

**Ordering number C12362_STRADA-2X2-DWC**

Family	Strada-Module	FWHM	Asymmetric degrees
Type	-	Efficiency	92 %
LED	XM-L	cd/Im	0.410
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	6 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, pin, glue		
Status	Ready		

**Ordering number C12419_STRADA-2X2-A-T**

Family	Strada-Module	FWHM	Asymmetric degrees
Type	-	Efficiency	93 %
LED	XM-L	cd/Im	0.420
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	7.3 mm		
Style	Rectangular		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, pin, glue		
Status	Ready		

**Ordering number C12360_STRADA-2X2-DNW**

Family	Strada-Module	FWHM	Asymmetric degrees
Type	-	Efficiency	93 %
LED	XM-L	cd/Im	0.270
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	11 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, pin, glue		
Status	Ready		

**Ordering number C13300_STRADA-2X2-T2**

Family	Strada-Module	FWHM	Asymmetric degrees
Type	-	Efficiency	95 %
LED	XM-L	cd/Im	0.800
Color	Clear	Gerber File	Available
Diameter	50 + 50 mm		
Height	7.7 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Ready		

IESNA Type II Street light optic Suitable for narrow roads and

**Ordering number C13301_STRADA-2X2-T3**

Family	Strada-Module	FWHM	Asymmetric degrees
Type	-	Efficiency	(simulated) 0 %
LED	XM-L	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	50 x 50 mm		
Height	7 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Ready		

IESNA Type III Street light optic

**Ordering number C13604_STRADA-2X2-FN**

Family	Strada-Module	FWHM	Asymmetric degrees
Type	-	Efficiency	94 %
LED	XM-L	cd/Im	1.200
Color	Clear	Gerber File	Available
Diameter	50 + 50 mm		
Height	10 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Ready		

Forward throw optic

**Ordering number C13699_STRADA-2X2-DN**

Family	Strada-Module	FWHM	Asymmetric degrees
Type	-	Efficiency	94 %
LED	XM-L	cd/Im	0.700
Color	Clear	Gerber File	Available
Diameter	50 x 50 mm		
Height	8.05 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Ready		

**Ordering number C13805_STRADA-2X2-T4**

Family	Strada-Module	FWHM	Asymmetric degrees
Type	Lens	Efficiency	95 %
LED	XM-L	cd/Im	0.630
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	7.7 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Ready		

**Ordering number** C13499_STRADA-2X2-CY

Family	Strada-Module	FWHM	126+126 degrees
Type	-	Efficiency	94 %
LED	XM-L	cd/Im	0.320
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	7.85 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	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 Strada-Module series

last update 19/6/2014

GENERAL INFORMATION

- Product series especially designed & optimized for XM-L 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 (105 degrees of Celcius / 220 degrees of Fahrenheit). 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>

- 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

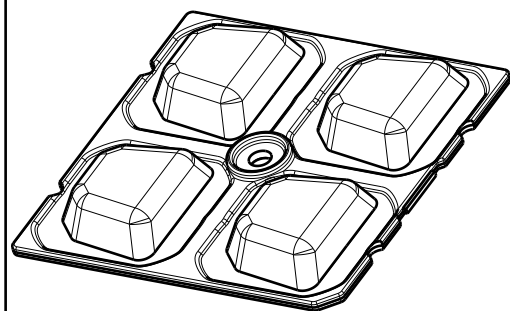
NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the glue.

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.

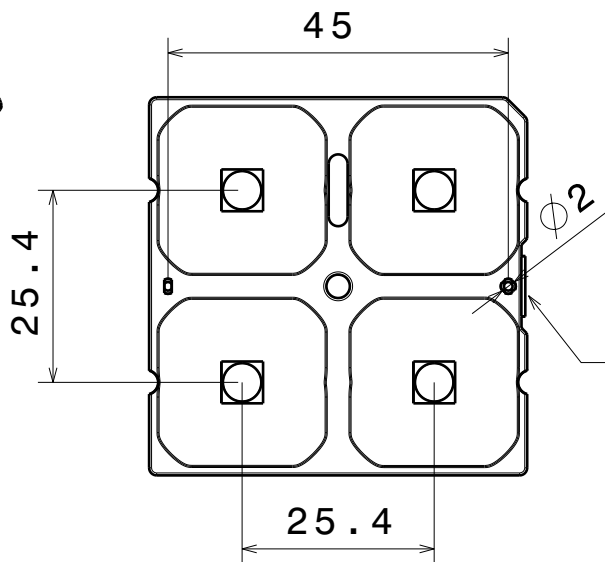
Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.

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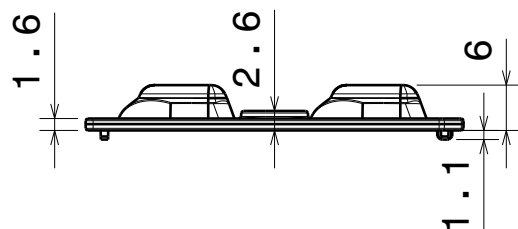
Isometric view



Bottom view

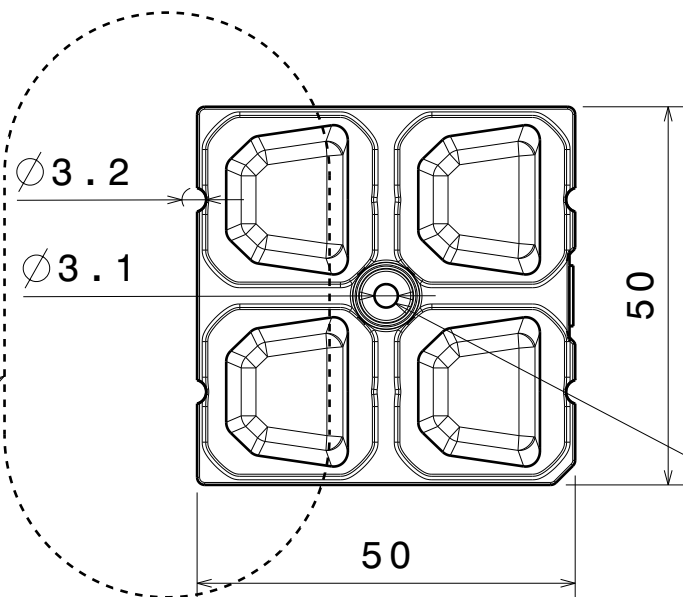
Position pins

3



Front view

2



Top view

Beam direction
(street side)

