



## Product Model Number

CKO-CC20-075026-0450

### ✓ Model Number Definitions

**CKO-XXXX-XXXXXX-XXXX**

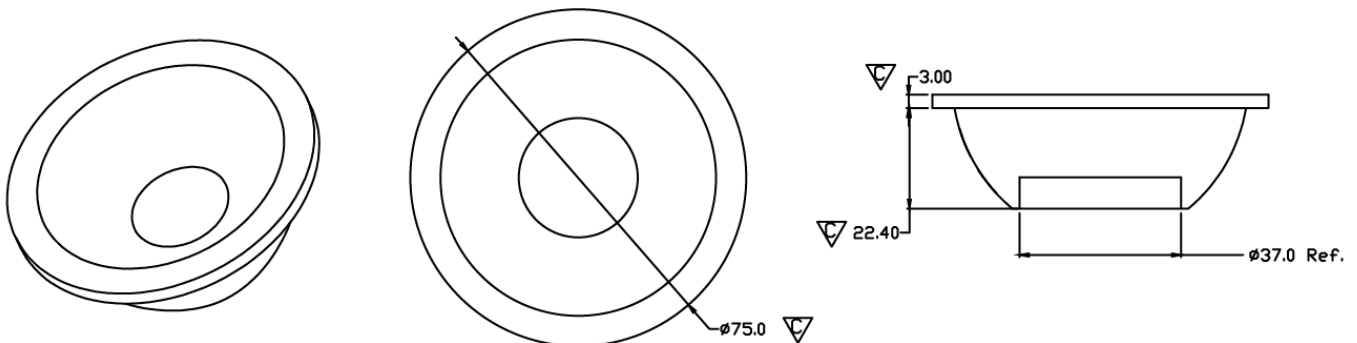


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation  
Ex:  
CH→CoB High Intensity  
CC→CoB Compact  
CS→Soft Shading for CoB LED  
HC→Holder for CoB LED

- 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) : Φ75 x 25.4



▽:Critical Dimension



✓ Optical Characteristics – Angle Performances

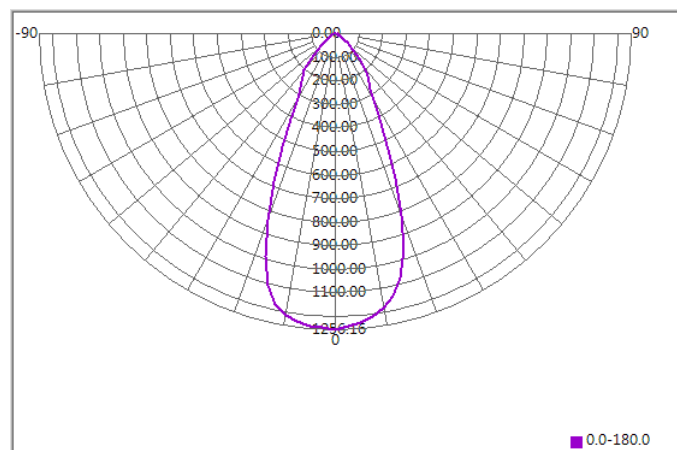
Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
CXB1520	Φ9	46°	91°
CMT1407	Φ9.8	45°	88°
CMT1412	Φ9.8	47°	91°
CXA1816	Φ12	48°	91°
CXB1816	Φ12	48°	91°
CXA1820	Φ12	48°	92°
CXB1820	Φ12	49°	92°
CMA1825	Φ12	47°	90°
CXA1830	Φ14	48°	91°
CXB1830	Φ14	50°	93°
CMA1840	Φ14	47°	91°
CMT1922	Φ14.5	45°	88°
CMT1925	Φ14.5	46°	89°
CMT1930	Φ14.5	45°	88°
CMT1945	Φ14.5	45°	88°
CXA2520	Φ19	48°	90°
CXA2530	Φ19	47°	89°
CXB2530	Φ19	47°	89°
CXA2540	Φ19	48°	89°
CXB2540	Φ19	48°	90°



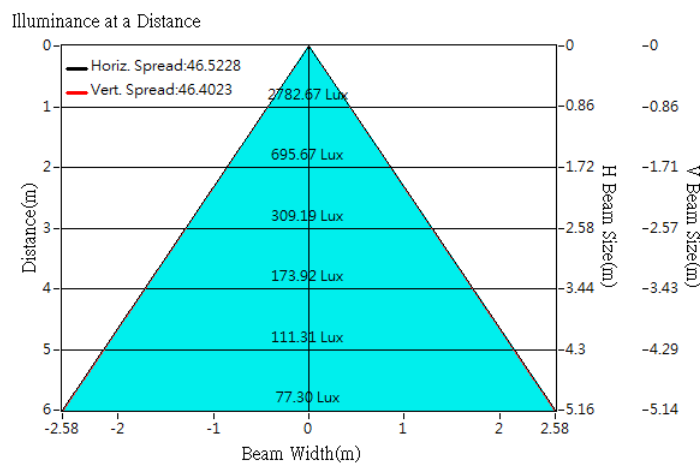
## Optical Characteristics

Model Number	CKO-CC20-075026-0450	<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CXB1520</b>	
LES / LED Size	Φ 9 mm	
FWHM (D50)	46°	
Field Angle (D10)	91°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	2215 lm	
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

