

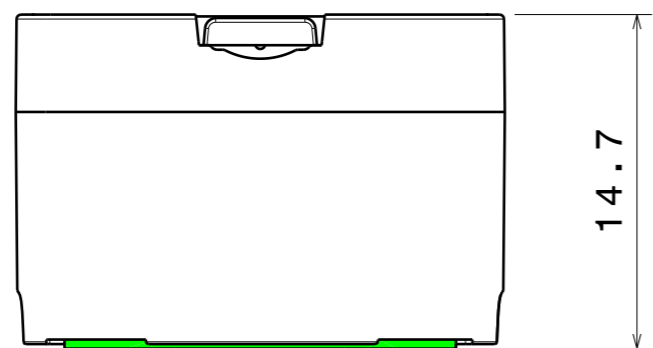
DETAILS

Product Number	CA12816_LXP2-RS2
Family	Leila
Type	Assembly
Color	black
Diameter	21,6 mm
Height	14,6 mm
Style	round
Optic Material	PMMA
Holder Material	PC
Fastening	tape
Status	ready
ROHS Compliant	Yes
Date Updated	18/10/2013

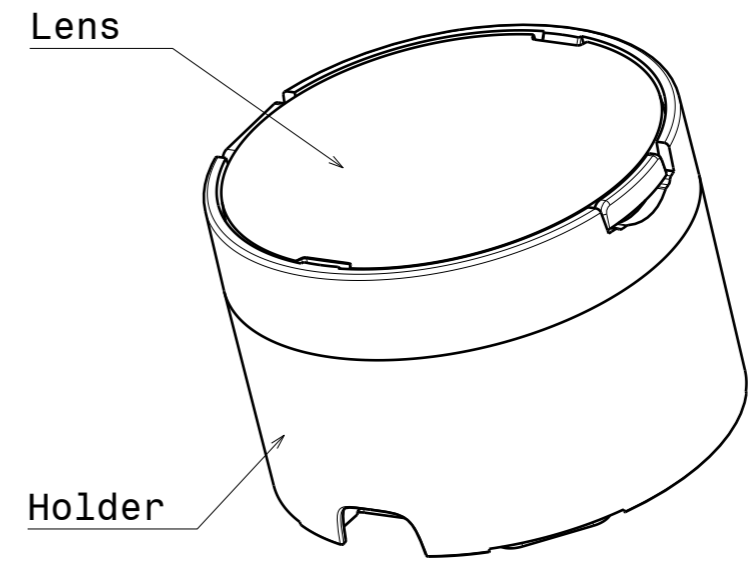


OPTICAL PROPERTIES

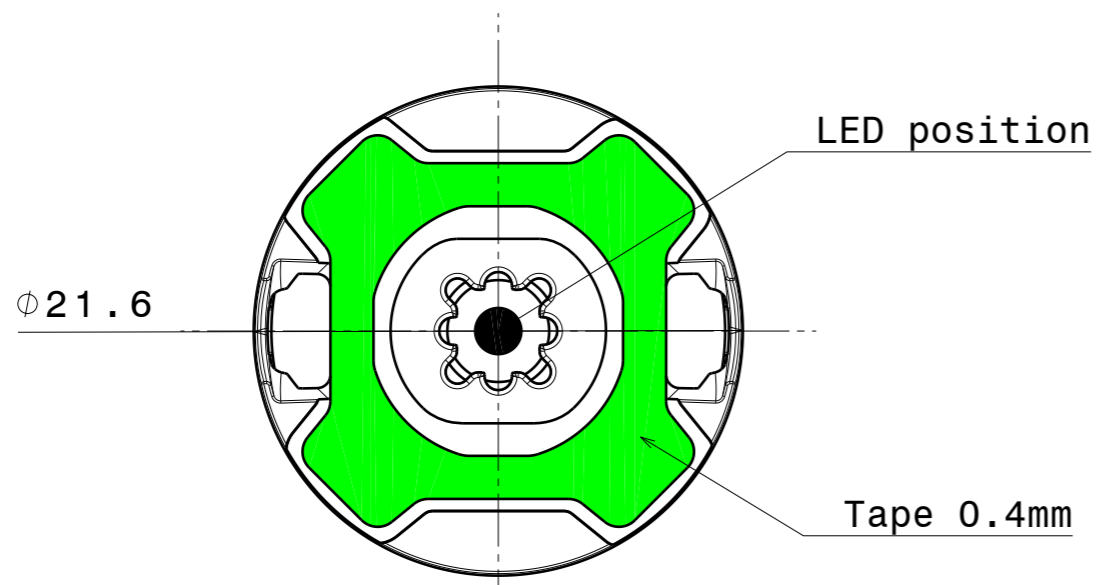
LED	Viewing	Light	Effi-	cd/lm	Connector
	Angle	Beam	ciency		
XP-E2	8 deg	RS2-class	90 %	29.700	-
XT-E	8 deg	RS2-class	92 %	15.600	-
XP-L HI	10 deg	RS2-class	90 %	18.400	-
XP-G2	11 deg	RS2-class	90 %	19.400	-



