



Product Model Number

CKO-CC20-075026-0405

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

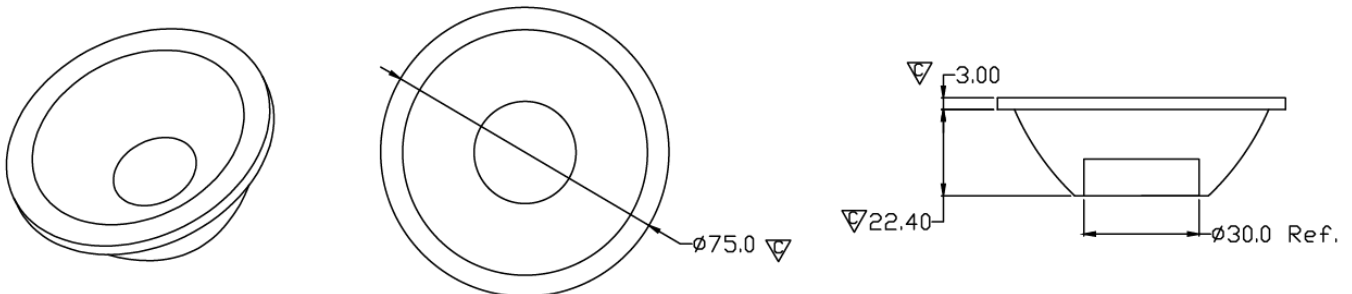


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

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

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

✓ Dimensions (mm) : Φ75 x 25.4



▽:Critical Dimension



✓ Optical Characteristics – Angle Performances

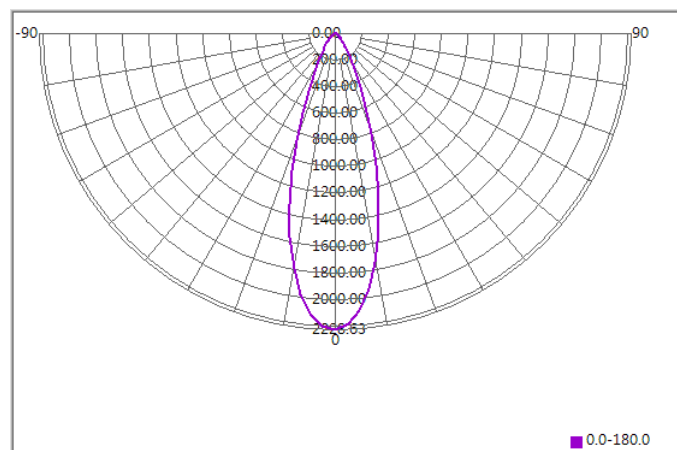
Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
CXB1520	Φ9	34°	63°
CMT1407	Φ9.8	33°	62°
CMT1412	Φ9.8	34°	64°
CXA1816	Φ12	35°	66°
CXB1816	Φ12	36°	67°
CXA1820	Φ12	36°	67°
CXB1820	Φ12	36°	66°
CMA1825	Φ12	35°	66°
CXA1830	Φ14	36°	36°
CXB1830	Φ14	37°	68°
CMA1840	Φ14	37°	68°
CMT1922	Φ14.5	37°	69°
CMT1925	Φ14.5	38°	69°
CMT1930	Φ14.5	37°	68°
CMT1945	Φ14.5	37°	69°
CXA2520	Φ19	41°	75°
CXA2530	Φ19	41°	75°
CXB2530	Φ19	42°	76°
CXA2540	Φ19	41°	75°
CXB2540	Φ19	42°	76°



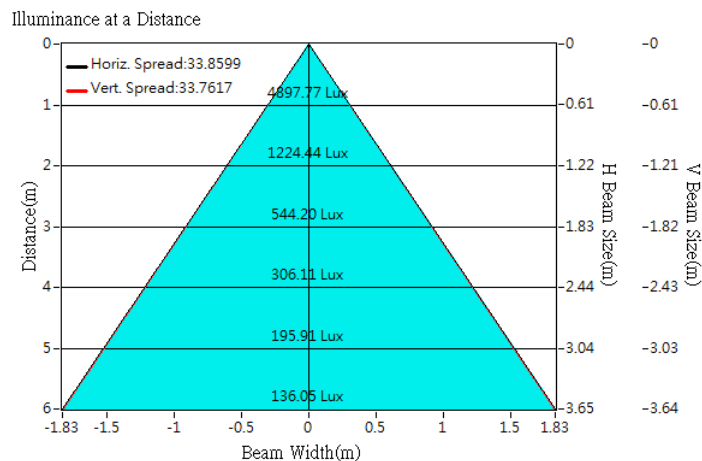
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p>
LED	CXB1520		
LES / LED Size	Φ 9 mm		
FWHM (D50)	34°		
Field Angle (D10)	63°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2197 lm	Measured @ 16.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