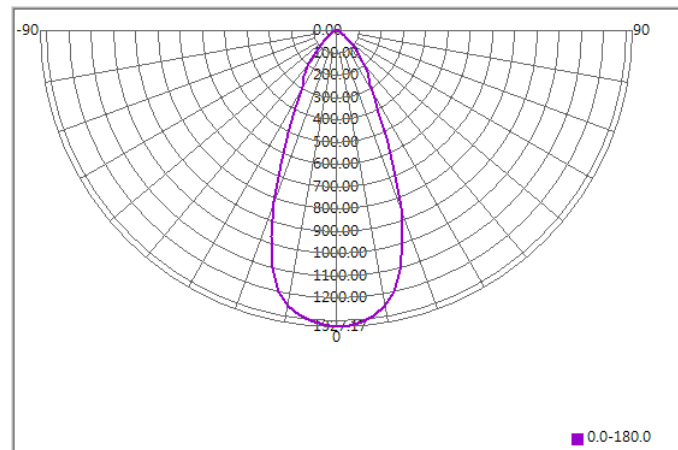




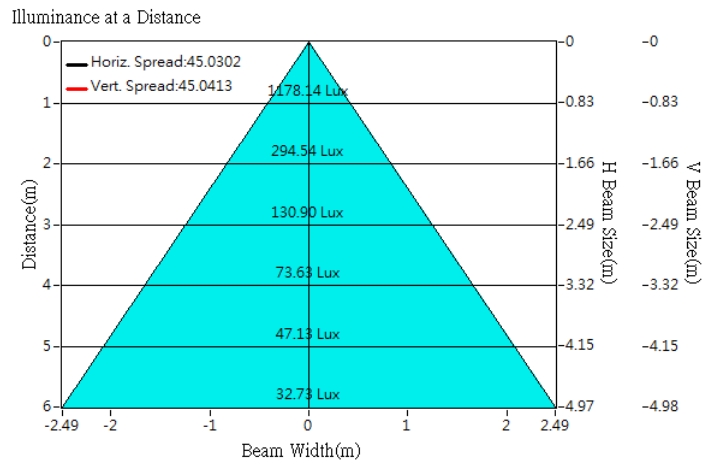
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CMT1407</b>		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	45°		
Field Angle (D10)	88°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	887 lm	Measured @ 7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

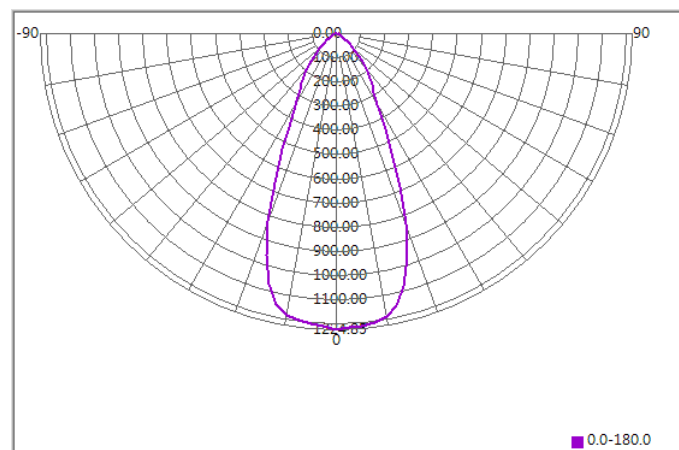




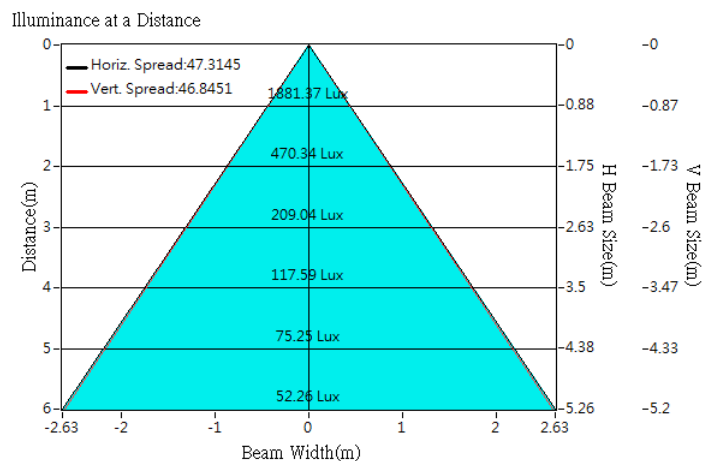
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CMT1412</b>		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	47°		
Field Angle (D10)	91°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1536 lm	Measured @ 12.7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

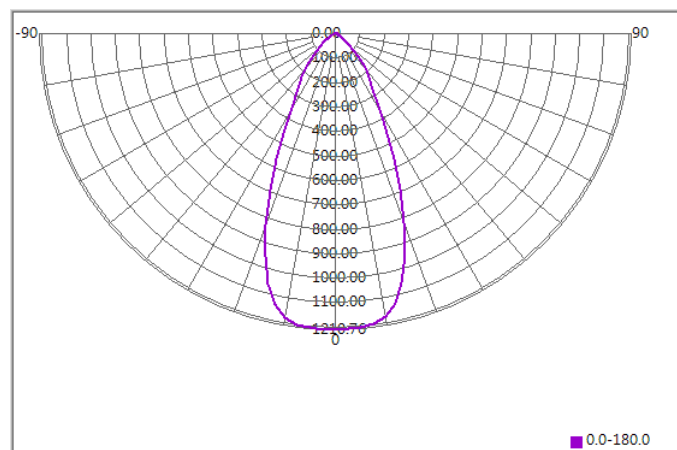




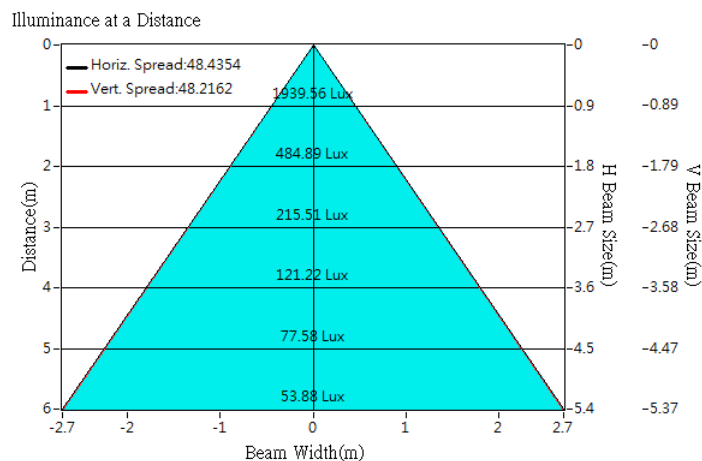
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CXA1816</b>		
LES / LED Size	Φ 12 mm		
FWHM (D50)	48°		
Field Angle (D10)	91°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1601 lm	Measured @ 16.6 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

