



Product Model Number

CKO-CC20-075026-0401

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

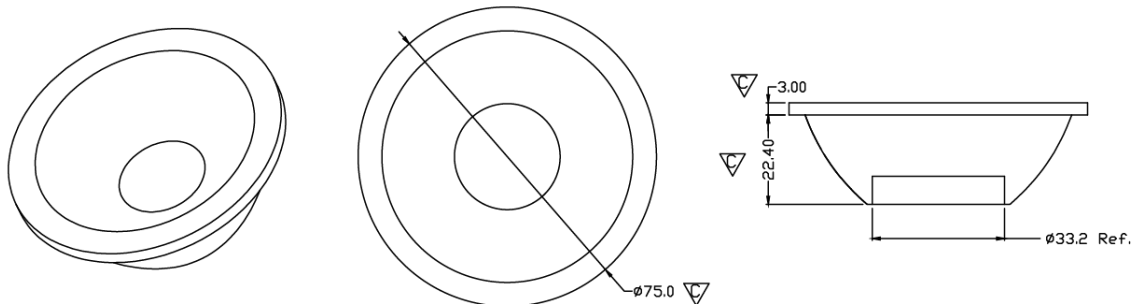


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

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

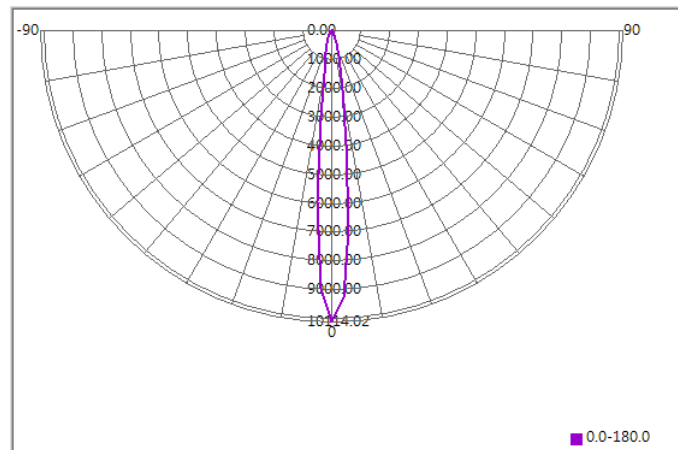
Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
CXB1520	Φ9	12°	27°
CMT1407	Φ9.8	12°	28°
CMT1412	Φ9.8	12°	29°
CXA1816	Φ12	15°	36°
CXB1816	Φ12	16°	36°
CXA1820	Φ12	16°	37°
CXB1820	Φ12	15°	36°
CMA1825	Φ12	16°	37°
CXA1850	Φ12	15°	36°
CXA1830	Φ14	17°	41°
CXB1830	Φ14	18°	42°
CMA1840	Φ14	19°	42°
CMT1922	Φ14.5	18°	40°
CMT1925	Φ14.5	19°	42°
CMT1930	Φ14.5	18°	42°
CMT1945	Φ14.5	18°	43°
CXA2520	Φ19	24°	52°
CXA2530	Φ19	24°	52°
CXB2530	Φ19	24°	52°
CXA2540	Φ19	24°	53°
CXB2540	Φ19	25°	55°



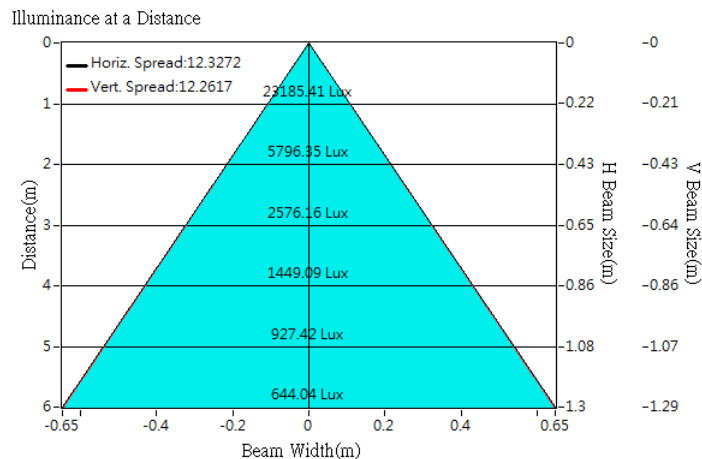
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB1520		
LES / LED Size	Φ 9 mm		
FWHM (D50)	12°		
Field Angle (D10)	27°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2292 lm	Measured @ 16.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

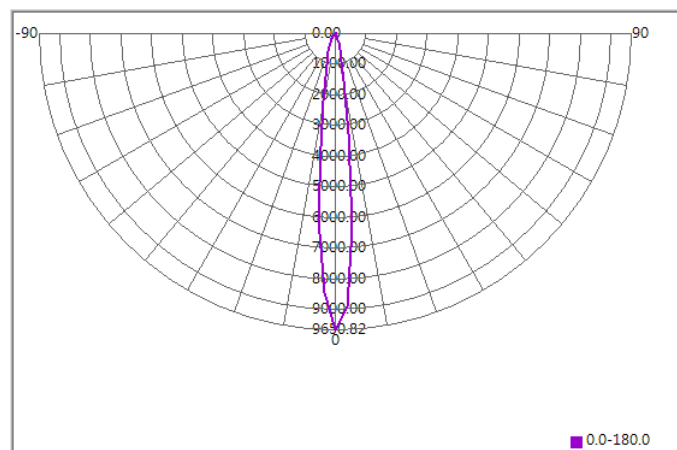




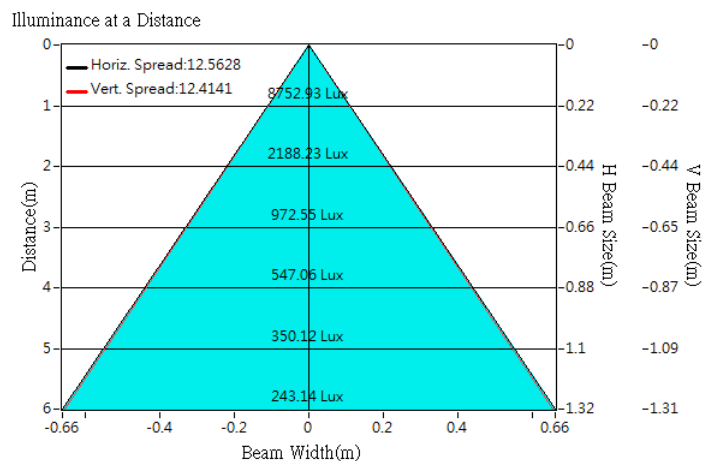
Optical Characteristics

Model Number	CKO-CC20-075026-0401	<p>"H" definition</p>
LED	CMT1407	
LES / LED Size	Φ 9.8 mm	
FWHM (D50)	12°	
Field Angle (D10)	28°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	906 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

