



Product Model Number

CKO-SA20-075026-0411

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

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(A)

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(B)

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(C)

↑
(D)

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(E)

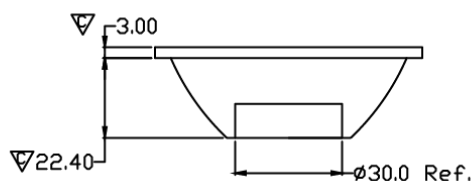
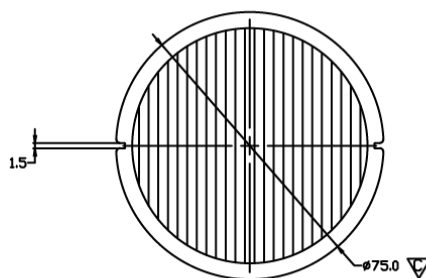
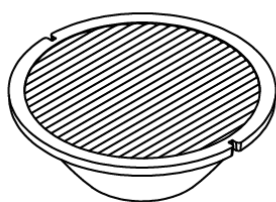


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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

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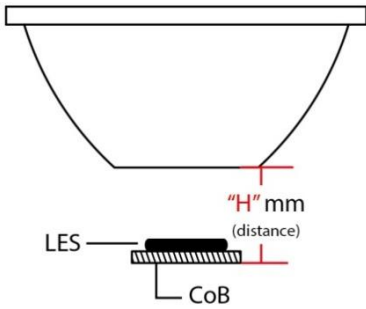


✓ Optical Characteristics – Angle Performances

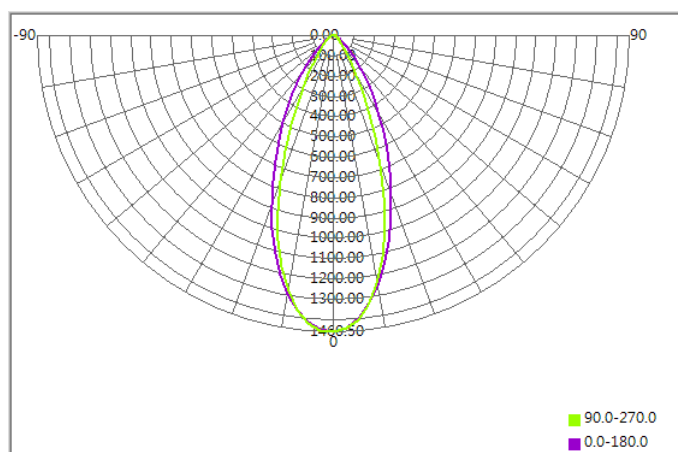
Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
CXB1520	Φ9	40°x46°	71°x90°
CMT1407	Φ9.8	40°x46°	71°x91°
CMT1412	Φ9.8	40°x46°	72°x90°
CXA1816	Φ12	41°x47°	73°x91°
CXB1816	Φ12	41°x47°	73°x91°
CXA1820	Φ12	41°x47°	74°x91°
CXB1820	Φ12	41°x47°	74°x92°
CMA1825	Φ12	40°x46°	72°x90°
CXB1830	Φ14	41°x47°	74°x91°
CMT1922	Φ14.5	41°x47°	75°x92°
CMT1925	Φ14.5	41°x46°	74°x91°



