

Ocean of Thoughts

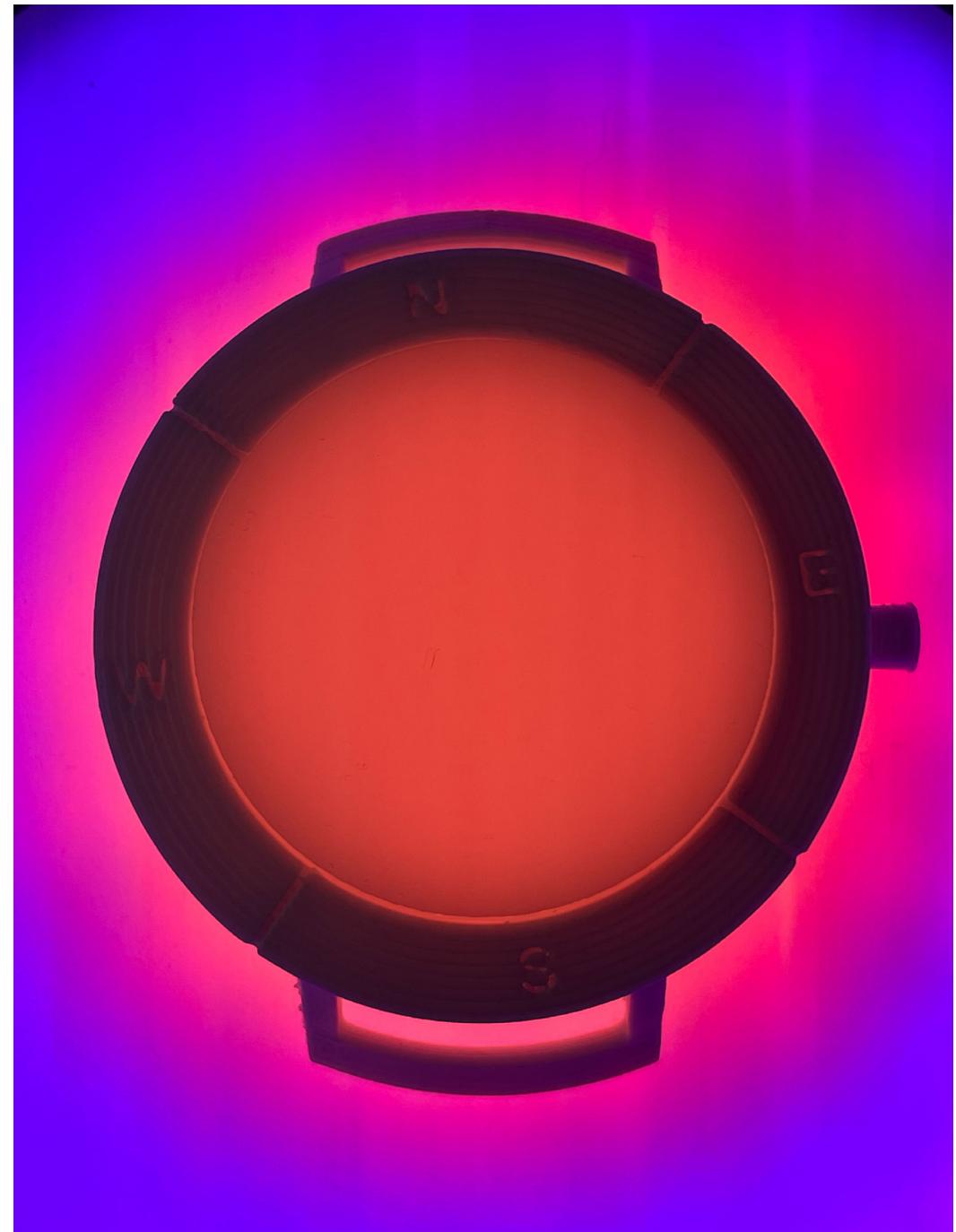
A daydreaming navigator

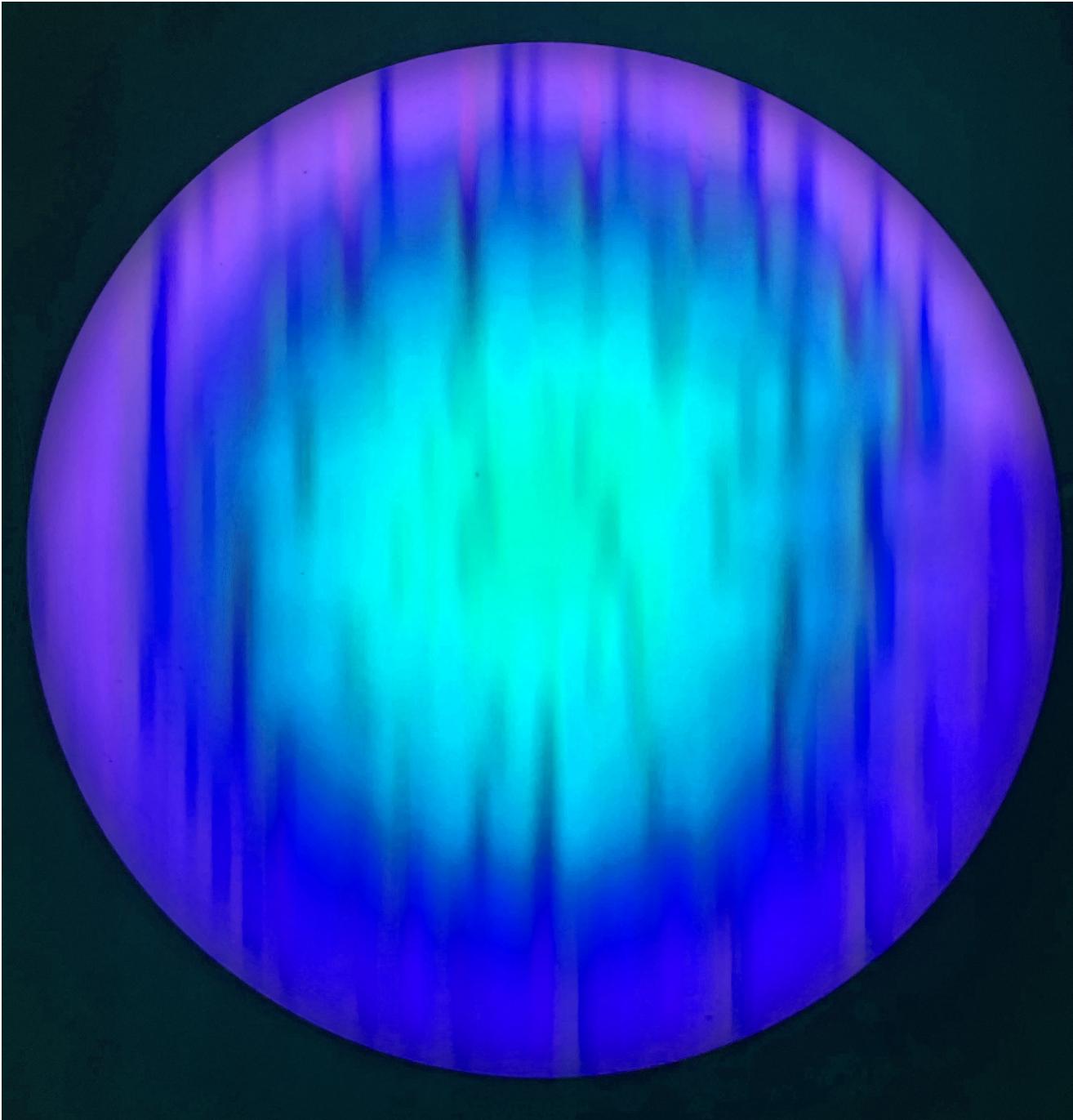
Project Description

Ocean of thoughts is a contemplative LED device. It acts as a navigation tool to embrace times of wandering in your mind.