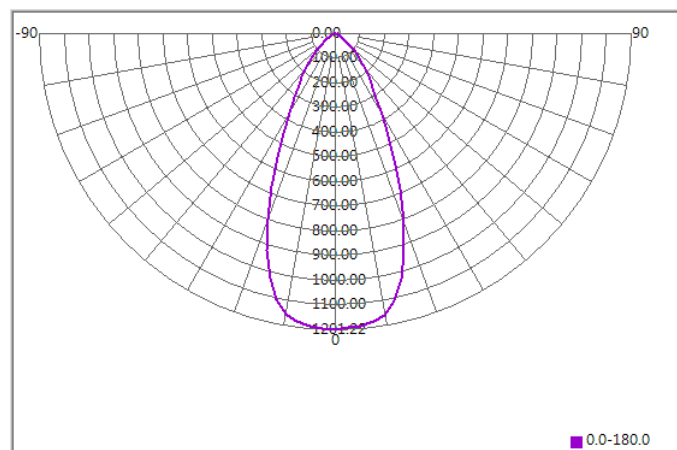




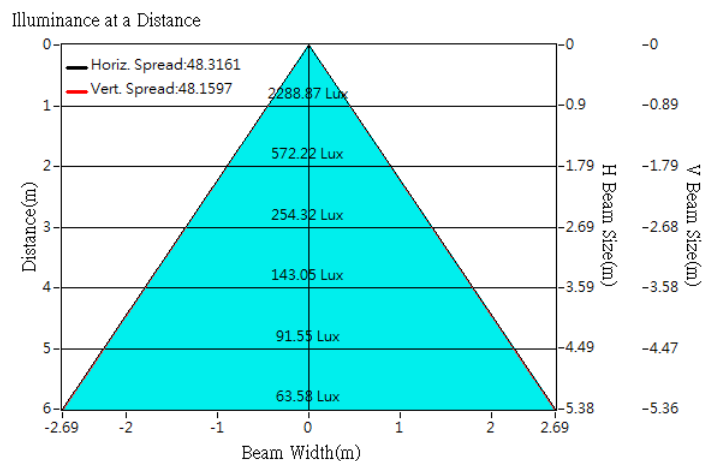
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p>
LED	<b>CXB1816</b>		
LES / LED Size	Φ 12 mm		
FWHM (D50)	48°		
Field Angle (D10)	91°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1905 lm	Measured @ 15.7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

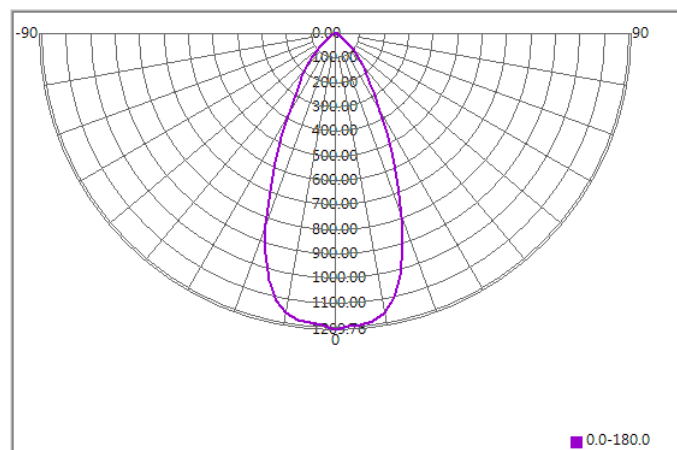




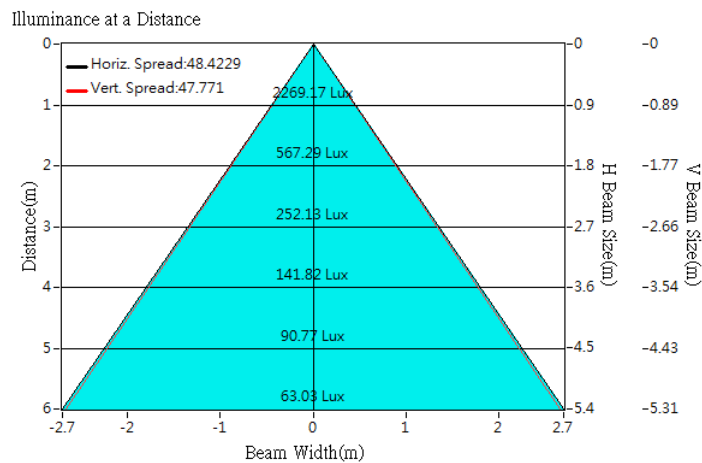
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p>
LED	<b>CXA1820</b>		
LES / LED Size	Φ 12 mm		
FWHM (D50)	49°		
Field Angle (D10)	92°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1875 lm	Measured @ 19.7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

