

Petrol Station Lighting



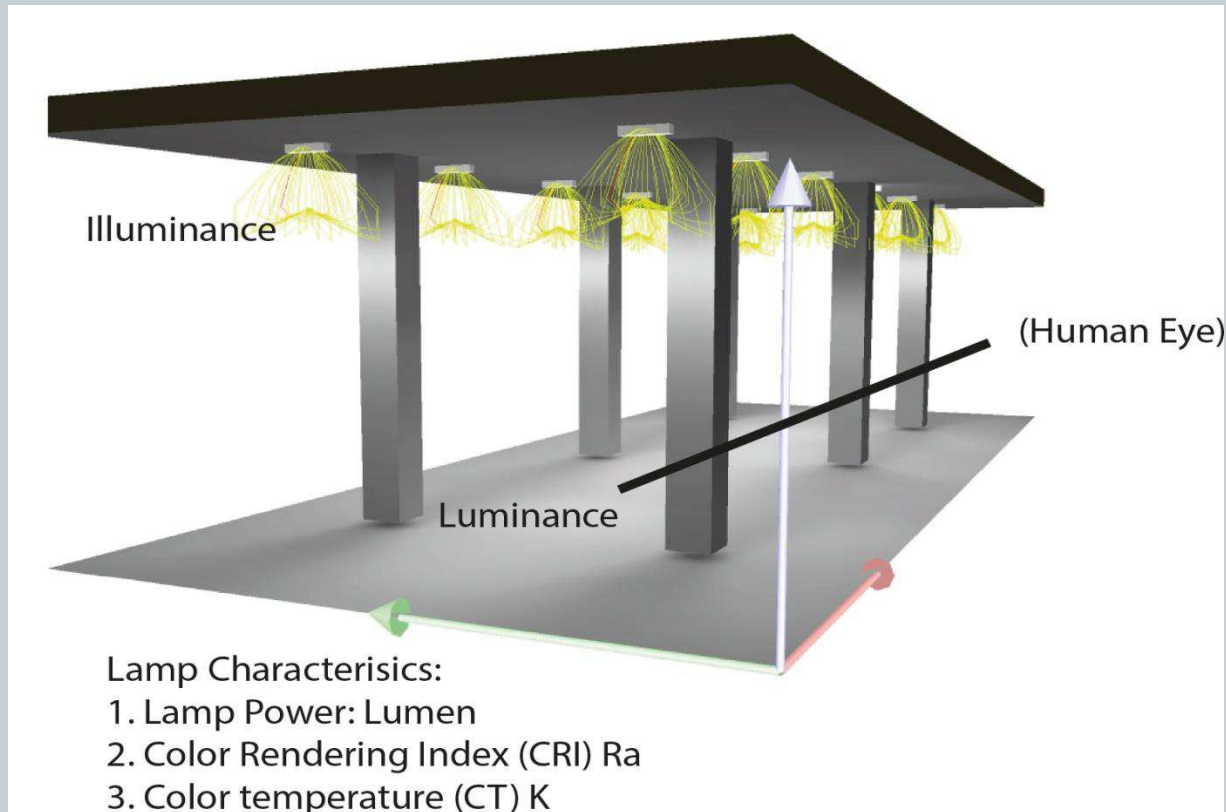
- Quality Aspects of Lighting
- Need factors: performance, comfort, color, ambiance, cost-of-ownership, maintenance
- Application segments
 - Under-canopy using LEDs
 - Shop lighting (Convenience Outlet)
 - Area lighting
 - Canopy-edge
- Project updates

Quality Aspects of Lighting



- Lighting Level (Lux)
- Luminance Distribution Curve (Photometric)
- Freedom from Disturbing Glare
- Spatial Distribution of Light (Spacing)
- Uniformity
- Color Temperature and Color Rendering

Quality Aspects of Lighting



Key Performance



- Horizontal illumination
- Vertical illumination
- Providing information & guidance
- Attractive color temperature & color rendering index.
- Reducing uncomfortable glare to minimum.
- Correct balance of light in all areas within petrol station compound.

