

# PRODUCT DATASHEET

## Tina3 series

last update 2/6/2015

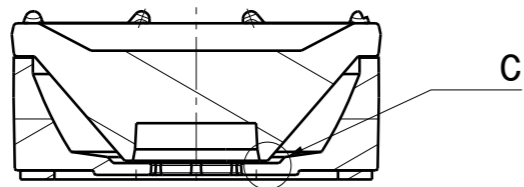
## DETAILS

Product Number	CA13044_TINA3-OO
Family	Tina3
Type	Assembly
Color	white
Diameter	16,1 mm
Height	7,29 mm
Style	round
Optic Material	PMMA
Holder Material	PC
Fastening	tape
Status	ready
ROHS Comliant	Yes
Date Updated	27/09/2012

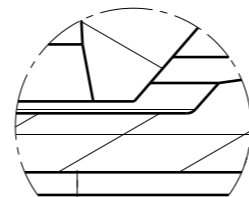
## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XP-G	48+32 deg	OO-class	93 %	1.400	-
XP-E	48+34 deg	OO-class	93 %	1.500	-
XP-L HI	53+36 deg	OO-class	93 %	1.400	-

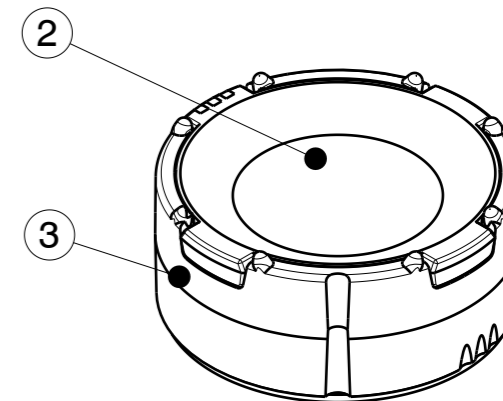
INDEX	PART NO	DESCRIPTION	MATERIAL
1	C11840	TINA-TAPE3	PU 2-sided foam tape, adhesive
2	C12424	TINA3-WWW	PMMA
3	C12904	TINA3-HLD-TAPE	PC, white



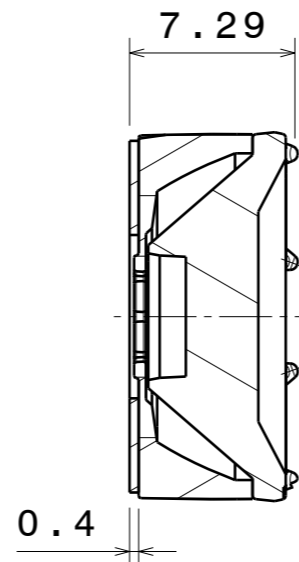
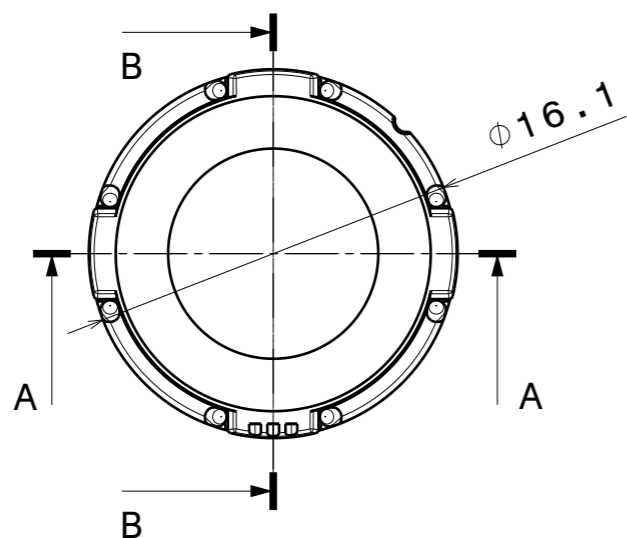
Section view A-A  
Scale: 3:1



