



## Product Model Number

**CKO-CH17-075041-0305**

### ✓ Model Number Definitions

**CKO-XXXX-XXXXXX-XXXX**

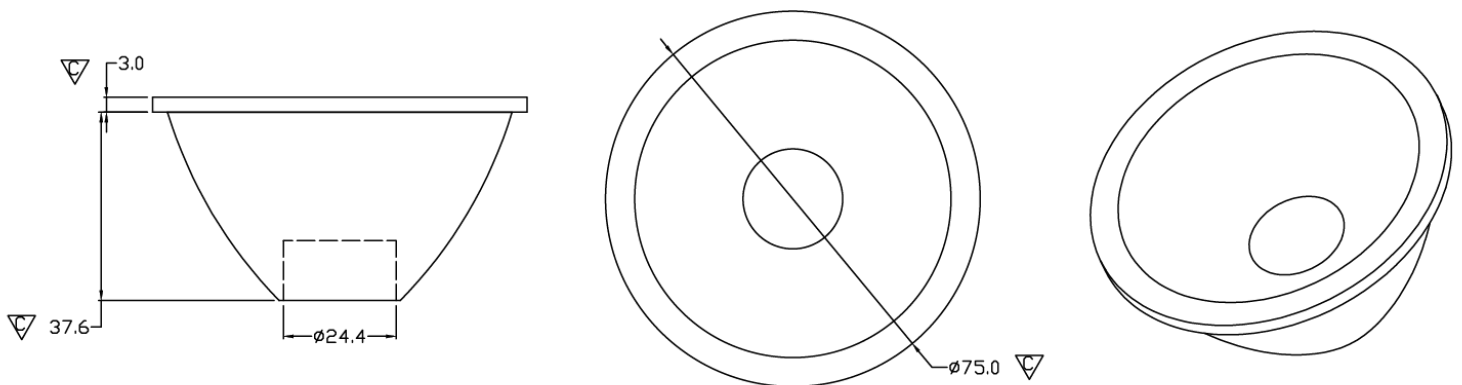


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation  
Ex:  
CH→CoB High Intensity  
CC→CoB Compact  
CS→Soft Shading for CoB LED  
HC→Holder for CoB LED

- 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

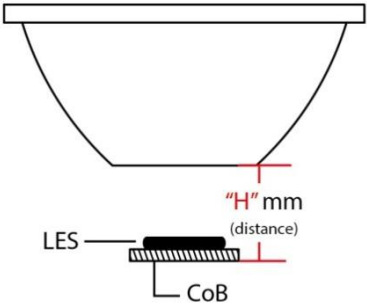


✓ Optical Characteristics – Angle Performances

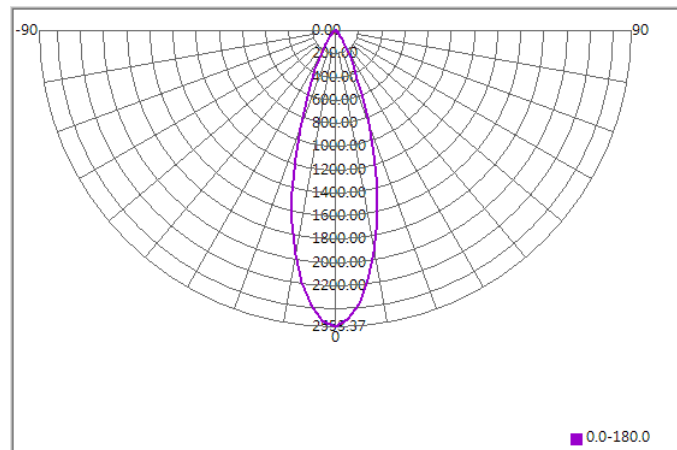
Cree	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
CXA1507	Φ9	33°	60°
CXB1507	Φ9	32°	60°
CXA1512	Φ9	32°	58°
CXB1512	Φ9	32°	59°
CMA1516	Φ9	32°	59°
CXA1520	Φ9	32°	60°
CXB1520	Φ9	32°	59°
CMT1407	Φ9.8	32°	59°
CMT1412	Φ9.8	33°	61°
CMT1420	Φ9.8	32°	58°
CXB1816	Φ12	36°	65°
CXB1820	Φ12	34°	62°
CMA1825	Φ12	35°	64°
CXA1850	Φ12	34°	64°
CXA1830	Φ14	35°	64°
CXB1830	Φ14	36°	66°
CMA1840	Φ14	36°	64°
CMT1922	Φ14.5	36°	67°
CMT1925	Φ14.5	37°	68°
CMT1930	Φ14.5	36°	65°
CMT1945	Φ14.5	36°	66°



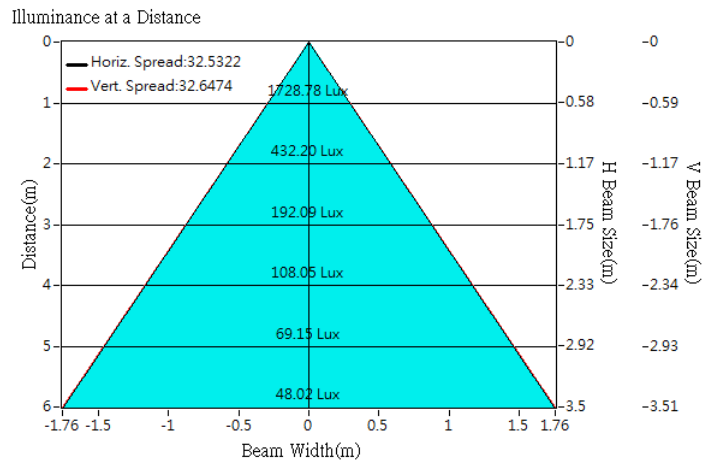
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p> 
LED	<b>CXA1507</b>		
LES / LED Size	Φ 9 mm		
FWHM (D50)	33°		
Field Angle (D10)	60°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	677 lm	Measured @ 7.6 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

