

**Ordering number CN13193\_LENA-WAS**

Family	Lena	FWHM	Asymmetric degrees
Type	Pack	Efficiency	83 %
LED	CXA15	cd/lm	0.800
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	39.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw, socket		
Status	On production		

Reflector twist-and-locks into included base part that holds COE

**Ordering number CN13194\_LENA-WAS-DL**

Family	Lena	FWHM	Asymmetric degrees
Type	Pack	Efficiency	79 %
LED	CXA15	cd/lm	0.700
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	41.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw, socket		
Status	On production		

Reflector twist-and-locks into included base part that holds COE

**Ordering number CN13248\_LENA-X-WAS**

Family	Lena	FWHM	Asymmetric degrees
Type	Pack	Efficiency	87 %
LED	CXA15	cd/lm	(simulated) 0.000
Color	White	Gerber File	Available
Diameter	111 mm		
Height	39.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw, socket		
Status	On production		

Reflector twist-and-locks into included base part that holds COE

**Ordering number CN13249\_LENA-X-WAS-DL**

Family	Lena	FWHM	Asymmetric degrees
Type	Pack	Efficiency	81 %
LED	CXA15	cd/lm	(simulated) 0.000
Color	White	Gerber File	Available
Diameter	111 mm		
Height	41.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw, socket		
Status	On production		

Reflector twist-and-locks into included base part that holds COE



## PRODUCT DATASHEET

### Lena series

last update 25/2/2013

**NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.**



## PRODUCT DATASHEET

### Lena series

last update 25/2/2013

#### GENERAL INFORMATION

- Product series especially designed & optimized for CXA15 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used materials from below:

[http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400\\_2407\\_2456\\_2458-UL.pdf](http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf)

- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (110 degrees of Celcius / 230 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

D

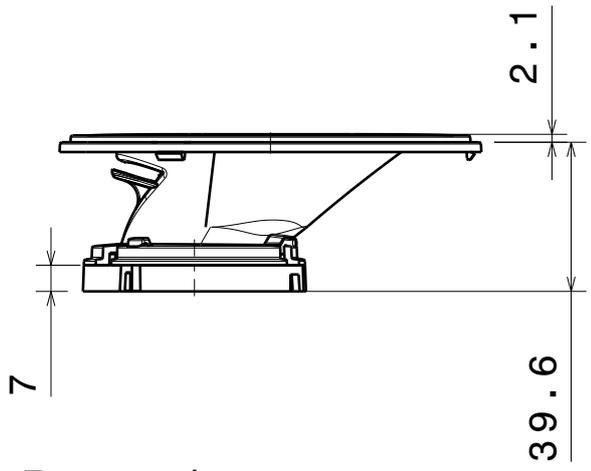
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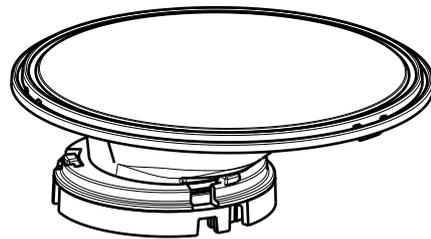
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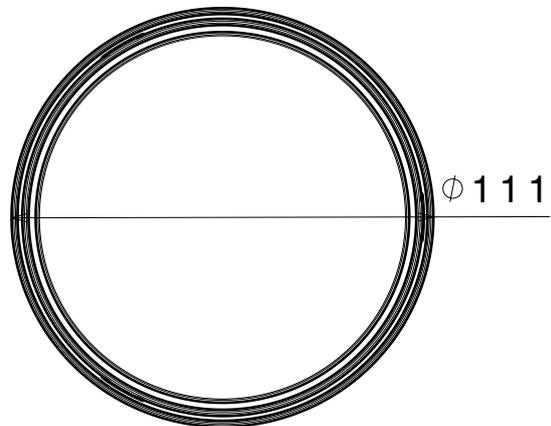
Front view