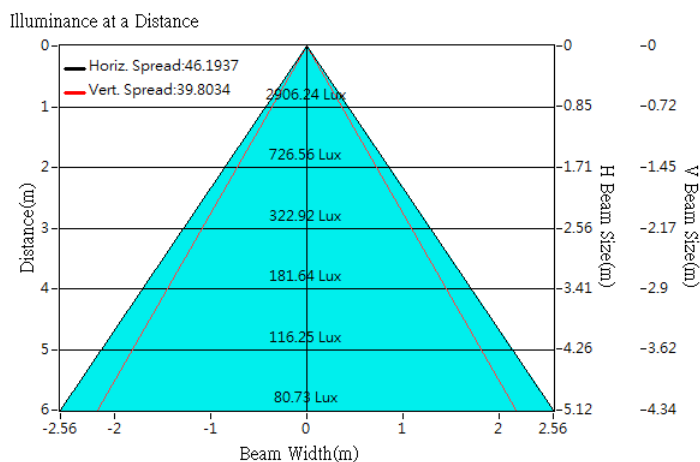
Optical Characteristics

Model Number	CKO-SA20-075026-0411		“H” definition 
LED	CXB1520		
LES / LED Size	Φ 9 mm		
FWHM (D50)	40°x46°		
Field Angle (D10)	71°x90°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1989 lm	Measured @ 16.8 W	
Material	PC / UL94V2		

cd/klm

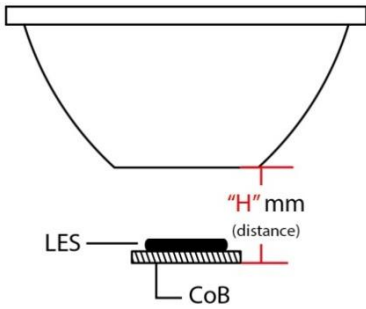


Illuminance At Distance

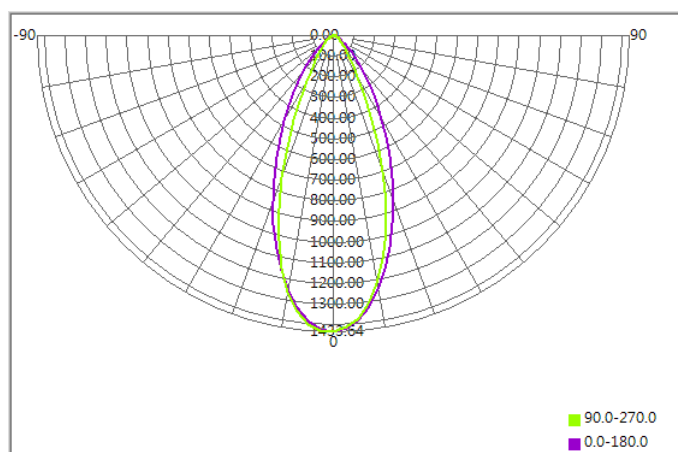




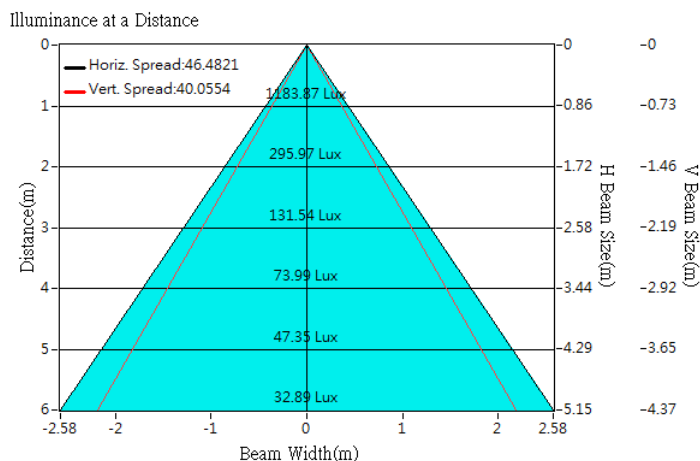
Optical Characteristics

Model Number	CKO-SA20-075026-0411		“H” definition 
LED	CMT1407		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	40°x46°		
Field Angle (D10)	71°x91°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	825 lm	Measured @ 7 W	
Material	PC / UL94V2		

