



Product Model Number

CKO-SA20-075026-0407

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

↑
(A)

↑
(B)

↑
(C)

↑
(D)

↑
(E)

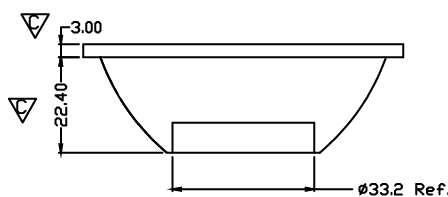
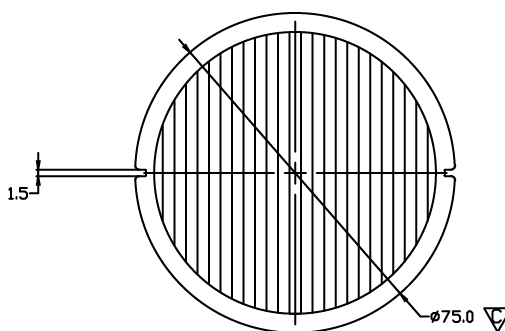
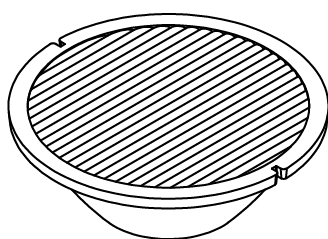


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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

Chun Kuang Optics Corp.

2022/6/24

5F.,No. 122-8, Jhonghua Rd, Hukou Township, Hsinchu County 303 , Taiwan
TEL : +886-3-6960168 / FAX : +886-3-6960228 / E-mail: sales@ckoptics.com



✓ **Optical Characteristics – Angle Performances**

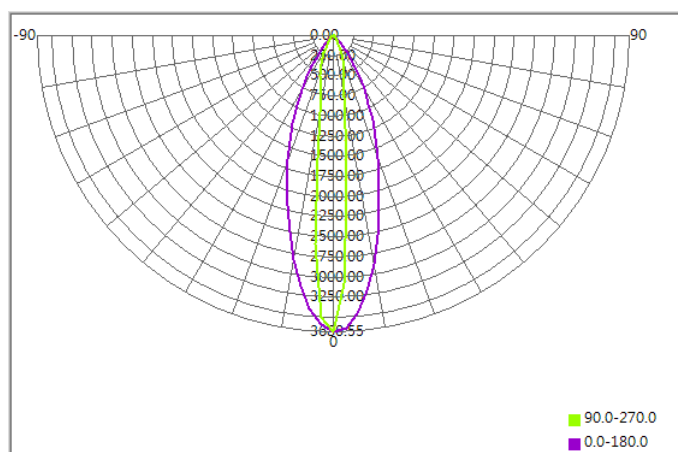
Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
CXB1520	Φ9	12°x36°	44°x74°
CMT1407	Φ9.8	12°x36°	44°x74°
CMT1412	Φ9.8	12°x39°	45°x77°
CXA1816	Φ12	15°x40°	50°x78°
CXB1816	Φ12	15°x40°	50°x78°
CXA1820	Φ12	15°x40°	51°x78°
CXB1820	Φ12	15°x40°	50°x78°
CMA1825	Φ12	15°x36°	47°x73°
CXA1830	Φ14	16°x41°	51°x79°
CXB1830	Φ14	17°x40°	53°x79°
CMT1922	Φ14.5	17°x40°	51°x79°
CMT1925	Φ14.5	18°x41°	52°x80°
CXA2520	Φ19	22°x41°	58°x81°
CXA2530	Φ19	23°x41°	58°x81°
CXB2540	Φ19	24°x42°	60°x83°



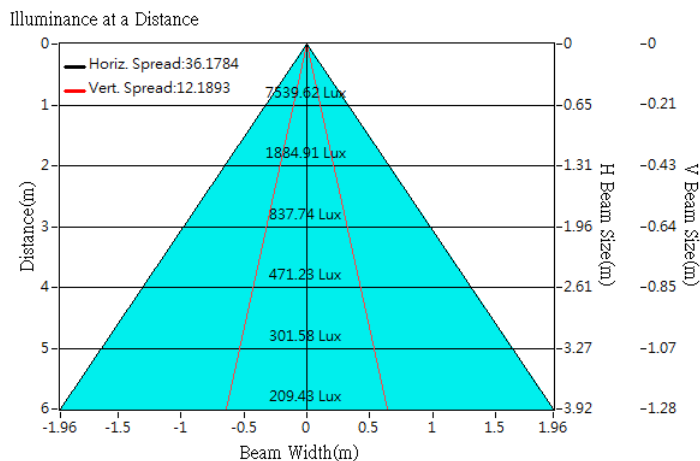
Optical Characteristics

Model Number	CKO-SA20-075026-0407		“H” definition 
LED	CXB1520		
LES / LED Size	Φ 9 mm		
FWHM (D50)	12°x36°		
Field Angle (D10)	44°x74°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2048 lm	Measured @ 16.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