Being the navigator of your thoughts, the trajectories you pick will drift your vessel to colorful seas and encounters. But beware, as the more you navigate, a storm gradually builds up to affect your journey. In the verge of the storm, your journey is reset, bringing you back to origin for you to further map out other locations in this ocean of thoughts.

The ocean of thoughts is a metaphor. As you use the device, phasing in and out of time frames when we temporarily lose focus from productive time or consciously daydream.





Field observations & Key Insights

1.

Interviews:

Where, When, How,
How long and how often do
people daydream?

Time study

People daydream everyday.
Length vary: if during work, social interactions
(shorter: seconds/minutes)
or while break, commuting and resting (longer: mi-
nutes)

2.

Observing and writing down:
Daydreaming ways of passing
time in an airport terminal
Body Gesture/Behavior study

Daydreaming ways of passing time in an airport terminal
People phasing out generally stand still:
standing up in line,
seated at coffee, gate

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process > initial research > interviews > Round-2 > interview-kit-2022-11-02.md # New interview kit
1 # New interview kit
2 This is to be more specific with what I want to get out of my observations.
3 my first interview results felt away from
4
5 **english**
6 - How often do you daydream? or let your mind wander away from your tasks?
7 - How long does those moments last, where and when does it happen?
8 - Does it happen randomly or do you have dedicated moments?
9 - What are to you advantages and/or disadvantages? in what way?
10 - Do you have an example of mind-wandering/daydreaming? for exemple the last time?
11
12 **french**
13 - A quelle fréquence rêvez-vous ? ou laissez-vous votre esprit vagabonder loin de vos tâches ?
14 - Combien de temps durent ces moments, quand et où se produisent-ils ?