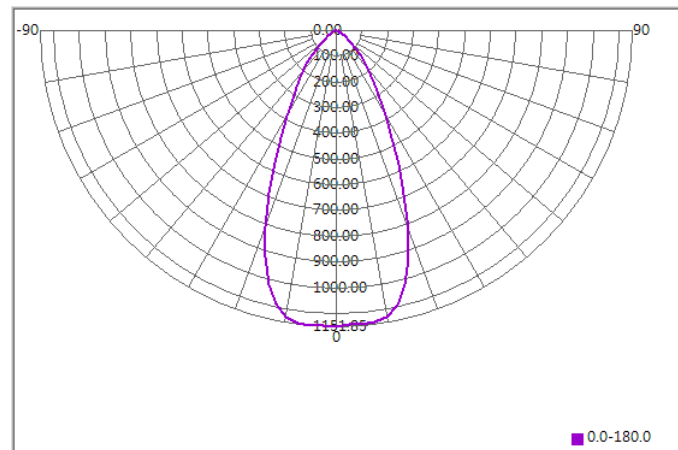




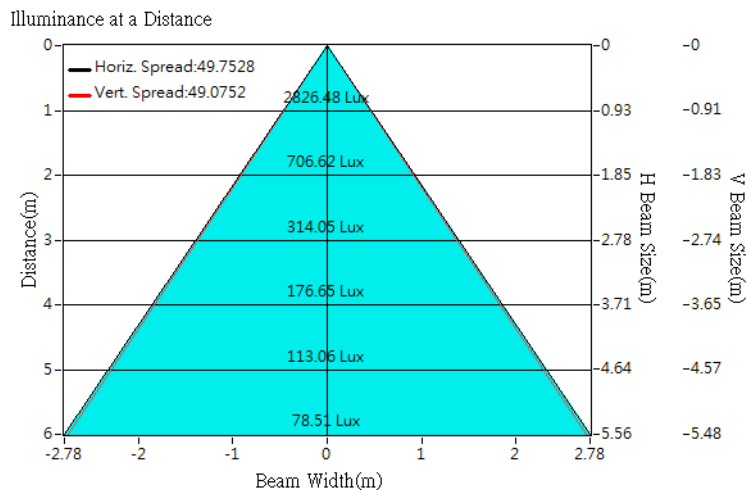
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p>
LED	<b>CXB1820</b>		
LES / LED Size	Φ 12 mm		
FWHM (D50)	49°		
Field Angle (D10)	92°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2454 lm	Measured @ 19.2 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

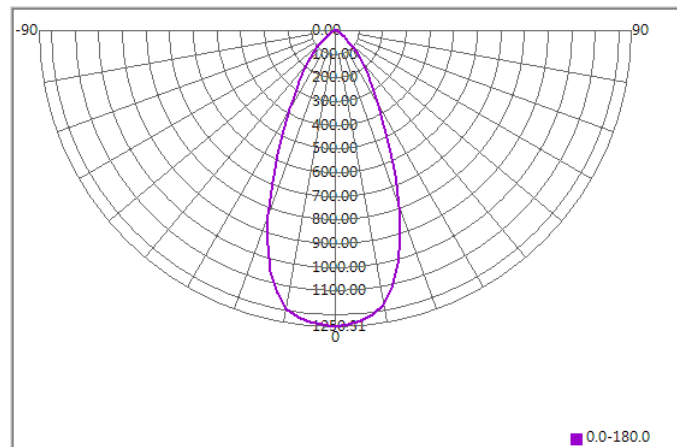




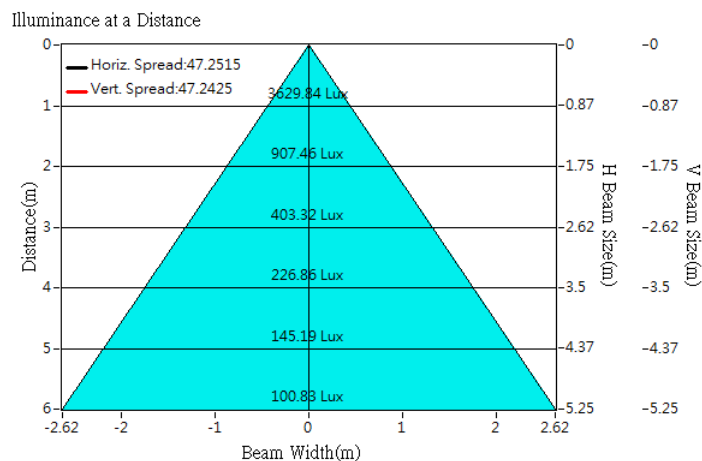
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p>
LED	<b>CMA1825</b>		
LES / LED Size	Φ 12 mm		
FWHM (D50)	47°		
Field Angle (D10)	90°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2903 lm	Measured @ 25 W	
Material	PC / UL94V2		

## cd/klm

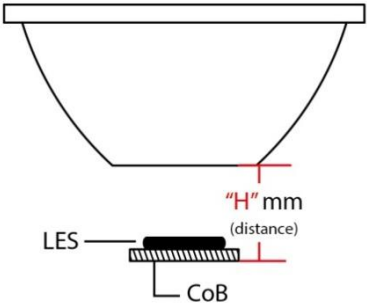


## Illuminance At Distances

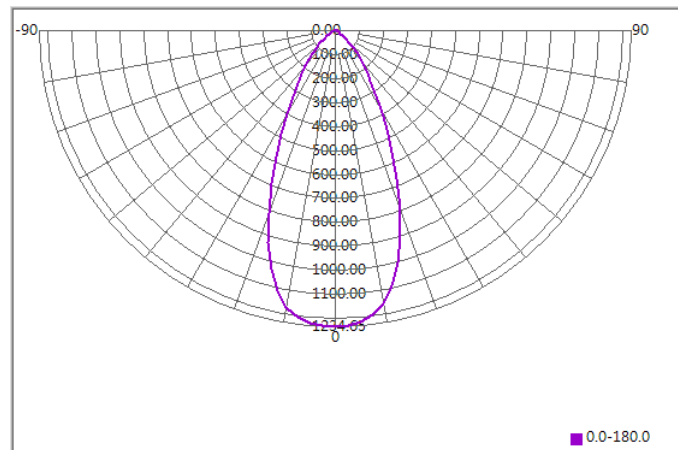




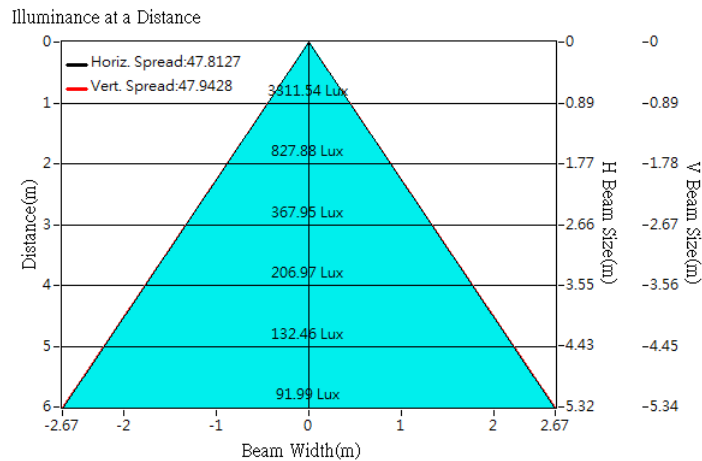
## Optical Characteristics

Model Number	CKO-CC20-075026-0450	<p>"H" definition</p> 
LED	<b>CXA1830</b>	
LES / LED Size	Φ 14 mm	
FWHM (D50)	48°	
Field Angle (D10)	91°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	2682 lm	
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

