

DETAILS

Product Number	CP11634_LXP3-O-90
Family	Leila
Type	Assembly
Color	white
Diameter	21.6 mm
Height	14.7 mm
Style	round
Optic Material	PMMA
Holder Material	PC
Fastening	glue
Status	ready
ROHS Compliant	Yes
Date Updated	10/04/2014



OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
Z5	sim: 10+34	O-90	sim: 84 %	sim: 0.000	-
XP-E	9+41 deg	O-90	93 %	5.800	-
XP-E2	10+42 deg	O-90	-	6.200	-
XP-G	12+40 deg	O-90	93 %	4.600	-
XP-L HI	12+44 deg	O-90	90 %	4.000	-
XP-G2	12+40 deg	O-90	91 %	4.400	-
XT-E	13+41 deg	O-90	91 %	4.050	-

H

G

F

E

D

C

B

A

4

3

2

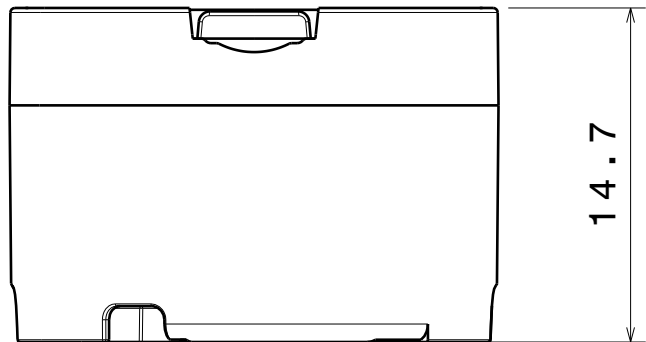
1

4

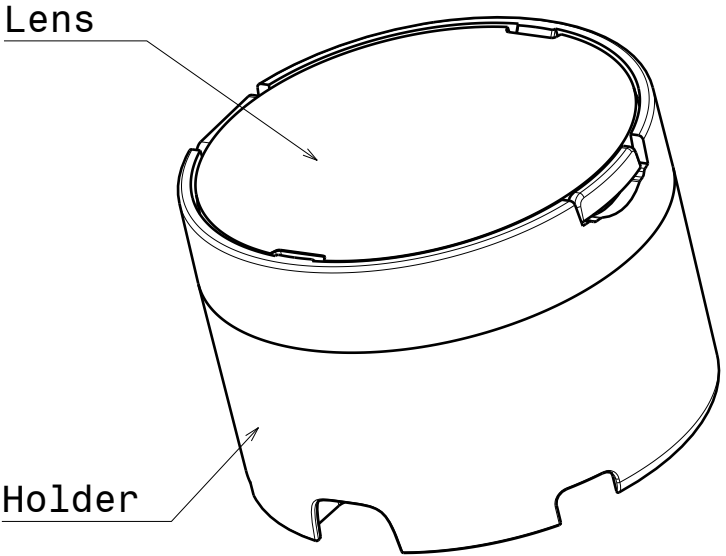
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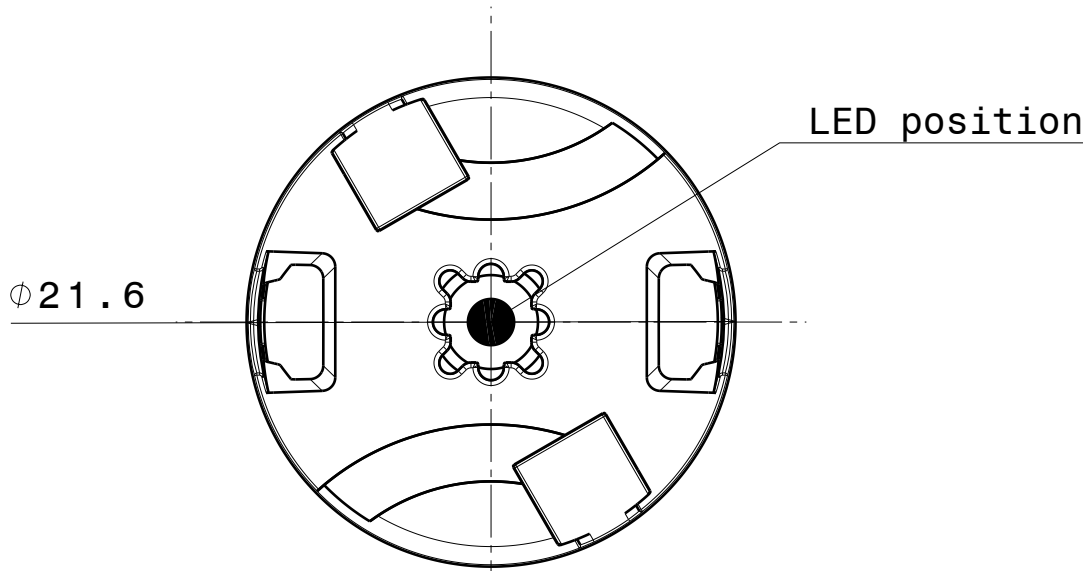
1



Front view
Scale: 3:1

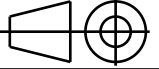


Isometric view
Scale: 3:1



Bottom view
Scale: 3:1

INDEX	PART NO	MATERIAL	COLOUR
1	Lens	PMMA 8N	
2	Holder	PC Makrolon 2407	white

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 THIRD ANGLE PROJECTION:  This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.		LEDiL Ledil Oy Salorankatu 10 FIN 24240 SALO Finland DRAWING TITLE Datasheet_LXP3-Series	
		SIZE A3	PART NUMBER Datasheet
SCALE 3:1		WEIGHT 7,49 g	SHEET 1/1