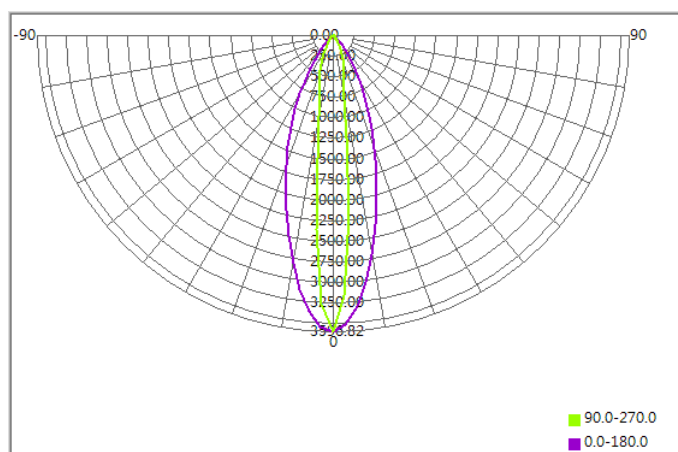




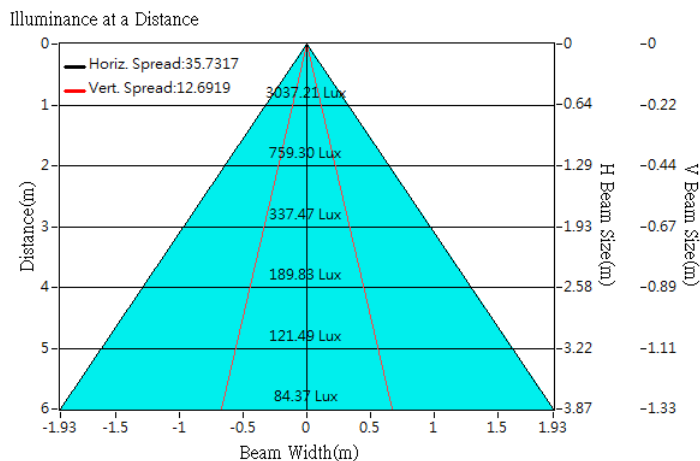
Optical Characteristics

Model Number	CKO-SA20-075026-0407		
LED	CMT1407		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	12°x36°		
Field Angle (D10)	44°x74°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	844 lm	Measured @ 7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distance

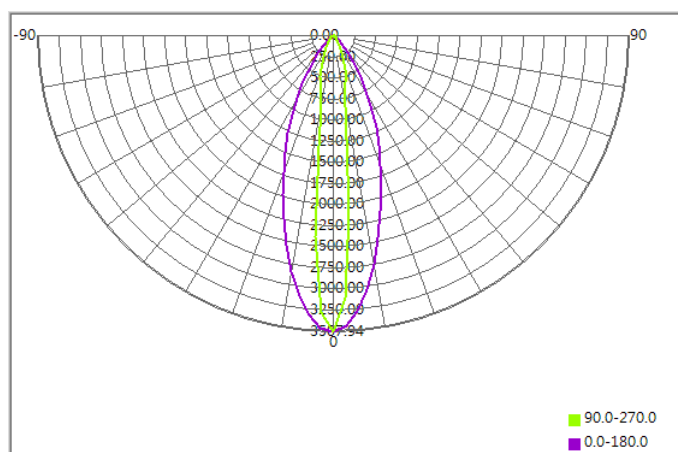




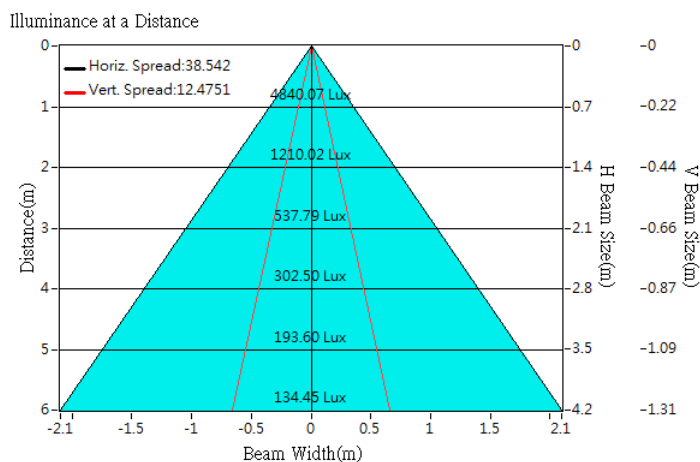
Optical Characteristics

Model Number	CKO-SA20-075026-0407		
LED	CMT1412		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	12°x36°		
Field Angle (D10)	44°x74°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1379 lm	Measured @ 12.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distance

