


Ordering number CP12687_TINA2-RS

Family	Tina2	FWHM	10 degrees
Type	Assembly	Efficiency	90 %
LED	Oslon SSL 150	cd/lm	17.800
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	Ready		


Ordering number CA12374_TINA2-RS

Family	Tina2	FWHM	11 degrees
Type	Assembly	Efficiency	90 %
LED	Oslon SSL 150	cd/lm	19.500
Color	Black	Gerber File	Available
Diameter	16 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		


Ordering number CP12688_TINA2-D

Family	Tina2	FWHM	12 degrees
Type	Assembly	Efficiency	89 %
LED	Oslon SSL 150	cd/lm	10.500
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	Ready		


Ordering number CA12375_TINA2-D

Family	Tina2	FWHM	14 degrees
Type	Assembly	Efficiency	89 %
LED	Oslon SSL 150	cd/lm	9.300
Color	Black	Gerber File	Available
Diameter	16 mm		
Height	9.26 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		


Ordering number CA12377_TINA2-M

Family	Tina2	FWHM	30 degrees
Type	Assembly	Efficiency	87 %
LED	Oslon SSL 150	cd/lm	2.500
Color	Black	Gerber File	Available
Diameter	16 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		


Ordering number CP12690_TINA2-M

Family	Tina2	FWHM	30 degrees
Type	Assembly	Efficiency	87 %
LED	Oslon SSL 150	cd/lm	3.000
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	Ready		


Ordering number CA12379_TINA2-O

Family	Tina2	FWHM	38+13 degrees
Type	Assembly	Efficiency	87 %
LED	Oslon SSL 150	cd/lm	3.700
Color	Black	Gerber File	Available
Diameter	16 mm		
Height	9.26 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		


Ordering number CP12689_TINA2-O

Family	Tina2	FWHM	39+12 degrees
Type	Assembly	Efficiency	87 %
LED	Oslon SSL 150	cd/lm	4.700
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	Ready		


Ordering number CA12378_TINA2-W

Family	Tina2	FWHM	53 degrees
Type	Assembly	Efficiency	85 %
LED	Oslon SSL 150	cd/lm	1.200
Color	Black	Gerber File	Available
Diameter	16 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		


Ordering number C13253_TINA2-R-CLIP16

Family	Tina2	FWHM	75 degrees
Type	Reflector	Efficiency	88 %
LED	Oslon SSL 150	cd/lm	0.520
Color	Clear	Gerber File	Available
Diameter	16.1 mm		
Height	10.1 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Clips		
Status	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 Tina2 series

last update 18/2/2013



GENERAL INFORMATION

- Product series especially designed & optimized for Oslon SSL 150 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>

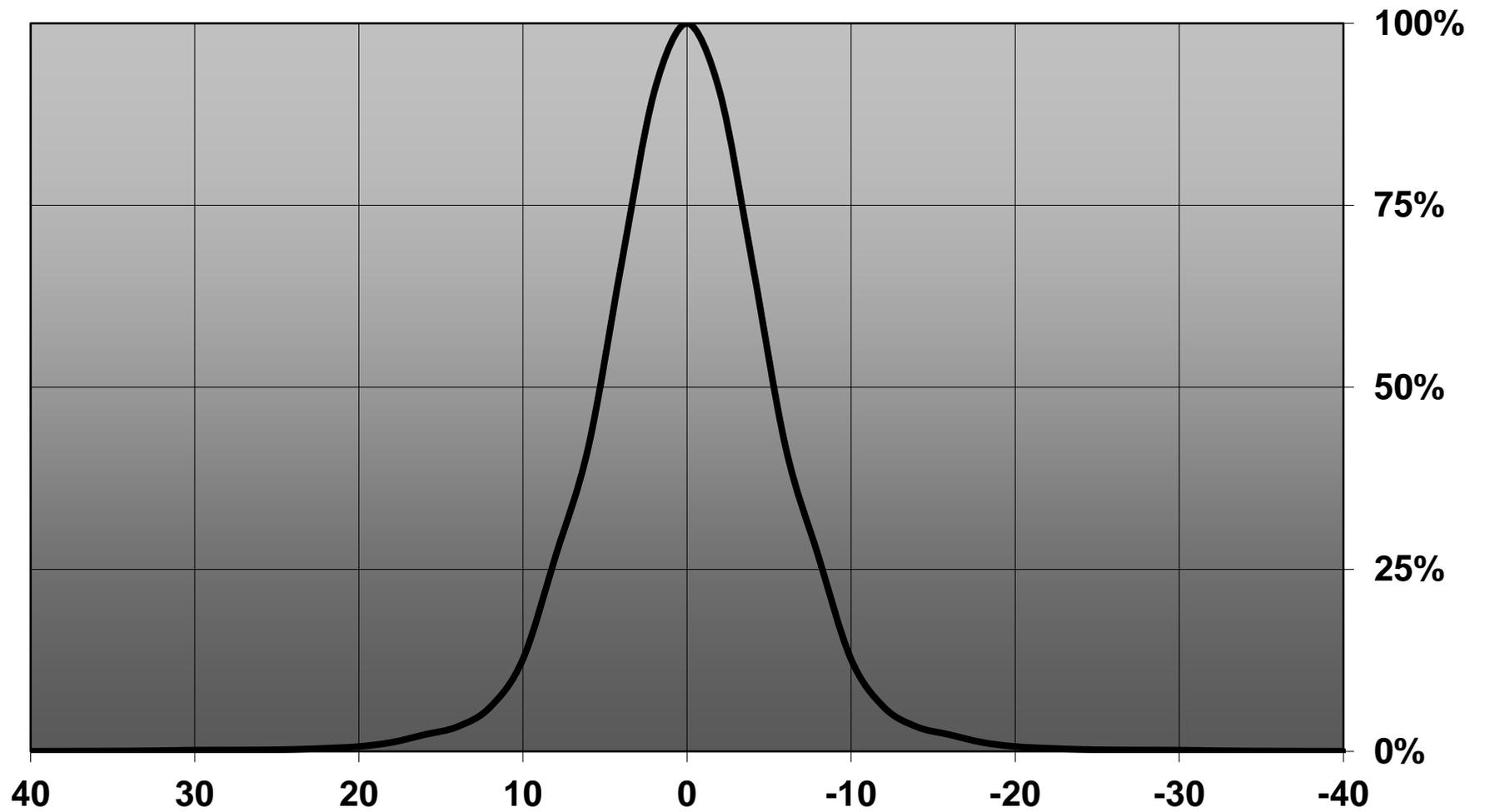
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

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

- 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).