Front view
Scale: 3:1



Isometric view
Scale: 3:1



Bottom view
Scale: 3:1

INDEX	DESCRIPTION	MATERIAL	COLOUR
1	Lens	PMMA	
2	Holder	PC	black
3	Tape	PU 2-sided foam tape	adhesive

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:

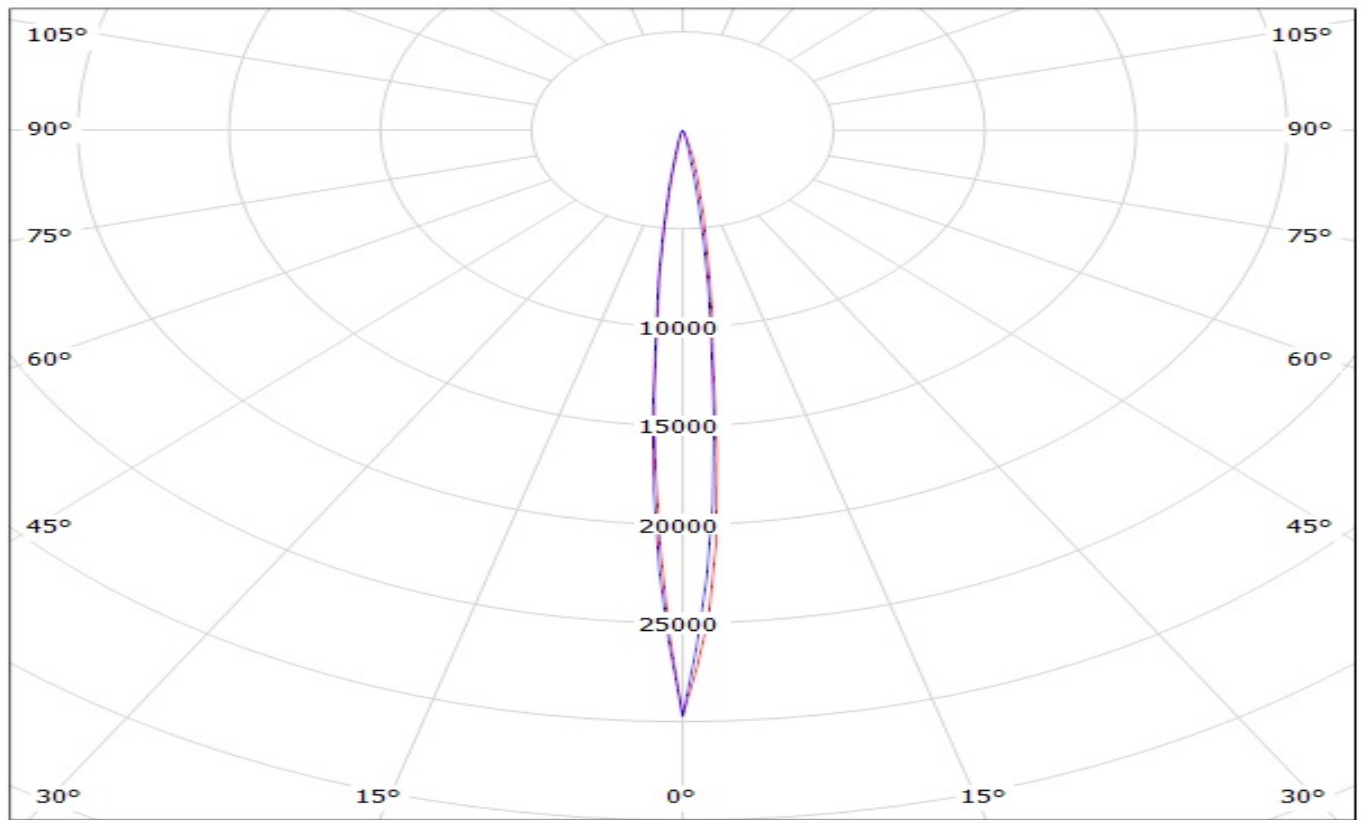
DRAWING TITLE
