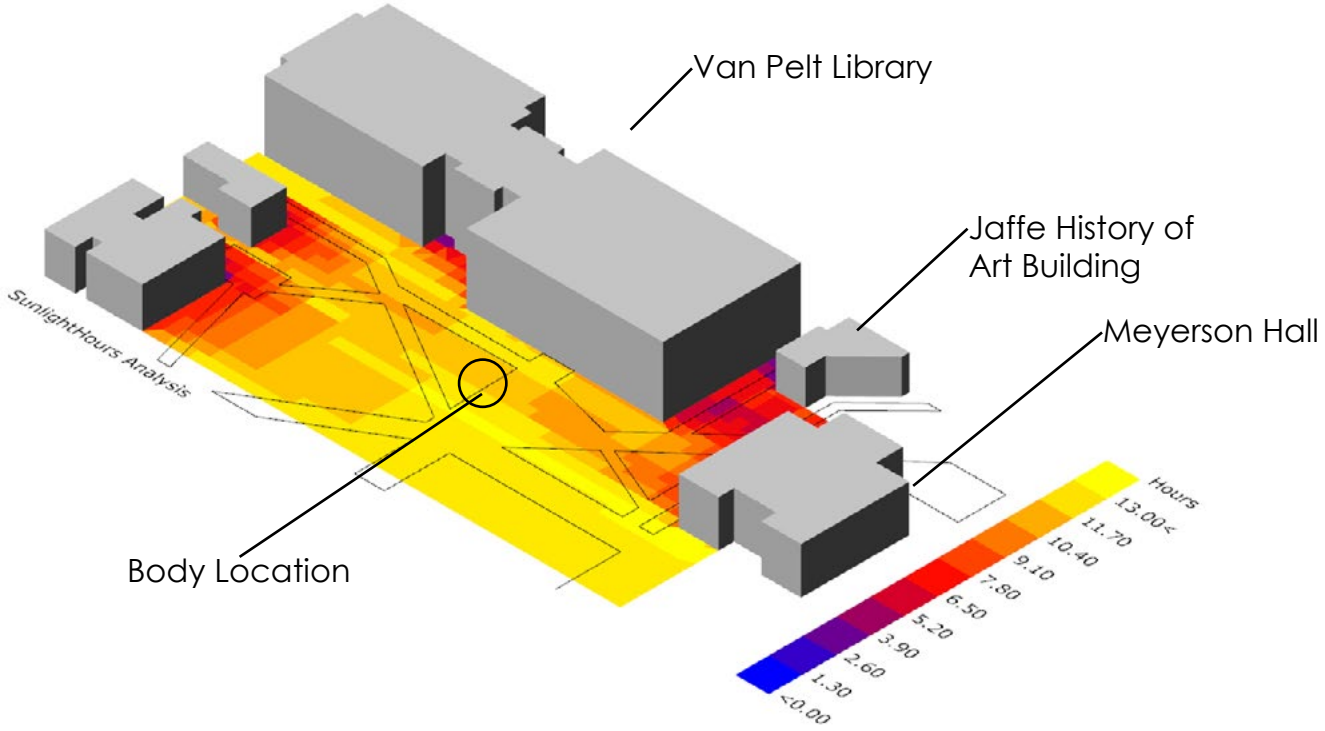
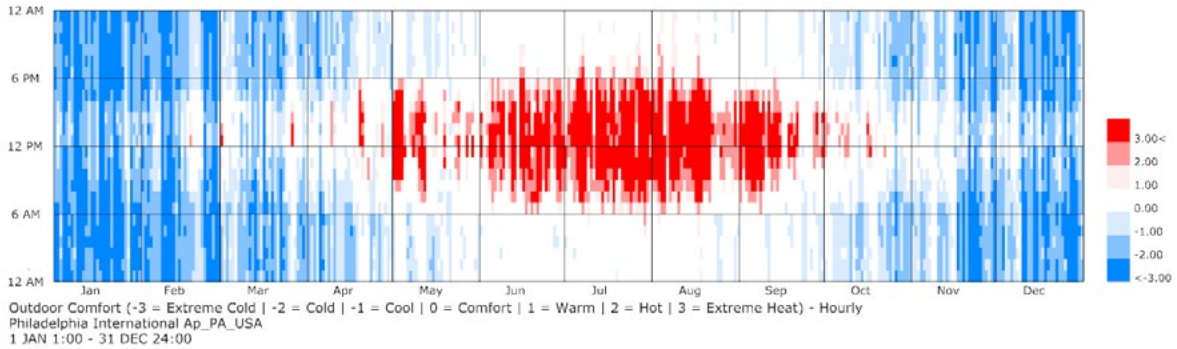


