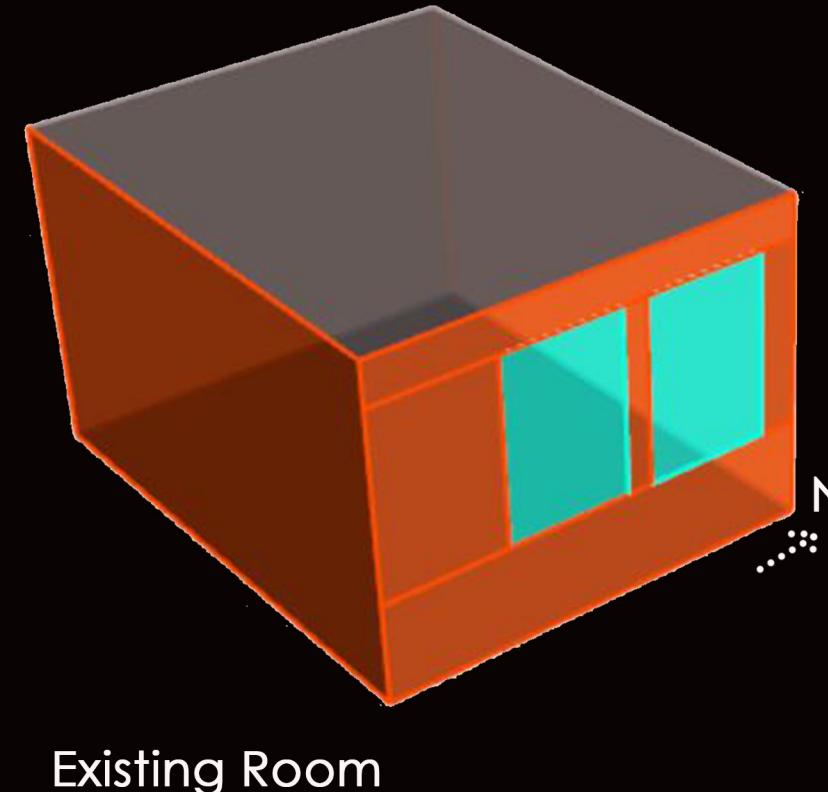
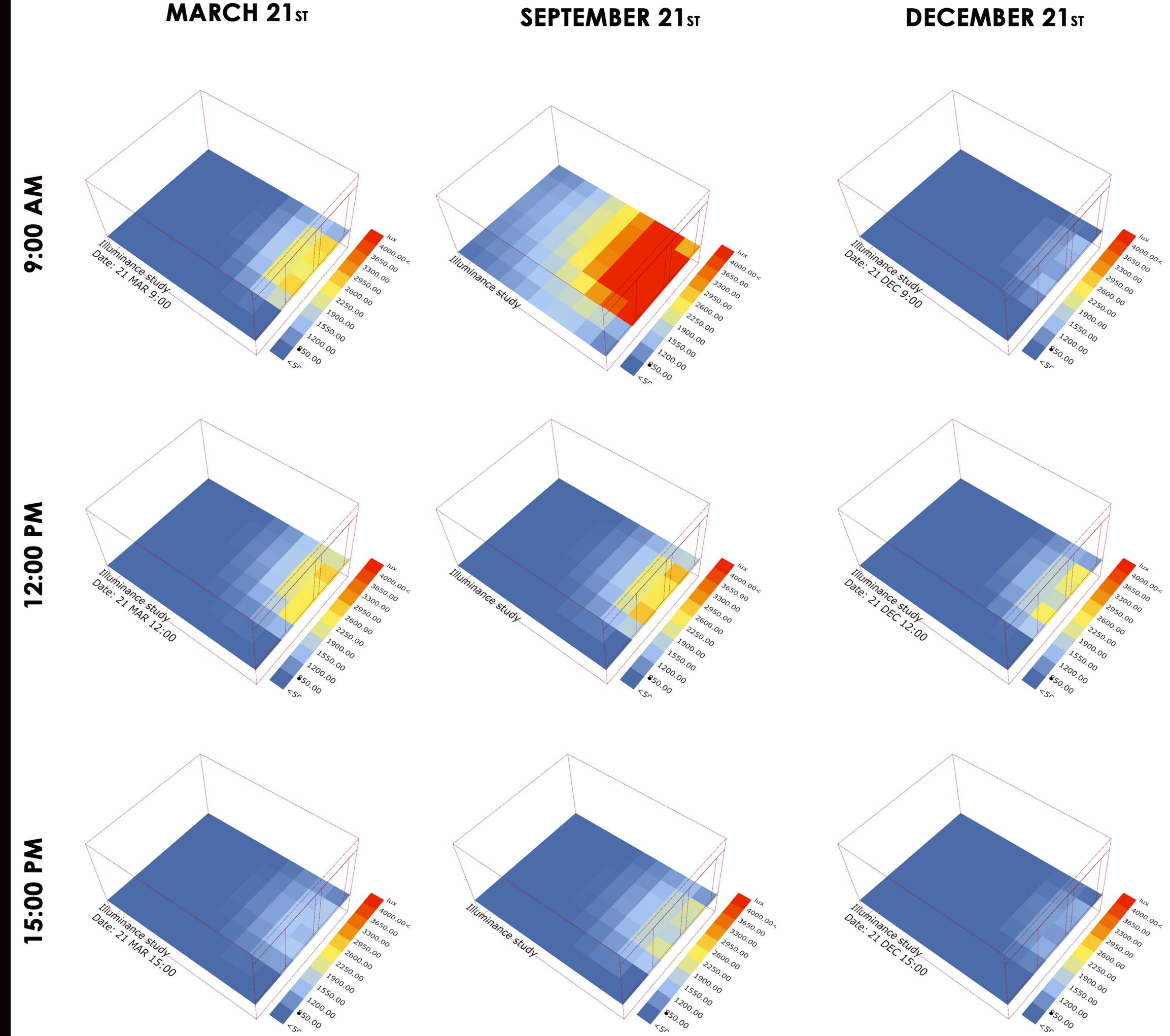


