



## Product Model Number

CKO-CH15-085040-5007

### ✓ Model Number Definitions

**CKO-XXXX-XXXXXX-XXXX**

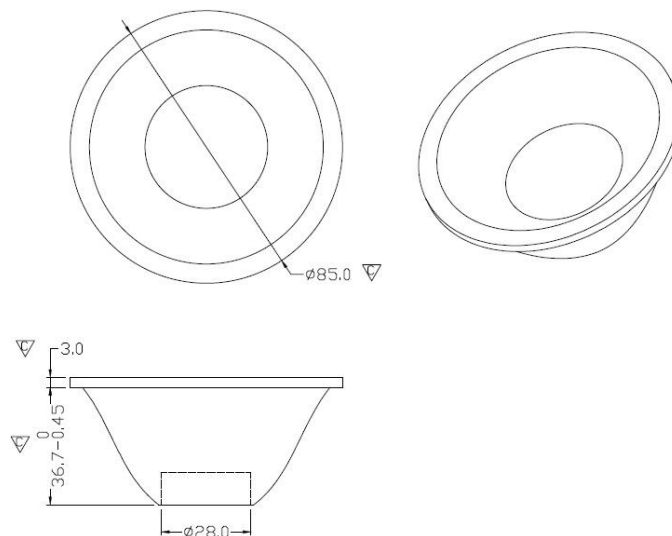


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation  
Ex:  
CH→CoB High Intensity  
CC→CoB Compact  
CS→Soft Shading for CoB LED  
HC→Holder for CoB LED

- 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) : Φ85 x 39.7



▽:Critical Dimension

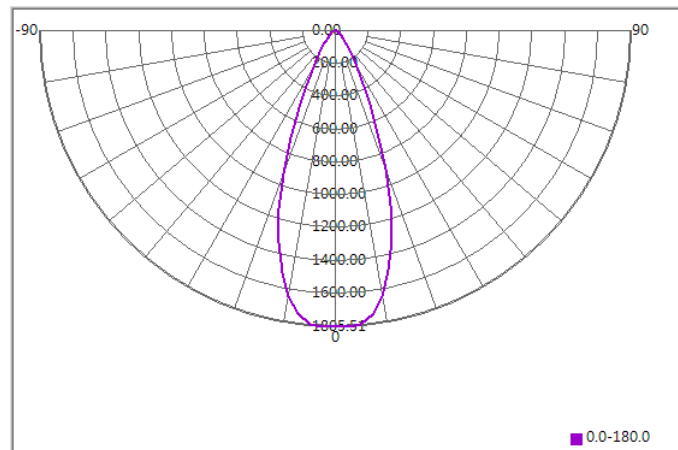




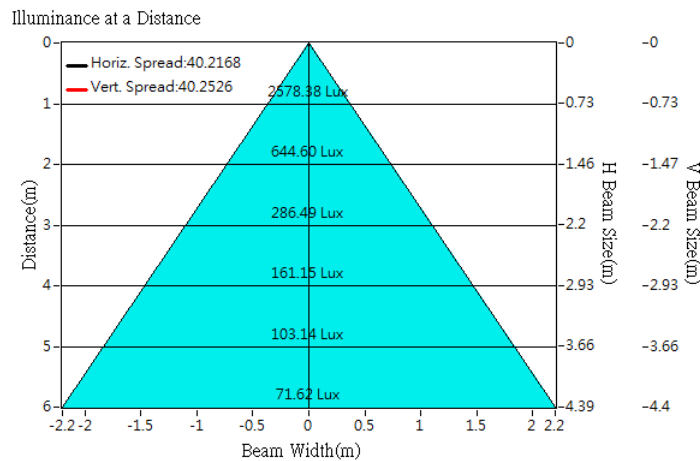
## Optical Characteristics

Model Number	CKO-CH15-085040-5007		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CMT1412</b>		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	40°		
Field Angle (D10)	68°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	1432 lm	Measured @ 12.2 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