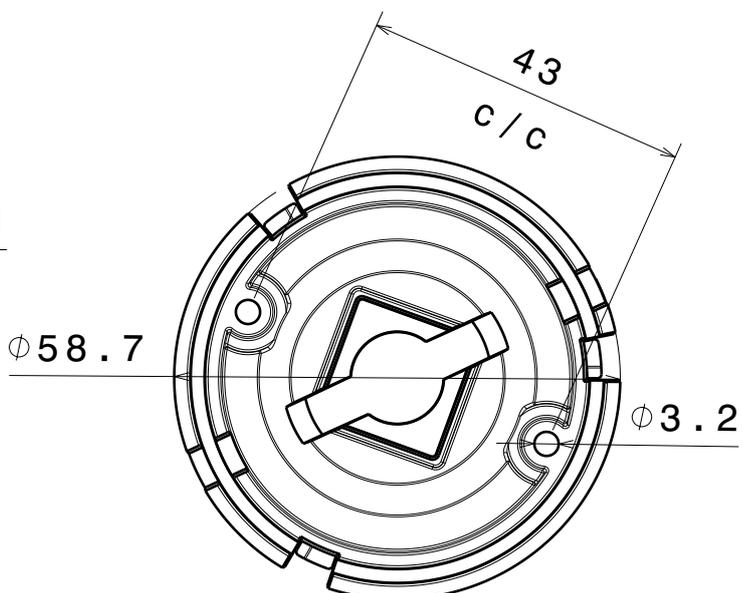
Isometric view

3

3



Top view



2

2

Materials

Reflector: PC  
 Base part: PC  
 Sublens: PC

Note: using additional sublens  
 add 2.1mm to total height

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**LEDiL** LediL Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland

DRAWING TITLE Mechanical drawing

DRAWN BY as  
 DATE 17.10.2012

LENA-WAS-CXA15

CHECKED BY -  
 DATE -

SIZE A4 PART NUMBER - REV 001

DESIGNED BY as  
 DATE -

SCALE 1:2 WEIGHT - g SHEET 1/1

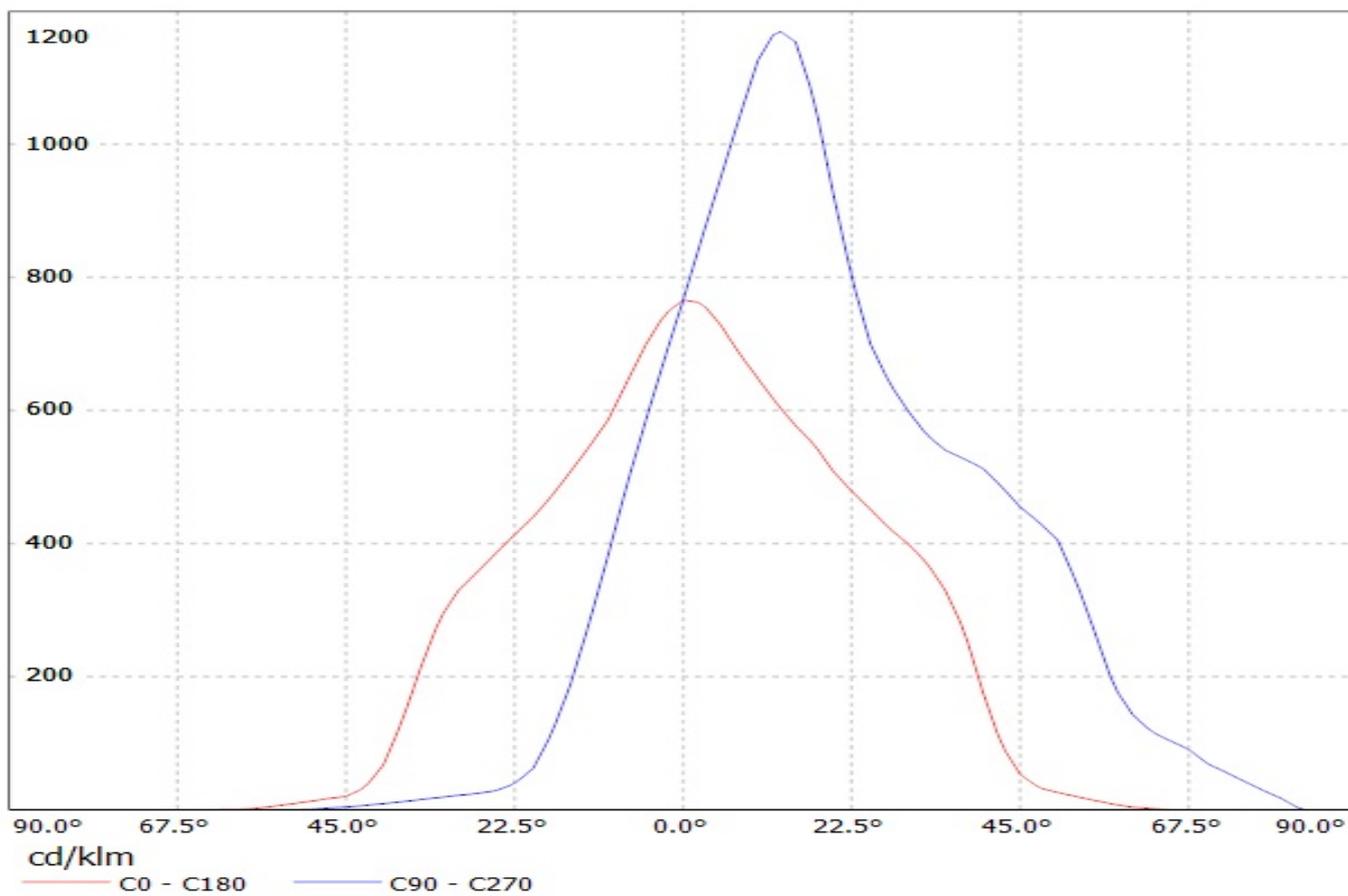
