

## Radius Templates 2

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## Introduction

The following radius templates may be printed out onto or otherwise transferred to paper, cardboard or some other material and cut out. They can then be used to test whether surfaces have the required camber. I believe the best way to cut them would be to use a cutting plotter or a CNC machine, however, I have not tested this myself yet. PLEASE NOTE that there is NO WARRANTY for these drawings (see license information above)!

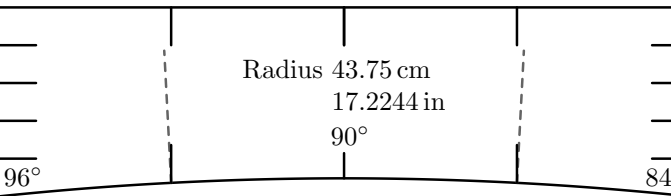
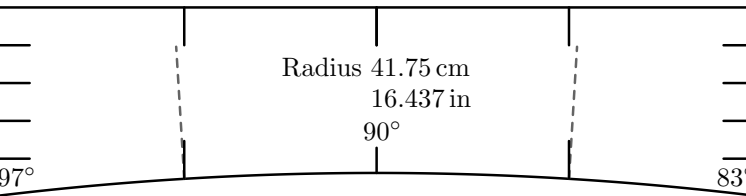
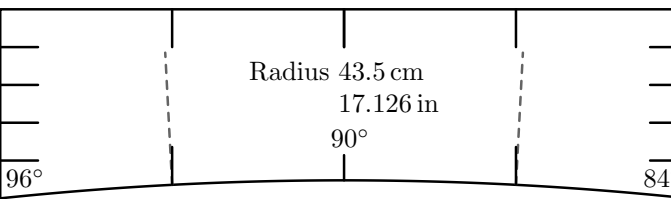
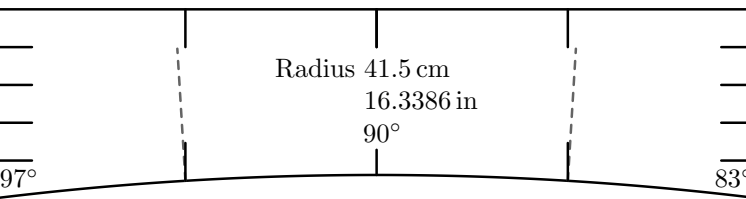
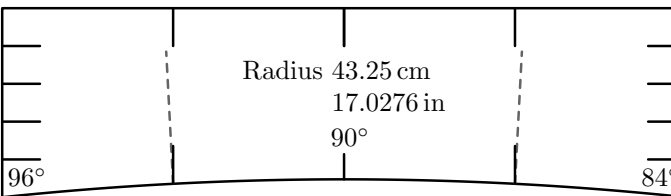
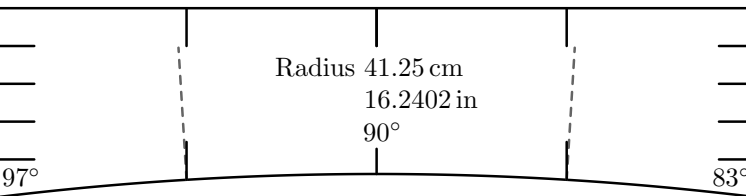
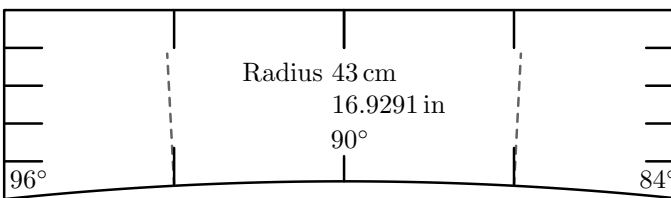
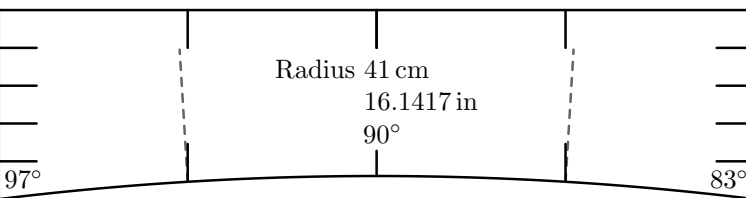
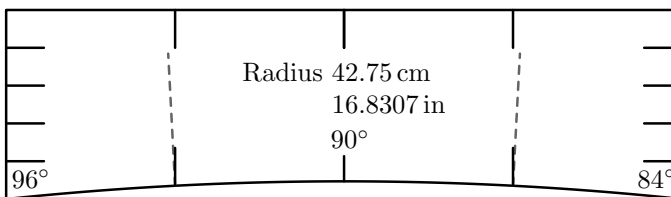
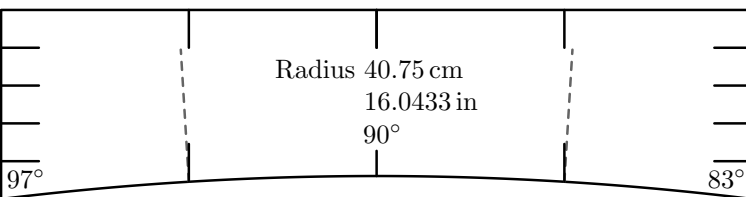
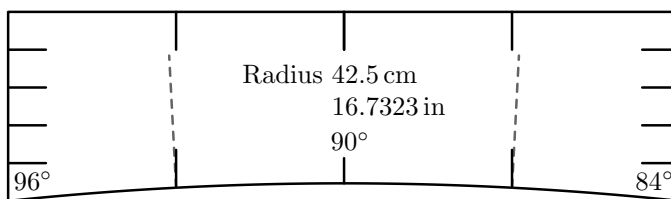
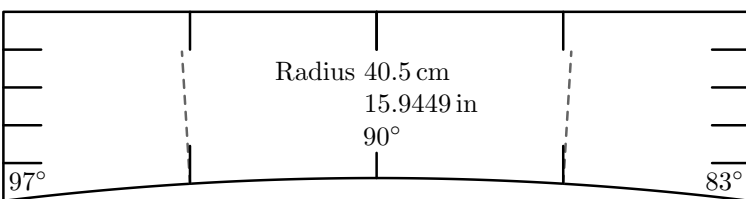
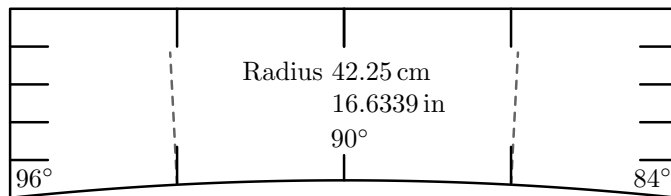
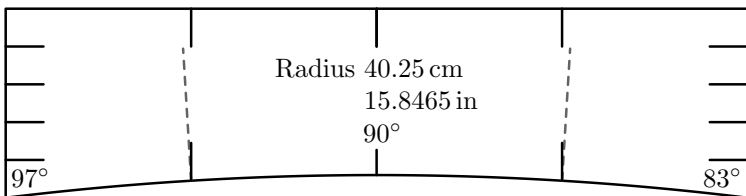
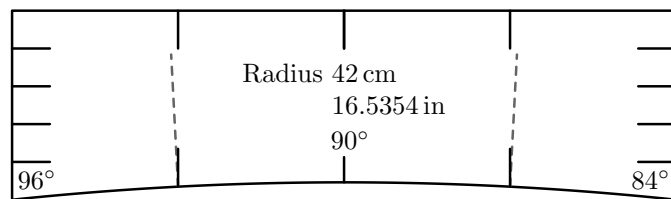
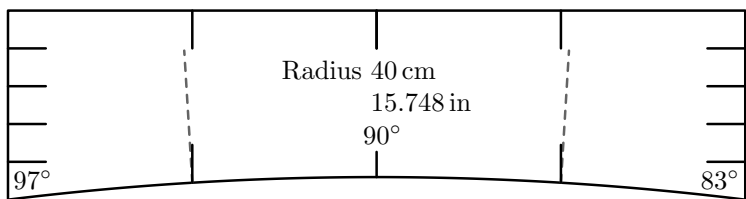
As the radius  $r_n$  of circles  $c_n$  increases, the circumference of  $c_n$  increases proportionately. In order to keep the radius templates more or less the same size, the magnitude of the angle  $\phi_n$  subtended by the arc must decrease as  $r_n$  increases. This is done in the “Section 1” sections in the chapters “Concave” and “Convex”.

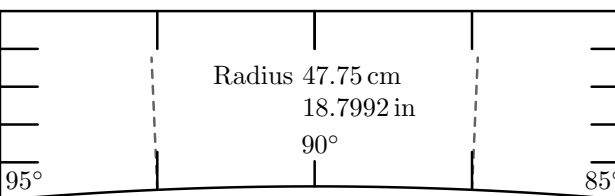
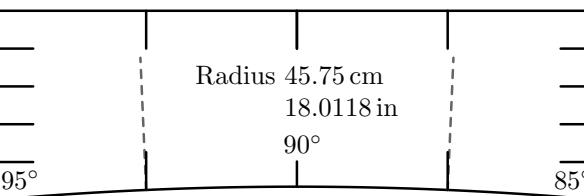
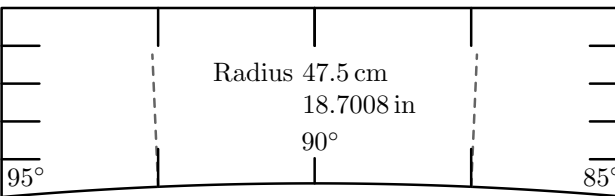
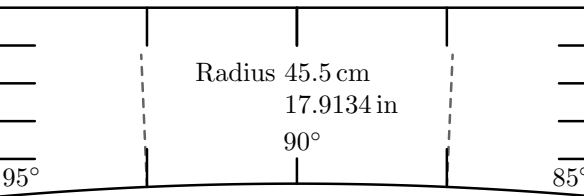
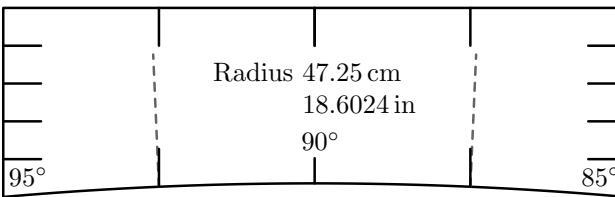
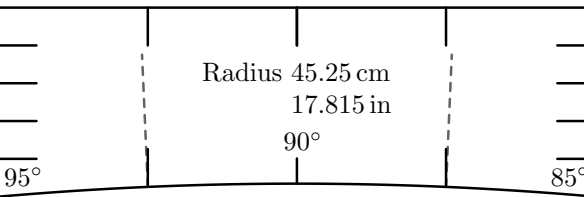
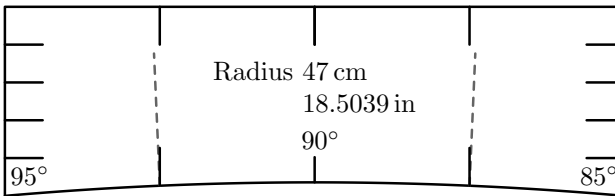
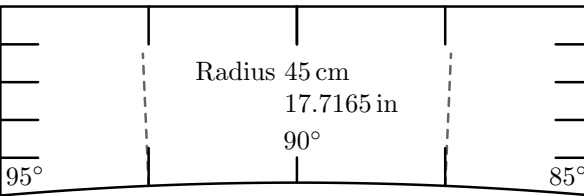
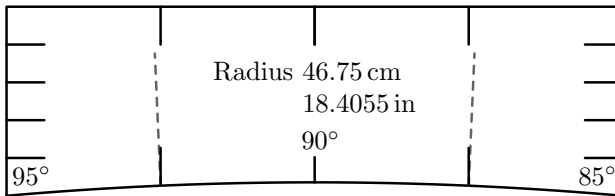
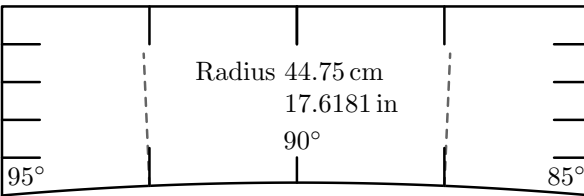
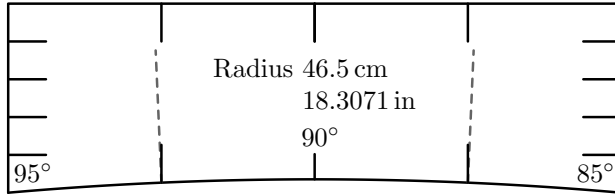
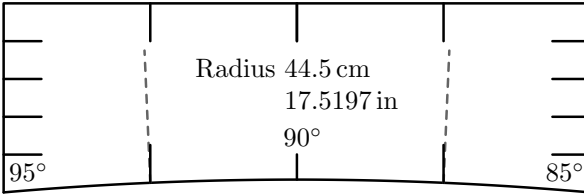
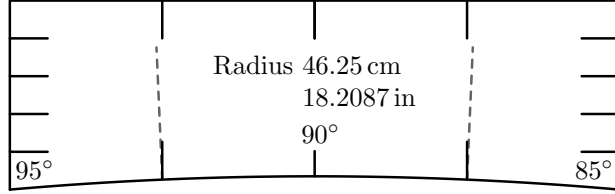
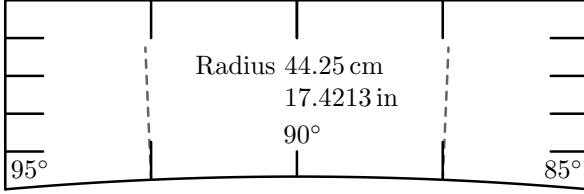
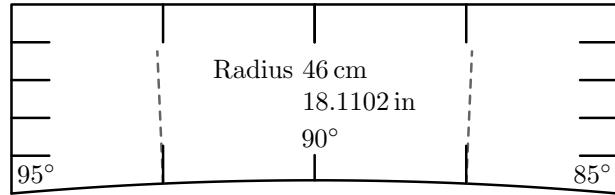
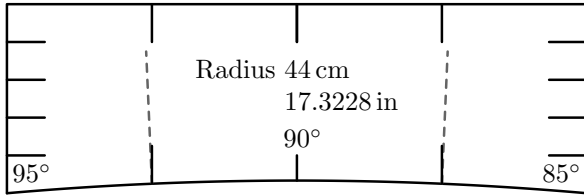
In the “Section 2” sections, constant  $\phi = 10^\circ$  is used, in order to show the increasing arc length as  $r_n$  increases.

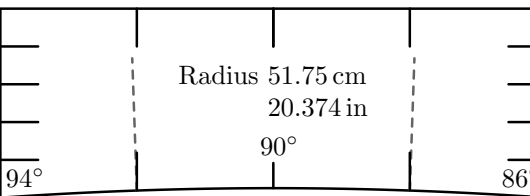
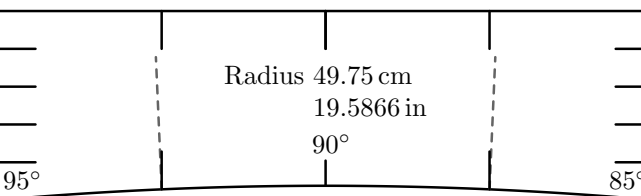
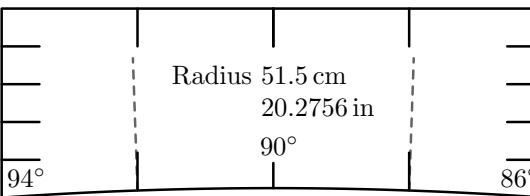
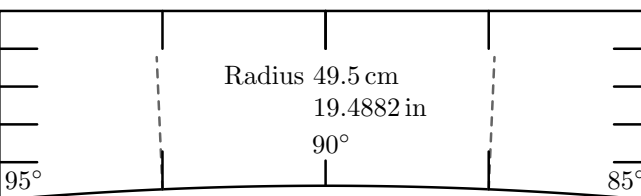
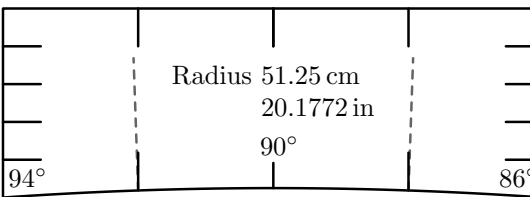
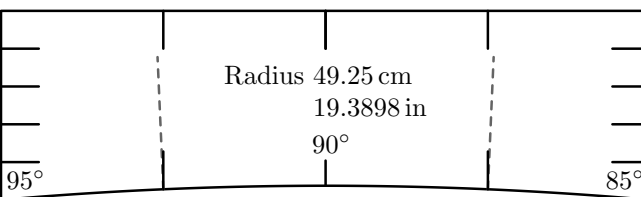
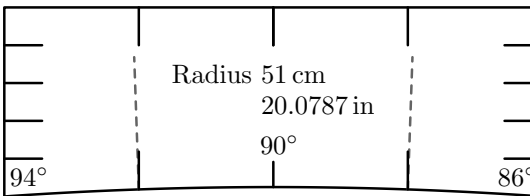
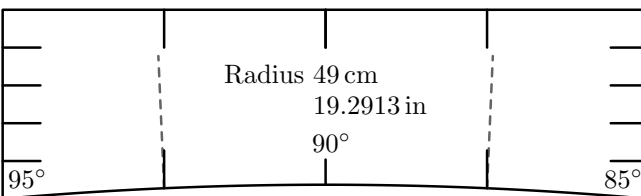
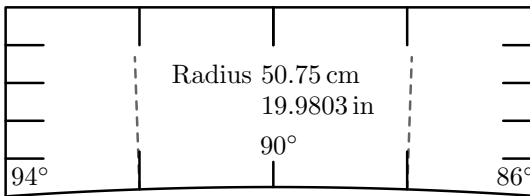
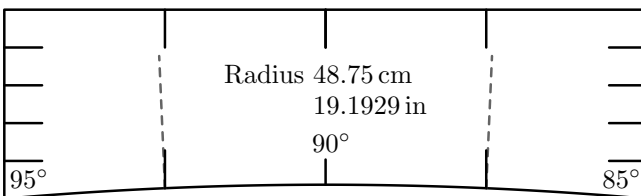
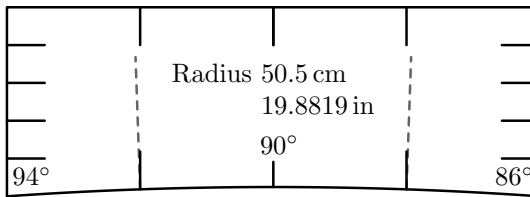
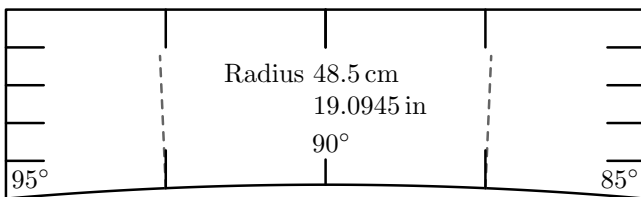
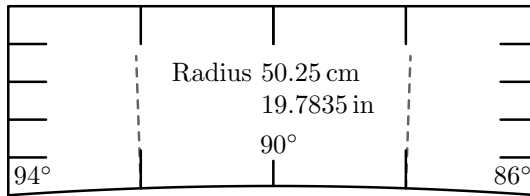
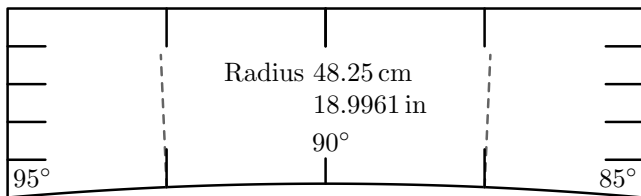
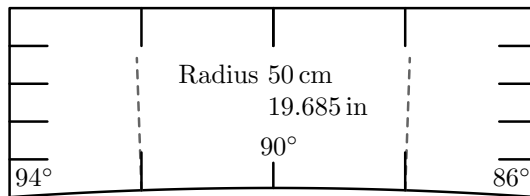
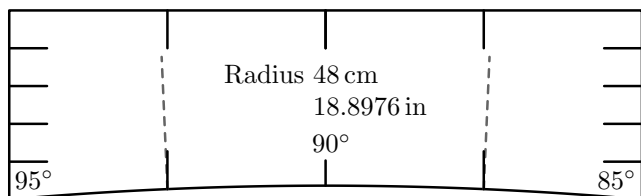
The ending angle  $\phi_e$  is dependent on the starting angle  $\phi_s$  such that  $\phi_e = 180^\circ - \phi_s$ . The starting angle is arbitrary: due to the symmetry properties of the circle, any two arcs of the circle subtended by the same angle are congruent. In the following figures,  $90^\circ$  is taken to be the center of the arc. However, with  $0^\circ$ ,  $30.75^\circ$  or any other value, the results would have been identical.

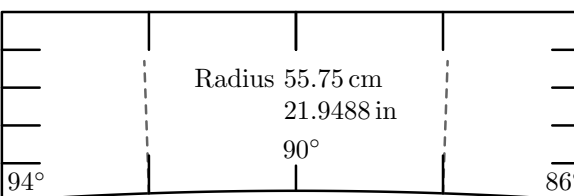
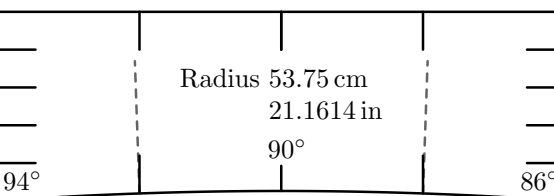
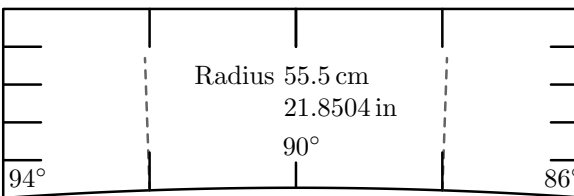
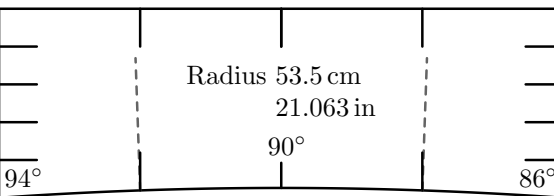
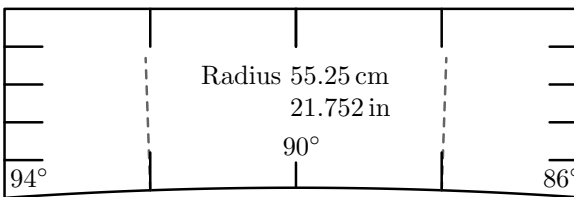
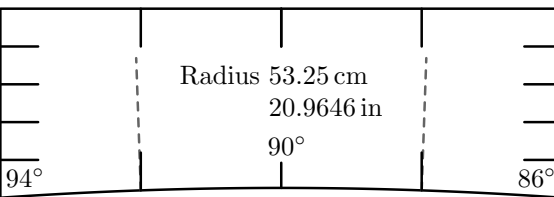
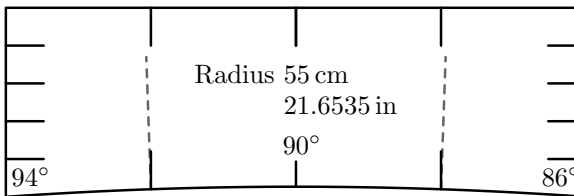
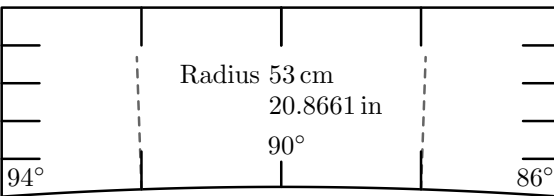
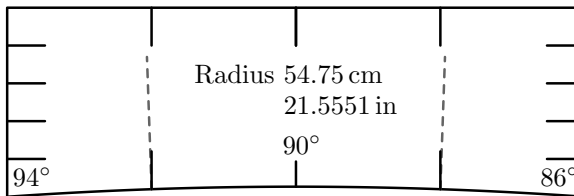
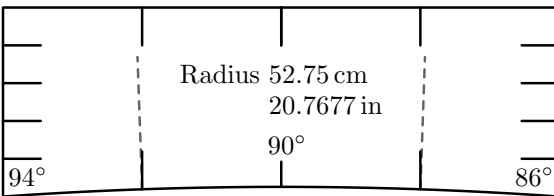
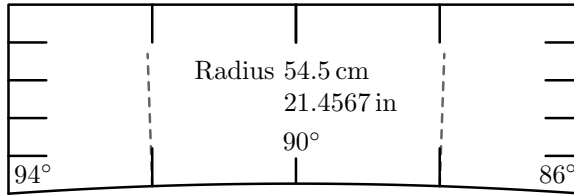
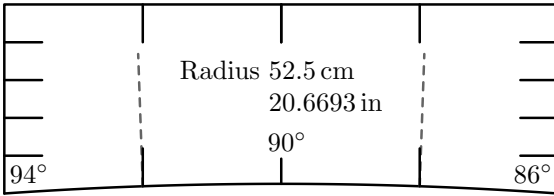
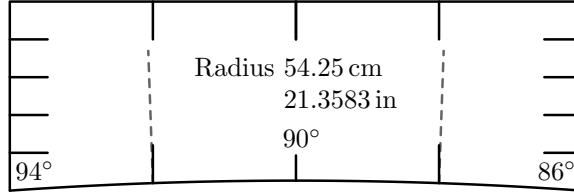
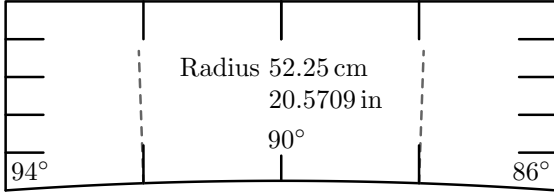
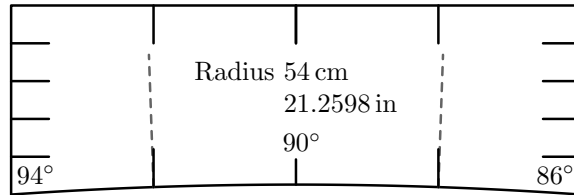
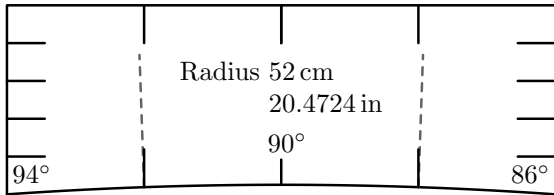
### Concave

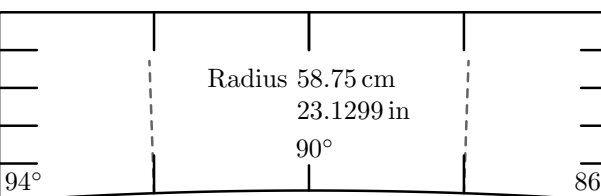
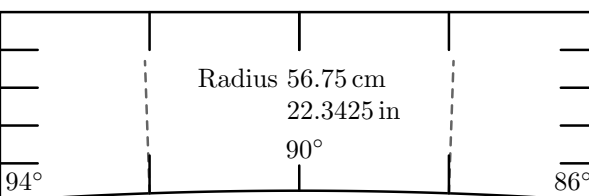
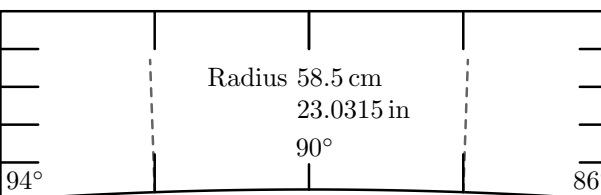
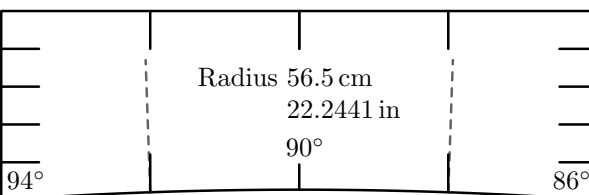
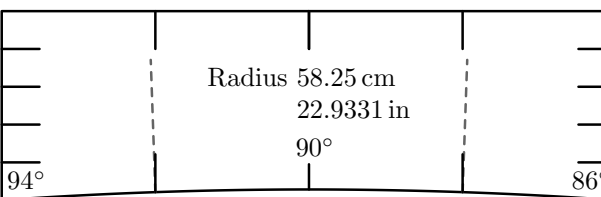
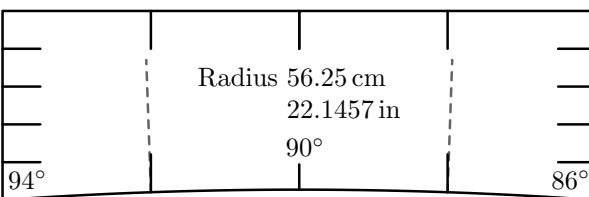
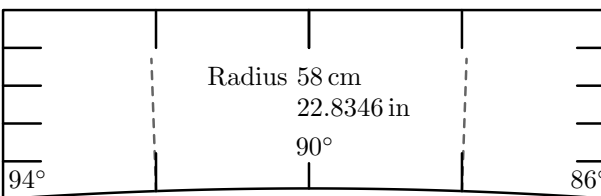
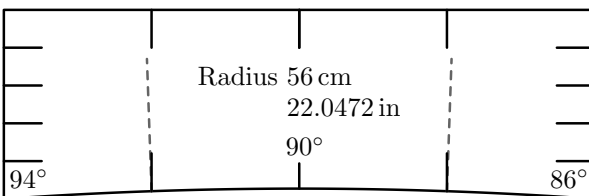
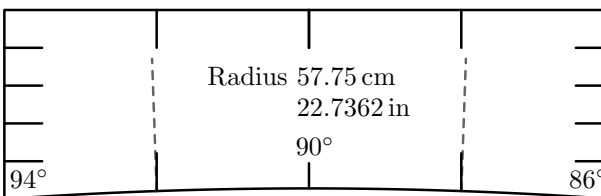
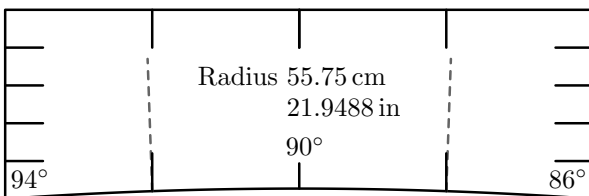
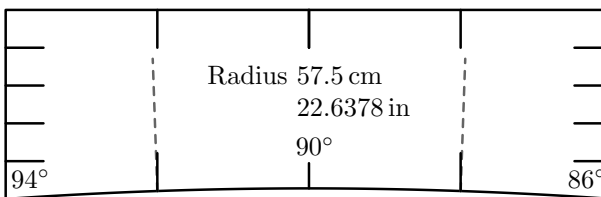
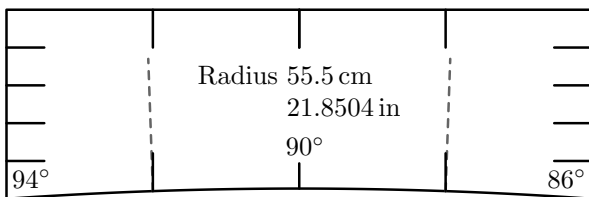
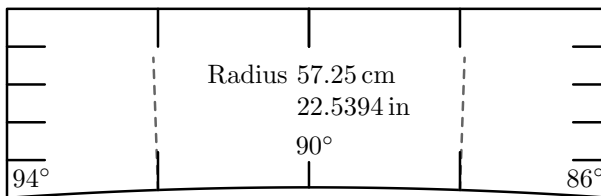
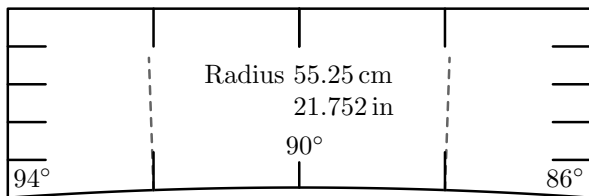
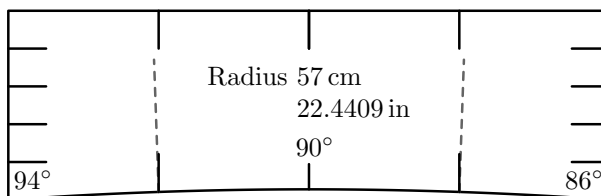
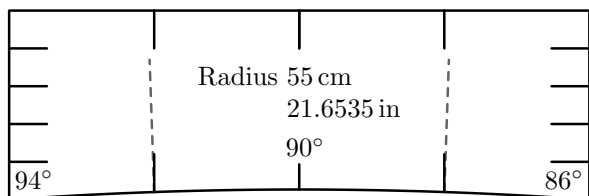
### Section 1

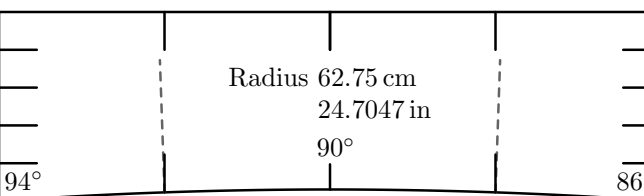
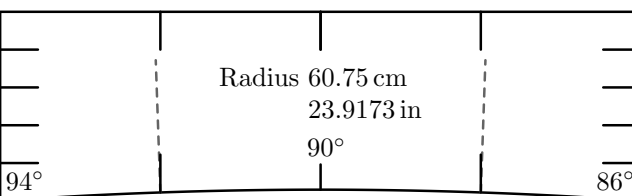
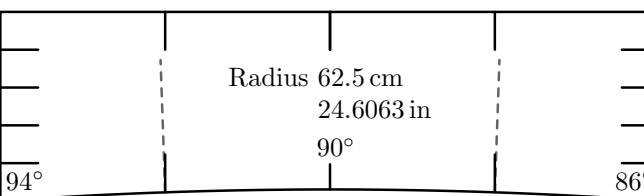
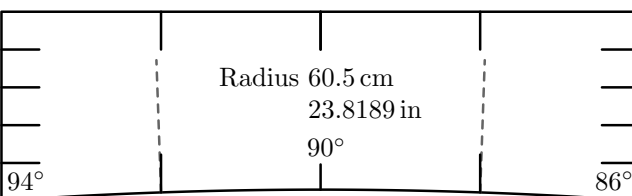
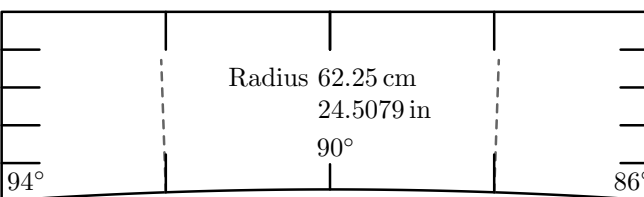
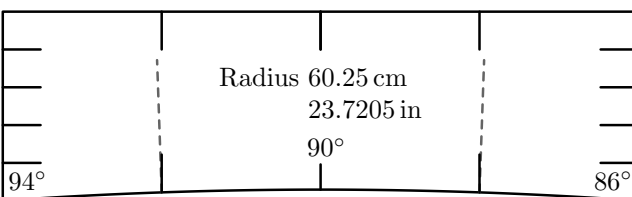
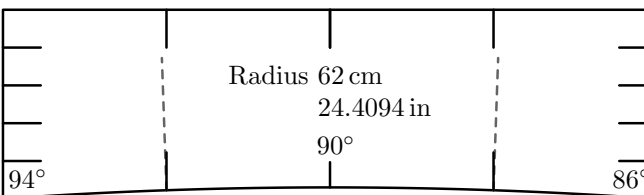
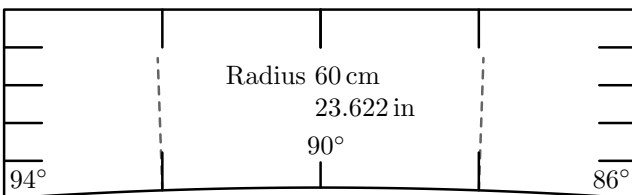
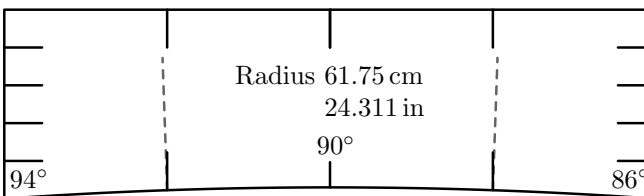
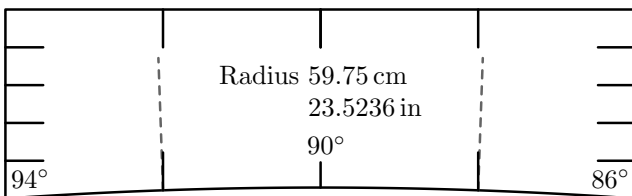
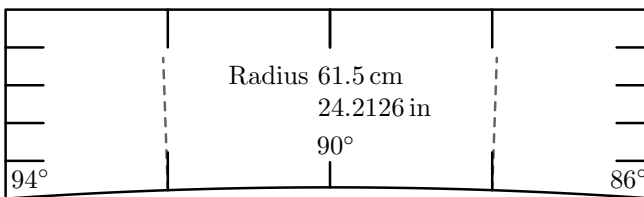
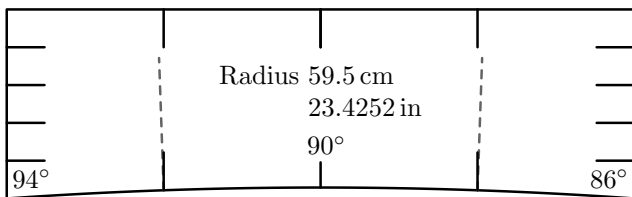
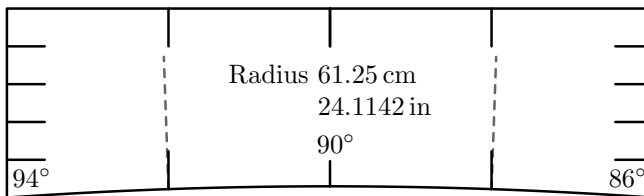
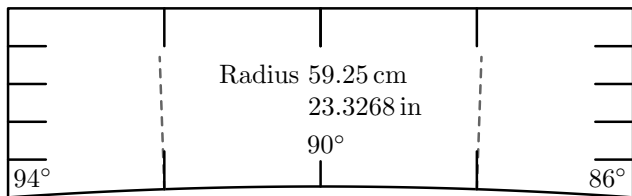
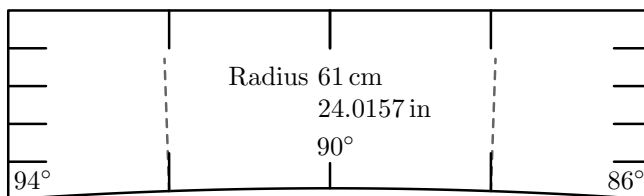
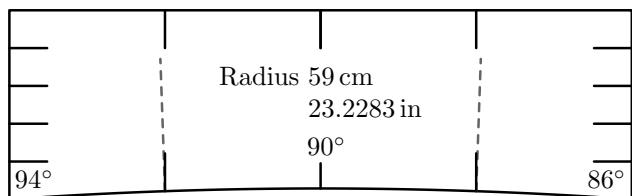


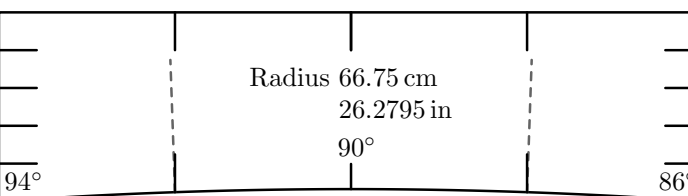
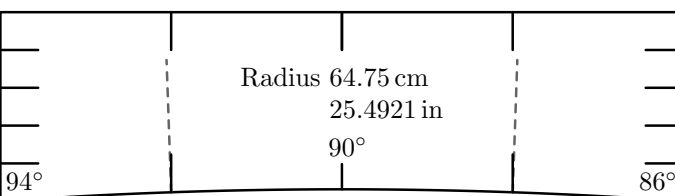
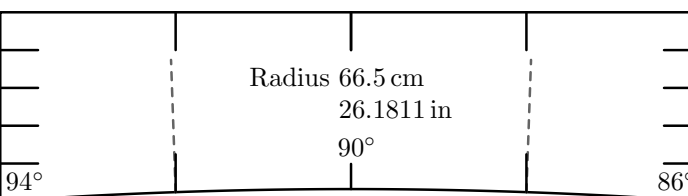
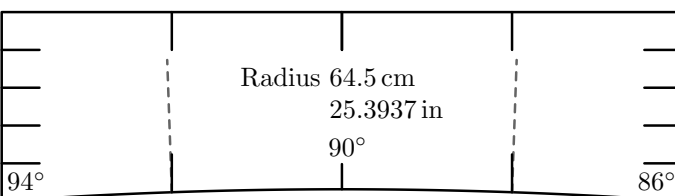
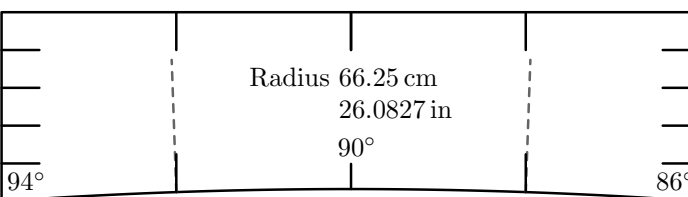
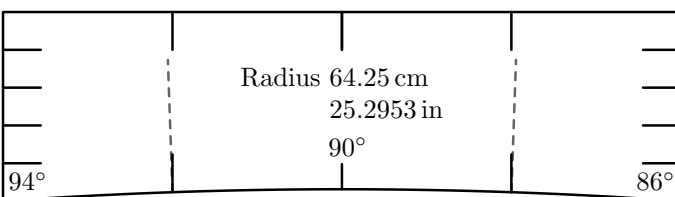
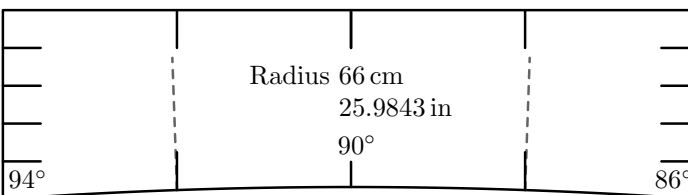
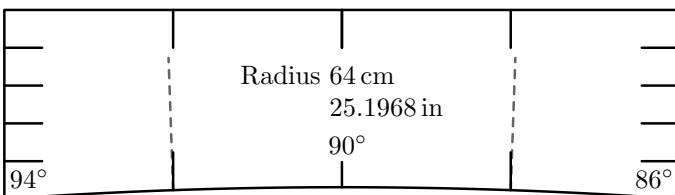
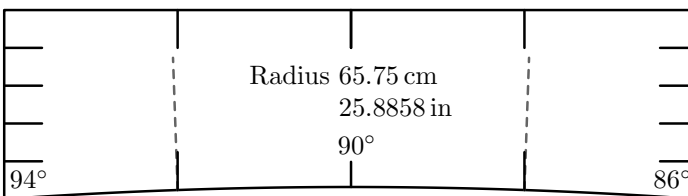
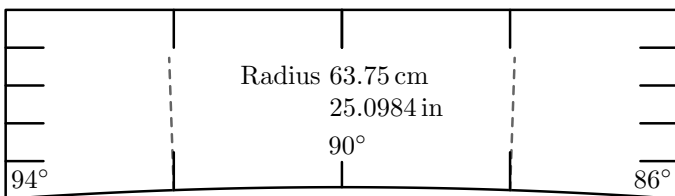
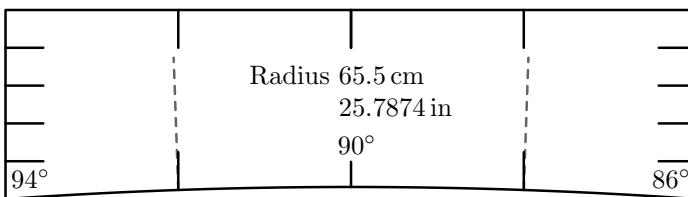
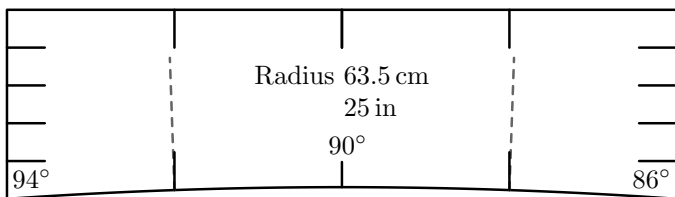
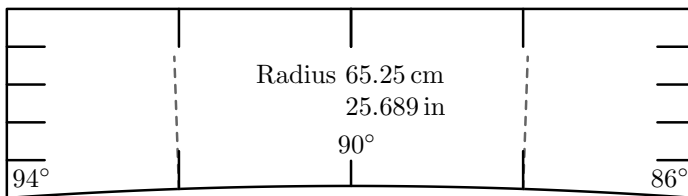
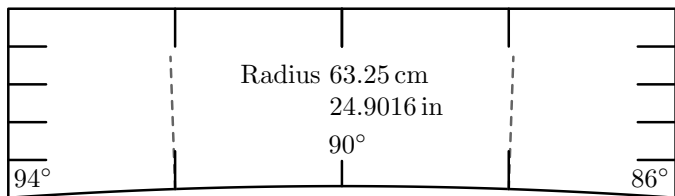
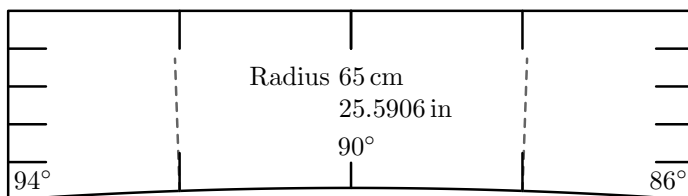
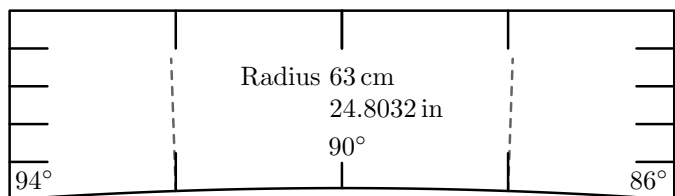