# DAYLIGHT SIMULATION OF THE ROOM IN EXISTING SCENARIO

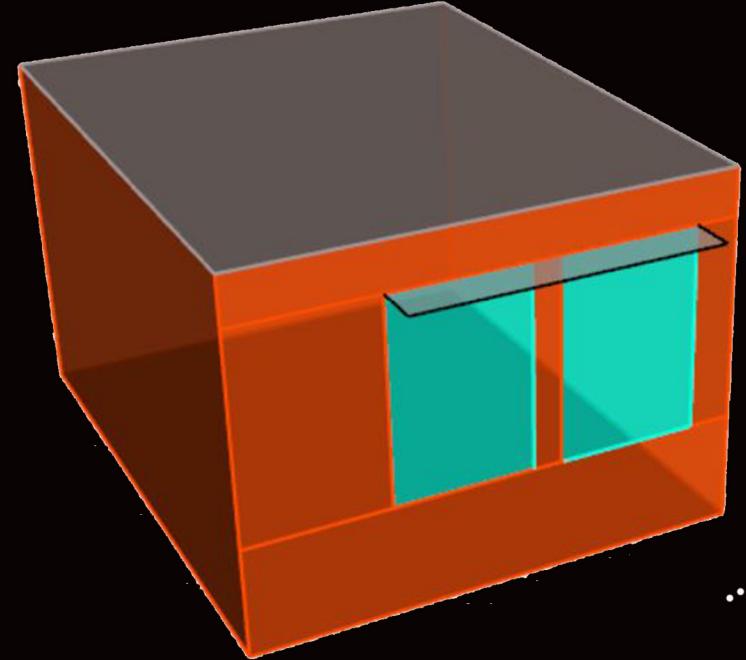


Existing Room

Both the windows of the room are facing east side. we generally have a problem around 9:00 AM when direct sun is entering the room. we need to design a shading device, which can reduce the excess light during morning time. although morning light is good for our health, during summer months its going to cause problem.



# DAYLIGHT SIMULATION OF THE ROOM WITH PROPOSED SHADING



Existing Room with a proposed horizontal shading device

We are able to reduce the amount of daylighting in the morning. But still, it is more than required. We need more horizontal shading to control the daylight