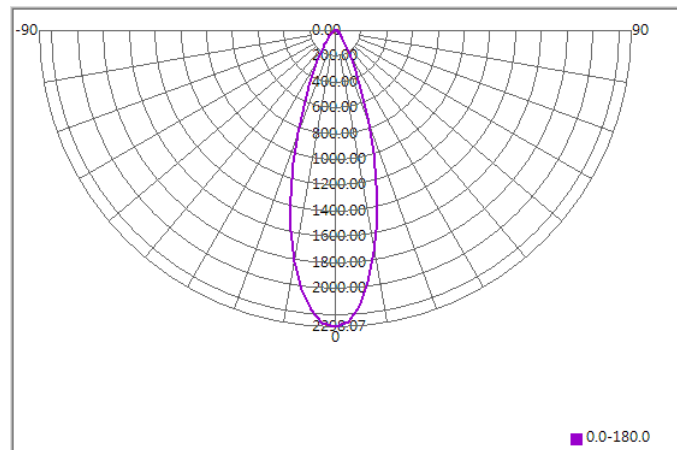




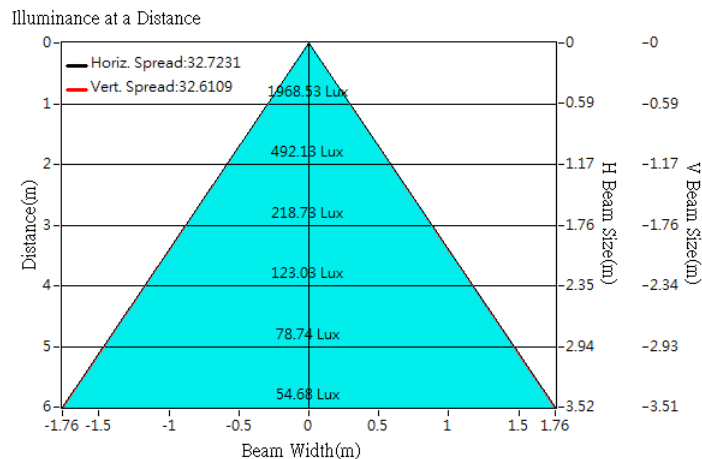
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p>
LED	CMT1407		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	33°		
Field Angle (D10)	62°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	856 lm	Measured @ 7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

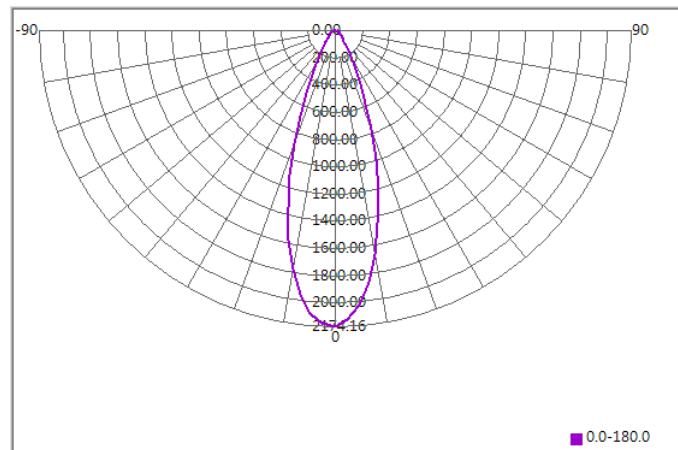




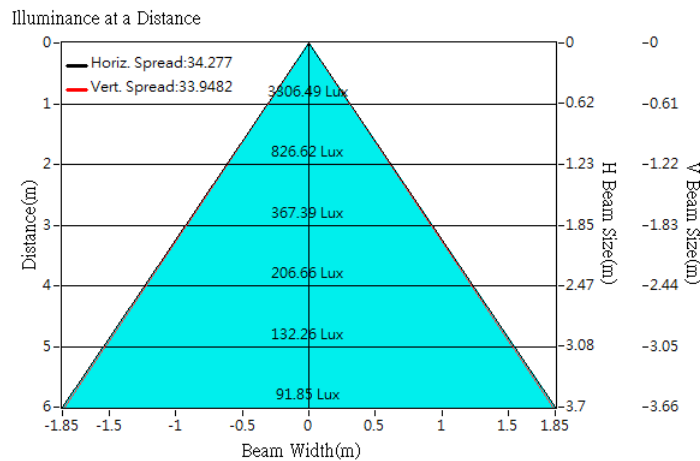
Optical Characteristics

Model Number	CKO-CC20-075026-0405	<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1412	
LES / LED Size	Φ 9.8 mm	
FWHM (D50)	34°	
Field Angle (D10)	64°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	1520 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

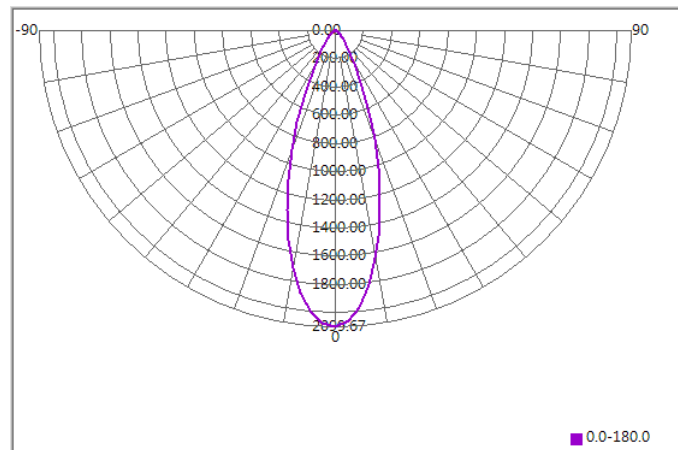




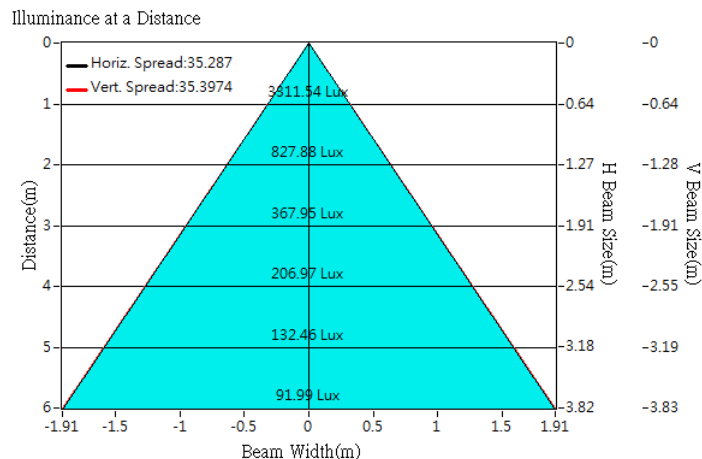
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p>
LED	CXA1816		
LES / LED Size	Φ 12 mm		
FWHM (D50)	35°		
Field Angle (D10)	66°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1577 lm	Measured @ 16.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