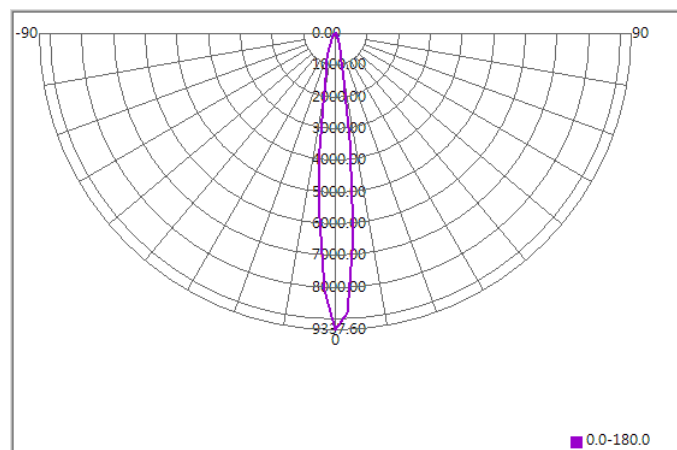




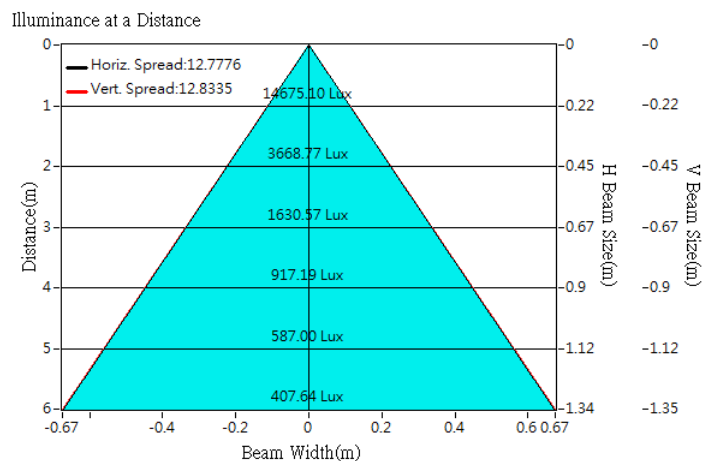
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p>
LED	CMT1412		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	12°		
Field Angle (D10)	29°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1571 lm	Measured @ 12.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

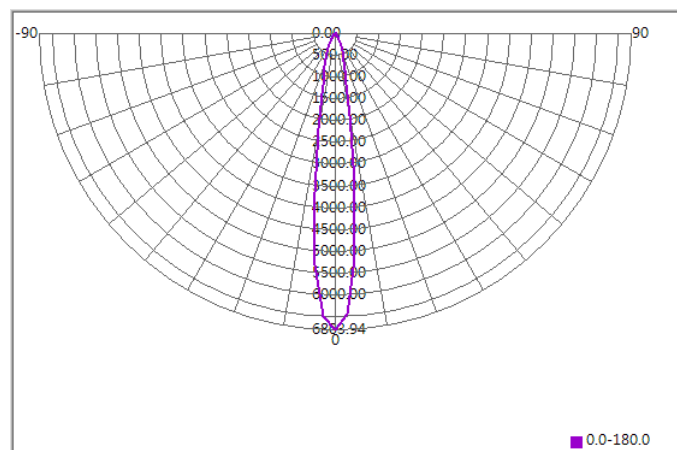




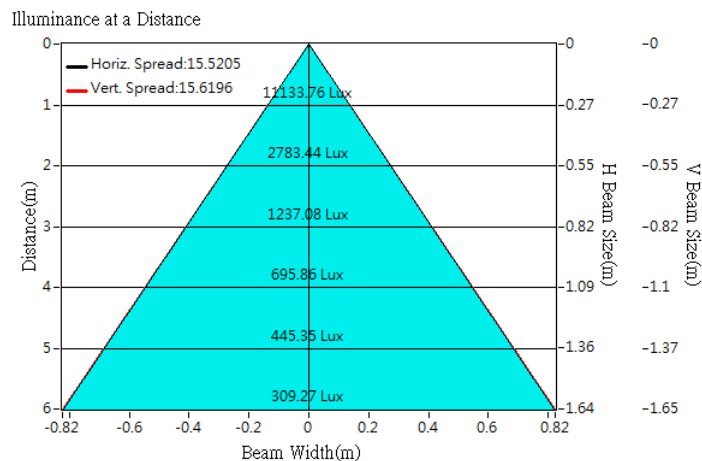
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p> <p>LES CoB</p>
LED	CXA1816		
LES / LED Size	Φ 12 mm		
FWHM (D50)	15°		
Field Angle (D10)	36°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1636 lm	Measured @ 16.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