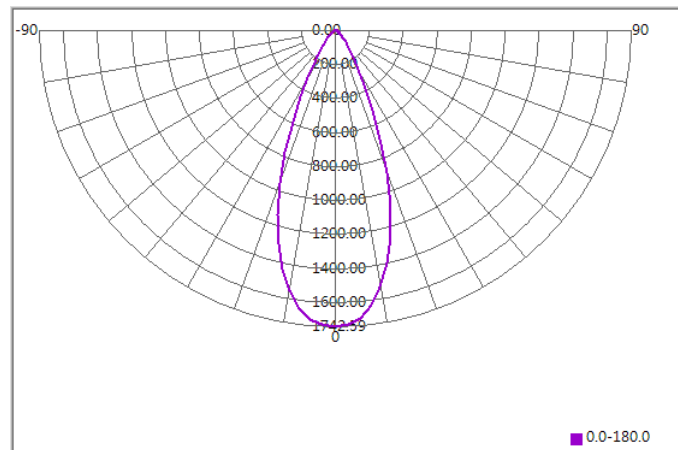




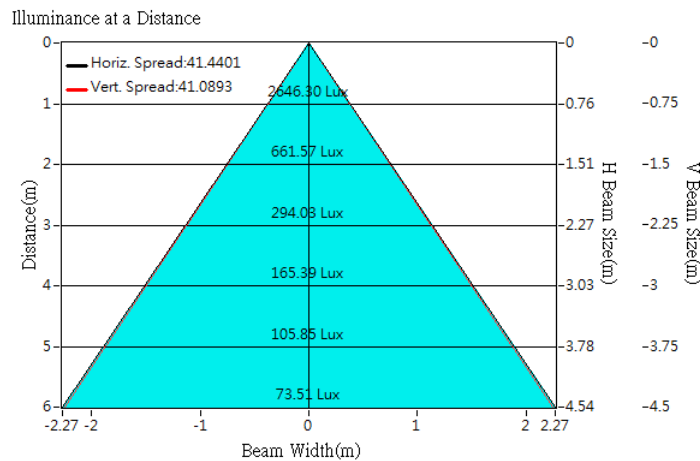
## Optical Characteristics

Model Number	CKO-CH15-085040-5007	<p>"H" definition</p>
LED	<b>CXA1816</b>	
LES / LED Size	Φ 12 mm	
FWHM (D50)	41°	
Field Angle (D10)	71°	
H (distance)	3.65 mm	
Dimension	Φ =85 mm, Thickness=39.7 mm	
Luminous Flux	1518 lm	
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

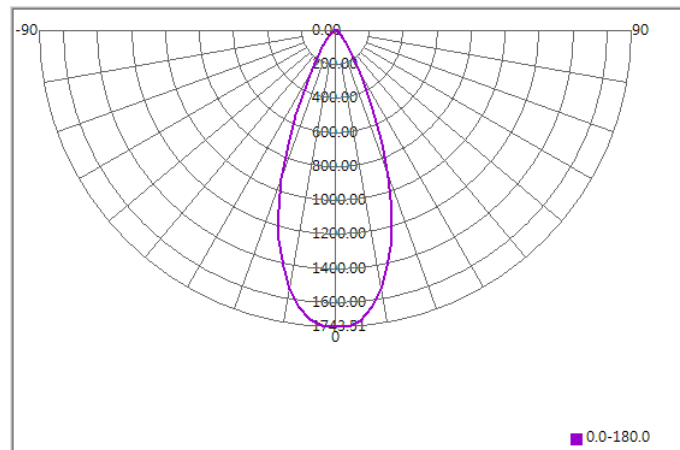




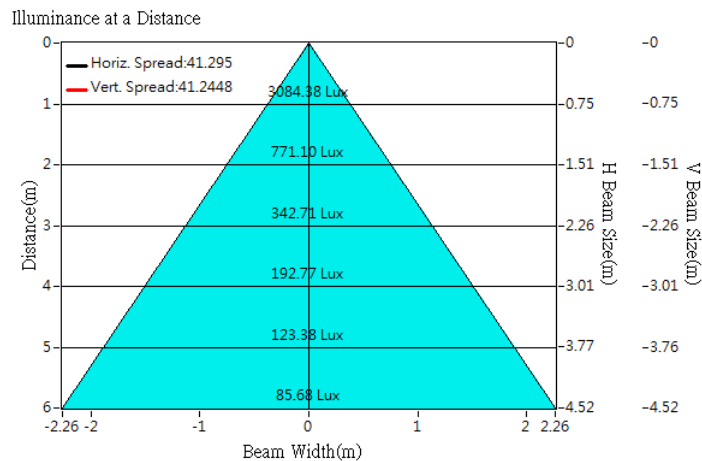
## Optical Characteristics

Model Number	CKO-CH15-085040-5007		<p>"H" definition</p>
LED	<b>CXB1816</b>		
LES / LED Size	Φ 12 mm		
FWHM (D50)	41°		
Field Angle (D10)	70°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	1769 lm	Measured @ 15.7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

