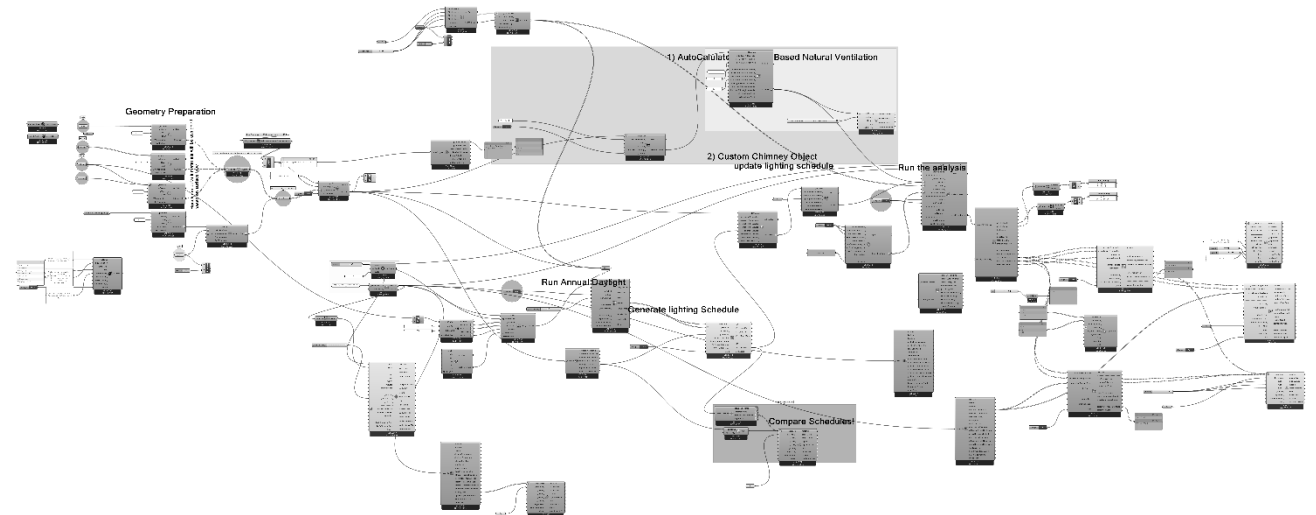
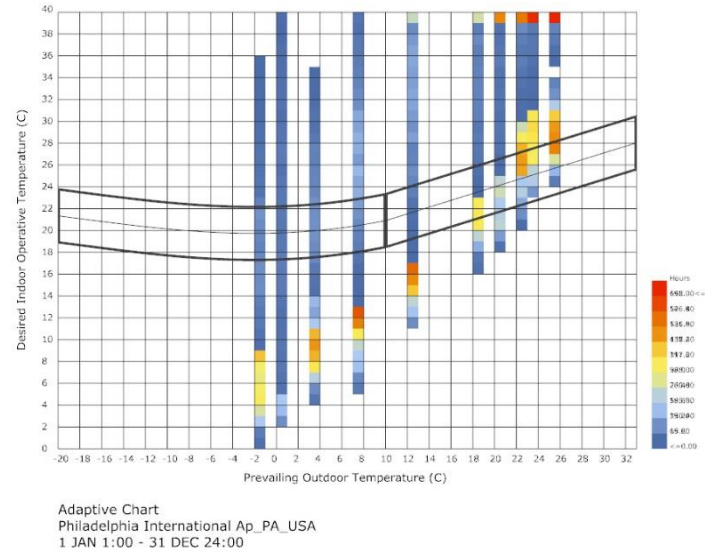