Relative intensity of CA12374_Tina2-RS-OSL150



D

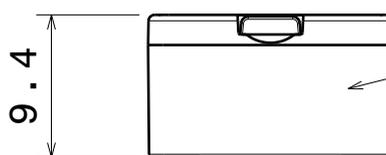
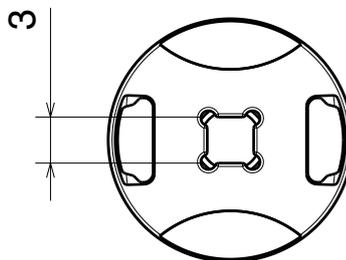
C

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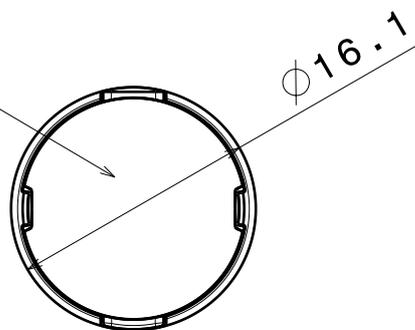


Isometric view
Scale: 1:1



Holder

Lens



Materials:
Lens PMMA
Holder PC, Black

Tolerances for dimensions:
0-20mm tolerance value $\pm 0.1\text{mm}$
21-45mm tolerance value $\pm 0.2\text{mm}$
46-90mm tolerance value $\pm 0.3\text{mm}$
91-100mm tolerance value $\pm 0.4\text{mm}$
101-mm tolerance value $\pm 0.5\text{mm}$

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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE

Datasheet Tina2 OSL Glue Assy

DRAWN BY

pv

DATE

11.04.2012

CHECKED BY

sn

DATE

12.03.2012

DESIGNED BY

pv

DATE

12.03.2012

SIZE

A4

DRAWING NUMBER

-

REV

1

SCALE

2:1

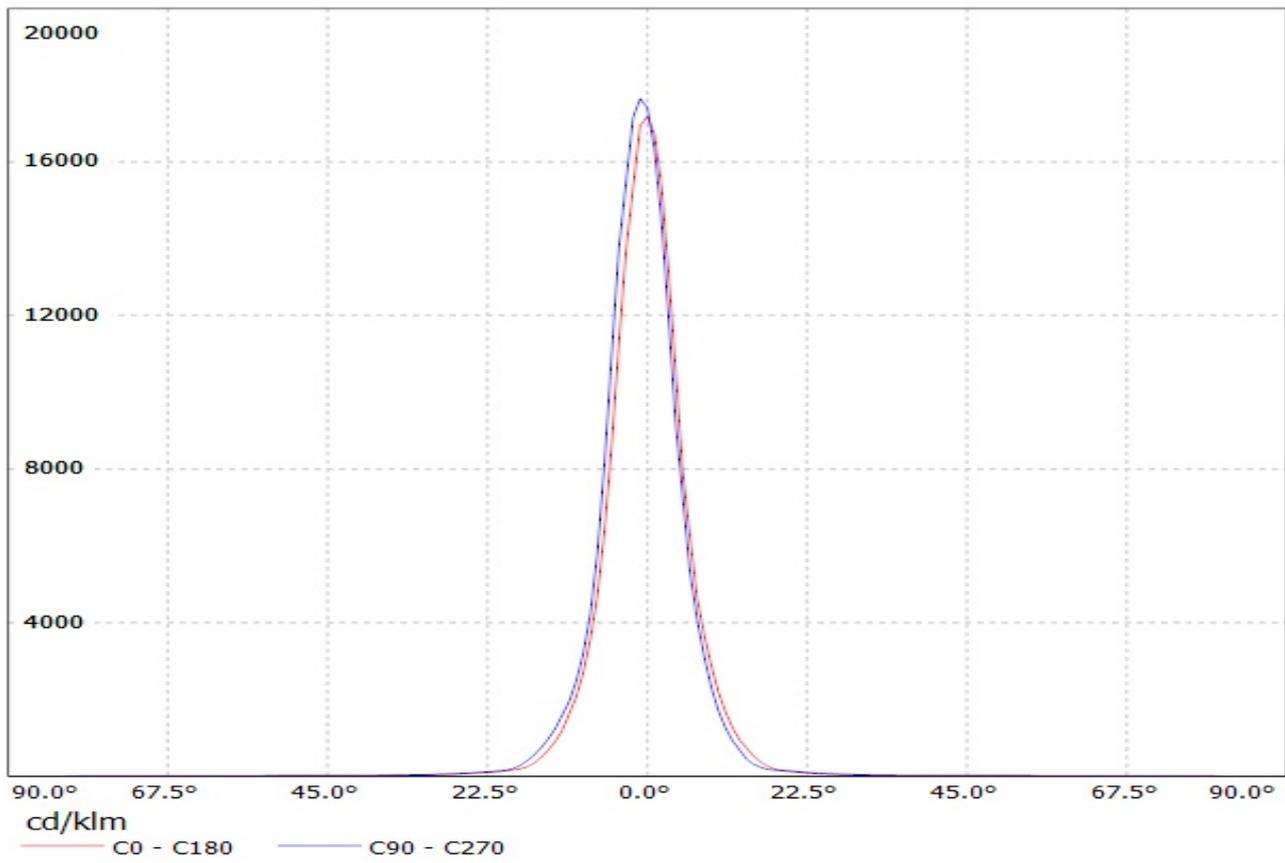
WEIGHT (g)