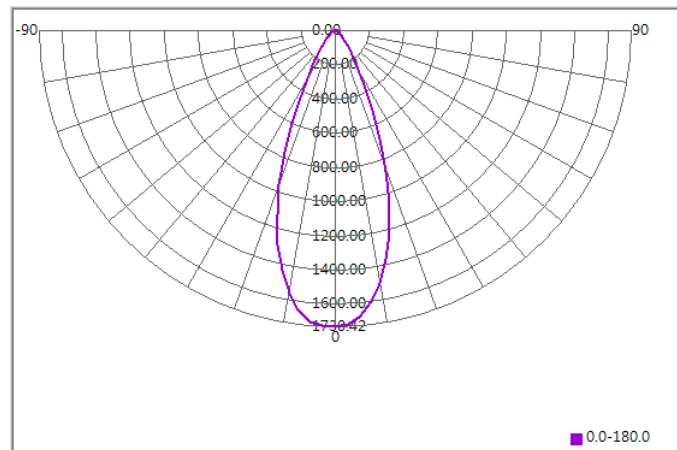




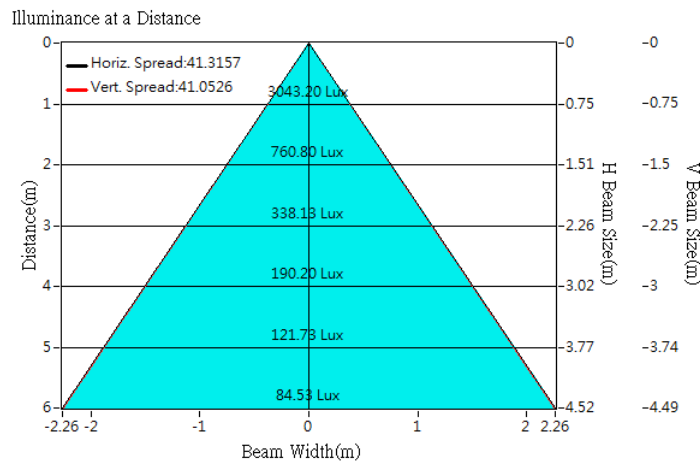
## Optical Characteristics

Model Number	CKO-CH15-085040-5007	<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CXA1820</b>	
LES / LED Size	Φ 12 mm	
FWHM (D50)	41°	
Field Angle (D10)	71°	
H (distance)	3.65 mm	
Dimension	Φ =85 mm, Thickness=39.7 mm	
Luminous Flux	1758 lm	
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

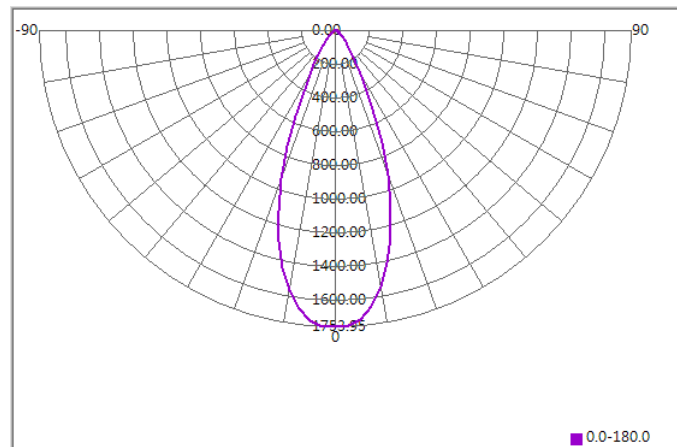




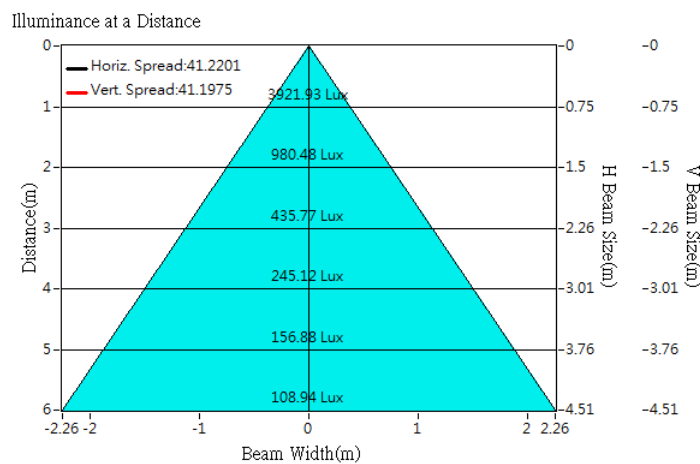
## Optical Characteristics

Model Number	CKO-CH15-085040-5007		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB1820		
LES / LED Size	Φ 12 mm		
FWHM (D50)	41°		
Field Angle (D10)	71°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2236 lm	Measured @ 19.4 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

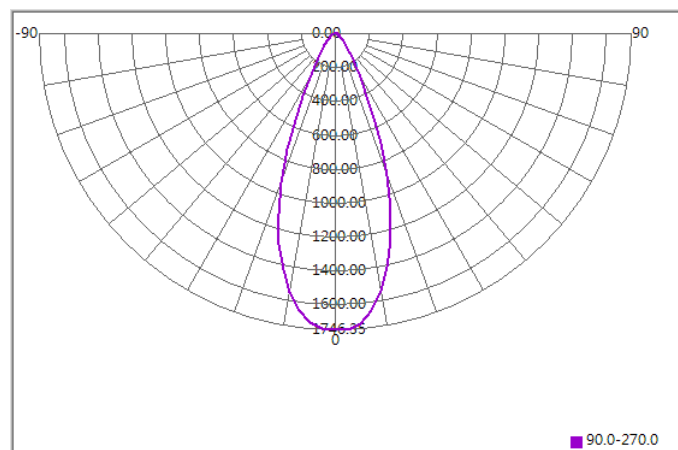




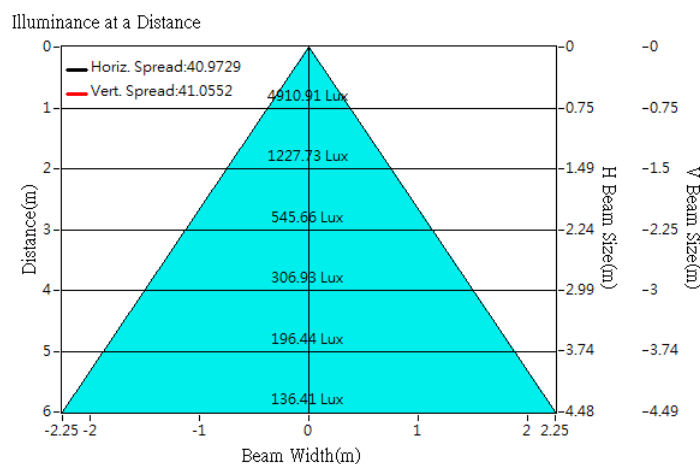
## Optical Characteristics

Model Number	CKO-CH15-085040-5007		<p>"H" definition</p>
LED	<b>CMA1825</b>		
LES / LED Size	Φ 12 mm		
FWHM (D50)	41°		
Field Angle (D10)	70°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2812 lm	Measured @ 24.5 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