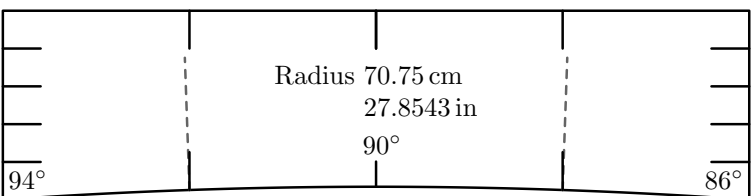
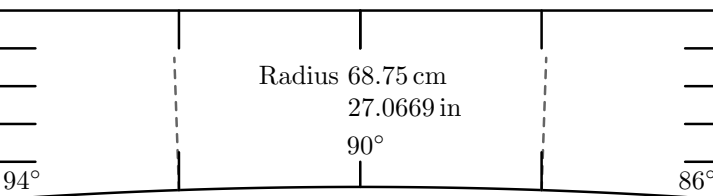
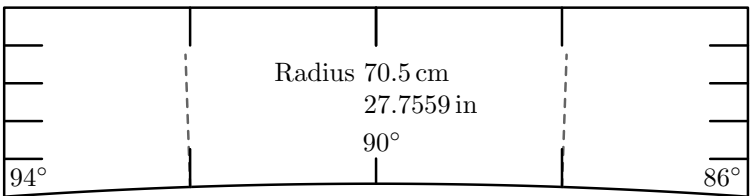
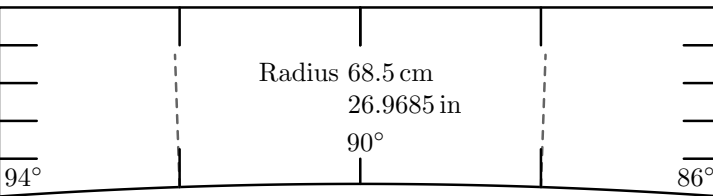
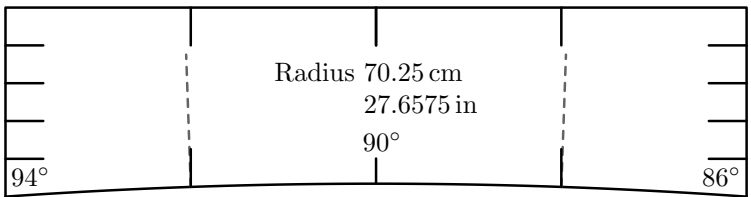
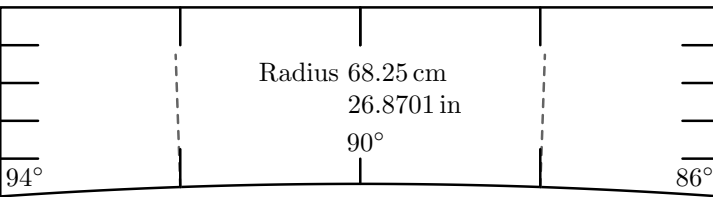
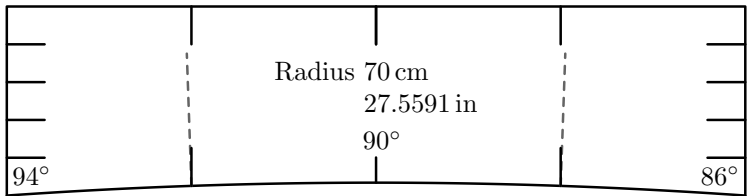
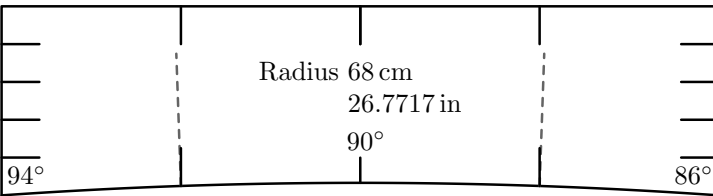
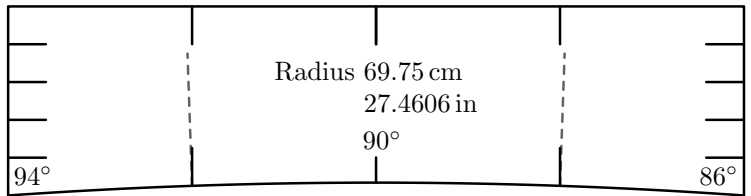
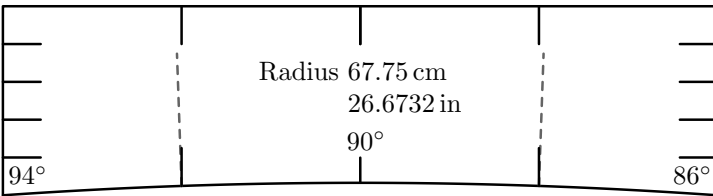
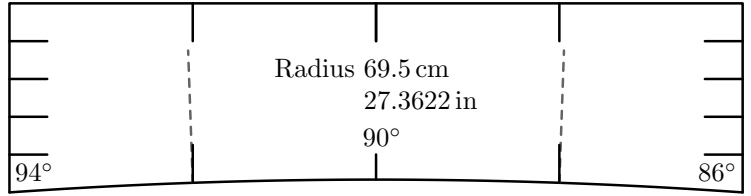
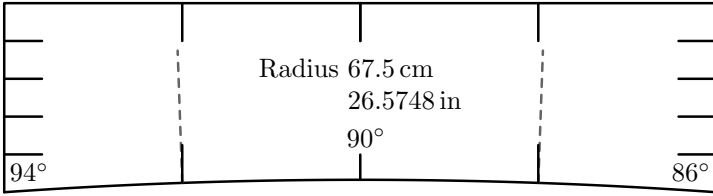
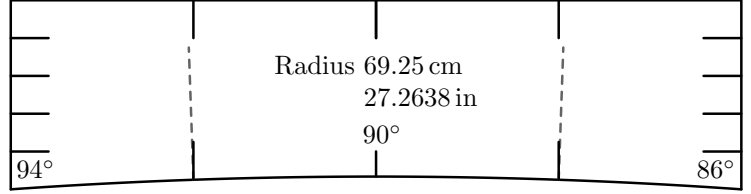
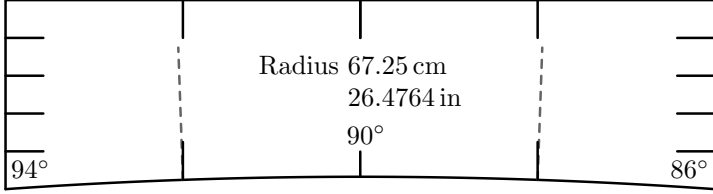
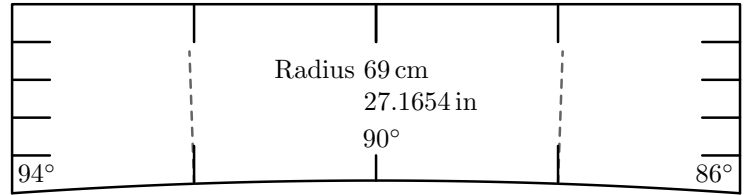
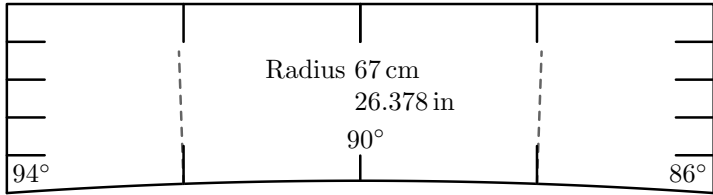


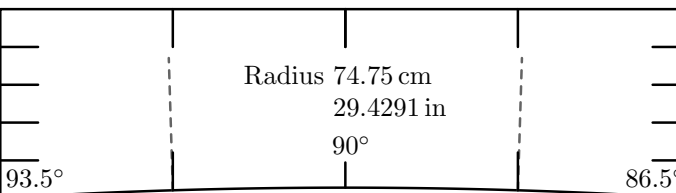
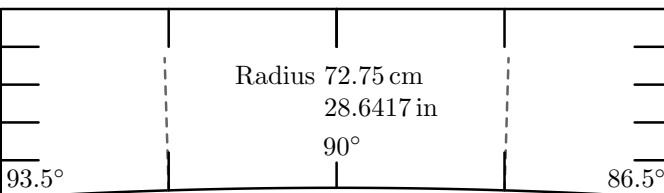
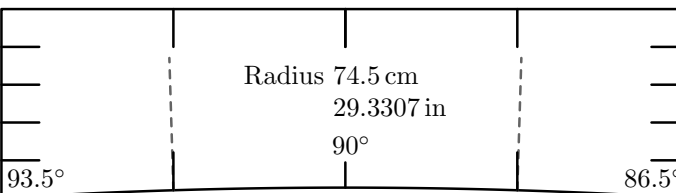
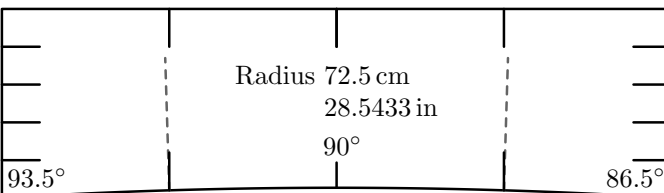
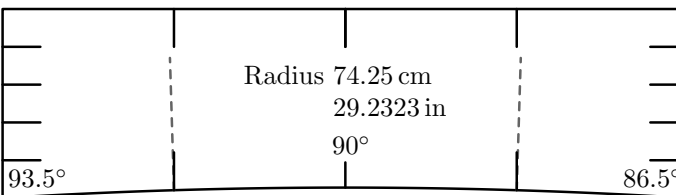
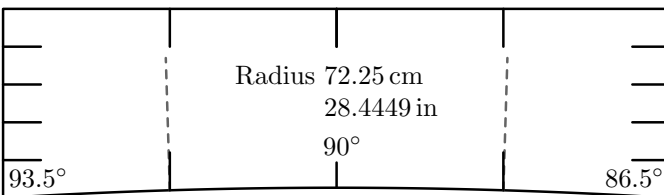
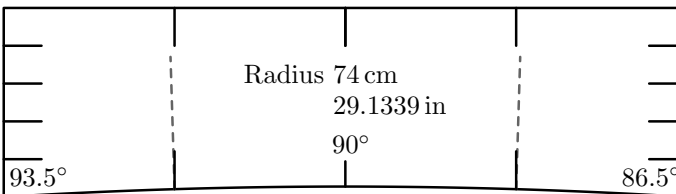
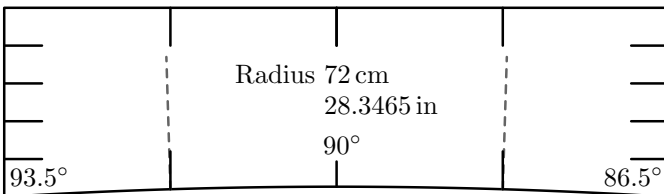
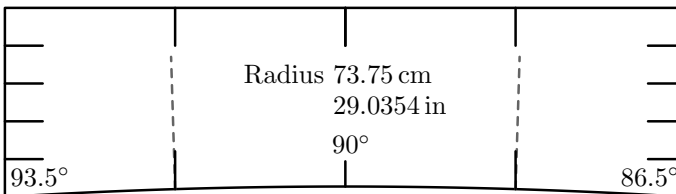
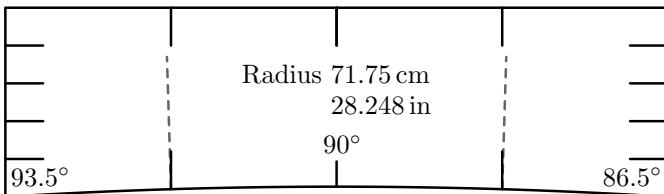
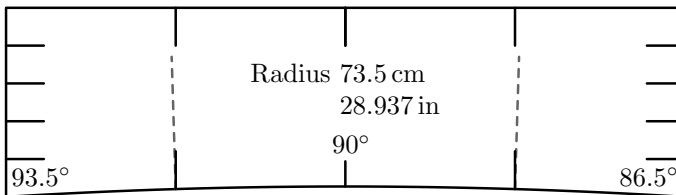
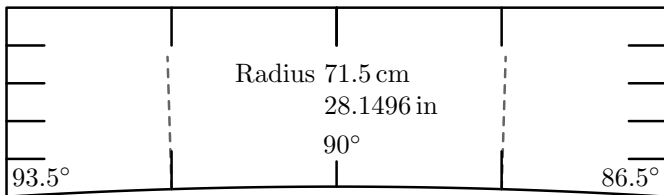
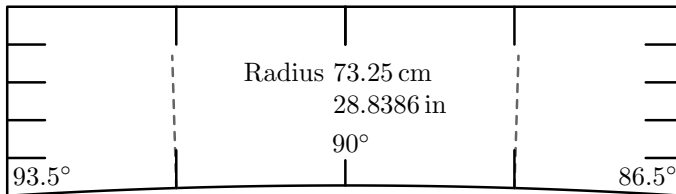
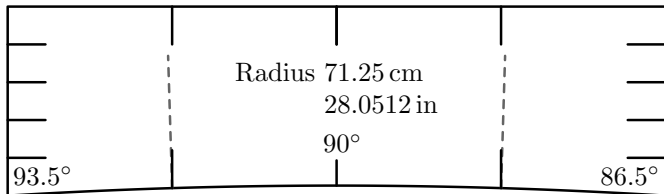
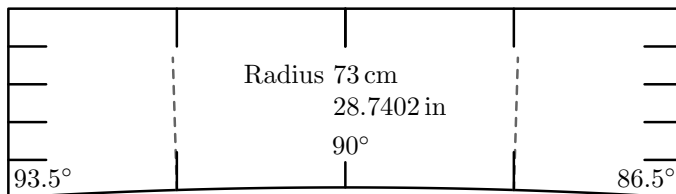
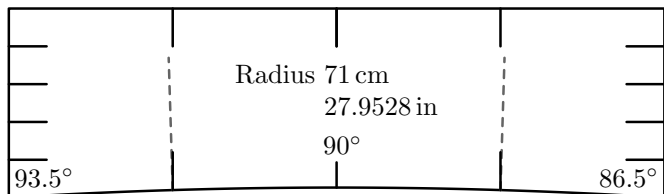


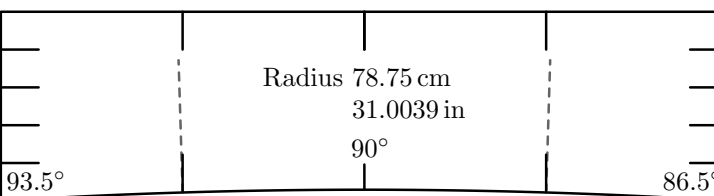
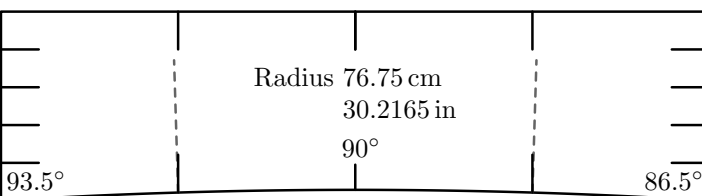
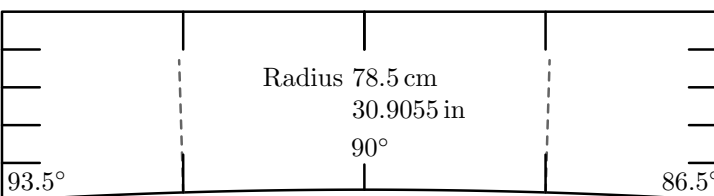
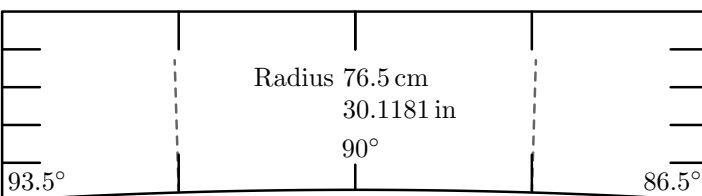
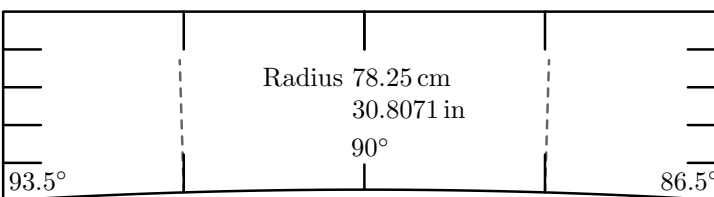
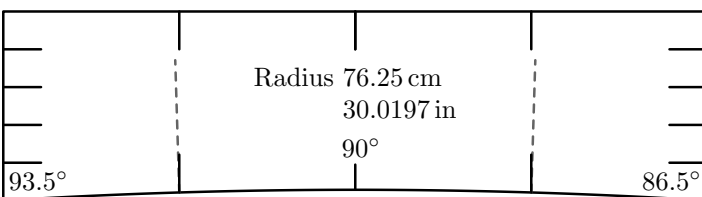
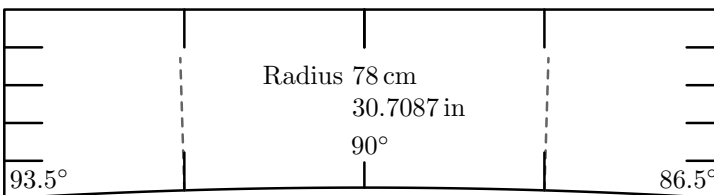
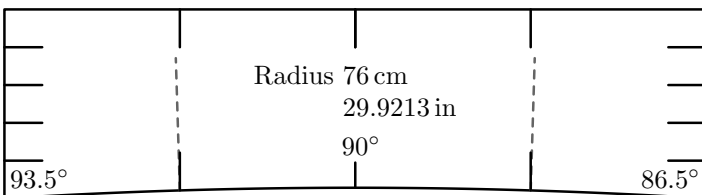
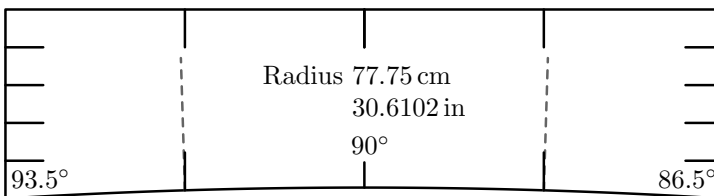
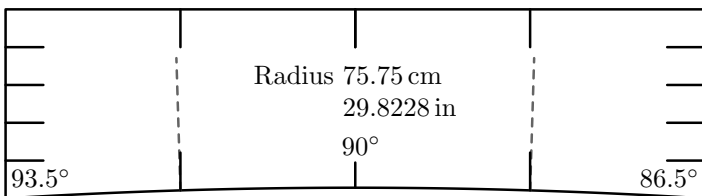
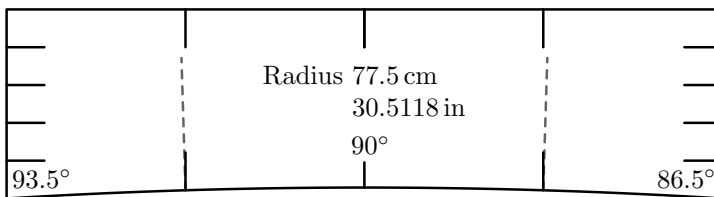
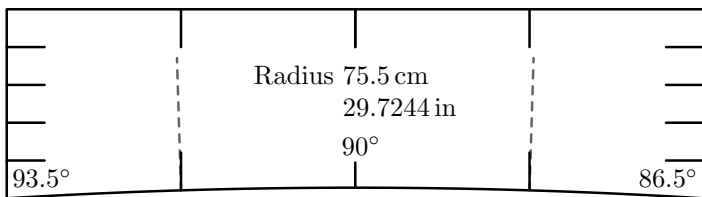
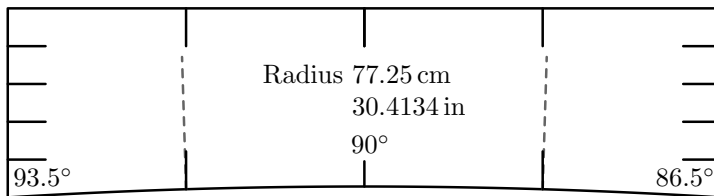
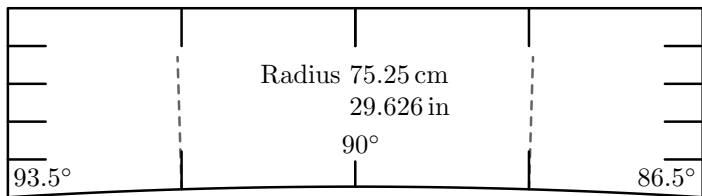
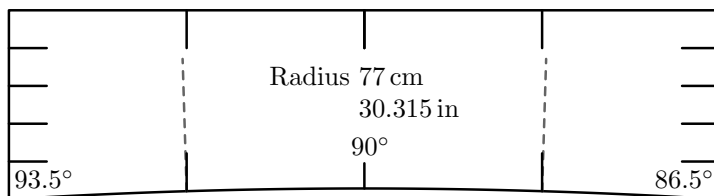
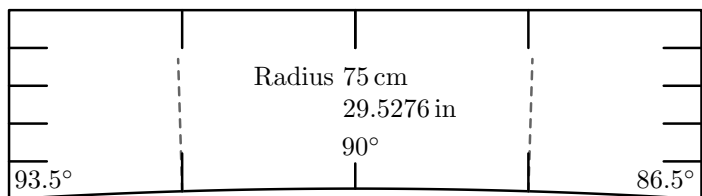


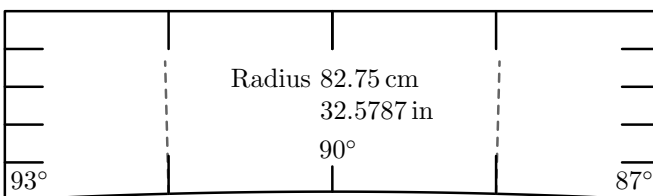
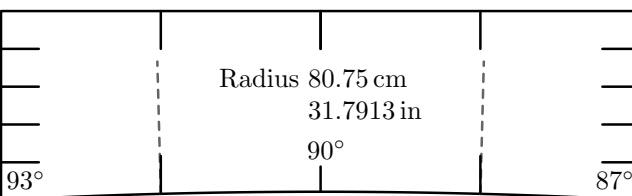
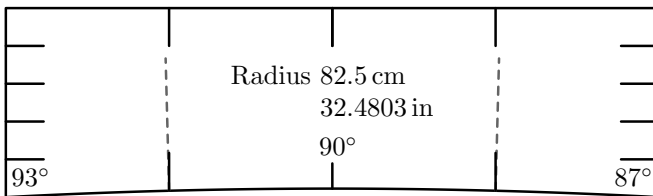
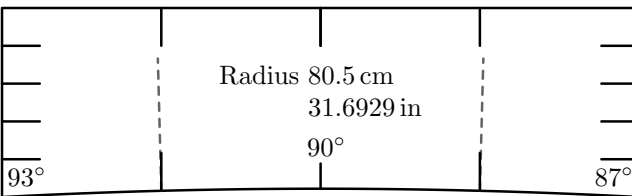
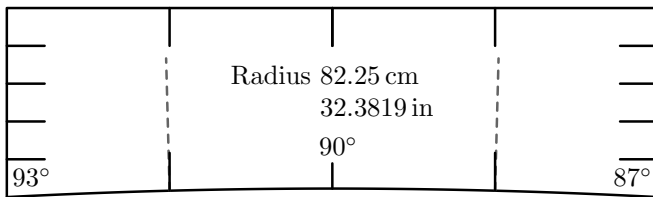
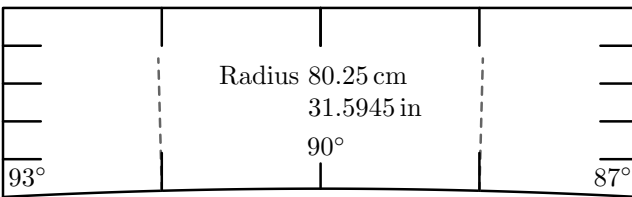
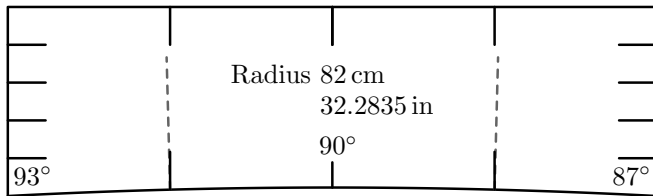
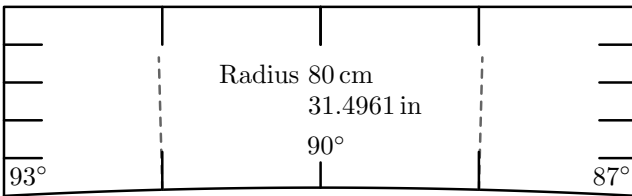
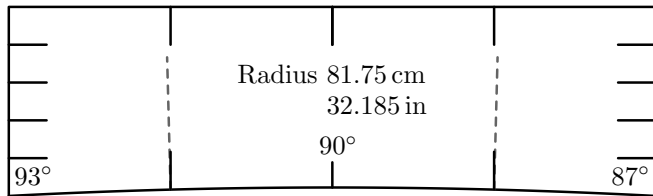
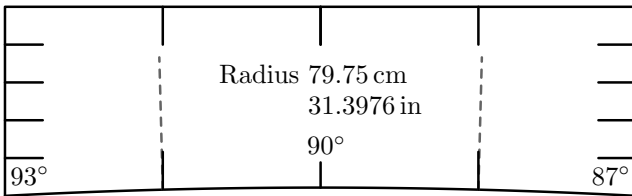
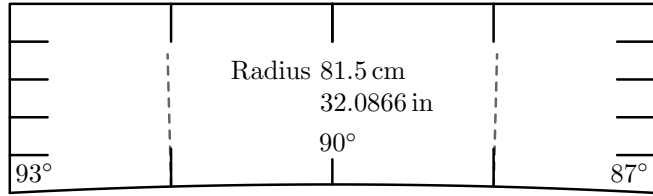
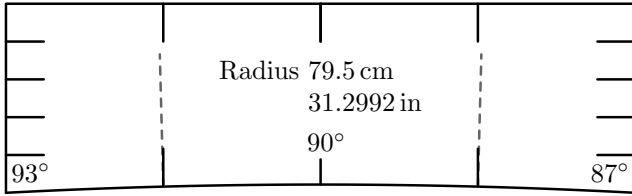
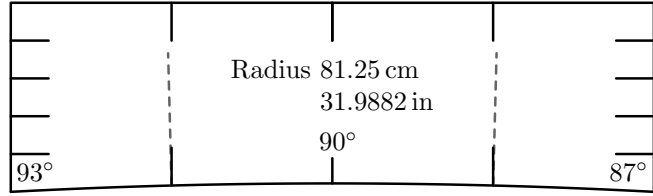
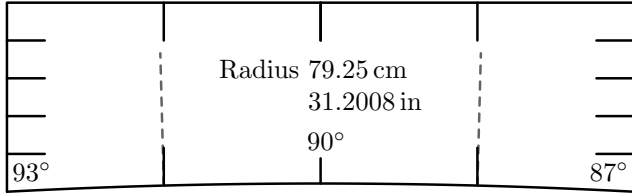
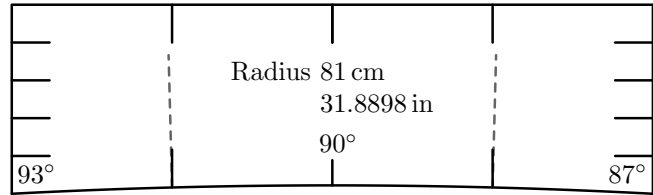
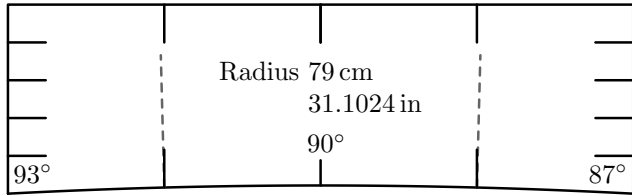


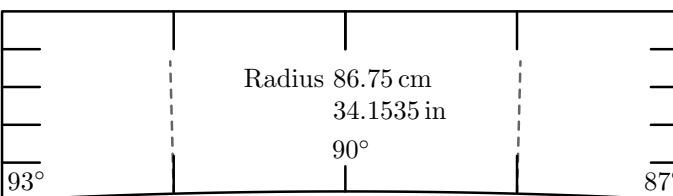
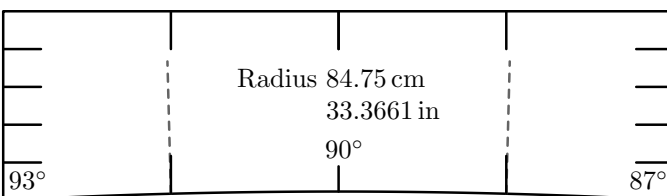
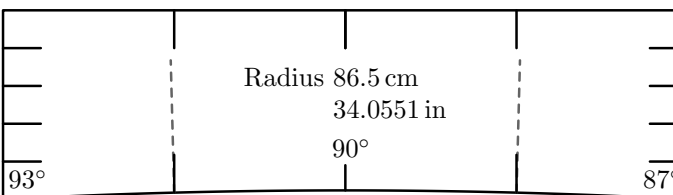
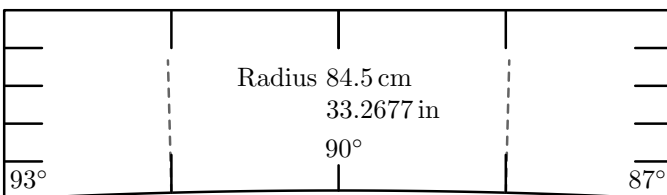
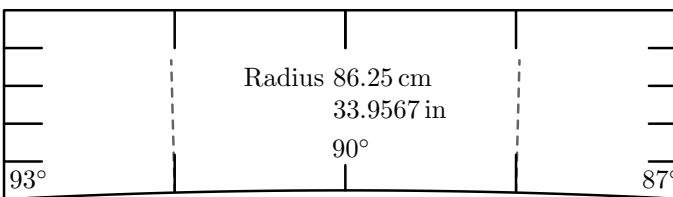
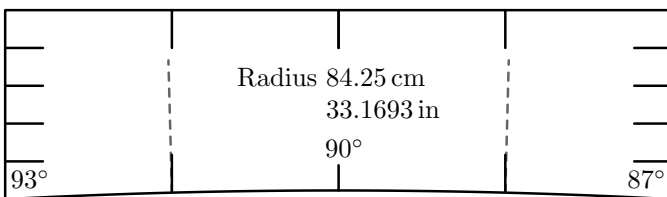
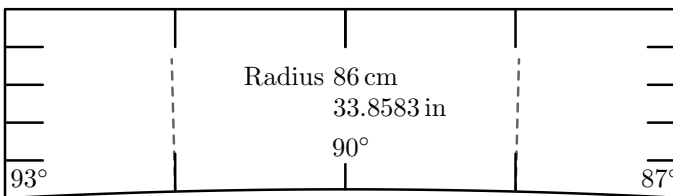
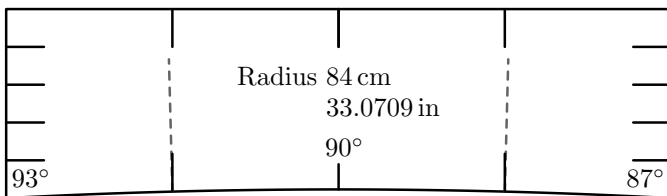
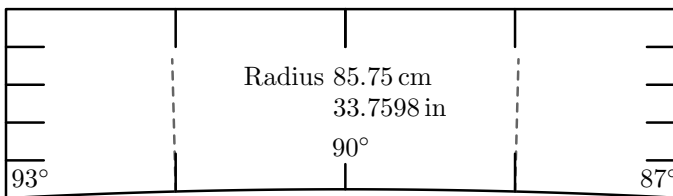
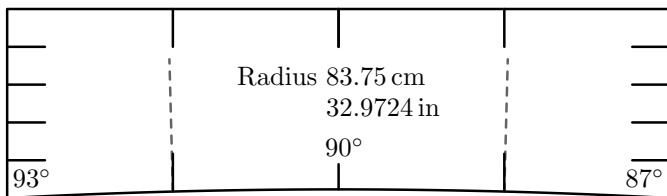
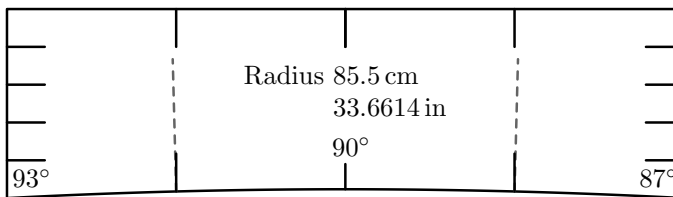
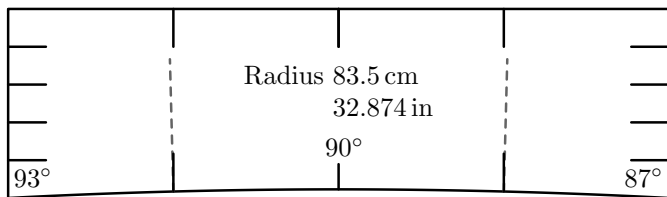
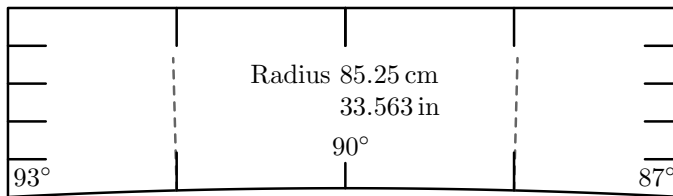
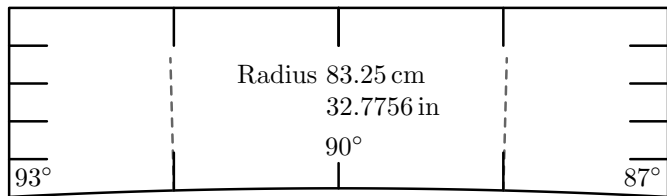
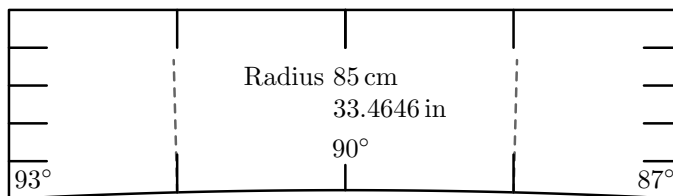
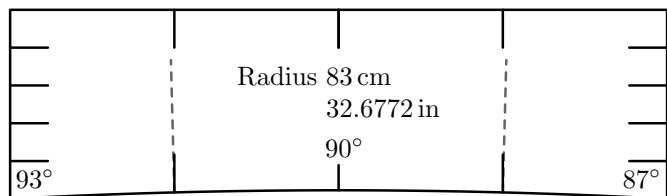


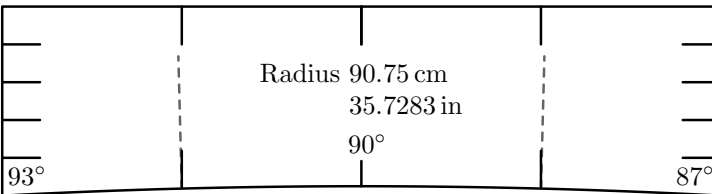
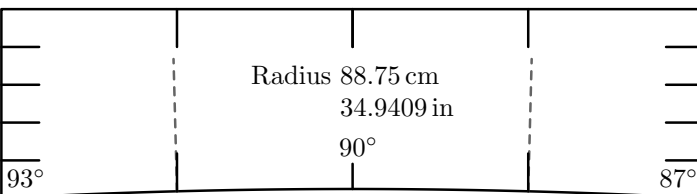
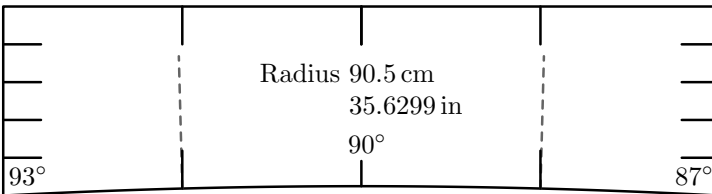
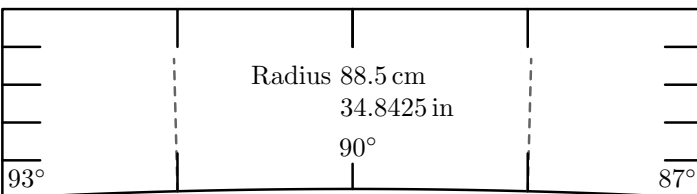
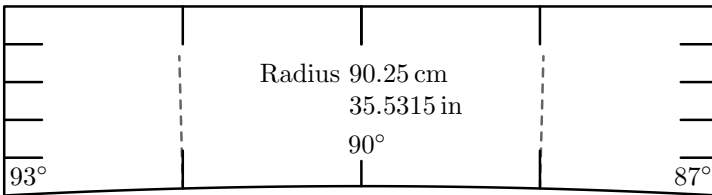
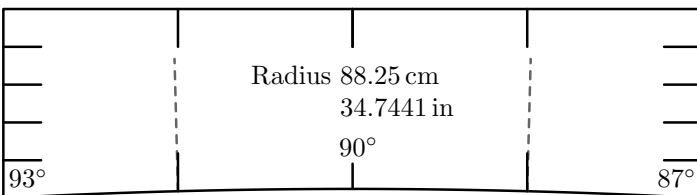
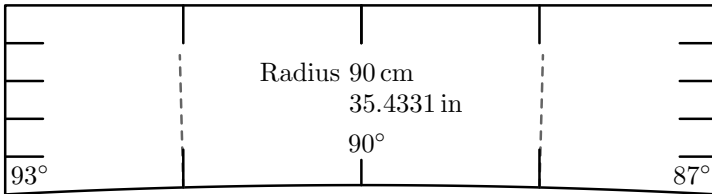
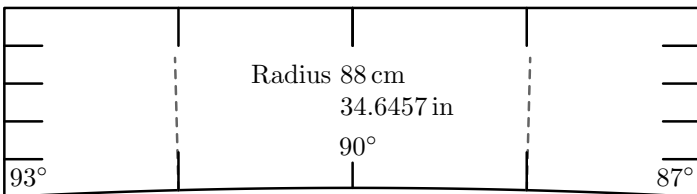
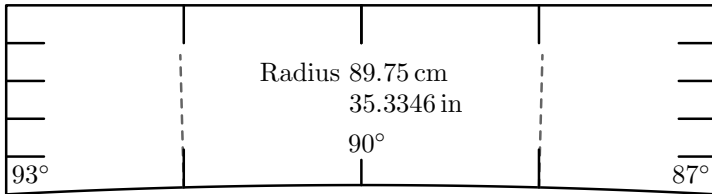
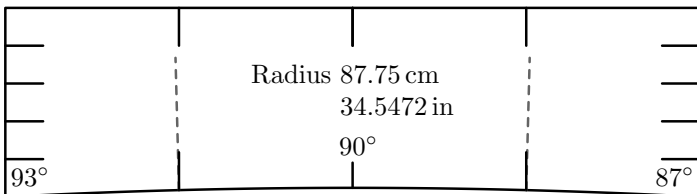
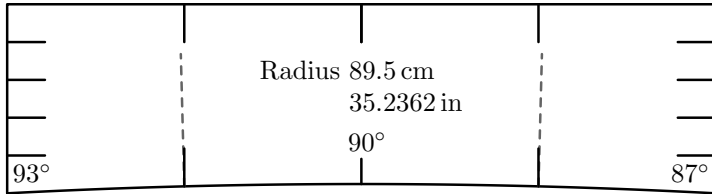
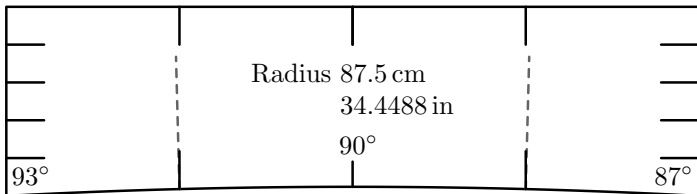
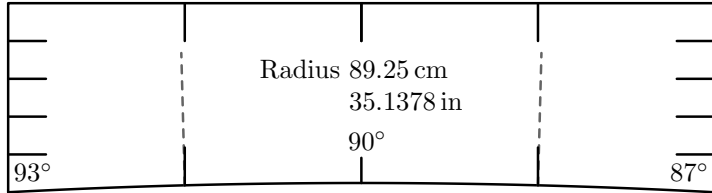
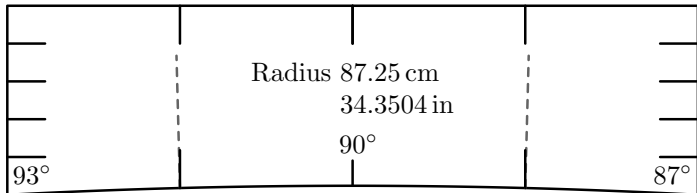
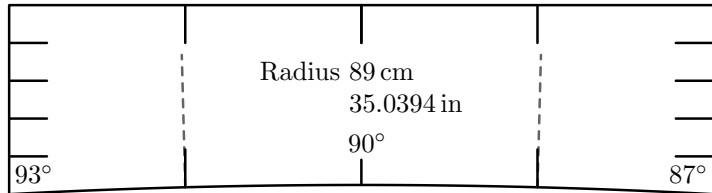
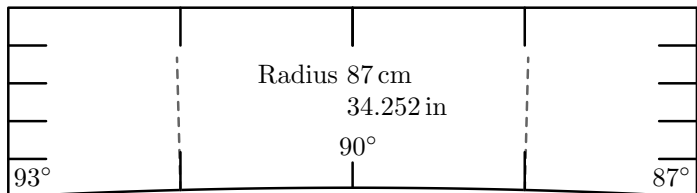


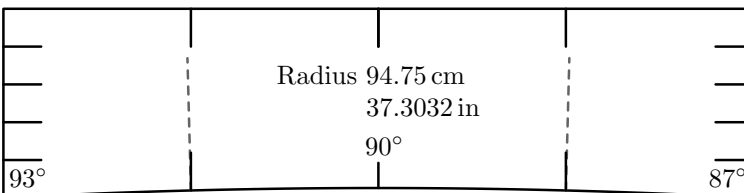
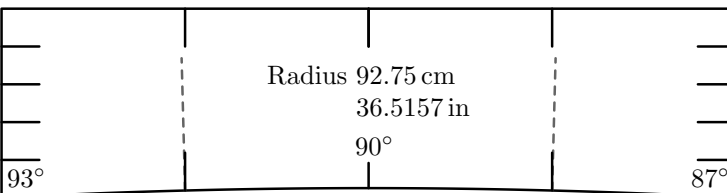
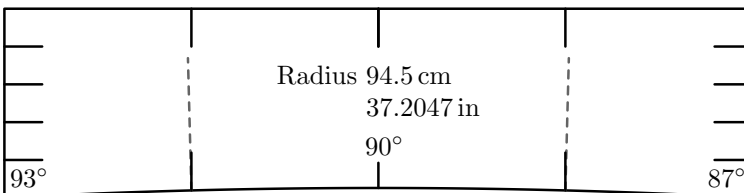
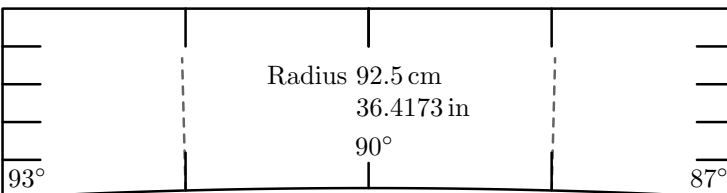
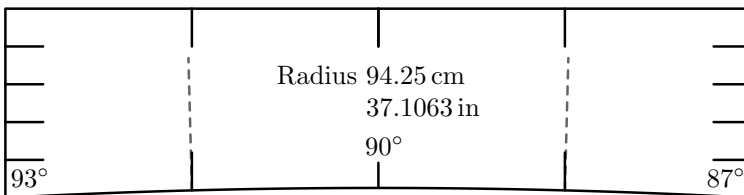
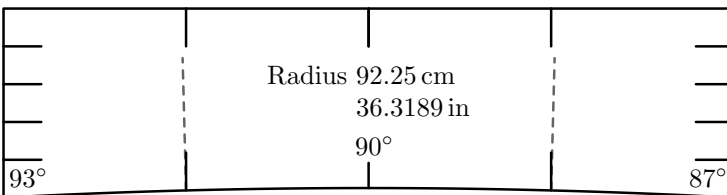
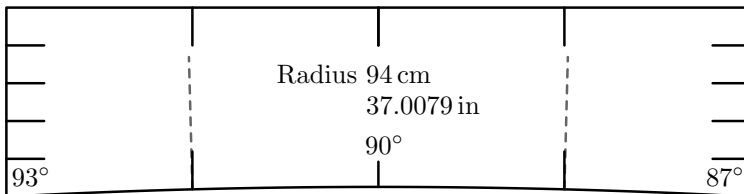
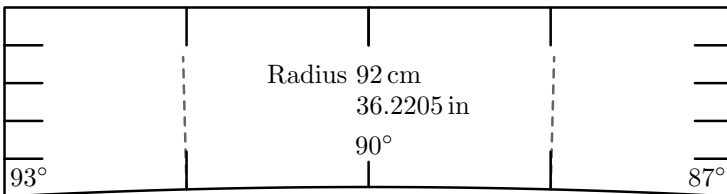
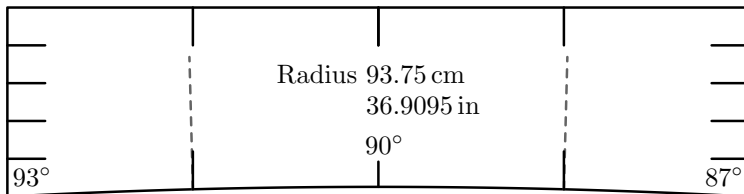
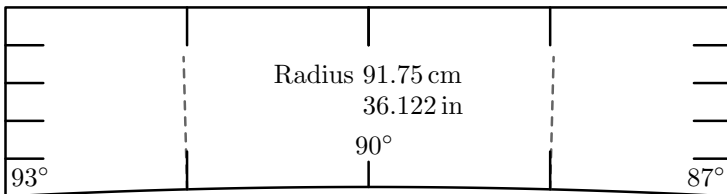
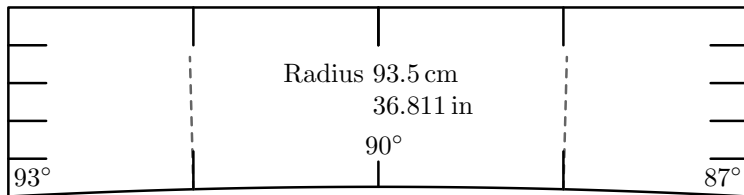
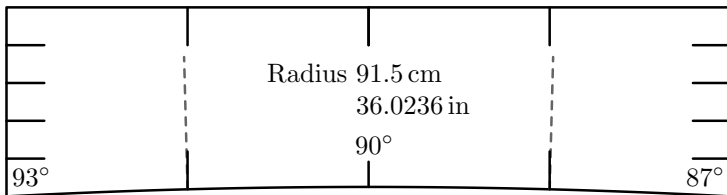
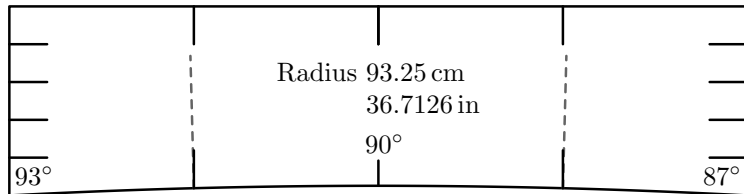
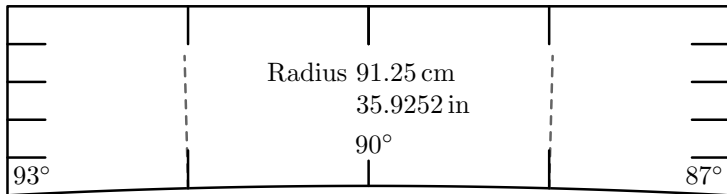
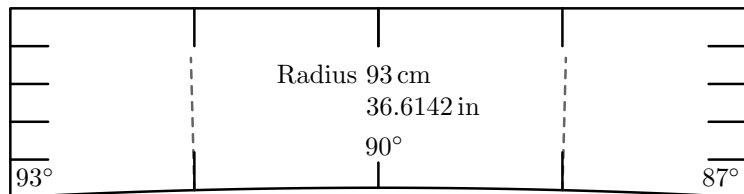
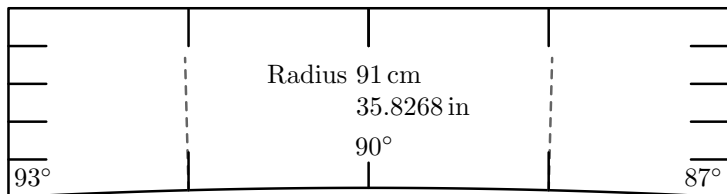