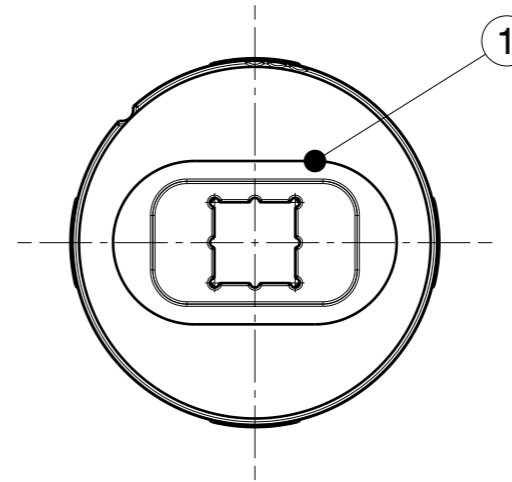
Detail C



Isometric view  
Scale: 3:1




Section view B-B  
Scale: 3:1



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

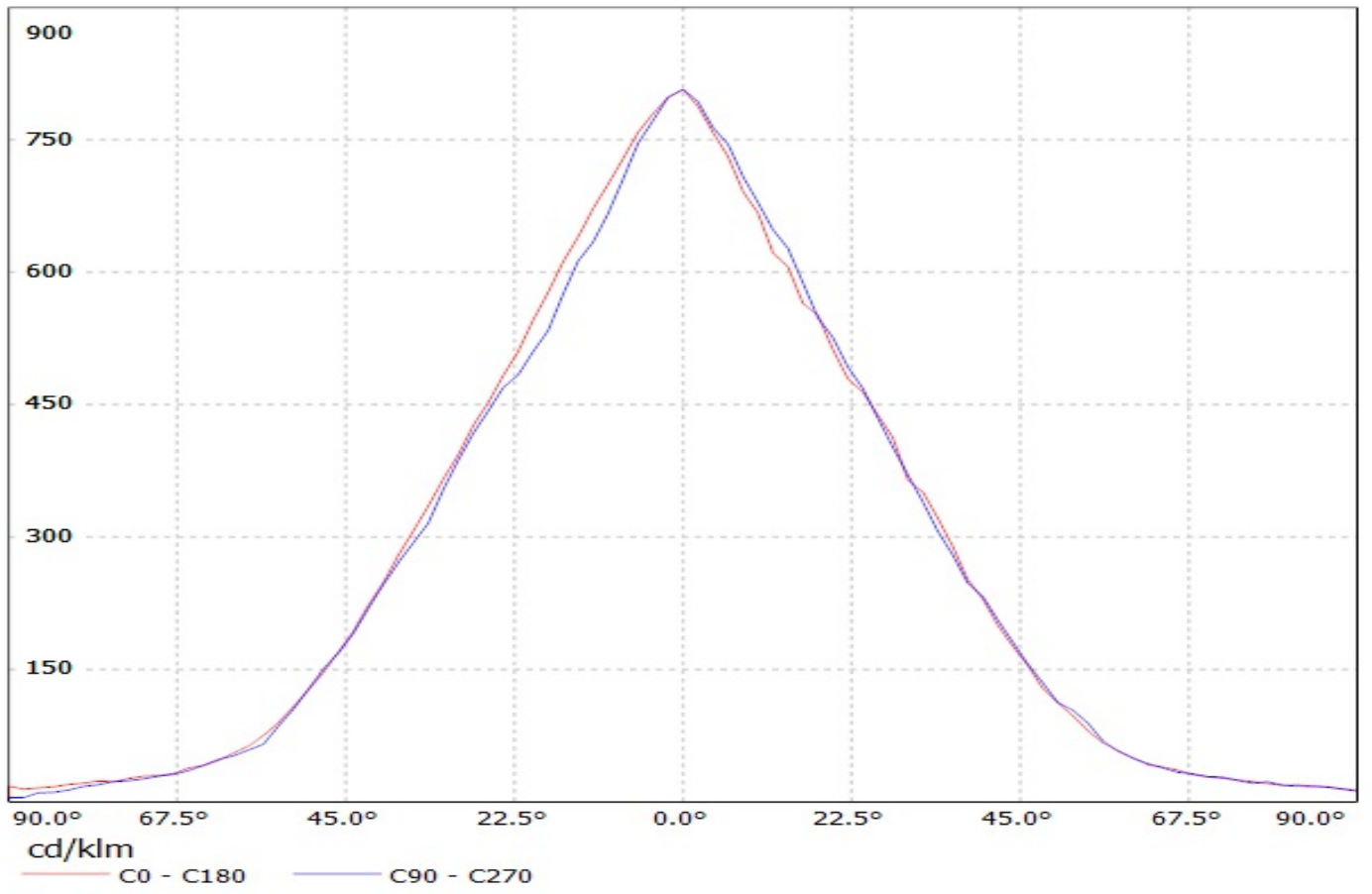
According to DIN ISO 2768-2  
Form and position:  
class L

Control for SPC marked dimensions.

