

**Ordering number FA11937_LXM-RS**

Family	Leila	FWHM	13 degrees
Type	Assembly	Efficiency	93 %
LED	XM-L2	cd/Im	7.900
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number FA11938_LXM-D**

Family	Leila	FWHM	20 degrees
Type	Assembly	Efficiency	90 %
LED	XM-L2	cd/Im	4.800
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number FA11939_LXM-M**

Family	Leila	FWHM	29 degrees
Type	Assembly	Efficiency	86 %
LED	XM-L2	cd/Im	2.750
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number FA11941_LXM-REC**

Family	Leila	FWHM	36+29 degrees
Type	Assembly	Efficiency	81 %
LED	XM-L2	cd/Im	2.000
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		



PRODUCT DATASHEET

Leila series

last update 2/1/2013

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 2/1/2013

GENERAL INFORMATION

- Product series especially designed & optimized for XM-L2 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%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

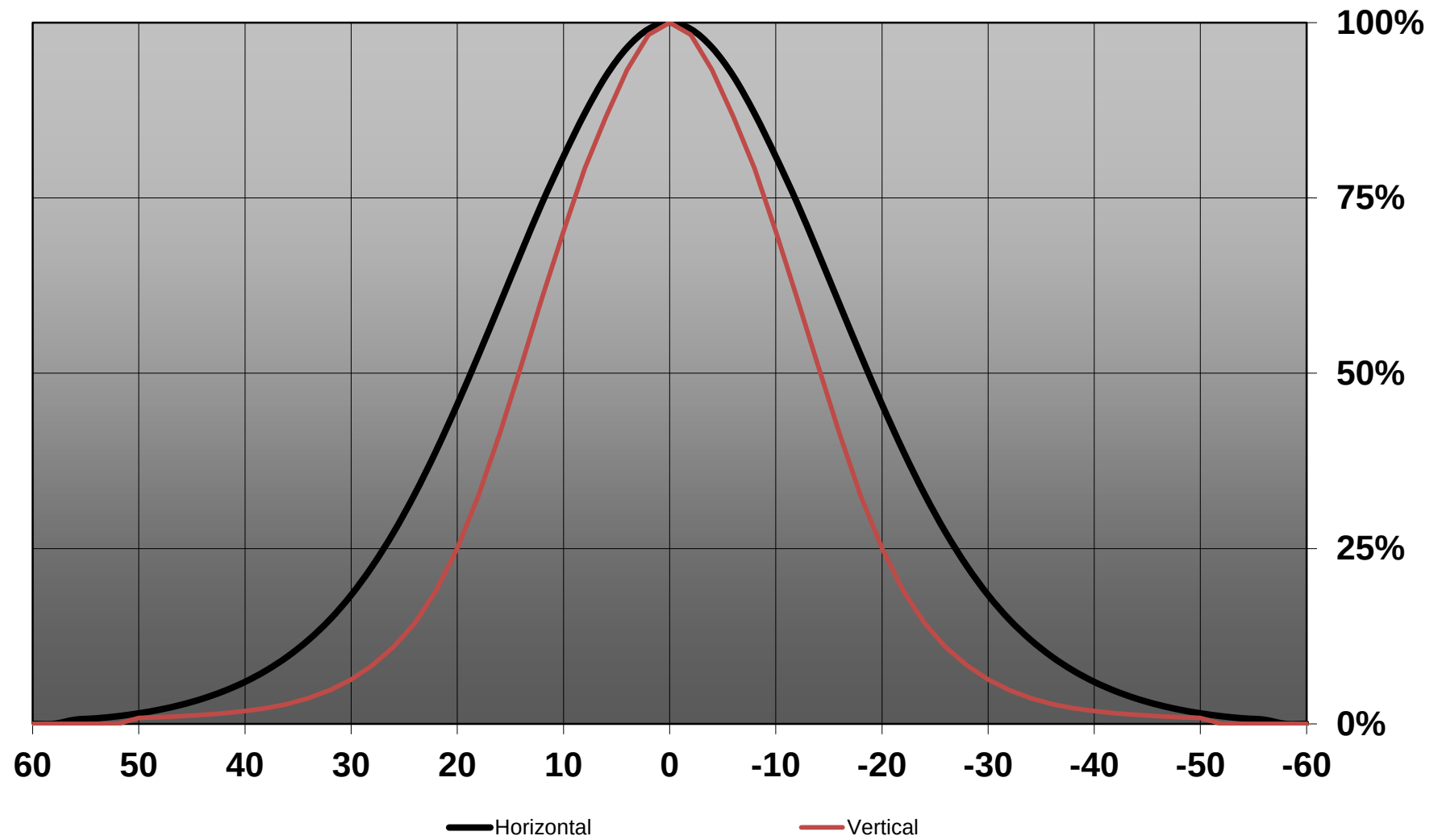
NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.

