



Product Model Number

CKO-CC20-075026-0403

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

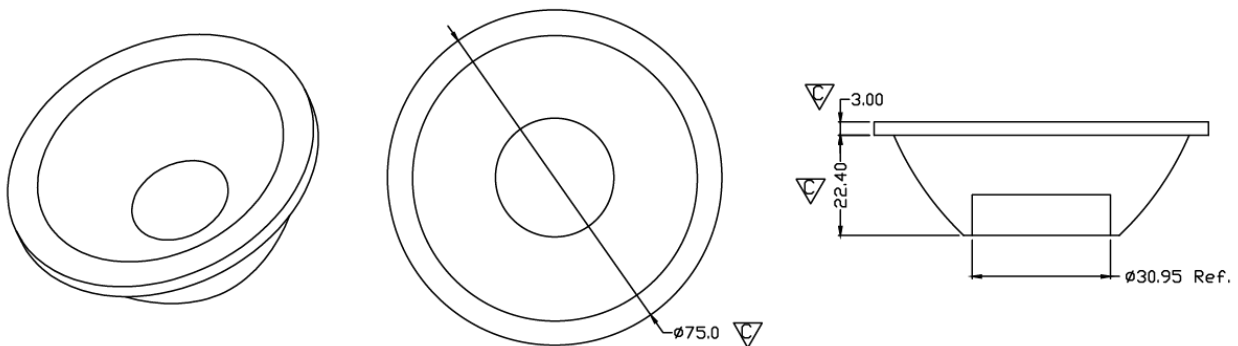


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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

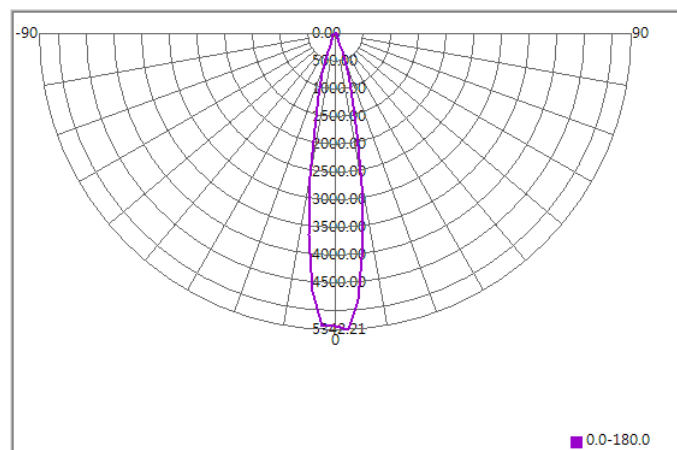
Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
CXB1520	Φ9	20°	40°
CMT1407	Φ9.8	21°	40°
CMT1412	Φ9.8	19°	39°
CXA1816	Φ12	20°	44°
CXB1816	Φ12	21°	45°
CXA1820	Φ12	20°	45°
CXB1820	Φ12	20°	43°
CMA1825	Φ12	21°	44°
CXA1830	Φ14	22°	47°
CXB1830	Φ14	23°	48°
CMA1840	Φ14	23°	49°
CMT1922	Φ14.5	22°	47°
CMT1925	Φ14.5	23°	49°
CMT1930	Φ14.5	25°	49°
CMT1945	Φ14.5	24°	49°
CXA2520	Φ19	27°	57°
CXA2530	Φ19	28°	58°
CXB2530	Φ19	28°	59°
CXA2540	Φ19	28°	58°
CXB2540	Φ19	29°	60°



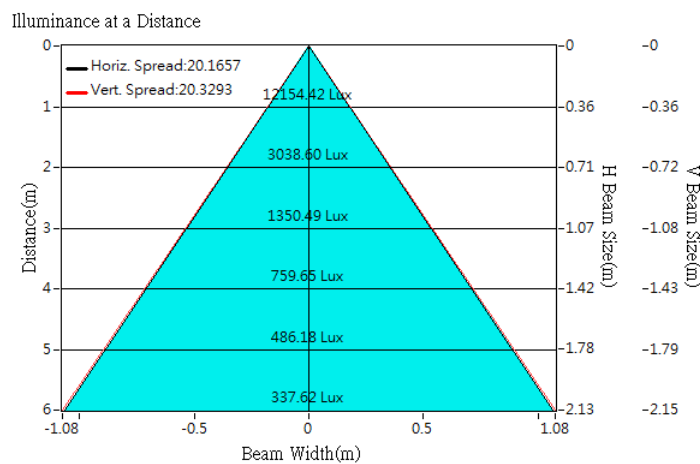
Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p>
LED	CXB1520		
LES / LED Size	Φ 9 mm		
FWHM (D50)	20°		
Field Angle (D10)	40°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2303 lm	Measured @ 16.6 W	
Material	PC / UL94V2		