SHEET

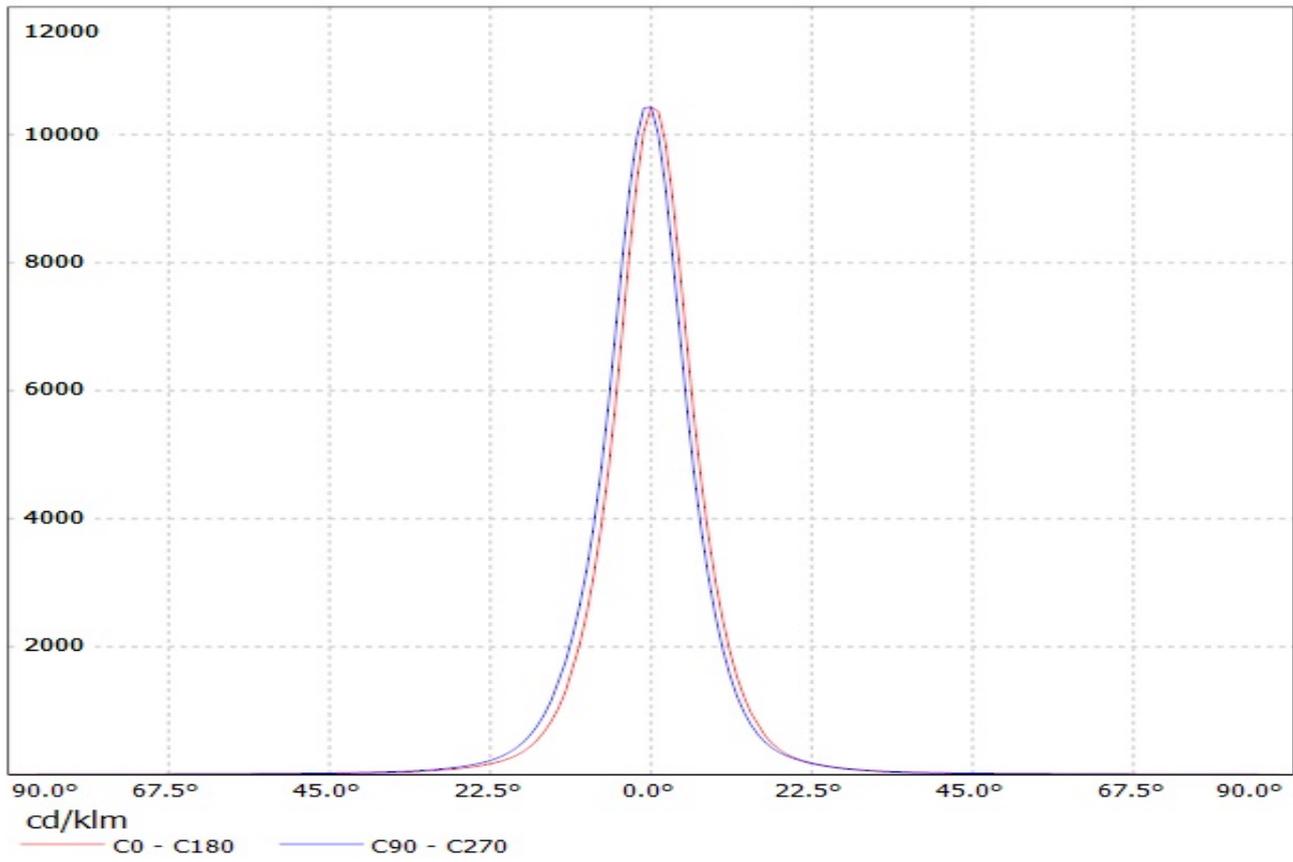
1/1

A

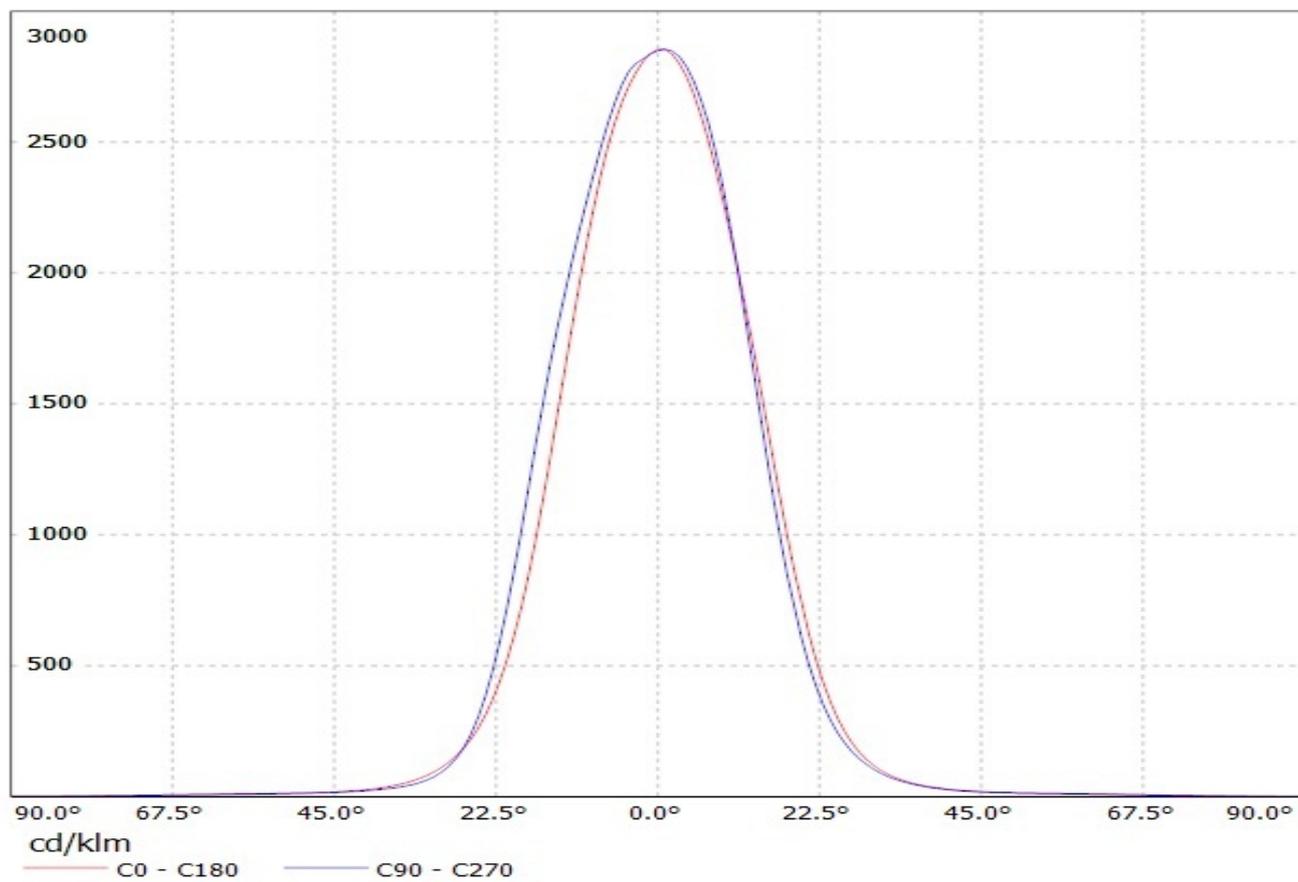
Luminaire: LEDIL OY CP12687_TINA2-RS (SSL150) Efficiency=90%
Lamps: 1 x Osram Oslon SSL 150° (95lm@250mA)



