

**Product number C16220_STRADELLA-16-T1-A**

Family	Stradella	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	(simulated) 94 %
LED	NFSx757G	cd/lm	(simulated) 0.818
Color	Clear	Gerber File	Available
Diameter	49.5x49.5 mm		
Height	4.3 mm		
Style	-		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		

Product number C16414_STRADELLA-16-T1-A-PC

Family	Stradella	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	-
LED	NFSx757G	cd/lm	(simulated) 0.000
Color	Clear	Gerber File	Available
Diameter	49.5x49.5 mm		
Height	4.3 mm		
Style	Square		
Optic Material	PC		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		

**Product number C15430_STRADELLA-16-HB-S**

Family	Stradella	FWHM	27 degrees
Type	Lens array	Efficiency	93 %
LED	NFSx757G	cd/lm	1.700
Color	Clear	Gerber File	Available
Diameter	49.5+49.5 mm		
Height	7.5 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		

**Product number C15431_STRADELLA-16-HB-M**

Family	Stradella	FWHM	61 degrees
Type	Lens array	Efficiency	93 %
LED	NFSx757G	cd/lm	0.680
Color	Clear	Gerber File	Available
Diameter	-		
Height	7.5 mm		
Style	-		
Optic Material	PMMA		
Holder Material	-		
Fastening	""		
Status	Production ready		



**Product number** C15432_STRADELLA-16-HB-W

Family	Stradella	FWHM	92 degrees
Type	Lens array	Efficiency	94 %
LED	NFSx757G	cd/lm	0.490
Color	Clear	Gerber File	Available
Diameter	49.5+49.5 mm		
Height	7.1 mm		
Style	-		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		

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

Stradella series

last update 18/12/2017

GENERAL INFORMATION

- Product series especially designed & optimized for NFSx757G 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>

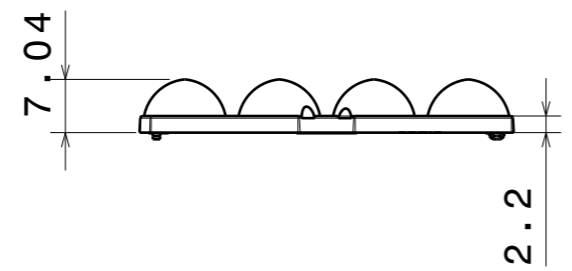
- Lens material optical grade PC with high UV and temperature resistance (100 degrees of Celcius / 212 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used materials from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf