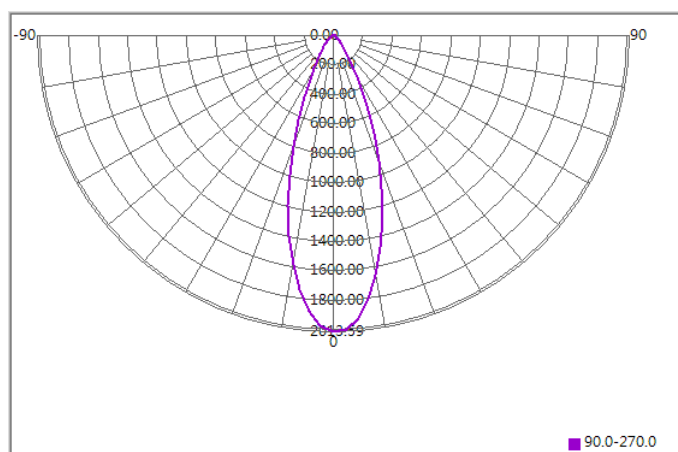




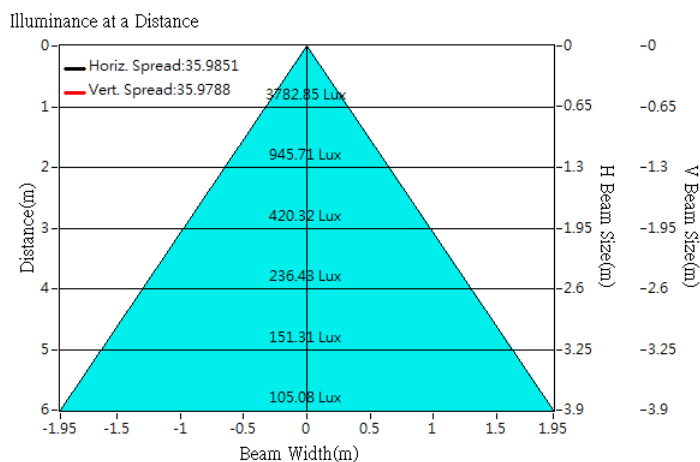
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB1816		
LES / LED Size	Φ 12 mm		
FWHM (D50)	36°		
Field Angle (D10)	67°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1878 lm	Measured @ 15.6 W	
Material	PC / UL94V2		

cd/klm

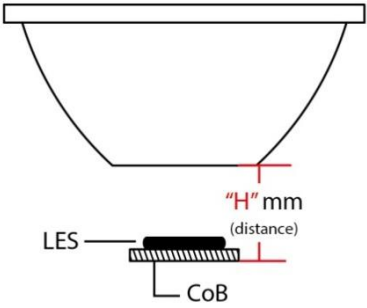


Illuminance At Distances

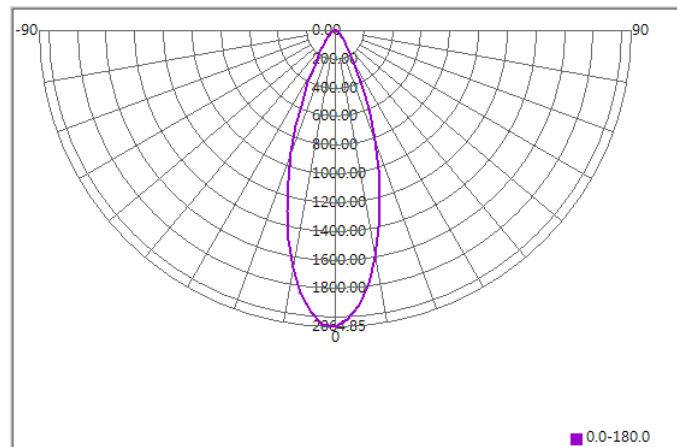




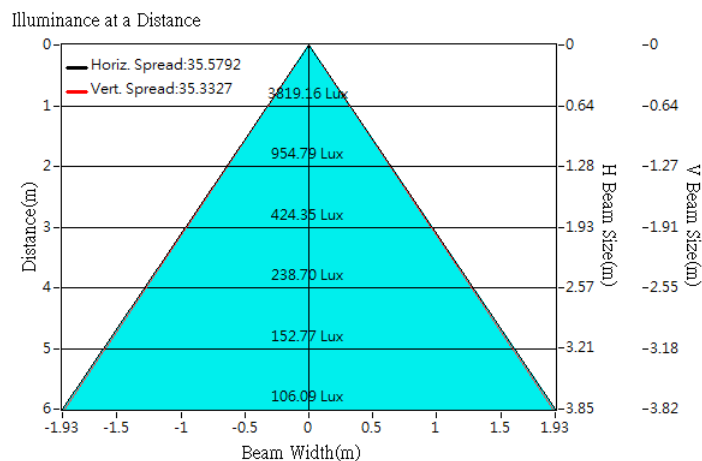
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p> 
LED	CXA1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	36°		
Field Angle (D10)	67°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1849 lm	Measured @ 19.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

