



Product Model Number

CKO-CH17-075041-0303

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX



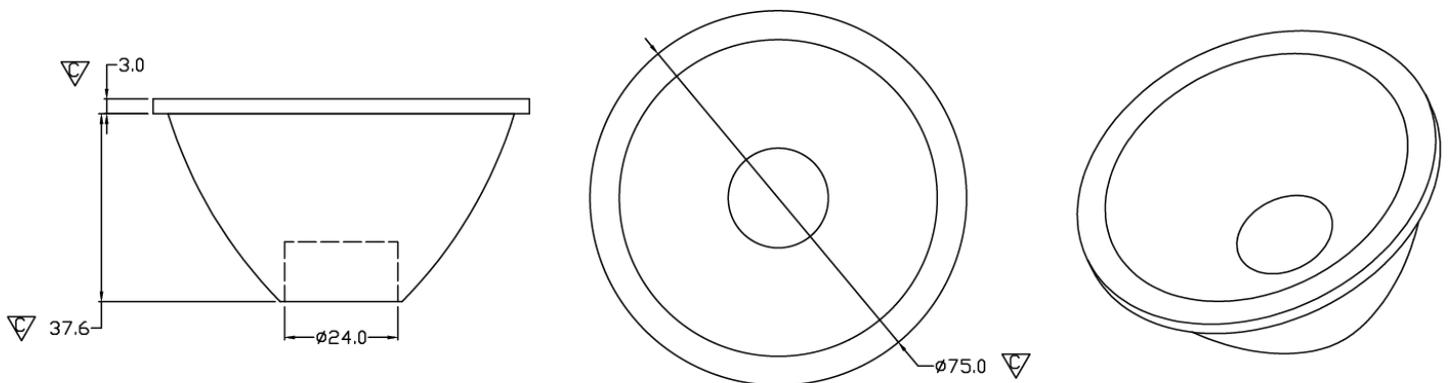
- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

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



The lens datasheet is applicable for **Cree LED**, that manufactured by Chun Kuang Optics Corp.

✓ Dimensions (mm) : Φ 75 x 40.6



▽:Critical Dimension



✓ Optical Characteristics – Angle Performances

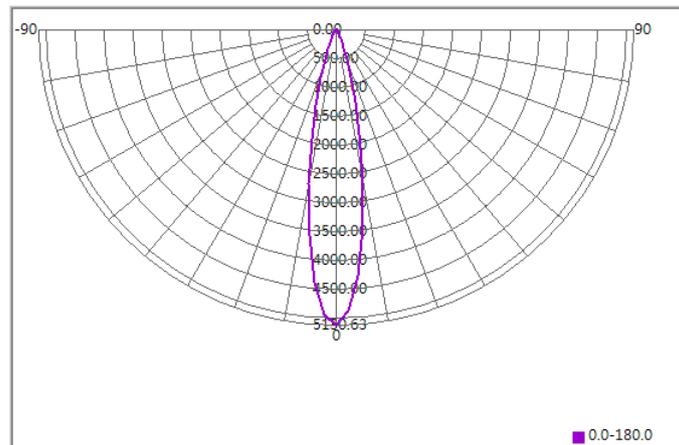
Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
CXA1507	Φ9	21°	41°
CXB1507	Φ9	21°	41°
CXA1512	Φ9	20°	40°
CXB1512	Φ9	21°	40°
CMA1516	Φ9	21°	40°
CXA1520	Φ9	20°	40°
CXB1520	Φ9	21°	40°
CMT1407	Φ9.8	21°	40°
CMT1412	Φ9.8	22°	42°
CMT1420	Φ9.8	21°	40°
CXB1820	Φ12	25°	47°
CMA1825	Φ12	25°	47°
CXA1850	Φ12	24°	45°
CXA1830	Φ14	26°	48°
CXB1830	Φ14	27°	49°
CMA1840	Φ14	27°	49°
CMT1922	Φ14.5	27°	50°
CMT1925	Φ14.5	28°	50°
CMT1930	Φ14.5	26°	49°
CMT1945	Φ14.5	27°	49°



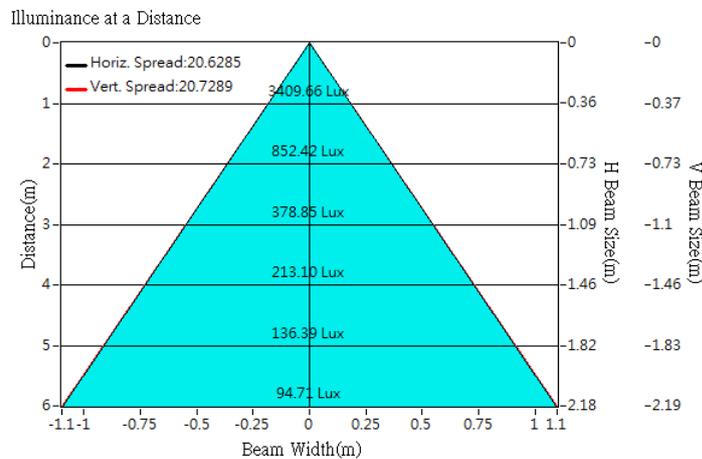
Optical Characteristics

Model Number	CKO-CH17-075041-0303		<p>"H" definition</p>
LED	CXA1507		
LES / LED Size	Φ 9 mm		
FWHM (D50)	21°		
Field Angle (D10)	41°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	664 lm	Measured @ 7.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