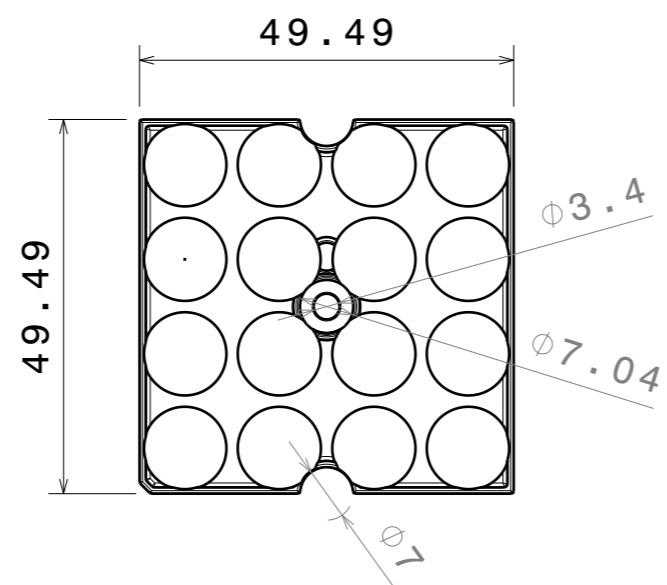
H G F E D C B A

4

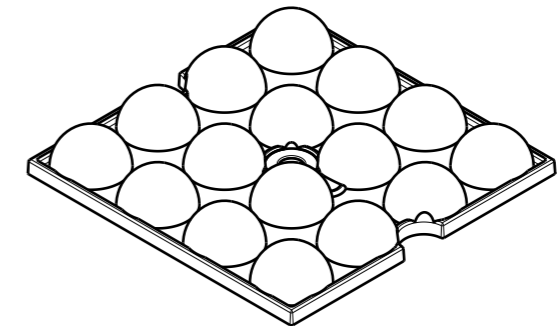


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3

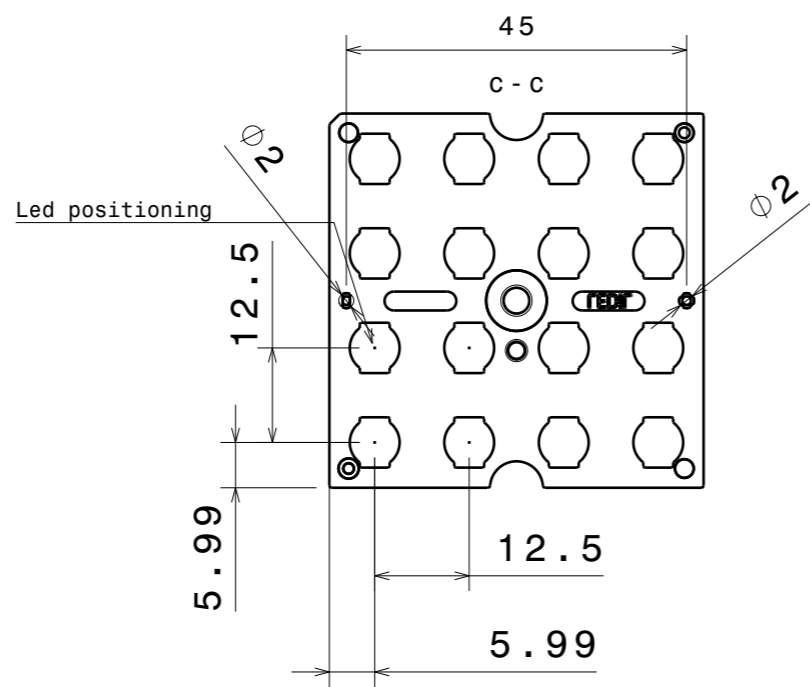


3



Isometric view
Scale: 1:1

2



2

1