Datasheet_LXP2-Series

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SIZE **A3** PART NUMBER -

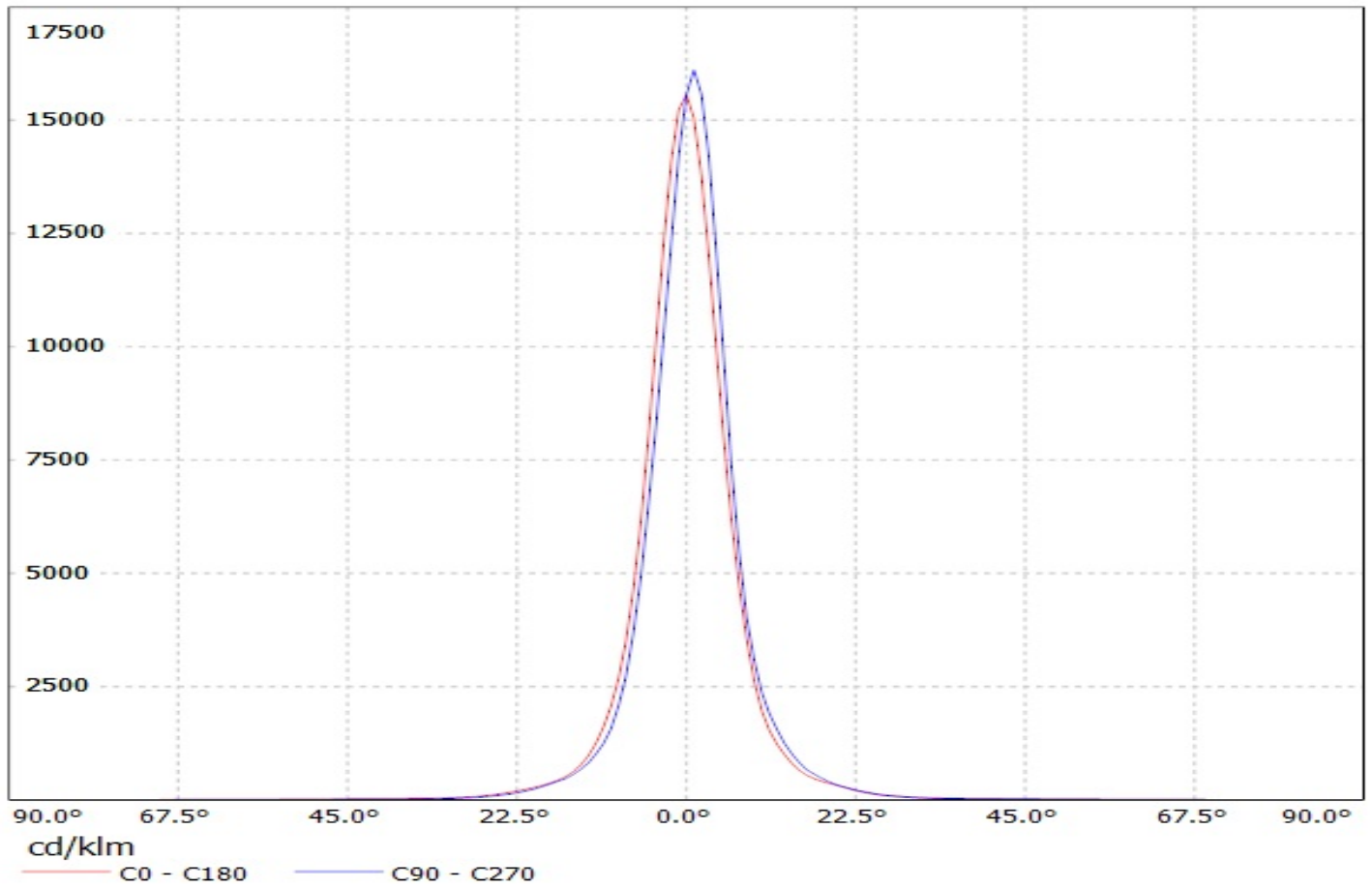
SCALE **3:1** WEIGHT - SHEET **1/1**

Luminaire: LEDil Oy CA12816_LXP2-RS2_(XP-E2) Efficiency=90%
Lamps: 1 x Cree XP-E2 (92lm @ 250mA) CCT=5500K P=0.8W I=250mA