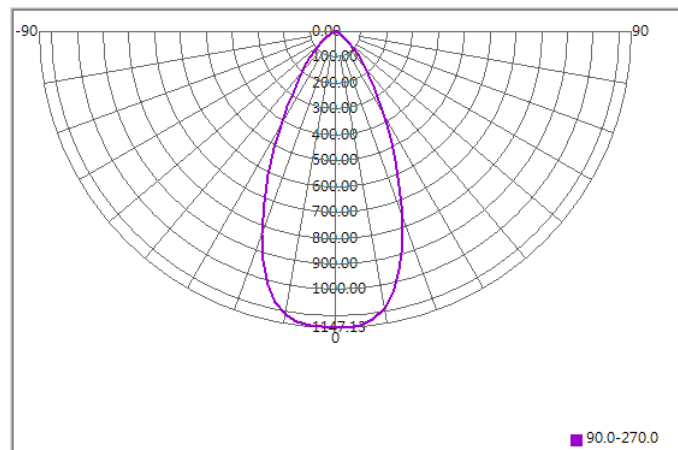




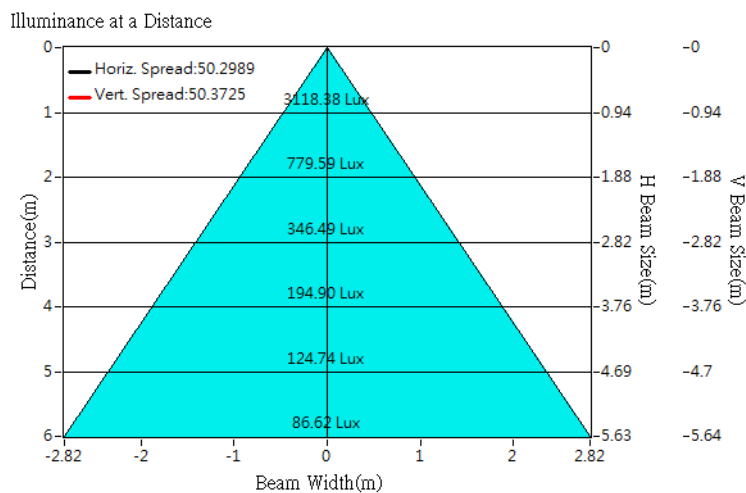
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CXB1830</b>		
LES / LED Size	Φ 14 mm		
FWHM (D50)	50°		
Field Angle (D10)	93°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2718 lm	Measured @ 27.3 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

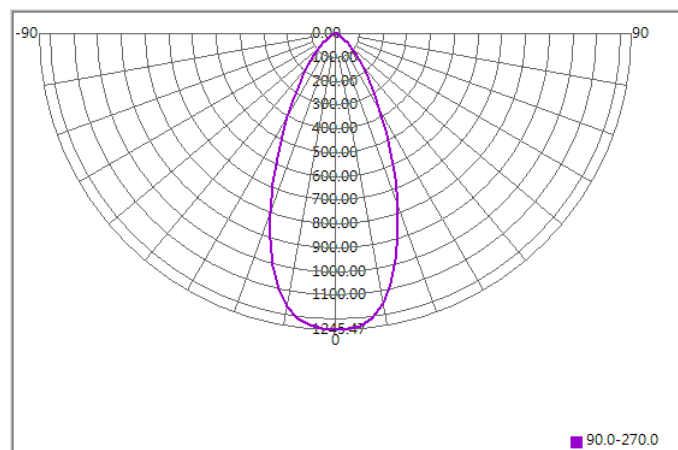




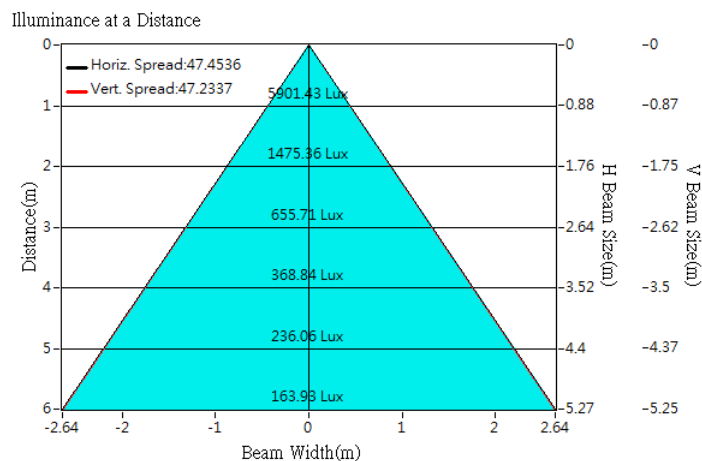
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p> <p>LES CoB "H" mm (distance)</p>
LED	<b>CMA1840</b>		
LES / LED Size	Φ 14 mm		
FWHM (D50)	47°		
Field Angle (D10)	91°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	4738 lm	Measured @ 38.4 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