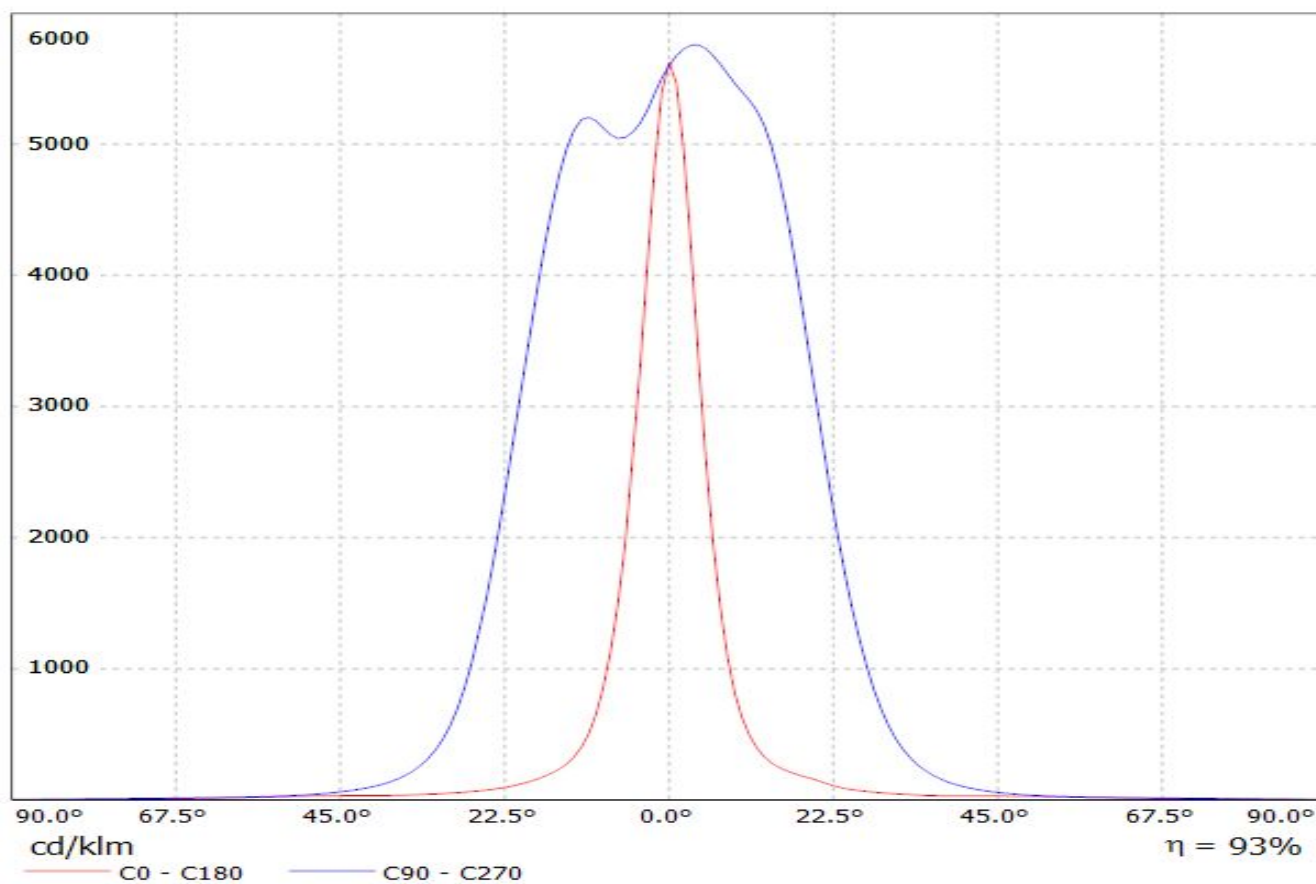
H

G

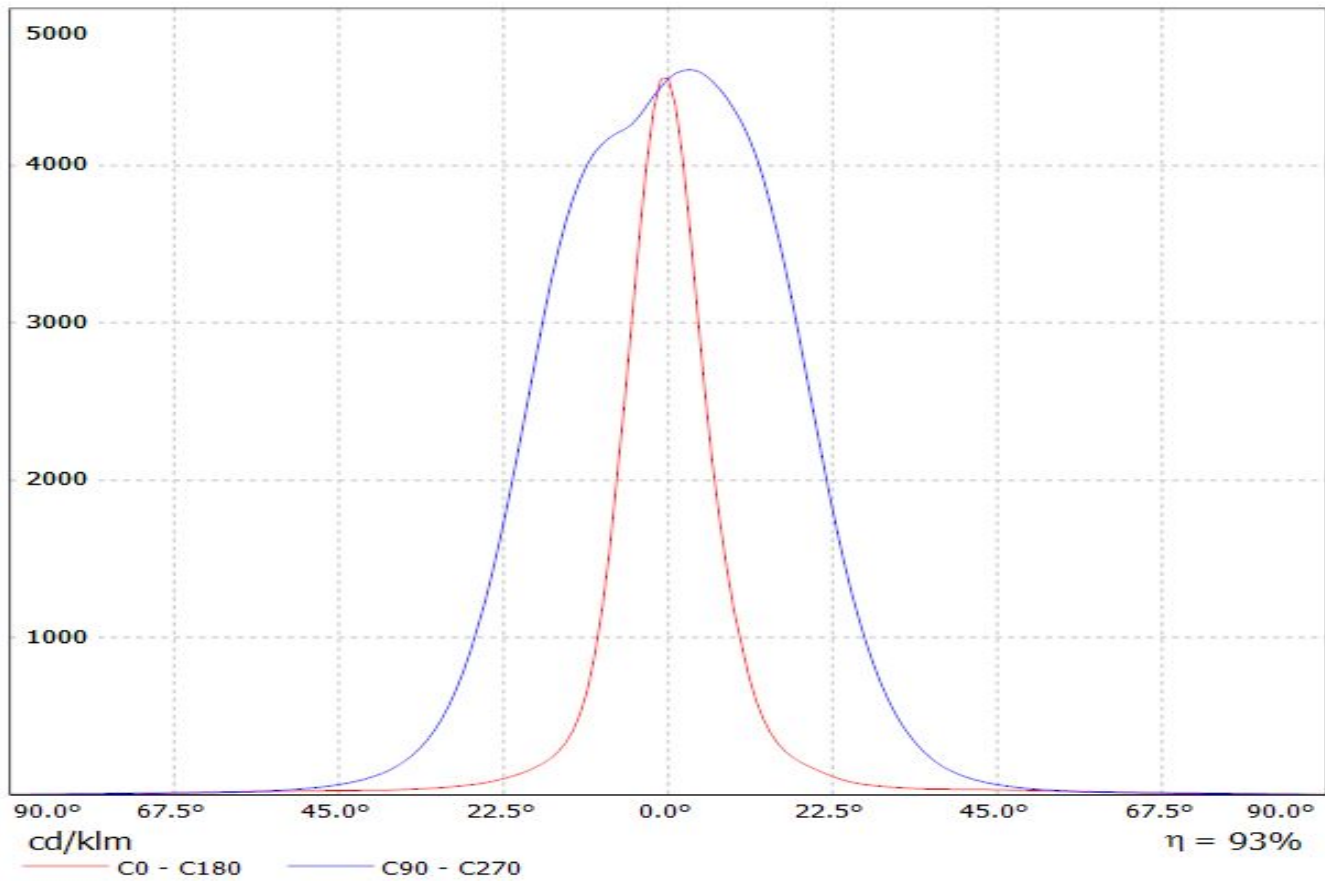
B

A

Luminaire: LEDiL Oy CP11634_LXP3-O-90_(XP-E) Eff. 93%
Lamps: 1 x Cree XP-E (50,4lm@250mA) CCT=warm white P=0.8W I=250mA