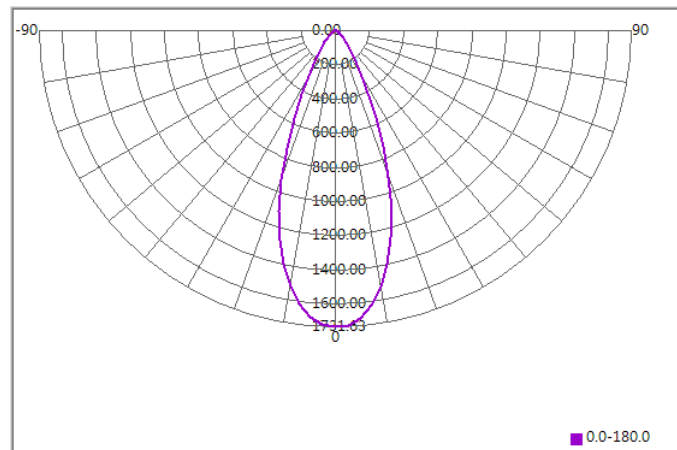




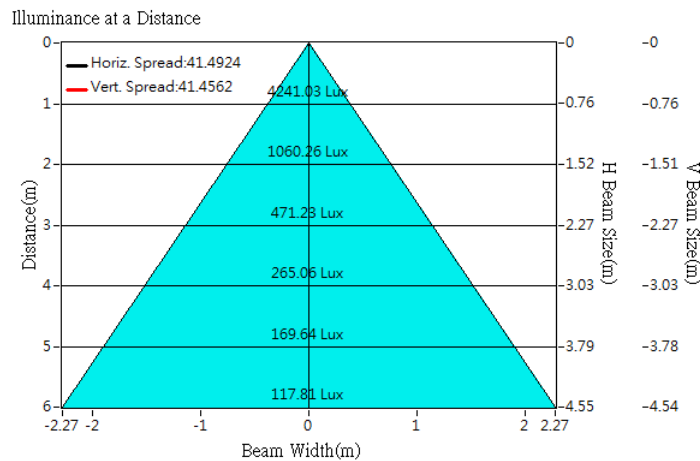
## Optical Characteristics

Model Number	CKO-CH15-085040-5007		<p>"H" definition</p> <p>LES CoB</p>
LED	CXA1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	41°		
Field Angle (D10)	71°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2449 lm	Measured @ 29.9 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

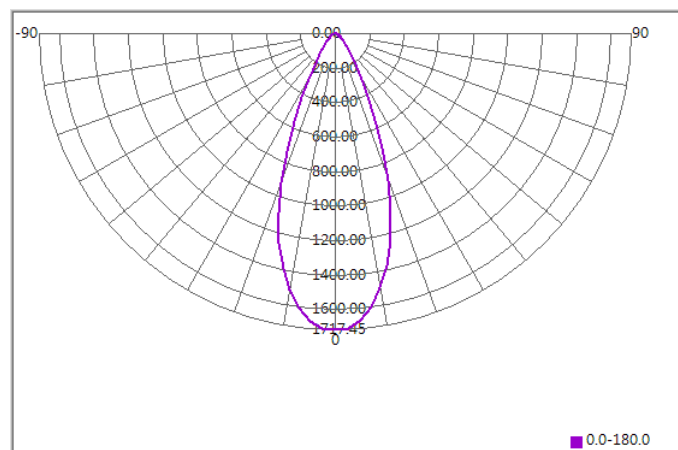




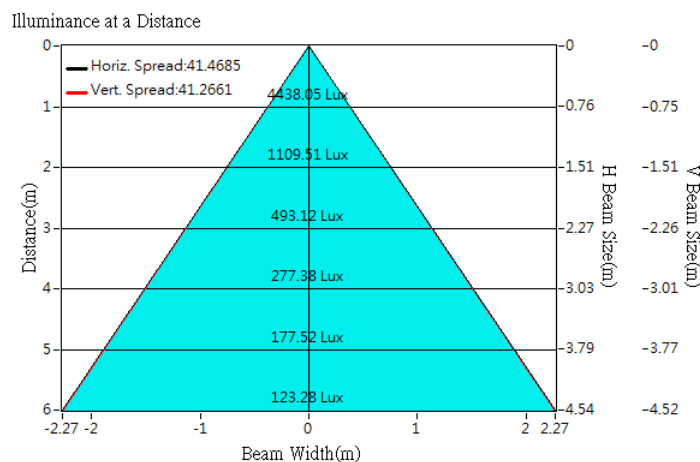
## Optical Characteristics

Model Number	CKO-CH15-085040-5007		<p>"H" definition</p>
LED	CXB1830		
LES / LED Size	Φ 14 mm		
FWHM (D50)	41°		
Field Angle (D10)	72°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2584 lm	Measured @ 27.7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

