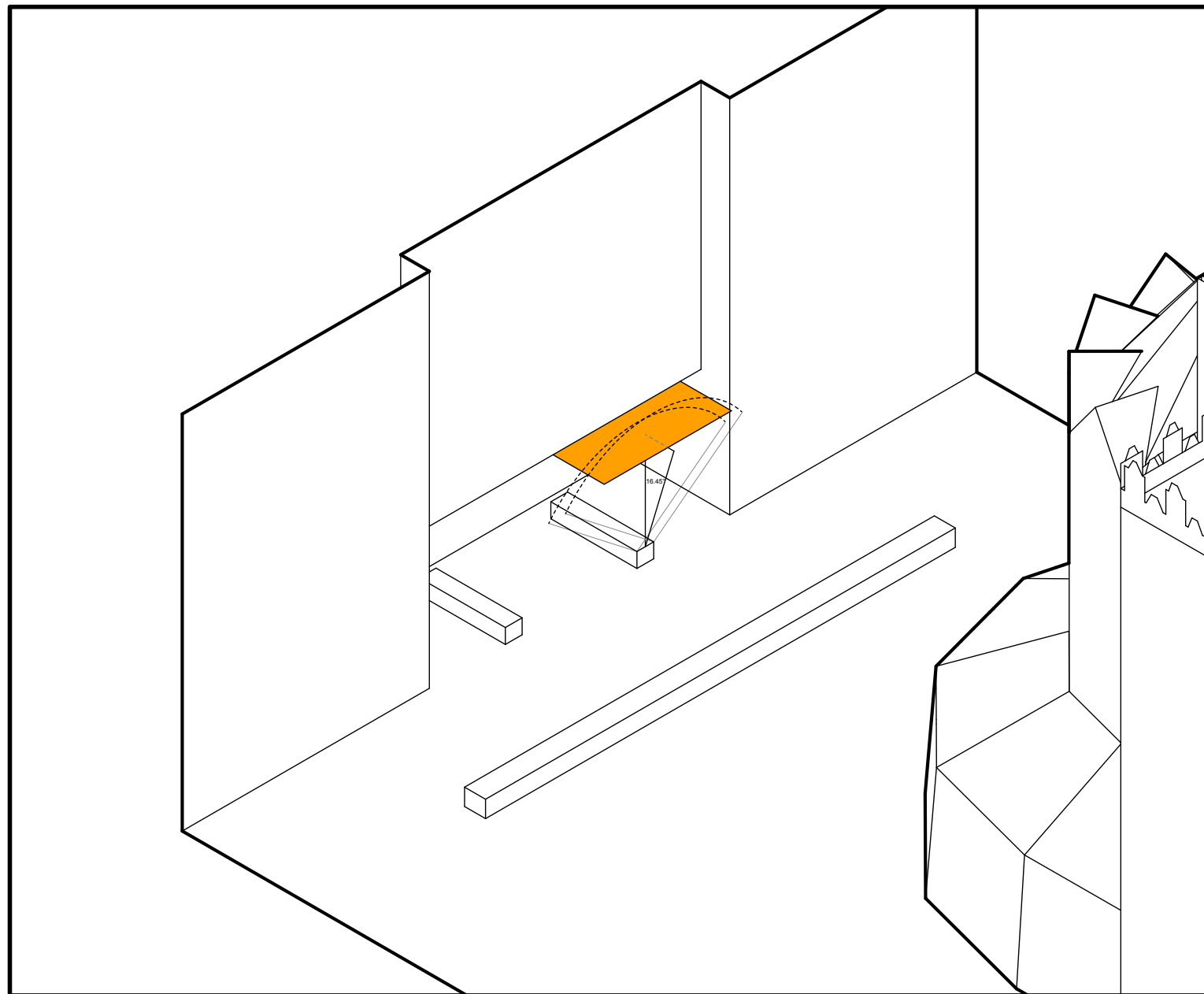


Meyerson Hall Entrance Shading Analysis

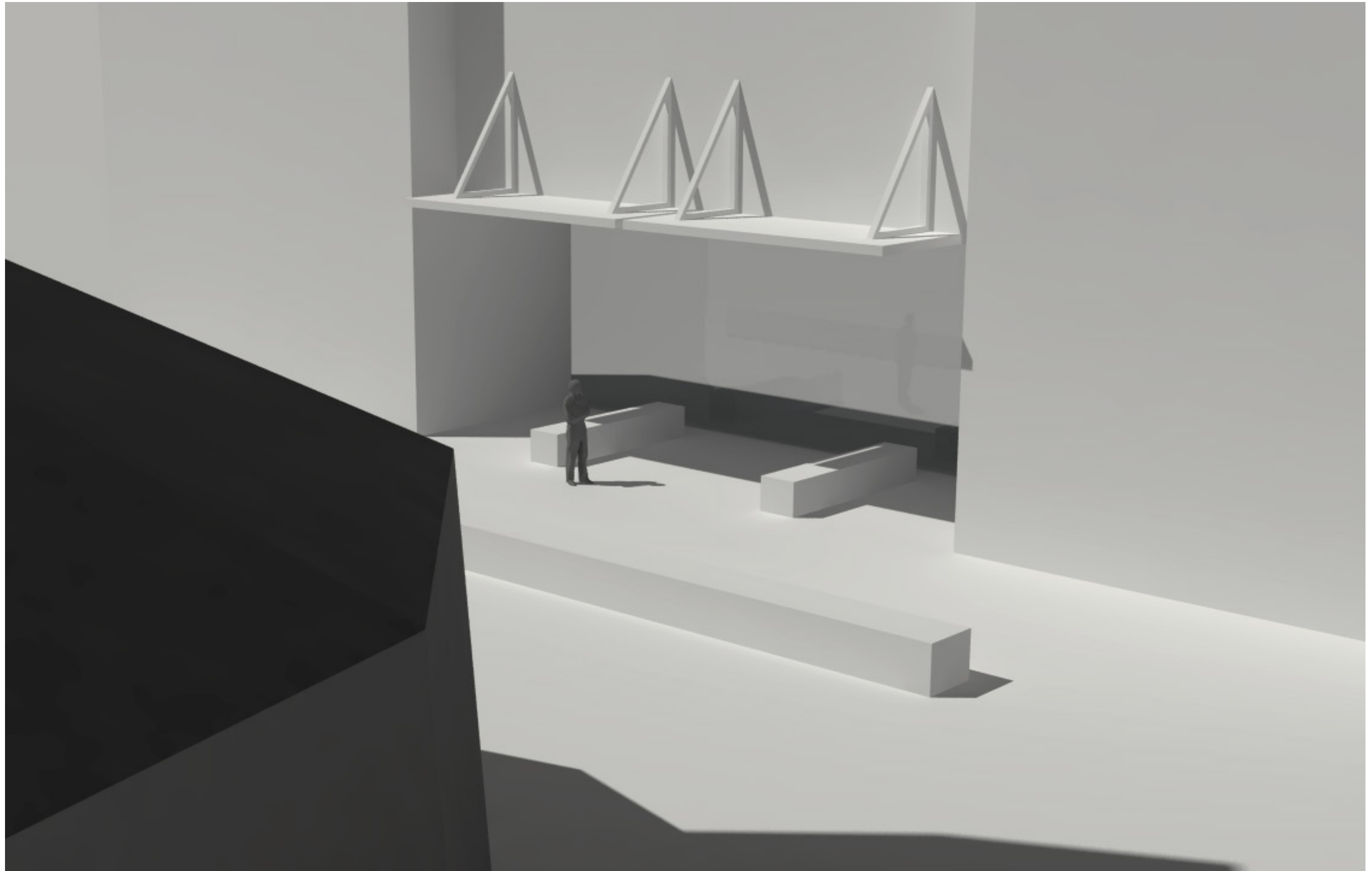
Week 5

Fan Cao

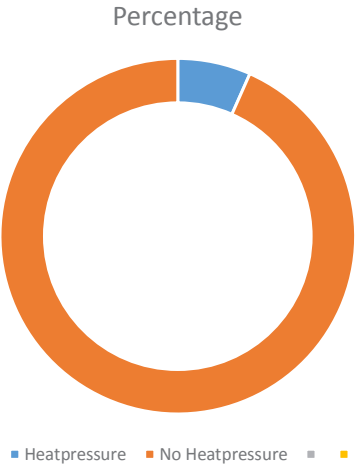
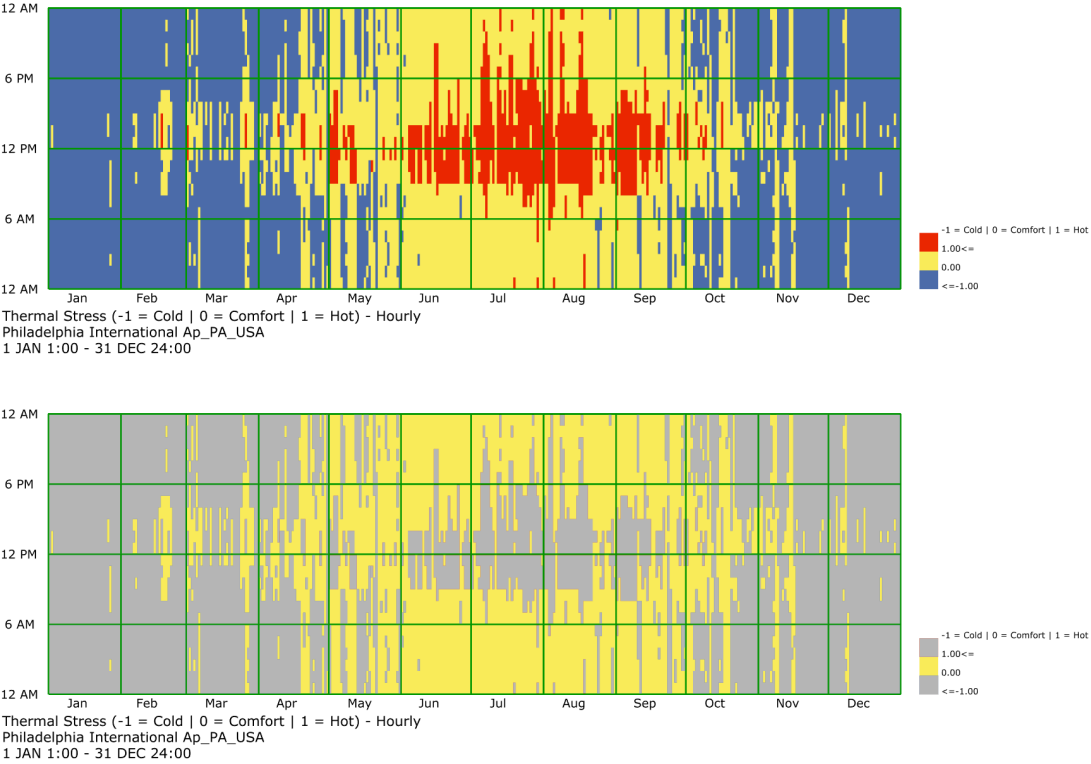


Testing Awning Shape

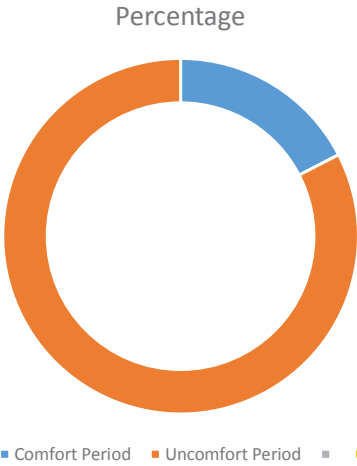
Since the maximum altitude of Philadelphia would be 73.55° , so I try to make the awning extrude until that angle. But I found may be because of the width of the awning, the angle should be a little bit a little be larger than 73.55° . And the width, I use the circle from the bench center to intersect with the awning height to get the width. I try some different, And I found this one is the best.