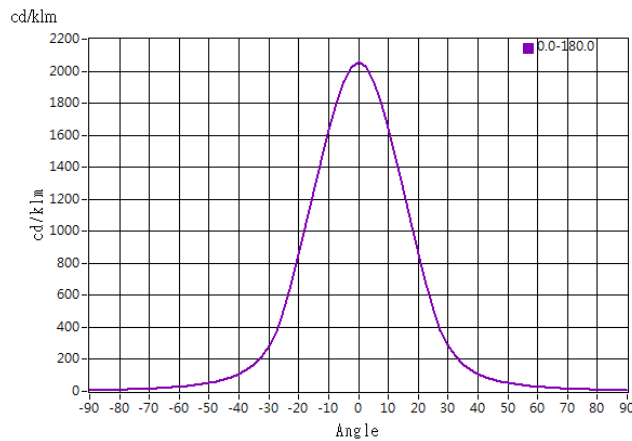




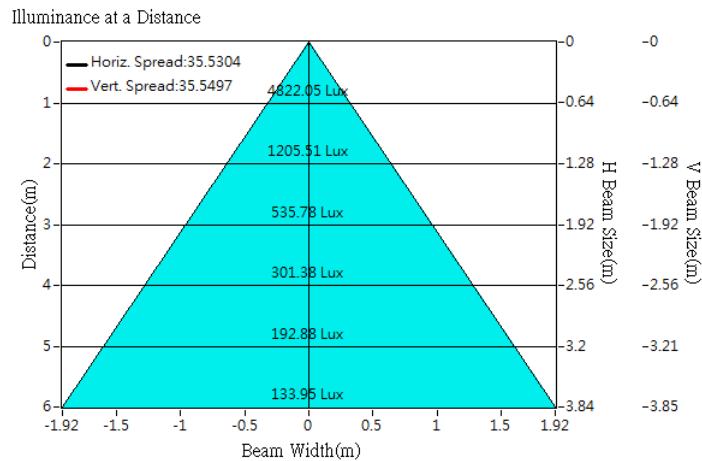
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p>
LED	CXB1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	36°		
Field Angle (D10)	66°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2341 lm	Measured @ 19.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

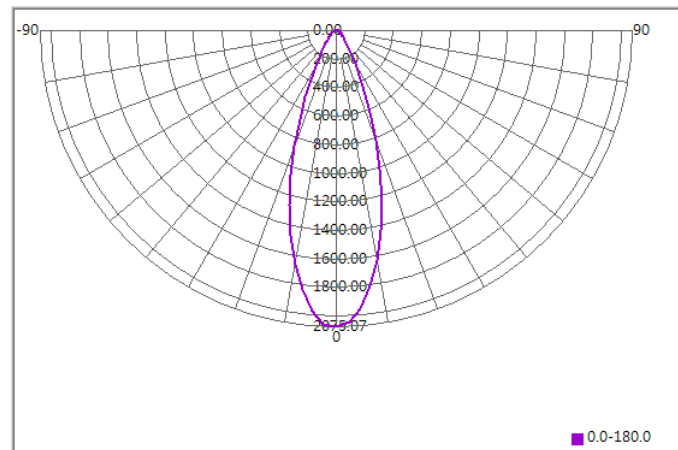




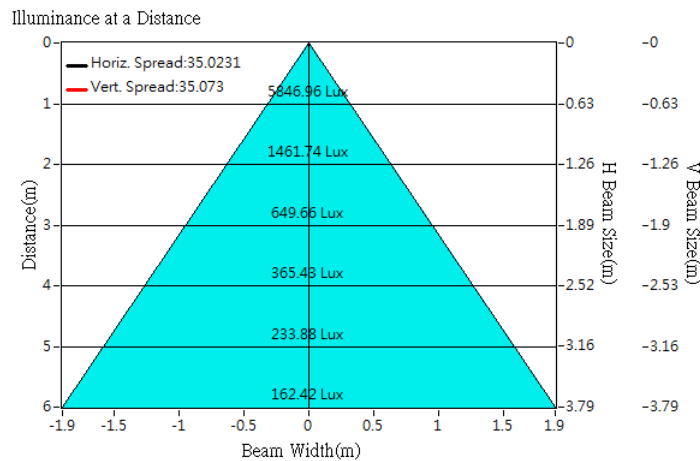
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p> <p>LES CoB</p>
LED	CMA1825		
LES / LED Size	Φ 12 mm		
FWHM (D50)	35°		
Field Angle (D10)	66°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2817 lm	Measured @ 25 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

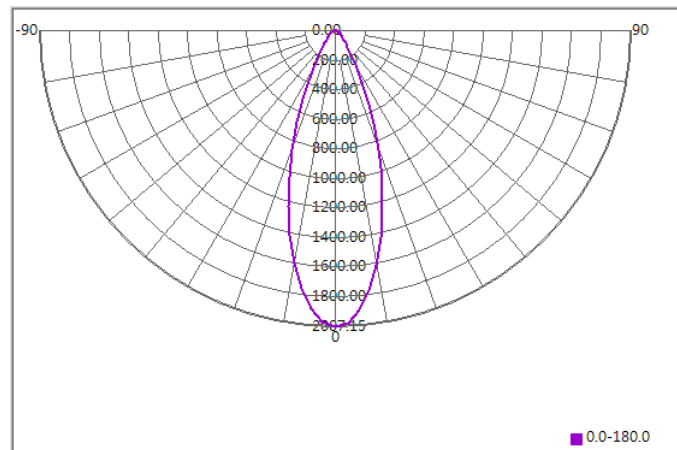




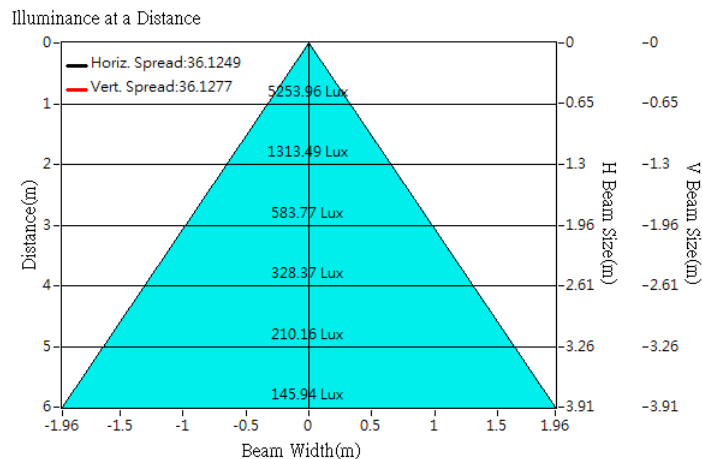
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p>
LED	CXA1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	36°		
Field Angle (D10)	68°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2617 lm	Measured @ 30 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

