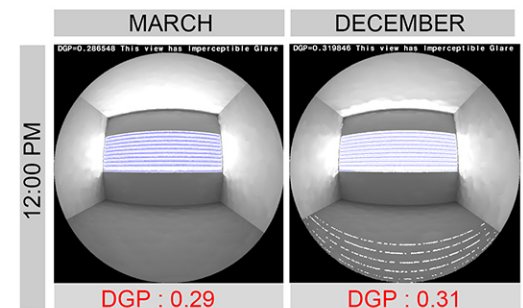
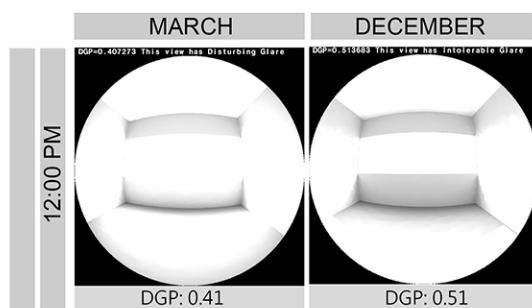
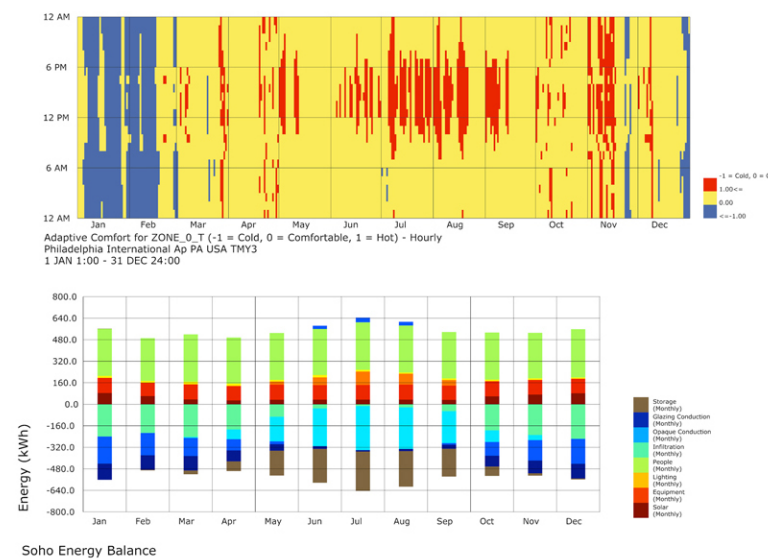
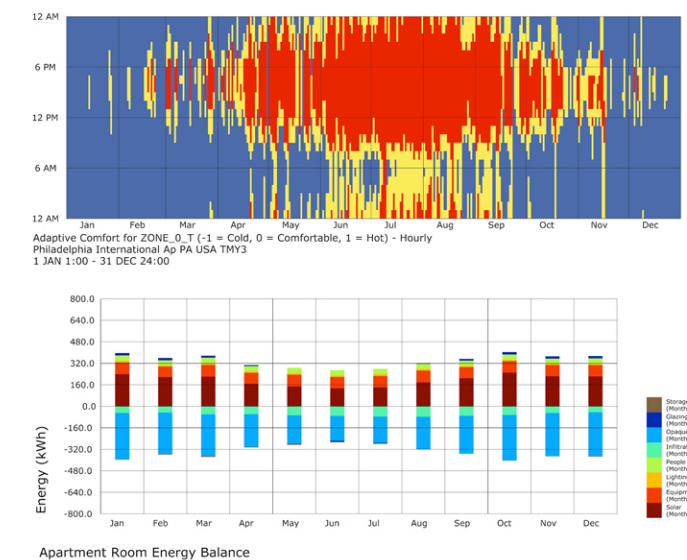
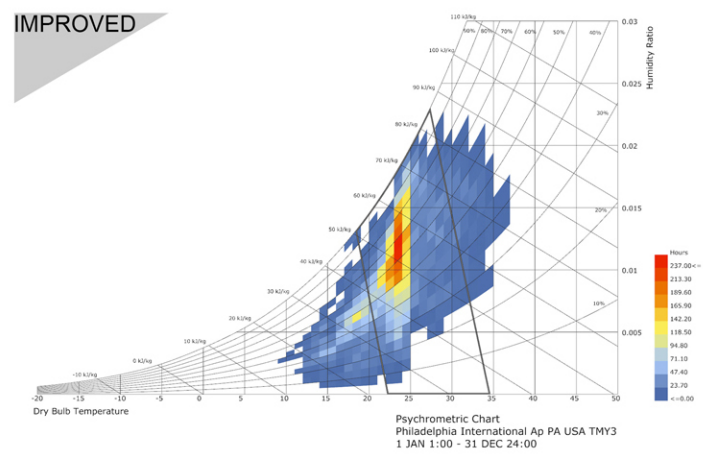
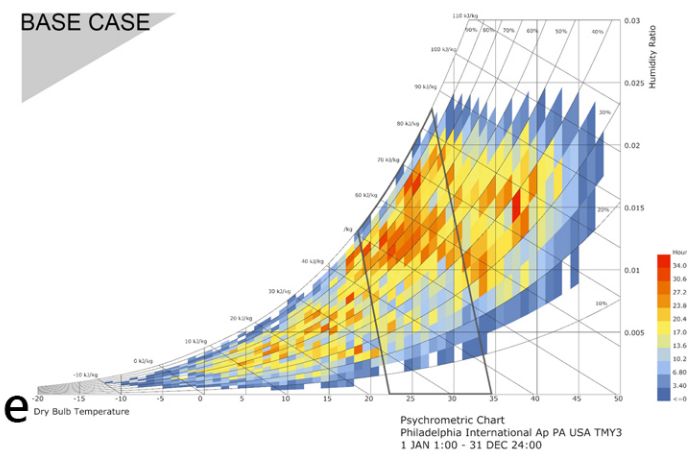


