



Product Model Number

CKO-CS15-060027-4204

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

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(A)

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(B)

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(C)

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(D)

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(E)

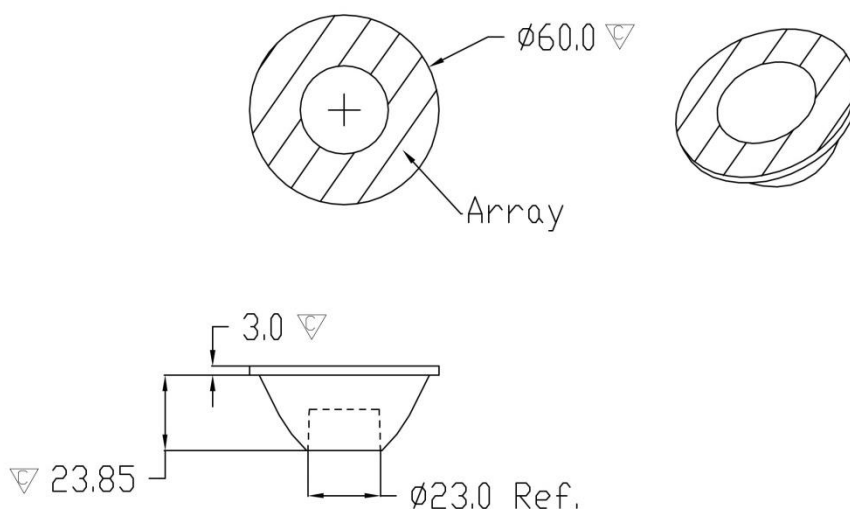


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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) : Φ60 x 26.85



▽:Critical Dimension

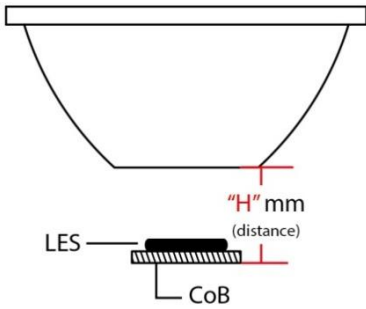


✓ Optical Characteristics – Angle Performances

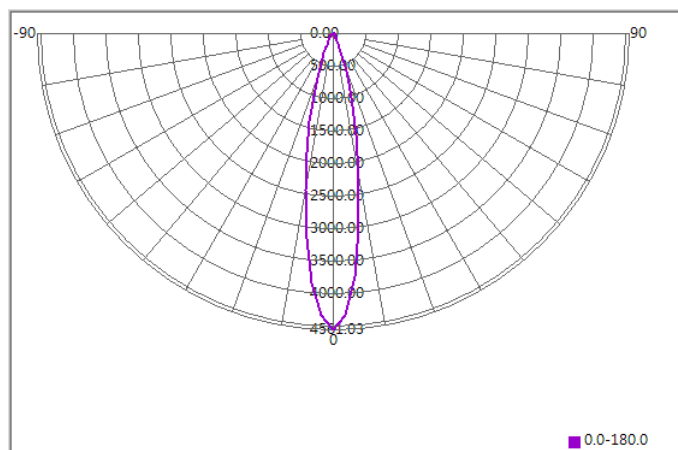
CREE	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
CXA1512	Φ9	21°	44°
CXB1512	Φ9	21°	45°
CMA1516	Φ9	22°	44°
CXB1520	Φ9	23°	45°
CMT1407	Φ9.8	22°	46°
CMT1412	Φ9.8	22°	46°
CMT1420	Φ9.8	23°	46°
CXA1816	Φ12	25°	49°
CXB1816	Φ12	26°	49°
CXA1820	Φ12	25°	50°
CXB1820	Φ12	25	50°
CMA1825	Φ12	26°	50°
CXA1830	Φ14	26°	53°
CXB1830	Φ14	28°	53°
CMA1840	Φ14	27°	54°
CMT1922	Φ14.5	27°	54°
CMT1925	Φ14.5	27°	55°
CMT1930	Φ14.5	27°	55°
CMT1945	Φ14.5	27°	54°



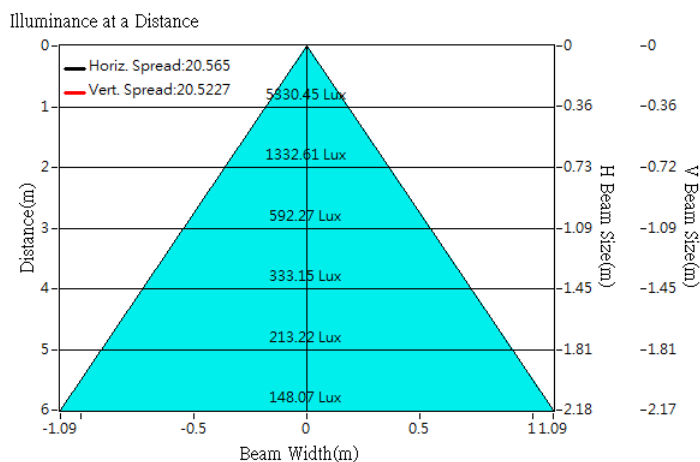
Optical Characteristics

Model Number	CKO-CS15-060027-4204		
LED	CXA1512		
LES / LED Size	Φ 9 mm		
FWHM (D50)	21°		
Field Angle (D10)	44°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	1168 lm	Measured @ 13.4 W	
Material	PC / UL94V2		