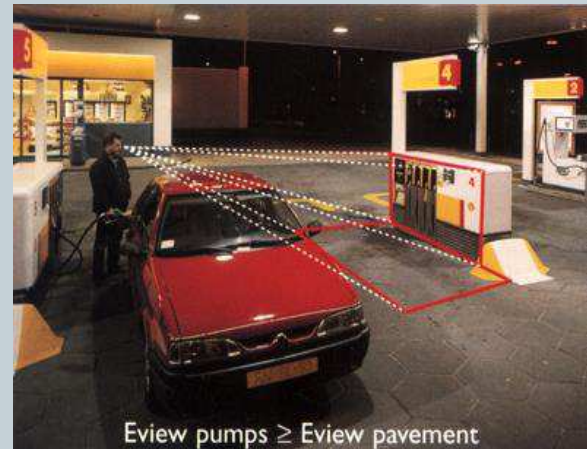
Elements when approaching the station

- Brand recognition
- Good visibility
- Good legibility of signs
- Good overview of the area



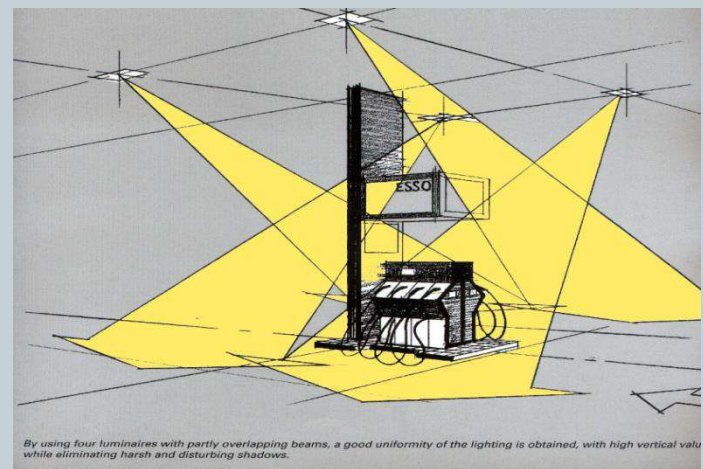
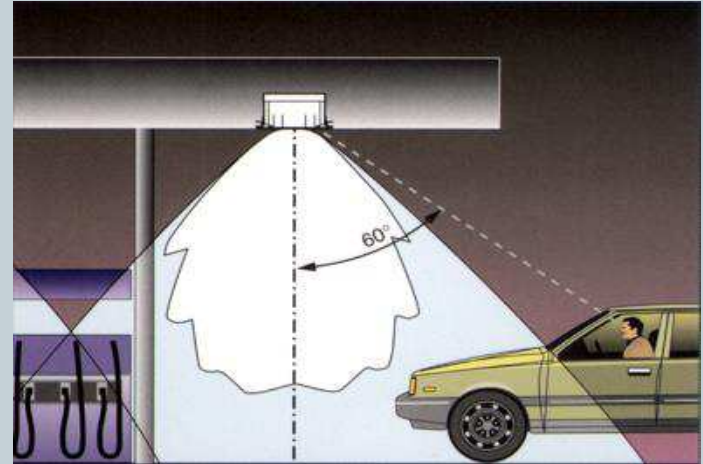
Design considerations for the undercanopy

- Creating a sense of comfort
- Creating a sense of security
- Good legibility of signs
- Good vertical illumination
- Easy identification of people



Design considerations for the undercanopy

- Preventing glare in station approach.
- For effective vertical illumination, the light beam has to come from both sides of the pump island.