cd/klm

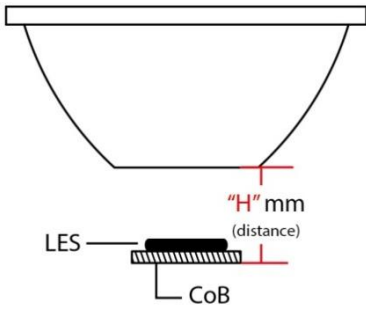


Illuminance At Distance

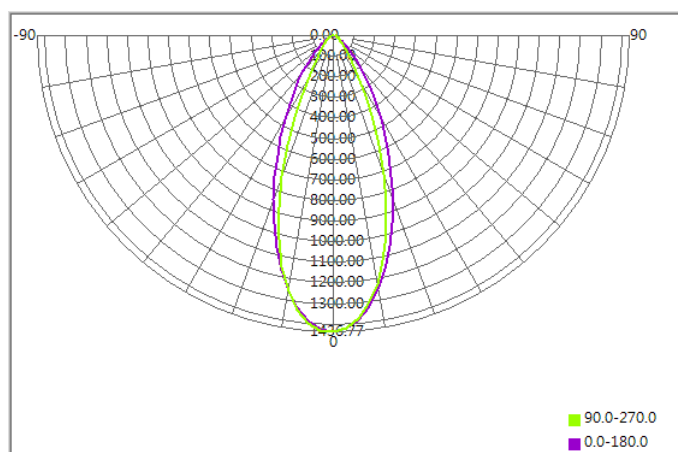




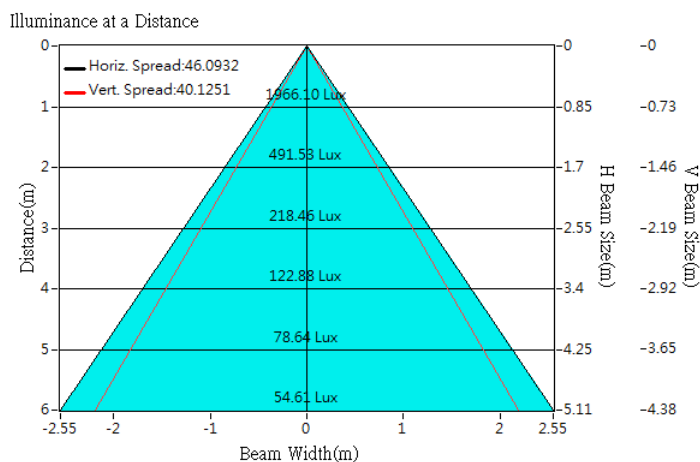
Optical Characteristics

Model Number	CKO-SA20-075026-0411		“H” definition 
LED	CMT1412		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	40°x46°		
Field Angle (D10)	72°x90°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1368 lm	Measured @ 12.9 W	
Material	PC / UL94V2		

cd/klm

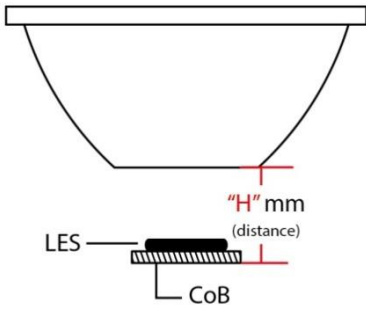


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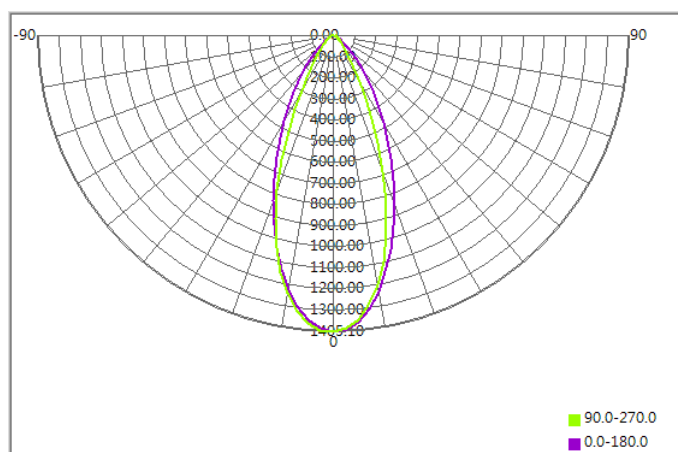