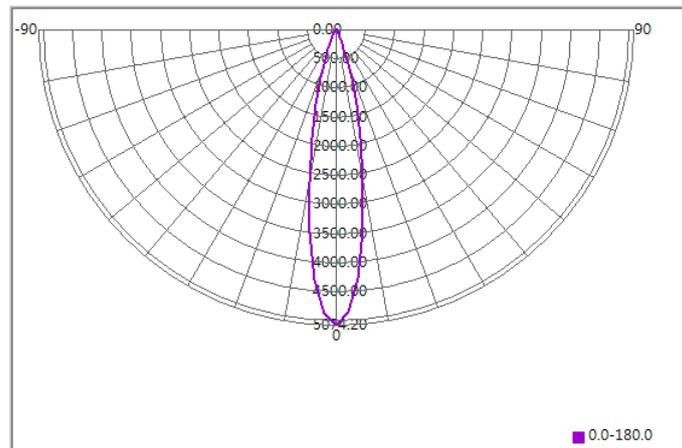




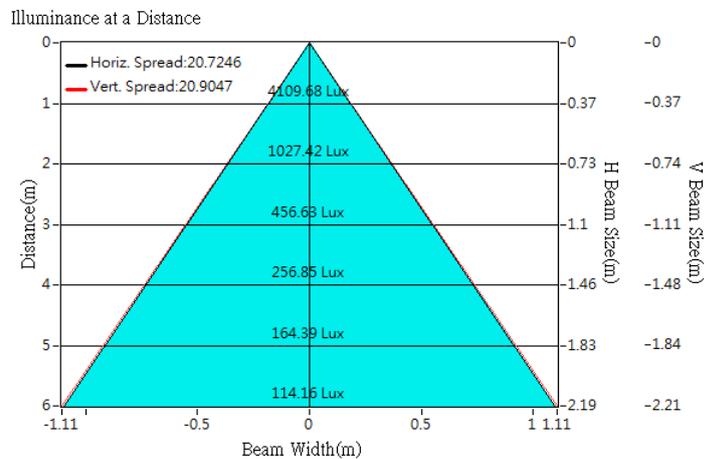
Optical Characteristics

Model Number	CKO-CH17-075041-0303		<p>"H" definition</p>
LED	CXB1507		
LES / LED Size	Φ 9 mm		
FWHM (D50)	21°		
Field Angle (D10)	41°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	809 lm	Measured @ 7.2 W	
Material	PC / UL94V2		

cd/klm

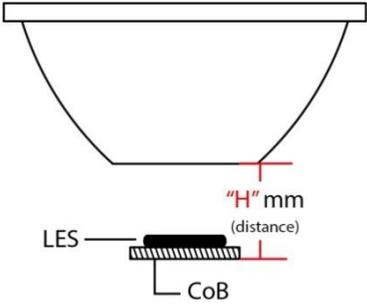


Illuminance At Distances

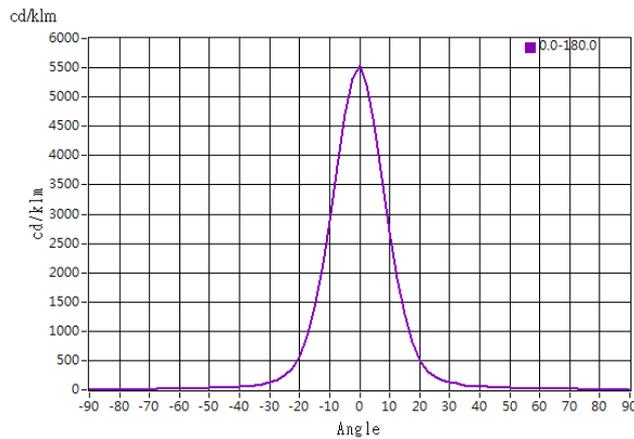




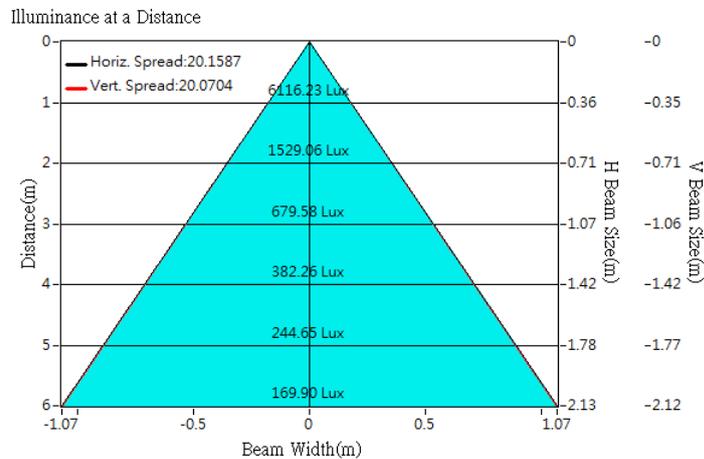
Optical Characteristics

Model Number	CKO-CH17-075041-0303		<p>"H" definition</p> 
LED	CXA1512		
LES / LED Size	Φ 9 mm		
FWHM (D50)	20°		
Field Angle (D10)	40°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	1105 lm	Measured @ 13.0 W	
Material	PC / UL94V2		

cd/klm

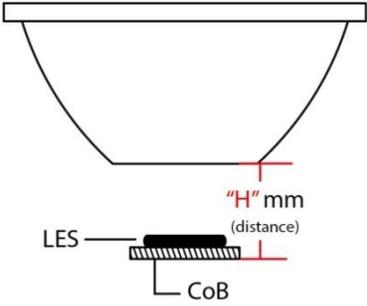


Illuminance At Distances

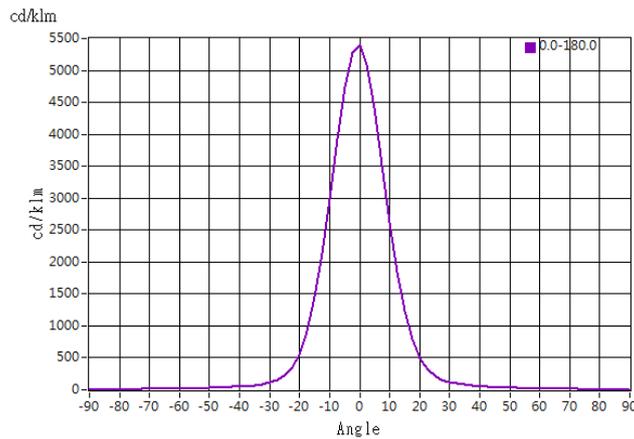




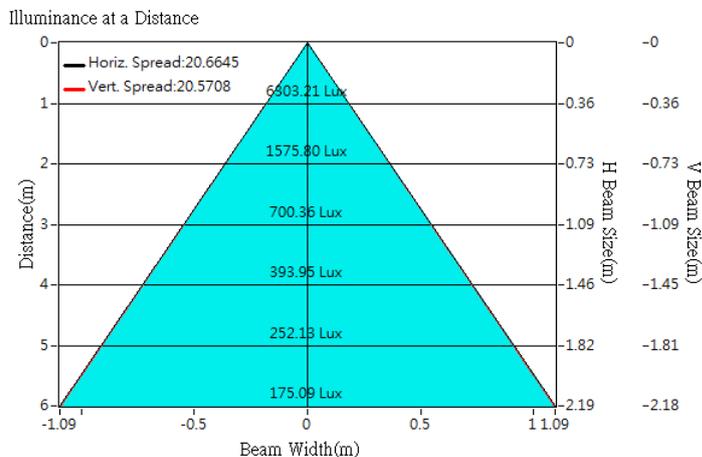
Optical Characteristics

Model Number	CKO-CH17-075041-0303	<p>"H" definition</p> 
LED	CXB1512	
LES / LED Size	Φ 9 mm	
FWHM (D50)	21°	
Field Angle (D10)	40°	
H (distance)	3.65mm	
Dimension	Φ =75 mm, Thickness=40.6 mm	
Luminous Flux	1168 lm Measured @ 11.7 W	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