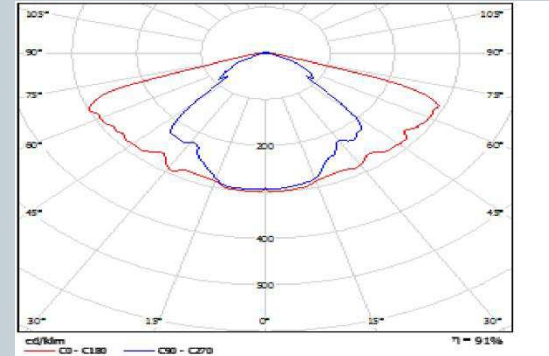
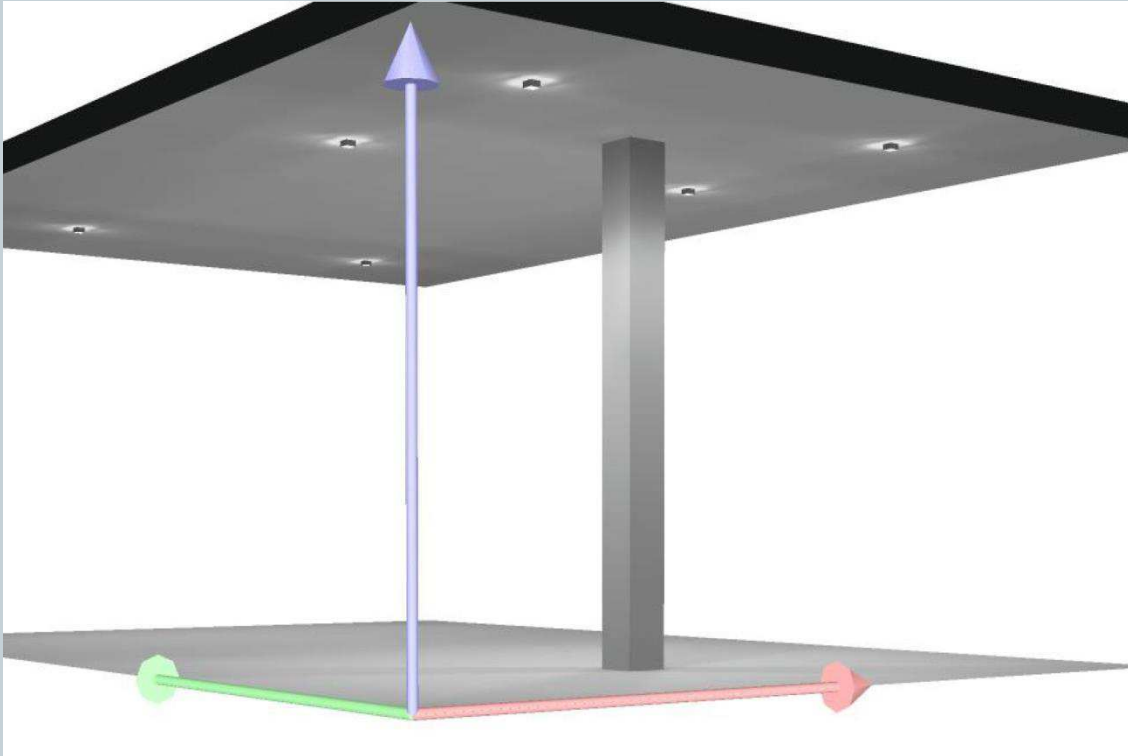
By using four luminaires with partly overlapping beams, a good uniformity of the lighting is obtained, with high vertical value while eliminating harsh and disturbing shadows.

Using LEDs for the undercanopy

- Energy savings.
- Longer burning hours.
- Low maintenance cost.
- Good lumen depreciation.
- No color shifts.
- Instant start.
- Environment friendly.