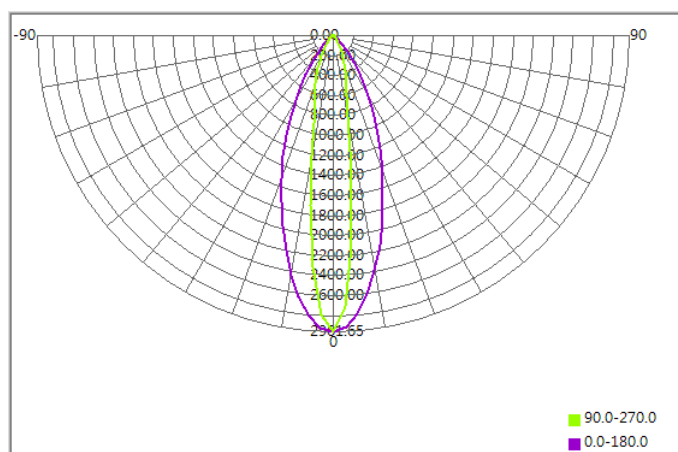




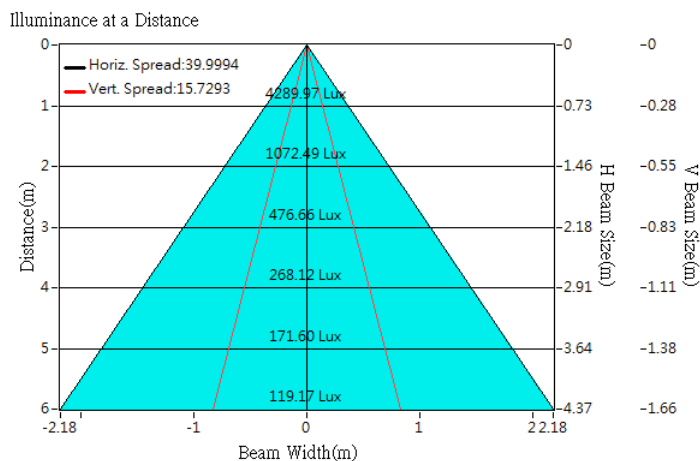
Optical Characteristics

Model Number	CKO-SA20-075026-0407		
LED	CXA1816		
LES / LED Size	Φ 12 mm		
FWHM (D50)	15°x40°		
Field Angle (D10)	50°x78°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1448 lm	Measured @ 17.2 W	
Material	PC / UL94V2		

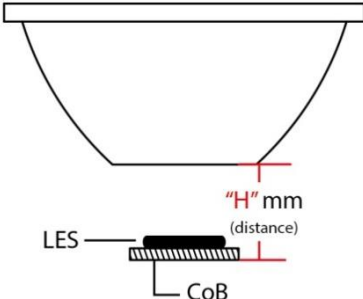
cd/klm



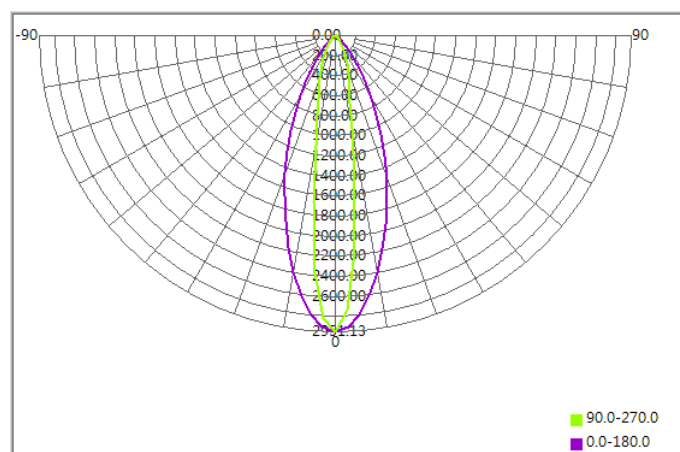
Illuminance At Distances



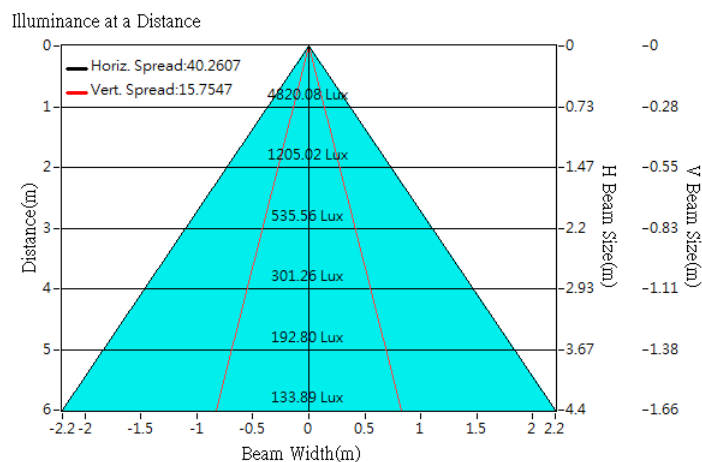
Optical Characteristics

Model Number	CKO-SA20-075026-0407		“H” definition 
LED	CXB1816		
LES / LED Size	Φ 12 mm		
FWHM (D50)	15°x40°		
Field Angle (D10)	50°x78°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1633 lm	Measured @ 15.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