9:00 AM

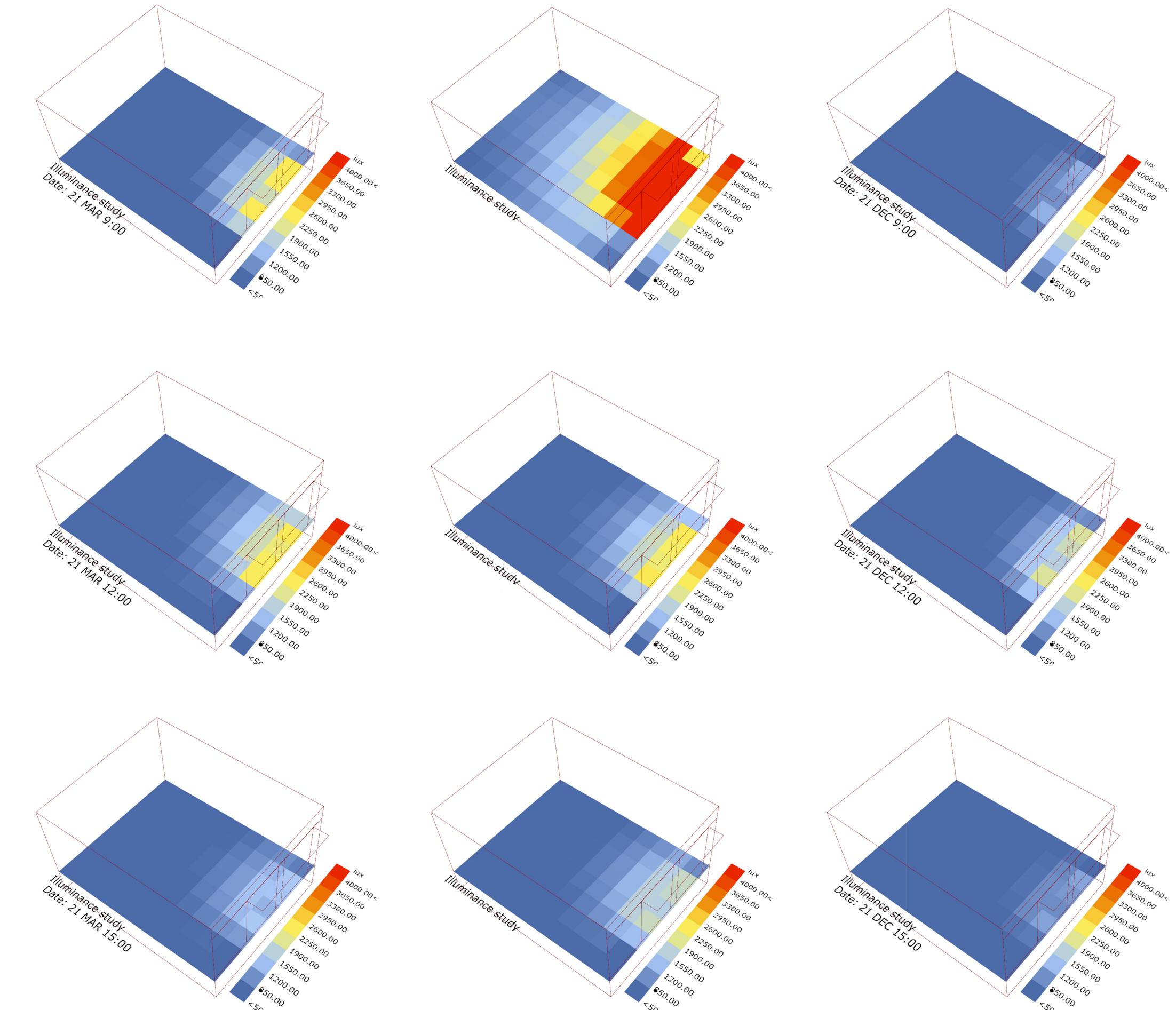
12:00 PM

15:00 PM

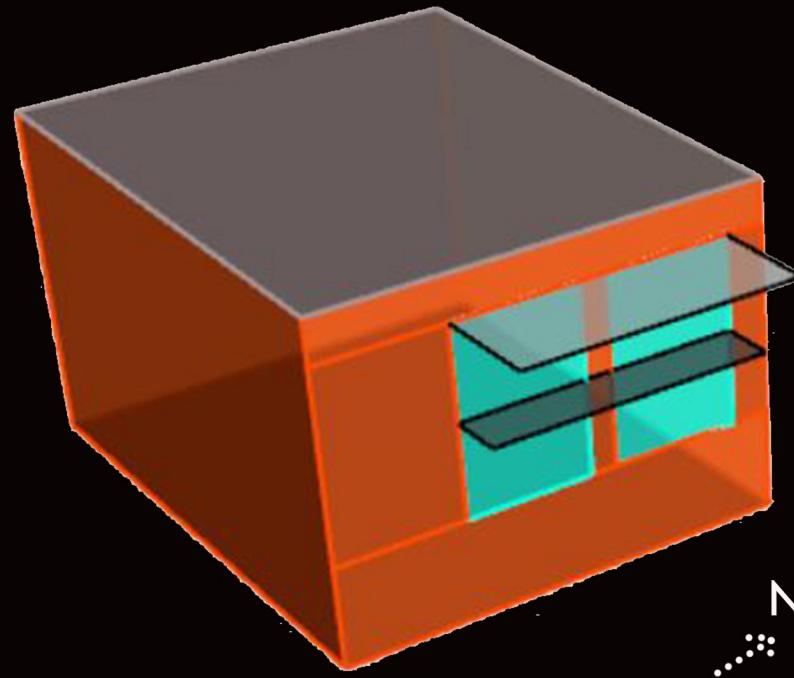
MARCH 21<sup>ST</sup>

SEPTEMBER 21<sup>ST</sup>

DECEMBER 21<sup>ST</sup>



# DAYLIGHT SIMULATION OF THE ROOM WITH PROPOSED SHADING.

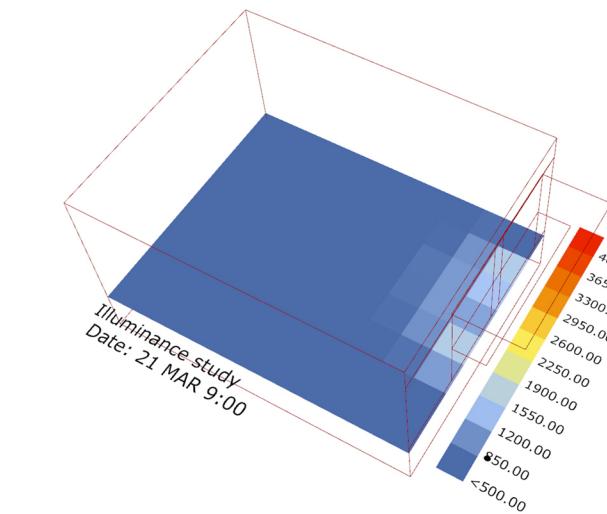


Existing Room with a proposed horizontal shading device

We are able to reduce the amount of daylighting in the morning. But we have a particular strip in the near the window which requires to be shaded.

