

DETAILS

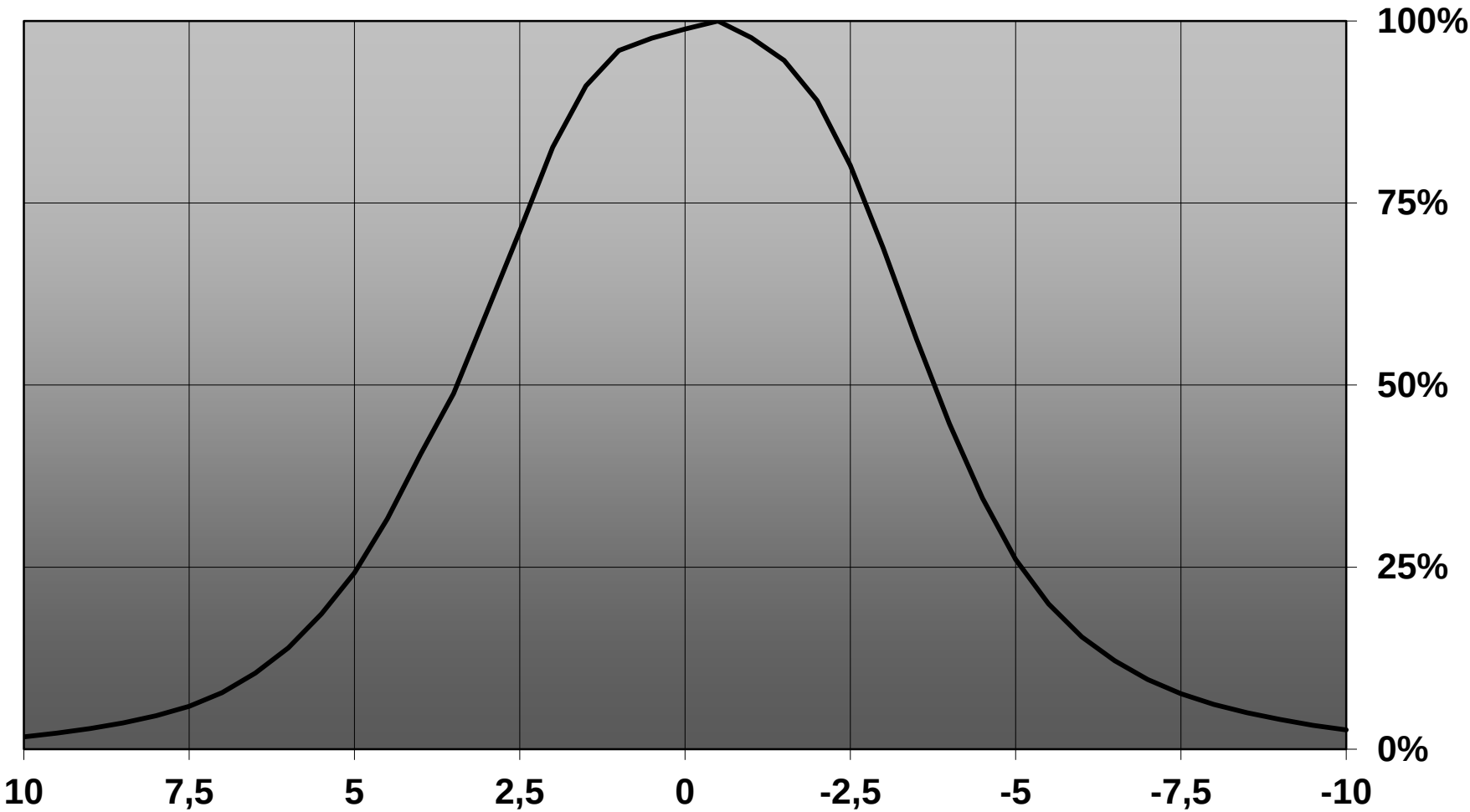
Product Number	CA11481_LXP2-RS
Family	Leila
Type	Assembly
Color	black
Diameter	21,6 mm
Height	14,7 mm
Style	round
Optic Material	PMMA
Holder Material	PC
Fastening	tape
Status	ready
ROHS Compliant	Yes
Date Updated	10/04/2014

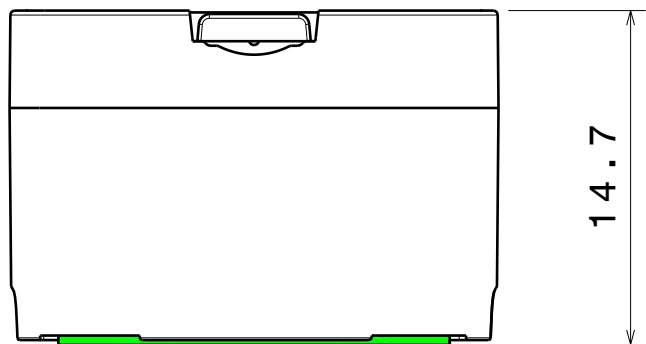


OPTICAL PROPERTIES

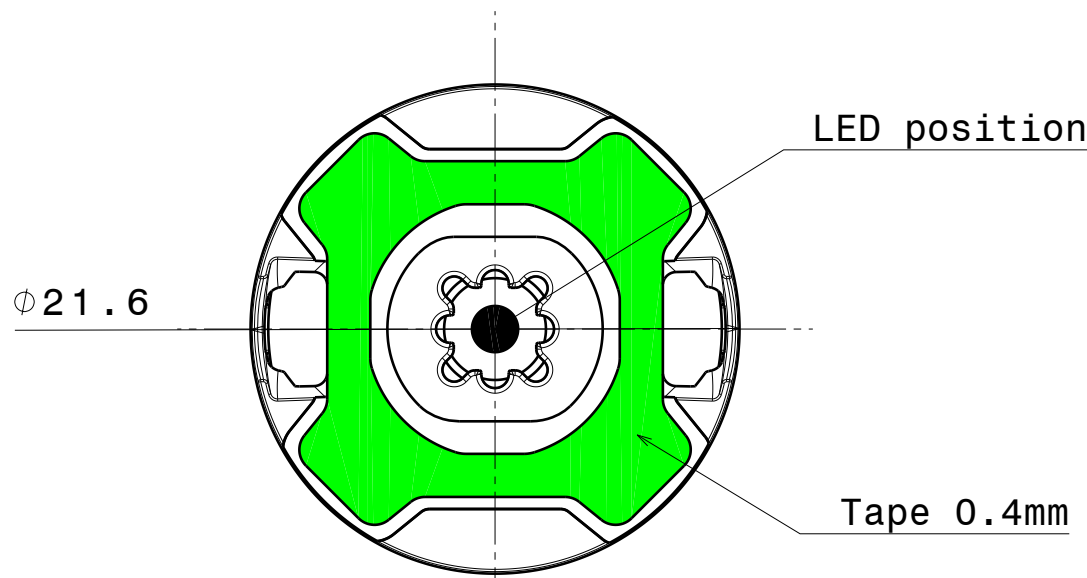
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
Z5	sim: 10	Real spot	94 %	-	-
XP-E	7 deg	Real spot	94 %	sim: 0.000	-
XP-E2	8 deg	Real spot	90 %	44.000	-
NCSxx19A	8 deg	Real spot	86 %	26.400	-
XP-G	10 deg	Real spot	94 %	sim: 0.000	-
XP-G2	10 deg	Real spot	94 %	21.000	-
XP-L HI	10 deg	Real spot	89 %	20.000	-
H35C1 (LEMWA33)	11 deg	Real spot	88 %	18.200	-

Relative intensity of CA11481_LXP2-RS-(XPE2)