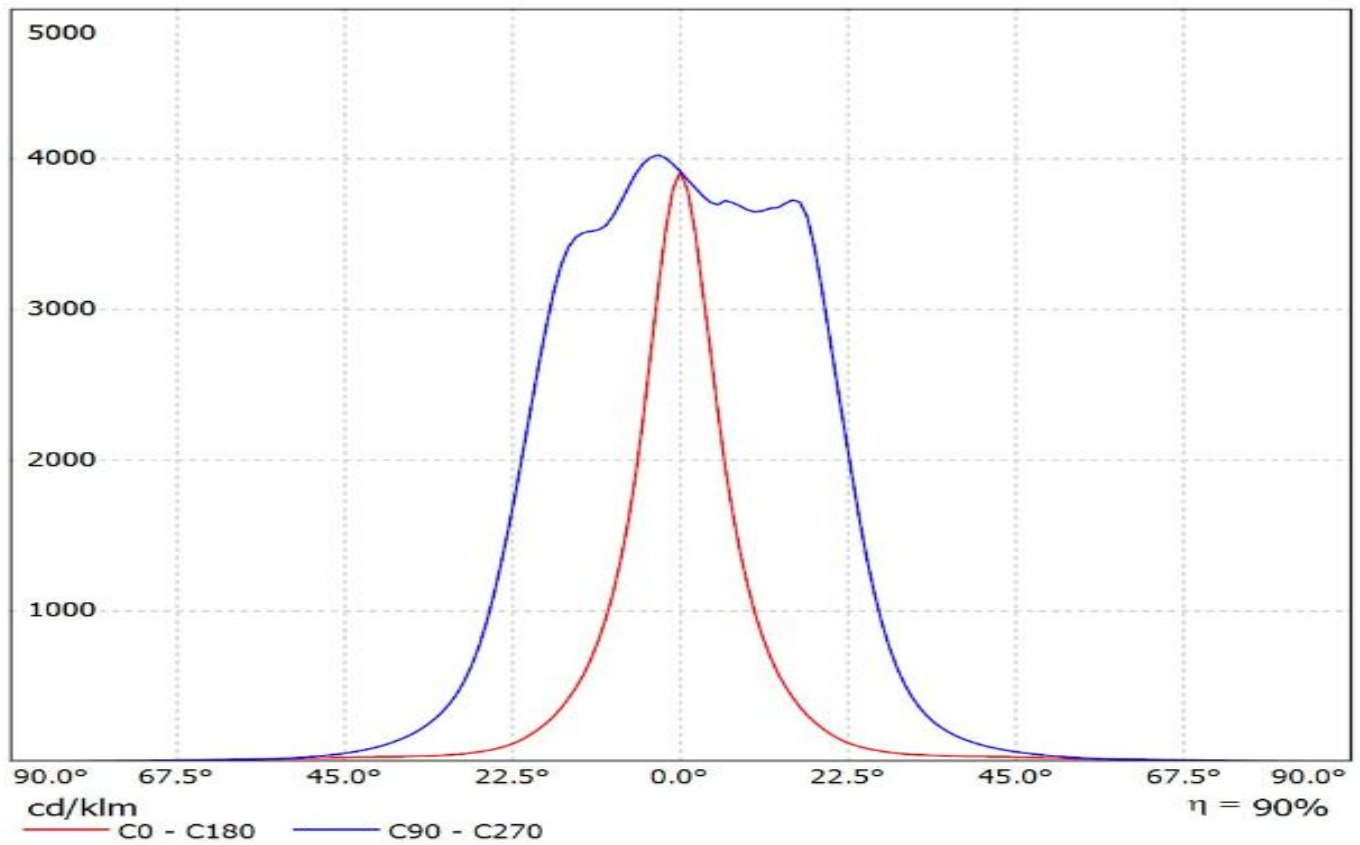
Luminaire: LEDiL Oy CP11634_LXP3-O-90_(XP-G) Eff. 93%
Lamps: 1 x Cree XP-G (66lm@250mA) CCT=warm white P=0.8W I=250mA