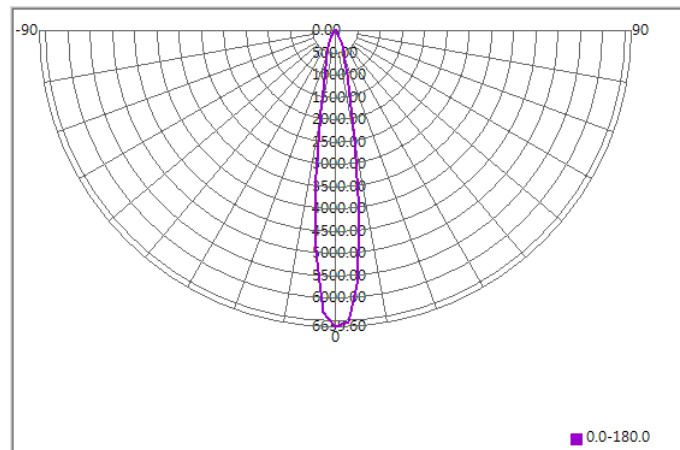




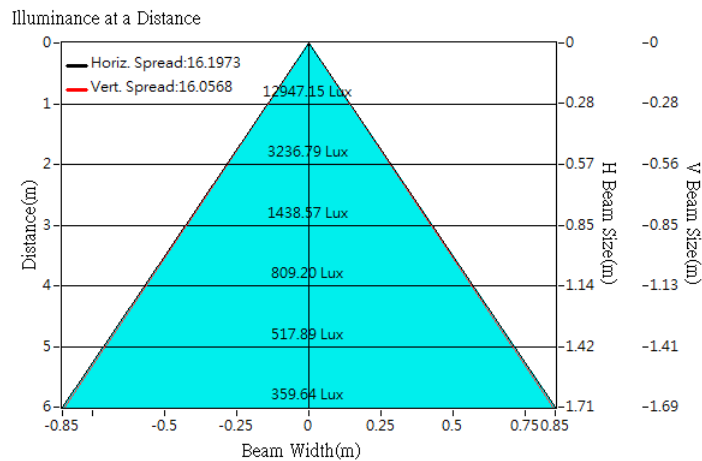
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB1816		
LES / LED Size	Φ 12 mm		
FWHM (D50)	16°		
Field Angle (D10)	36°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1949 lm	Measured @ 15.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

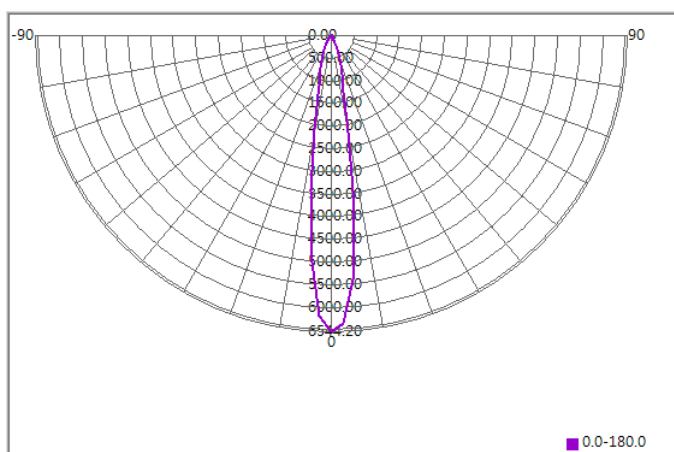




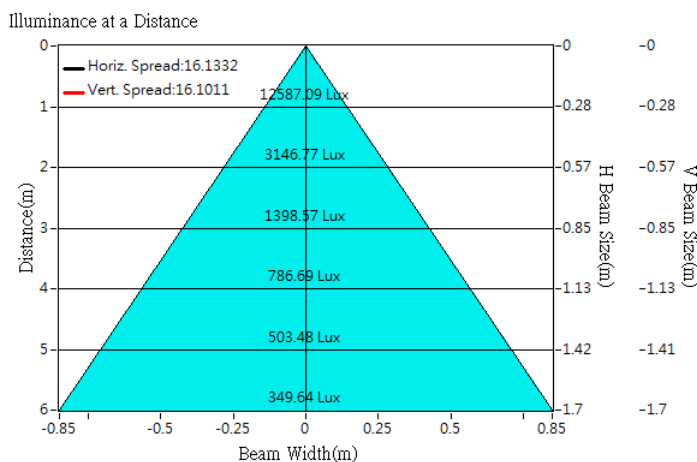
Optical Characteristics

Model Number	CKO-CC20-075026-0401	<p>"H" definition</p>	
LED	CXA1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	16°		
Field Angle (D10)	37°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1923 lm		Measured @ 19.7 W
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

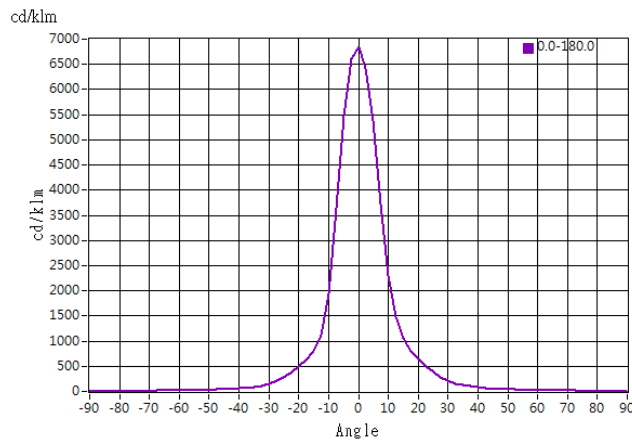




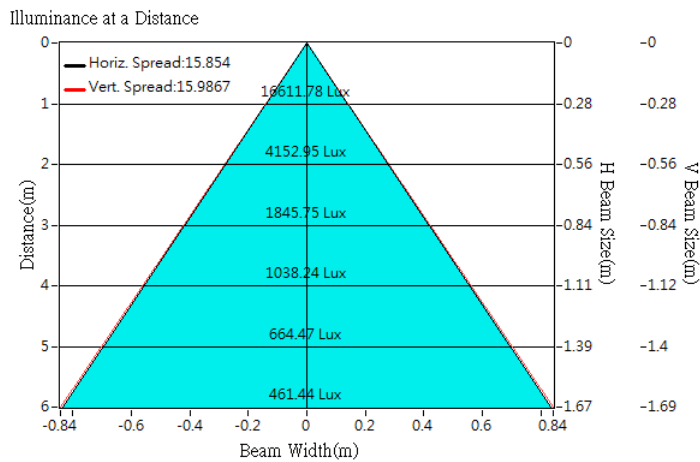
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p>
LED	CXB1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	15°		
Field Angle (D10)	36°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2423 lm	Measured @ 19.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