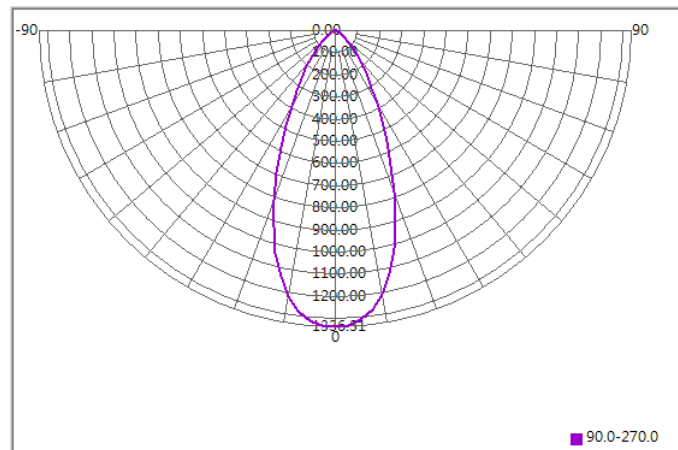




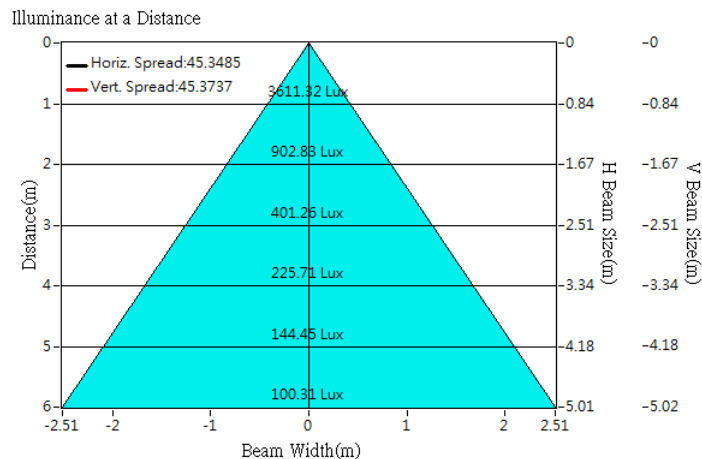
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CMT1922</b>		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	45°		
Field Angle (D10)	88°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	2702 lm	Measured @ 21 W	
Material	PC / UL94V2		

## cd/klm

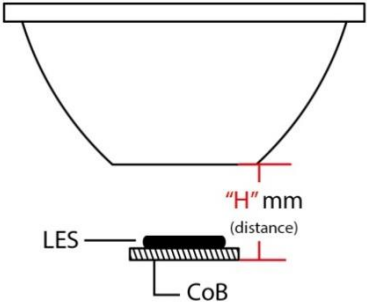


## Illuminance At Distances





## Optical Characteristics

Model Number	CKO-CC20-075026-0450	<p>"H" definition</p> 
LED	<b>CMT1925</b>	
LES / LED Size	Φ 14.5 mm	
FWHM (D50)	46°	
Field Angle (D10)	89°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	3045 lm      Measured @ 25 W	
Material	PC / UL94V2	

cd/klm

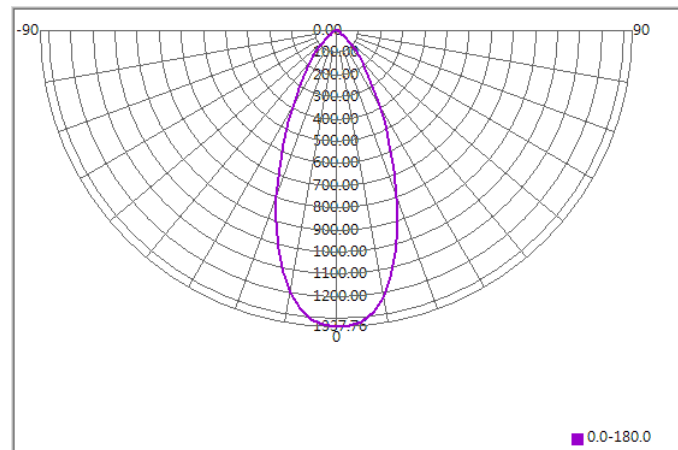
## Illuminance At Distances



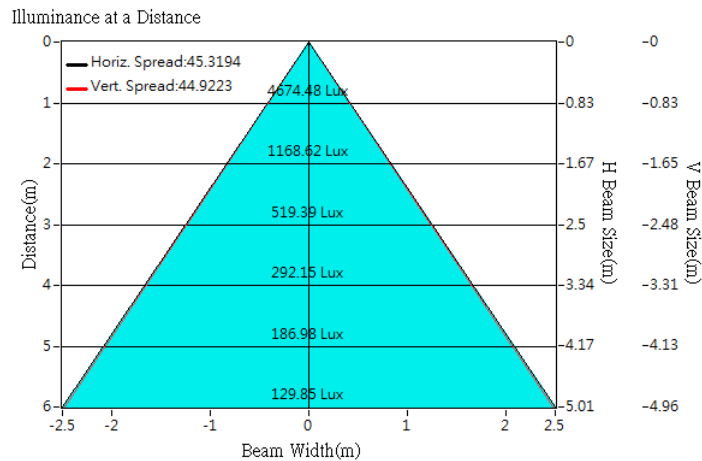
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CMT1930</b>		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	45°		
Field Angle (D10)	88°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3494 lm	Measured @ 27.6 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