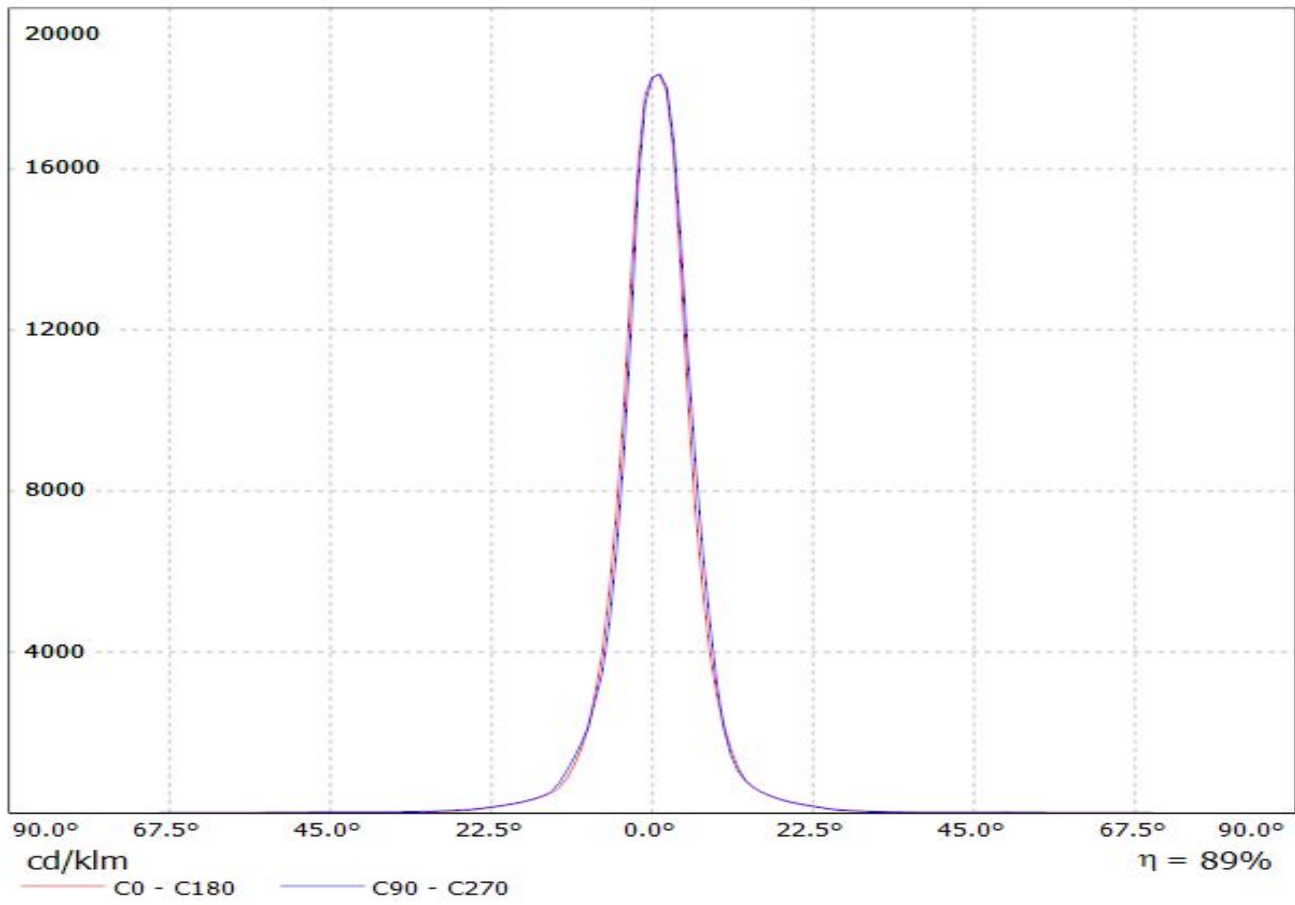
cd/klm
— C0 - C180 — C90 - C270

Luminaire: Ledil Oy CA12816_LXP2-RS2_(XT-E) Efficiency=92%
Lamps: 1 x Cree XT-E (AWT) 250mA 113lm