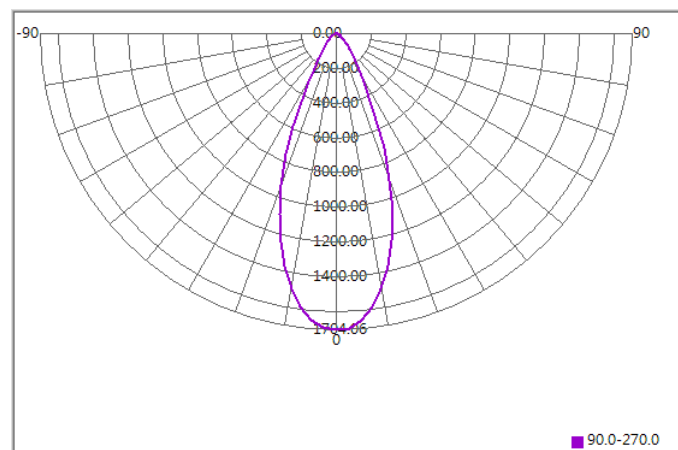




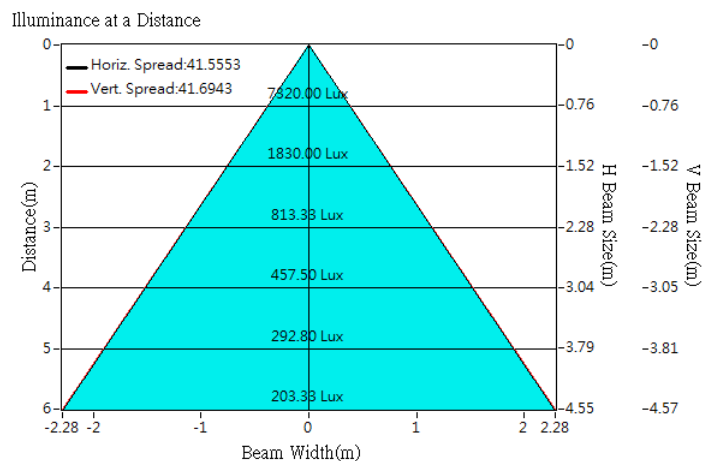
## Optical Characteristics

Model Number	CKO-CH15-085040-5007		<p>"H" definition</p>
LED	<b>CMA1840</b>		
LES / LED Size	Φ 14 mm		
FWHM (D50)	42°		
Field Angle (D10)	72°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	4295 lm	Measured @ 38.7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

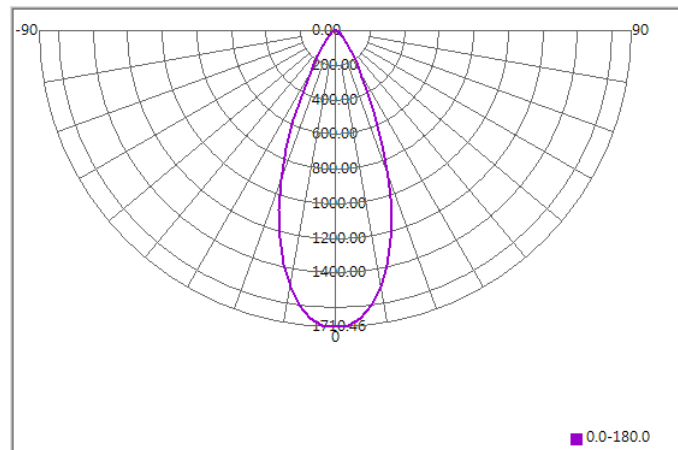




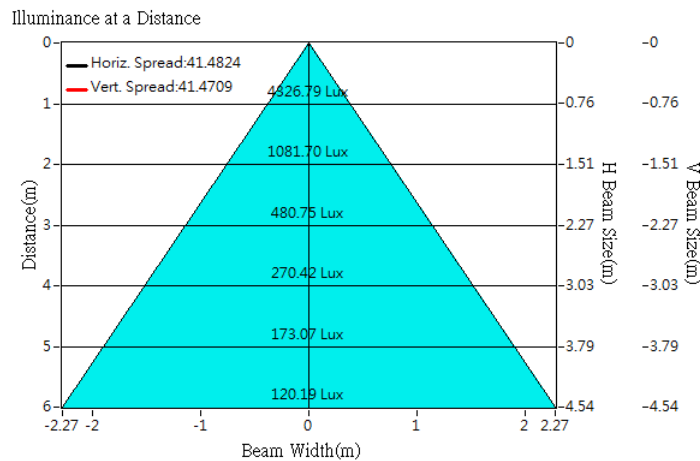
## Optical Characteristics

Model Number	CKO-CH15-085040-5007		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CMT1922</b>		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	41°		
Field Angle (D10)	72°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2529 lm	Measured @ 21 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