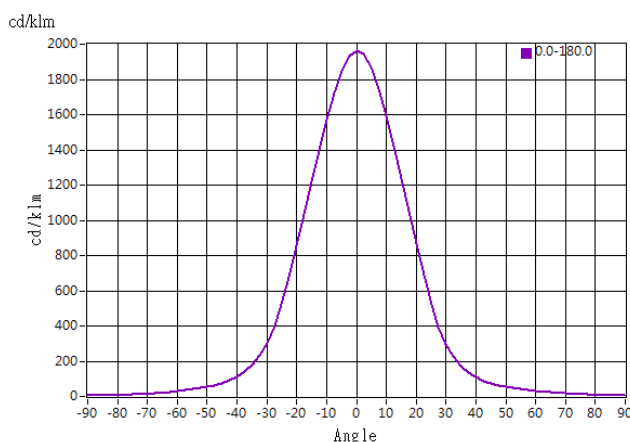




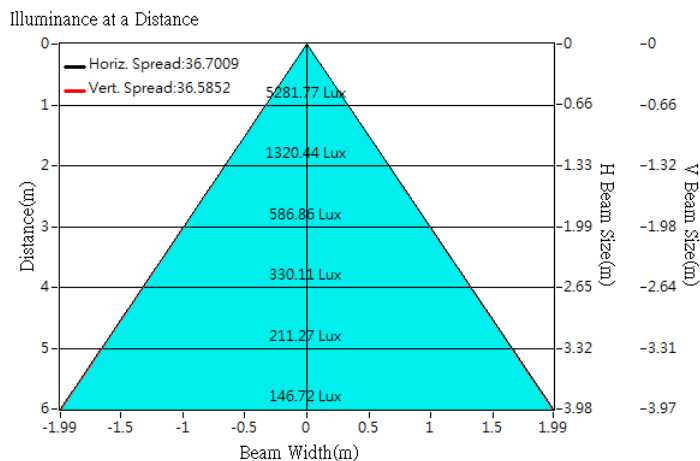
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p>
LED	CXB1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	37°		
Field Angle (D10)	68°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2693 lm	Measured @ 27.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

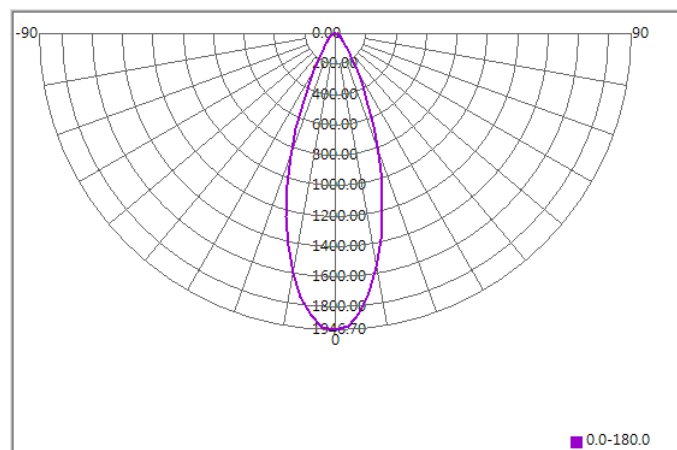




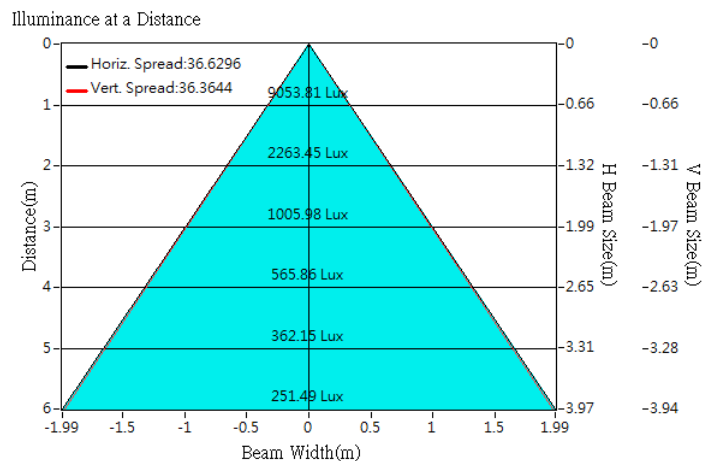
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p>
LED	CMA1840		
LES / LED Size	Φ 14 mm		
FWHM (D50)	37°		
Field Angle (D10)	68°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	4650 lm	Measured @ 38.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

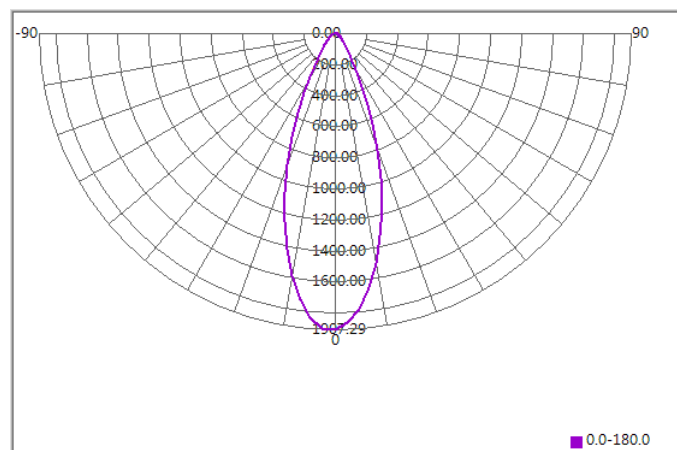




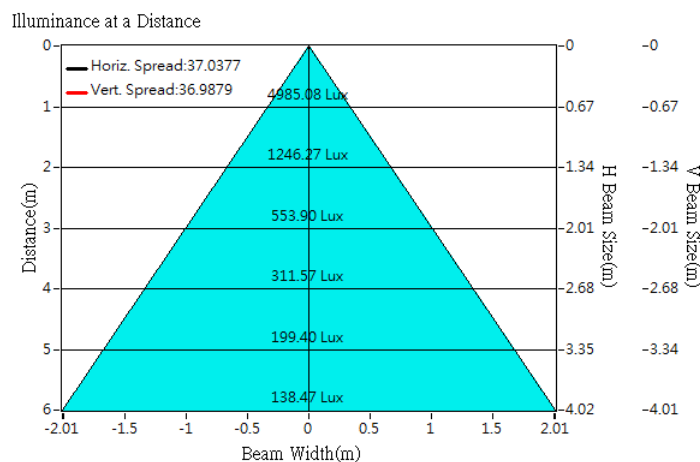
Optical Characteristics

Model Number	CKO-CC20-075026-0405	<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1922	
LES / LED Size	Φ 14.5 mm	
FWHM (D50)	37°	
Field Angle (D10)	69°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	2613 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