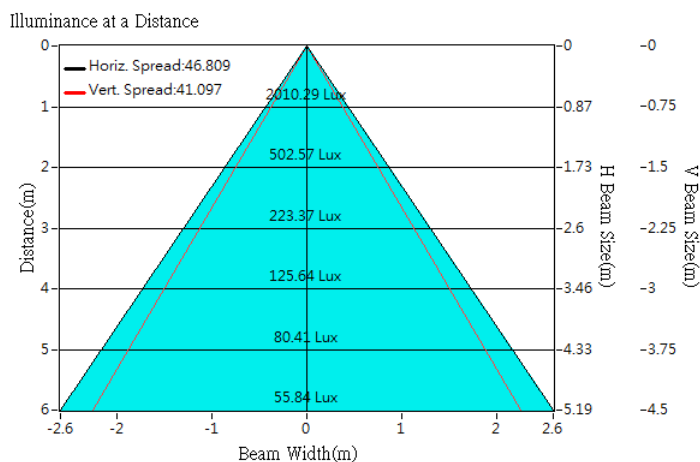
Optical Characteristics

Model Number	CKO-SA20-075026-0411		“H” definition 
LED	CXA1816		
LES / LED Size	Φ 12 mm		
FWHM (D50)	41°x47°		
Field Angle (D10)	73°x91°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1430 lm	Measured @ 17.4 W	
Material	PC / UL94V2		

cd/klm

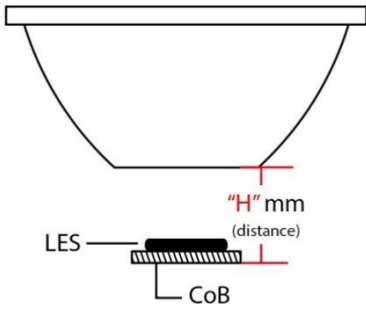


Illuminance At Distances

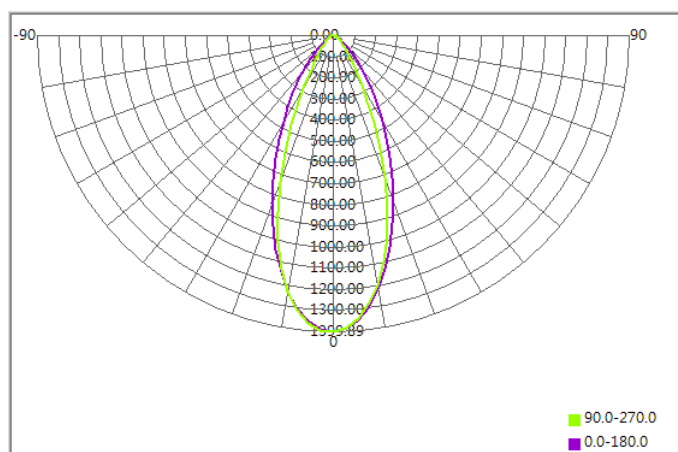




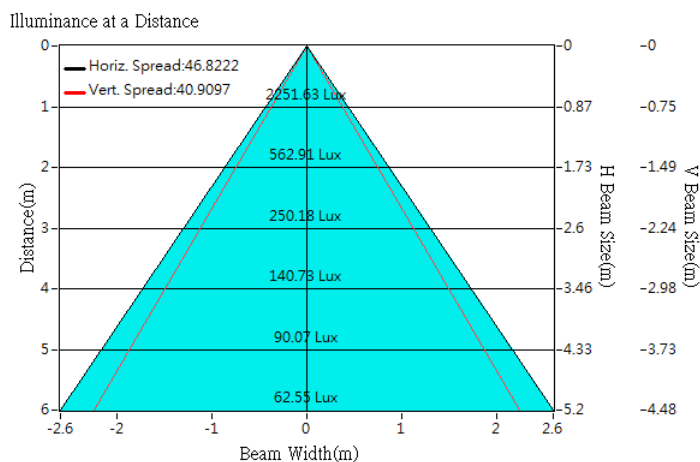
Optical Characteristics

Model Number	CKO-SA20-075026-0411		
LED	CXB1816		
LES / LED Size	Φ 12 mm		
FWHM (D50)	41°x47°		
Field Angle (D10)	73°x91°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1608 lm	Measured @ 15.8 W	
Material	PC / UL94V2		