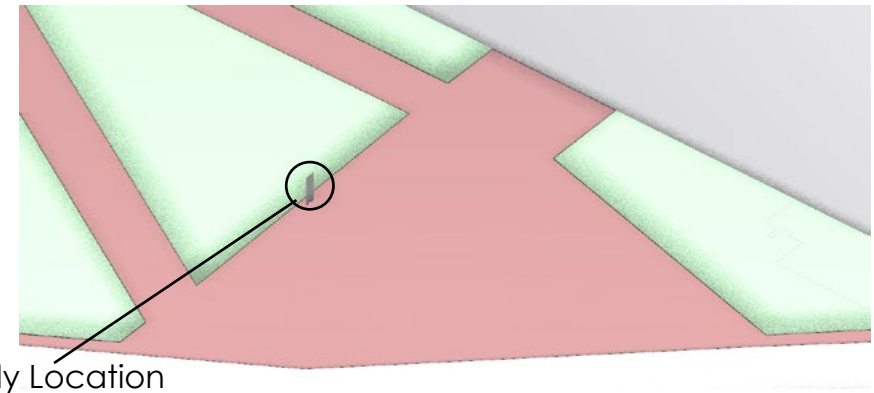

Hourly Outdoor Comfort - Body Position - No Intervention



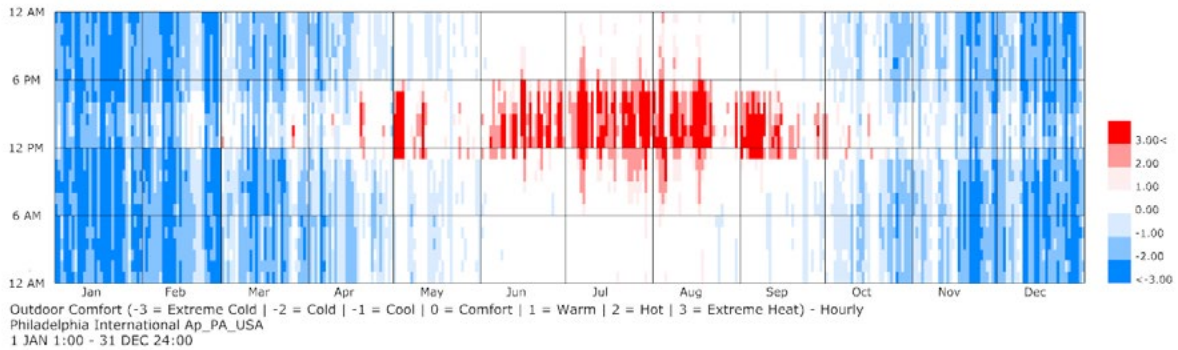

% of Time Comfortable:
**37.92%**

% of Comfortable for a Short Period of Time:
**19.16%**

By being exposed to the elements, the person experiences extreme heat and cold.

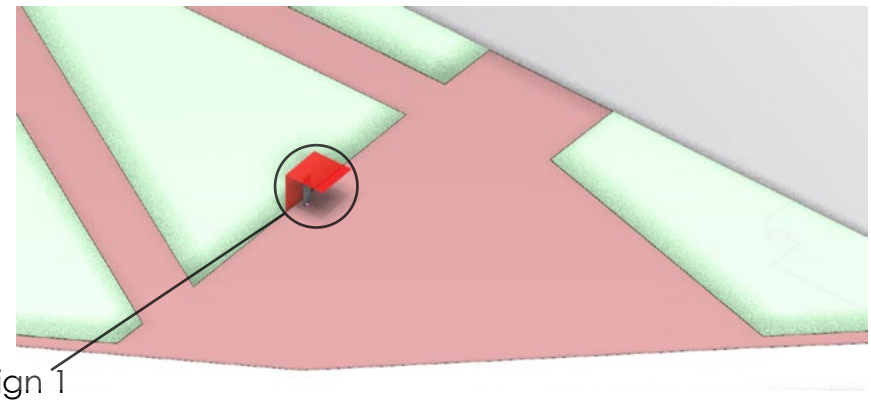


## Hourly Outdoor Comfort - Design 1



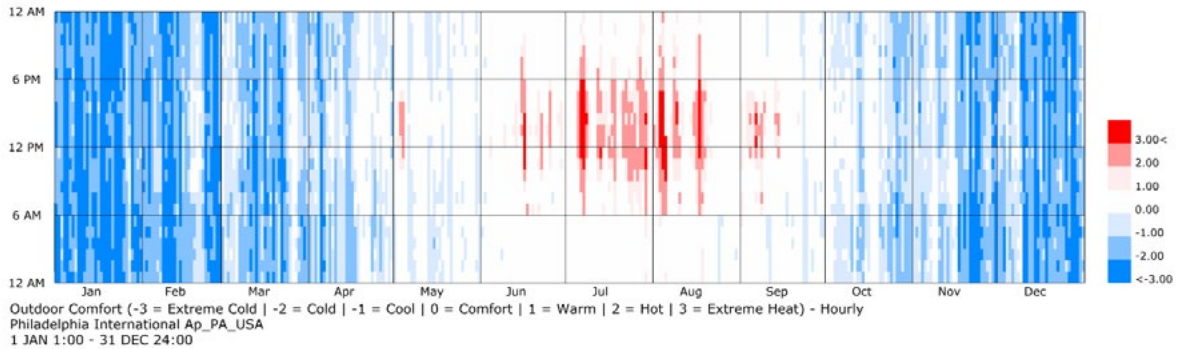

% of Time Comfortable:
**41.82%** (+ 3.9%)
% of Comfortable for a Short Period of Time:
**21.33%** (+ 2.17%)

Design 1 uses a simple canopy to mitigate the extreme heat experienced from June through August.