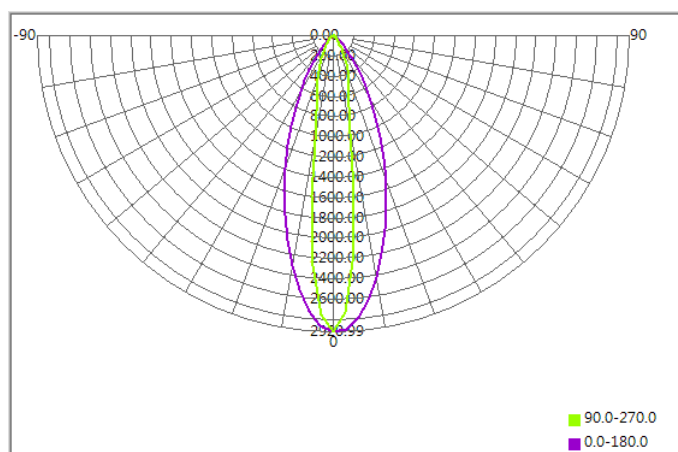




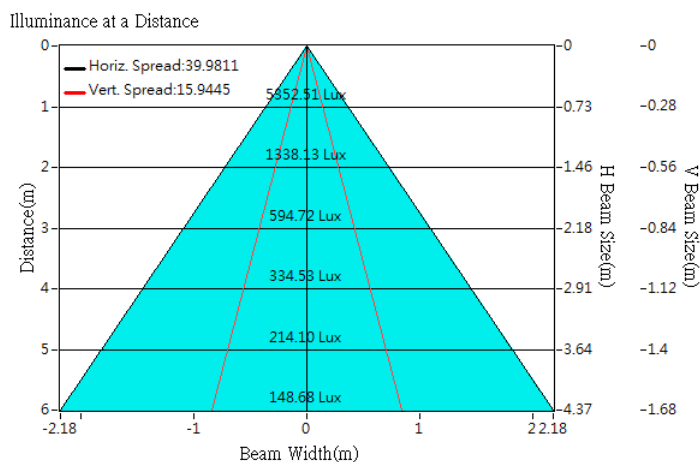
Optical Characteristics

Model Number	CKO-SA20-075026-0407		
LED	CXA1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	15°x40°		
Field Angle (D10)	51°x78°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1832 lm	Measured @ 20.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

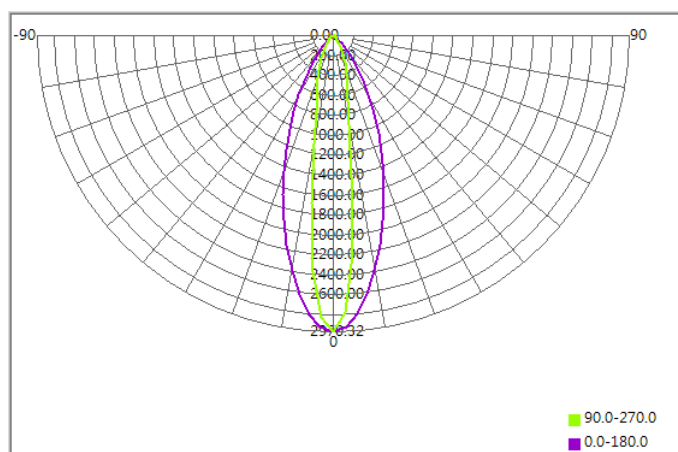




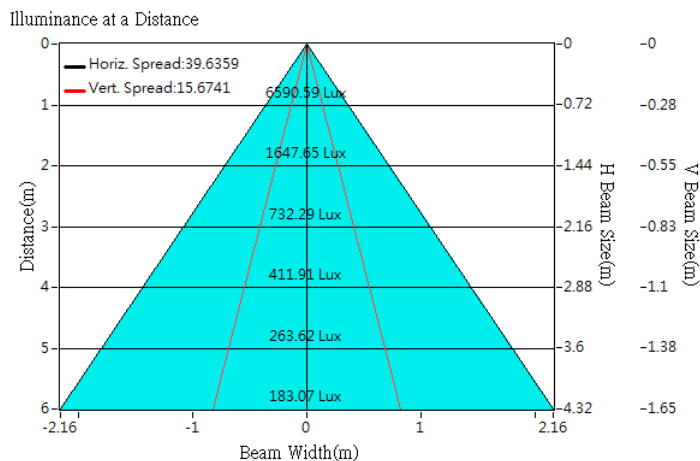
Optical Characteristics

Model Number	CKO-SA20-075026-0407		
LED	CXB1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	15°x40°		
Field Angle (D10)	50°x78°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2218 lm	Measured @ 19.5 W	
Material	PC / UL94V2		