cd/klm

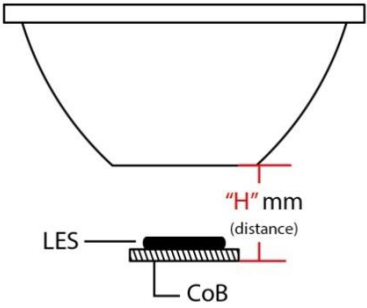


Illuminance At Distances

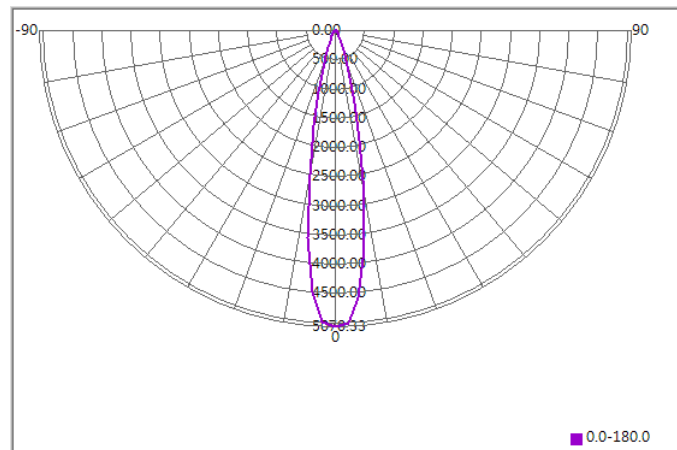




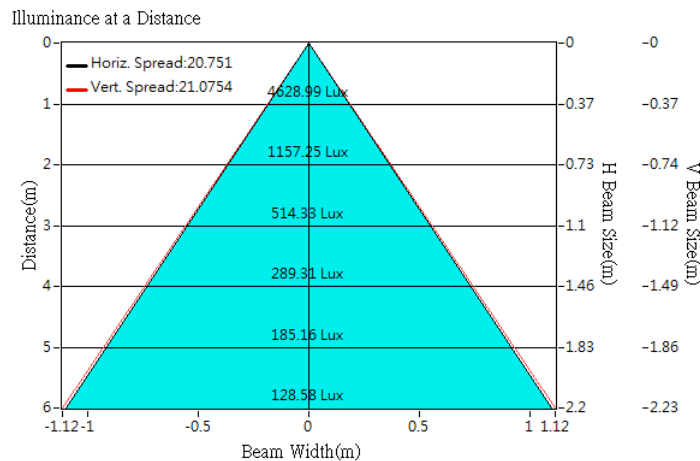
Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p> 
LED	CMT1407		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	21°		
Field Angle (D10)	40°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	912 lm	Measured @ 7 W	
Material	PC / UL94V2		

cd/klm

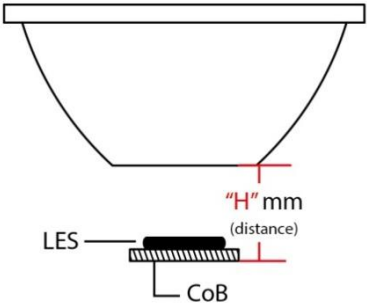


Illuminance At Distances

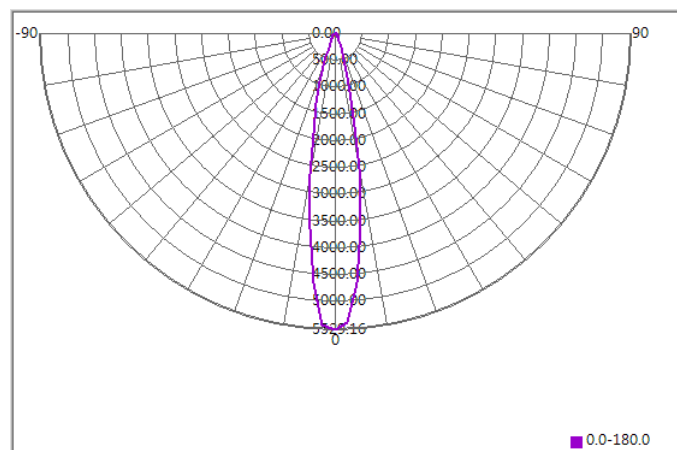




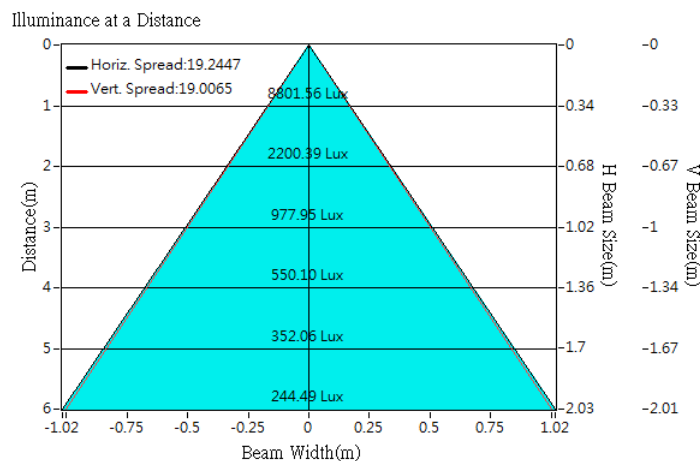
Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p> 
LED	CMT1412		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	19°		
Field Angle (D10)	39°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1591 lm	Measured @ 12.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

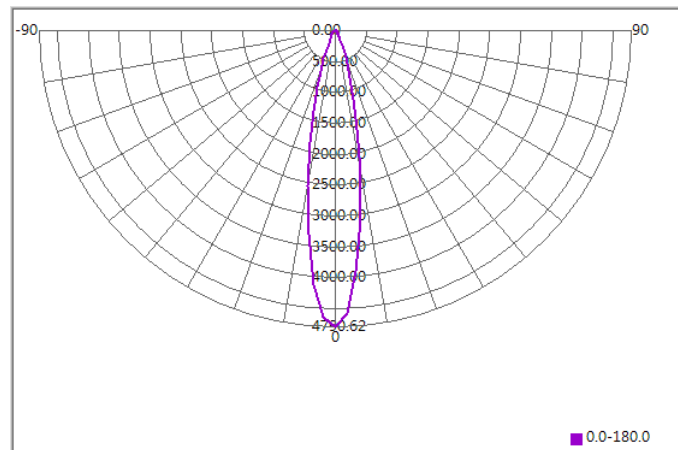




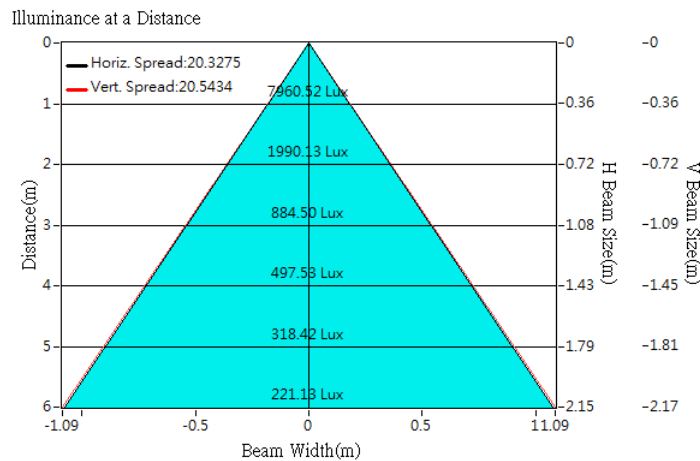
Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p> <p>LES CoB</p>
LED	CXA1816		
LES / LED Size	Φ 12 mm		
FWHM (D50)	20°		
Field Angle (D10)	44°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1661 lm	Measured @ 16.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

