

**Ordering number CA12816\_LXP2-RS2**

Family	Leila	FWHM	8 degrees
Type	Assembly	Efficiency	92 %
LED	XT-E	cd/lm	15.600
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Ordering number CA14132\_LXP2-RS2**

Family	Leila	FWHM	8 degrees
Type	Assembly	Efficiency	92 %
LED	XT-E	cd/lm	15.600
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	-		
Status	On production		

**Ordering number CA11482\_LXP2-D**

Family	Leila	FWHM	11 degrees
Type	Assembly	Efficiency	88 %
LED	XT-E	cd/lm	8.950
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Ordering number CA11484\_LXP2-O-90**

Family	Leila	FWHM	13+41 degrees
Type	Assembly	Efficiency	84 %
LED	XT-E	cd/lm	4.050
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Ordering number CA11483\_LXP2-M**

Family	Leila	FWHM	24 degrees
Type	Assembly	Efficiency	88 %
LED	XT-E	cd/lm	3.900
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**Ordering number CA12392\_LXP2-W**

Family	Leila	FWHM	41 degrees
Type	Assembly	Efficiency	89 %
LED	XT-E	cd/lm	1.580
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	On production		

**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

### Leila series

last update 13/9/2013

#### GENERAL INFORMATION

- Product series especially designed & optimized for XT-E 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%20UL94_Yellow%20Card.pdf)

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

- Optic holder molded by high quality PC material (120 degrees of Celcius / 248 degrees of Fahrenheit).

- Fastening to heat sink with a PU foam adhesive tape of automotive grade. Please find fastening details by clicking link: [http://www.ledil.com/datasheets/DataSheet\\_TAPE.pdf](http://www.ledil.com/datasheets/DataSheet_TAPE.pdf)

**NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.**

**NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape is applied must be clean, dry and free from grease and dirt.**

**If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer - this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.**

**Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.**

D

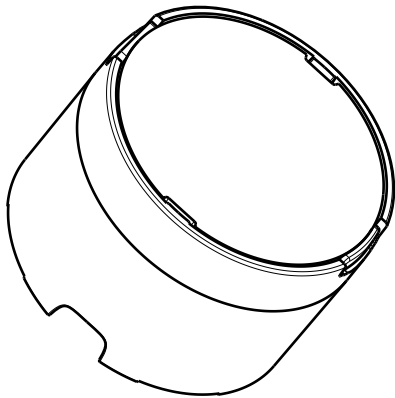
C

B

A

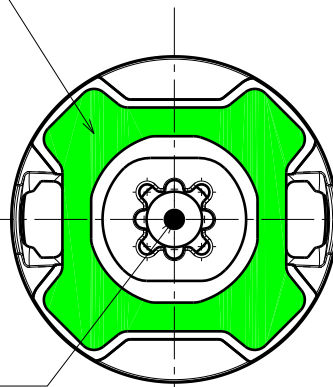
4

4



Isometric view

Tape 0,4mm

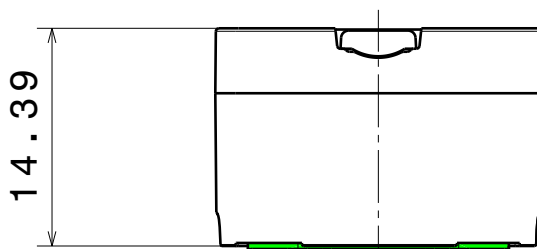


Led position

Bottom view

3

3



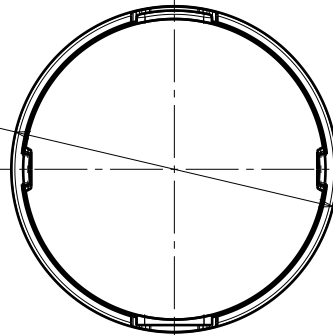
14.39

Front view

2

2

∅21.56



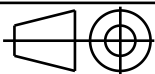
Top view

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