15 - Est-ce que cela se produit au hasard ou avez-vous des moments dédiés ?
16 - Ont-ils des avantages ou inconvénients ? De quelle manière ?
17 - Avez-vous un exemple de réverie? Par exemple la dernière fois ?
18
19
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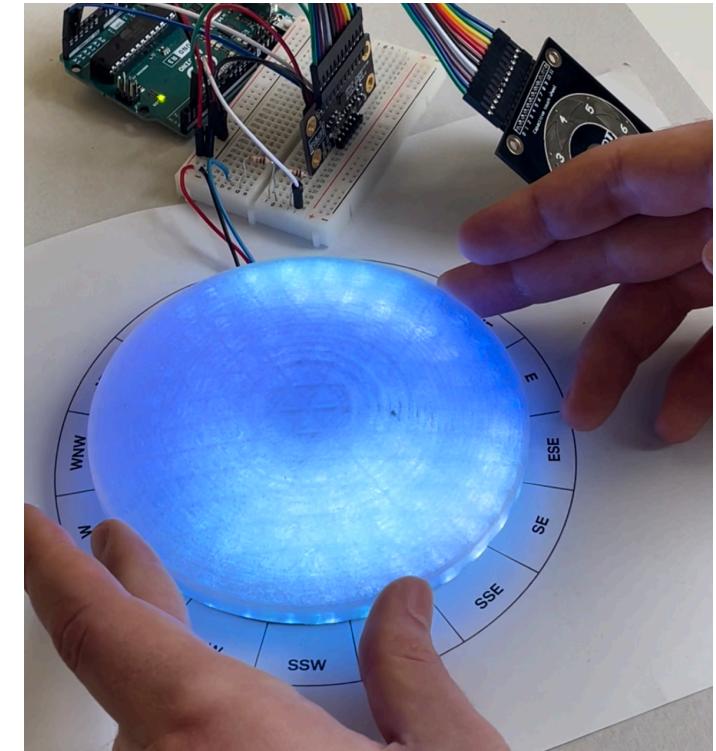
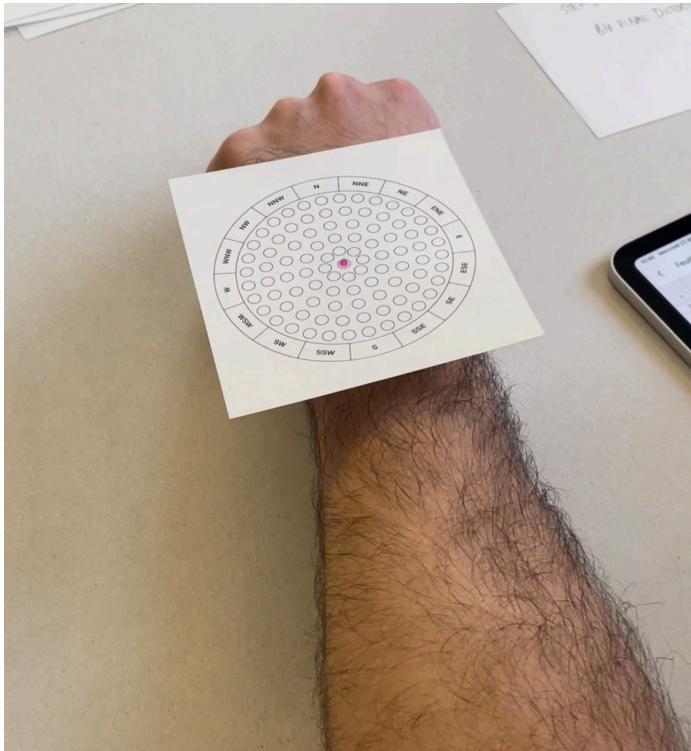
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process > initial research > observations > 20221030-BROAirport.md
10 People walk:
11 - inline to get their order taken
12 - inline to get their order
13 - in the middle of the room to find a free seat & table, possibly one with a plug, not mine
though, sorry not sorry
14 - seating, eating, drinking, either alone or in group
15
16 I am interested at looking at people in their non-social moments, and/or in their non-screen
moments. People staying still within an active environment or flux of other people. I am
interested at figuring out what drives people to those moments, and how to stimulate those more