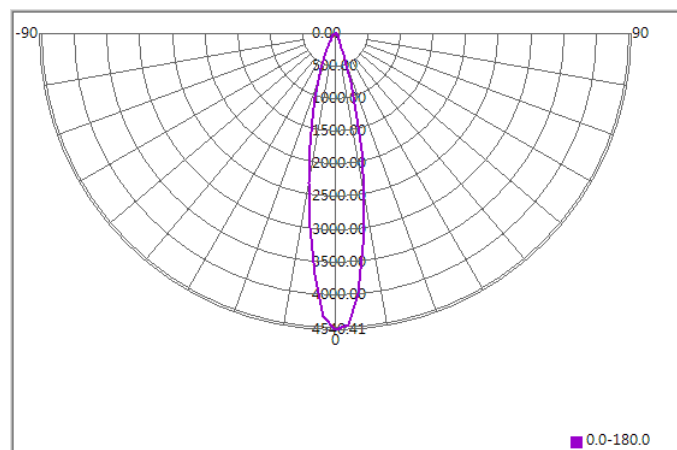




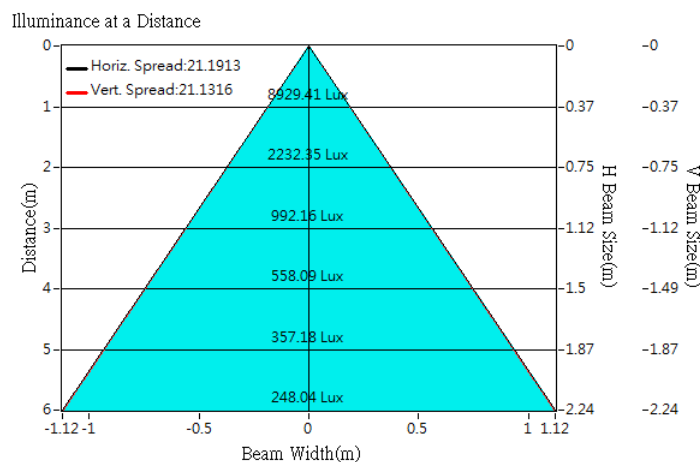
Optical Characteristics

Model Number	CKO-CC20-075026-0403	<p>"H" definition</p> <p>LES CoB</p>
LED	CXB1816	
LES / LED Size	Φ 12 mm	
FWHM (D50)	21°	
Field Angle (D10)	45°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	1966 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

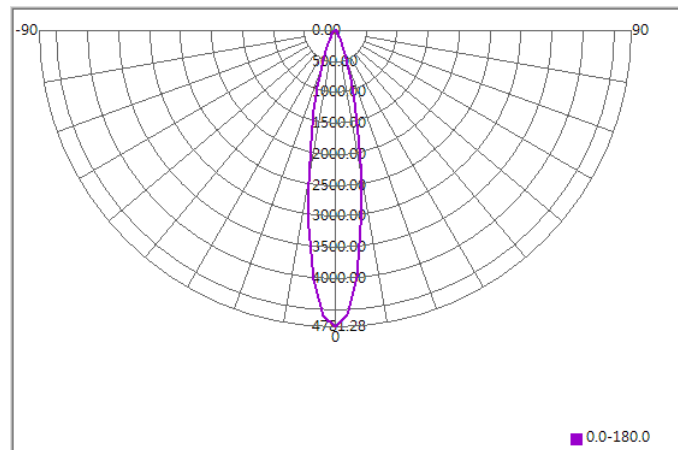




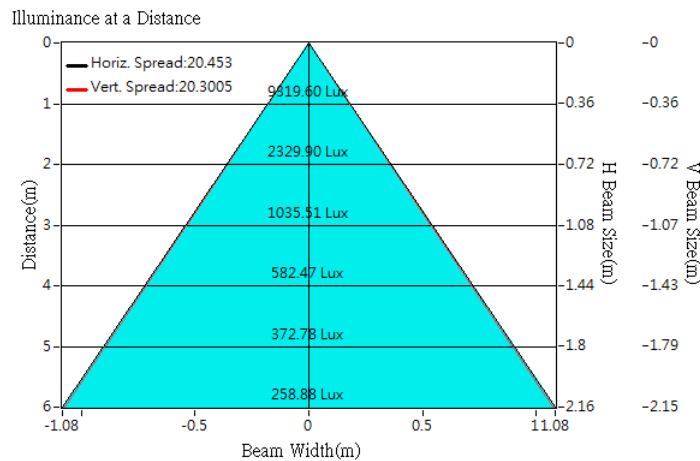
Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p>
LED	CXA1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	20°		
Field Angle (D10)	45°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1949 lm	Measured @ 19.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

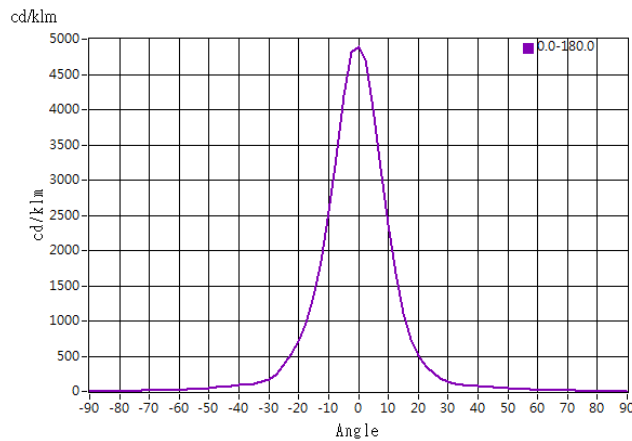




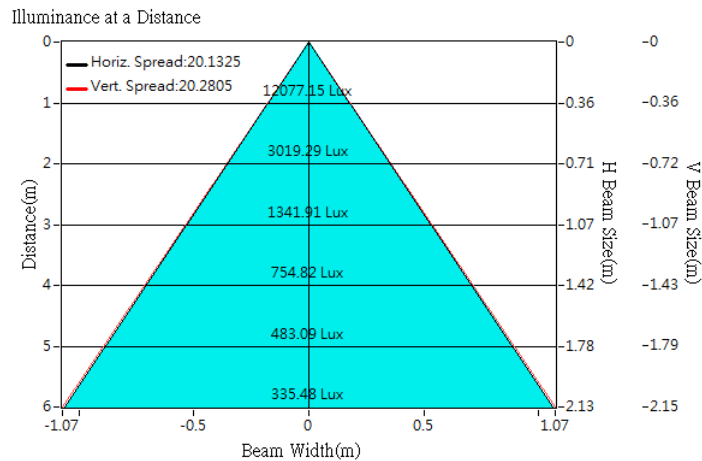
Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p>
LED	CXB1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	20°		
Field Angle (D10)	43°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2467 lm	Measured @ 19.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