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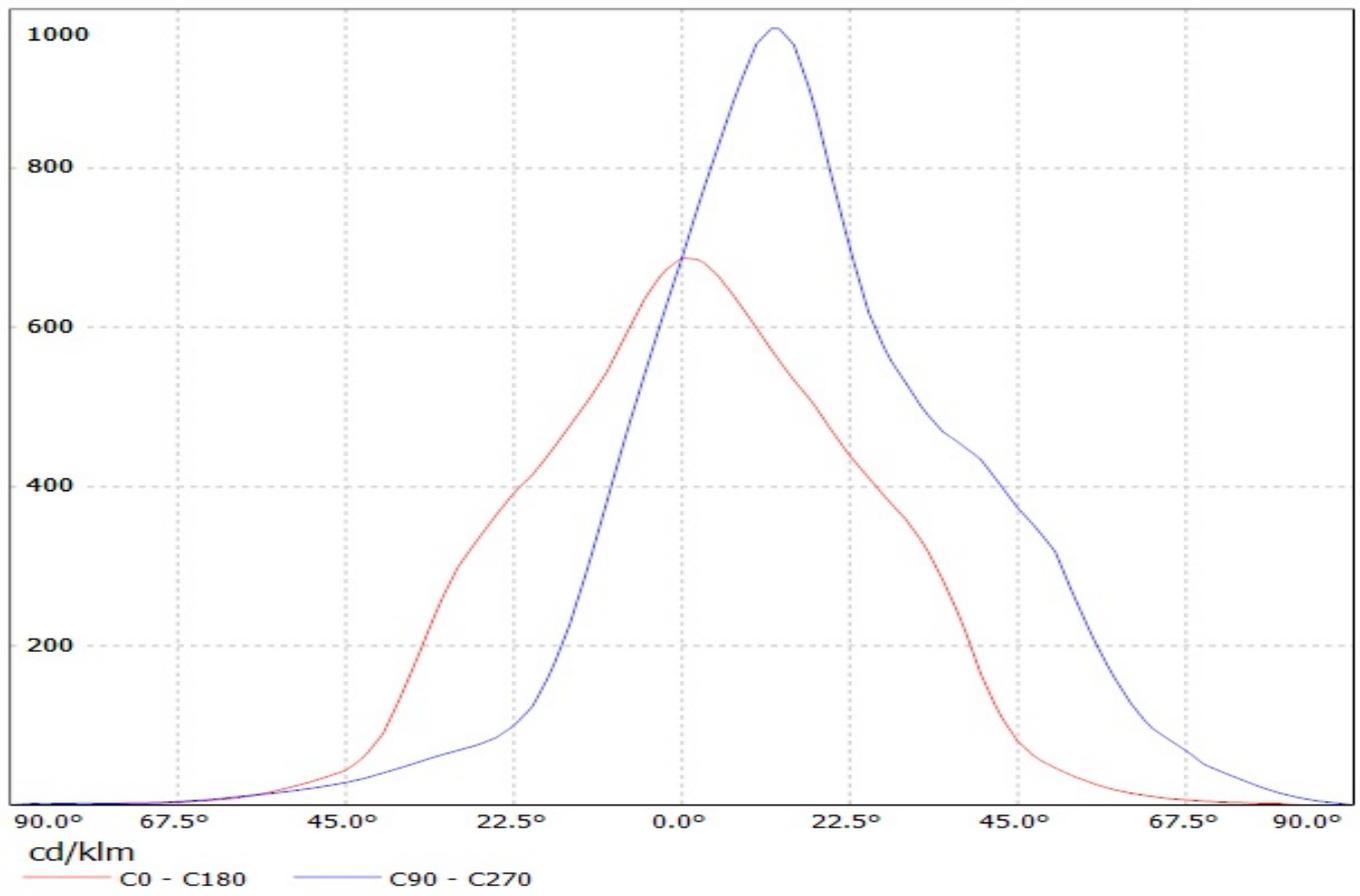
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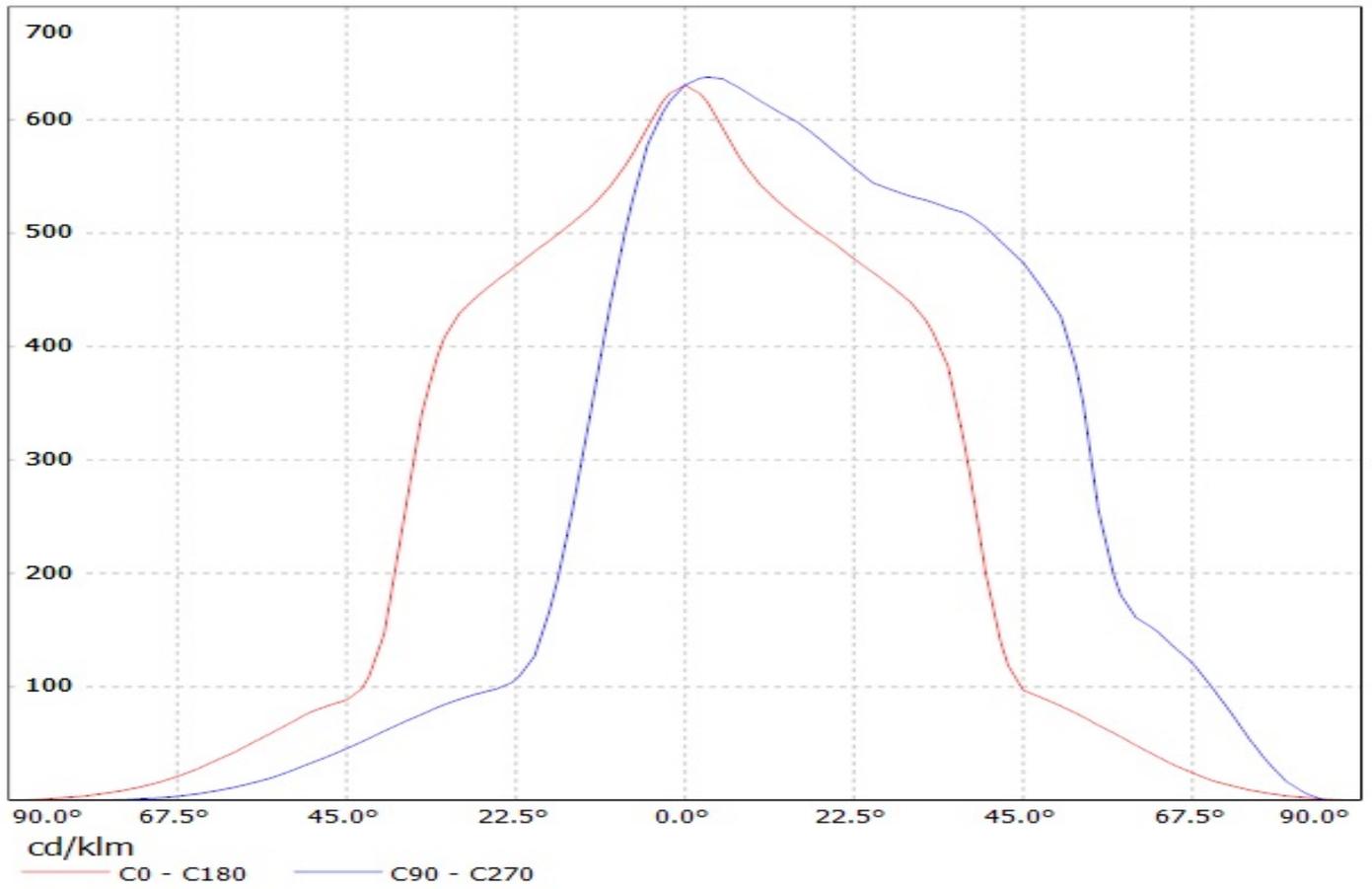
Luminaire: Ledil Oy CN13193\_LENA-WAS (Cree CXA15 212lm @ 250mA) Efficiency=83%  
Lamps: 1 x Cree CXA15 212lm @ 250mA