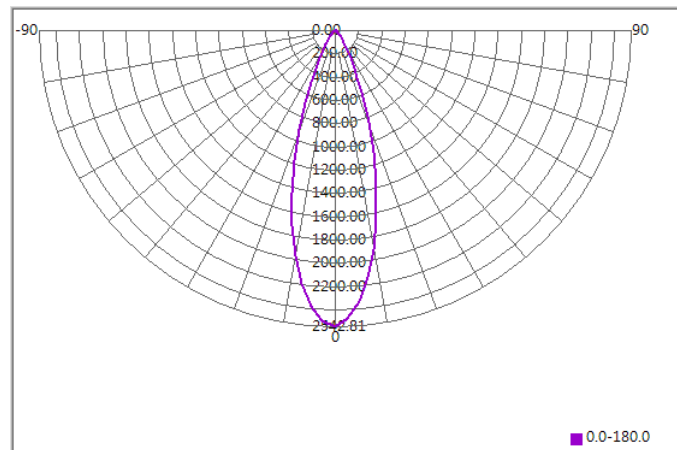




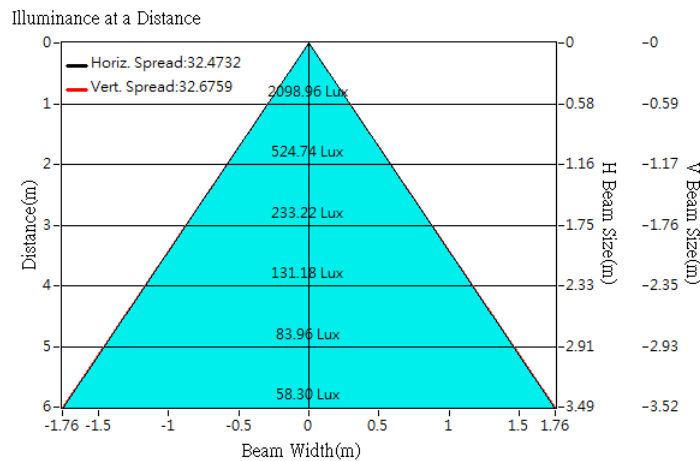
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p> <p>LES CoB</p>
LED	CXB1507		
LES / LED Size	Φ 9 mm		
FWHM (D50)	32°		
Field Angle (D10)	60°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	825 lm	Measured @ 7.2 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

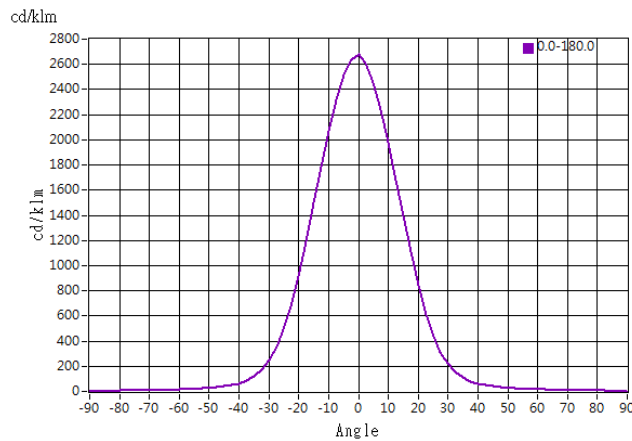




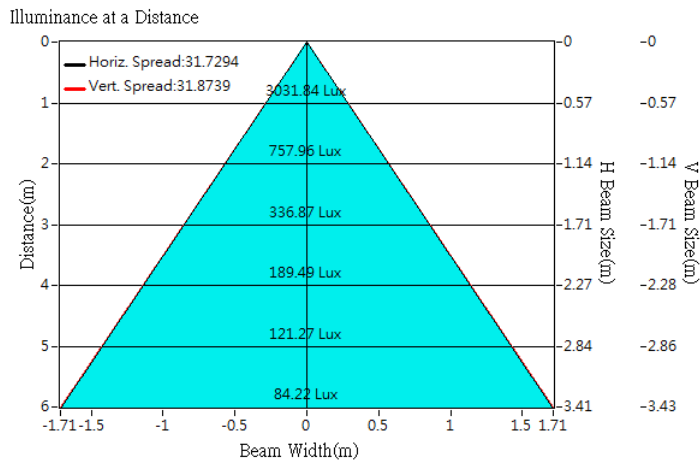
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CXA1512</b>		
LES / LED Size	Φ 9 mm		
FWHM (D50)	32°		
Field Angle (D10)	58°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	1130 lm	Measured @ 13 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

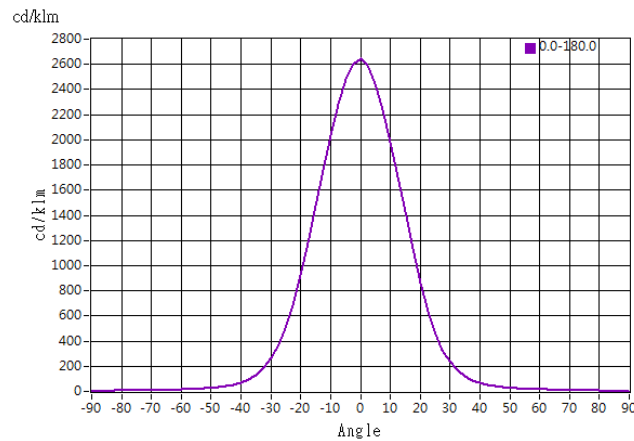




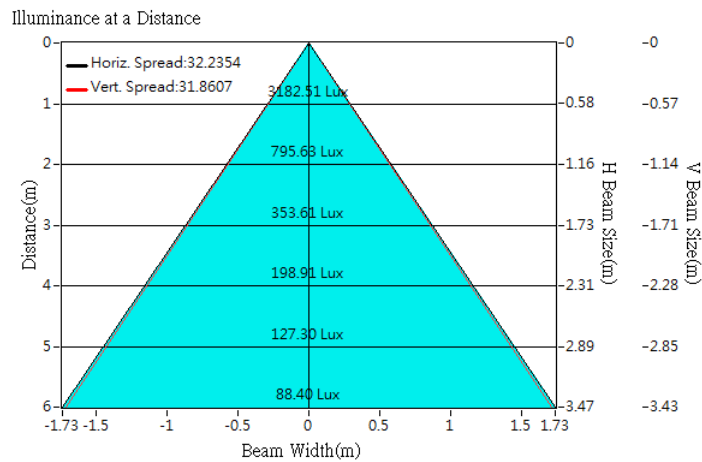
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p>
LED	CXB1512		
LES / LED Size	Φ 9 mm		
FWHM (D50)	32°		
Field Angle (D10)	59°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	1205 lm	Measured @ 11.7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