**LEDiL**

Ledil Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

Datasheet\_LXP2\_tape\_assy\_mech

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SIZE PART NUMBER

A4

-

SCALE 2:1 WEIGHT

-

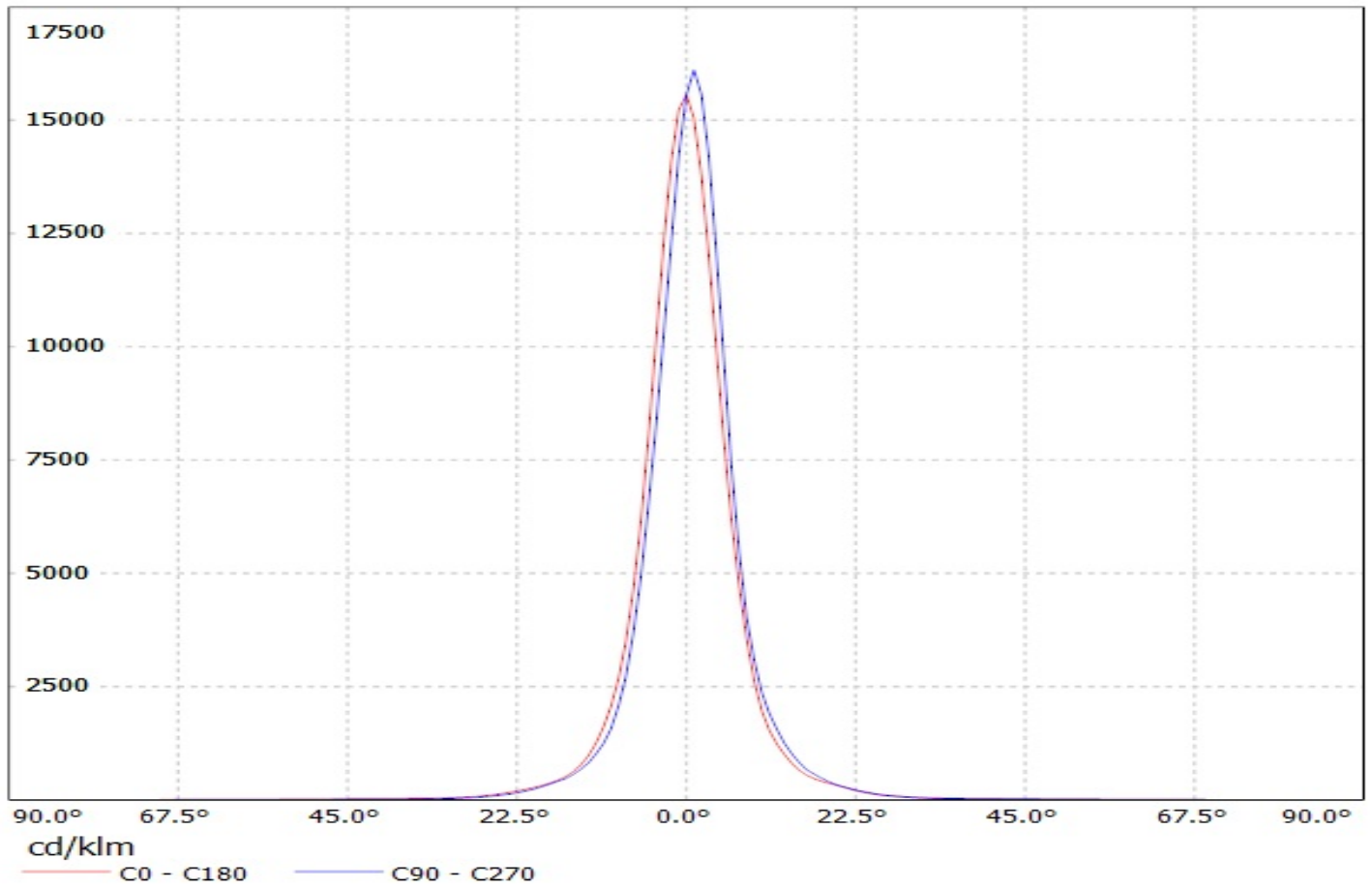
SHEET 1/1

D

A

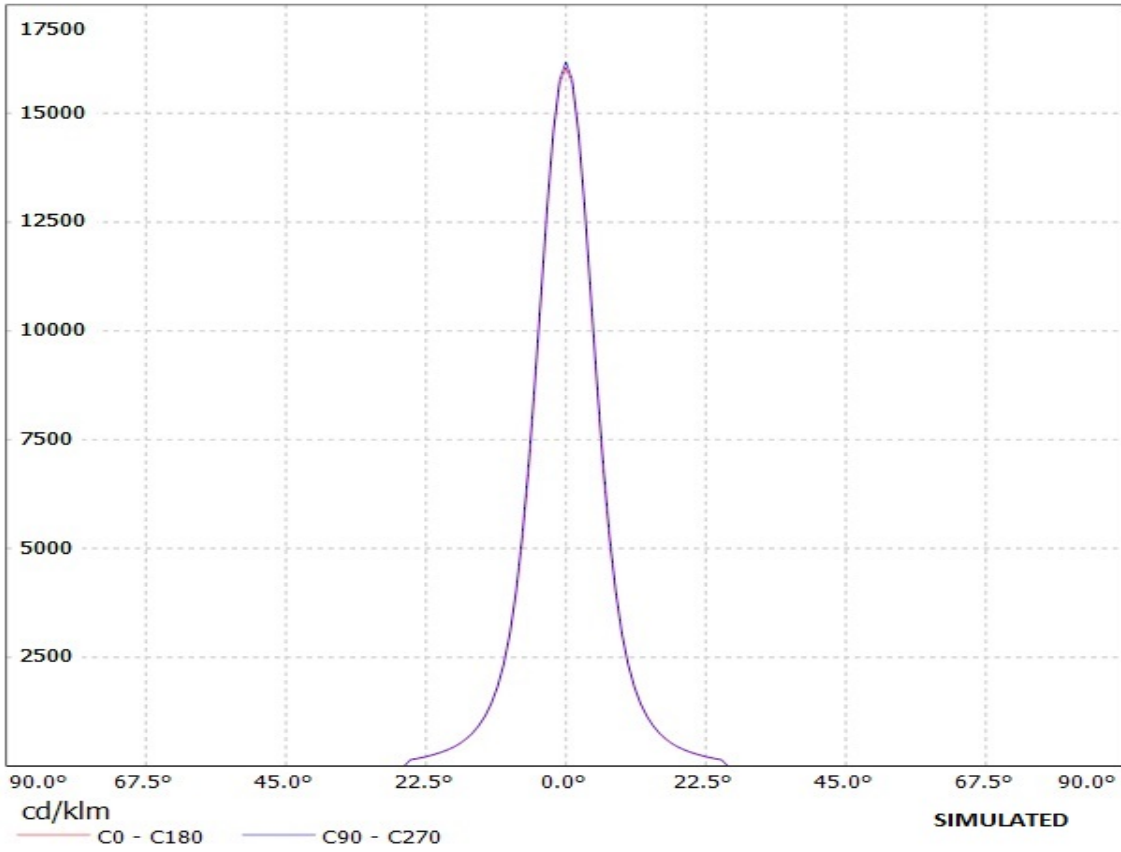
1

Luminaire: Ledil Oy CA12816\_LXP2-RS2\_(XT-E) Efficiency=92%  
Lamps: 1 x Cree XT-E (AWT) 250mA 113lm