Without Awning

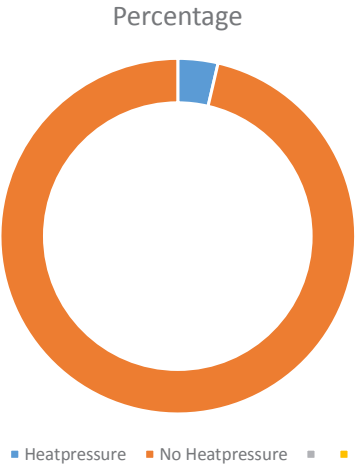
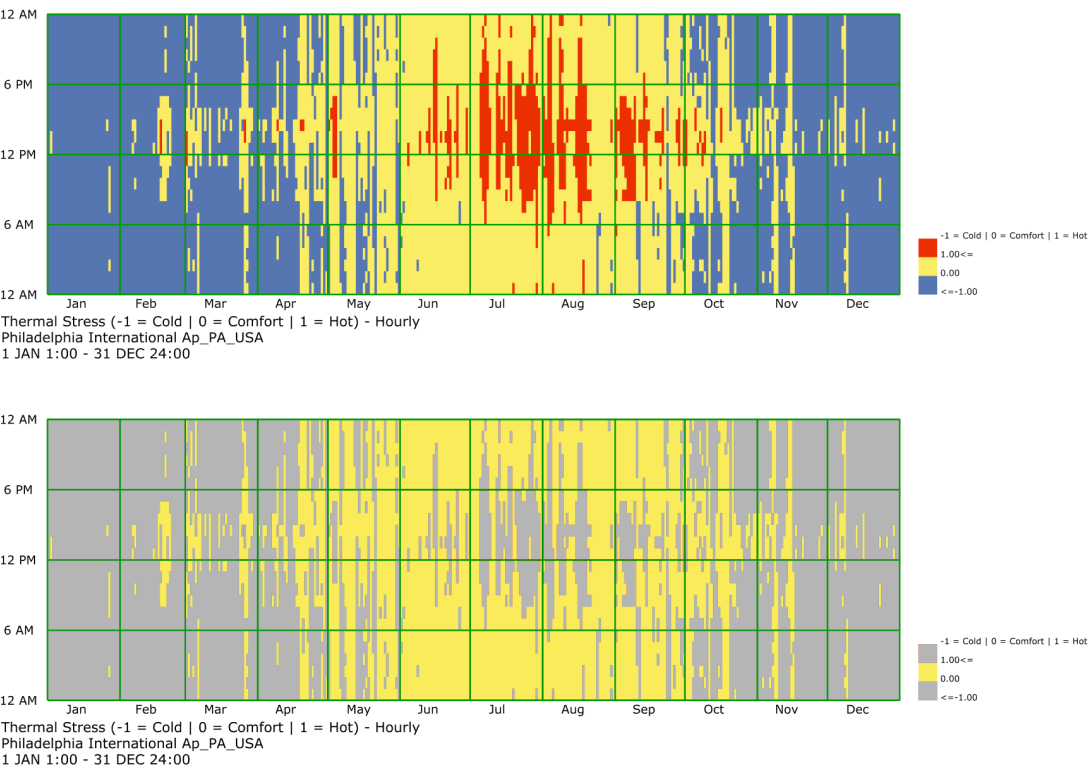


Heat Pressure: 6.65%

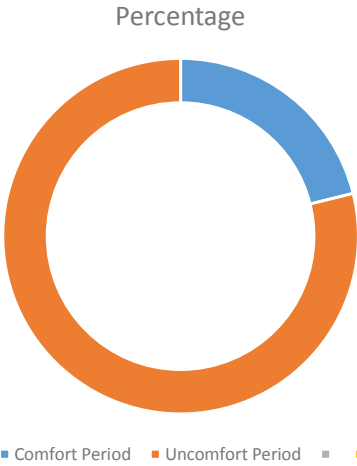


Comfort: 20.36%

With Awning



Heat Pressure: 3.53%



Comfort: 21.33%