cd/klm

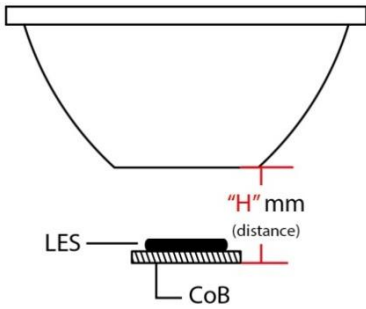


Illuminance At Distances

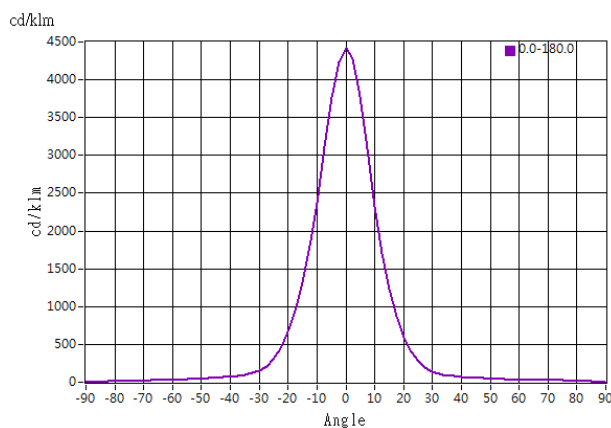




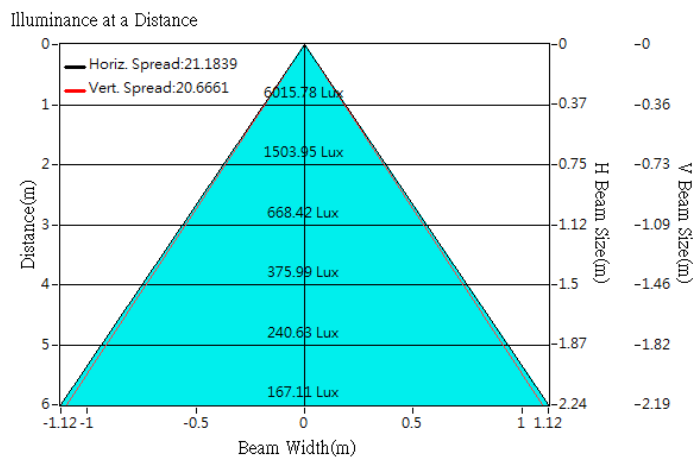
Optical Characteristics

Model Number	CKO-CS15-060027-4204		
LED	CXB1512		
LES / LED Size	Φ 9 mm		
FWHM (D50)	21°		
Field Angle (D10)	45°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	1363 lm	Measured @ 12.1 W	
Material	PC / UL94V2		

cd/klm

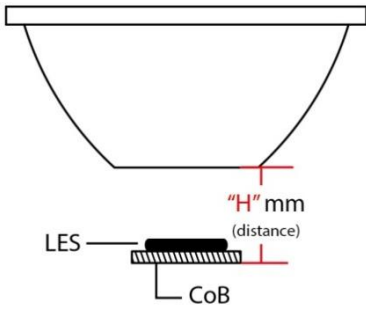


Illuminance At Distances

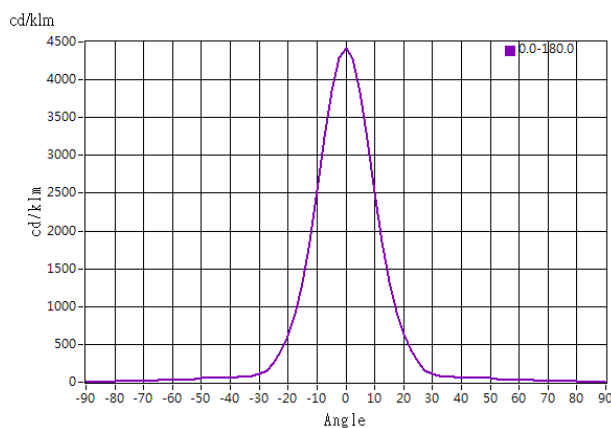




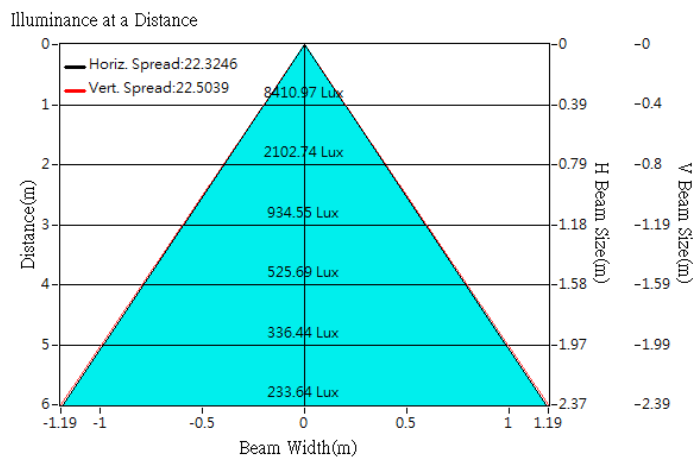
Optical Characteristics

Model Number	CKO-CS15-060027-4204		"H" definition
LED	CMA1516		
LES / LED Size	Φ 9 mm		
FWHM (D50)	22°		
Field Angle (D10)	44°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	1904 lm	Measured @ 15.5 W	
Material	PC / UL94V2		

cd/klm

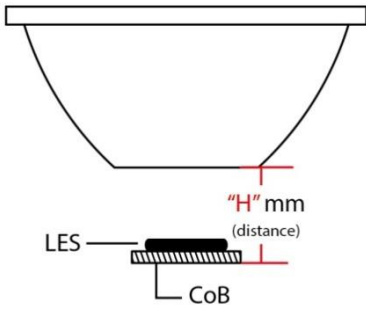


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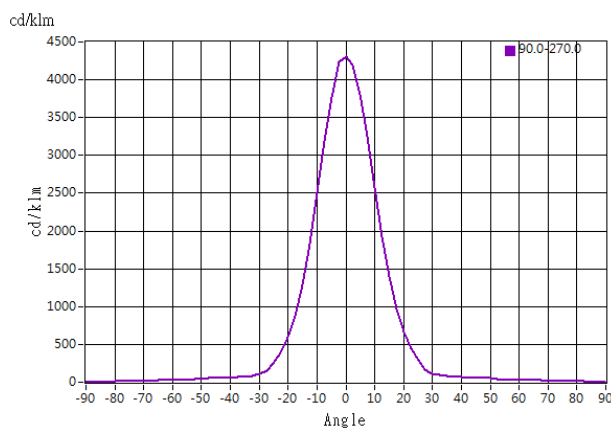




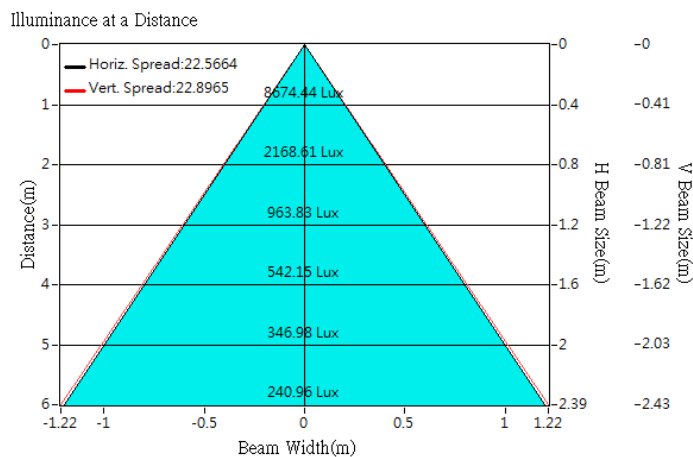
Optical Characteristics

Model Number	CKO-CS15-060027-4204		"H" definition 
LED	CXB1520		
LES / LED Size	Φ 9 mm		
FWHM (D50)	23°		
Field Angle (D10)	45°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2011 lm	Measured @ 16.6 W	
Material	PC / UL94V2		