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.

Relative intensity of FA11941_LXM_REC

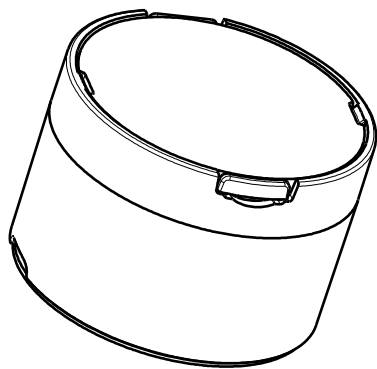


D

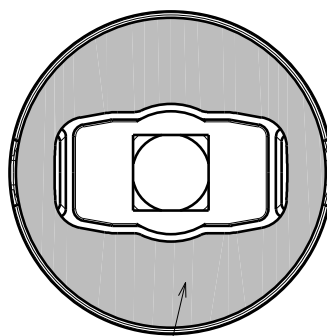
C

B

A

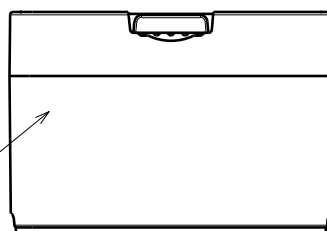


Isometric view



0.4mm tape

Bottom view



14.8

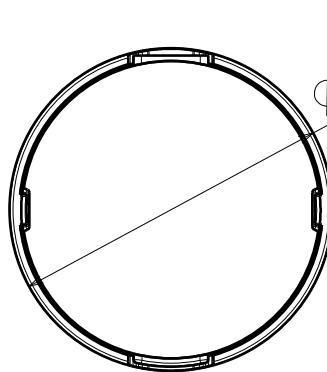
Front view

F11935_Leila Holder_LXM

Materials:
Holder: PC white
Lens: PMMA

Assemblies:
FA11937_LXM_RS
FA11938_LXM_D
FA11939_LXM_M
FA11941_LXM_REC

Holder:
F11935_Leila Holder_LXM

 $\phi 21.56$

Top view

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LEDIL

Ledil Oy
Tehdaskatu 13
FIN-24100 SALO
Finland

DRAWING TITLE

DATASHEET LXM

DRAWN BY

mav

DATE

07.02.2011

CHECKED BY

sn

DATE

07.02.2011

SIZE

A4

DRAWING NUMBER

FA11937

REV

1

DESIGNED BY

mav

DATE

30.12.2010

SCALE

2:1

WEIGHT (g)