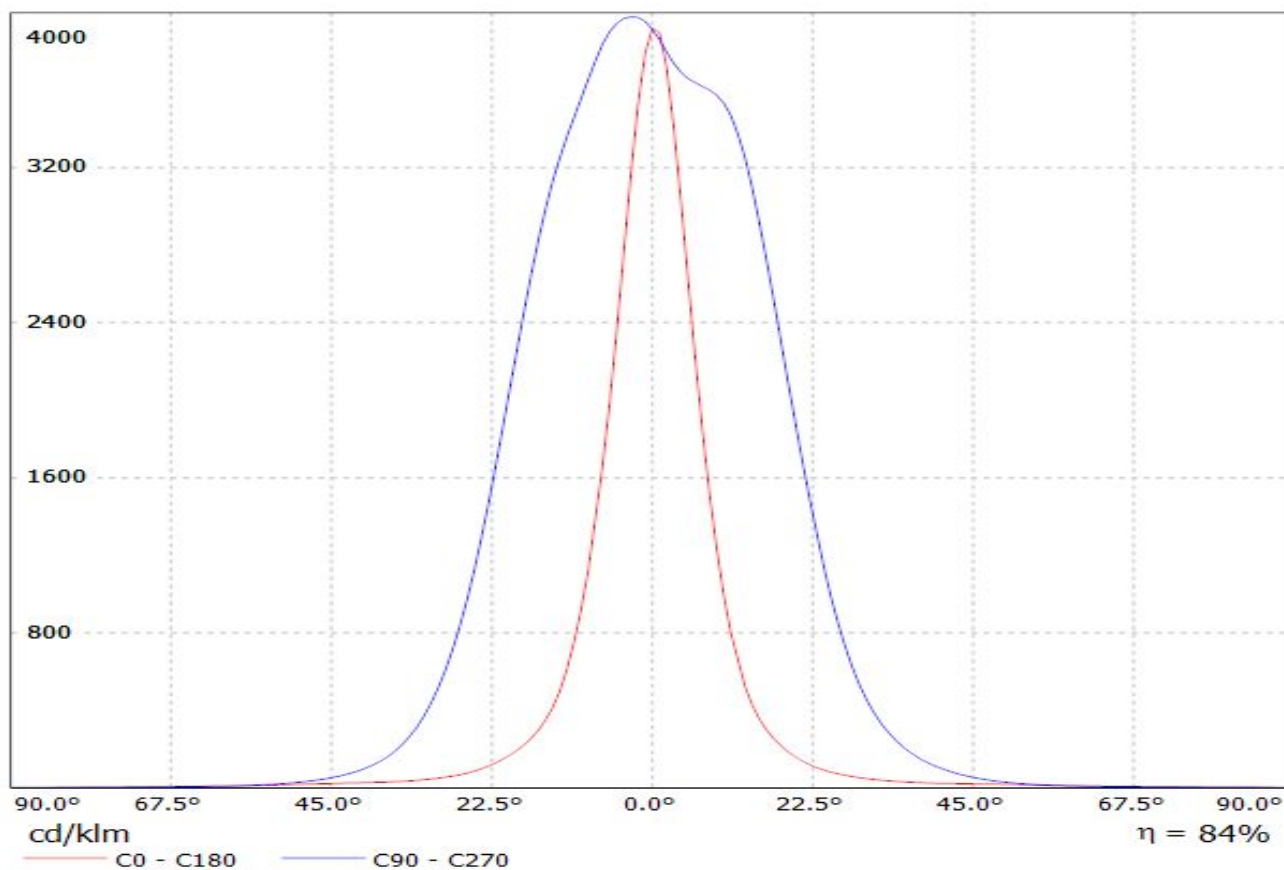


# Ledil Oy C11411\_LXP2-D C11411\_LXP2-D / LDC (Linear)

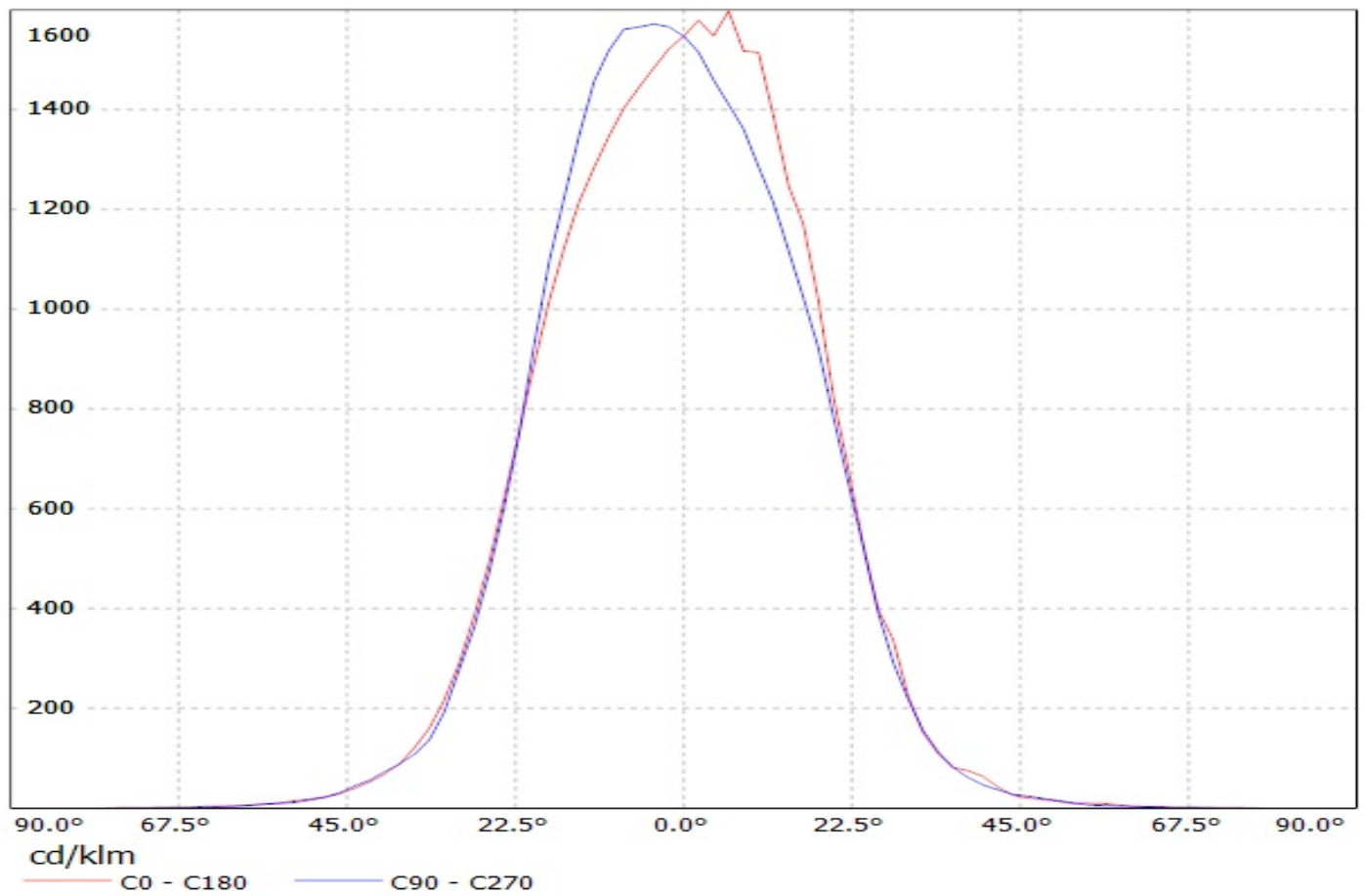
Luminaire: Ledil Oy C11411\_LXP2-D C11411\_LXP2-D  
Lamps: 1 x Cree XP-E (White)



Luminaire: LEDiL Oy CA11484\_LXP2-O-90\_(XT-E) Eff. 84%  
Lamps: 1 x XT-E (106,1lm@250mA) CCT=Cool white P=0.8W I=250mA