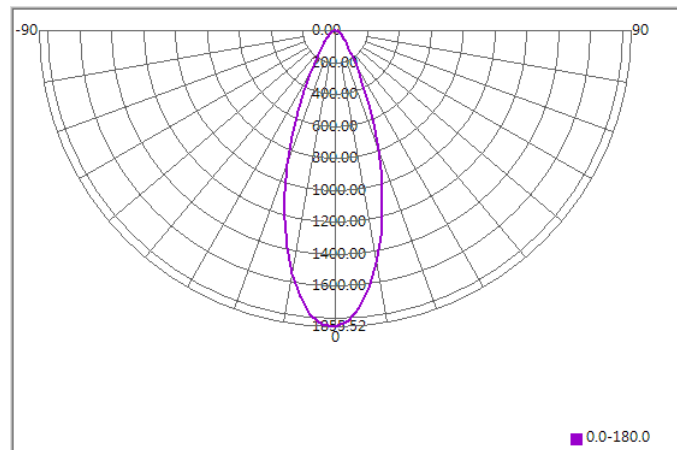




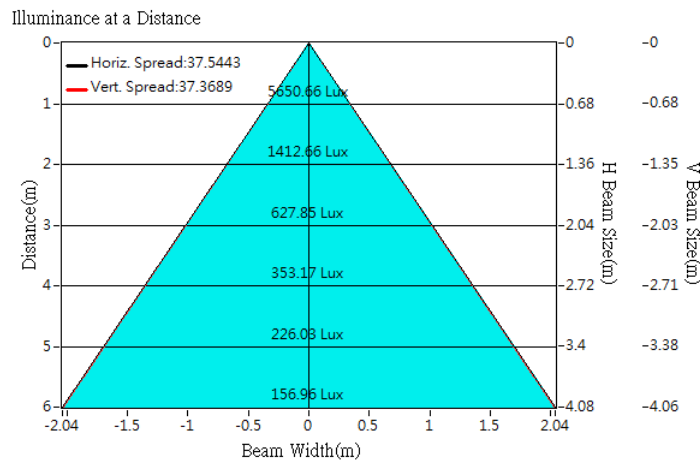
Optical Characteristics

Model Number	CKO-CC20-075026-0405	<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1925	
LES / LED Size	Φ 14.5 mm	
FWHM (D50)	38°	
Field Angle (D10)	69°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	3045 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

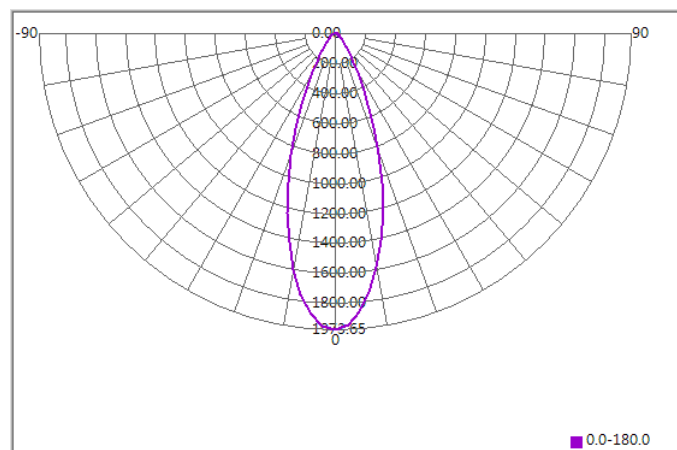




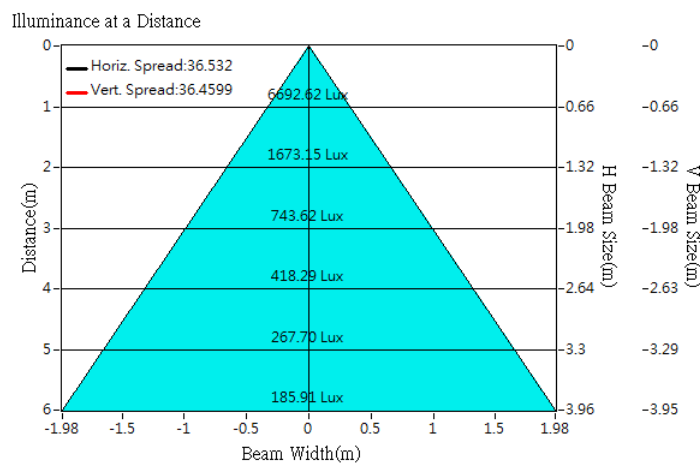
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1930		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	37°		
Field Angle (D10)	68°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3390 lm	Measured @ 27.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