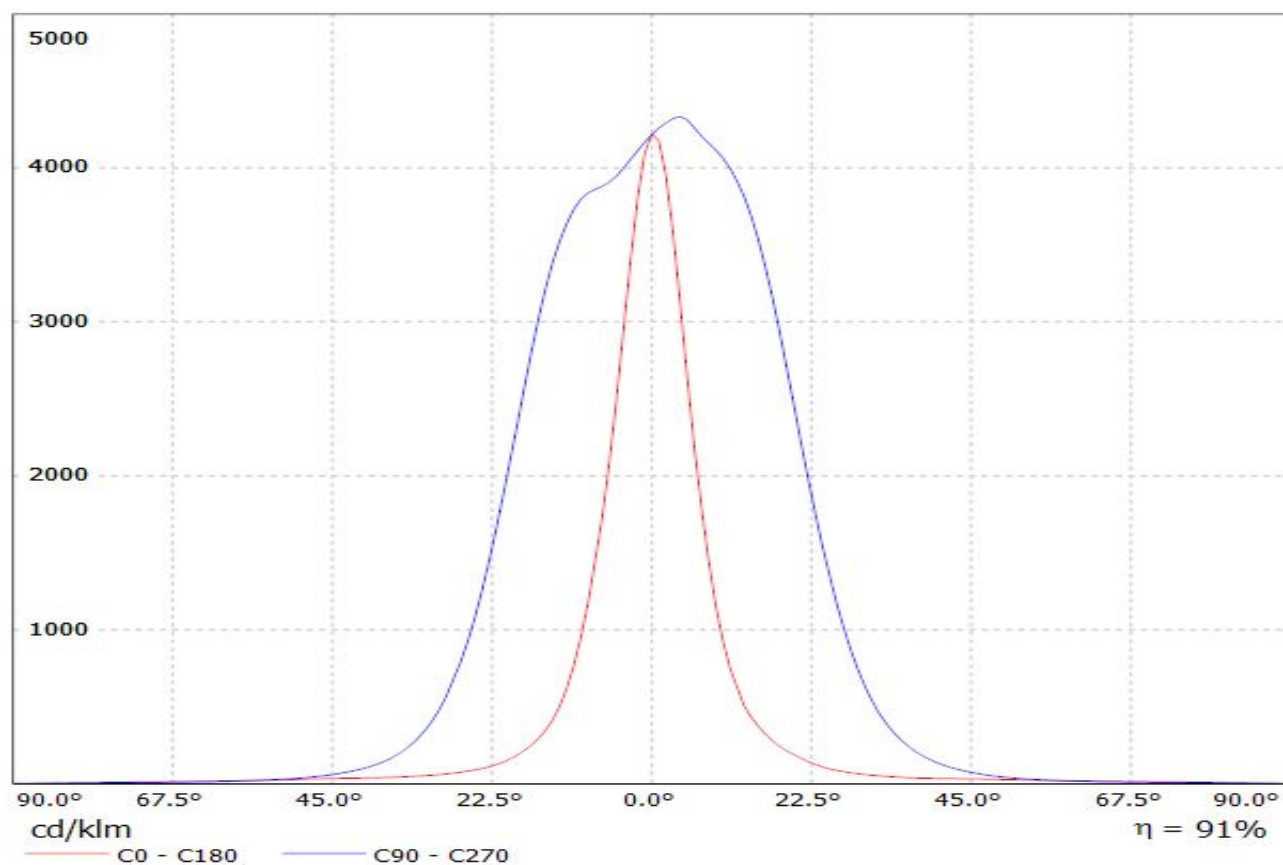
Ledil CP11634_LXP3-O-90_(XP-L_HI) / LDC (Linear)

Luminaire: Ledil CP11634_LXP3-O-90_(XP-L_HI)

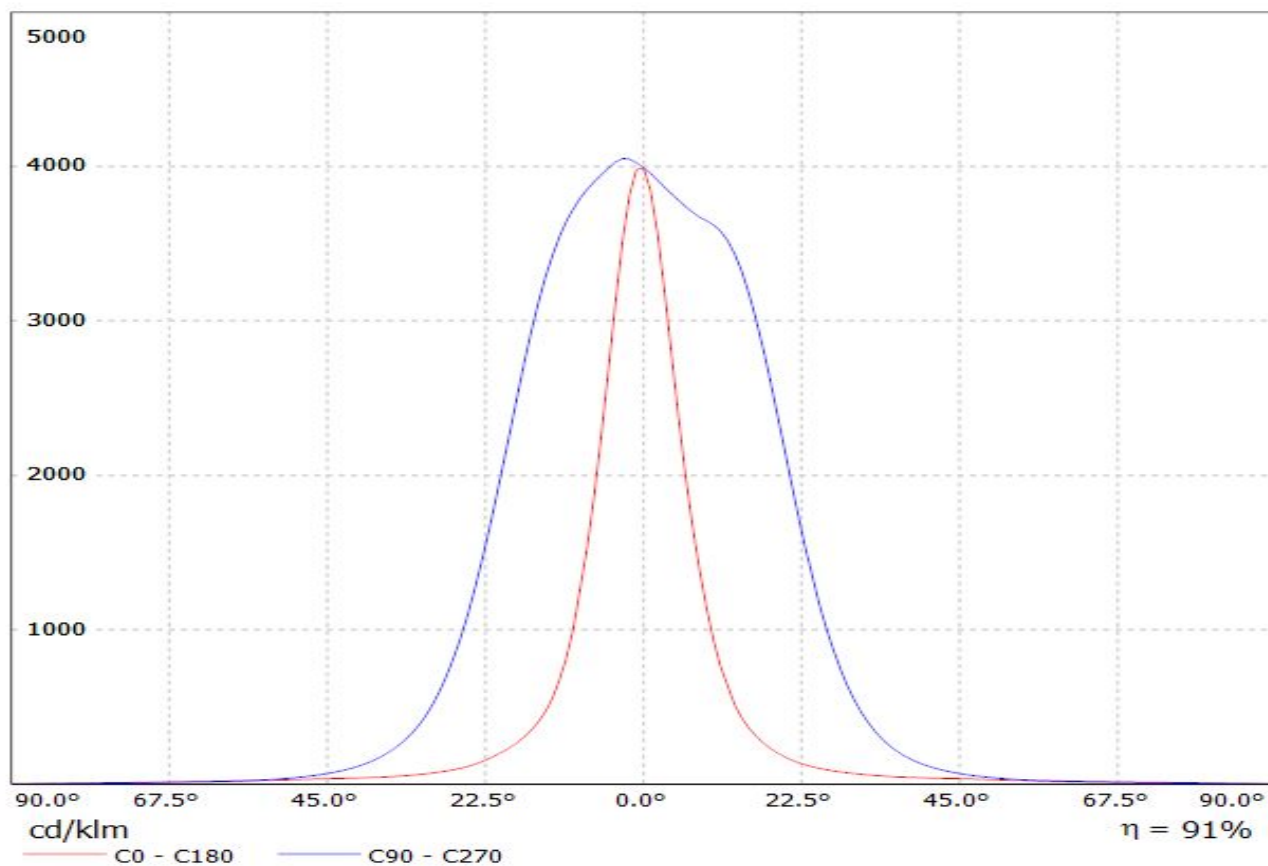
Lamps: 1 x CREE_XP-L_HI_116.97lm@250mA_P=0.75W_I=0.25A