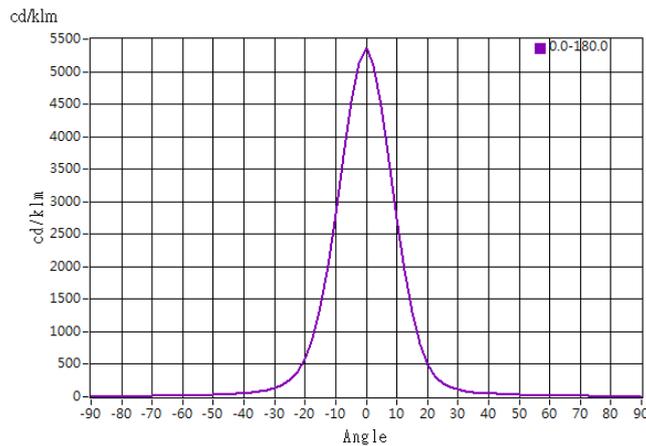




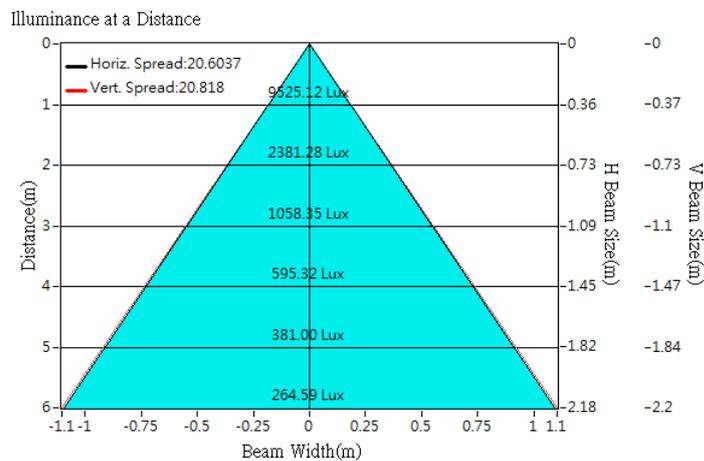
Optical Characteristics

Model Number	CKO-CH17-075041-0303		<p>"H" definition</p>
LED	CMA1516		
LES / LED Size	Φ 9 mm		
FWHM (D50)	21°		
Field Angle (D10)	40°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	1776 lm	Measured @ 15.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

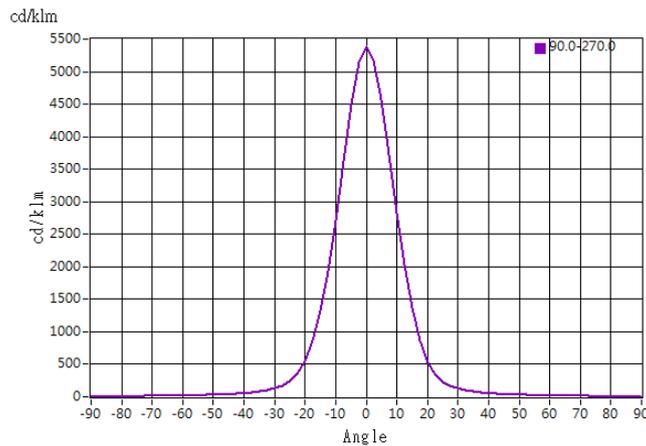




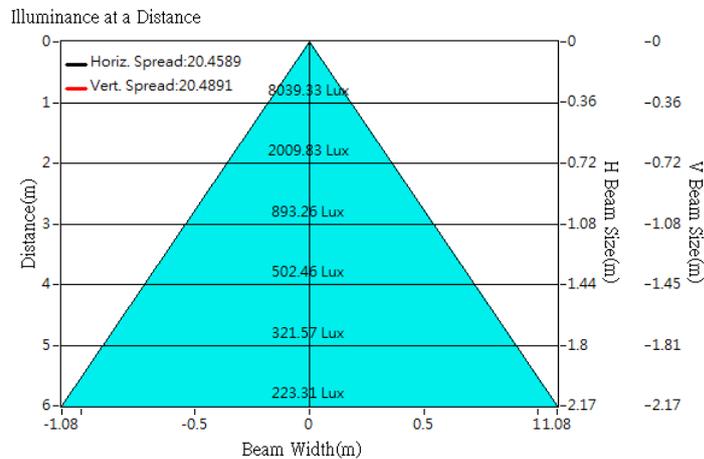
Optical Characteristics

Model Number	CKO-CH17-075041-0303	<p>"H" definition</p> <p>LES CoB</p>
LED	CXA1520	
LES / LED Size	Φ 9 mm	
FWHM (D50)	20°	
Field Angle (D10)	40°	
H (distance)	3.65mm	
Dimension	Φ =75 mm, Thickness=40.6 mm	
Luminous Flux	1492 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