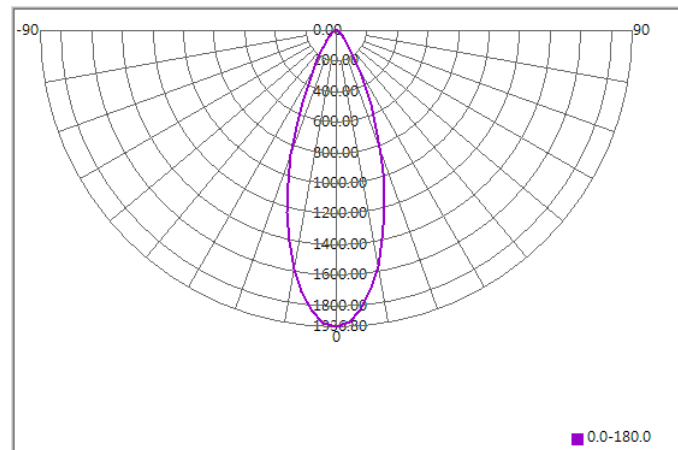




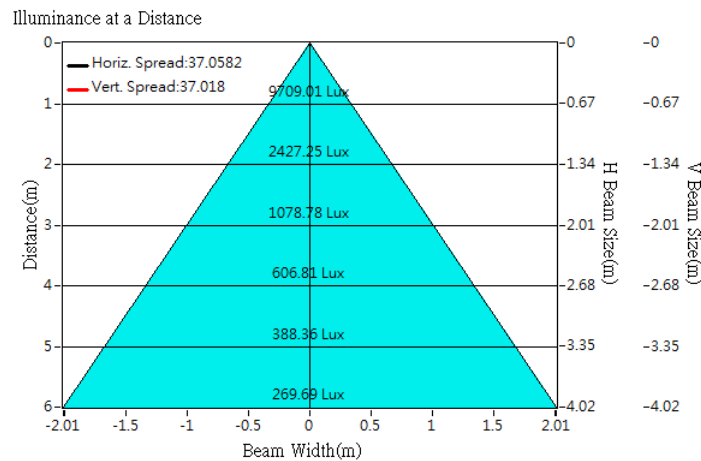
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1945		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	37°		
Field Angle (D10)	69°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	5012 lm	Measured @ 42.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

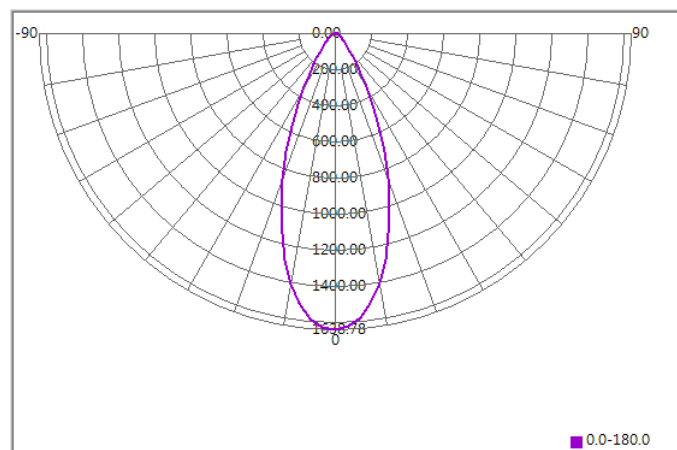




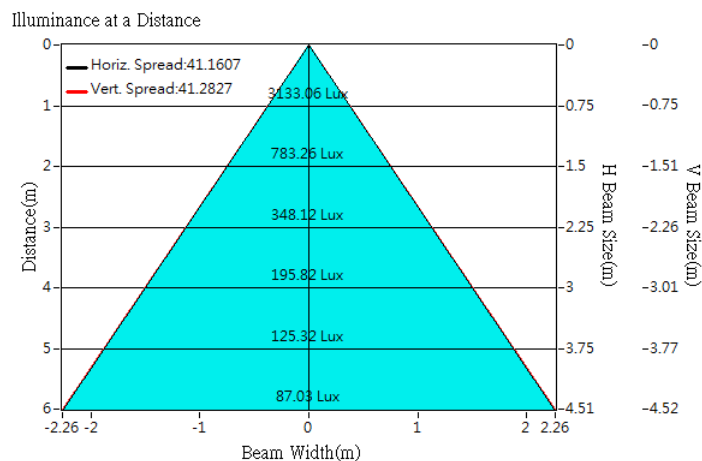
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p>
LED	CXA2520		
LES / LED Size	Φ 19 mm		
FWHM (D50)	41°		
Field Angle (D10)	75°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1911 lm	Measured @ 20.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

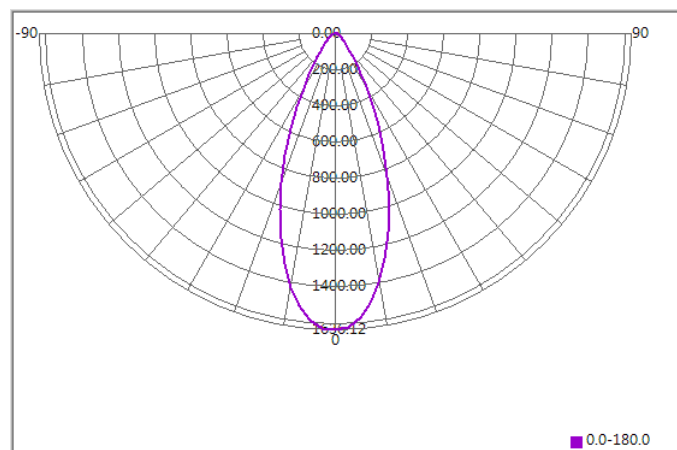




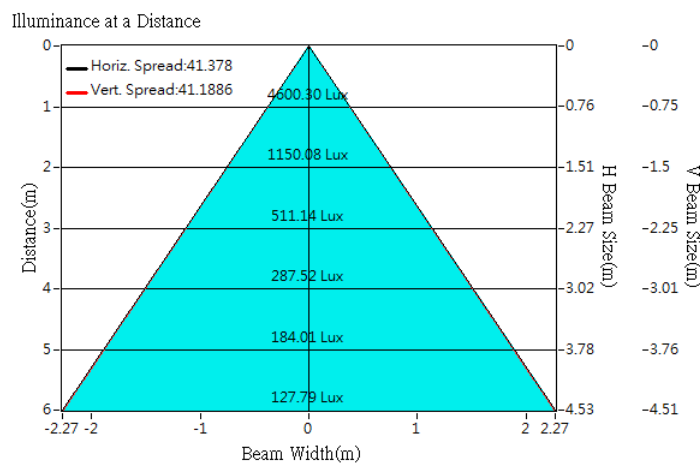
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p> <p>LES CoB</p>
LED	CXA2530		
LES / LED Size	Φ 19 mm		
FWHM (D50)	41°		
Field Angle (D10)	75°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2811 lm	Measured @ 28.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