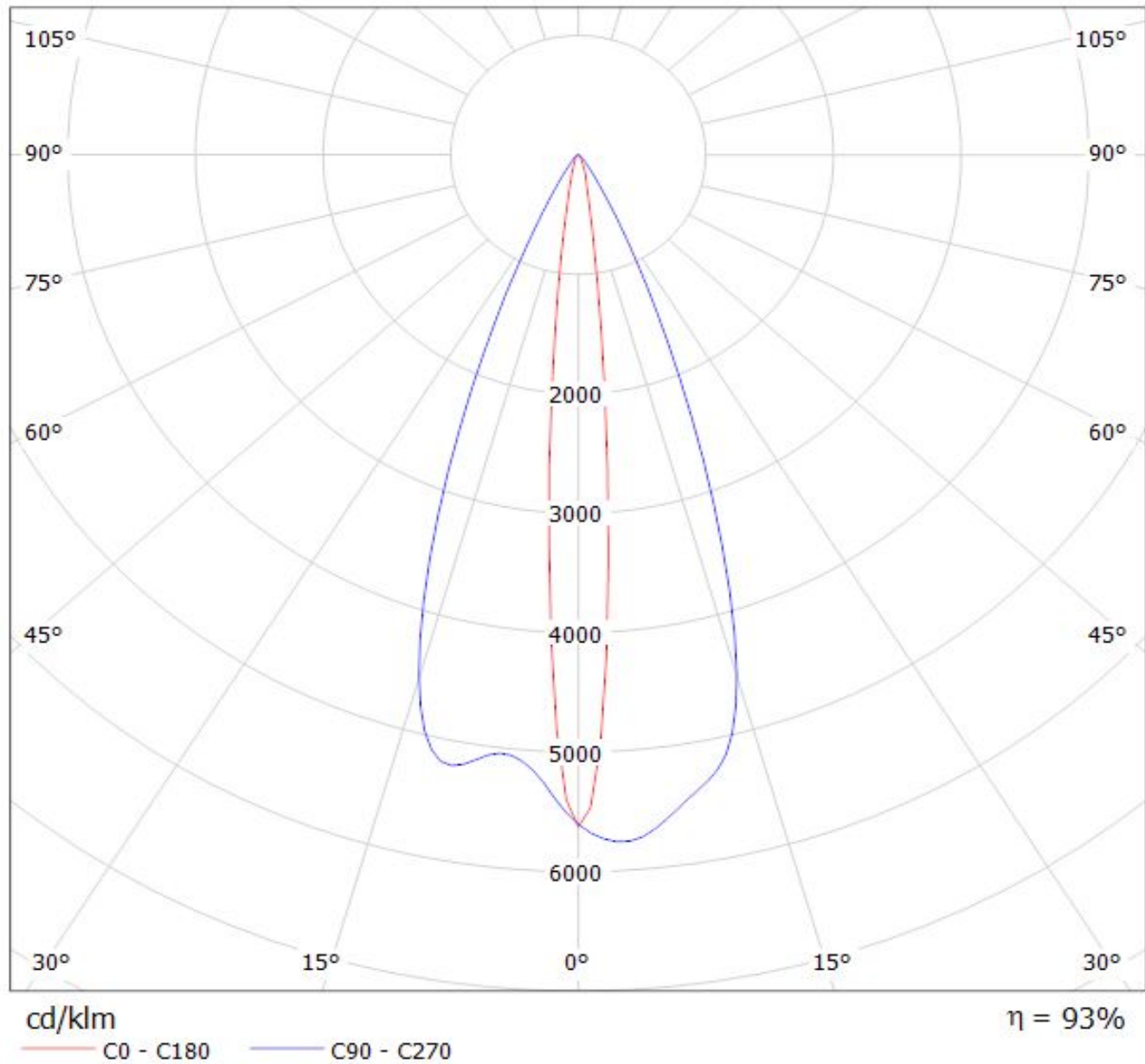
Luminaire: LEDiL Oy CA11484_LXP2-O-90_(XP-G2) Eff. 91%
Lamps: 1 x CREE XP-G2 (XPGBWT-L1-0000-00G51) 103.363lm@250mA CCT=5000K P=0.8W I=250mA



