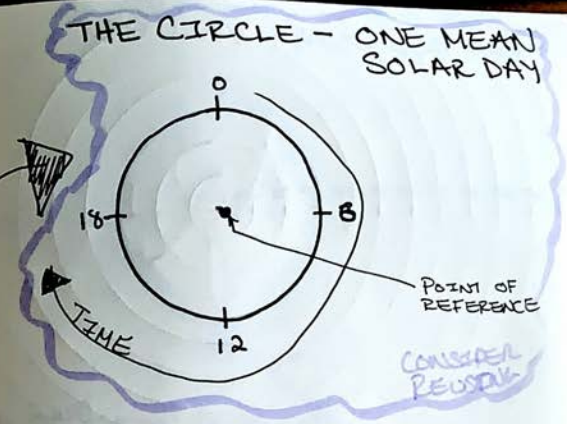
PROTOTYPE 3 – FORMATS

To make the project more manageable within the given time frame:

1. I've been working in D3 with radial graphing formats – radar plots, line radial, and radial bar charts.
2. I'm framing the project as a prototype design.
3. And will only use one day's worth of data to get it going.
4. While I need to work on text, I've also need to consider using a diagram as a key to explain the format of the chart.
5. Color – Still not picked. All used here are for diagrammatic purposes only.



Mathematical Review of Circles

$d = 2r$

$A = \pi r^2$

Circumference $= 2\pi r = \pi d$

Half Circles

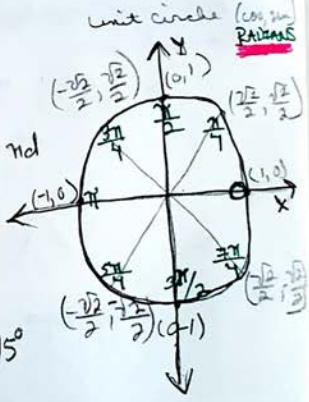
$d = 2r$

$A = \frac{1}{2}\pi r^2$

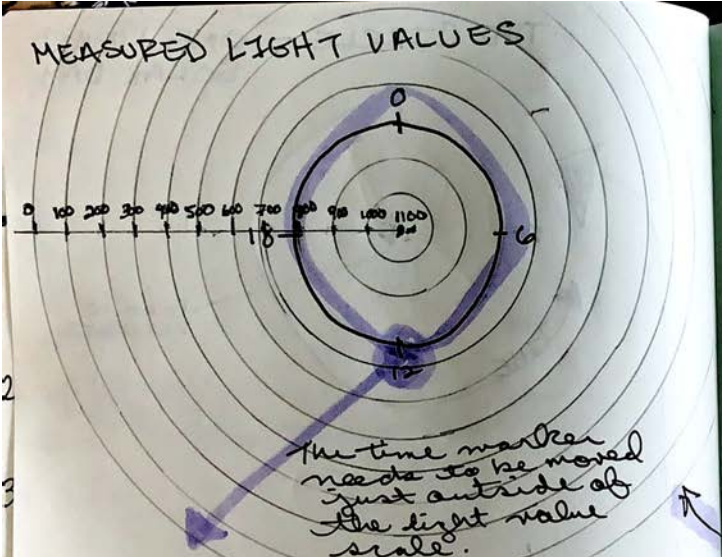
$C = \pi r + 2r = \frac{1}{2}(\pi d + 2r)$

Radians $= \left(\frac{\pi}{180}\right) \times$ Degrees

An hour is ~~than~~ 15°

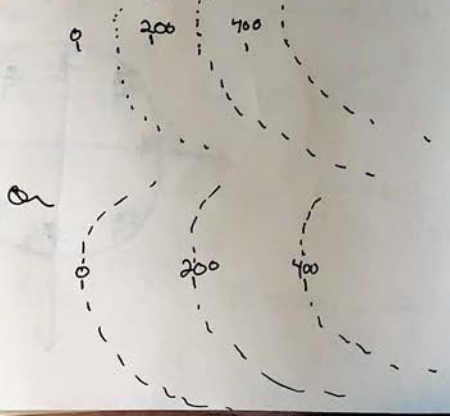


MEASURED LIGHT VALUES

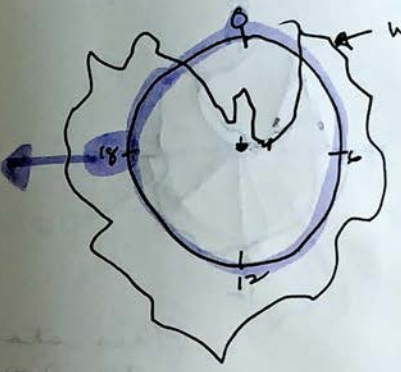


The time marker needs to be moved just outside of the light value scale.

I don't think the scale displayed needs to include all the values, it could be:

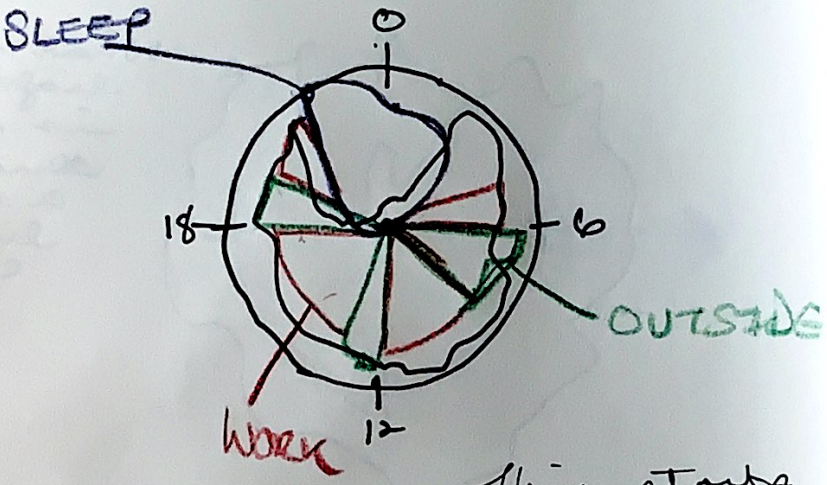


Anyway the lines should be minimal.

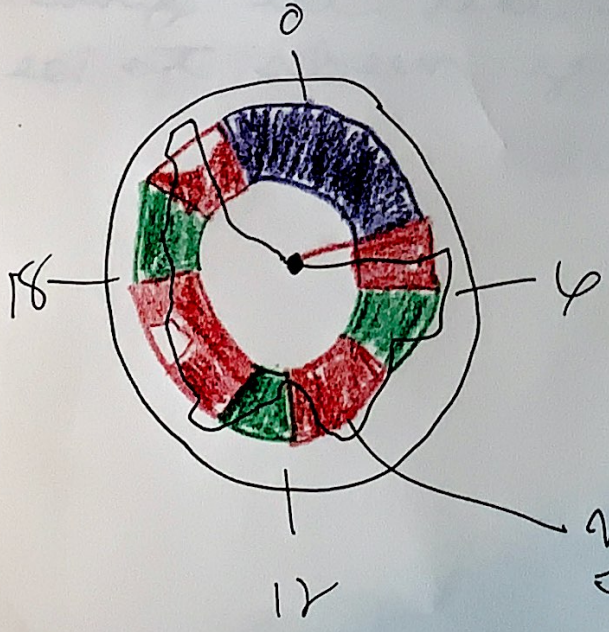


What if light value is displayed through a radial line chart?

This points to the fact that the final image needs to be big.



This starts to look like a weird pie chart. BLAH!



Not sold on the lifesaver look of a stacked bar but I might need to look at the data