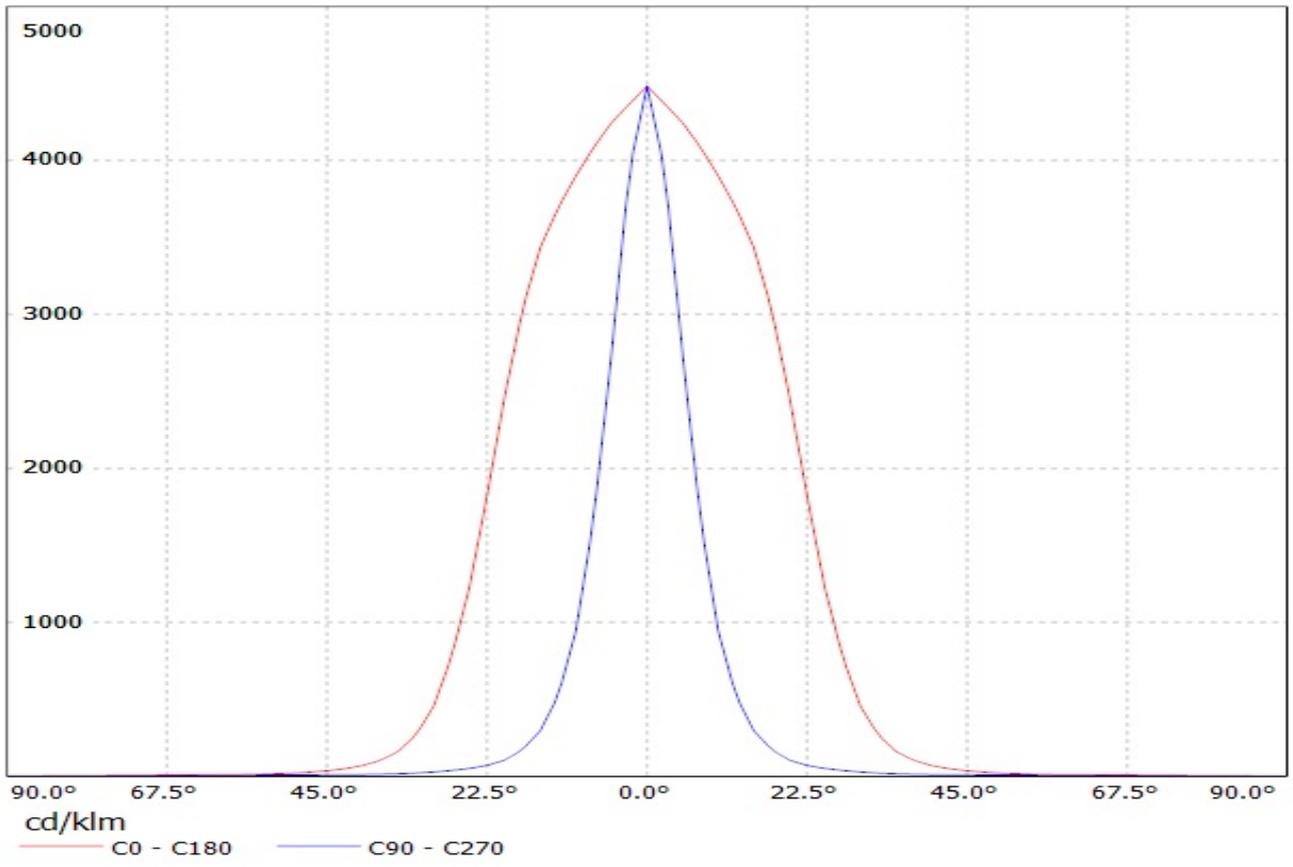
Luminaire: LEDIL OY CP12688_TINA2-D (SSL150) Efficiency=89%
Lamps: 1 x Osram Oslon SSL 150° (95lm@250mA)



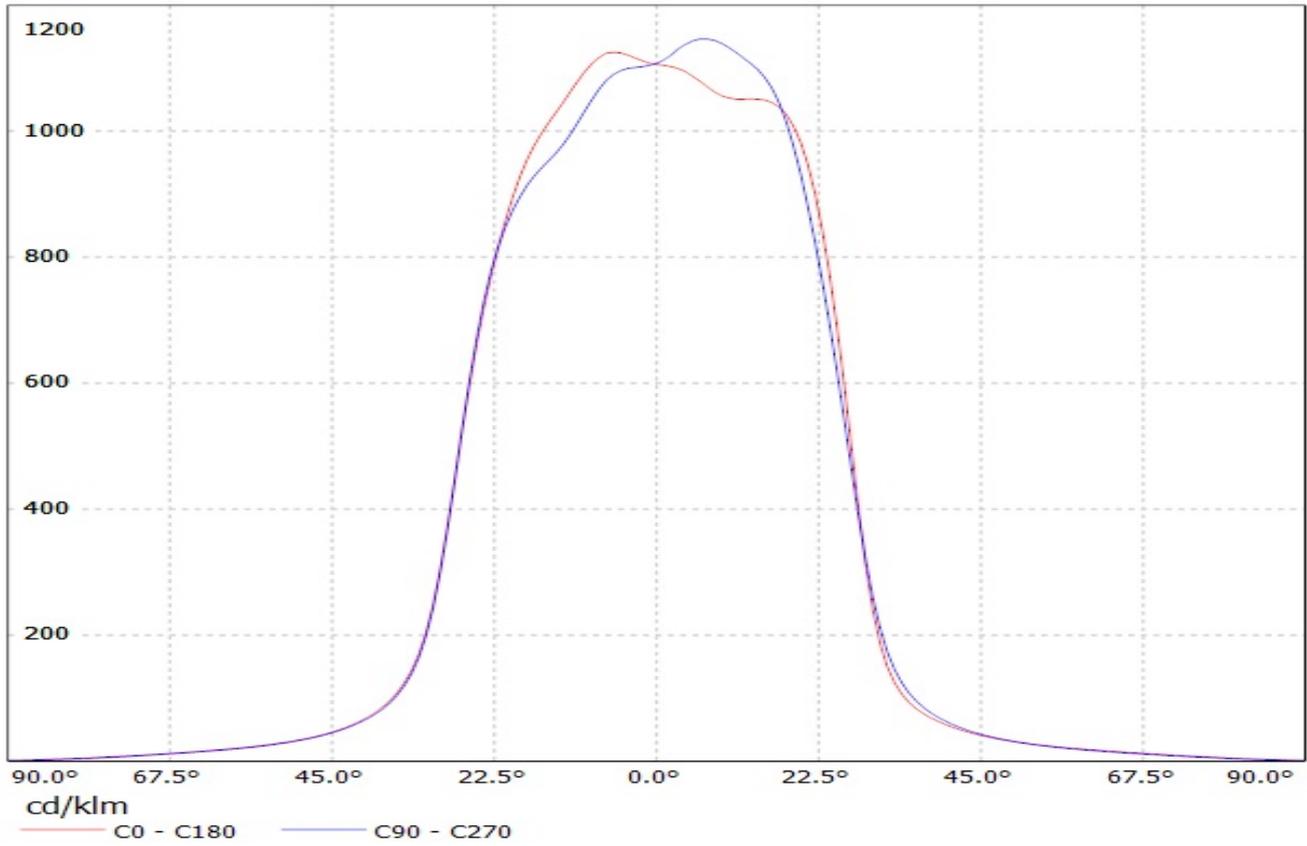
Luminaire: LEDIL OY CP12690_TINA2-M (SSL150) Efficiency=87%
Lamps: 1 x Osram Oslon SSL 150° (95lm@250mA)