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C1xxxx_Stradella-16-HB-W			

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
C1xxxx_Stradella-16-HB-W_

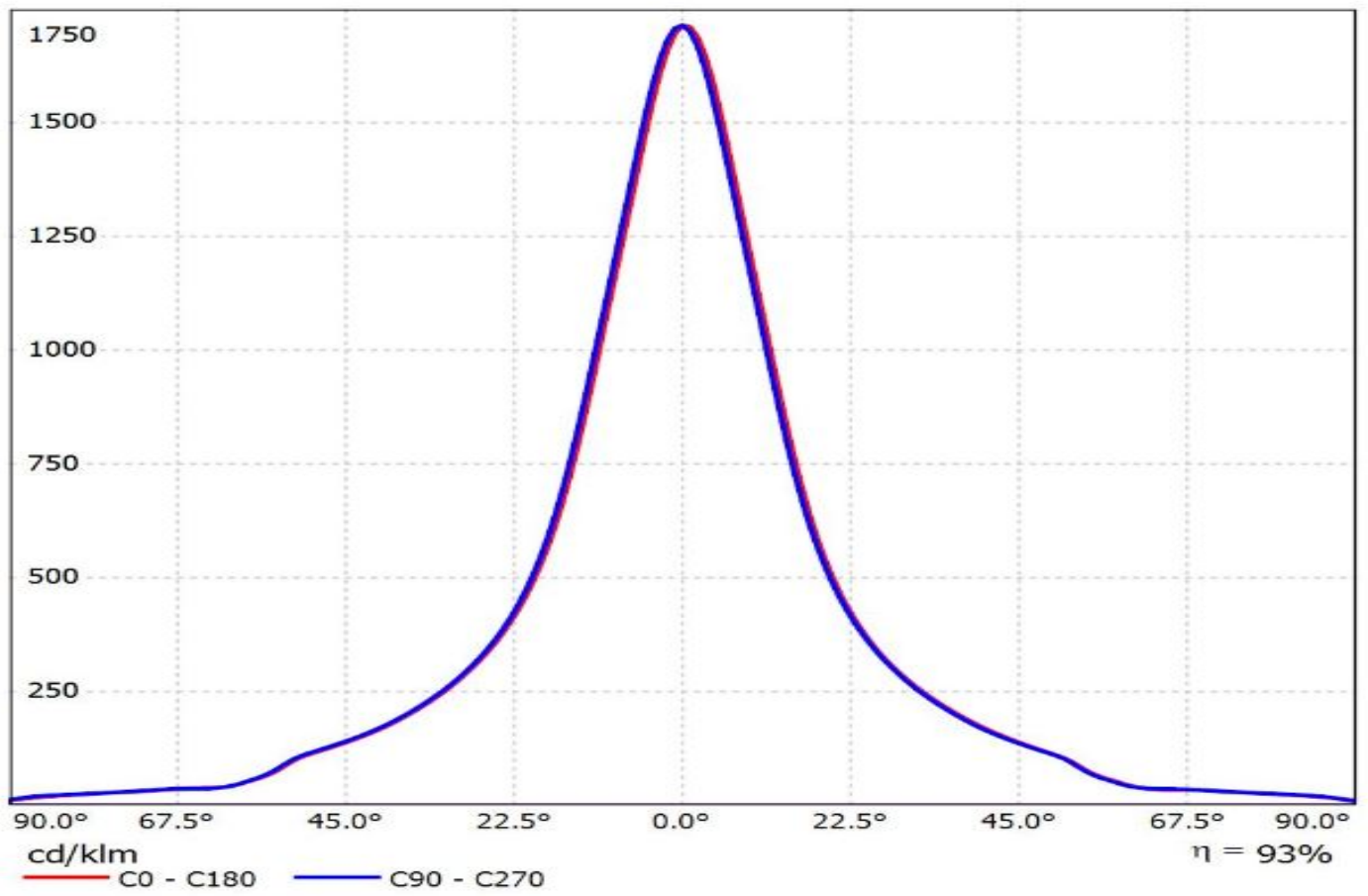
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.