Screw hole

Material: PMMA

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Ledil Oy
Salorankatu 10
FIN-24100 SALO
Finland

DRAWING TITLE

Datasheet Strada-2x2-DWC module

DRAWN BY
ah/mav

DATE
15.4.2013

CHECKED BY
ol

DATE
3.1.2012

DESIGNED BY
ol

DATE
18.10.2011

SIZE
A4

DRAWING NUMBER

C12362

REV
3

SCALE

2:1

WEIGHT (g)

SHEET

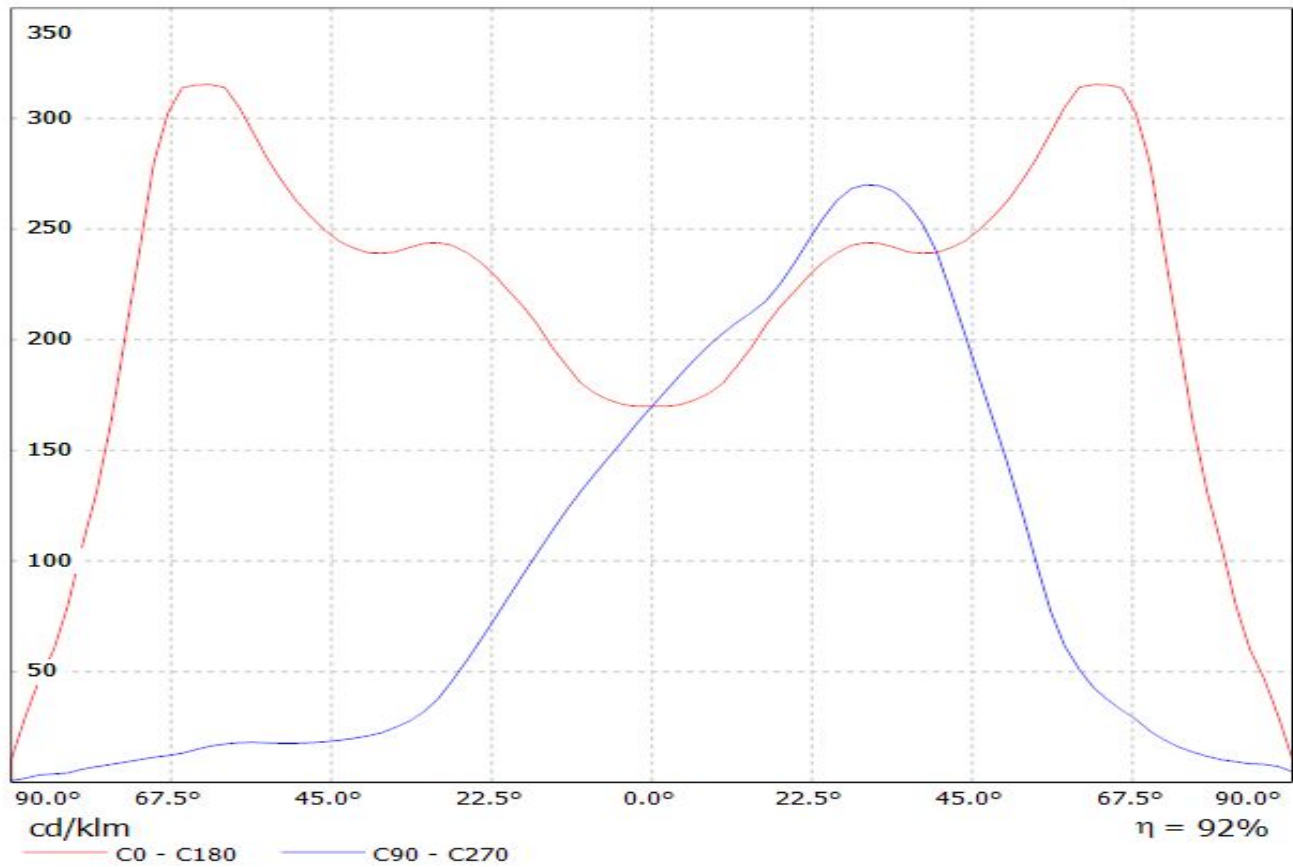
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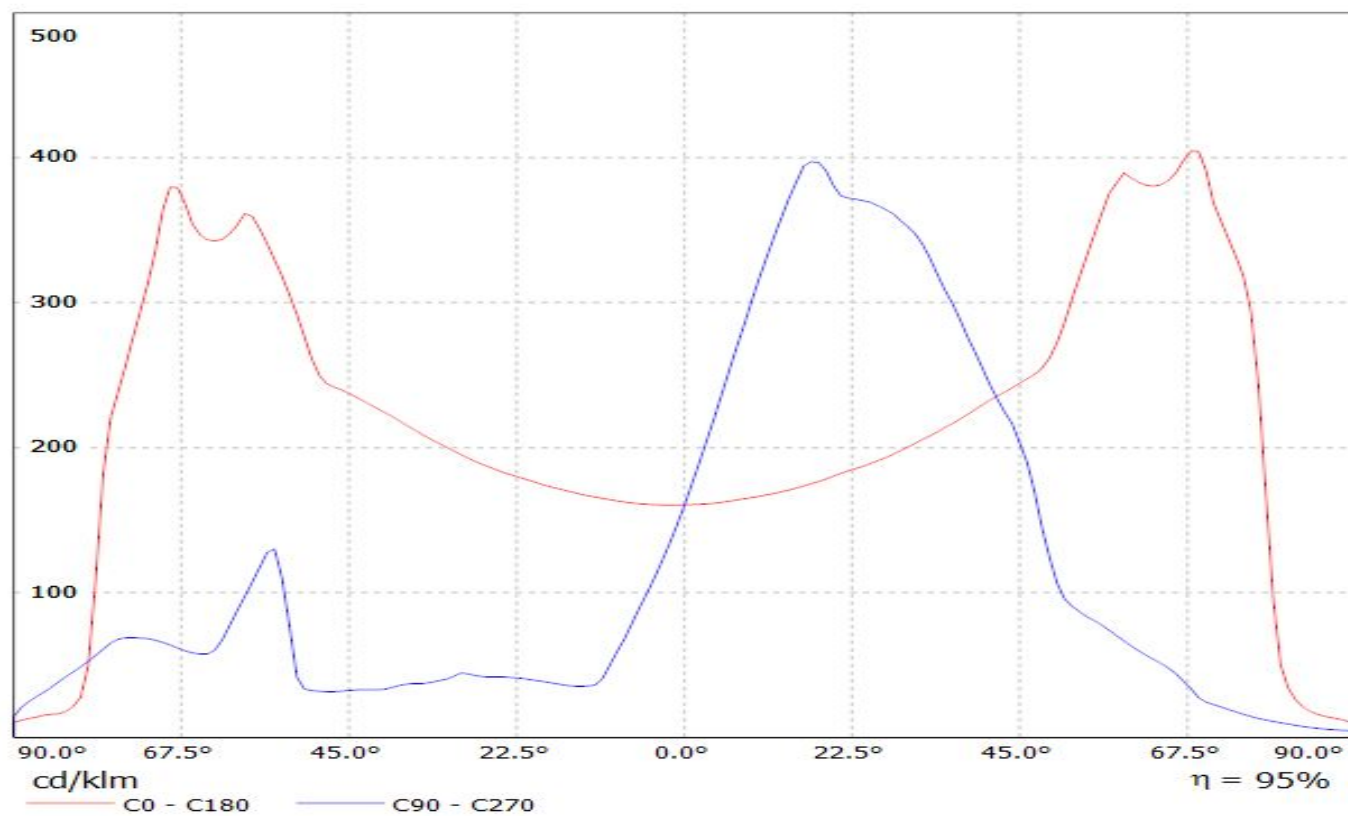
Luminaire: Ledil Oy C12360_Strada-2x2-DNW-XM-L Eff.93%
Lamps: 1 x Cree XM-L 400lm@250mA



