

**Product number CP13136_LARISA-O-CLIP16**

Family	Larisa	FWHM	23+40 degrees
Type	Assembly	Efficiency	81 %
LED	NF2x757A	cd/Im	2.000
Color	Black	Gerber File	Available
Diameter	9.9 + 9.9 mm	Clip fastening for 1.6mm PCB.	
Height	7.3 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	""		
Status	Production ready		

**Product number CP13135_LARISA-M-CLIP16**

Family	Larisa	FWHM	30 degrees
Type	Assembly	Efficiency	88 %
LED	NF2x757A	cd/Im	2.200
Color	Black	Gerber File	Available
Diameter	9.9 + 9.9 mm	Clip fastening for 1.6mm PCB.	
Height	7.3 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	""		
Status	Production ready		

**Product number CP13667_LARISA-RZ-CLIP16**

Family	Larisa	FWHM	30 degrees
Type	Assembly	Efficiency	77 %
LED	NF2x757A	cd/Im	1.900
Color	Black	Gerber File	Available
Diameter	9.9x9.9 mm		
Height	7.5 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["clips"]		
Status	Production ready		

**Product number CP12940_LARISA-M-CLIP8**

Family	Larisa	FWHM	31 degrees
Type	Assembly	Efficiency	84 %
LED	NF2x757A	cd/Im	2.140
Color	Black	Gerber File	Available
Diameter	9.9 + 9.9 mm	Clip fastening for 0.8mm PCB.	
Height	7.5 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["clips"]		
Status	Production ready		

**Product number CP12944_LARISA-W-CLIP8**

Family	Larisa	FWHM	37 degrees
Type	Assembly	Efficiency	84 %
LED	NF2x757A	cd/Im	1.660
Color	Black	Gerber File	Available
Diameter	9.9 x 9.9 mm	Clip fastening for 0,8mm PCB.	
Height	7.5 mm		
Style	Square		
Optic Material	PC,PMMA		
Holder Material	-		
Fastening	["glue", "clips"]		
Status	Production ready		

**Product number CP13137_LARISA-W-CLIP16**

Family	Larisa	FWHM	40 degrees
Type	Assembly	Efficiency	89 %
LED	NF2x757A	cd/Im	1.600
Color	Black	Gerber File	Available
Diameter	9.9 + 9.9 mm	Clip fastening for 1.6mm PCB.	
Height	7.3 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	""		
Status	Production ready		

**Product number CP12942_LARISA-O-CLIP8**

Family	Larisa	FWHM	41+33 degrees
Type	Assembly	Efficiency	78 %
LED	NF2x757A	cd/Im	1.950
Color	Black	Gerber File	Available
Diameter	9.9 + 9.9 mm	Clip fastening for 0,8mm PCB.	
Height	7.5 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["clips"]		
Status	Production ready		

**Product number CP12946_LARISA-WW-CLIP8**

Family	Larisa	FWHM	49 degrees
Type	Assembly	Efficiency	87 %
LED	NF2x757A	cd/Im	1.230
Color	Black	Gerber File	Available
Diameter	10x10 mm	Clip fastening for 0.8mm PCB.	
Height	7.5 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "clips"]		
Status	Production ready		

**Product number** CP13138_LARISA-WW-CLIP16

Family	Larisa	FWHM	54 degrees
Type	Assembly	Efficiency	89 %
LED	NF2x757A	cd/Im	1.000
Color	Black	Gerber File	Available
Diameter	9.9 + 9.9 mm	Clip fastening for 1.6mm PCB.	
Height	7.3 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["clips"]		
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

Larisa series

last update 9/12/2016

GENERAL INFORMATION

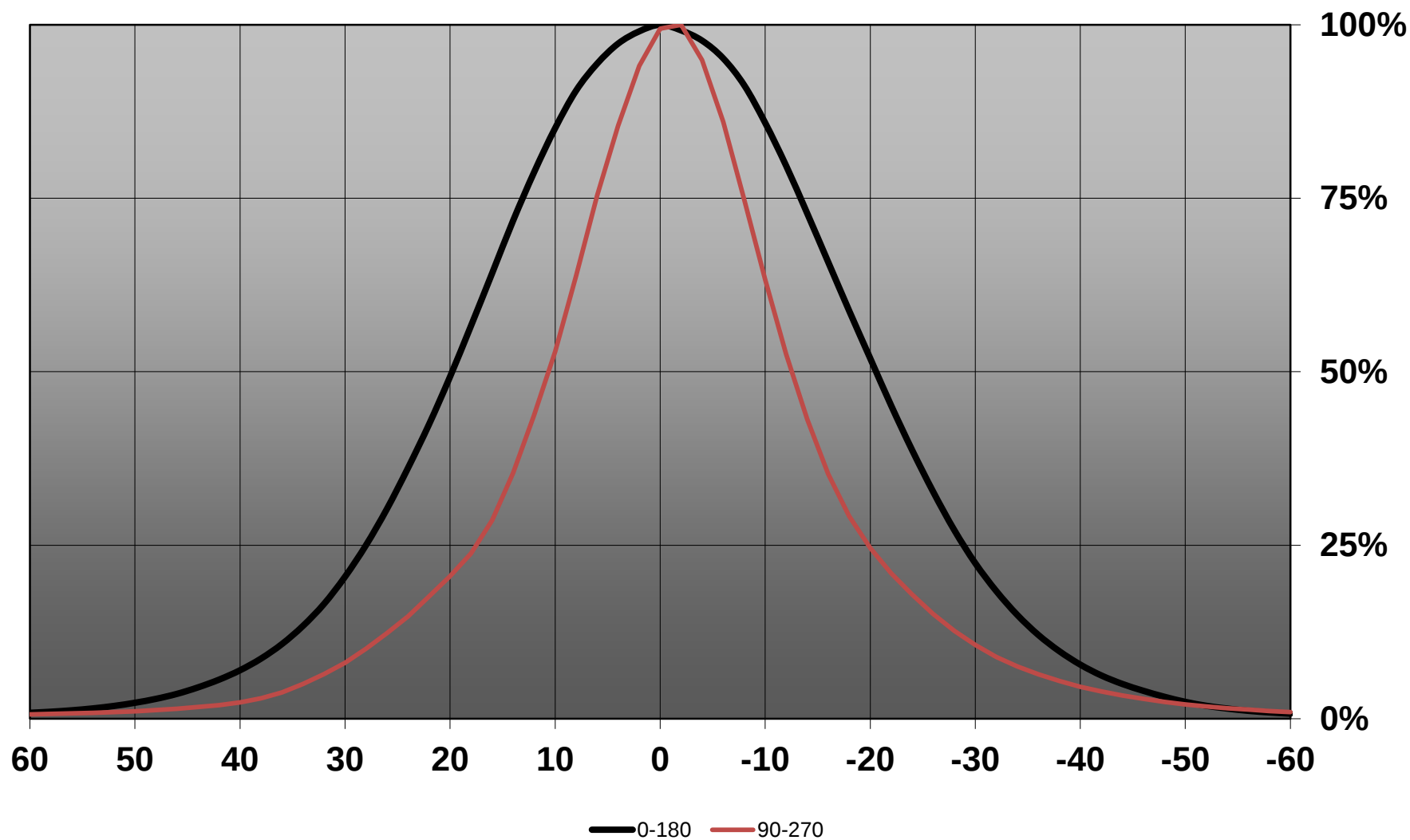
- Product series especially designed & optimized for NF2x757A series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