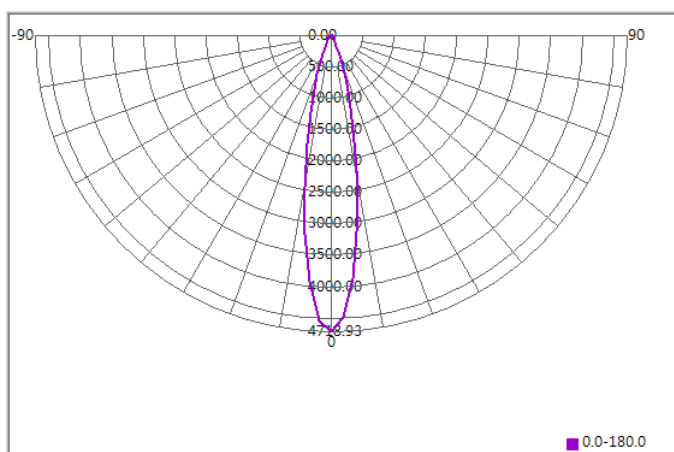




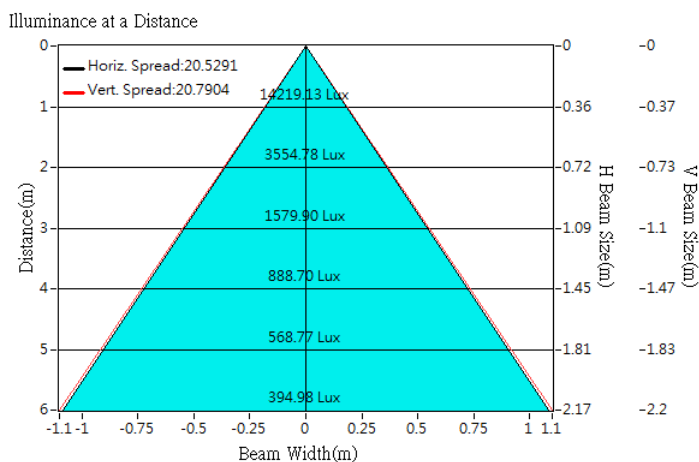
Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p> <p>LES CoB</p>
LED	CMA1825		
LES / LED Size	Φ 12 mm		
FWHM (D50)	21°		
Field Angle (D10)	44°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3013 lm	Measured @ 25 W	
Material	PC / UL94V2		

cd/klm

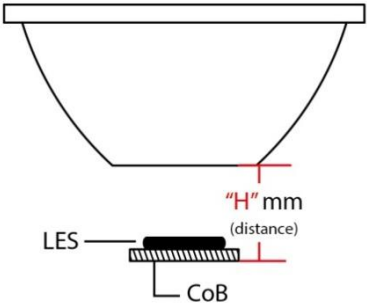


Illuminance At Distances

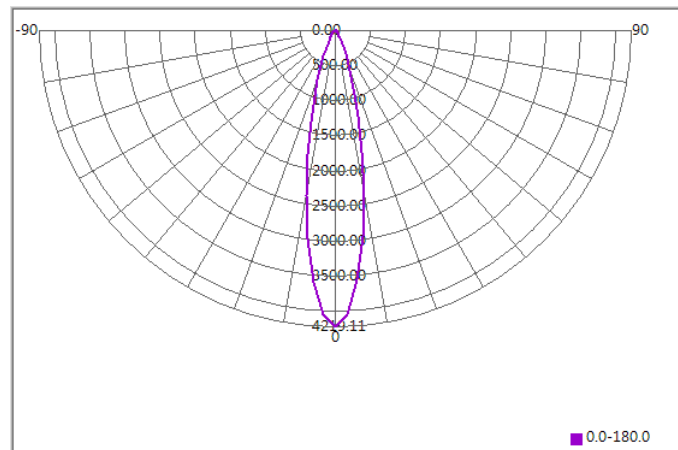




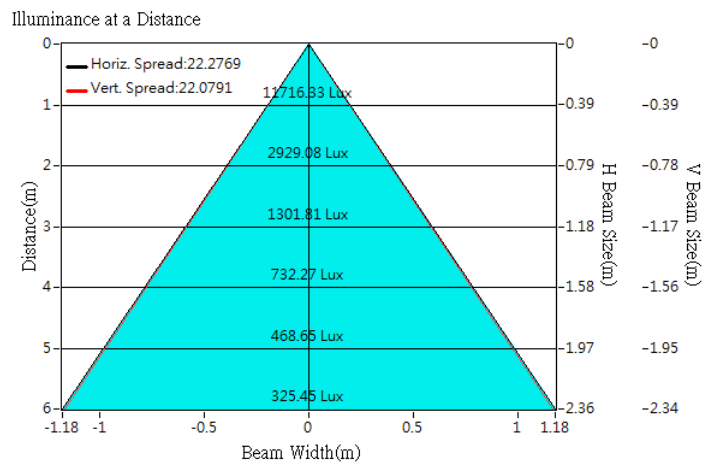
Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p> 
LED	CXA1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	22°		
Field Angle (D10)	47°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2776 lm	Measured @ 30 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