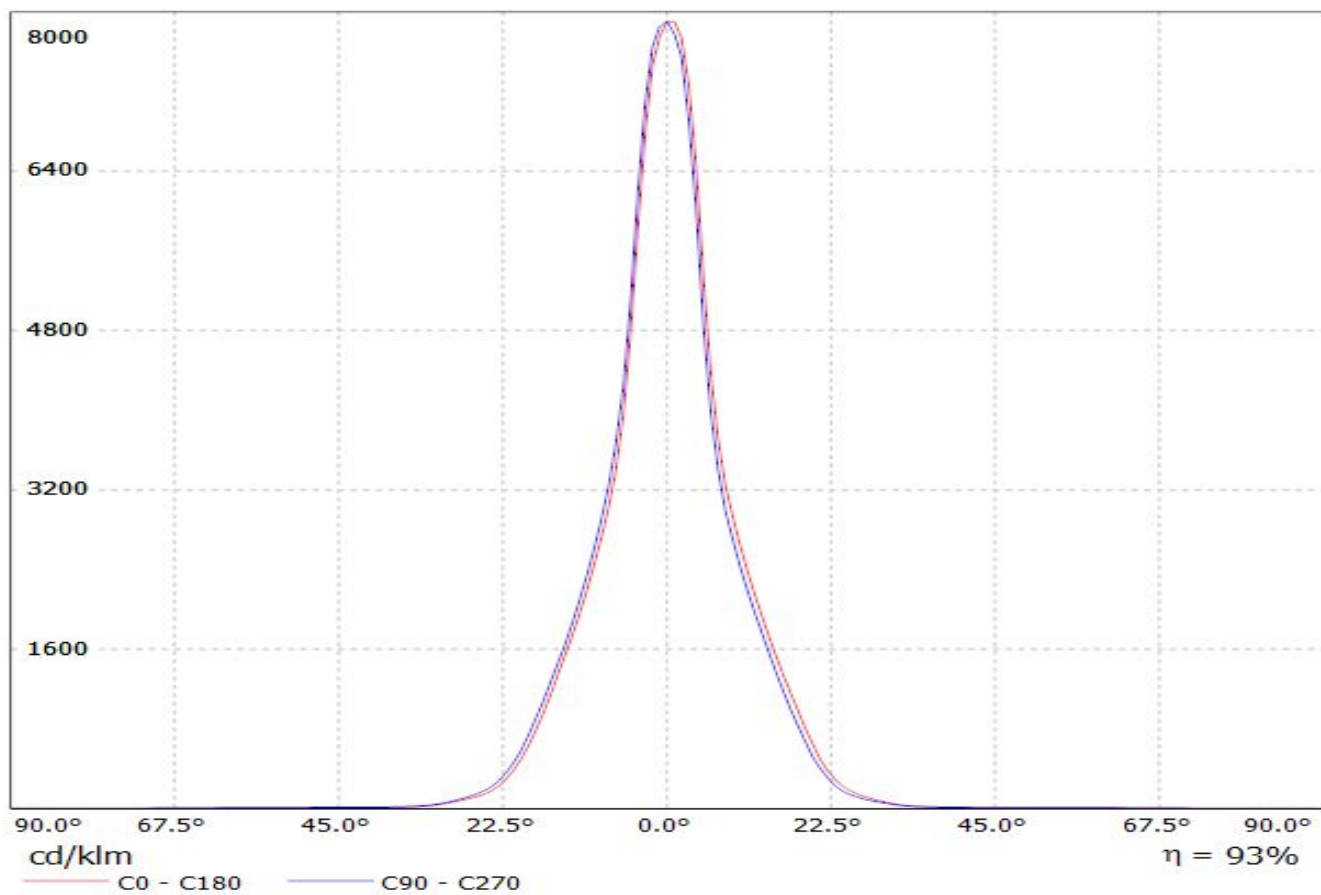
SHEET

1/1

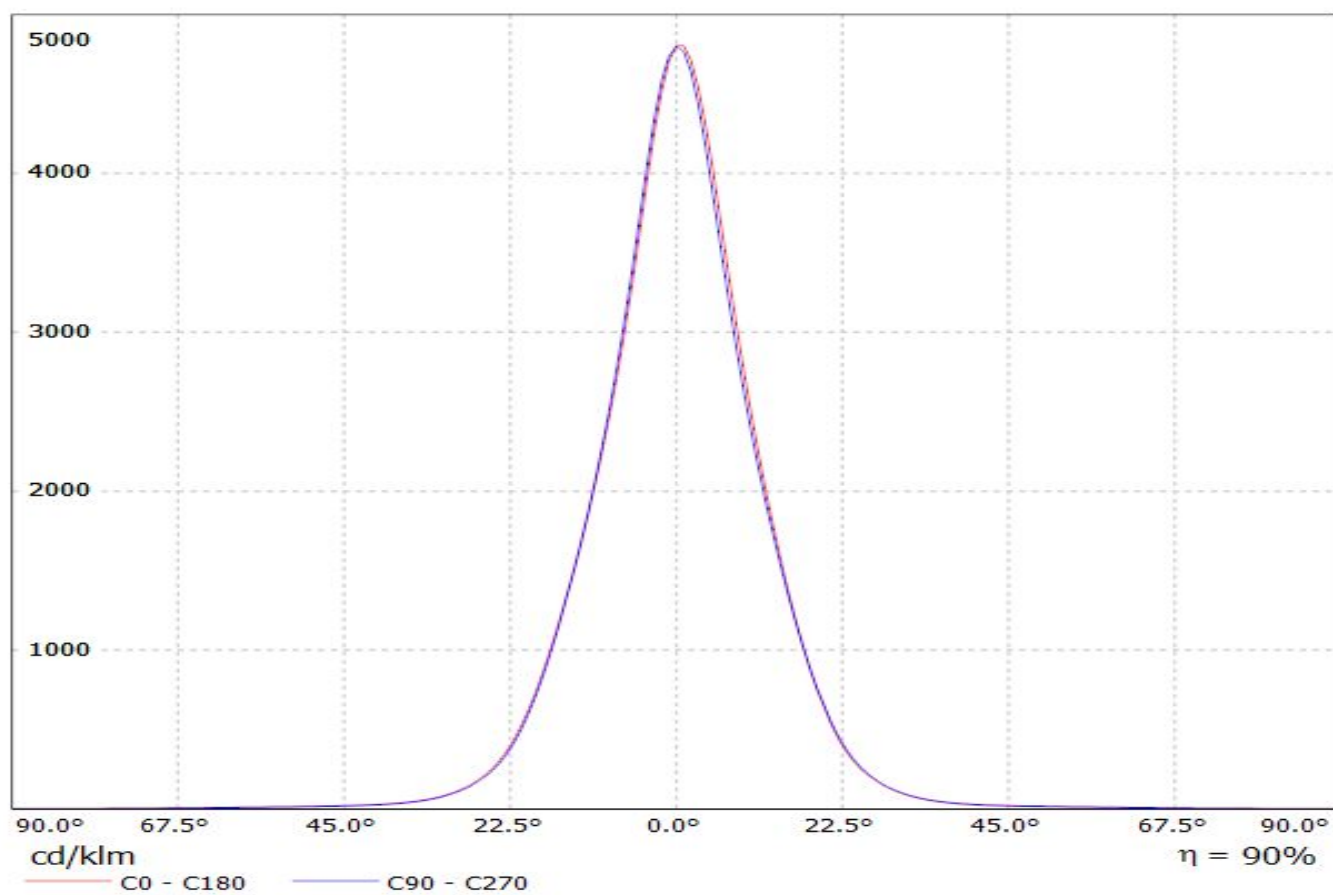
D

A