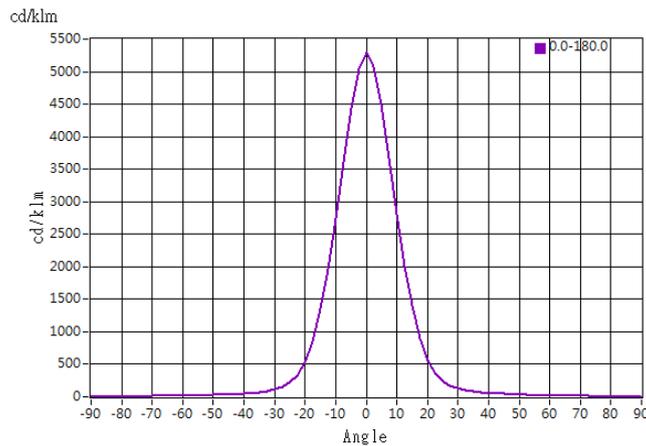




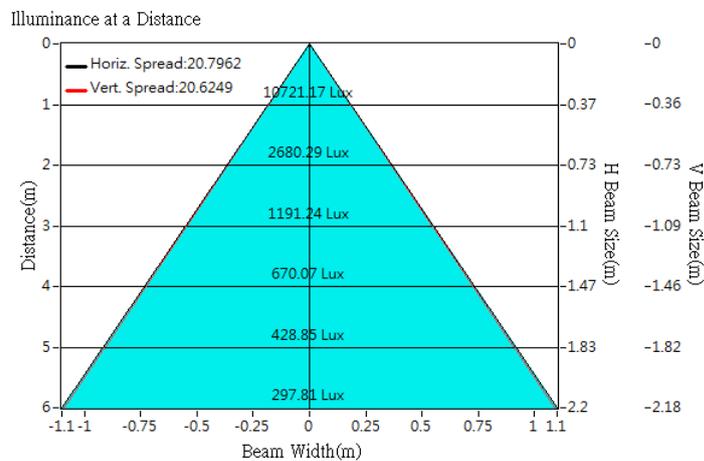
Optical Characteristics

Model Number	CKO-CH17-075041-0303		<p>"H" definition</p>
LED	CXB1520		
LES / LED Size	Φ 9 mm		
FWHM (D50)	21°		
Field Angle (D10)	40°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	2025 lm	Measured @ 16.6 W	
Material	PC / UL94V2		

cd/klm

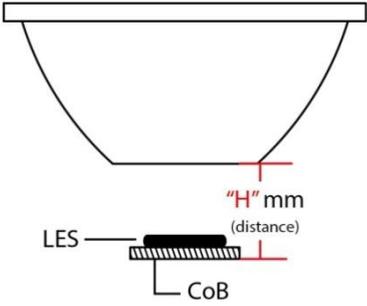


Illuminance At Distances

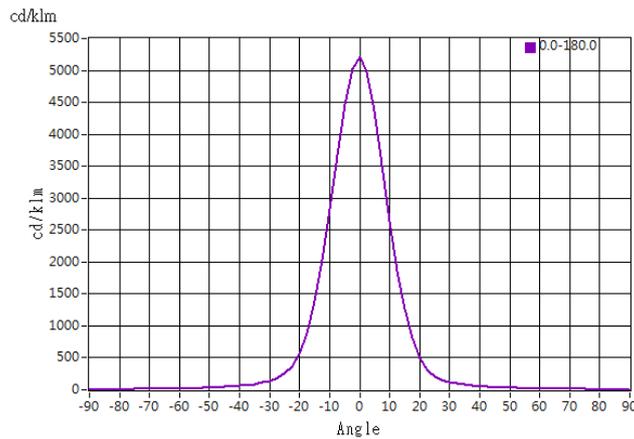




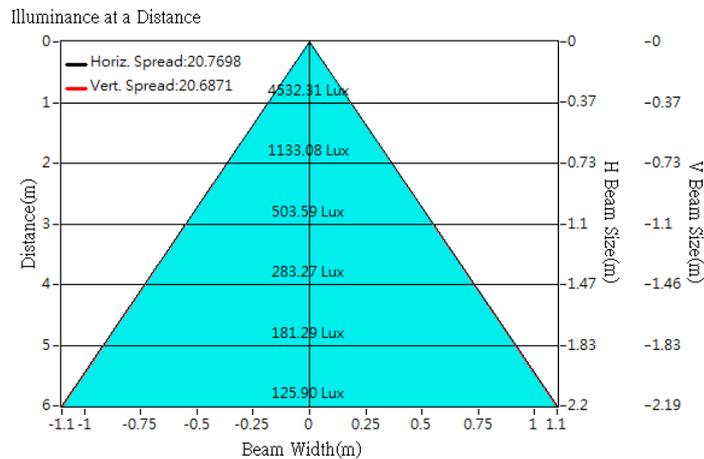
Optical Characteristics

Model Number	CKO-CH17-075041-0303		<p>"H" definition</p> 
LED	CMT1407		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	21°		
Field Angle (D10)	40°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	870 lm	Measured @ 7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

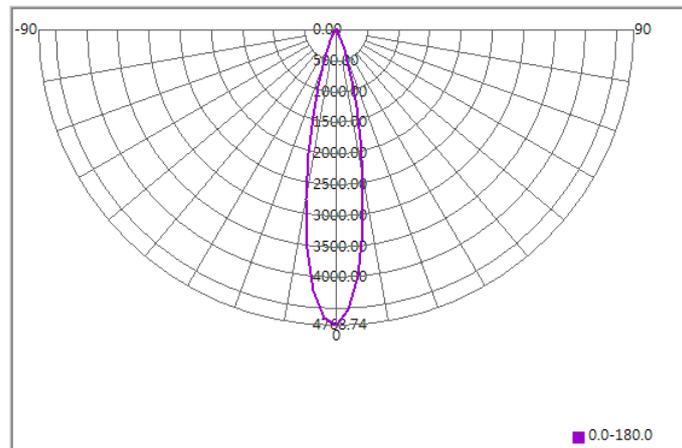




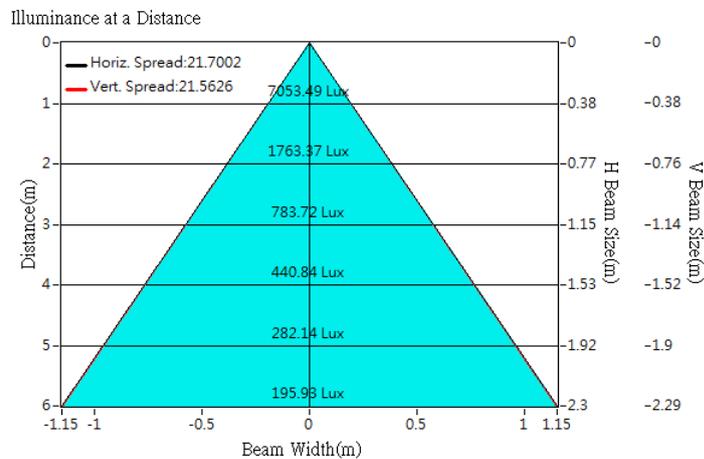
Optical Characteristics

Model Number	CKO-CH17-075041-0303	<p>"H" definition</p>
LED	CMT1412	
LES / LED Size	Φ 9.8 mm	
FWHM (D50)	22°	
Field Angle (D10)	42°	
H (distance)	3.65mm	
Dimension	Φ =75 mm, Thickness=40.6 mm	
Luminous Flux	1479 lm	
Material	PC / UL94V2	