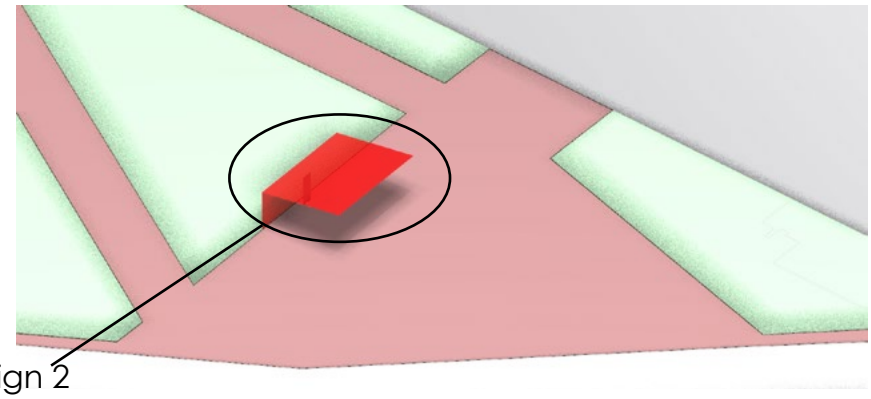
Design 1

## Hourly Outdoor Comfot - Design 2



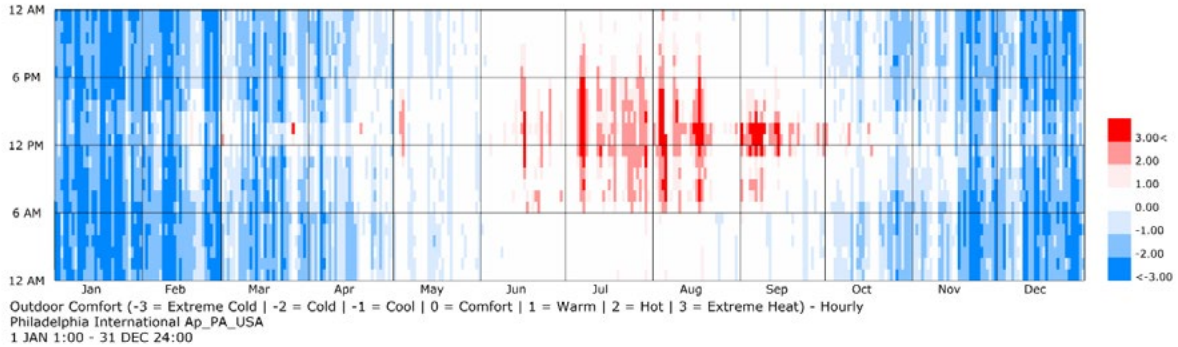

% of Time Comfortable:
**41.64%** (+ 3.72%)
% of Comfortable for a Short Period of Time:
**21.32%** (+ 2.16%)

Design 2 expands the canopy and tilts the roof to attempt to allow for more solar gain during the winter. This scheme block most of the extreme heat, but allows for more extreme cold in the winter.



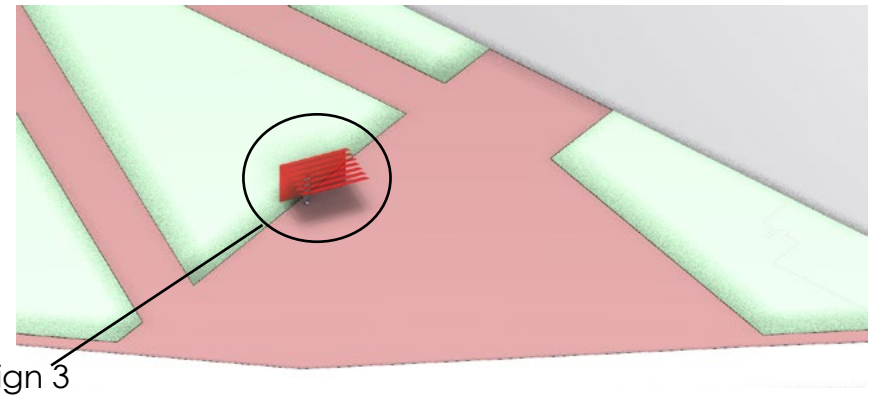
Design 2

# Hourly Outdoor Comfot - Design 3




% of Time Comfortable:
**42.57%** (+ 4.65%)
% of Comfortable for a Short Period of Time:
**21.05%** (+ 1.89%)

Design 3 rotates and perforates the canopy to attempt to block the extreme heat while still allowing solar gain in the winter. This design performed the best out of the three, and increased the percentage of time comfortable by almost 5%.



Design 3