

DETAILS

Product Number	CA13758_STRADA-SQ-FS-NP
Family	Strada-SQ
Type	Assembly
Color	clear
Diameter	25x25 mm
Height	12,6 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	tape
Status	ready
ROHS Compliant	Yes
Date Updated	26/08/2014



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
LUXEON MZ	Asym deg	Asymmetric	93 %	1.200	-
XHP70	Asym deg	Asymmetric	80 %	0.620	: Protective Plate, Glass
XP-L	Asymmetric deg	Asymmetric	93 %	1.100	-
MK-R	Asym deg	Asymmetric	93 %	0.900	-
LUXEON M	Asym deg	Asymmetric	92 %	0.900	-
XHP50	Asymmetric deg	Asymmetric	94 %	0.900	-
XM-L	Asym deg	Asymmetric	93 %	1.200	-
XT-E	Asym deg	Asymmetric	93 %	1.200	-

D

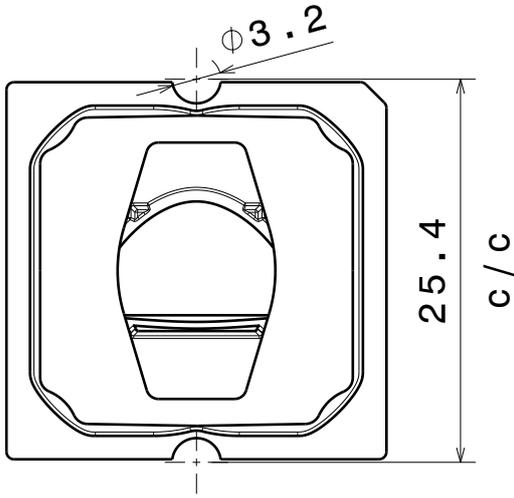
C

B

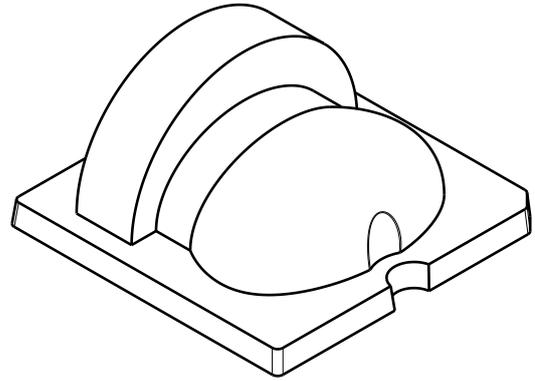
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4

4



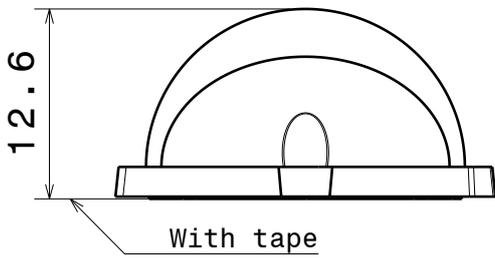
Bottom view



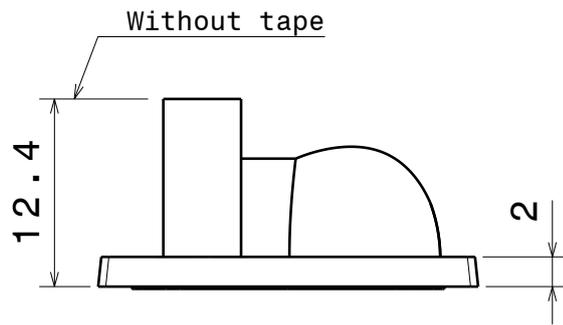
Isometric view

3

3



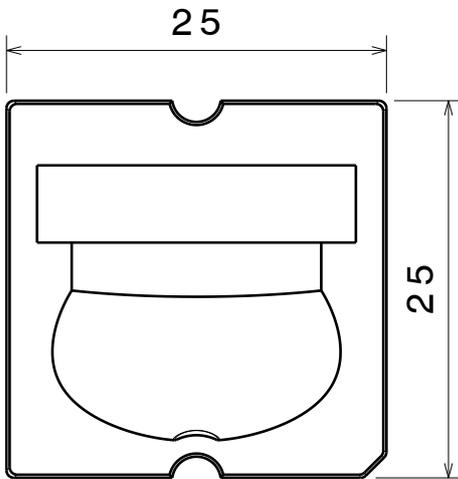
Front view



Left view

2

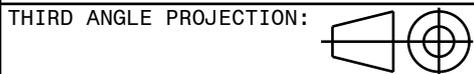
2



Top view

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**
STRADA-SQ-FS-NP

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SIZE	PART NUMBER		
A4	-		
SCALE	2:1	WEIGHT	- g
SHEET		1/1	

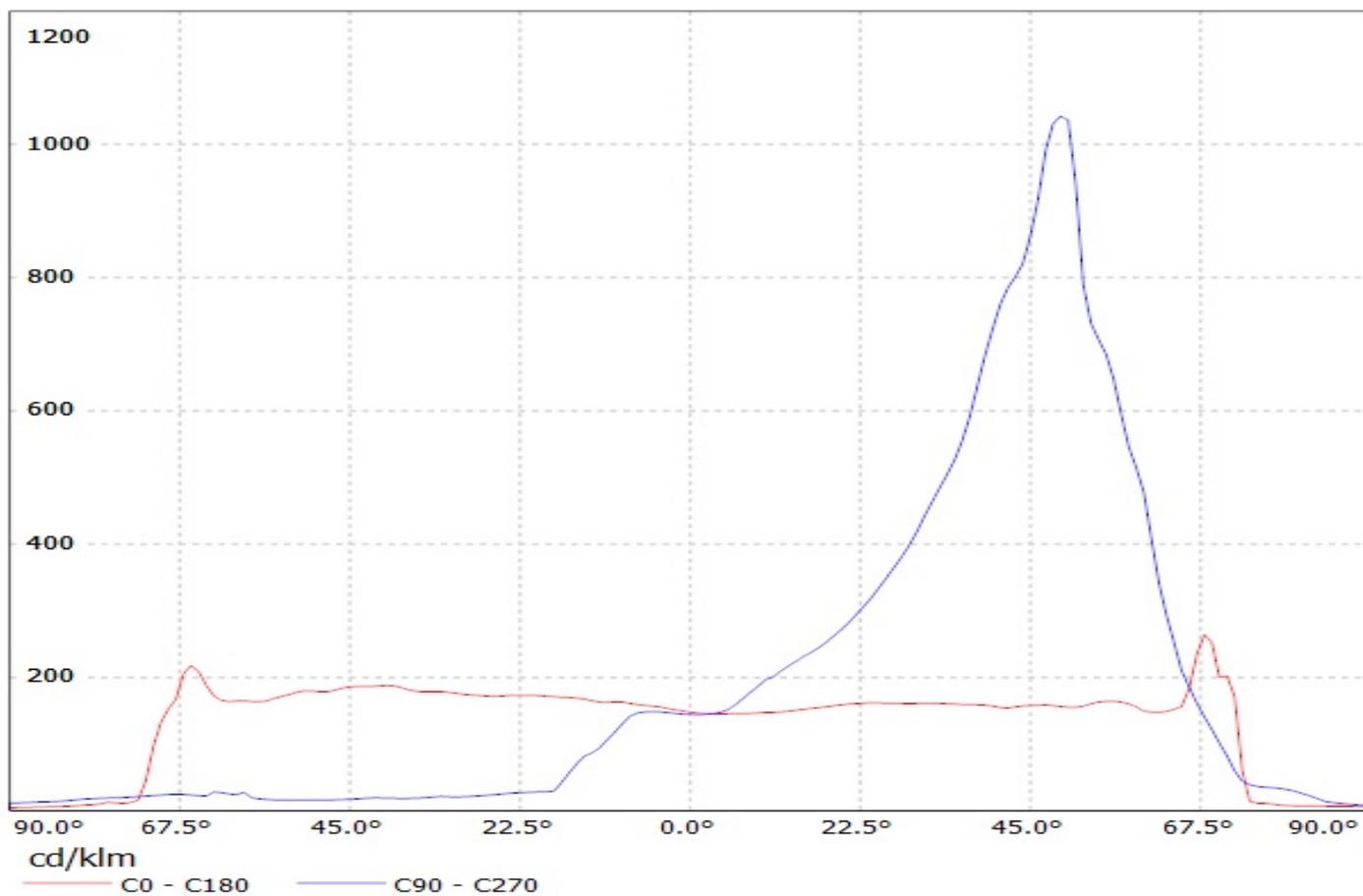
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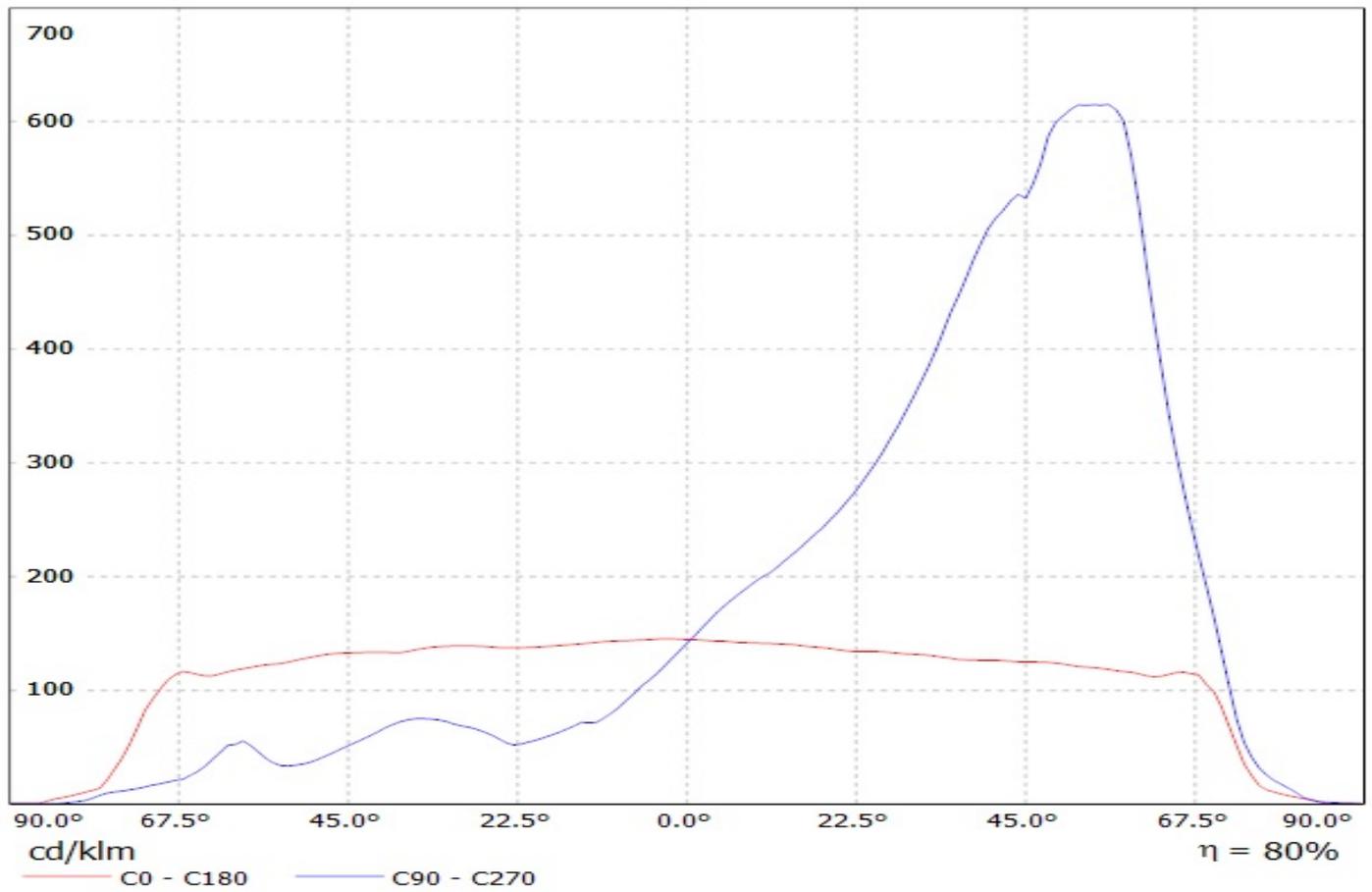
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1