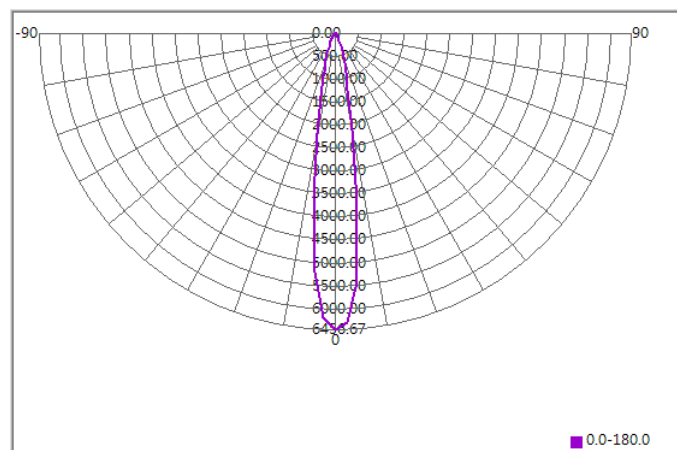




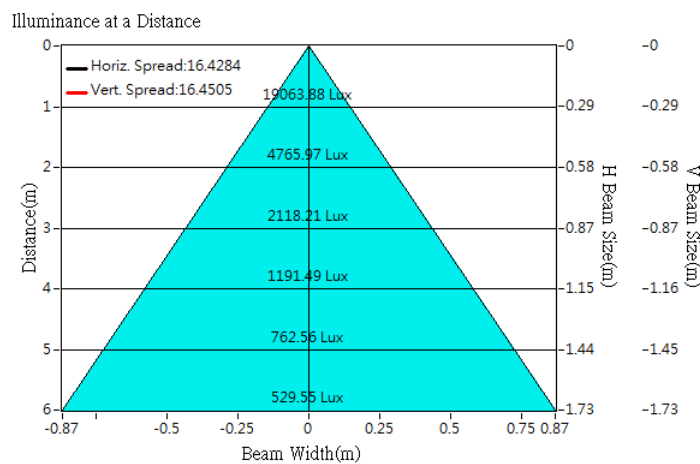
Optical Characteristics

Model Number	CKO-CC20-075026-0401	<p>"H" definition</p> <p>LES CoB</p>	
LED	CMA1825		
LES / LED Size	Φ 12 mm		
FWHM (D50)	16°		
Field Angle (D10)	37°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2952 lm		Measured @ 25 W
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

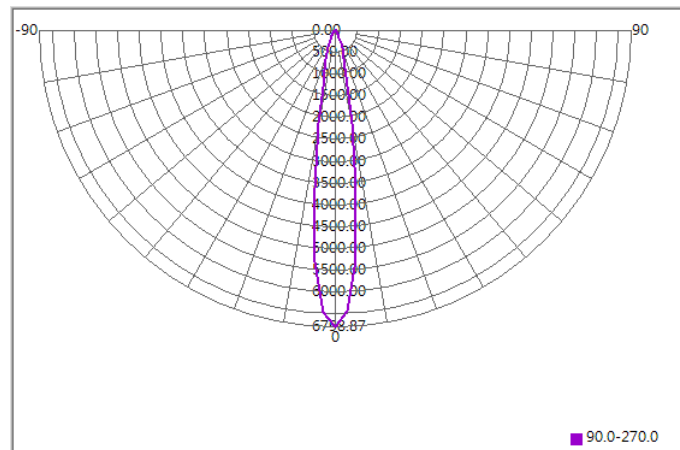




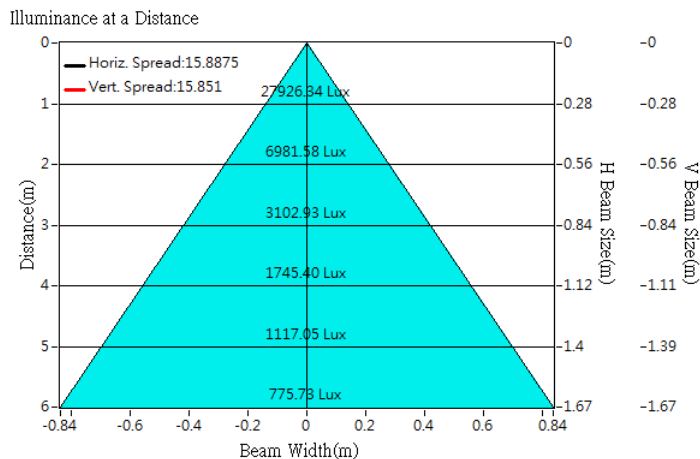
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p> <p>LES CoB</p>
LED	CXA1850		
LES / LED Size	Φ 12 mm		
FWHM (D50)	15°		
Field Angle (D10)	36°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	4107 lm	Measured @ 48 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

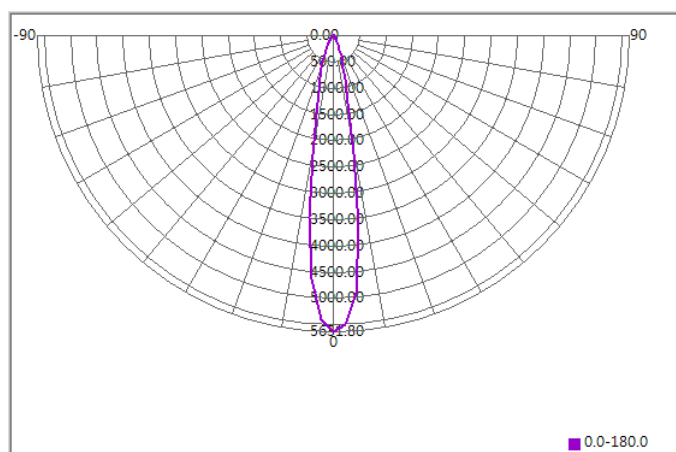




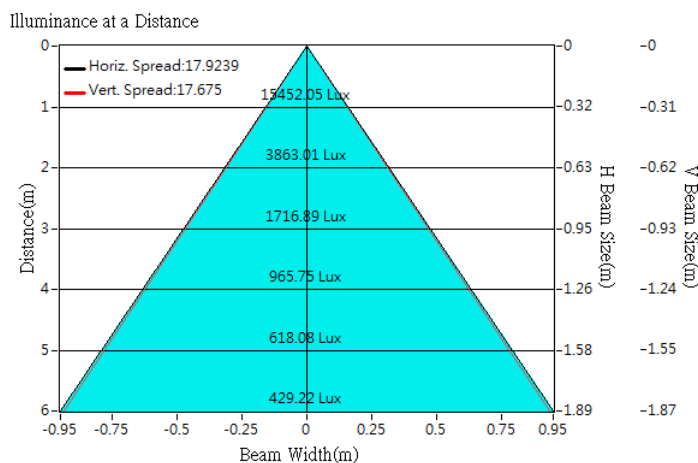
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p> <p>LES CoB</p>
LED	CXA1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	17°		
Field Angle (D10)	41°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2743 lm	Measured @ 30 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