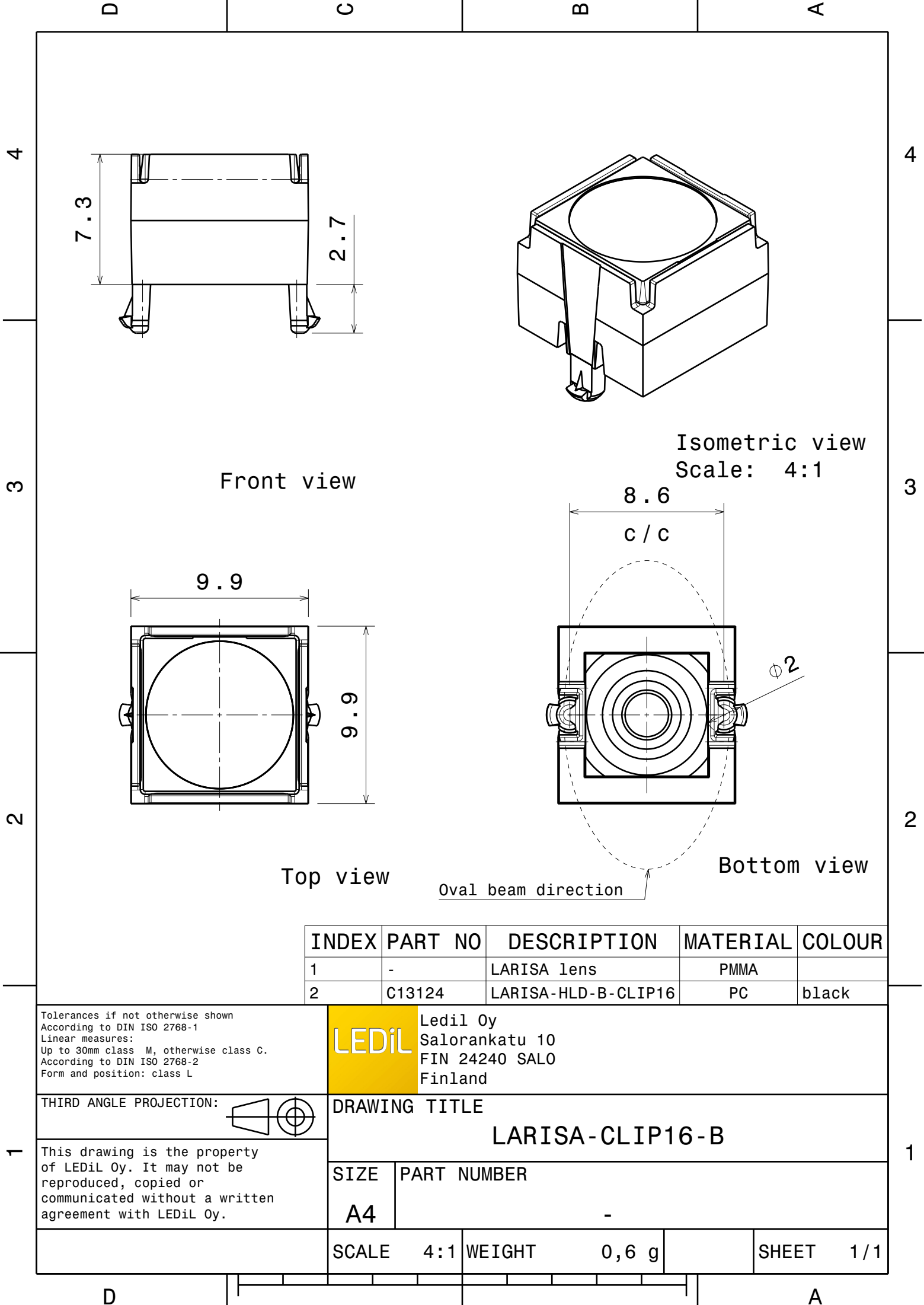
Please find more information about used material from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

Relative intensity of CP13136_LARISA-O-CLIP16-757





Front view

Isometric view
Scale: 4:1

Top view

Bottom view

Oval beam direction

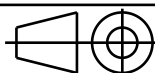
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	LARISA lens	PMMA	
2	C13124	LARISA-HLD-B-CLIP16	PC	black

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

LARISA-CLIP16-B

This drawing is the property
of LEDiL Oy. It may not be
reproduced, copied or
communicated without a written
agreement with LEDiL Oy.