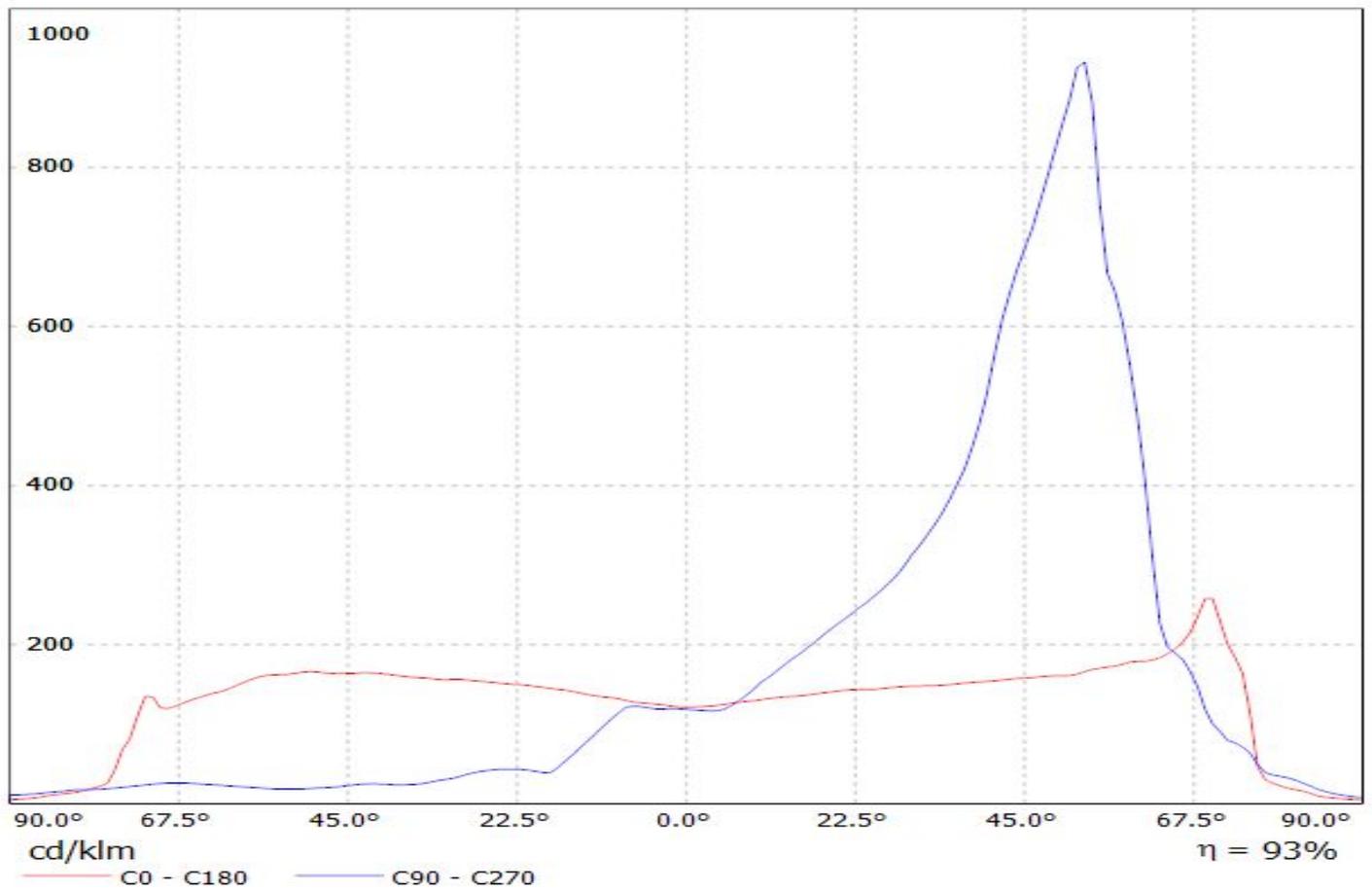
Luminaire: LEDiL Oy CA13758_STRADA-SQ-FS-NP_(Luxeon_MZ) Eff: 93%
Lamps: 1 x Luxeon_MZ_389.815lm@250mA_CCT=3800K_P=2.77989W_I=249.9mA



