



Product Model Number

CKO-SA15-075033-4007

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

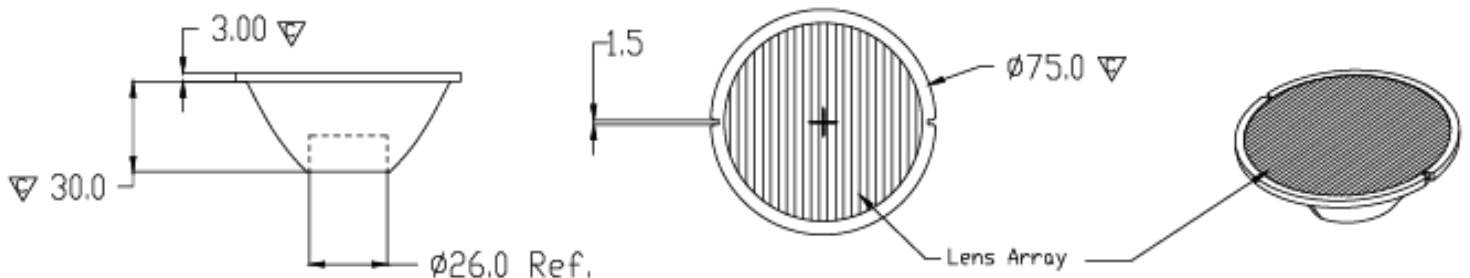


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
- Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- C. Identity Code
- D. Lens / Fixture Size
- Ex: 075026=Φ75mm / Thickness=26mm (round up)
- E. Serial Numbers

The lens datasheet is applicable for **Citizen LED**, that manufactured by Chun Kuang Optics Corp.

✓ Dimensions (mm) : Φ75 x 33



▽:Critical Dimension



✓ **Optical Characteristics – Angle Performances**

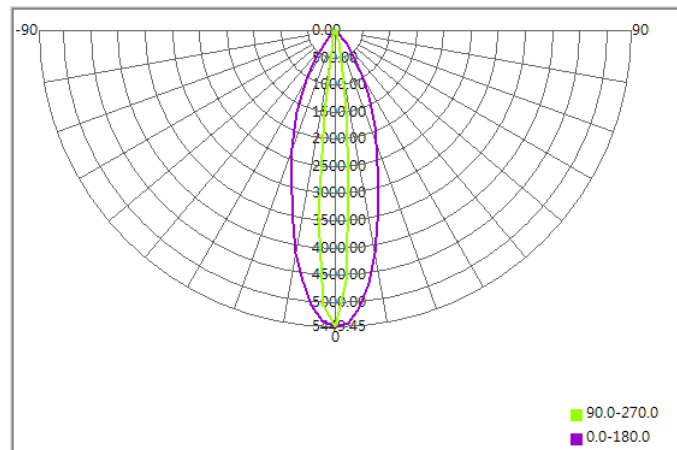
| Citizen | LED LES (mm) | FWHM (degrees) | Field Angle (degrees) |
|---------|--------------|----------------|-----------------------|
| CLU 711 | Φ8.5 | 11°x34° | 21°x71° |
| CLU 710 | Φ8.5 | 10°x34° | 21°x71° |
| CLU 028 | Φ9.8 | 12°x35° | 26°x72° |
| CLU 026 | Φ9.8 | 12°x35° | 24°x73° |
| CLU 721 | Φ11 | 13°x38° | 25°x73° |
| CLU 720 | Φ11 | 13°x38° | 27°x73° |
| CLU 038 | Φ14.5 | 16°x38° | 35°x75° |
| CLU 036 | Φ14.5 | 18°x39° | 35°x76° |
| CLU 048 | Φ22 | 26°x41° | 54°x82° |
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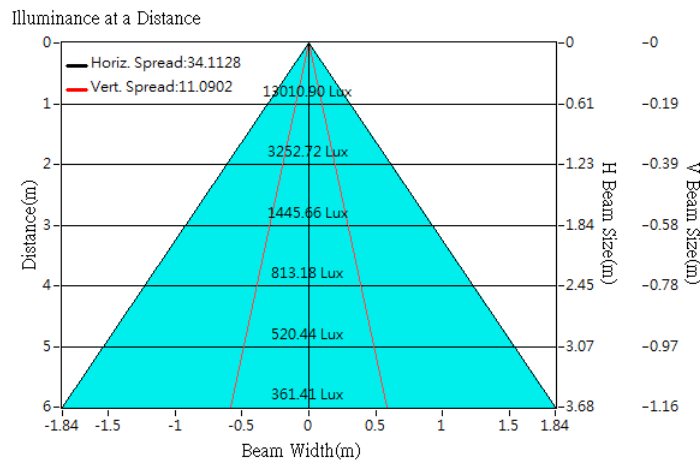
Optical Characteristics