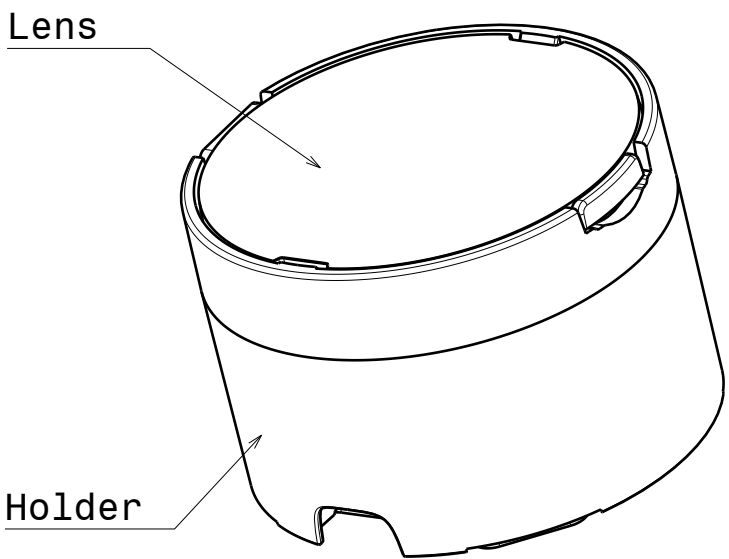




Front view
Scale: 3:1



Bottom view
Scale: 3:1



Isometric 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

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_LXP2-Series

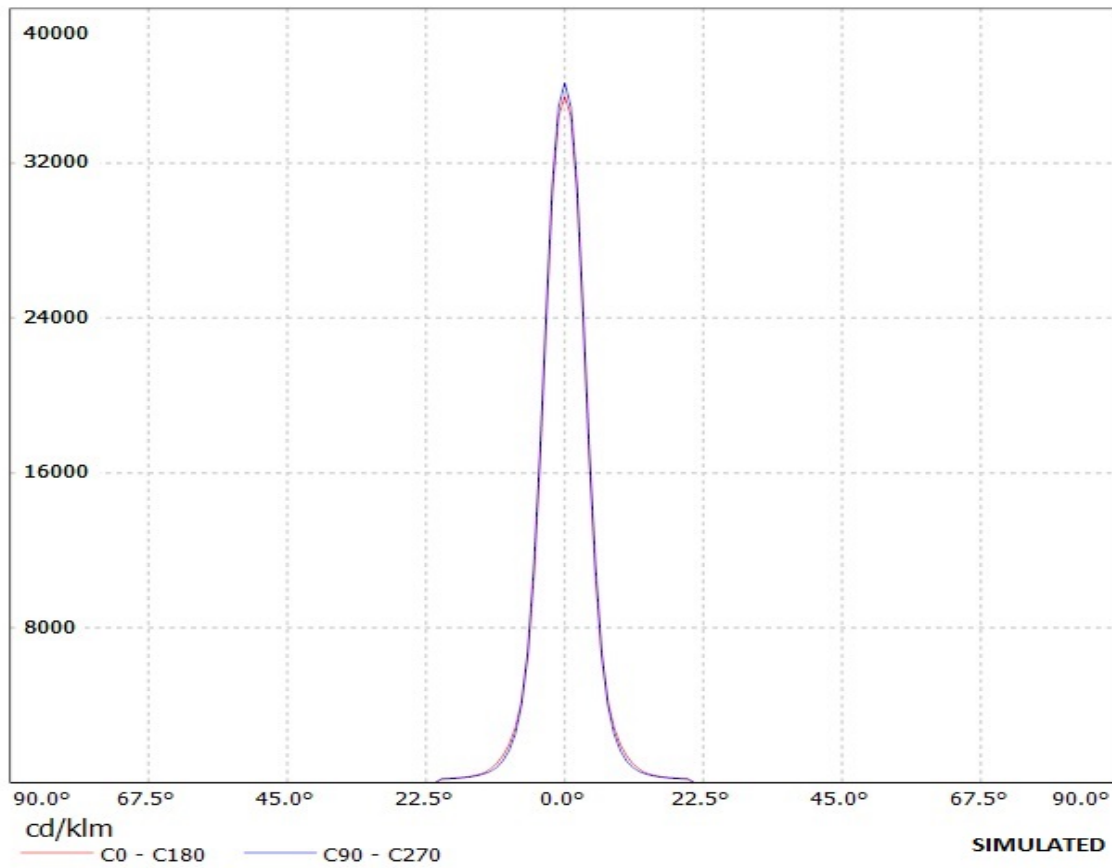
SIZE	PART NUMBER
A3	-

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

Ledil Oy CA11481_LXP2-RS CA11481_LXP2-RS / LDC (Linear)

Luminaire: Ledil Oy CA11481_LXP2-RS CA11481_LXP2-RS

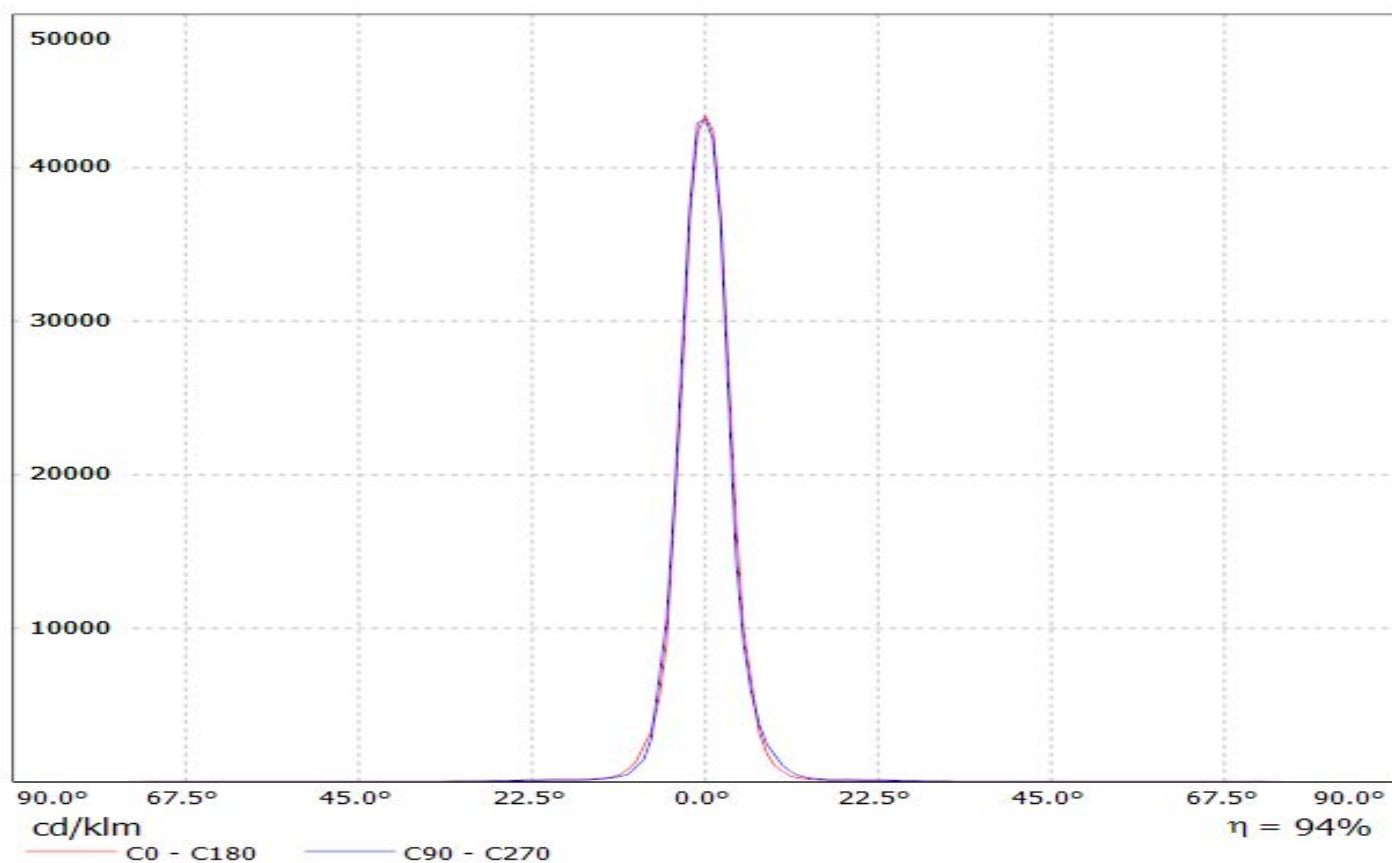
Lamps: 1 x Cree XP-E (White)