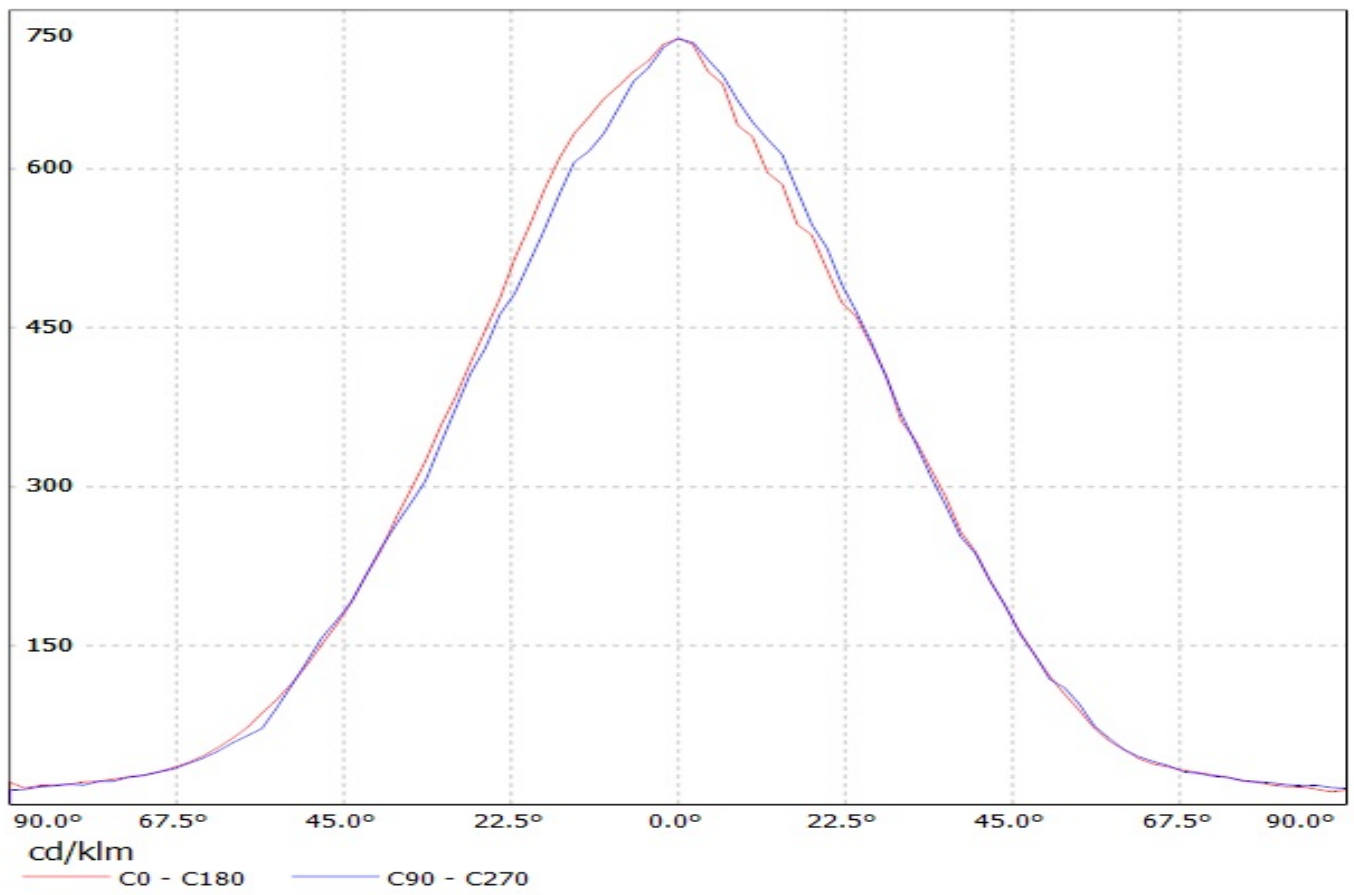
This drawing is our property. It can't be reproduced or communicated without our written agreement.		 Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWN BY oha		DRAWING TITLE Datasheet	
DATE 20.9.2012		CA13045 TINA3-WWW	
CHECKED BY VS	DATE -	SIZE A3	PART NUMBER CA13045
DESIGNED BY -	DATE -	SCALE 3:1	WEIGHT 3,82 g
		SHEET 1/1	REV 001



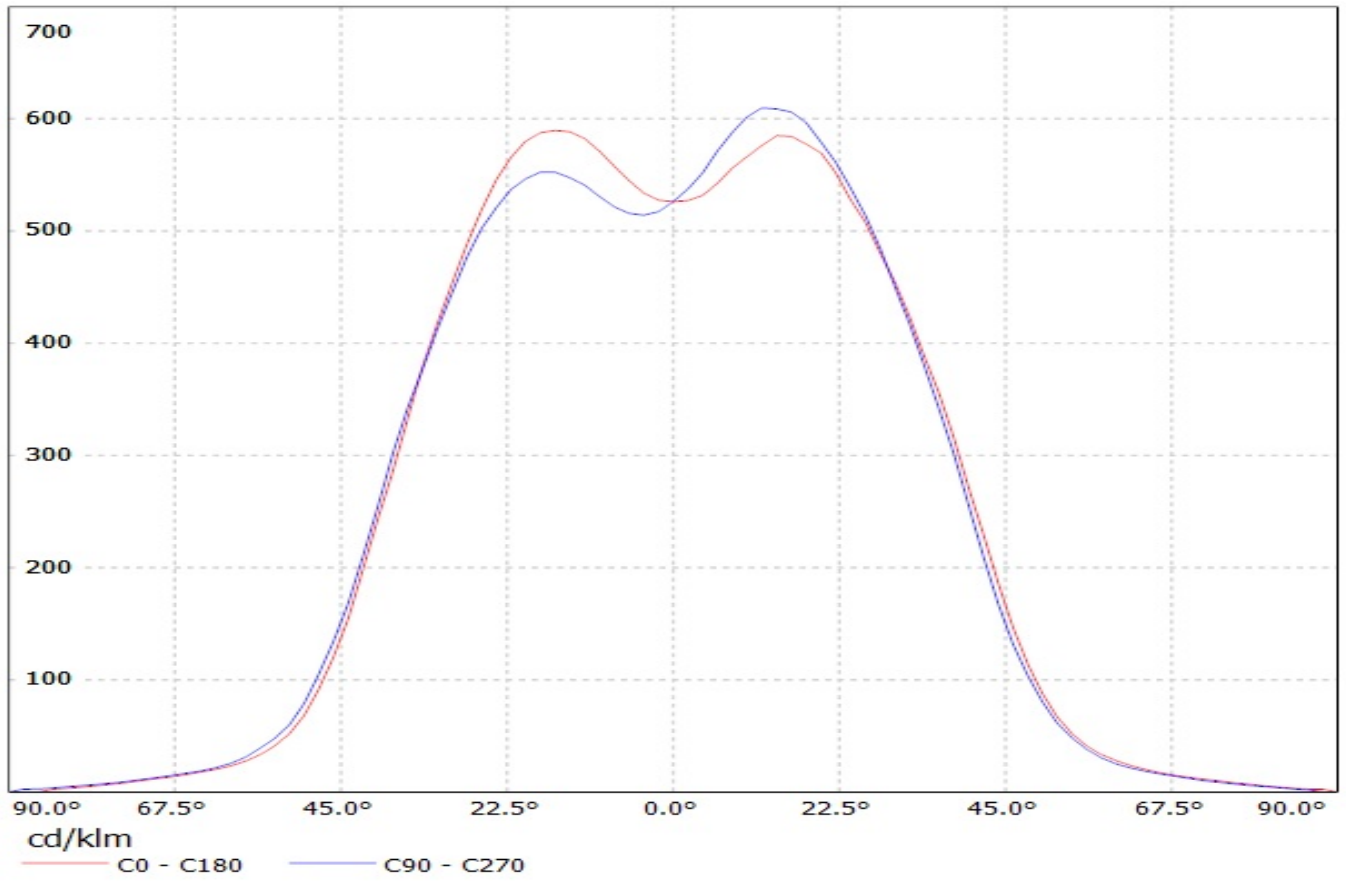
Luminaire: Ledil Oy CA13045\_TINA3-WWW (Cree XP-E 76lm @ 250mA) Efficiency=92%  
Lamps: 1 x Cree XP-E 76lm @ 250mA