| | | | |
|-------------------|---------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | CLU 711 | | |
| LES / LED Size | Φ 8.5 mm | | |
| FWHM (D50) | 11°x34° | | |
| Field Angle (D10) | 21°x71° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness=33 mm | | |
| Luminous Flux | 2387 lm | Measured @ 26.5 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

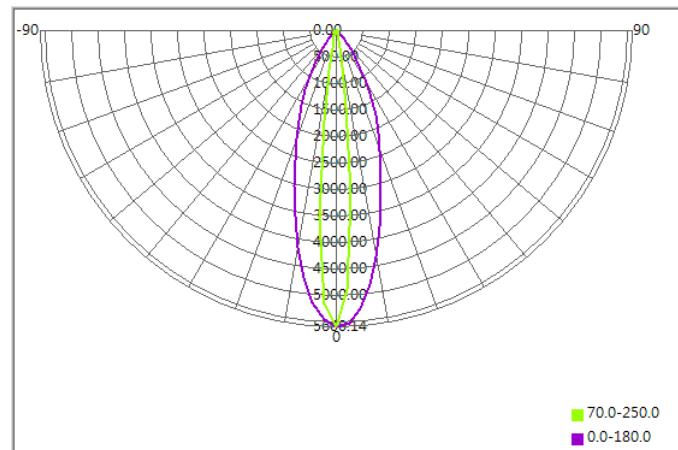




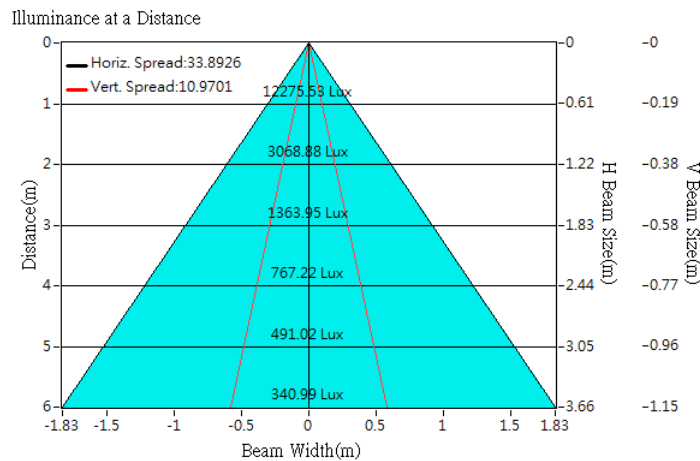
Optical Characteristics

| | | | |
|-------------------|---------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | CLU 710 | | |
| LES / LED Size | Φ 8.5 mm | | |
| FWHM (D50) | 10°x34° | | |
| Field Angle (D10) | 21°x71° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness=33 mm | | |
| Luminous Flux | 2192 lm | Measured @ 27.0 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