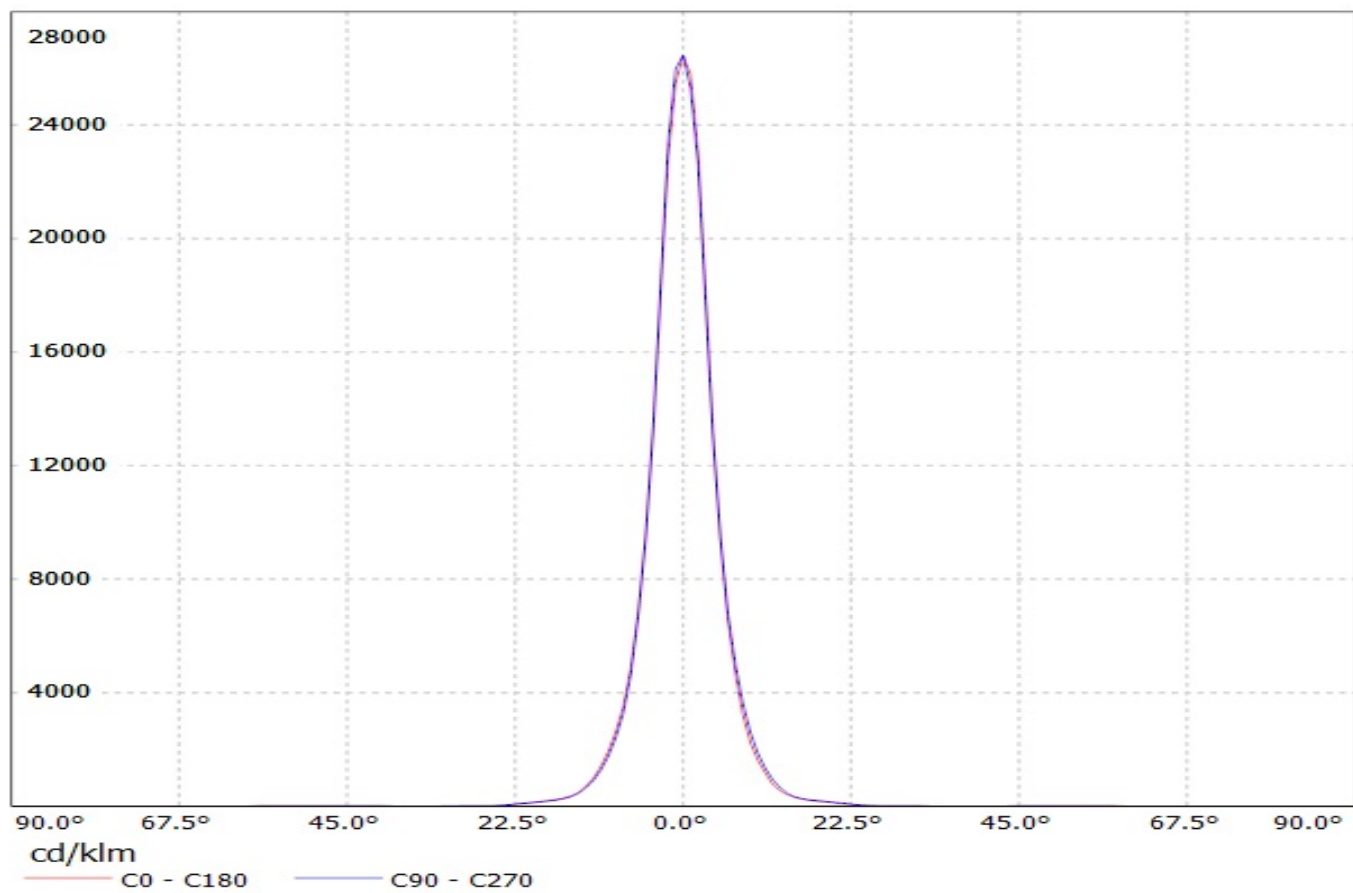
LEDiL Oy CA11481 LXP2-RS_(XP-E2) Eff.90.0% / LDC (Linear)

Luminaire: LEDiL Oy CA11481 LXP2-RS_(XP-E2) Eff.90.0%

Lamps: 1 x CREE_XP-E2_(XPEBWT-L1-7B4-Q4-0-01)_85.49lm@250mA_P=0.745802W_I=249.9mA

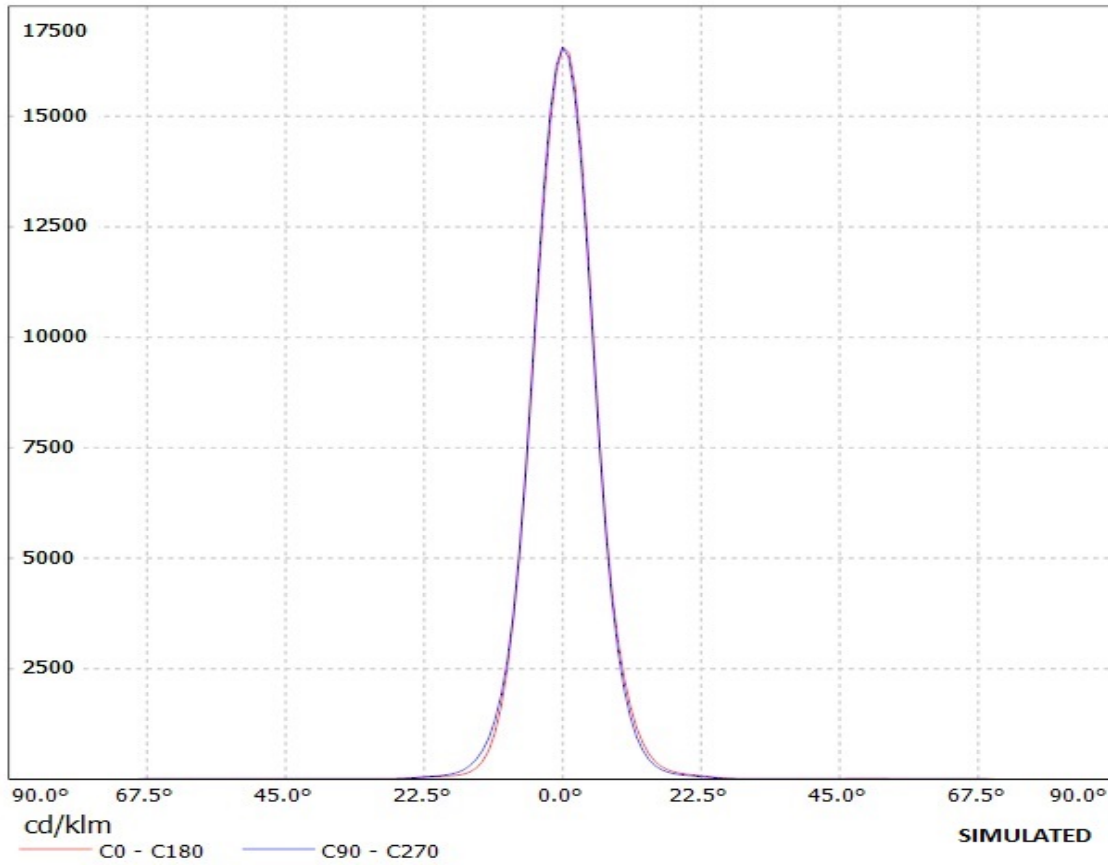


Luminaire: Ledil Oy CA11481_LXP2-RS_(NCSxx19A) Efficiency=86%
Lamps: 1 x Nichia NCSxx19A 69lm @ 250mA CCT=3600K P=0.8W I=250mA