## Indoor comfort analysis round II

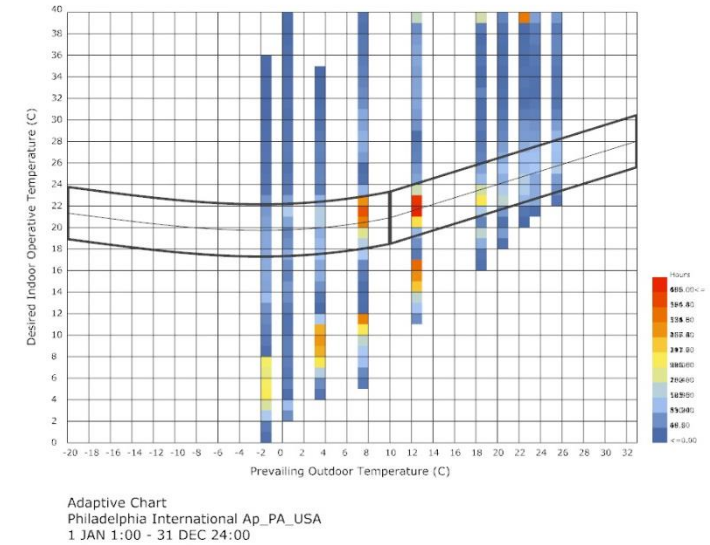


## Baseline (28.13%)



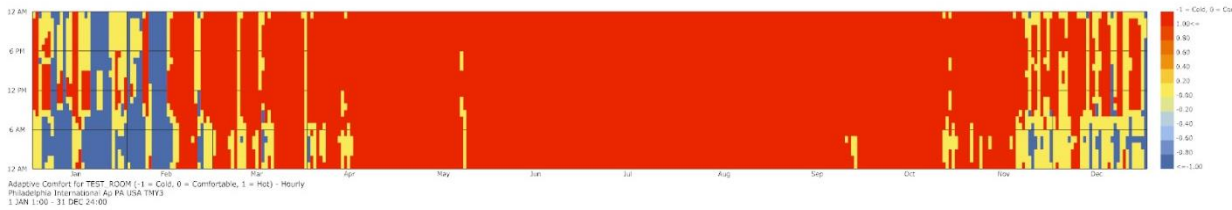
Adaptive Chart

## Add Natural Ventilation(65.99%)

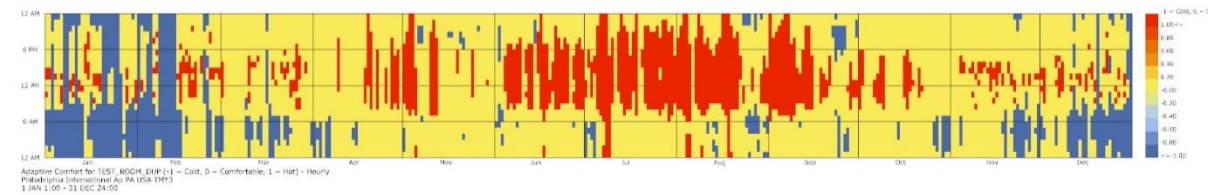


Adaptive Chart

37.86%

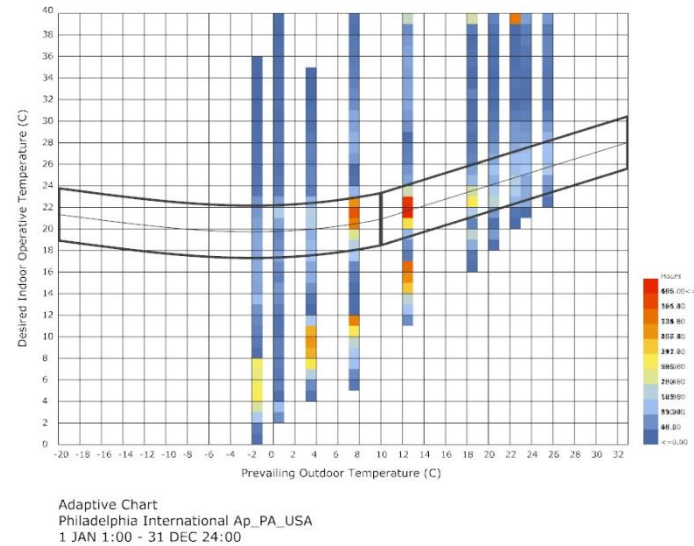


Adaptive Comfort

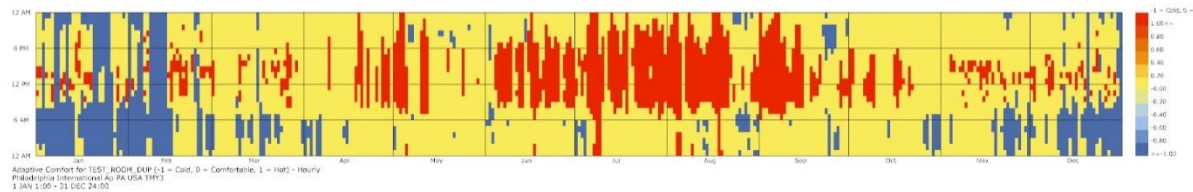


Adaptive Comfort

## Add Natural Ventilation(65.99%)

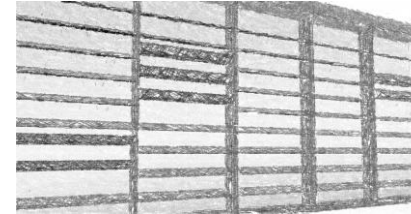


Adaptive Chart



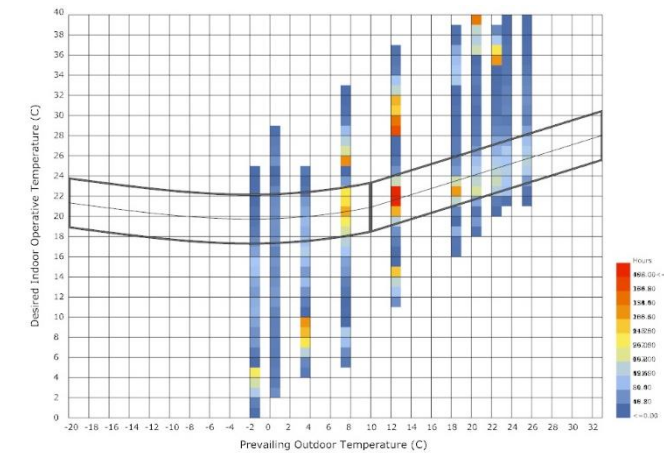
Adaptive Comfort

## Original Shading Design (64.20% comfort)

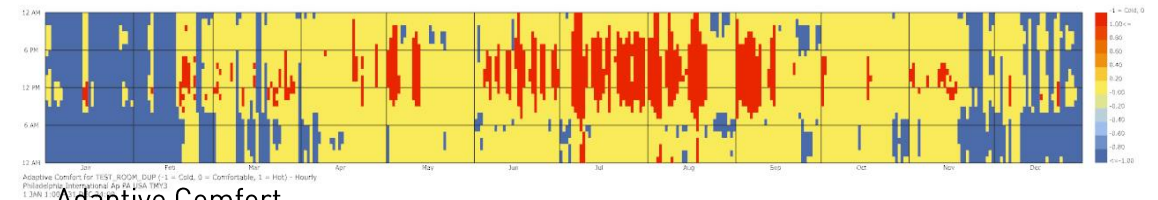


### Concept

According to the PMV and adaptive comfort percentage and chart analysis, the original shading (louvers) can block the strong sunlight in the summer to some extent. However, because of large area of curtain glass wall, it is difficult to Keep warm inside during the winter. Based on this, the strategy for improvement is to reduce the glazing area to some extent and change the direction of the louvers.