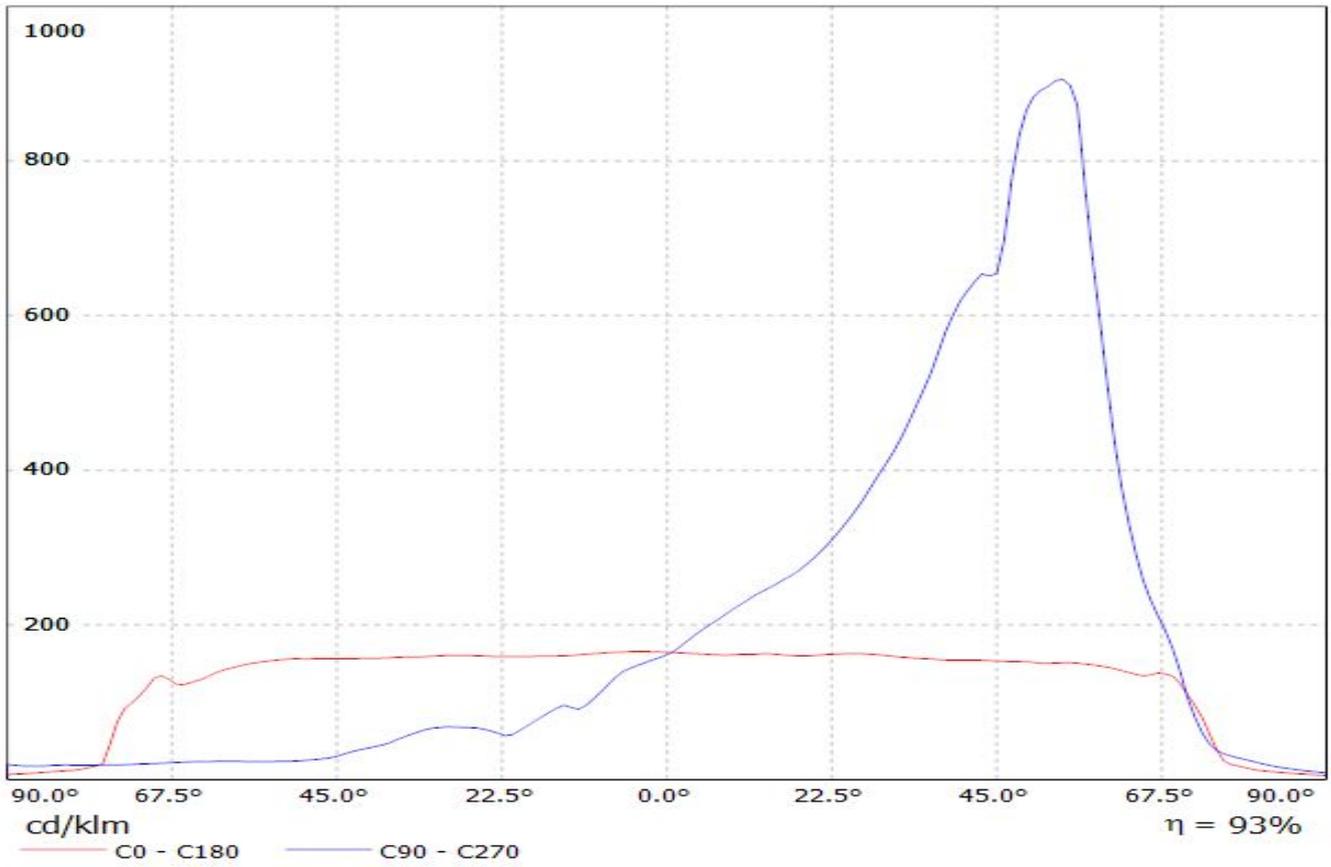
Luminaire: LEDiL Oy CA13758_STRADA-SQ-FS-NP_(XHP70)_glass
Lamps: 1 x Cree_XHP70_glass-chassis_260.488lm@250mA_P=1.38405W_I=0.2499A



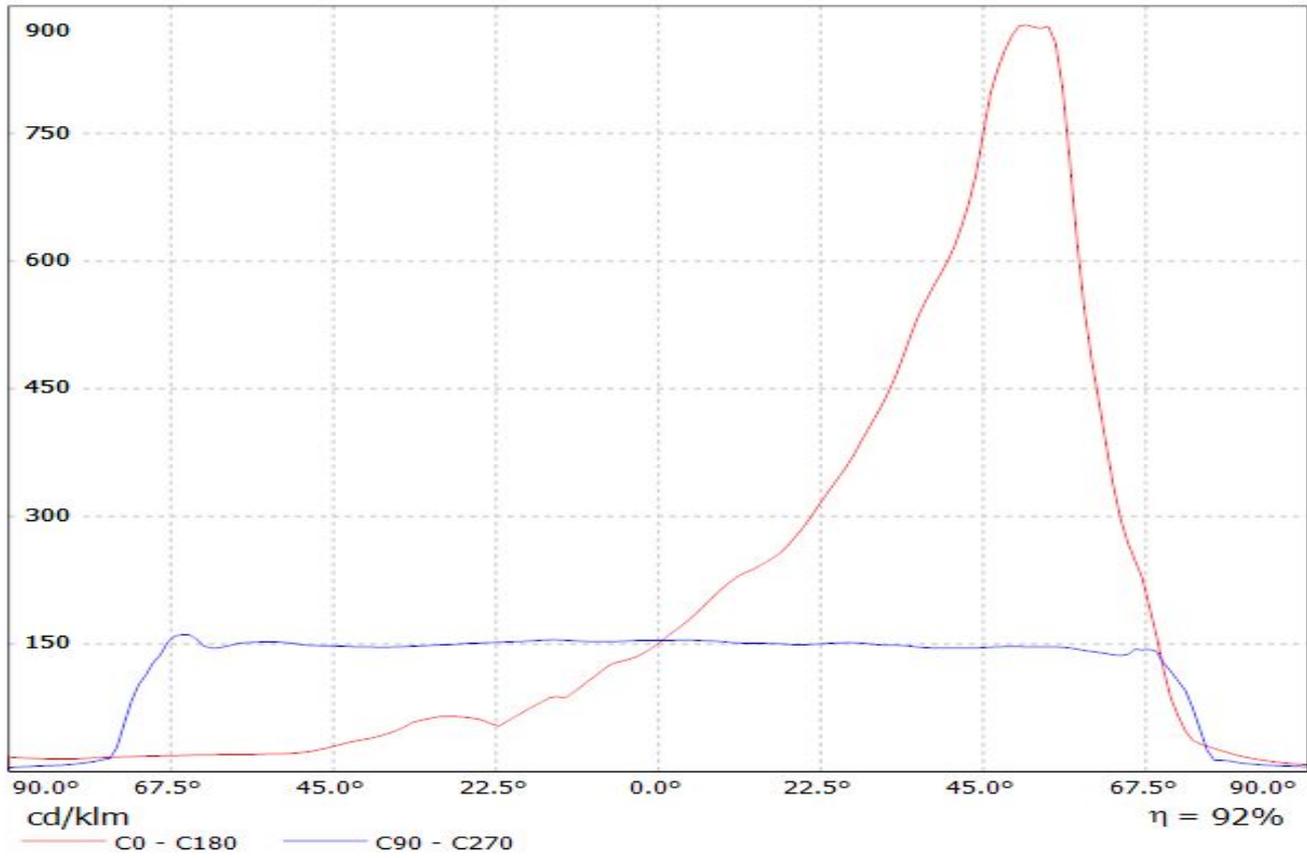
Luminaire: LEDiL Oy CA13758_STRADA-SQ-FS-NP_(XP-L)
Lamps: 1 x Cree_XP-L_125.584lm@250mA_P=0.738255W_I=249.9mA