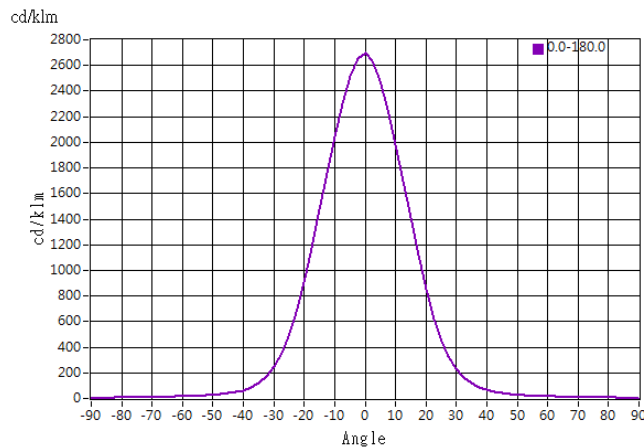




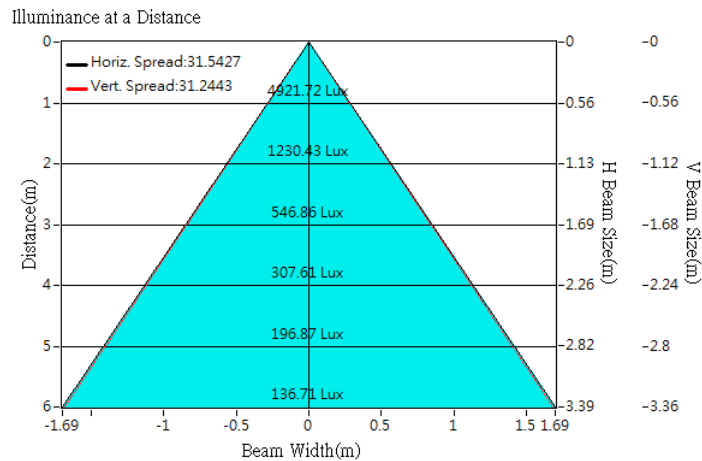
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p>
LED	<b>CMA1516</b>		
LES / LED Size	Φ 9 mm		
FWHM (D50)	32°		
Field Angle (D10)	59°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	1823 lm	Measured @ 15.5 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

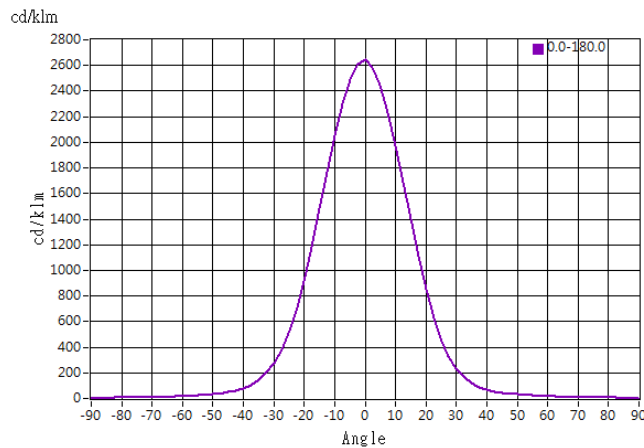




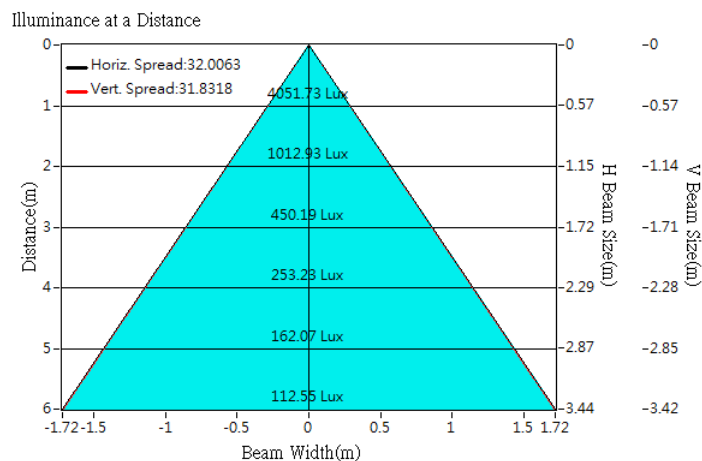
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p> <p>LES CoB "H" mm (distance)</p>
LED	CXA1520		
LES / LED Size	Φ 9 mm		
FWHM (D50)	32°		
Field Angle (D10)	59°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	1530 lm	Measured @ 17.6 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

