TOO HOT TO HANDLE:

PARABOLIGHT

How might we negate the impacts of a lack of consistent energy for students in rural areas?

E6

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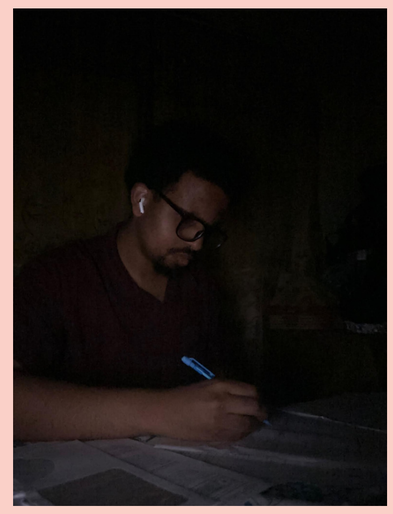
PROBLEM

Students in rural areas lack reliable electricity.

- After sunset, many cannot study due to **lack of safe lighting**.
- Current options (candles, kerosene) are **dim, unsafe, and harmful**.
- This limits learning and **widens the education gap**.

MEET YODAHE

- Dedicated student from rural Ethiopia who couldn't study after sunset, and our primary stakeholder



STATUS QUO SOLUTIONS

- Open candles → low light, fire risk
- Kerosene lamps → **expensive**, unhealthy
- Small solar lamps → **limited** battery life, cost barriers
- Grid electricity → **unavailable** in many rural areas

VS.

OUR SOLUTION

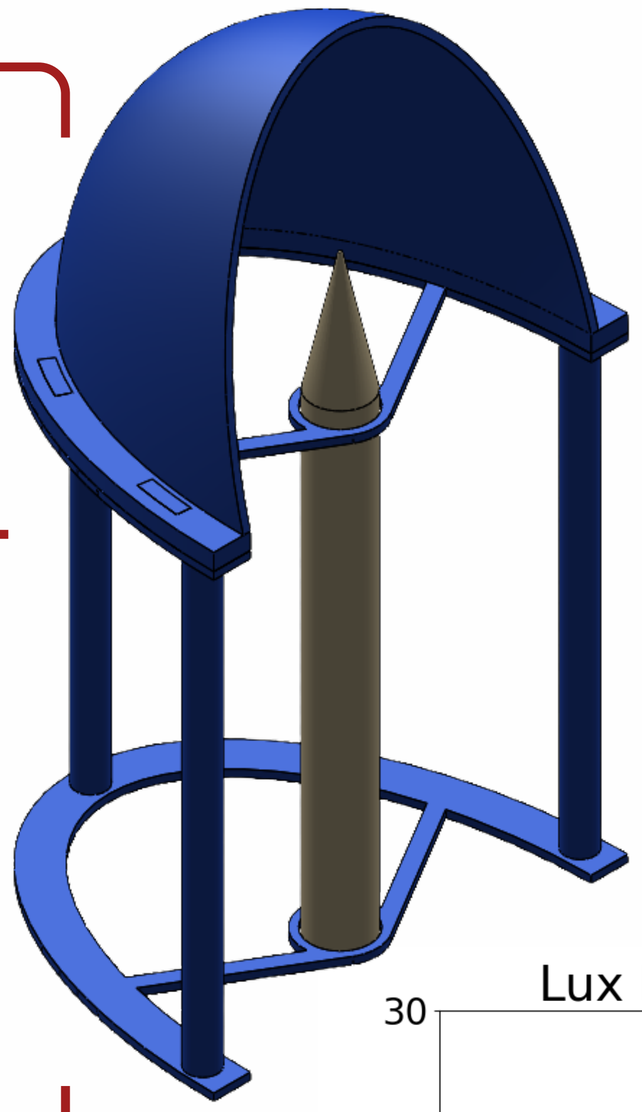
- A **low-cost** device that uses a candle inside a reflective enclosure
- Concentrates light onto a study surface
- **Safer** and more **efficient** than open flames
- Designed specifically for **nighttime studying**

USERS

- **Primary:** Rural **students** without electricity
- **Secondary**: Teachers and schools
- **Stakeholders**: Non-profits, community leaders, families

COST & SUSTAINABILTY

- **Low-cost** materials & **simple** assembly
- Can be locally manufactured
- **Durable** and **reusable**



TESTING

- Gathering feedback from stakeholders
- **ABS and PLA** prototypes
- Testing brightness vs. open candle
- Evaluating **safety, usability, and effectiveness**
- Test with different candles

COMPATIBILITY