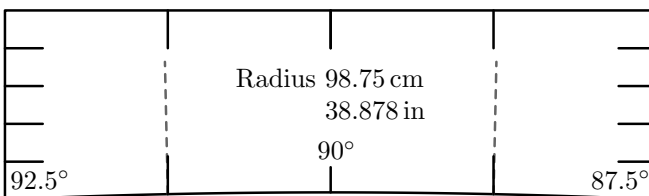
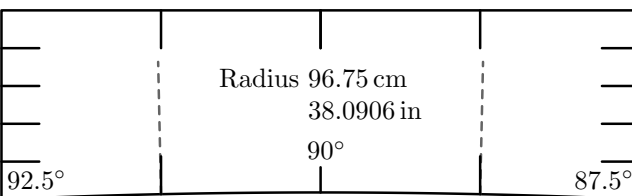
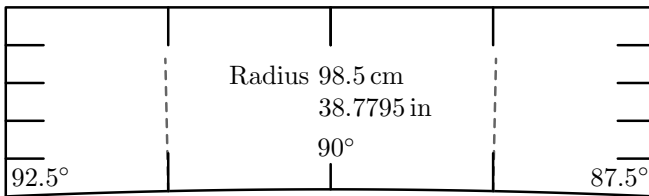
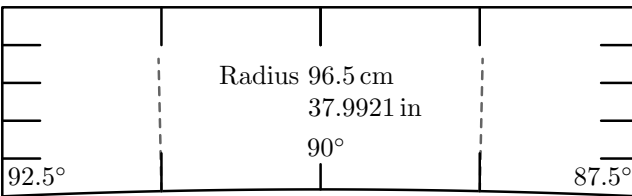
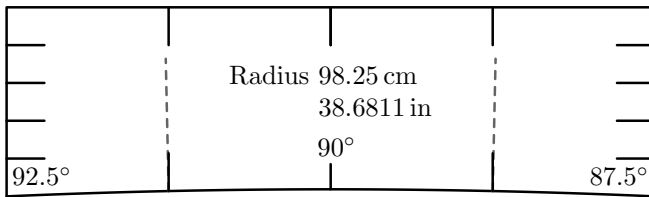
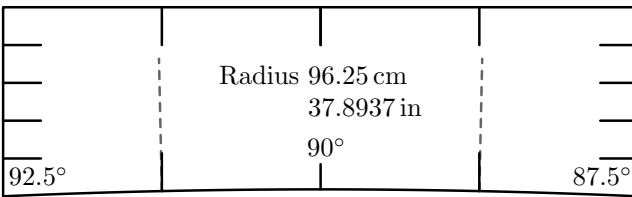
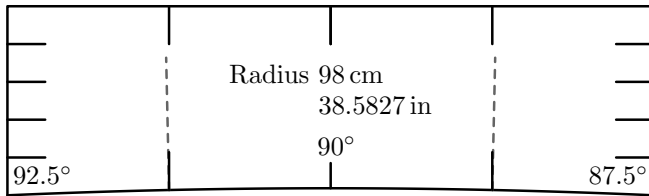
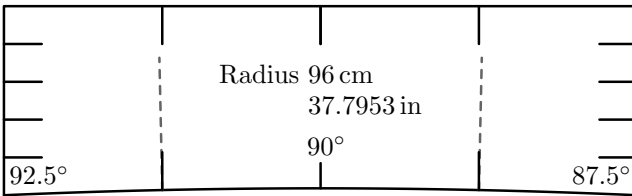
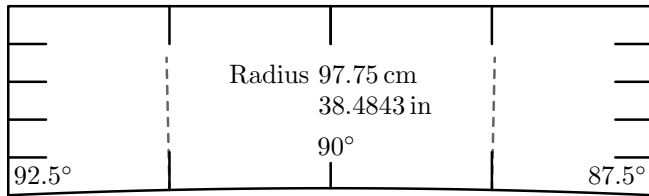
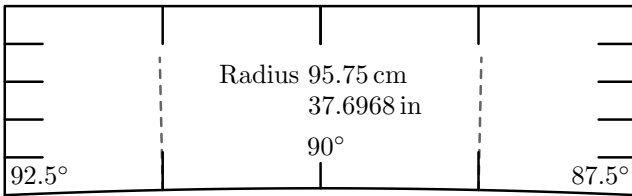
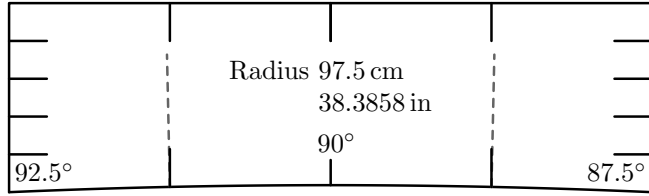
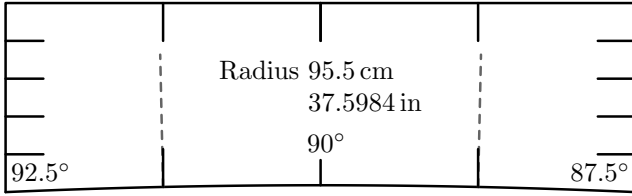
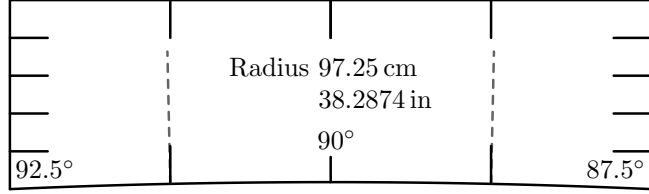
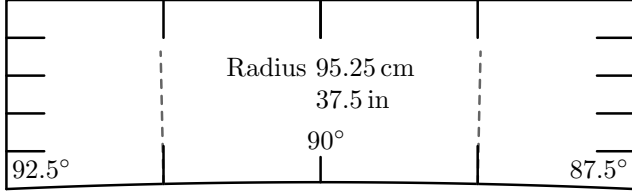
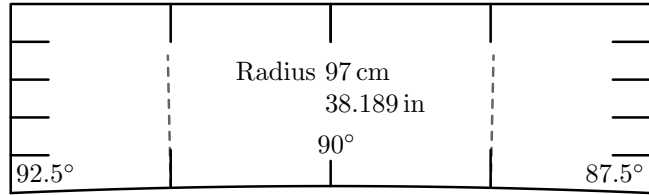
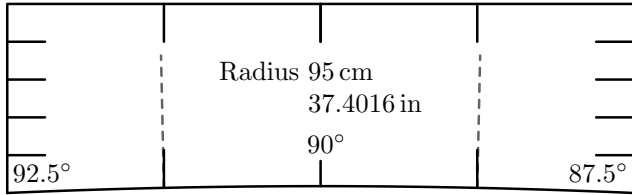




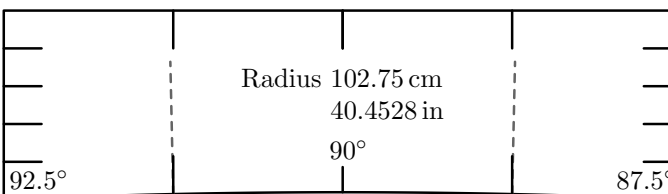
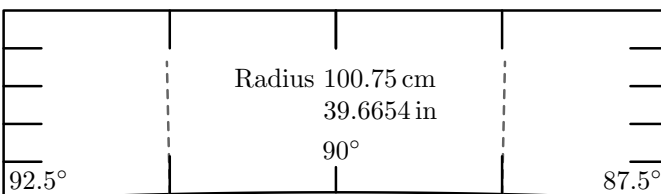
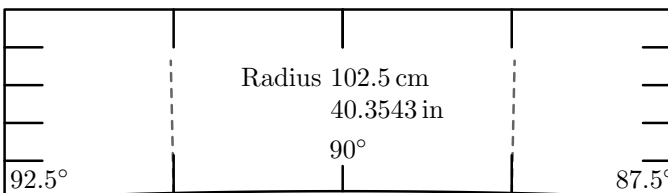
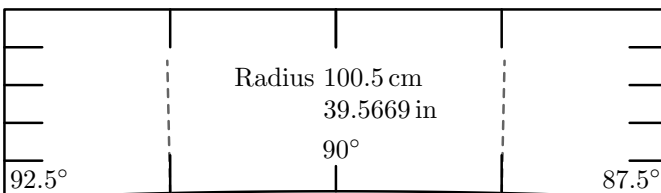
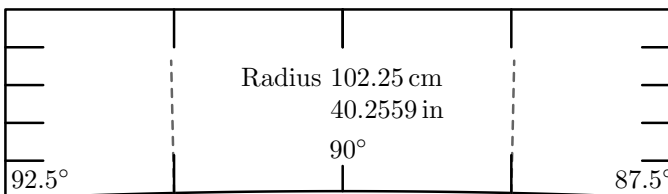
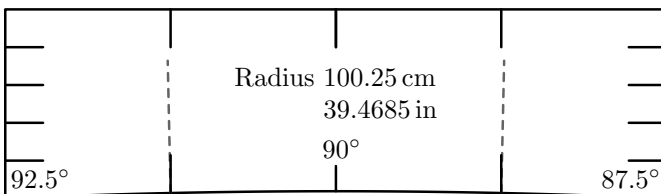
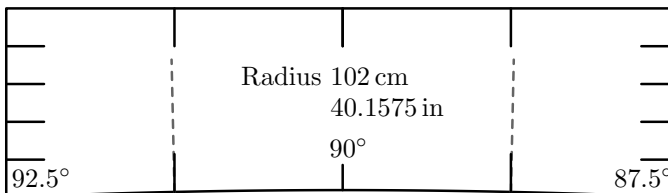
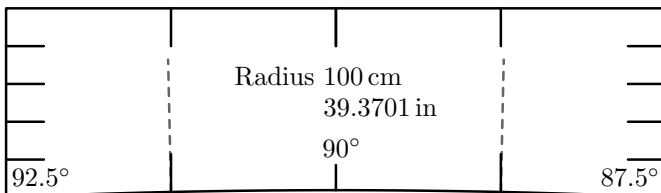
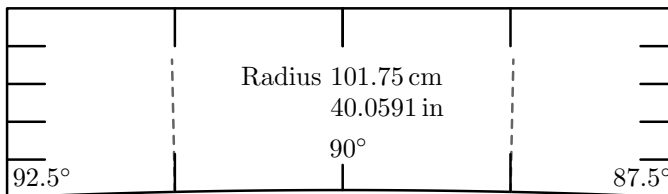
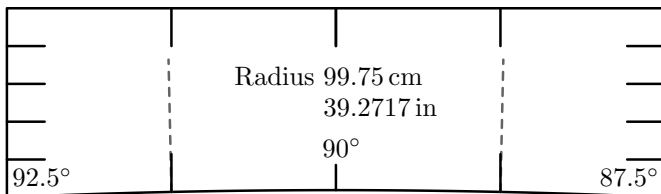
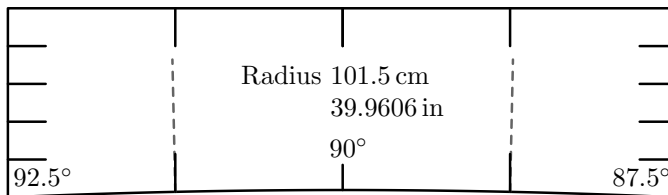
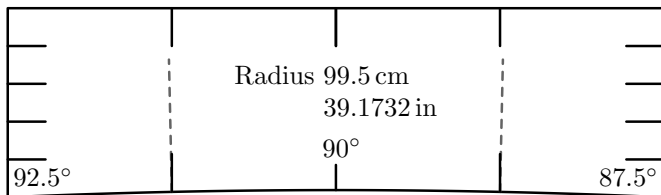
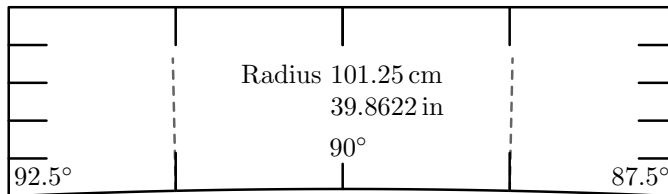
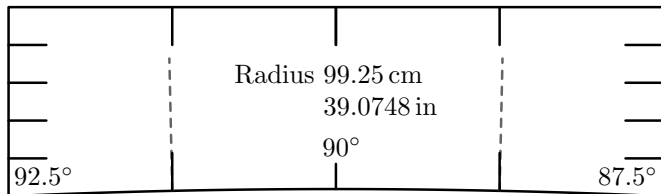
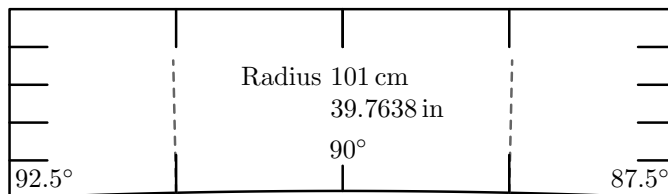
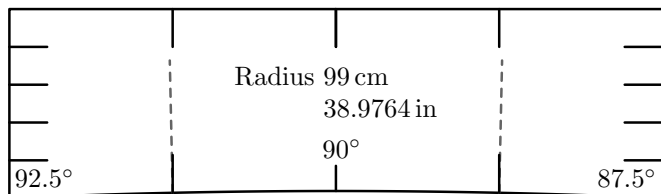




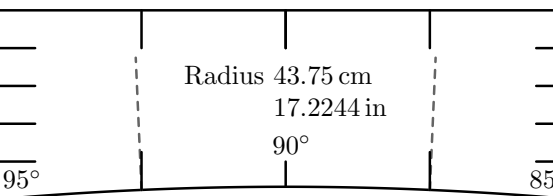
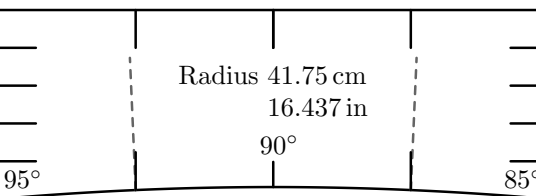
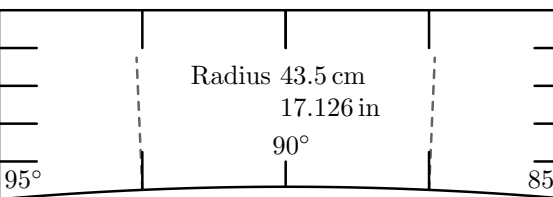
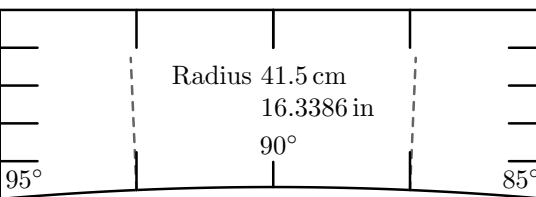
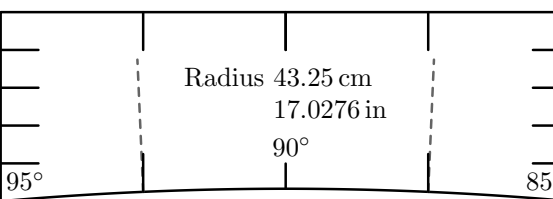
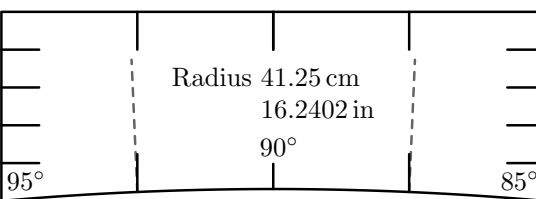
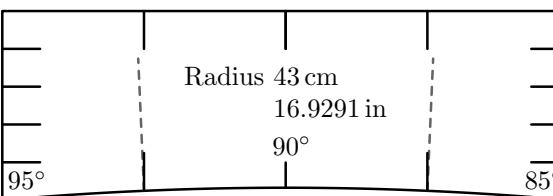
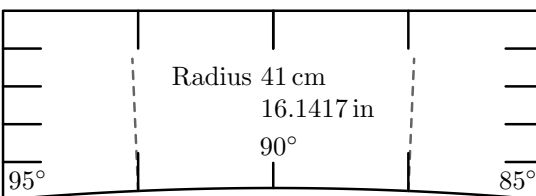
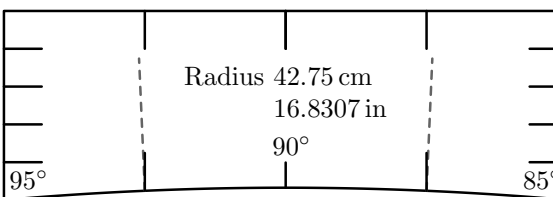
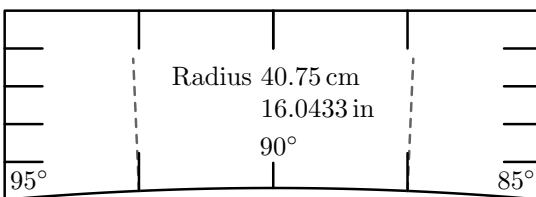
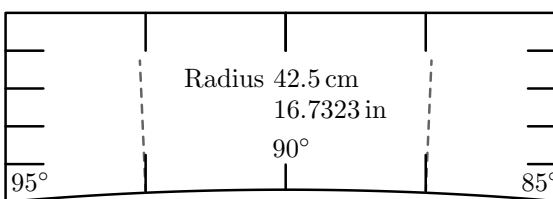
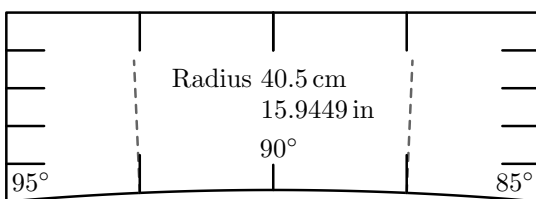
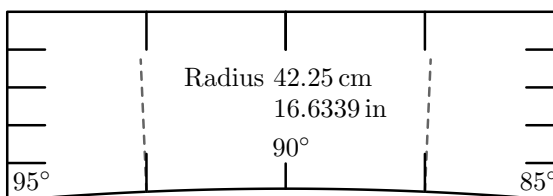
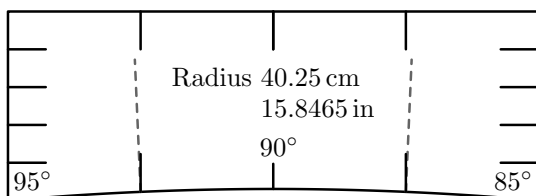
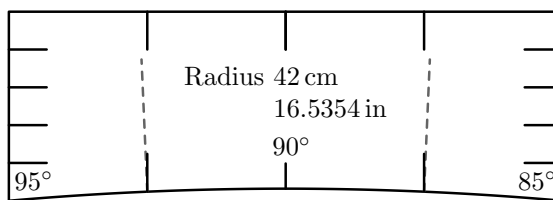
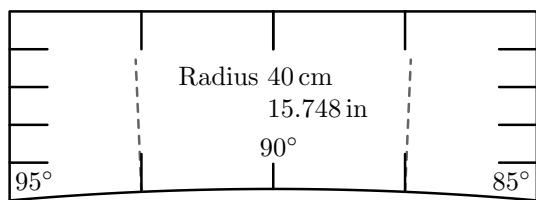


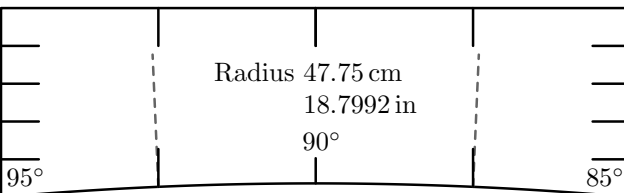
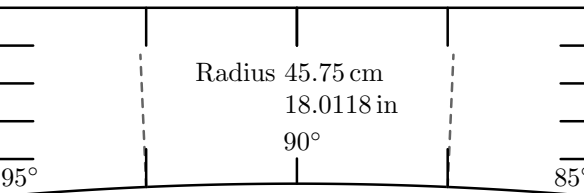
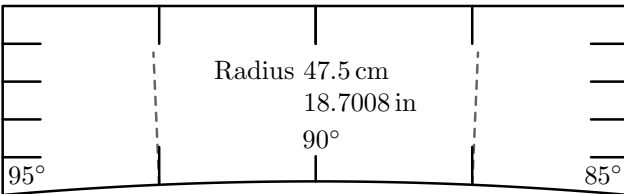
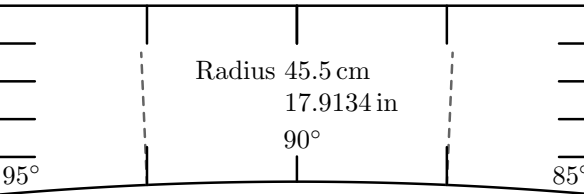
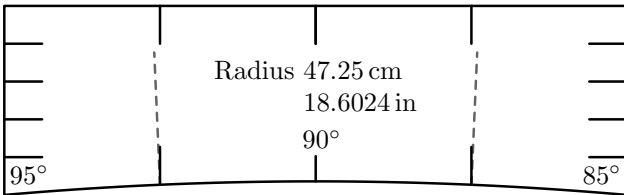
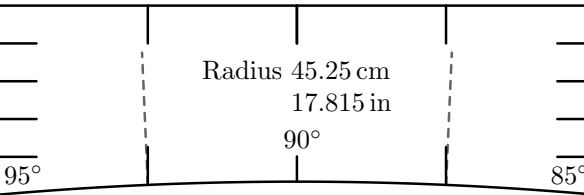
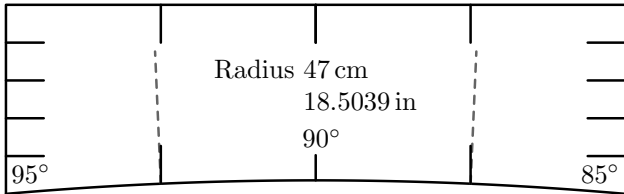
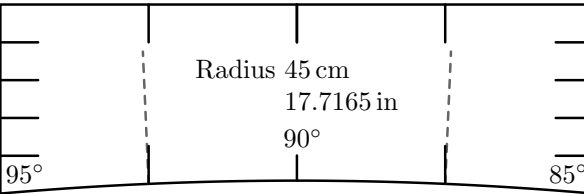
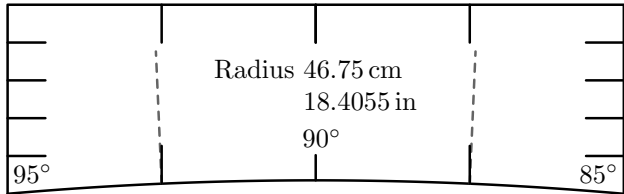
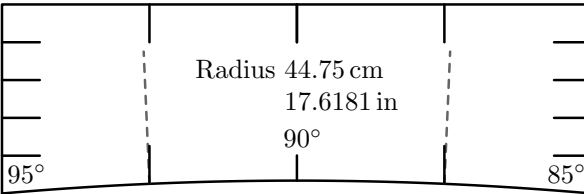
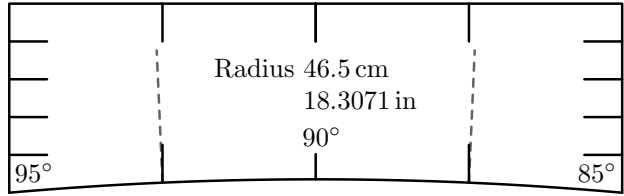
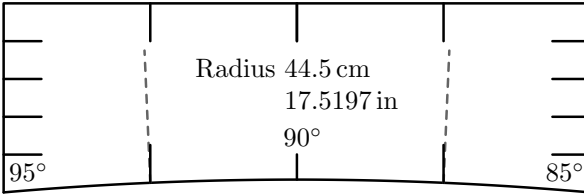
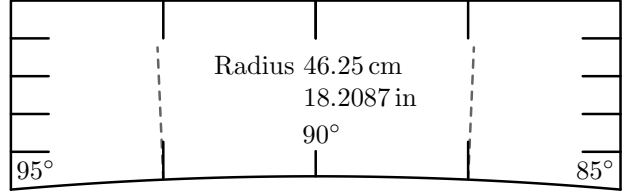
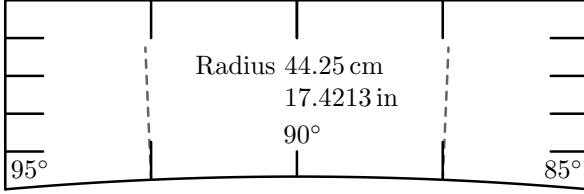
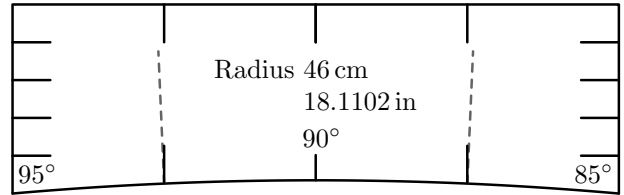
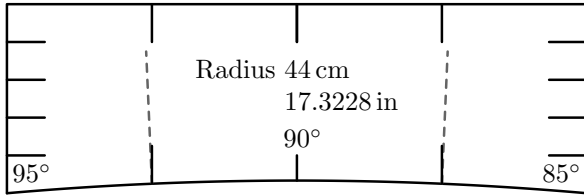


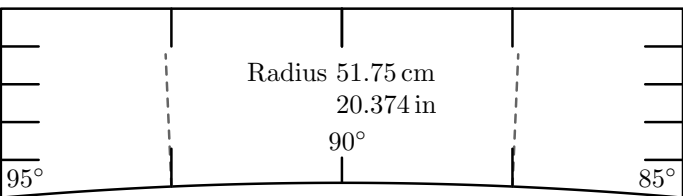
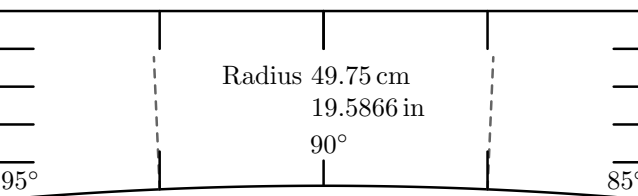
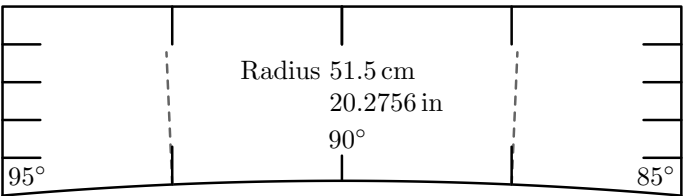
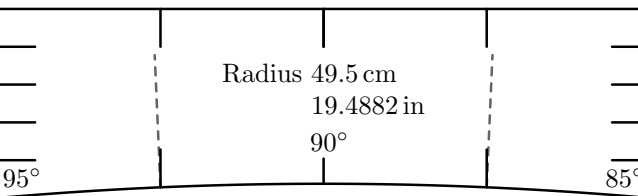
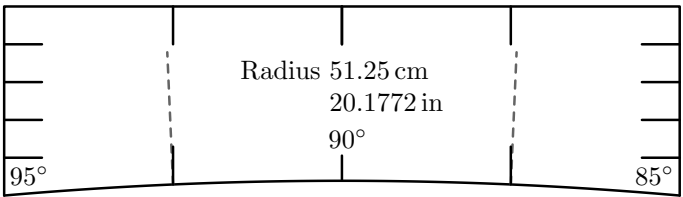
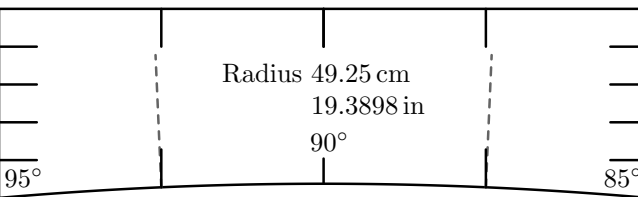
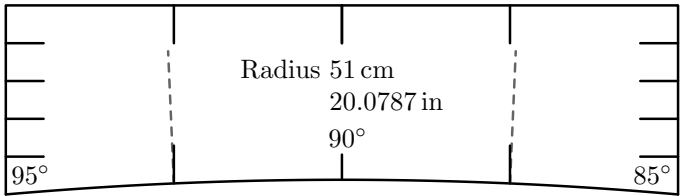
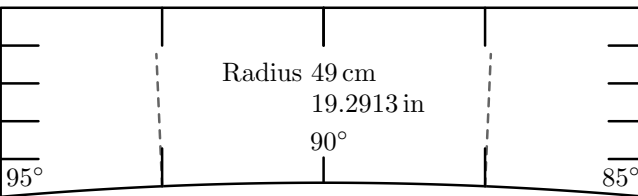
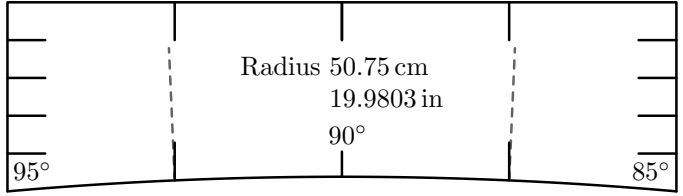
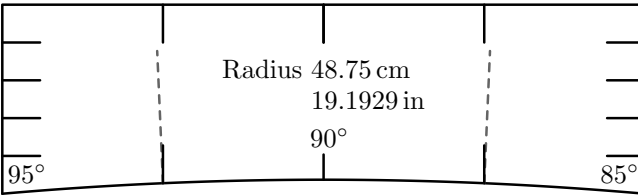
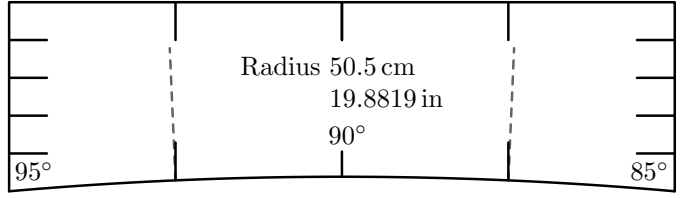
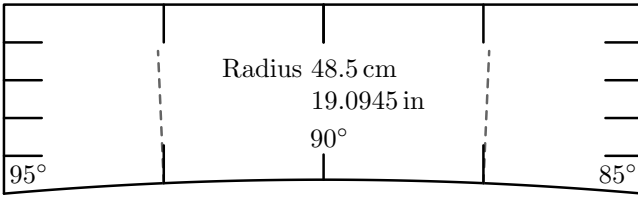
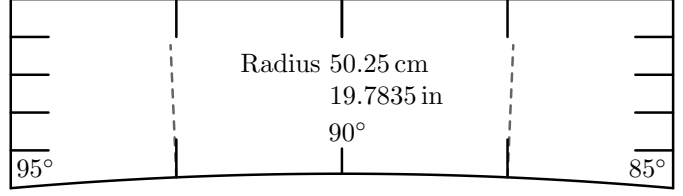
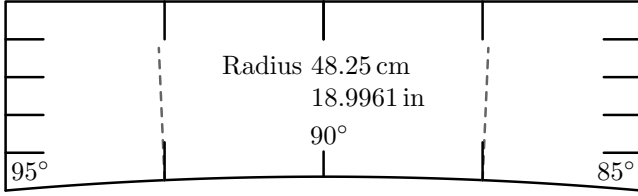
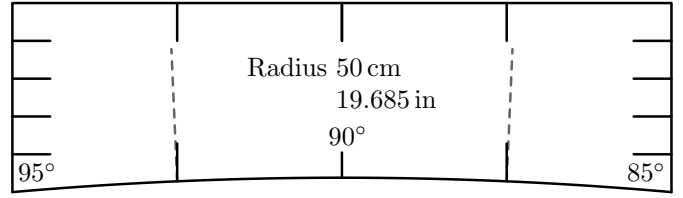
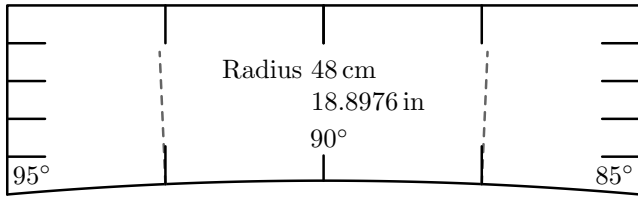


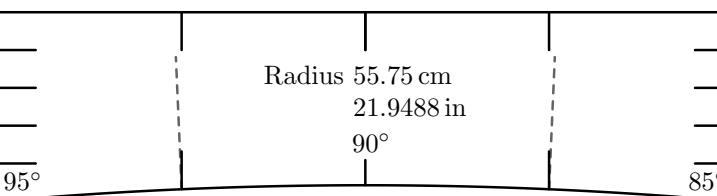
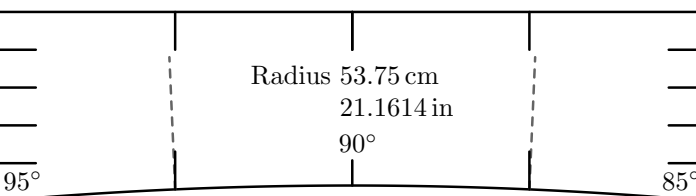
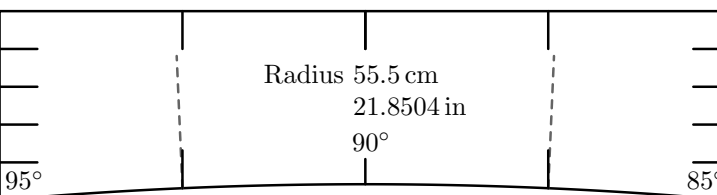
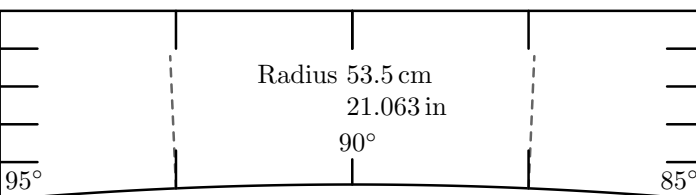
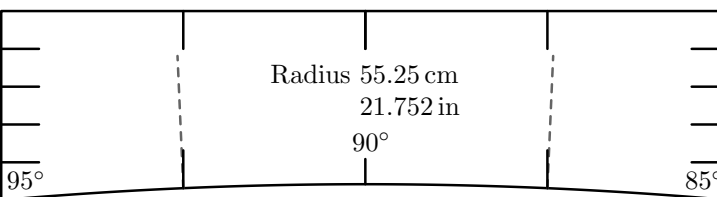
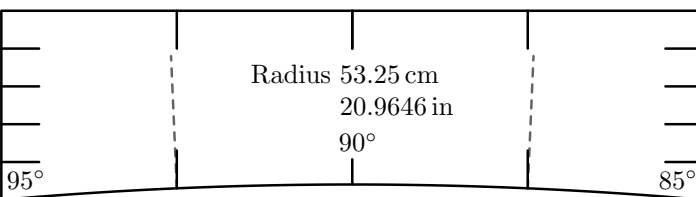
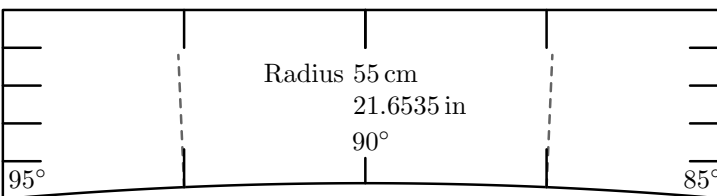
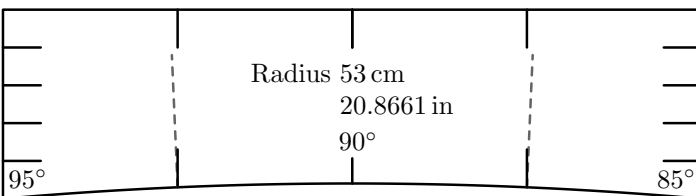
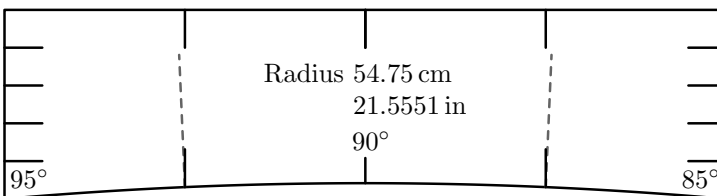
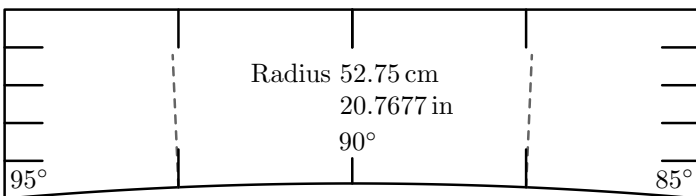
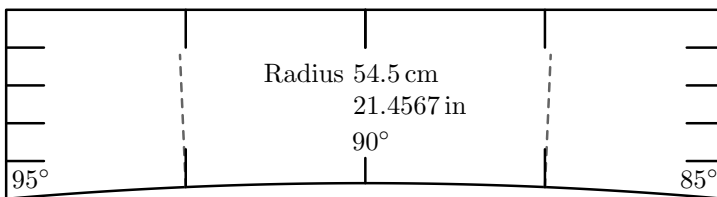
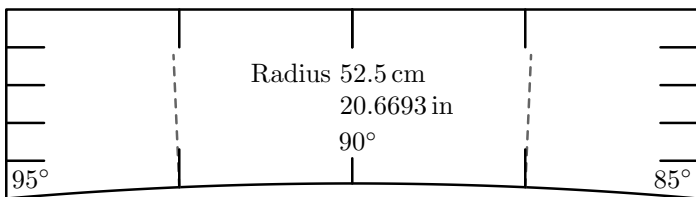
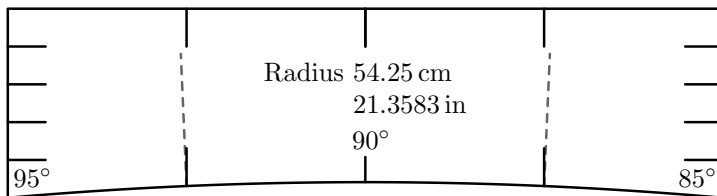
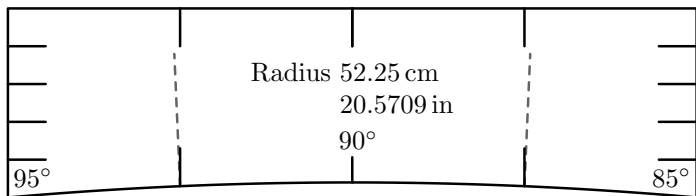
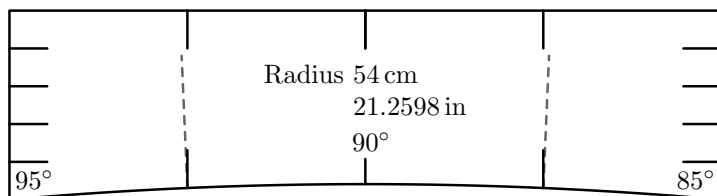
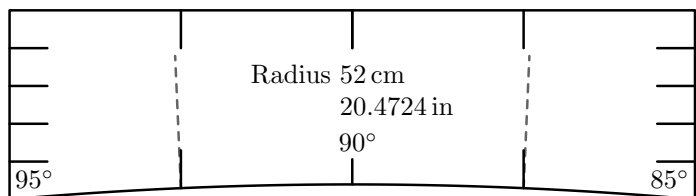


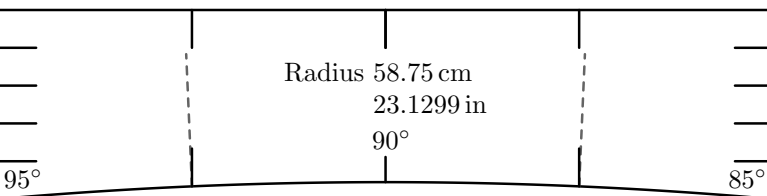
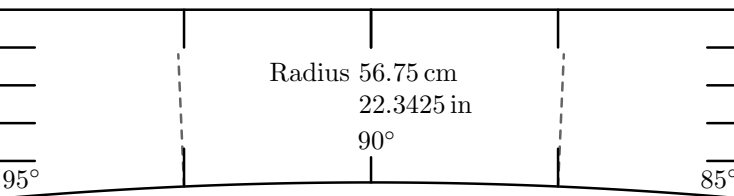
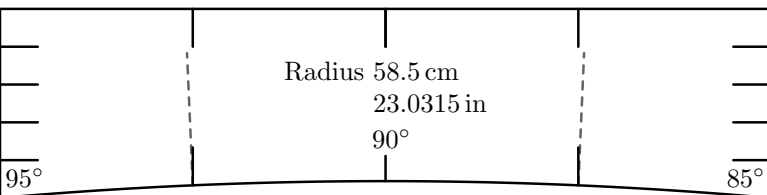
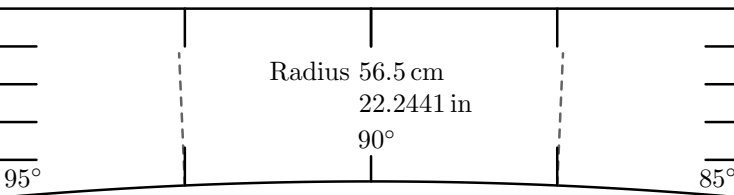
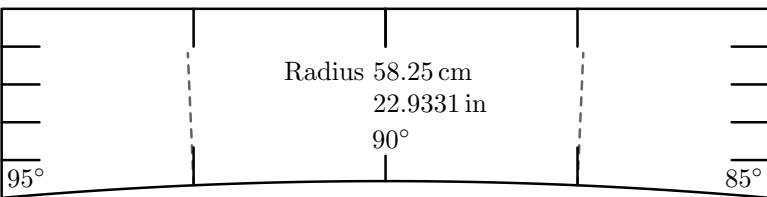
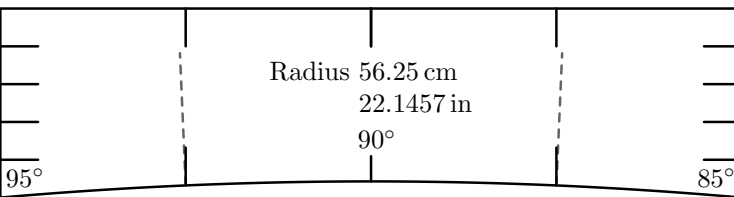
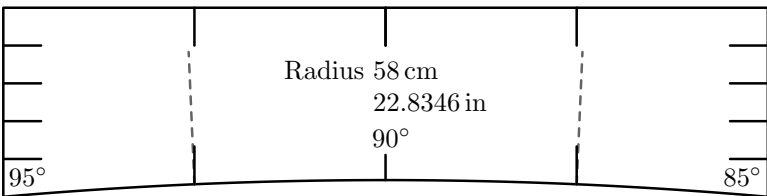
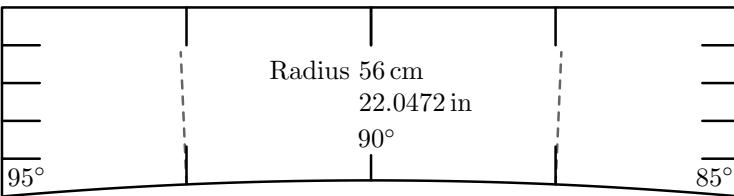
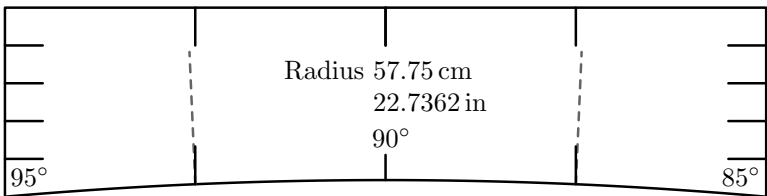
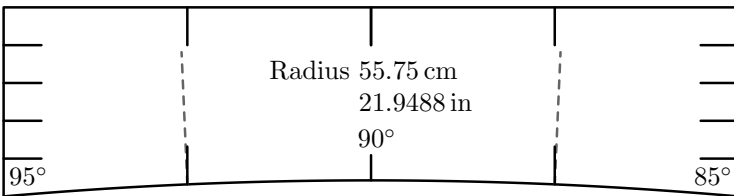
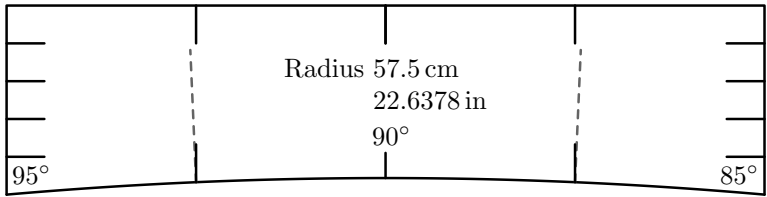
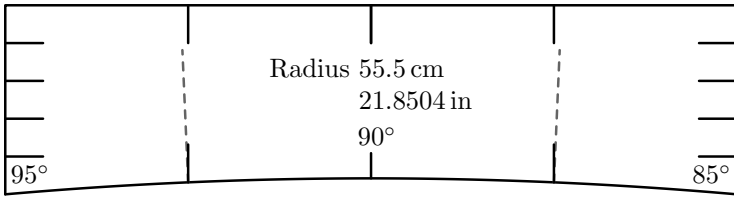
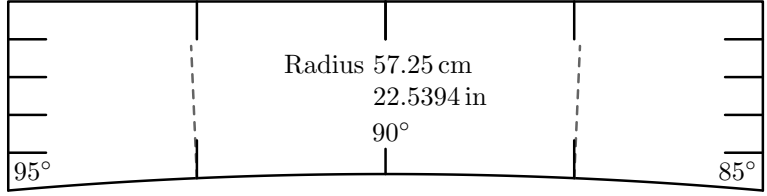
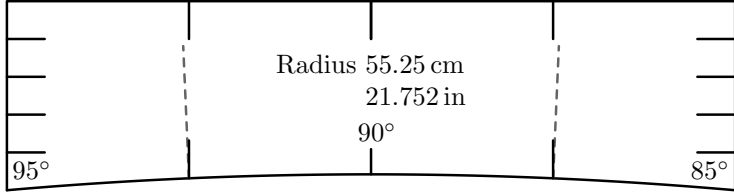
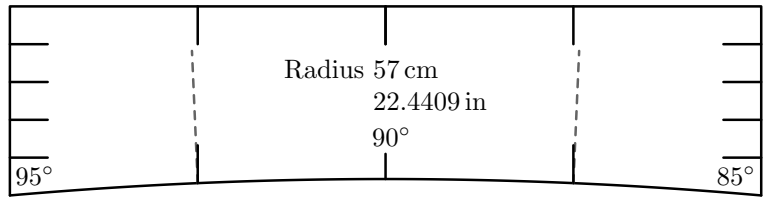
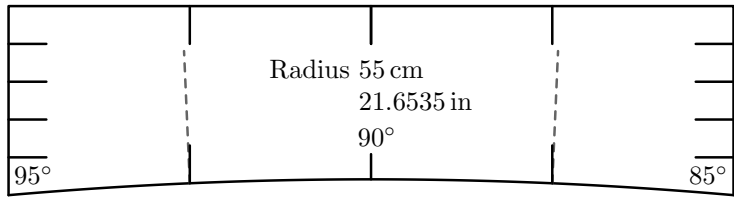
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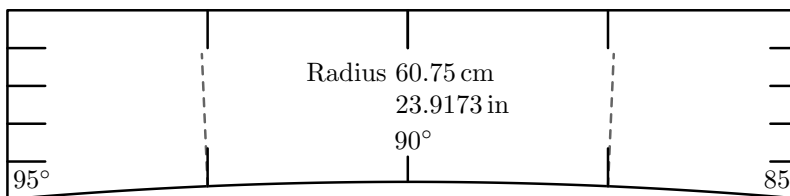
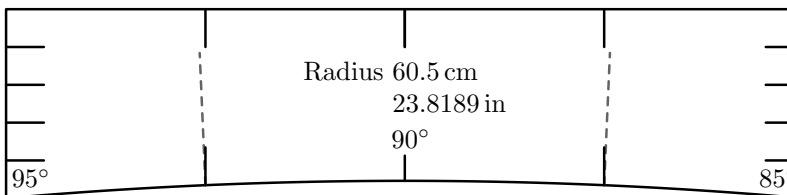
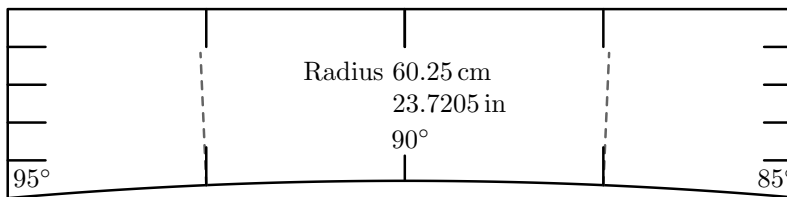
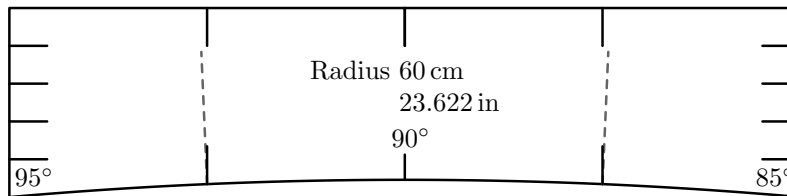
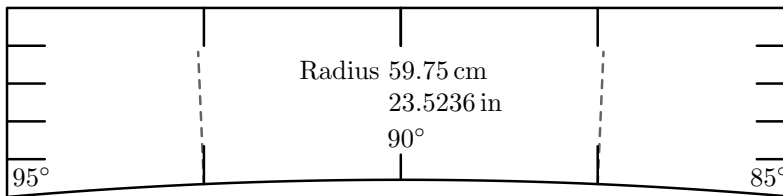
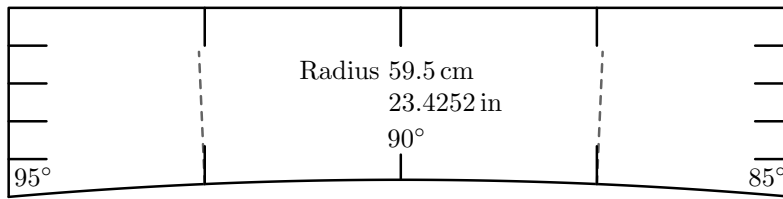
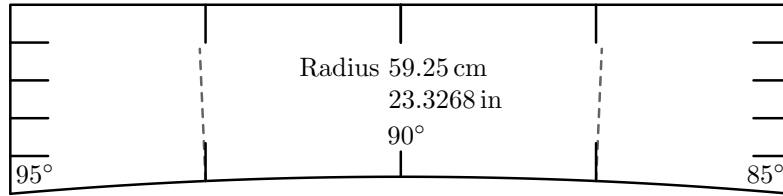
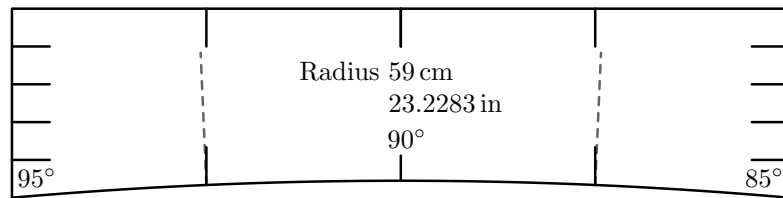