often, instead of replacing their life
17 It seems to me those moments are crucial because less and less, we allow for them to happen and
occur within our resting, commuting, waiting, and all sorts of non-productive oriented
activities.
18
19 - 11 o'clock: a couple looking together at one smartphone. The woman lies her head on her
partner's shoulder, while he scrolls through.
20 - 2 o'clock: a couple seating and eating together. They don't talk, both seem in their thoughts,
though exchanging looks.
21 - 10 o'clock: a guy in his sixties with a short sleeve harley davidson shirt gaze at airport
people. His wife and daughter just arrived at the table.
22 - 11 o'clock: a guy in big black puff jacket is desperately looking for a plug. His goal is clear,
looking at all the busy plugged tables with the eye of judgment.
23
```

Field observations & Key Insight

3.

Test Day:
Narrative structure, gesture
& LEDs output

Blinking incite user to interact with the device
If looks too much like compass you lose the understanding of touch gesture
Discovered colour moods shouldnt happen at each stage of the journey
Steps should spread during the day, not everything at once



Usage scenario 1/2

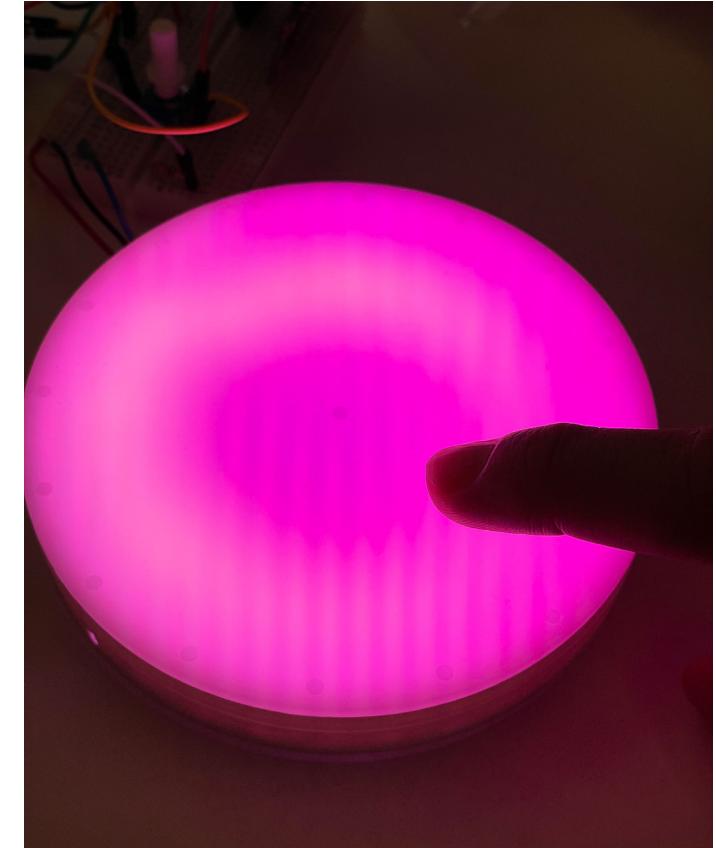
You wear the navigator on your wrist.



Pick a direction

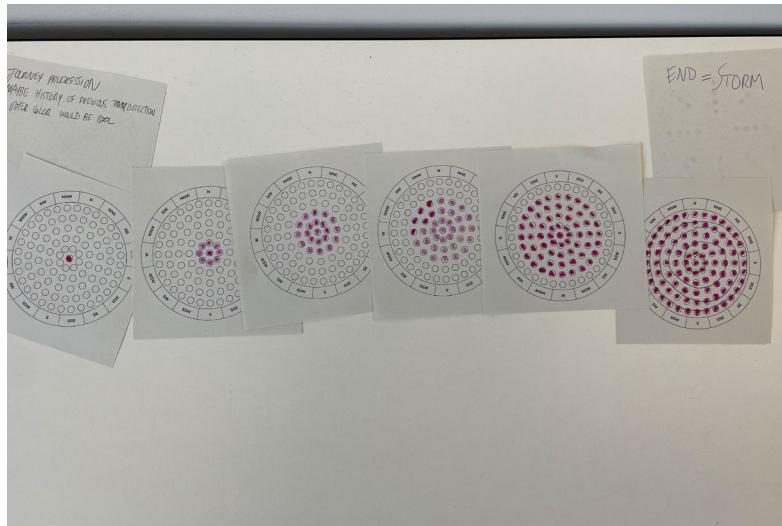


Start drifting through colors and animations



Usage scenario 2/2

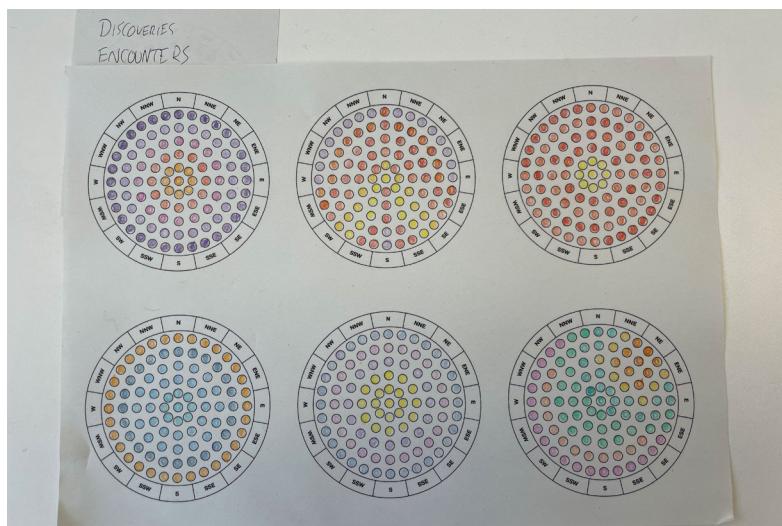
Your journey starts from the center outward



Touch hold to steer the wheel and orient your course



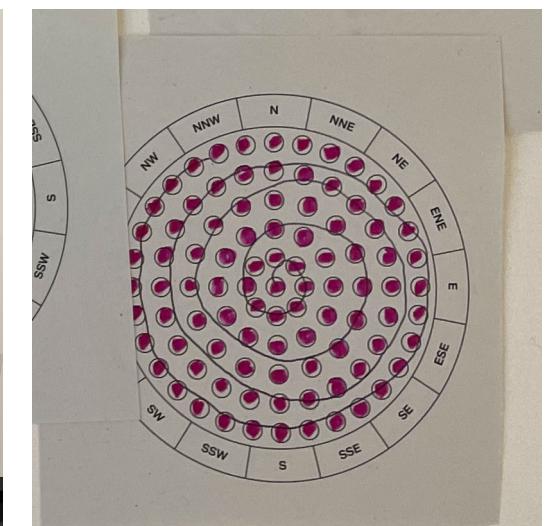
Discover new colorful seas along the way



Storm gradually builds up, drifting your vessel more and more

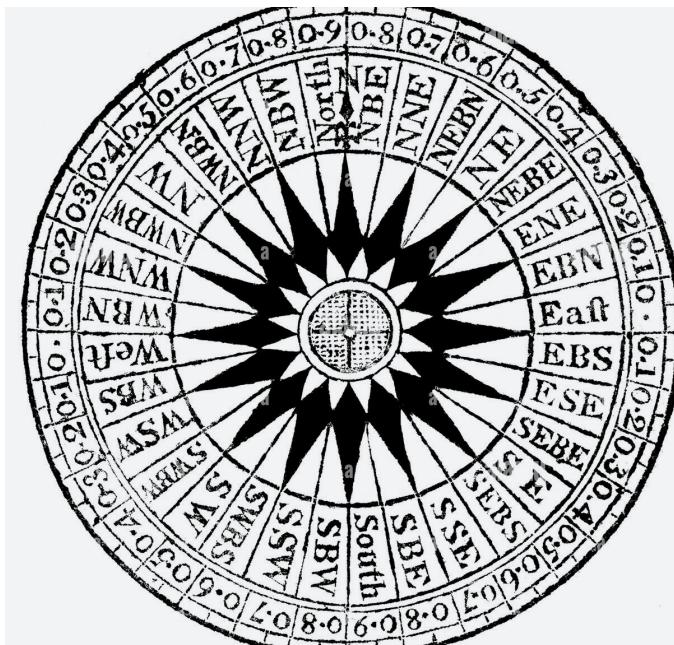
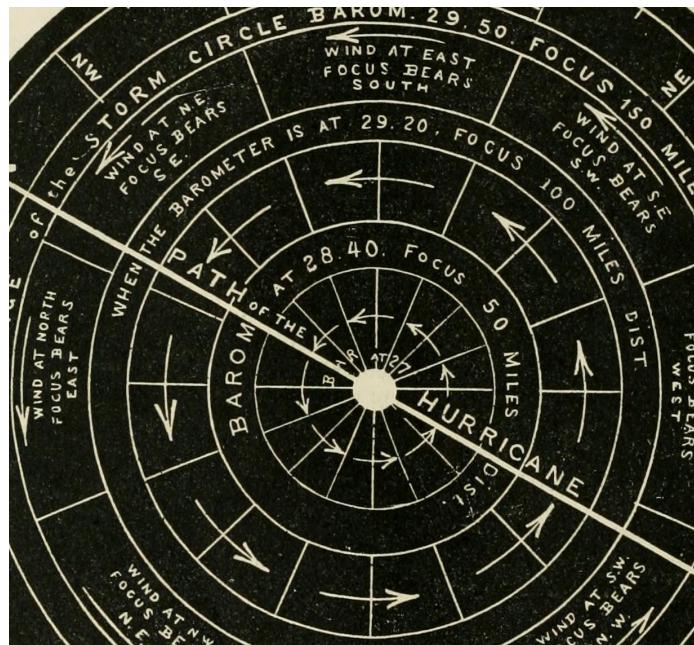


until it hits and reset your journey



Shape research & development:

Nautical Navigation Tools
& Visual Vocabulary References
Compass, Windrose & Shipwheel