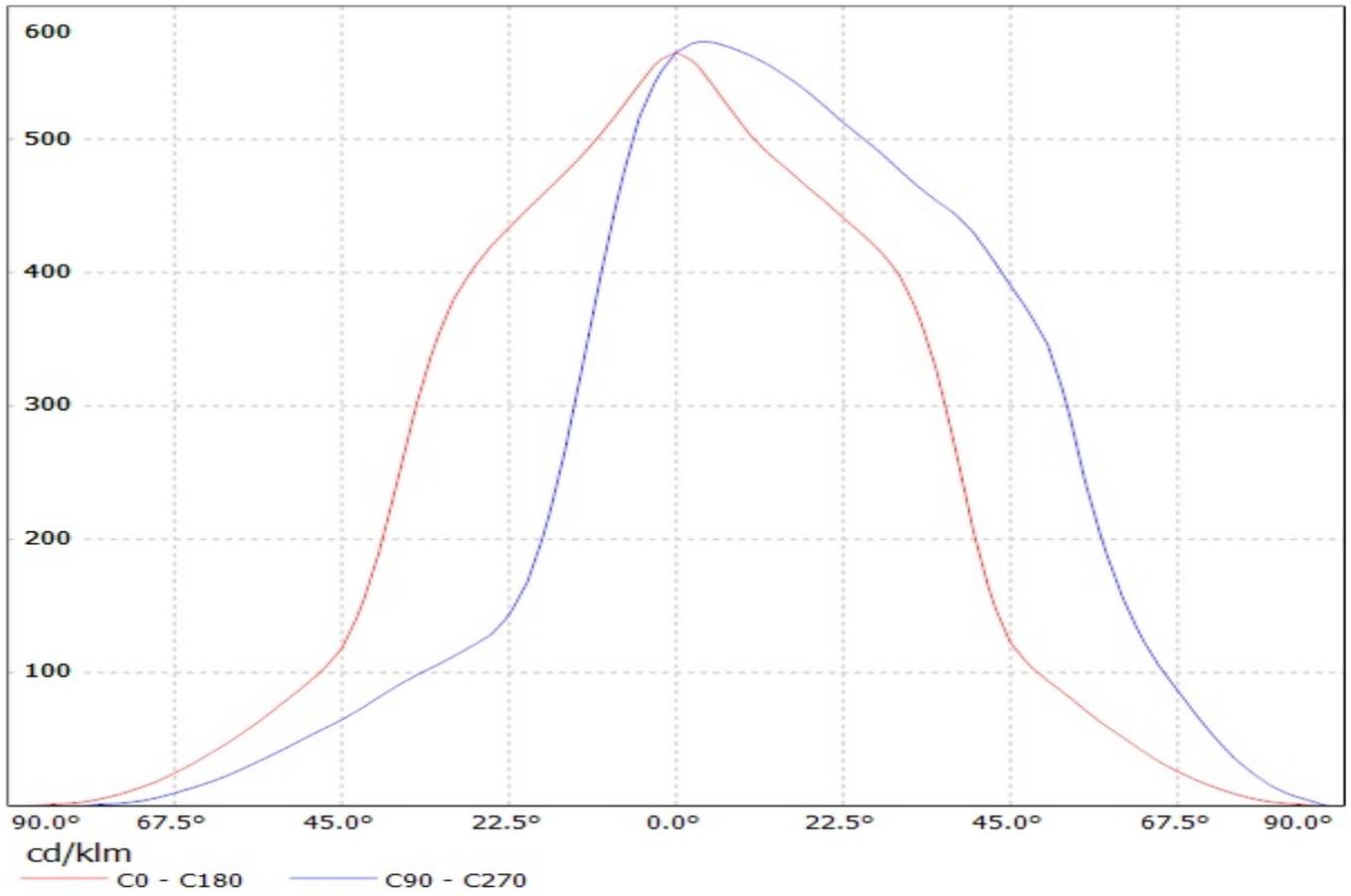
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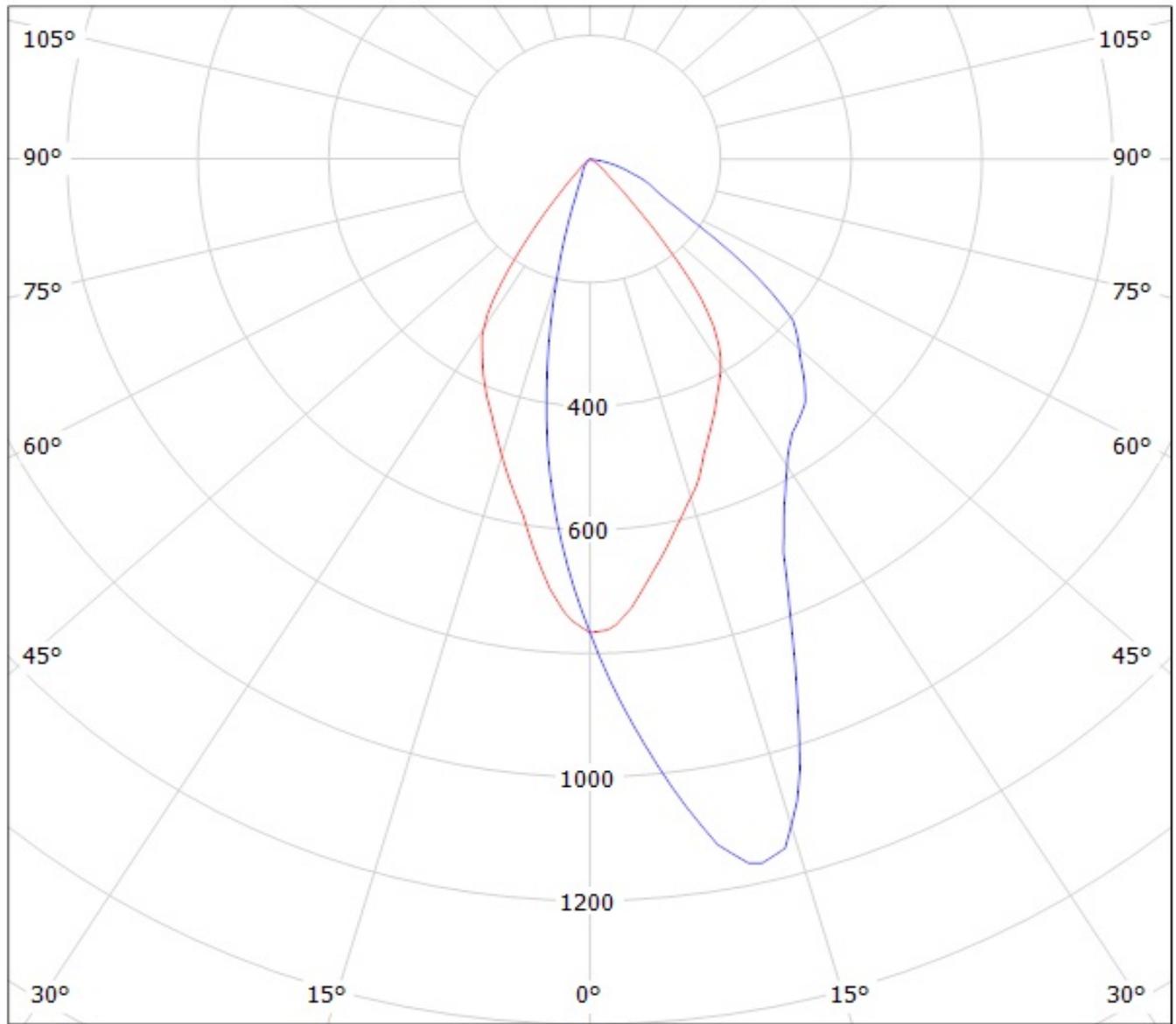