cd/klm

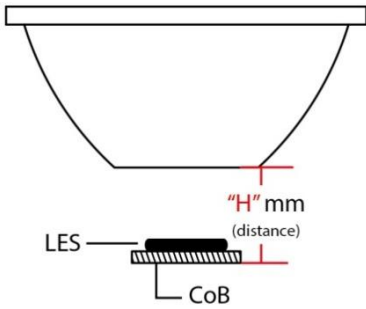


Illuminance At Distances

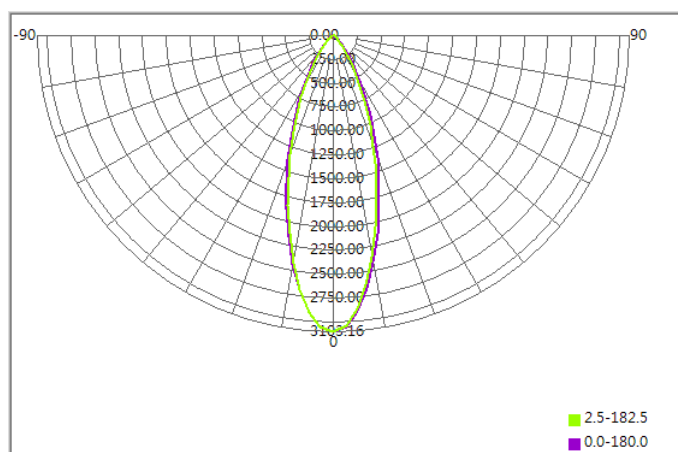




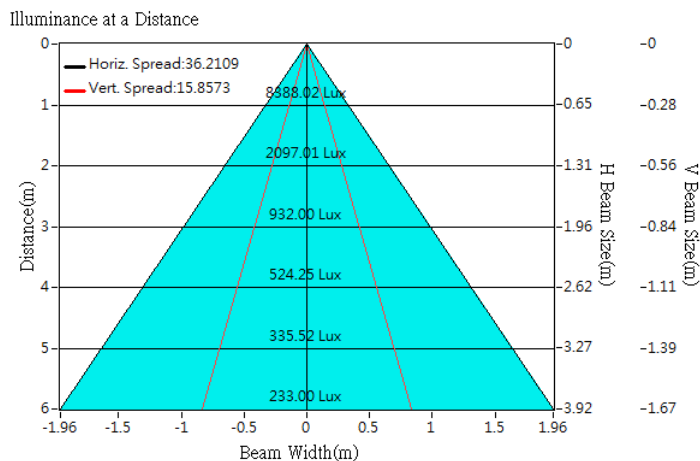
Optical Characteristics

Model Number	CKO-SA20-075026-0407		
LED	CMA1825		
LES / LED Size	Φ 12 mm		
FWHM (D50)	15°x36°		
Field Angle (D10)	47°x73°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2703 lm	Measured @ 25.9 W	
Material	PC / UL94V2		

cd/klm

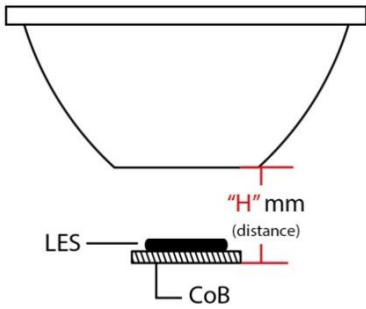


Illuminance At Distances

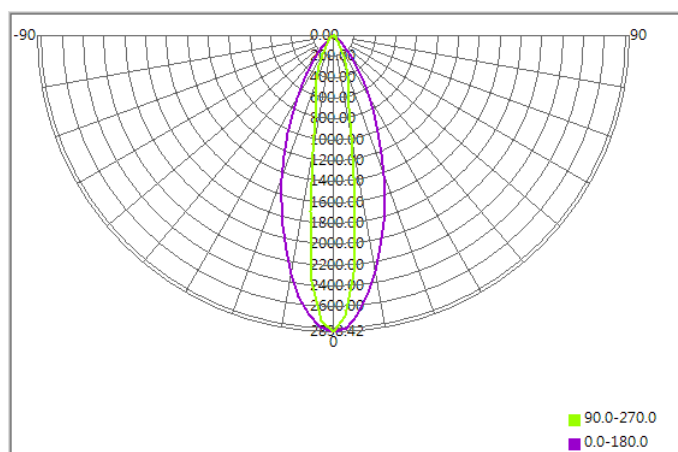




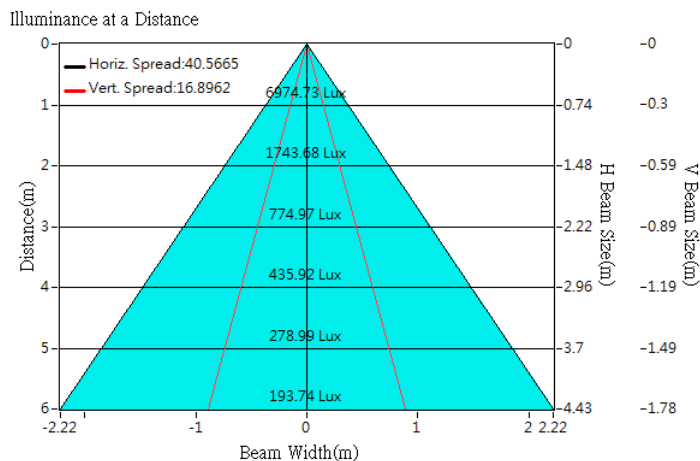
Optical Characteristics

Model Number	CKO-SA20-075026-0407		
LED	CXA1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	16°x41°		
Field Angle (D10)	51°x79°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2457 lm	Measured @ 30 W	
Material	PC / UL94V2		