cd/klm

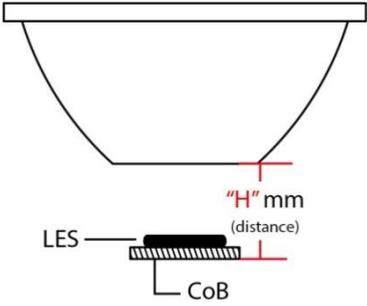


Illuminance At Distances

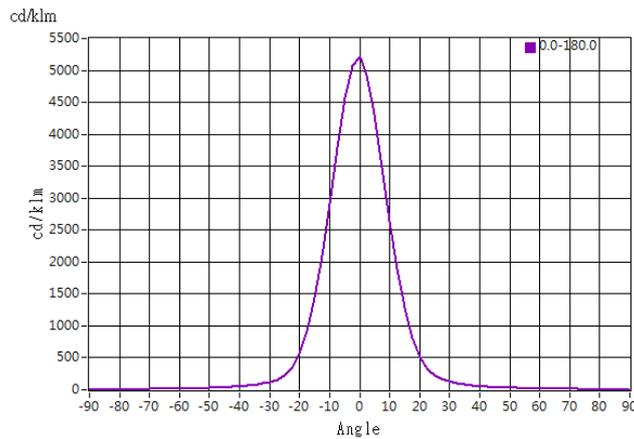




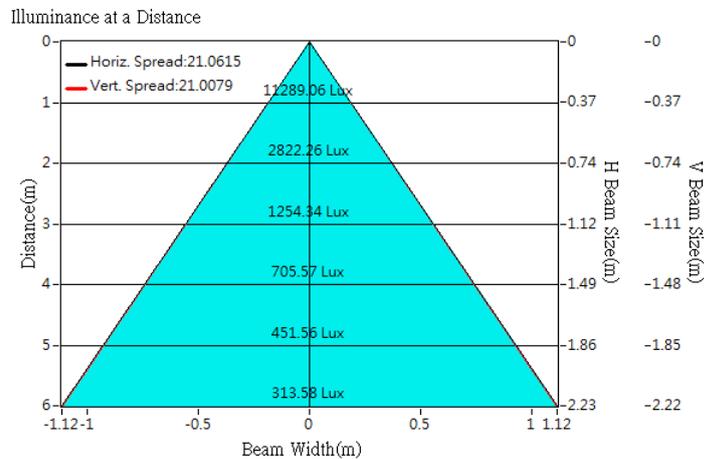
Optical Characteristics

Model Number	CKO-CH17-075041-0303		<p>"H" definition</p> 
LED	CMT1420		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	21°		
Field Angle (D10)	40°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	2164 lm	Measured @ 19 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

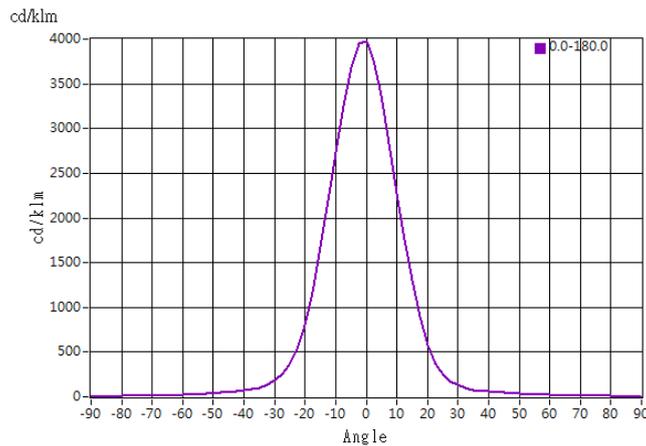




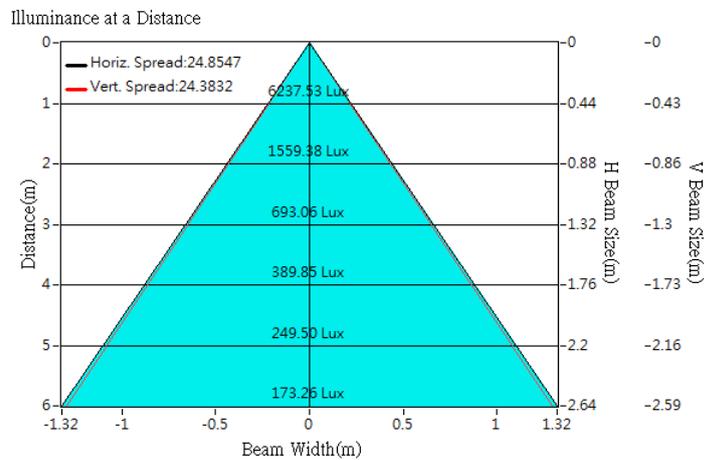
Optical Characteristics

Model Number	CKO-CH17-075041-0303	<p>"H" definition</p>
LED	CXB1820	
LES / LED Size	Φ 12 mm	
FWHM (D50)	25°	
Field Angle (D10)	47°	
H (distance)	3.65mm	
Dimension	Φ =75 mm, Thickness=40.6 mm	
Luminous Flux	1569 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