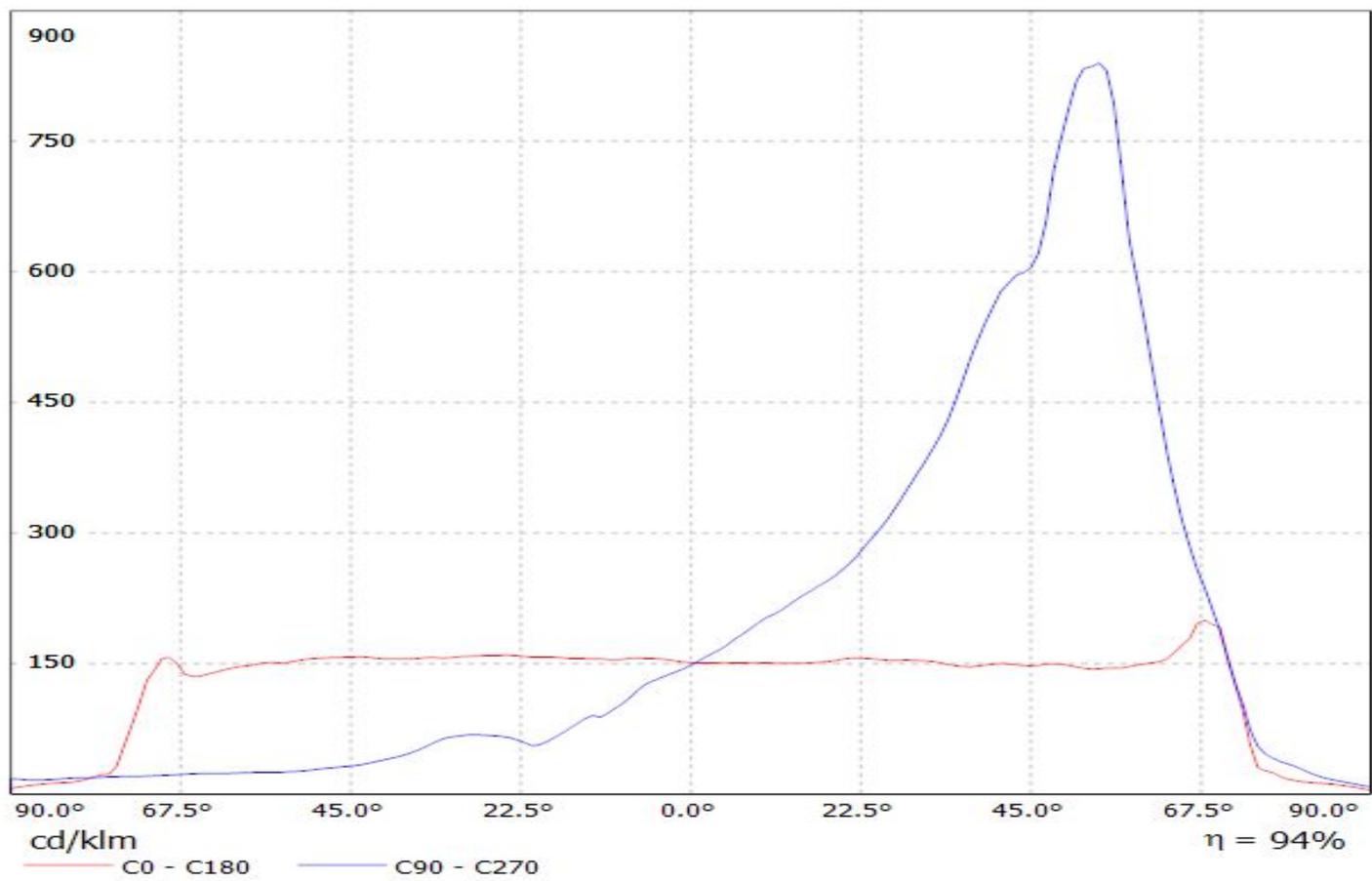
Luminaire: LEDiL Oy CA13758_STRADA-SQ-FS-NP_(MK-R)
Lamps: 1 x CREE_MK-R_358.348lm@250mA_P=2.84311W_I=249.9mA



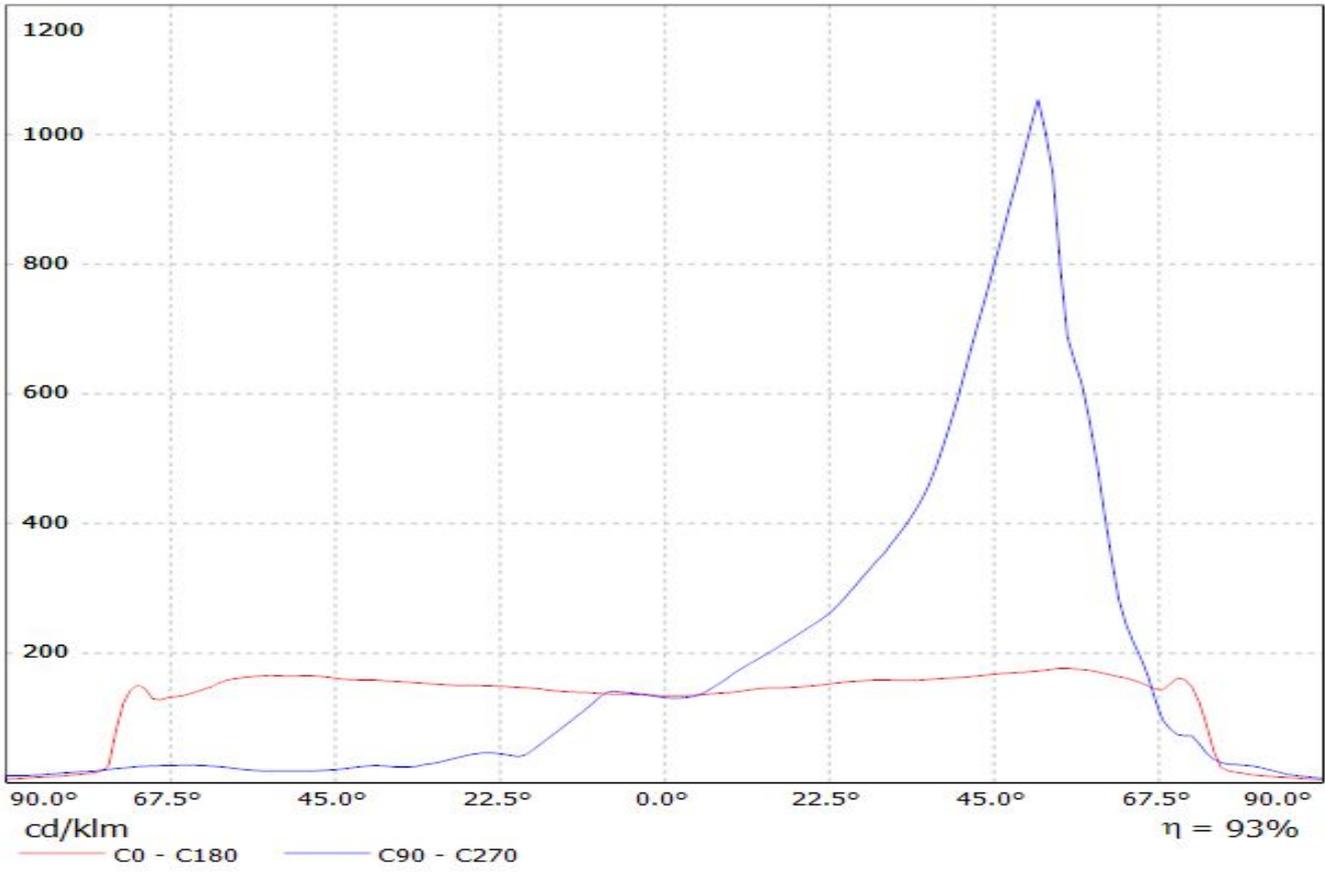
Luminaire: LEDiL Oy CA13758_STRADA-SQ-FS-NP_(LUXEON_M) Eff.92.4%
Lamps: 1 x LUXEON_M_349.54lm@250mA_CCT=4092K_P=2.72807W_I=249.8mA



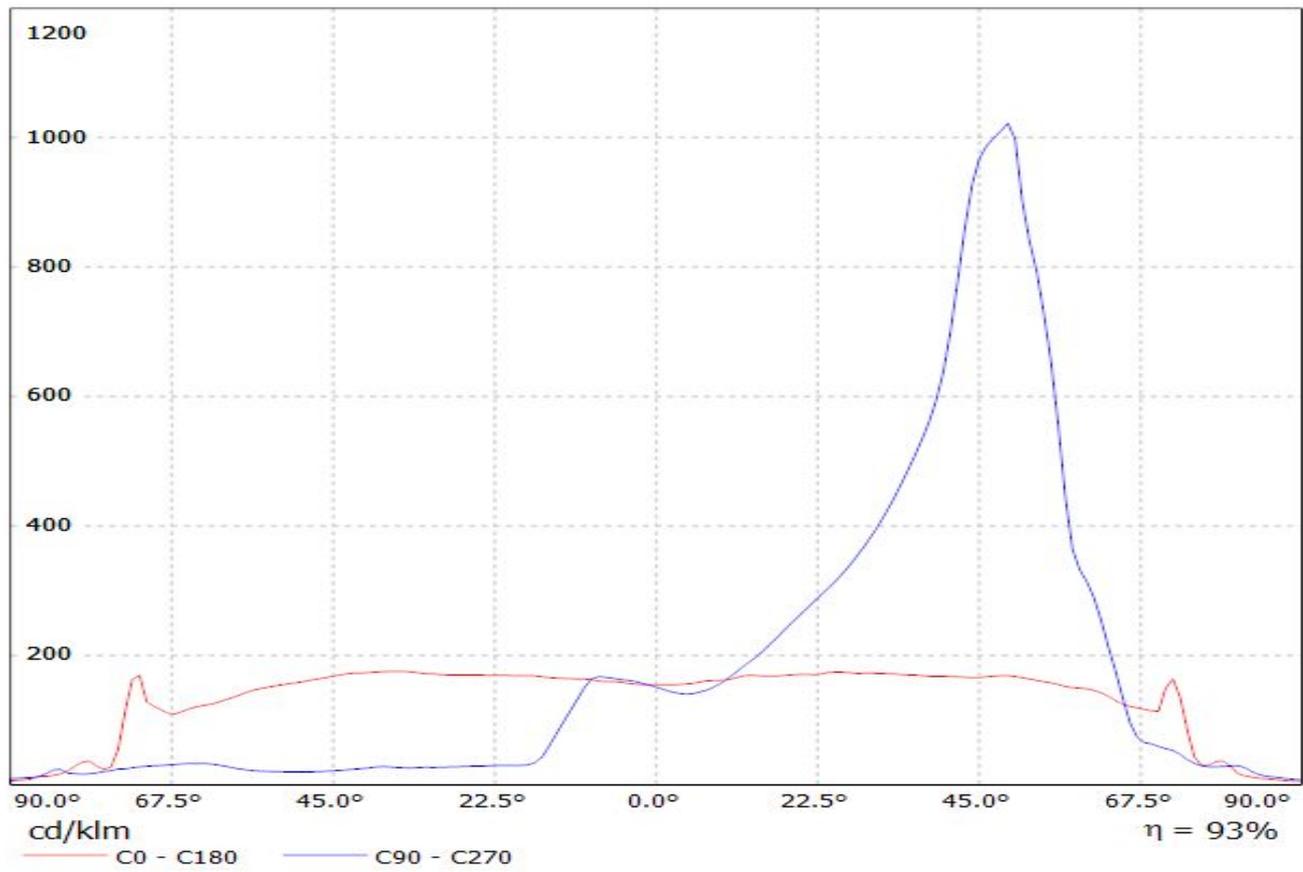
Luminaire: LEDiL Oy CA13758_STRADA-SQ-FS-NP_(Cree_XHP50_cool_white)
Lamps: 1 x Cree_XHP50_cool_white_243.713lm@250mA_P=1.42945W_I=0.2499A