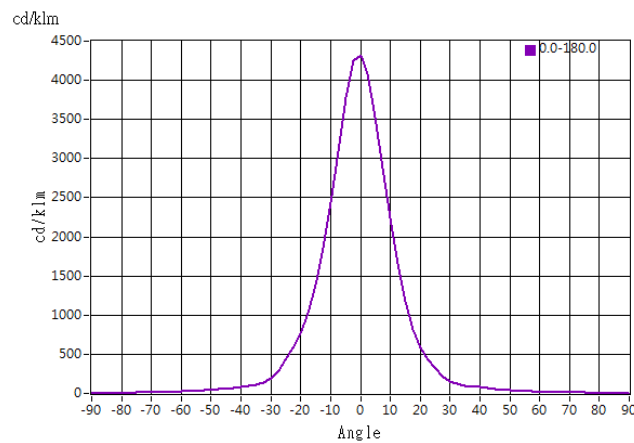




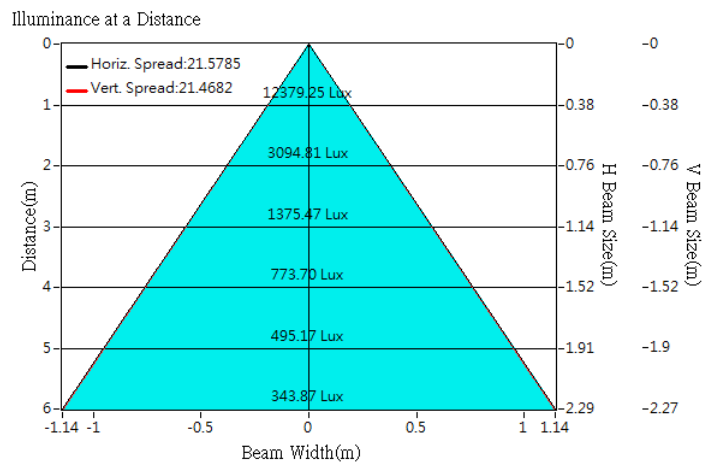
Optical Characteristics

Model Number	CKO-CC20-075026-0403	<p>"H" definition</p>
LED	CXB1830	
LES / LED Size	Φ 14 mm	
FWHM (D50)	22°	
Field Angle (D10)	47°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	2866 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

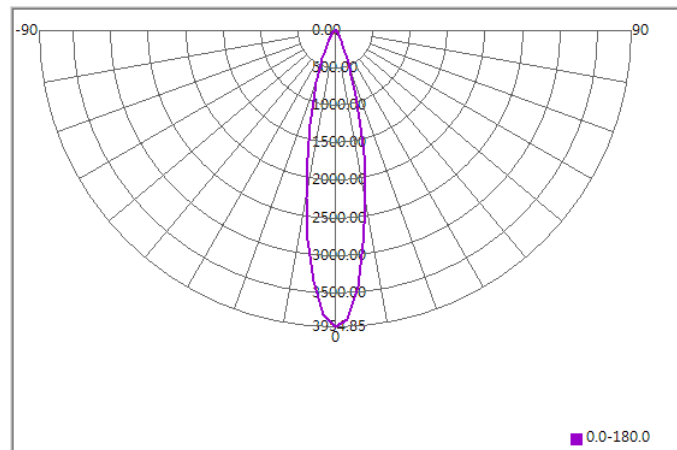




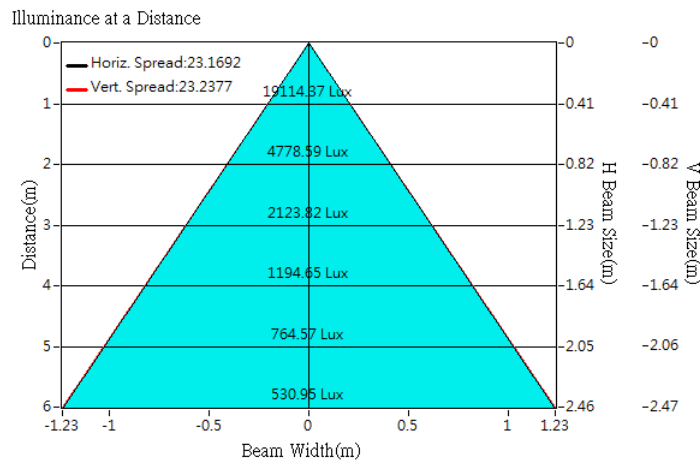
Optical Characteristics

Model Number	CKO-CC20-075026-0403	<p>"H" definition</p> <p>LES CoB</p>
LED	CMA1840	
LES / LED Size	Φ 14 mm	
FWHM (D50)	23°	
Field Angle (D10)	49°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	4833 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

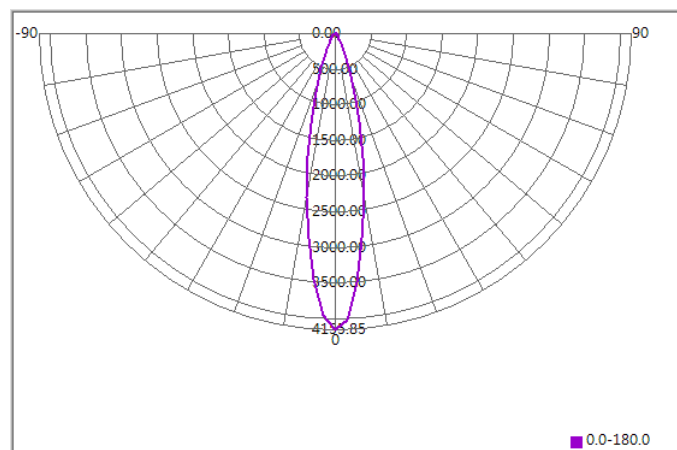




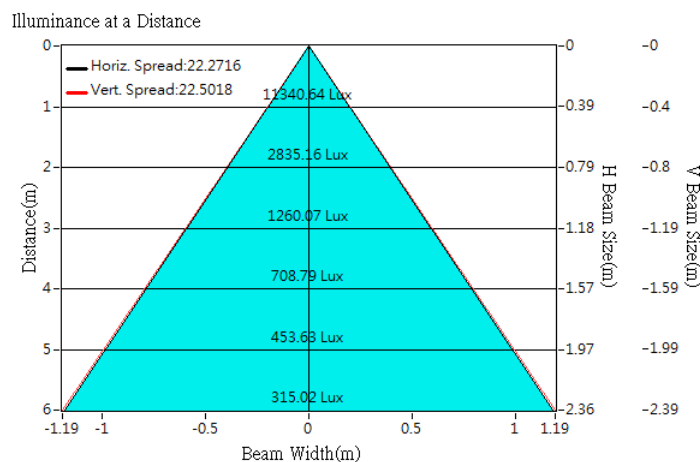
Optical Characteristics

Model Number	CKO-CC20-075026-0403	<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1922	
LES / LED Size	Φ 14.5 mm	
FWHM (D50)	22°	
Field Angle (D10)	47°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	2728 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

