
Product number C14680_STRADA-2X2-VSM

Family	Strada-Module	FWHM	(simulated) 150
Type	Lens	Efficiency	(simulated) 93 %
LED	XP-G2	cd/lm	(simulated) 0.430
Color	Clear	Gerber File	Available
Diameter	50 x 50 mm	Symmetrical wide square beam. (IESNA Type VS)	
Height	6.14 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "glue", "pin"]		
Status	Production ready		


Product number C15014_STRADA-2X2-T4-B

Family	Strada-Module	FWHM	(simulated) Asymmetric
Type	Lens	Efficiency	-
LED	XP-G2	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	9.02 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "pin"]		
Status	Production ready		


Product number FN15180_STRADA-2X2S-T3

Family	Strada-Module	FWHM	(simulated) Asymmetric
Type	Pack	Efficiency	(simulated) 90 %
LED	XP-G2	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	50+50 mm	iesna type 3 medium light distribution in typical setup.	
Height	7.23 mm	M3 screw with ~7mm washer recommended.	
Style	Rectang		
Optic Material	Silicone		
Holder Material	-		
Fastening	["screw"]		
Status	Promotion		


Product number C12360_STRADA-2X2-DNW

Family	Strada-Module	FWHM	asymmetric degrees
Type	Lens array	Efficiency	94 %
LED	XP-G2	cd/lm	0.600
Color	Clear	Gerber File	Available
Diameter	50x50 mm	http://oemwebshop.philips.com/fortimo-fastflex-led-bo	
Height	11.27 mm	ard-2x8-740-da-g3.html	
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "glue", "pin"]		
Status	Production ready		


Product number C12362_STRADA-2X2-DWC

Family	Strada-Module	FWHM	asymmetric degrees
Type	Lens array	Efficiency	94 %
LED	XP-G2	cd/lm	0.700
Color	Clear	Gerber File	Available
Diameter	50x50 mm	http://oemwebshop.philips.com/fortimo-fastflex-led-board-2x8-740-da-g3.html	
Height	6 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin", "screw"]		
Status	Production ready		


Product number C12419_STRADA-2X2-A-T

Family	Strada-Module	FWHM	asymmetric degrees
Type	Lens array	Efficiency	94 %
LED	XP-G2	cd/lm	0.900
Color	Clear	Gerber File	Available
Diameter	50x50 mm	http://oemwebshop.philips.com/fortimo-fastflex-led-board-2x8-740-da-g3.html	
Height	7.3 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "screw", "pin"]		
Status	Production ready		


Product number C13299_STRADA-2X2-ME

Family	Strada-Module	FWHM	Asymmetric degrees
Type	Lens array	Efficiency	94 %
LED	XP-G2	cd/lm	1.100
Color	Clear	Gerber File	Available
Diameter	50 + 50 mm	Designed for European ME road lighting classes. Optimized for luminaires using transparent flat cover.	
Height	7.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin", "screw"]		
Status	Production ready		


Product number C13300_STRADA-2X2-T2

Family	Strada-Module	FWHM	Asymmetric degrees
Type	Lens array	Efficiency	91 %
LED	XP-G2	cd/lm	1.000
Color	Clear	Gerber File	Available
Diameter	50 + 50 mm	IESNA Type II Street light optic	
Height	7.7 mm	Suitable for narrow roads and pedestrian pathways.	
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin", "screw"]		
Status	Production ready		

**Product number C13301_STRADA-2X2-T3**

Family	Strada-Module	FWHM	Asymmetric degrees
Type	Lens array	Efficiency	92 %
LED	XP-G2	cd/lm	0.680
Color	Clear	Gerber File	Available
Diameter	50 x 50 mm	IESNA Type III Street light optic	
Height	7.1 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw", "glue"]		
Status	Production ready		

**Product number C13699_STRADA-2X2-DN**

Family	Strada-Module	FWHM	Asymmetric degrees
Type	Lens array	Efficiency	94 %
LED	XP-G2	cd/lm	0.760
Color	Clear	Gerber File	Available
Diameter	50 x 50 mm		
Height	8.05 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		