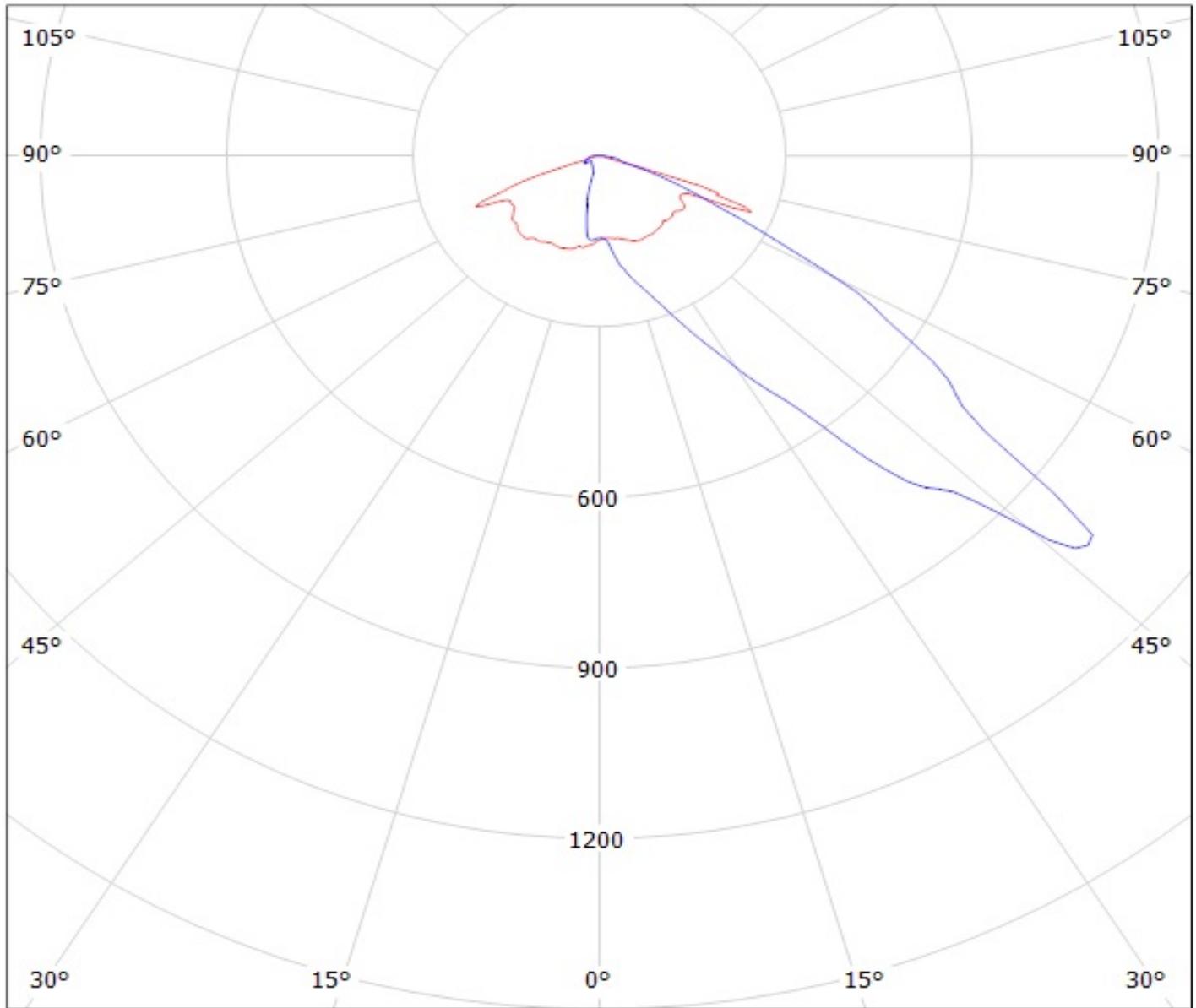
Luminaire: LEDiL Oy CA13758_STRADA-SQ-FS-NP_(XM-L) Eff.93.1%
Lamps: 1 x CREE_XM-L_(XMLAWT-00-0000-0000T6051)_100.386lm@259mA_P=0.724735W_I=249.9mA



Luminaire: LEDiL Oy CA13758_STRADA-SQ-FS-NP_(XT-E) Eff.93.0%
Lamps: 1 x CREE_XT-E_(XTEAWT-00-0000-00000HBE8)_73.2149lm@250mA_P=0.779476W_I=249.9mA



Luminaire: LEDiL Oy CA13758_STRADA-SQ-FS-NP_(Luxeon_MZ) Eff: 93%
Lamps: 1 x Luxeon_MZ_389.815lm@250mA_CCT=3800K_P=2.77989W_I=249.9mA



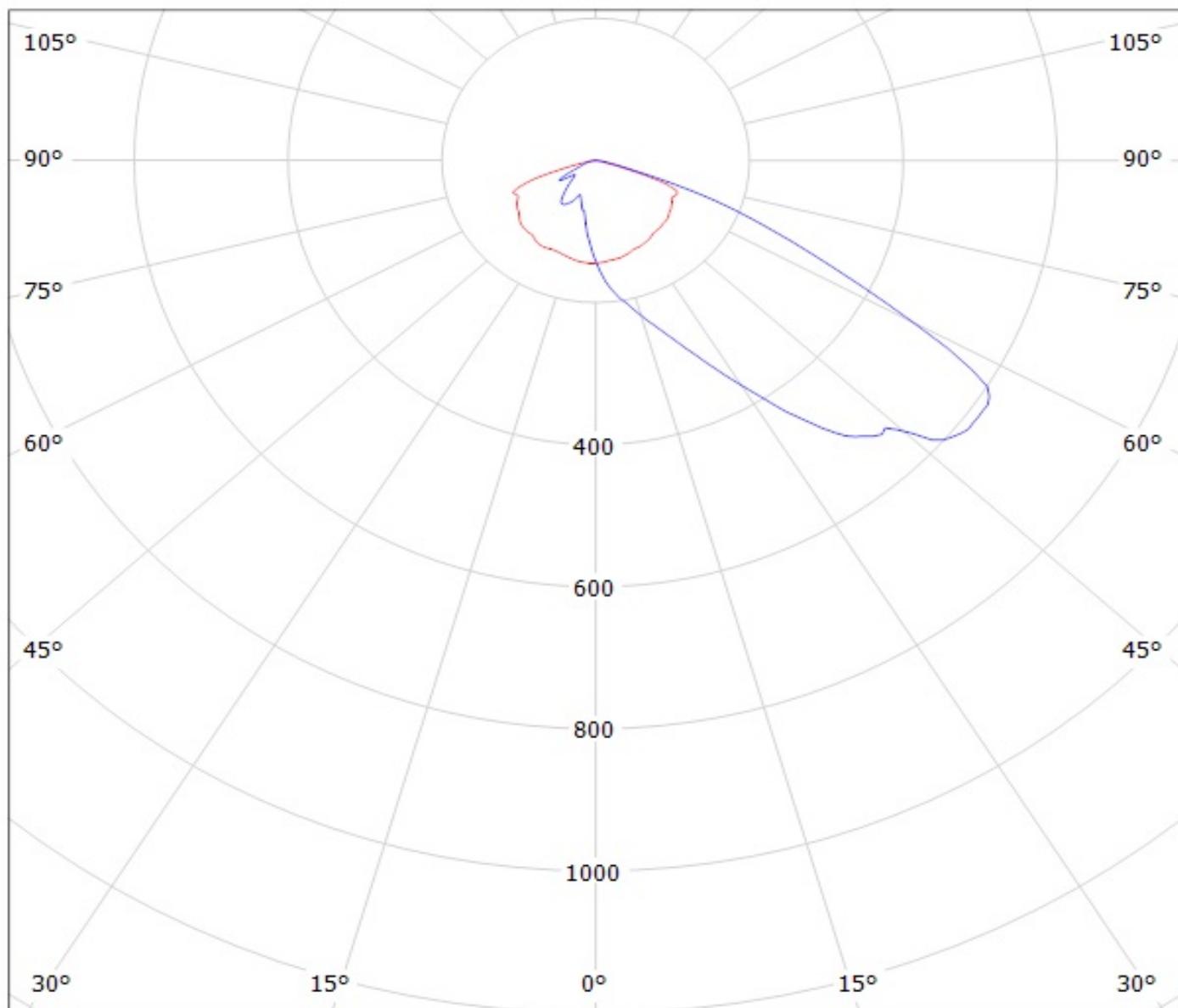
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA13758_STRADA-SQ-FS-NP_(XHP70)_glass