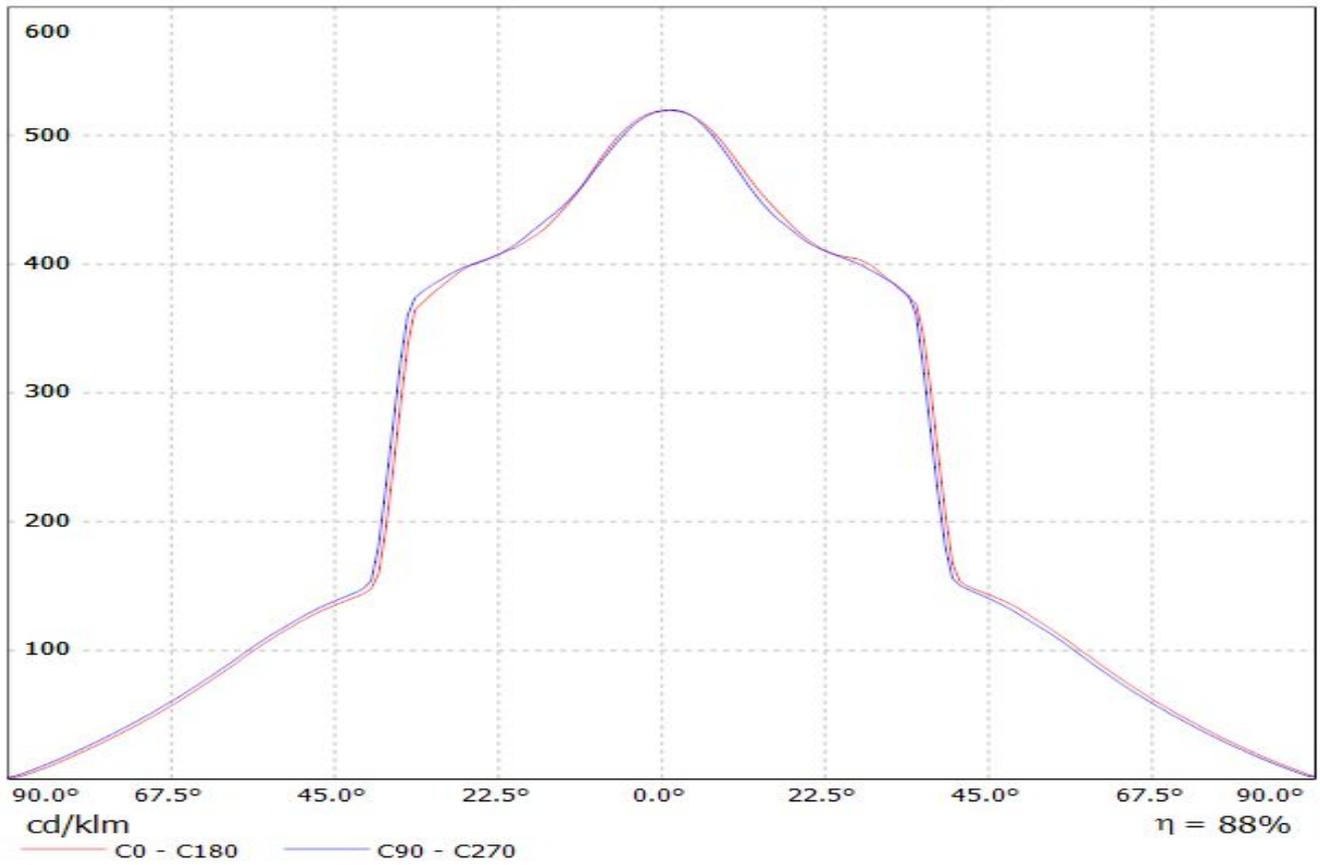
Luminaire: LEDIL OY CP12689_TINA2-O (SSL150) Efficiency=87%
Lamps: 1 x Osram Oslon SSL 150° (95lm@250mA)