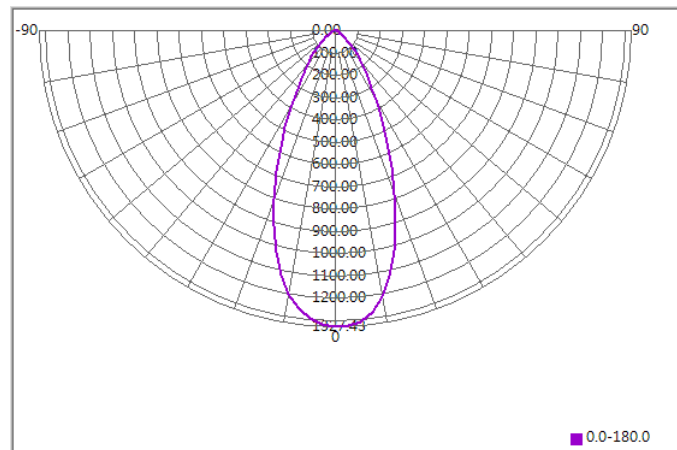




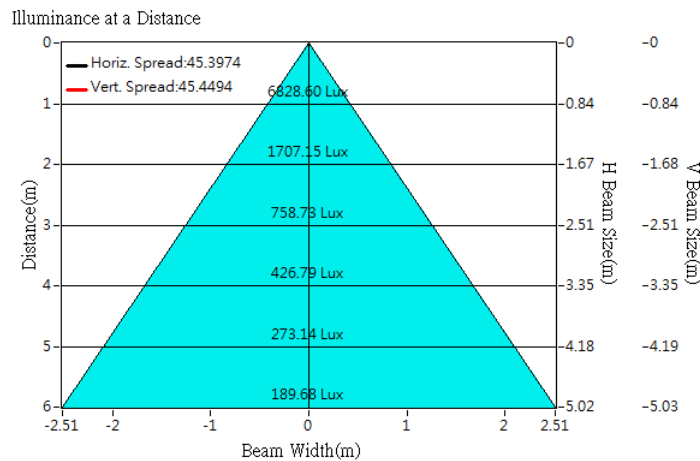
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CMT1945</b>		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	45°		
Field Angle (D10)	88°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	5144 lm	Measured @ 42.4 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

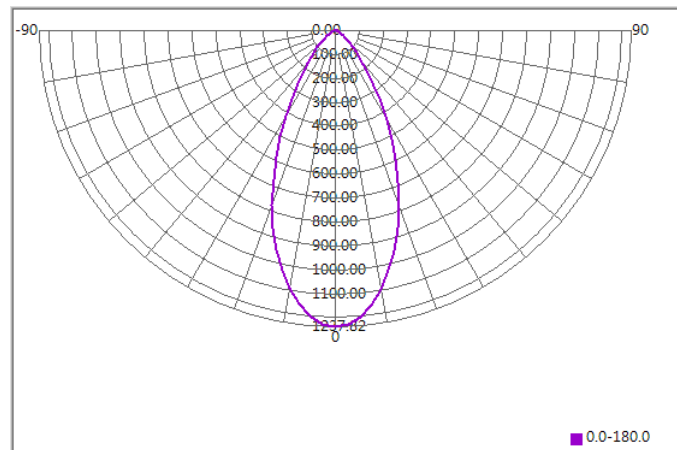




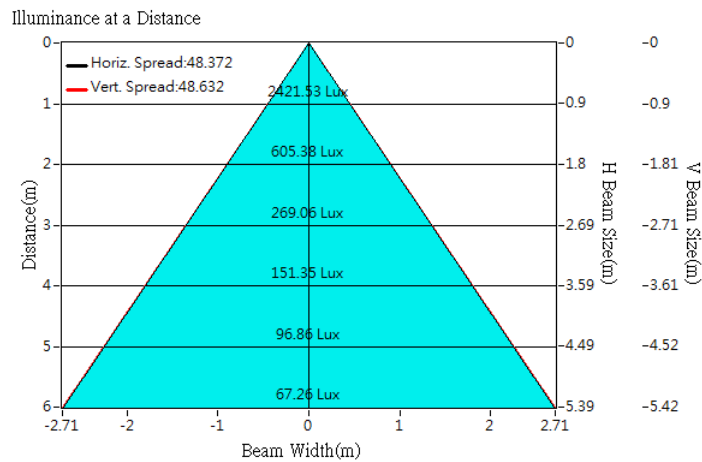
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p>
LED	<b>CXA2520</b>		
LES / LED Size	Φ 19 mm		
FWHM (D50)	48°		
Field Angle (D10)	90°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	1956 lm	Measured @ 20.3 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

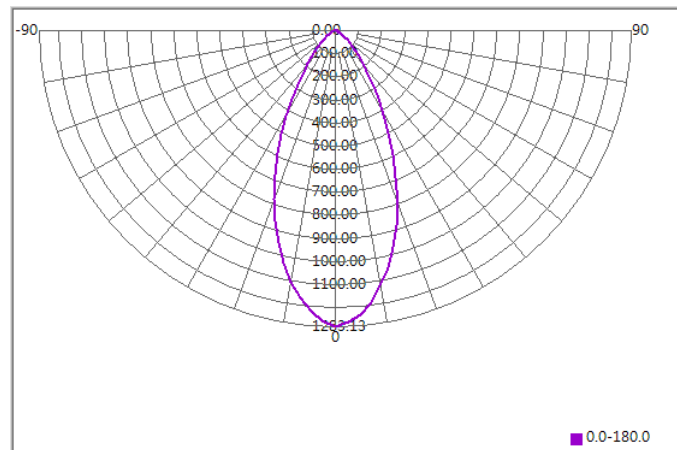




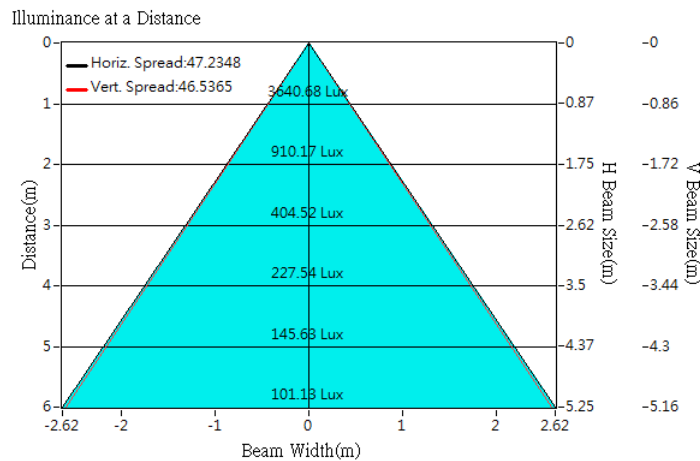
## Optical Characteristics

Model Number	CKO-CC20-075026-0450	<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CXA2530</b>	
LES / LED Size	Φ 19 mm	
FWHM (D50)	47°	
Field Angle (D10)	89°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	2837 lm	
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

