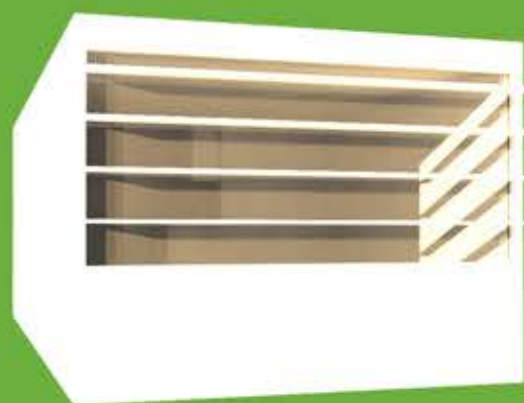
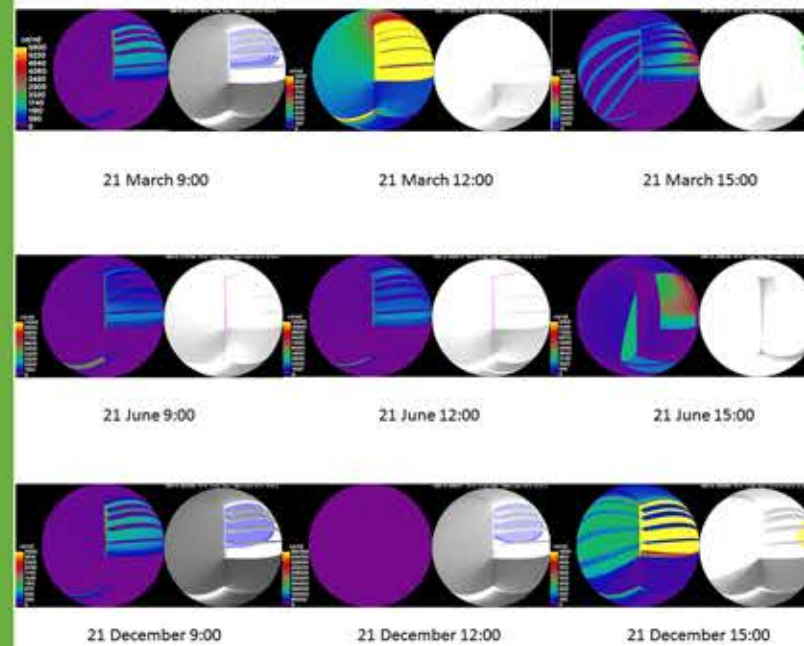
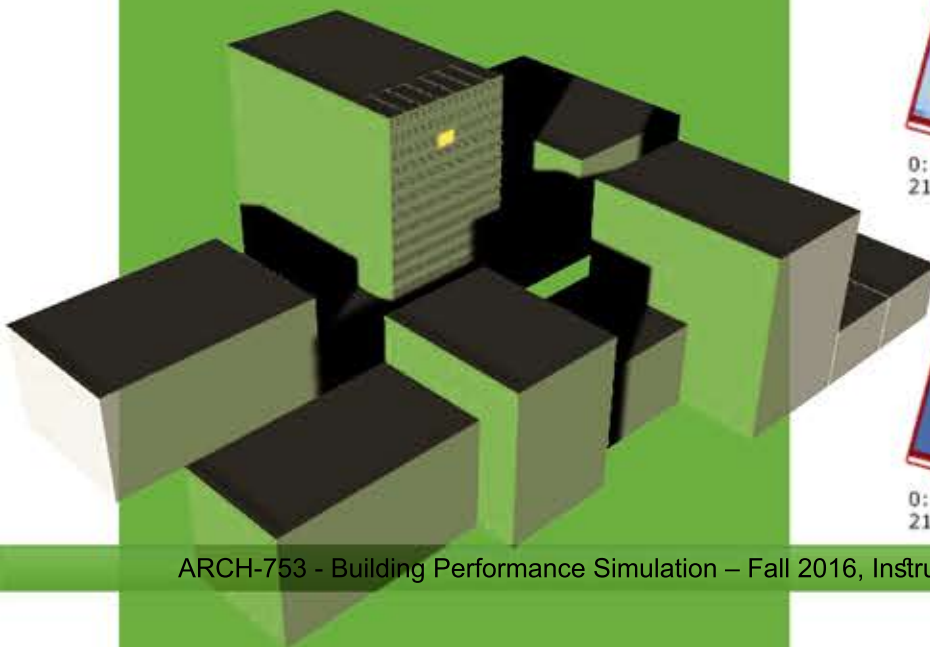


