

**Product number CN12107\_LENA-S-DL**

Family	Lena	FWHM	11 degrees
Type	RefPack	Efficiency	80 %
LED	CXA2011	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	88.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number CN12167\_LENA-M-DL**

Family	Lena	FWHM	19 degrees
Type	RefPack	Efficiency	78 %
LED	CXA2011	cd/Im	4.100
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	88.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number CN12109\_LENA-W-DL**

Family	Lena	FWHM	42 degrees
Type	RefPack	Efficiency	75 %
LED	CXA2011	cd/Im	-
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	88.6 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**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

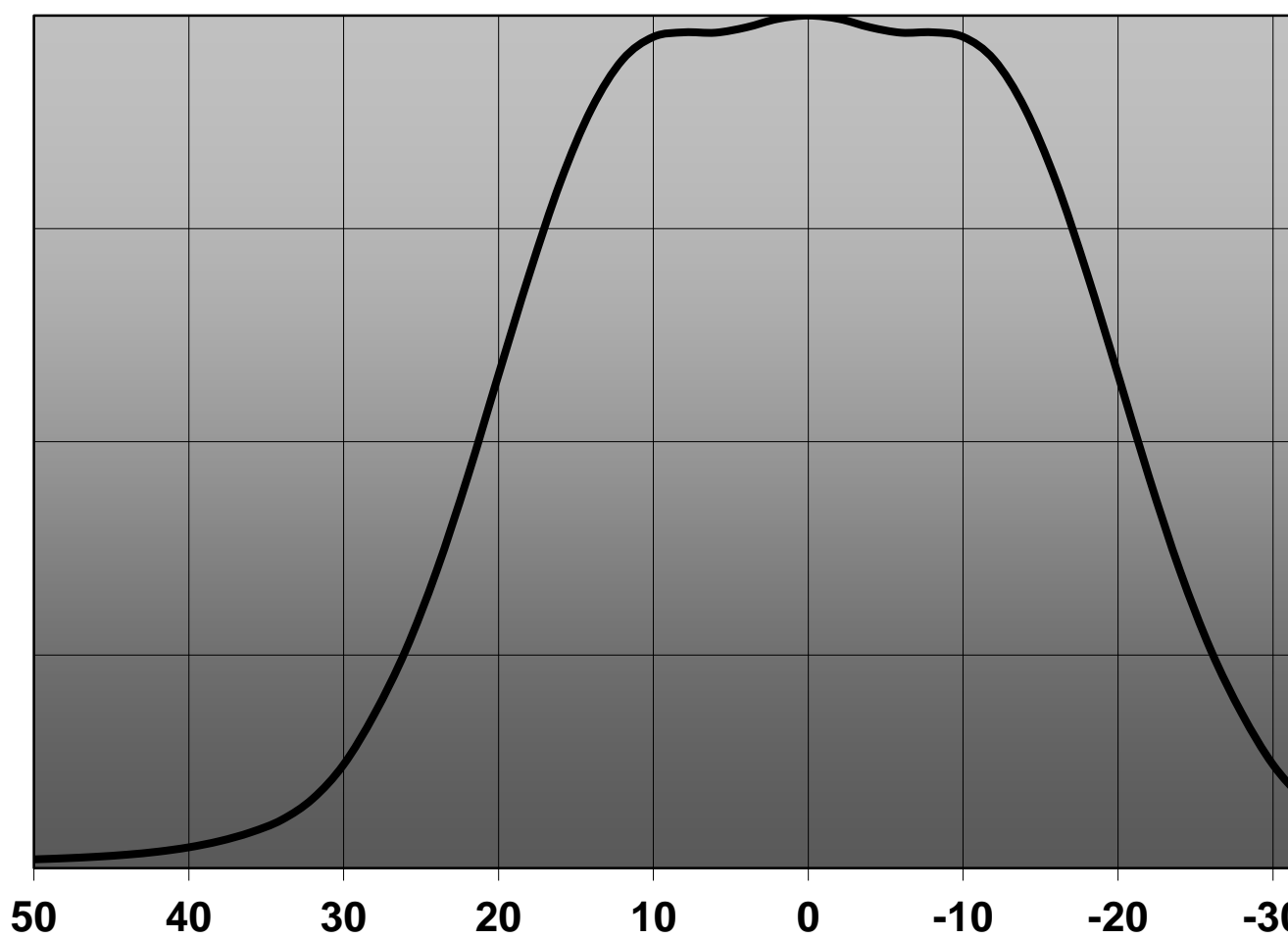
last update 25/6/2014

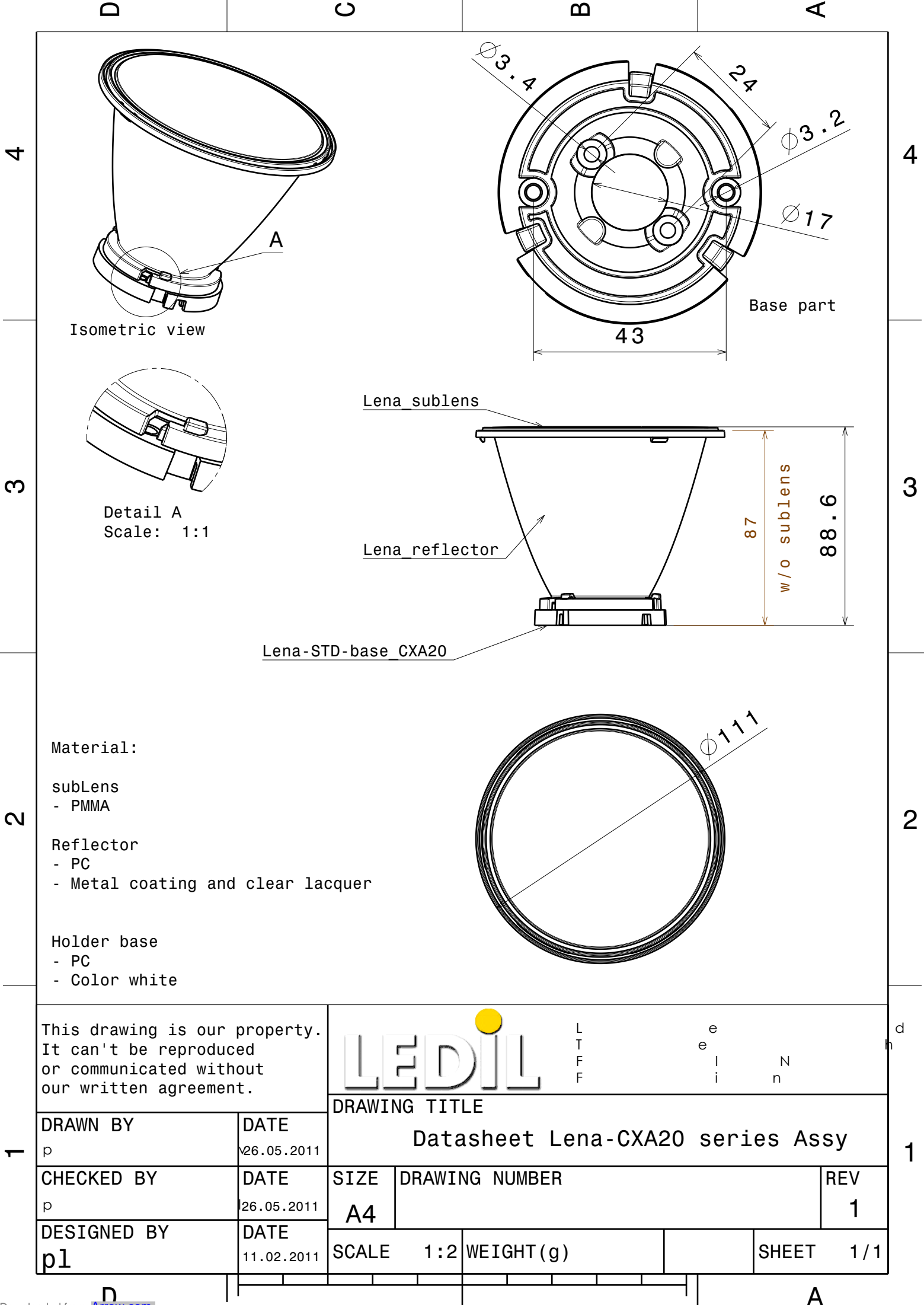
#### GENERAL INFORMATION

- Product series especially designed & optimized for CXA2011 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).