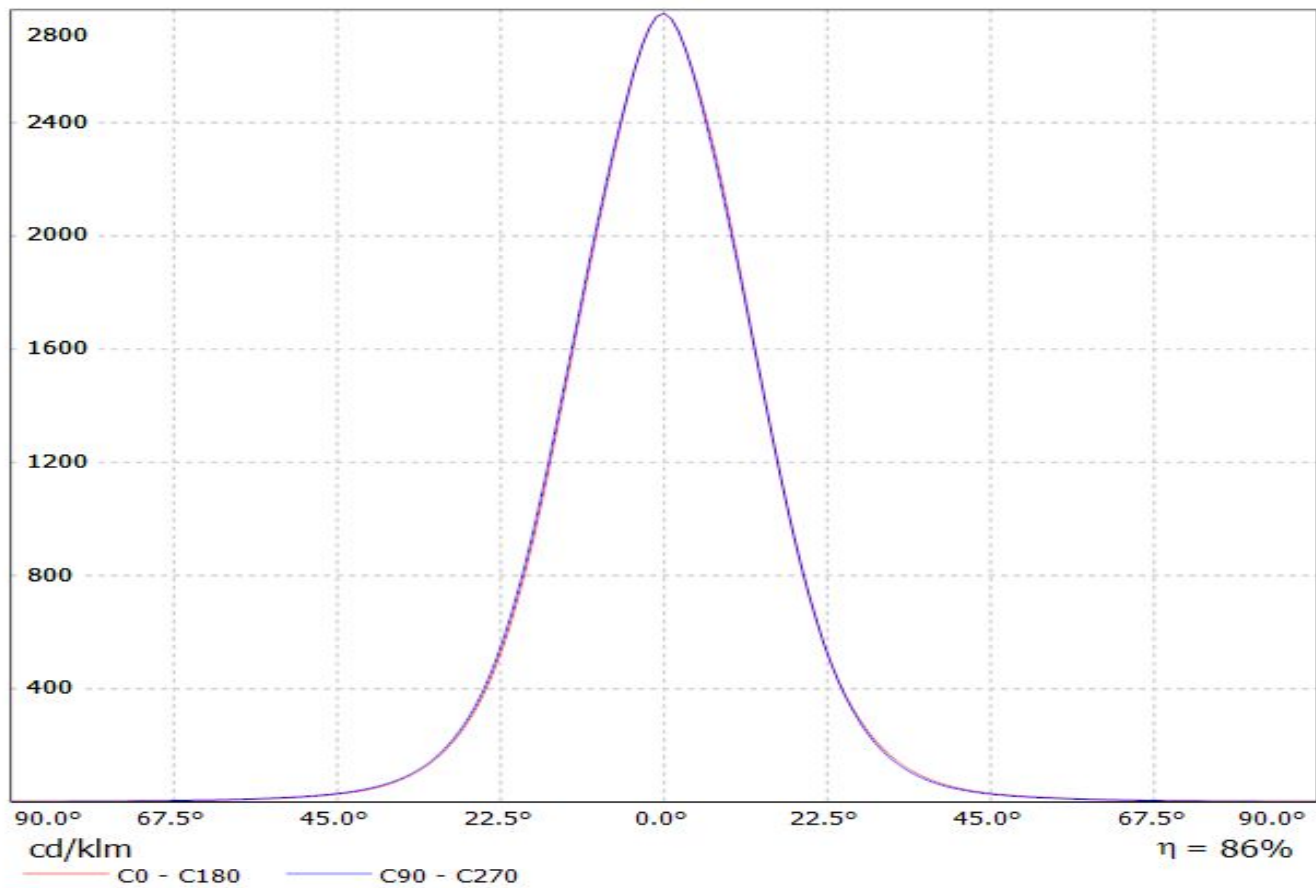
Luminaire: LEDiL Oy FA11937_LXM-RS_(XM-L2) Eff.93.2%
Lamps: 1 x XM-L2 (105lm@250mA)