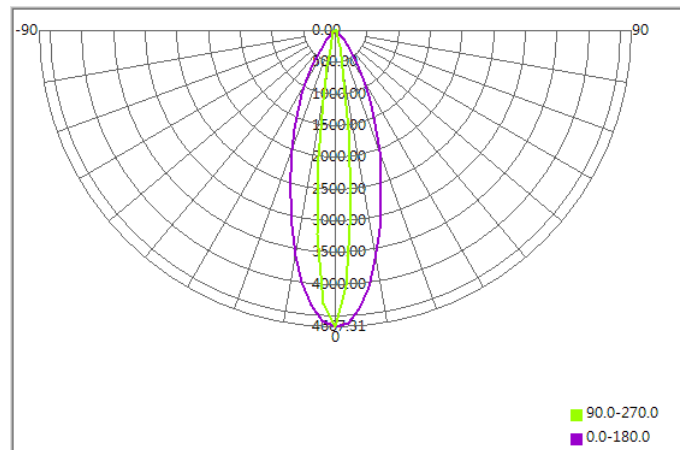




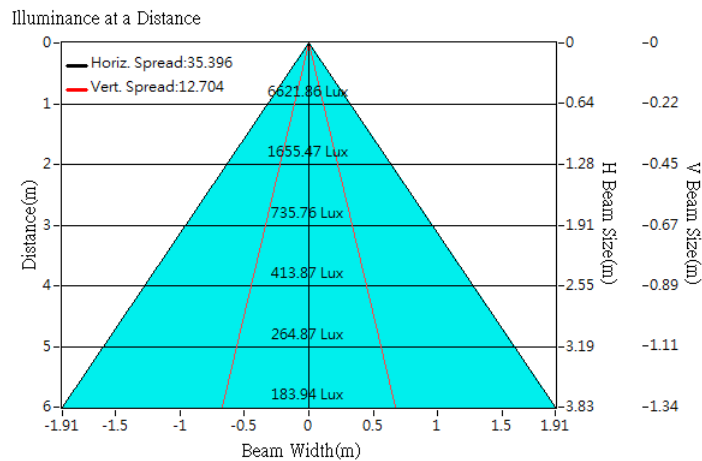
Optical Characteristics

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|-------------------|---------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | CLU 028 | | |
| LES / LED Size | Φ 9.8 mm | | |
| FWHM (D50) | 12°x35° | | |
| Field Angle (D10) | 26°x72° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness=33 mm | | |
| Luminous Flux | 1418 lm | Measured @ 12.6 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