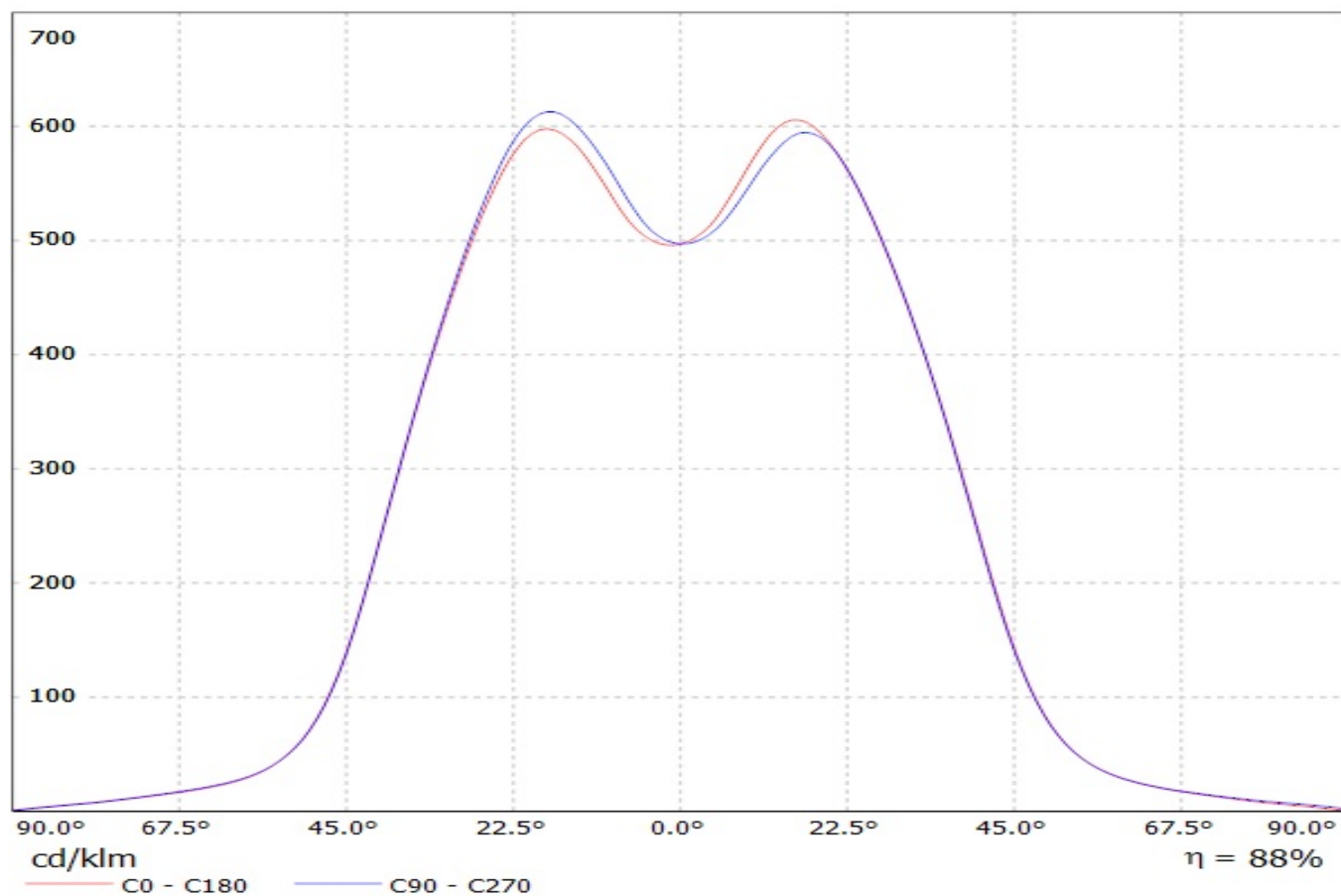
Luminaire: Ledil Oy CA13045\_TINA3-WWW (Cree XP-G 87lm @ 250mA) Efficiency=92%  
Lamps: 1 x Cree XP-G 87lm @ 250mA