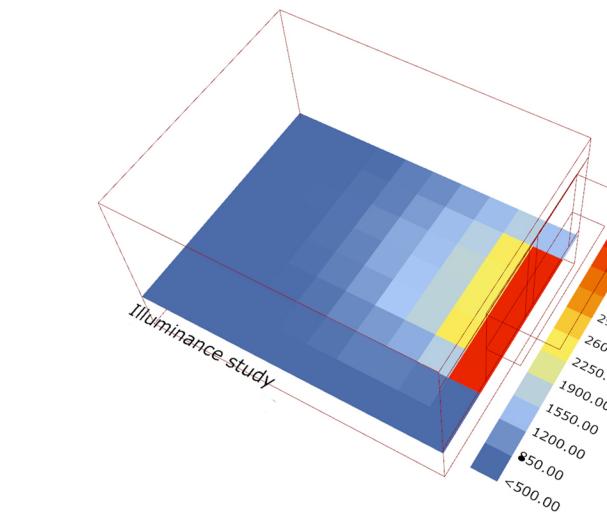
MARCH 21<sup>ST</sup>

9:00 AM



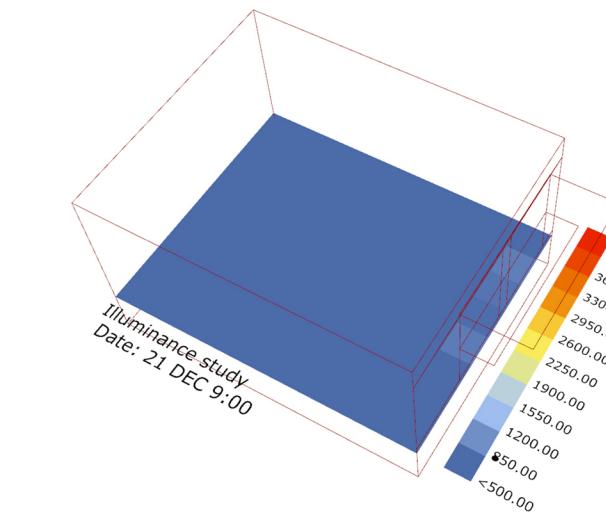
SEPTEMBER 21<sup>ST</sup>

12:00 PM

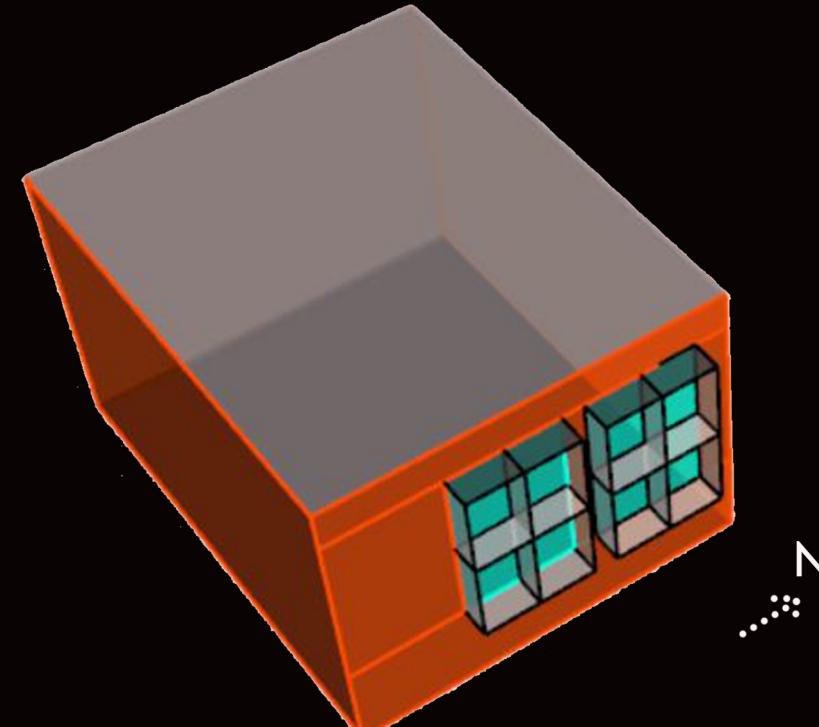


DECEMBER 21<sup>ST</sup>

15:00 PM



# DAYLIGHT SIMULATION OF THE ROOM WITH PROPOSED SHADING.



Existing Room with proposed shading

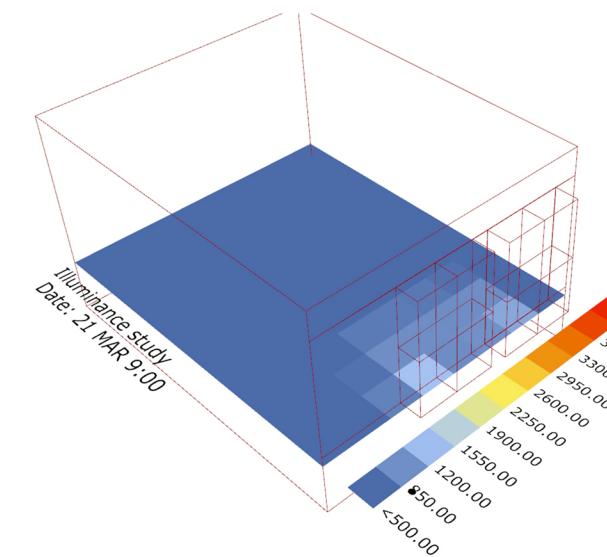
With this shading we are not able to reduce the problem of excess light. Some amount of light is reduced but excess light is still there. We can try introducing an angle in the shading.