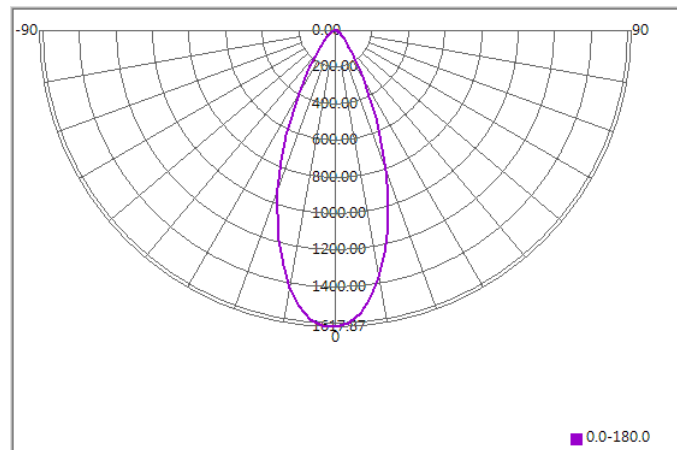




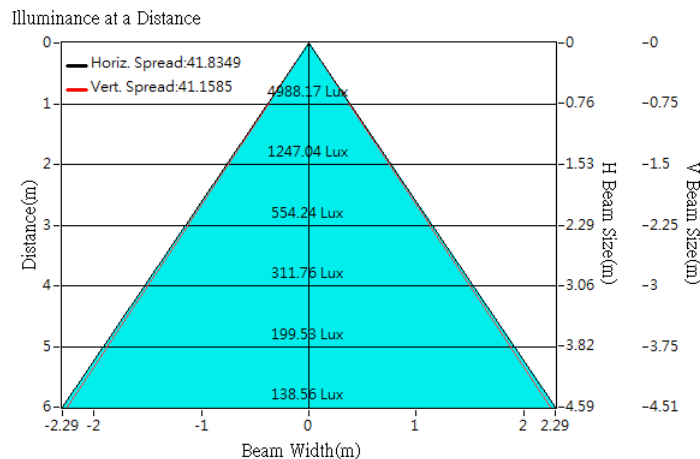
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB2530		
LES / LED Size	Φ 19 mm		
FWHM (D50)	42°		
Field Angle (D10)	76°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3083 lm	Measured @ 27.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

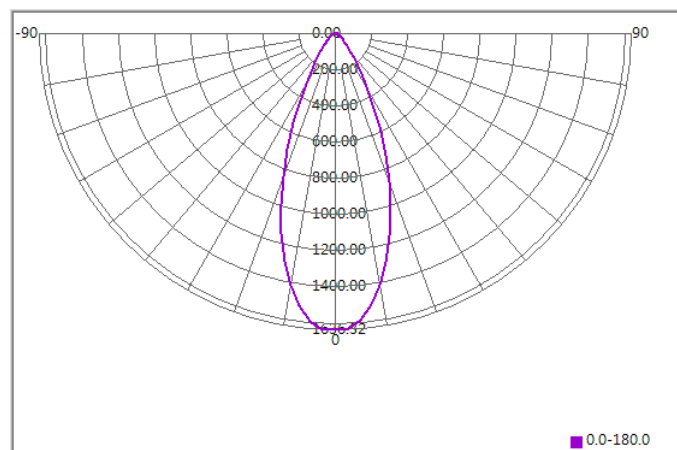




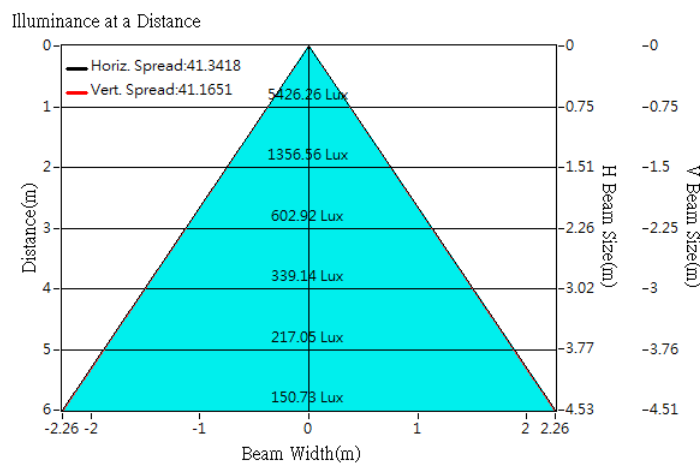
Optical Characteristics

Model Number	CKO-CC20-075026-0405		<p>"H" definition</p> <p>LES CoB</p>
LED	CXA2540		
LES / LED Size	Φ 19 mm		
FWHM (D50)	41°		
Field Angle (D10)	75°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3316 lm	Measured @ 39.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

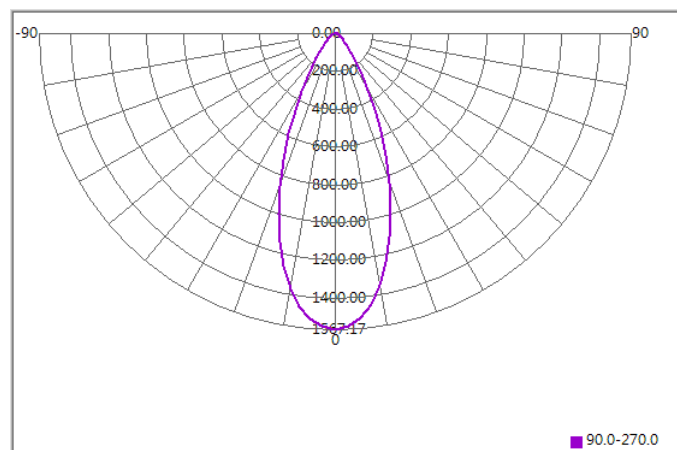




Optical Characteristics

Model Number	CKO-CC20-075026-0405	<p>"H" definition</p>
LED	CXB2540	
LES / LED Size	Φ 19 mm	
FWHM (D50)	42°	
Field Angle (D10)	76°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	4531 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

