



Product Model Number

CKO-CH15-045021-1607

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

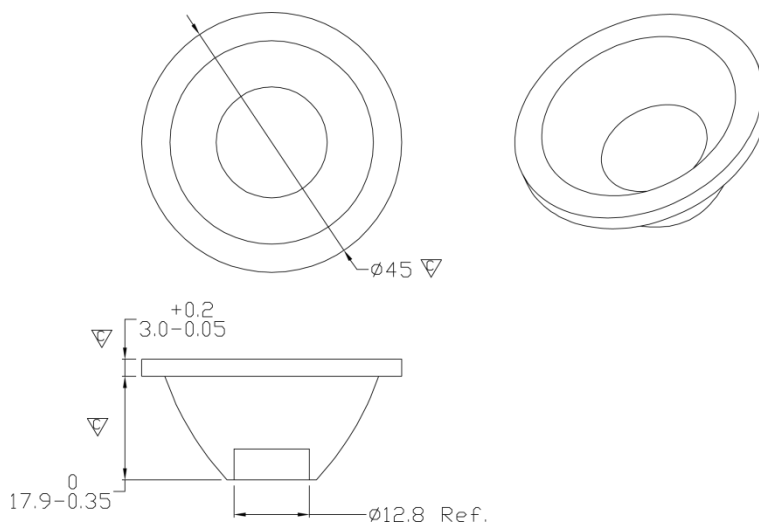


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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.

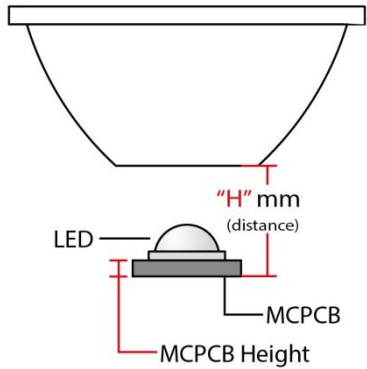
✓ Dimensions (mm) : Φ45 x 20.9



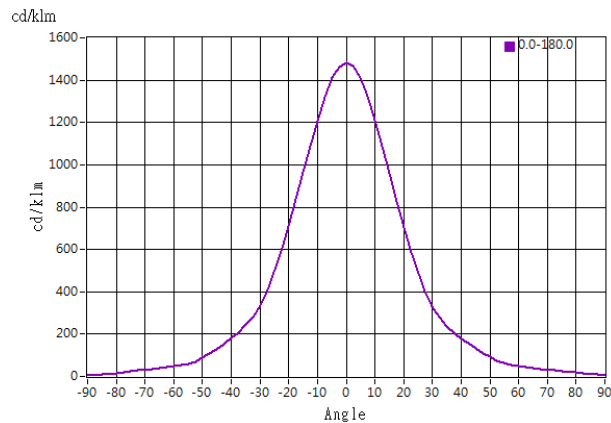
▽:Critical Dimension



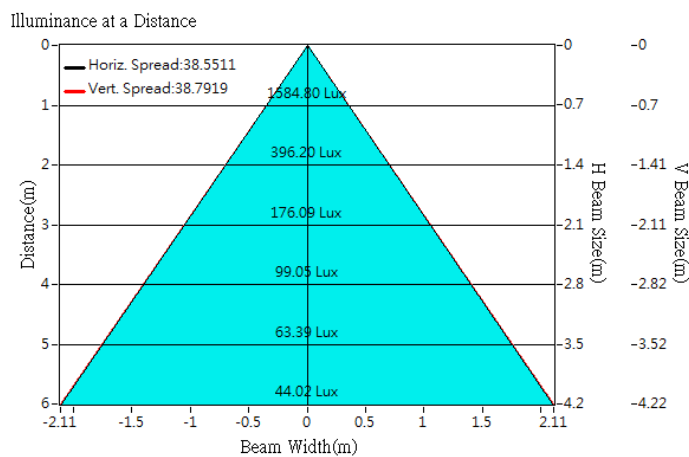
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p> 
LED	MHD-G		
LES / LED Size	7.0 x 7.0		
FWHM (D50)	39°		
Field Angle (D10)	86°		
H (distance)	2.5 mm		
MCPCB Height	1.1 mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1070 lm	Measured @ 12.9 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

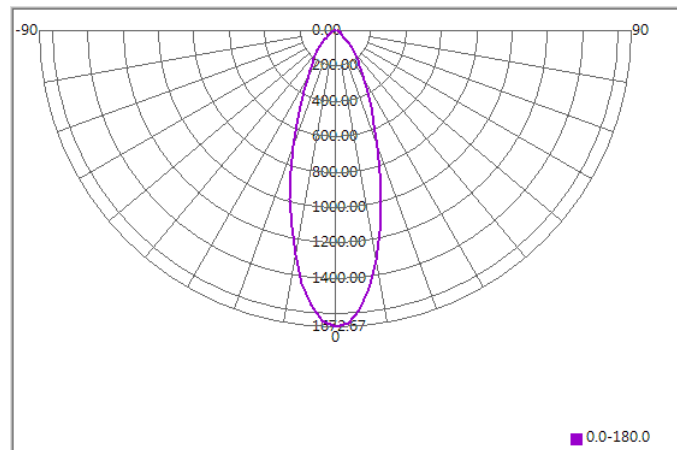




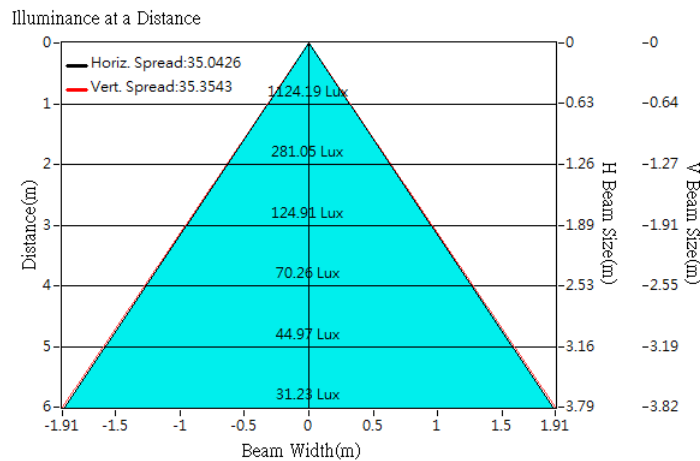
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p> <p>LES CoB</p>
LED	CMA1303		
LES / LED Size	Φ 4.5 mm		
FWHM (D50)	35°		
Field Angle (D10)	81°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	672 lm	Measured @ 6.73 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