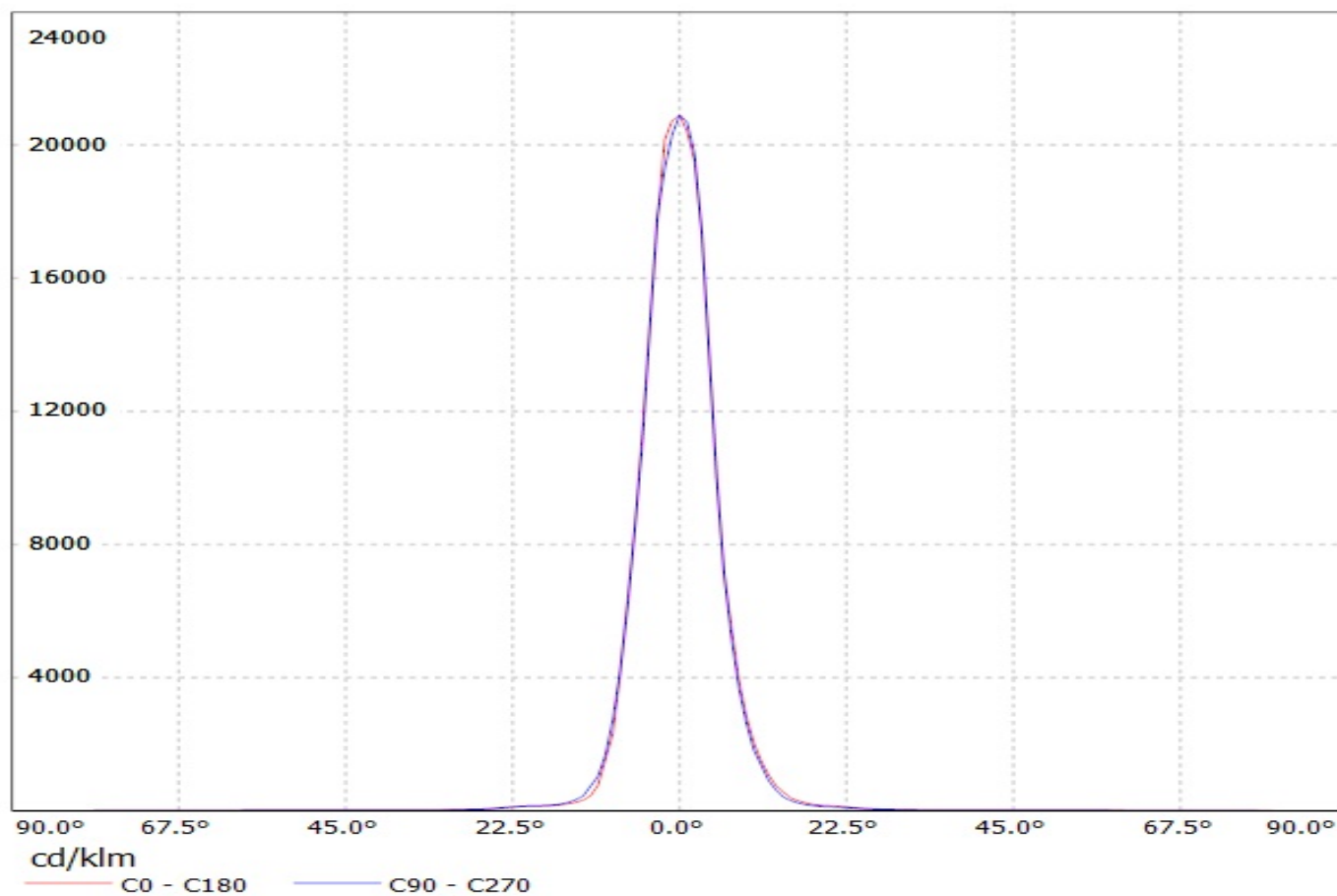


Ledil Oy CA11481_LXP2-G-RS LOR=94% / LDC (Linear)

Luminaire: Ledil Oy CA11481_LXP2-G-RS LOR=94%
Lamps: 1 x Cree XP-G 89lm 250mA



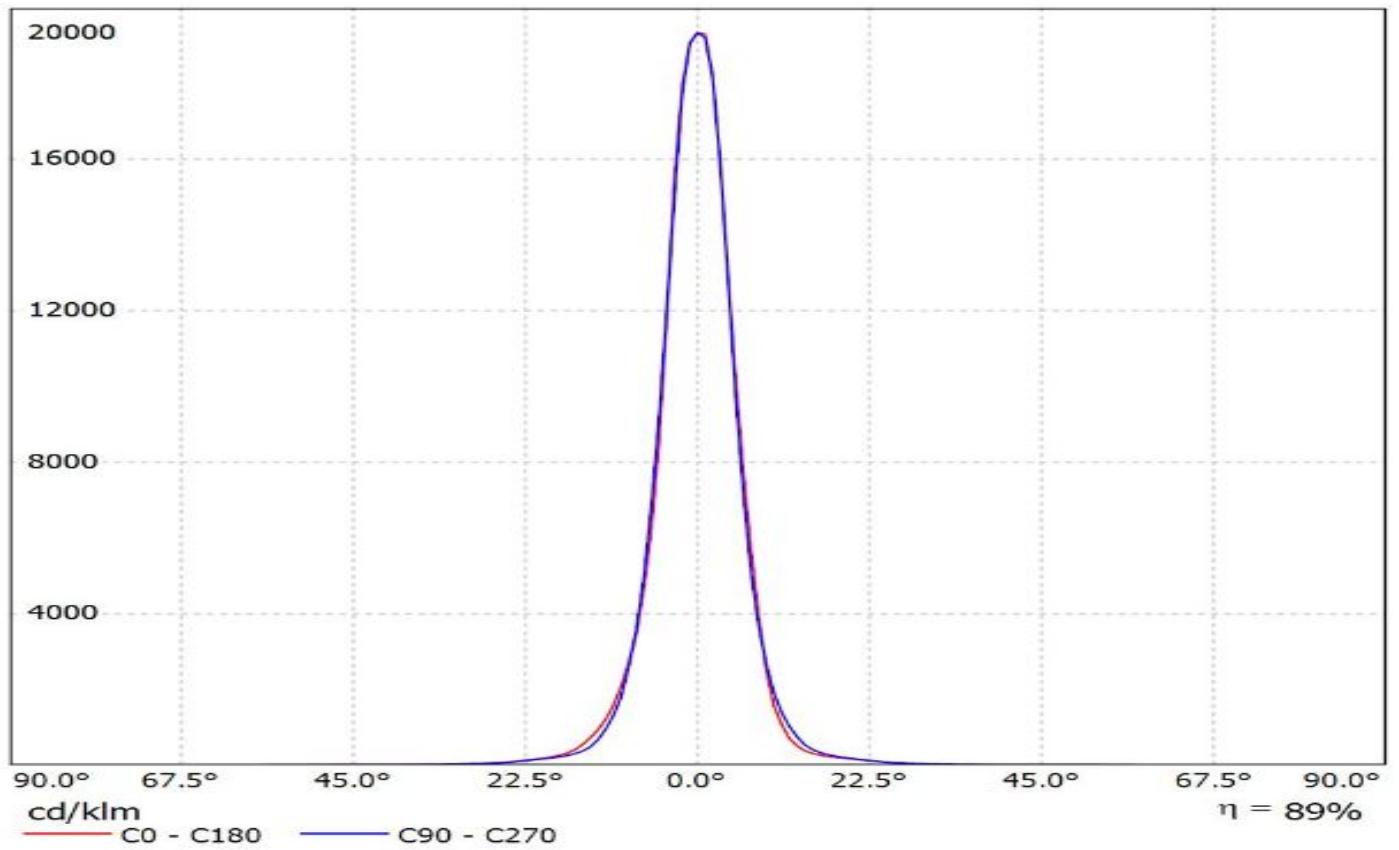
Valaisin: LEDIL OY CA11481_LXP2-RS_(XP-G2) Efficiency=94%
Lamput: 1 x Cree XP-G2 (109.1lm @ 250mA)