SIZE PART NUMBER

A4

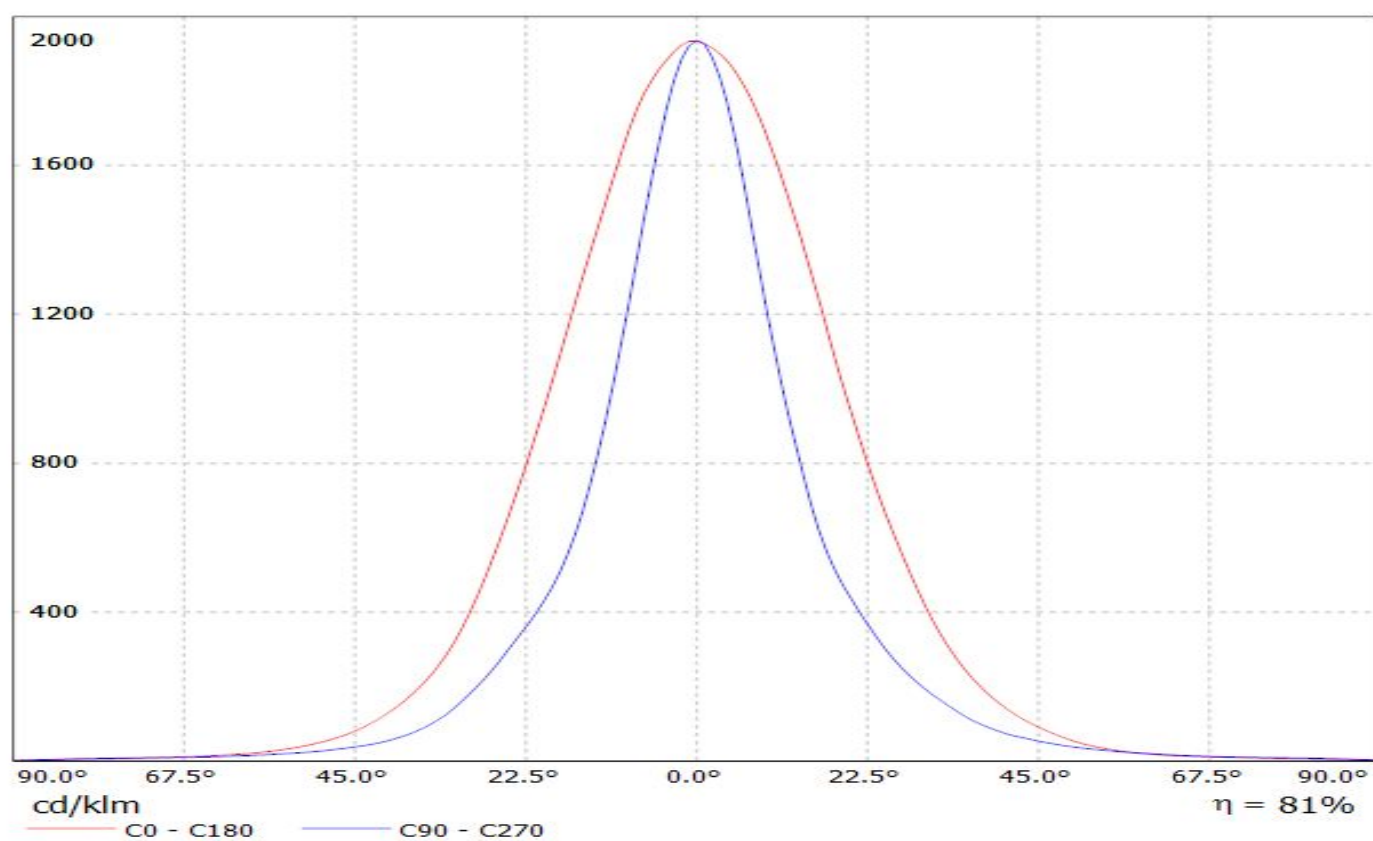
-

SCALE 4:1 WEIGHT 0,6 g SHEET 1/1

LEDiL Oy CP13136_LARISA-O-CLIP16_(N757) Eff.80.7% / LDC (Linear)

Luminaire: LEDiL Oy CP13136_LARISA-O-CLIP16_(N757) Eff.80.7%

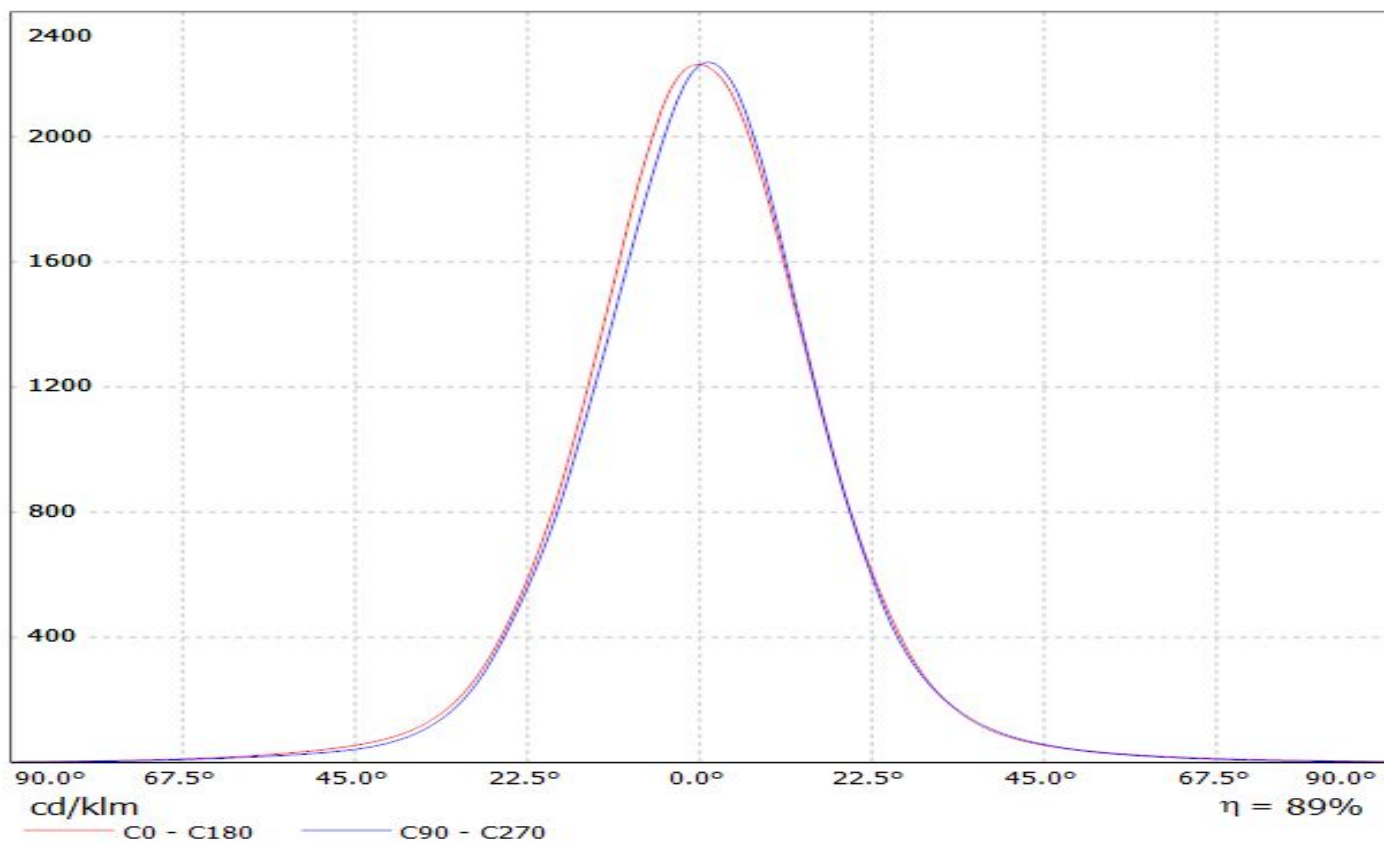
Lamps: 1 x N757 (70.0194lm@100mA)