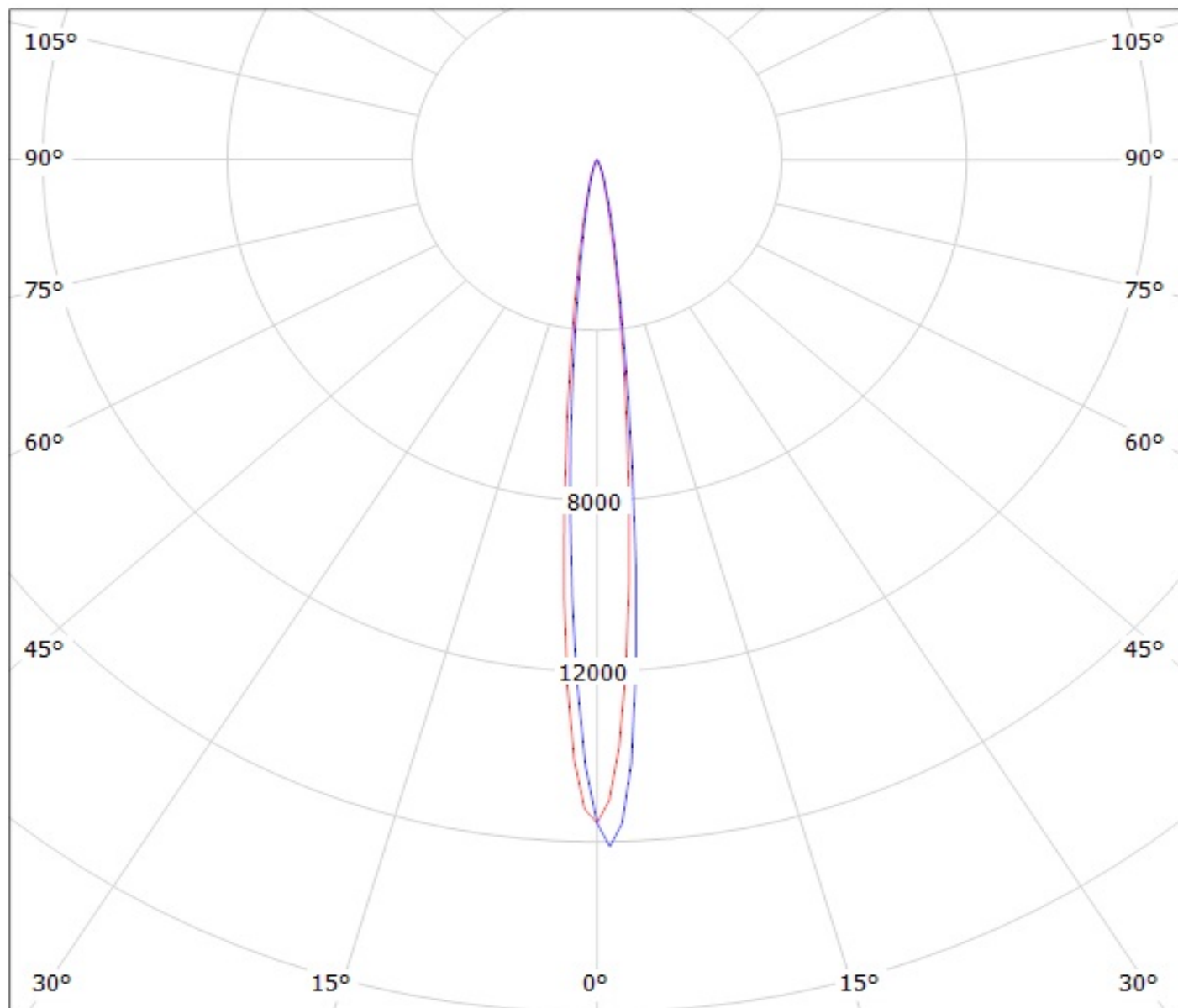


Luminaire: Ledil Oy CA12392\_LXP2-W-XT-E (CA12392\_LXP2-W-XT-E (AWT))  
Lamps: 1 x XT-E 113lm @ 250mA





Luminaire: Ledil Oy CA12816\_LXP2-RS2\_(XT-E) Efficiency=92%  
Lamps: 1 x Cree XT-E (AWT) 250mA 113lm