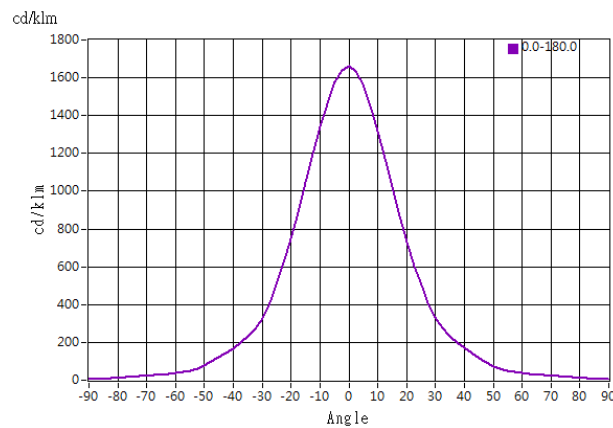




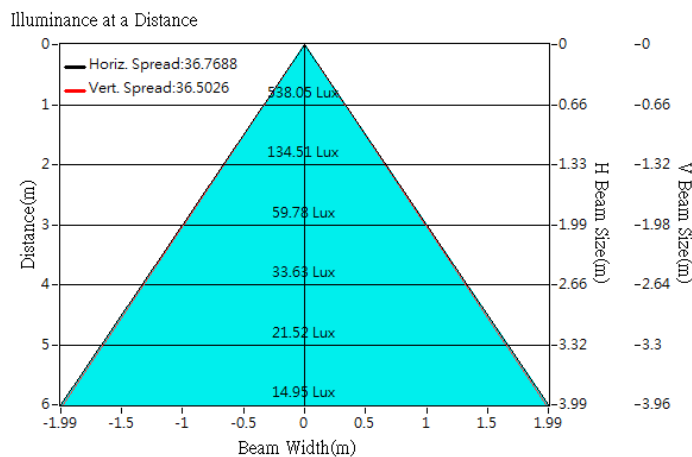
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p>
LED	CXA 1304		
LES / LED Size	Φ 6 mm		
FWHM (D50)	37°		
Field Angle (D10)	80°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	324 lm	Measured @ 3.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

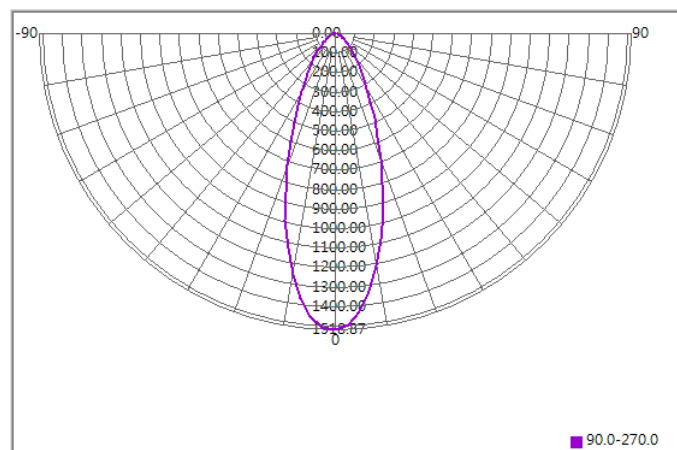




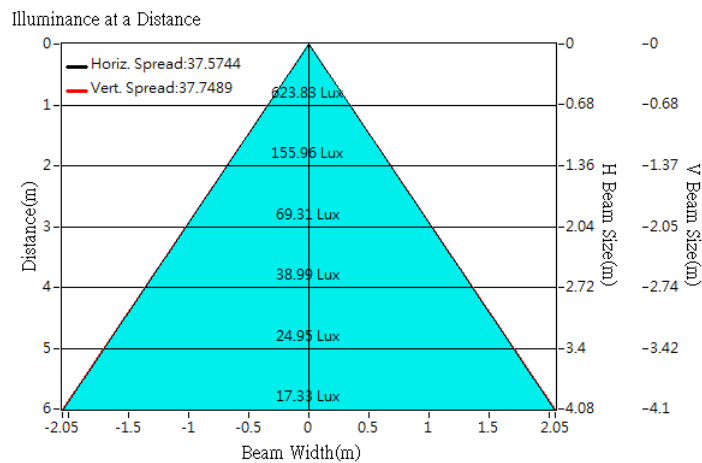
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p>
LED	CXB1304		
LES / LED Size	Φ 6 mm		
FWHM (D50)	38°		
Field Angle (D10)	86°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	410 lm	Measured @ 3.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

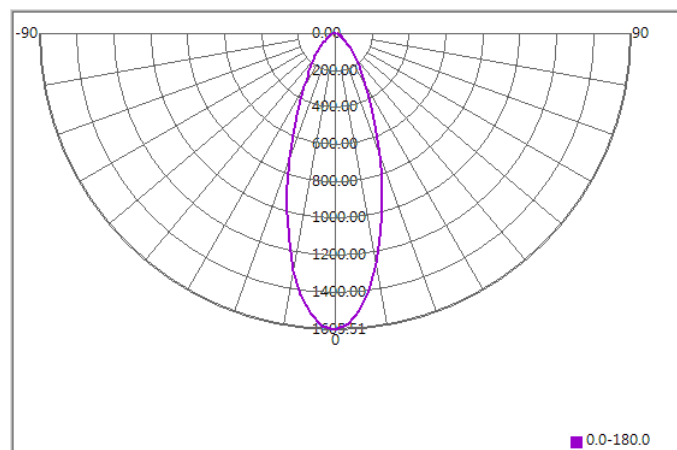




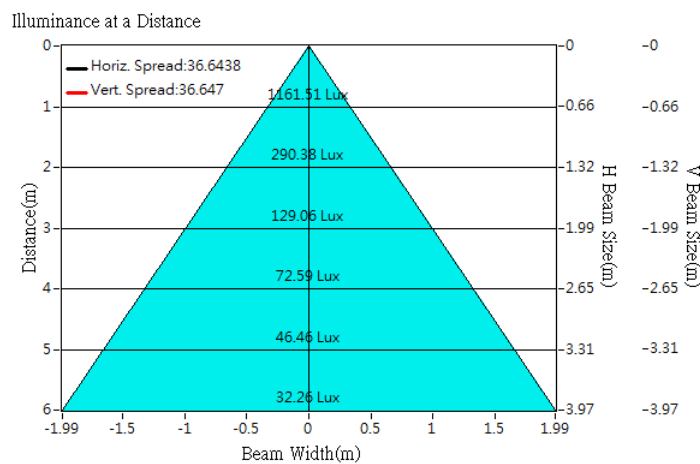
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p> <p>LES CoB</p>
LED	CMA1306		
LES / LED Size	Φ 6 mm		
FWHM (D50)	37°		
Field Angle (D10)	85°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	723 lm	Measured @ 6.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