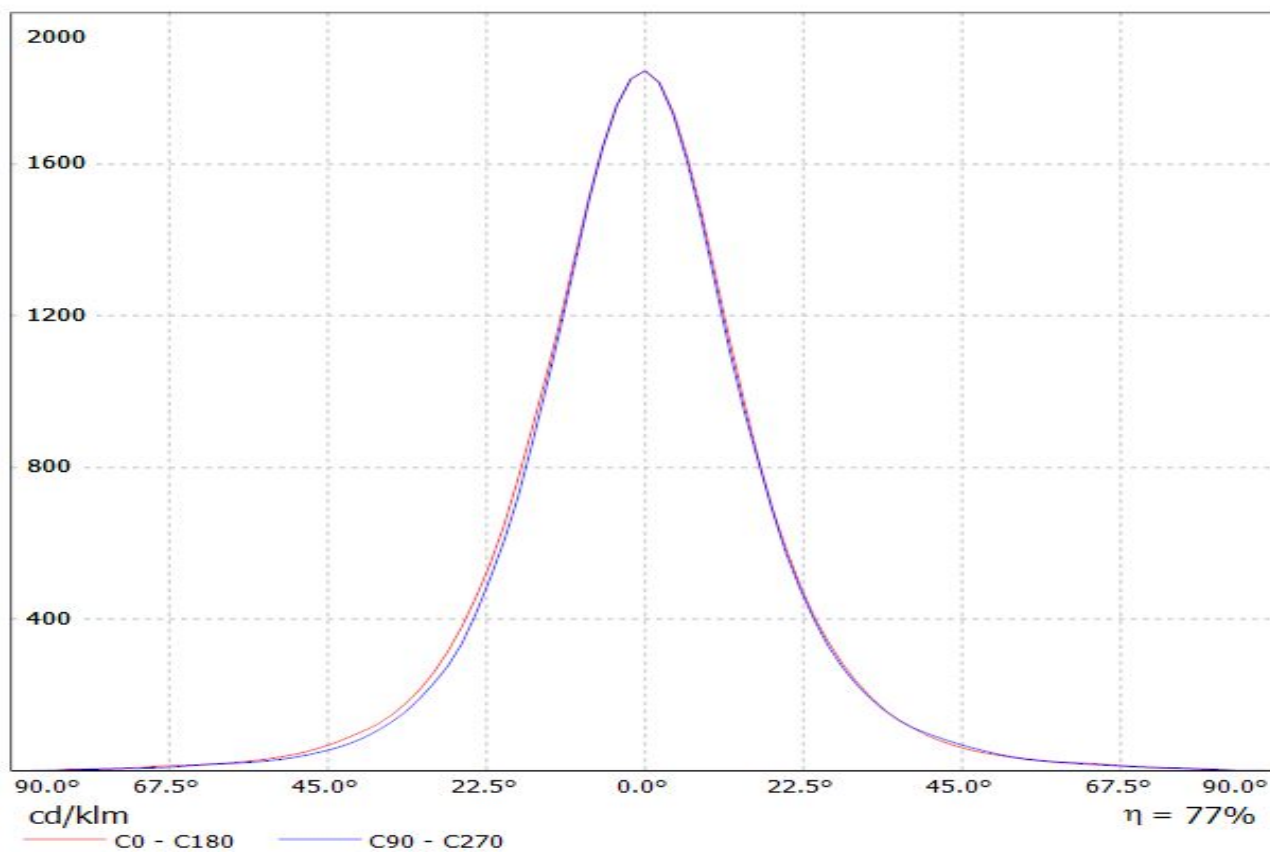
LEDiL Oy CP13135_LARISA-M-CLIP16_(N757) Eff.88.6% / LDC (Linear)

Luminaire: LEDiL Oy CP13135_LARISA-M-CLIP16_(N757) Eff.88.6%

Lamps: 1 x N757 (70.0194lm@100mA)