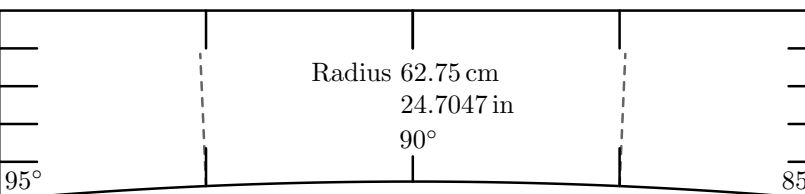
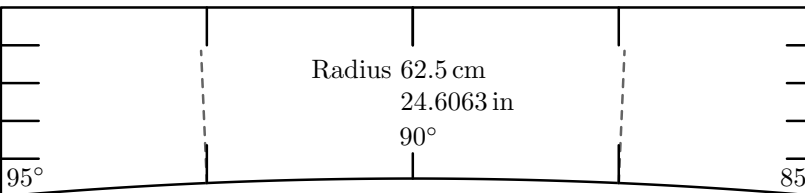
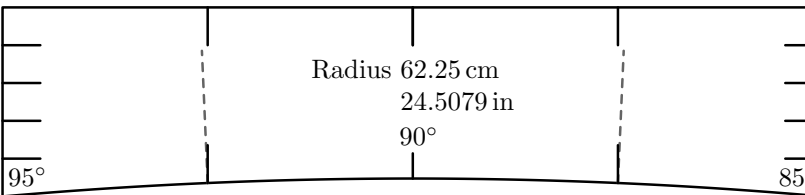
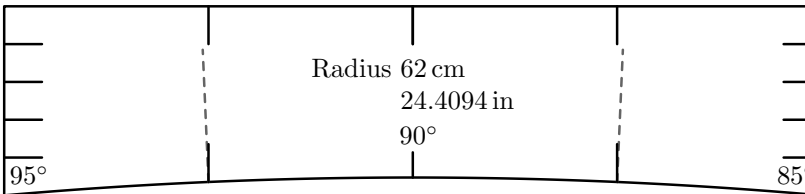
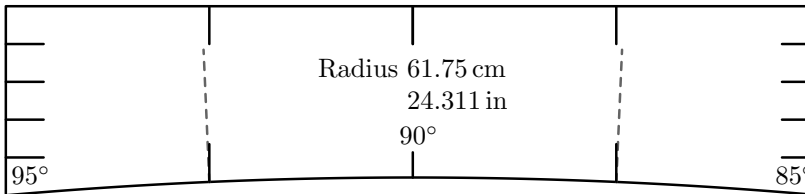
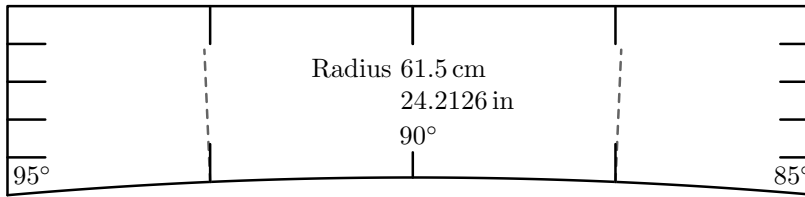
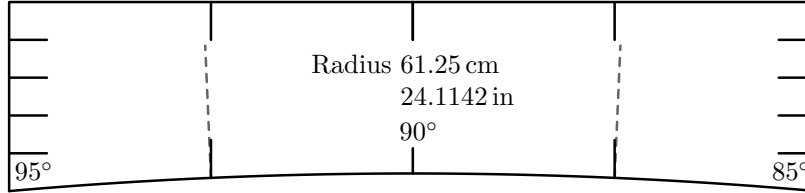
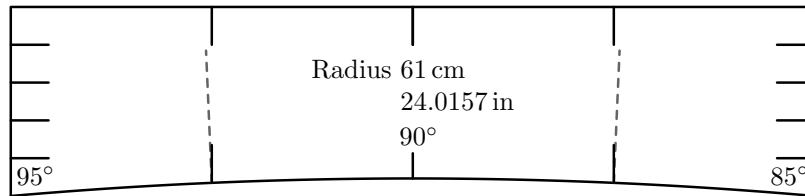




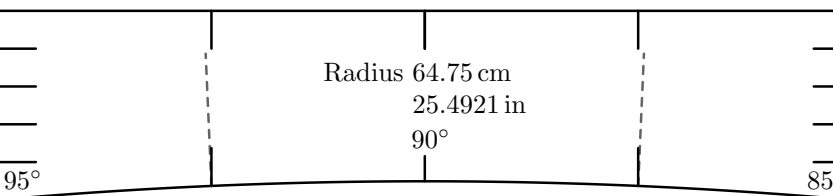
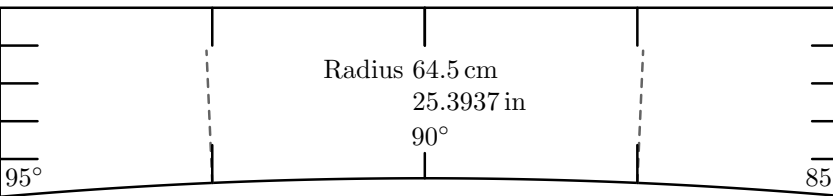
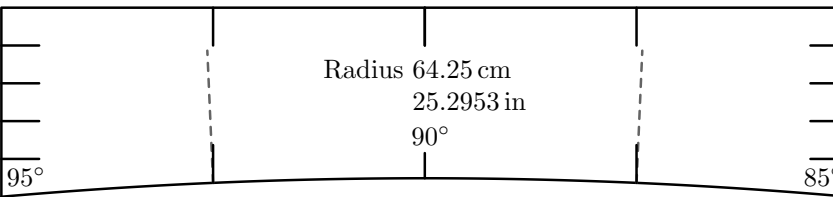
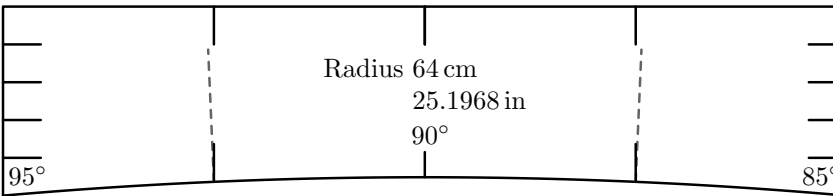
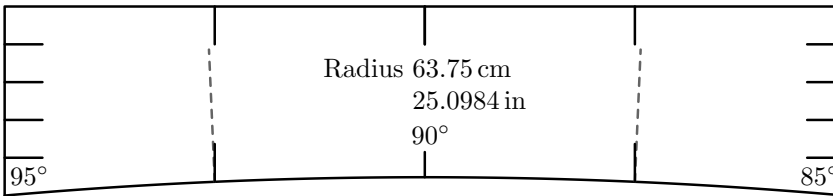
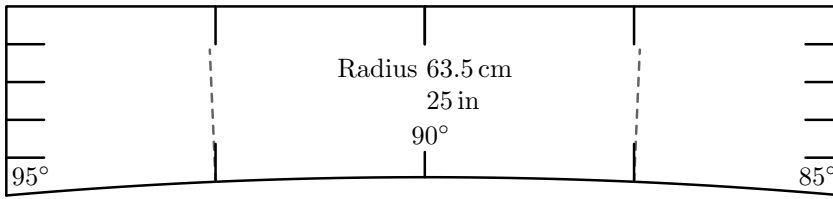
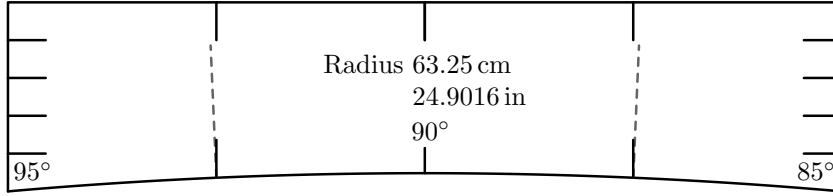
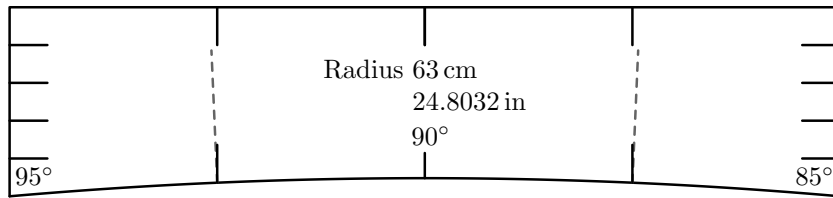


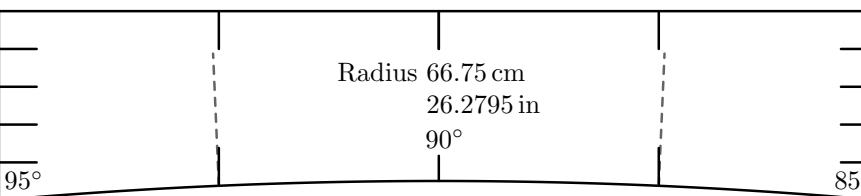
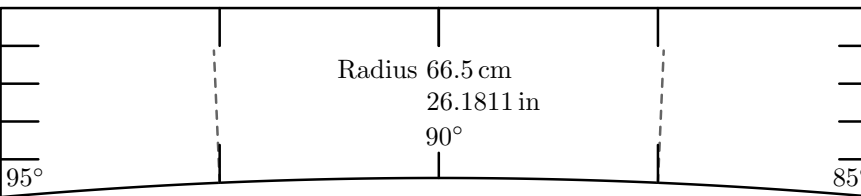
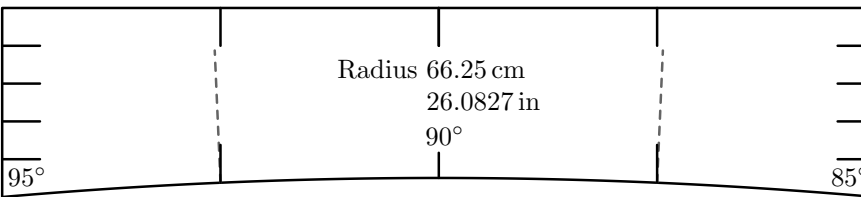
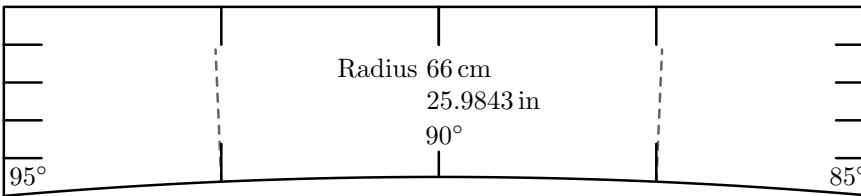
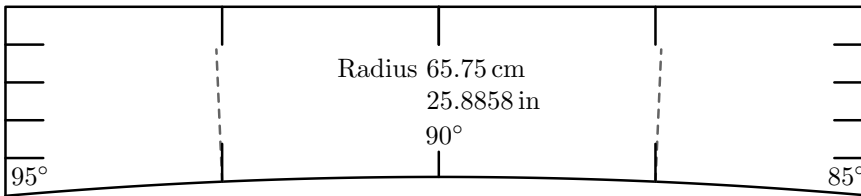
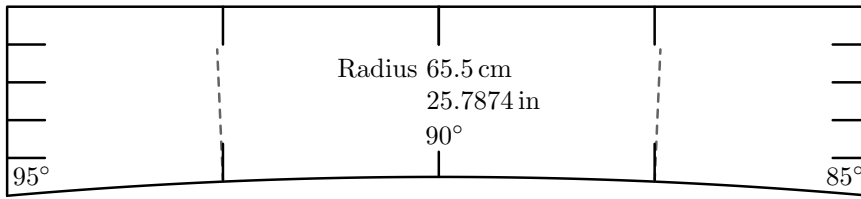
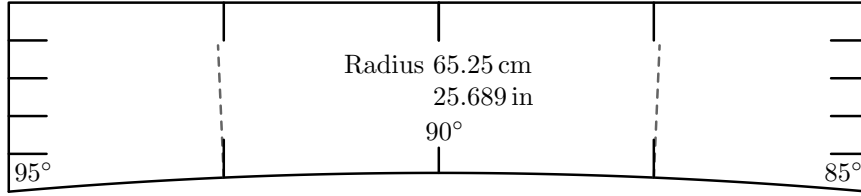
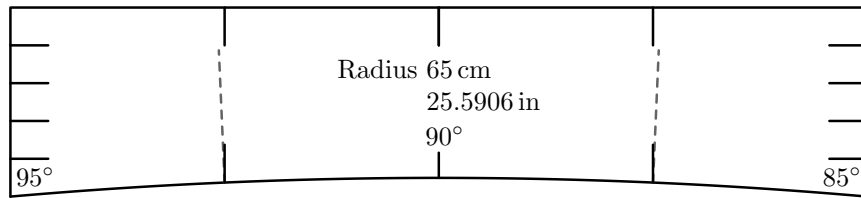


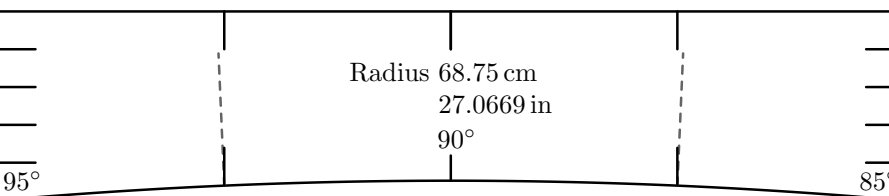
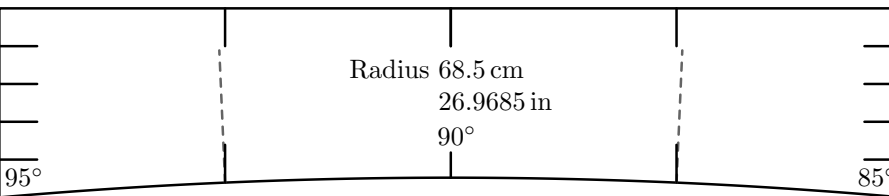
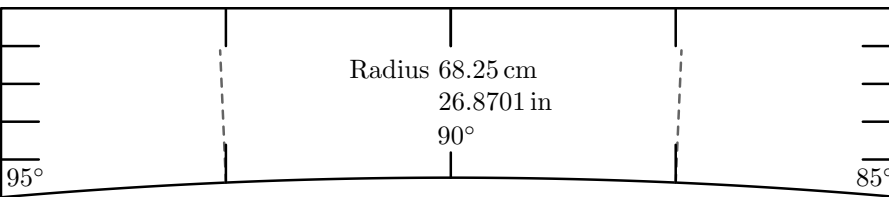
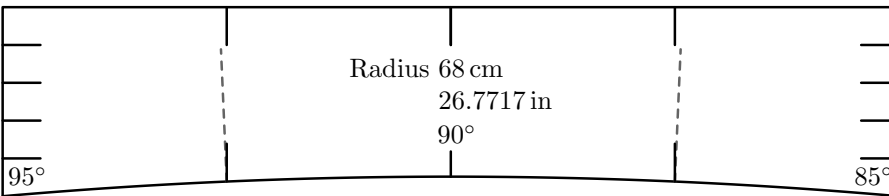
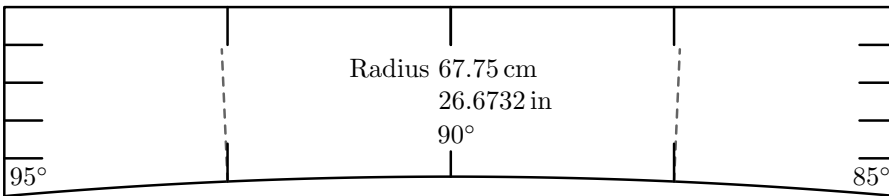
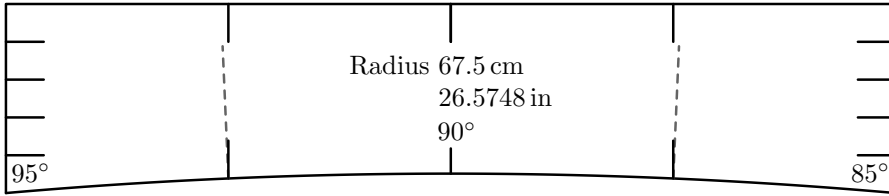
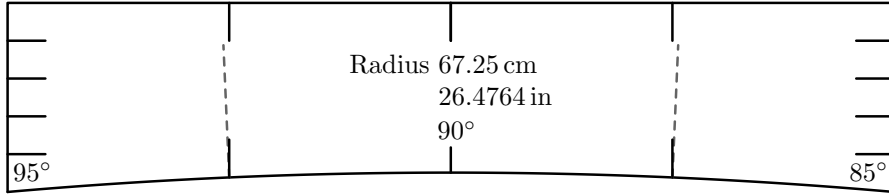
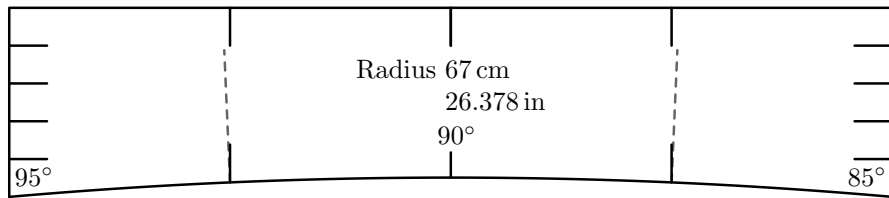


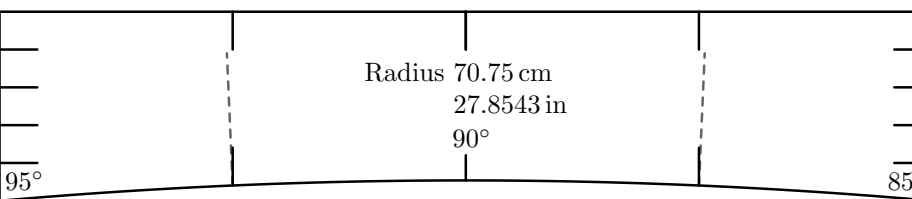
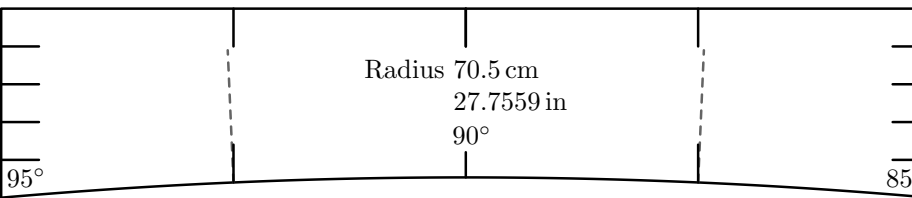
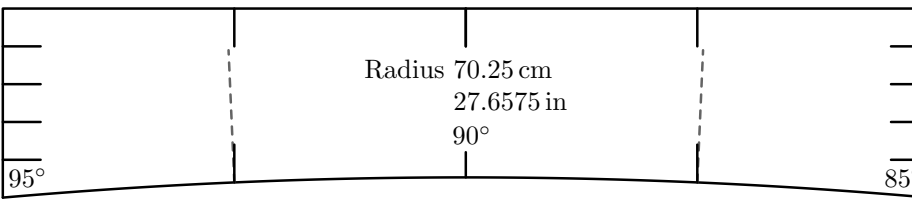
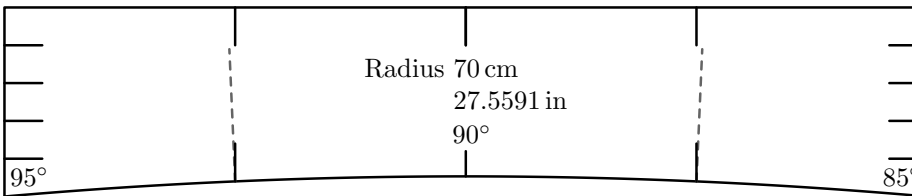
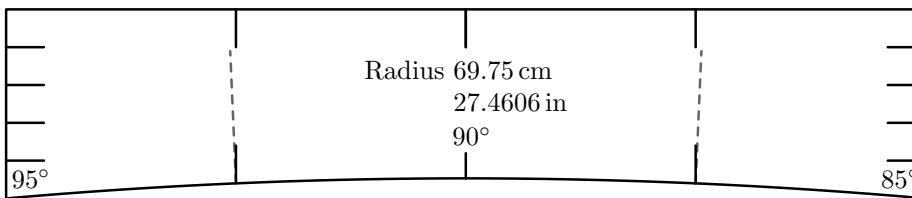
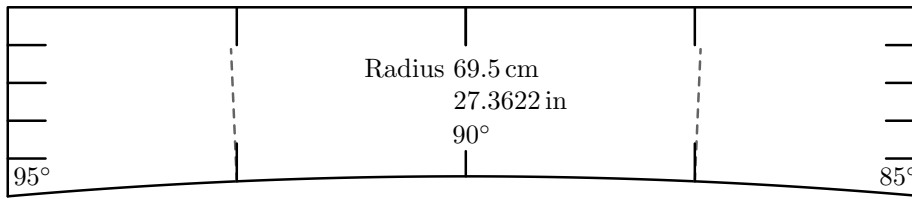
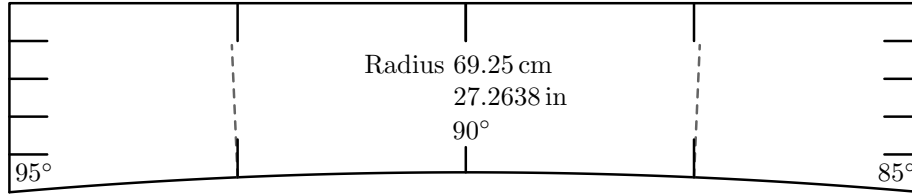
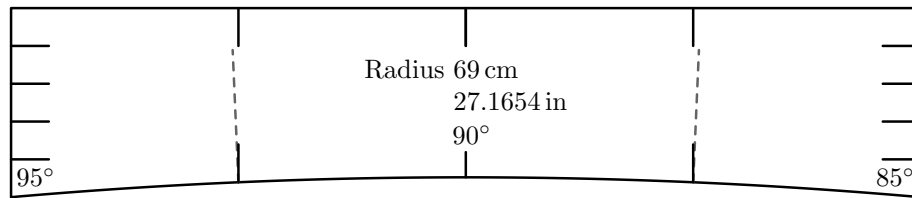


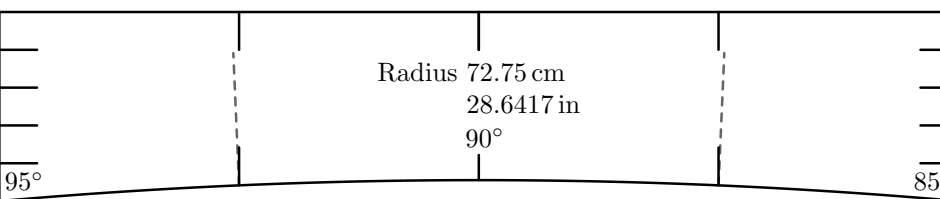
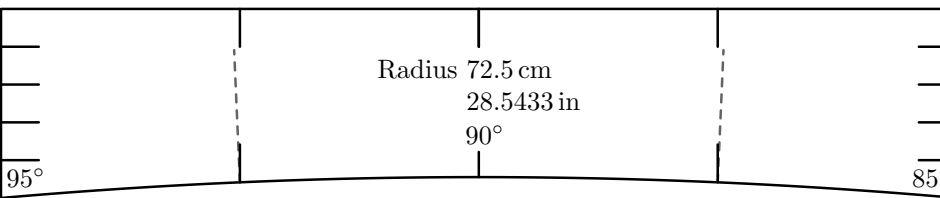
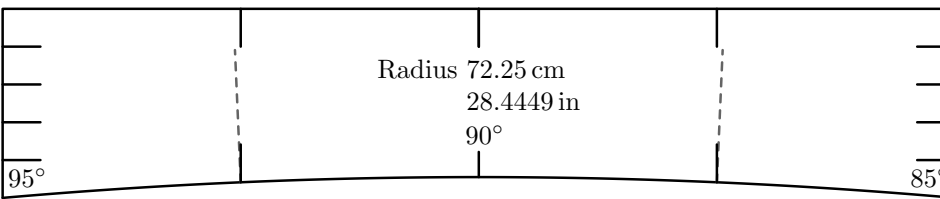
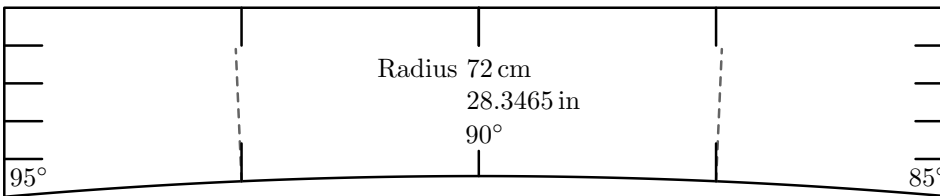
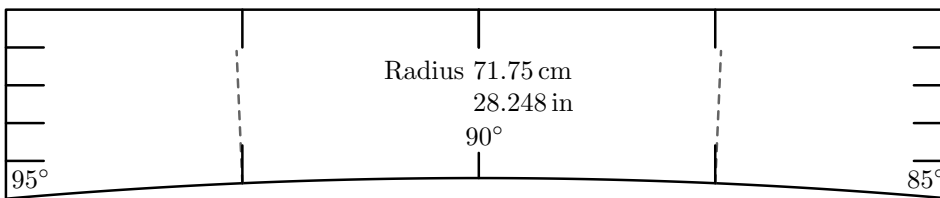
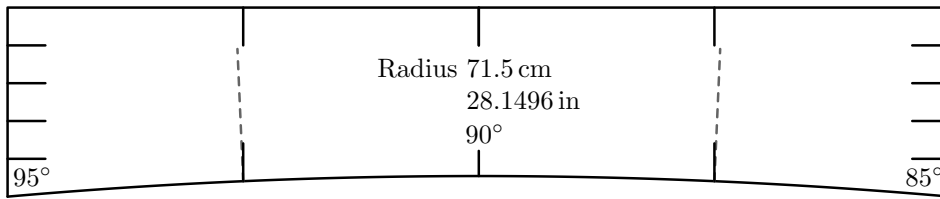
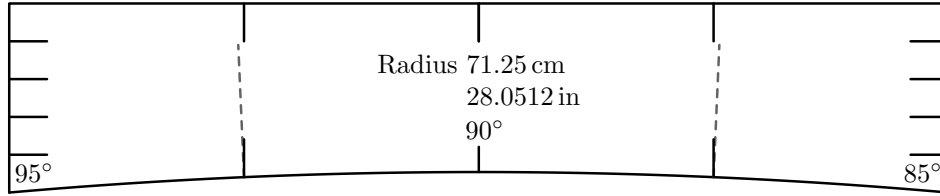
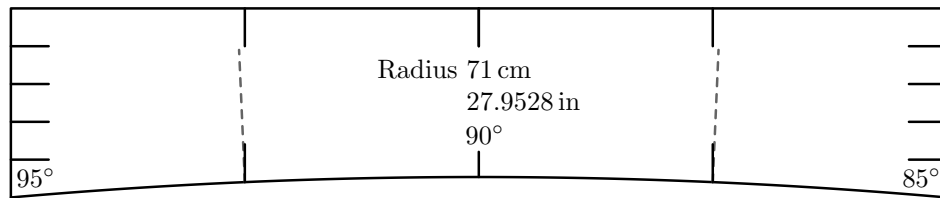


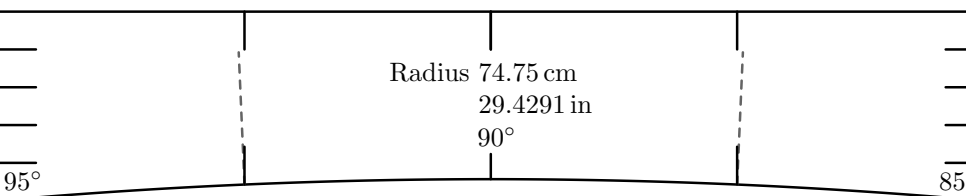
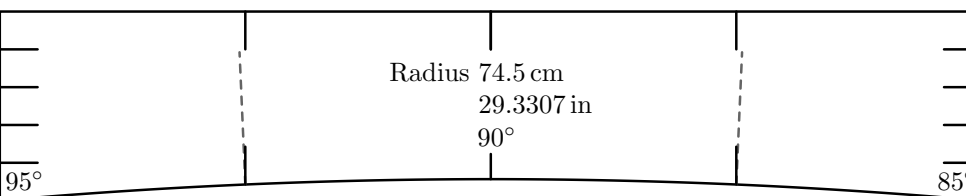
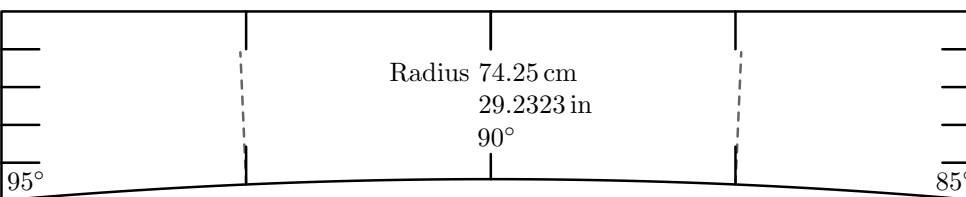
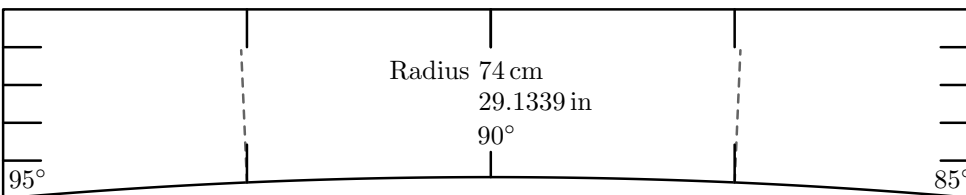
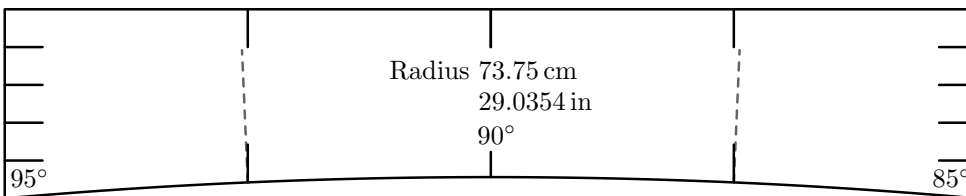
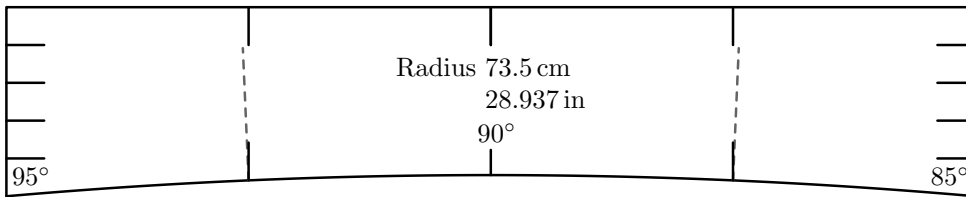
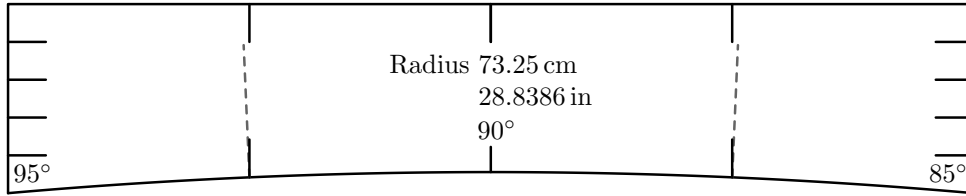
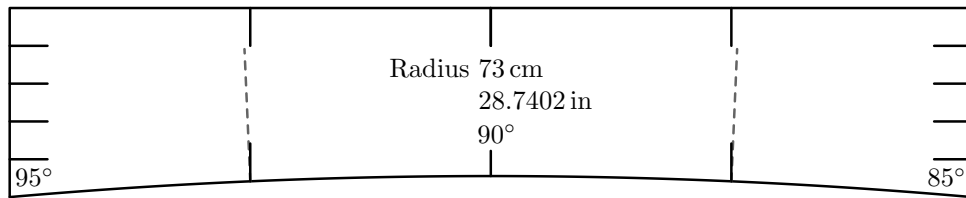


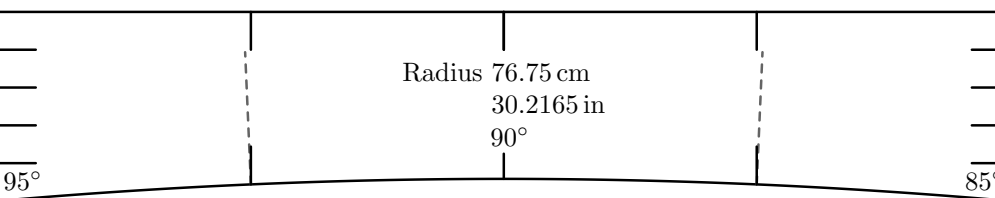
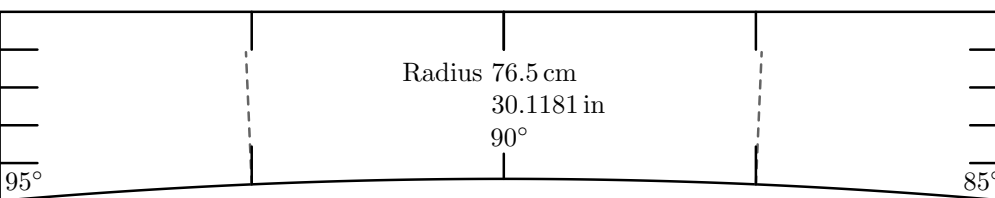
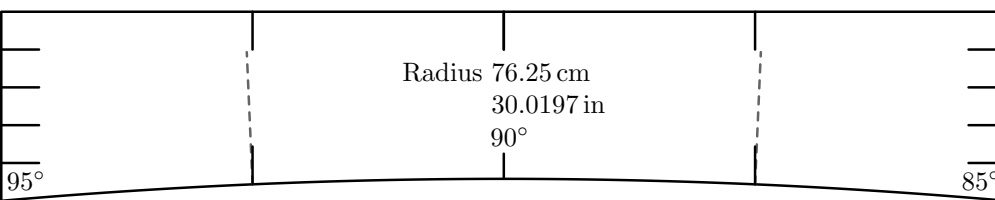
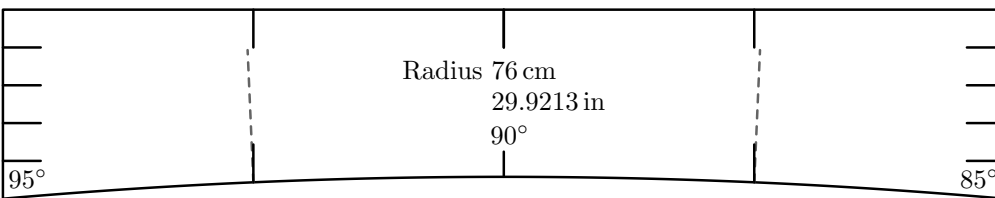
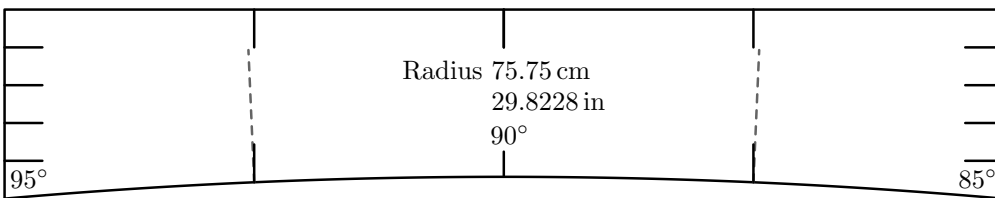
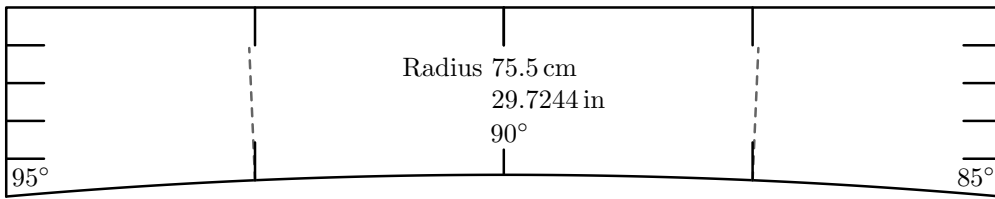
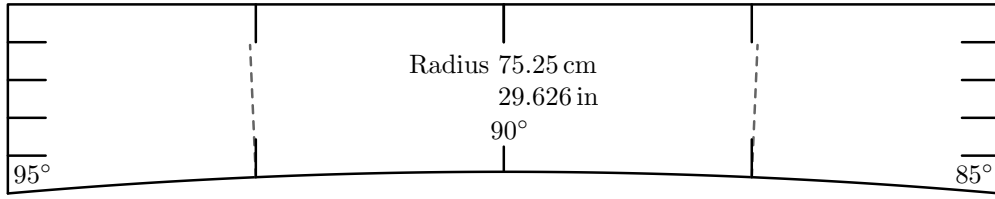
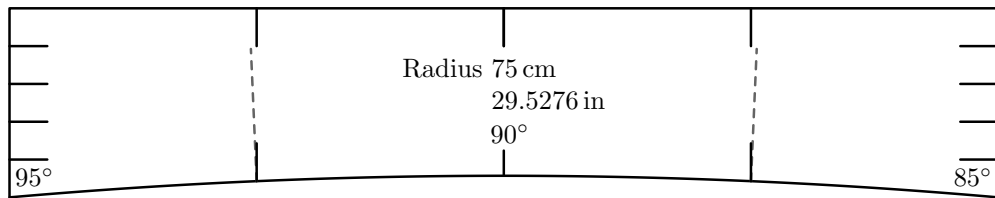


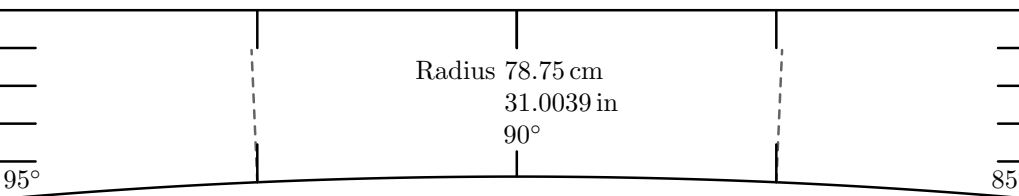
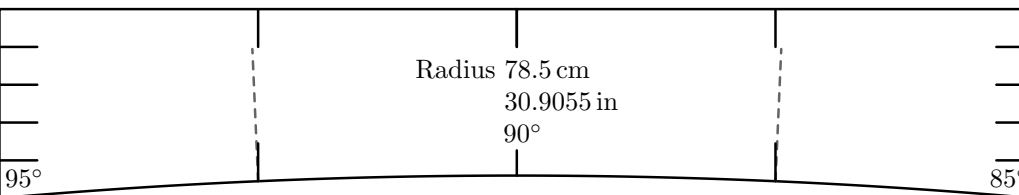
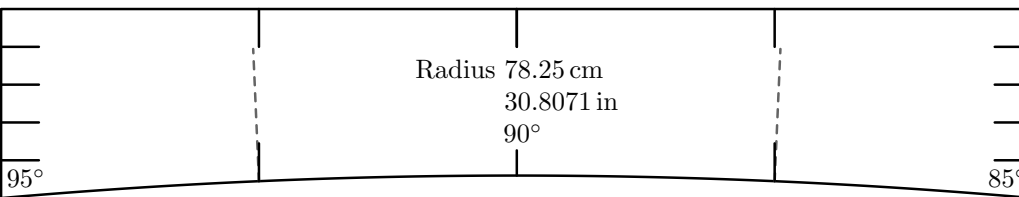
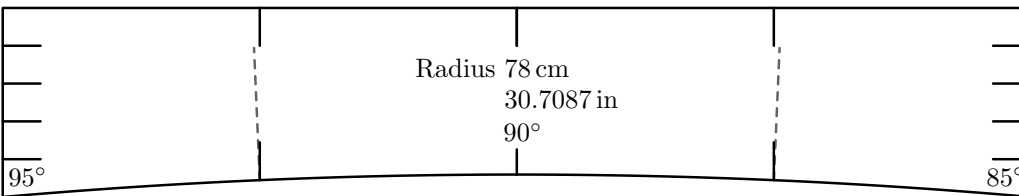
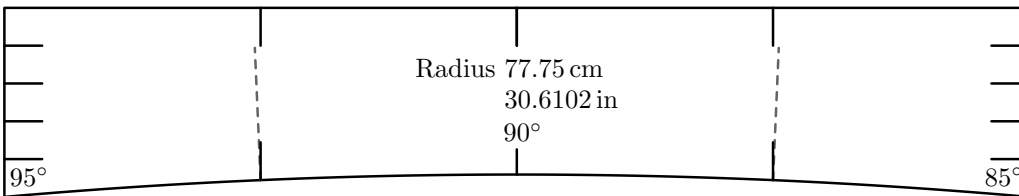
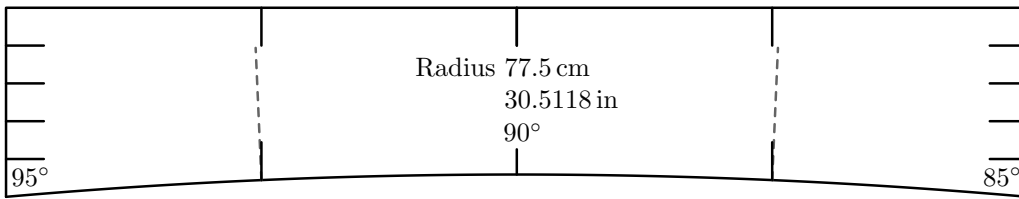
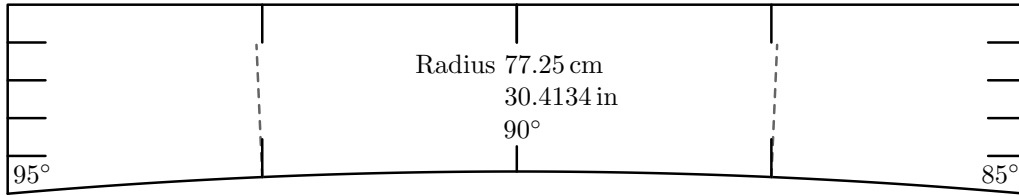
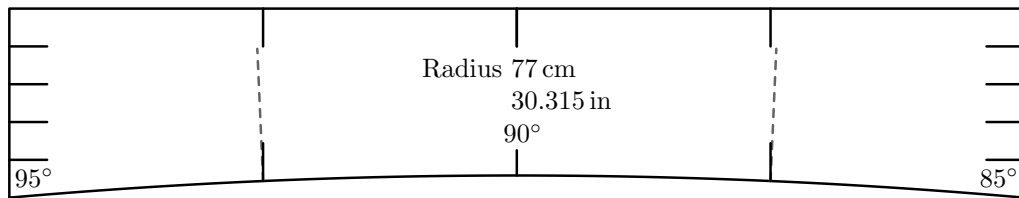




