

**Product number CP12671_TINA2-D**

Family	Tina2	FWHM	14 degrees
Type	Assembly	Efficiency	88 %
LED	XB-D	cd/lm	8.700
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.65 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

**Product number CP12672_TINA2-M**

Family	Tina2	FWHM	29 degrees
Type	Assembly	Efficiency	82 %
LED	XB-D	cd/lm	2.700
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.65 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

**Product number CP12673_TINA2-O**

Family	Tina2	FWHM	35+14 degrees
Type	Assembly	Efficiency	84 %
LED	XB-D	cd/lm	4.300
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.65 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

**Product number CP12674_TINA2-W**

Family	Tina2	FWHM	39 degrees
Type	Assembly	Efficiency	81 %
LED	XB-D	cd/lm	1.800
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	9.65 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

PRODUCT DATASHEET
Tina2 series

last update 24/10/2014

**Product number** C13253_TINA2-R-CLIP16

Family	Tina2	FWHM	73 degrees
Type	Reflector	Efficiency	90 %
LED	XB-D	cd/lm	0.575
Color	Clear	Gerber File	Available
Diameter	16.1 mm		
Height	10.1 mm		
Style	Round		
Optic Material	HRPC		
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

Tina2 series

last update 24/10/2014

GENERAL INFORMATION

- Product series especially designed & optimized for XB-D 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>

D

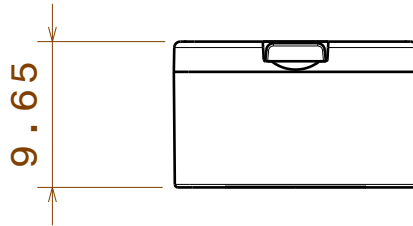
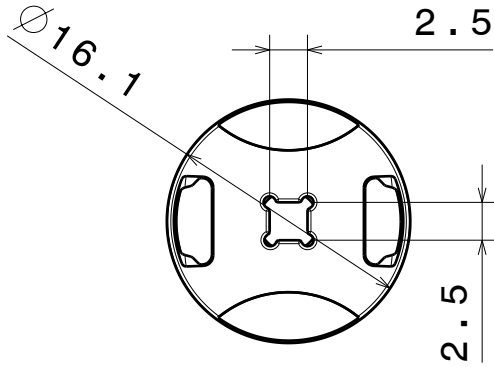
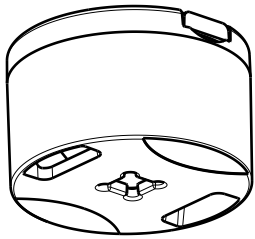
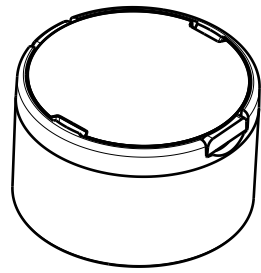
C

B

A

4

4



3

3

2

2

Materials:
 lens PMMA
 holder PC, black

Fastening to application:
 Glue

Tolerances for dimensions:
 0-20mm tolerance value +/-0.1mm

1

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Ledil Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

DRAWING TITLE

Datasheet Tina2 XB assy

DRAWN BY

pv

DATE

19.03.2012

CHECKED BY

sn

DATE

19.03.2012

SIZE

A4

DRAWING NUMBER

-

REV

1

DESIGNED BY

pv

DATE

12.03.2012

SCALE

2:1

WEIGHT (g)