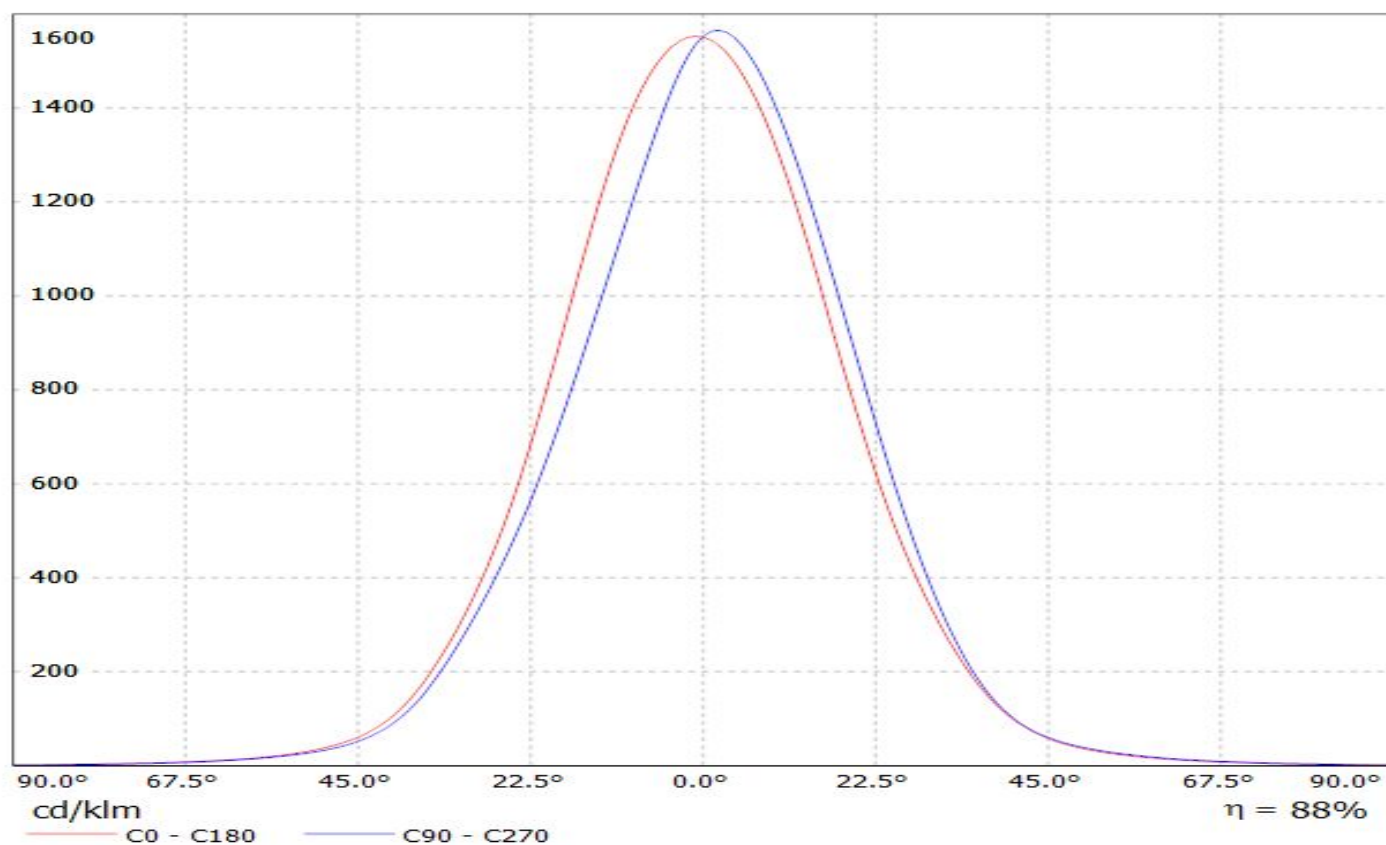
Luminaire: Ledil Oy CP13667_LARISA-RZ-CLIP16 Eff. 77%
Lamps: 1 x Nichia NF2x757 (67lm@100mA)



LEDiL Oy CP13137_LARISA-W-CLIP16_(N757) Eff.88.0% / LDC (Linear)

Luminaire: LEDiL Oy CP13137_LARISA-W-CLIP16_(N757) Eff.88.0%

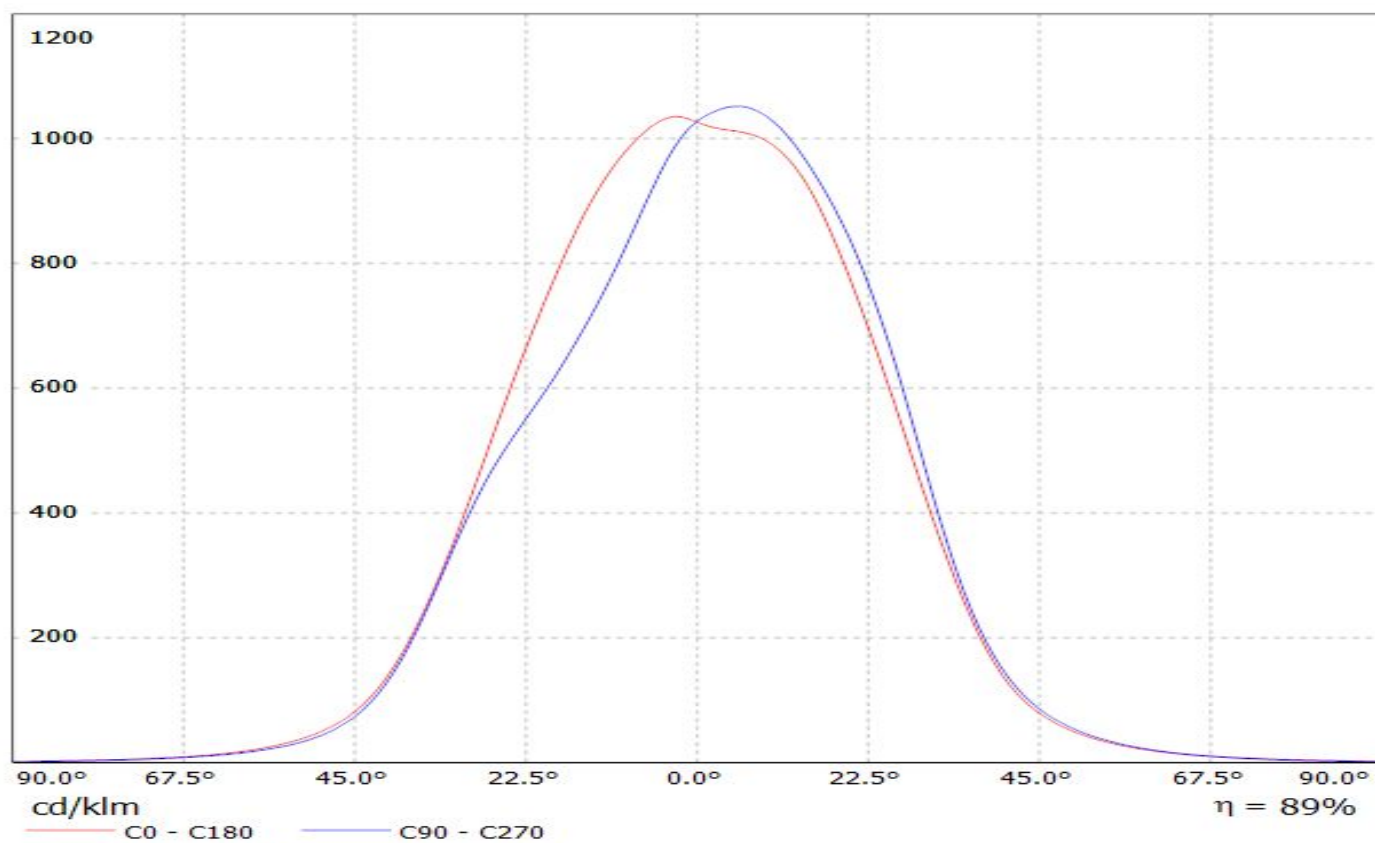
Lamps: 1 x N757 (70.0194lm@100mA)