cd/klm

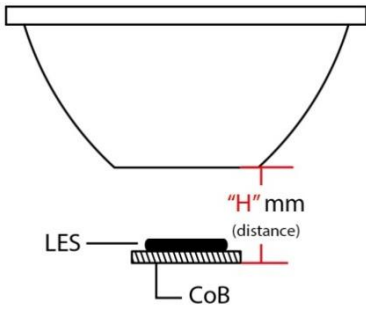


Illuminance At Distances

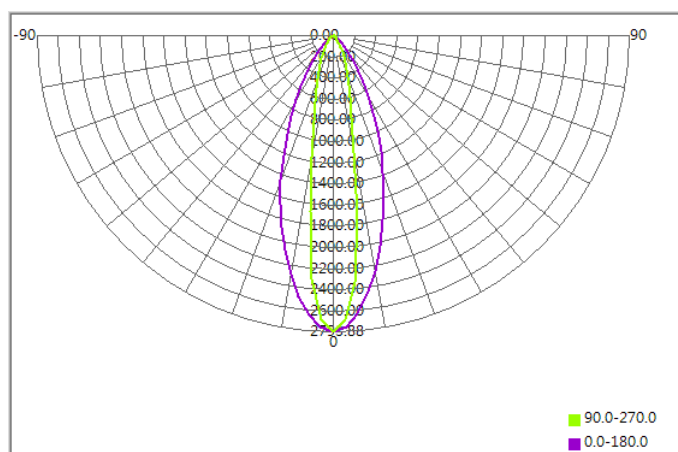




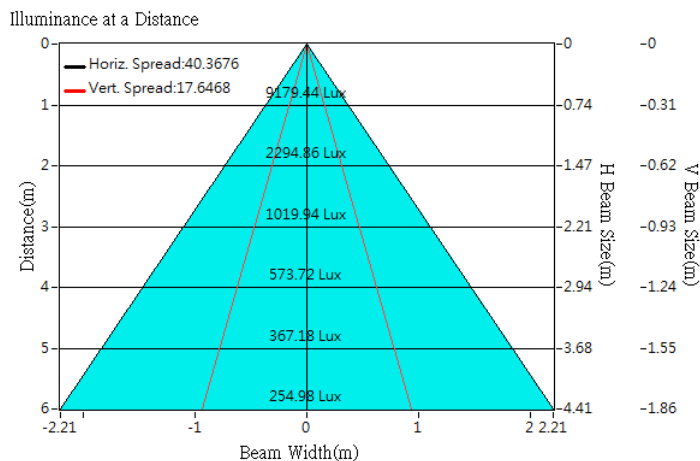
Optical Characteristics

Model Number	CKO-SA20-075026-0407		
LED	CXB1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	17°x40°		
Field Angle (D10)	51°x79°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3285 lm	Measured @ 27.8 W	
Material	PC / UL94V2		

cd/klm

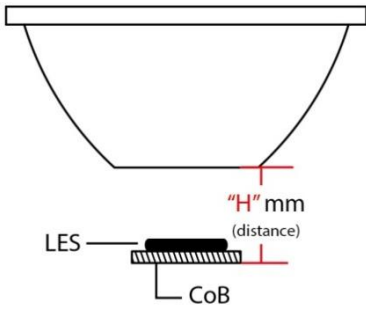


Illuminance At Distances

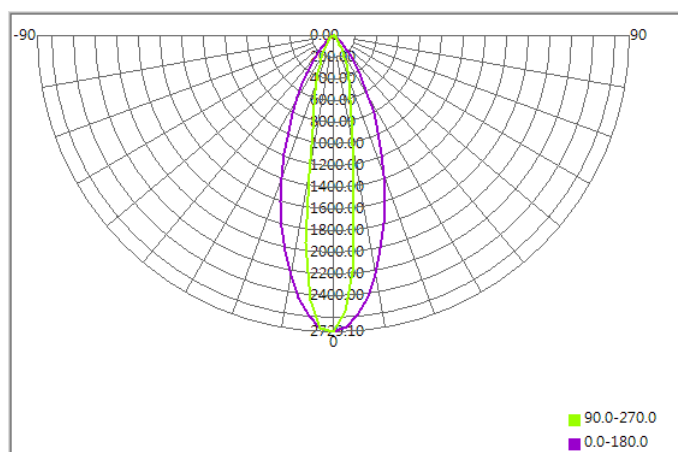




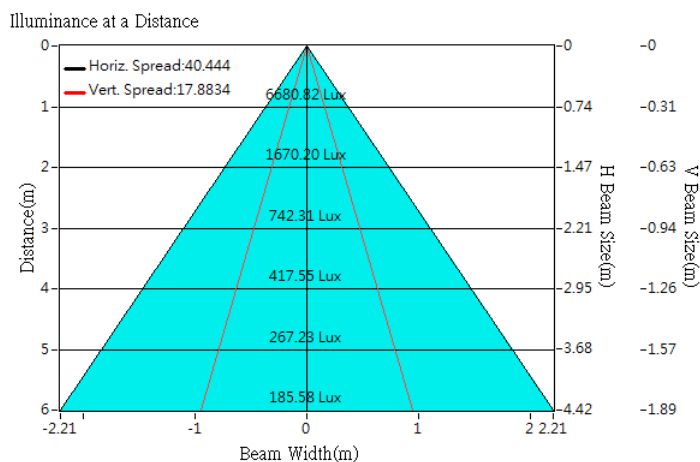
Optical Characteristics

Model Number	CKO-SA20-075026-0407		
LED	CMT1922		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	17°x40°		
Field Angle (D10)	51°x79°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2447 lm	Measured @ 21.1 W	
Material	PC / UL94V2		