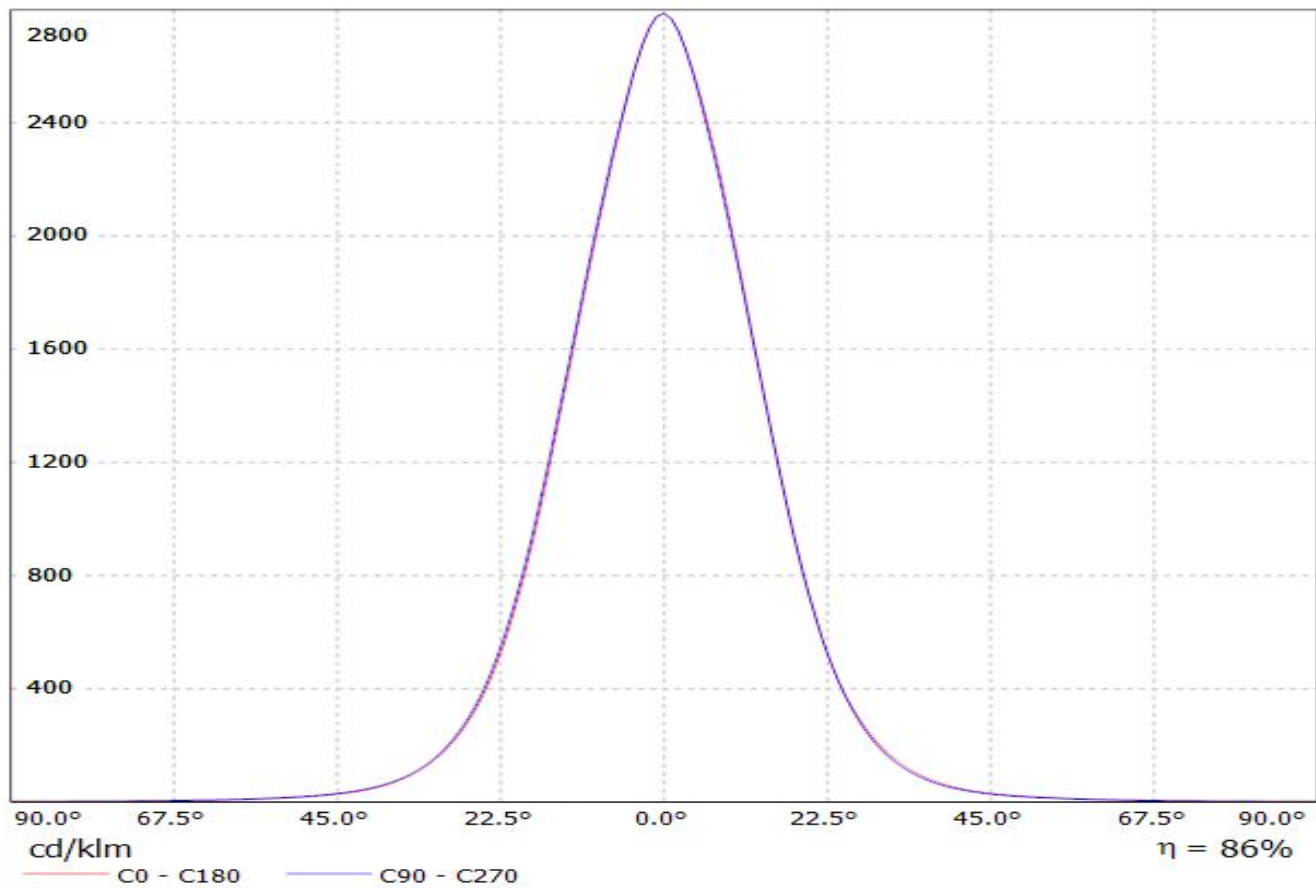
Luminaire: LEDiL Oy FA11938_LXM-D_(XM-L2) Eff.89.8%
Lamps: 1 x XM-L2 (105lm@250mA)