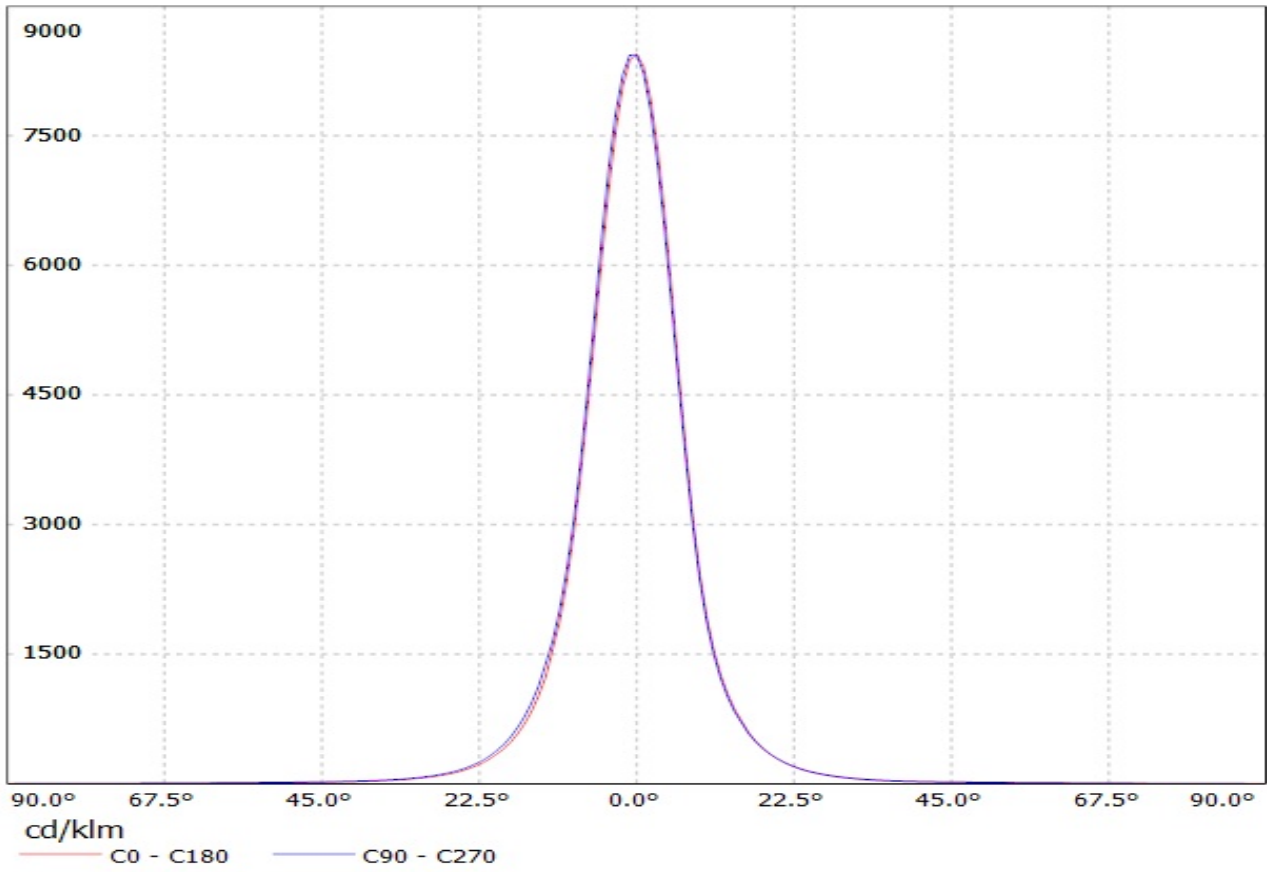
SHEET

1/1

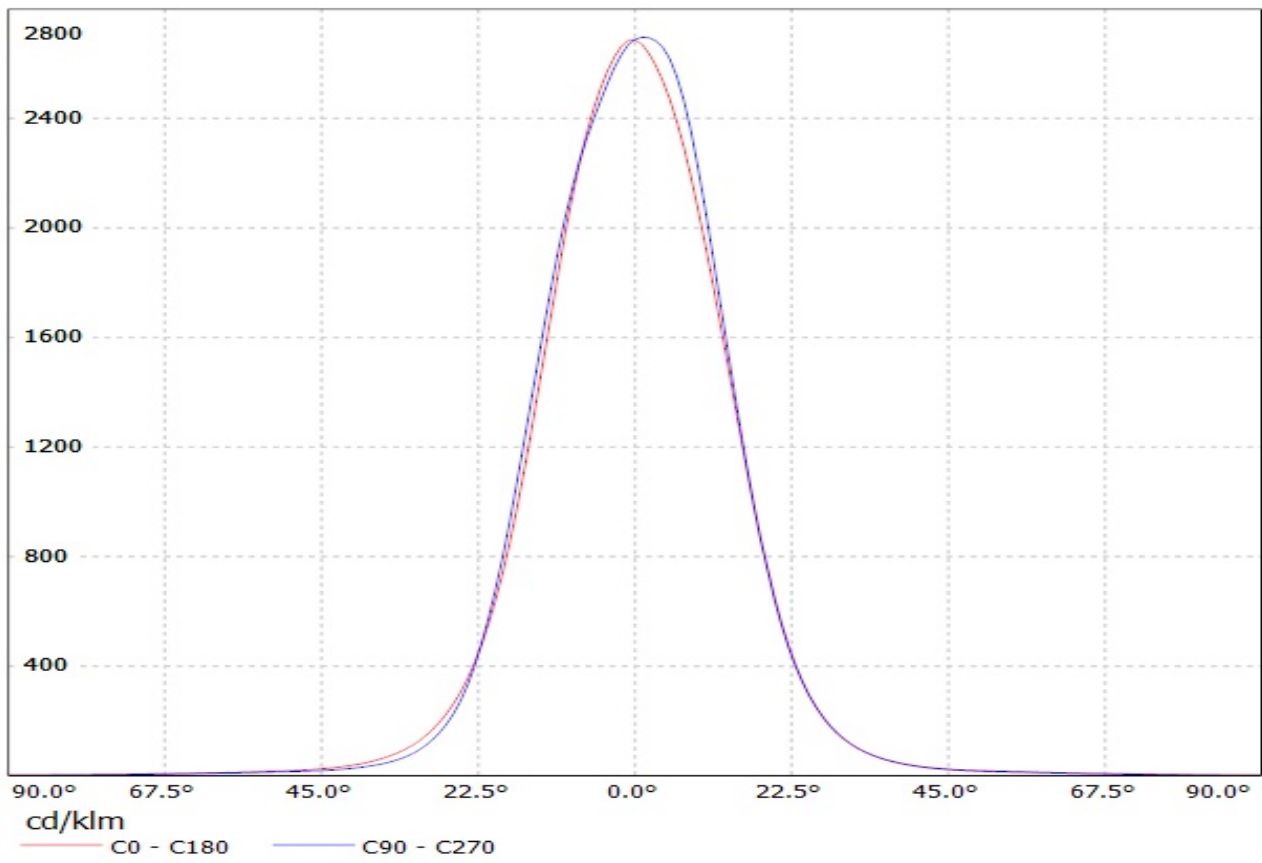
D

A

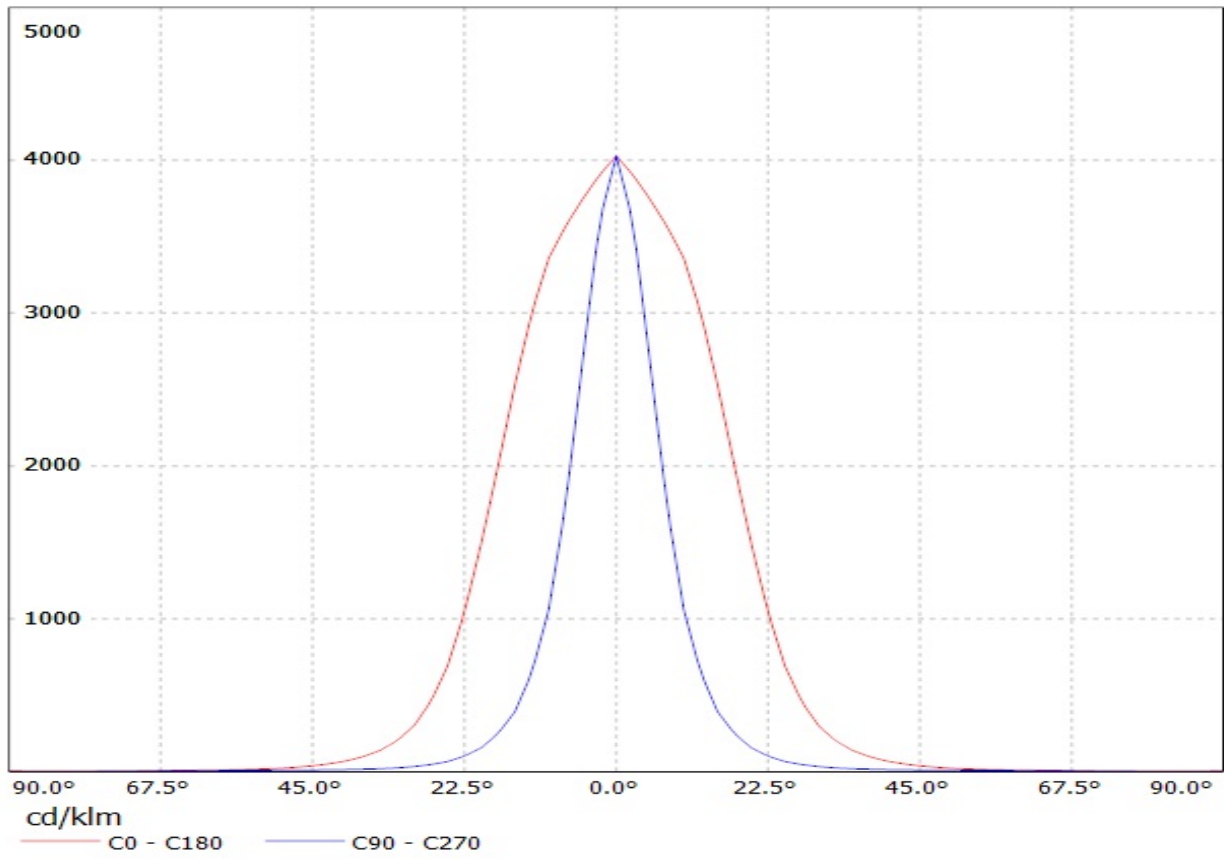
Luminaire: LEDIL OY CP12671_TINA2-D (XB-D) Efficiency=88%
Lamps: 1 x Cree XB-D white (97lm @ 250mA)