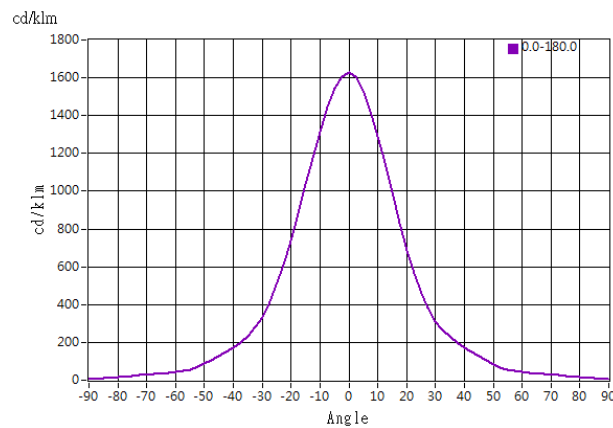




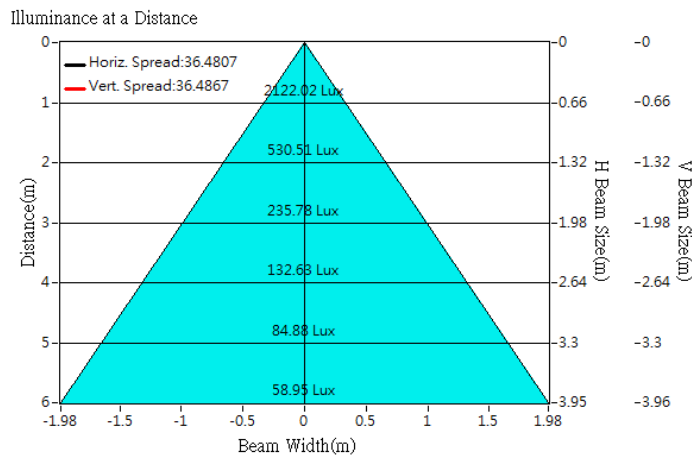
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p>
LED	CXB 1310		
LES / LED Size	Φ 6 mm		
FWHM (D50)	36°		
Field Angle (D10)	82°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1303 lm	Measured @ 11.9 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

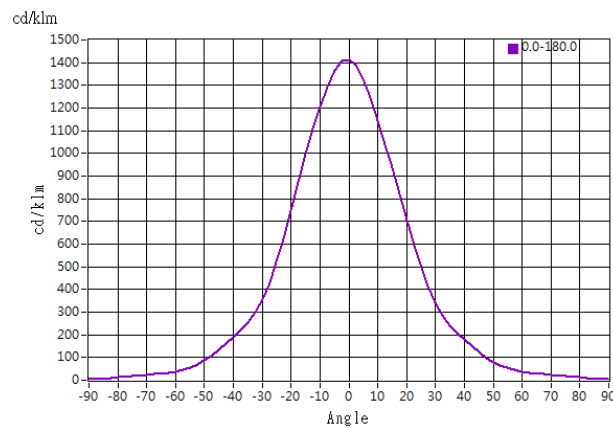




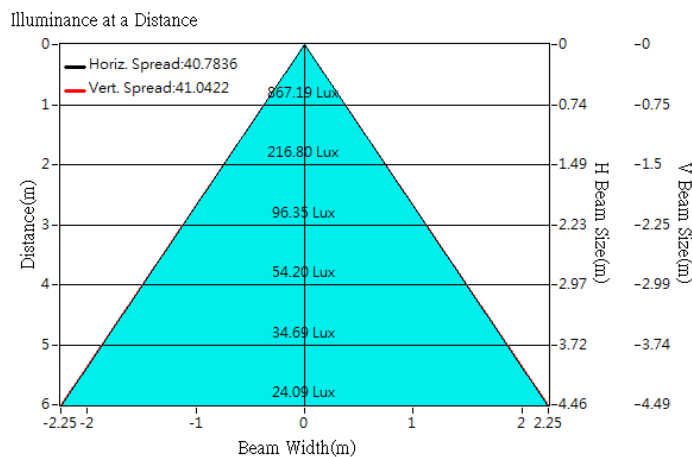
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p>
LED	CXA 1507		
LES / LED Size	Φ 9 mm		
FWHM (D50)	41°		
Field Angle (D10)	88°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	614 lm	Measured @ 7.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

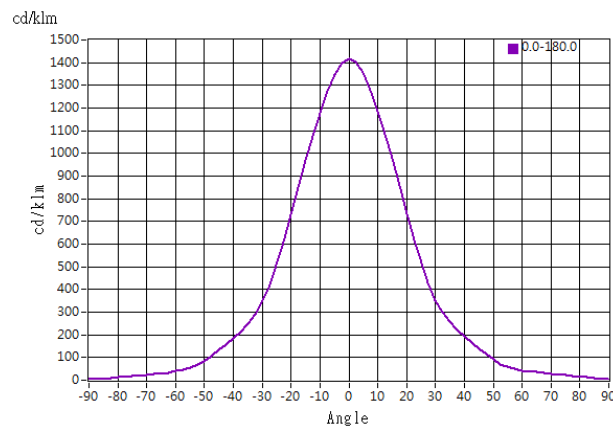




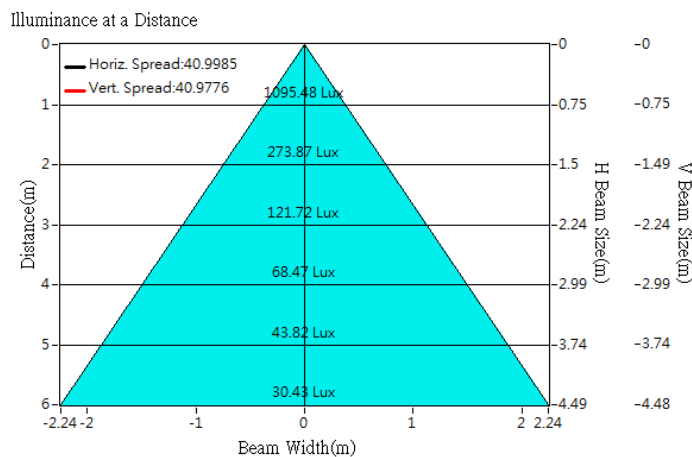
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p>
LED	CXB 1507		
LES / LED Size	Φ 9 mm		
FWHM (D50)	41°		
Field Angle (D10)	89°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	773 lm	Measured @ 7.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