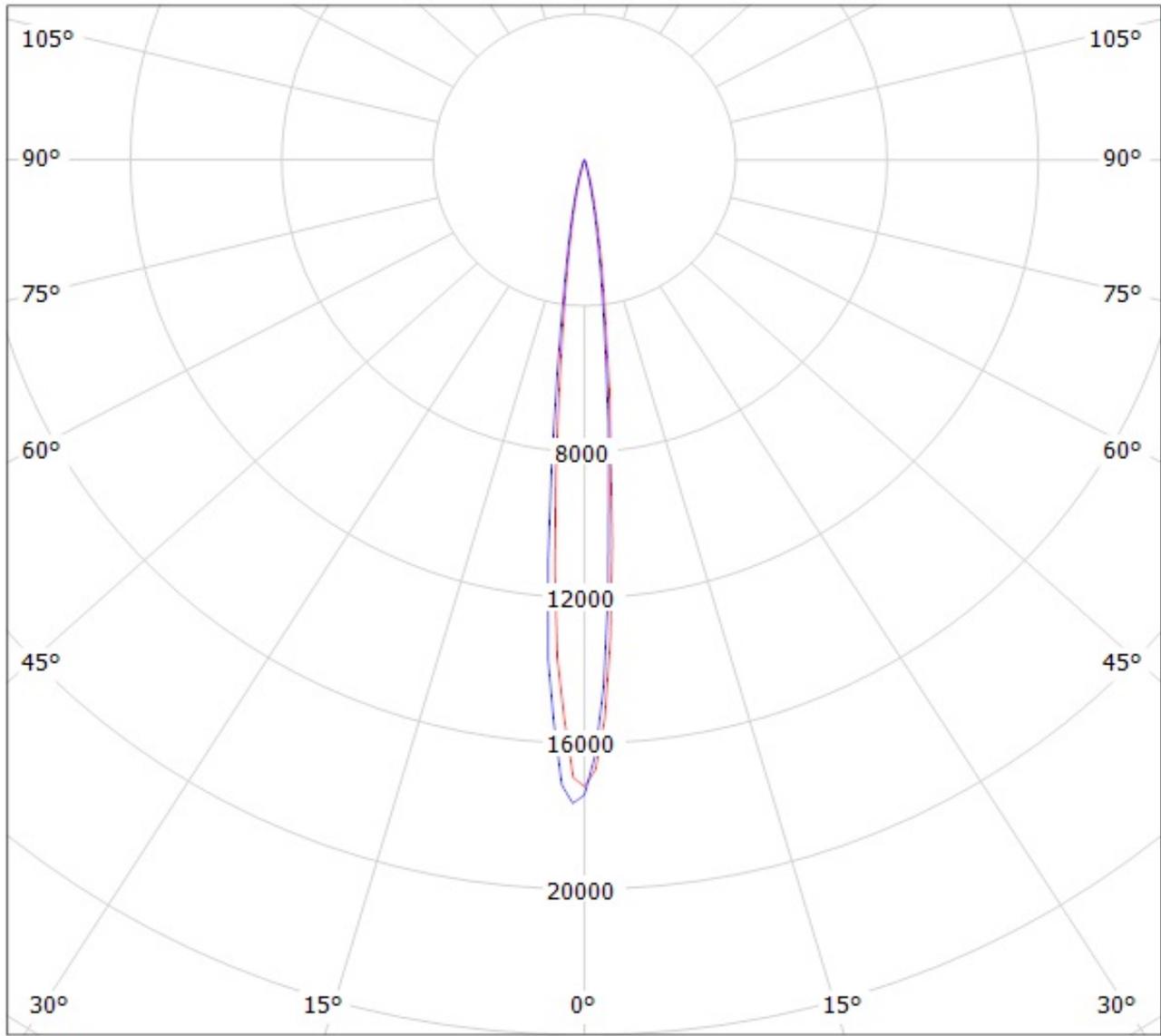
Luminaire: LEDIL OY CA12378-TINA2-W (SSL150) Efficiency=85%
Lamps: 1 x Osram Oslon SSL150 (95lm@250mA)



Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(SSL150) Eff. 87,6%
Lamps: 1 x Osram SSL150 (87lm@250mA)



Luminaire: LEDIL OY CP12687_TINA2-RS (SSL150) Efficiency=90%
Lamps: 1 x Osram Oslon SSL 150° (95lm@250mA)

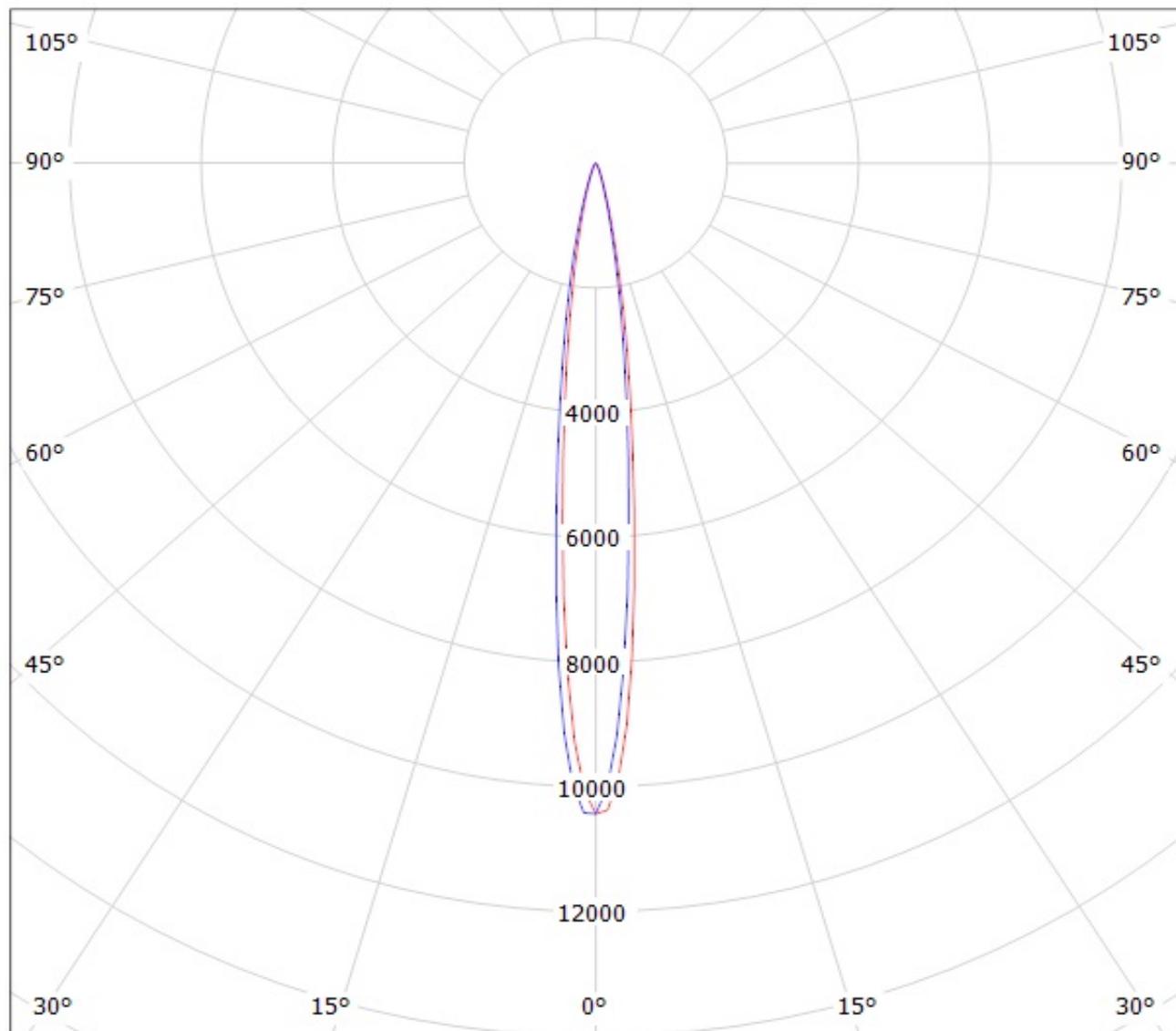


cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDIL OY CP12688_TINA2-D (SSL150) Efficiency=89%