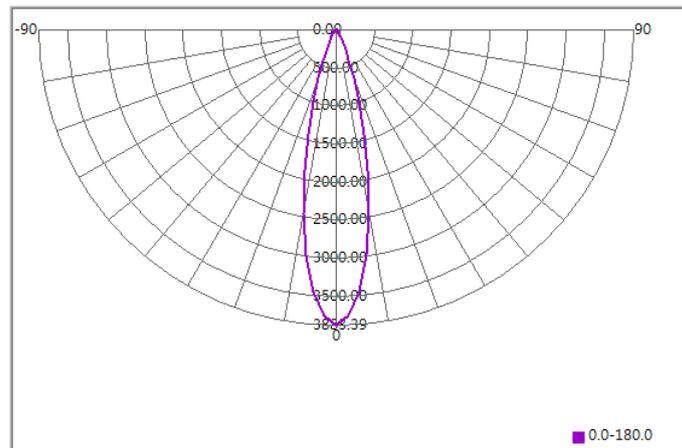




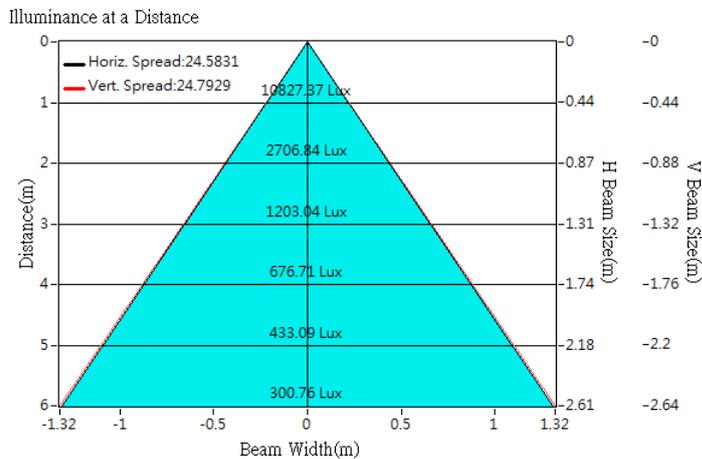
Optical Characteristics

Model Number	CKO-CH17-075041-0303	<p>"H" definition</p> <p>LES CoB</p>	
LED	CMA1825		
LES / LED Size	Φ 12 mm		
FWHM (D50)	25°		
Field Angle (D10)	47°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	2788 lm		Measured @ 24.8 W
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

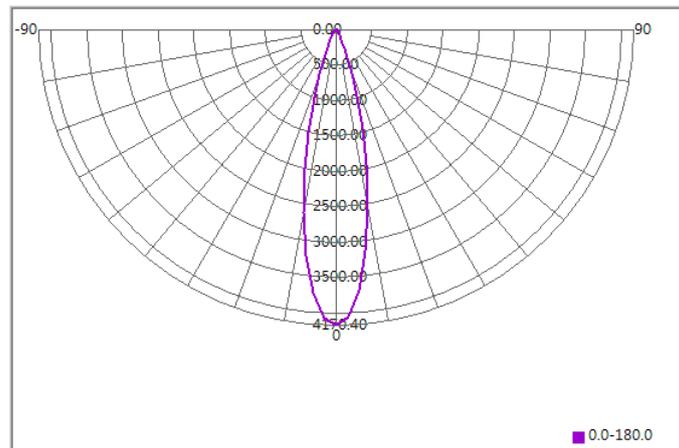




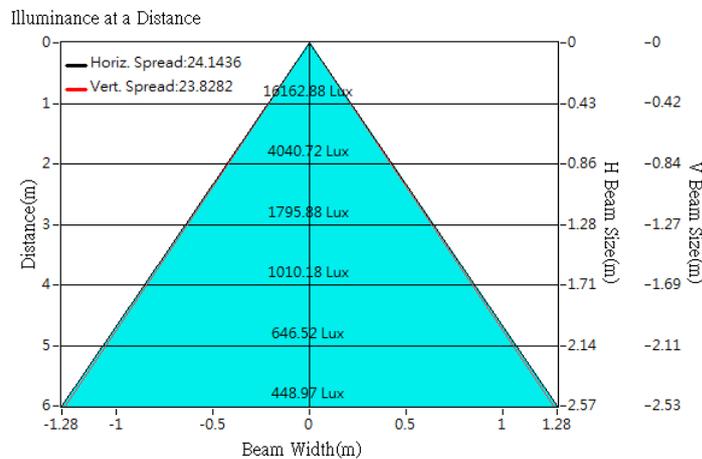
Optical Characteristics

Model Number	CKO-CH17-075041-0303	<p>"H" definition</p> <p>LES CoB "H" mm (distance)</p>
LED	CXA1850	
LES / LED Size	Φ 12 mm	
FWHM (D50)	24°	
Field Angle (D10)	45°	
H (distance)	3.65mm	
Dimension	Φ =75 mm, Thickness=40.6 mm	
Luminous Flux	3875 lm Measured @ 47.8 W	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

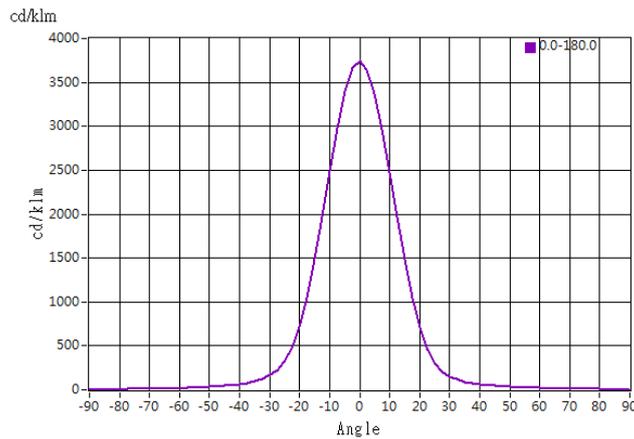




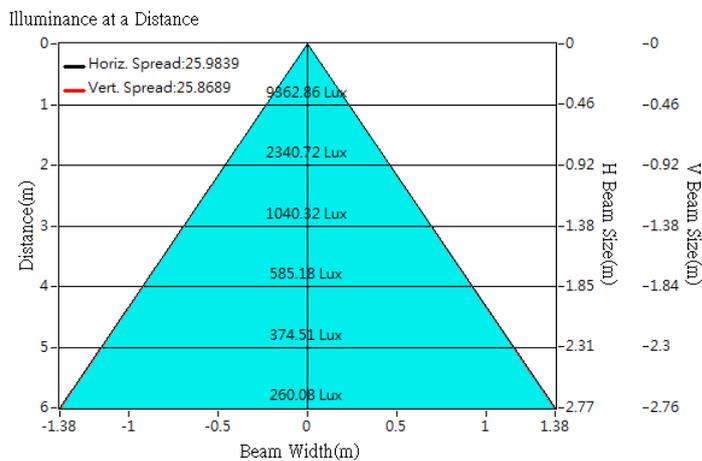
Optical Characteristics

Model Number	CKO-CH17-075041-0303		<p>"H" definition</p> <p>LES CoB</p>
LED	CXA1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	26°		
Field Angle (D10)	48°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	2501 lm	Measured @ 27.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