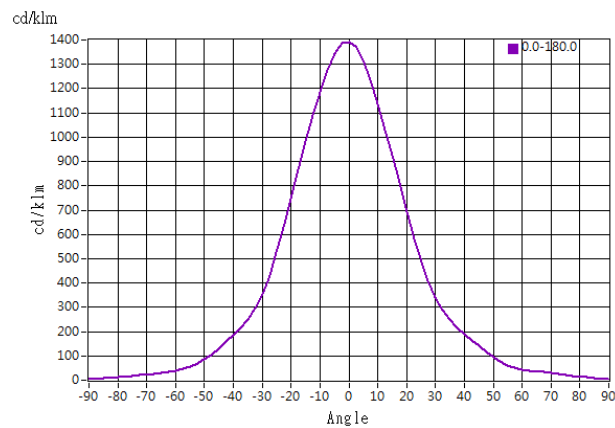




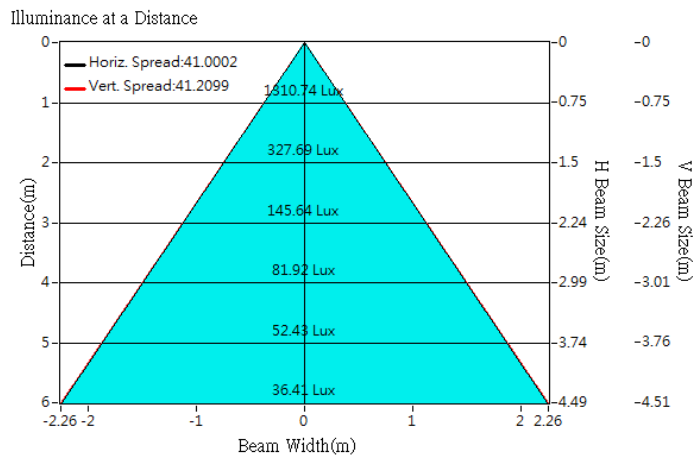
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p>
LED	CXA 1510		
LES / LED Size	Φ 9 mm		
FWHM (D50)	41°		
Field Angle (D10)	89°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	942 lm	Measured @ 9.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

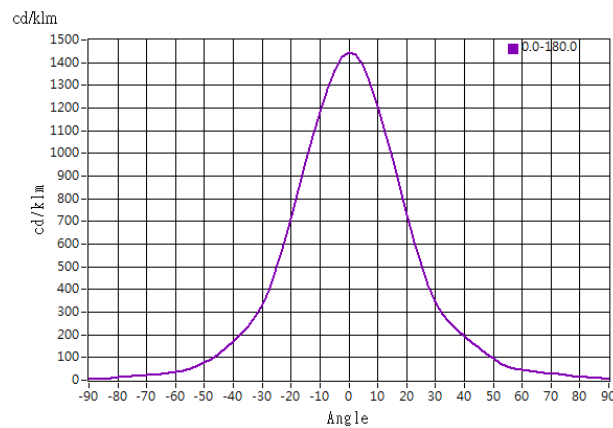




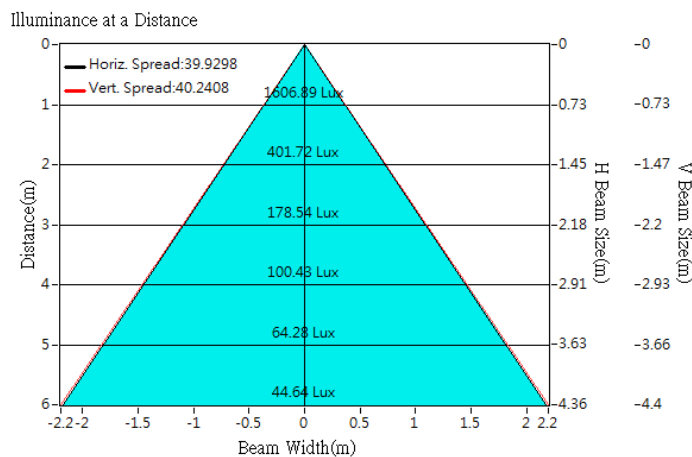
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p>
LED	CXA 1512		
LES / LED Size	Φ 9 mm		
FWHM (D50)	40°		
Field Angle (D10)	87°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1112 lm	Measured @ 13.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