cd/klm

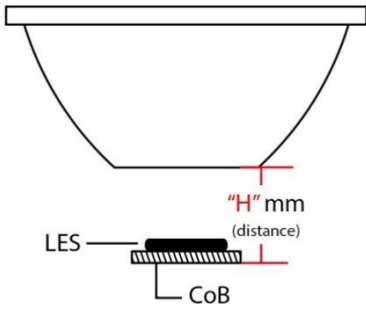


Illuminance At Distances

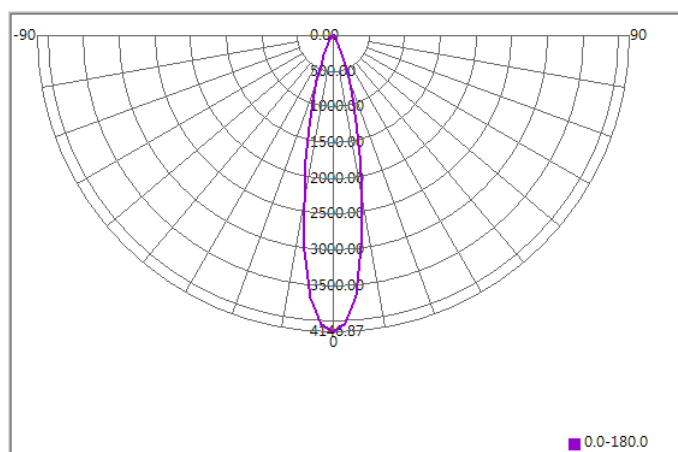




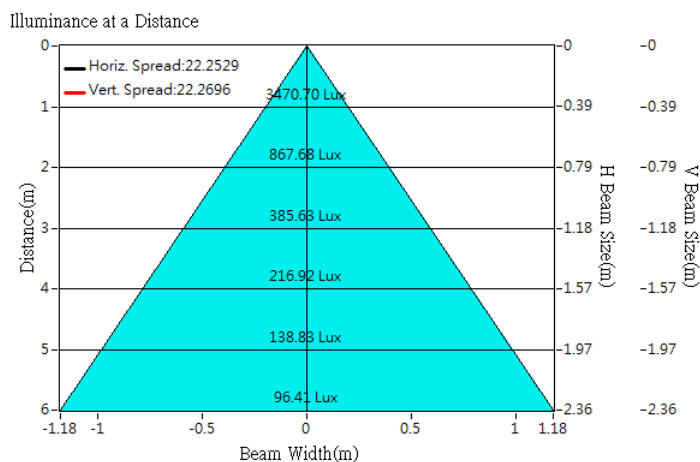
Optical Characteristics

Model Number	CKO-CS15-060027-4204		
LED	CMT1407		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	22°		
Field Angle (D10)	46°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	836 lm	Measured @ 7 W	
Material	PC / UL94V2		

cd/klm

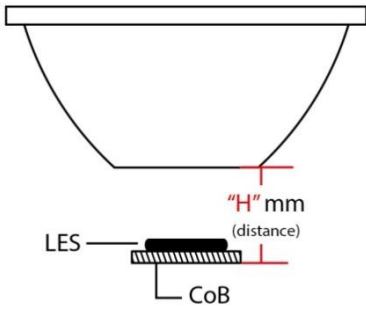


Illuminance At Distances

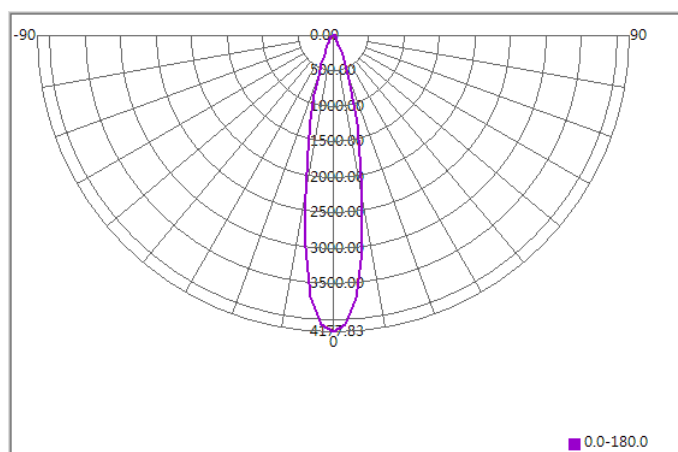




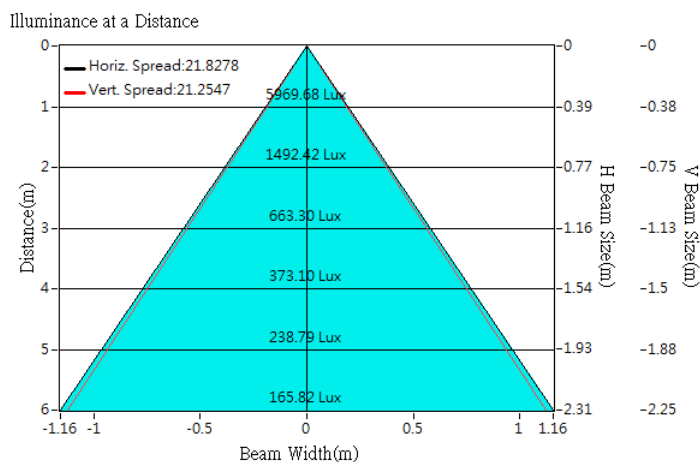
Optical Characteristics

Model Number	CKO-CS15-060027-4204		"H" definition 
LED	CMT1412		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	22°		
Field Angle (D10)	46°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	1428 lm	Measured @ 12.7 W	
Material	PC / UL94V2		