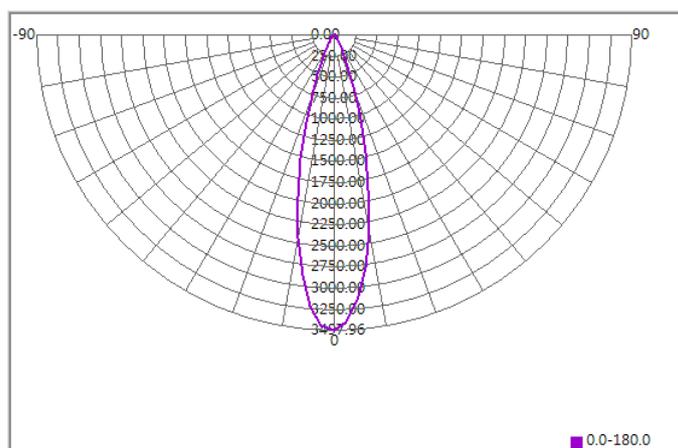




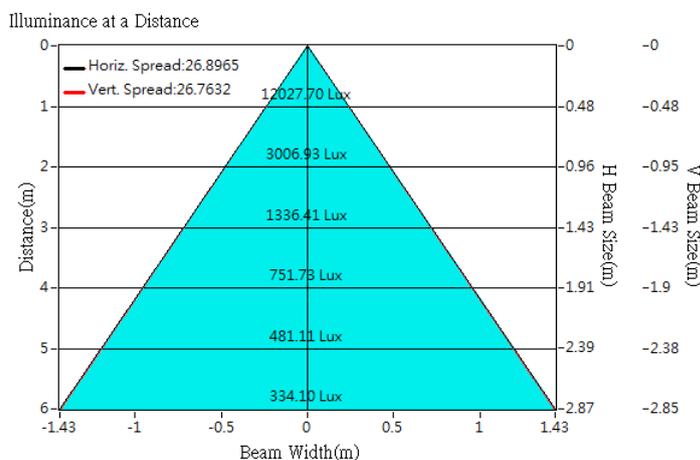
Optical Characteristics

Model Number	CKO-CH17-075041-0303		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	27°		
Field Angle (D10)	49°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	3438 lm	Measured @ 28.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

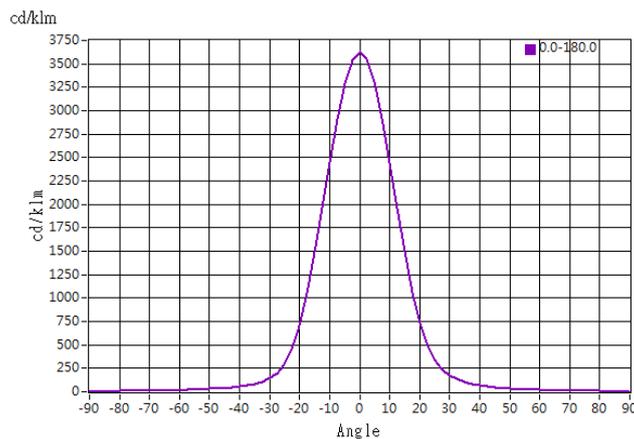




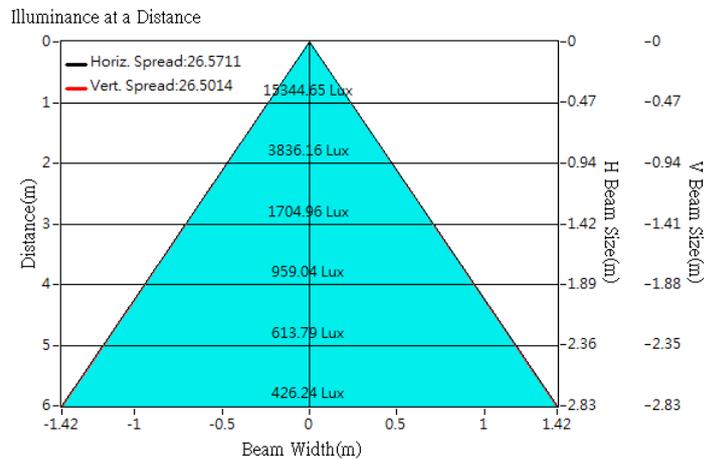
Optical Characteristics

Model Number	CKO-CH17-075041-0303		<p>"H" definition</p>
LED	CMA1840		
LES / LED Size	Φ 14 mm		
FWHM (D50)	27°		
Field Angle (D10)	49°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	4232 lm	Measured @ 38.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

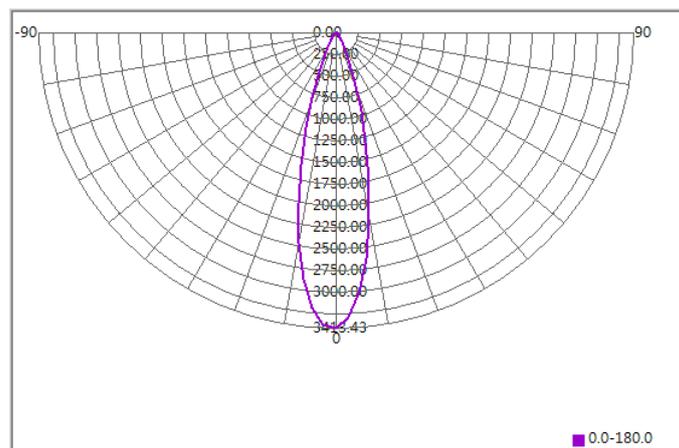




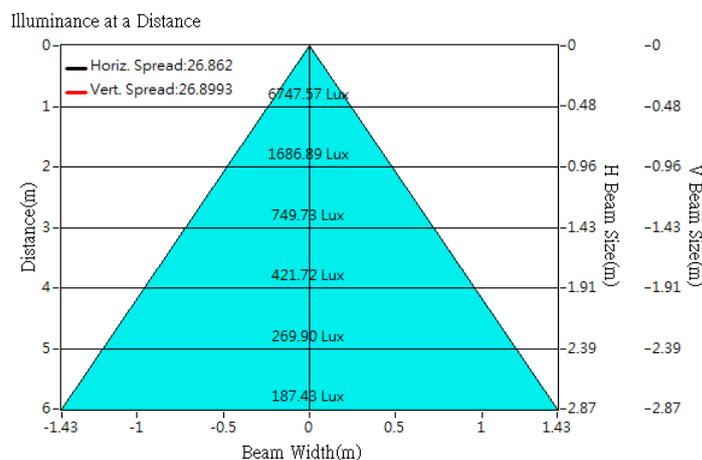
Optical Characteristics

Model Number	CKO-CH17-075041-0303	<p>"H" definition</p> <p>LES CoB</p>	
LED	CMT1922		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	27°		
Field Angle (D10)	50°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	1976 lm		Measured @ 15.9 W
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