cd/klm

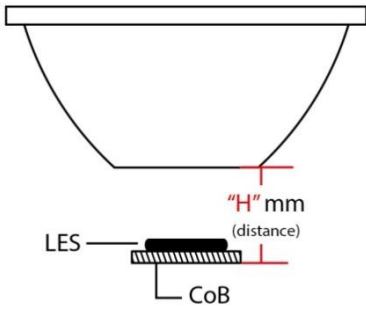


Illuminance At Distances

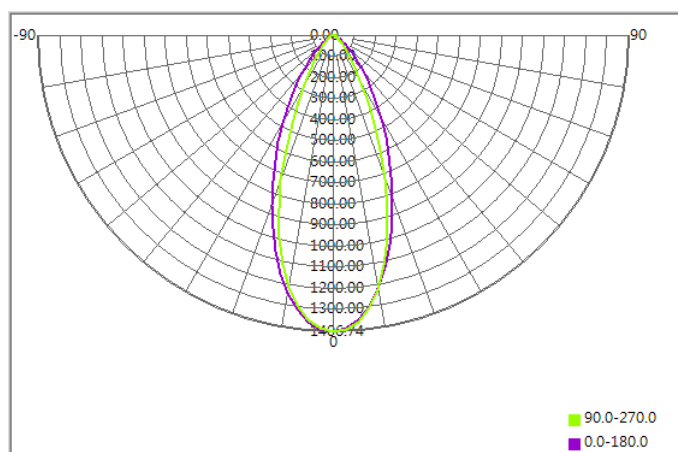




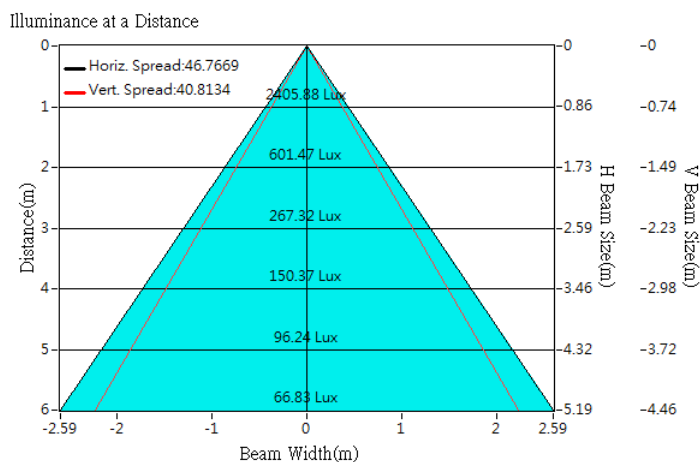
Optical Characteristics

Model Number	CKO-SA20-075026-0411		
LED	CXA1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	41°x47°		
Field Angle (D10)	74°x91°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1710 lm	Measured @ 19.7 W	
Material	PC / UL94V2		