9:00 AM

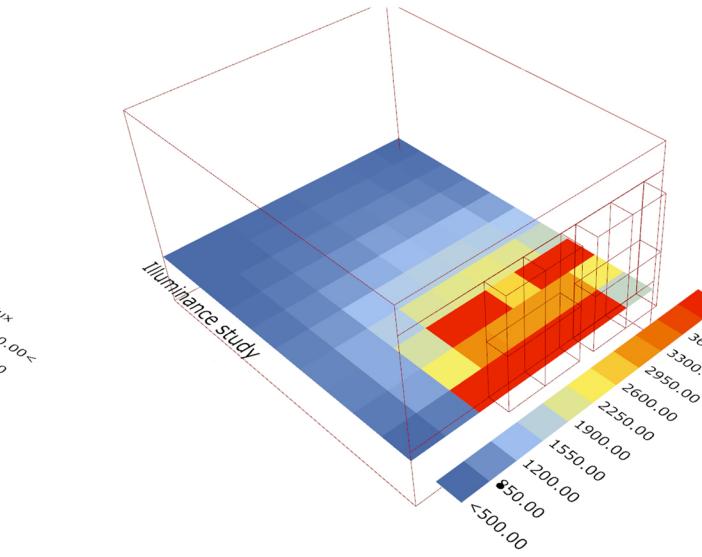
12:00 PM

15:00 PM

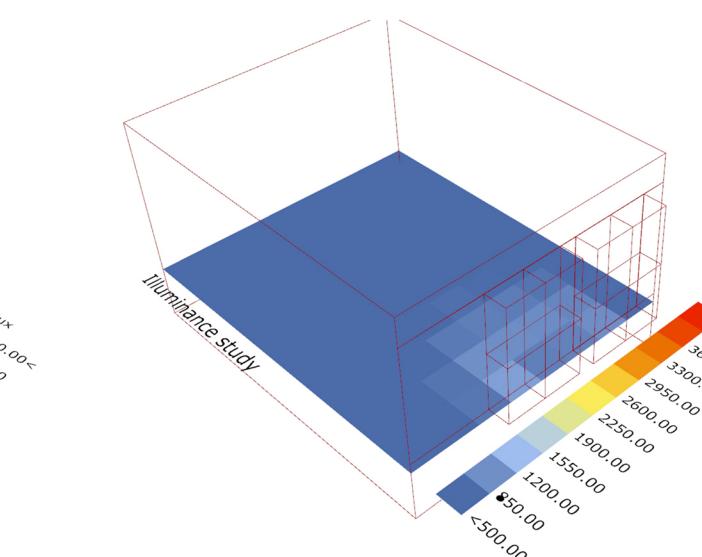
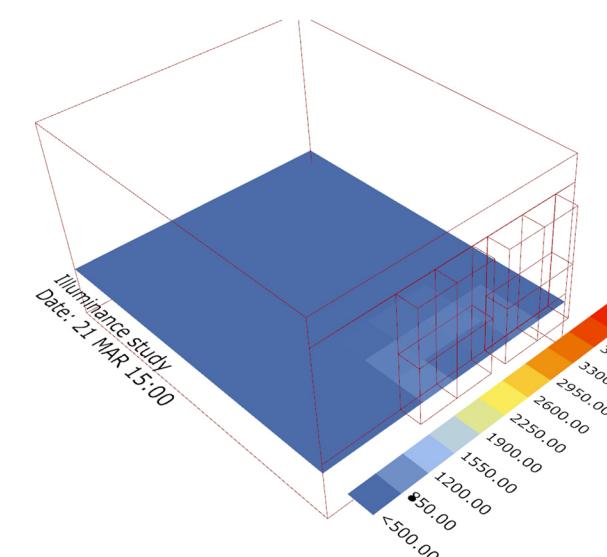