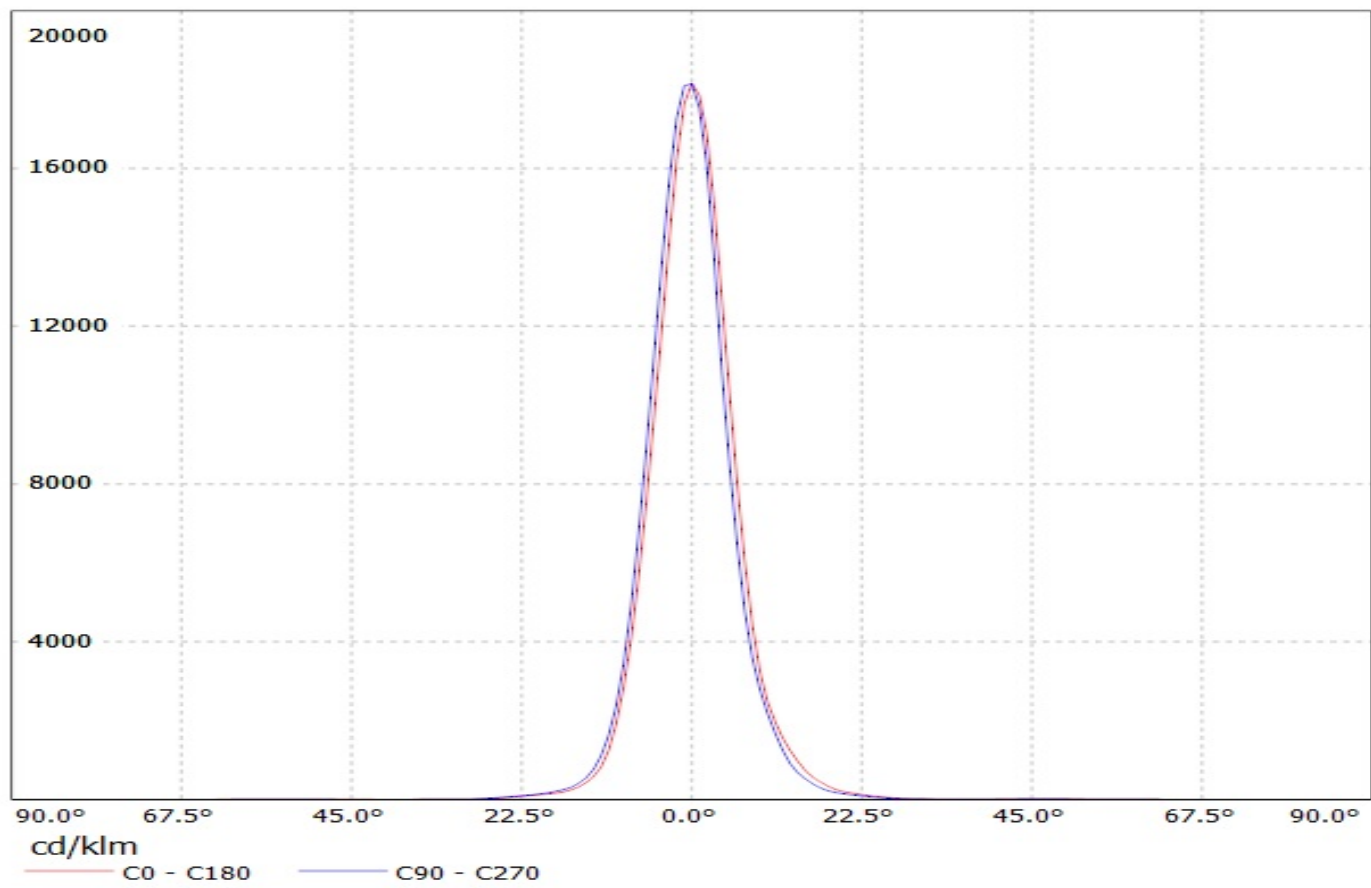
Ledil CA11481_LXP2-RS_(XP-L_HI) / LDC (Linear)

Luminaire: Ledil CA11481_LXP2-RS_(XP-L_HI)

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



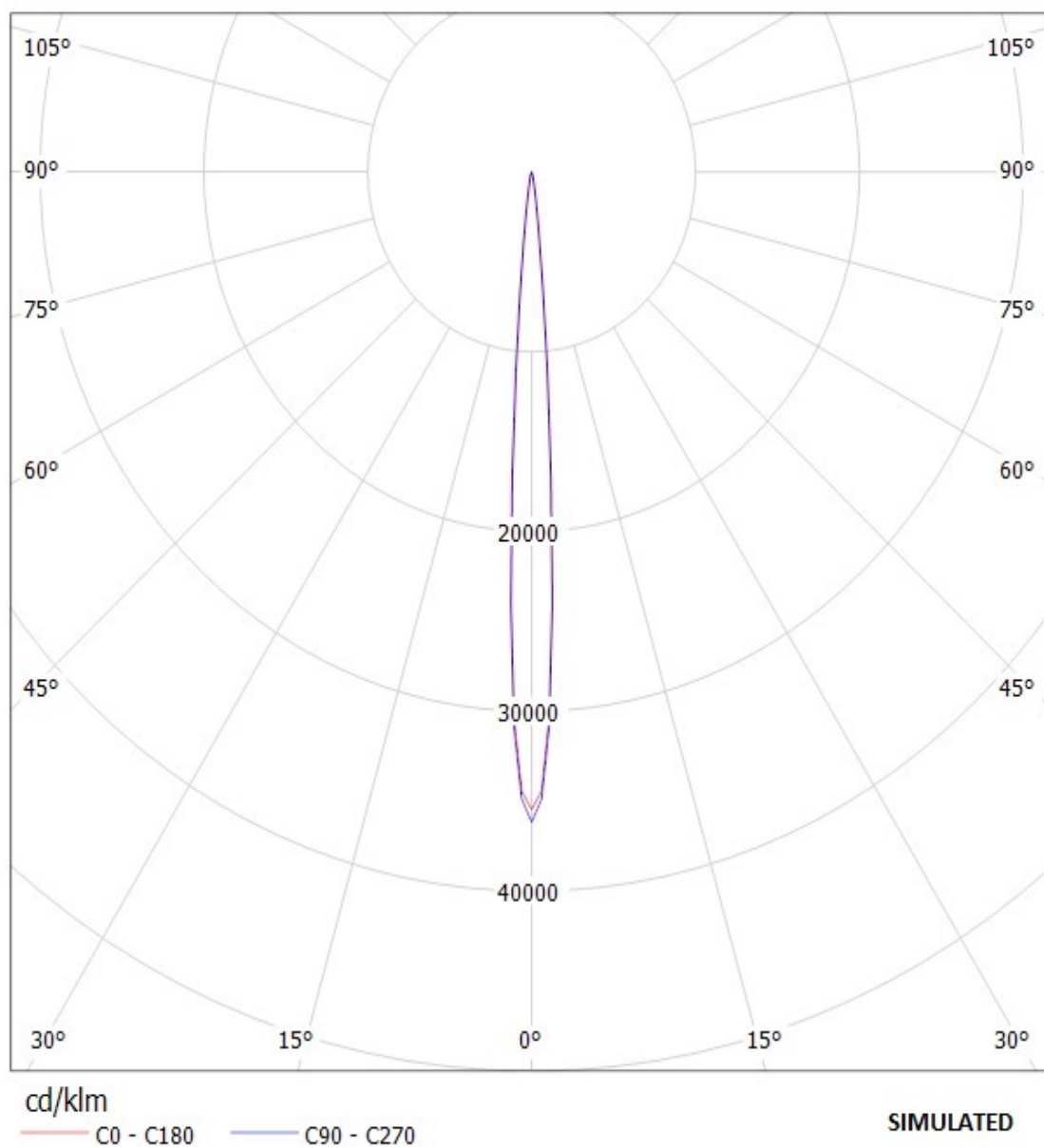
Luminaire: Ledil Oy CA11481_LXP2-RS_(3535_Ceramic_gen2) Efficiency=88%
Lamps: 1 x LG 3535 Ceramic gen2 (PKG5700K) 116lm @ 250mA CCT=6200K P=0.7W I=250mA



Ledil Oy CA11481_LXP2-RS CA11481_LXP2-RS / LDC (Polar)