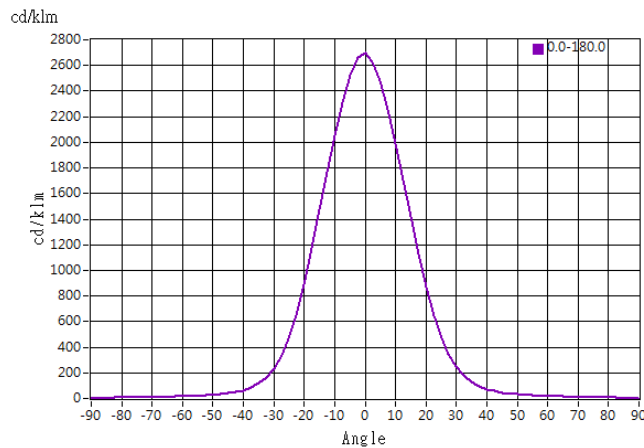




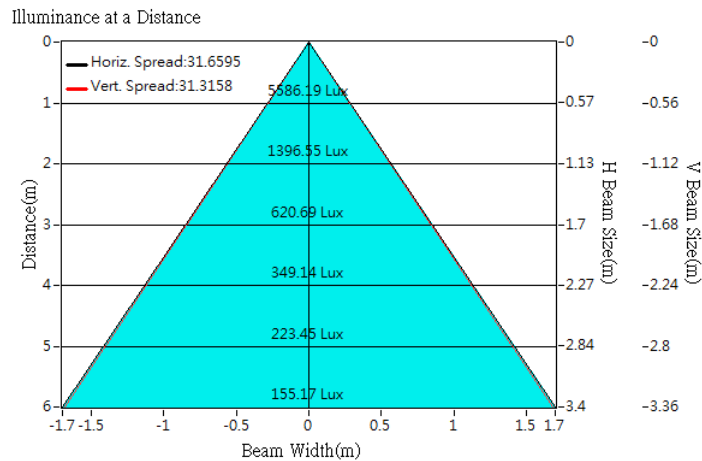
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p>
LED	<b>CXB1520</b>		
LES / LED Size	Φ 9 mm		
FWHM (D50)	32°		
Field Angle (D10)	59°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	2071 lm	Measured @ 16.6 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

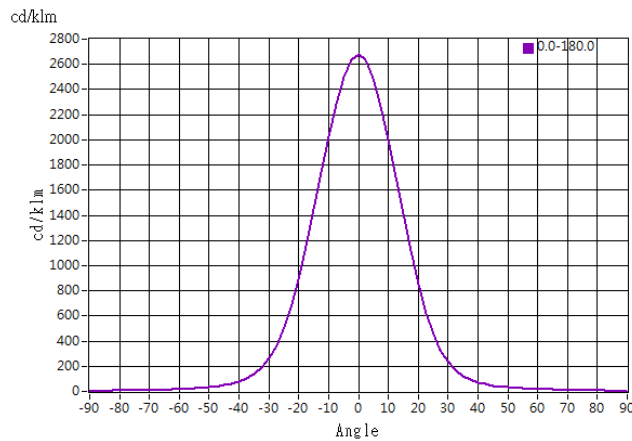




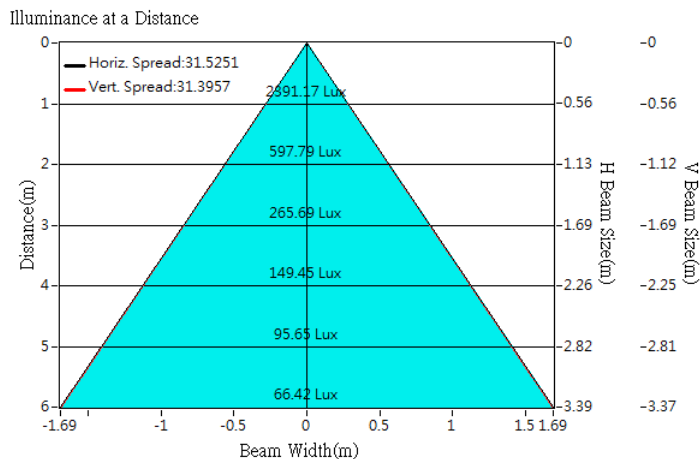
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CMT1407</b>		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	32°		
Field Angle (D10)	59°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	891 lm	Measured @ 7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

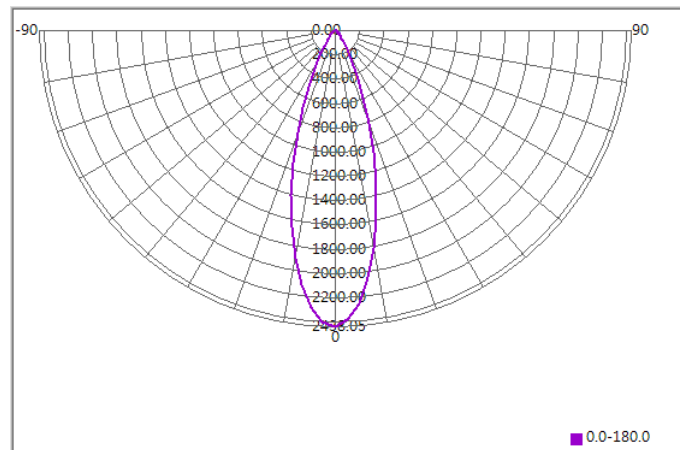




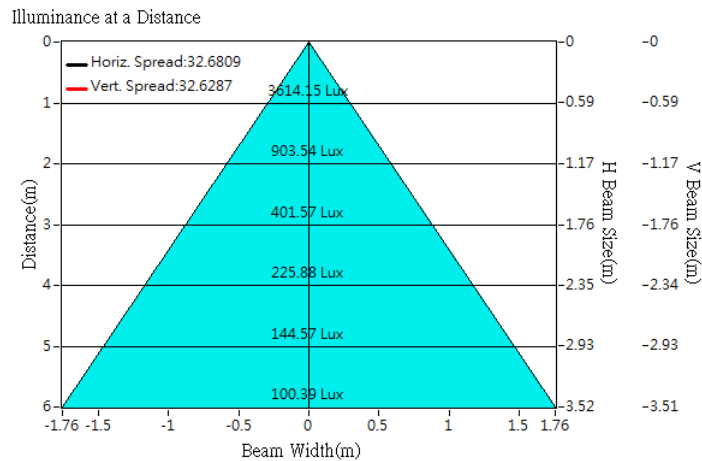
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CMT1412</b>		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	33°		
Field Angle (D10)	61°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	1482 lm	Measured @ 12.6 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