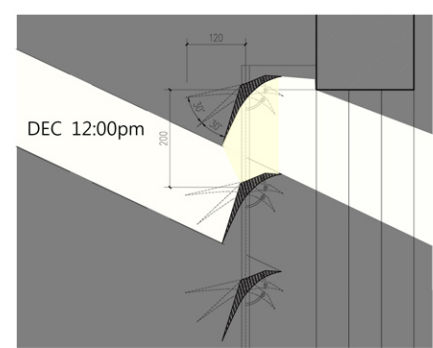
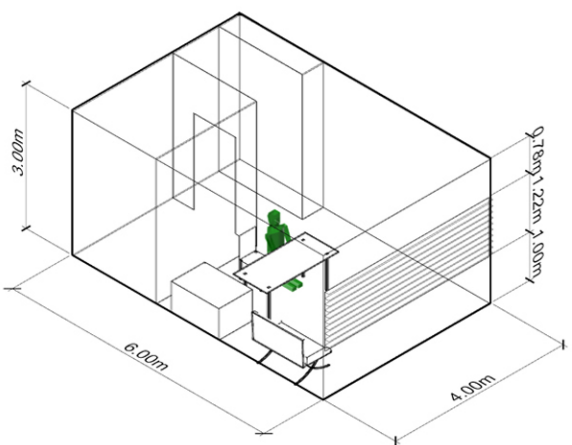
Simple  
Smart  
Shading