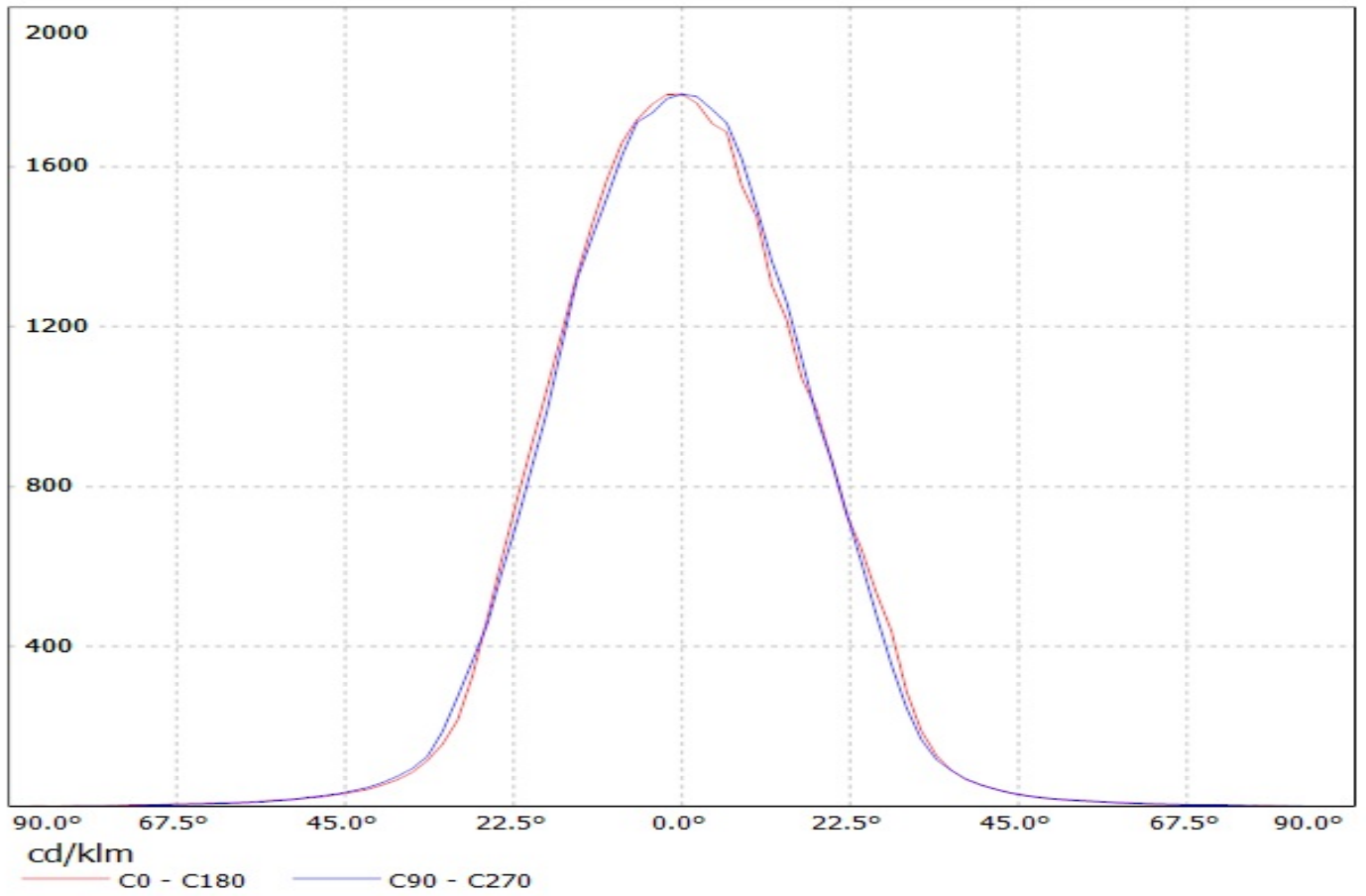
Luminaire: LEDIL OY CP12672_TINA2-M (XB-D) Efficiency=82%
Lamps: 1 x Cree XB-D white (97lm @ 250mA)