LEDiL Oy CP13138_LARISA-WW-CLIP16_(N757) Eff.89.1% / LDC (Linear)

Luminaire: LEDiL Oy CP13138_LARISA-WW-CLIP16_(N757) Eff.89.1%

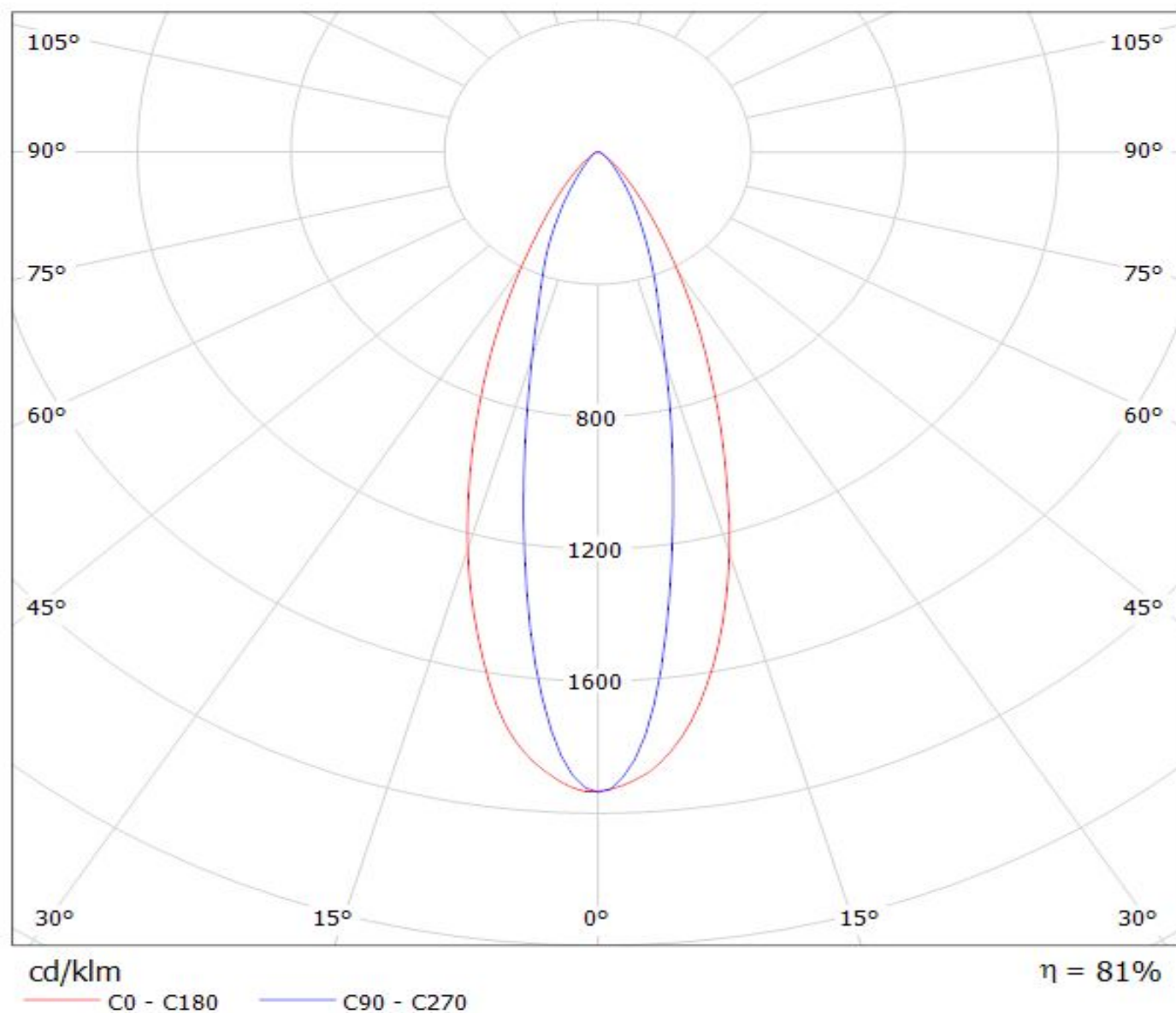
Lamps: 1 x Nichia 757 (69.1lm@100mA)



LEDiL Oy CP13136_LARISA-O-CLIP16_(N757) Eff.80.7% / LDC (Polar)