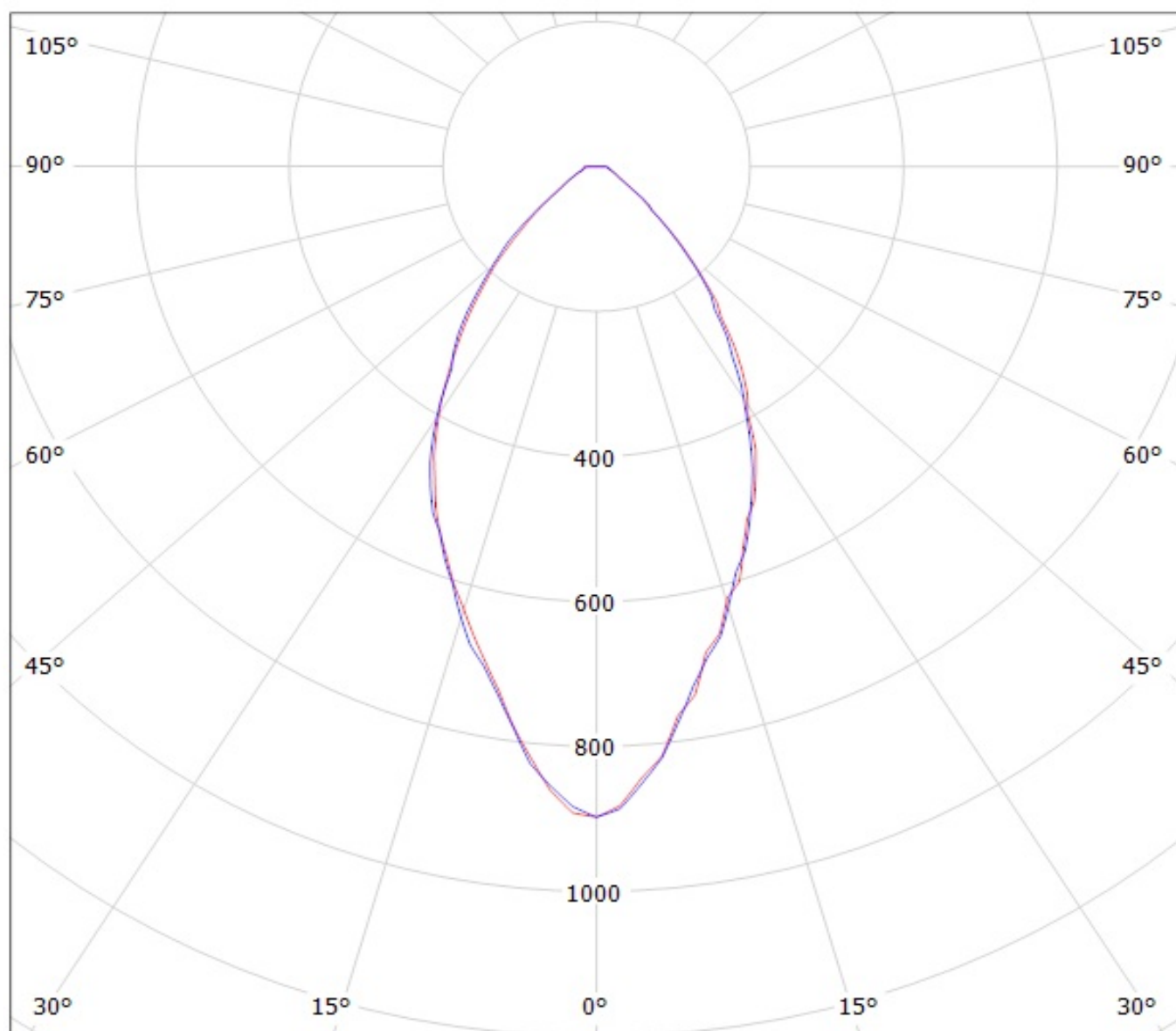
Luminaire: Ledil Oy CA13045\_TINA3-WWW\_(XP-G2) Efficiency=88%  
Lamps: 1 x Cree XP-G2 103lm @ 250mA CCT=6596 P=0.75W I=250mA



Luminaire: LEDiL Oy CA13045\_TINA3-WWW\_(XP-L\_HI)  
Lamps: 1 x Cree\_XP-L\_HI\_114.406lm@250mA\_P=0.745352W\_I=0.2499A



Luminaire: Ledil Oy CA13045\_TINA3-WWW (Cree XT-E 94lm @ 250mA) Efficiency=93%  
Lamps: 1 x Cree XT-E 94lm @ 250mA