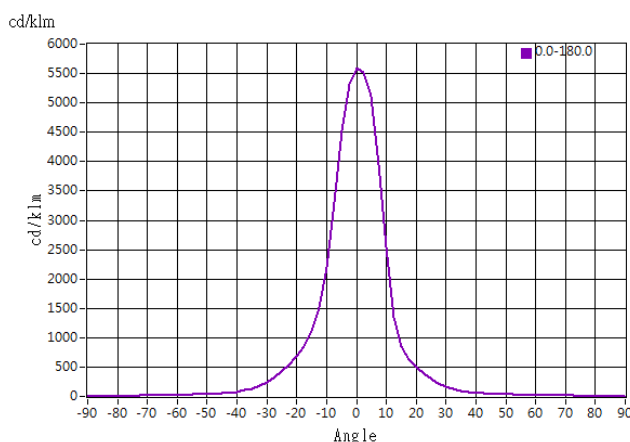




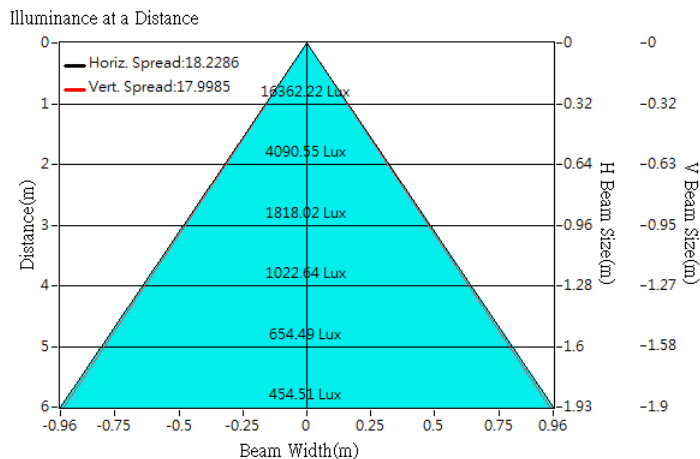
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p>
LED	CXB1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	18°		
Field Angle (D10)	42°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2927 lm	Measured @ 27.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

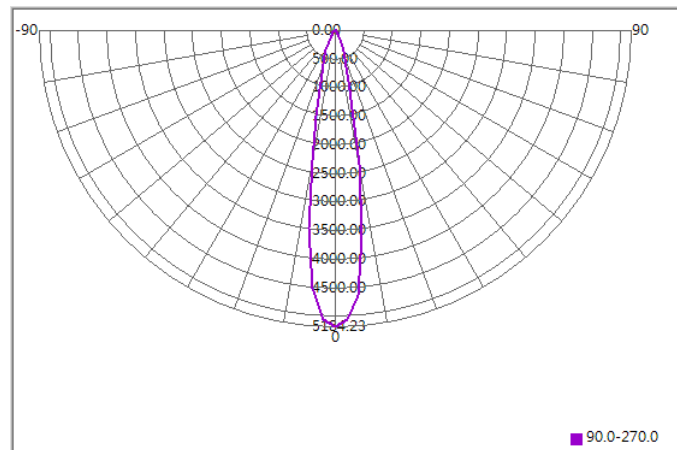




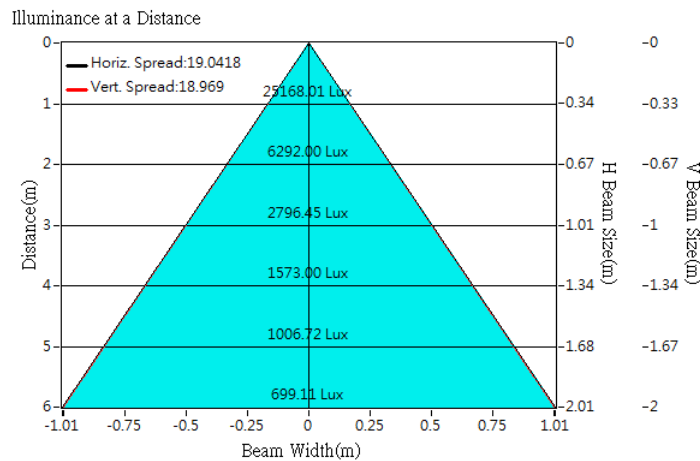
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p>
LED	CMA1840		
LES / LED Size	Φ 14 mm		
FWHM (D50)	19°		
Field Angle (D10)	42°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	4854 lm	Measured @ 38.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

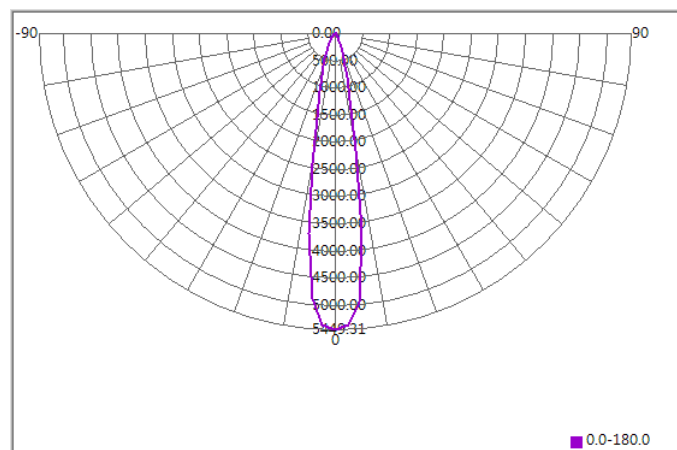




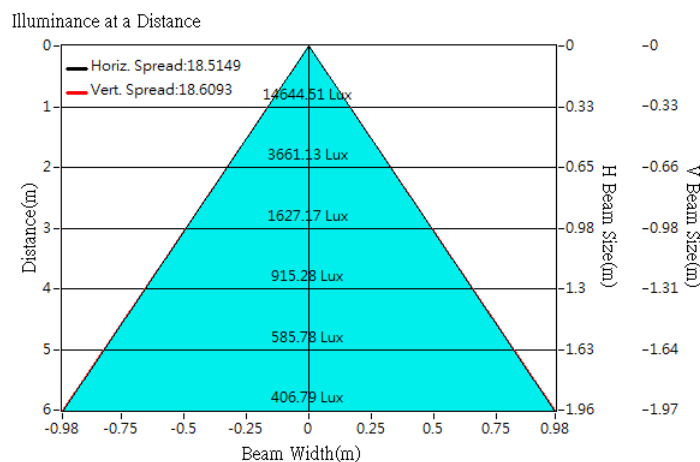
Optical Characteristics

Model Number	CKO-CC20-075026-0401	<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1922	
LES / LED Size	Φ 14.5 mm	
FWHM (D50)	18°	
Field Angle (D10)	40°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	2687 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