cd/klm

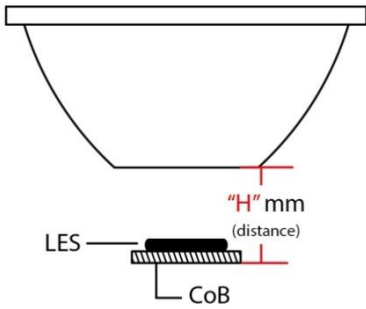


Illuminance At Distances

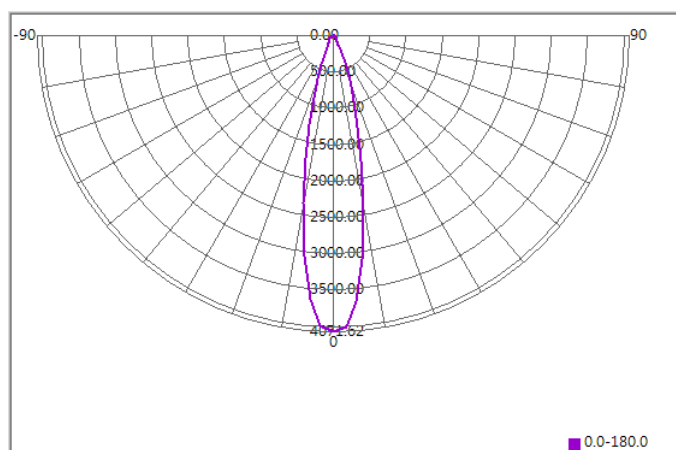




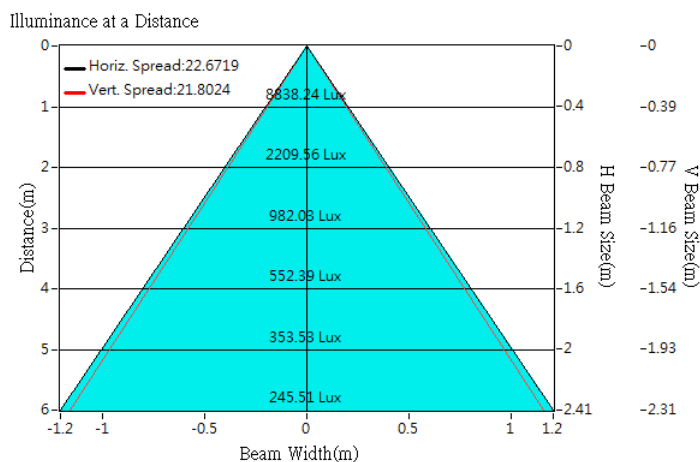
Optical Characteristics

Model Number	CKO-CS15-060027-4204		"H" definition 
LED	CMT1420		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	23°		
Field Angle (D10)	46°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2170 lm	Measured @ 19.0 W	
Material	PC / UL94V2		

cd/klm

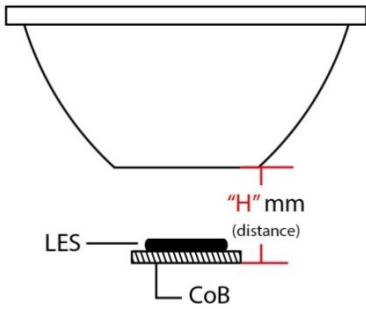


Illuminance At Distances

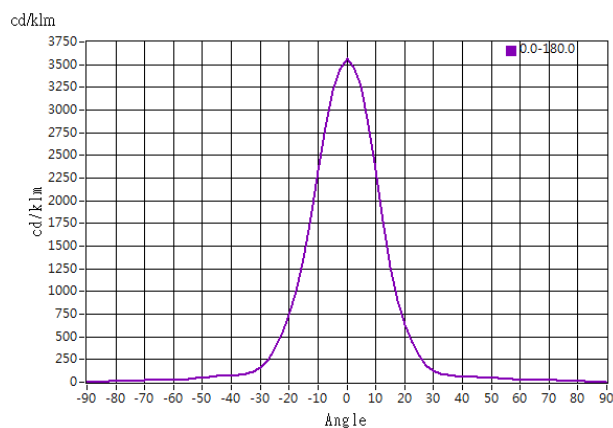




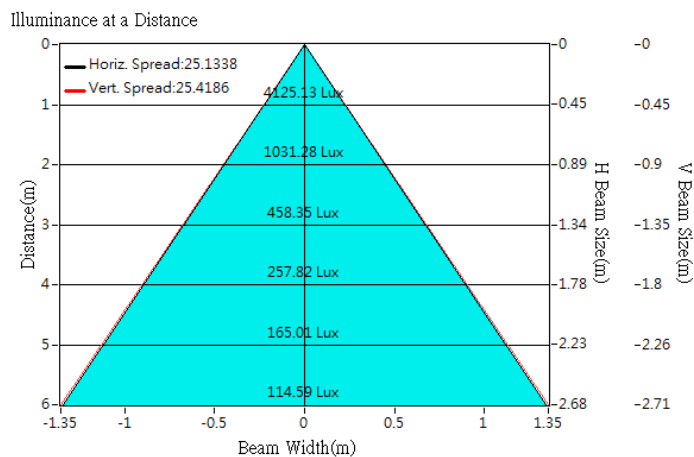
Optical Characteristics

Model Number	CKO-CS15-060027-4204		"H" definition 
LED	CXA1816		
LES / LED Size	Φ 12 mm		
FWHM (D50)	25°		
Field Angle (D10)	49°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	1157 lm	Measured @ 10.5 W	
Material	PC / UL94V2		

cd/klm

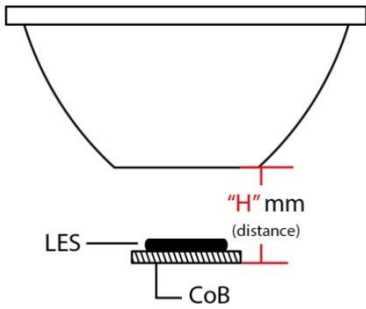


Illuminance At Distances

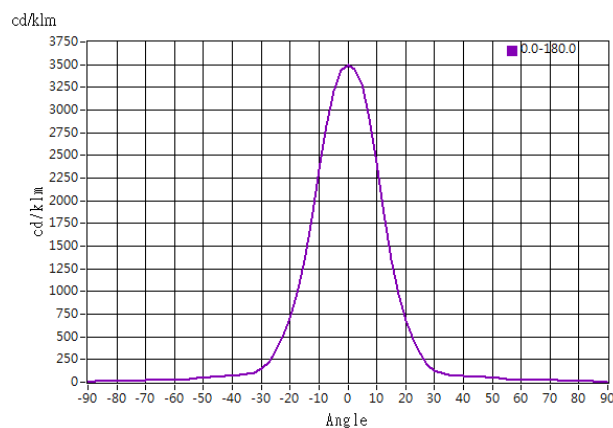




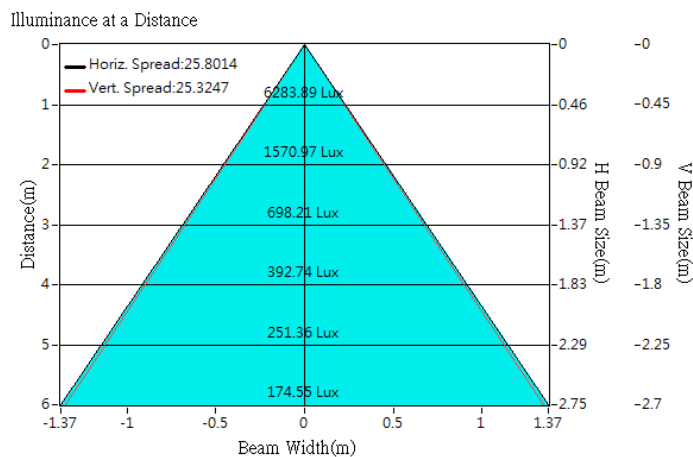
Optical Characteristics

Model Number	CKO-CS15-060027-4204		“H” definition 
LED	CXB1816		
LES / LED Size	Φ 12 mm		
FWHM (D50)	26°		
Field Angle (D10)	49°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	3502 lm	Measured @ 15.7 W	
Material	PC / UL94V2		