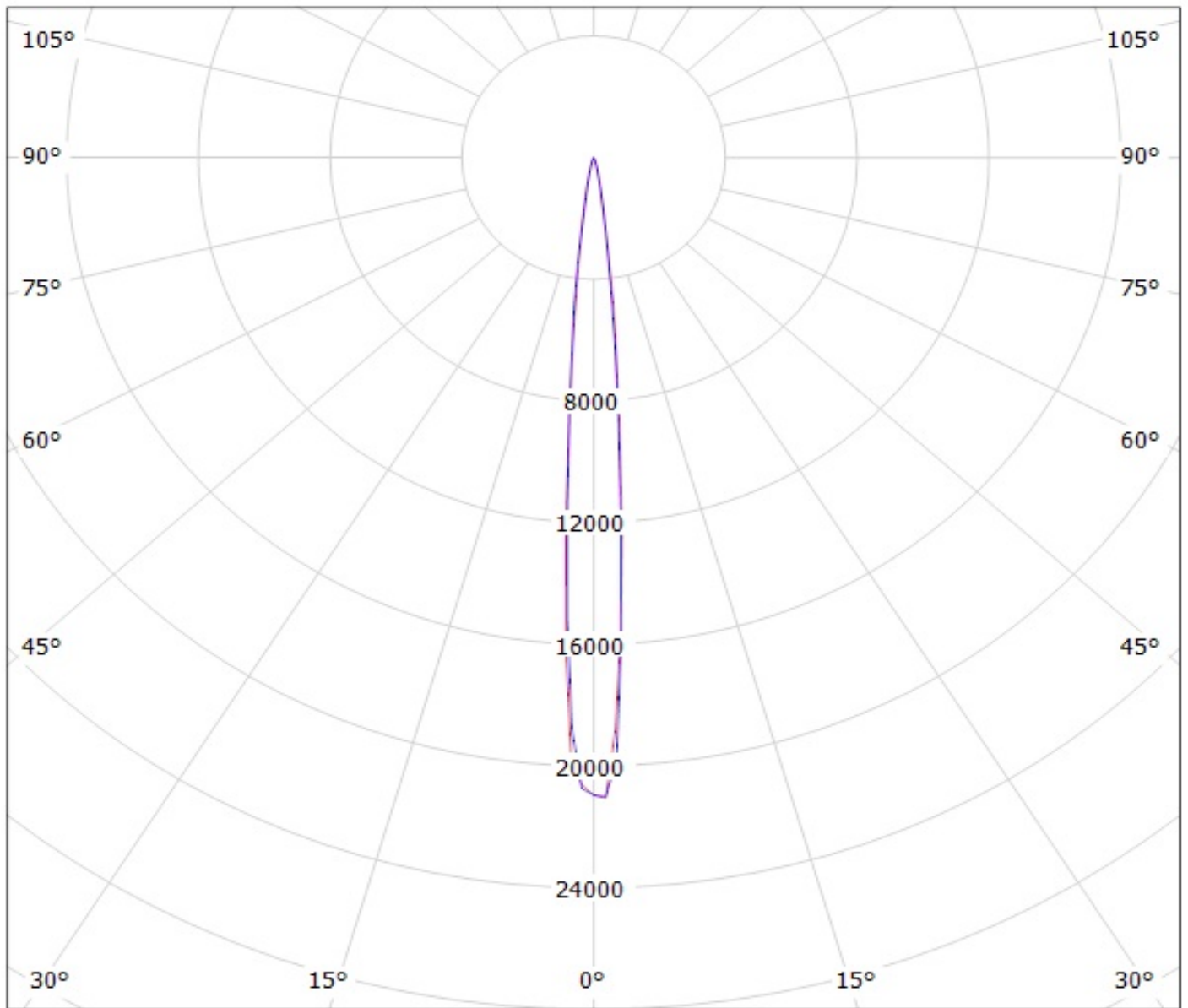


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA12584\_LXB2-RS2 Efficiency=85%  
Lamps: 1 x Cree XB-D warm (84lm @ 250mA)