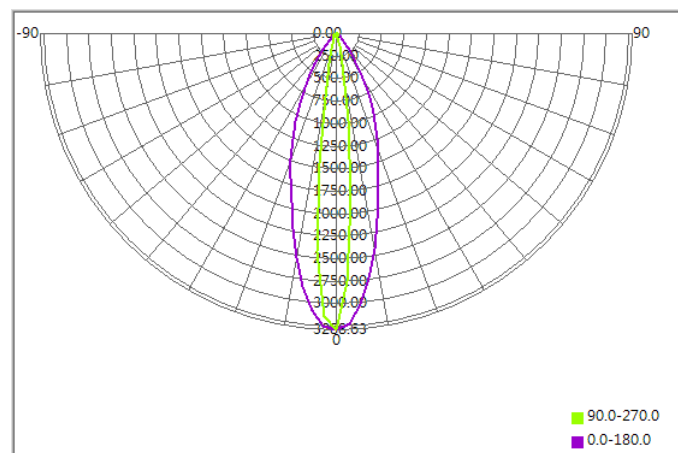




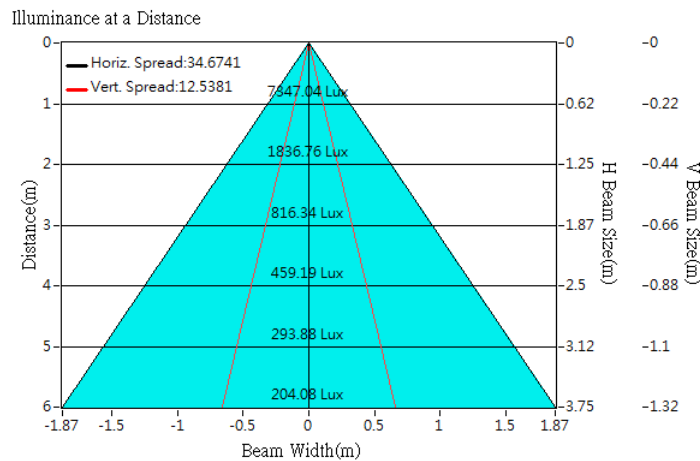
Optical Characteristics

| | | | |
|-------------------|---------------------------|-------------------|--|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> <p>LES CoB "H" mm (distance)</p> |
| LED | CLU 026 | | |
| LES / LED Size | Φ 9.8 mm | | |
| FWHM (D50) | 12°x35° | | |
| Field Angle (D10) | 24°x73° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness=33 mm | | |
| Luminous Flux | 2234 lm | Measured @ 12.4 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

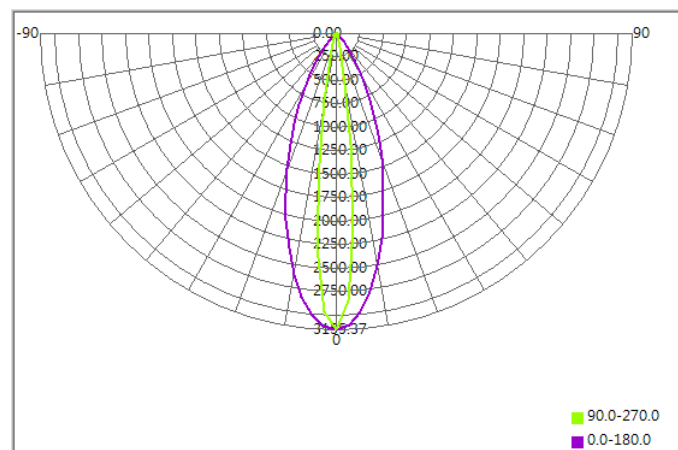




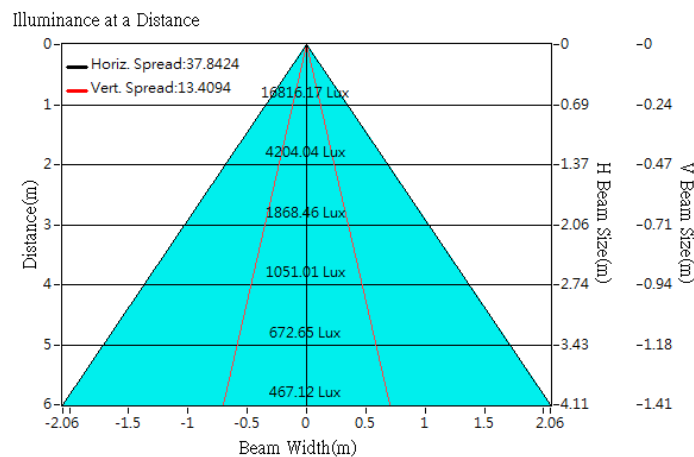
Optical Characteristics

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|-------------------|---------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | CLU 721 | | |
| LES / LED Size | Φ 11 mm | | |
| FWHM (D50) | 13°x38° | | |
| Field Angle (D10) | 25°x73° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness=33 mm | | |
| Luminous Flux | 5329 lm | Measured @ 38.7 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