cd/klm

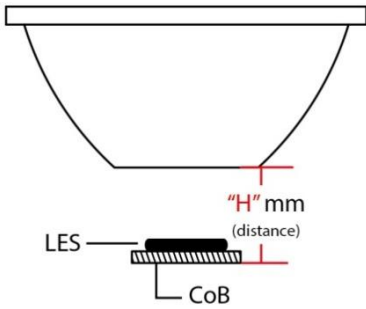


Illuminance At Distances

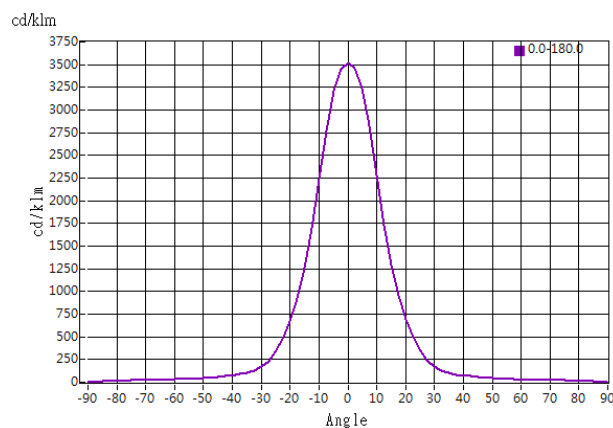




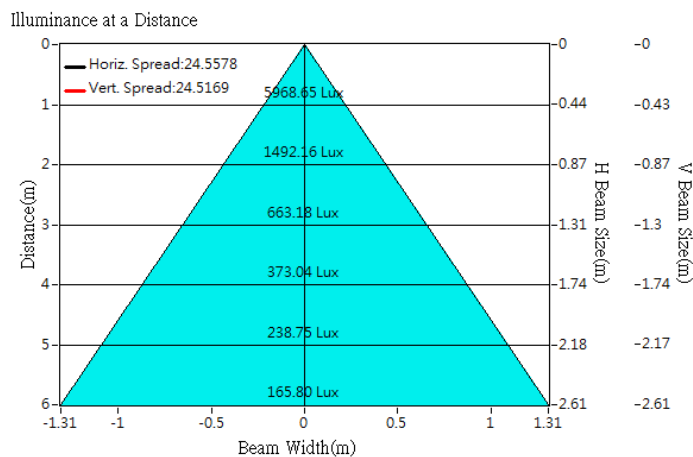
Optical Characteristics

Model Number		CKO-CS15-060027-4204	"H" definition
LED	CXA1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	25°		
Field Angle (D10)	50°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	1693 lm	Measured @ 19.6 W	
Material	PC / UL94V2		

cd/klm

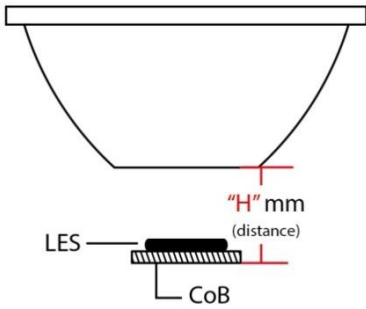


Illuminance At Distances

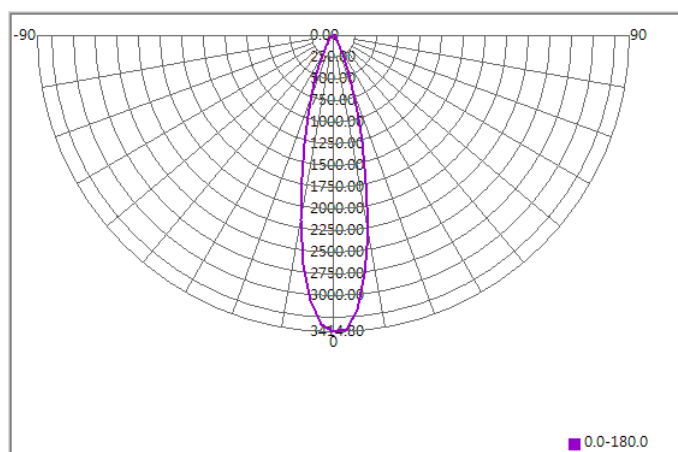




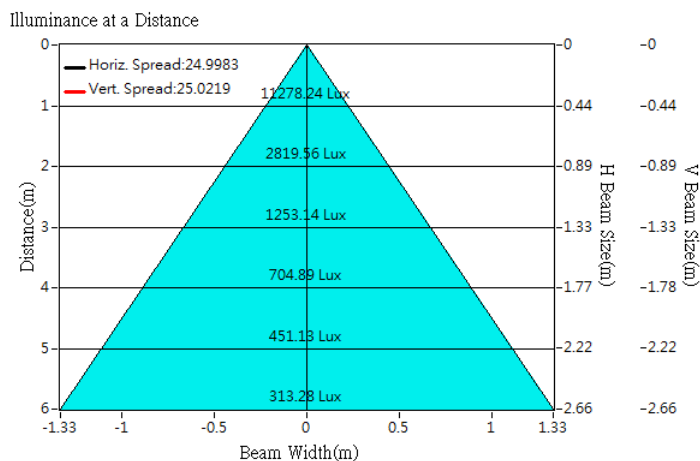
Optical Characteristics

Model Number	CKO-CS15-060027-4204		"H" definition 
LED	CXB1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	25°		
Field Angle (D10)	50°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	3302 lm	Measured @ 34 W	
Material	PC / UL94V2		

cd/klm

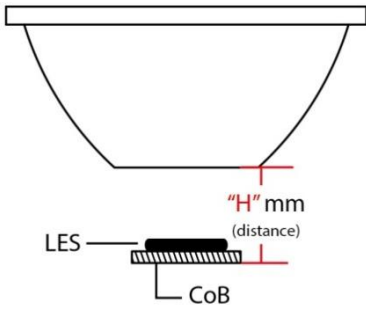


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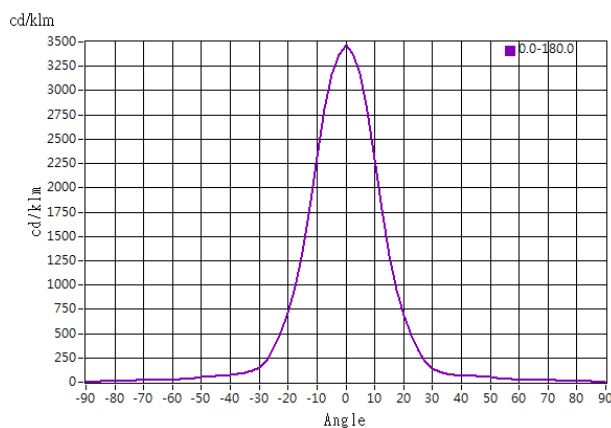