cd/klm

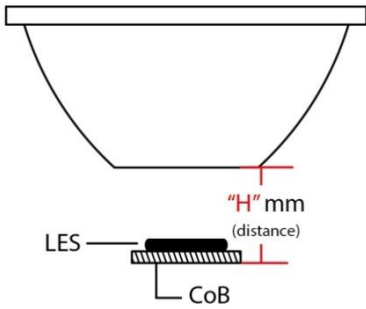


Illuminance At Distances

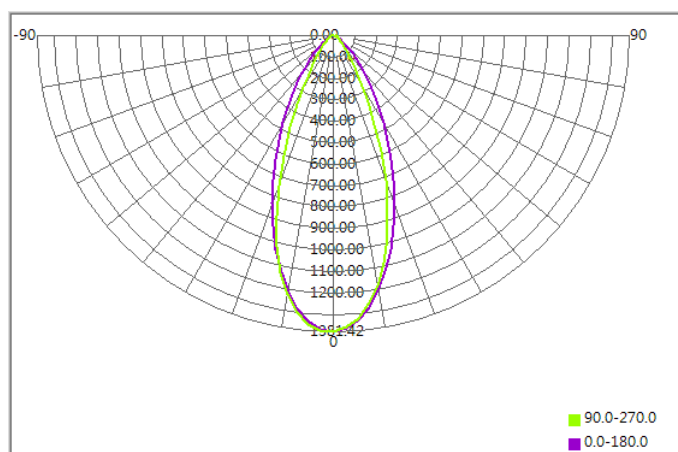




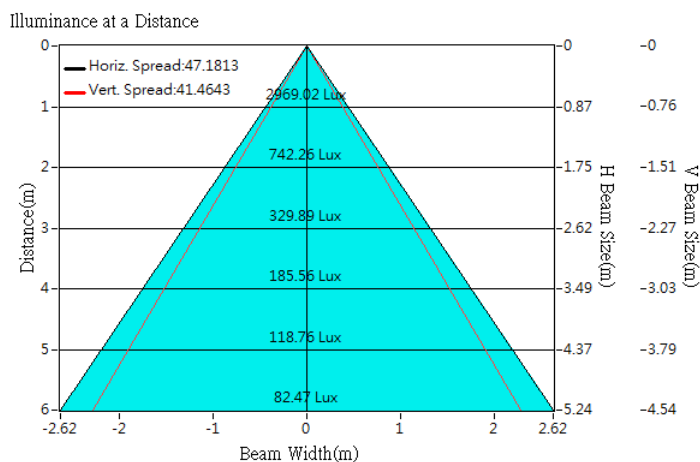
Optical Characteristics

Model Number	CKO-SA20-075026-0411		
LED	CXB1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	41°x47°		
Field Angle (D10)	74°x92°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2149 lm	Measured @ 19.5 W	
Material	PC / UL94V2		

cd/klm

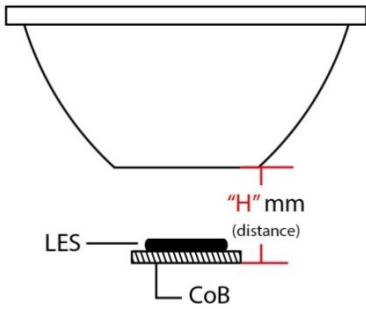


Illuminance At Distances

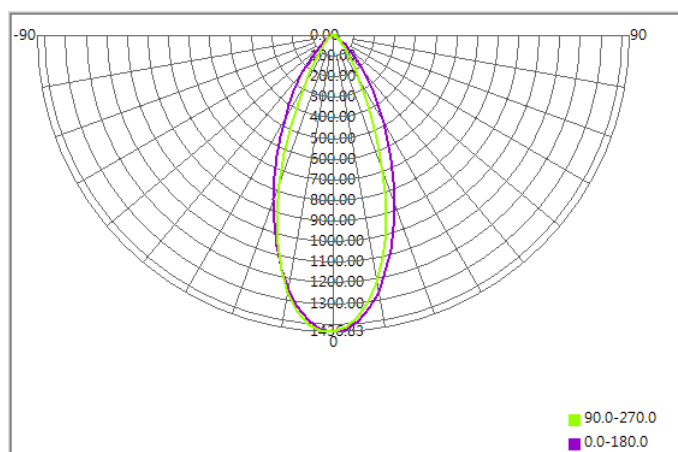




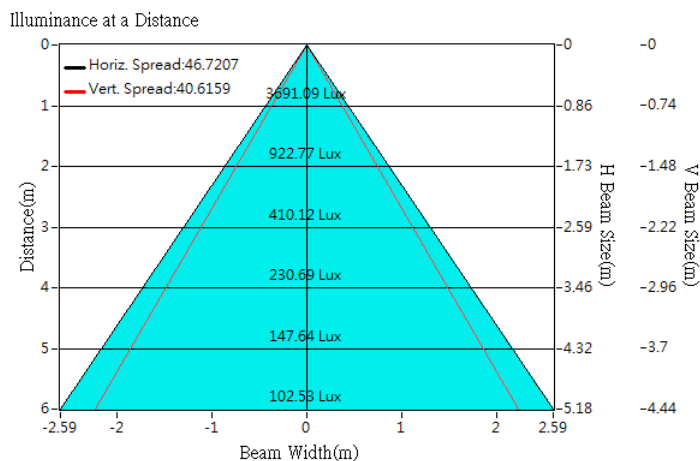
Optical Characteristics

Model Number	CKO-SA20-075026-0411		
LED	CMA1825		
LES / LED Size	Φ 12 mm		
FWHM (D50)	40°x46°		
Field Angle (D10)	72°x90°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2568 lm	Measured @ 25.4 W	
Material	PC / UL94V2		