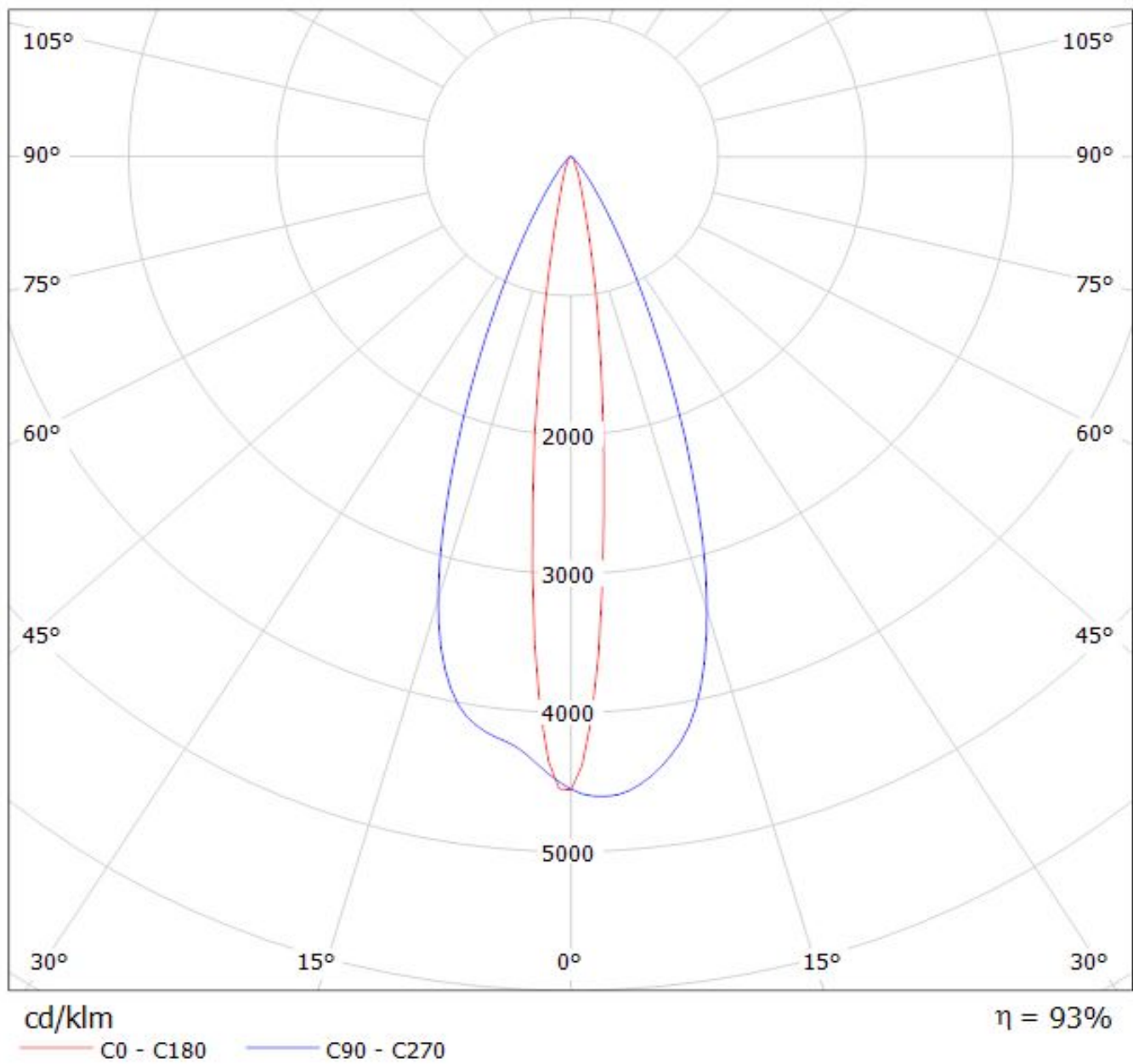
Luminaire: LEDiL Oy CP11634_LXP3-O-90_(XT-E) Eff. 91%
Lamps: 1 x XT-E (106,1lm@250mA) CCT=Cool white P=0.8W I=250mA



Luminaire: LEDiL Oy CP11634_LXP3-O-90_(XP-E) Eff. 93%
Lamps: 1 x Cree XP-E (50,4lm@250mA) CCT=warm white P=0.8W I=250mA