SIZE	PART NUMBER
A3	C1xxxx_Stradella-16-HB-W

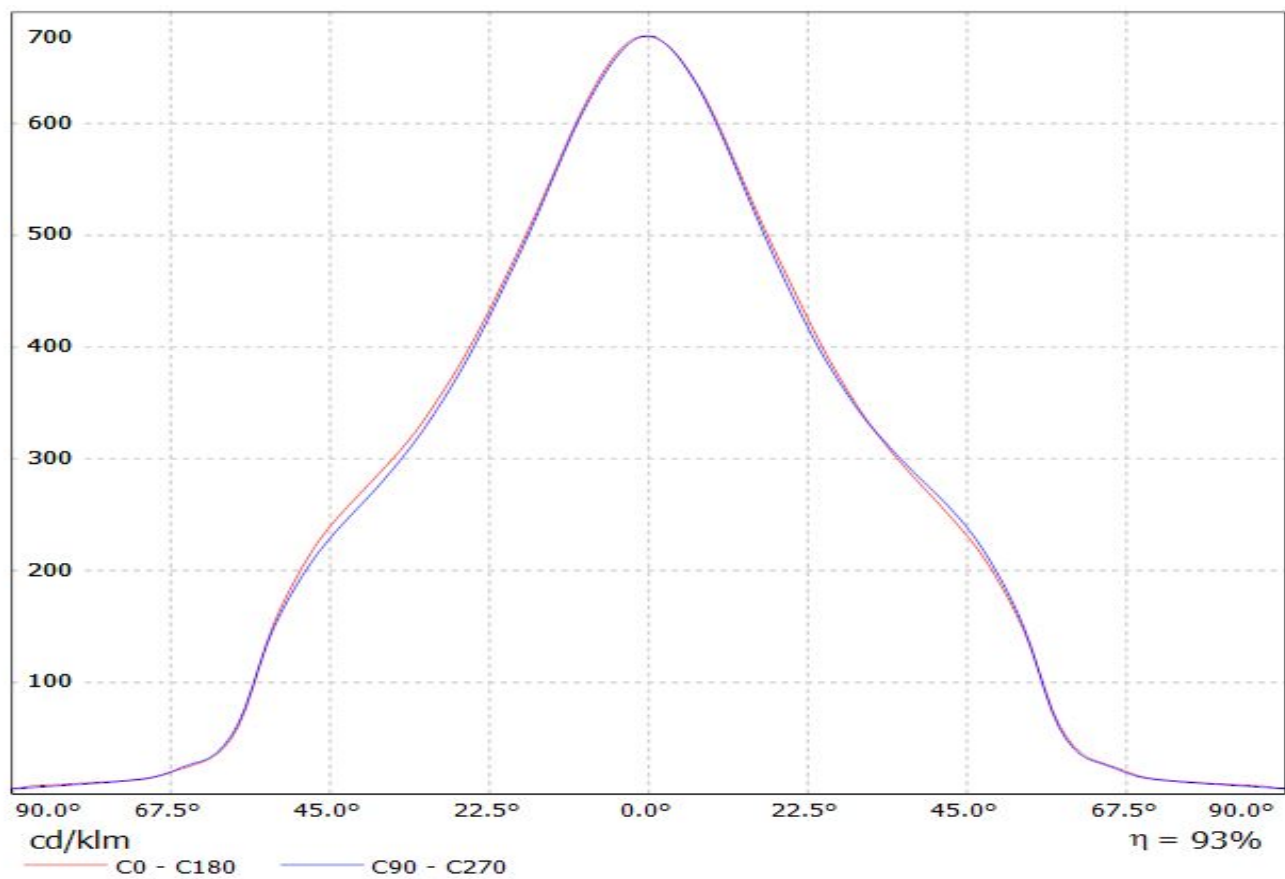
SCALE	1:1	WEIGHT	23,07 g	SHEET	1/1
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H G B A