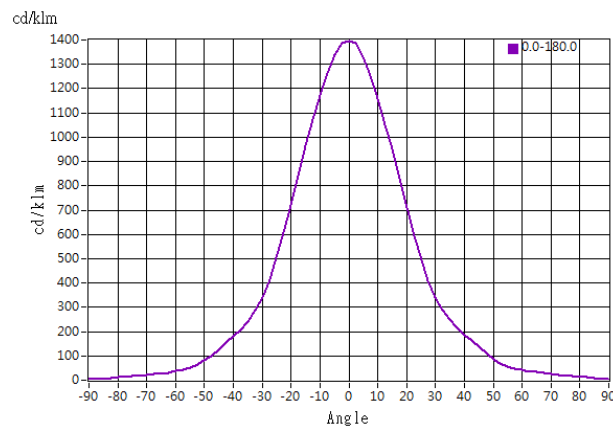




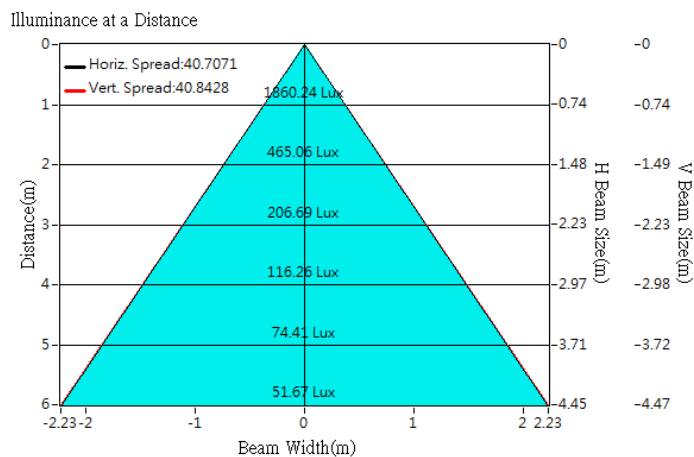
Optical Characteristics

Model Number	CKO-CH15-045021-1607	<p>"H" definition</p>
LED	CXB 1512	
LES / LED Size	Φ 9 mm	
FWHM (D50)	41°	
Field Angle (D10)	89°	
H (distance)	2.5mm	
Dimension	Φ =45 mm, Thickness=20.9 mm	
Luminous Flux	1333 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

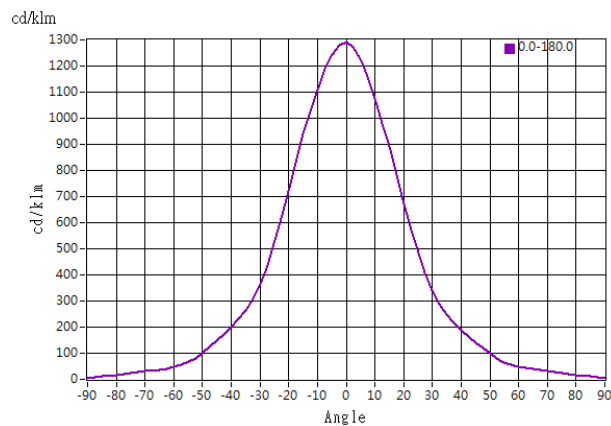




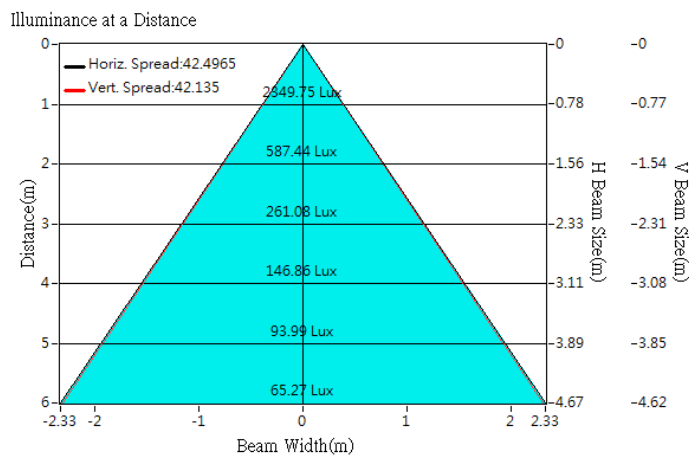
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p>
LED	CMA 1516		
LES / LED Size	Φ 9 mm		
FWHM (D50)	43°		
Field Angle (D10)	93°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1821 lm	Measured @ 15.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

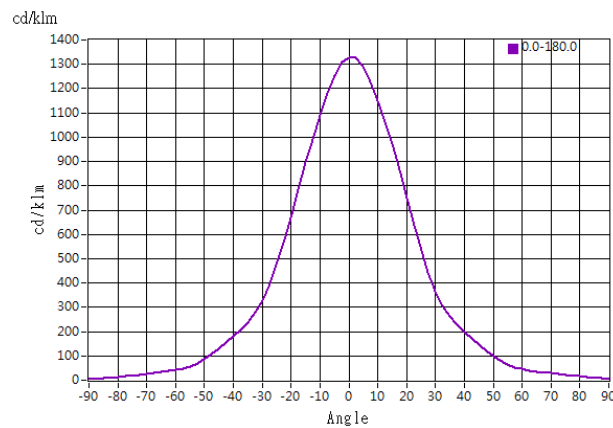




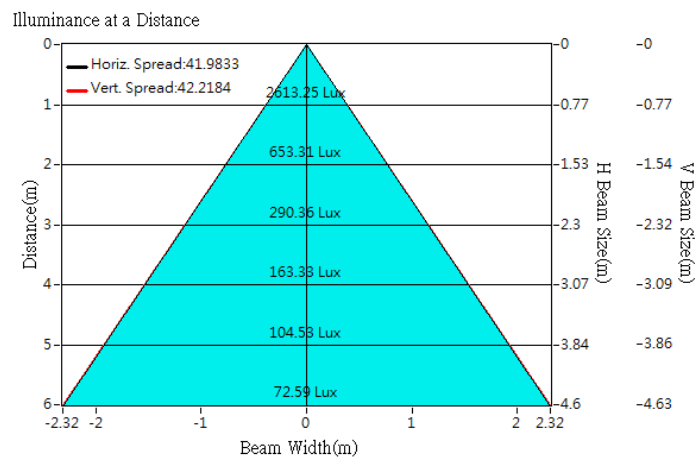
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p>
LED	CXB 1520		
LES / LED Size	Φ 9 mm		
FWHM (D50)	42°		
Field Angle (D10)	91°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1967 lm	Measured @ 16.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