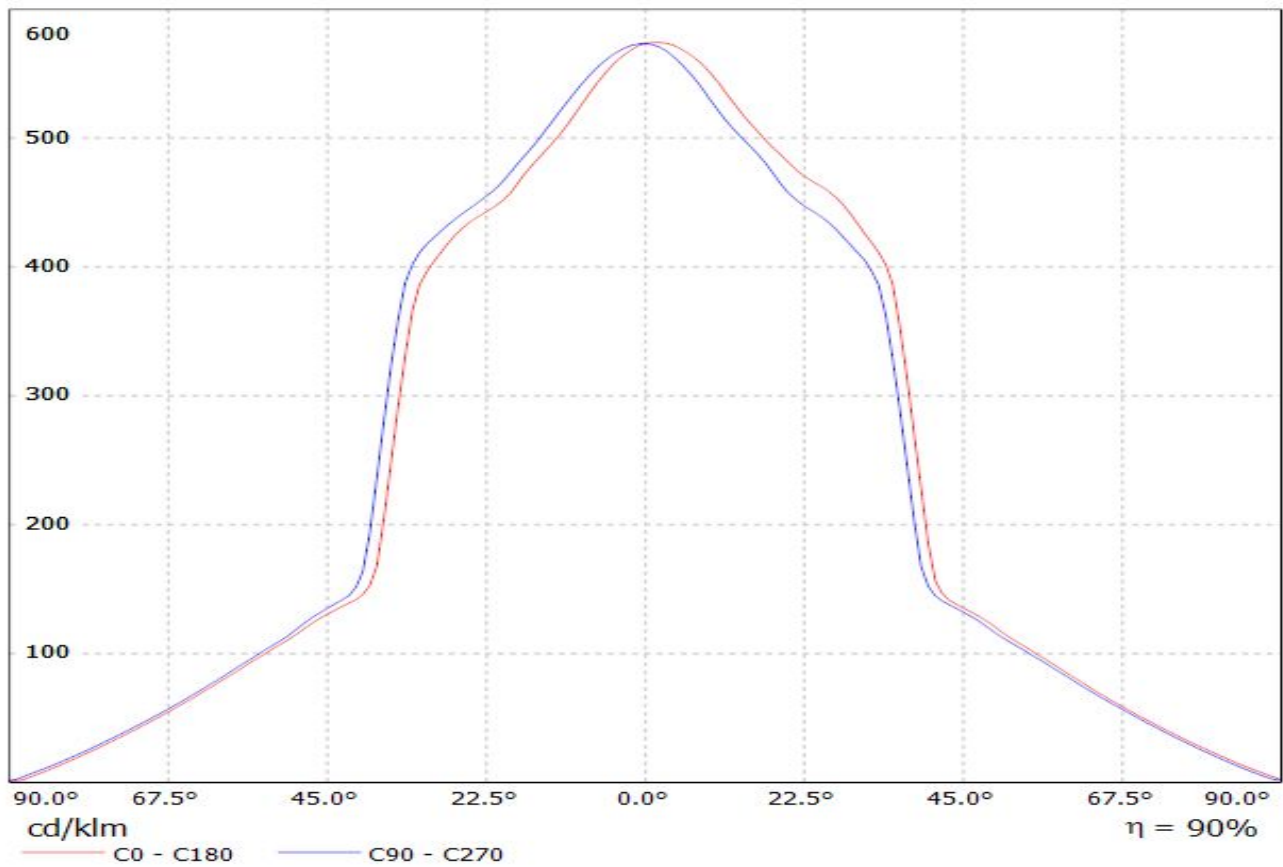
Luminaire: LEDIL OY CP12673_TINA2-O (XB-D) Efficiency=84%
Lamps: 1 x Cree XB-D white (97lm @ 250mA)



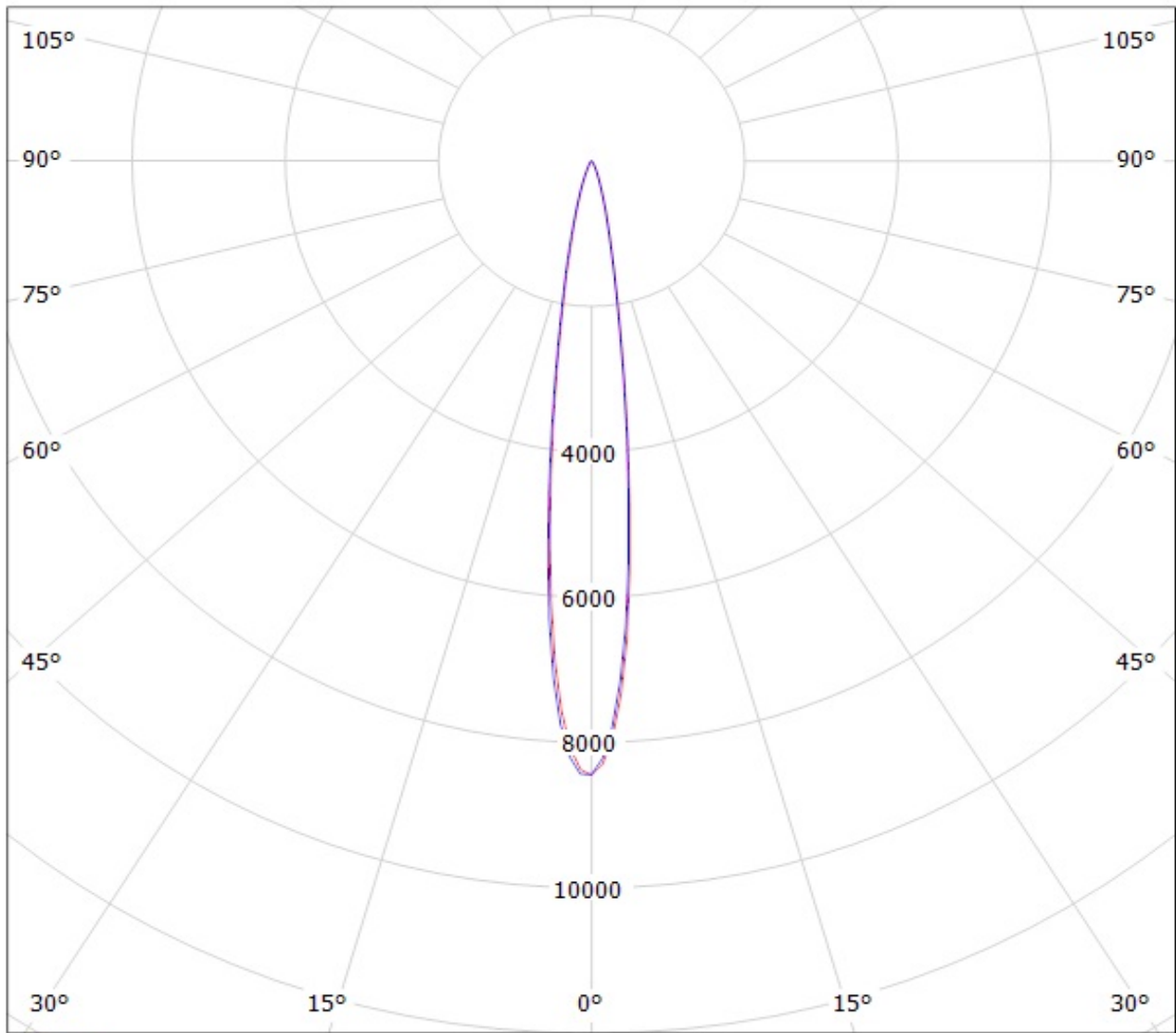
Luminaire: Ledil Oy CP12674_TINA2-W (Cree XB-D 94lm @ 250mA) Efficiency=81%
Lamps: 1 x Cree XB-D 94lm @ 250mA



Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XB-D) Eff. 89,9%
Lamps: 1 x Cree XB-D (92lm@250mA)



Luminaire: LEDIL OY CP12671_TINA2-D (XB-D) Efficiency=88%
Lamps: 1 x Cree XB-D white (97lm @ 250mA)

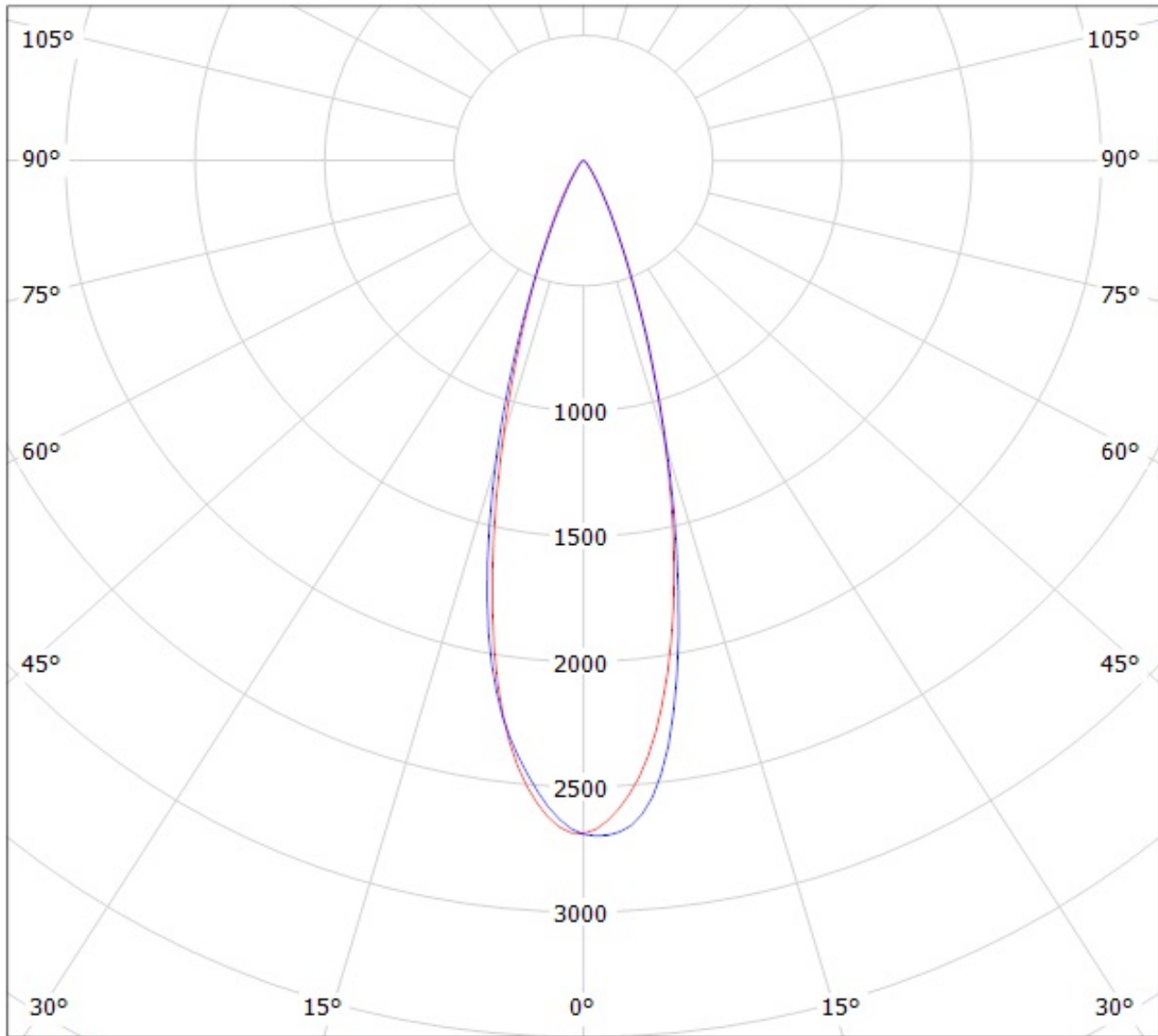


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDIL OY CP12672_TINA2-M (XB-D) Efficiency=82%
Lamps: 1 x Cree XB-D white (97lm @ 250mA)