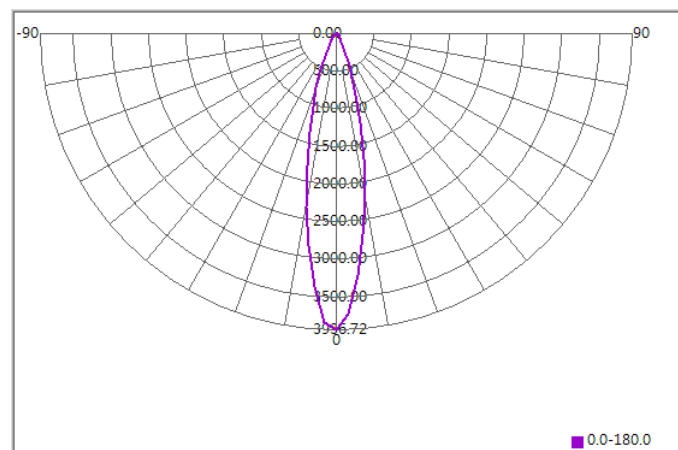




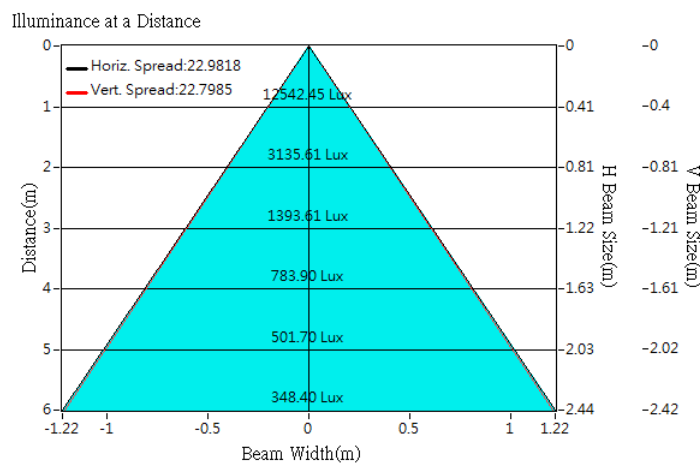
Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1925		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	23°		
Field Angle (D10)	49°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3186 lm	Measured @ 25 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

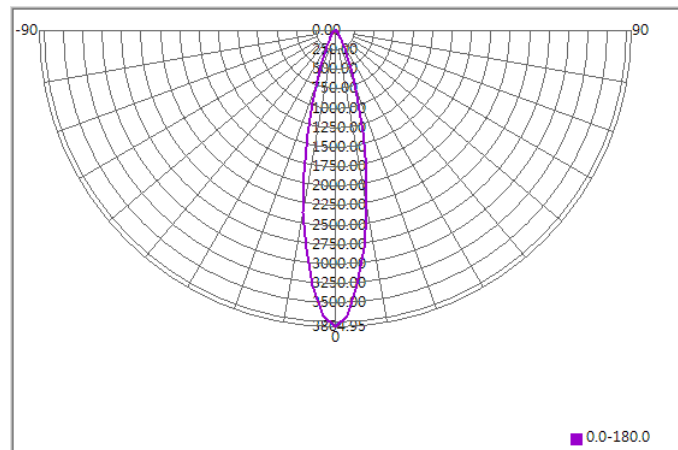




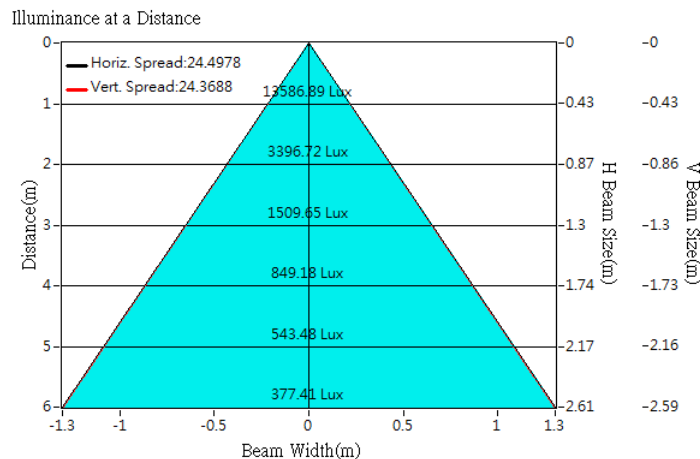
Optical Characteristics

Model Number	CKO-CC20-075026-0403	<p>"H" definition</p>	
LED	CMT1930		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	25°		
Field Angle (D10)	49°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3570 lm		Measured @ 27.6 W
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