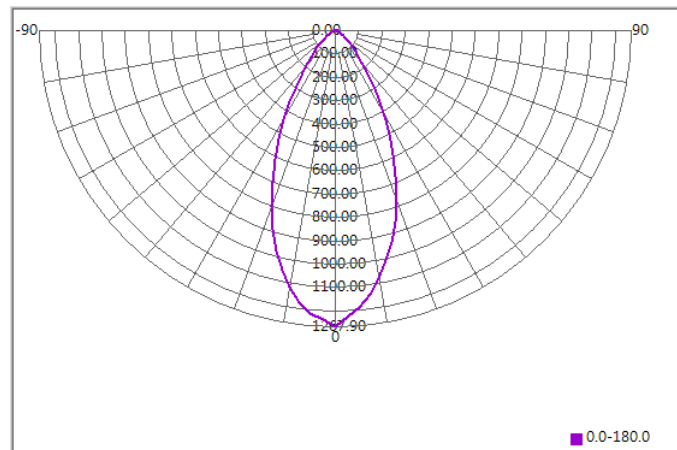




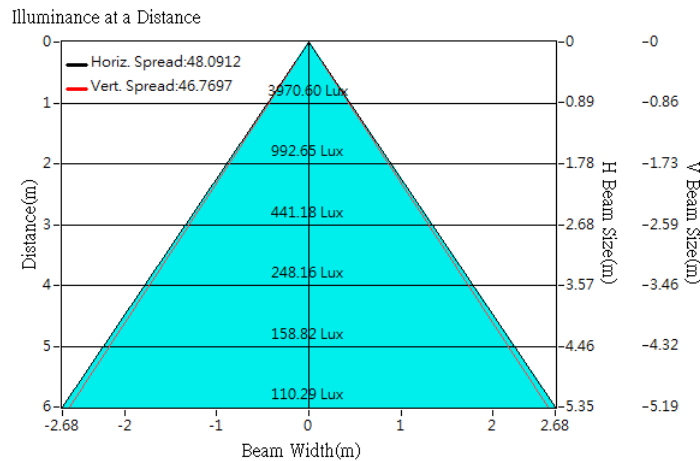
## Optical Characteristics

Model Number	CKO-CC20-075026-0450		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CXB2530</b>		
LES / LED Size	Φ 19 mm		
FWHM (D50)	47°		
Field Angle (D10)	89°		
H (distance)	3.65 mm		
Dimension	Φ =75mm, Thickness=25.4 mm		
Luminous Flux	3131 lm	Measured @ 27.6 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

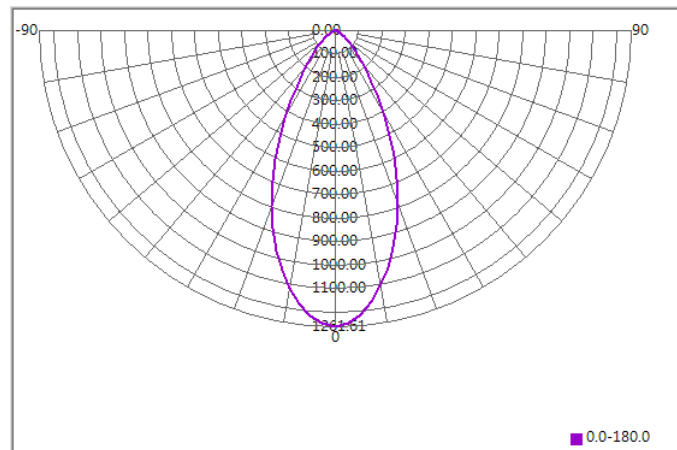




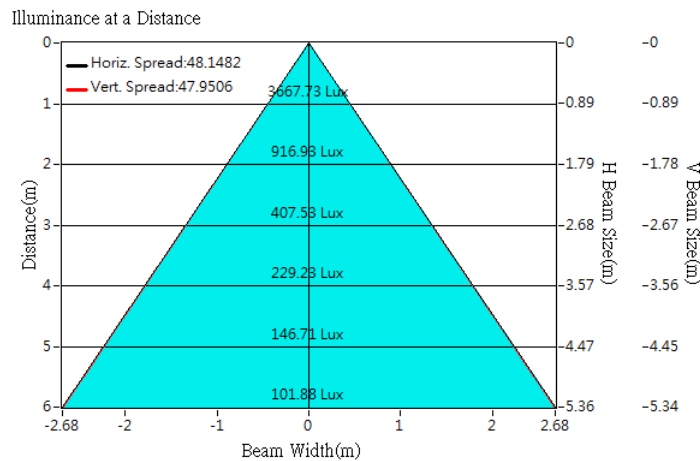
## Optical Characteristics

Model Number	CKO-CC20-075026-0450	<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CXA2540</b>	
LES / LED Size	Φ 19 mm	
FWHM (D50)	48°	
Field Angle (D10)	89°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	2907 lm	
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

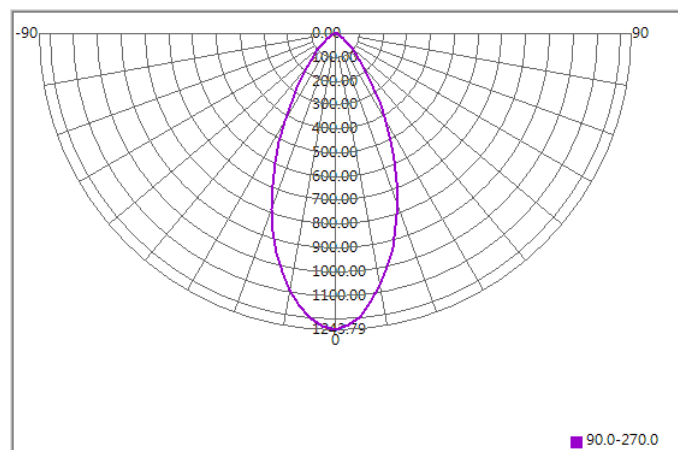




## Optical Characteristics

Model Number	CKO-CC20-075026-0450	<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CXB2540</b>	
LES / LED Size	Φ 19 mm	
FWHM (D50)	48°	
Field Angle (D10)	90°	
H (distance)	3.65 mm	
Dimension	Φ =75mm, Thickness=25.4 mm	
Luminous Flux	4640 lm	
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