Lamps: 1 x Cree_XHP70_glass-chassis_260.488lm@250mA_P=1.38405W_I=0.2499A



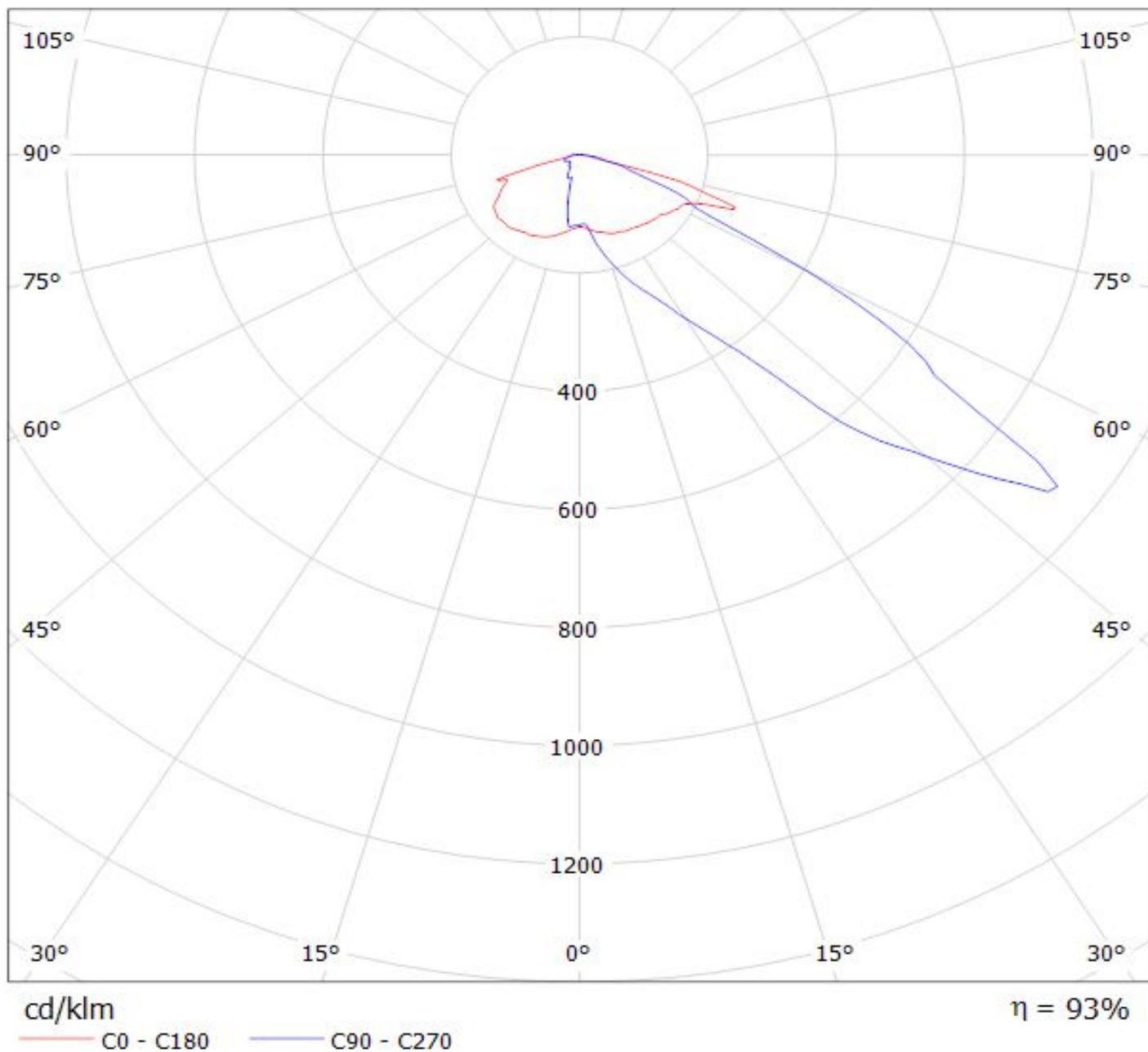
cd/klm

$\eta = 80\%$

— C0 - C180

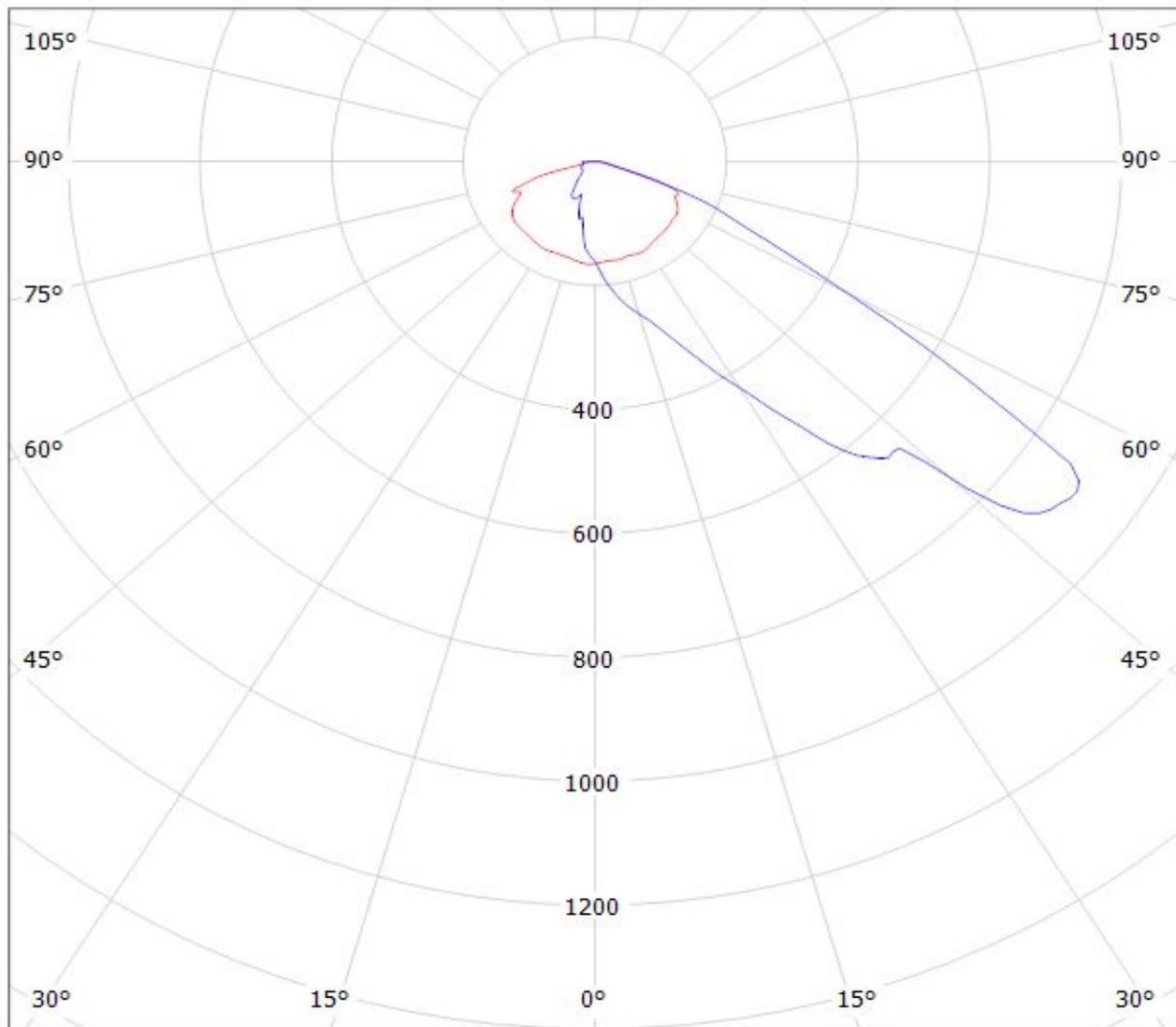
— C90 - C270

Luminaire: LEDiL Oy CA13758_STRADA-SQ-FS-NP_(XP-L)
Lamps: 1 x Cree_XP-L_125.584lm@250mA_P=0.738255W_I=249.9mA