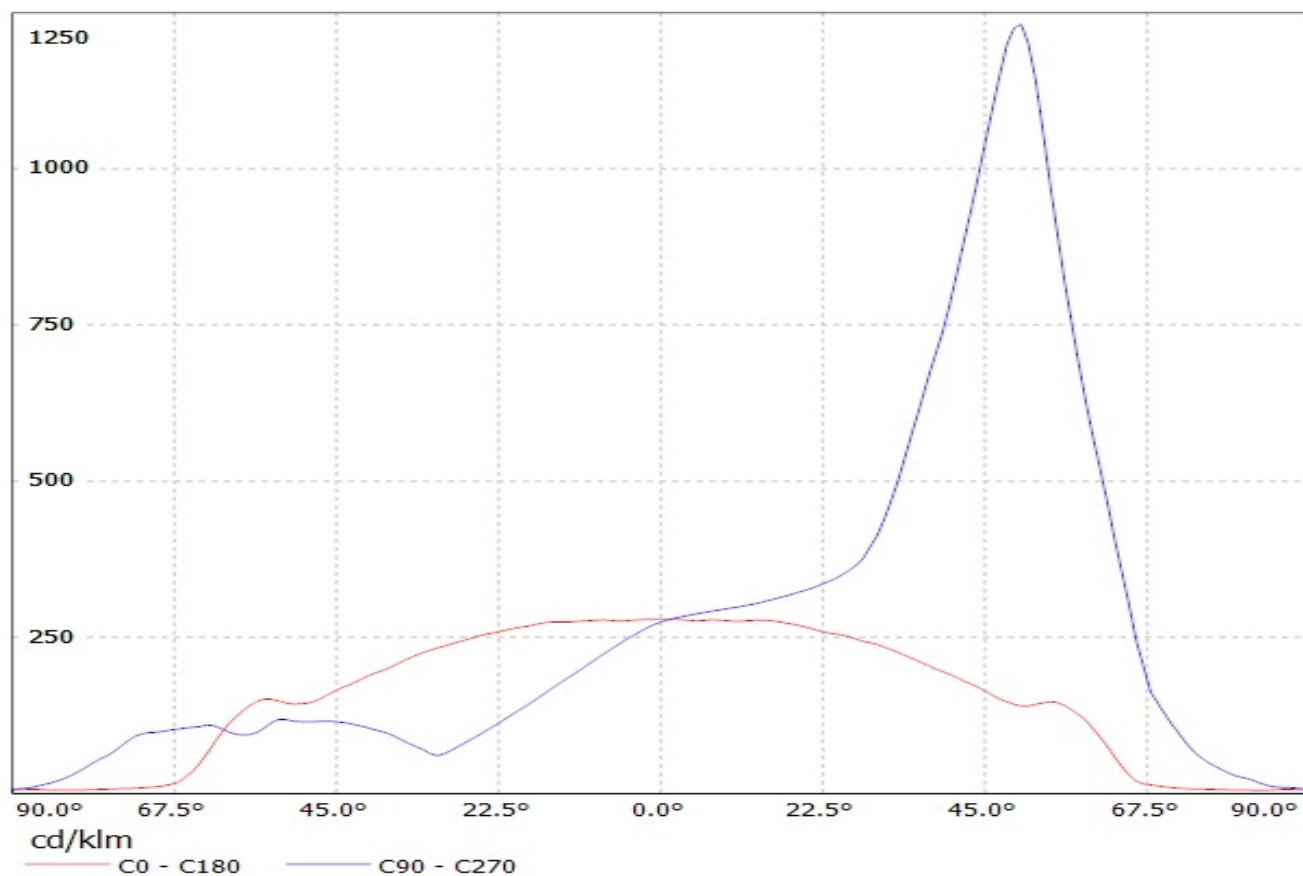
LEDiL Oy C13300_STRADA-2X2-T2_(XM-L) Eff.95.1% / LDC (Linear)