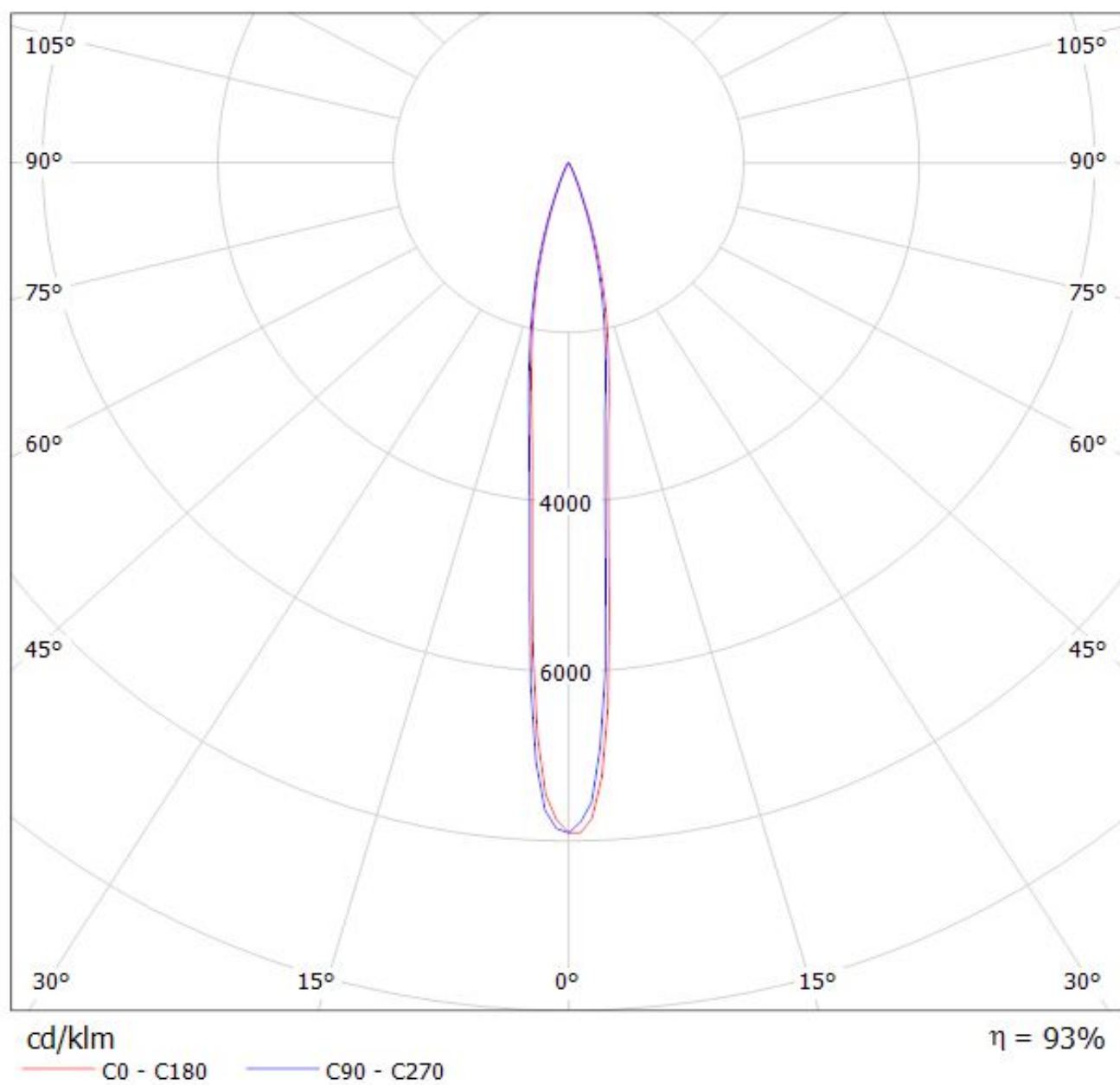
Luminaire: LEDiL Oy FA11939_LXM-M_(XM-L2) Eff.86.2%
Lamps: 1 x XM-L2 (105lm@250mA)