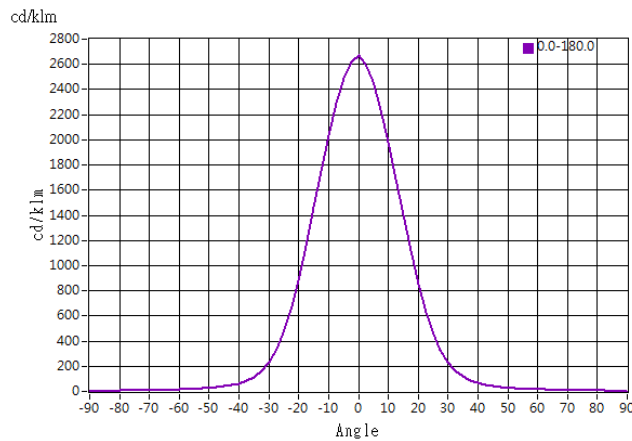




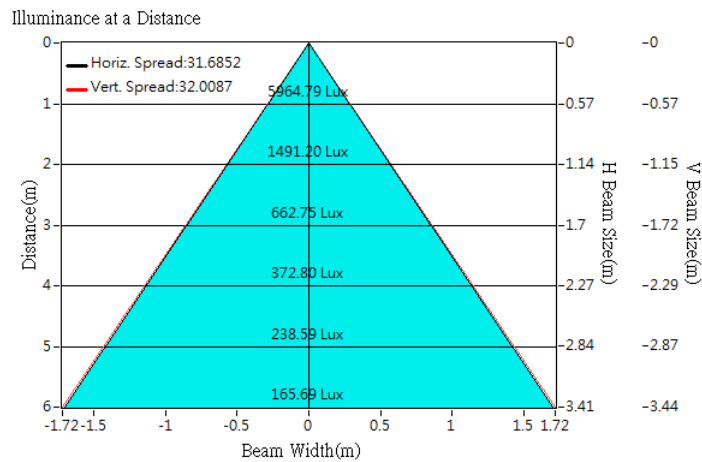
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CMT1420</b>		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	32°		
Field Angle (D10)	58°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	2234 lm	Measured @ 19 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

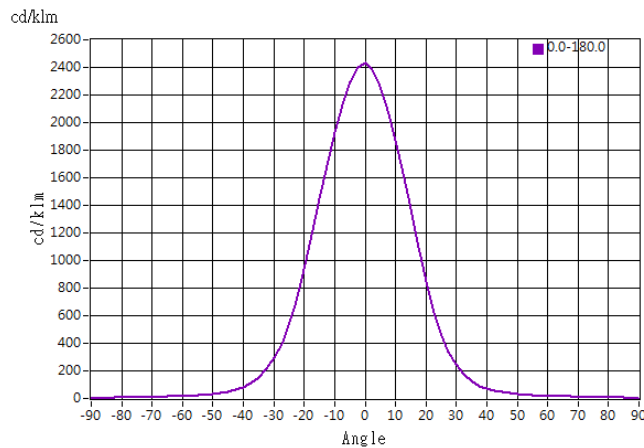




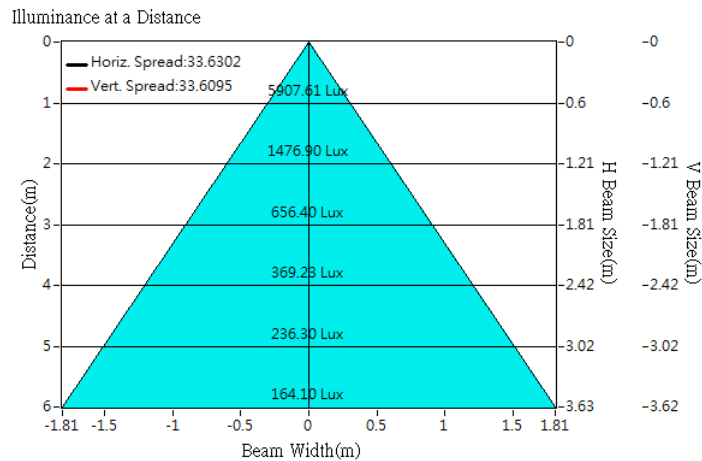
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p>
LED	<b>CXB1820</b>		
LES / LED Size	Φ 12 mm		
FWHM (D50)	33°		
Field Angle (D10)	62°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	2433 lm	Measured @ 19.3 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

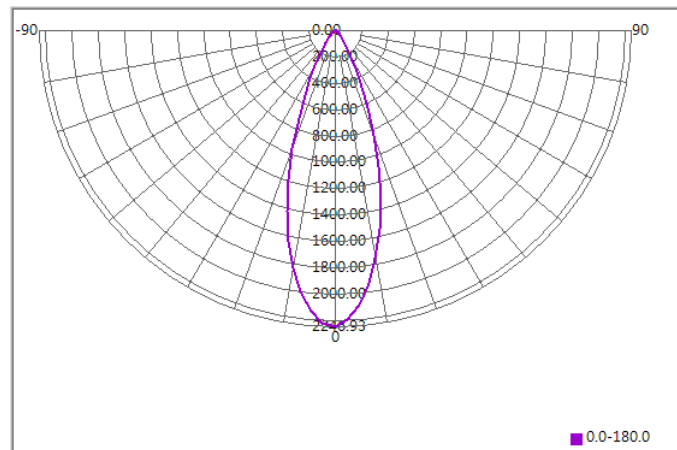




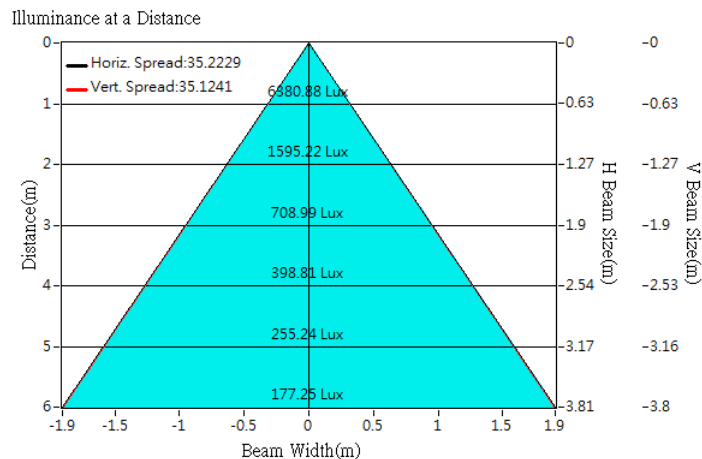
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p>
LED	<b>CMA1825</b>		
LES / LED Size	Φ 12 mm		
FWHM (D50)	35°		
Field Angle (D10)	64°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	2839 lm	Measured @ 24.7 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