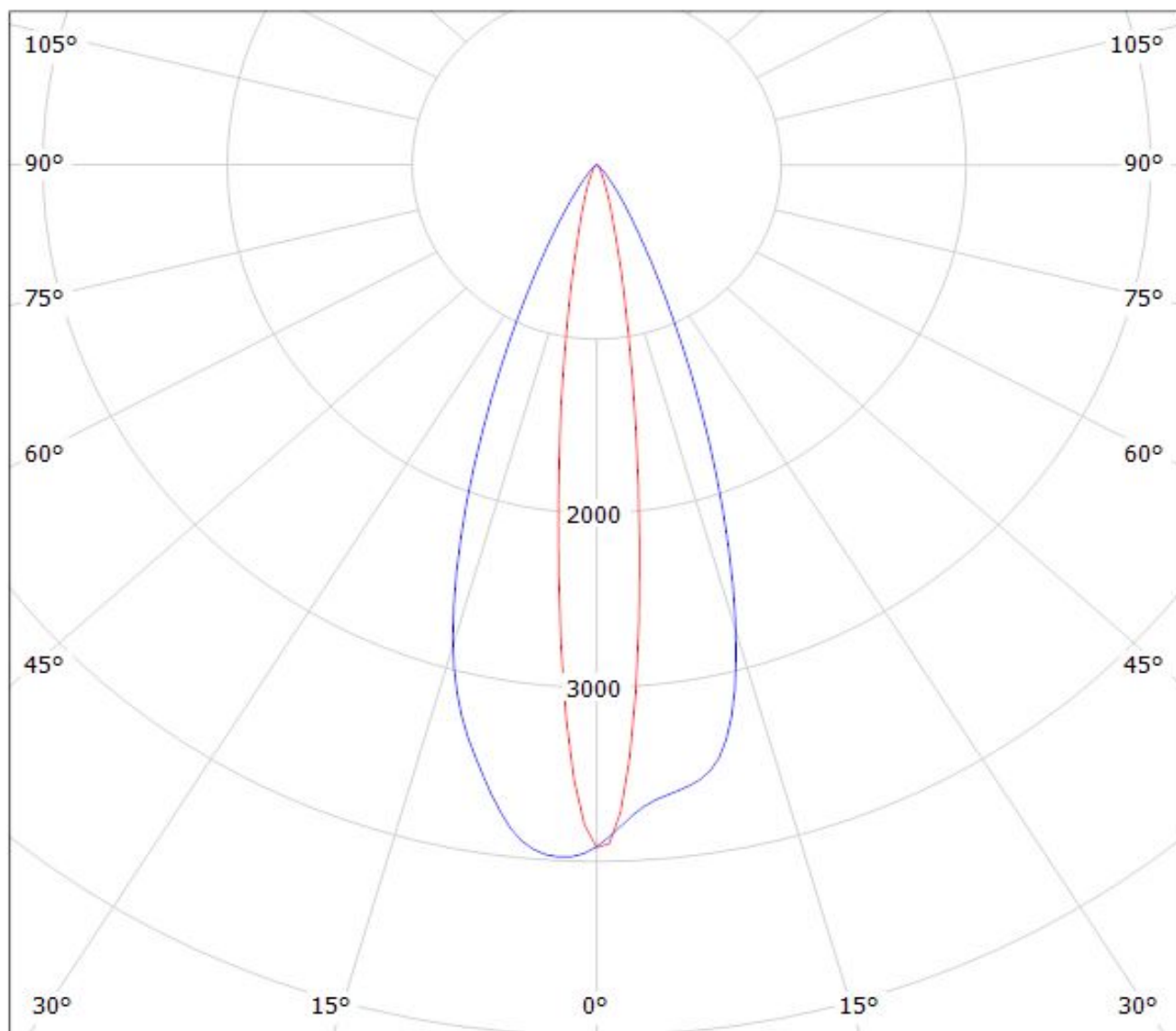


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA11484\_LXP2-O-90\_(XT-E) Eff. 84%  
Lamps: 1 x XT-E (106,1lm@250mA) CCT=Cool white P=0.8W I=250mA