Lamps: 1 x Osram Oslon SSL 150° (95lm@250mA)

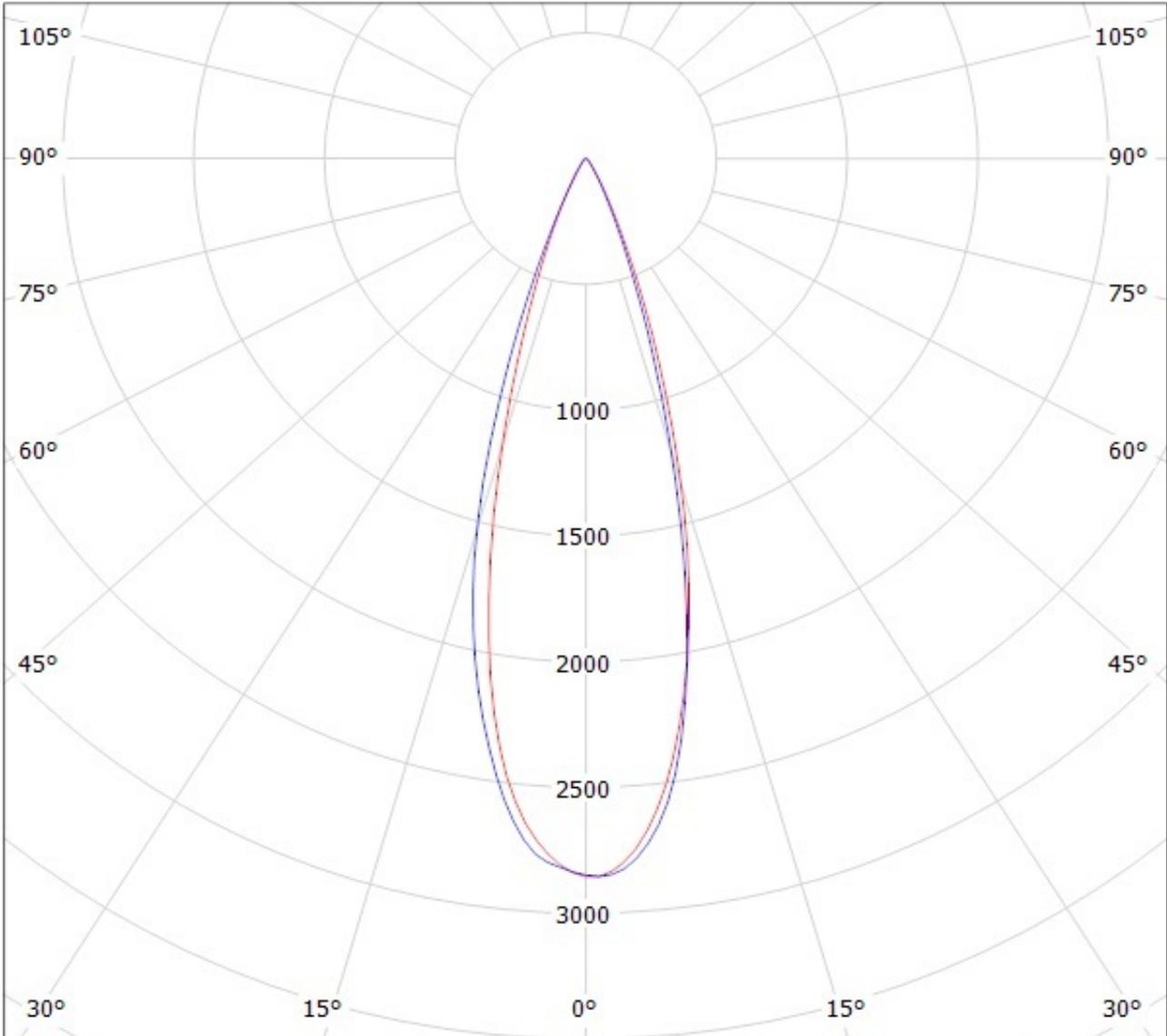


cd/klm

— C0 - C180

— C90 - C270

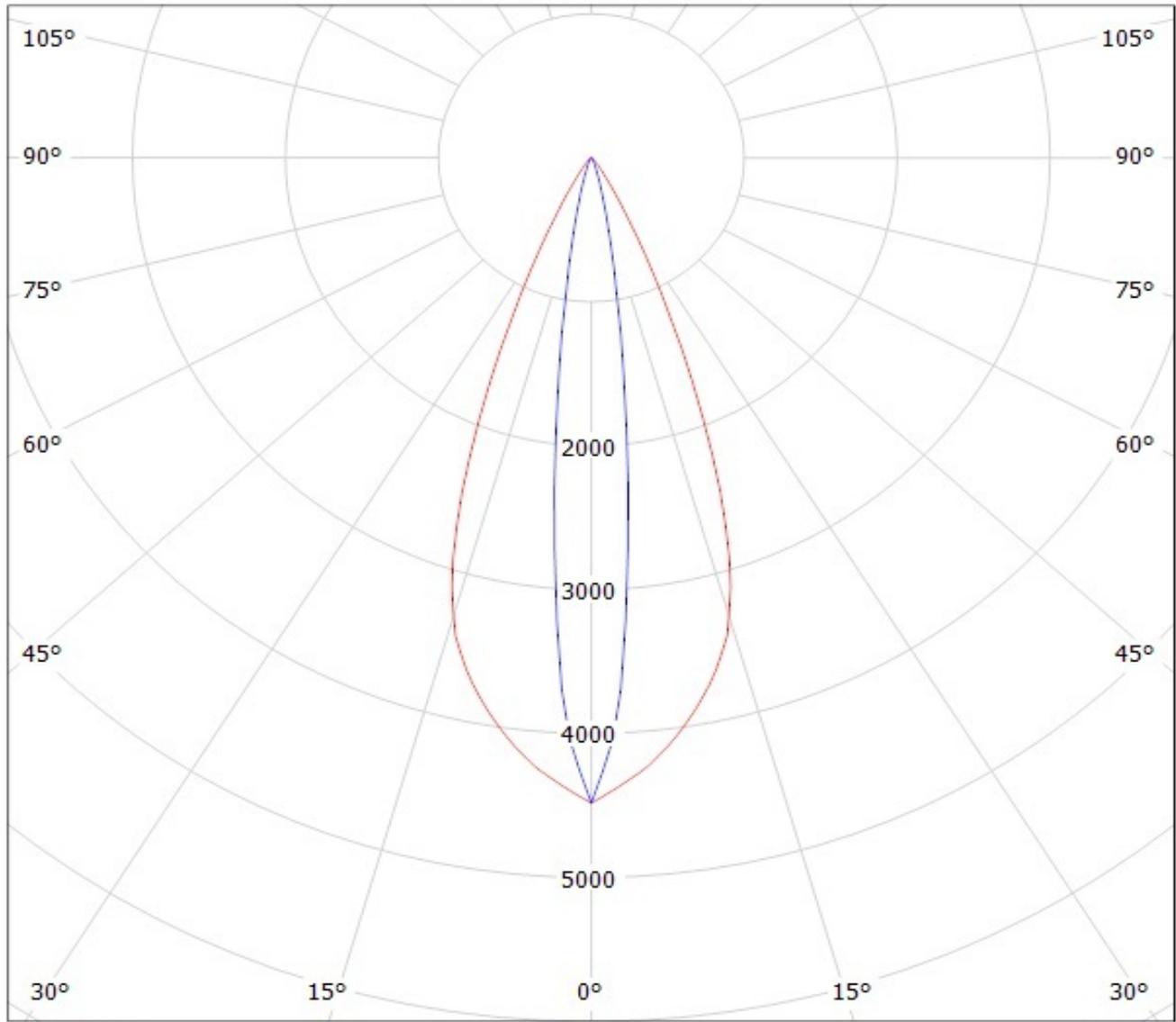
Luminaire: LEDIL OY CP12690_TINA2-M (SSL150) Efficiency=87%
Lamps: 1 x Osram Oslon SSL 150° (95lm@250mA)



cd/klm

— C0 - C180 — C90 - C270

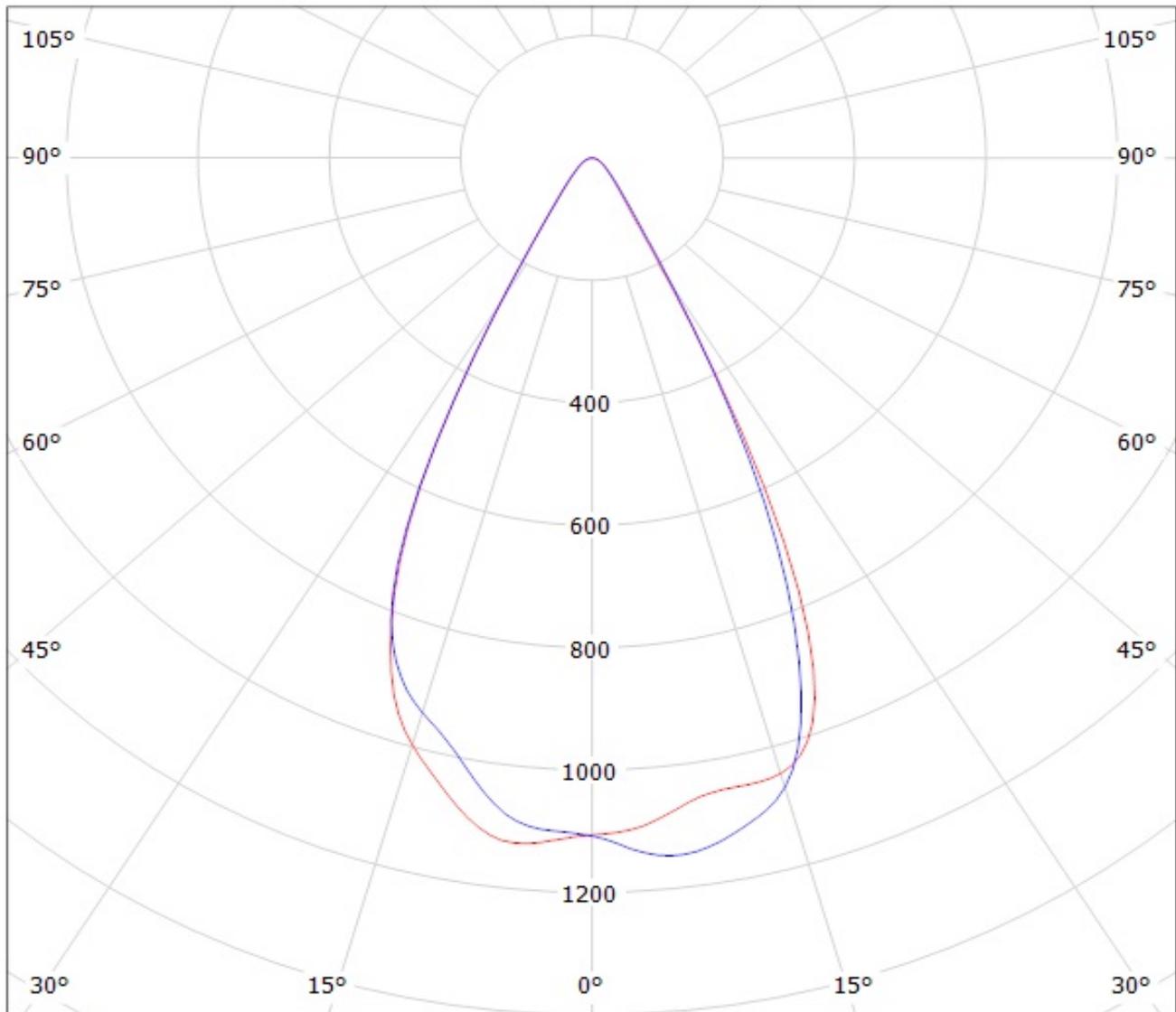
Luminaire: LEDIL OY CP12689_TINA2-O (SSL150) Efficiency=87%
Lamps: 1 x Osram Oslon SSL 150° (95lm@250mA)



cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDIL OY CA12378-TINA2-W (SSL150) Efficiency=85%
Lamps: 1 x Osram Oslon SSL150 (95lm@250mA)



cd/klm
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(SSL150) Eff. 87,6%
Lamps: 1 x Osram SSL150 (87lm@250mA)