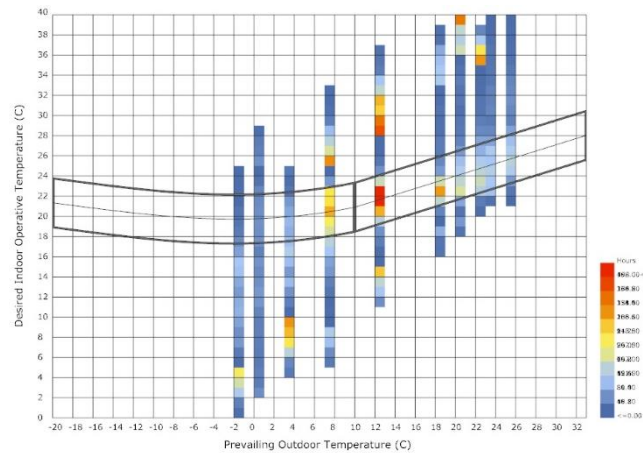
Adaptive Chart



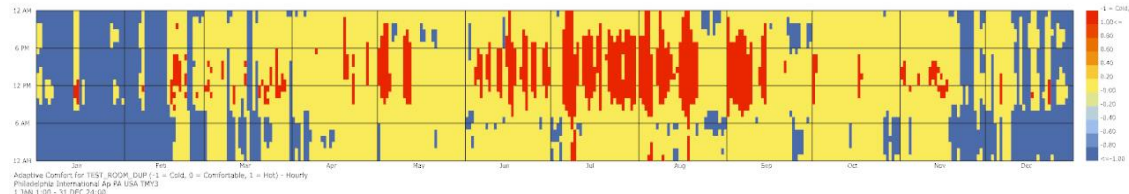
Adaptive Comfort



## Original Shading Design (64.20% comfort)

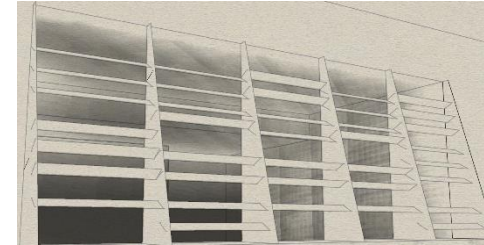


Adaptive Chart



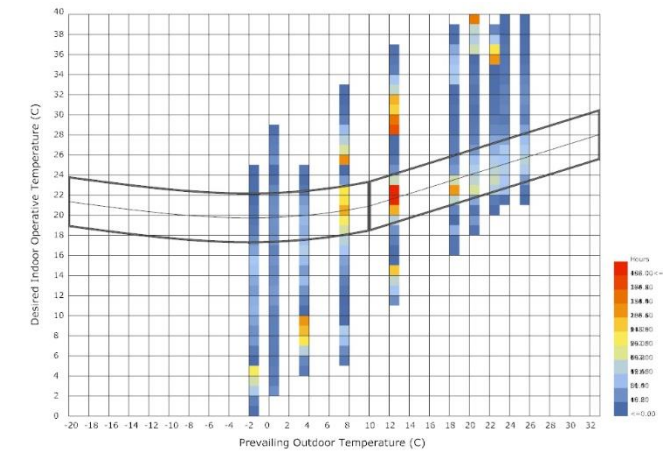
Adaptive Comfort

## Changing Shading + Material (71.22% comfort)

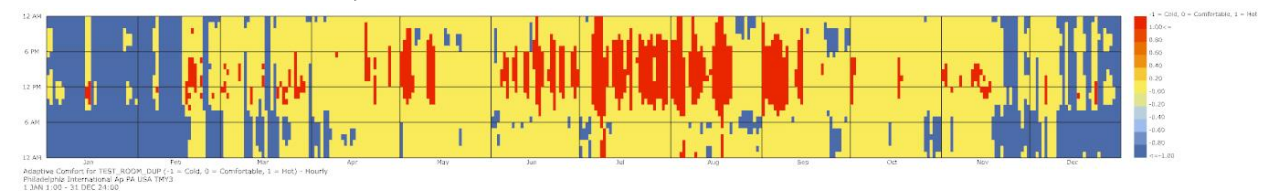


1. Tilt Shading
2. Thicker Wall (ASHRAE 2010 - Comfort Zone 7)
3. Low-e Glass

7.02%

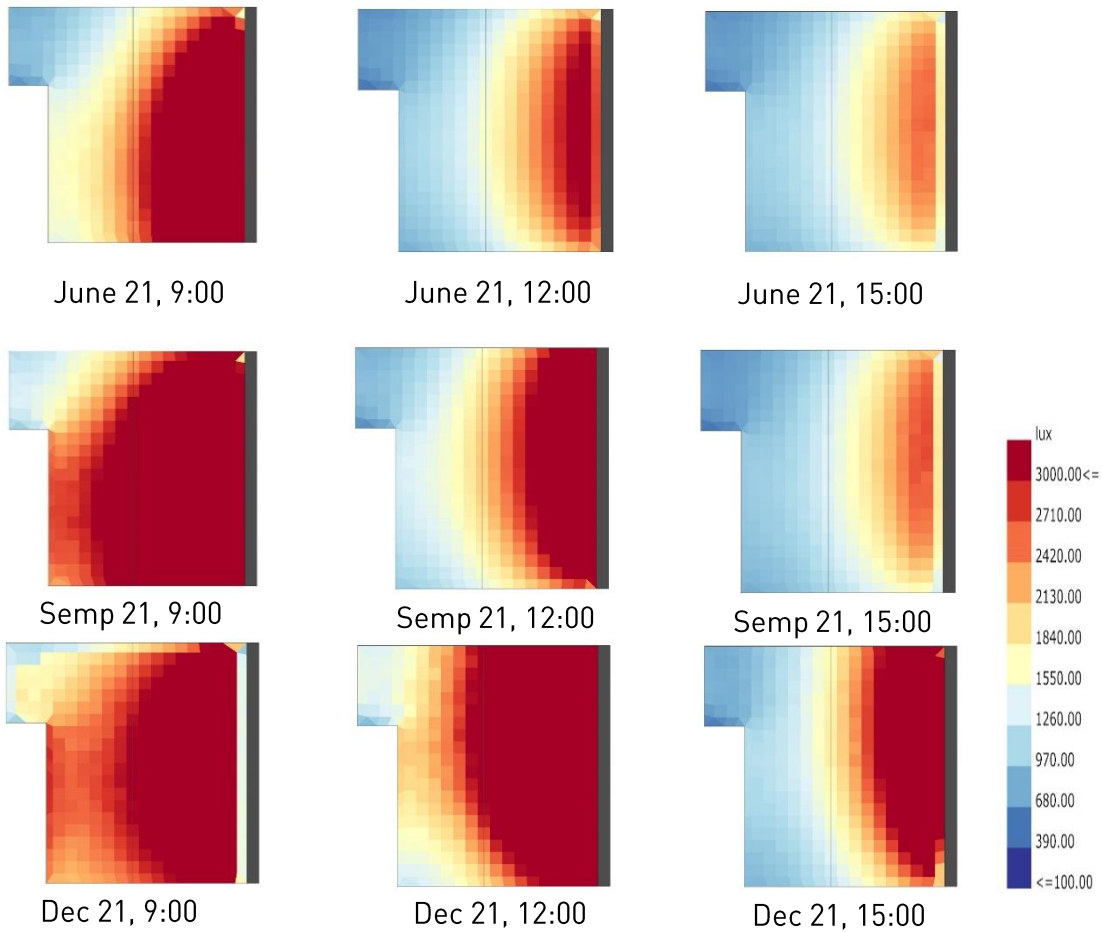


Adaptive Chart



# Daylighting Analysis Comparison

## BASELINE



## Add New Shading System