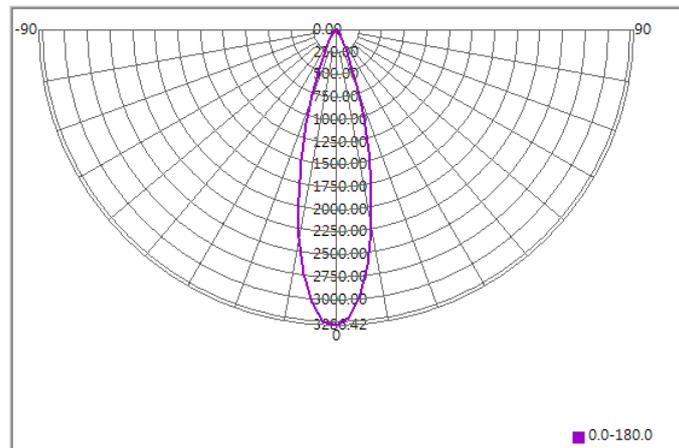




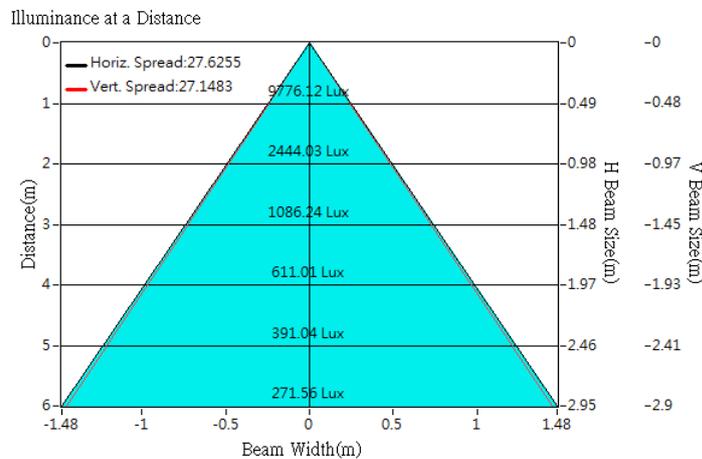
Optical Characteristics

Model Number	CKO-CH17-075041-0303		<p>"H" definition</p>
LED	CMT1925		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	28°		
Field Angle (D10)	50°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	2974 lm	Measured @ 25.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

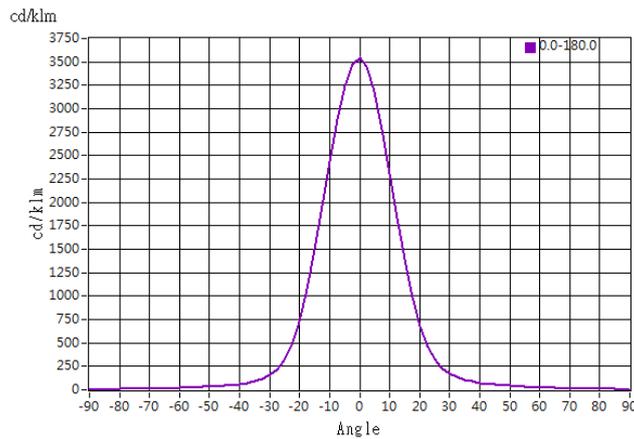




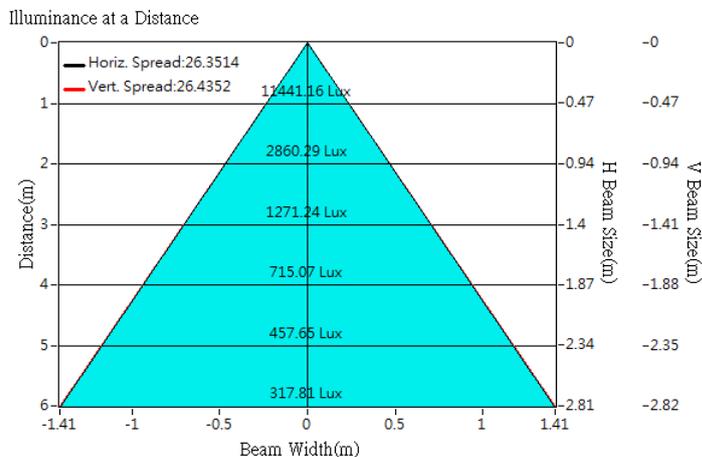
Optical Characteristics

Model Number	CKO-CH17-075041-0303		<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1930		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	26°		
Field Angle (D10)	49°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	3227 lm	Measured @ 28.9 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

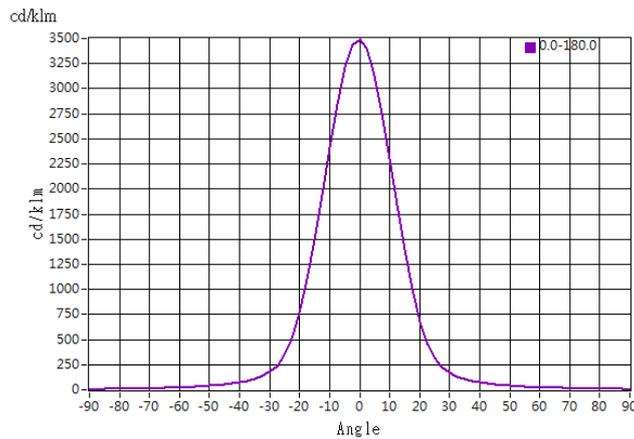




Optical Characteristics

Model Number	CKO-CH17-075041-0303		<p>"H" definition</p>
LED	CMT1945		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	27°		
Field Angle (D10)	49°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	4730 lm	Measured @ 43.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