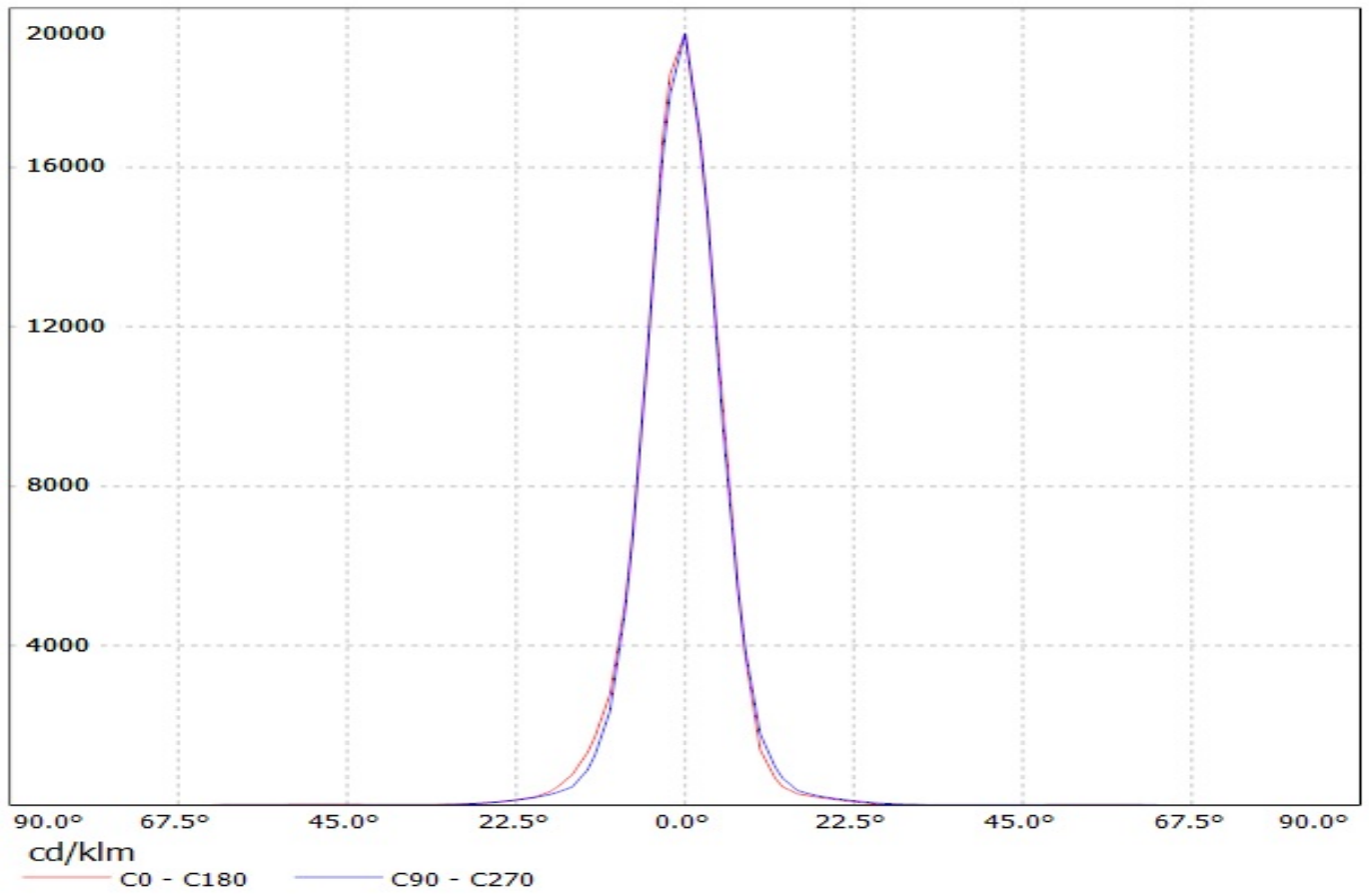
Luminaire: Ledil CA12816_LXP2-RS2_(XP-L_HI)