Note! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

Relative intensity of CA12109\_Lena-W-Diffuser-Lens\_C





4

3

2

1

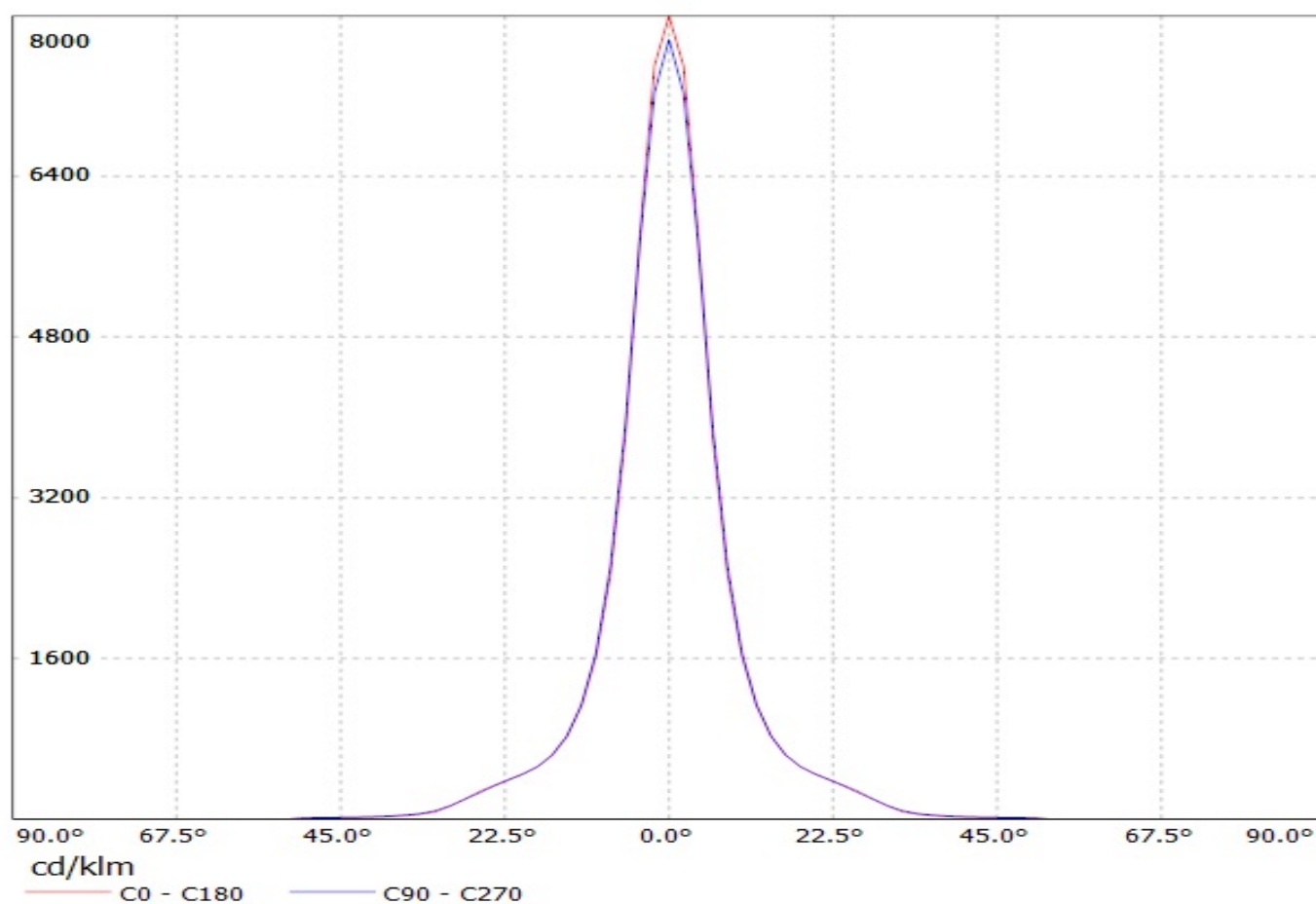
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3