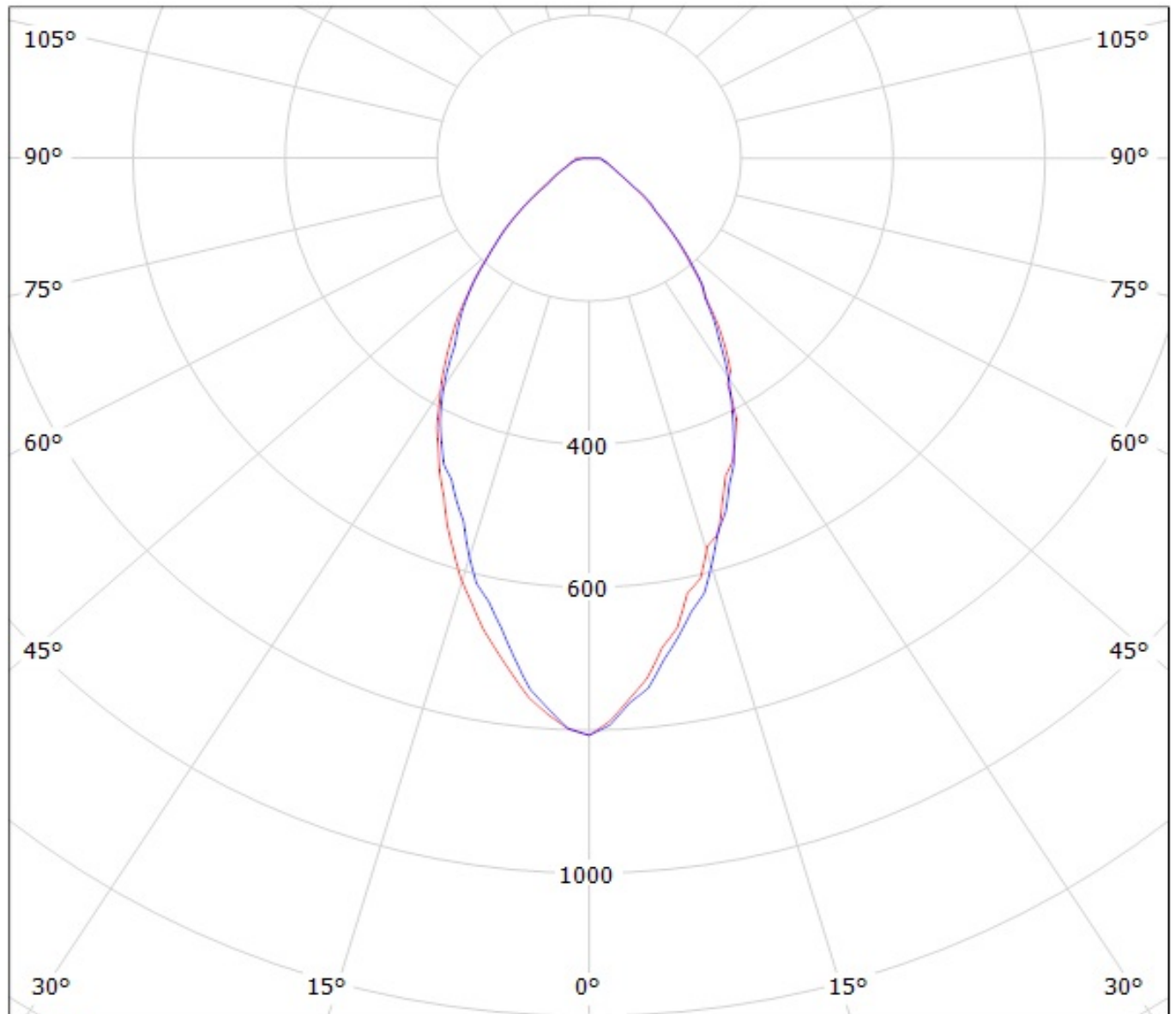
cd/klm

— C0 - C180

— C90 - C270



Luminaire: Ledil Oy CA13045\_TINA3-WWW (Cree XP-E 76lm @ 250mA) Efficiency=92%  
Lamps: 1 x Cree XP-E 76lm @ 250mA