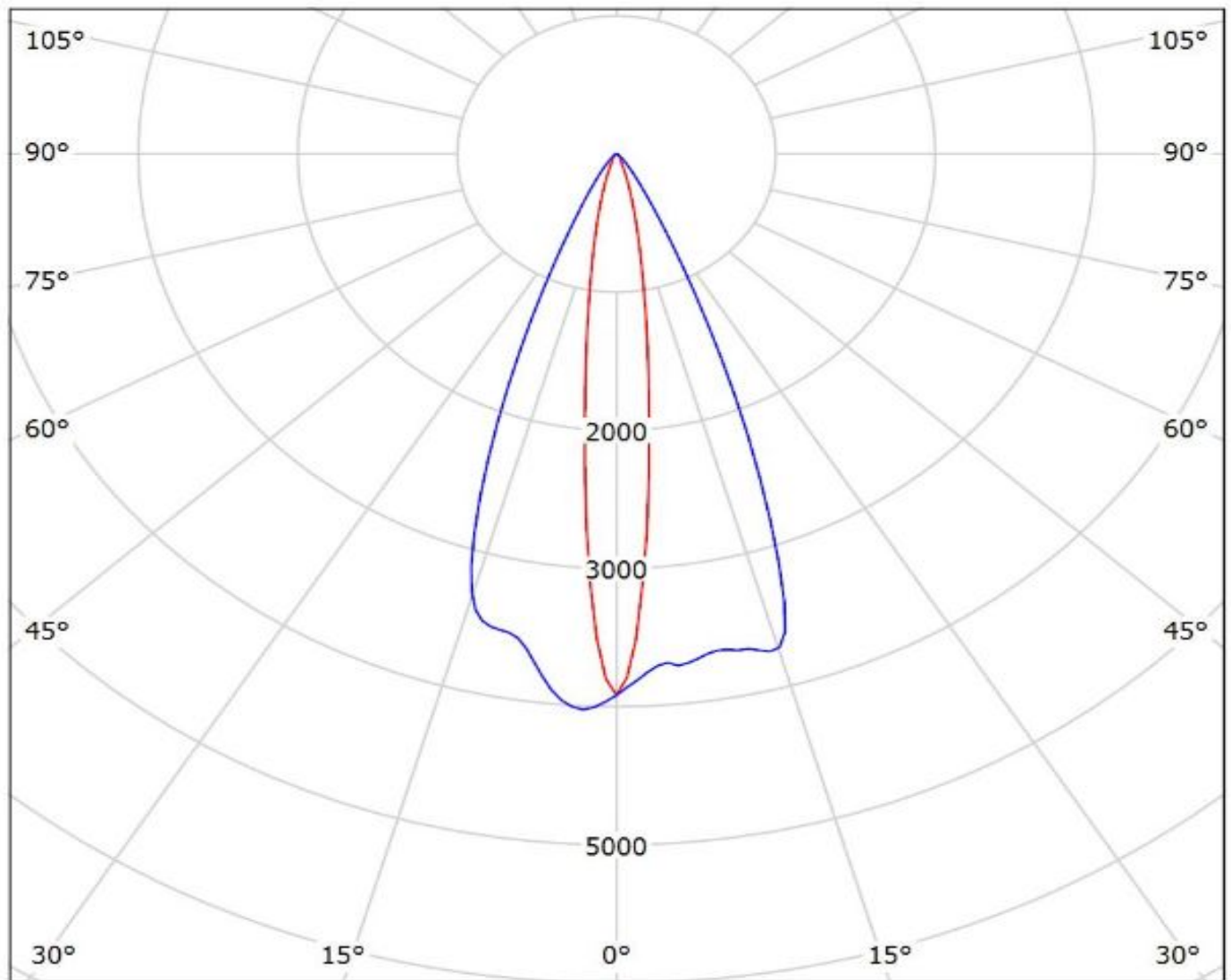
Luminaire: LEDiL Oy CP11634_LXP3-O-90 (XP-G) Eff. 93%
Lamps: 1 x Cree XP-G (66lm@250mA) CCT=warm white P=0.8W I=250mA



Ledil CP11634_LXP3-O-90_(XP-L_HI) / LDC (Polar)

Luminaire: Ledil CP11634_LXP3-O-90_(XP-L_HI)