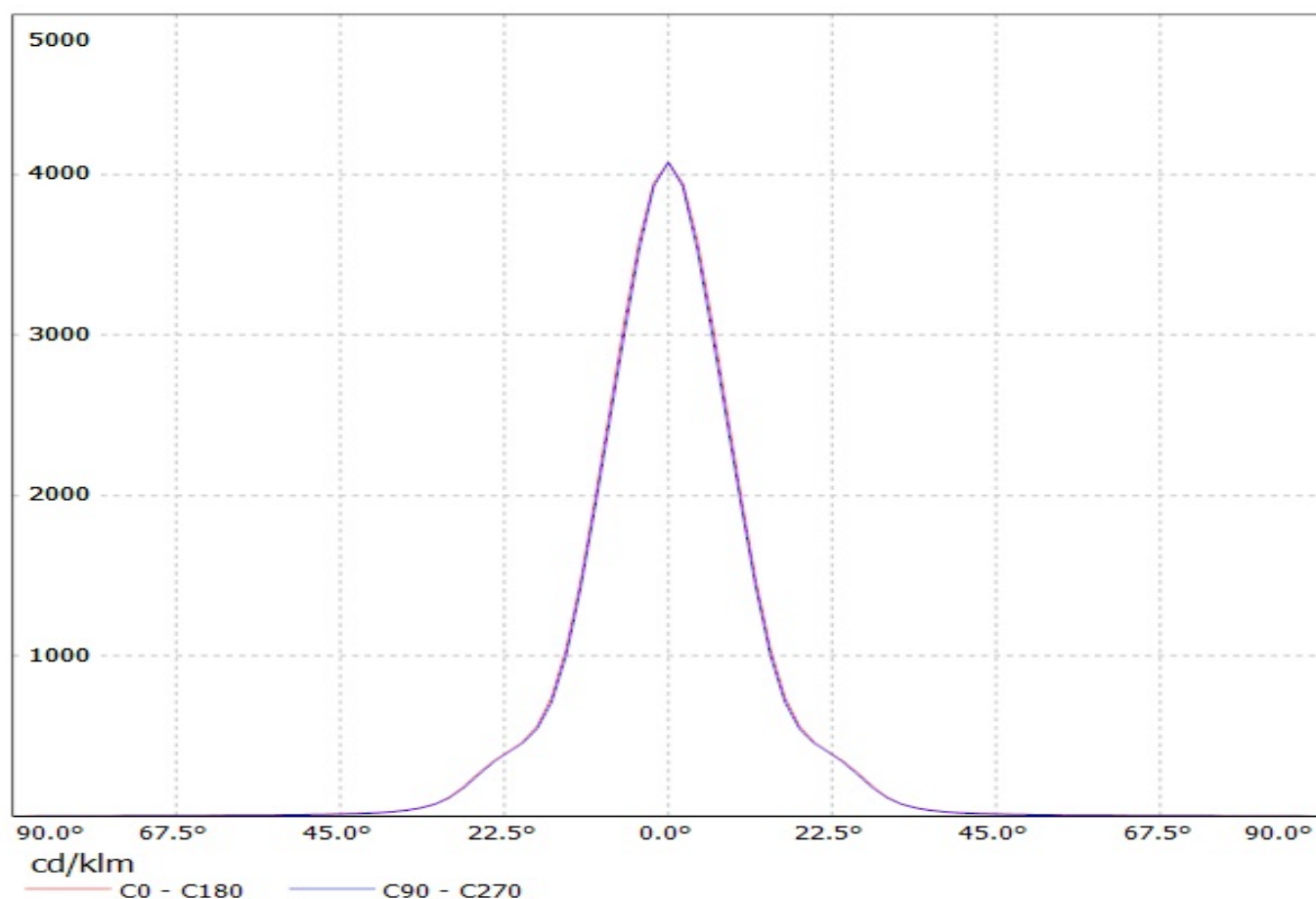
2

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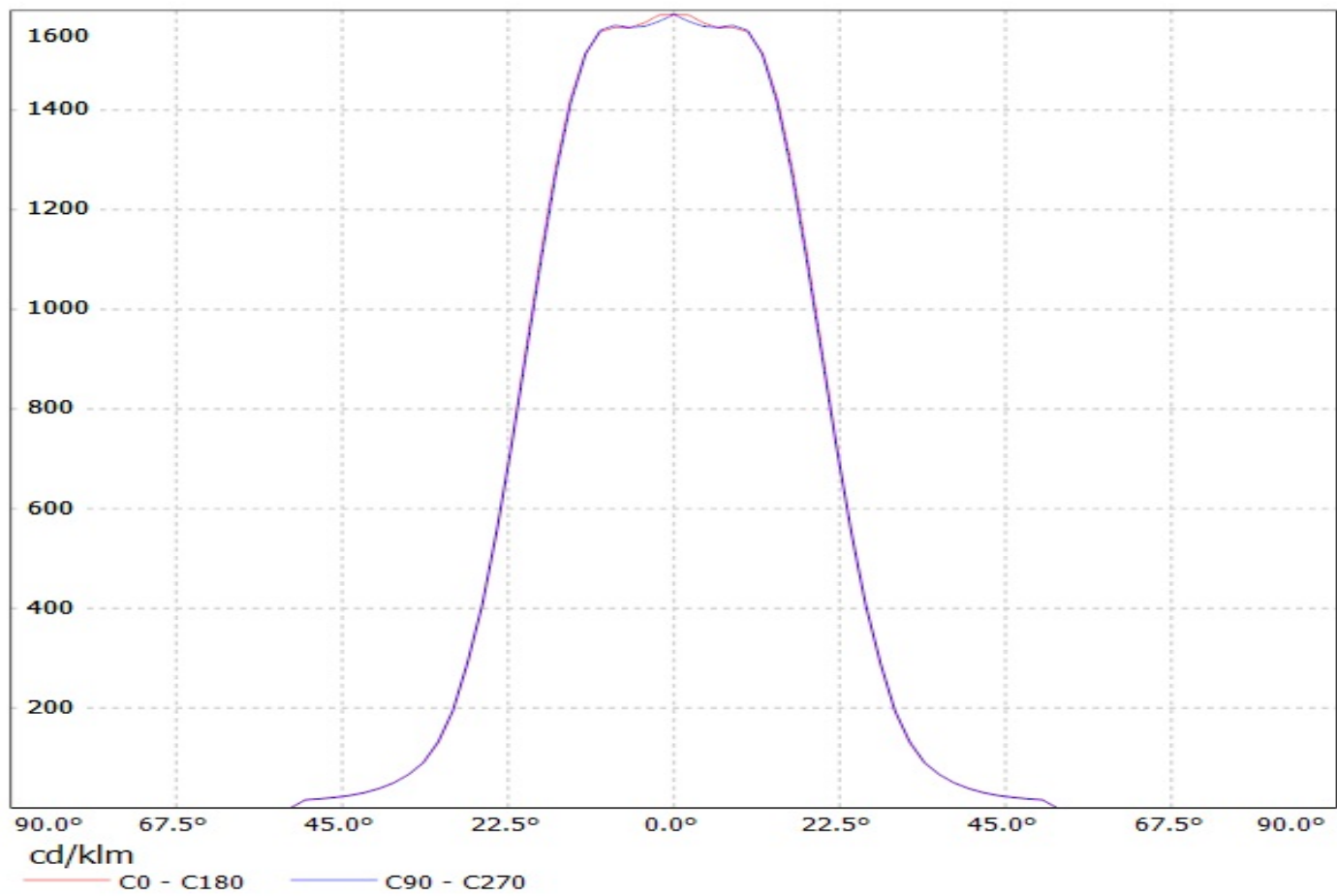
Luminaire: Ledil Oy CA12107\_Lena-S-Diffuser-Lens\_CXA20 CA12107\_Lena-S-Diffuser-Lens\_CXA20  
Lamps: 1 x Cree-CXA20