**Product number C13805_STRADA-2X2-T4**

Family	Strada-Module	FWHM	Asymmetric degrees
Type	Lens	Efficiency	94 %
LED	XP-G2	cd/lm	0.570
Color	Clear	Gerber File	Available
Diameter	50x50 mm	http://oemwebshop.philips.com/fortimo-fastflex-led-board-2x8-740-da-g3.html	
Height	7.7 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		

**Product number C14109_STRADA-2X2-NHS**

Family	Strada-Module	FWHM	Asymmetric degrees
Type	Lens array	Efficiency	94 %
LED	XP-G2	cd/lm	0.800
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	9.8 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "pin"]		
Status	Production ready		


Product number C14116_STRADA-2X2-PX

Family	Strada-Module	FWHM	Asymmetric degrees
Type	Lens	Efficiency	94 %
LED	XP-G2	cd/lm	1.000
Color	Clear	Gerber File	Available
Diameter	50x50 mm	Double asymmetric beam designed for pedestrian crossings.	
Height	8 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "pin"]		
Status	Production ready		

Product number C14164_STRADA-2X2-ME-WIDE1

Family	Strada-Module	FWHM	asymmetric degrees
Type	Lens array	Efficiency	83 %
LED	XP-G2	cd/lm	0.860
Color	Clear	Gerber File	Available
Diameter	50x50 mm	Optical measurement done with a flat cover glass.	
Height	8.3 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "screw", "pin"]		
Status	Production ready		


Product number C14165_STRADA-2X2-ME-WIDE2

Family	Strada-Module	FWHM	Asymmetric degrees
Type	Lens	Efficiency	79 %
LED	XP-G2	cd/lm	0.800
Color	Clear	Gerber File	Available
Diameter	50x50 mm	Optical measurement done with a flat cover glass.	
Height	7 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "screw"]		
Status	Production ready		


Product number C13499_STRADA-2X2-CY

Family	Strada-Module	FWHM	129+129 degrees
Type	Lens array	Efficiency	94 %
LED	XP-G2	cd/lm	0.340
Color	Clear	Gerber File	Available
Diameter	50x50 mm	http://oemwebshop.philips.com/fortimo-fastflex-led-board-2x8-740-da-g3.html	
Height	7.85 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		





PRODUCT DATASHEET Strada-Module series

last update 21/4/2016

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 21/4/2016

GENERAL INFORMATION

- Product series especially designed & optimized for XP-G2 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>

D

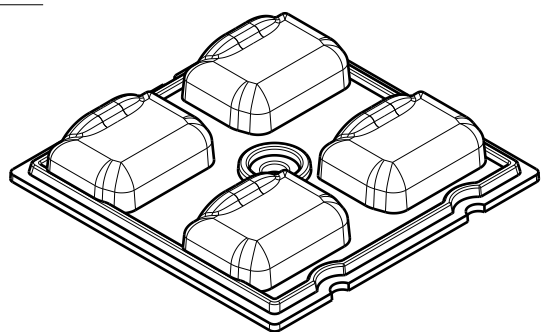
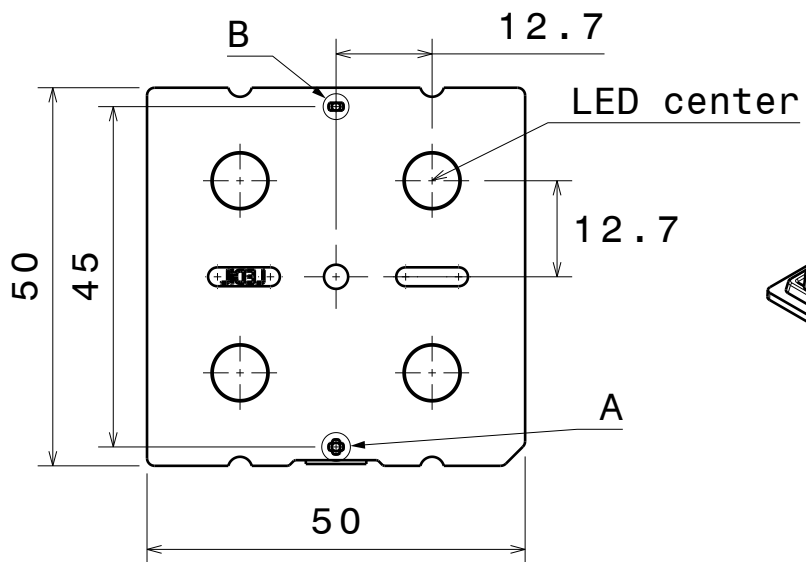
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B