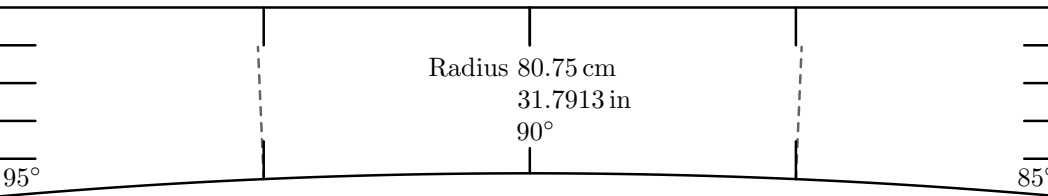
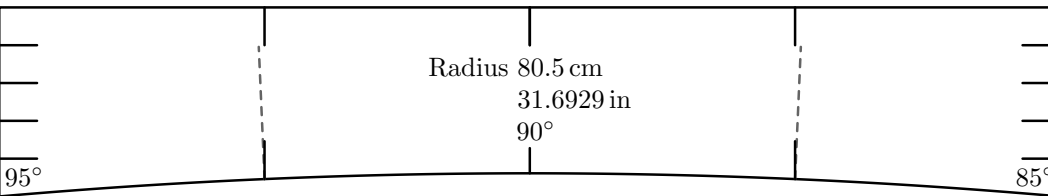
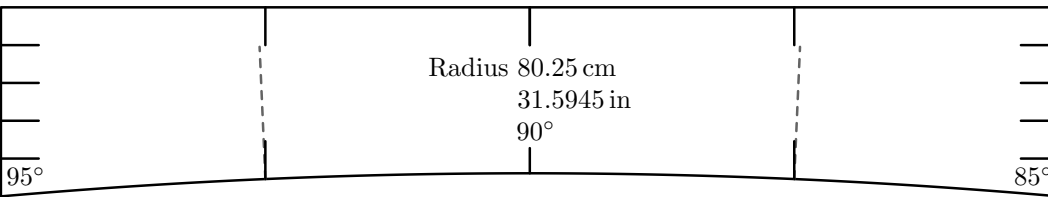
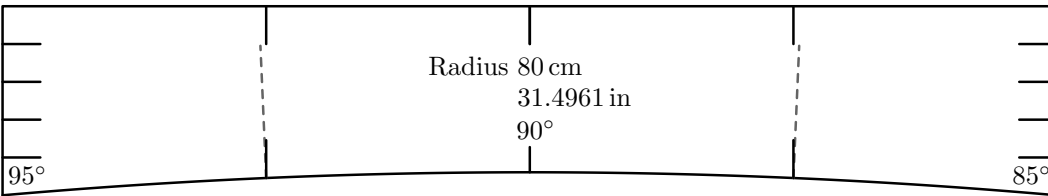
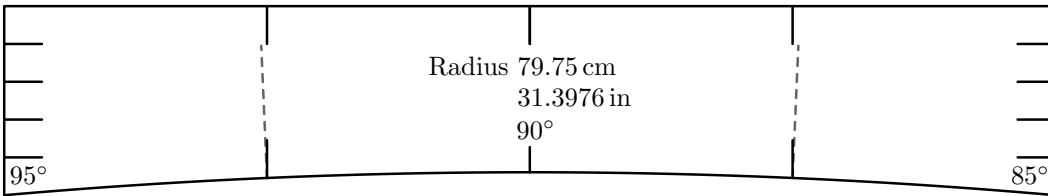
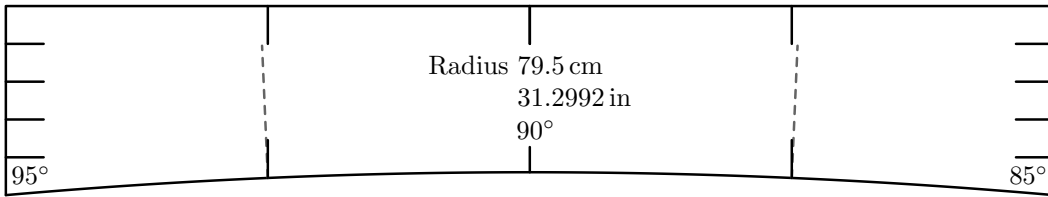
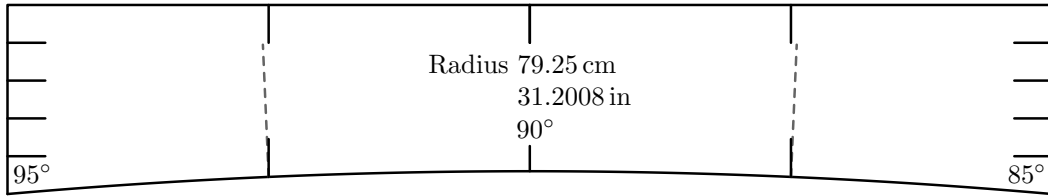
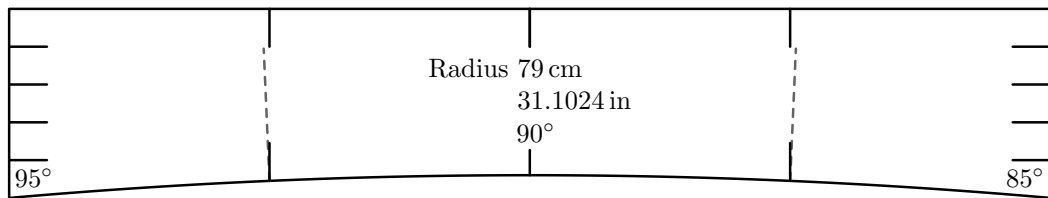


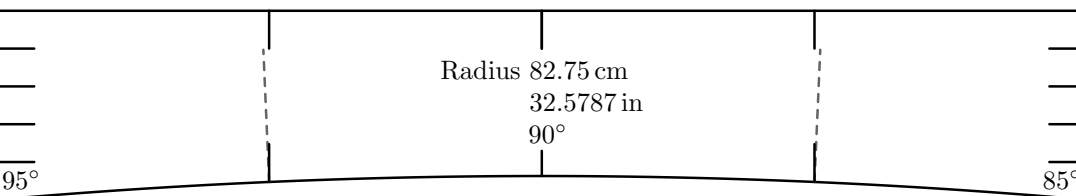
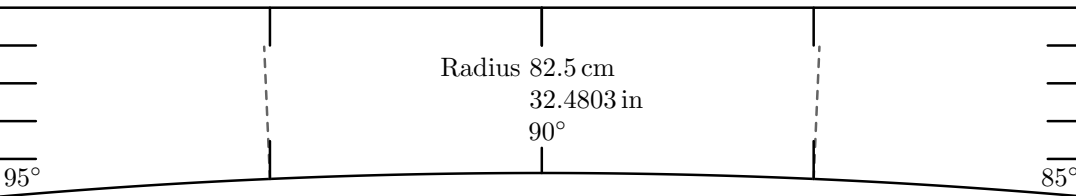
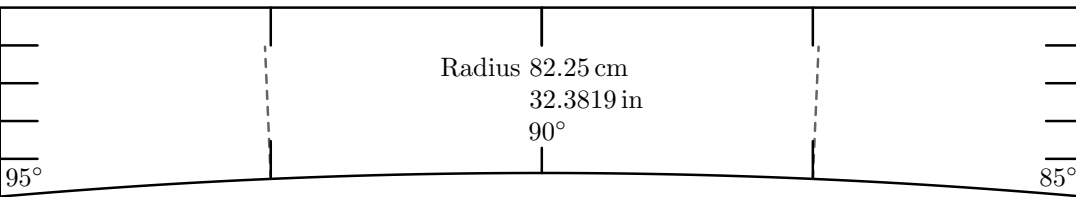
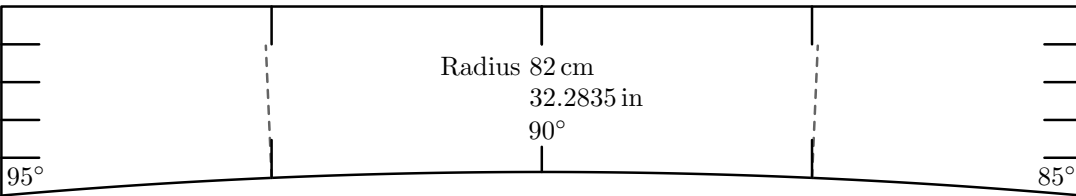
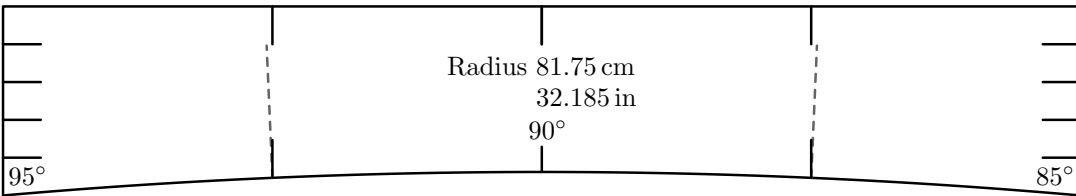
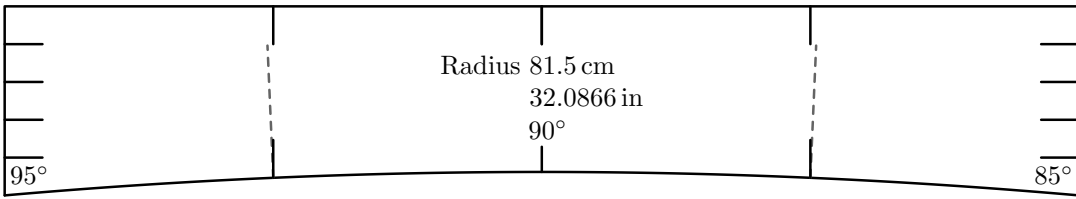
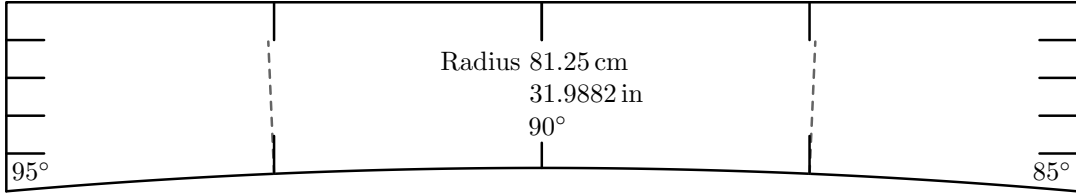
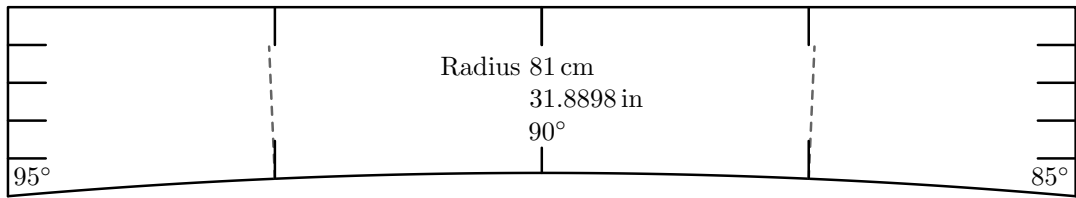


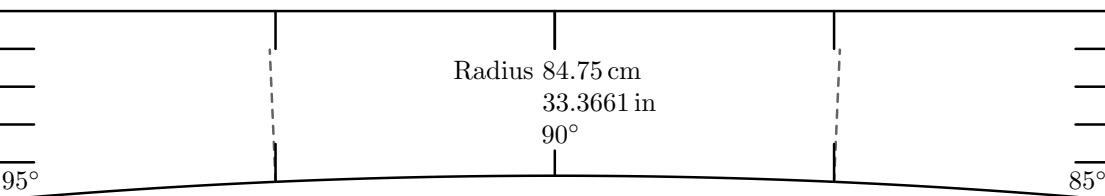
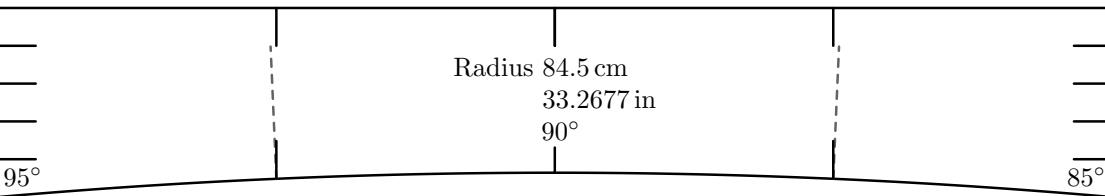
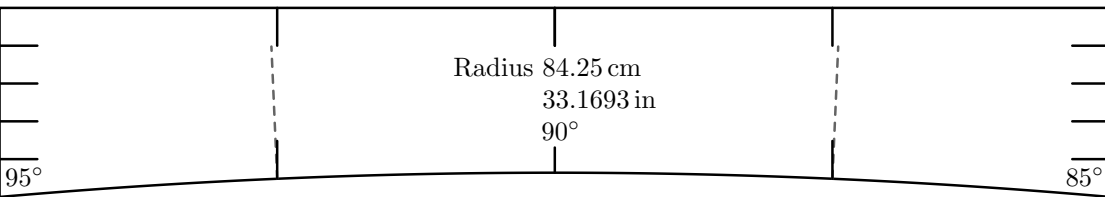
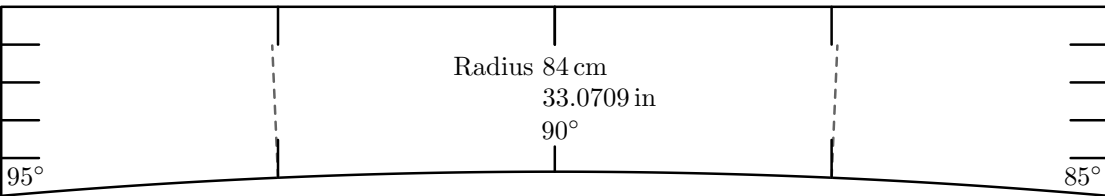
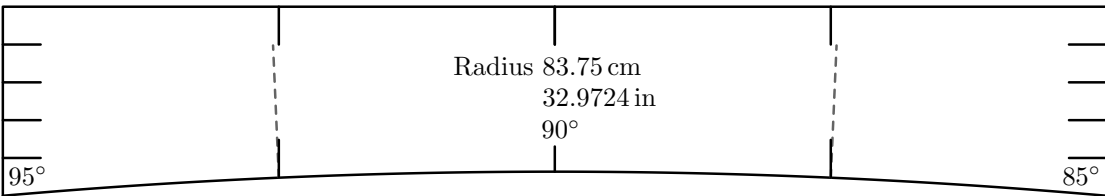
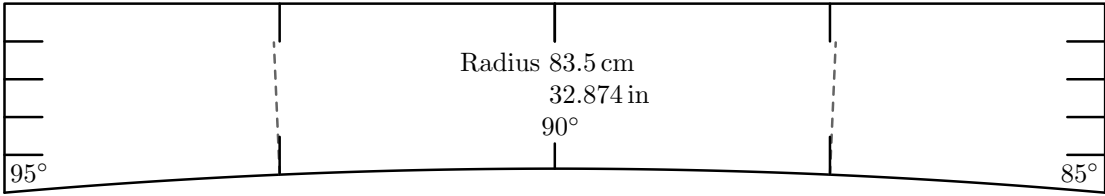
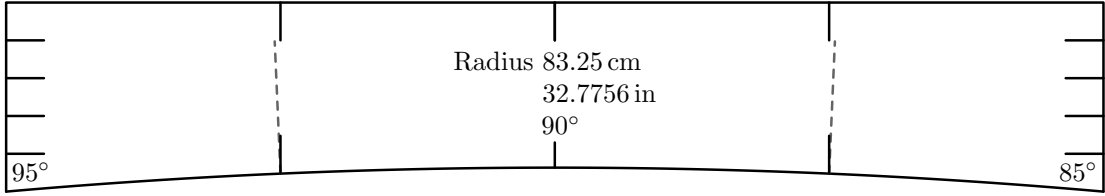
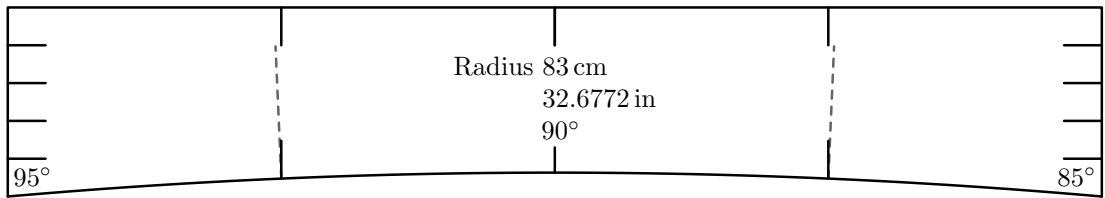


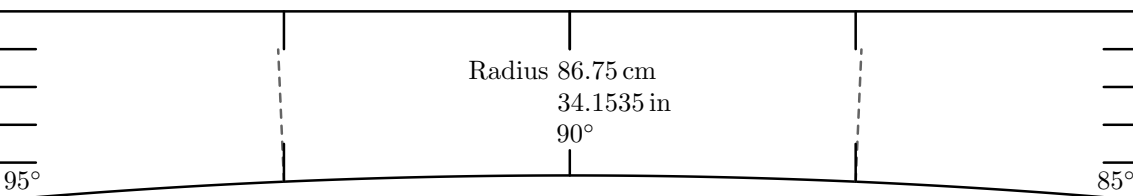
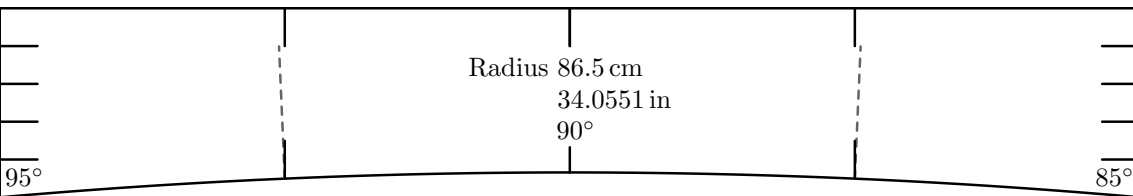
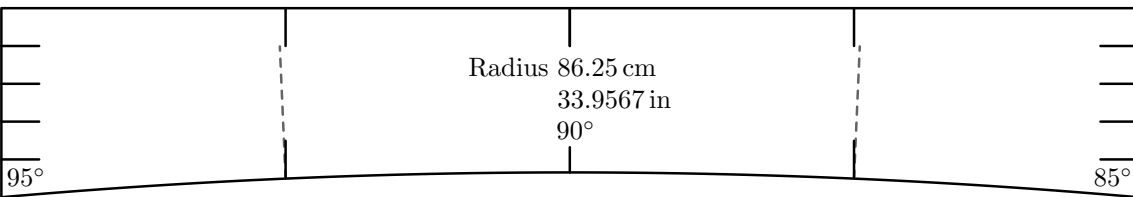
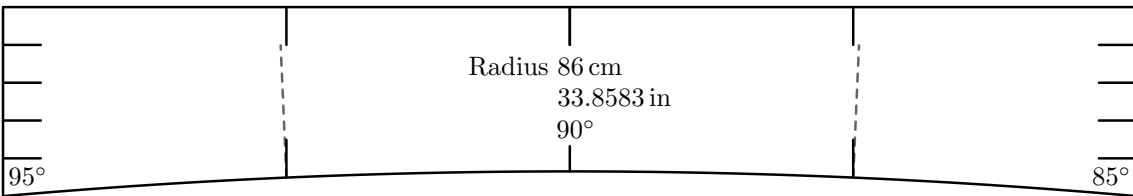
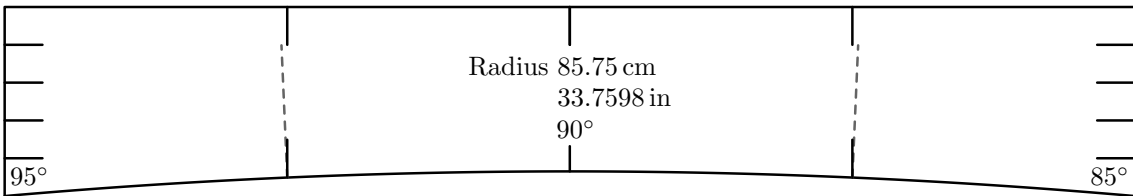
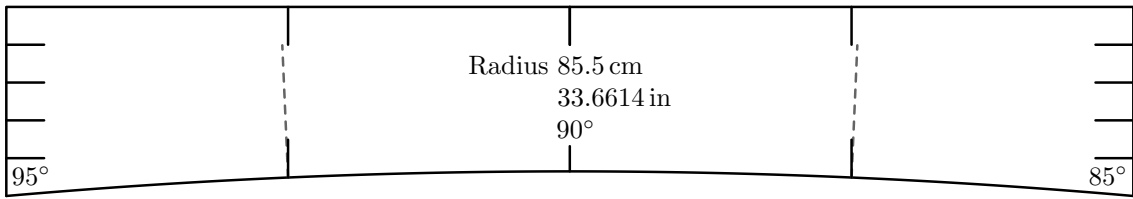
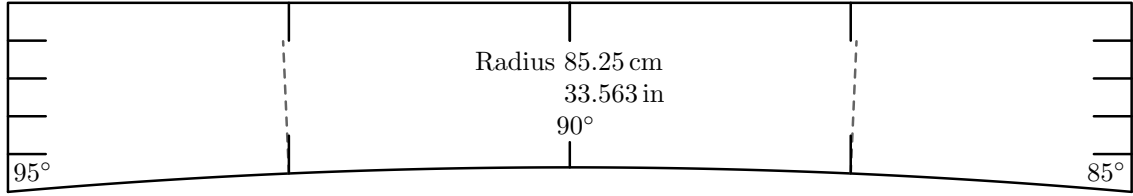
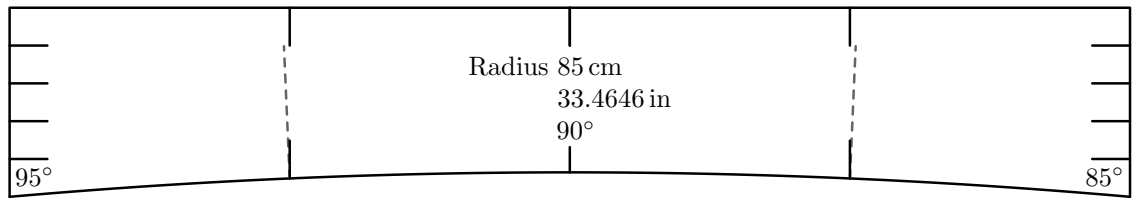


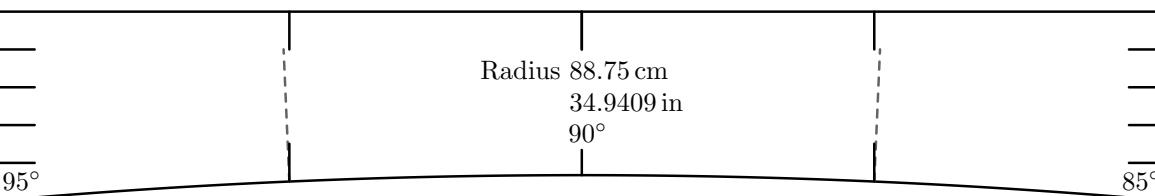
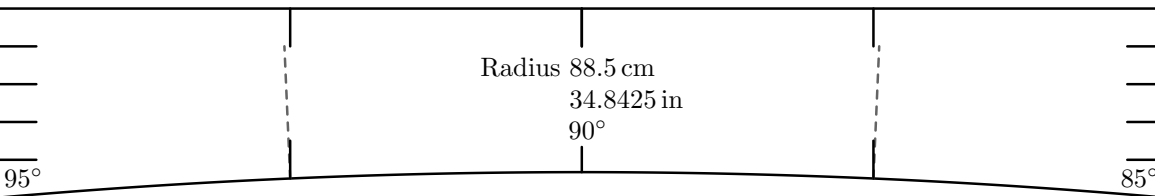
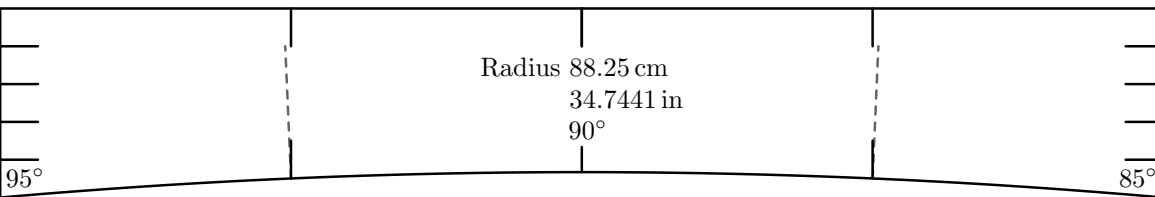
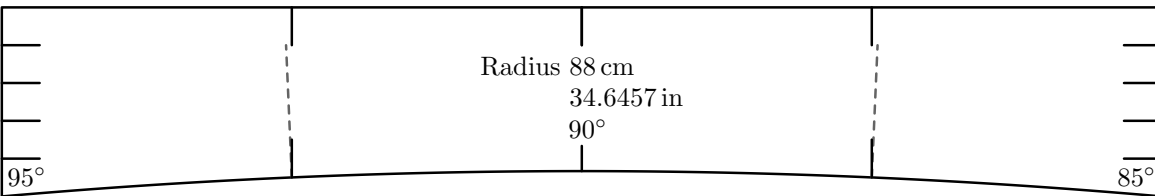
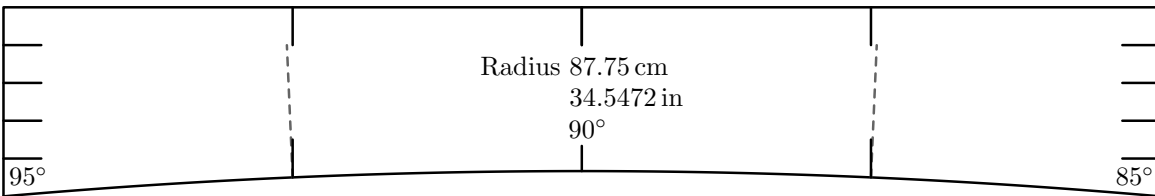
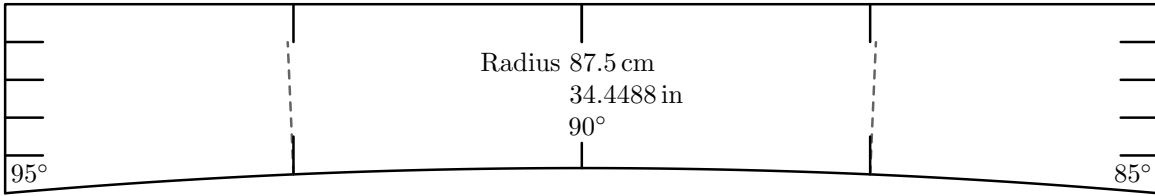
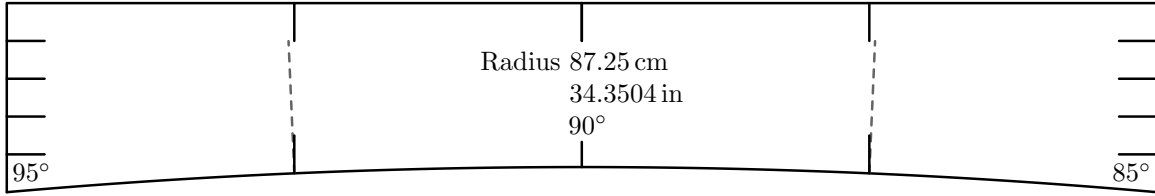
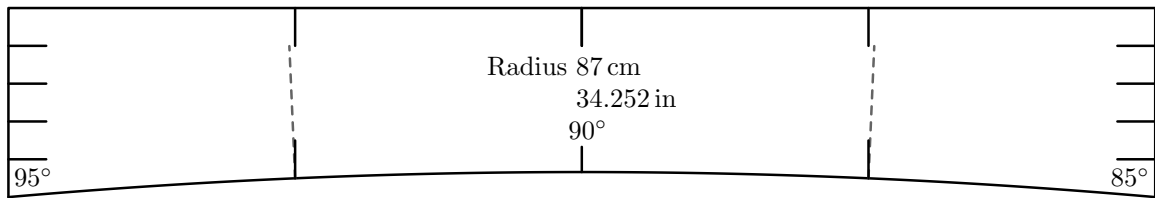


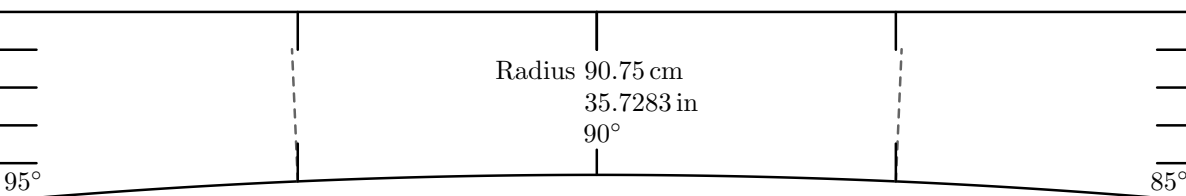
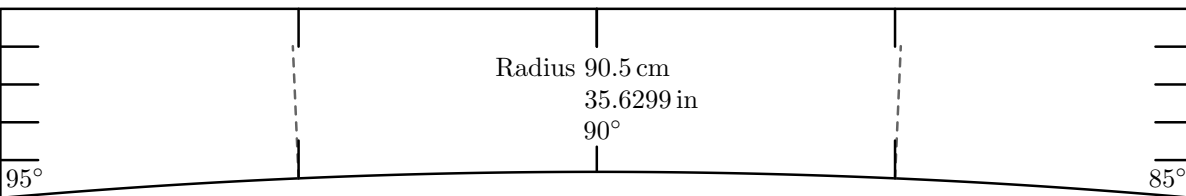
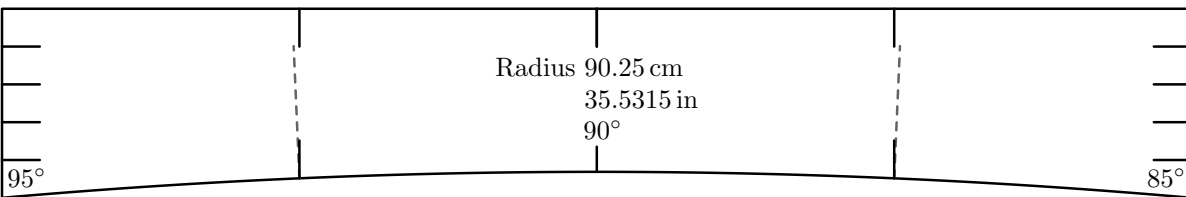
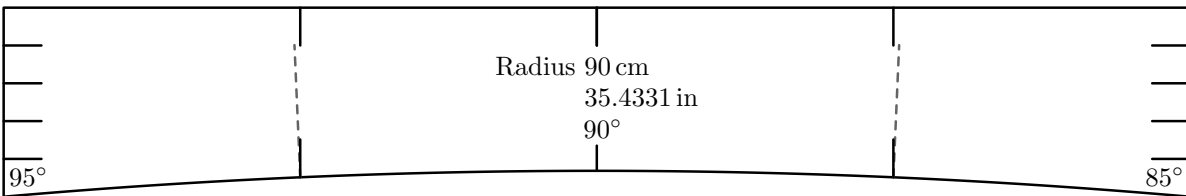
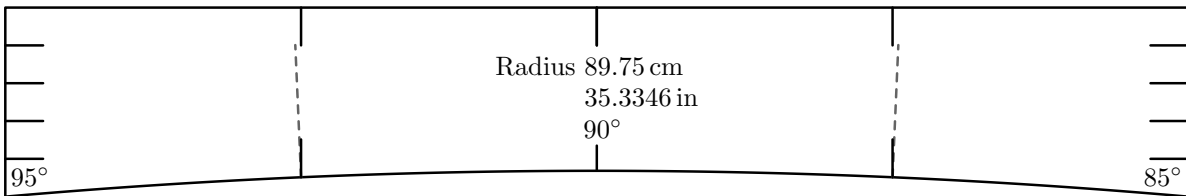
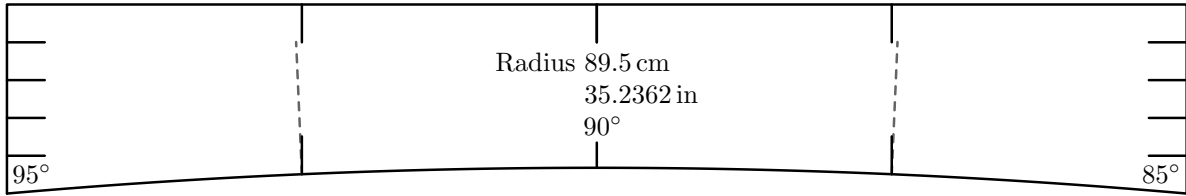
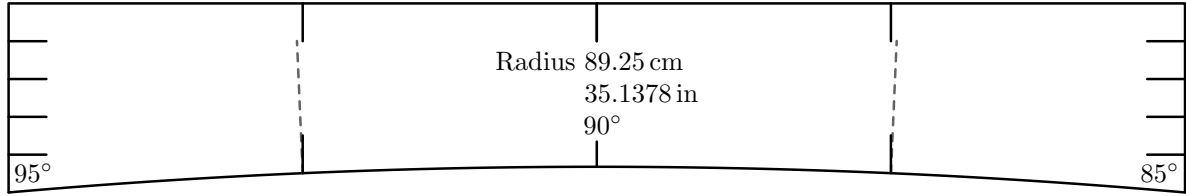
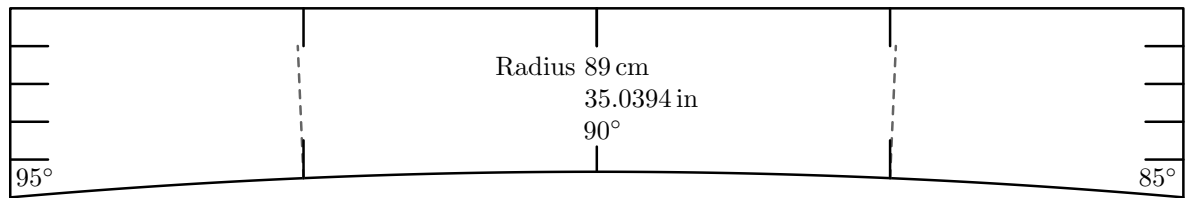


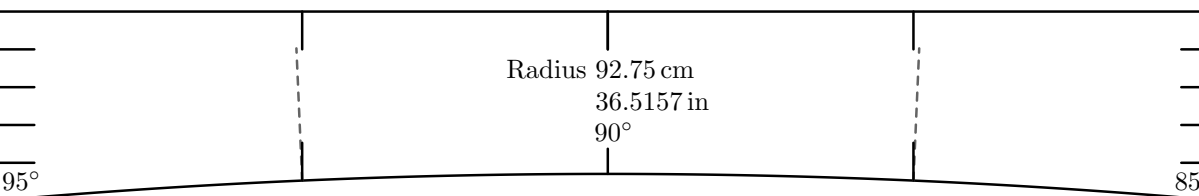
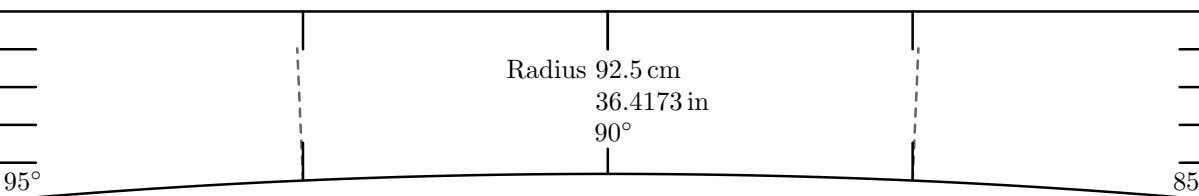
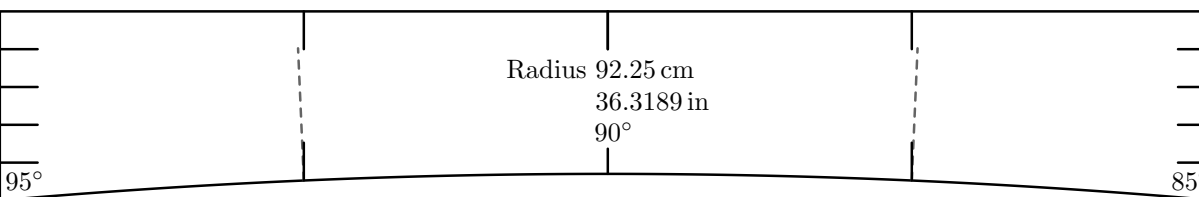
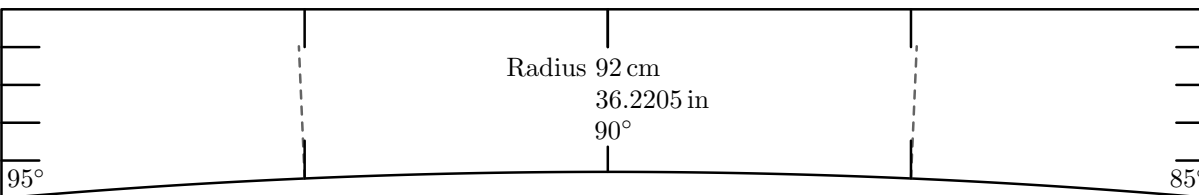
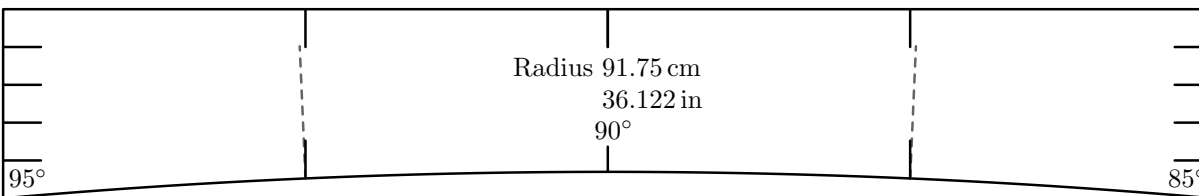
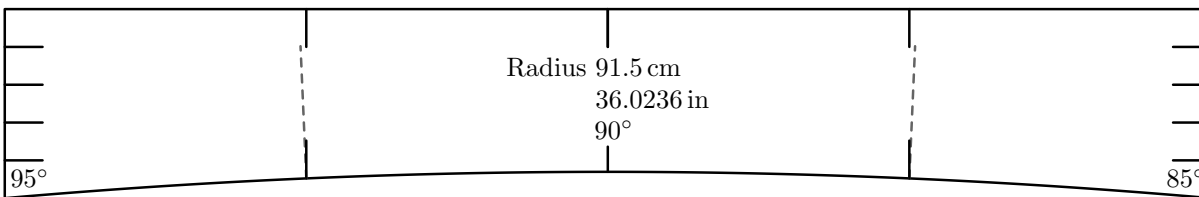
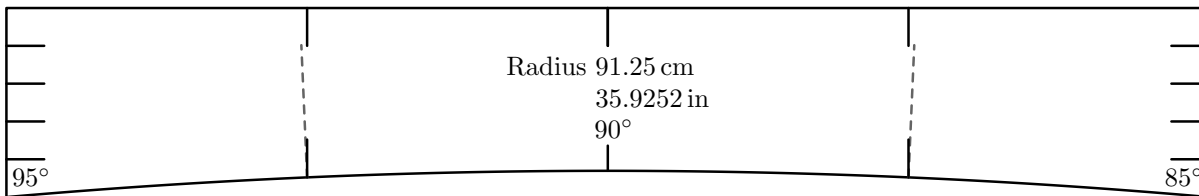
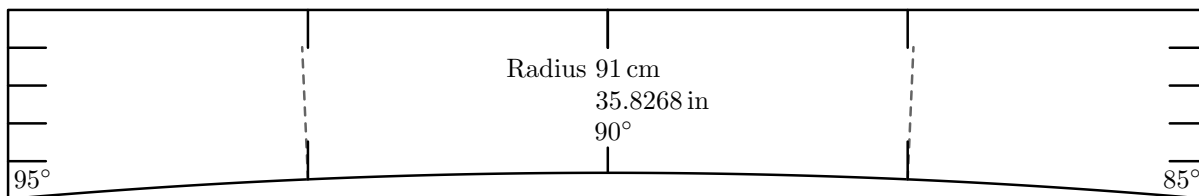


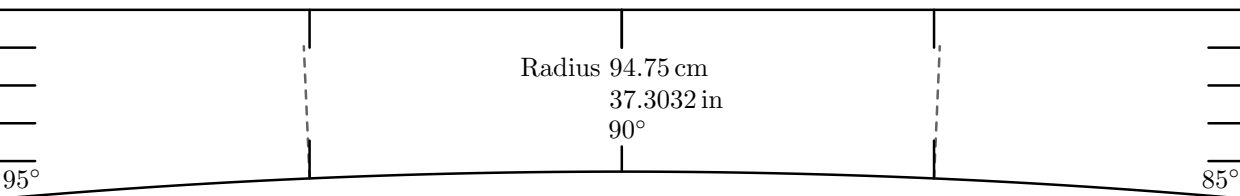
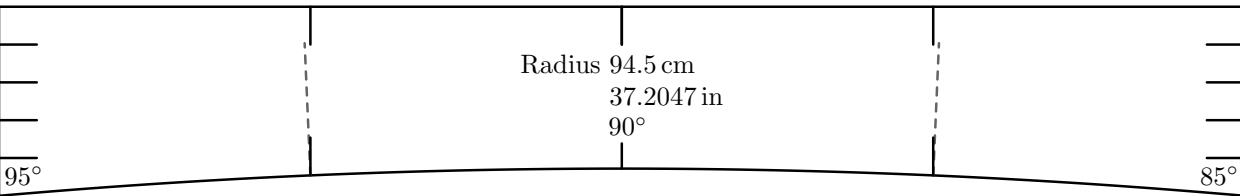
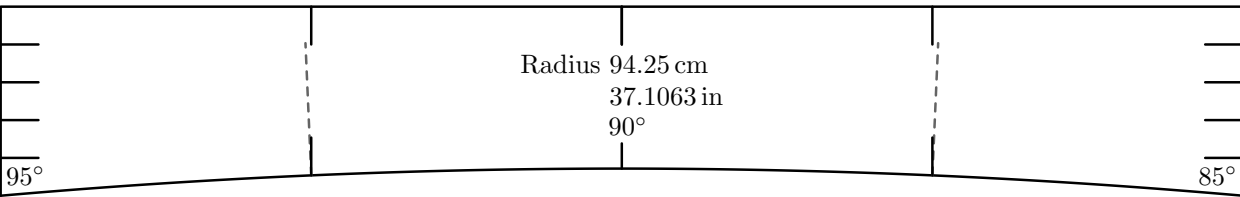
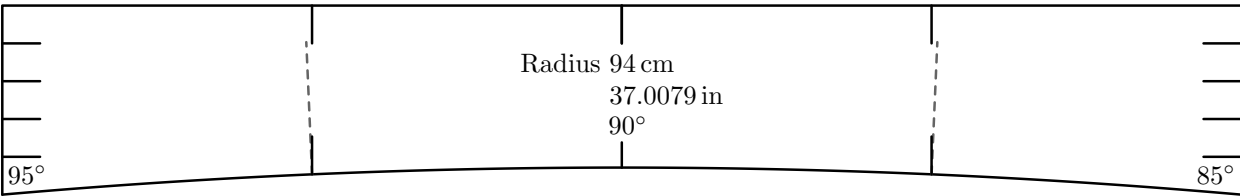
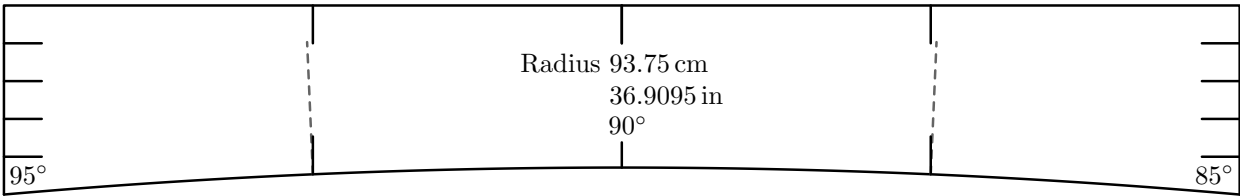
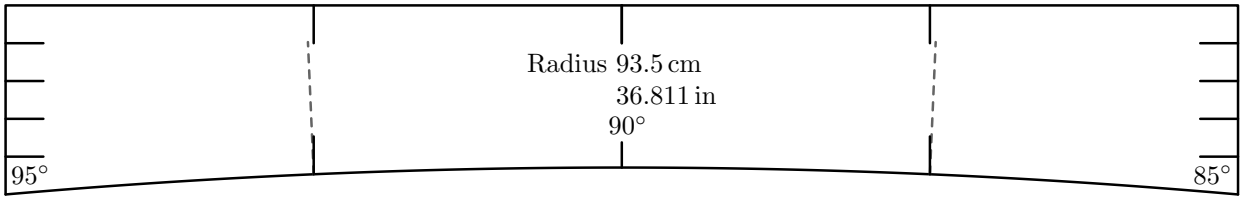
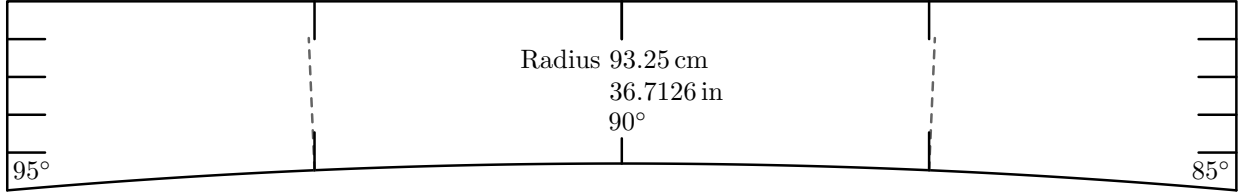
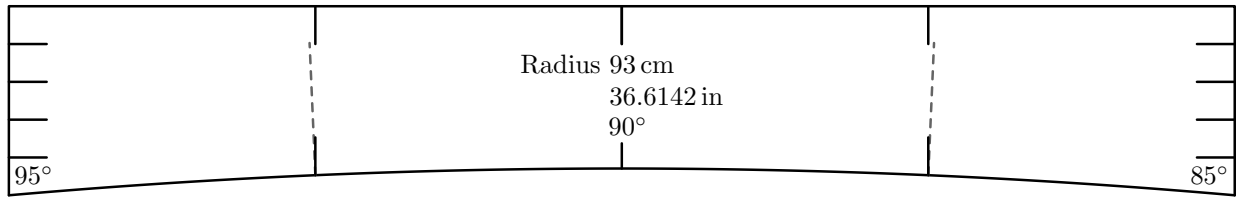