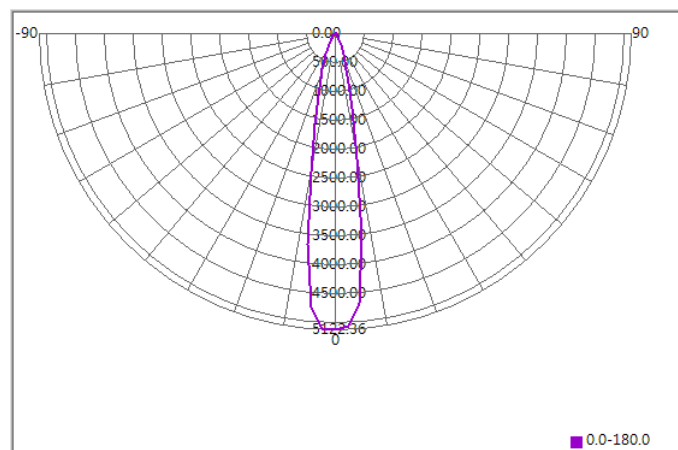




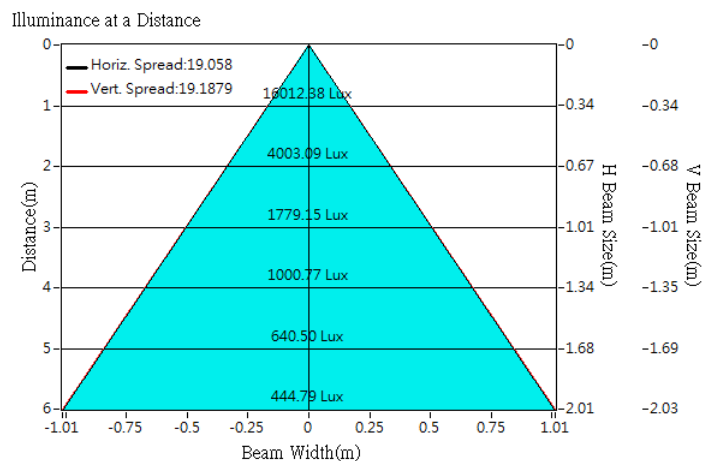
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1925		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	19°		
Field Angle (D10)	42°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3125 lm	Measured @ 25 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

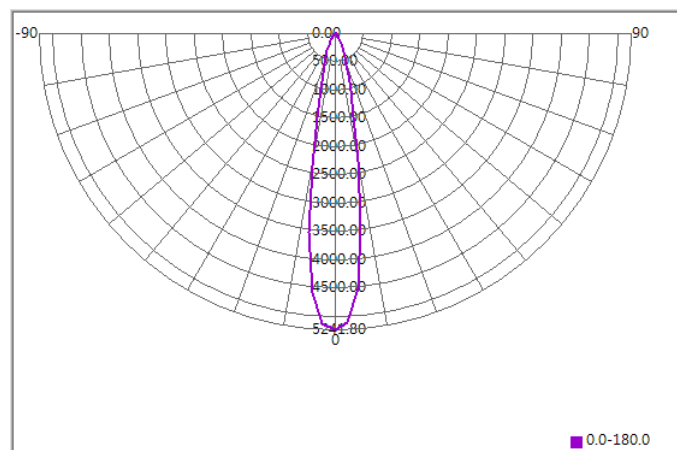




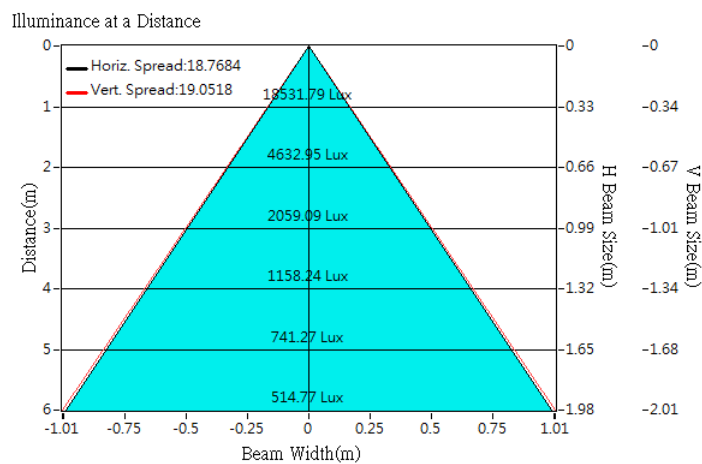
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1930		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	18°		
Field Angle (D10)	42°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3535 lm	Measured @ 27.6 W	
Material	PC / UL94V2		