A

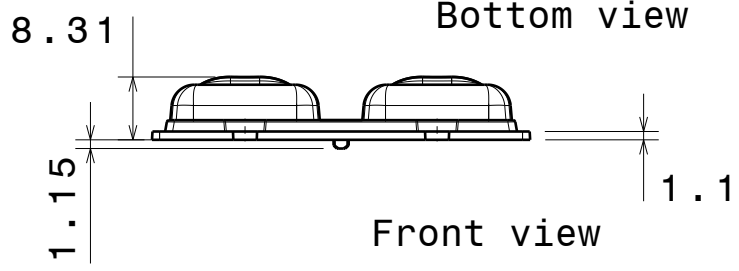
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4



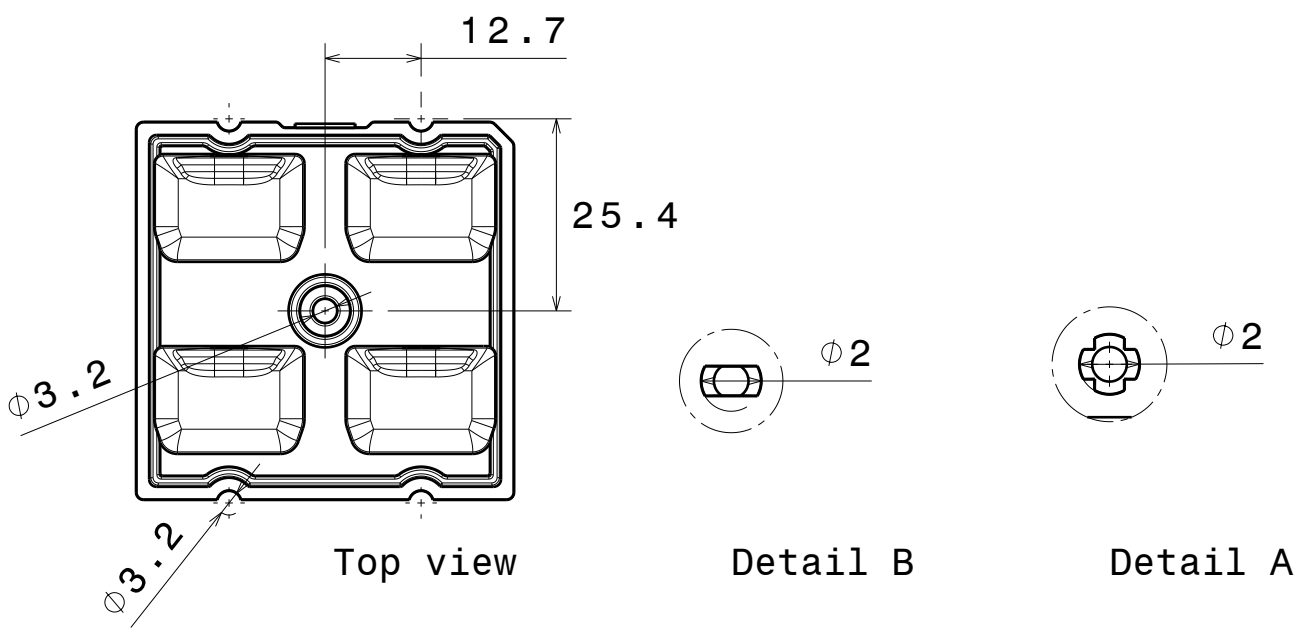
3

3



2

2



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-2X2-ME-WIDE1