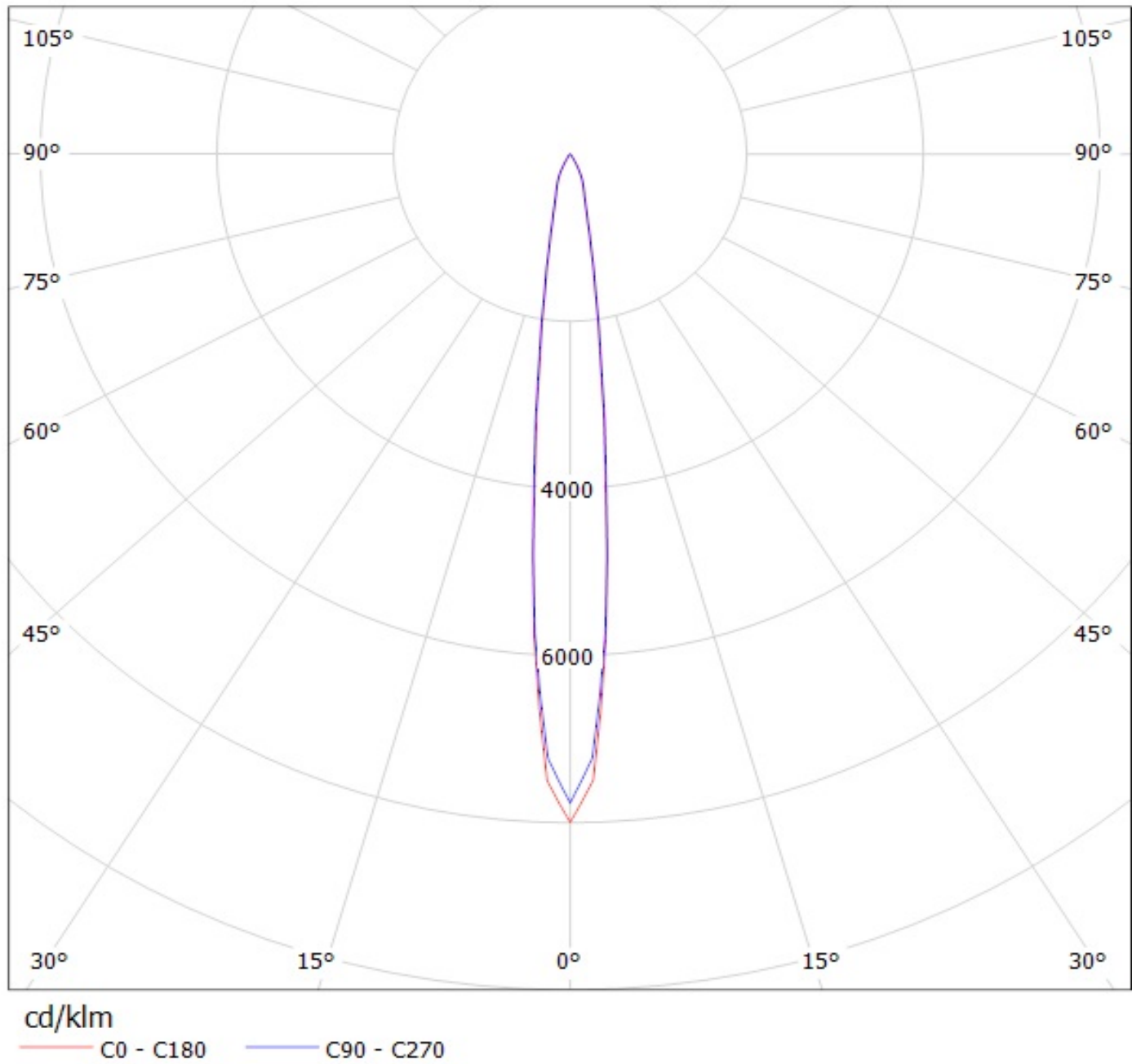
Luminaire: Ledil Oy CA12167\_Lena-M-Diffuser-Lens\_CXA20 CA12167\_Lena-M-Diffuser-Lens\_CXA20  
Lamps: 1 x Cree CXA20 250mA 819lm



Luminaire: Ledil Oy CA12109\_Lena-W-Diffuser-Lens\_CXA20 CA12109\_Lena-W-Diffuser-Lens\_CXA20  
Lamps: 1 x Cree CXA20