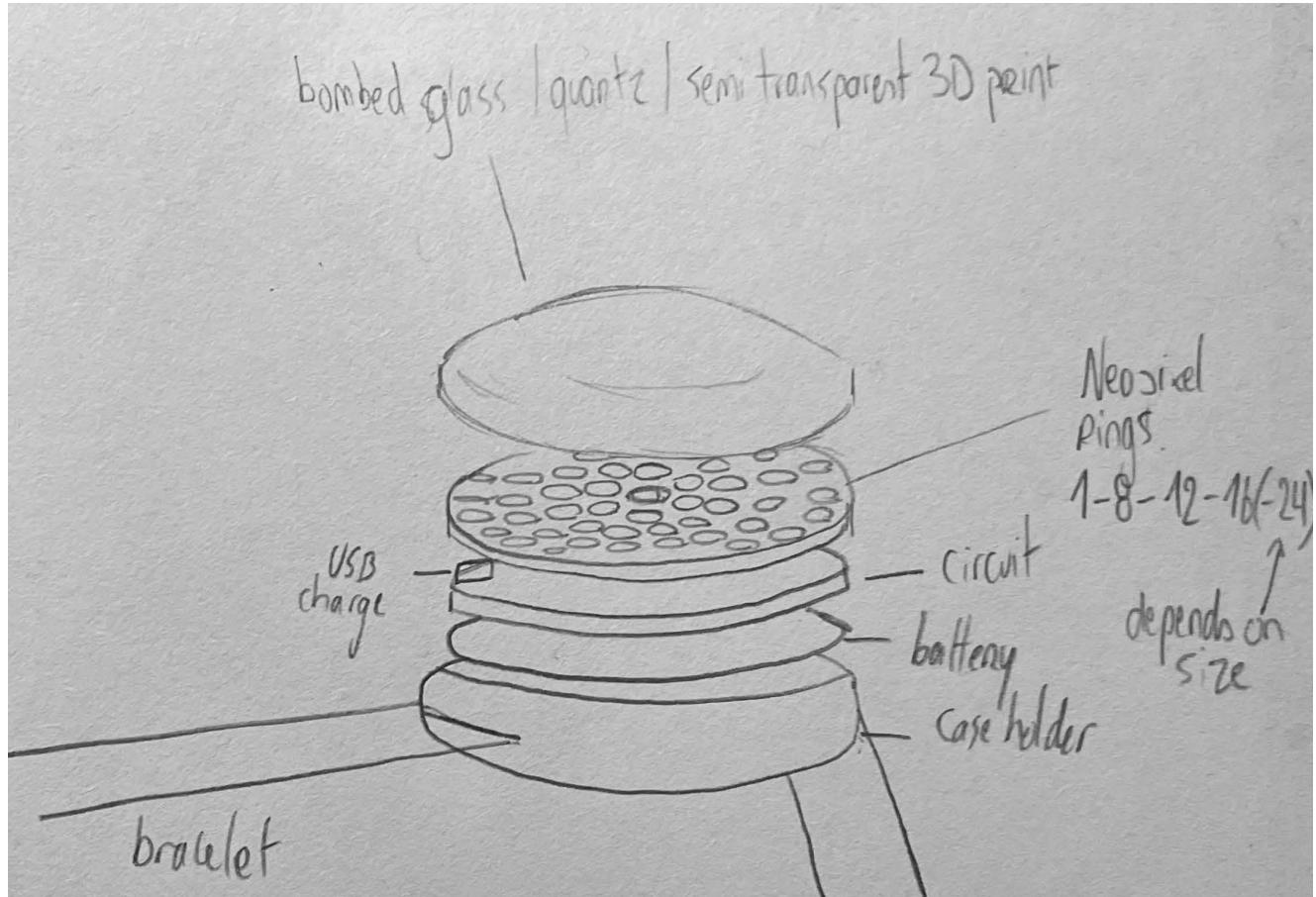
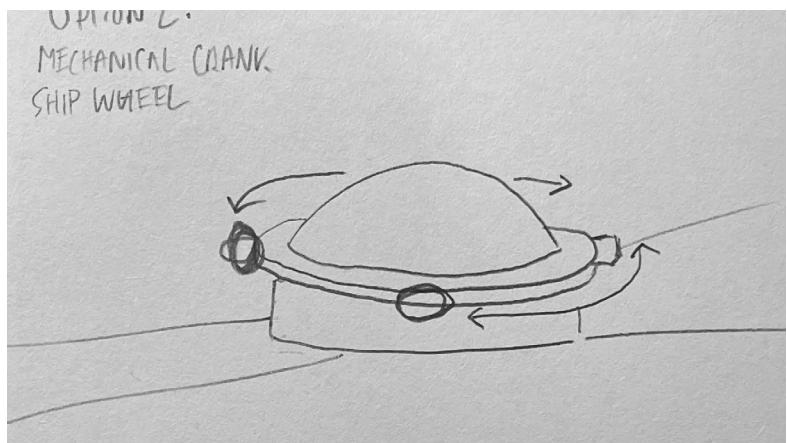
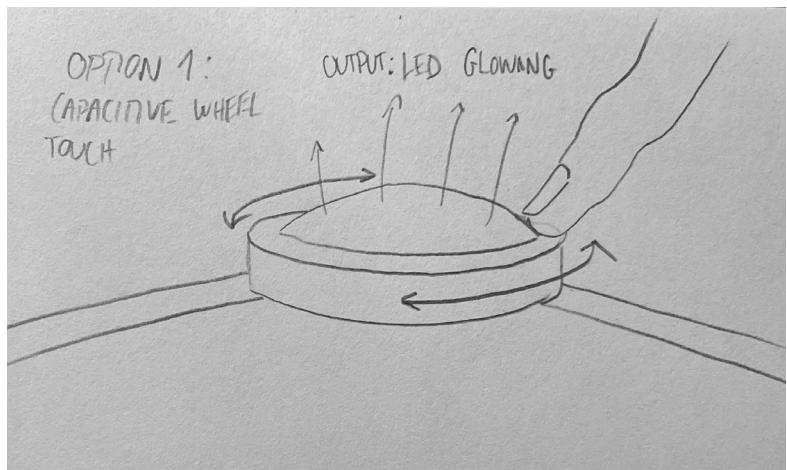


Shape research & development:

First sketches

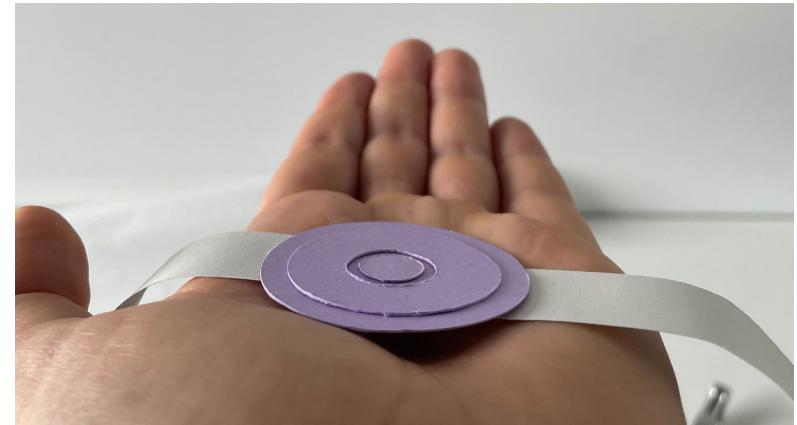
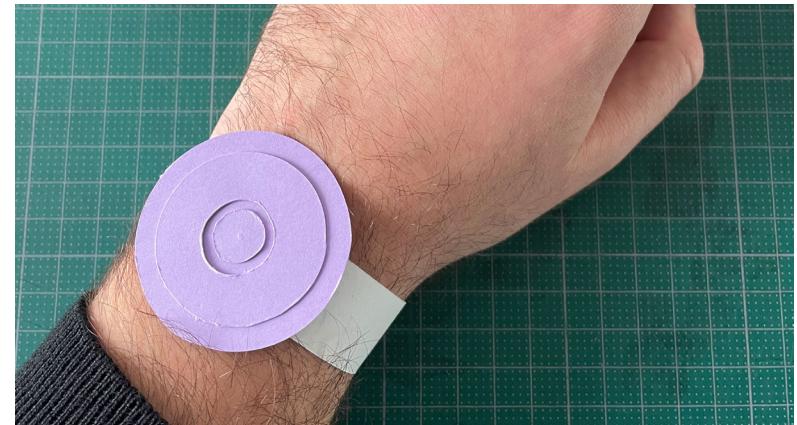
Gesture

Touch Rotate or Crank a wheel



Shape research & development:

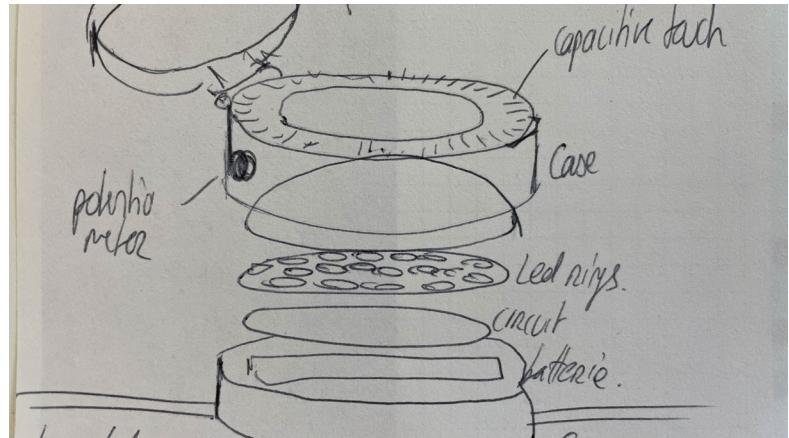
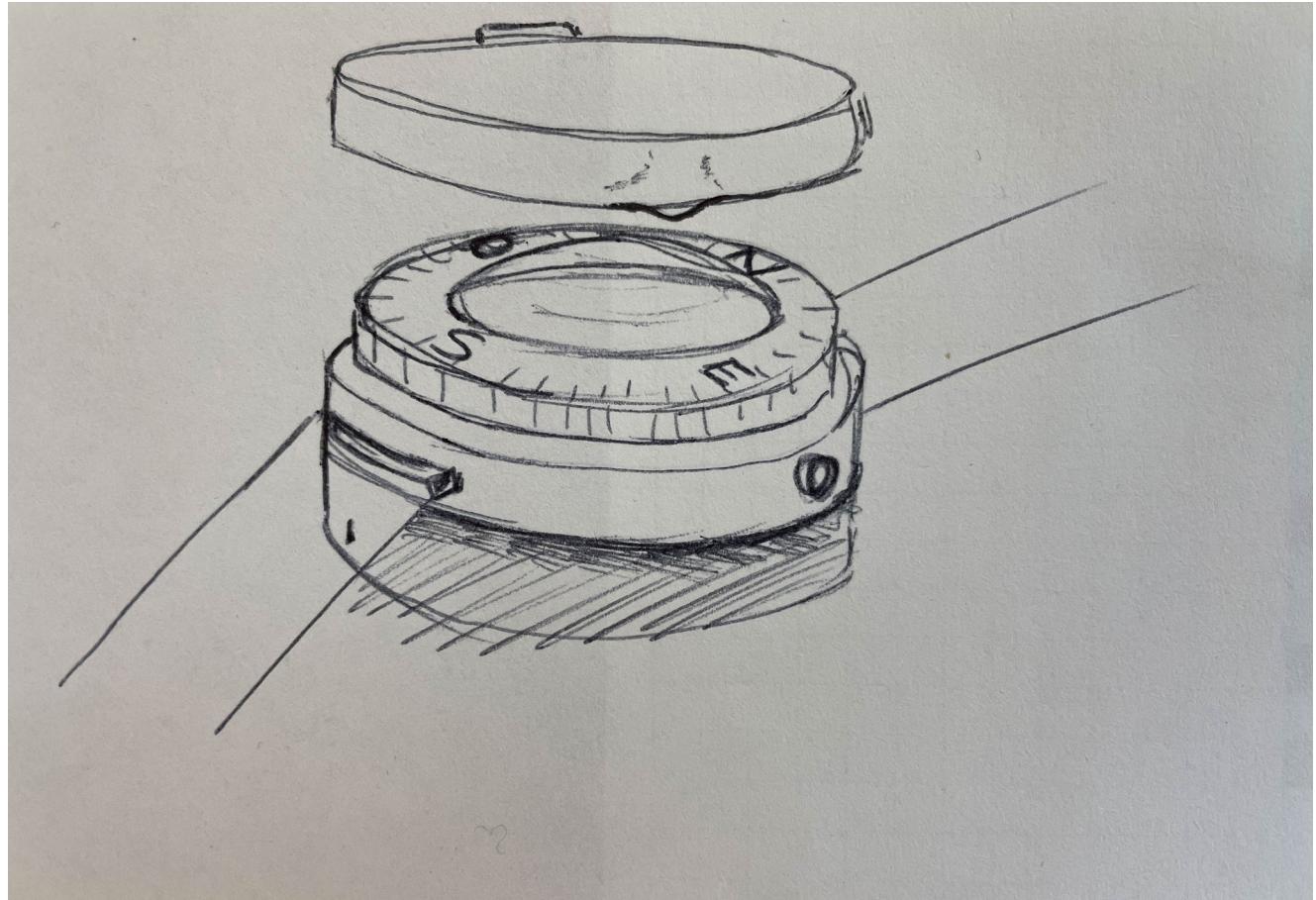
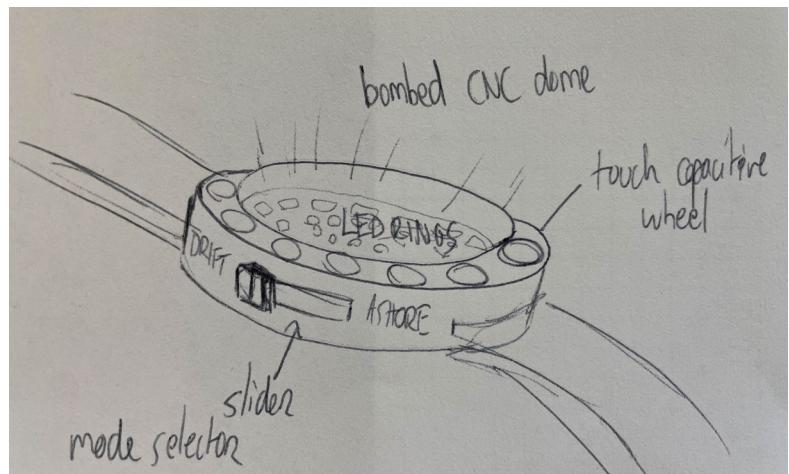
Wearable but where and how



Shape research & development:

Further sketches

Components and overall shape



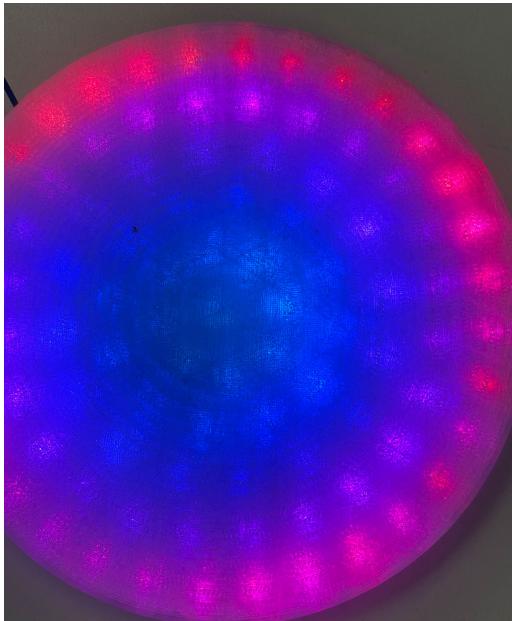
Shape research & development:

Research on light diffusing materials:

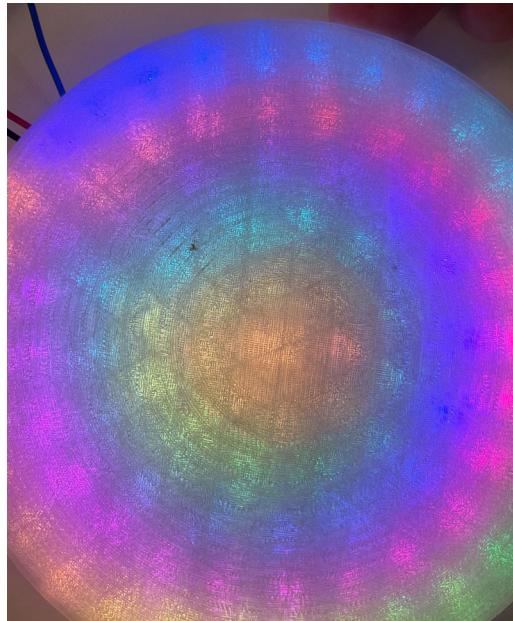
2:1 functional prototype

Option 1: PETG dome 3D printed

Offset between LEDs and diffusing material



0mm



+3mm



+5mm



+8mm

Shape research & development:

First 1:1 non-functional prototype
vs Current

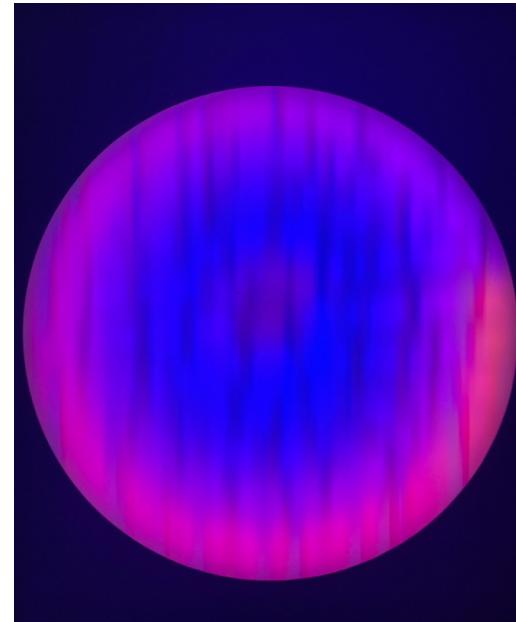