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SIZE	PART NUMBER
A4	C14164

SCALE	1:1	WEIGHT	-	SHEET	1/1
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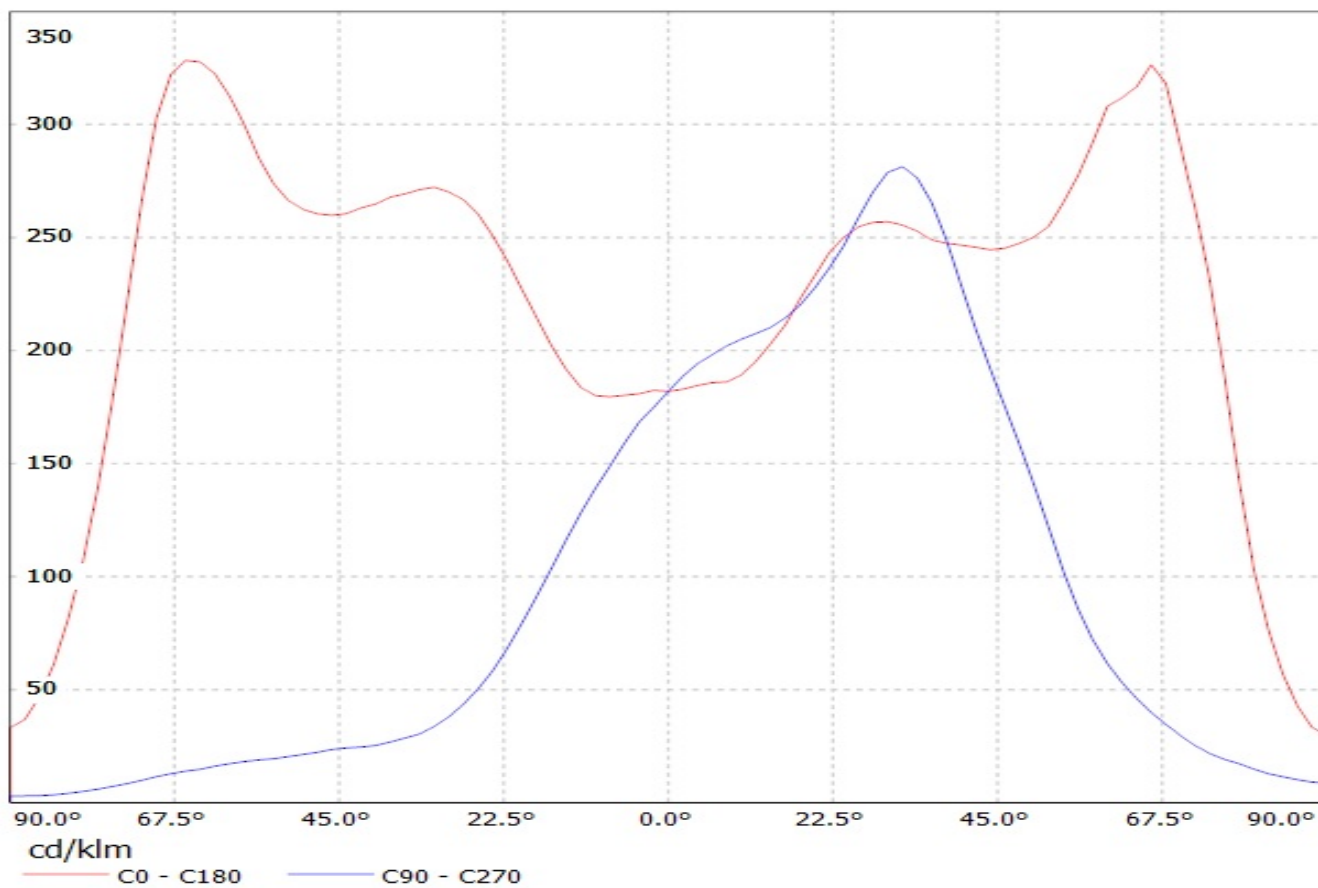
D

