

Effectiveness of DESL Project: Training and Research Activities at TDMU

1. Introduction
2. Educational Activities and Industrial Cooperation
3. Research Activities
4. Future Work
5. Conclusions

Introduction

DESL



Course running

| Year | Semester | Subject | Group Q | Quantity |
|--------------|----------|---|---------|------------|
| 2021-2022 | 1 | Lighting Engineering | 1 | 47 |
| | 2 | Lighting Design and Simulation (2+1) | 1 | 42 |
| 2022-2023 | 3 | Lighting Engineering | 2 | 66 |
| | | Practice Lighting Engineering | 3 | 67 |
| 2023-2024 | 1 | Lighting Design and Simulation (2+0) | 1 | 58 |
| | | Practice Lighting Design and Simulation | 3 | 59 |
| Total | | | | 339 |

Industrial Cooperation

- Dien Quang Visit



Industrial Cooperation

- MoU





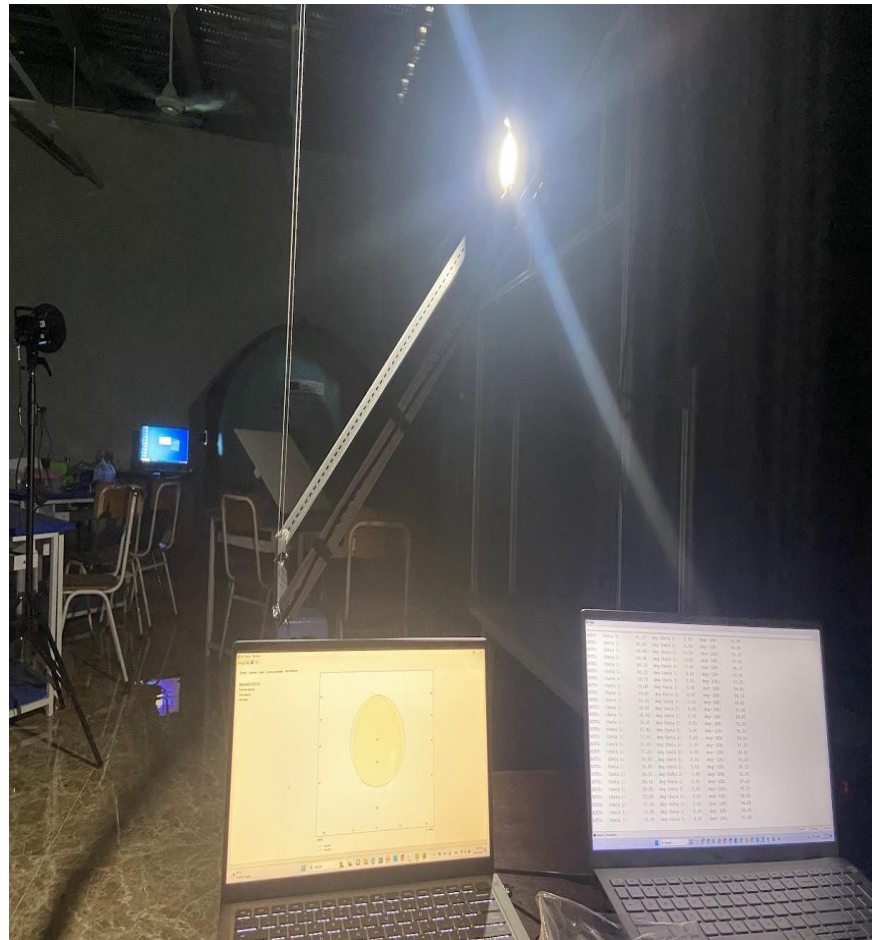
Lighting Lab funded by ERASMUS+

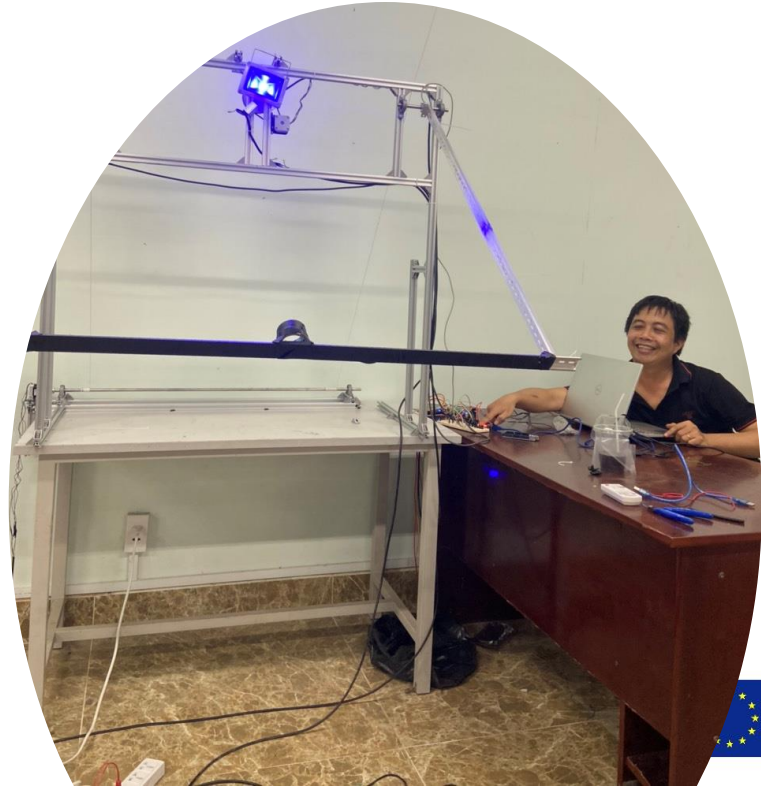


Research activities

1. Light Distribution Measurement System
2. Smart lighting
3. The effect of traffic lighting on pedestrian's safety

Light Distribution Measurement System





Luminaire Using



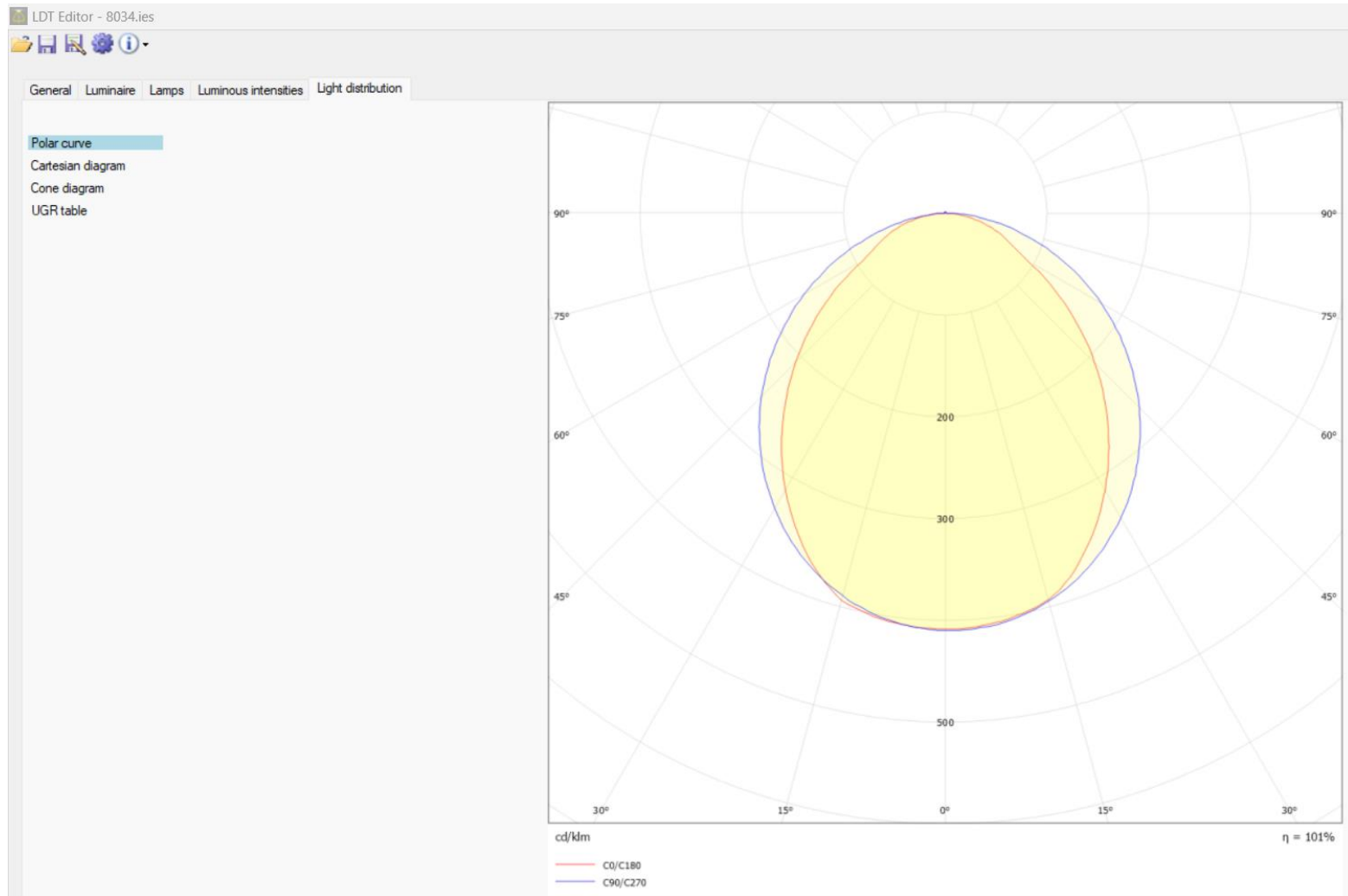
Luminaire Using

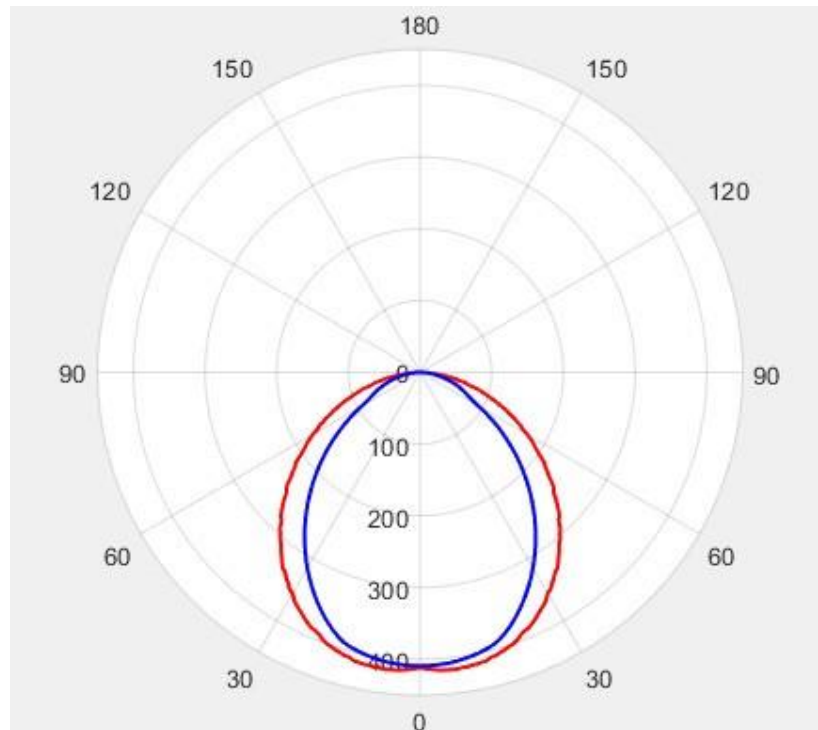
- <https://www.mpe.com.vn/den-led-panel-tron-rpl-6-trang-vang-trung-tinh#tab2>

THÔNG SỐ KỸ THUẬT

- **Đèn Led Panel Âm Trần 6W Ø120 mm**
- **Hệ số công suất (PF): >0.5**
- **Quang thông: 500 lm**
- **Nhiệt độ màu (CCT): 6000-6500K/4000-4500K/2800-3200K.**
- **Chỉ số hoàn màu (CRI): >80**
- **MPE Led Round Panel size: Ø120mm × 25mm**
- **Kích thước đục lỗ: Ø105mm**

The light intensity distribution curve is drawn by LDT Editor using IES data (from Dialux)





- The blue line is drawn based on IES data, while the red line represents the proposed system.

- To make the project's efficiency long-term, TDMU wishes to have further cooperation with all partners in the project in terms of education and research activities.



Thank you for listening