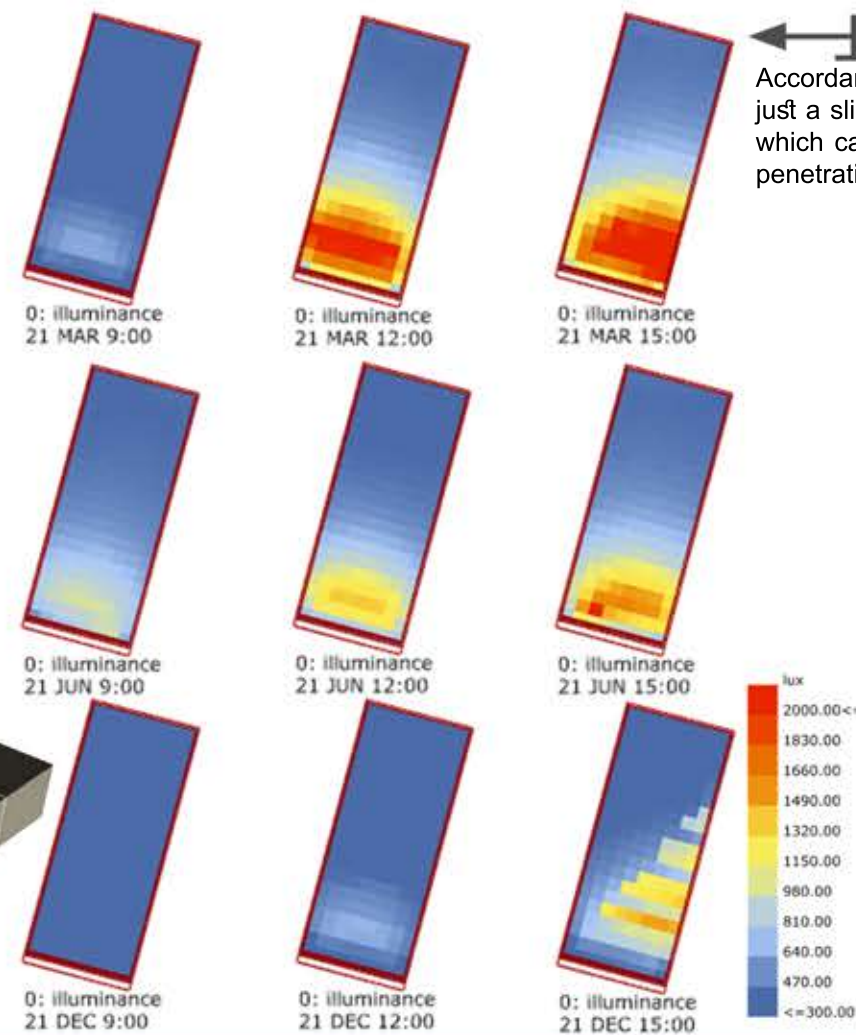
Natural Comfort in My Dream Room



Percentage of Comfortable Hours : **53.04 %**
 Percentage of Hot hours : 16.26 %
 Percentage of Cold hours : 30.71 %
 Depth and Number of Blinds : 0.3 & 4
 R value for Wall : 34.4
 R value for Window : 0.7
 R value for Roof : 34.4
 Thermal Mass : 4 inch concrete
 Air Change hour : 2
 Min Indoor Temperature for Natural Ventilation : 25
 Min Outdoor Temperature for Natural Ventilation : 15
 Fraction of Glazing Area Operable : 0.8



Poin in Time Daylighting Analysis



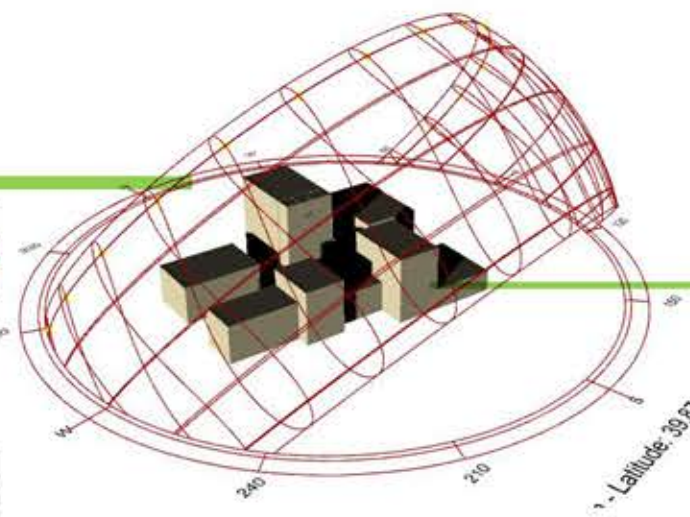
Almost all the time we have just imperceptible glare which is basically no glare and so we don't have any problem. Just in some cases same as the result is daylighting analysis we have glare issue which is acceptable if we want enough daylight.

Accordance to Daylighting Analysis, Glare seem to be just a slight problem in March noon and afternoon time which can be acceptable due to the desire for enough penetration of light into the room.

annual analysis UDLI Percentage of Time Between 100-2000

The percentage of time room is well daylit is a really good amount and the result seem to be satisfying. Those parts with less percentage of UDLI are just corridors and closed spaces.

The Best Percentage achieved is 50.04 and still percentage of cold hours is more than percentage of hot hours. That may be cause of natural ventilation and infiltration rate, but the overall achievement seems to be reasonable and acceptable.



Sun Path Diagram Applied to Final Model

Energy Analysis of Final Design Approach