cd/klm

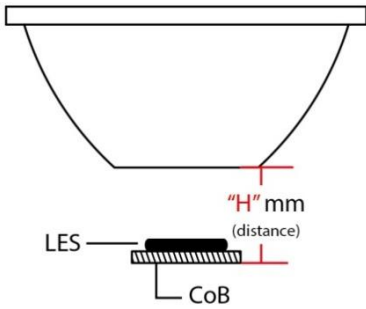


Illuminance At Distances

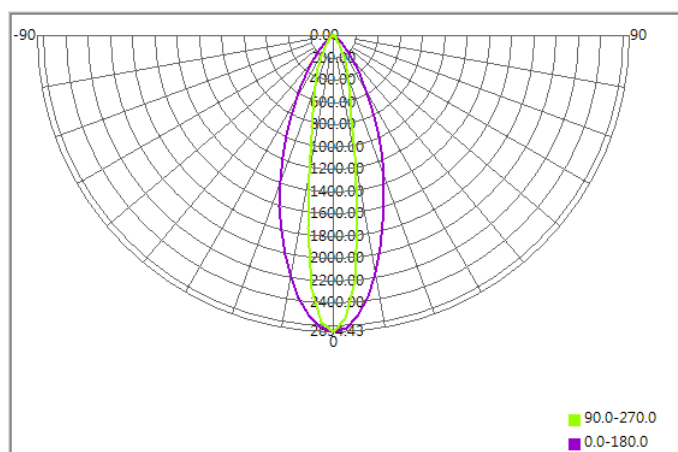




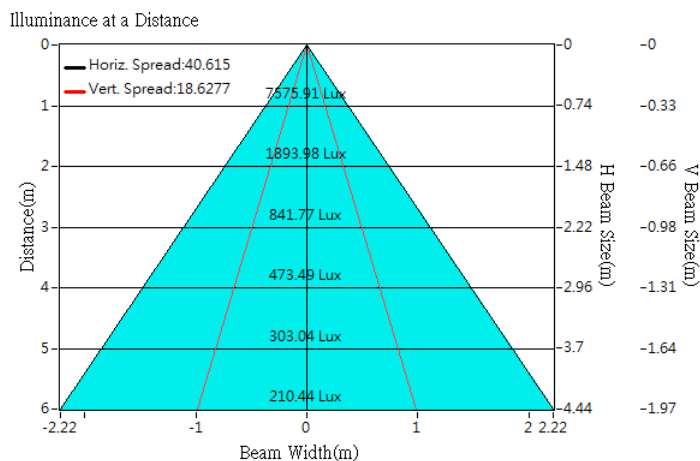
Optical Characteristics

Model Number	CKO-SA20-075026-0407		
LED	CMT1925		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	18°x41°		
Field Angle (D10)	52°x80°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2854 lm	Measured @ 24.3 W	
Material	PC / UL94V2		

cd/klm

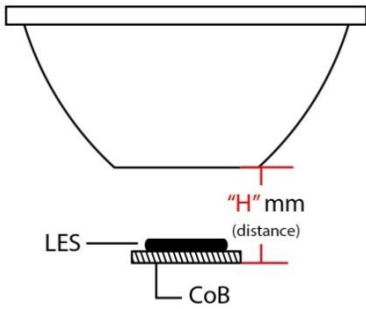


Illuminance At Distances

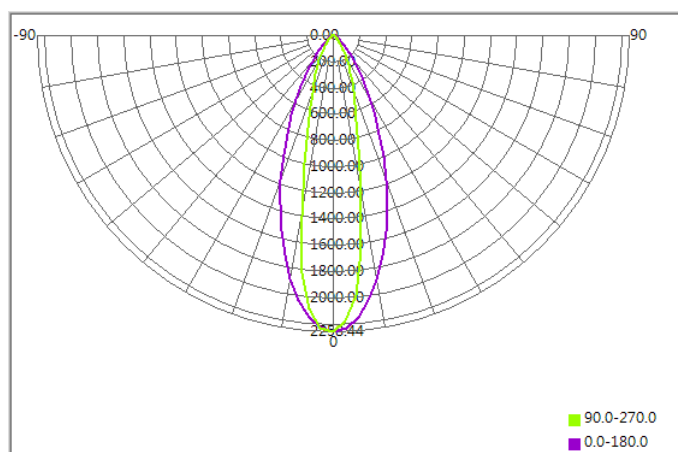




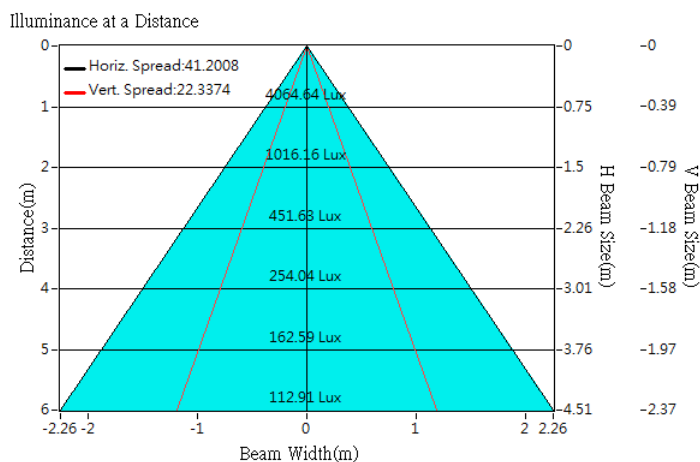
Optical Characteristics

Model Number	CKO-SA20-075026-0407		“H” definition 
LED	CXA2520		
LES / LED Size	Φ 19 mm		
FWHM (D50)	22°x41°		
Field Angle (D10)	58°x81°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1799 lm	Measured @ 20.3 W	
Material	PC / UL94V2		