cd/klm

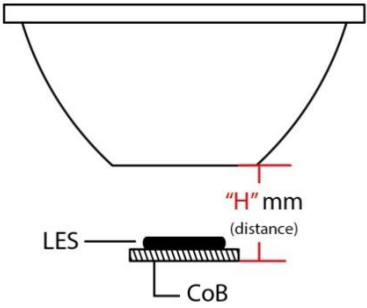


Illuminance At Distances

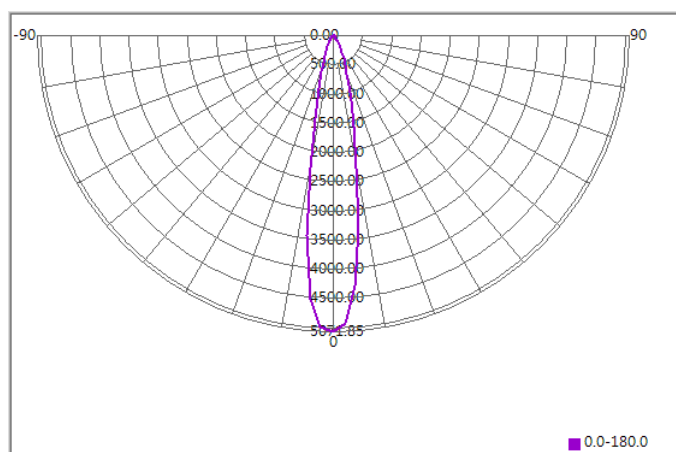




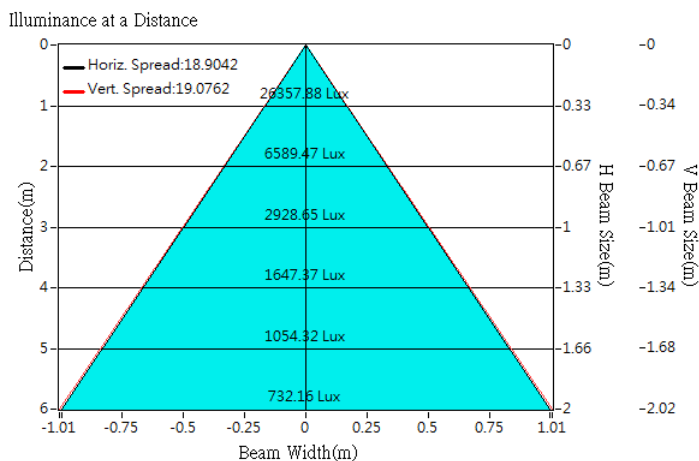
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p> 
LED	CMT1945		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	18°		
Field Angle (D10)	43°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	5196 lm	Measured @ 42.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

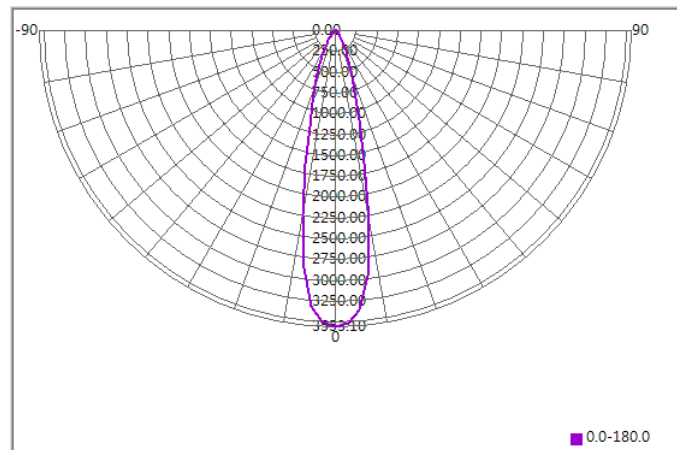




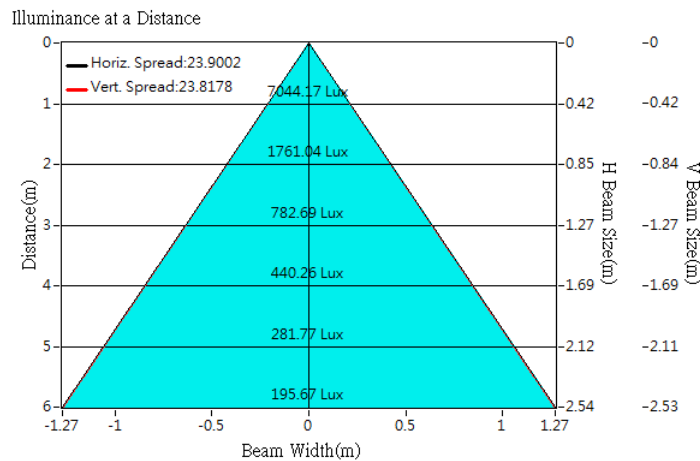
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p>
LED	CXA2520		
LES / LED Size	Φ 19 mm		
FWHM (D50)	24°		
Field Angle (D10)	52°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1982 lm	Measured @ 20.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

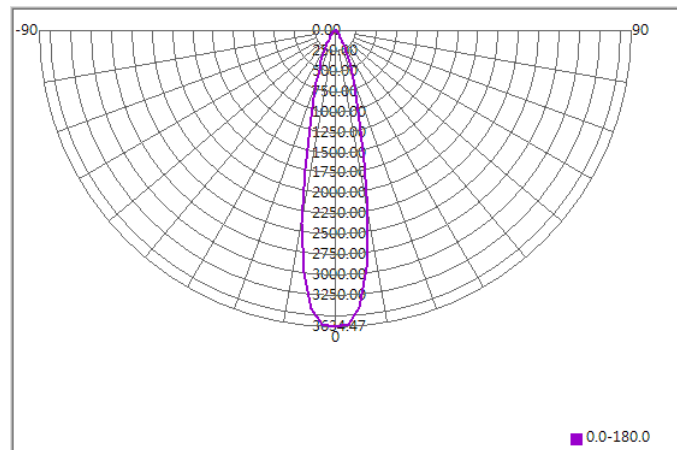




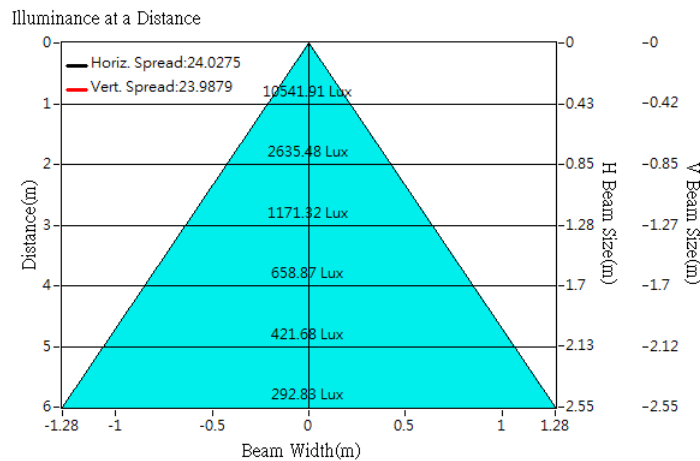
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p>
LED	CXA2530		
LES / LED Size	Φ 19 mm		
FWHM (D50)	24°		
Field Angle (D10)	52°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2900 lm	Measured @ 28.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