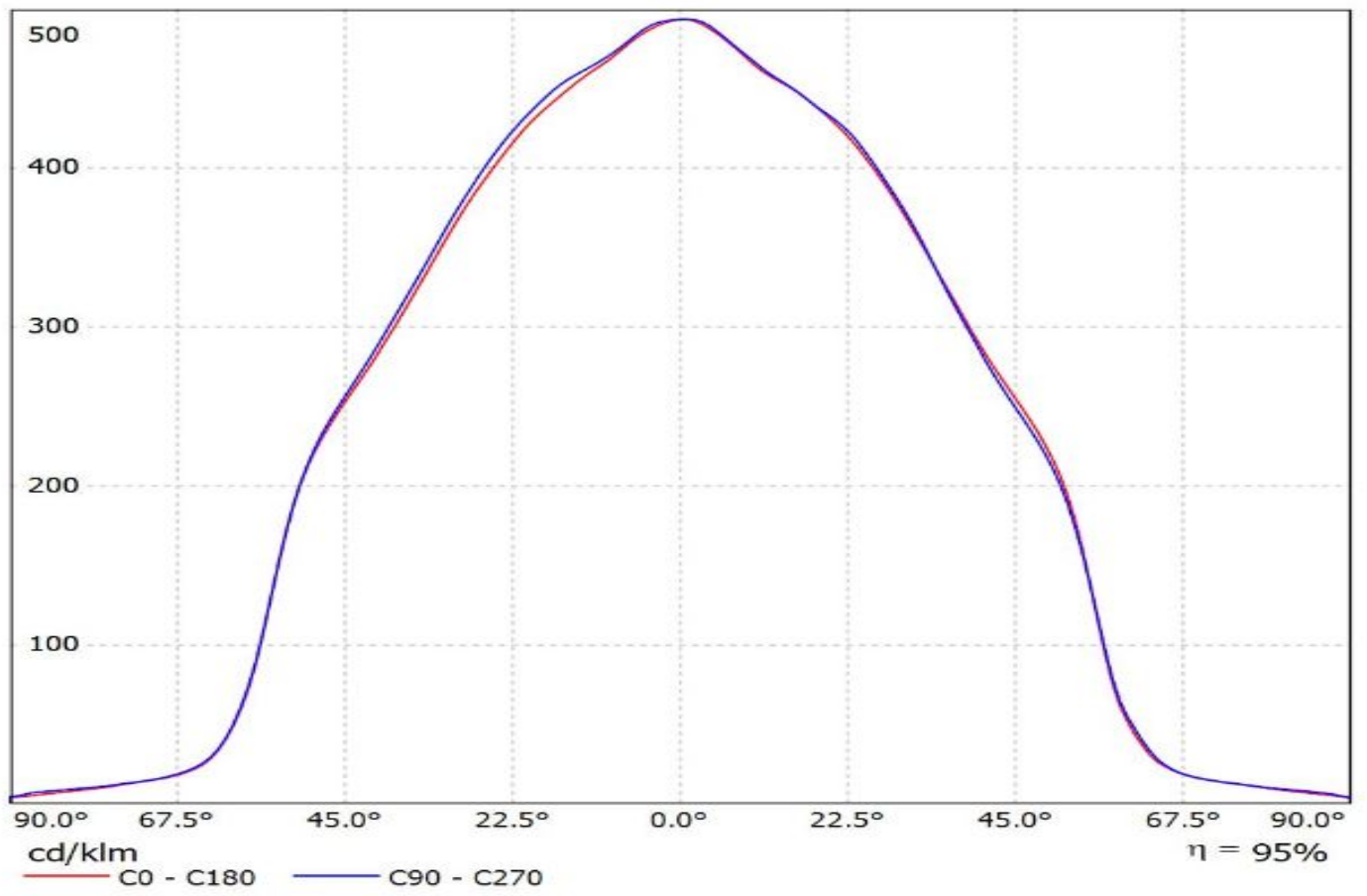
Luminaire: LEDiL Oy C15430_STRADELLA-16-HB-S_(NFSW757GE)
Lamps: 1 x Nichia_NFSW757GE_x16_491.886lm@250mA_P=2.86121W_I=0.25A



Luminaire: Ledil C15431_STRADELLA-16-HB-M_(NFSW757GE)
Lamps: 1 x Nichia_NFSW757GE_x16_506.219lm@250mA_P=2.8765W_I=0.25A