Luminaire: LEDiL Oy C13300_STRADA-2X2-T2_(XM-L) Eff.95.1%

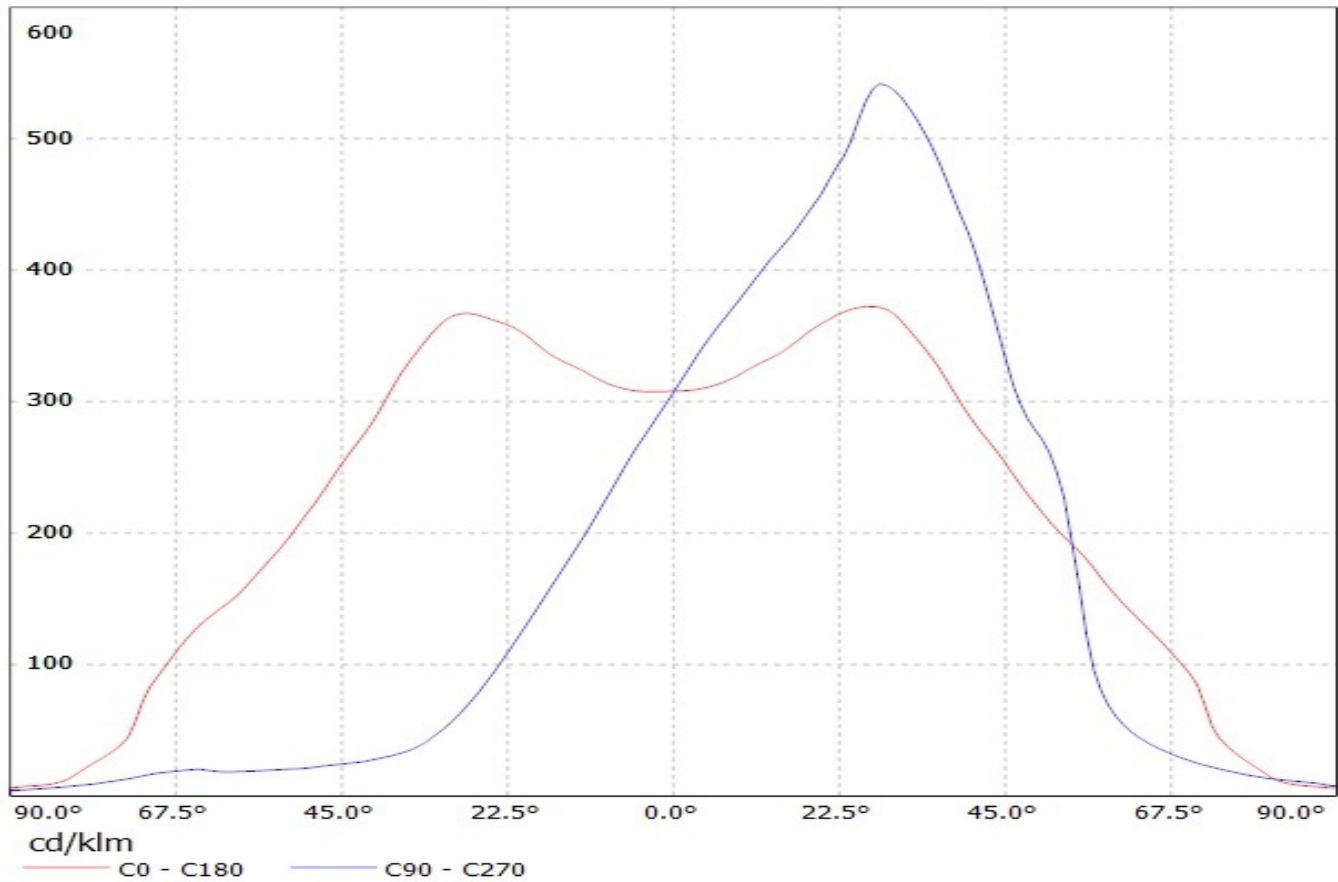
Lamps: 1 x XM-L (357lm@250mA)



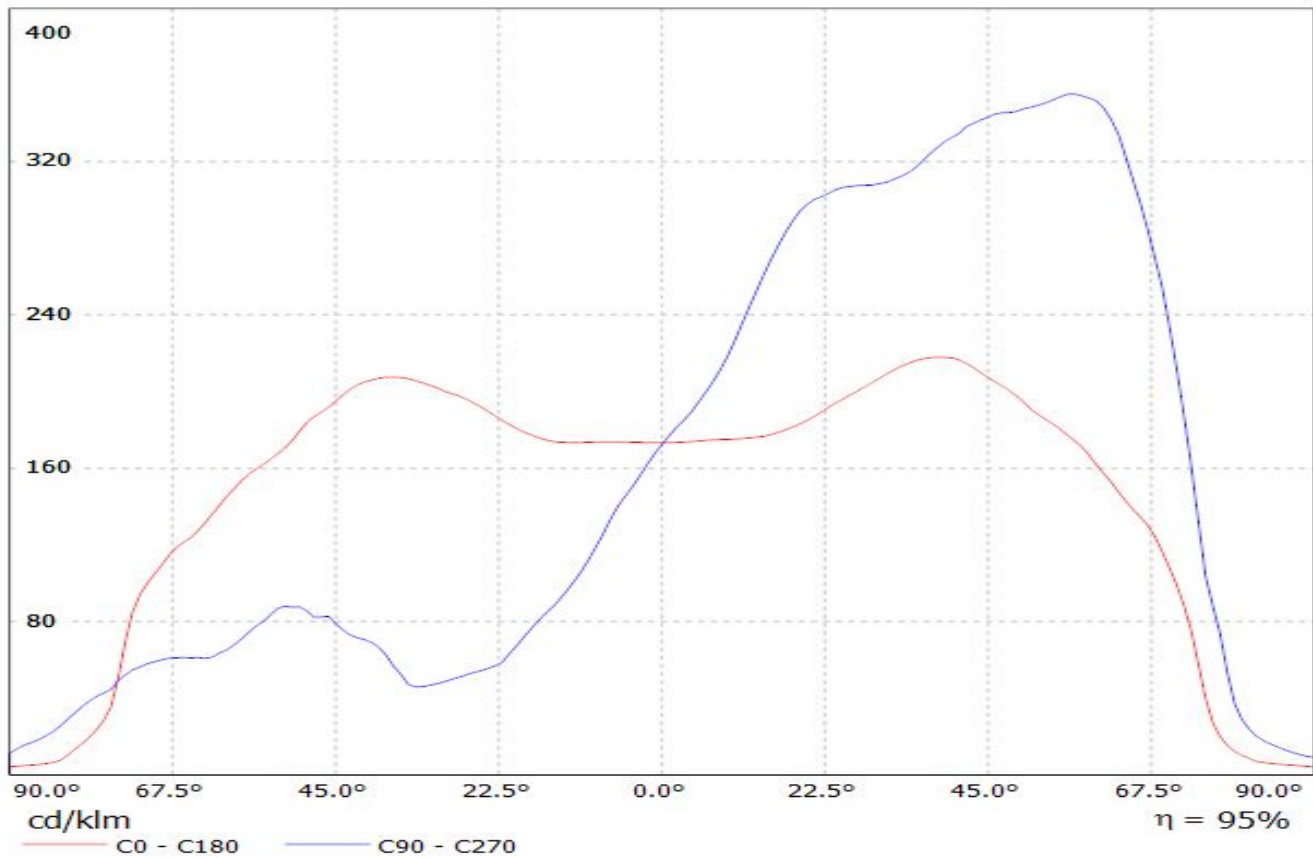
Luminaire: LEDiL Oy C13604_STRADA-2X2-FN_(XM-L) Eff. 94%
Lamps: 1 x Cree XM-L 355.205lm@250mA P=2.83062W I=0.2499A