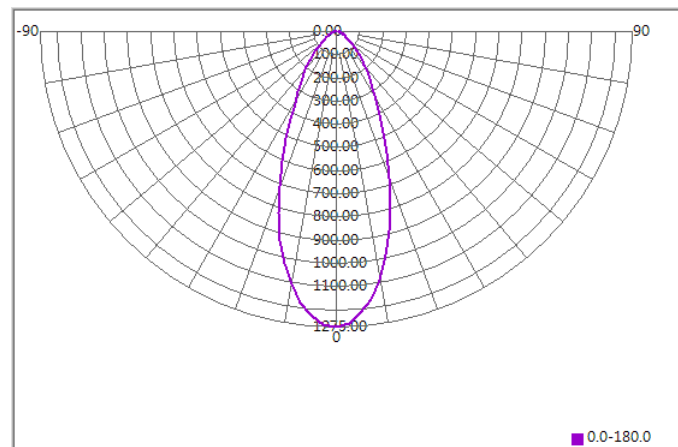




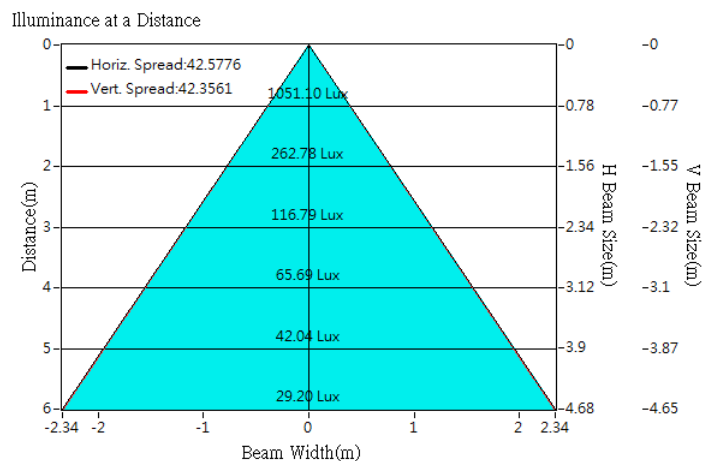
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1407		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	43°		
Field Angle (D10)	93°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	824 lm	Measured @ 6.9 W	
Material	PC / UL94V2		

cd/klm

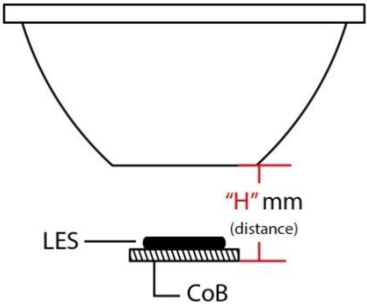


Illuminance At Distances

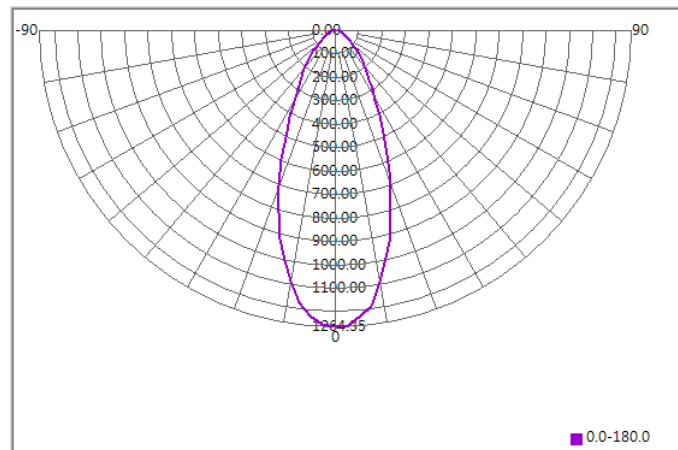




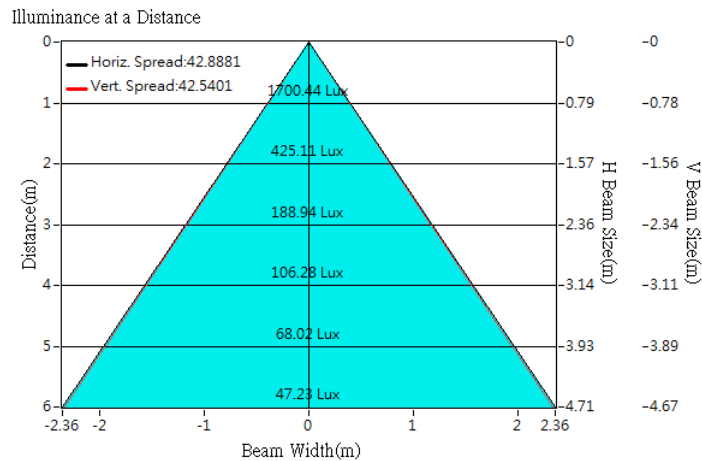
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p> 
LED	CMT1412		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	43°		
Field Angle (D10)	95°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1344 lm	Measured @ 12.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

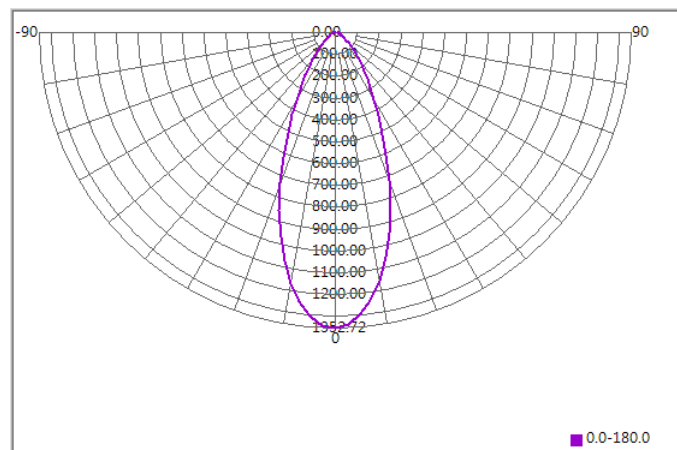




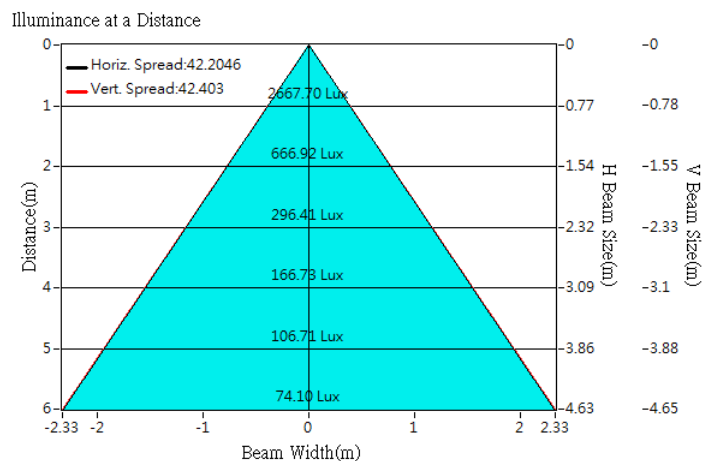
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p> <p>LES CoB</p>
LED	CMT1420		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	42°		
Field Angle (D10)	87°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1972 lm	Measured @ 19 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

