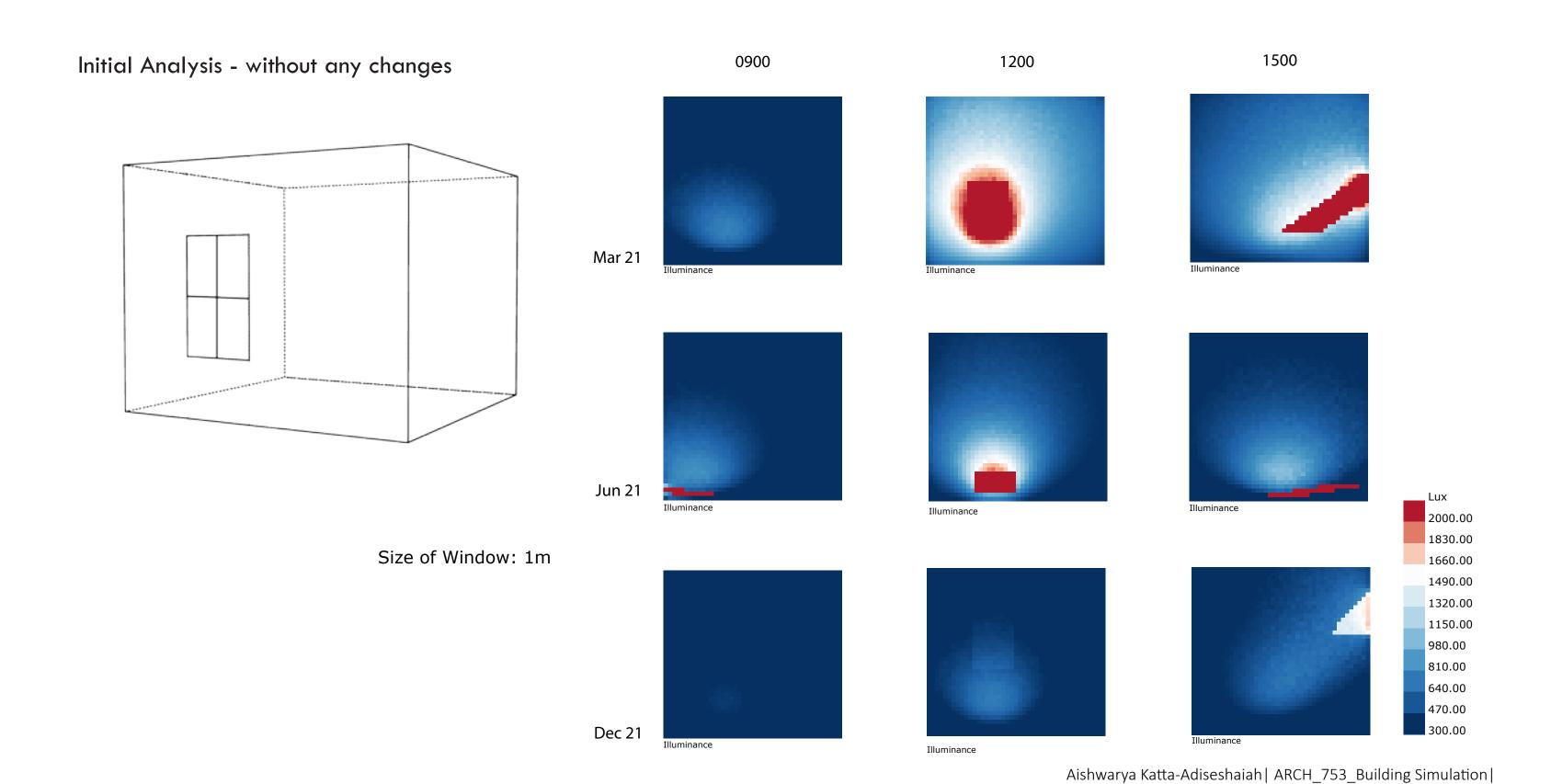