Luminaire: Ledil Oy CA11481_LXP2-RS CA11481_LXP2-RS

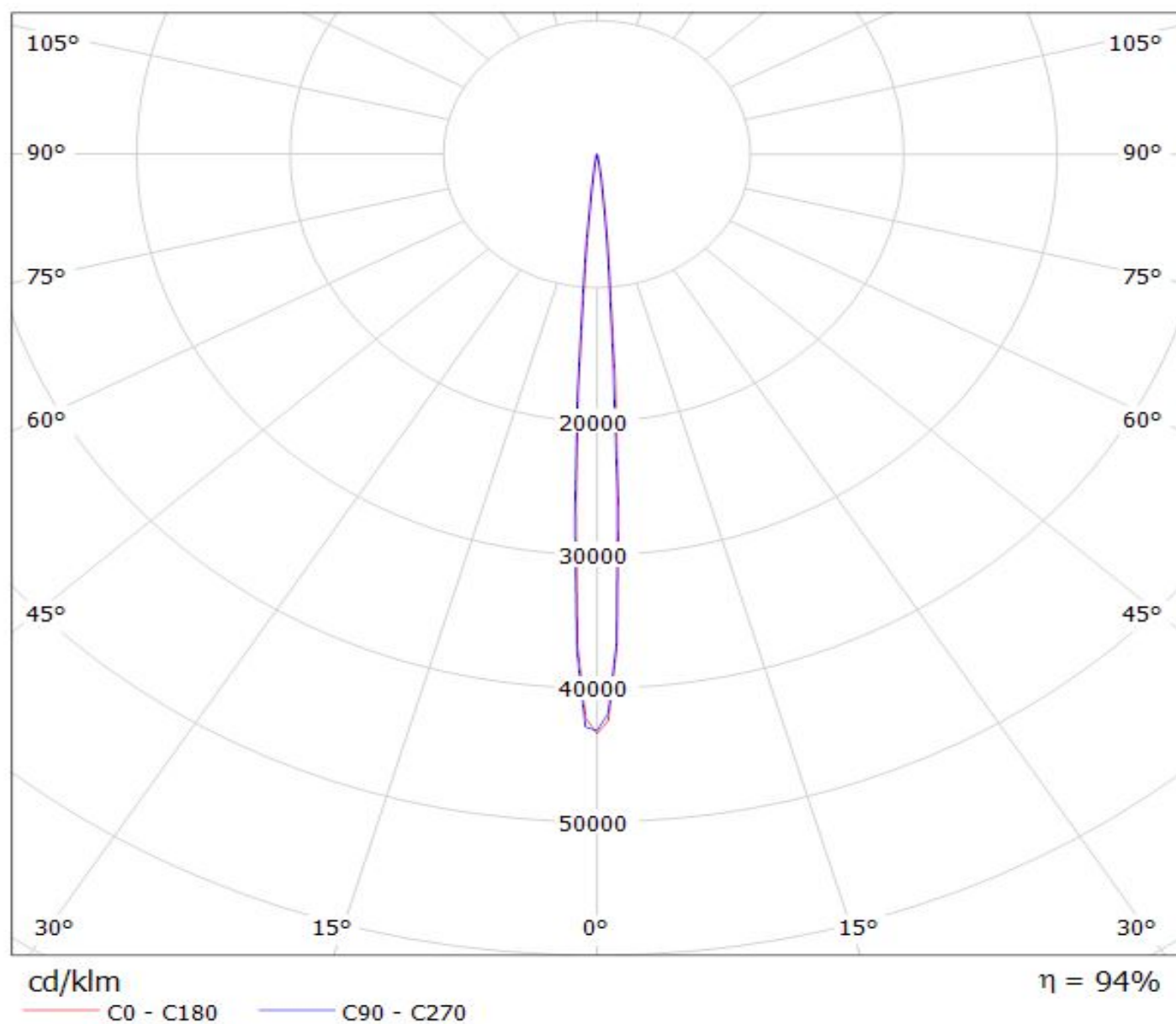
Lamps: 1 x Cree XP-E (White)



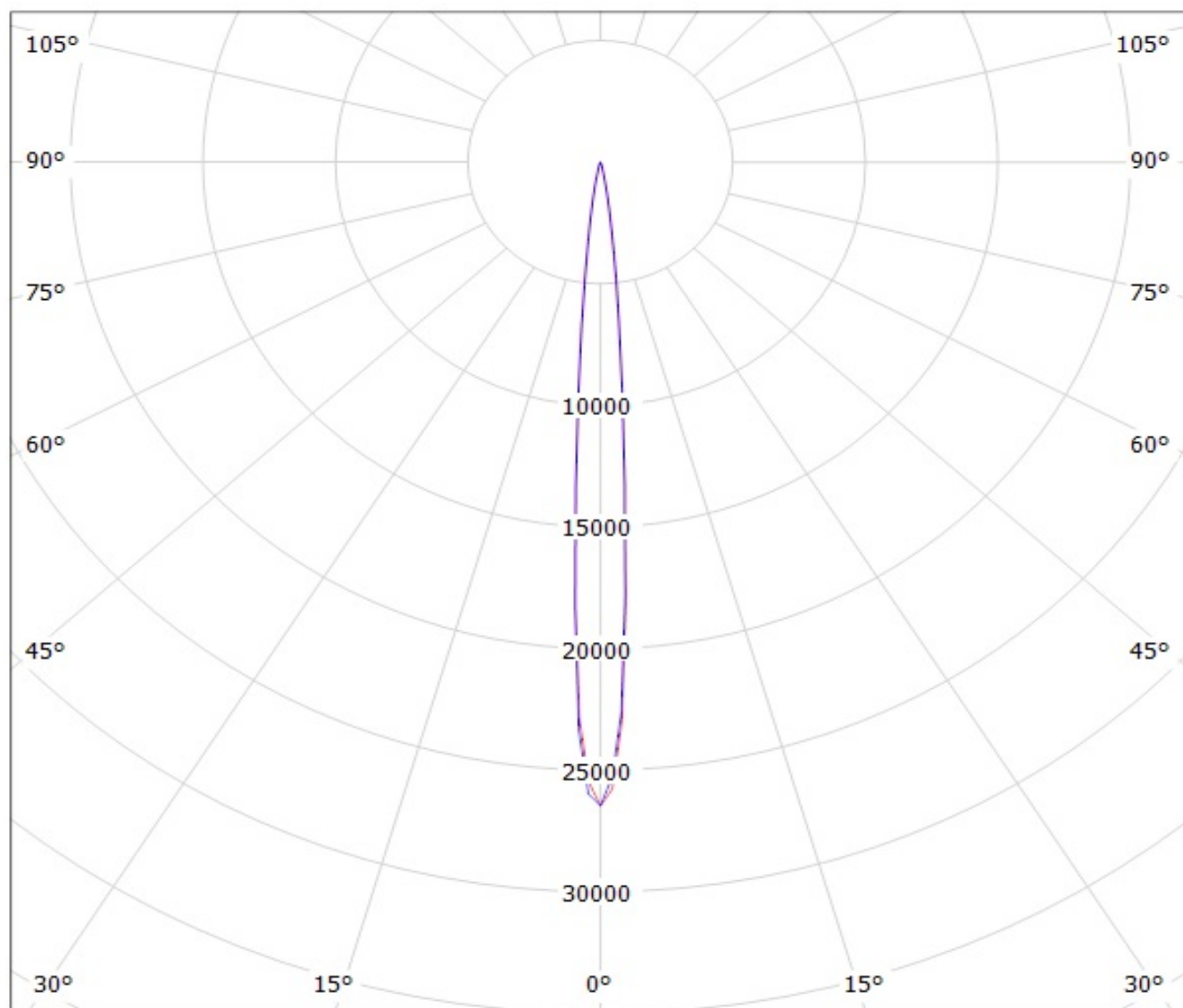
LEDiL Oy CA11481 LXP2-RS_(XP-E2) Eff.90.0% / LDC (Polar)

Luminaire: LEDiL Oy CA11481 LXP2-RS_(XP-E2) Eff.90.0%

Lamps: 1 x CREE_XP-E2_(XPEBWT-L1-7B4-Q4-0-01)_85.49lm@250mA_P=0.745802W_I=249.9mA