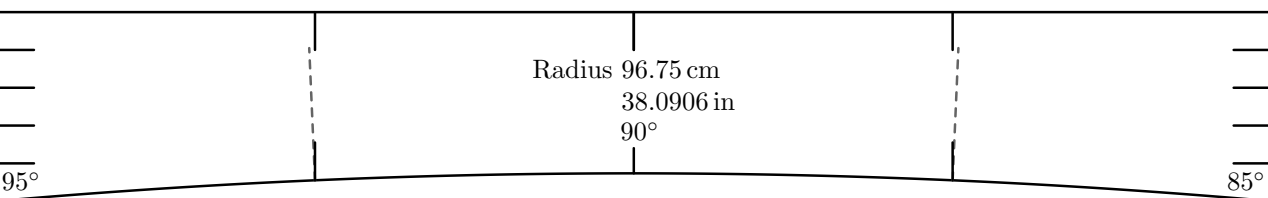
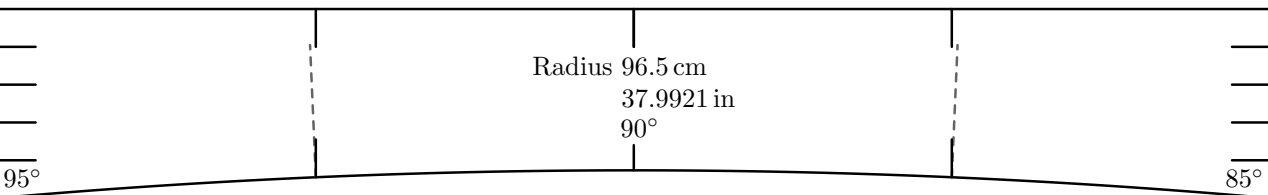
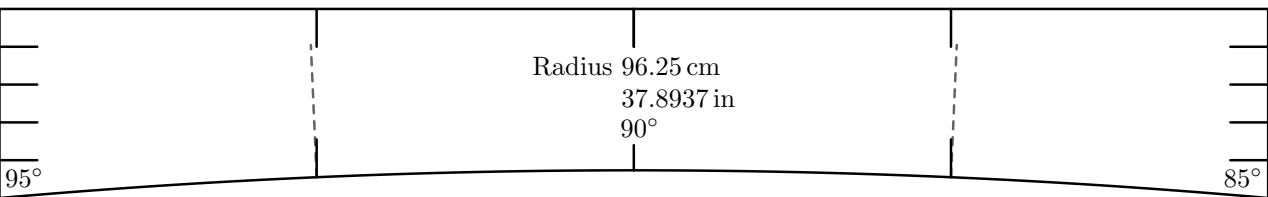
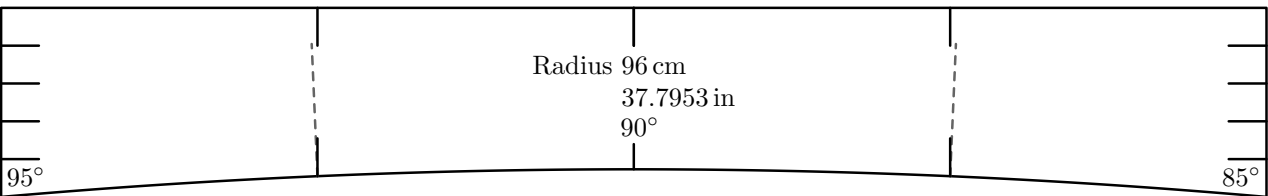
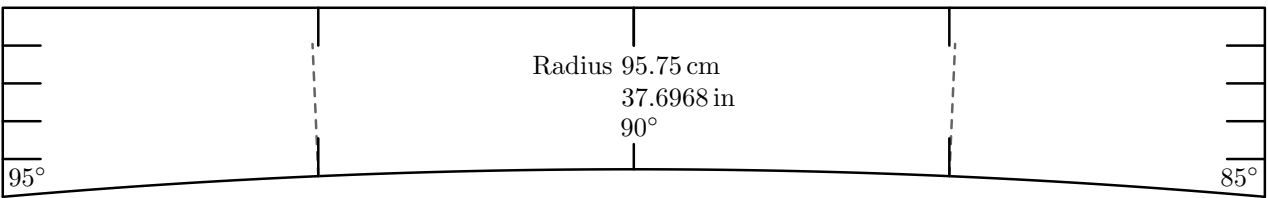
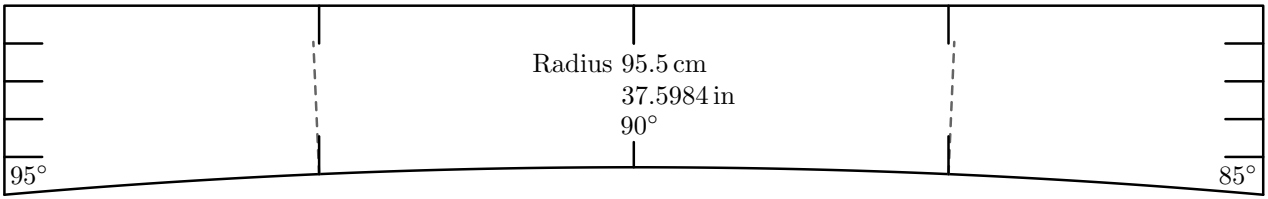
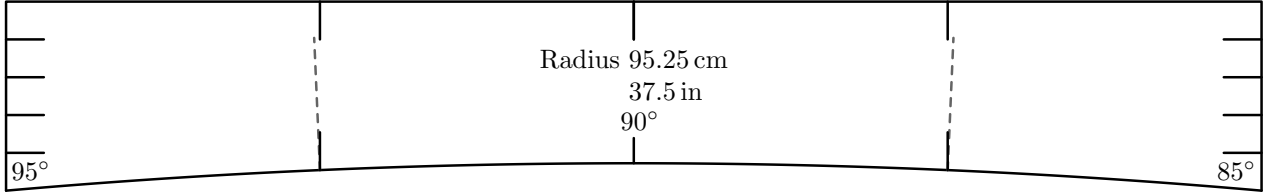
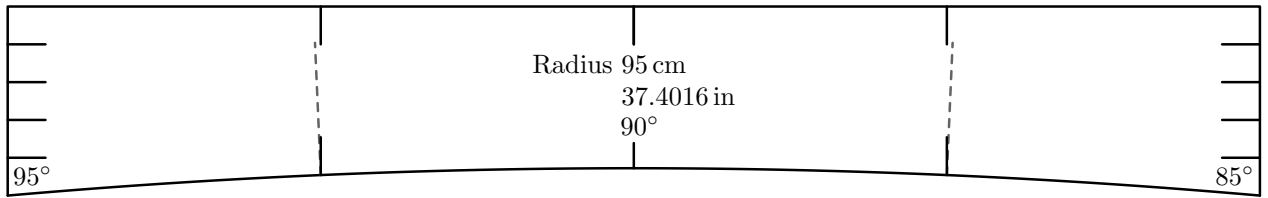


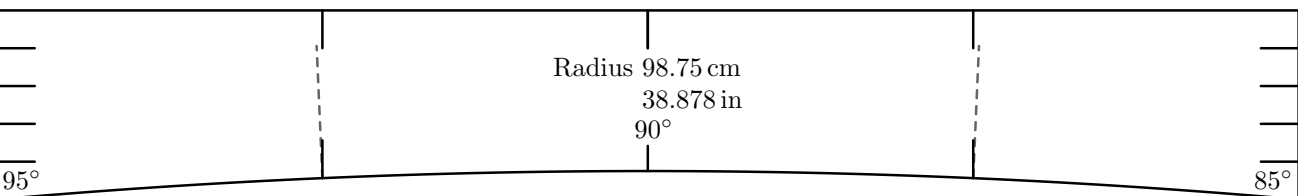
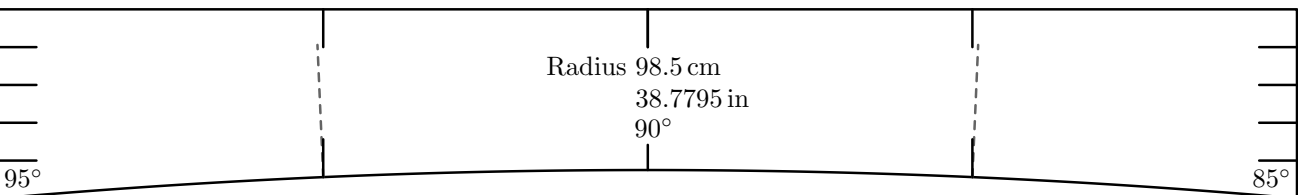
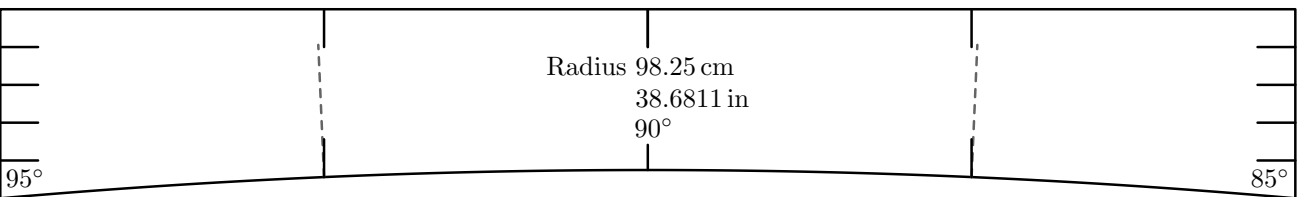
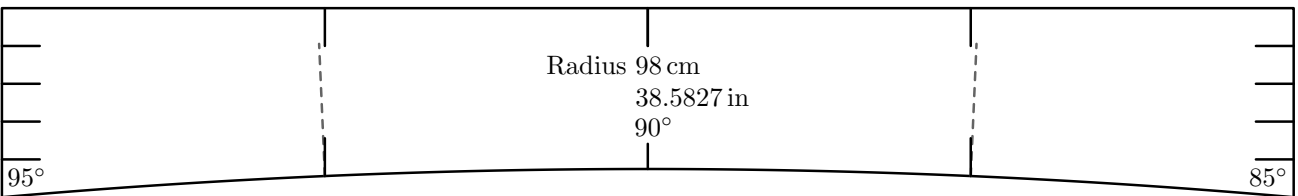
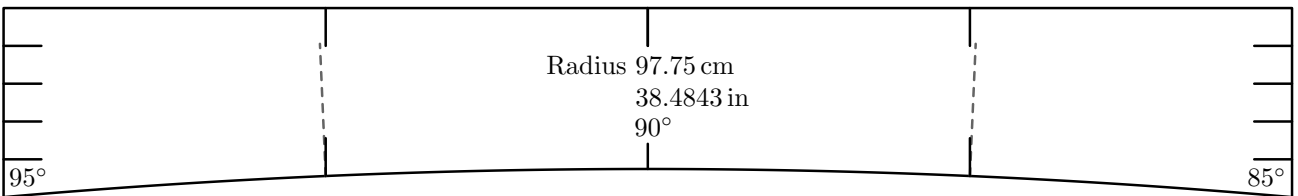
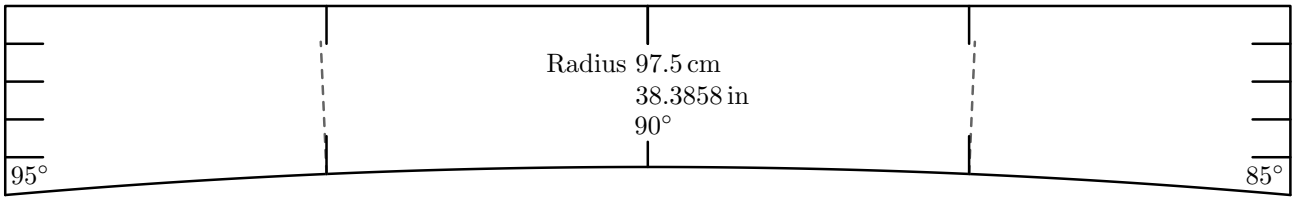
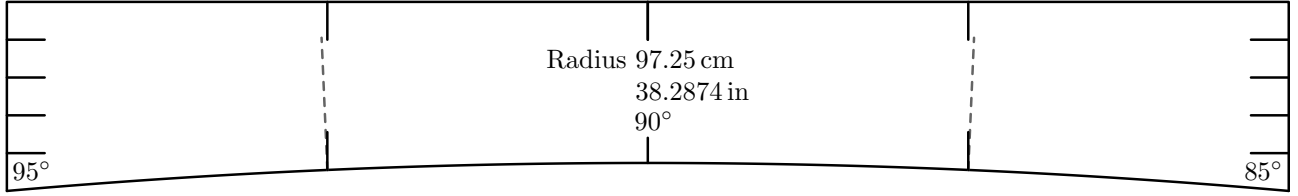
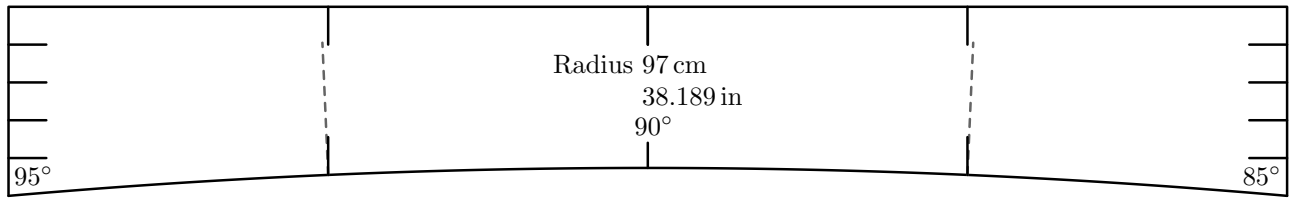


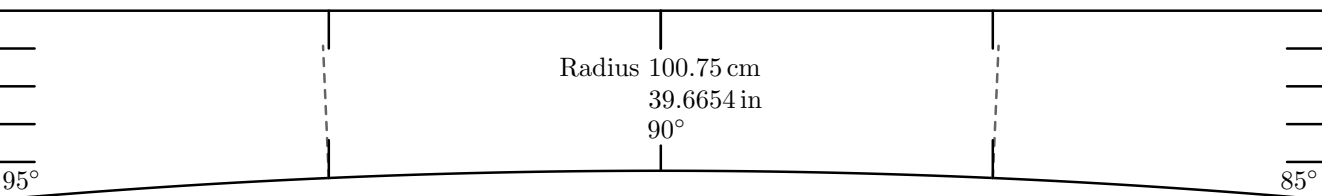
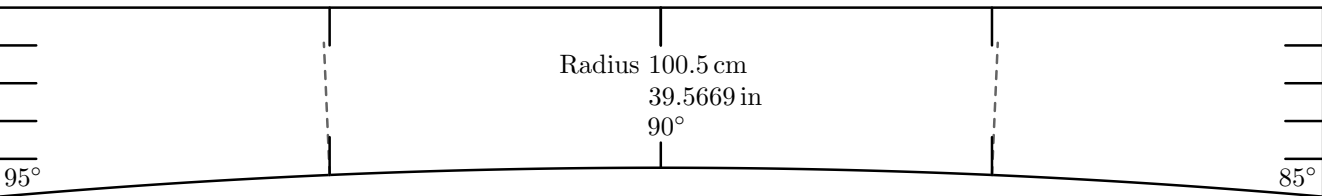
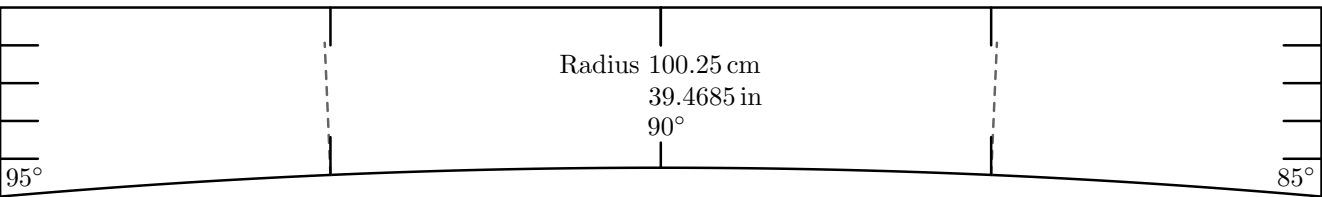
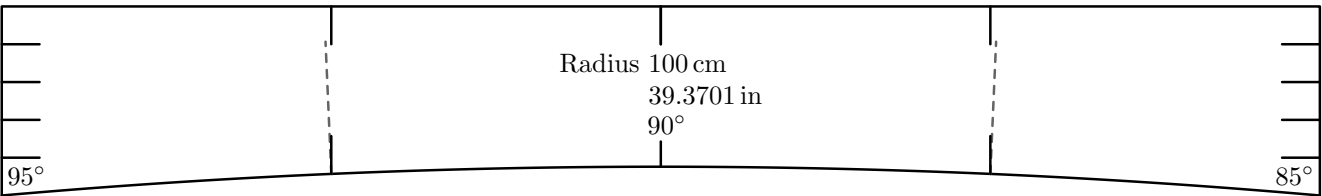
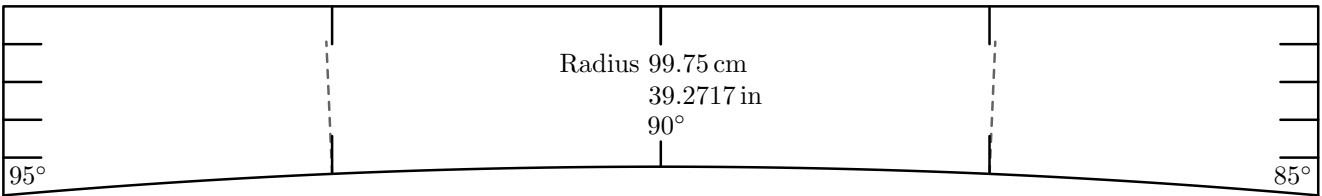
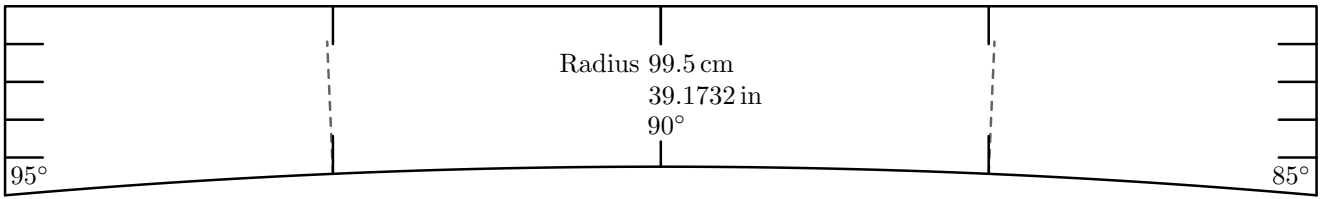
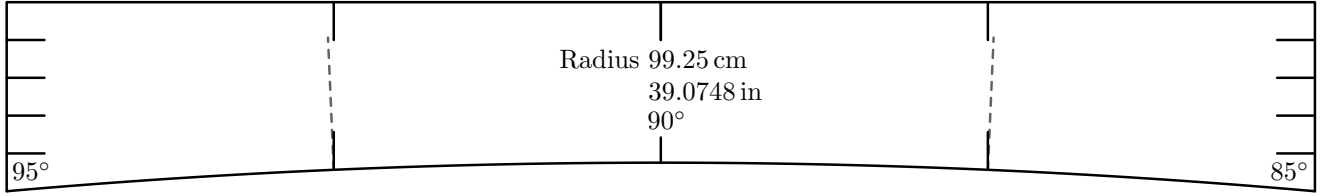
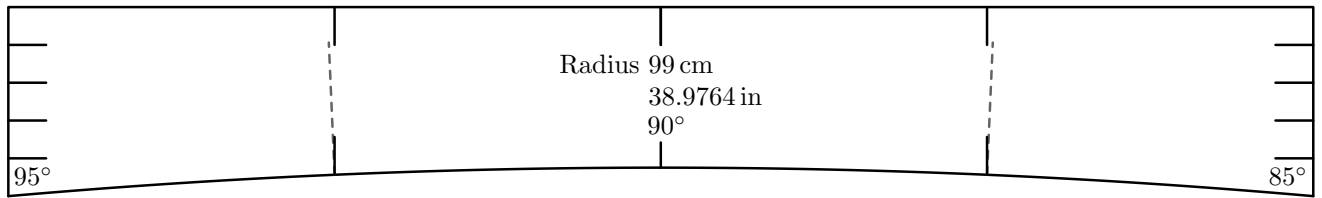


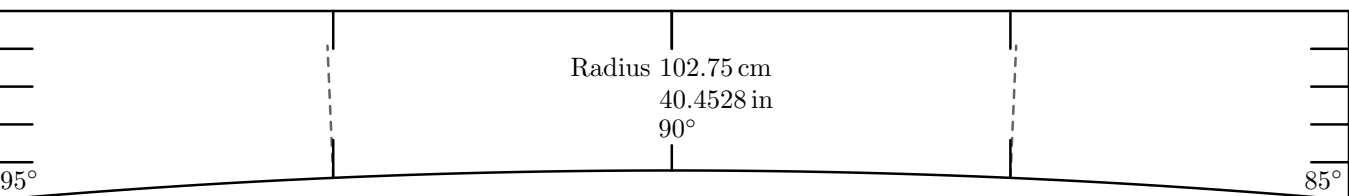
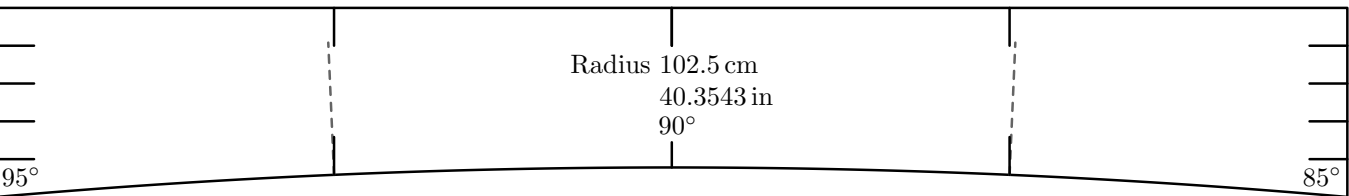
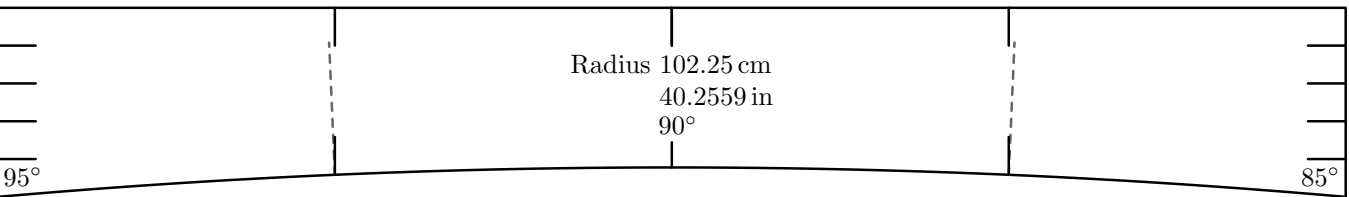
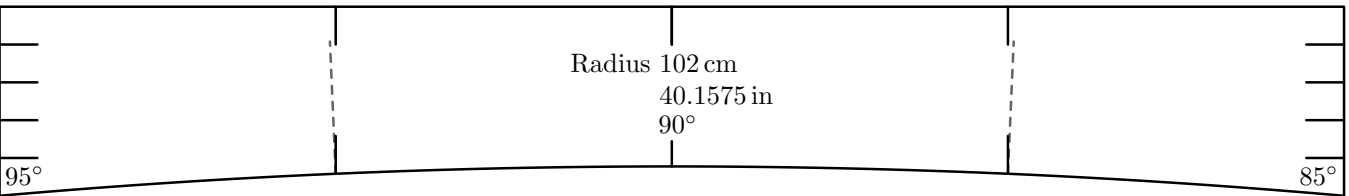
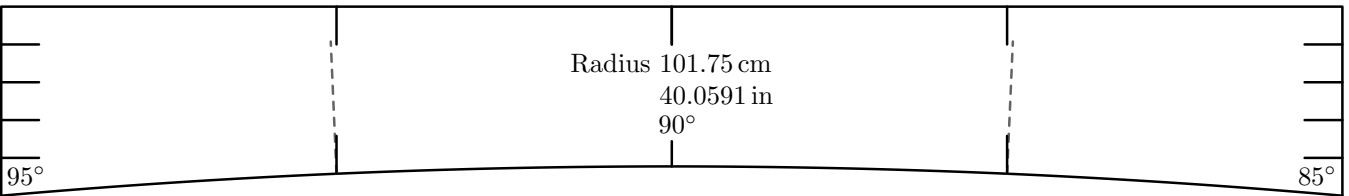
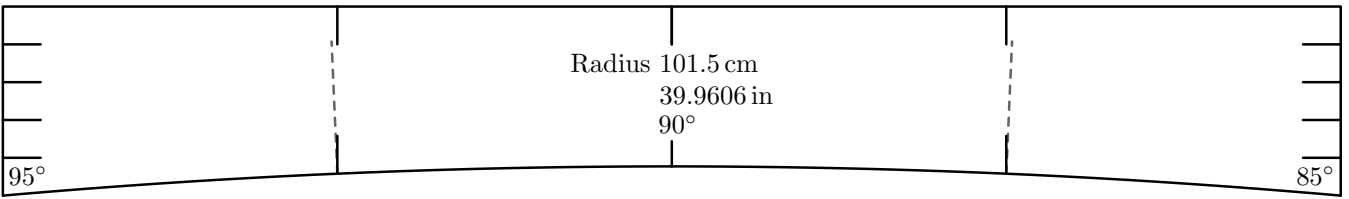
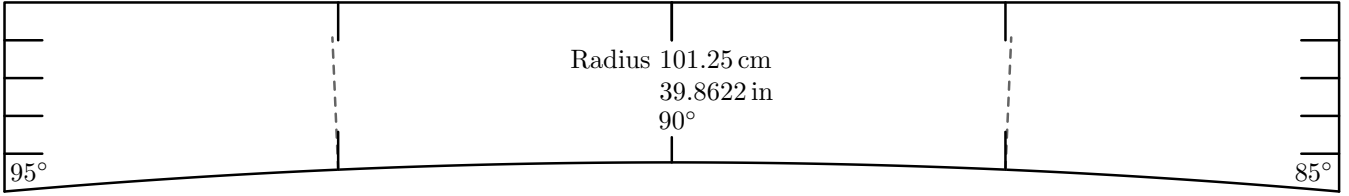
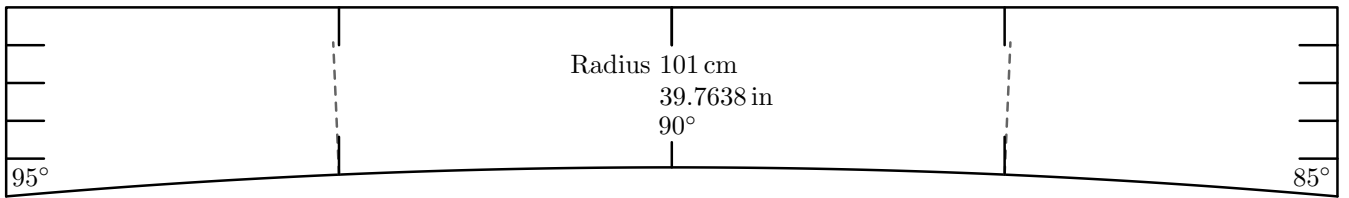




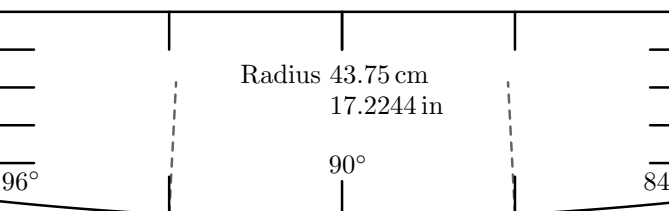
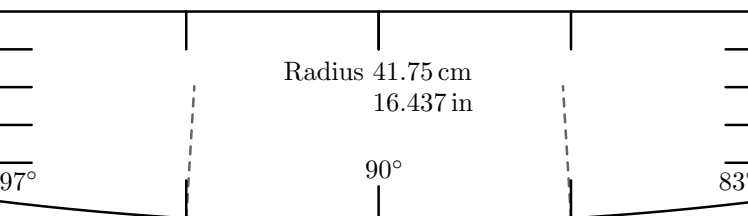
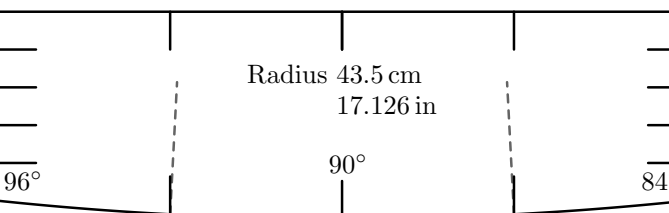
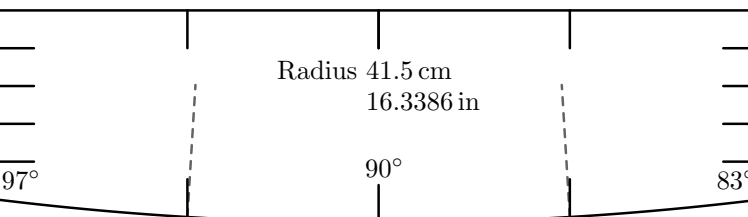
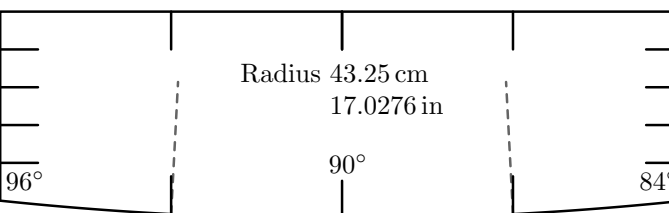
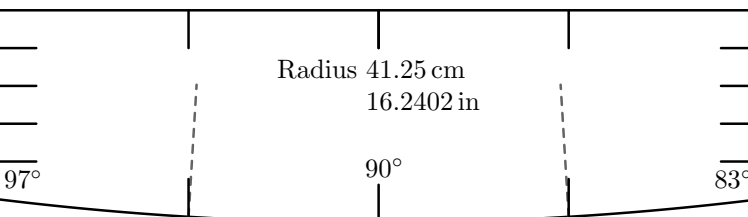
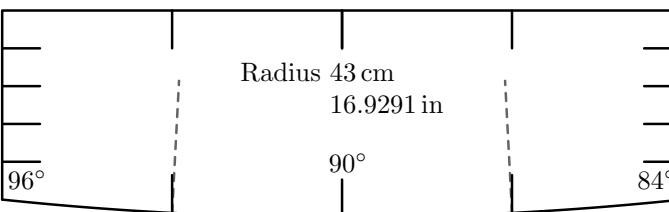
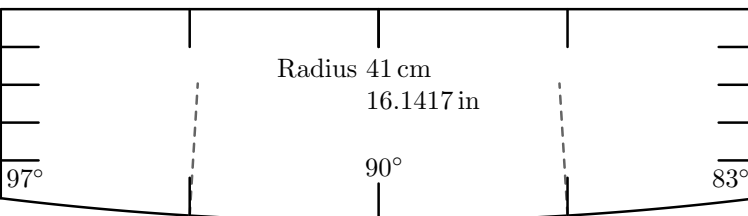
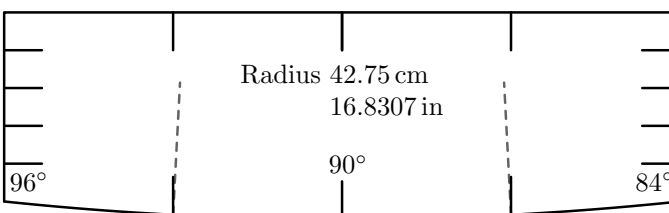
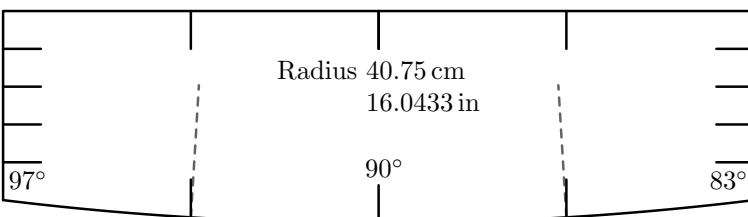
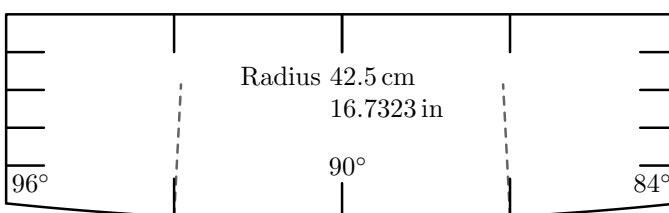
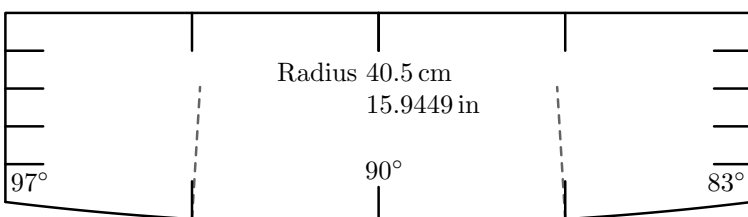
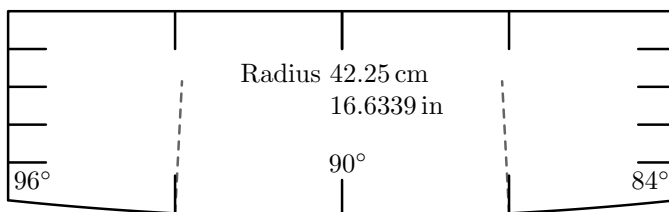
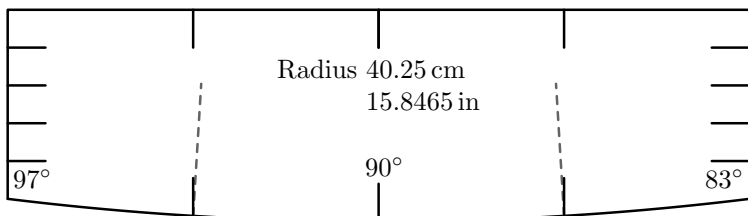
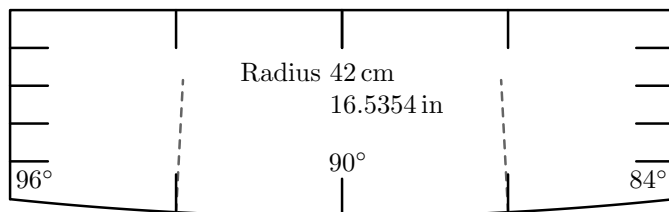
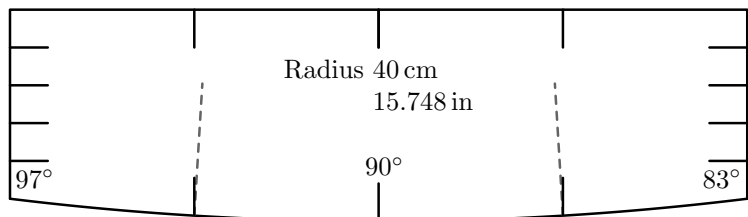


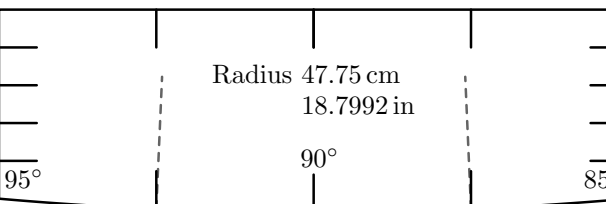
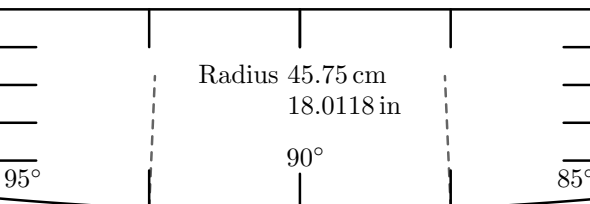
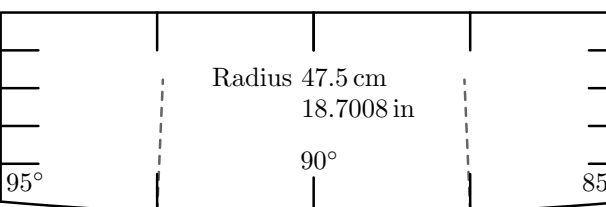
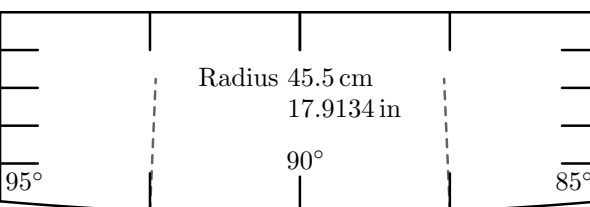
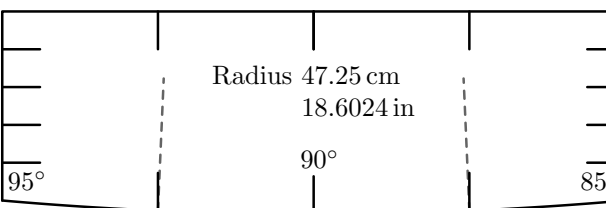
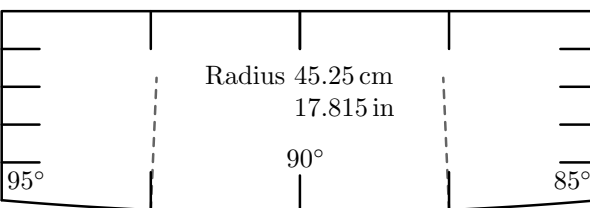
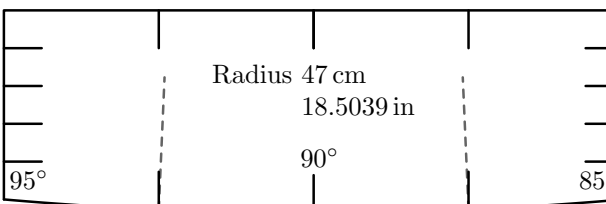
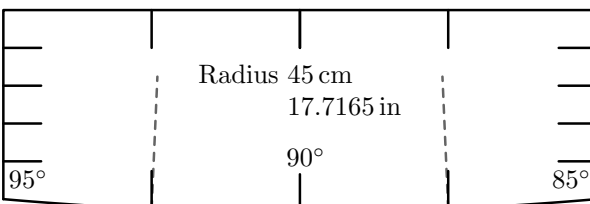
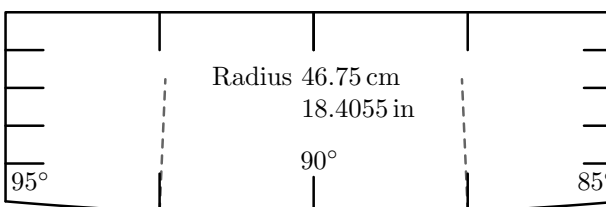
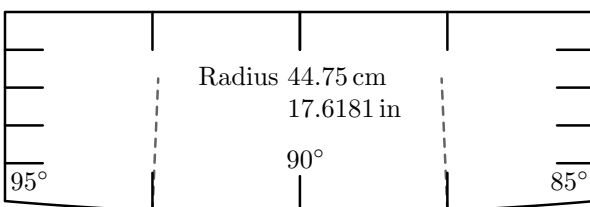
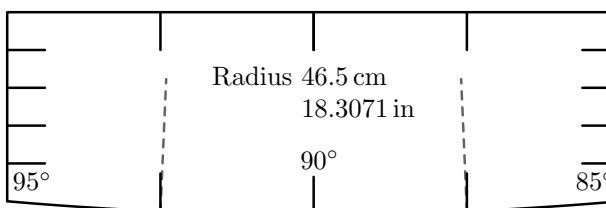
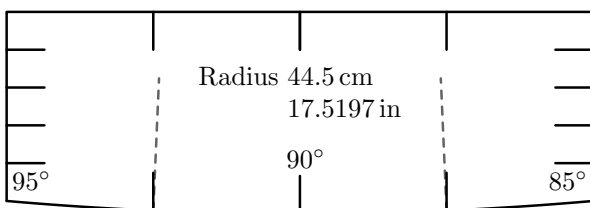
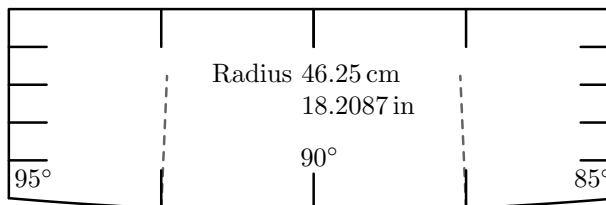
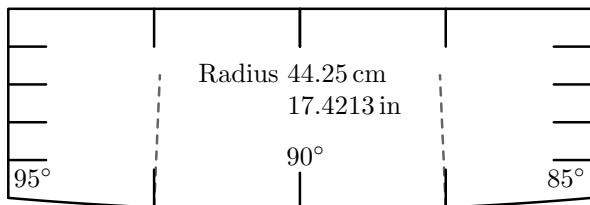
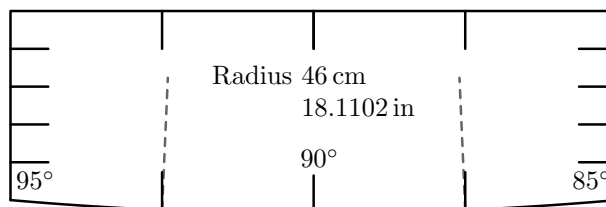
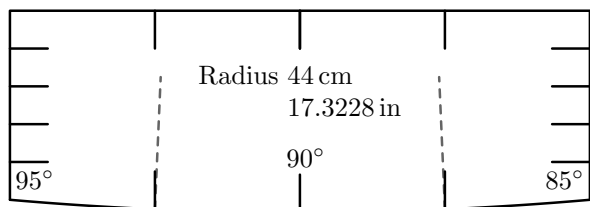


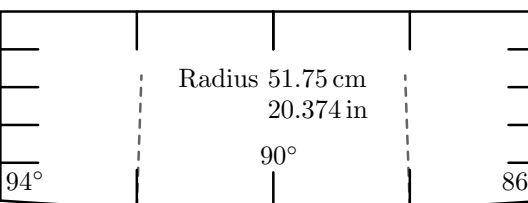
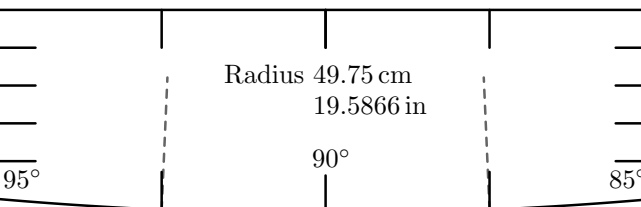
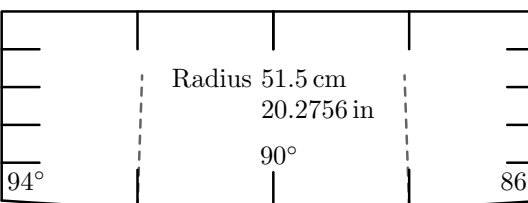
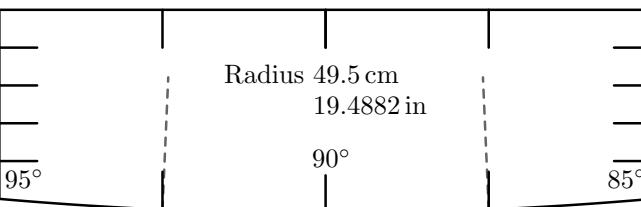
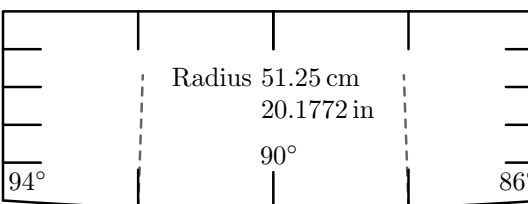
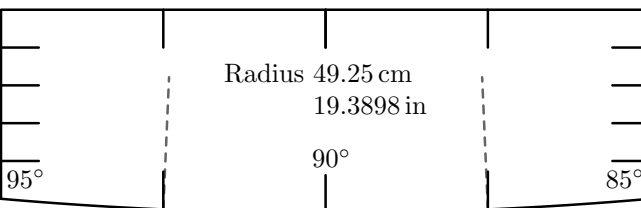
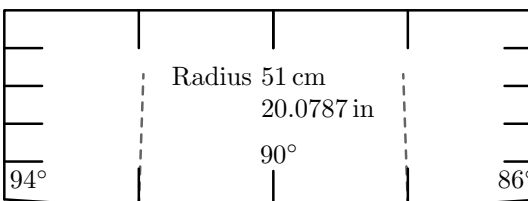
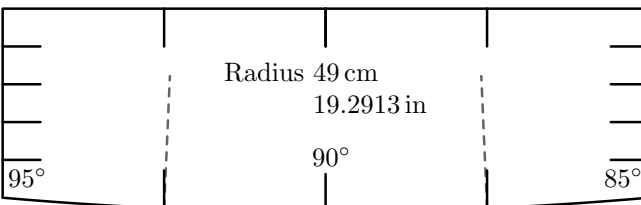
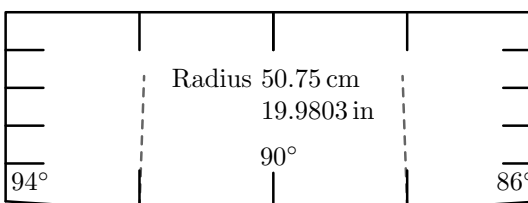
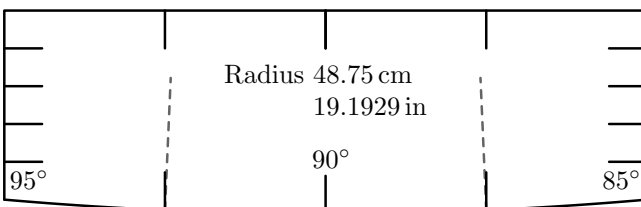
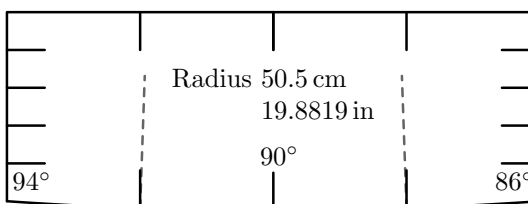
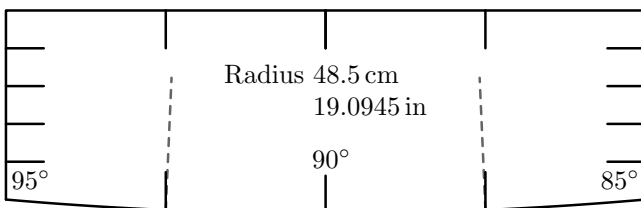
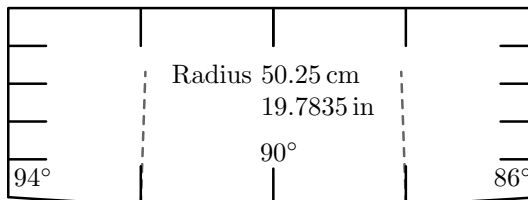
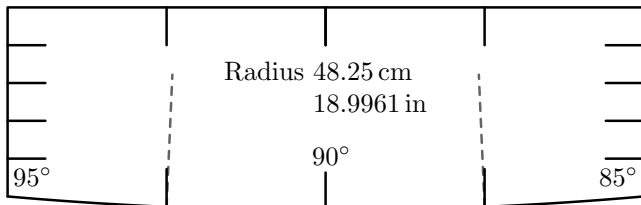
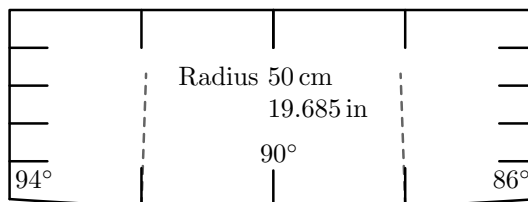
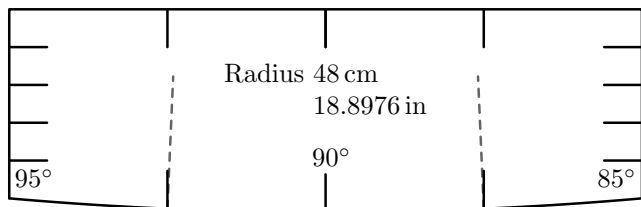