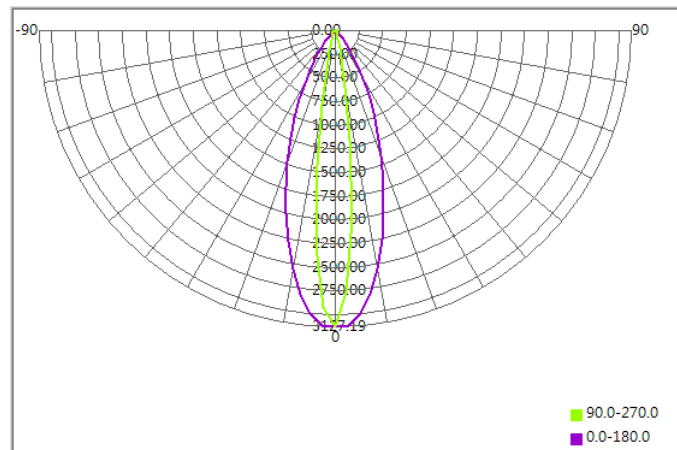




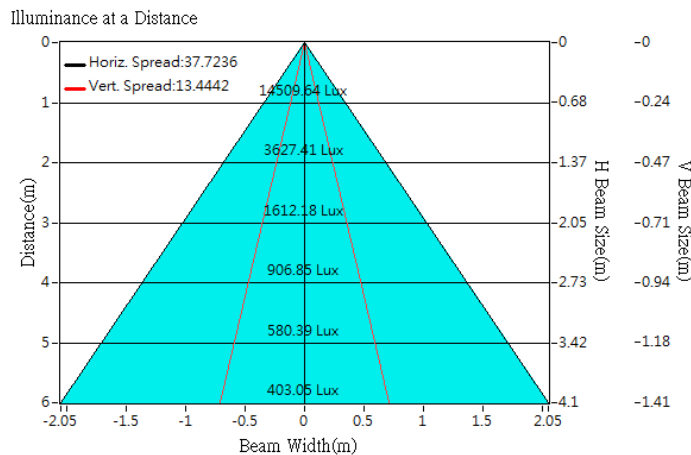
Optical Characteristics

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|-------------------|---------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | CLU 720 | | |
| LES / LED Size | Φ 11 mm | | |
| FWHM (D50) | 13°x38° | | |
| Field Angle (D10) | 27°x73° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness=33 mm | | |
| Luminous Flux | 4640 lm | Measured @ 38.9 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

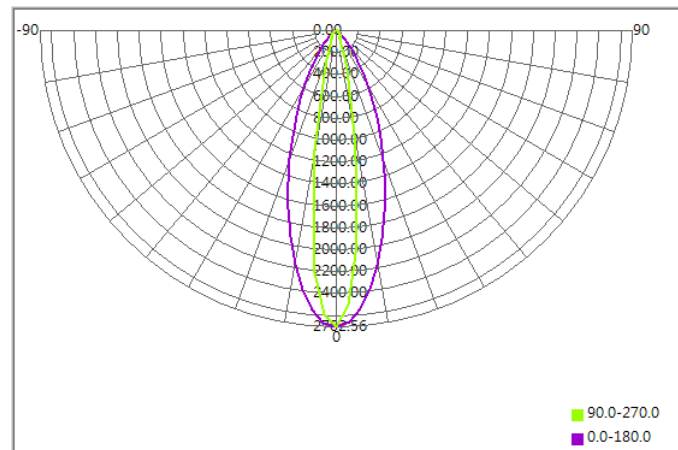




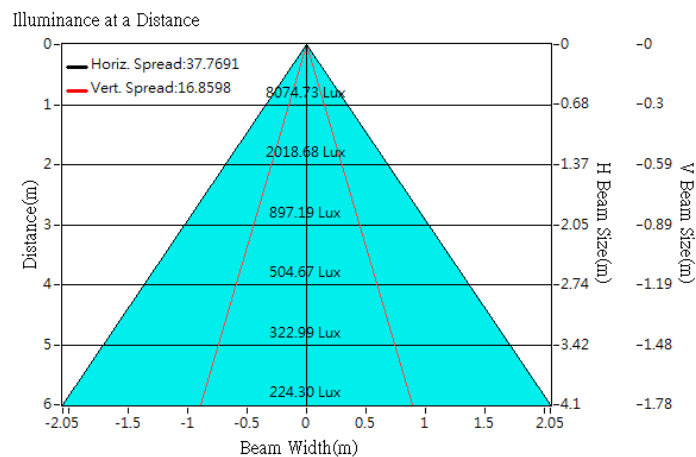
Optical Characteristics

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|-------------------|---------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | CLU 038 | | |
| LES / LED Size | Φ 14.5 mm | | |
| FWHM (D50) | 16°x38° | | |
| Field Angle (D10) | 35°x75° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness=33 mm | | |
| Luminous Flux | 2988 lm | Measured @ 25.4 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