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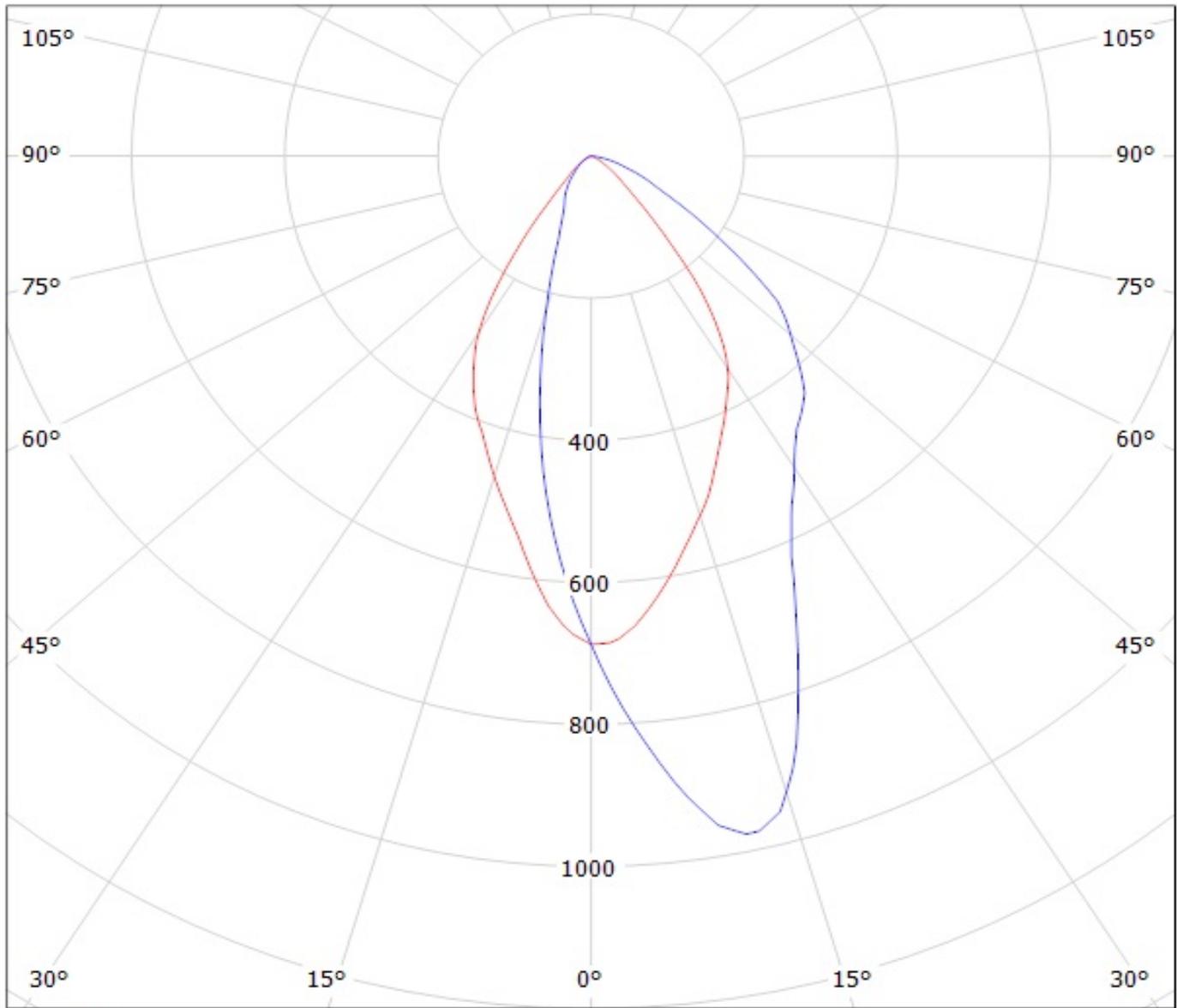