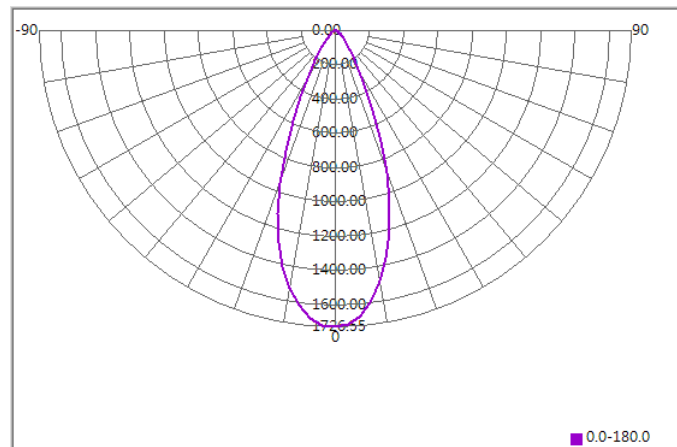




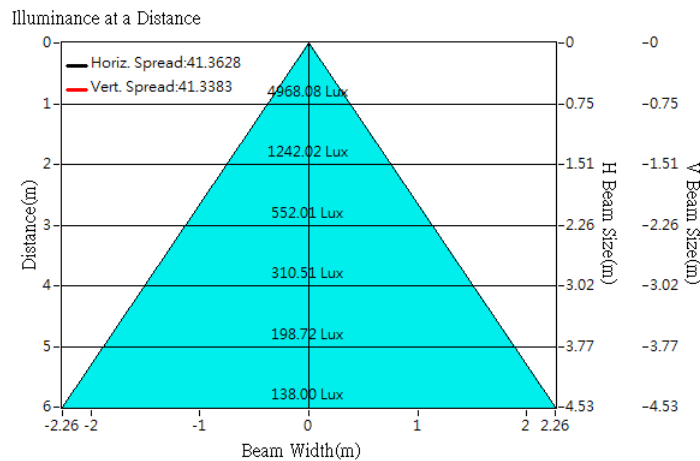
## Optical Characteristics

Model Number	CKO-CH15-085040-5007		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CMT1925</b>		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	41°		
Field Angle (D10)	72°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	2877 lm	Measured @ 24.3 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

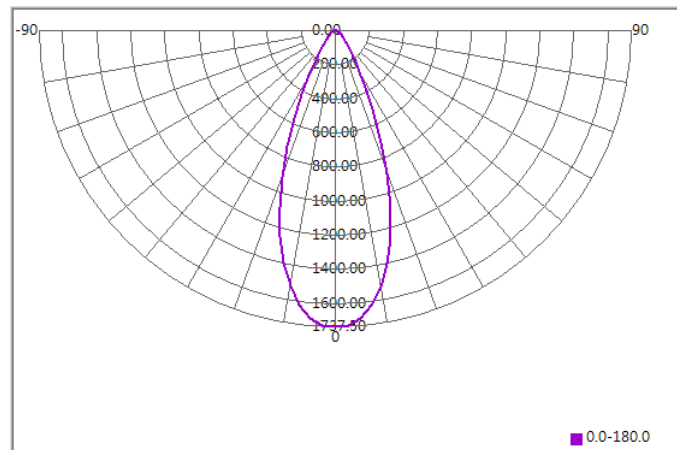




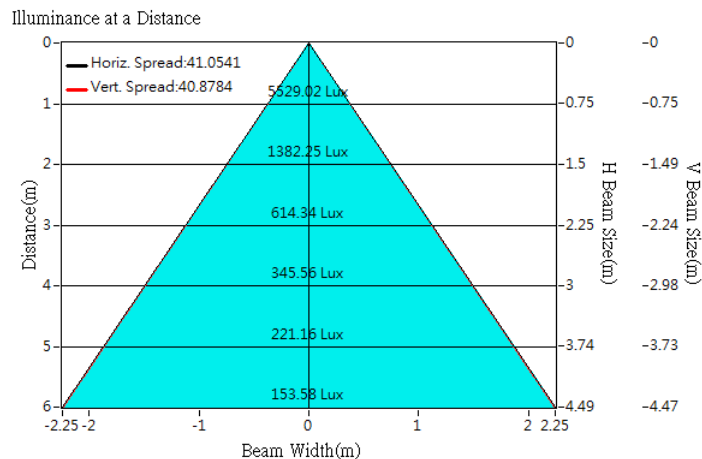
## Optical Characteristics

Model Number	CKO-CH15-085040-5007		<p>"H" definition</p>
LED	<b>CMT1930</b>		
LES / LED Size	Φ14.5 mm		
FWHM (D50)	41°		
Field Angle (D10)	71°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	3182 lm	Measured @ 28.0 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