Lamps: 1 x CREE_XP-L_HI_116.971lm@250mA_P=0.75W_I=0.25A

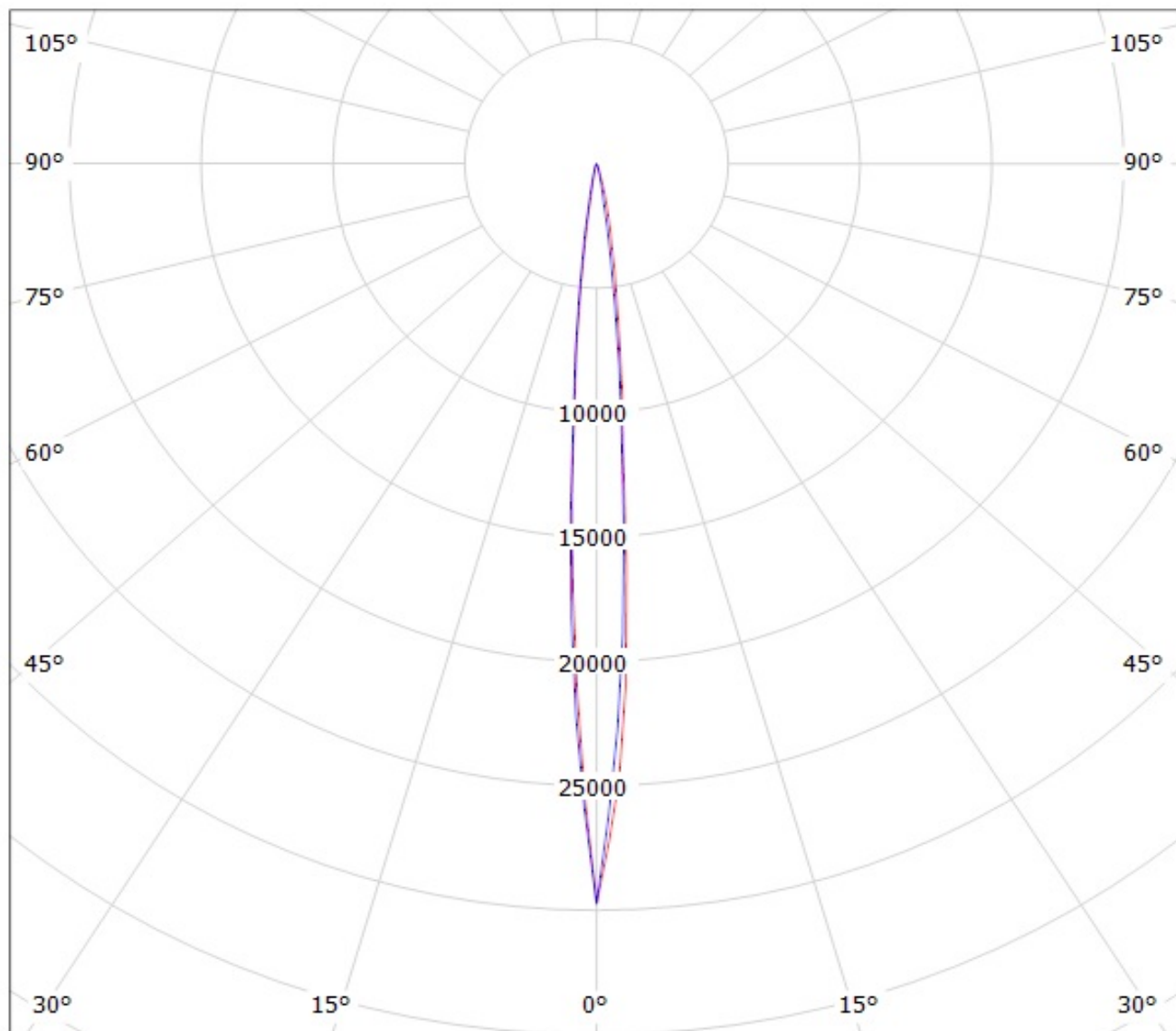


Luminaire: LEDil Oy CA12816-LXP2-RS2_(XP-G2) Efficiency=90%

Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 102lm @ 250mA CCT=4900K P=0.8W I=250mA



Luminaire: LEDil Oy CA12816_LXP2-RS2_(XP-E2) Efficiency=90%
Lamps: 1 x Cree XP-E2 (92lm @ 250mA) CCT=5500K P=0.8W I=250mA