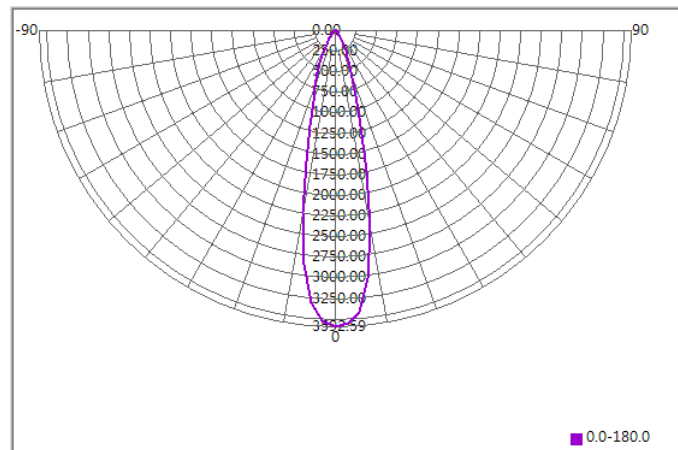




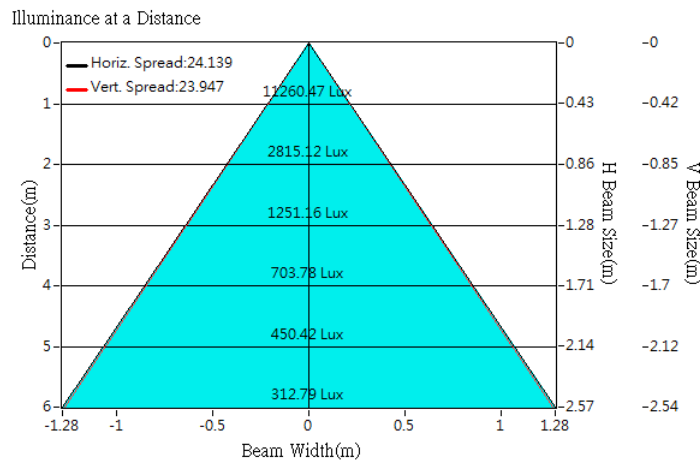
Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p>
LED	CXB2530		
LES / LED Size	Φ 19 mm		
FWHM (D50)	24°		
Field Angle (D10)	52°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3134 lm	Measured @ 27.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

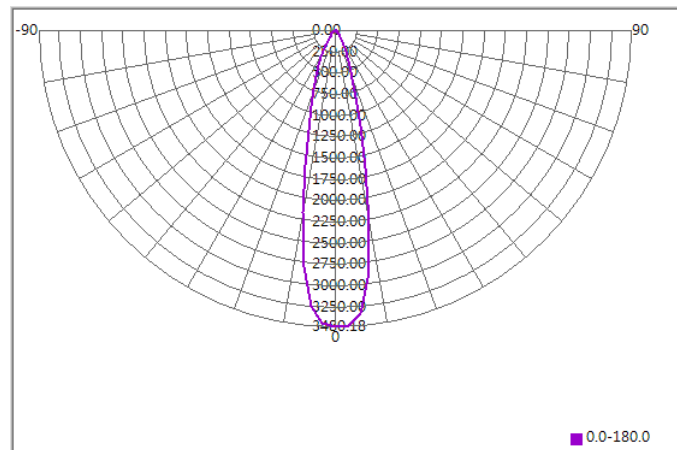




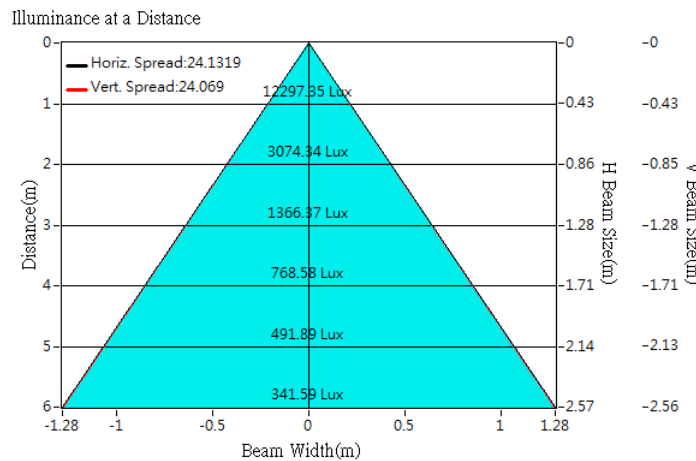
Optical Characteristics

Model Number	CKO-CC20-075026-0401	<p>"H" definition</p> <p>LES CoB</p>	
LED	CXA2540		
LES / LED Size	Φ 19 mm		
FWHM (D50)	24°		
Field Angle (D10)	53°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3533 lm		Measured @ 39.7 W
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

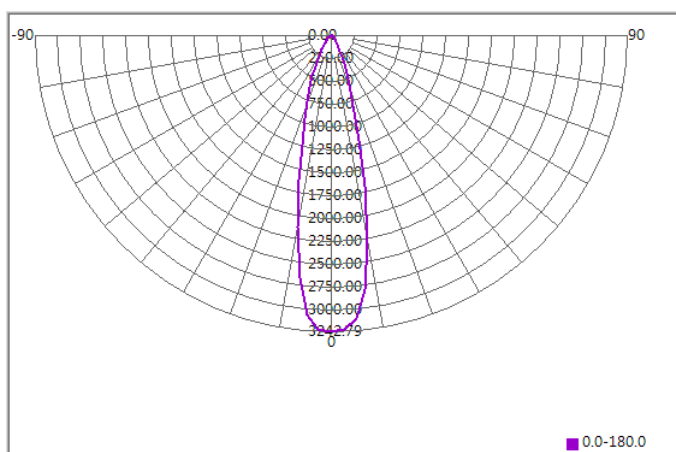




Optical Characteristics

Model Number	CKO-CC20-075026-0401		<p>"H" definition</p>
LED	CXB2540		
LES / LED Size	Φ 19 mm		
FWHM (D50)	25°		
Field Angle (D10)	55°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	4694 lm	Measured @ 38.0 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