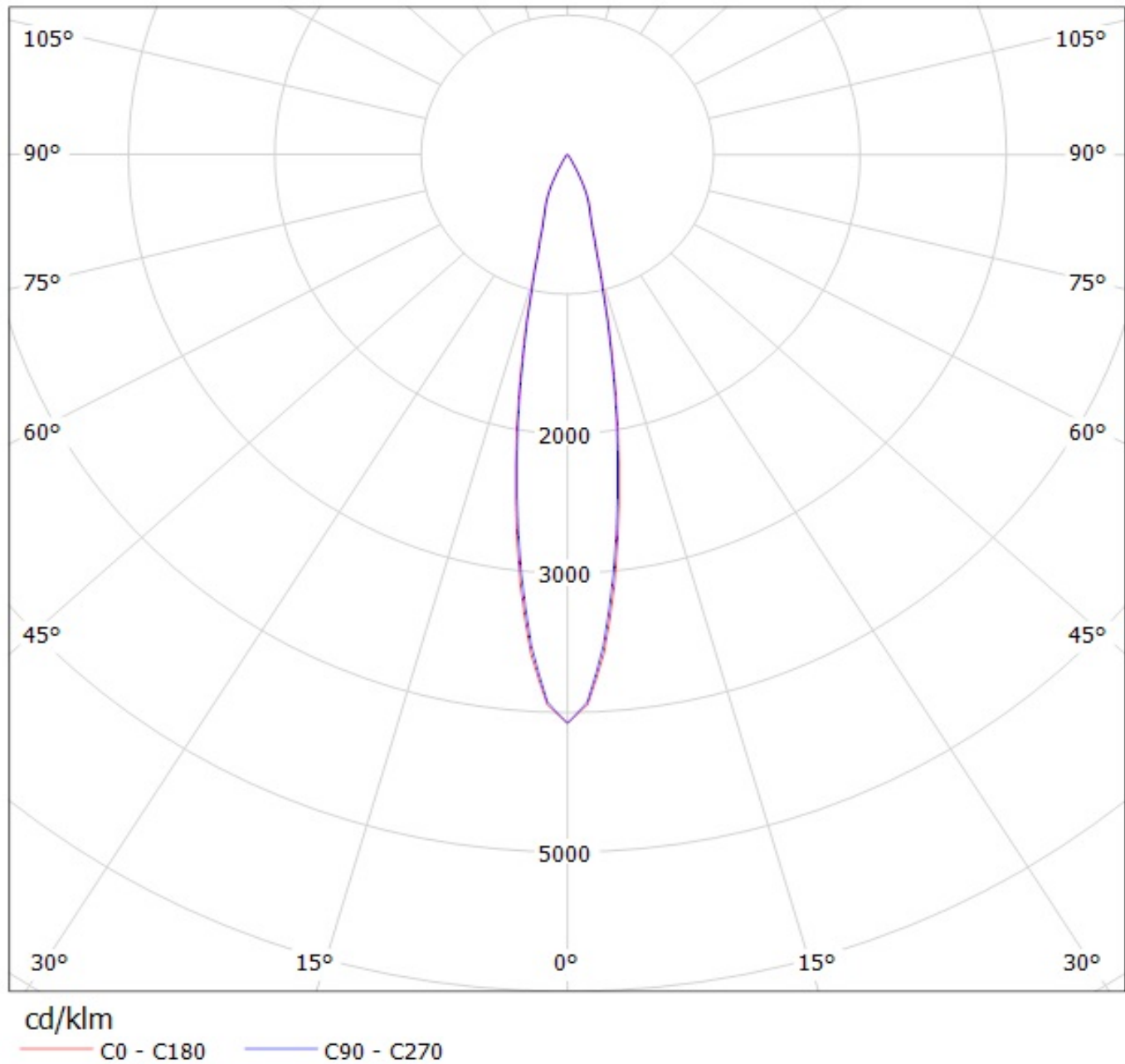


Luminaire: Ledil Oy CA12107\_Lena-S-Diffuser-Lens\_CXA20 CA12107\_Lena-S-Diffuser-Lens\_CXA20  
Lamps: 1 x Cree-CXA20





Luminaire: Ledil Oy CA12167\_Lena-M-Diffuser-Lens\_CXA20 CA12167\_Lena-M-Diffuser-Lens\_CXA20  
Lamps: 1 x Cree CXA20 250mA 819lm



Luminaire: Ledil Oy CA12109\_Lena-W-Diffuser-Lens\_CXA20 CA12109\_Lena-W-Diffuser-Lens\_CXA20  
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