A

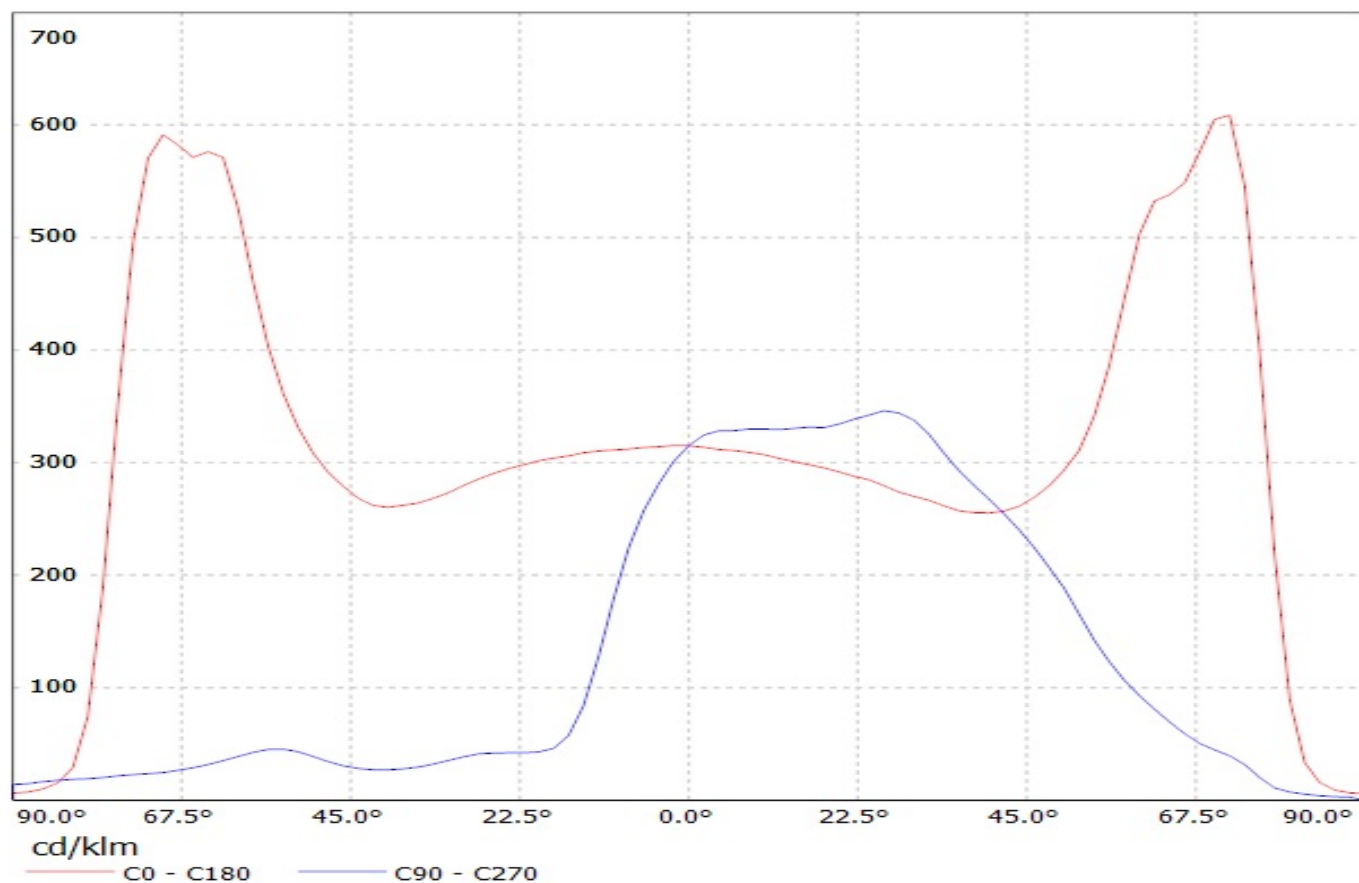
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1