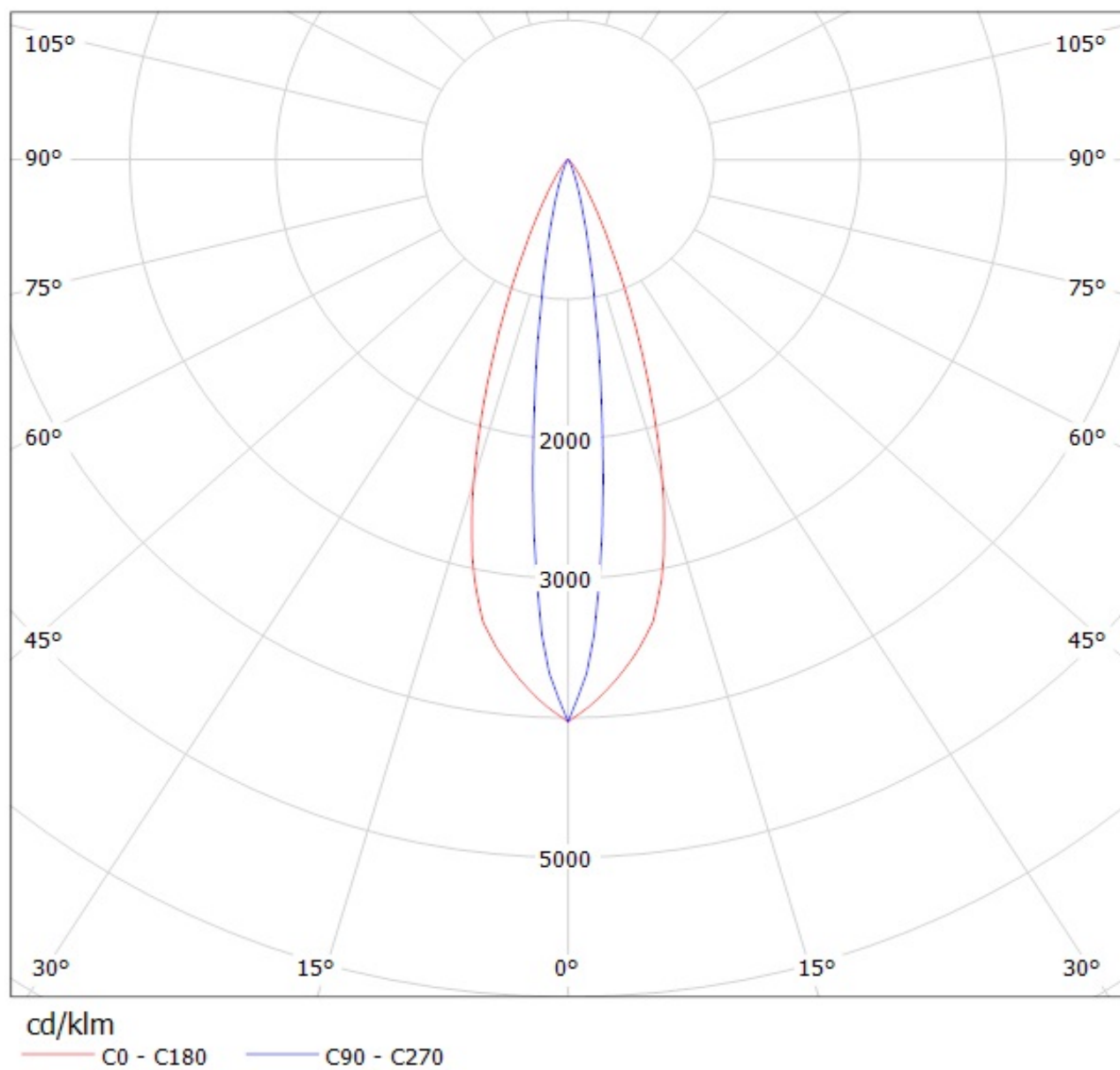


cd/klm

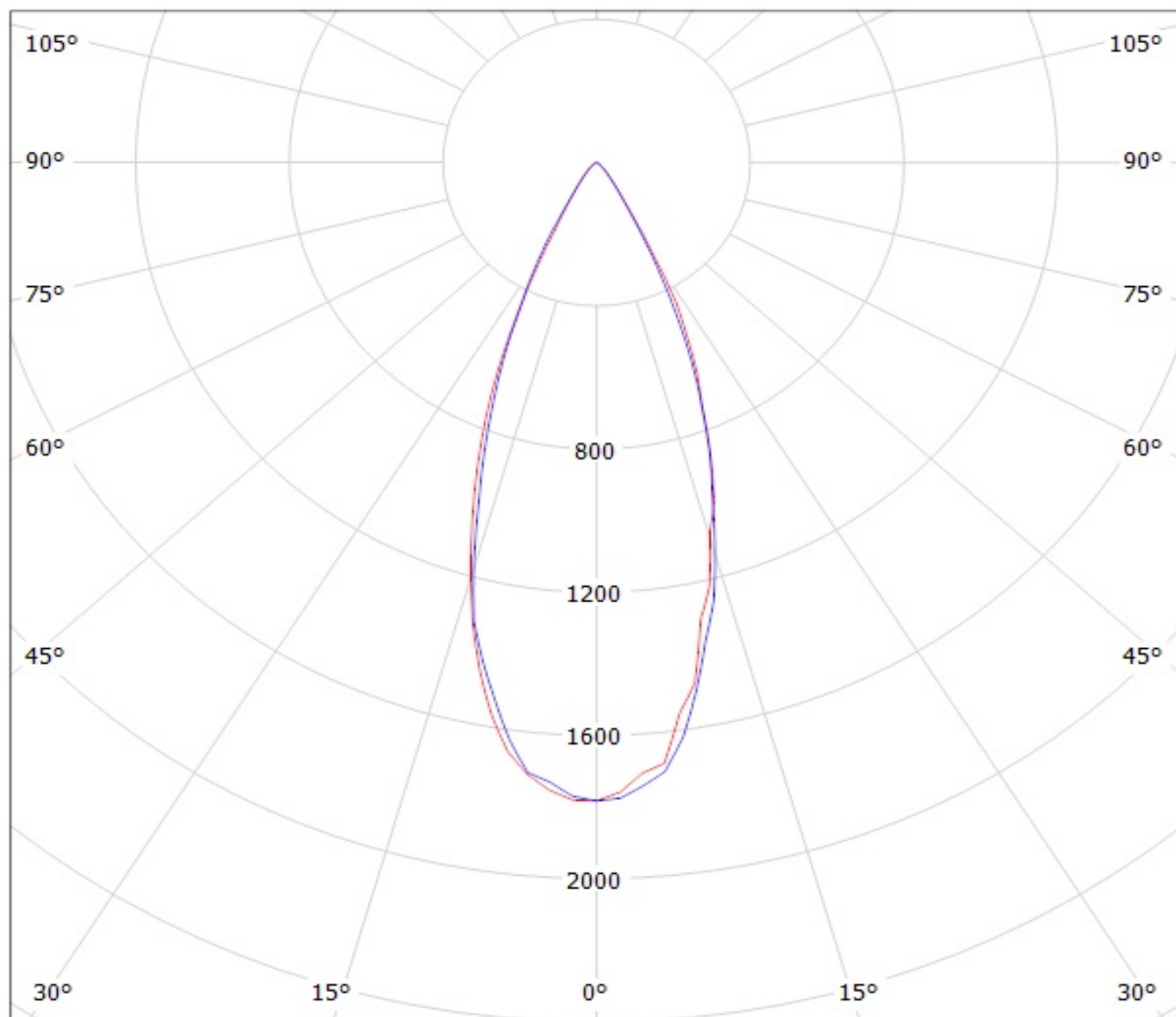
— C0 - C180

— C90 - C270

Luminaire: LEDIL OY CP12673_TINA2-O (XB-D) Efficiency=84%
Lamps: 1 x Cree XB-D white (97lm @ 250mA)



Luminaire: Ledil Oy CP12674_TINA2-W (Cree XB-D 94lm @ 250mA) Efficiency=81%
Lamps: 1 x Cree XB-D 94lm @ 250mA



cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XB-D) Eff. 89,9%
Lamps: 1 x Cree XB-D (92lm@250mA)