Luminaire: LEDiL Oy CP13136_LARISA-O-CLIP16_(N757) Eff.80.7%

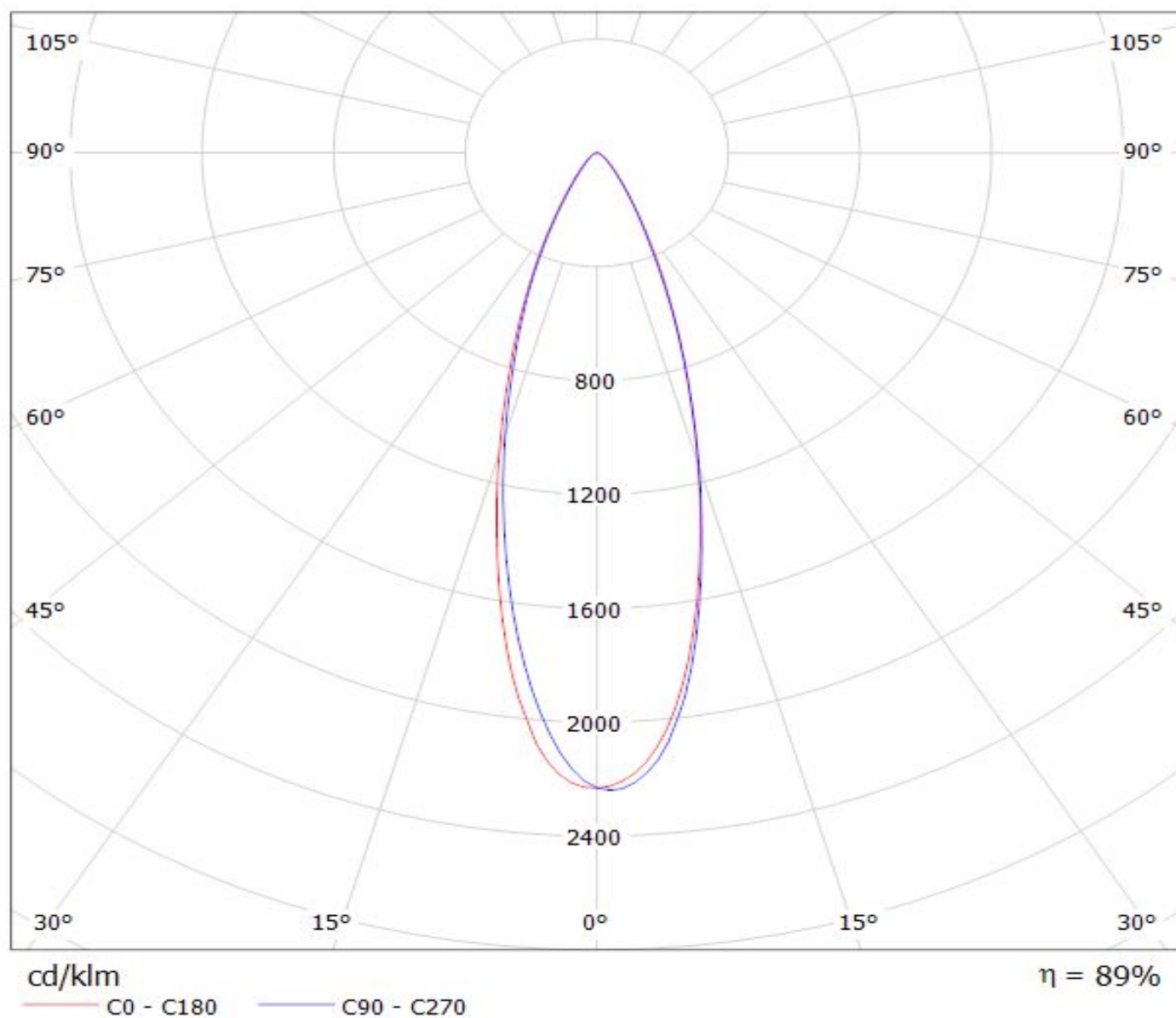
Lamps: 1 x N757 (70.0194lm@100mA)



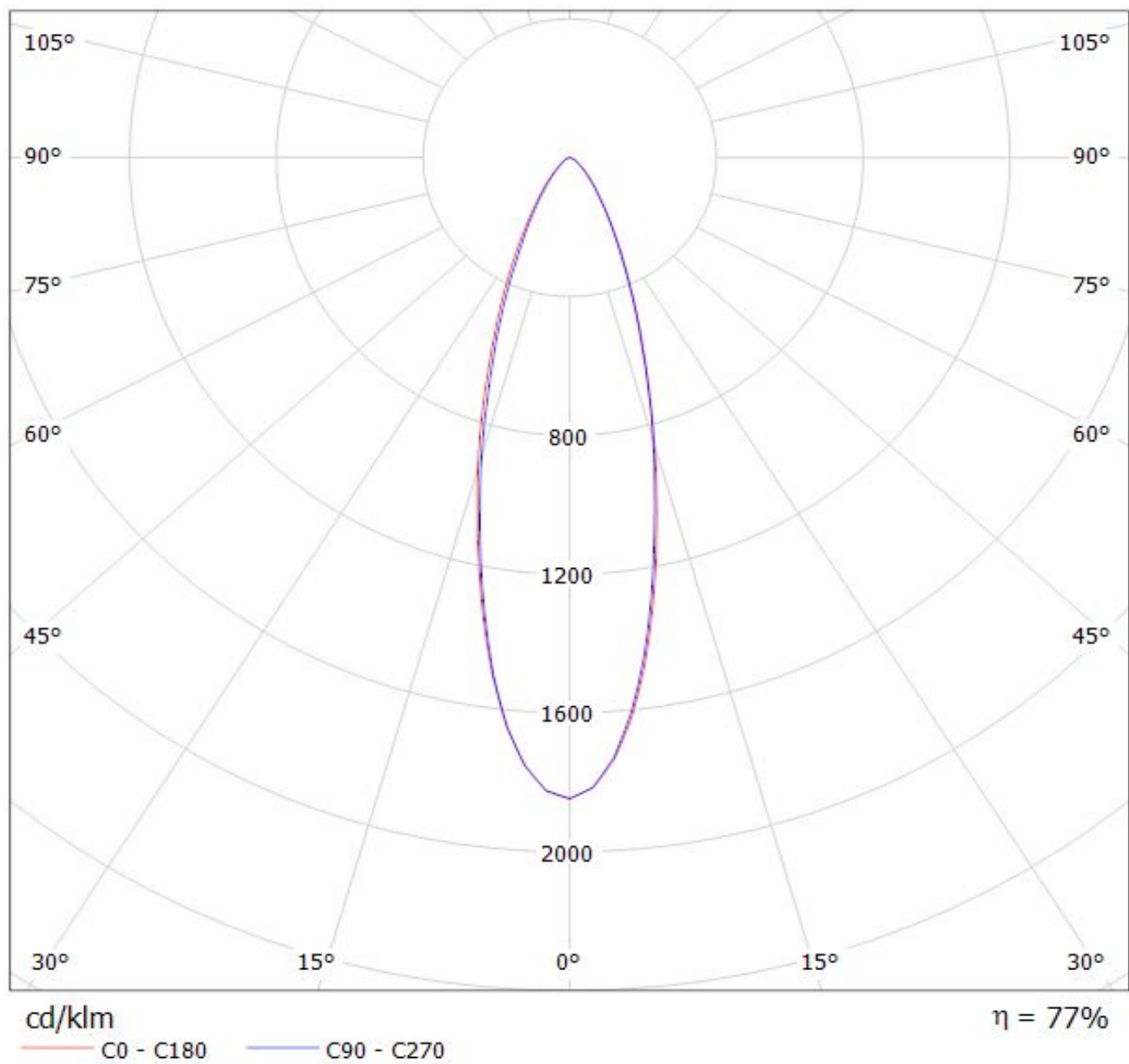
LEDiL Oy CP13135_LARISA-M-CLIP16_(N757) Eff.88.6% / LDC (Polar)

