Group number: 5 Person leading this discussion: ???

Journal Paper: Assessment of Light Adequacy in Tropical City

|  |
| --- |
| **Aims & Motivation**: *What problem or issue does this paper address? Is there sufficient background/context given?*  Issues specific problems that specific crops have according to how the lights are adjusted. Lights affect each crops differently. High Temperature can be bad for certain crops but also good for others. This paper does actual research for crops in Singapore regarding tropical climates. Might be connected to Mexico City. They used the buildings topology and orientation to determine how much light plants receive if they are grown naturally. This paper provides specific info for some plants and crops. |
| **Knowledge:** *What have you learned from this paper? What other information do you require to help you with your work?*  All plants require many factors for actual growth, even though Light is just as important. Weather, shadows, humidity, temperature, radiation, carbon dioxide, etc. Knowing how much light, strength, angle and amount of time needed can greatly affect our design. |
| **Impact:** *Consider how you can incorporate elements of the papers’ knowledge and contribution into your design*  All the designs come after we math the light requirements for the crops we are planning to plant and grow. From buildings to light mountings, window plantings, movement, shadows, water, material and temperature. |
| **Actions:**   1. Decide which light and how much light is needed for chosen crops 2. Consult with other team members (farming and environment) to decide what kind of light is needed 3. Search ‘How to set-up the lights to benefit plant growth.’   …. |

Include this completed worksheet in your Assignment 1 report appendix.