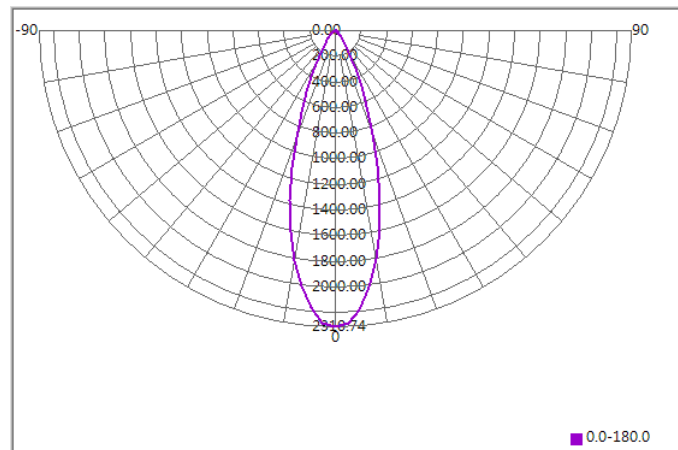




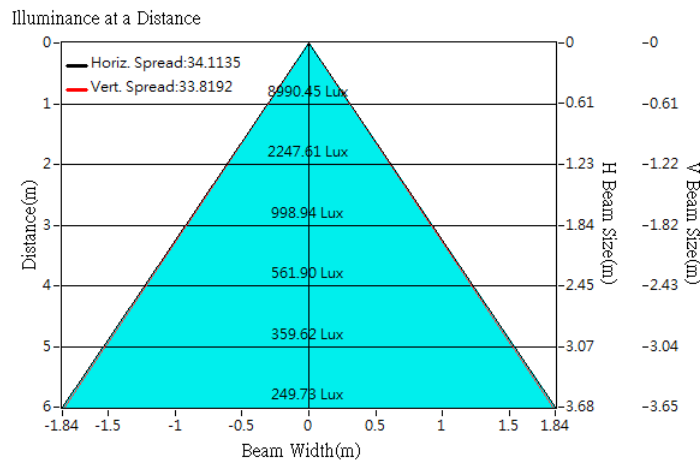
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p>
LED	<b>CXA1850</b>		
LES / LED Size	Φ 12 mm		
FWHM (D50)	34°		
Field Angle (D10)	64°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	3890 lm	Measured @ 47.9 W	
Material	PC / UL94V2		

## cd/klm

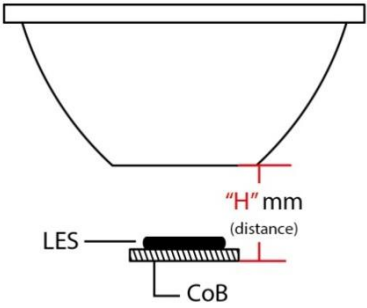


## Illuminance At Distances

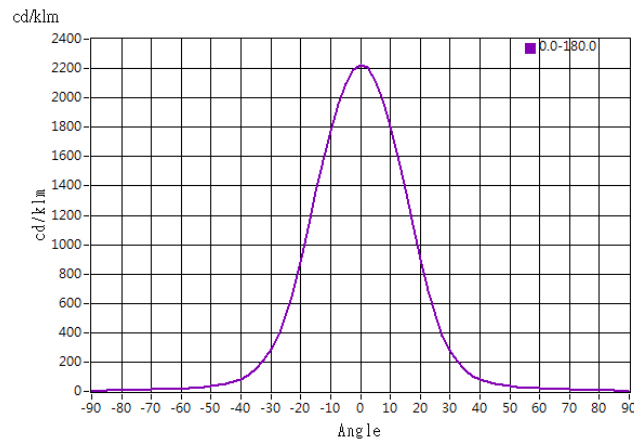




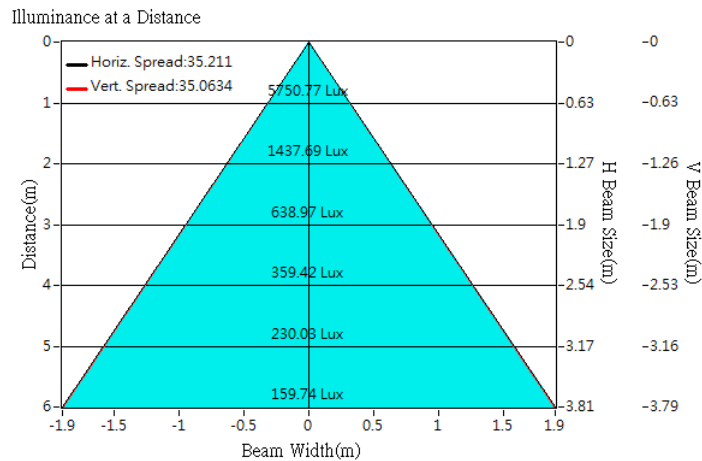
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p> 
LED	<b>CXA1830</b>		
LES / LED Size	Φ 14 mm		
FWHM (D50)	35°		
Field Angle (D10)	64°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	2583 lm	Measured @ 27.4 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