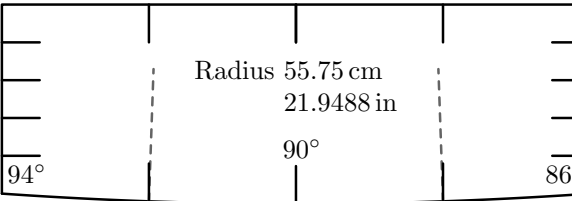
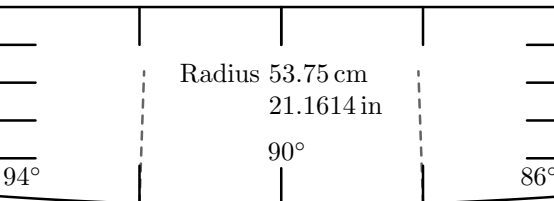
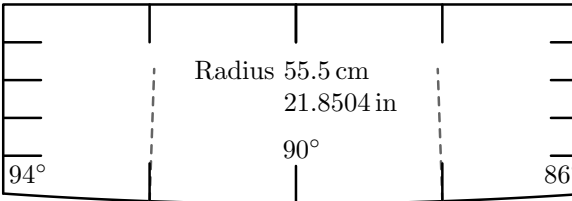
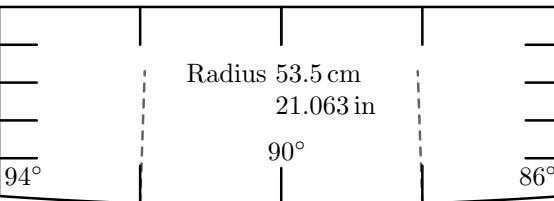
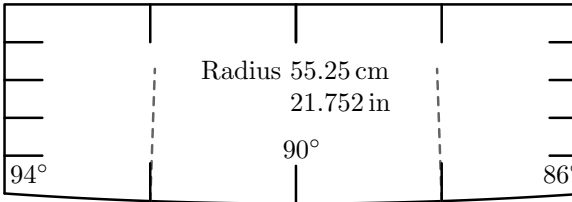
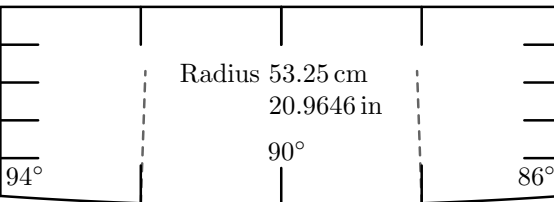
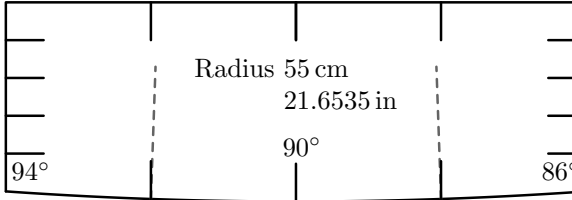
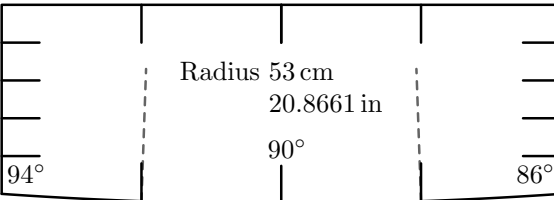
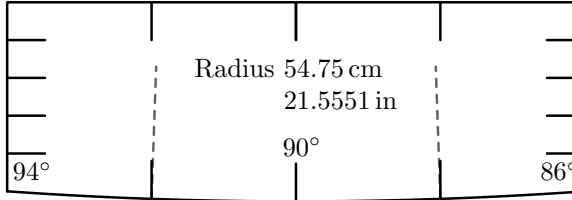
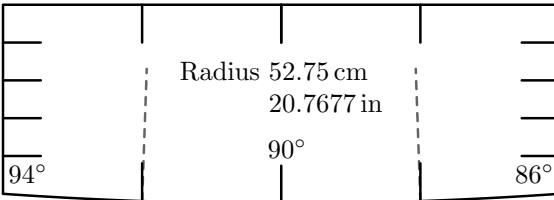
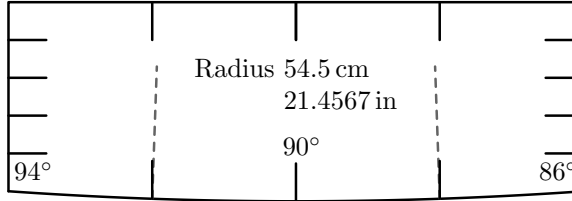
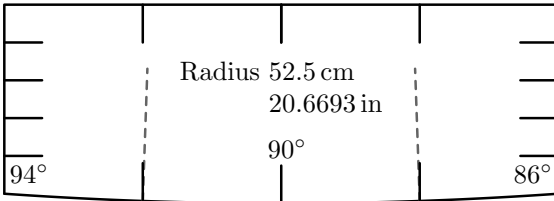
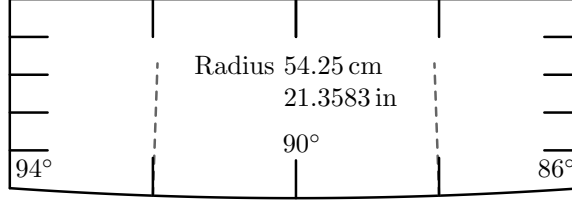
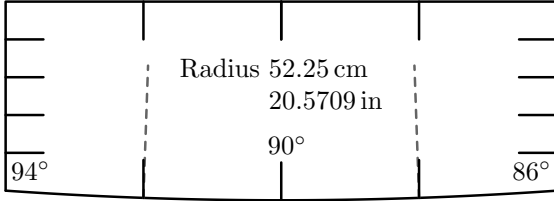
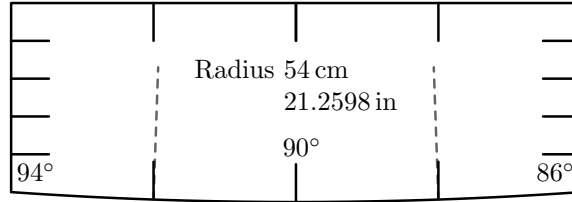
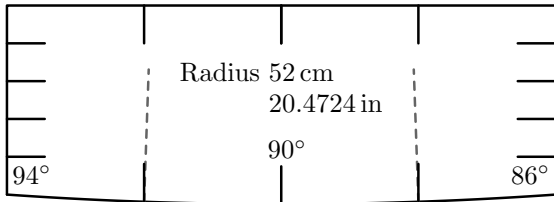


**Convex**  
**Section 1**

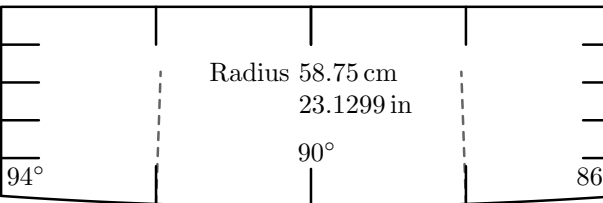
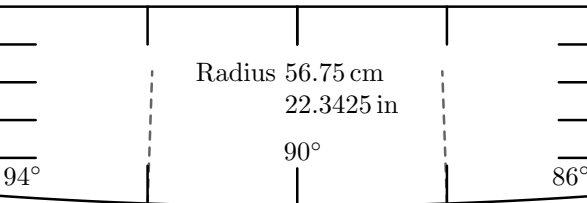
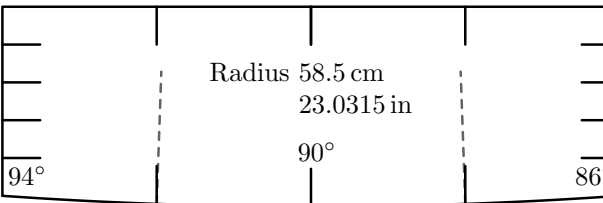
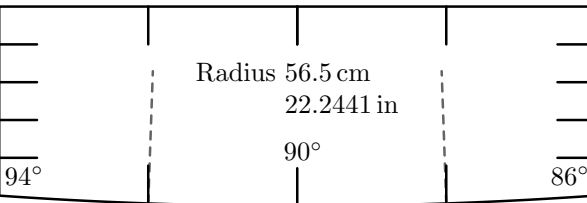
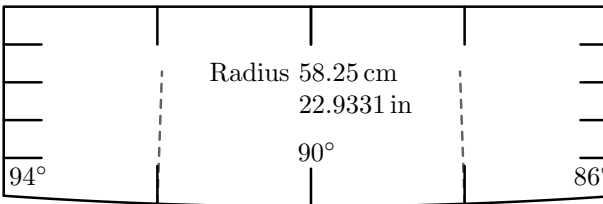
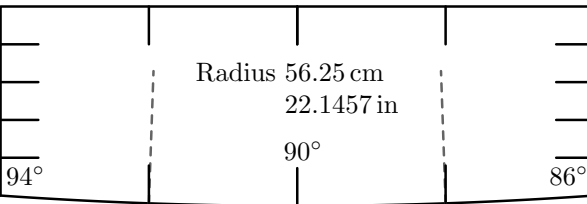
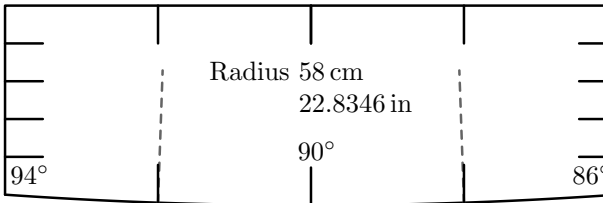
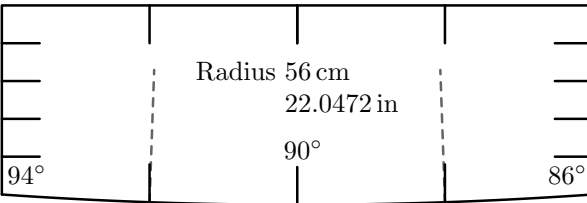
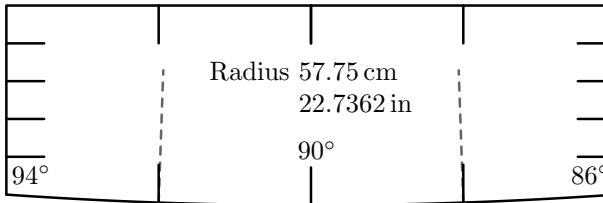
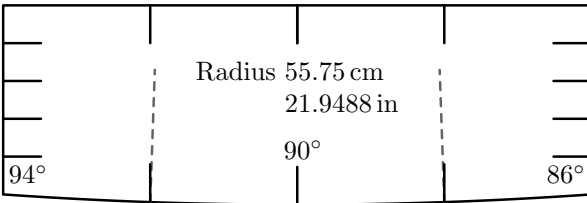
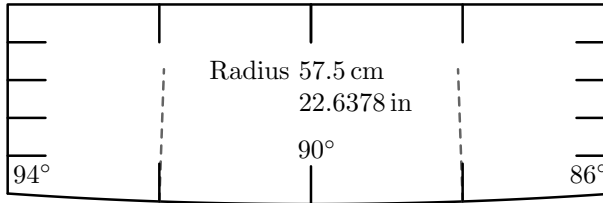
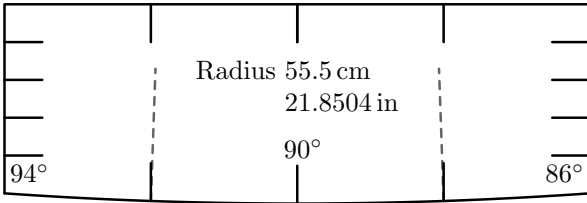
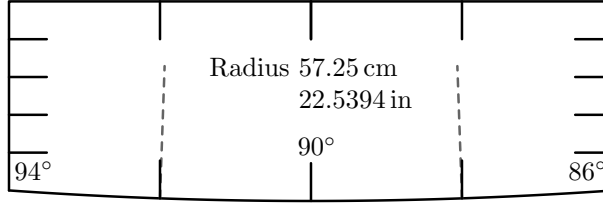
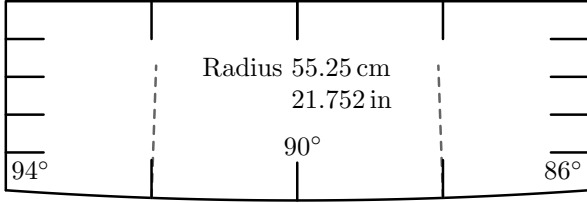
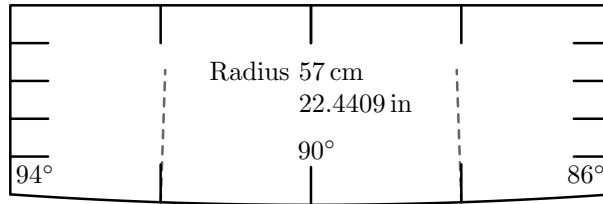
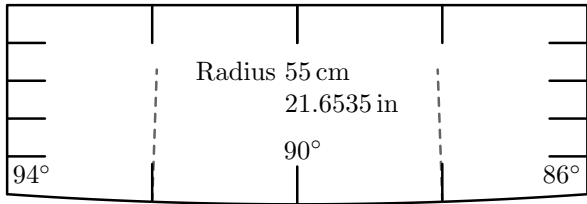


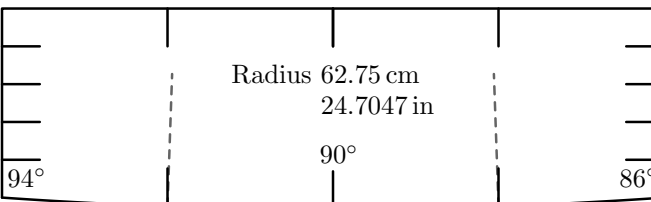
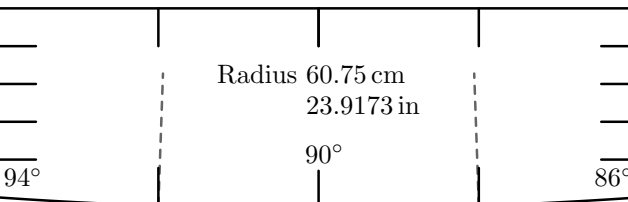
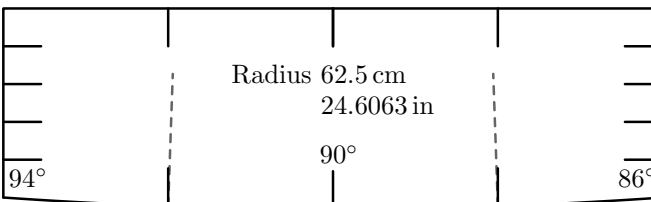
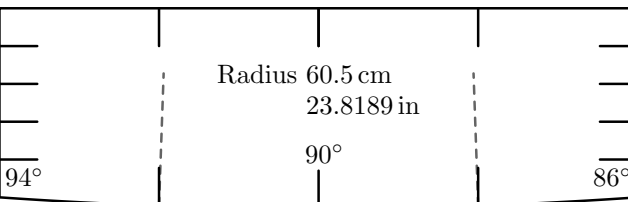
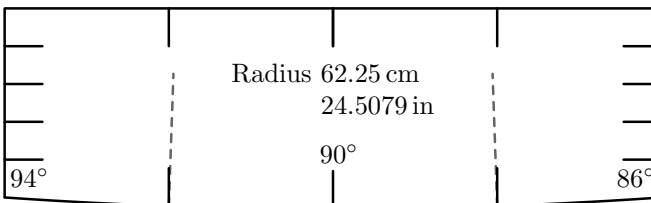
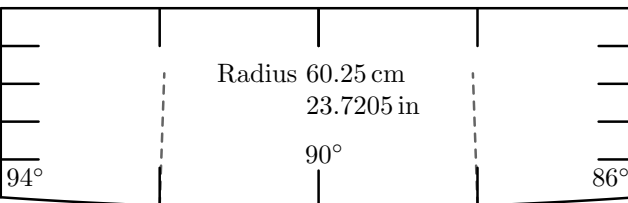
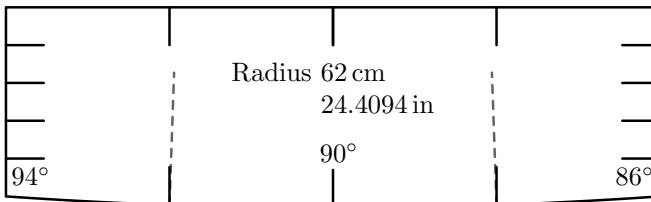
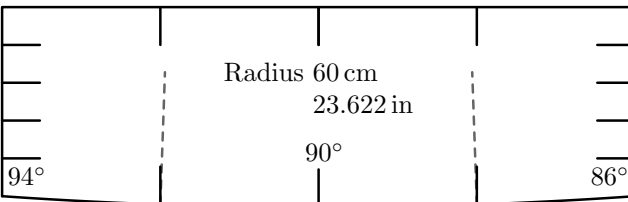
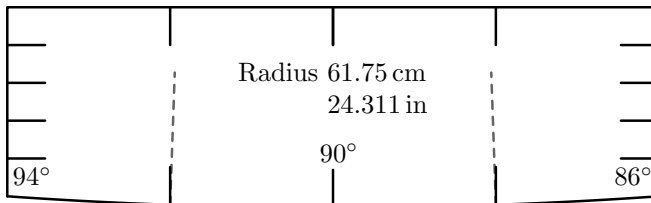
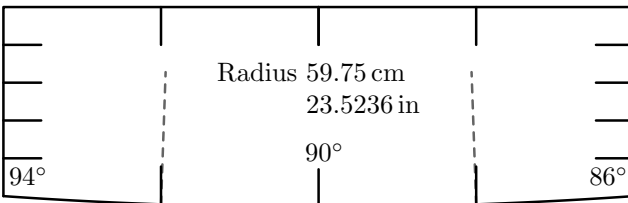
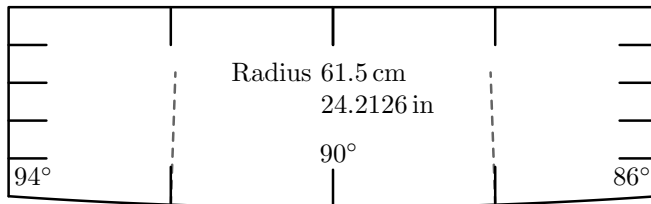
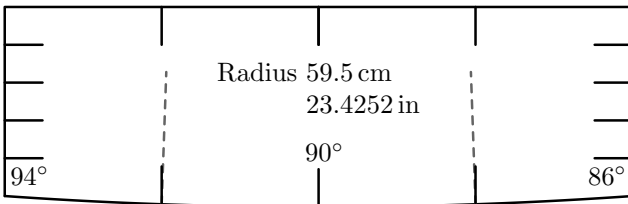
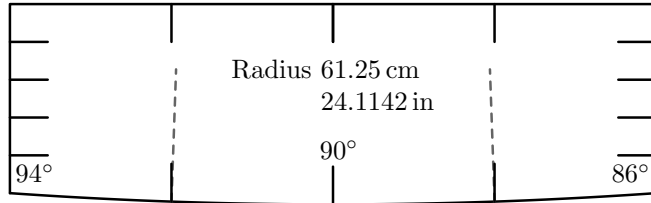
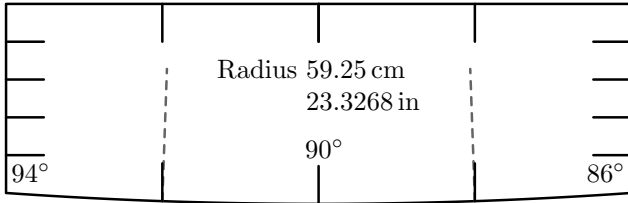
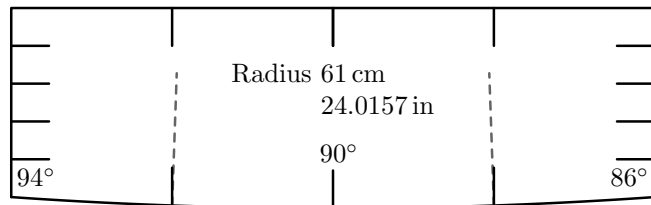
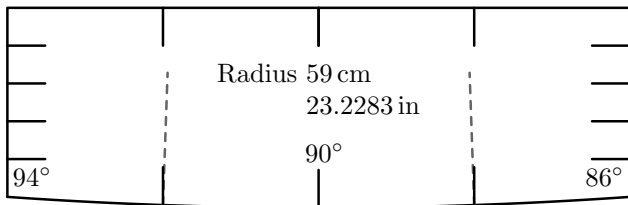


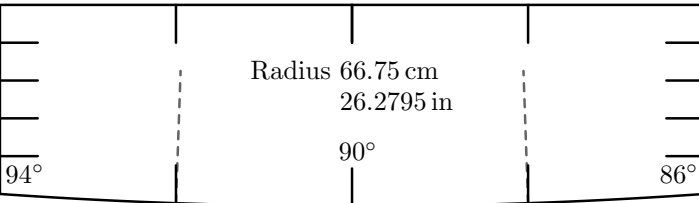
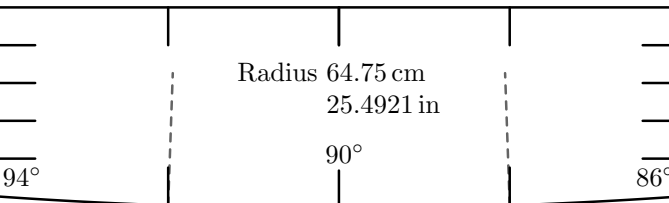
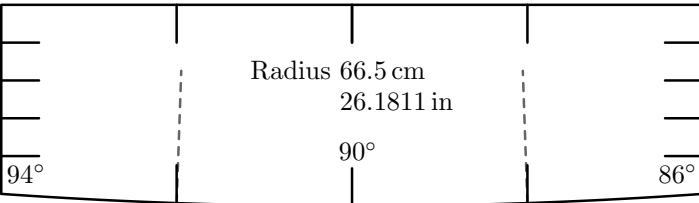
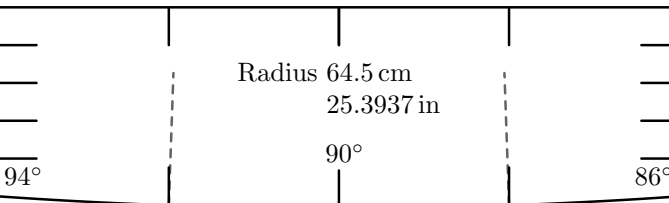
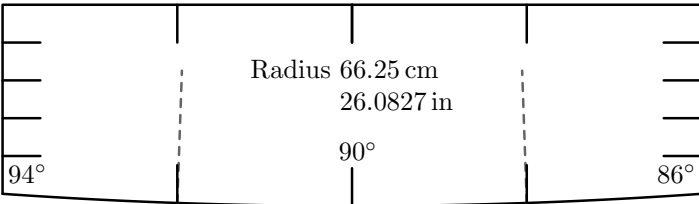
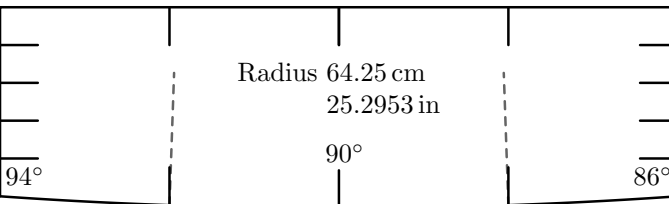
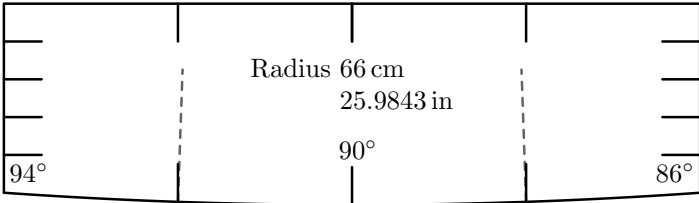
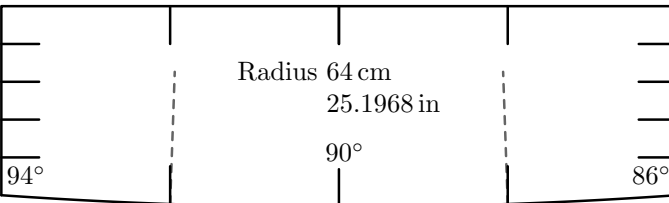
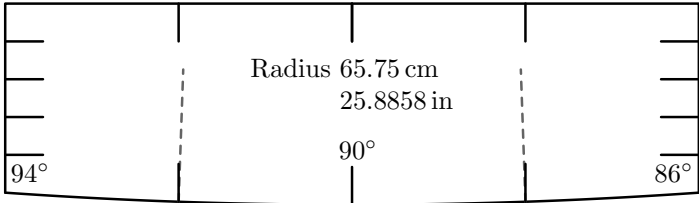
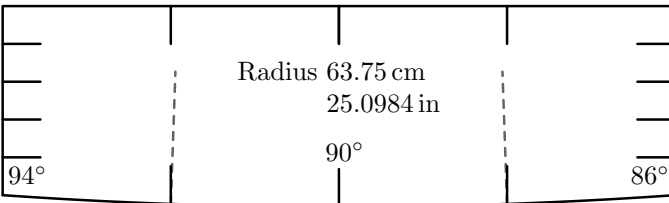
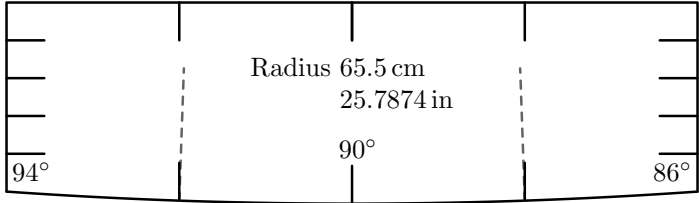
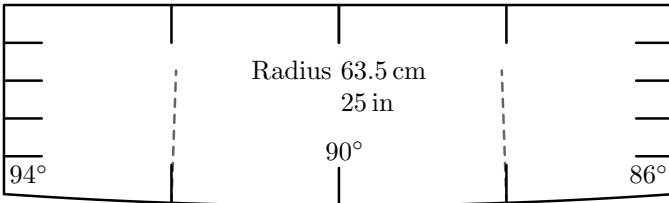
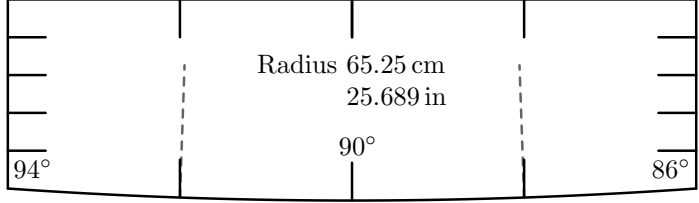
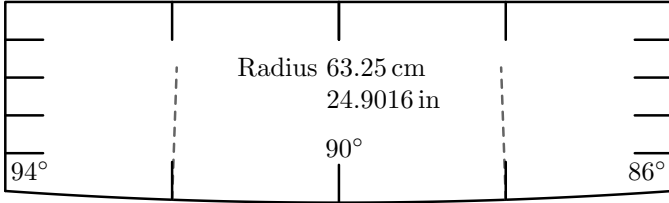
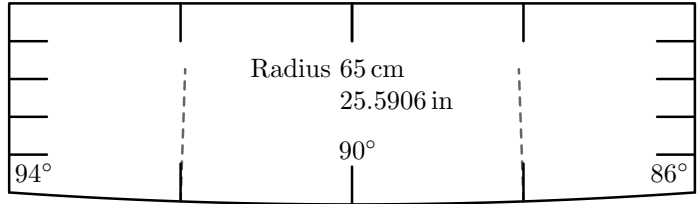
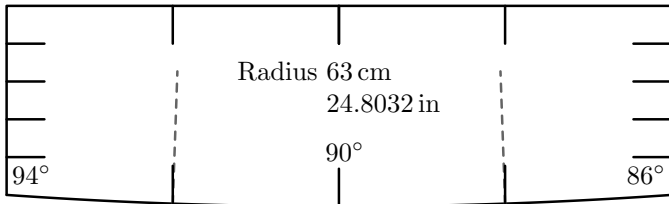


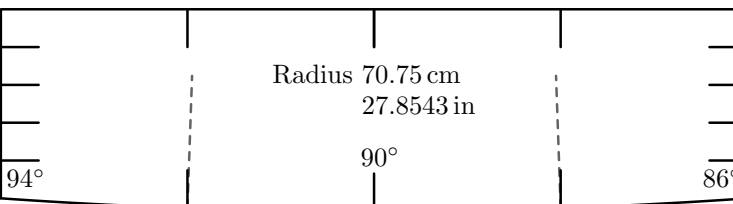
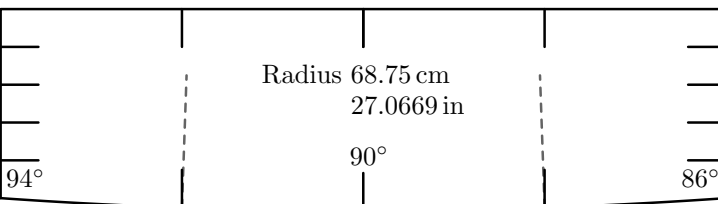
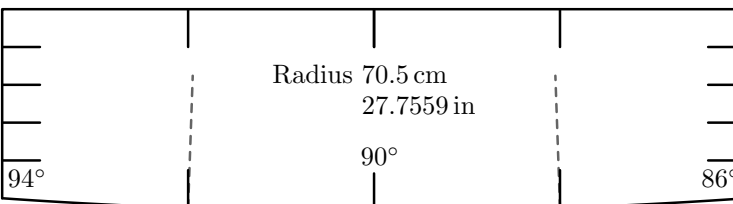
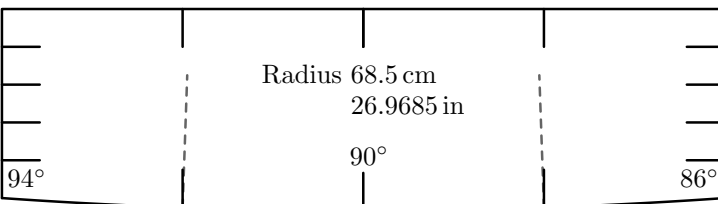
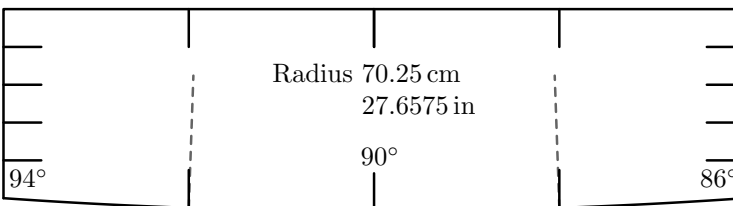
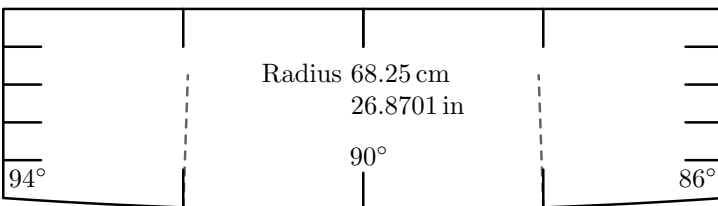
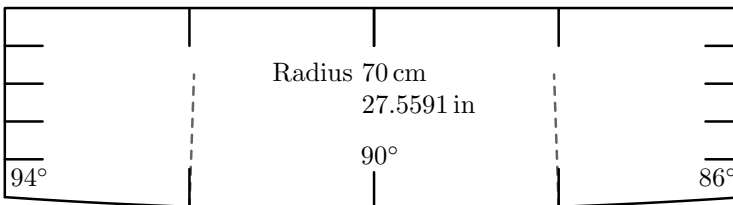
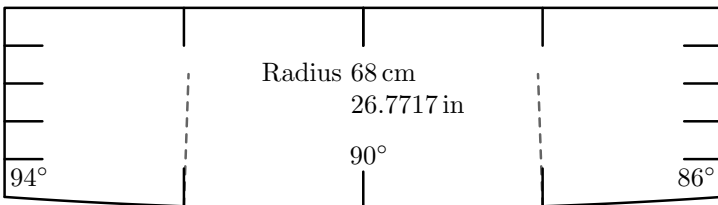
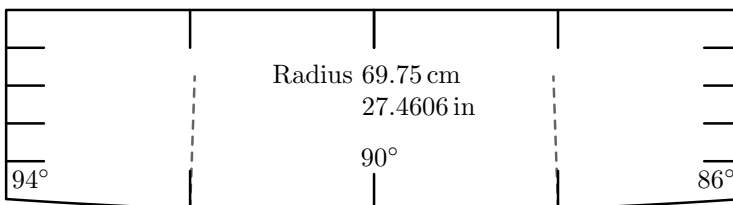
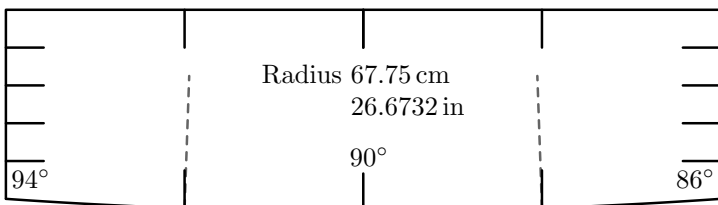
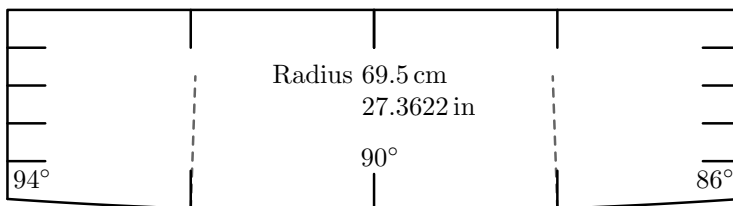
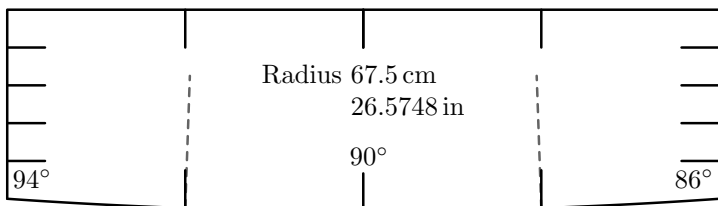
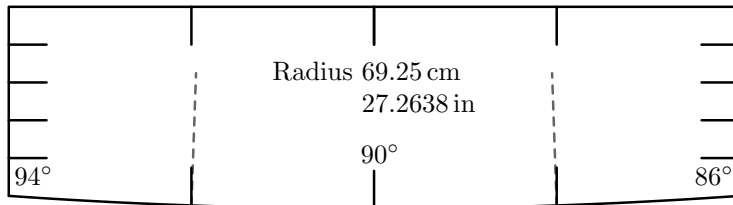
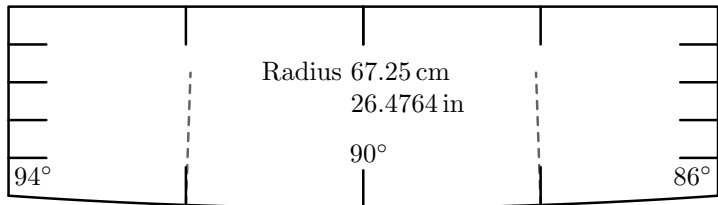
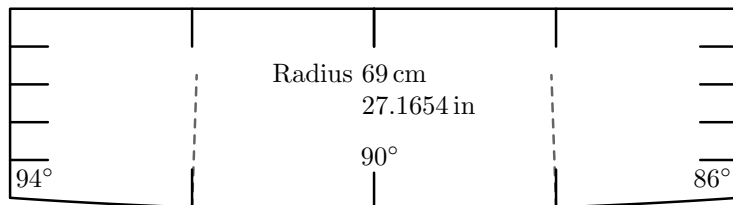
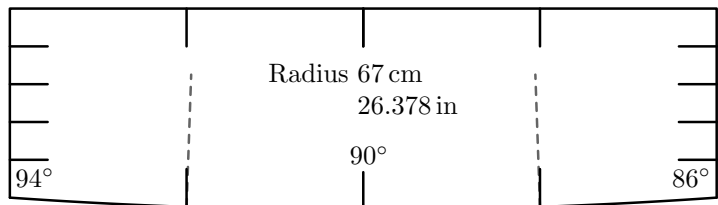


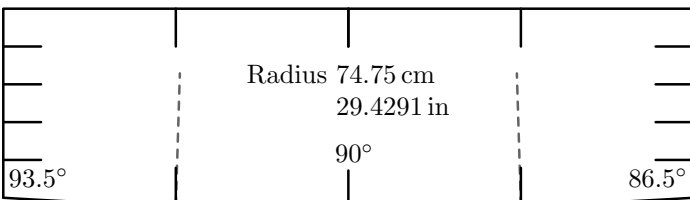
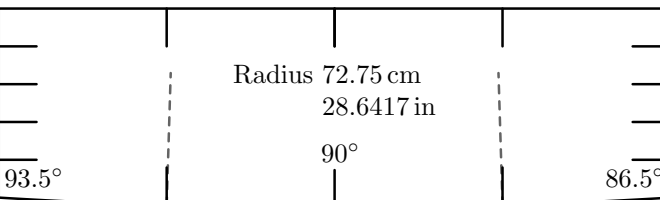
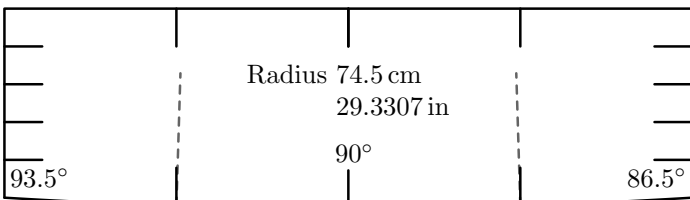
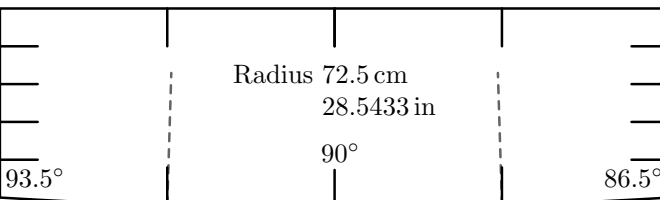
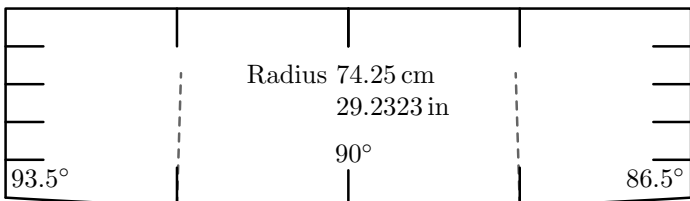
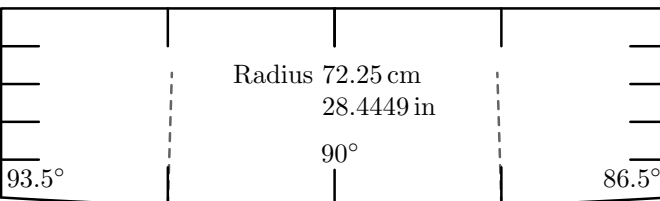
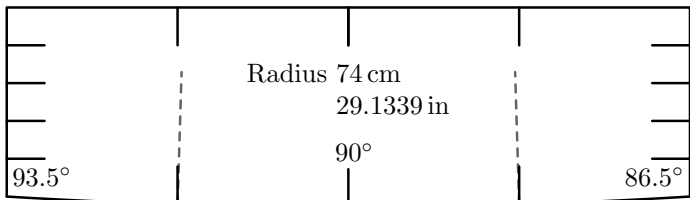
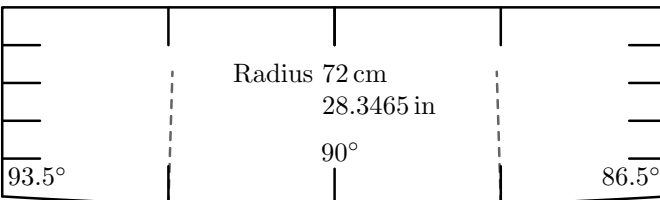
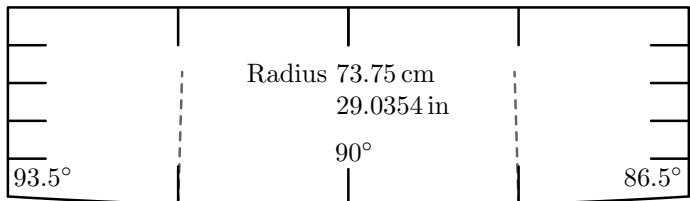
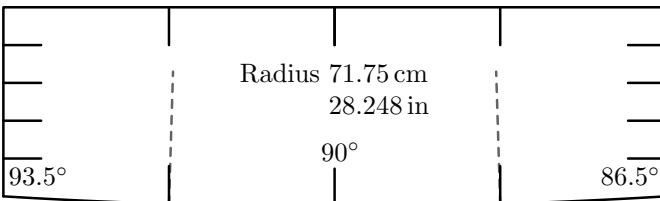
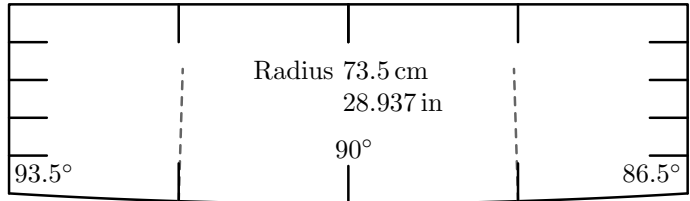
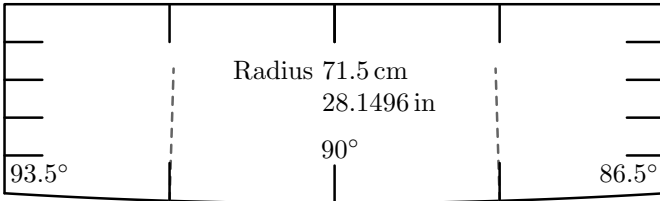
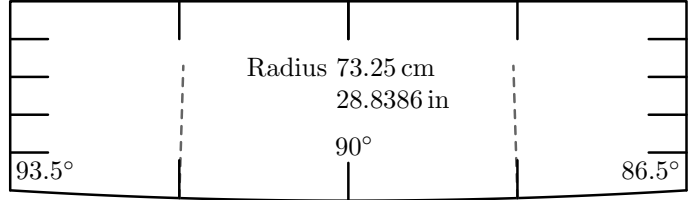
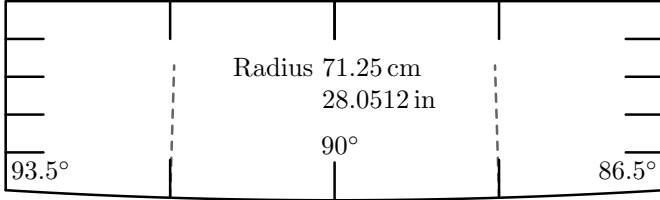
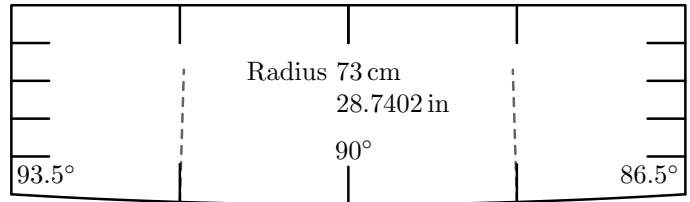
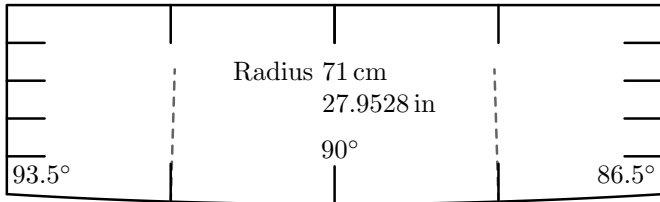


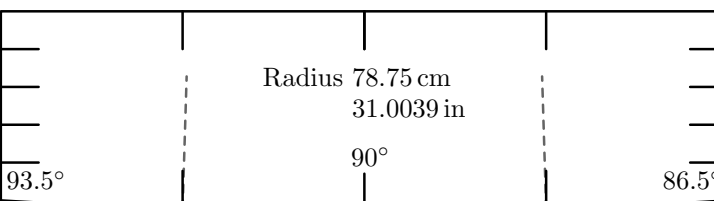
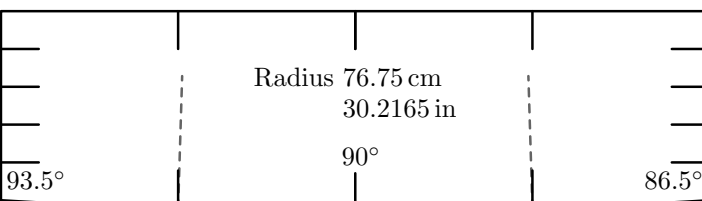
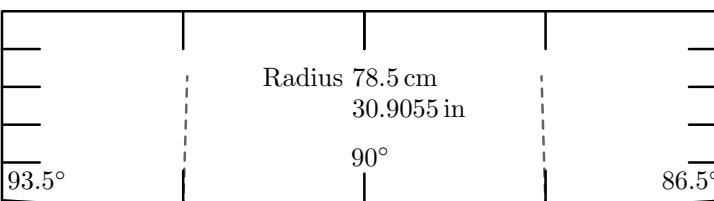
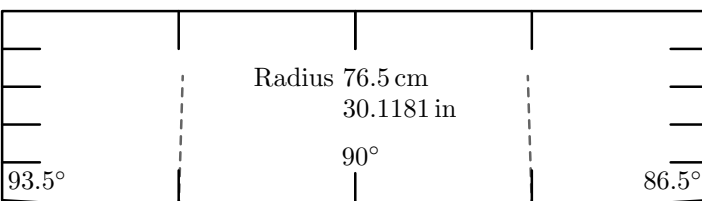
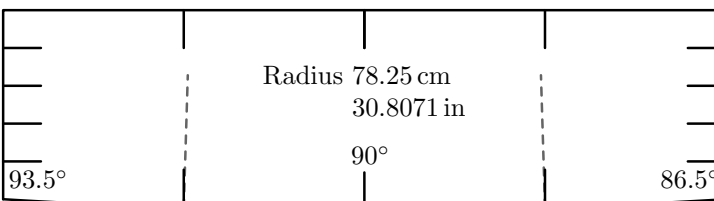
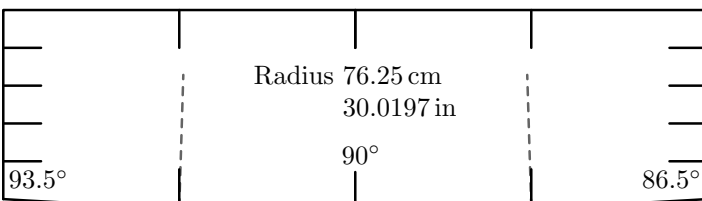
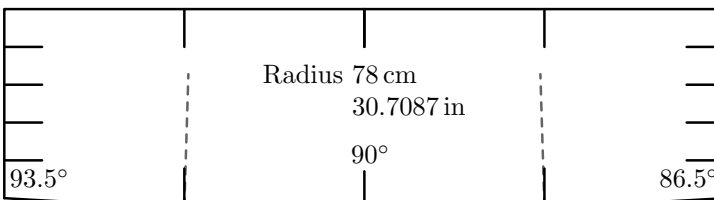
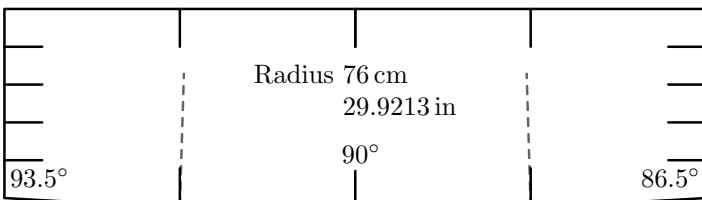
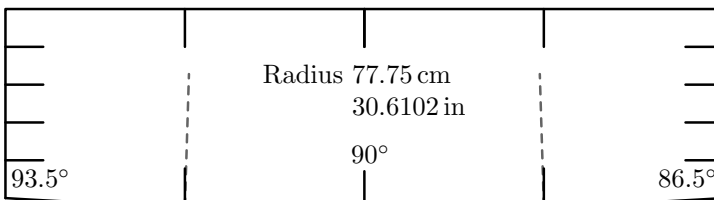
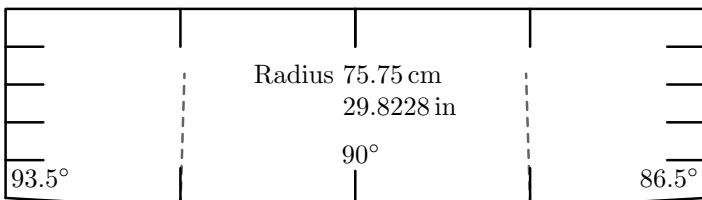
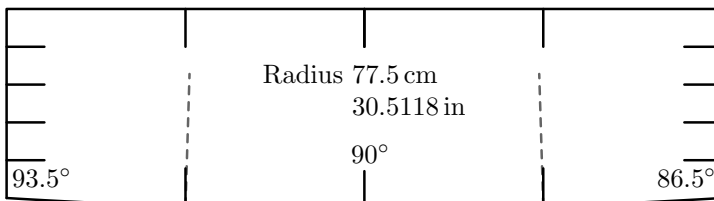
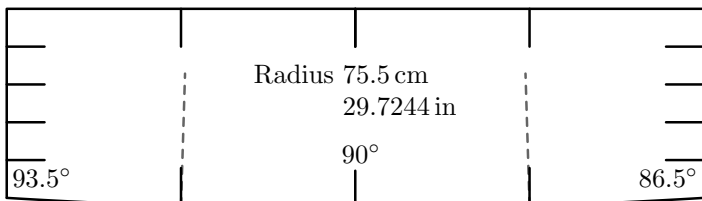
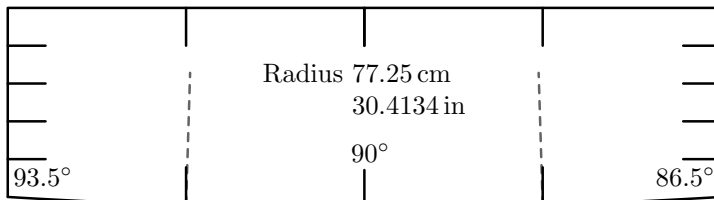
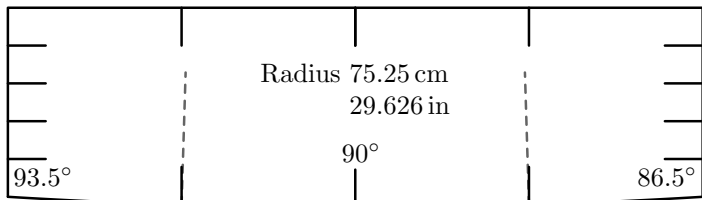
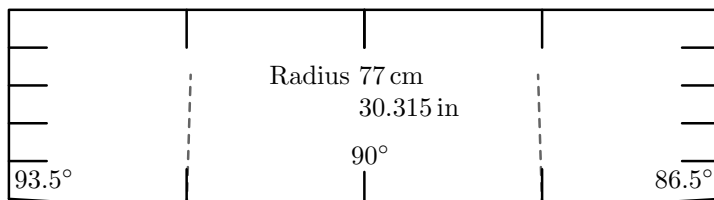
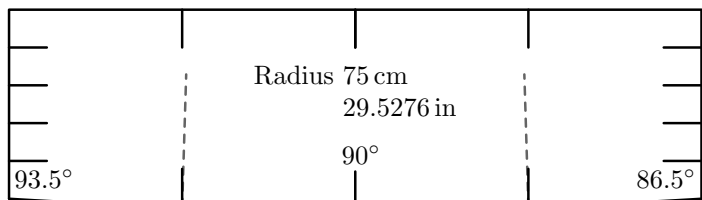