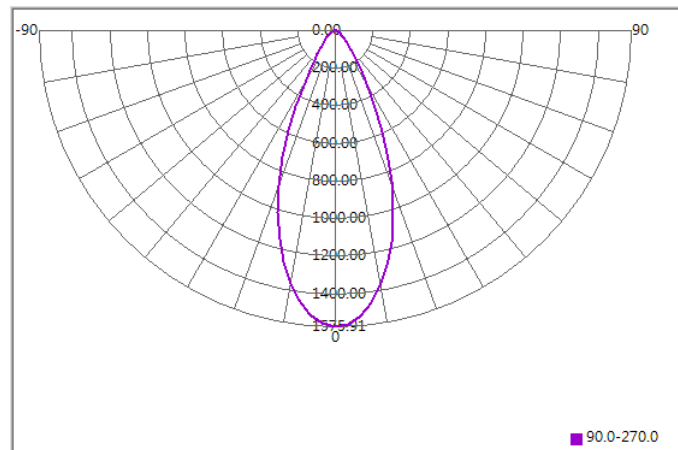




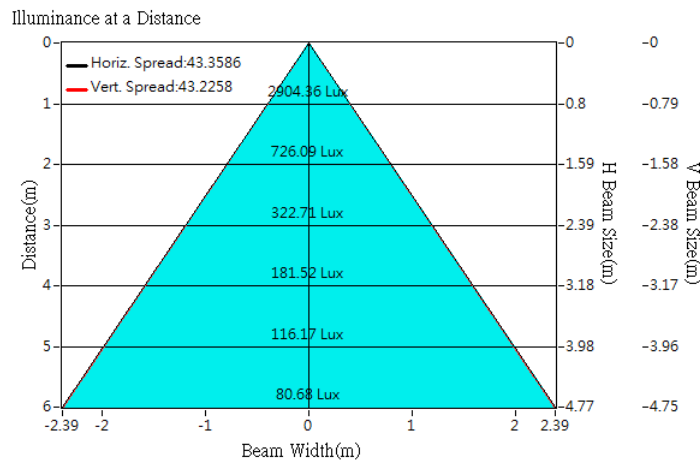
## Optical Characteristics

Model Number	CKO-CH15-085040-5007		<p>"H" definition</p>
LED	CXA2520		
LES / LED Size	Φ 19 mm		
FWHM (D50)	43°		
Field Angle (D10)	76°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	1842 lm	Measured @ 20.3 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

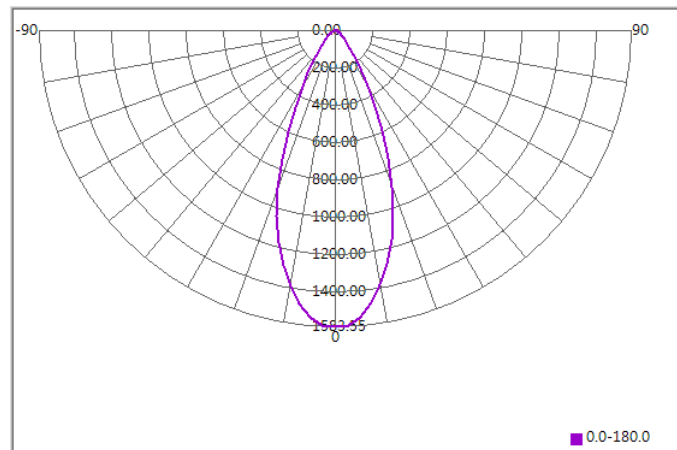




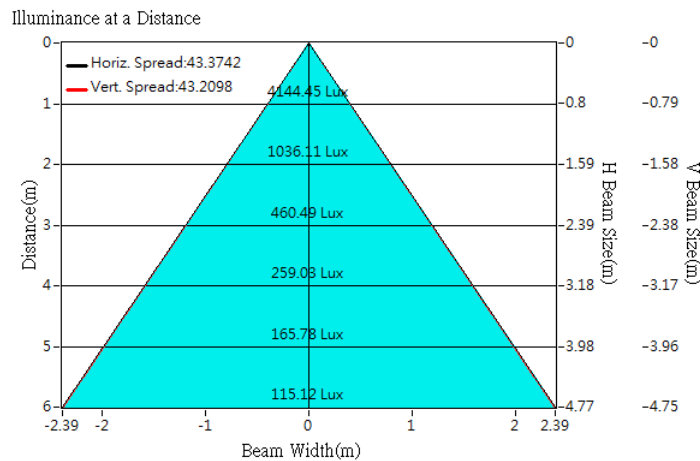
## Optical Characteristics

Model Number	CKO-CH15-085040-5007	<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CXA2530</b>	
LES / LED Size	Φ 19 mm	
FWHM (D50)	43°	
Field Angle (D10)	76°	
H (distance)	3.65 mm	
Dimension	Φ =85 mm, Thickness=39.7 mm	
Luminous Flux	2617 lm	
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