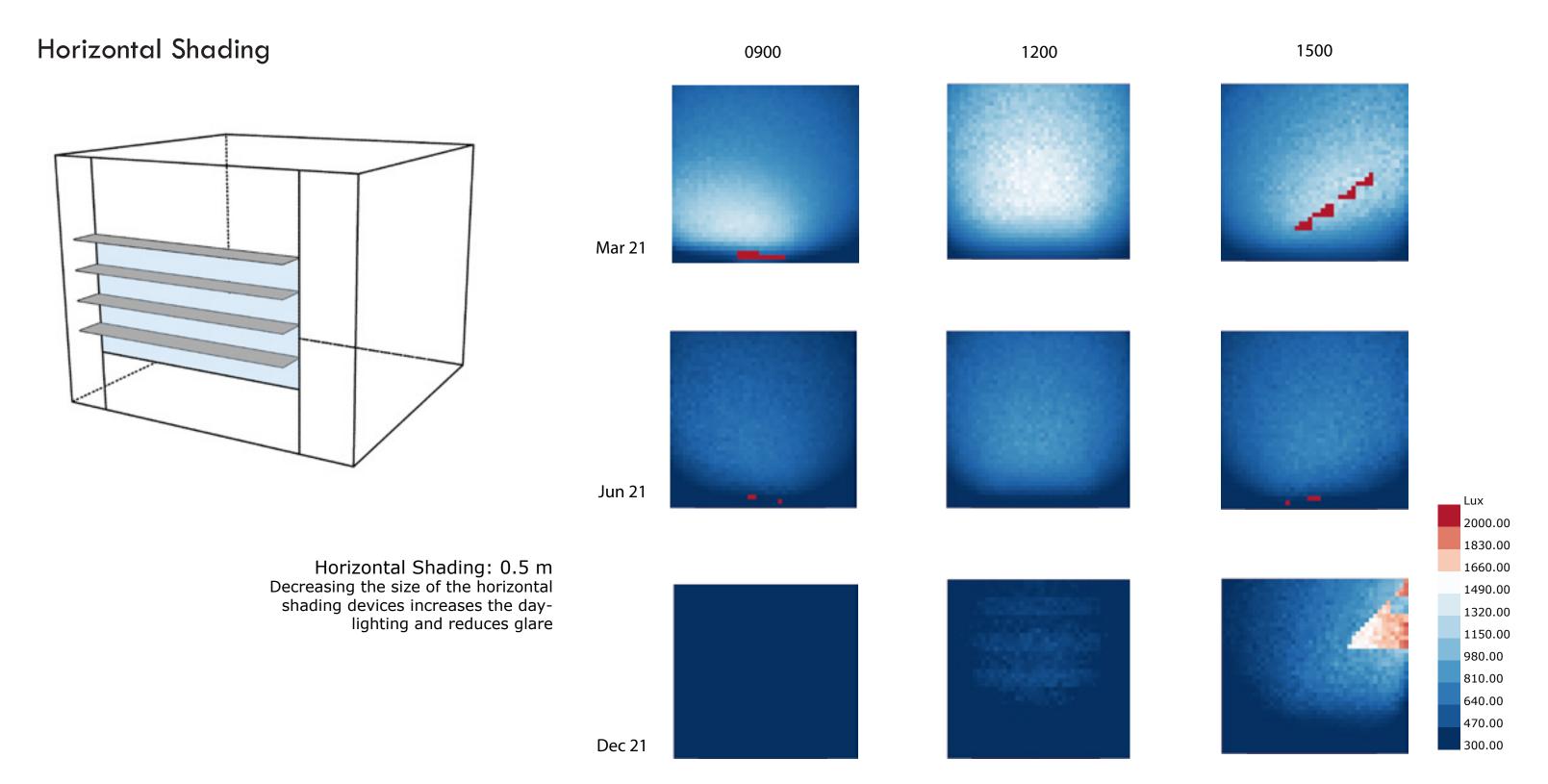
Annual Analysis

