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Test Report

Number: 13000000142

Optics: KCLP1645ST

Source: TRIDONIC G2LES17



Code Number: 13000000142

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1 Light Source Model

| Parameter | Symbol | Value | Unit |
|--------------------------------|--------|-------------------------|------|
| Lens / Reflector Model | - | KCLP1645ST | - |
| Material (More info on page 9) | - | PC + Reflective Coating | - |
| Dimensions | - | See page 8 | - |
| Source Model | - | TRIDONIC G2LES17 | - |
| Number of Sources | N | 1 | - |
| Power Supply Type | - | ISO TECH ISP3303 | - |
| Driver Type | - | - | - |
| Driving Voltage | V_F | - | V |
| Driving Current | I_F | - | mA |
| Nominal Flux | Φ | 1000×1 | lm |

2 Measurement Setup

| Parameter | Symbol | Value | Unit |
|----------------------|--------|--------------|------|
| Operator | - | Simone Bassi | - |
| Goniophotometer Type | - | KLX12M | - |
| Measurement Distance | z | 5 | m |
| Room Temperature | T | 25 | °C |
| Date | - | 12-Mar-2013 | - |

3 Results

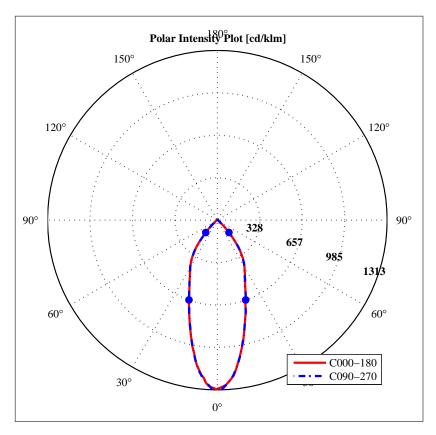
| Parameter | Symbol | Value | Unit |
|---|--------------------|-------|------|
| Total Flux | Φ | 1000 | lm |
| Max Intensity | I_{\max} | 1310 | cd |
| Max Illuminance at 5 m | $E_{\rm max}$ | 52 | lx |
| C-Viewing Angle at 50% I _{max} | 2φ _C | 39 | 0 |
| γ -Viewing Angle at $50\%I_{\text{max}}$ | 2φγ | 39 | 0 |
| C-Viewing Angle at 10% I _{max} | 2φ _{C10%} | 86 | 0 |
| γ -Viewing Angle at 10% $I_{\rm max}$ | 2φ _{γ10%} | 86 | 0 |
| General Optical Measurement Tolerance | - | ±10% | - |

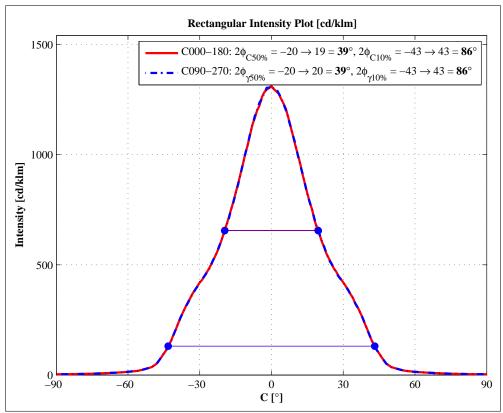
NOTES:

• Intensity (I) and illuminance (E) data are normalized by 1000 lm



4 Intensity Plot

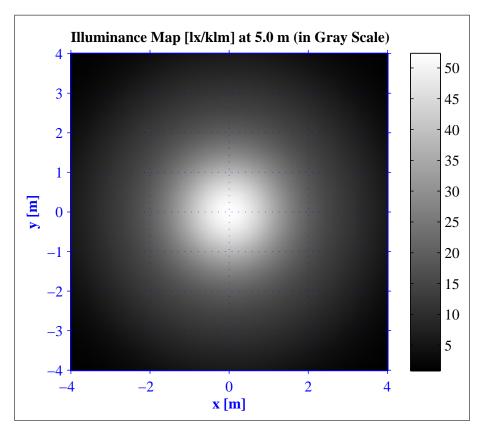


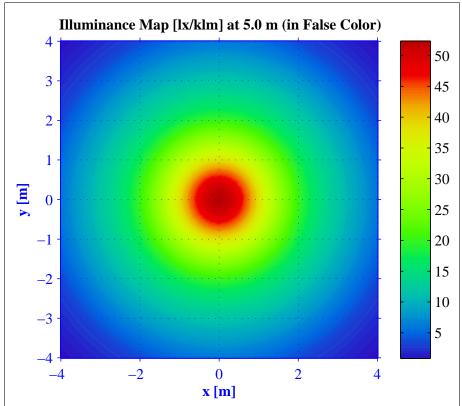


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5 Illuminance Map

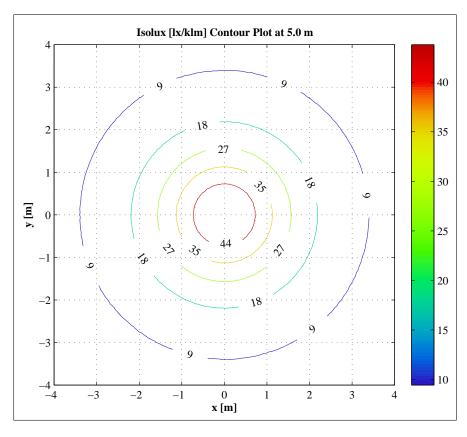


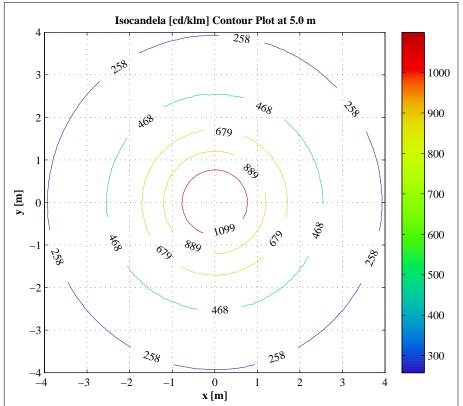


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6 Isolux / Isocandela Plots

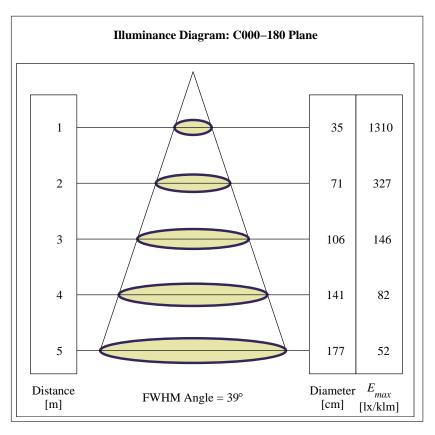


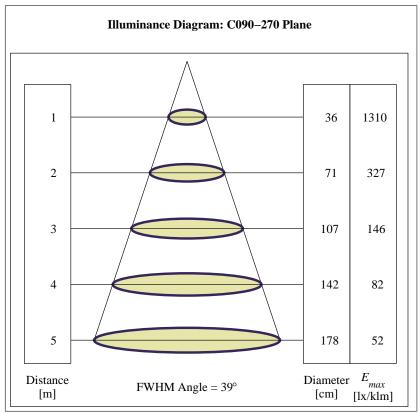


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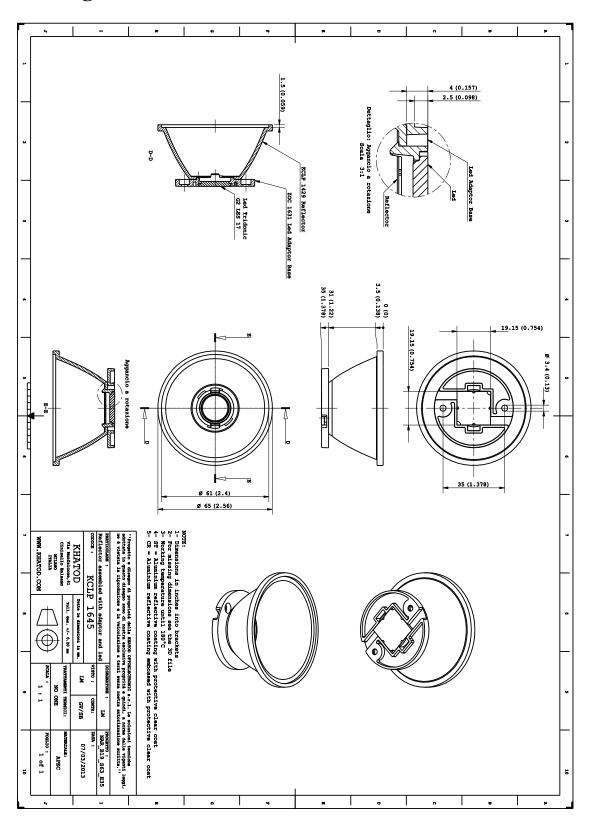
7 Illuminance Diagram







8 Drawing





9 Materials

| Material | Top | T _{stg} |
|----------------------------|--------------------------------|--------------------------------|
| PMMA | -40°⋯85°C | -40°···85°C |
| PC | -40°···120°C | -40°···120°C |
| PC + Aluminum Coating with | -40°···120°C | -40°···120°C |
| protective Clear Coat | | |
| APEC + Aluminum Coating | -40°···180°C | -40°···180°C |
| with protective Clear Coat | | |
| ABS | $-35^{\circ}\cdots70^{\circ}C$ | $-35^{\circ}\cdots70^{\circ}C$ |

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10 Use and Maintenance

- DO NOT HANDLE OR INSTALL LENSES WITHOUT WEARING GLOVES, SKIN OILS MAY DAMAGE LENS OR LIGHT TRANSMISSION;
- CLEAN LENSES WITH MILD SOAP AND WATER AND A SOFT CLOTH:
- DO NOT USE ANY COMMERCIAL CLEANING SOLVENTS ON LENSES.

11 Disclaimer

Please note that flow lines and weld lines on the external surfaces of the lenses are acceptable if the optical performance of the lens is within the specification described in the section Results on page 3. Should you require further information, please contact Khatod for advice. All lens testing must be subject to identical conditions as Khatod test condition.

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