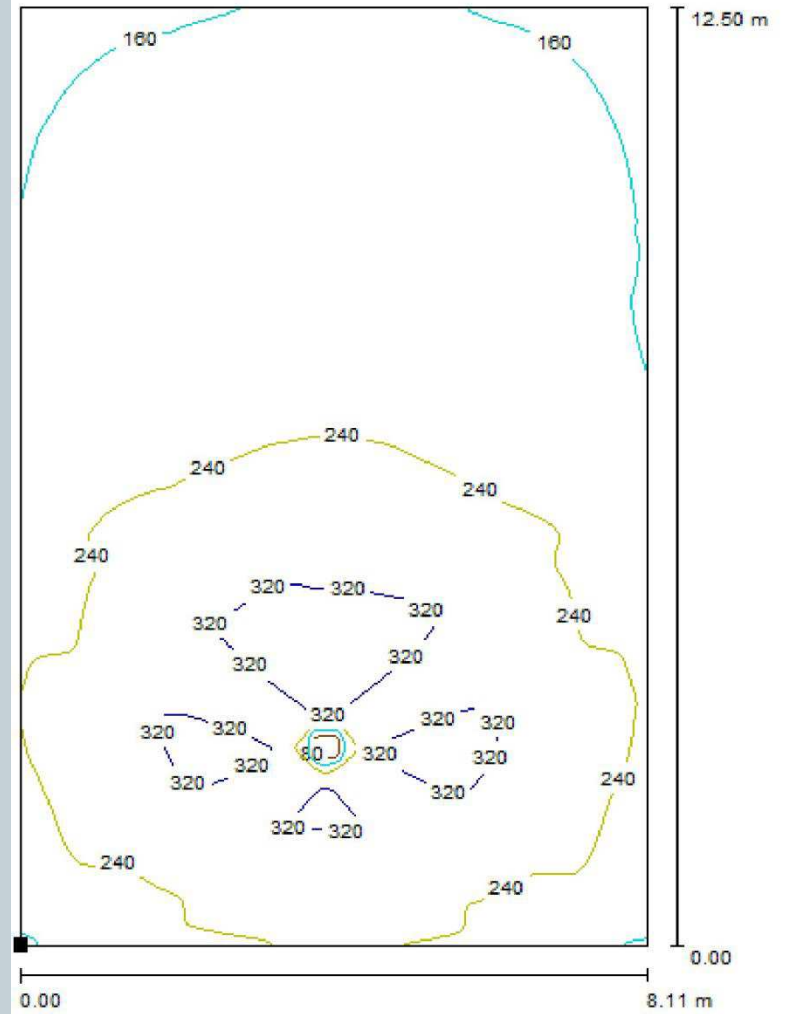
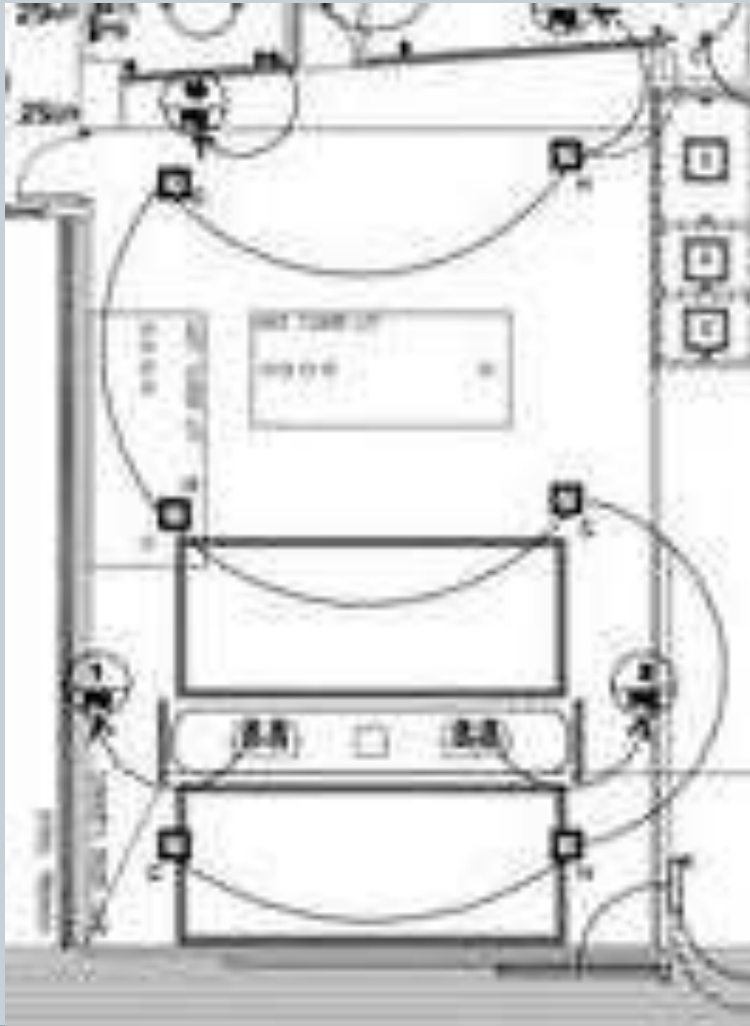


FV Tayuman Station



Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

FV Tayuman Station



FV Tayuman Station