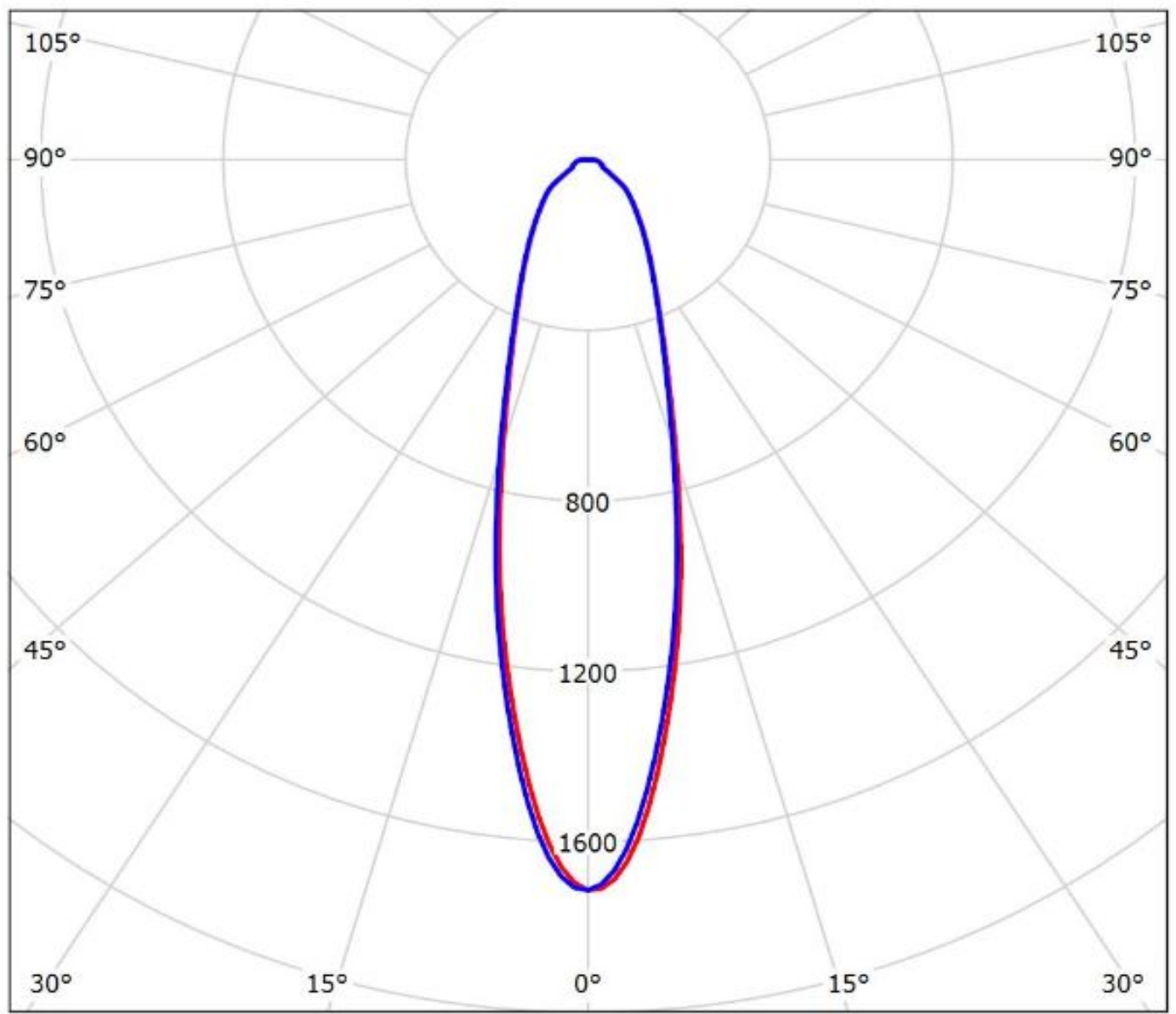


Luminaire: LEDiL Oy C15432_STRADELLA-16-HB-W_(NFSW757GE)
Lamps: 1 x Nichia_NFSW757GE_x16_491.886lm@250mA_P=2.86121W_I=0.25A



Luminaire: LEDiL Oy C15430_STRADELLA-16-HB-S_(NFSW757GE)