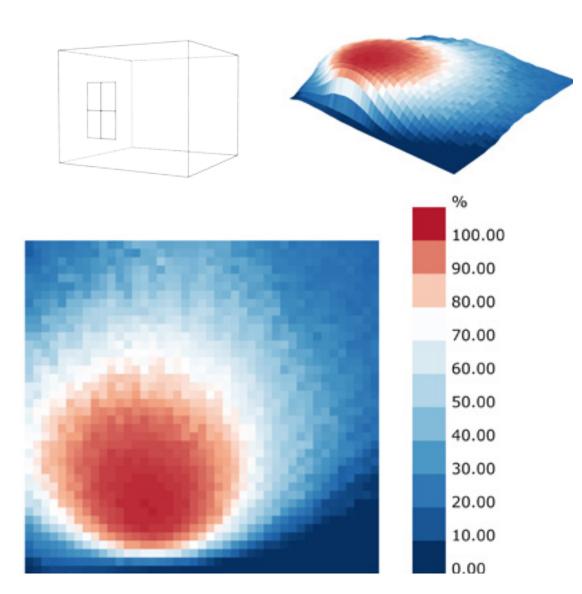
110N 34th Street, Philadelphia





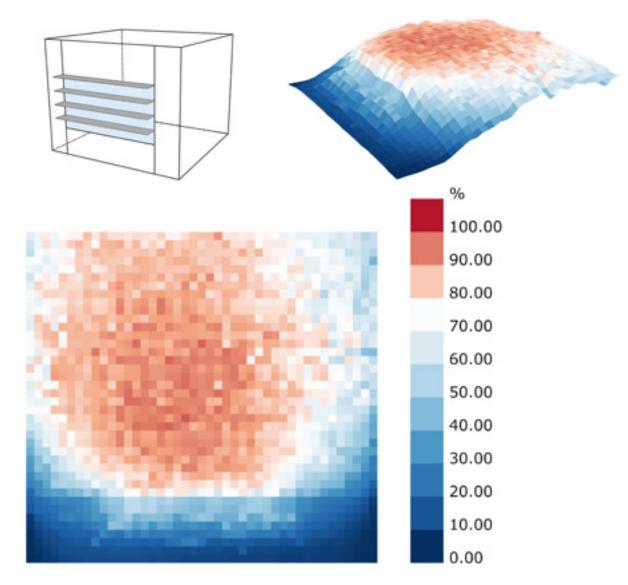
comparison between baseline & shading option Occupany Hours: 9am to 3pm

Baseline Analysis



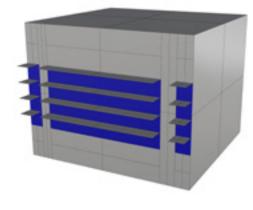
% Useful Daylight Illuminance Range: 100 to 2000 Lux

Larger window and shading



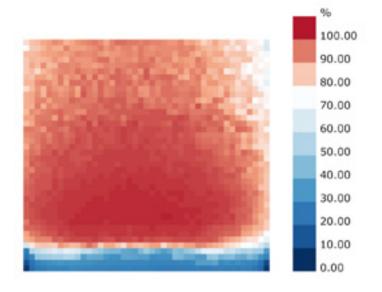
% Useful Daylight Illuminance Range: 100 to 2000 Lux

Although larger window and shading improves the useful daylight Illuminance, there are still few areas which require useful daylighting. NEW PROPOSED DESIGN - Option 1