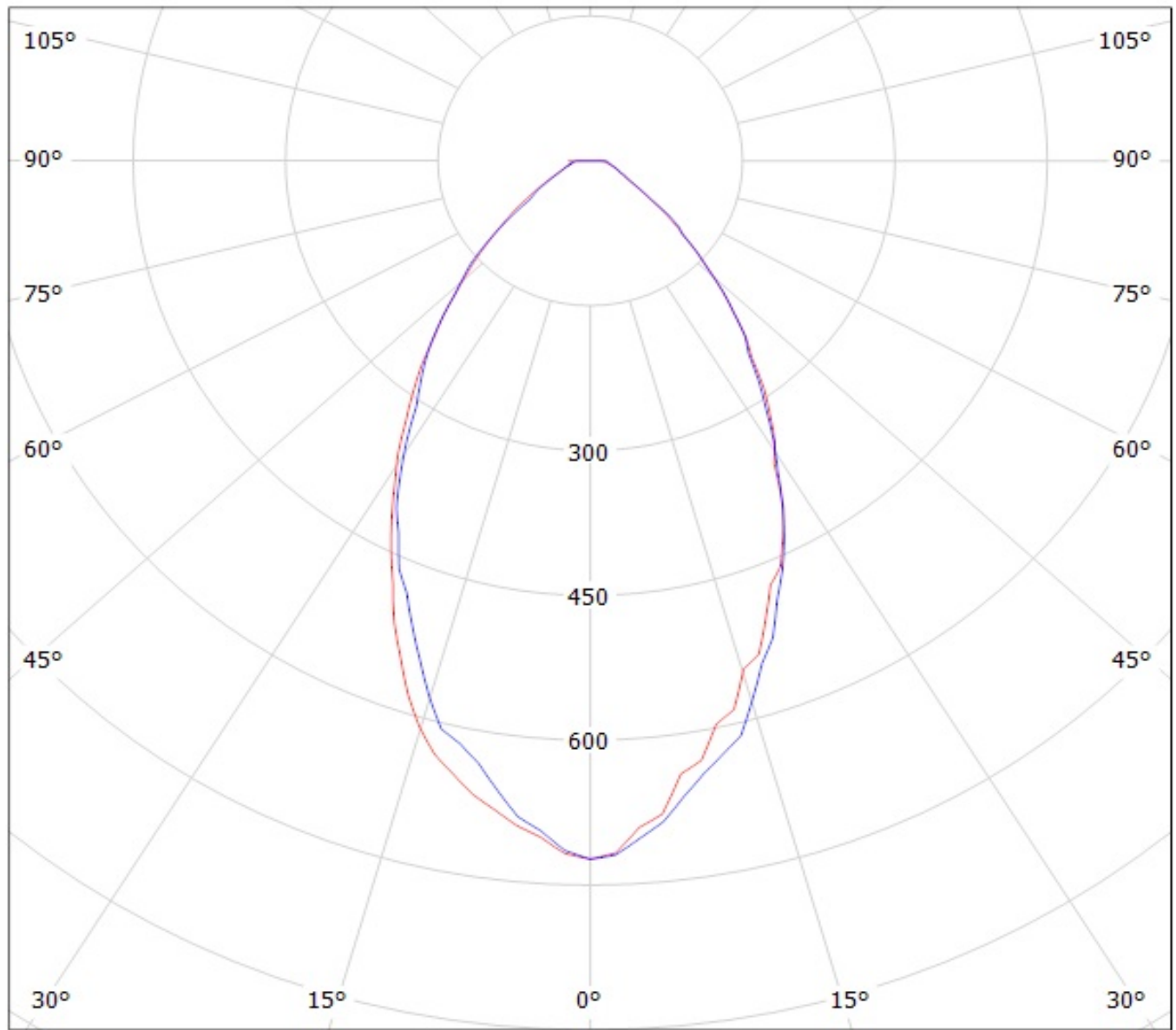


cd/klm

— C0 - C180

— C90 - C270

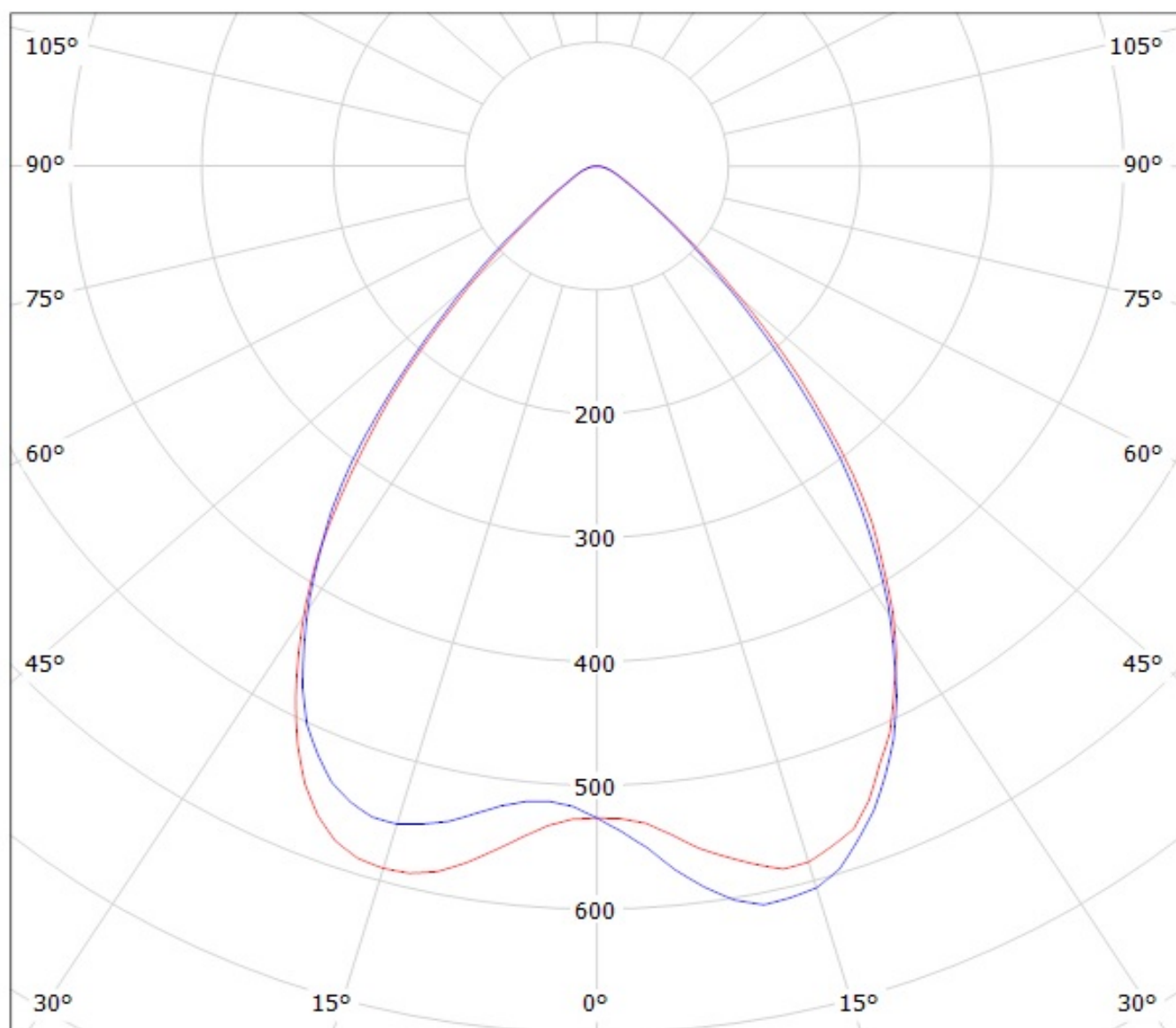
Luminaire: Ledil Oy CA13045\_TINA3-WWW (Cree XP-G 87lm @ 250mA) Efficiency=92%  
Lamps: 1 x Cree XP-G 87lm @ 250mA