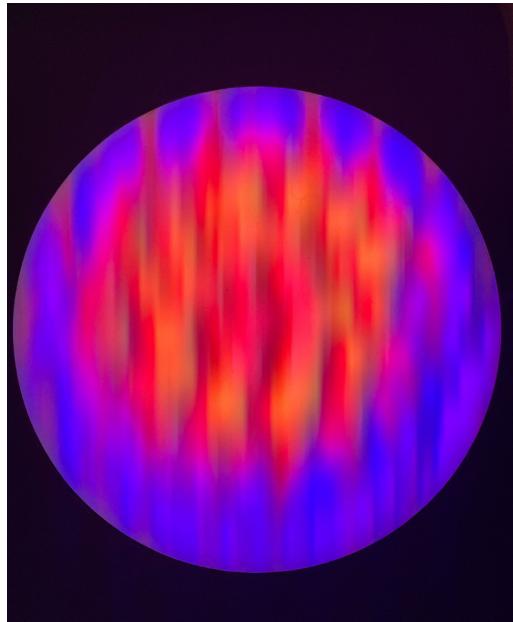
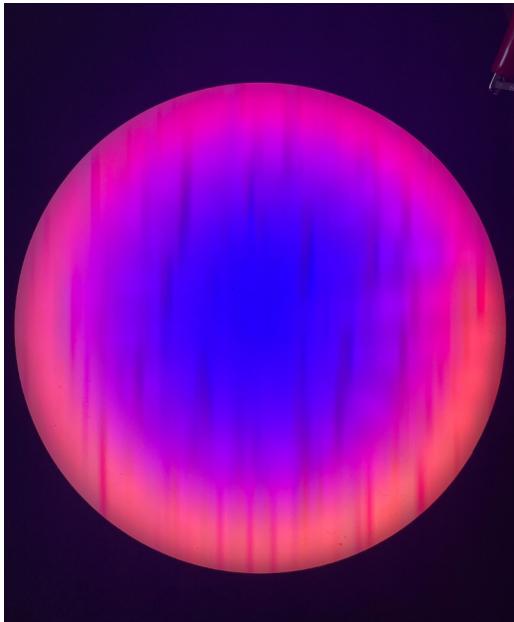


Shape research & development:

Research on light diffusing materials

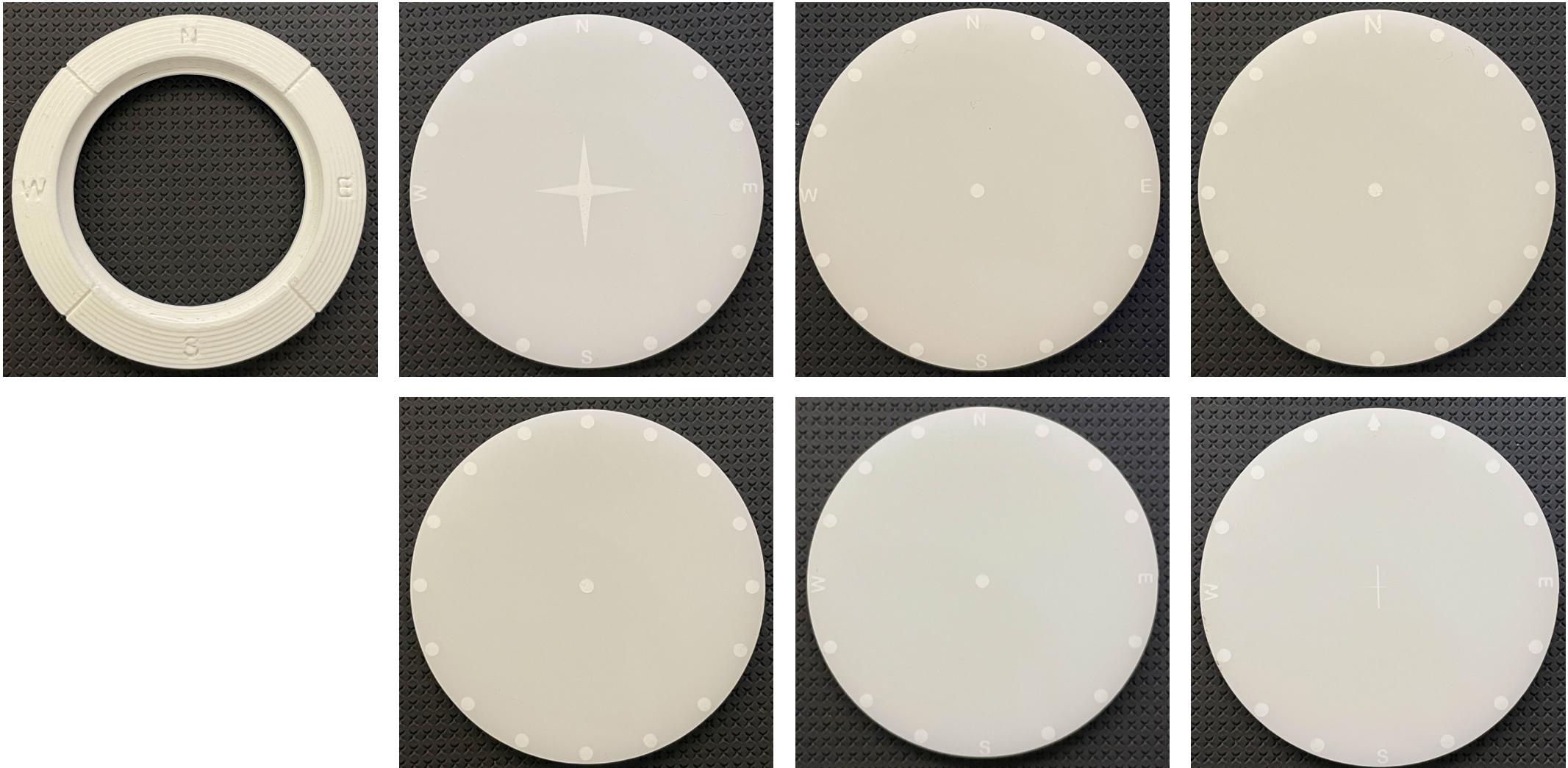
2:1 functional prototype

Option 2: Disk Laser cut PMMA White Opalescent 37%



Shape research & development:

Laser engraving details research
to acknowledge understanding of
capacitive touch positions



Shape research & development:

Bracelet material research

Reflective Paracord 550 4mm

Used in nautical, outdoor & military equipment



Ref



It's orange!

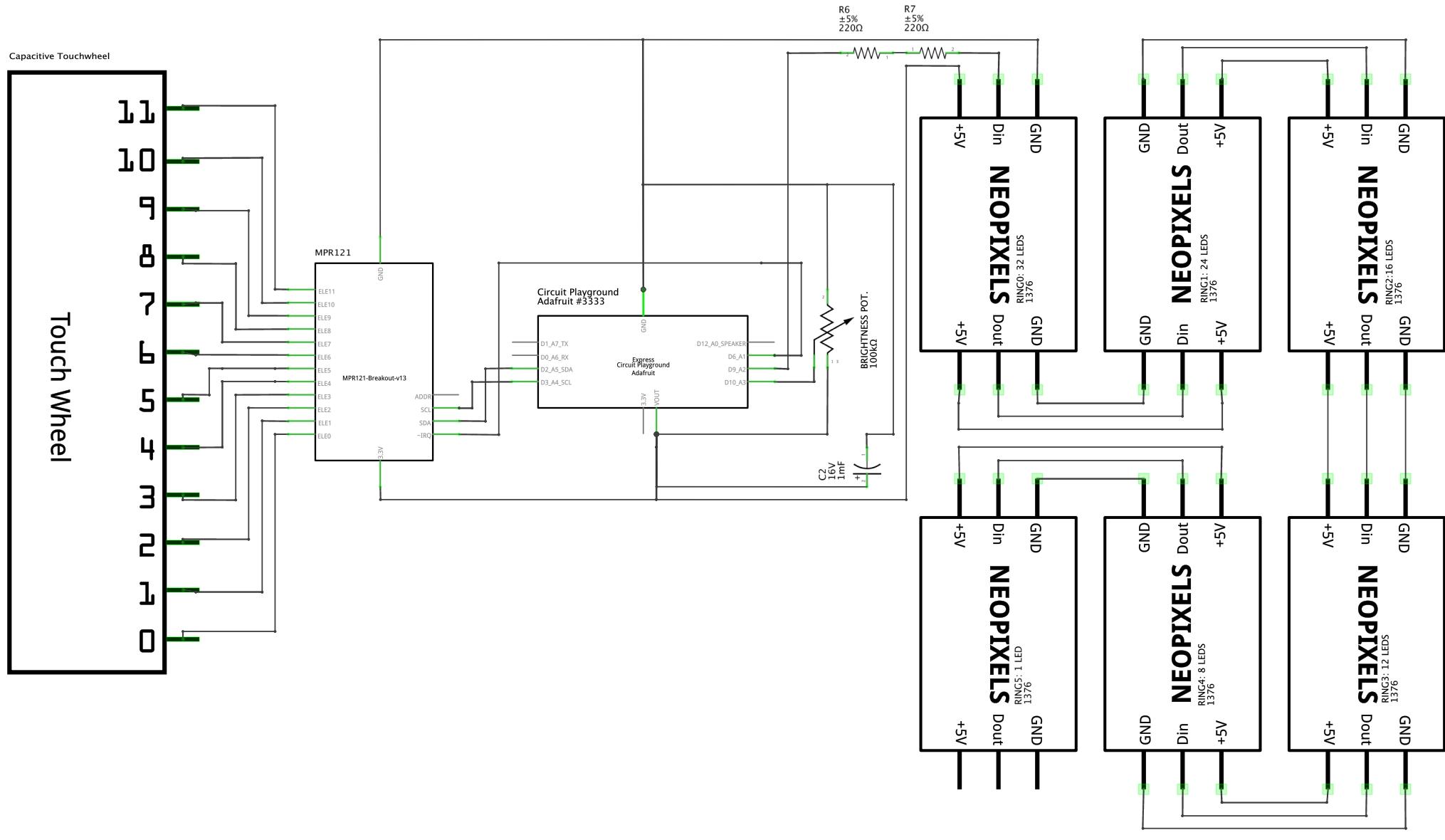


It's reflective!



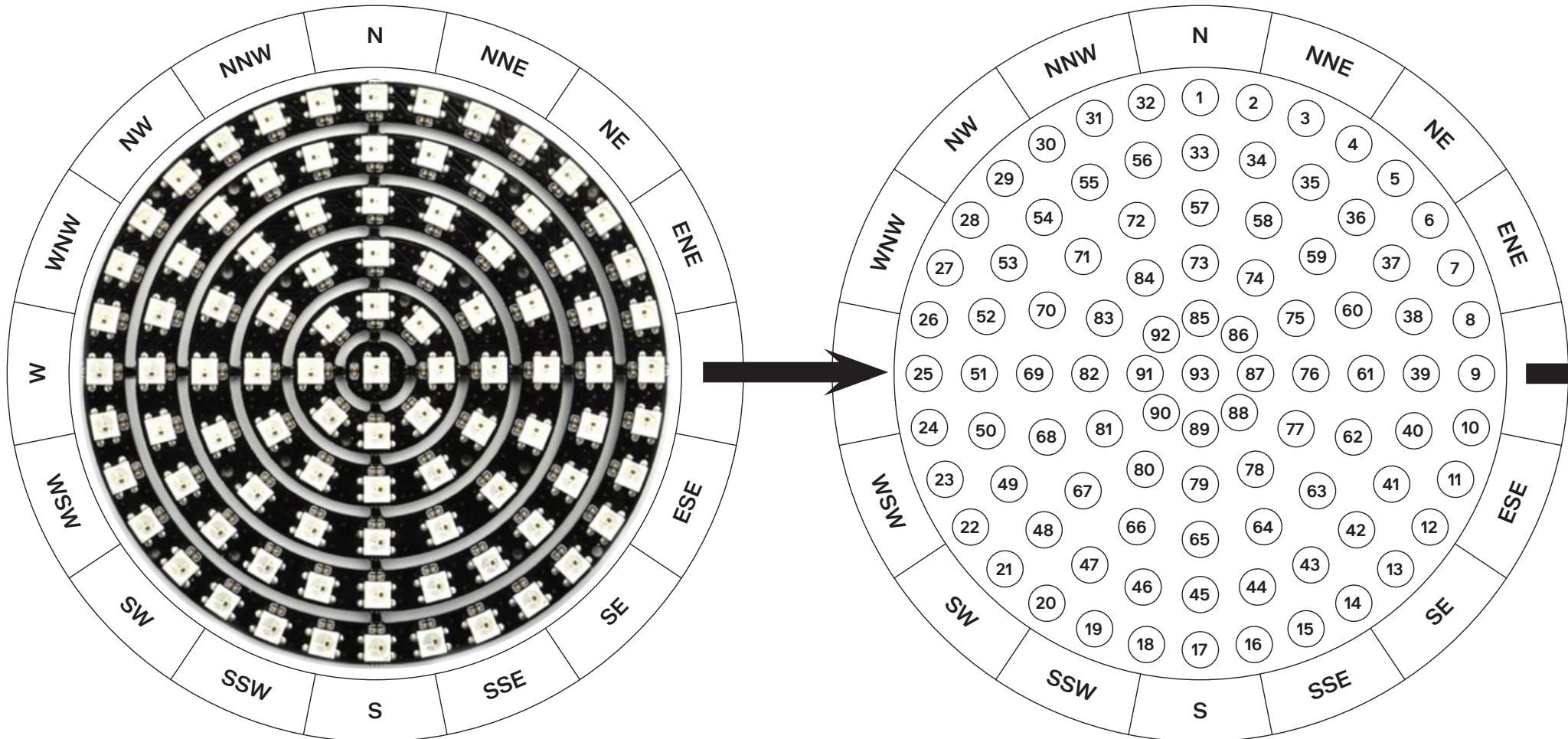
Electric diagram

(see next page for clarity on Neopixels)



LED diagram:

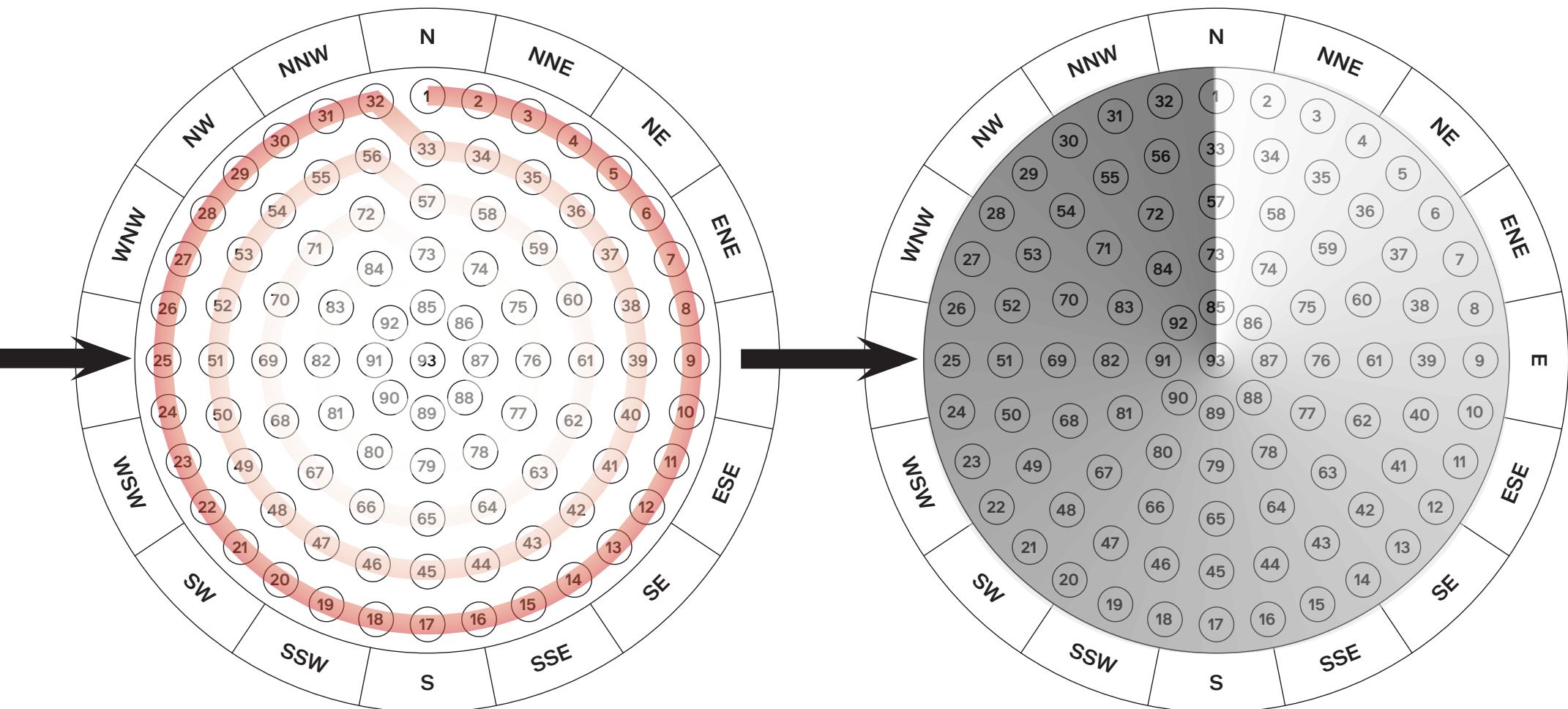
Concentric Rings acting as single strip (1D) mapped below



LED diagram:

Using polar coordinates to turn into 2D. (angle+distance)

Ideally, would turn into x,y matrix



Plan Drawings

Materials:

Scale: 1:1 in mm