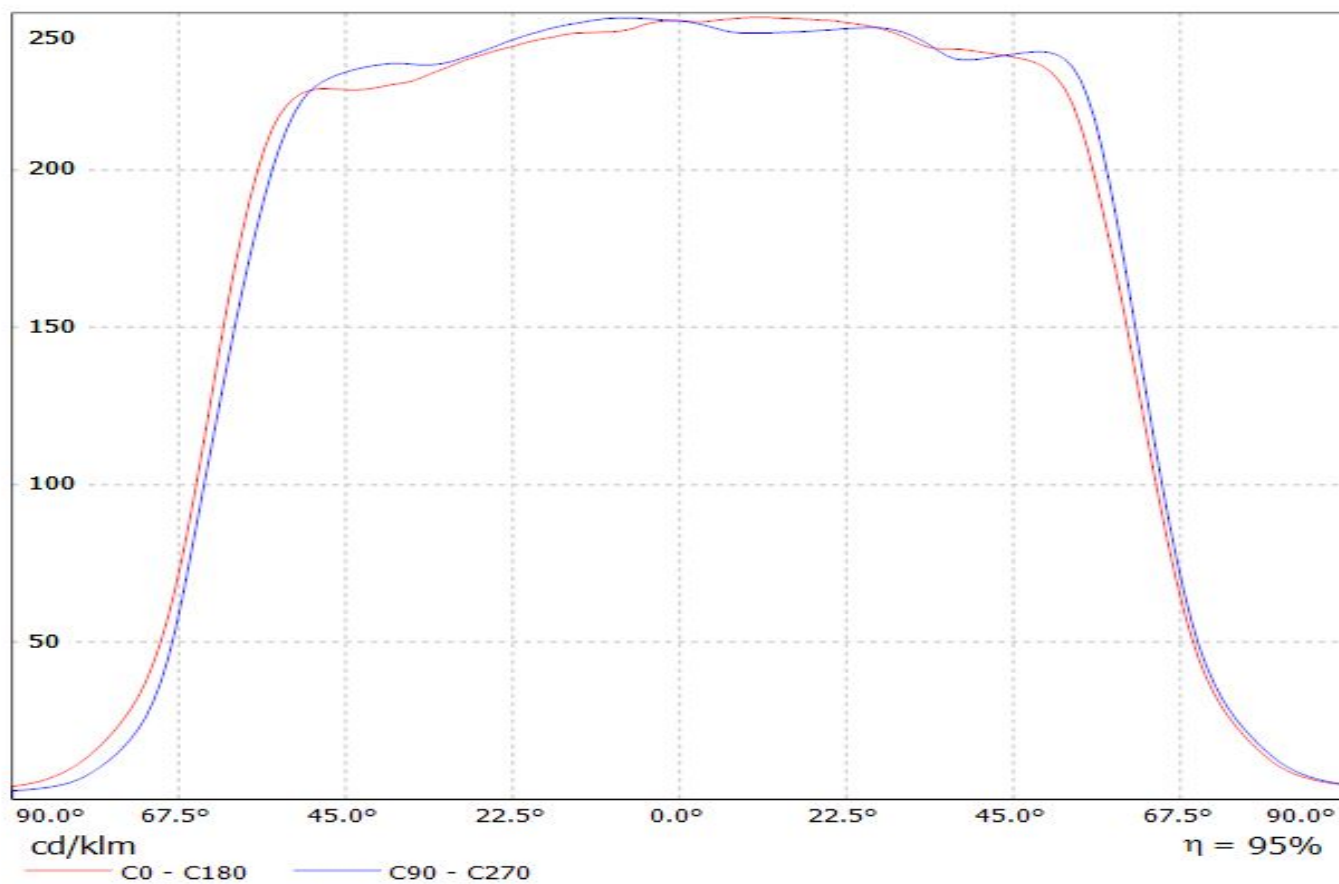
Luminaire: LEDiL Oy C13699_STRADA-2X2-DN_(XM-L)
Lamps: 1 x CREE_XM-L_355.387lm@250mA