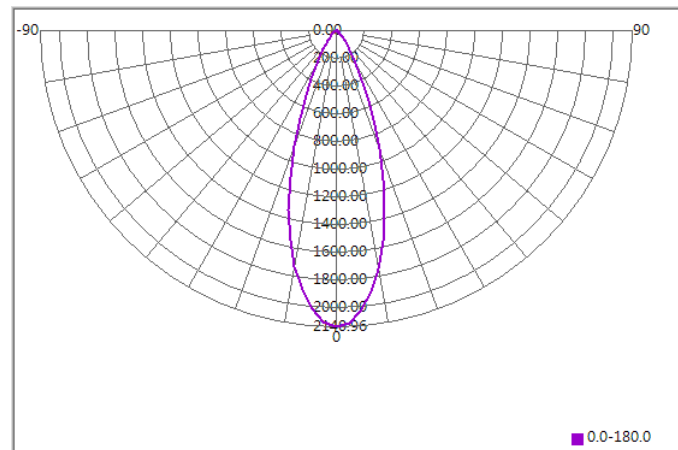




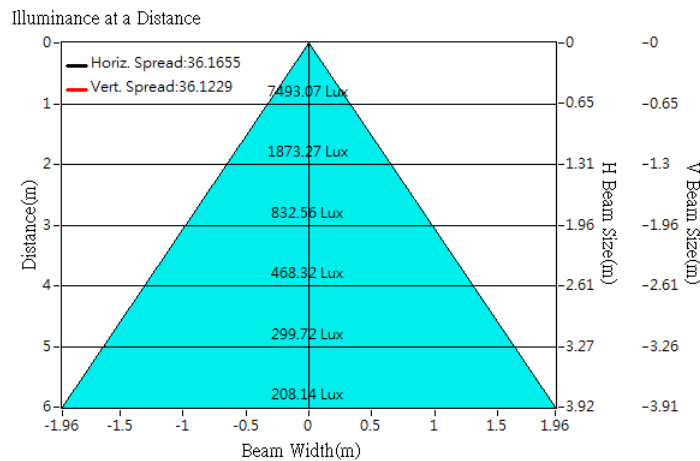
## Optical Characteristics

Model Number	CKO-CH17-075041-0305	<p>"H" definition</p> <p>LES CoB</p>	
LED	<b>CXB1830</b>		
LES / LED Size	Φ 14 mm		
FWHM (D50)	36°		
Field Angle (D10)	66°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	3499 lm		Measured @ 28.1 W
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

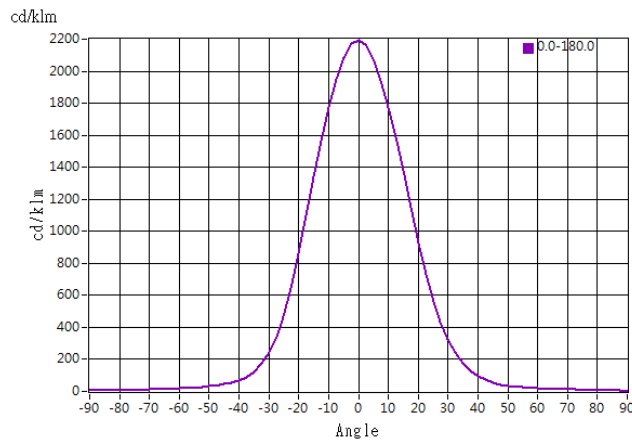




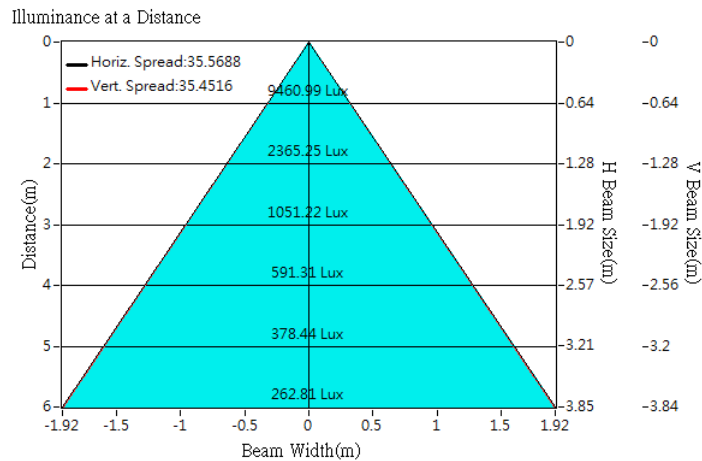
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p>
LED	<b>CMA1840</b>		
LES / LED Size	Φ 14 mm		
FWHM (D50)	36°		
Field Angle (D10)	64°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	4309 lm	Measured @ 38.2 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

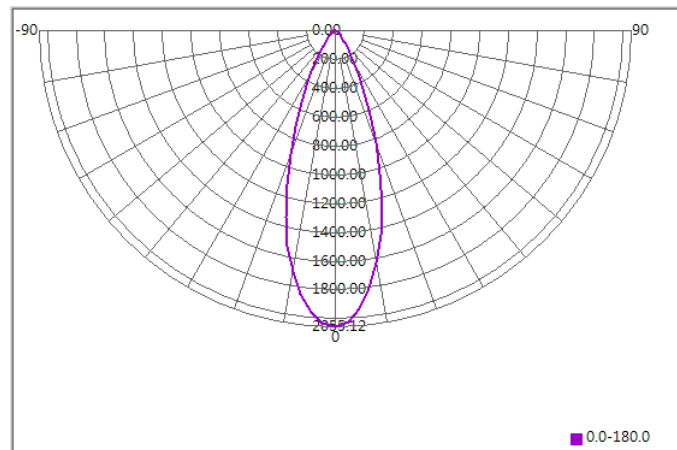




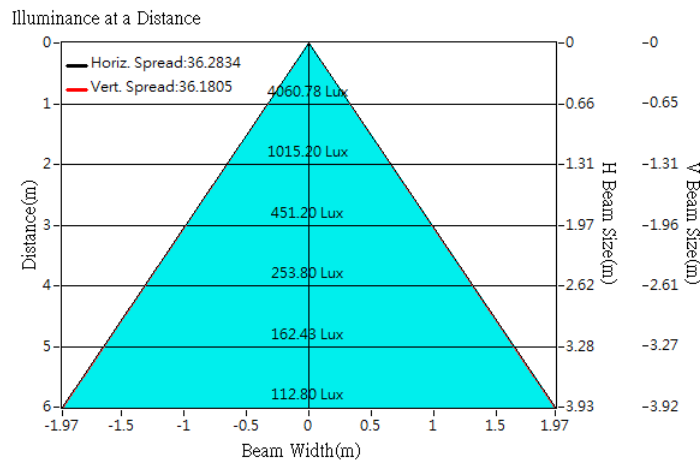
## Optical Characteristics

Model Number	CKO-CH17-075041-0305	<p>"H" definition</p> <p>LES CoB</p>	
LED	<b>CMT1922</b>		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	36°		
Field Angle (D10)	67°		
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