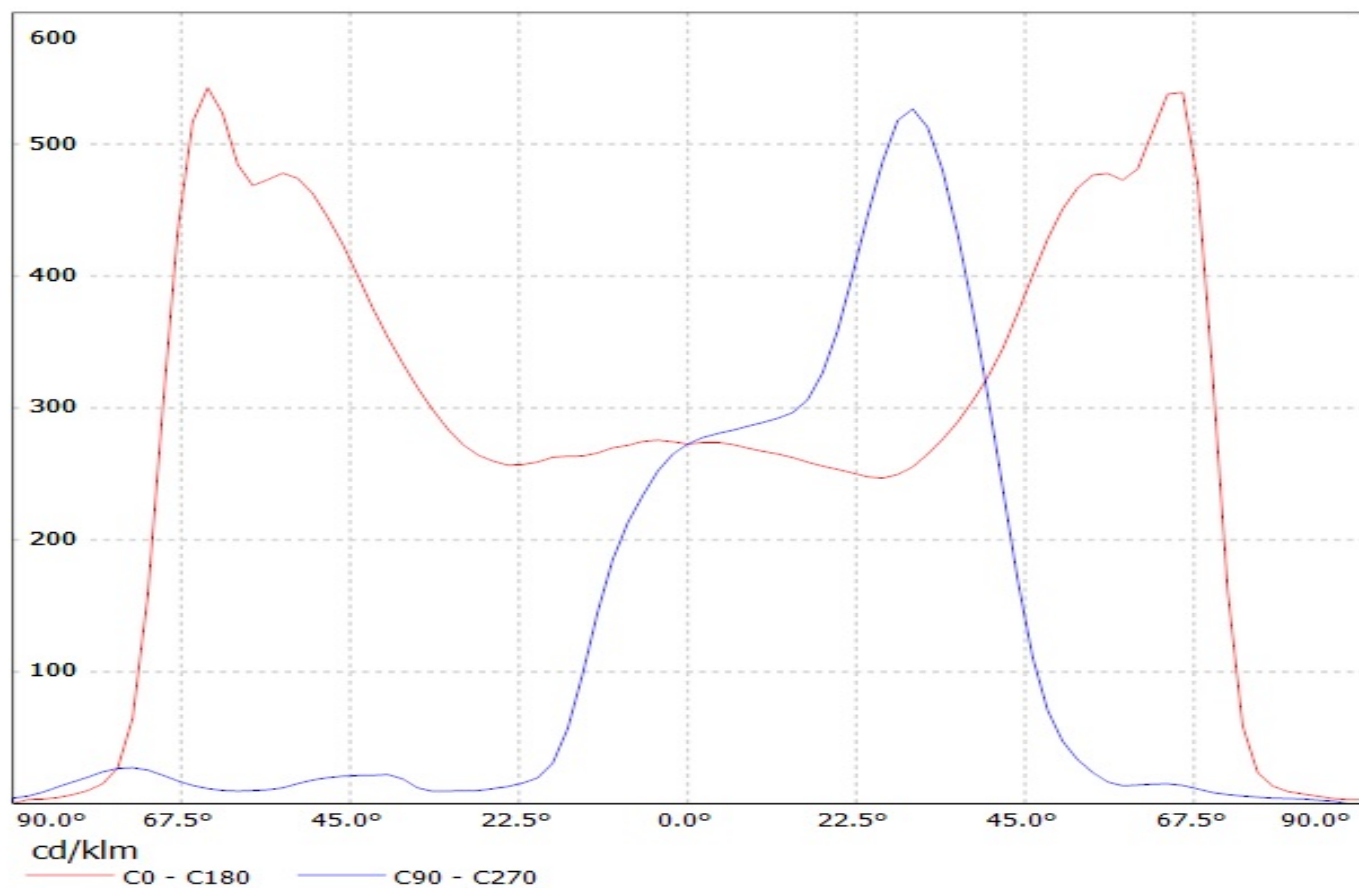
Luminaire: LEDil Oy C12360_STRADA-2X2-DNW_(XP-G2) Efficiency=94%
Lamps: 1 x CREE XP-G2 (XPGBWT-L1-000-00G51) 411lm @ 250mA CCT=7200K P=2.9W I=250mA



Luminaire: LEDil Oy C12362_STRADA-2X2-DWC_(XP-G2) Efficiency=94%
Lamps: 1 x Cree XP-G2 (XPGBWT-L1-00-00G51) 350lm @ 250mA CCT=7200K P=2.9W I=250mA