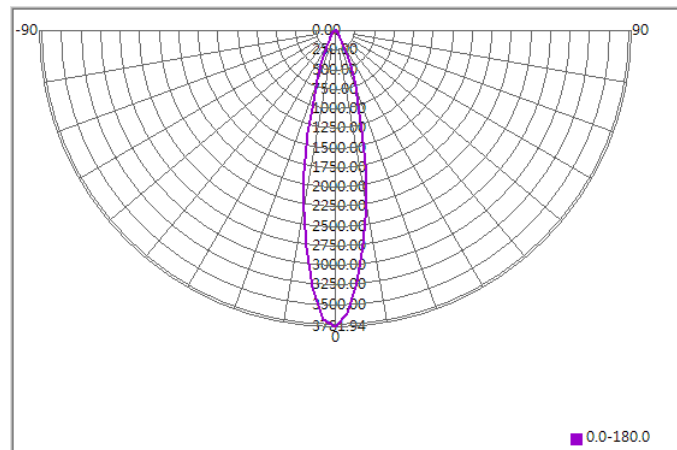




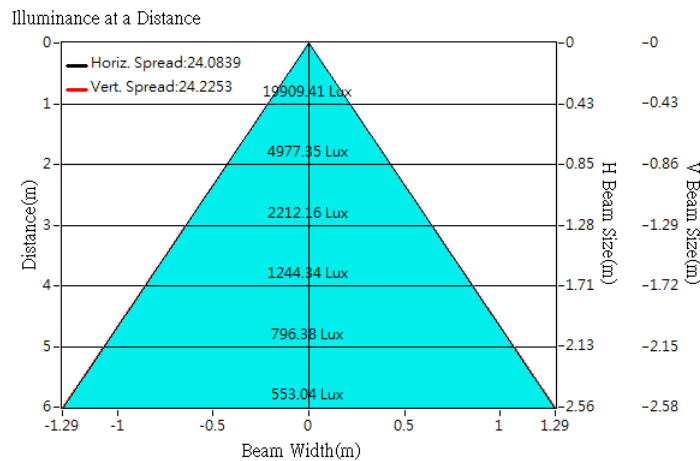
Optical Characteristics

Model Number	CKO-CC20-075026-0403	<p>"H" definition</p>	
LED	CMT1945		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	24°		
Field Angle (D10)	49°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	5264 lm		Measured @ 42.4 W
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

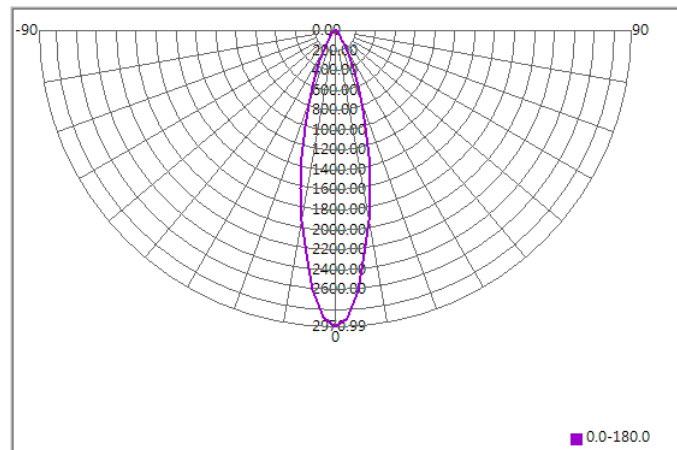




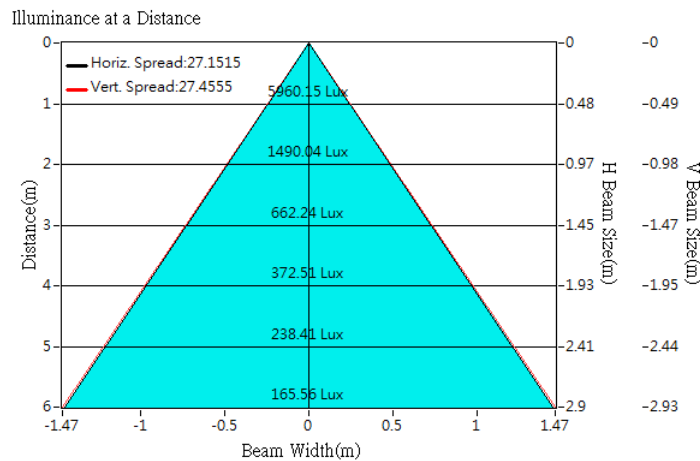
Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p>
LED	CXA2520		
LES / LED Size	Φ 19 mm		
FWHM (D50)	27°		
Field Angle (D10)	57°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2006 lm	Measured @ 20.3 W	
Material	PC / UL94V2		

cd/klm

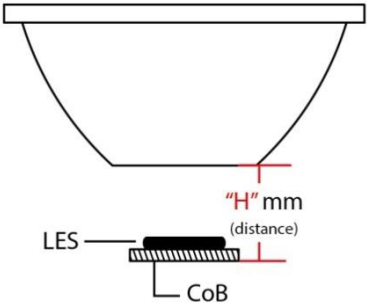


Illuminance At Distances

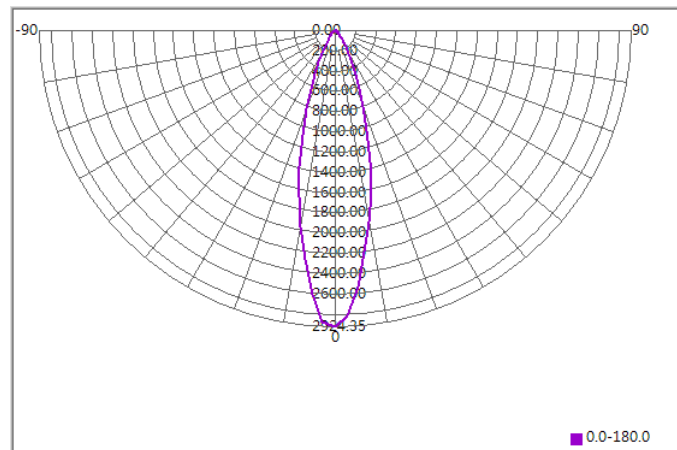




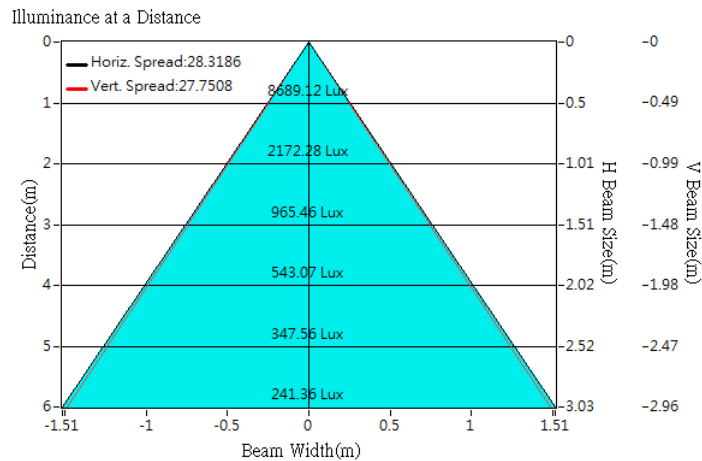
Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p> 
LED	CXA2530		
LES / LED Size	Φ 19 mm		
FWHM (D50)	28°		
Field Angle (D10)	58°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2971 lm	Measured @ 28.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