cd/klm

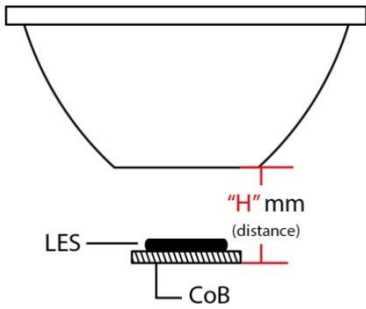


Illuminance At Distances

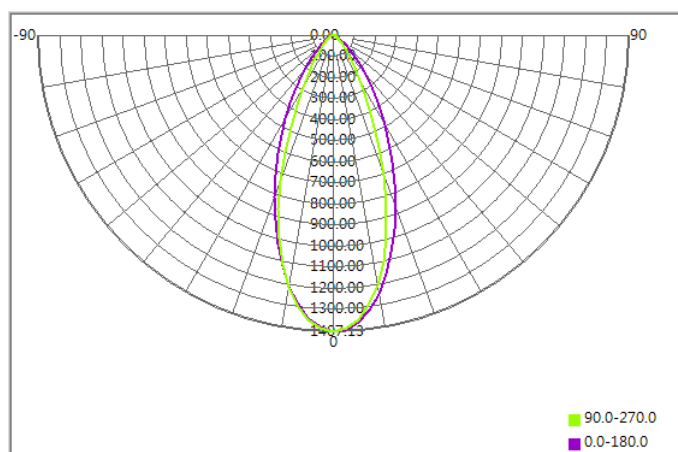




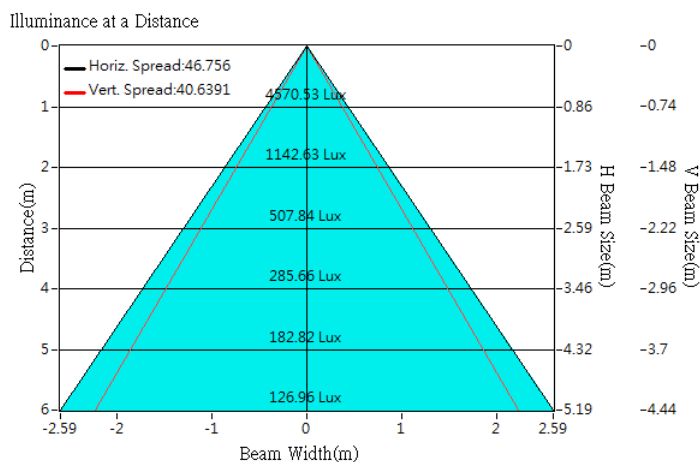
Optical Characteristics

Model Number	CKO-SA20-075026-0411		“H” definition 
LED	CXB1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	41° x 47°		
Field Angle (D10)	74°x91°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3248 lm	Measured @ 27.7 W	
Material	PC / UL94V2		