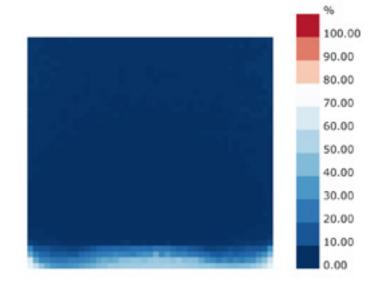


Occupany Hours: 9am to 3pm

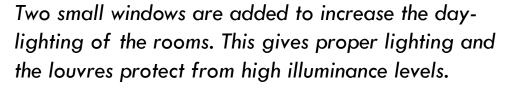
Ambient bounces: 3 Glass: Single Pane



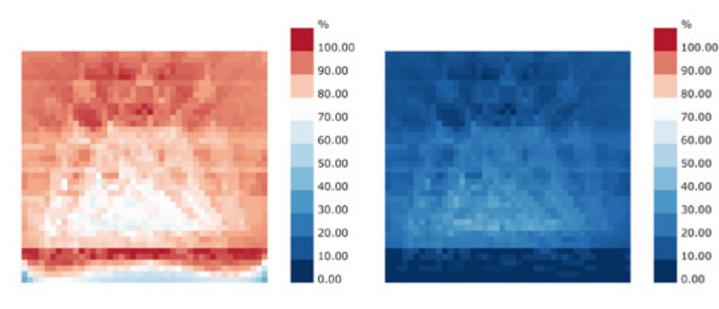
% Daylight Autonomy



% Useful Daylight Illuminance >100 Lux



This solution works because a 70-100% of UDI falls in the category of 100-2000 lux



% Useful Daylight Illuminance 100 - 2000 Lux

% Useful Daylight Illuminance >2000 Lux

100.00

90.00

80.00

70.00

60.00

50.00

40.00

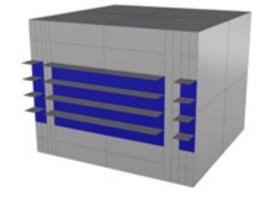
30.00

20.00

10.00

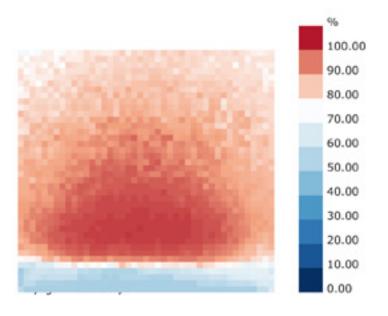
ANNUAL ANALYSIS FOR "DREAM ROOM"

NEW PROPOSED DESIGN - Option 2

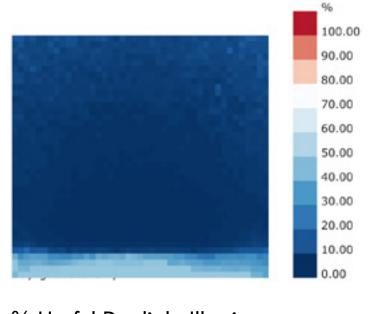


Occupany Hours: 9am to 3pm

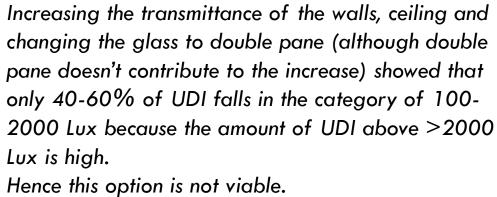
Ambient bounces: 4 Glass: Double Pane

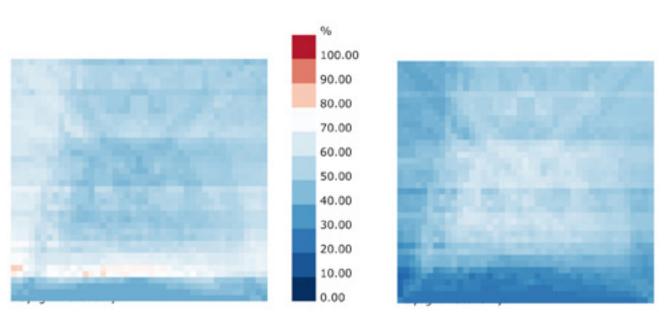


% Daylight Autonomy



% Useful Daylight Illuminance >100 Lux





% Useful Daylight Illuminance % Useful Daylight Illuminance >2000 Lux 100 - 2000 Lux

Option 1 of the new proposed Design was studied for glare analysis.

For the new proposed design, the glare levels for all shown situations are less than 0.35 DGP. This shows that they are all impercibibale glare which is acceptable.