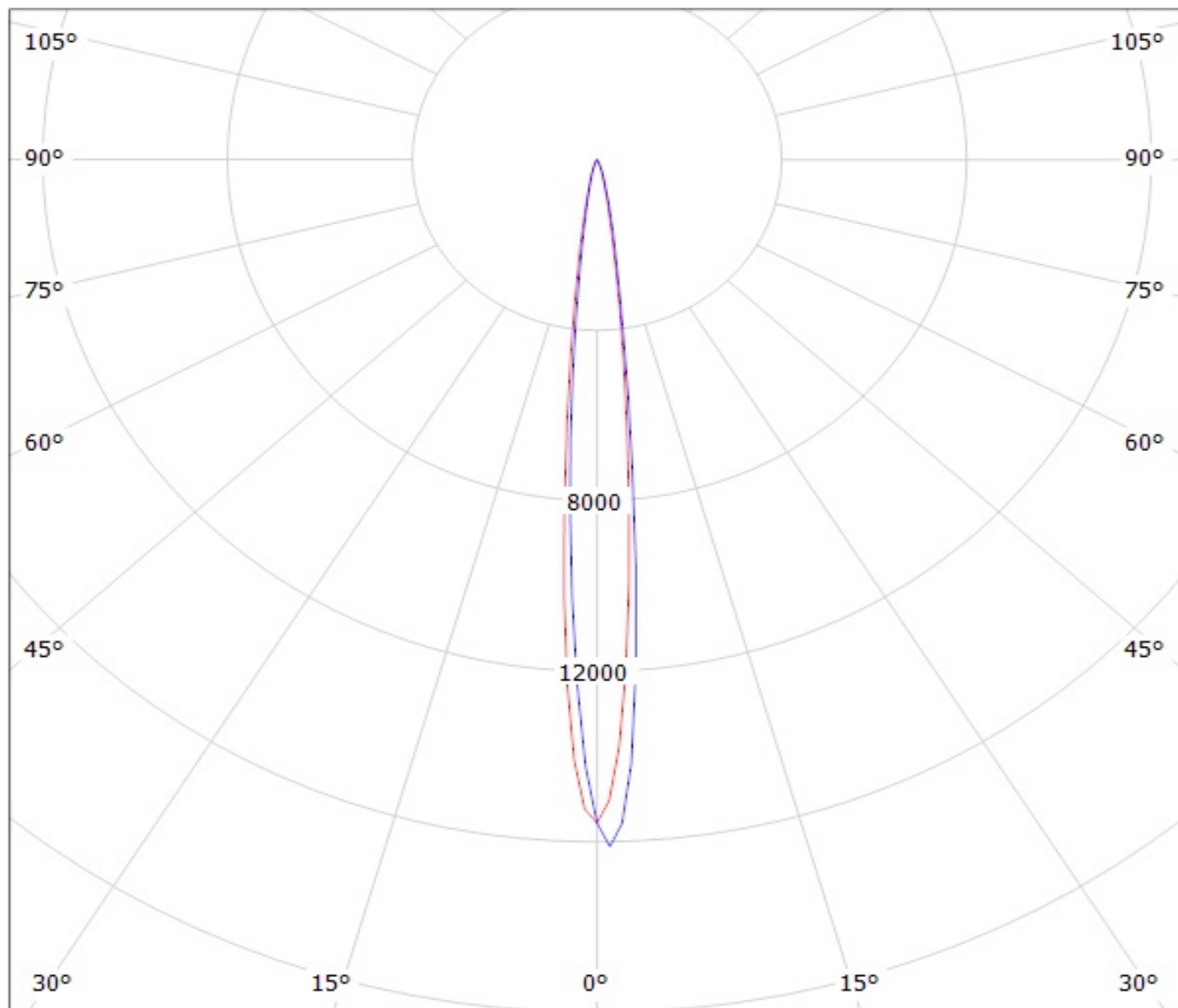


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA12816_LXP2-RS2_(XT-E) Efficiency=92%
Lamps: 1 x Cree XT-E (AWT) 250mA 113lm



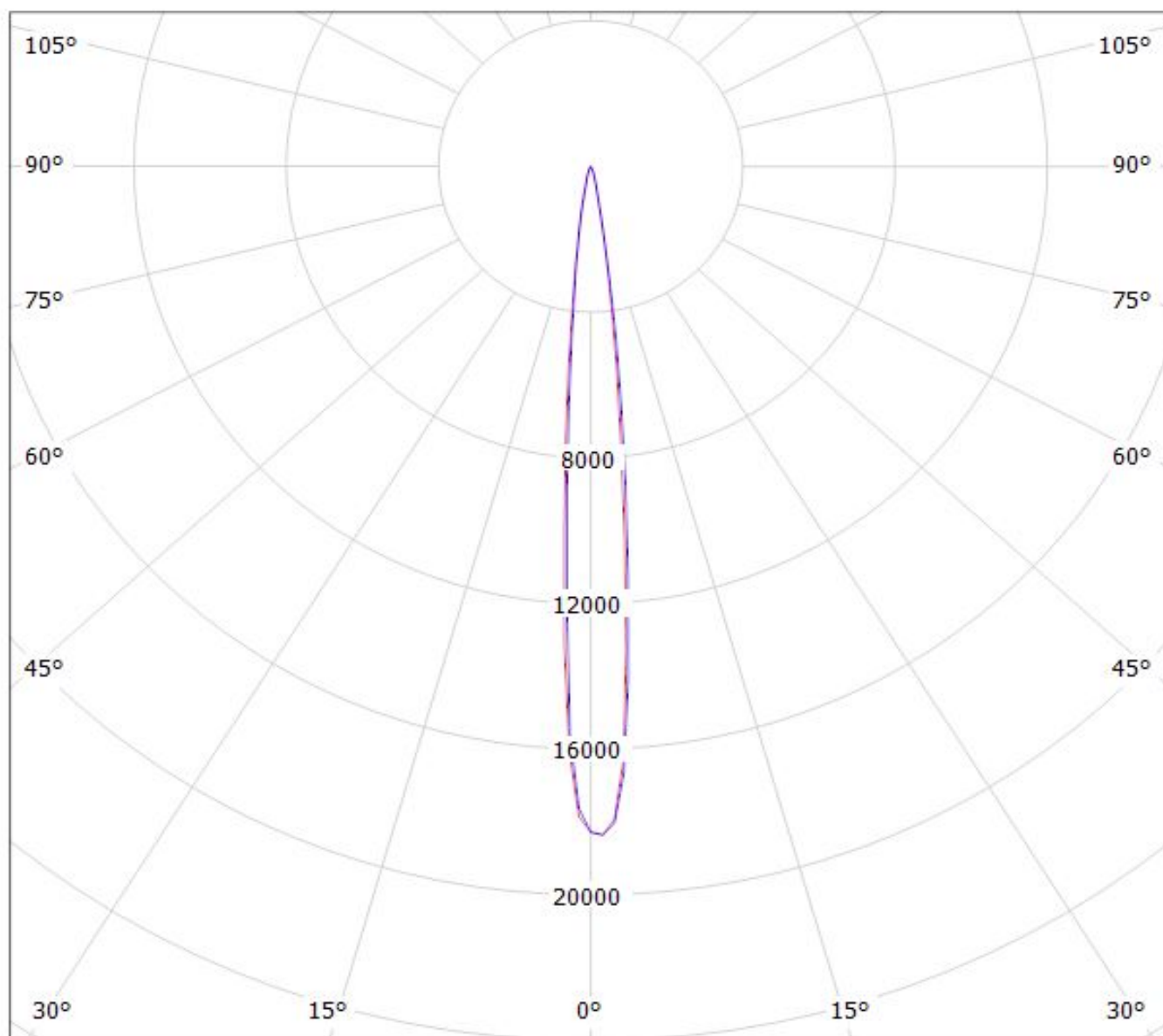
cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil CA12816_LXP2-RS2_(XP-L_HI)