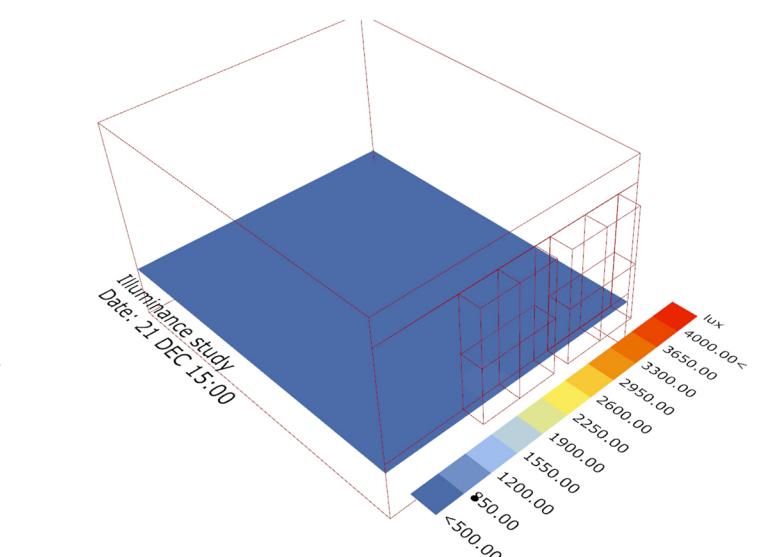
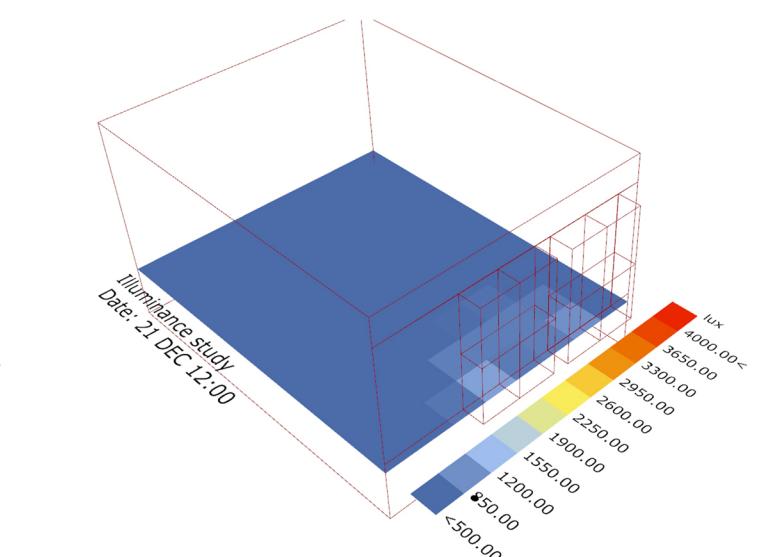
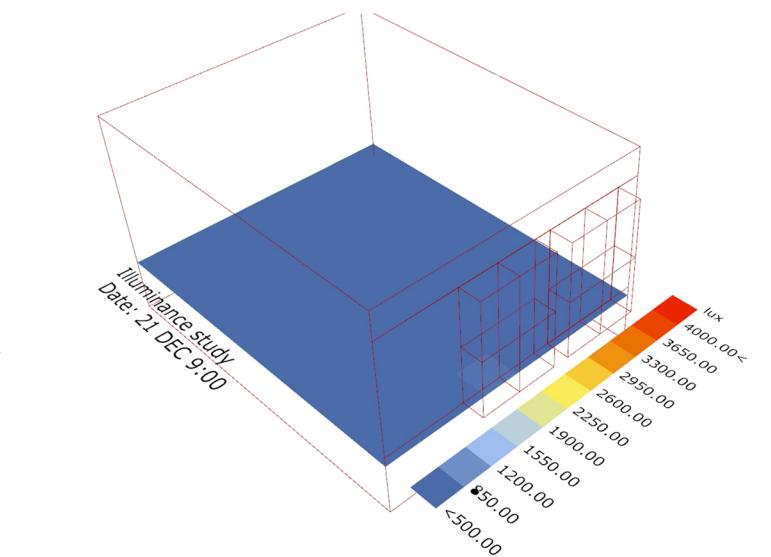
MARCH 21<sup>ST</sup>