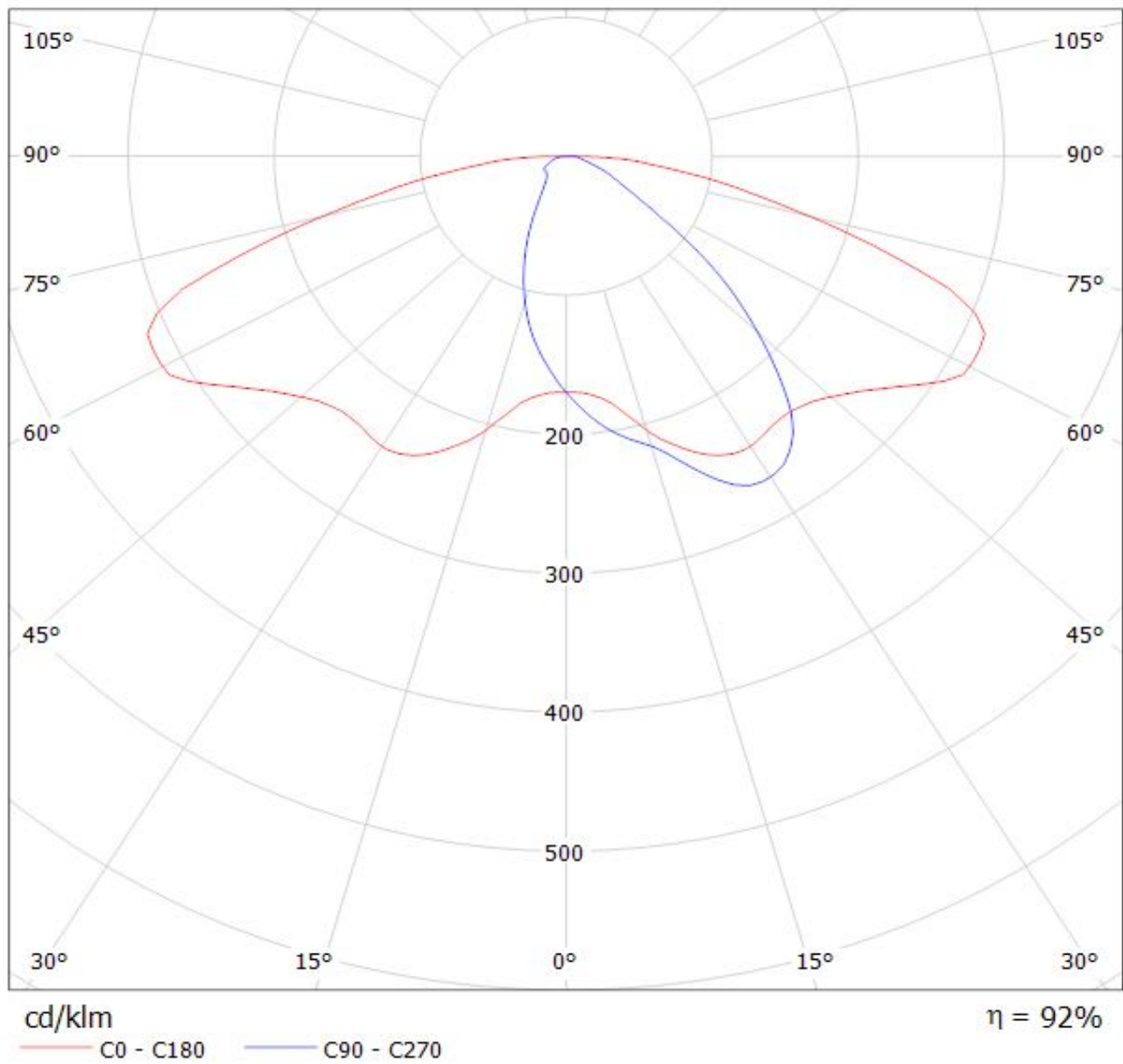
Luminaire: LEDiL Oy C13805_STRADA-2X-T4 (XM-L)_4 Eff.94.8%
Lamps: 1 x CREE_XM-L_2x2_354.749lm@250mA_P=2.82762W_I=249.9mA



Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XM-L) Eff. 94%
Lamps: 1 x CREE_XM-L_2x2_354.749lm@250mA_P=2.82762W_I=249.9mA



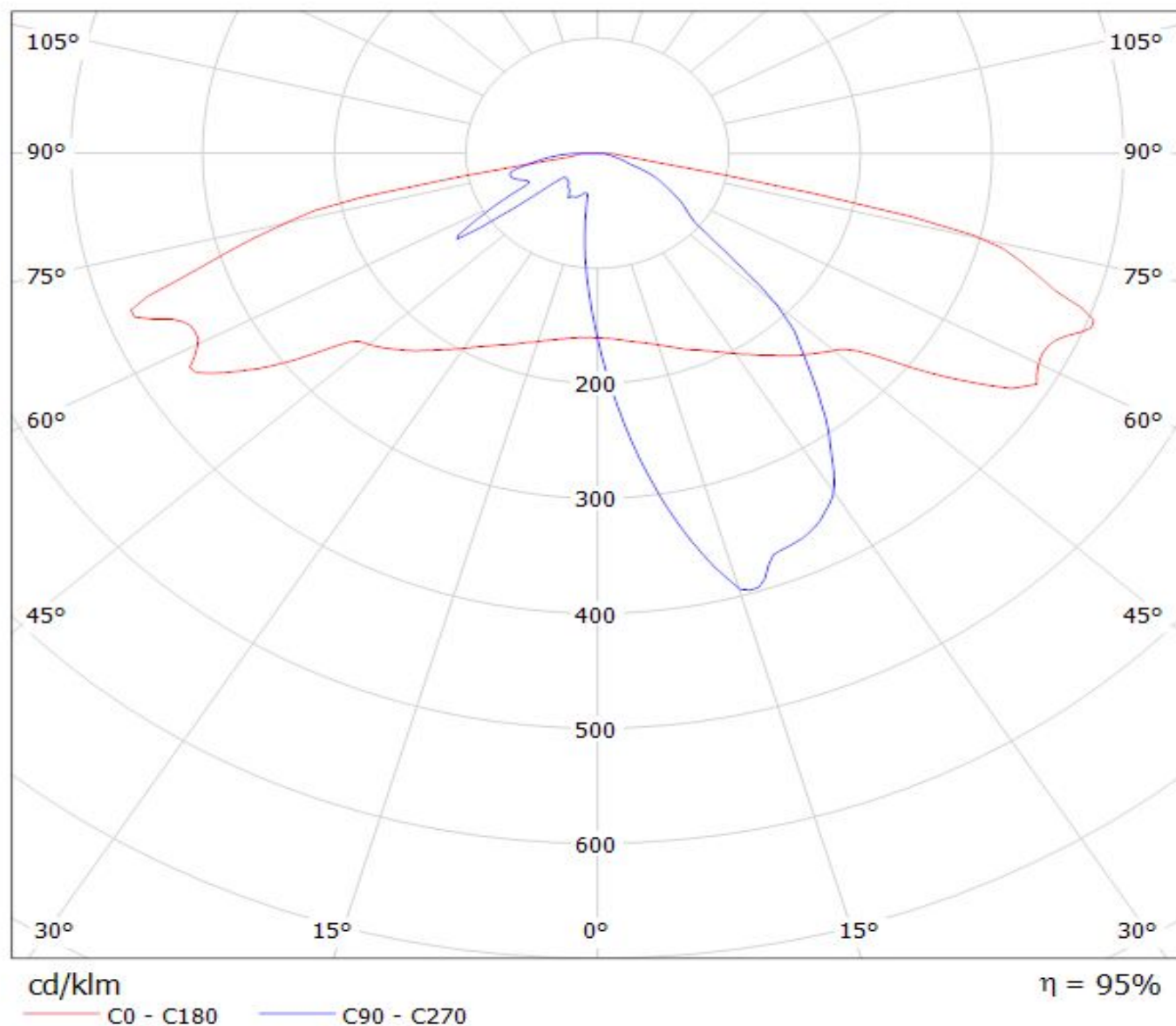
Luminaire: Ledil Oy C12360_Strada-2x2-DNW-XM-L Eff.93%
Lamps: 1 x Cree XM-L 400lm@250mA