Lamps: 1 x Nichia NFSW757GE_x16_491.886lm@250mA_P=2.86121W_I=0.25A

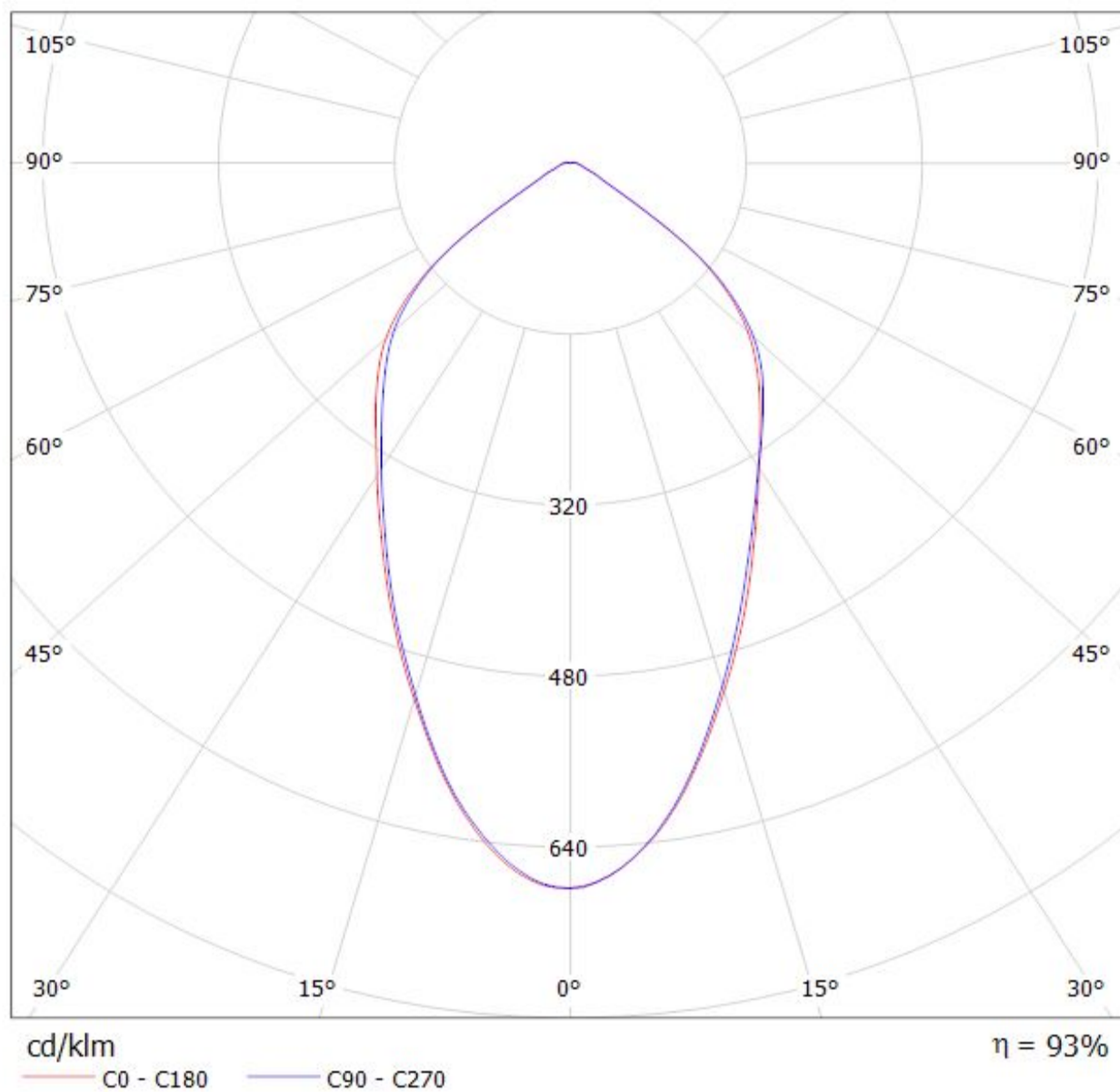


cd/klm

— C0 - C180 — C90 - C270

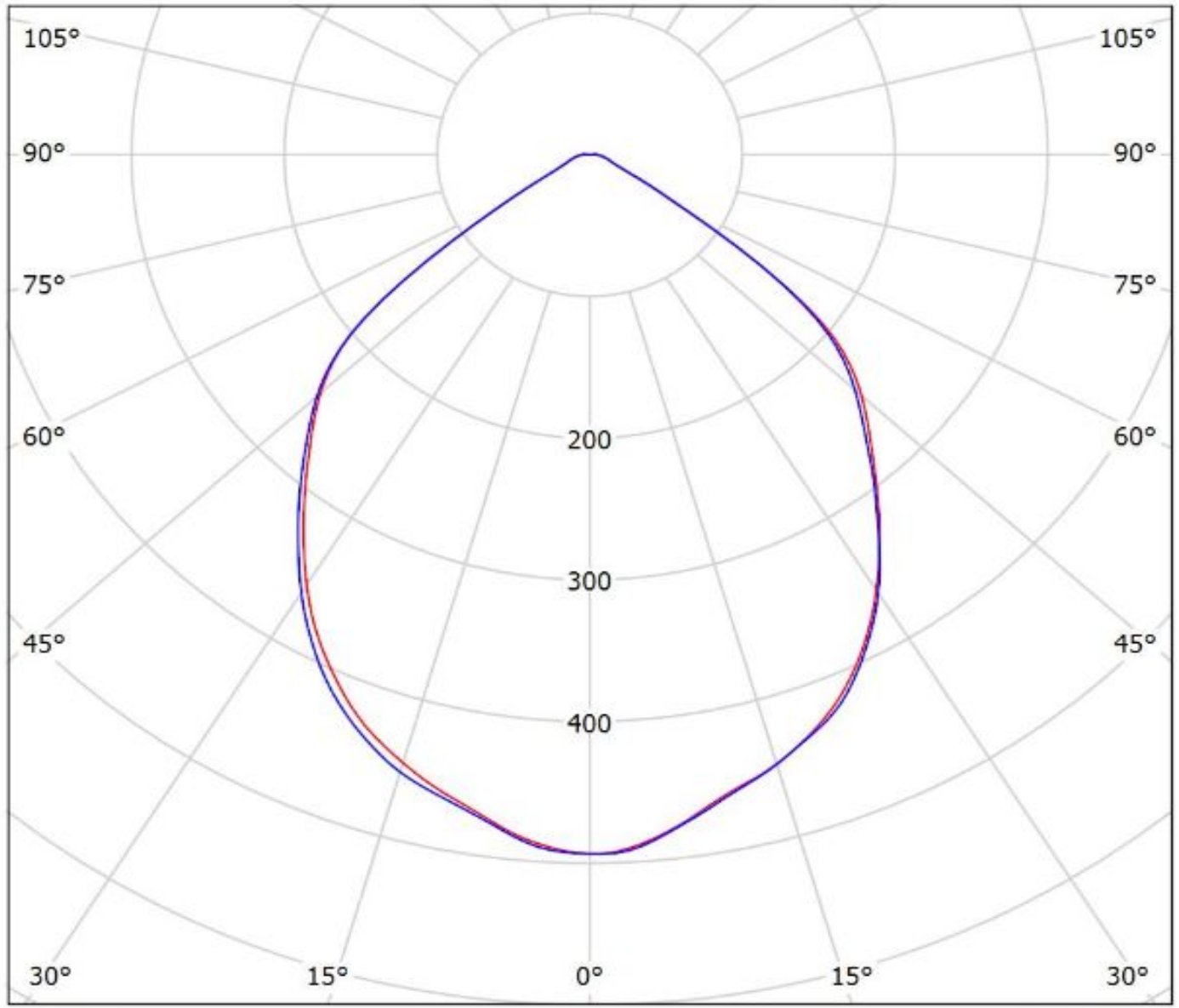
$\eta = 93\%$

Luminaire: Ledil C15431_STRADELLA-16-HB-M_(NFSW757GE)
Lamps: 1 x Nichia_NFSW757GE_x16_506.219lm@250mA_P=2.8765W_I=0.25A



Luminaire: LEDiL Oy C15432_STRADELLA-16-HB-W_(NFSW757GE)

Lamps: 1 x Nichia_NFSW757GE_x16_491.886lm@250mA_P=2.86121W_I=0.25A



cd/klm

— C0 - C180

— C90 - C270

$\eta = 95\%$