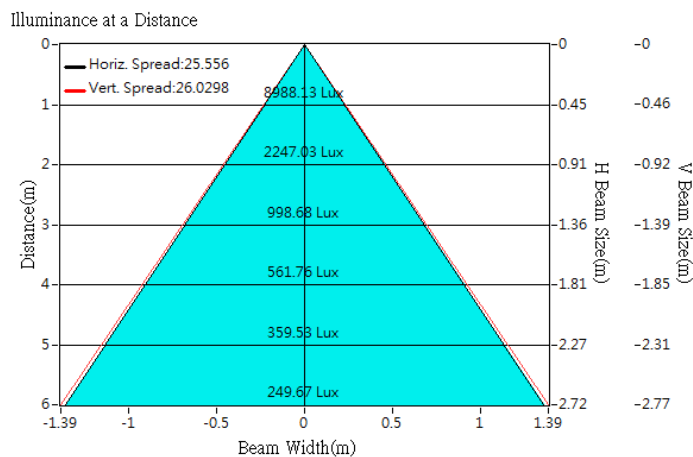
Optical Characteristics

Model Number		CKO-CS15-060027-4204	"H" definition
LED	CMA1825		
LES / LED Size	Φ 12 mm		
FWHM (D50)	26°		
Field Angle (D10)	50°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2596 lm	Measured @ 21.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

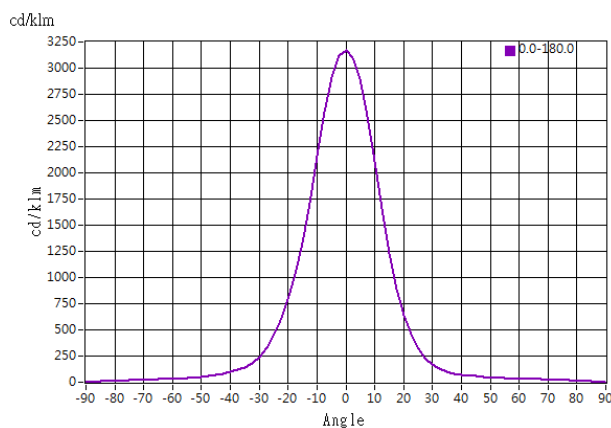




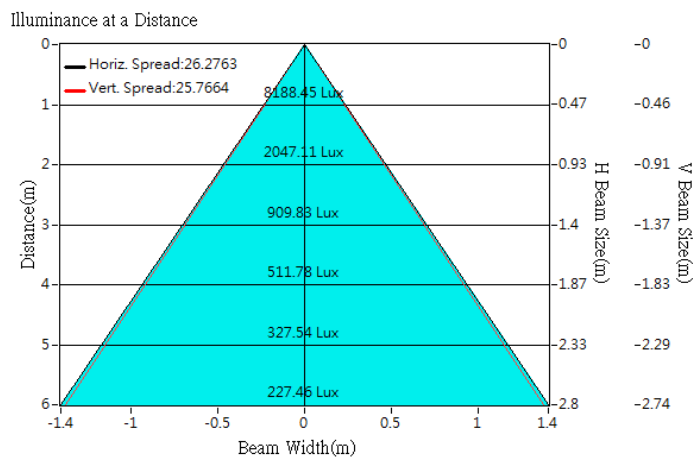
Optical Characteristics

Model Number	CKO-CS15-060027-4204		"H" definition
LED	CXA1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	26°		
Field Angle (D10)	53°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2585 lm	Measured @ 29.9 W	
Material	PC / UL94V2		

cd/klm

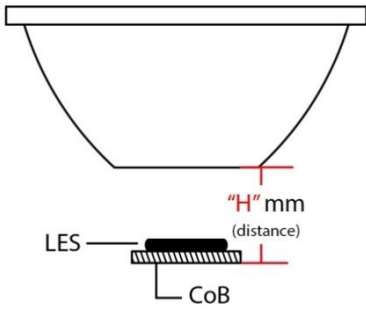


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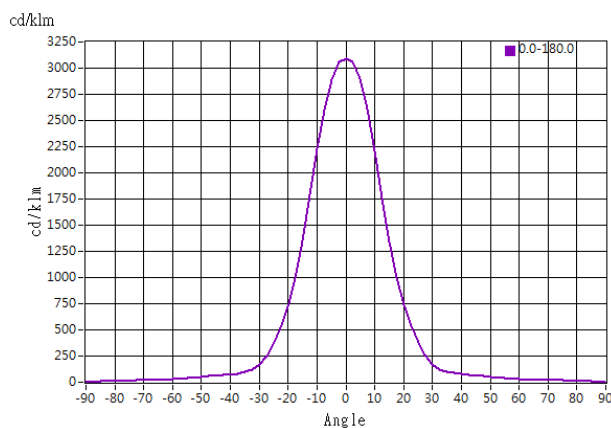