Luminaire: Ledil Oy CA11481_LXP2-RS_(NCSxx19A) Efficiency=86%
Lamps: 1 x Nichia NCSxx19A 69lm @ 250mA CCT=3600K P=0.8W I=250mA



cd/klm

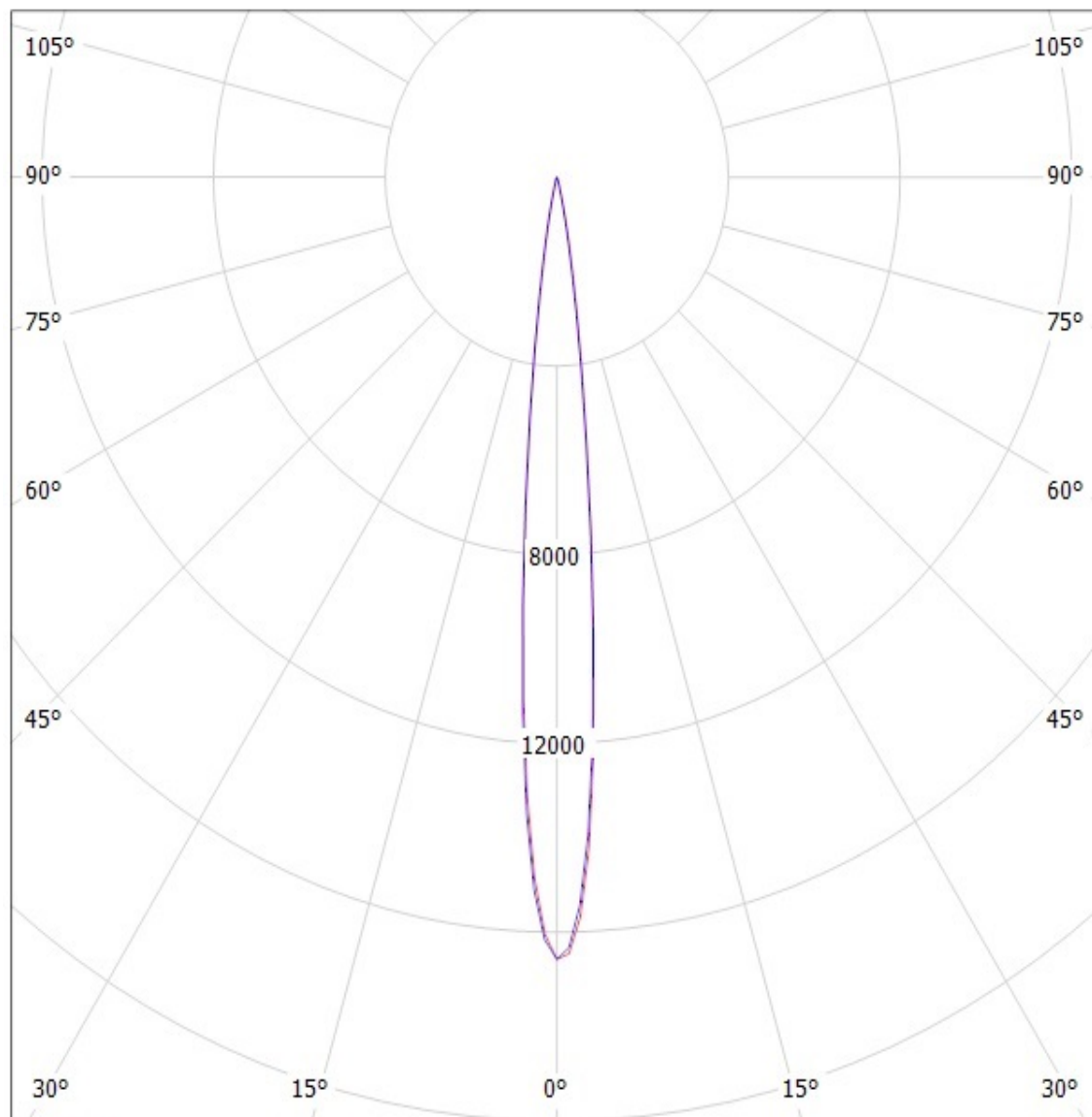
— C0 - C180

— C90 - C270

Ledil Oy CA11481_LXP2-G-RS LOR=94% / LDC (Polar)