75% comfort time  
58% SDA



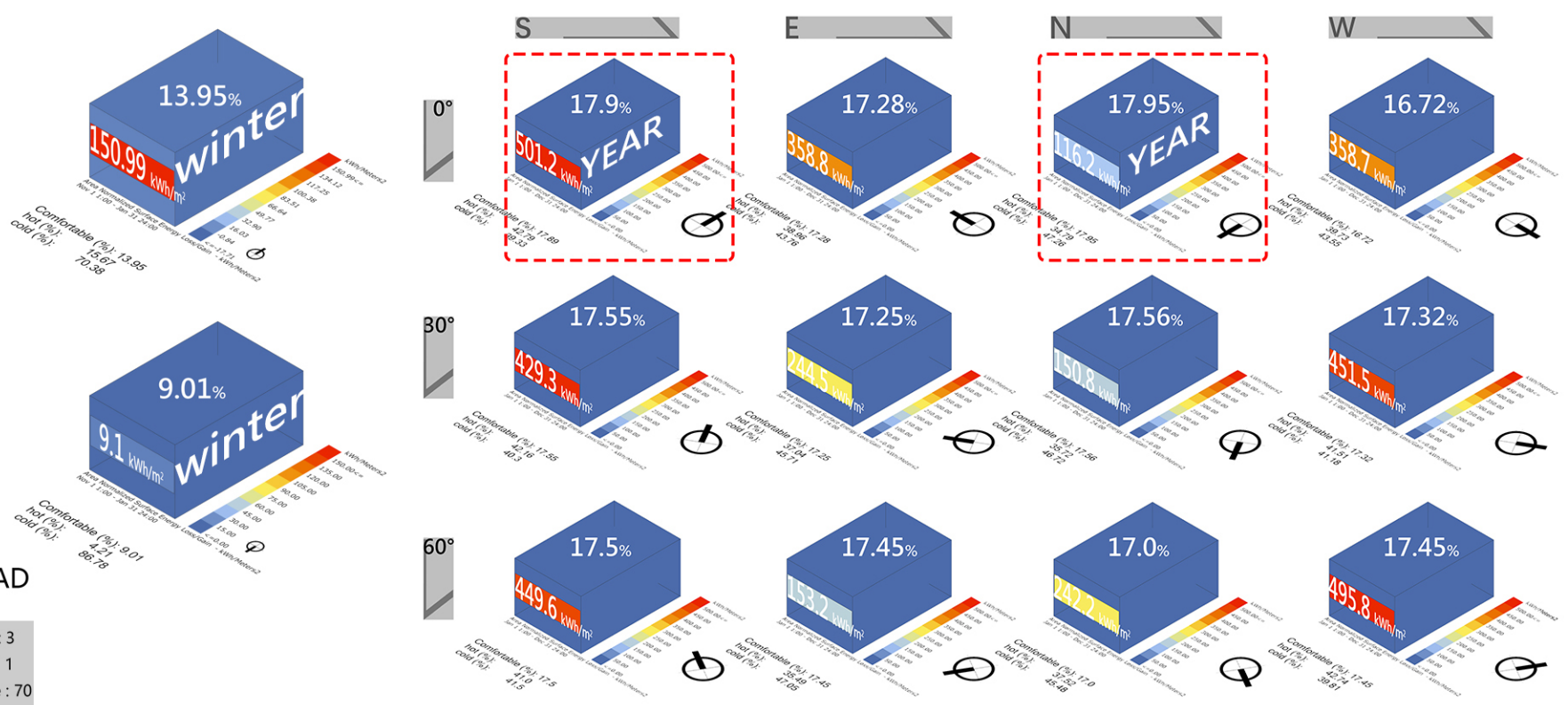
< Imperceptible glare: 35%

Installing the rotatable blinds can efficiently reduce the DGP (Daylight Glare Probability) · this shading device can also hold the SDA (Spatial Daylight Autonomy) exceeding the LEED standard which requires the DLA Illum Thresholds value (300lux)for at least 50%.



## Optimizing Process

| Orientation → DAYLIGHTING → VENTILATION → MATERIAL → FAN FLOW & LOAD |  |  |  |   |
|--|--|--|--|---|
| South  | Glazing Ratio: 38%<br>Horizontal blinds:<br>Depth:120mm<br>Width: 3900mm<br>Quantity: 10 | Mim Indoor Temperature : 24 °C<br>Maxi Outdoor Temperature : 28°C<br>Equipment Load Per Area : 6<br>Light Density Per Area : 3<br>Num of People Per Area : 0.2 | Exterior Wall : R 34.3<br>Exterior Window : R1.9 SHGC 0.39<br>Exterior Roof : R 34.3<br>Air Flow : 1<br>Ground floor EP Construction : 8 inch Concrete | Fan Flow Rate : 3<br>Fan efficiency : 1<br>Fan Pressure Rise : 70 |



Energy simulation with comfort calculation of 12 directions can screen out the best option of the orientation. Base on the charts, SOUTH & NORTH may be two of the best choice. Next sept will analyze the situation of two options in winter .