Luminaire: LEDiL Oy CP13135_LARISA-M-CLIP16_(N757) Eff.88.6%

Lamps: 1 x N757 (70.0194lm@100mA)



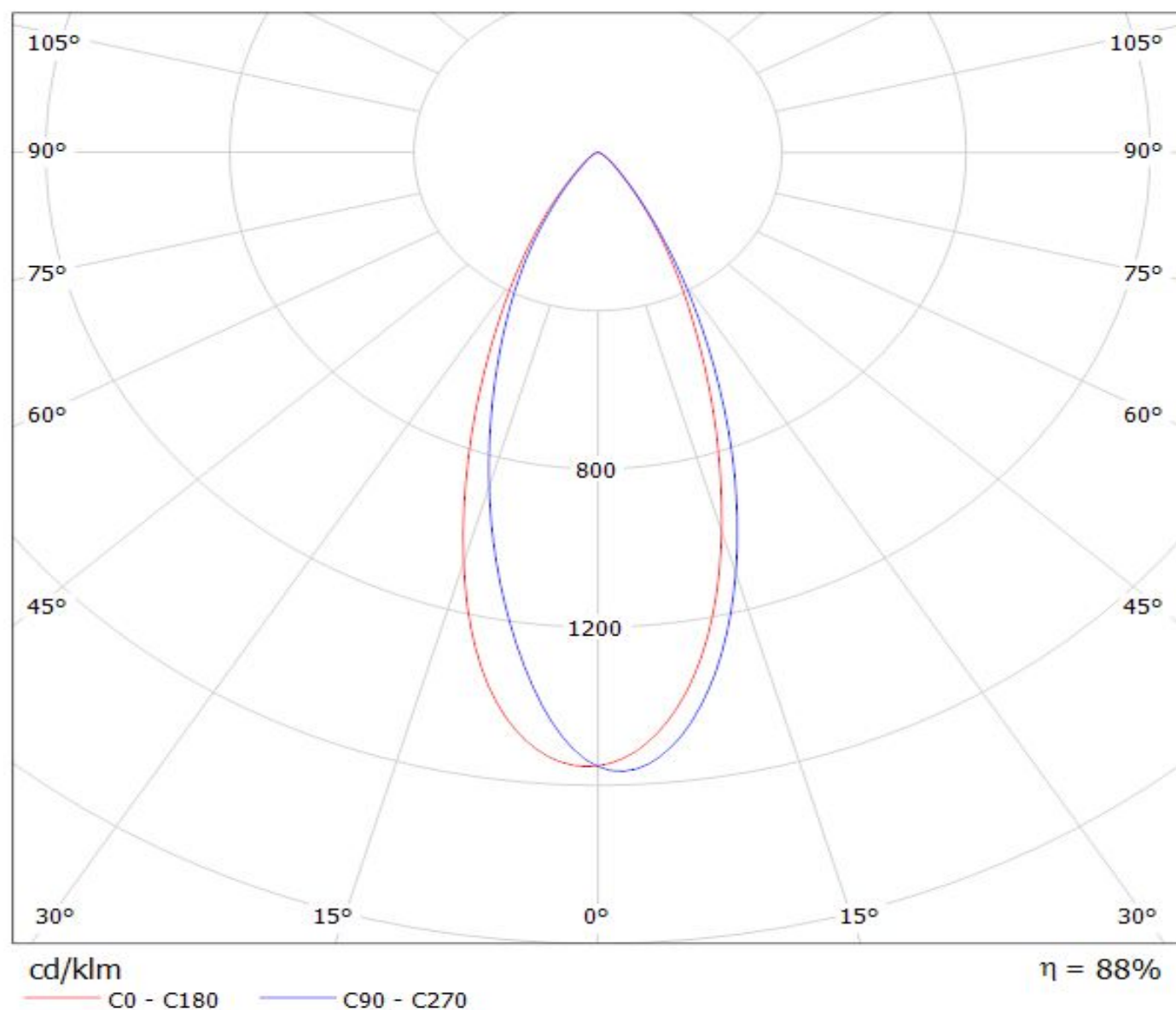
Luminaire: Ledil Oy CP13667_LARISA-RZ-CLIP16 Eff. 77%
Lamps: 1 x Nichia NF2x757 (67lm@100mA)



LEDiL Oy CP13137_LARISA-W-CLIP16_(N757) Eff.88.0% / LDC (Polar)

Luminaire: LEDiL Oy CP13137_LARISA-W-CLIP16_(N757) Eff.88.0%

Lamps: 1 x N757 (70.0194lm@100mA)



LEDiL Oy CP13138_LARISA-WW-CLIP16_(N757) Eff.89.1% / LDC (Polar)

Luminaire: LEDiL Oy CP13138_LARISA-WW-CLIP16_(N757) Eff.89.1%

Lamps: 1 x Nichia 757 (69.1lm@100mA)