Lamps: 1 x CREE_XP-L_HI_116.97lm@250mA_P=0.75W_I=0.25A



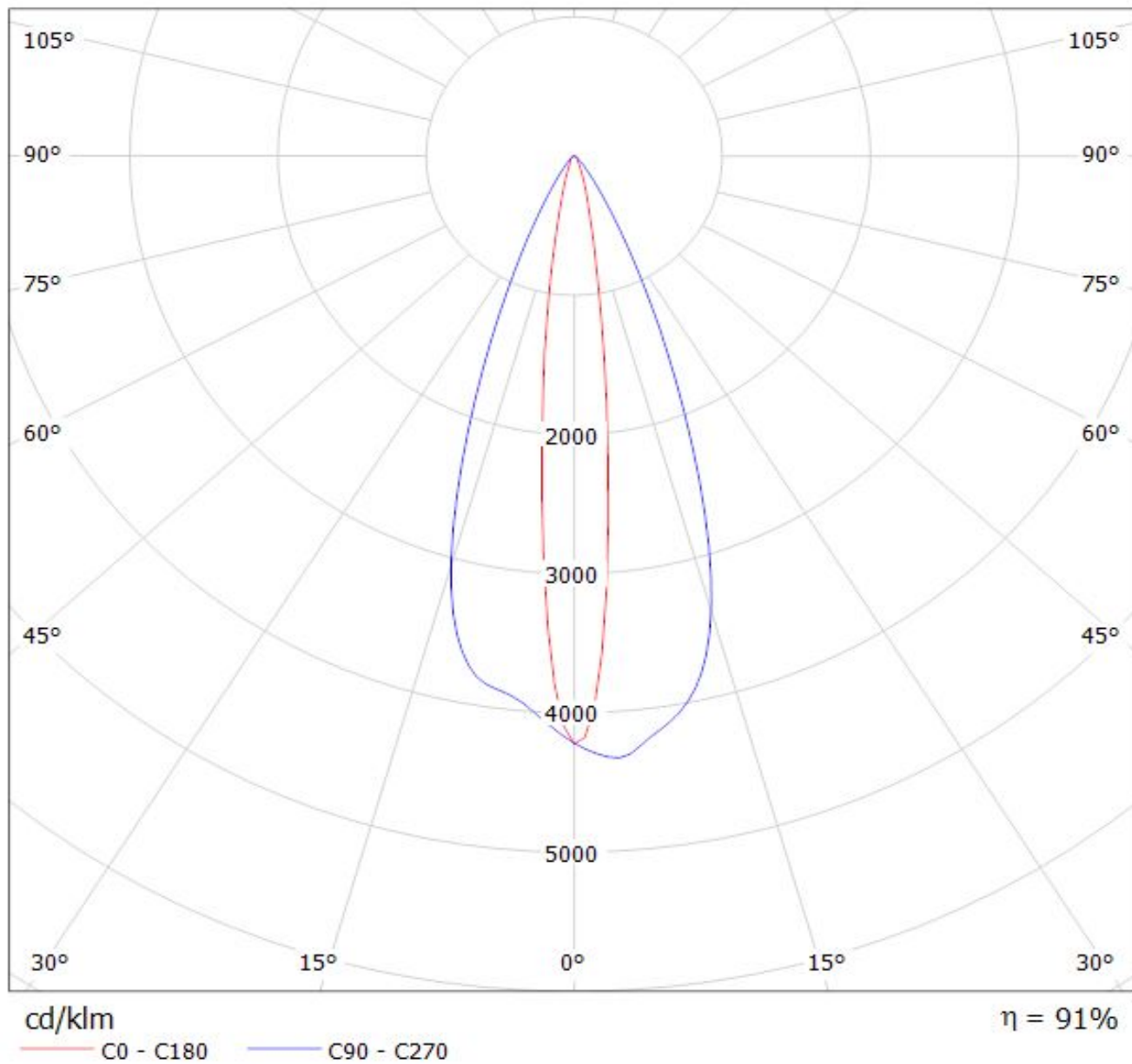
cd/klm

— C0 - C180

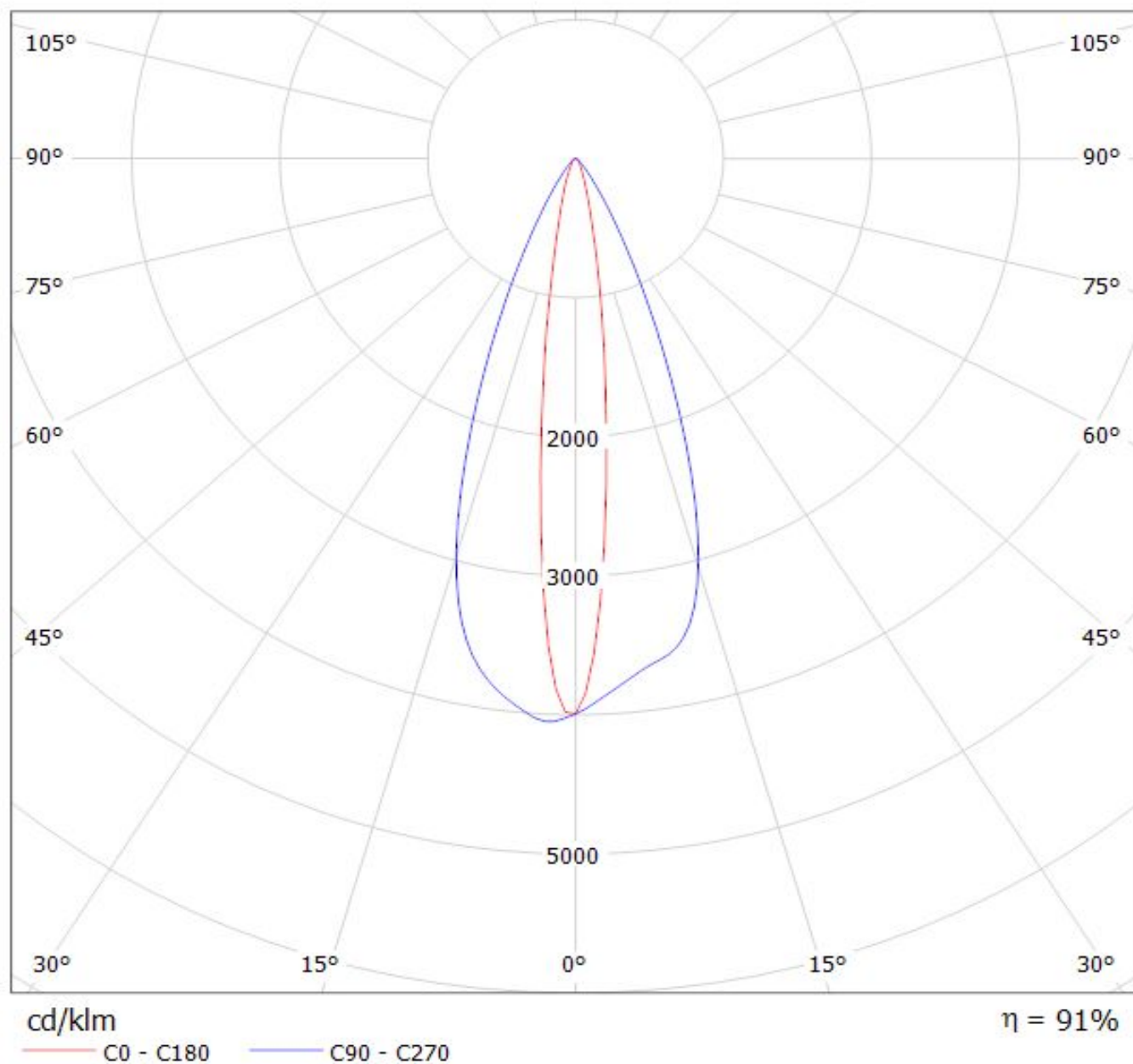
— C90 - C270

$\eta = 90\%$

Luminaire: LEDiL Oy CA11484_LXP2-O-90_(XP-G2) Eff. 91%
Lamps: 1 x CREE XP-G2 (XPGBWT-L1-0000-00G51) 103.363lm@250mA CCT=5000K P=0.8W I=250mA



Luminaire: LEDiL Oy CP11634_LXP3-O-90_(XT-E) Eff. 91%
Lamps: 1 x XT-E (106,1lm@250mA) CCT=Cool white P=0.8W I=250mA



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 PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.
http://www.ledil.com/datasheets/DataSheet_GLUES.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 glue.

NOTE 2: All surfaces where glue 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.