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Lamps: 1 x CREE_MK-R_358.348lm@250mA_P=2.84311W_I=249.9mA



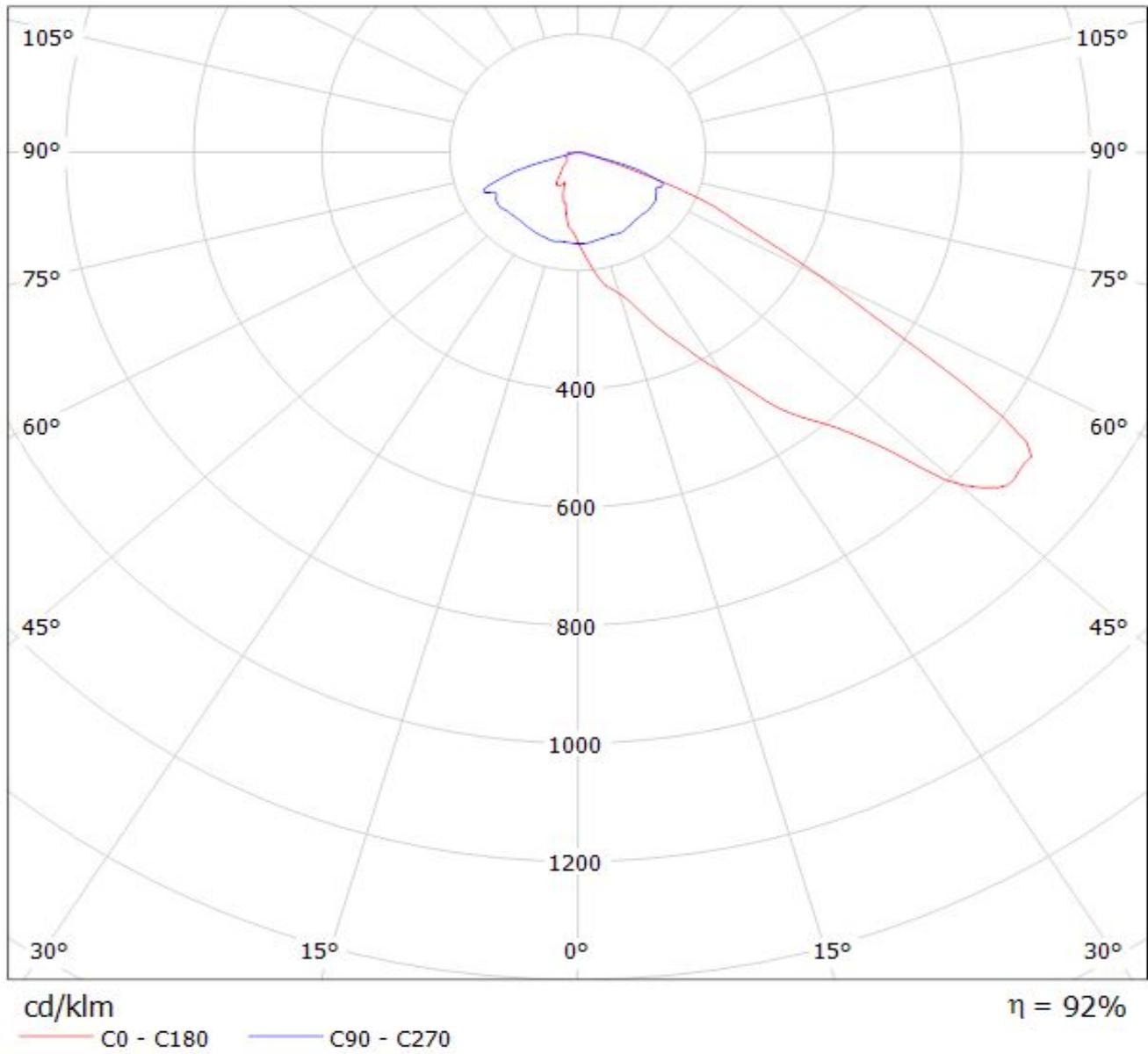
cd/klm

$\eta = 93\%$

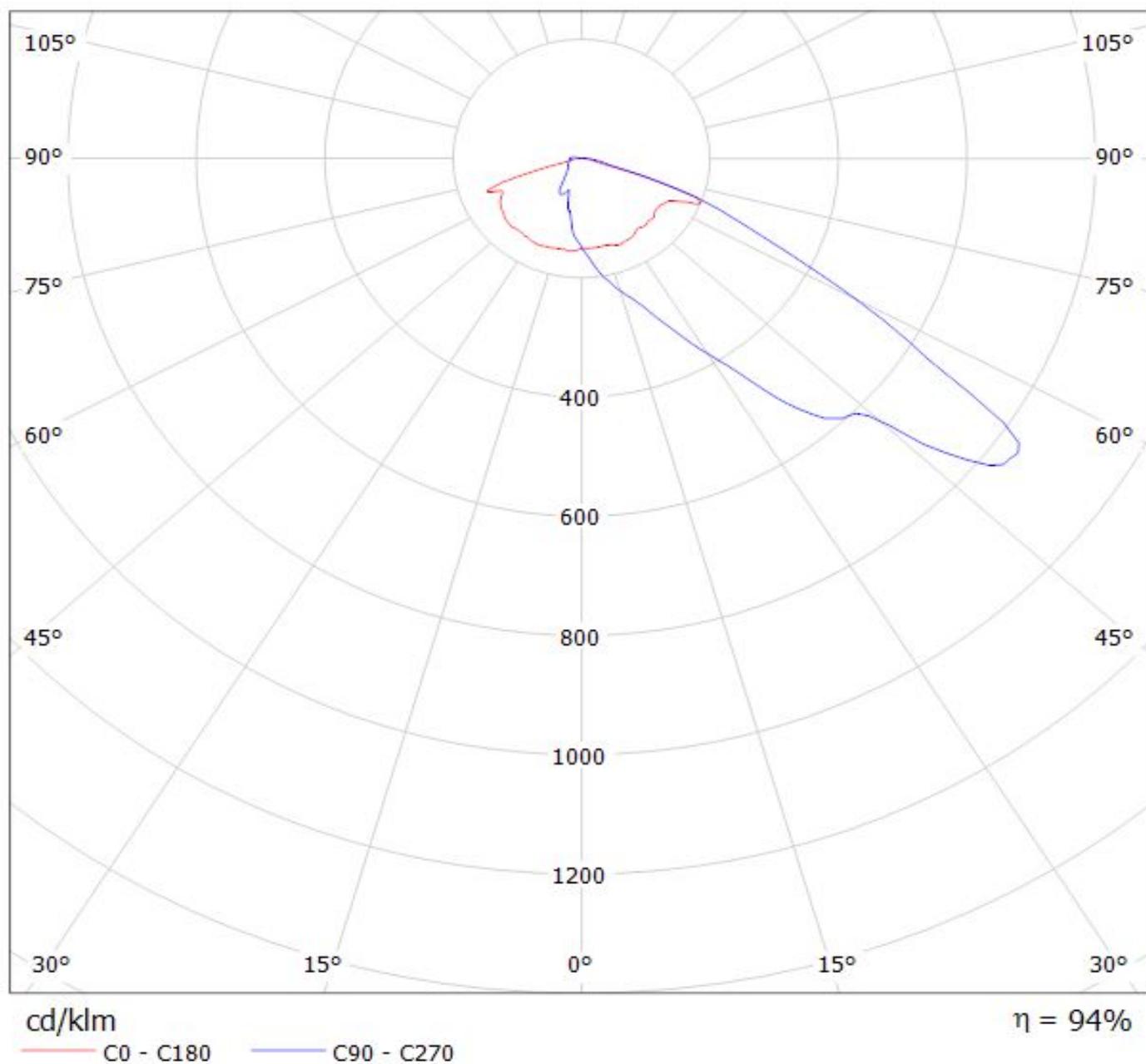
— C0 - C180

— C90 - C270

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Lamps: 1 x LUXEON_M_349.54lm@250mA_CCT=4092K_P=2.72807W_I=249.8mA