cd/klm

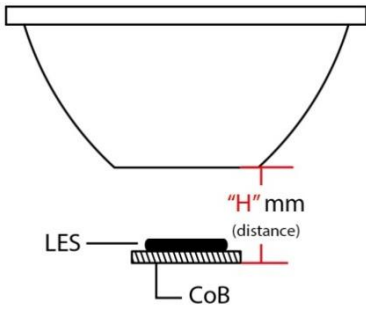


Illuminance At Distances

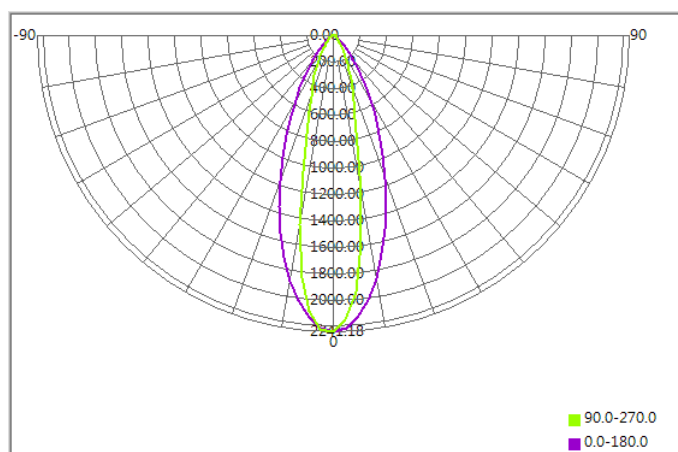




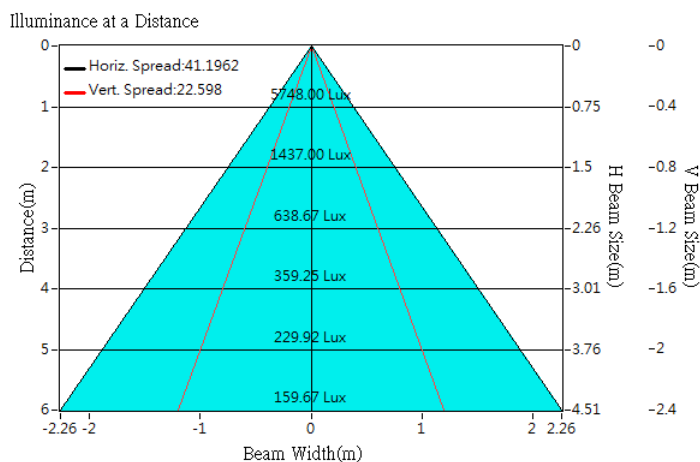
Optical Characteristics

Model Number	CKO-SA20-075026-0407		"H" definition
LED	CXA2530		
LES / LED Size	Φ 19 mm		
FWHM (D50)	23°x41°		
Field Angle (D10)	58°x81°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2564 lm	Measured @ 28.8 W	
Material	PC / UL94V2		

cd/klm

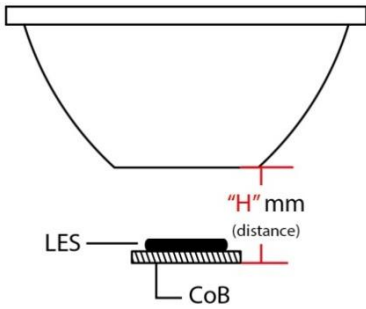


Illuminance At Distances

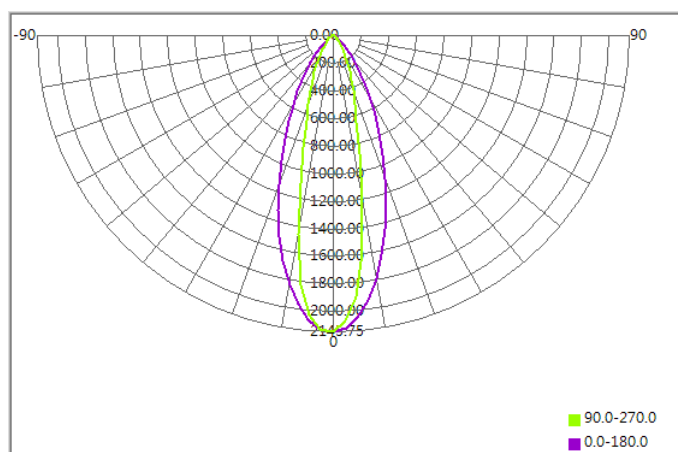




Optical Characteristics

Model Number	CKO-SA20-075026-0407		
LED	CXB2540		
LES / LED Size	Φ 19 mm		
FWHM (D50)	24°x42°		
Field Angle (D10)	60°x83°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	4094 lm	Measured @ 37.9 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