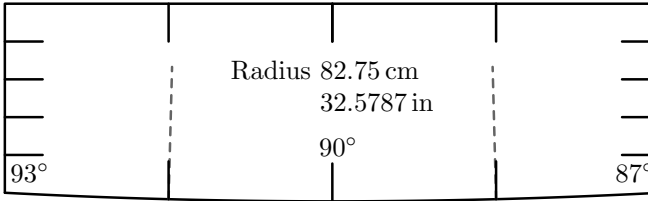
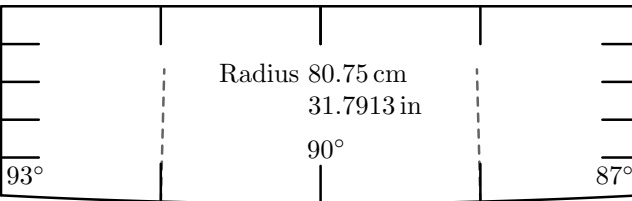
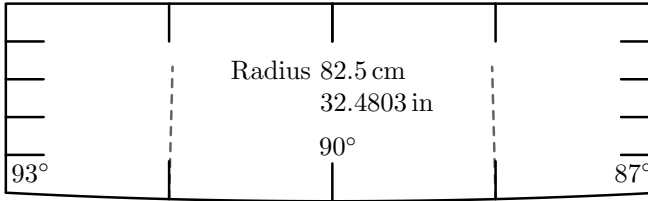
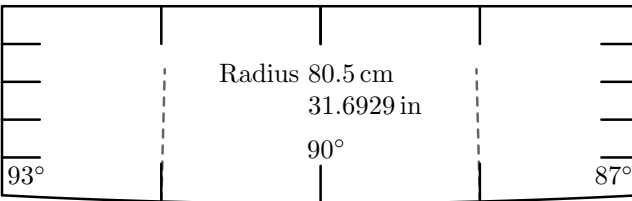
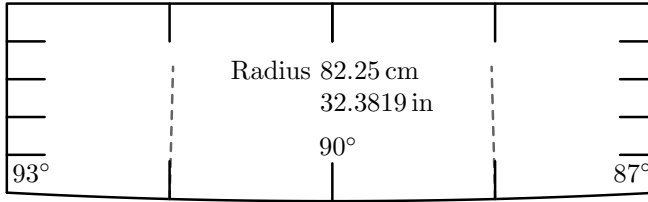
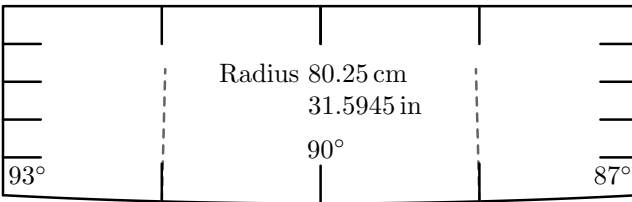
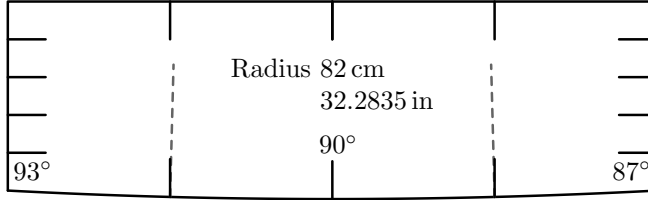
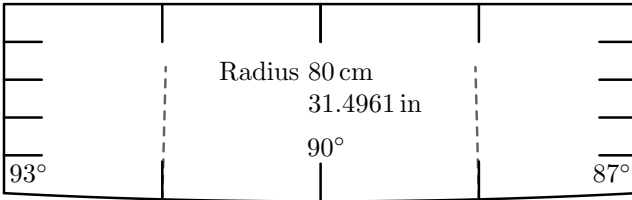
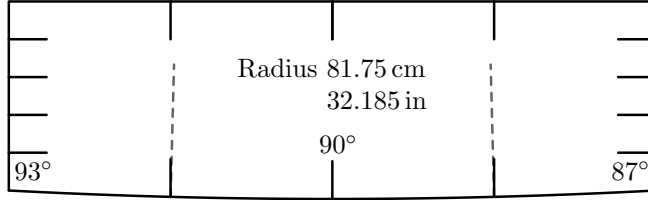
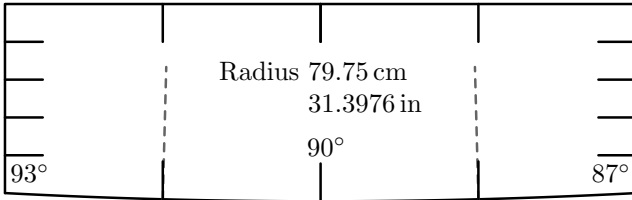
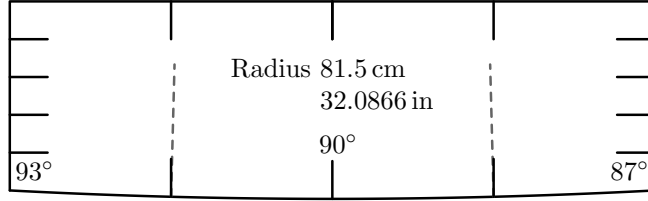
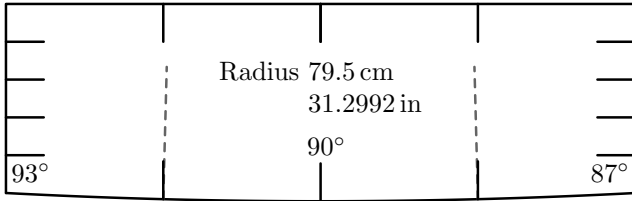
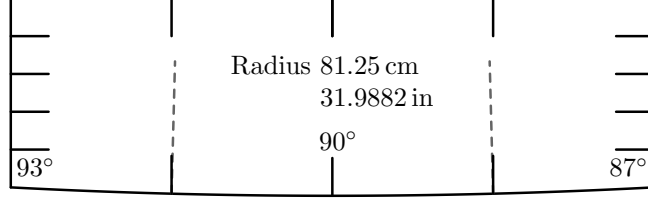
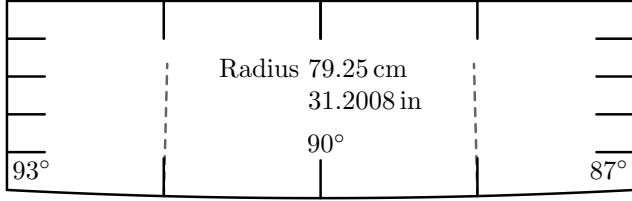
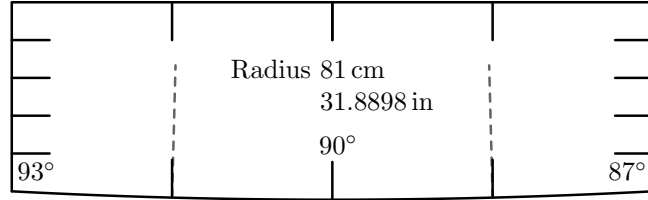
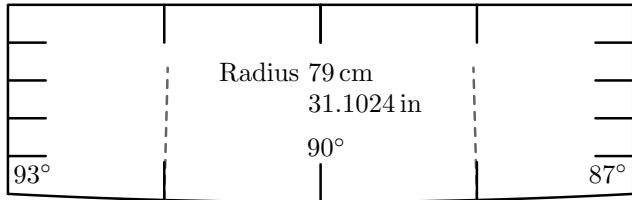


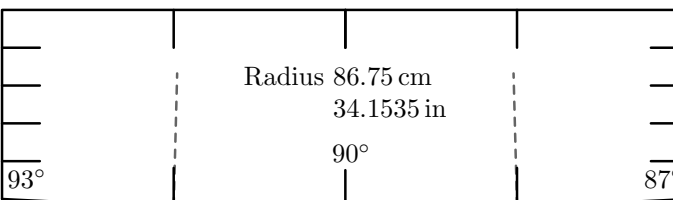
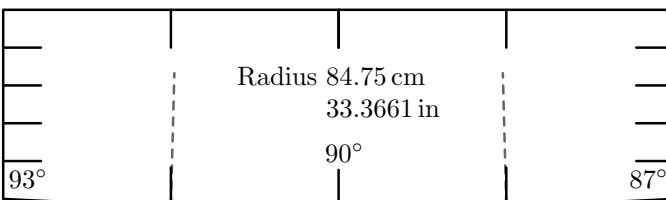
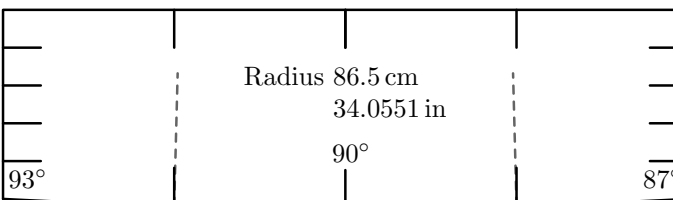
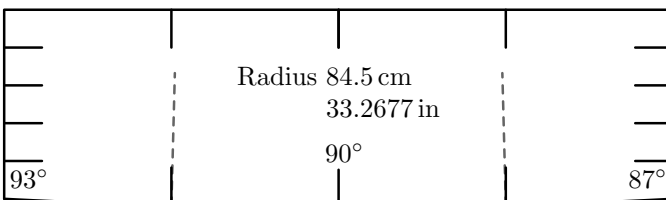
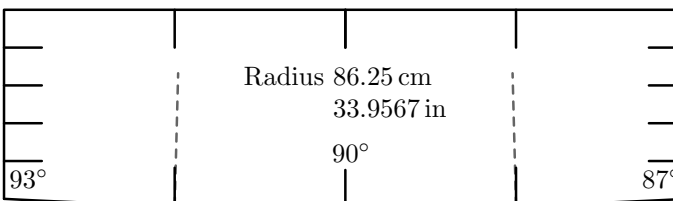
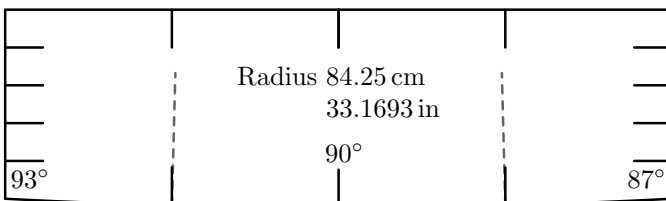
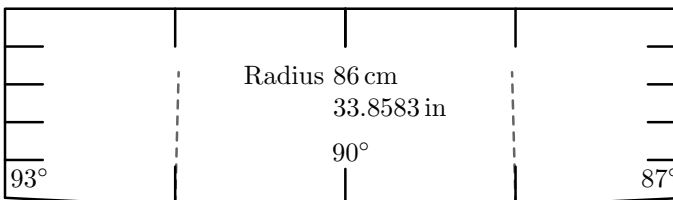
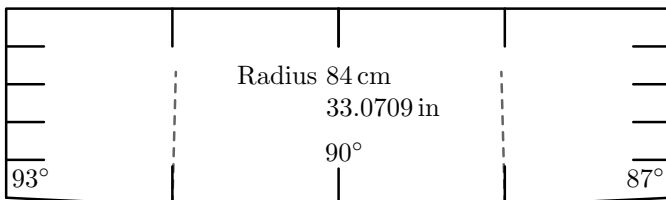
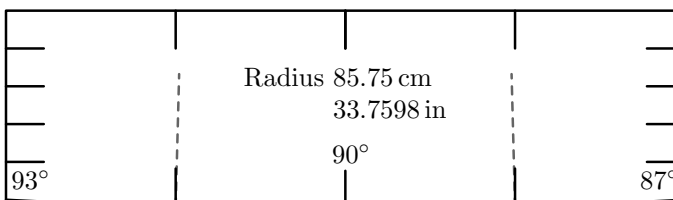
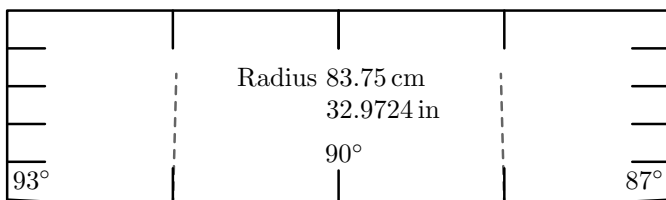
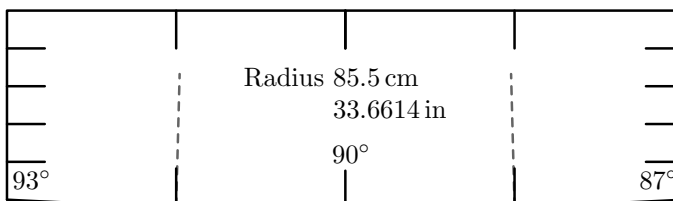
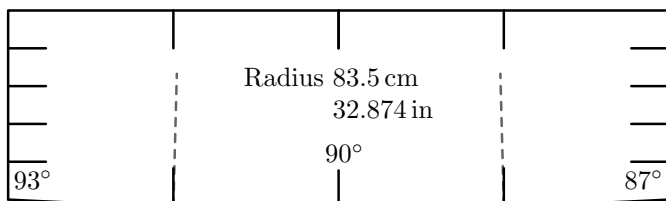
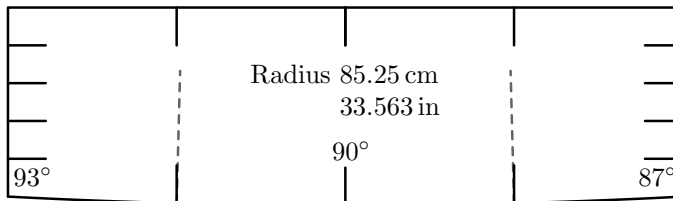
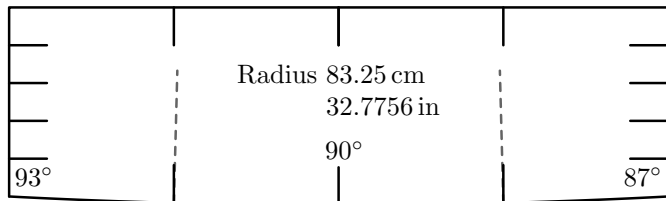
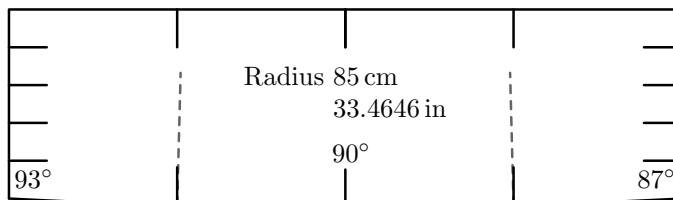
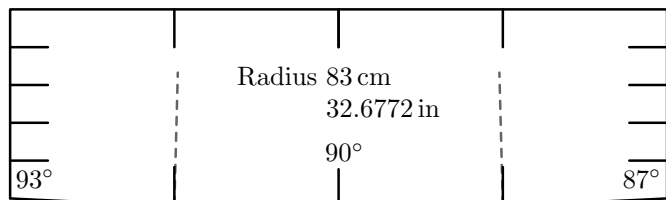




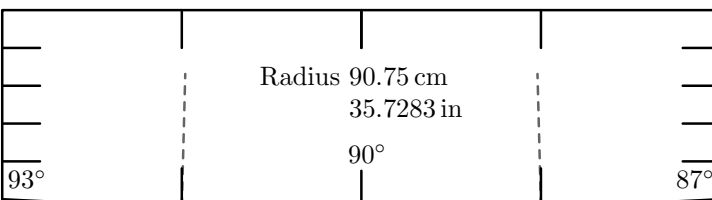
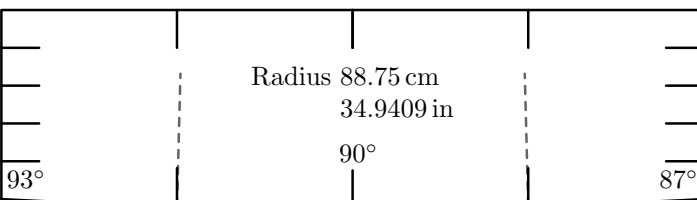
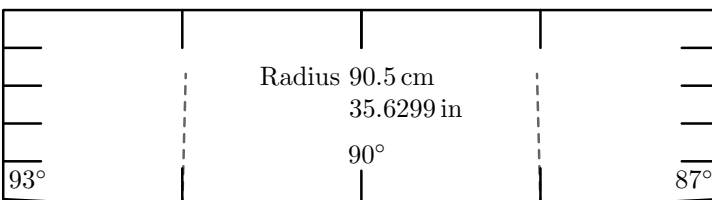
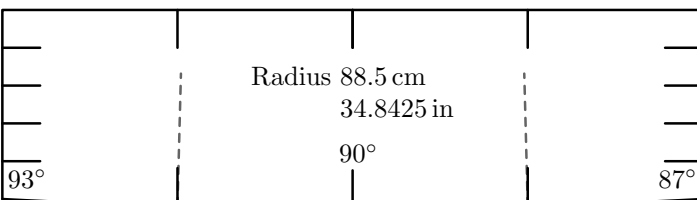
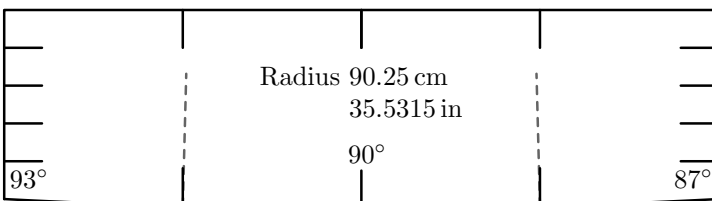
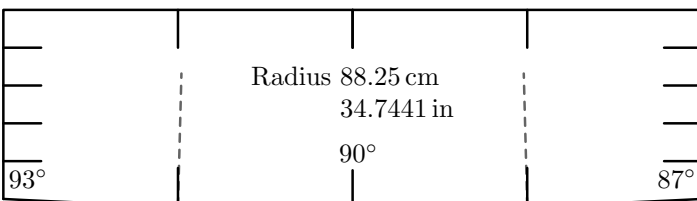
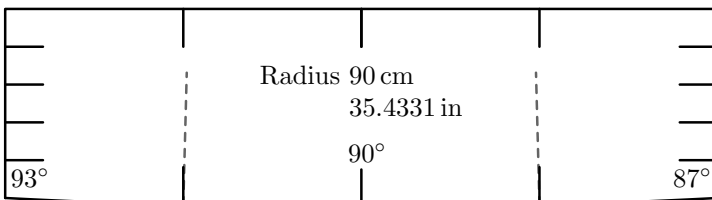
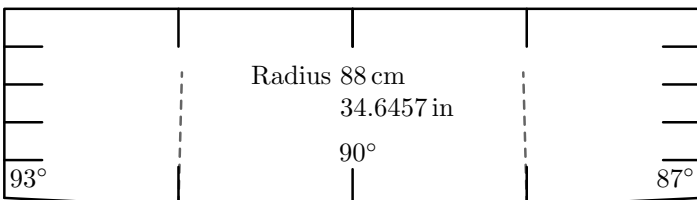
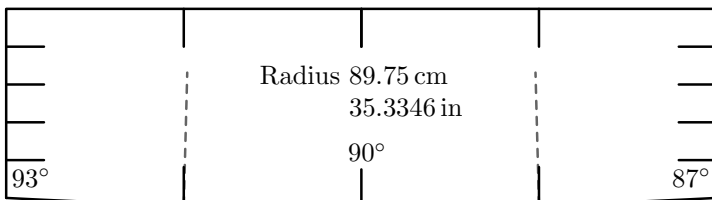
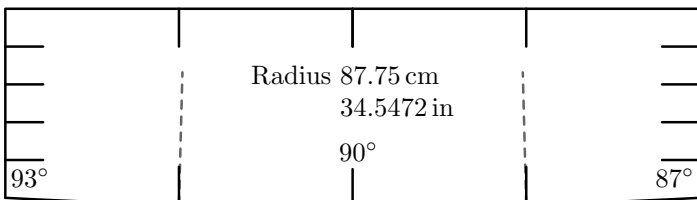
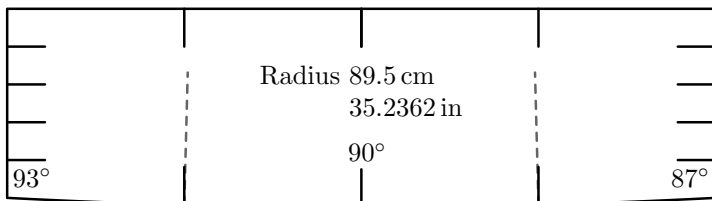
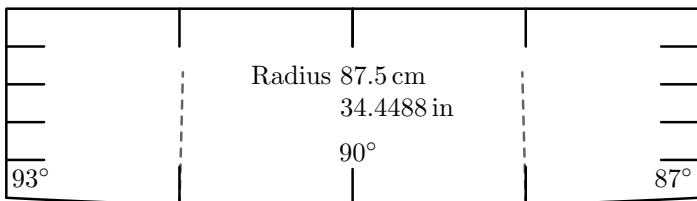
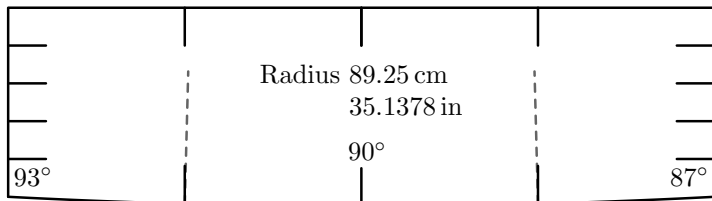
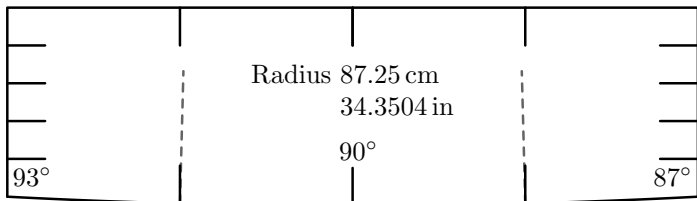
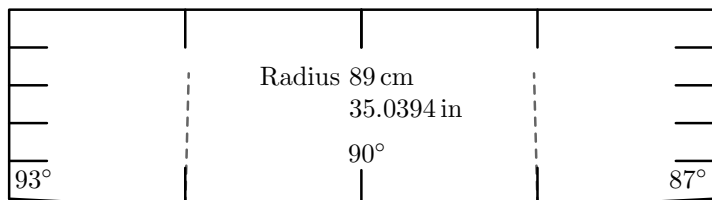
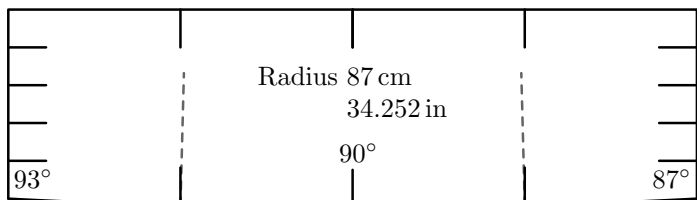


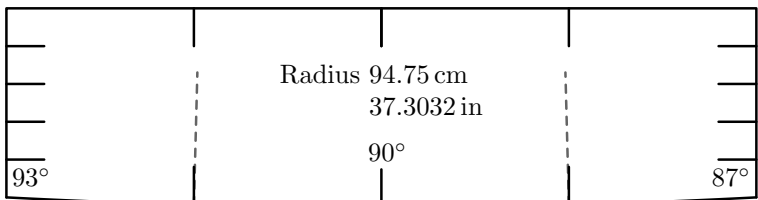
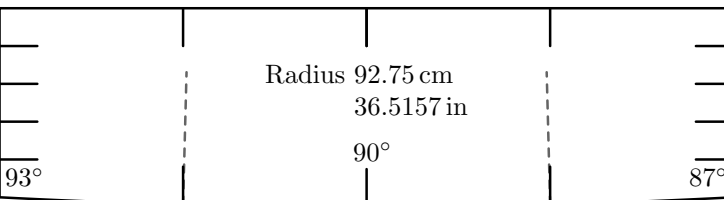
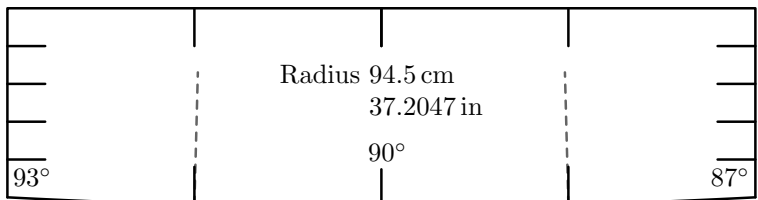
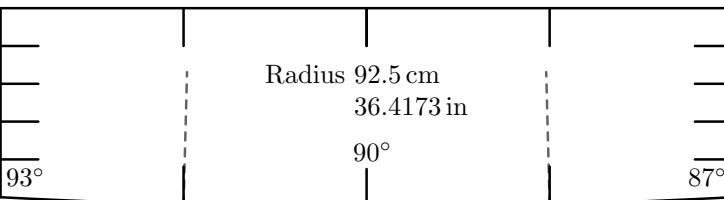
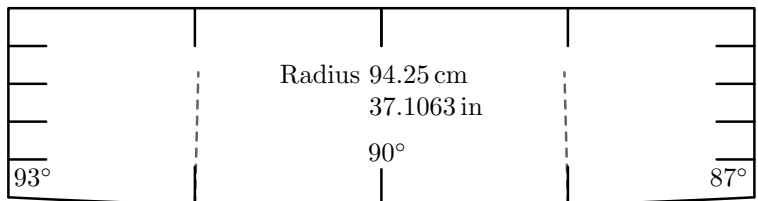
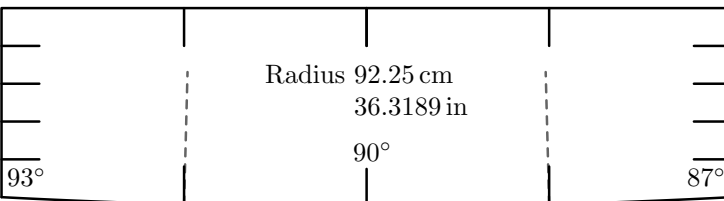
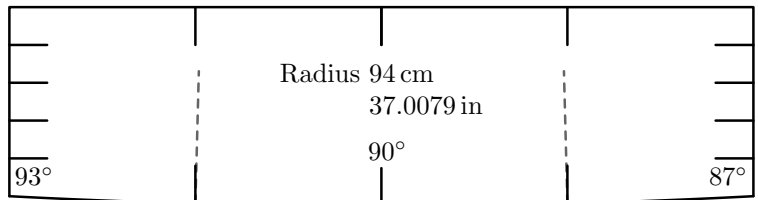
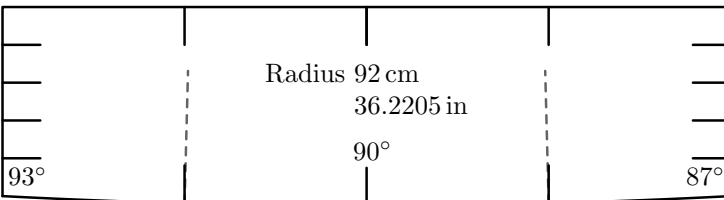
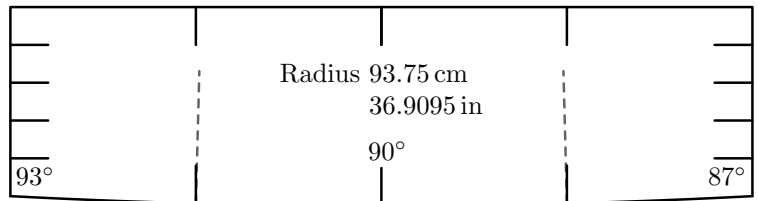
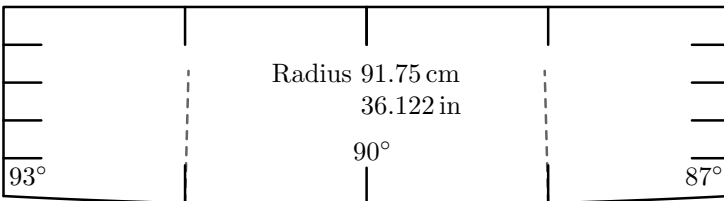
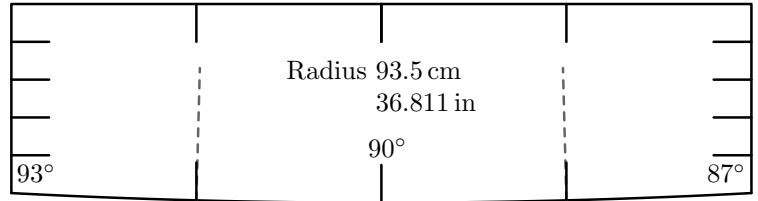
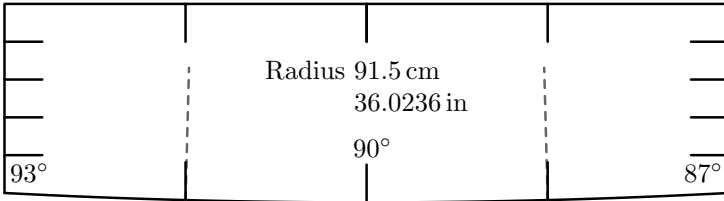
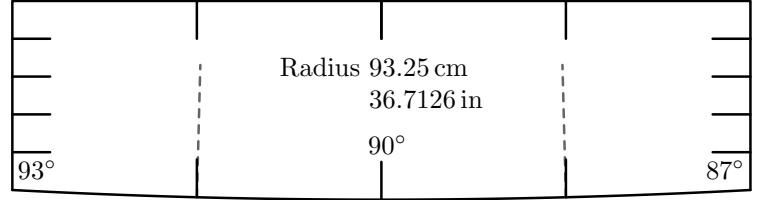
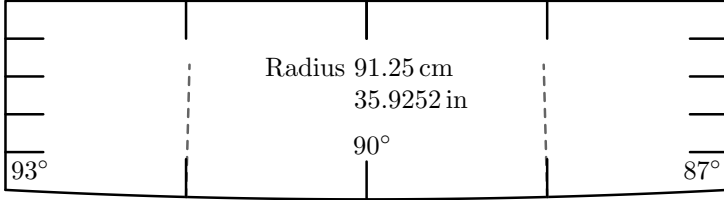
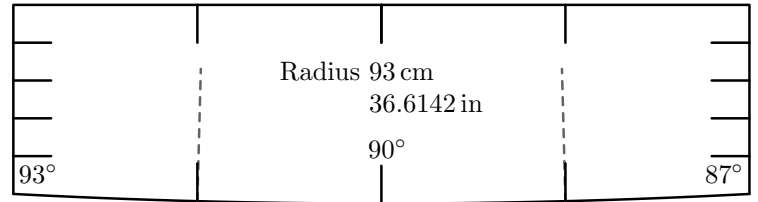
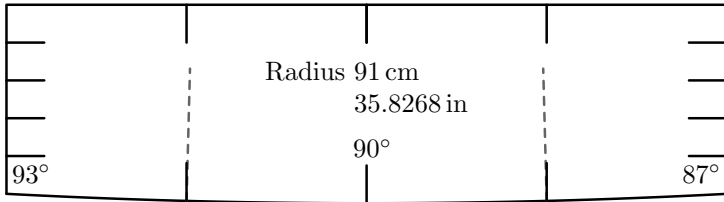


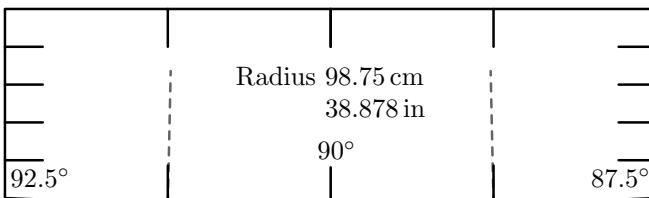
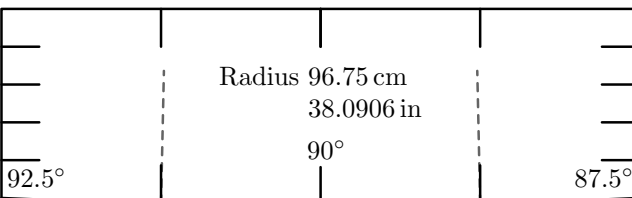
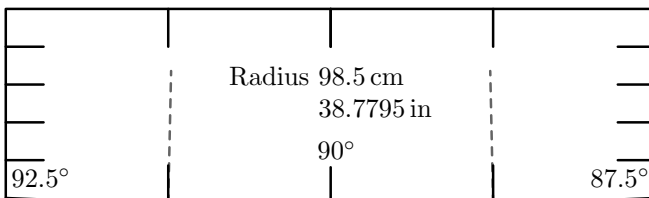
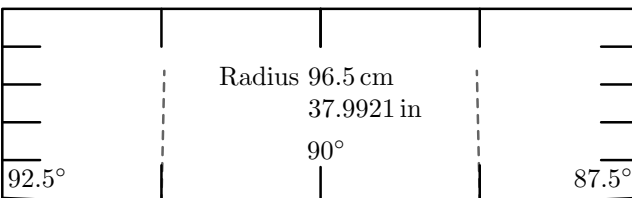
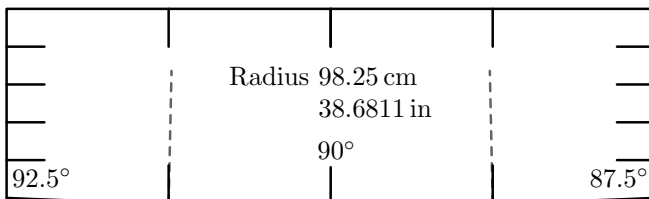
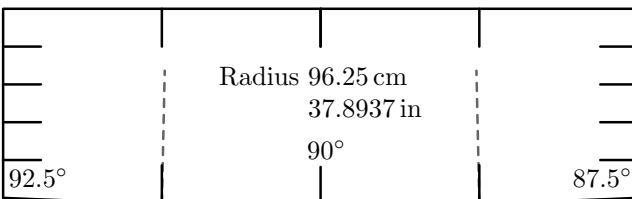
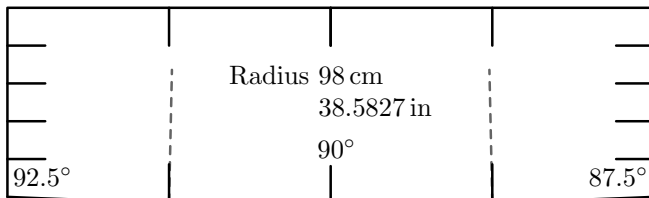
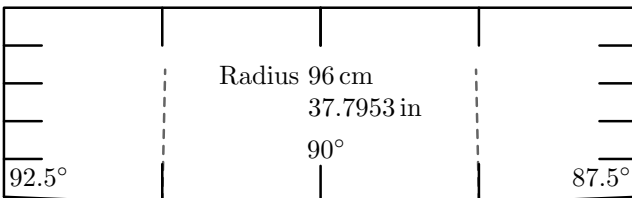
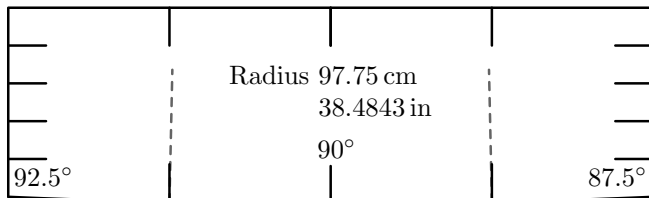
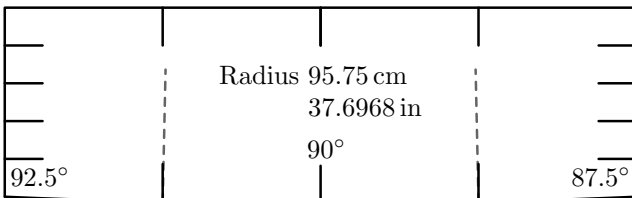
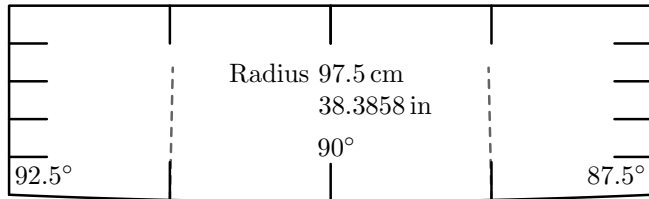
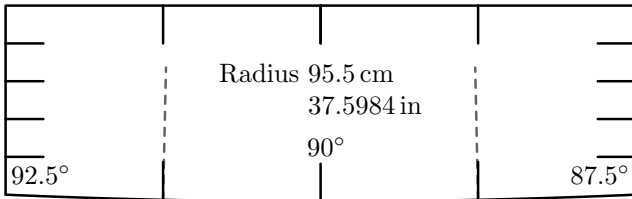
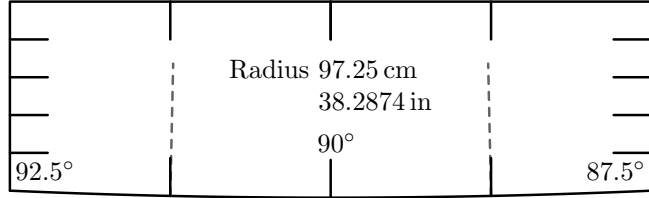
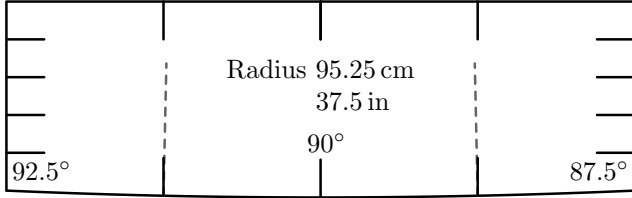
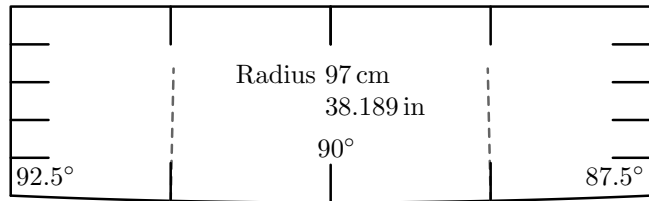
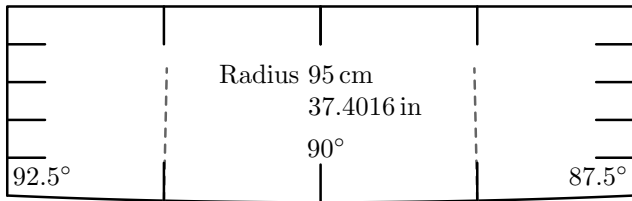


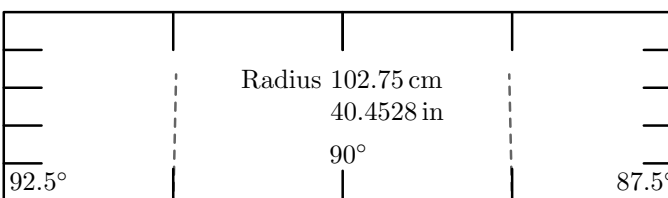
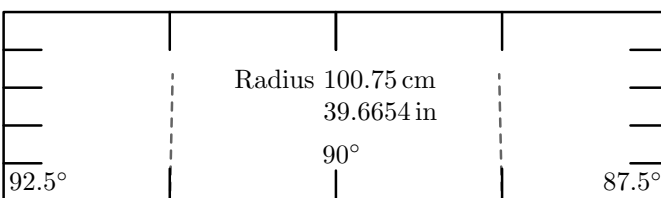
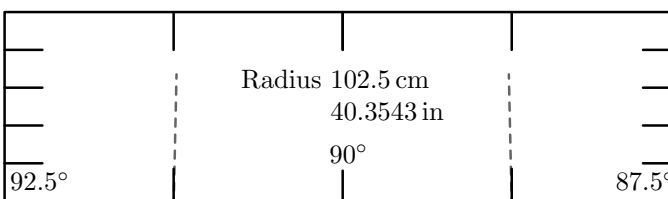
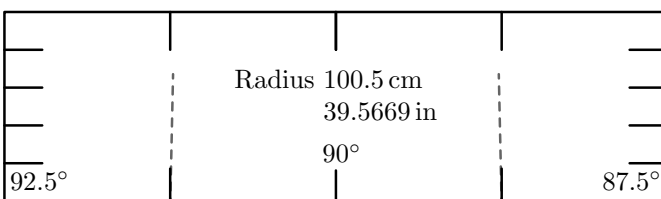
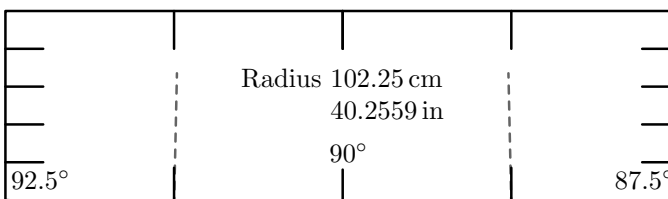
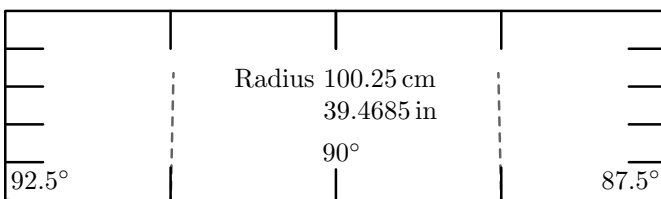
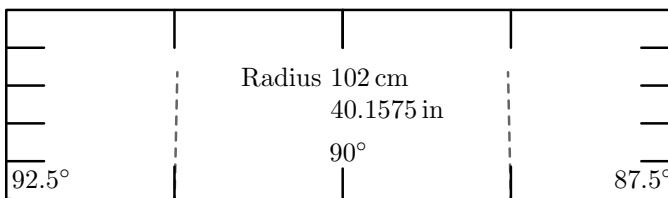
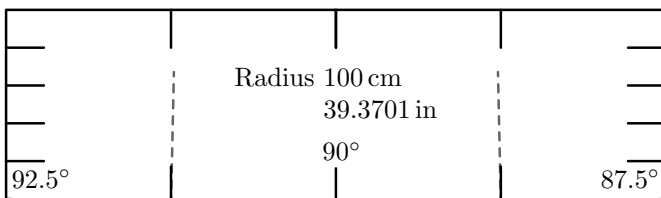
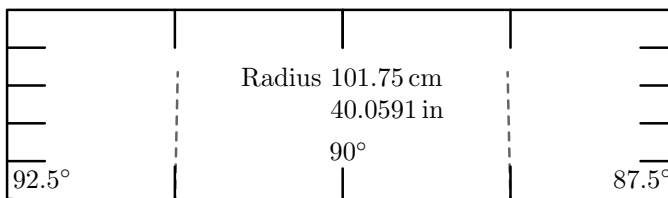
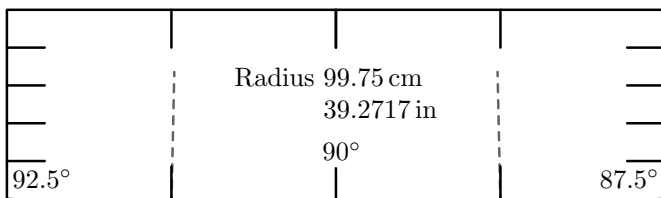
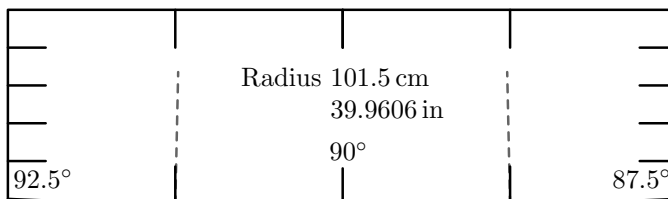
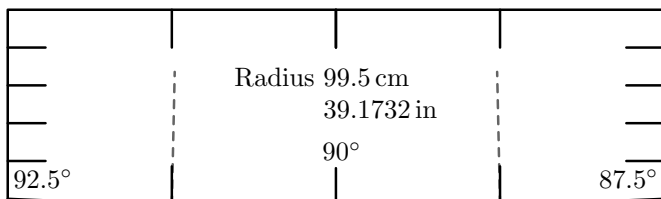
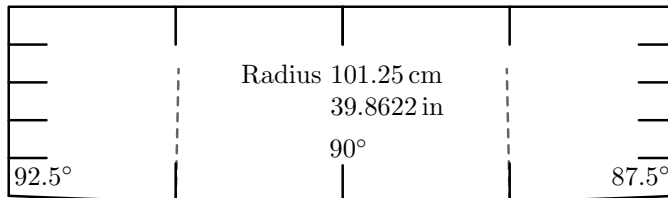
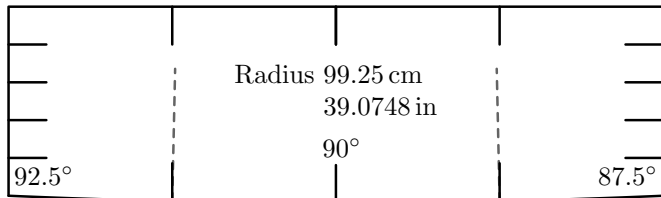
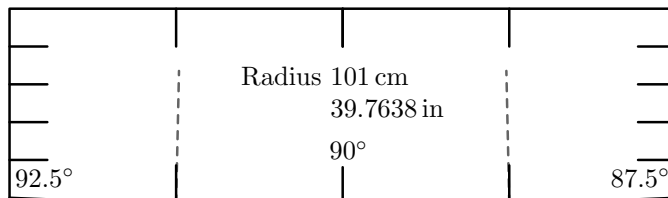
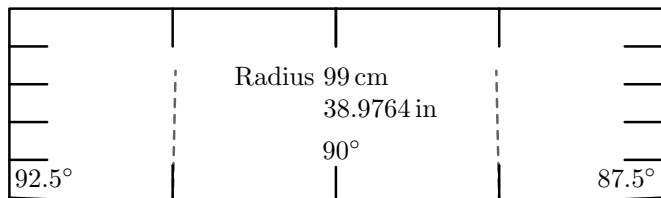












Section 2