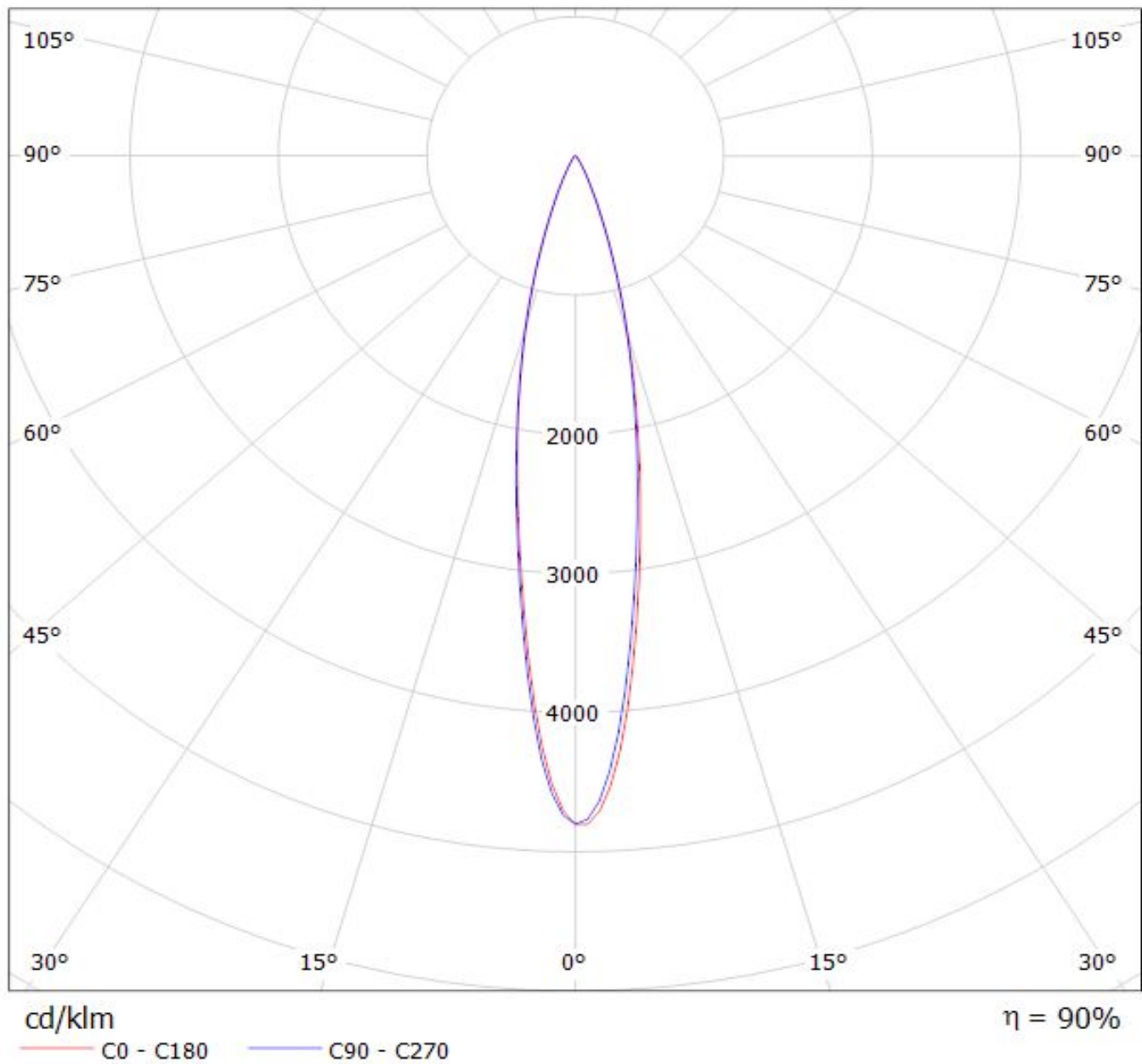
Luminaire: LEDiL Oy FA11939_LXM-M_(XM-L2) Eff.86.2%
Lamps: 1 x XM-L2 (105lm@250mA)