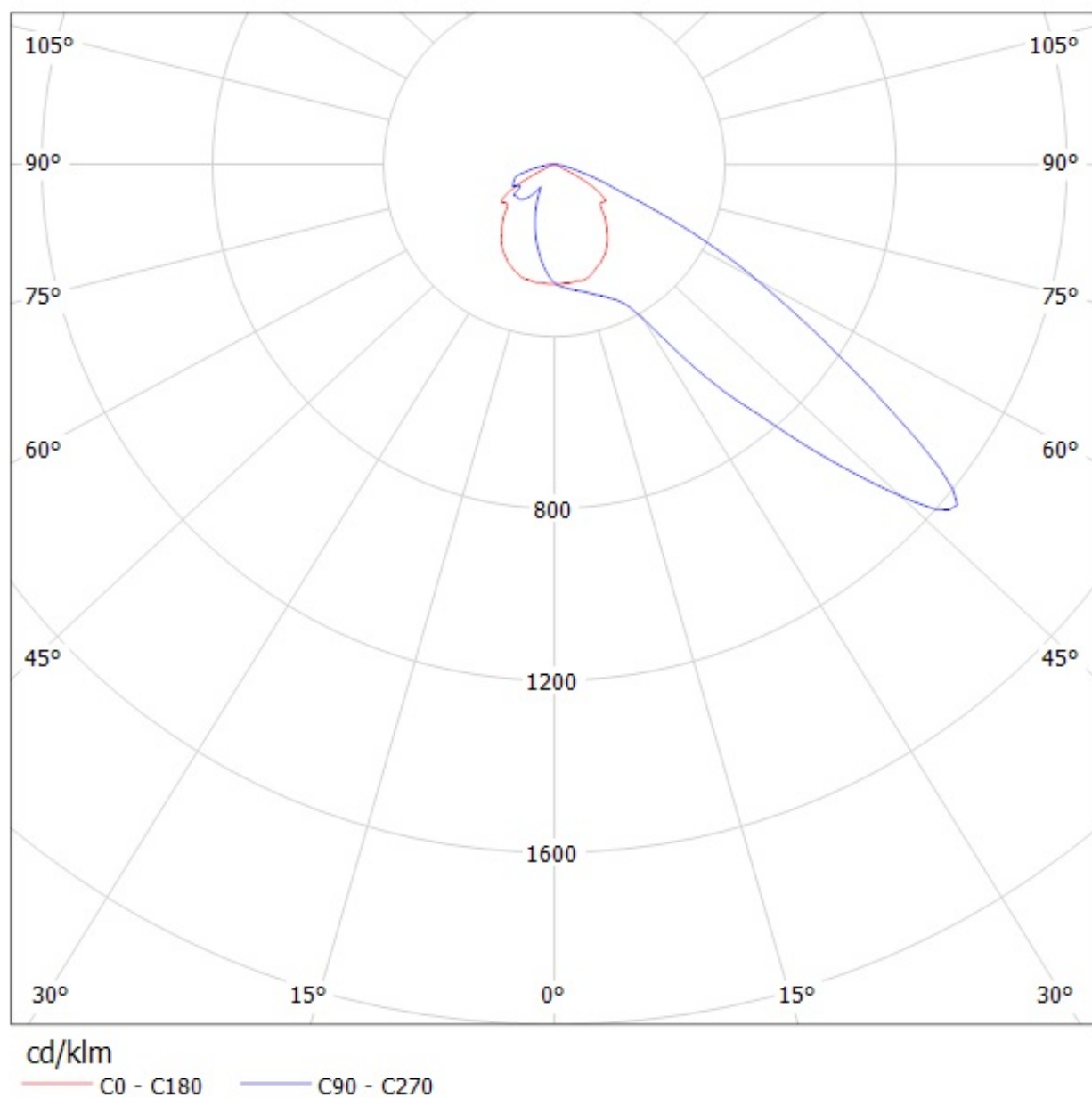
LEDiL Oy C13300_STRADA-2X2-T2_(XM-L) Eff.95.1% / LDC (Polar)

Luminaire: LEDiL Oy C13300_STRADA-2X2-T2_(XM-L) Eff.95.1%

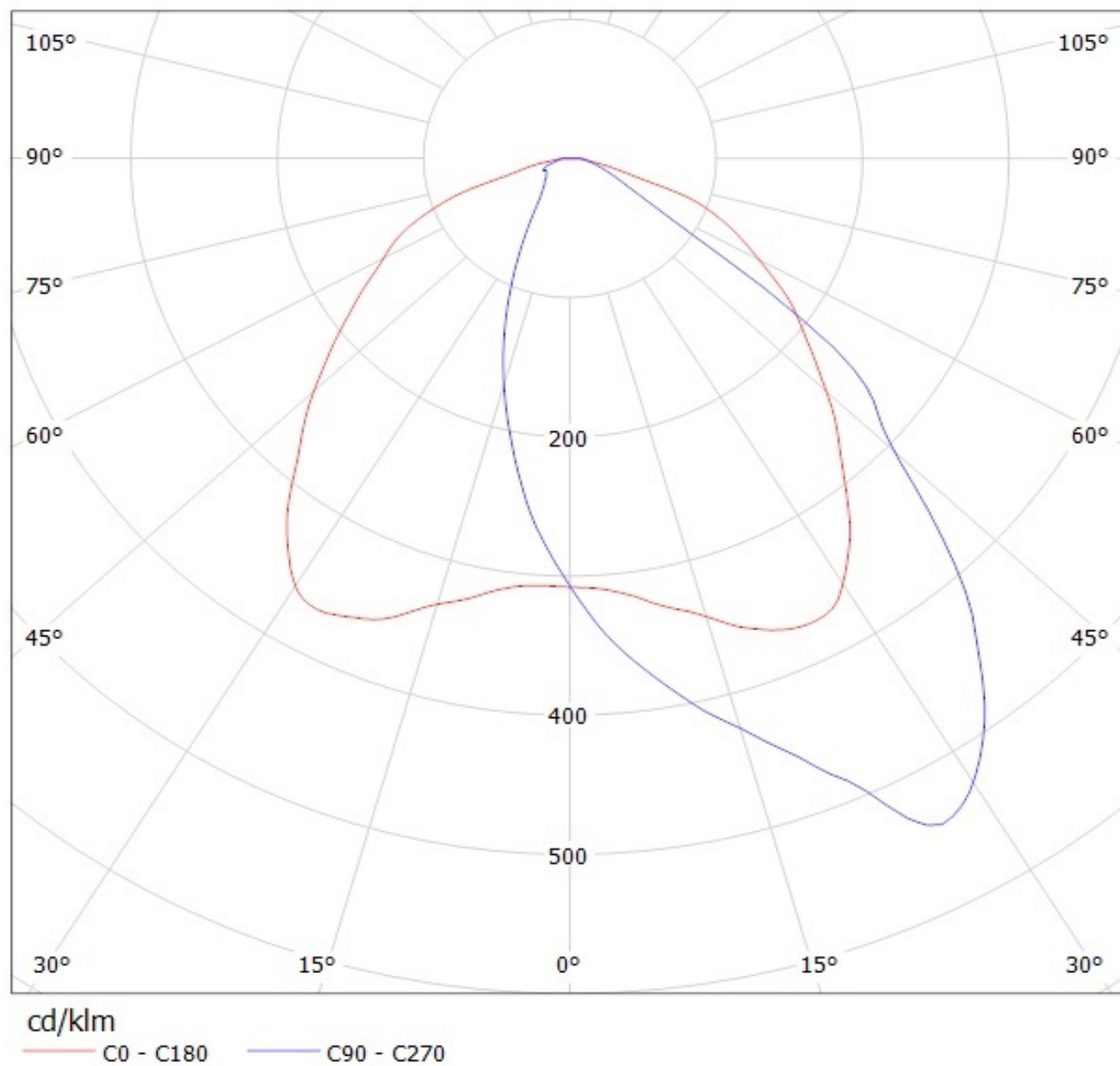
Lamps: 1 x XM-L (357lm@250mA)