Lamps: 1 x CREE_XP-L_HI_116.971lm@250mA_P=0.75W_I=0.25A



cd/klm

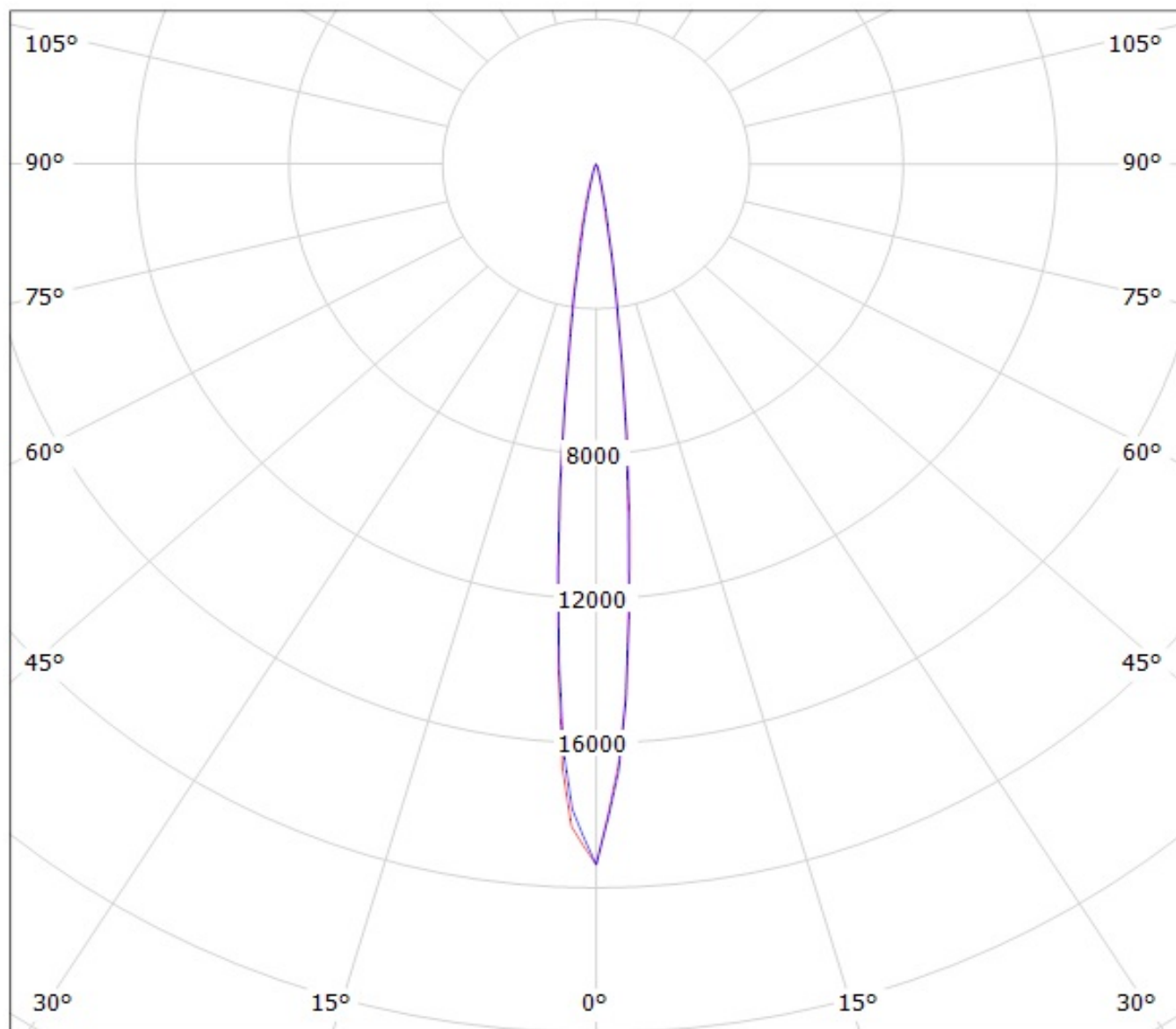
$\eta = 89\%$

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CA12816-LXP2-RS2_(XP-G2) Efficiency=90%

Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 102lm @ 250mA CCT=4900K P=0.8W I=250mA



cd/klm

— C0 - C180

— C90 - C270

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

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.