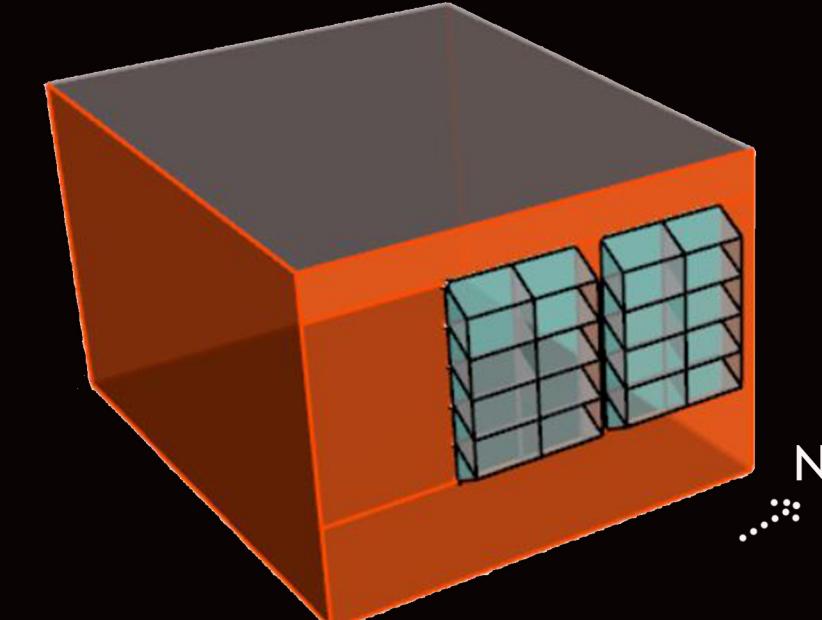
SEPTEMBER 21<sup>ST</sup>



DECEMBER 21<sup>ST</sup>

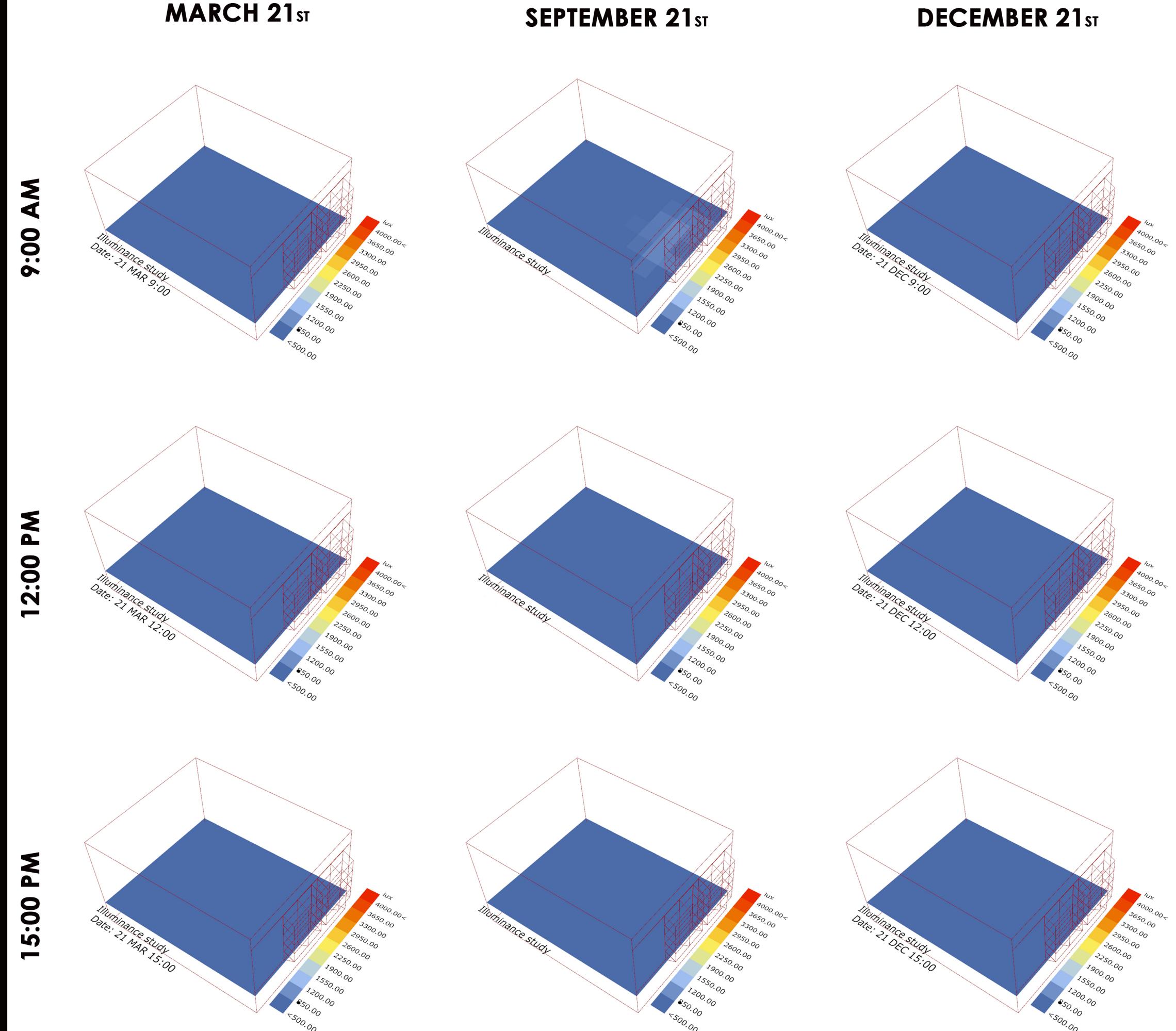


# DAYLIGHT SIMULATION OF THE ROOM WITH PROPOSED SHADING.

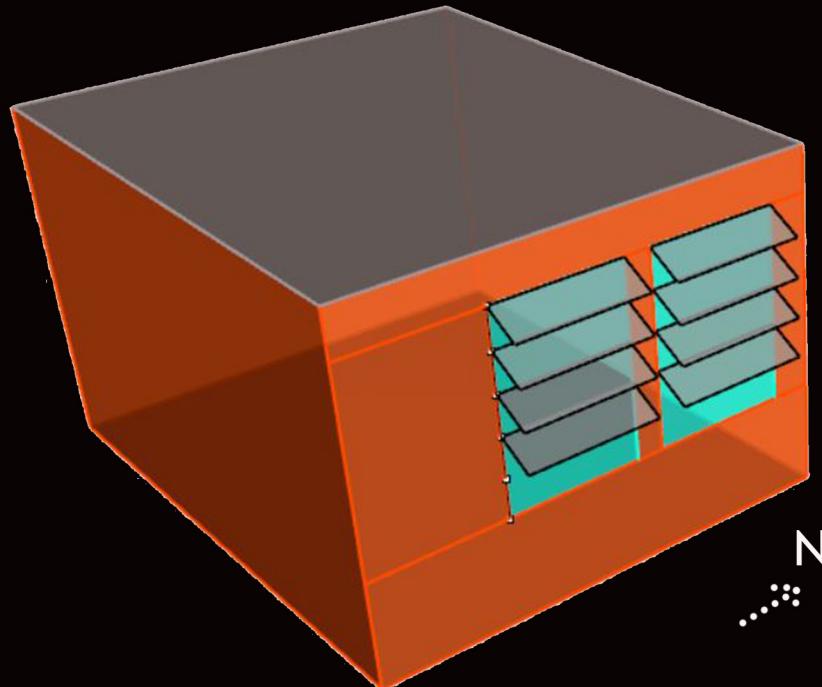


Existing Room with proposed shading

With providing a shading like this we are able to reduce the daylight during summers, but it might be too dark for the other portion of the room



# DAYLIGHT SIMULATION OF THE ROOM WITH PROPOSED SHADING.



Existing Room with proposed shading

Introduction of angle in the shading has helped in reduction of the light. But since we dont require vertical shading, we have removed the corner shading and we only having horizontal shading devices. The shading is working best for this scenario , we can use deflector to redirect diffused light till the end of the room .