cd/klm

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy CA13045\_TINA3-WWW\_(XP-G2) Efficiency=88%  
Lamps: 1 x Cree XP-G2 103lm @ 250mA CCT=6596 P=0.75W I=250mA



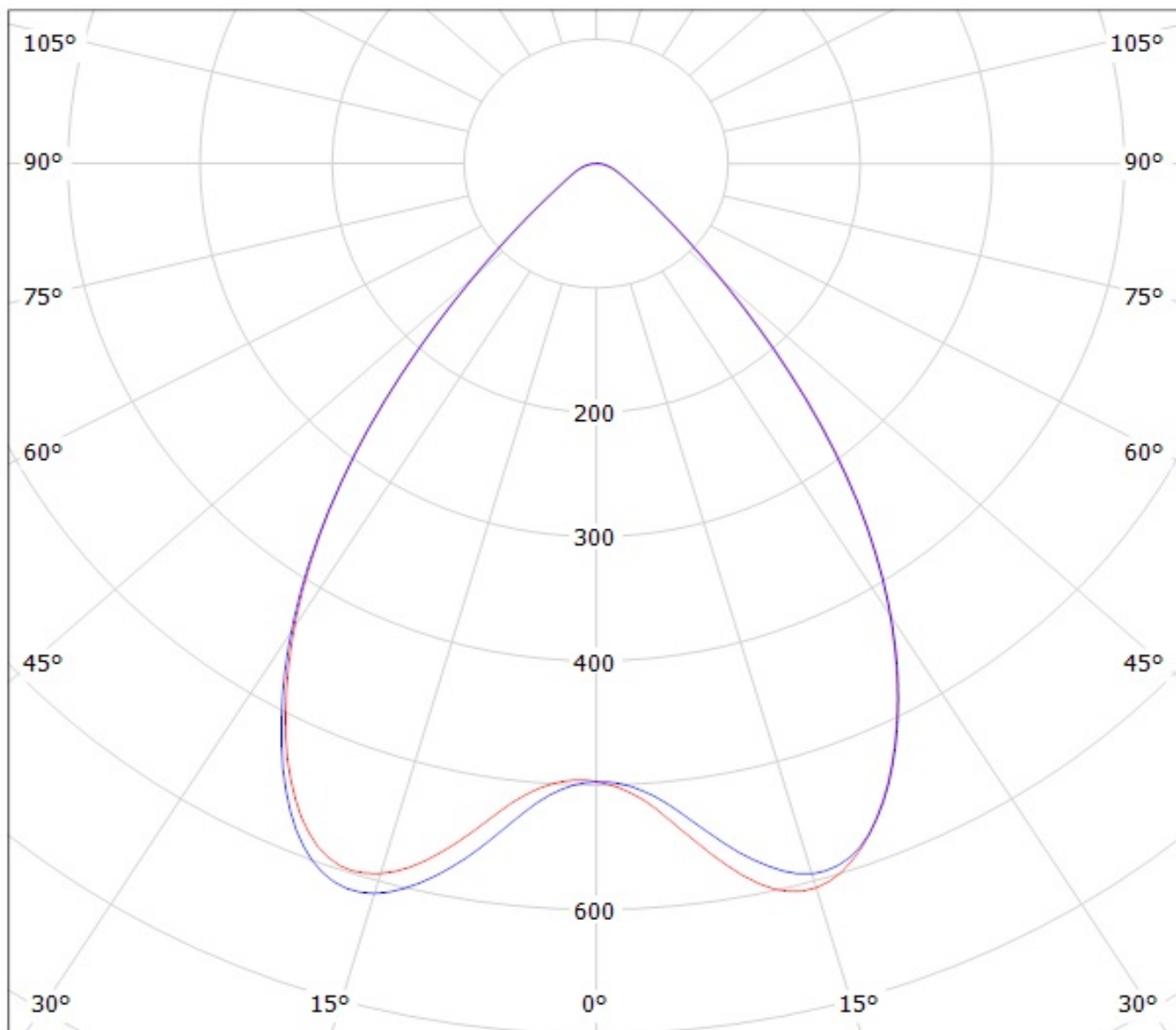
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA13045\_TINA3-WWW\_(XP-L\_HI)

Lamps: 1 x Cree\_XP-L\_HI\_114.406lm@250mA\_P=0.745352W\_I=0.2499A



cd/klm

— C0 - C180

— C90 - C270

$\eta = 88\%$

**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.**

### **GENERAL INFORMATION**

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- 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.**