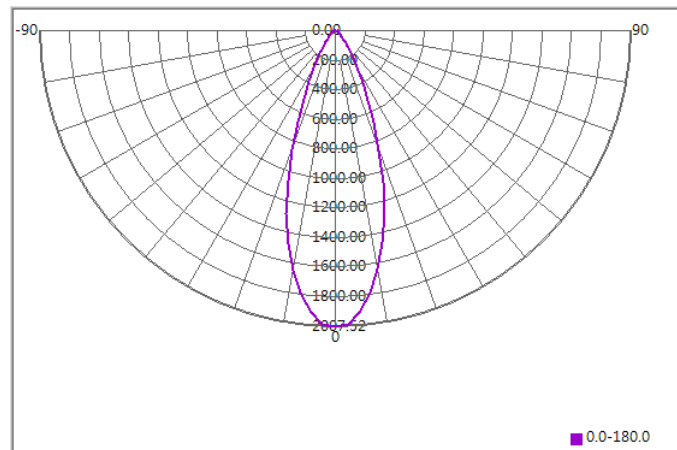




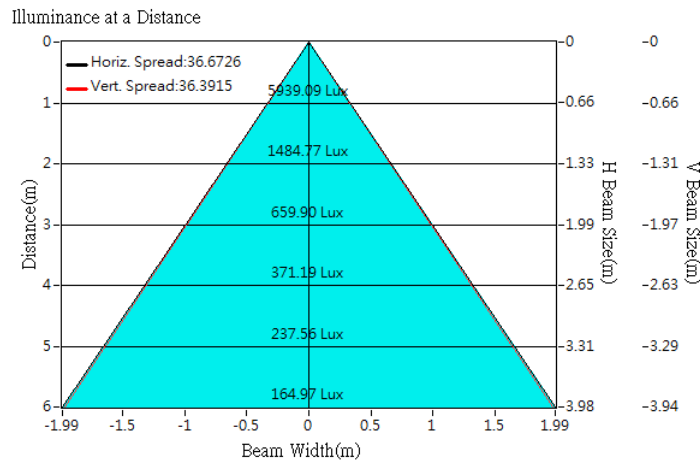
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p> <p>LES CoB</p>
LED	<b>CMT1925</b>		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	37°		
Field Angle (D10)	68°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	2958 lm	Measured @ 25.1 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

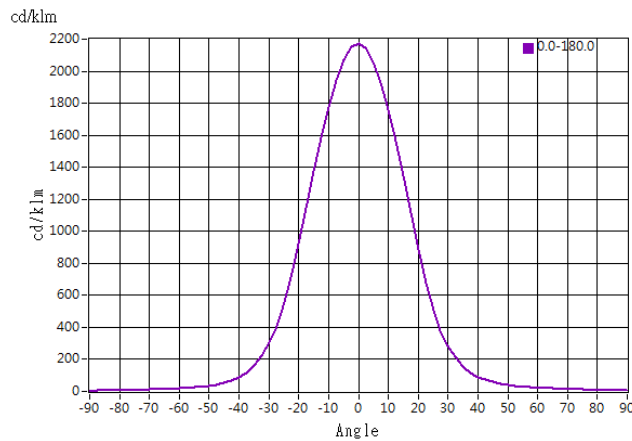




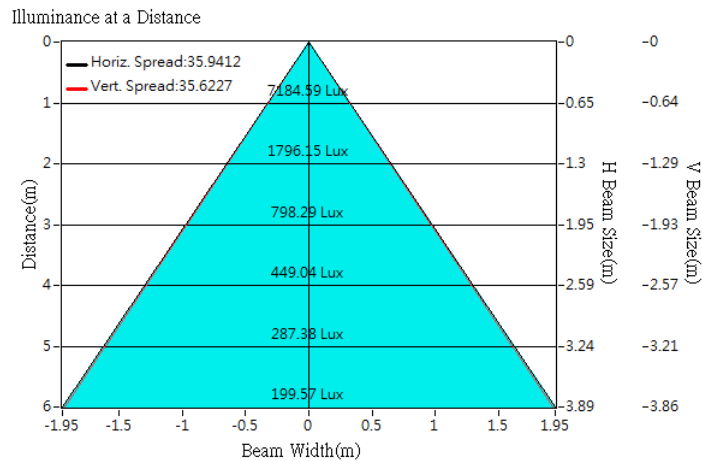
## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p>
LED	<b>CMT1930</b>		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	36°		
Field Angle (D10)	65°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	3304 lm	Measured @ 29.0 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

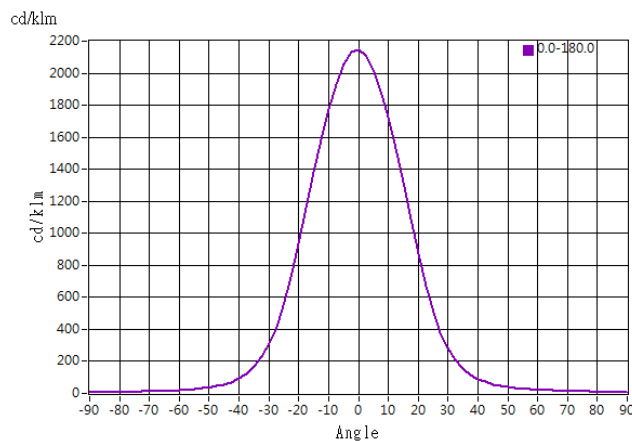




## Optical Characteristics

Model Number	CKO-CH17-075041-0305		<p>"H" definition</p>
LED	<b>CMT1945</b>		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	36°		
Field Angle (D10)	66°		
H (distance)	3.65mm		
Dimension	Φ =75 mm, Thickness=40.6 mm		
Luminous Flux	4851 lm	Measured @ 43.9 W	
Material	PC / UL94V2		

## cd/klm



## Illuminance At Distances