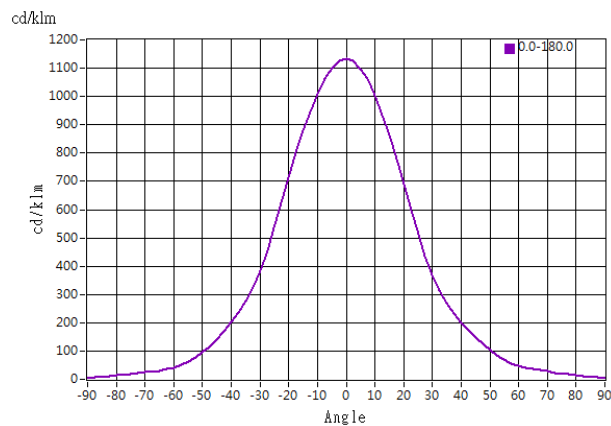




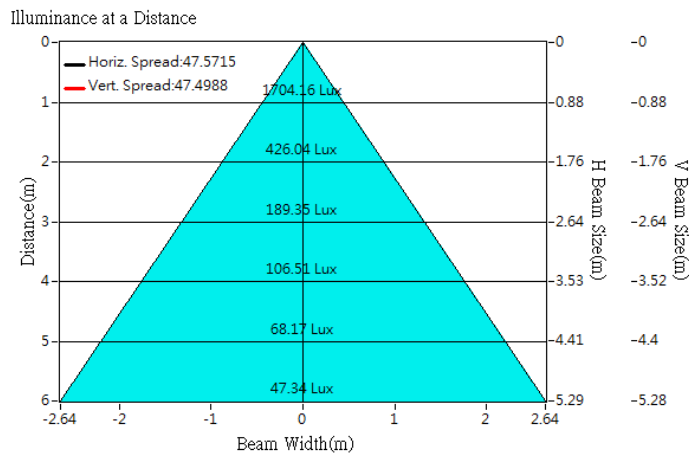
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p>
LED	CXA 1816		
LES / LED Size	Φ 12 mm		
FWHM (D50)	48°		
Field Angle (D10)	97°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1505 lm	Measured @ 16.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

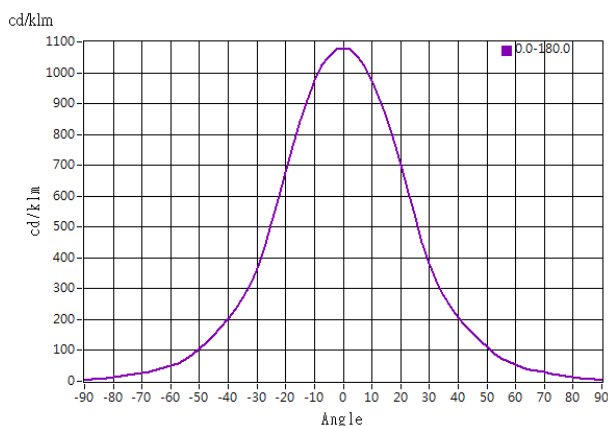




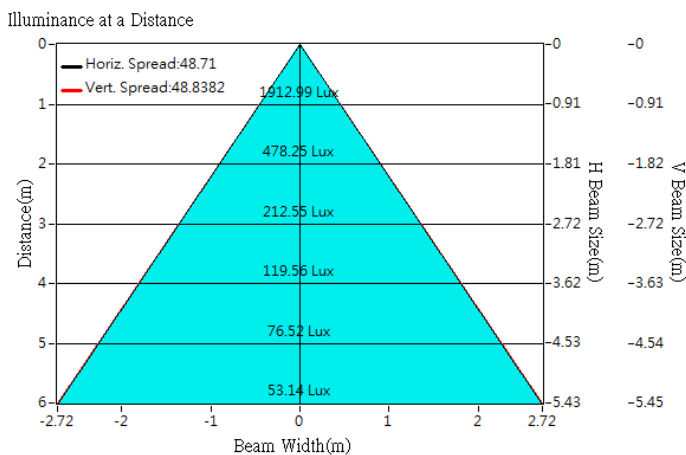
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p>
LED	CXB 1816		
LES / LED Size	Φ 12 mm		
FWHM (D50)	49°		
Field Angle (D10)	100°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1773 lm	Measured @ 15.9 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

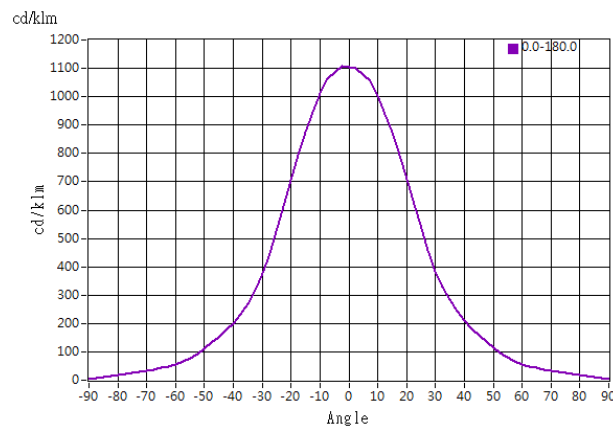




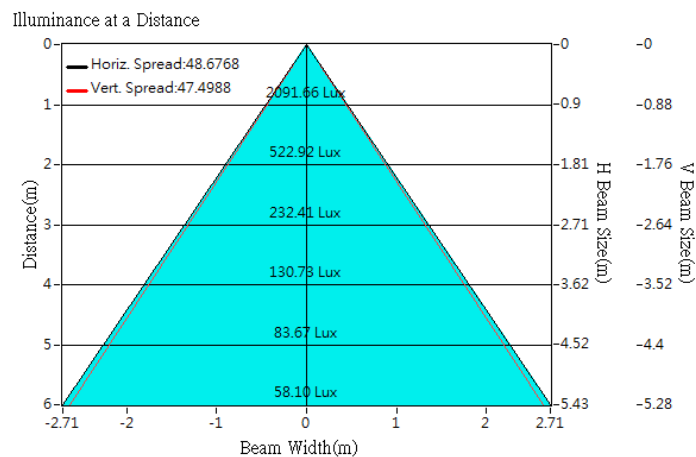
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p>
LED	CXA 1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	49°		
Field Angle (D10)	101°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	1892 lm	Measured @ 20.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