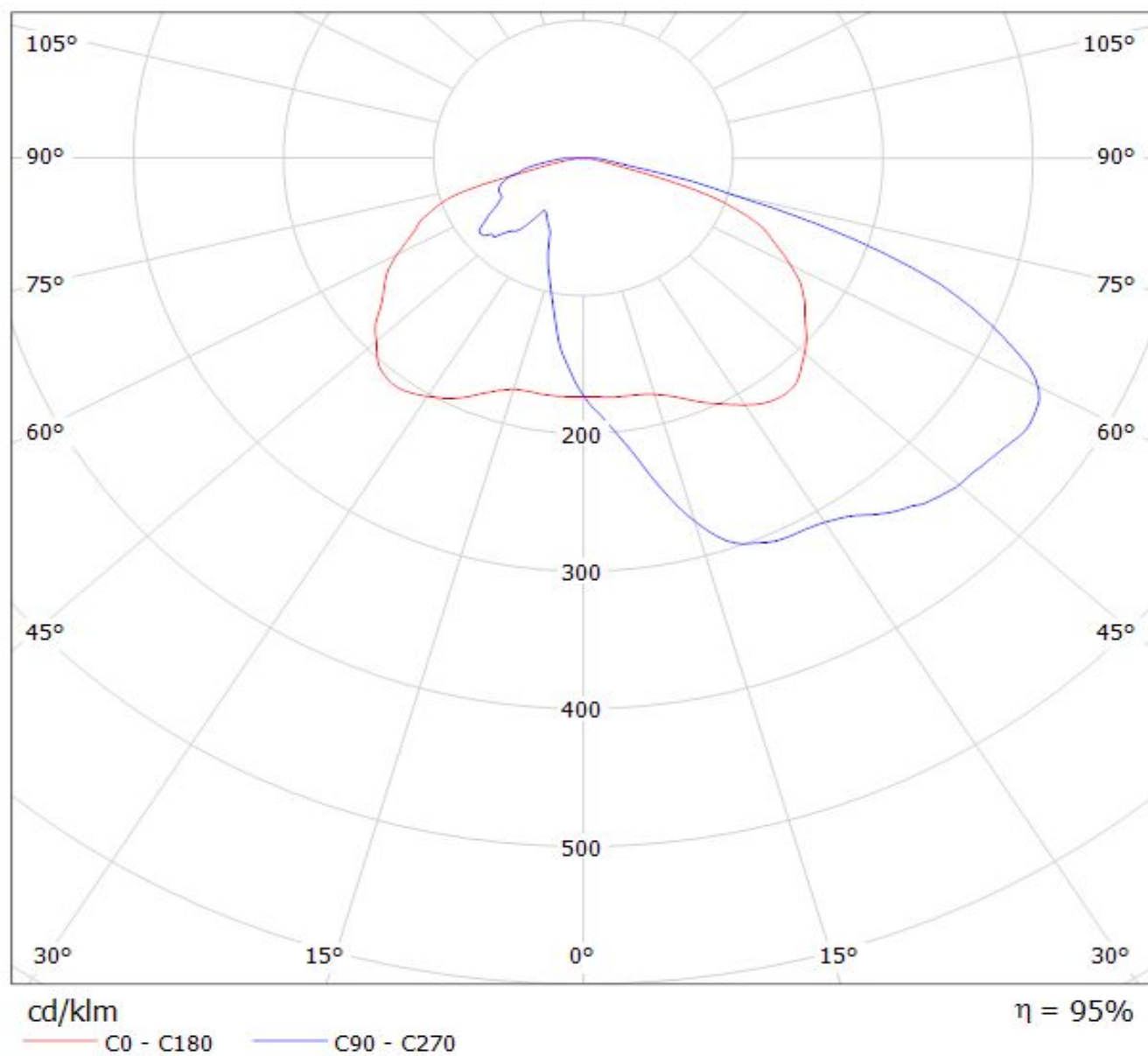
Luminaire: LEDiL Oy C13604_STRADA-2X2-FN_(XM-L) Eff: 94%
Lamps: 1 x Cree XM-L 355.205lm@250mA P=2.83062W I=0.2499A



Luminaire: LEDiL Oy C13699_STRADA-2X2-DN_(XM-L)
Lamps: 1 x CREE_XM-L_355.387lm@250mA



Luminaire: LEDiL Oy C13805_STRADA-2X-T4 (XM-L)_4 Eff.94.8%
Lamps: 1 x CREE_XM-L_2x2_354.749lm@250mA_P=2.82762W_I=249.9mA



Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XM-L) Eff. 94%
Lamps: 1 x CREE_XM-L_2x2_354.749lm@250mA_P=2.82762W_I=249.9mA

