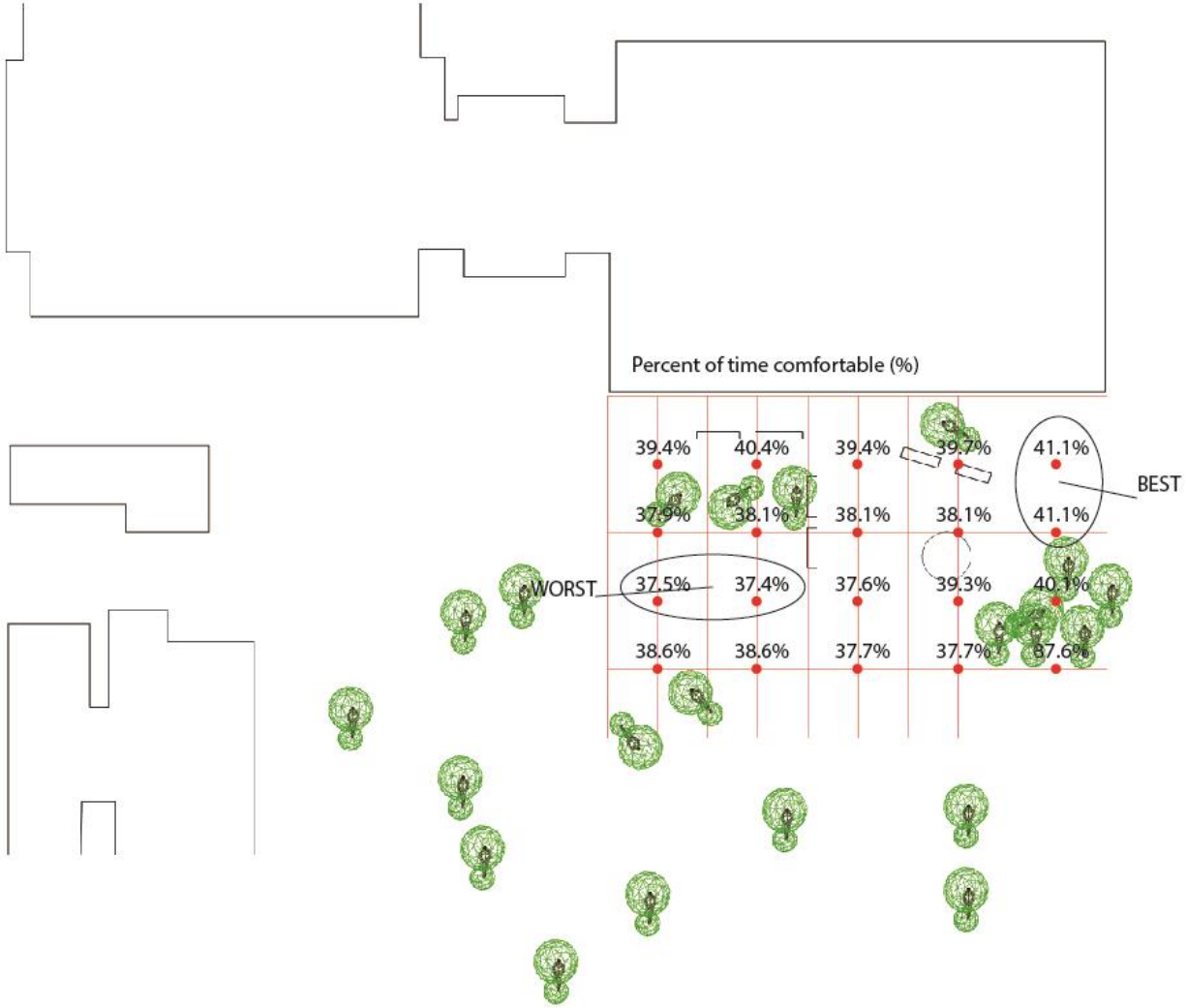
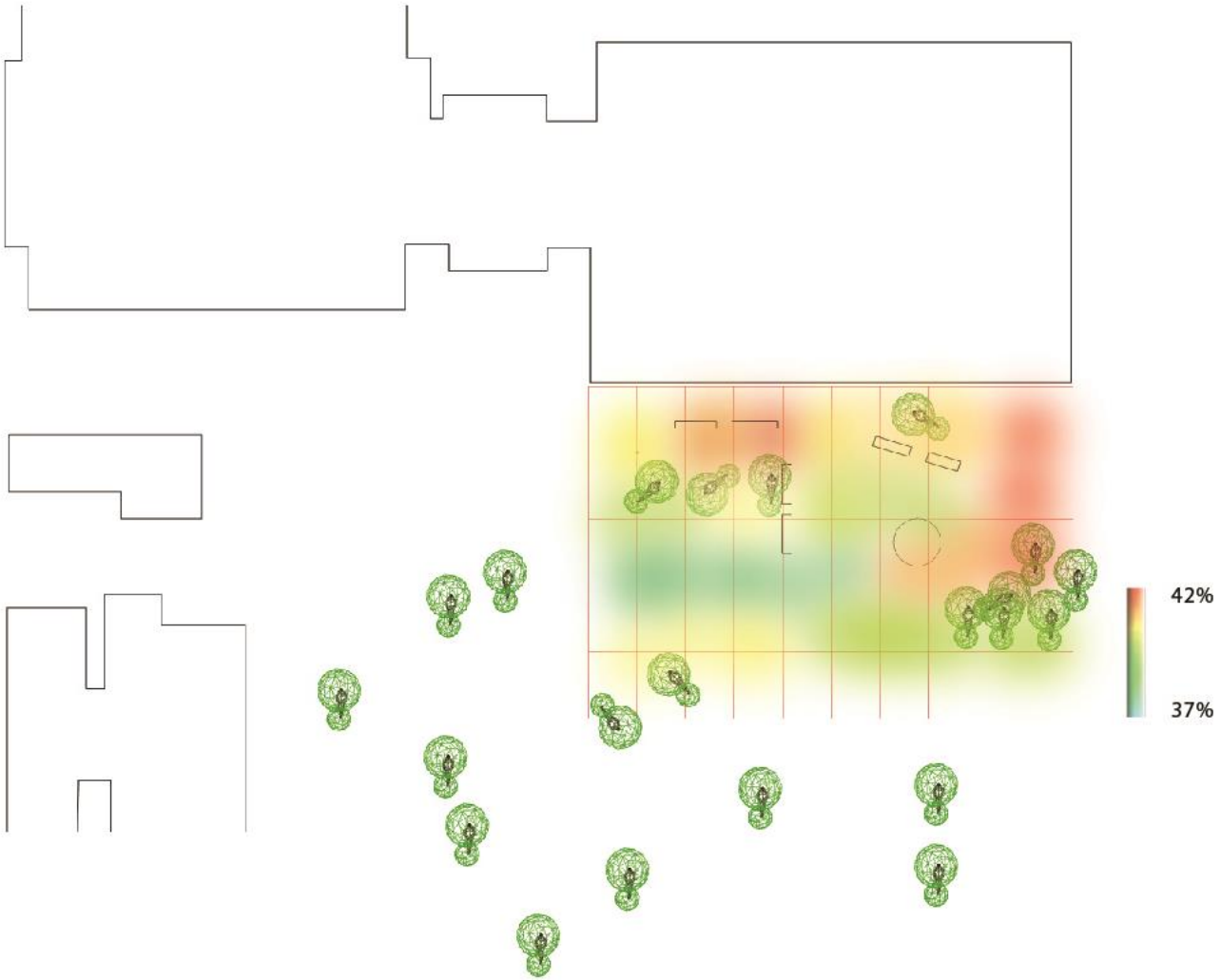
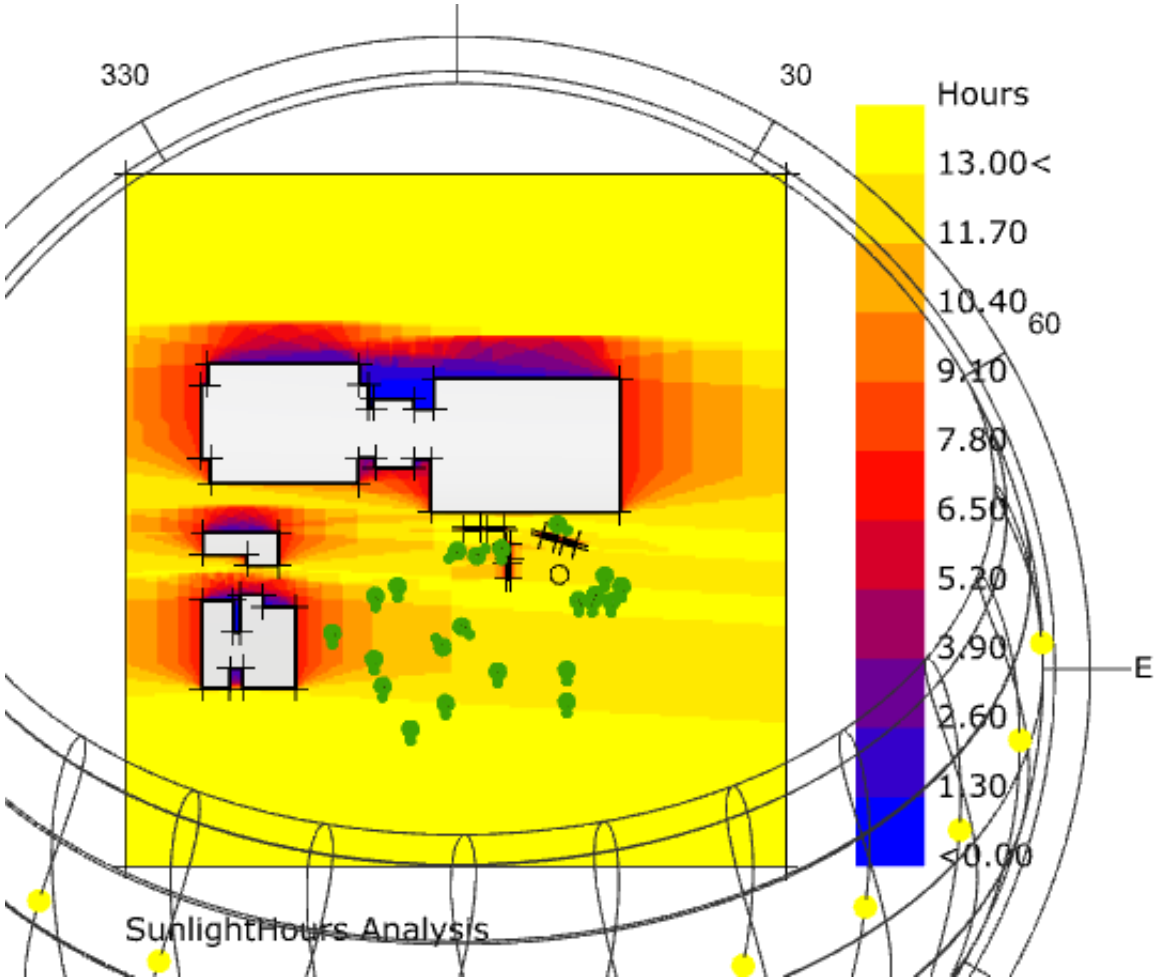
1. **Calculate the annual outdoor comfort for several locations in your site**
   SITE: In front of Van Pelt library




42%
37%

1. **THINKING PROCESS**: I assume the annual outdoor comfort is represented by percent of time comfortable. The first step is to divide the site into several zones using grids and measure the different points on the grids. Then according to the simulation, I found the zone which has the highest percent of time comfortable.

2. **DIFFERENCE BETWEEN THE BEST AND THE WORST LOCATIONS**:



From the sunlight hours analysis of the site, the worst locations have lower sunlight hours (around 10.40 – 11.70hours) while the best locations have higher sunlight house (around 11.7-13.00 hours).
The best locations are near the building and the dense trees which could create the shadows. However, the worst locations are in a relatively empty spot where the shades are not applied.

3. **What are the effective parameters that makes the best location perform better than other spots?**
   the sunlight hours and the geometry of the context

4. **What are the main limitations of the current simulation method for your study?**
   Firstly the geometry of the trees are not precise
   Secondly, the percentage of time comfortable is limited to fully represent annual outdoor comfort because it is just an average.
   Thirdly, the number of points selected are limited.