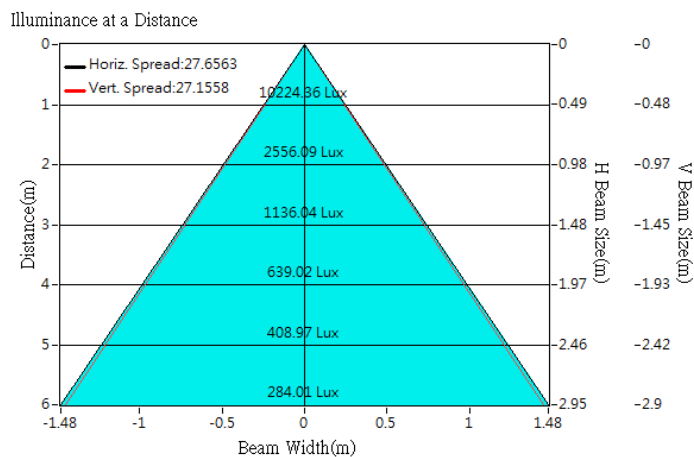
Optical Characteristics

Model Number	CKO-CS15-060027-4204		
LED	CXB1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	28°		
Field Angle (D10)	53°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	3309 lm	Measured @ 28.5 W	
Material	PC / UL94V2		

cd/klm

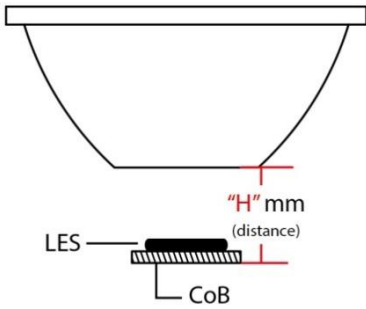


Illuminance At Distances

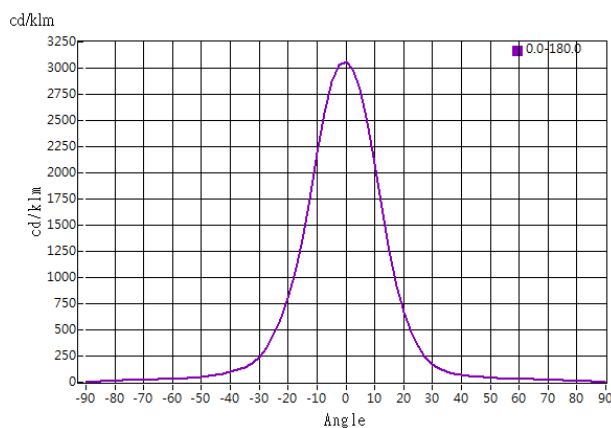




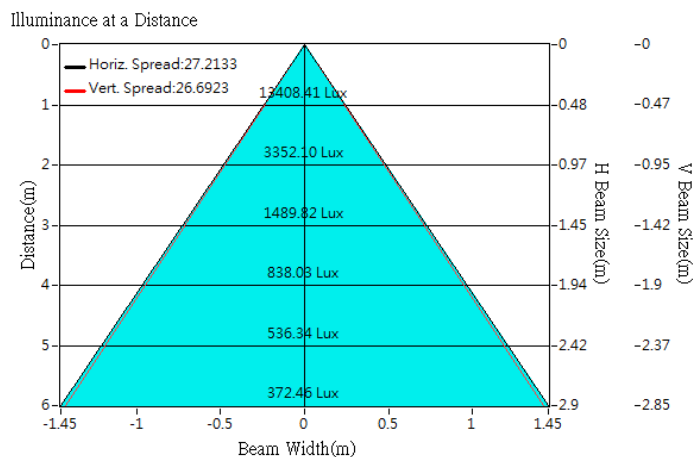
Optical Characteristics

Model Number	CKO-CS15-060027-4204		
LED	CMA1840		
LES / LED Size	Φ 14 mm		
FWHM (D50)	27°		
Field Angle (D10)	54°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	4376 lm	Measured @ 38.4 W	
Material	PC / UL94V2		

cd/klm

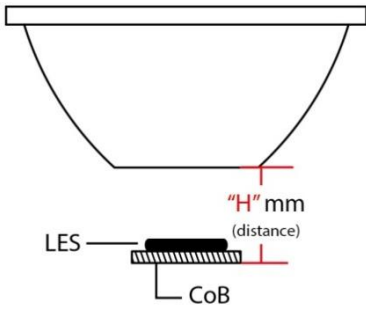


Illuminance At Distances

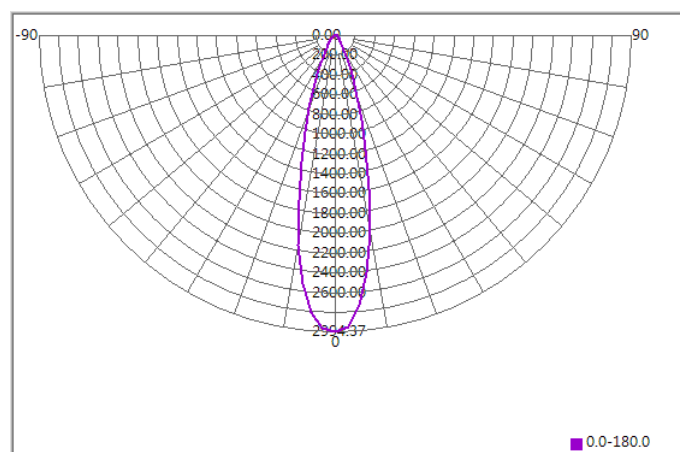




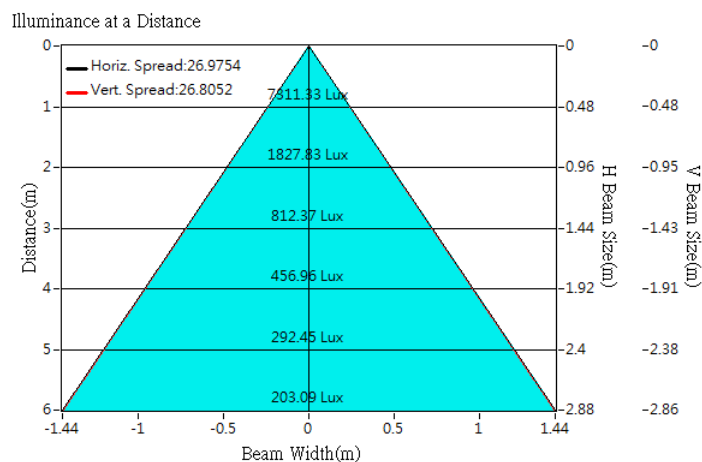
Optical Characteristics

Model Number	CKO-CS15-060027-4204		
LED	CMT1922		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	27°		
Field Angle (D10)	54°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2441 lm	Measured @ 21.7 W	
Material	PC / UL94V2		