cd/klm

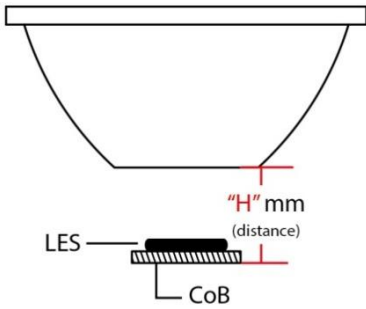


Illuminance At Distances

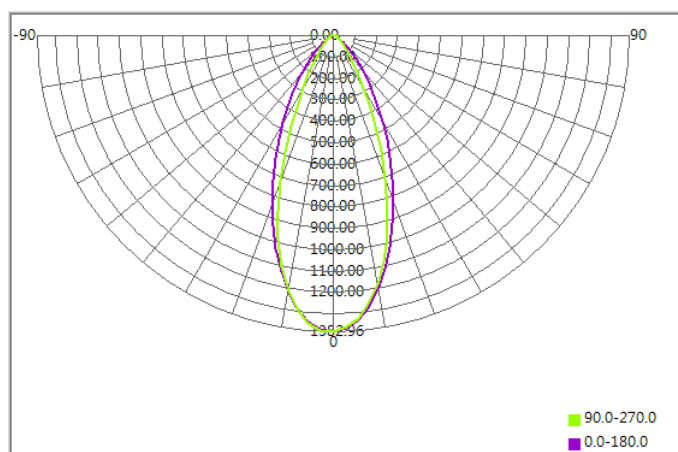




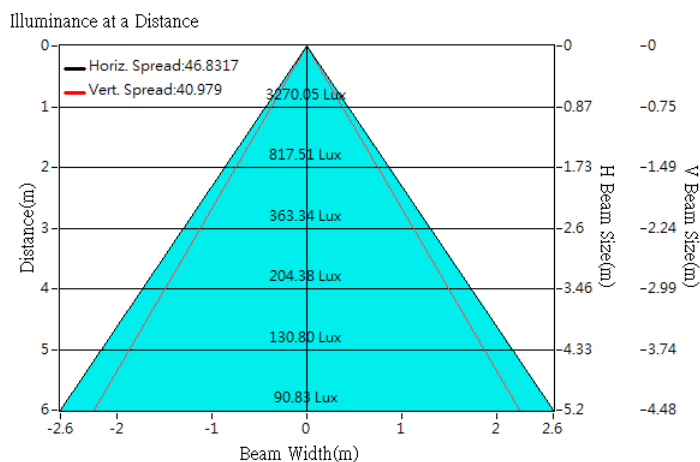
Optical Characteristics

Model Number	CKO-SA20-075026-0411		“H” definition 
LED	CMT1922		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	41°x47°		
Field Angle (D10)	75°x92°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2364 lm	Measured @ 21.2 W	
Material	PC / UL94V2		

cd/klm

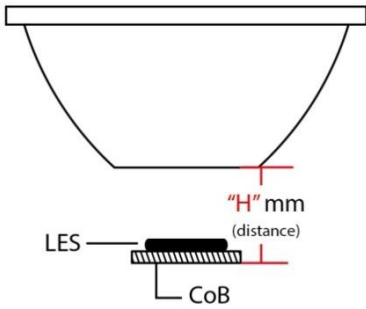


Illuminance At Distances

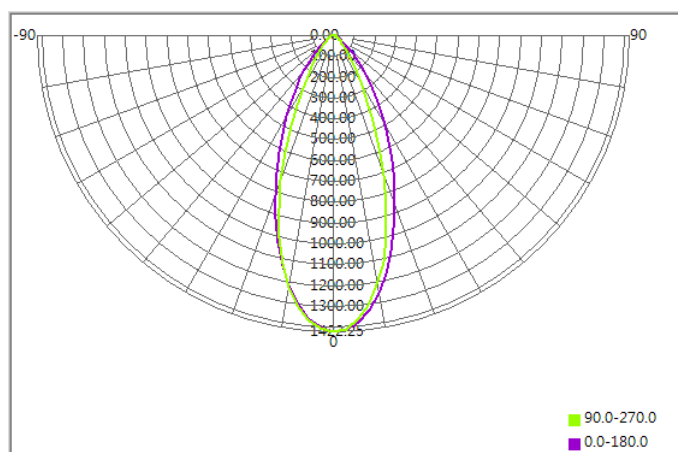




Optical Characteristics

Model Number	CKO-SA20-075026-0411		“H” definition 
LED	CMT1925		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	41°x46°		
Field Angle (D10)	74°x91°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2727 lm	Measured @ 24.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