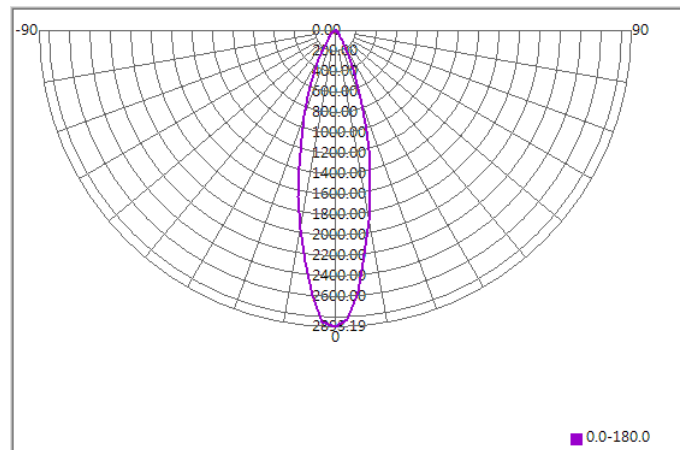




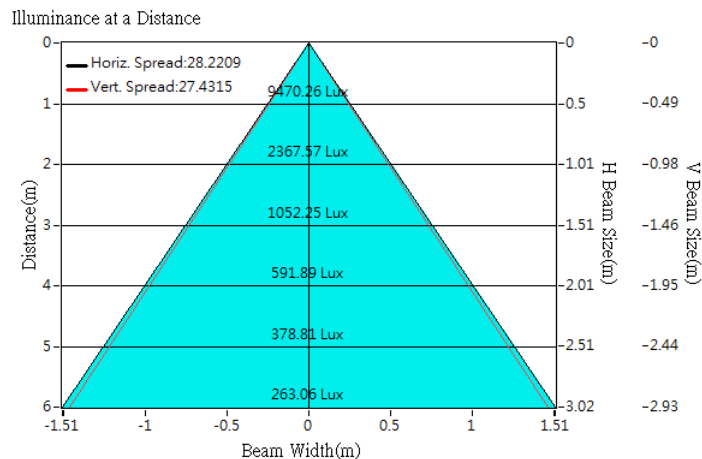
Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p>
LED	CXB2530		
LES / LED Size	Φ 19 mm		
FWHM (D50)	28°		
Field Angle (D10)	59°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3273 lm	Measured @ 27.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

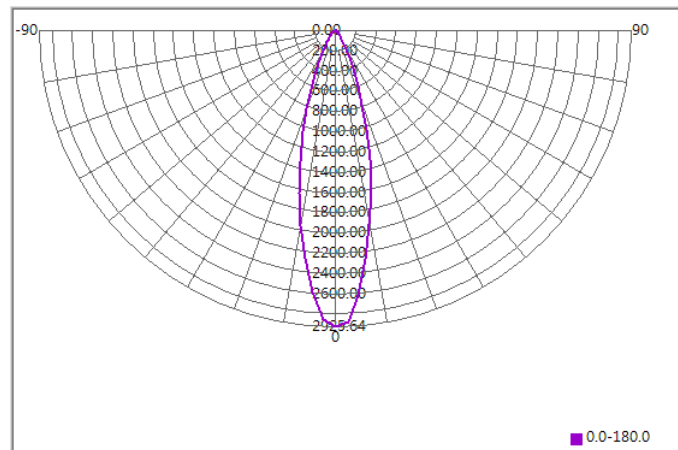




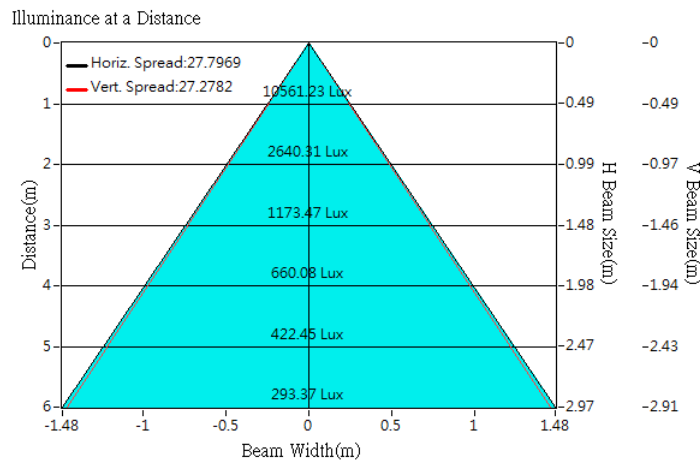
Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p> <p>LES CoB</p>
LED	CXA2540		
LES / LED Size	Φ 19 mm		
FWHM (D50)	28°		
Field Angle (D10)	58°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3609 lm	Measured @ 39.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

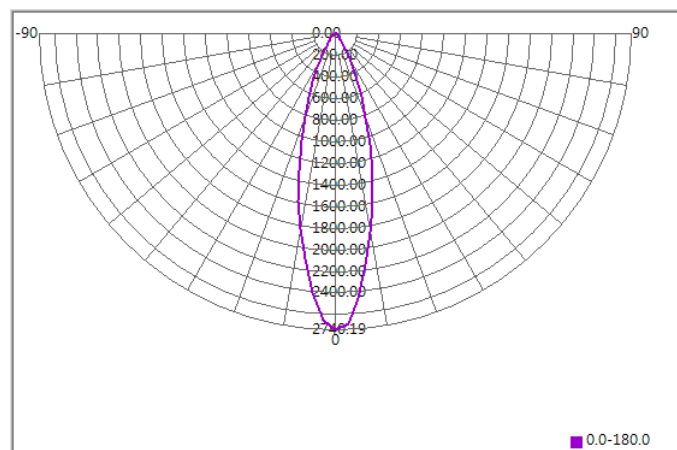




Optical Characteristics

Model Number	CKO-CC20-075026-0403		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB2540		
LES / LED Size	Φ 19 mm		
FWHM (D50)	29°		
Field Angle (D10)	60°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	4744 lm	Measured @ 38 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