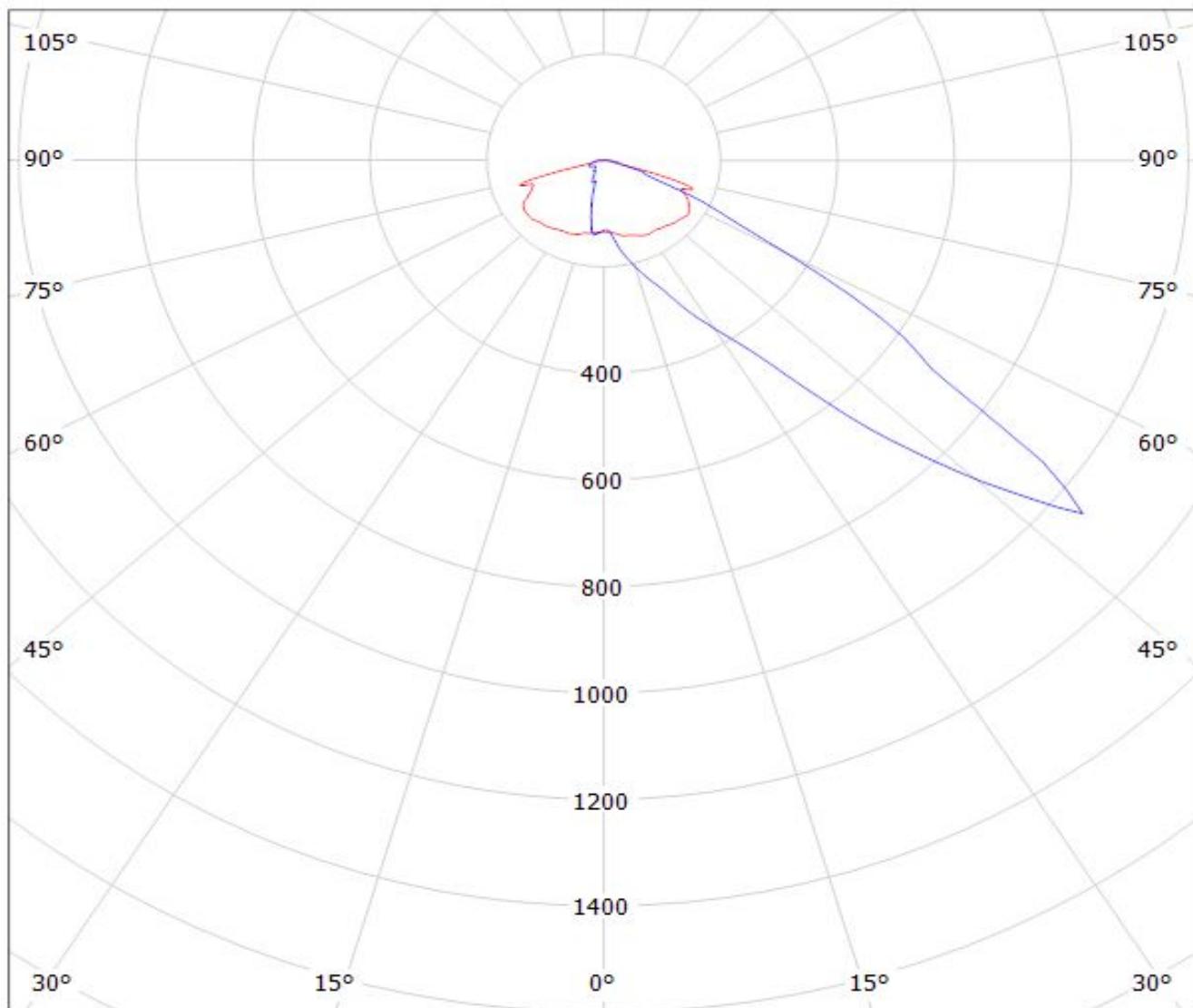


Luminaire: LEDiL Oy CA13758_STRADA-SQ-FS-NP_(Cree_XHP50_cool_white)
Lamps: 1 x Cree_XHP50_cool_white_243.713lm@250mA_P=1.42945W_I=0.2499A



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Lamps: 1 x CREE_XM-L_(XMLAWT-00-0000-0000T6051)_100.386lm@259mA_P=0.724735W_I=249.9mA



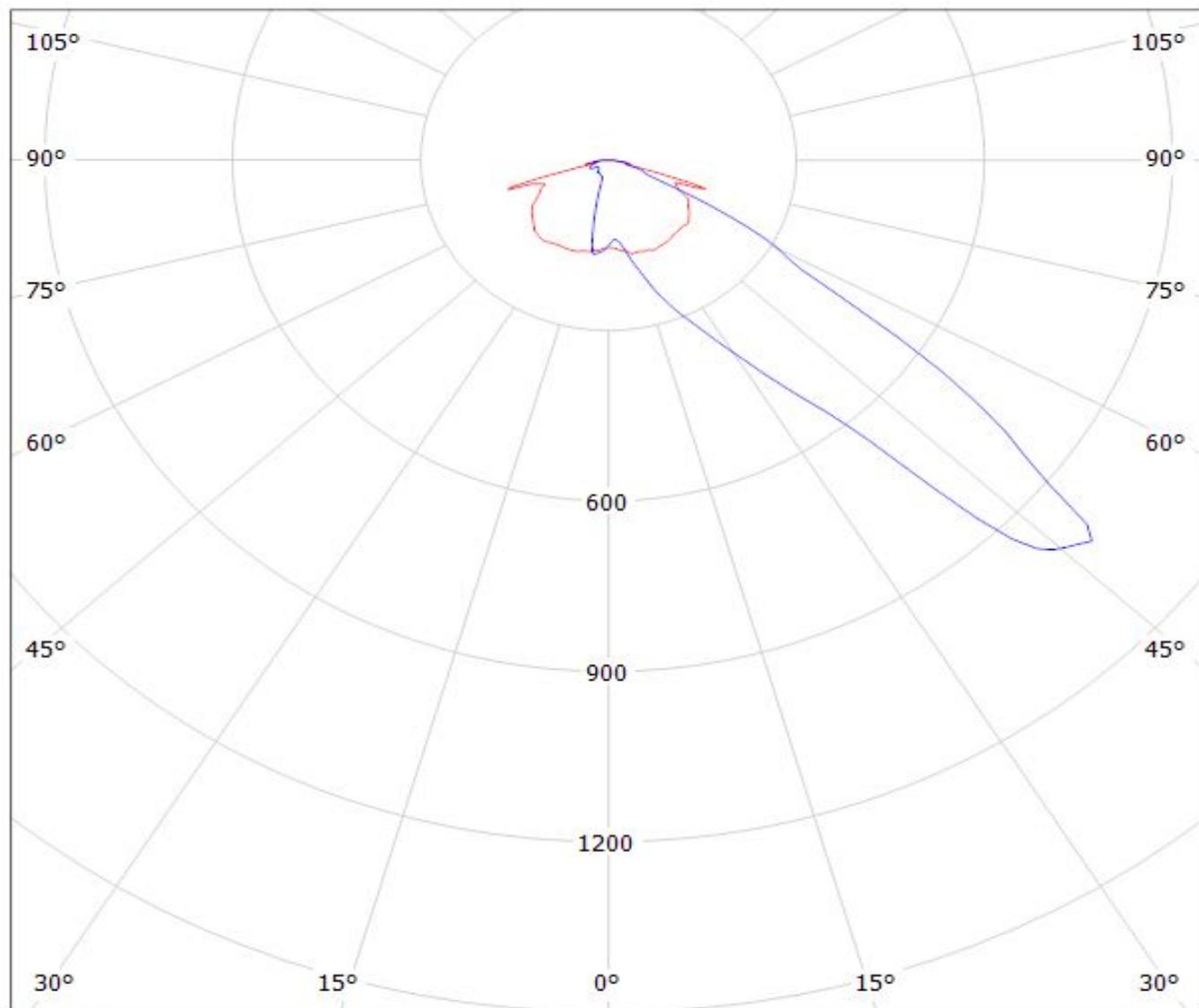
cd/klm

$\eta = 93\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CA13758_STRADA-SQ-FS-NP_(XT-E) Eff.93.0%

Lamps: 1 x CREE_XT-E_(XTEAWT-00-0000-00000HBE8)_73.2149lm@250mA_P=0.779476W_I=249.9mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

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.