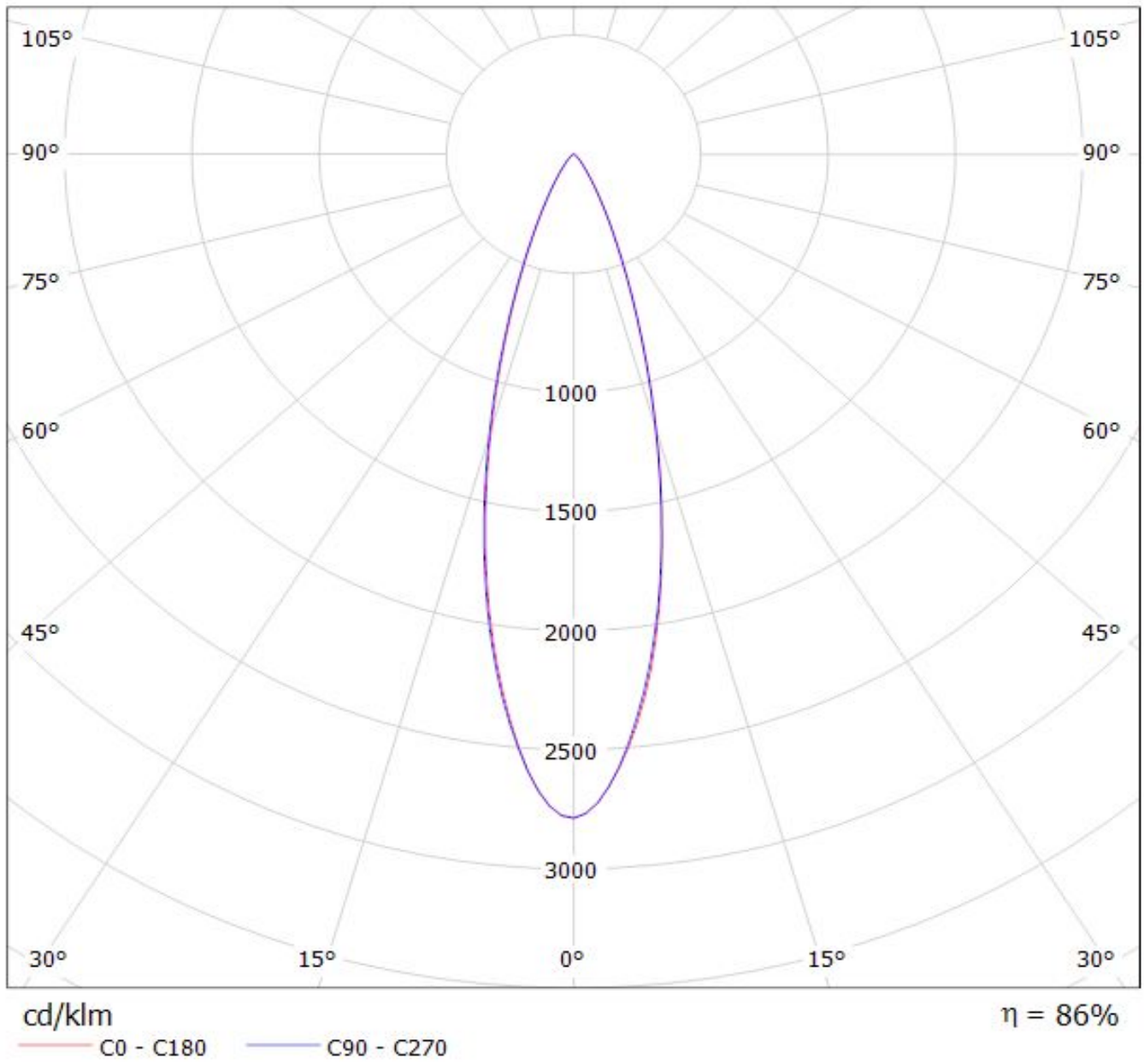
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Luminaire: LEDiL Oy FA11938_LXM-D_(XM-L2) Eff.89.8%
Lamps: 1 x XM-L2 (105lm@250mA)



Lamps: 1 x XM-L2 (105lm@250mA)



Luminaire: LEDiL Oy FA11939_LXM-M_(XM-L2) Eff.86.2%
Lamps: 1 x XM-L2 (105lm@250mA)