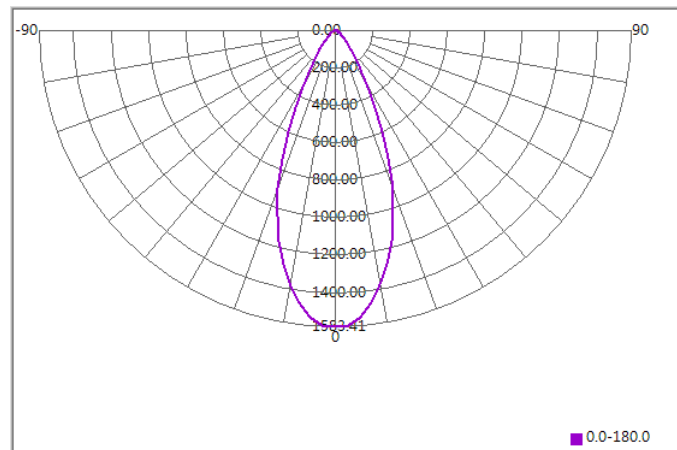




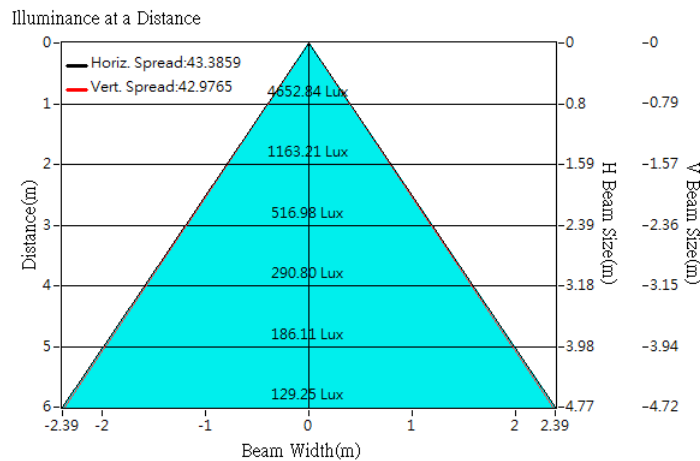
## Optical Characteristics

Model Number	CKO-CH15-085040-5007	<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CREE CXB2530</b>	
LES / LED Size	Φ 19 mm	
FWHM (D50)	43°	
Field Angle (D10)	76°	
H (distance)	3.65 mm	
Dimension	Φ =85 mm, Thickness=39.7 mm	
Luminous Flux	2938 lm	
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

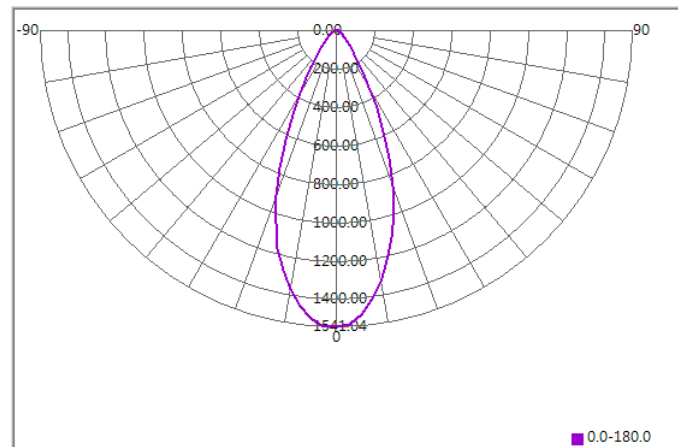




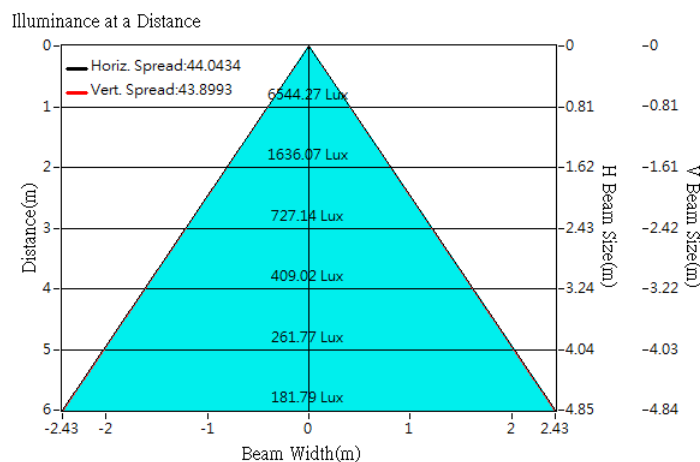
## Optical Characteristics

Model Number	CKO-CH15-085040-5007		<p>"H" definition</p>
LED	<b>CXB2540</b>		
LES / LED Size	Φ 19 mm		
FWHM (D50)	44°		
Field Angle (D10)	77°		
H (distance)	3.65 mm		
Dimension	Φ =85 mm, Thickness=39.7 mm		
Luminous Flux	4246 lm	Measured @ 38 W	
Material	PC / UL94V2		

## cd/klm

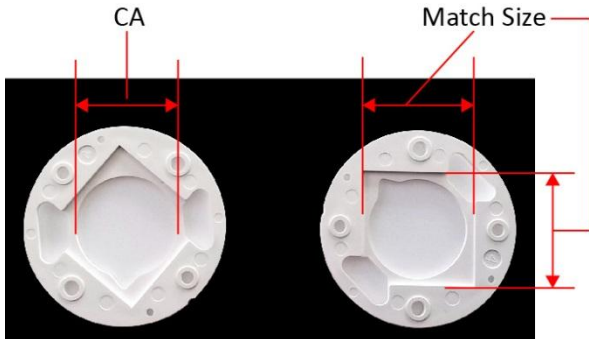


## Illuminance At Distances





## Lens Accessories - CoB Holder



Example of LES Area & LED Size Dimension Locations

Product Model	Match Size (mm)	CA (mm)	Material	Applicability
CKO-HC13-131307-6411	13.6 x 13.6	Φ 7.8	PBT	CREE CXA 13XX
CKO-HC13-161610-6412	16.1 x 16.1	Φ 10.8	PBT	CREE CXA 15XX
CKO-HC13-181816-6413	18.1 x 18.1	Φ 16.4	PBT	CREE CXA 18XX
CKO-HC13-242421-6414	24.1 x 24.1	Φ 21.3	PBT	CREE CXA 25XX
CKO-HC13-272725-6415	27.6 x 27.6	Φ 25.3	PBT	CREE CXA 30XX