cd/klm

— C0 - C180

— C90 - C270

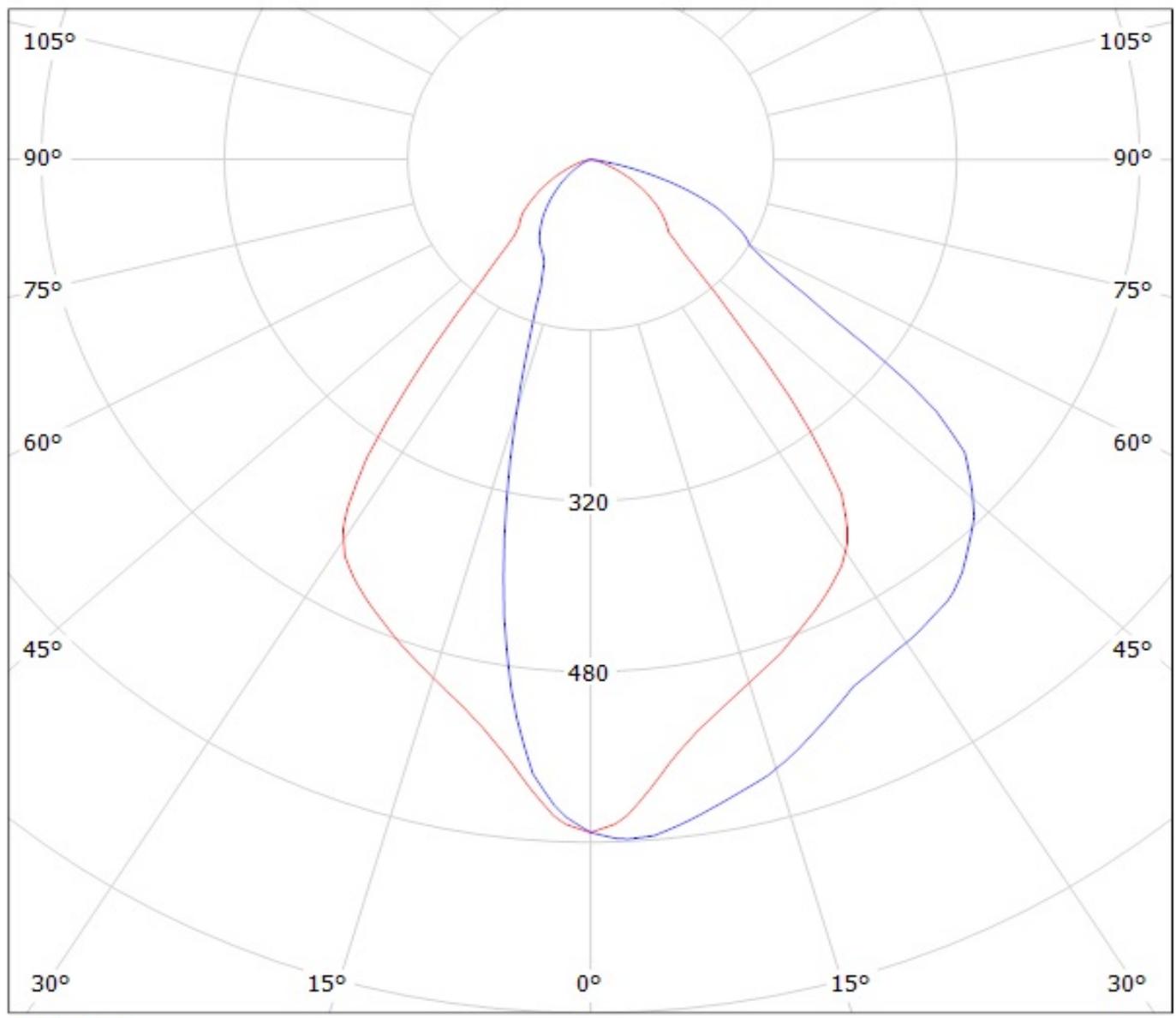
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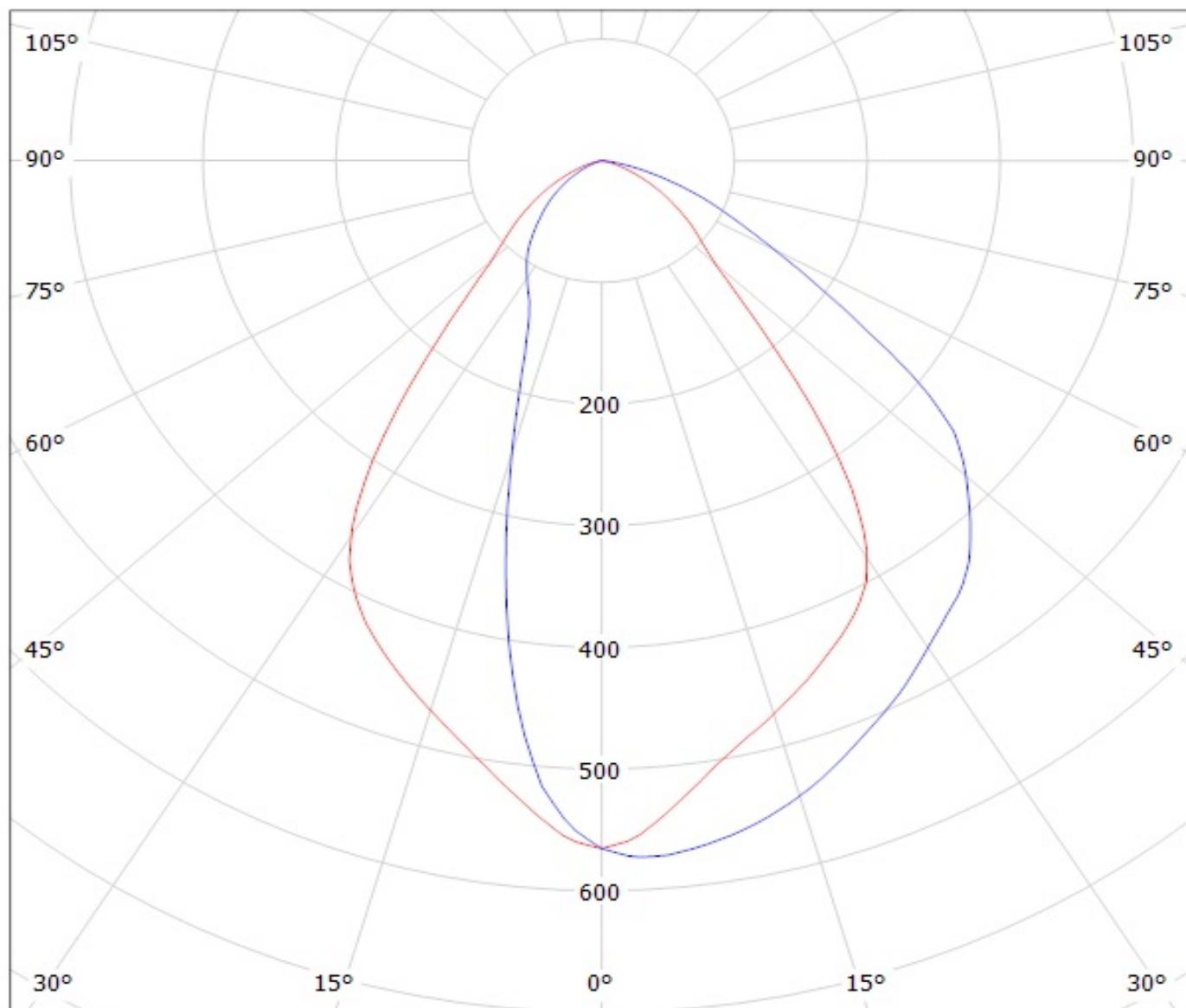
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cd/klm  
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cd/klm

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