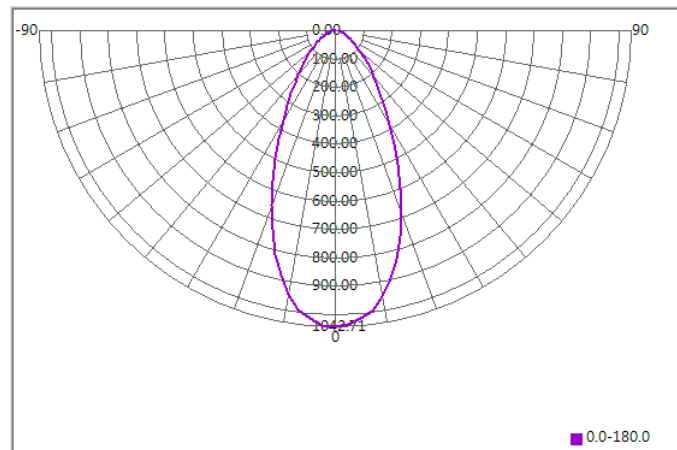




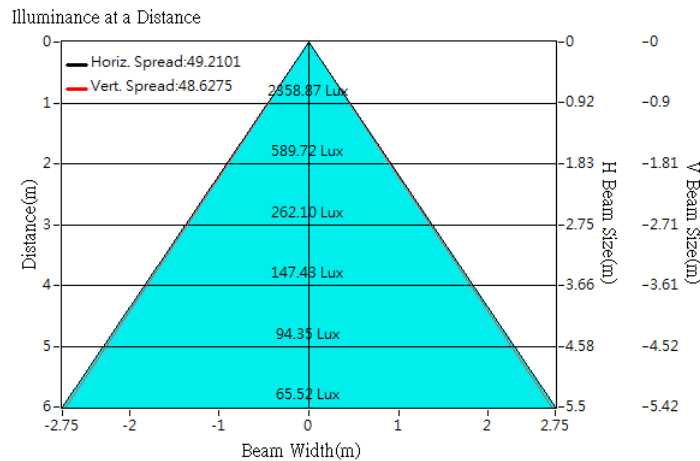
Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	49°		
Field Angle (D10)	103°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	2262 lm	Measured @ 19.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

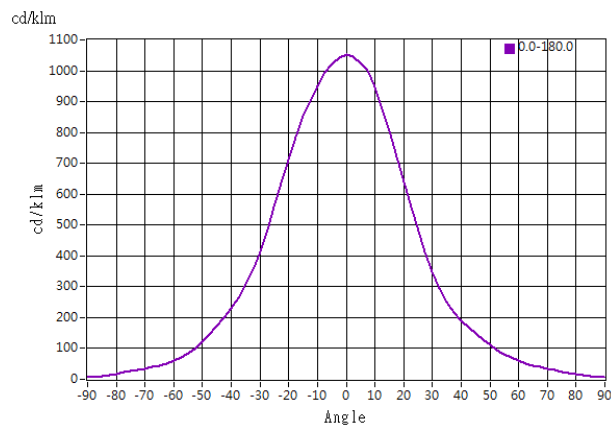




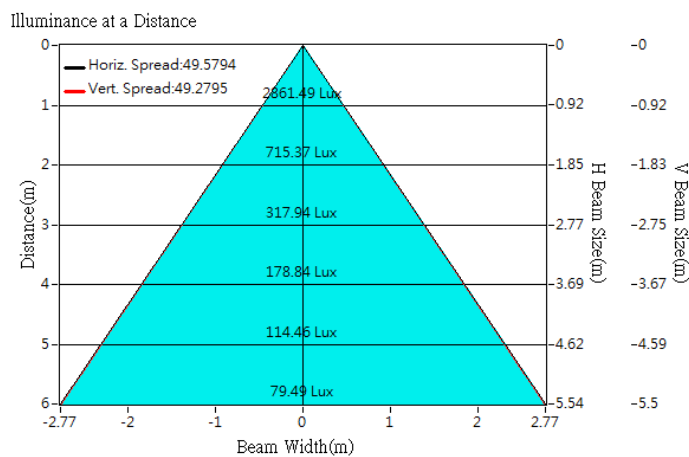
Optical Characteristics

Model Number	CKO-CH15-045021-1607	<p>"H" definition</p>
LED	CMA 1825	
LES / LED Size	Φ 12 mm	
FWHM (D50)	50°	
Field Angle (D10)	103°	
H (distance)	2.5mm	
Dimension	Φ =45 mm, Thickness=20.9 mm	
Luminous Flux	2716 lm	
Material	PC / UL94V2	

cd/klm



Illuminance At Distances

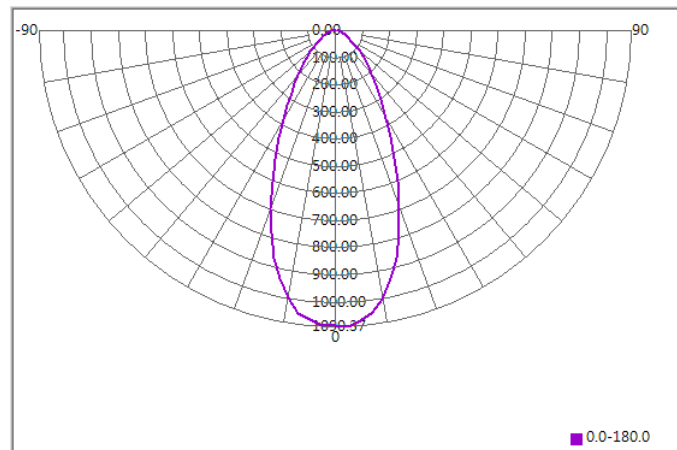




Optical Characteristics

Model Number	CKO-CH15-045021-1607		<p>"H" definition</p>
LED	CXA1850		
LES / LED Size	Φ 12 mm		
FWHM (D50)	49°		
Field Angle (D10)	103°		
H (distance)	2.5mm		
Dimension	Φ =45 mm, Thickness=20.9 mm		
Luminous Flux	3551 lm	Measured @ 48 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