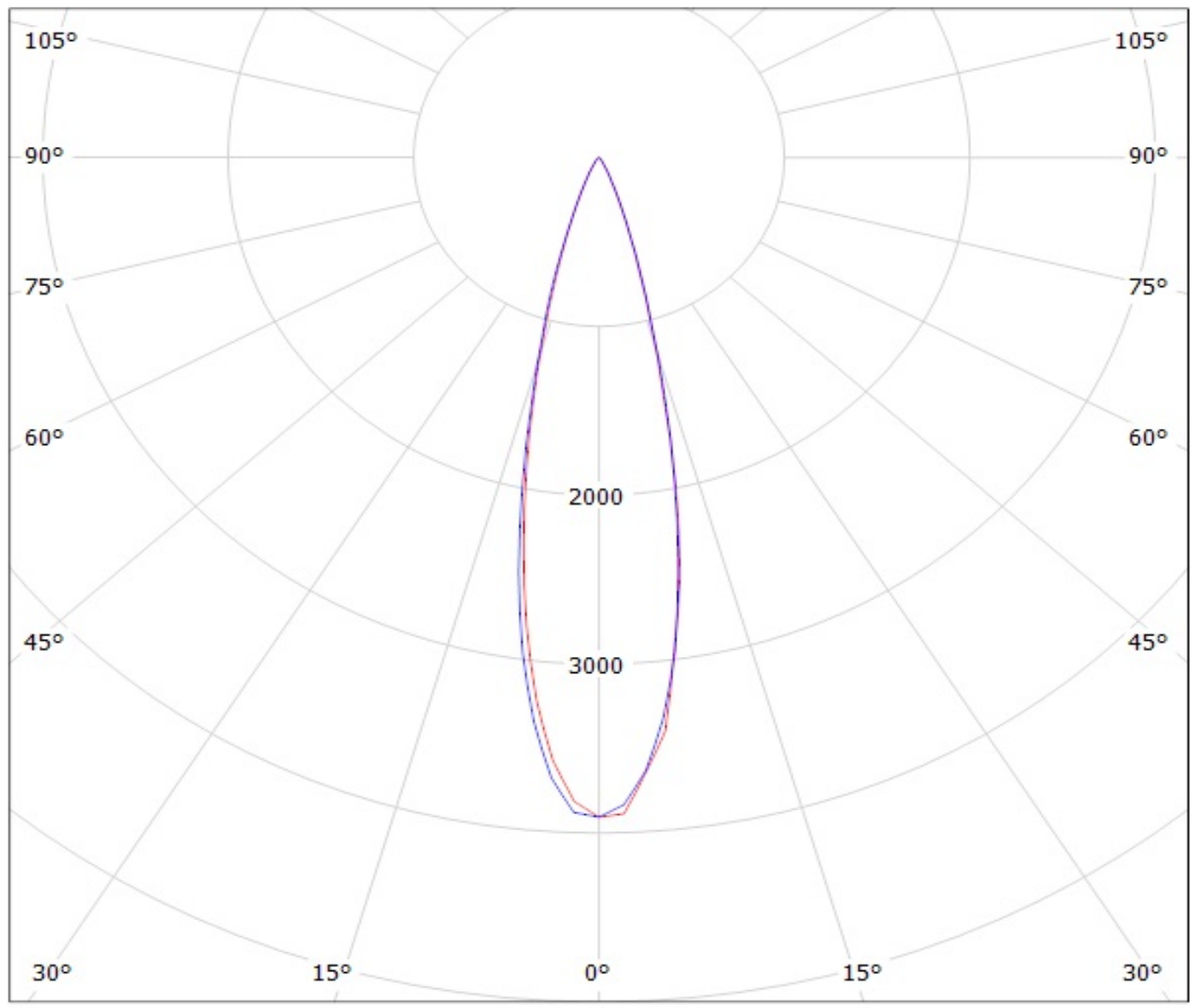


cd/klm

$\eta = 84\%$

— C0 - C180    — C90 - C270

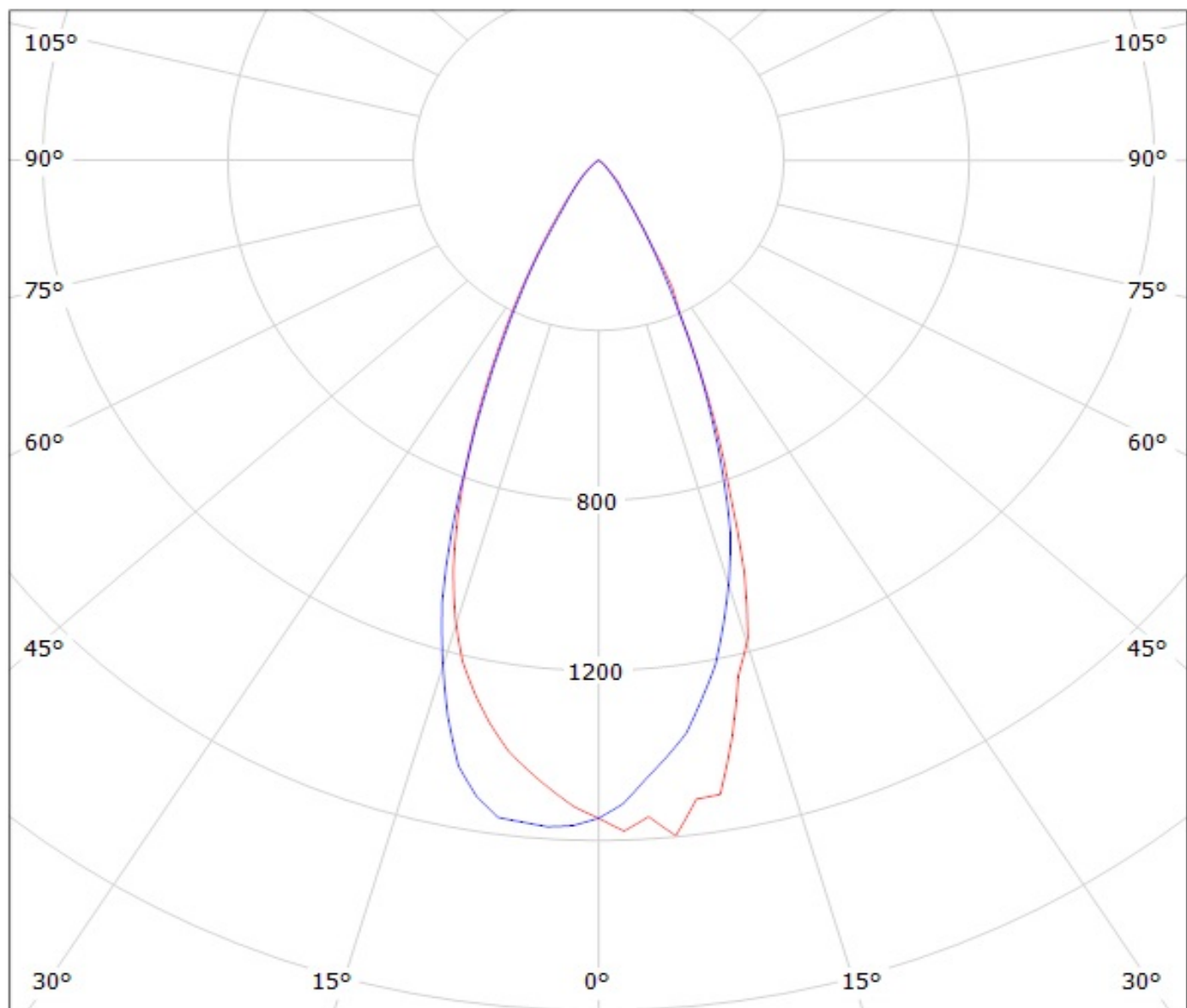
Luminaire: Ledil Oy CA11483\_LXP2-M-XT-E (Cree (AWT) XT-E 113lm @ 250mA)  
Lamps: 1 x Cree XT-E 113lm @ 250mA



cd/klm  
— C0 - C180    — C90 - C270

Luminaire: Ledil Oy CA12392\_LXP2-W-XT-E (CA12392\_LXP2-W-XT-E (AWT))

Lamps: 1 x XT-E 113lm @ 250mA



cd/klm

— C0 - C180

— C90 - C270