cd/klm

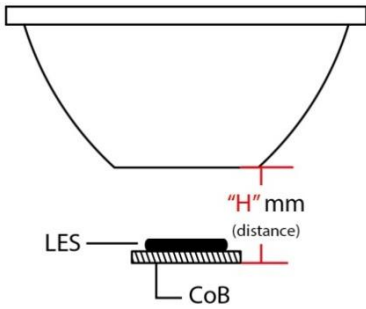


Illuminance At Distances

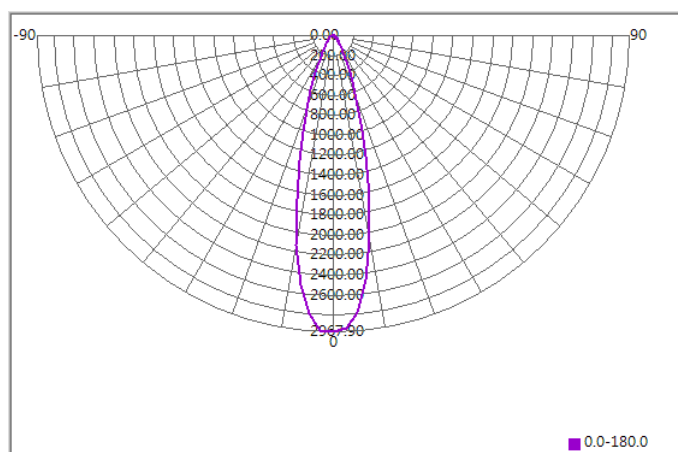




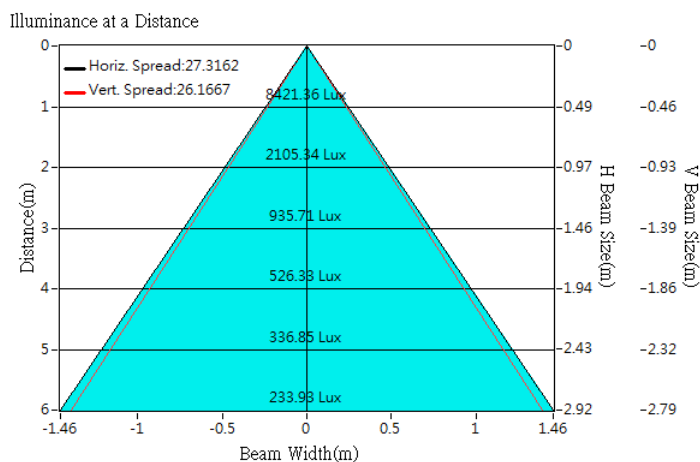
Optical Characteristics

Model Number	CKO-CS15-060027-4204		
LED	CMT1925		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	27°		
Field Angle (D10)	55°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2837 lm	Measured @ 25.5 W	
Material	PC / UL94V2		

cd/klm

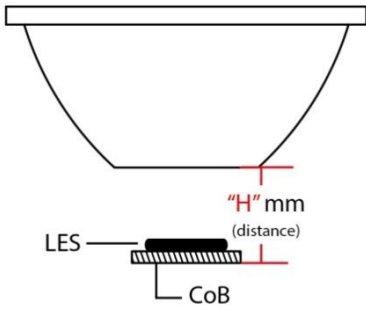


Illuminance At Distances

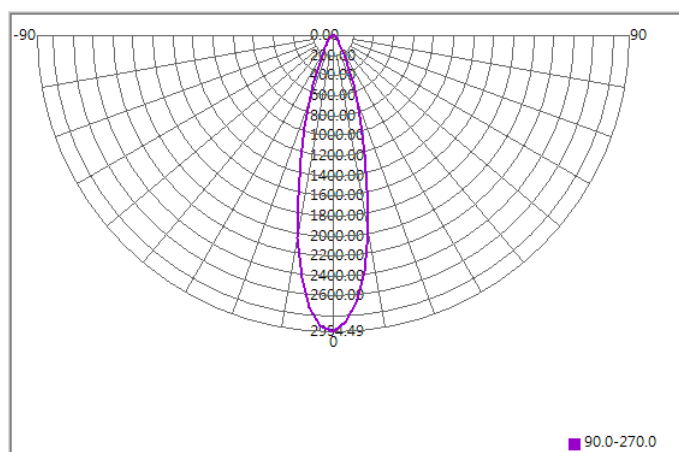




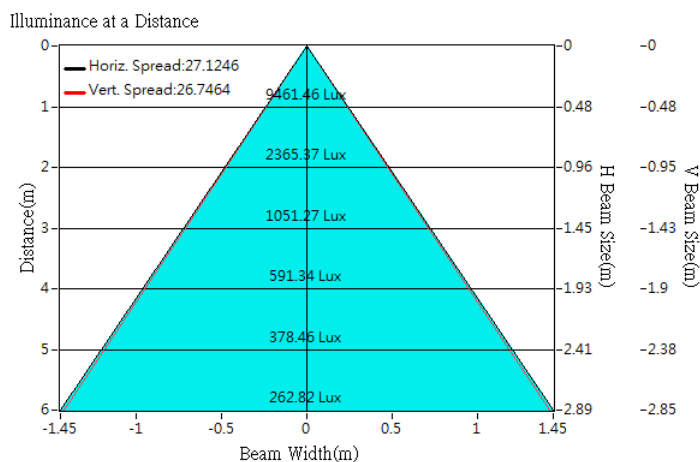
Optical Characteristics

Model Number	CKO-CS15-060027-4204		
LED	CMT1930		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	27°		
Field Angle (D10)	55°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	3202 lm	Measured @ 29.1 W	
Material	PC / UL94V2		

cd/klm

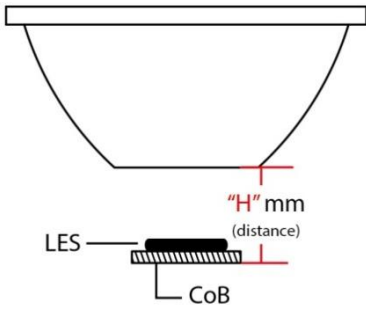


Illuminance At Distances

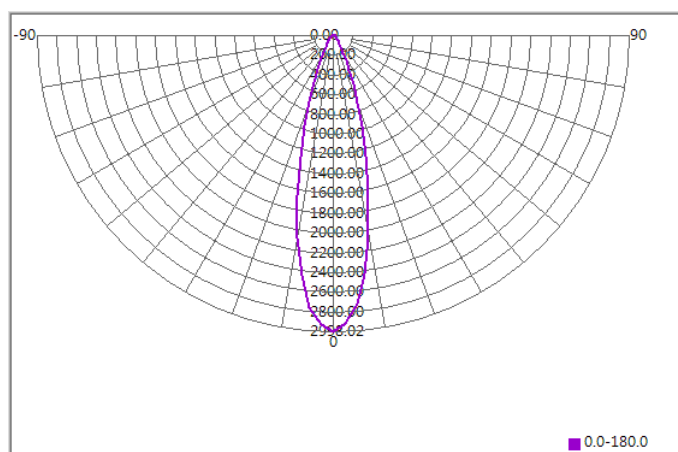




Optical Characteristics

Model Number	CKO-CS15-060027-4204		
LED	CMT1945		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	27°		
Field Angle (D10)	54°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	4488 lm	Measured @ 42.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