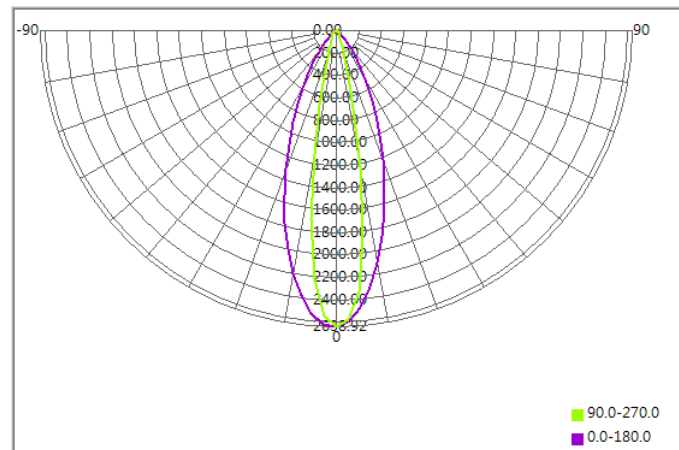




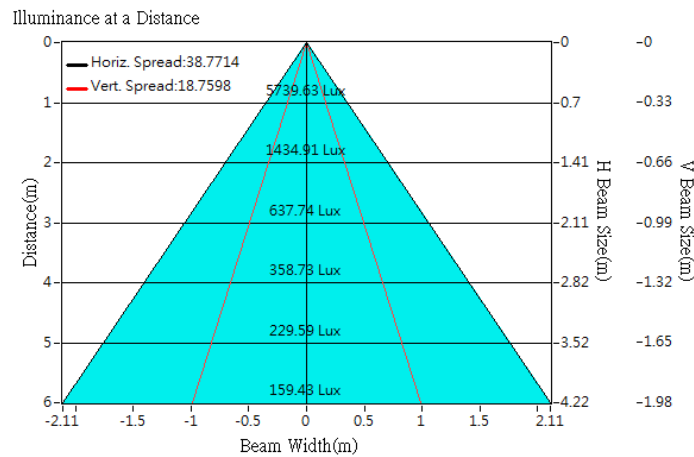
Optical Characteristics

| | | | |
|-------------------|---------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | CLU 036 | | |
| LES / LED Size | Φ 14.5 mm | | |
| FWHM (D50) | 18°x39° | | |
| Field Angle (D10) | 35°x76° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness=33 mm | | |
| Luminous Flux | 2175 lm | Measured @ 15.7 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

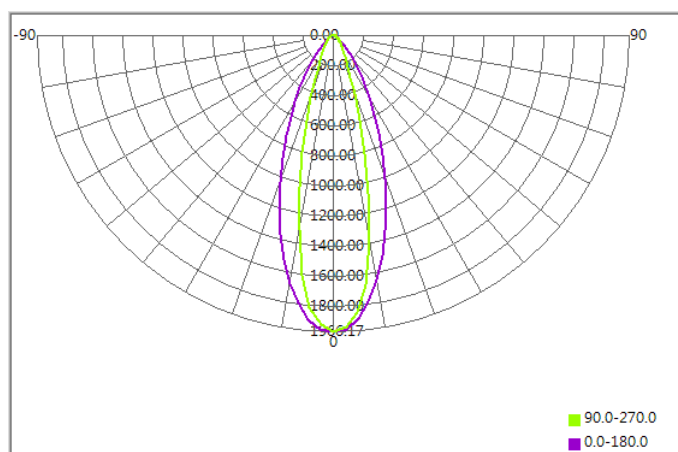




Optical Characteristics

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|-------------------|---------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | CLU 048 | | |
| LES / LED Size | Φ 22 mm | | |
| FWHM (D50) | 26°x41° | | |
| Field Angle (D10) | 54°x82° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness=33 mm | | |
| Luminous Flux | 6747 lm | Measured @ 53.8 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