Luminaire: Ledil Oy CA11481_LXP2-G-RS LOR=94%

Lamps: 1 x Cree XP-G 89lm 250mA



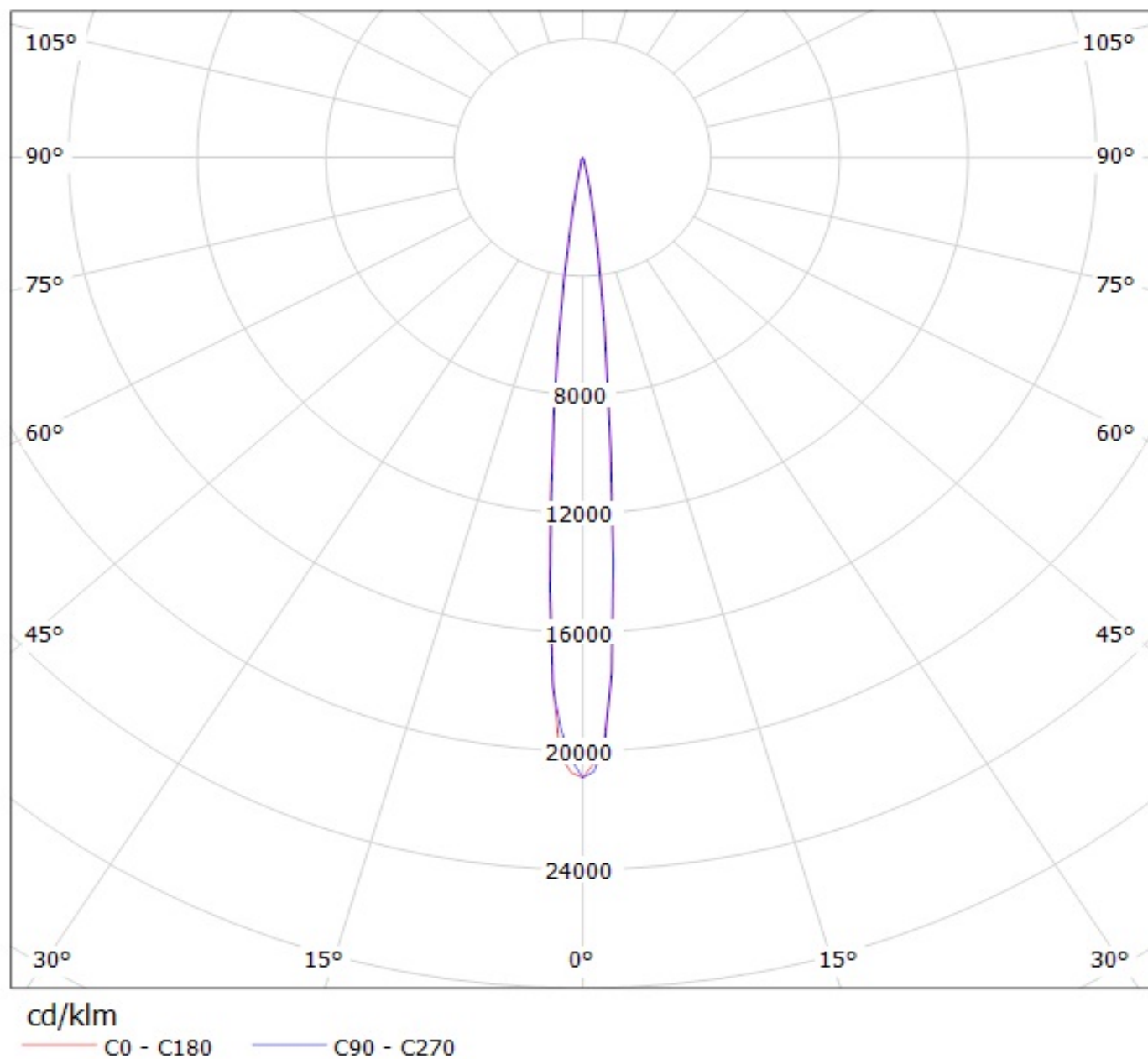
cd/klm

— C0 - C180

— C90 - C270

SIMULATED

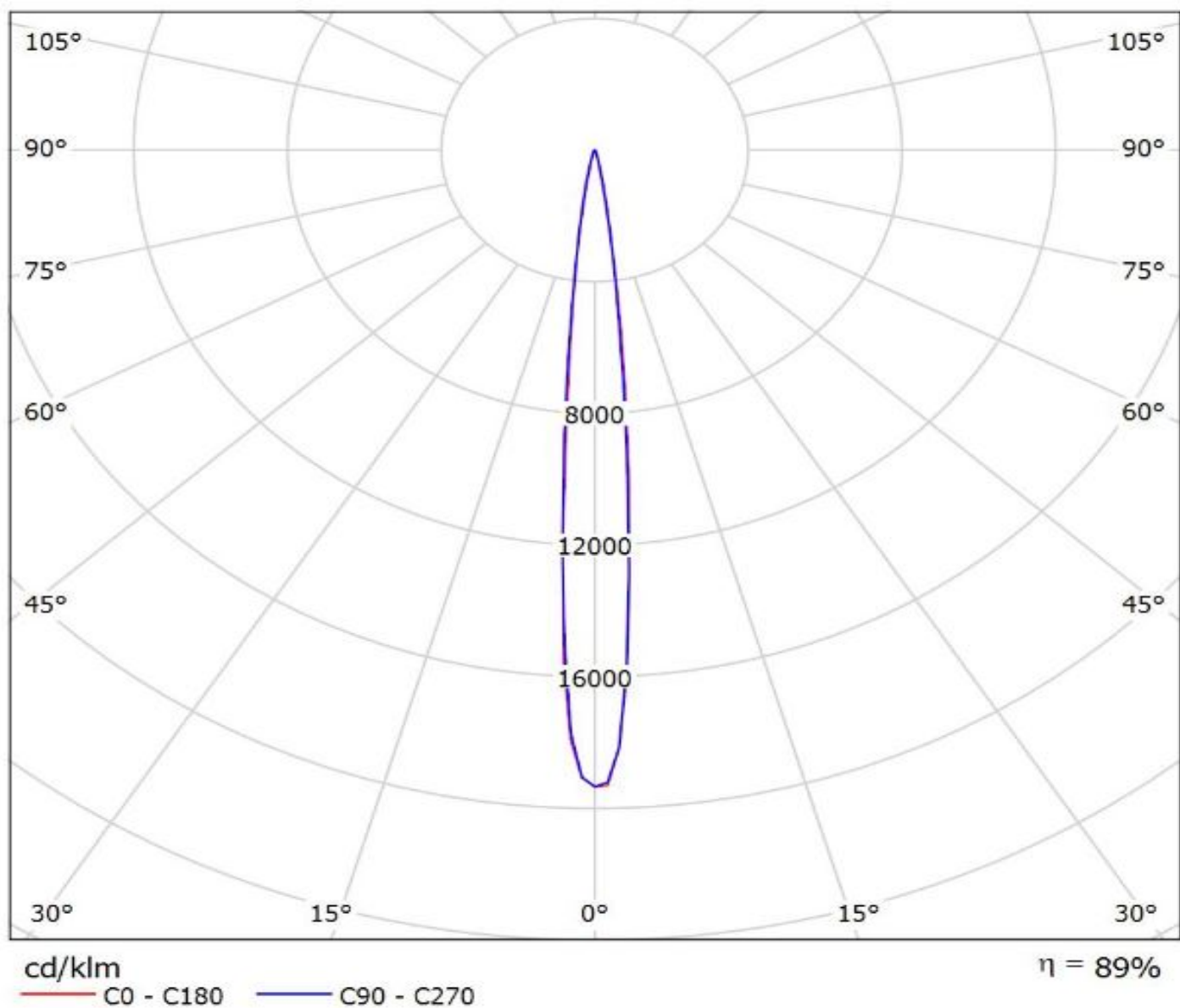
Valaisin: LEDIL OY CA11481_LXP2-RS_(XP-G2) Efficiency=94%
Lamput: 1 x Cree XP-G2 (109.1lm @ 250mA)



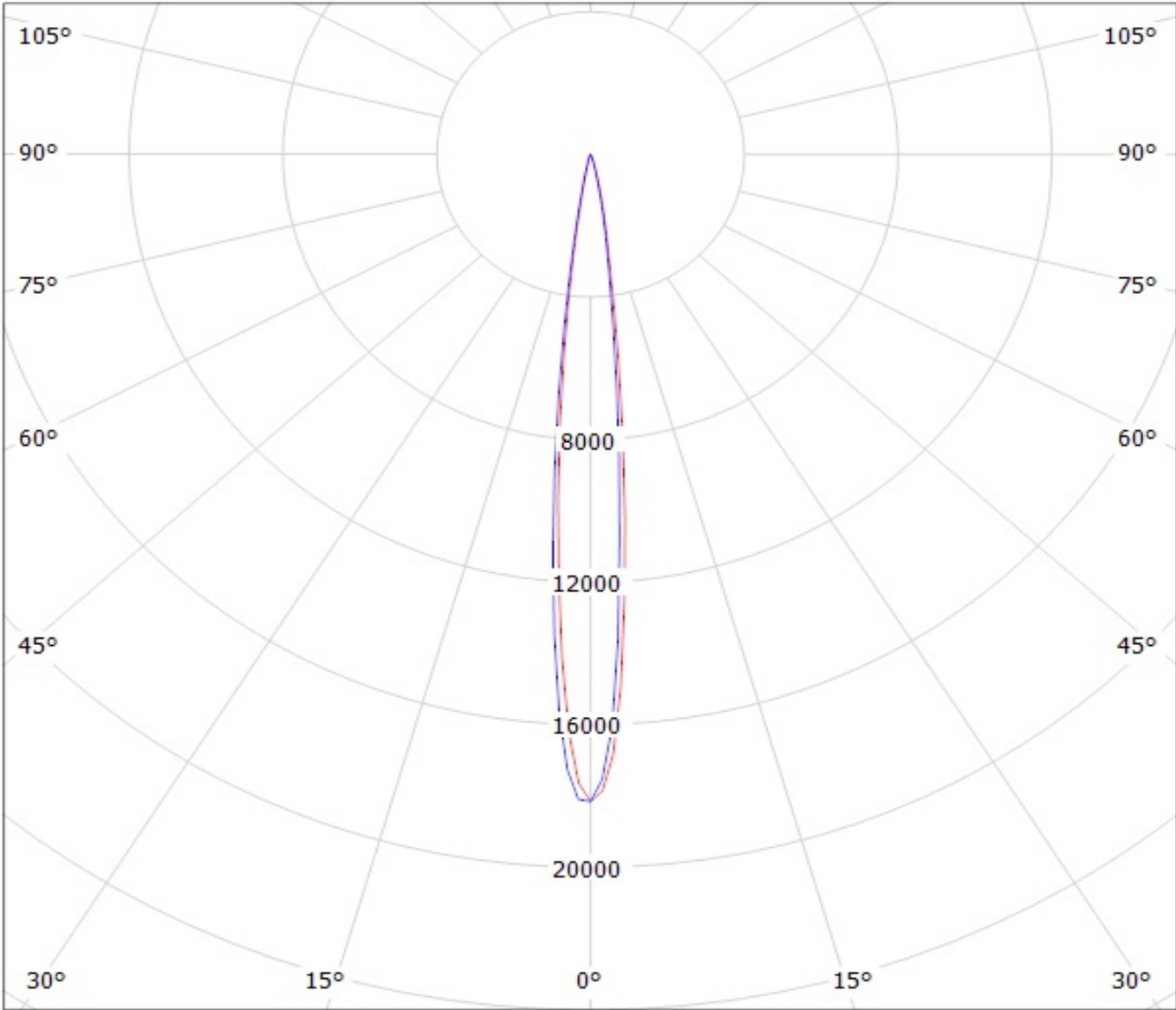
Ledil CA11481_LXP2-RS_(XP-L_HI) / LDC (Polar)

Luminaire: Ledil CA11481_LXP2-RS_(XP-L_HI)

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



Luminaire: Ledil Oy CA11481_LXP2-RS_(3535_Ceramic_gen2) Efficiency=88%
Lamps: 1 x LG 3535 Ceramic gen2 (PKG5700K) 116lm @ 250mA CCT=6200K P=0.7W 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.