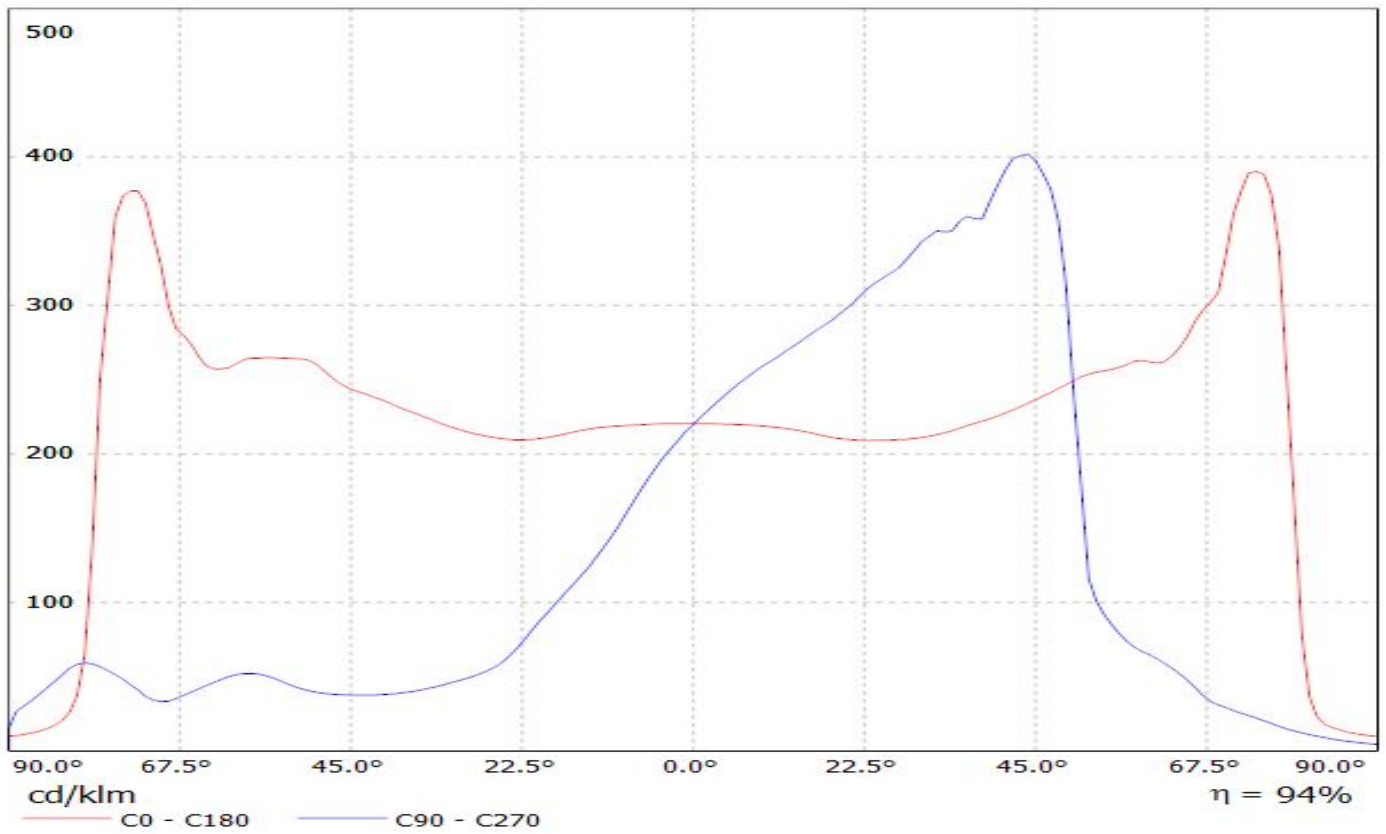


Luminaire: LEDil Oy C12419_STRADA-2X2-A-T_(XP-G2) Efficiency=94%
Lamps: 1 x Cree XP-G2 (XPGBWT-L1-000-00G51) 350lm @ 250mA CCT=7200K P=2.9W I=250mA



LEDiL Oy C13299_STRADA-2X2-ME_(XP-G2) Eff.94.0% / LDC (Linear)

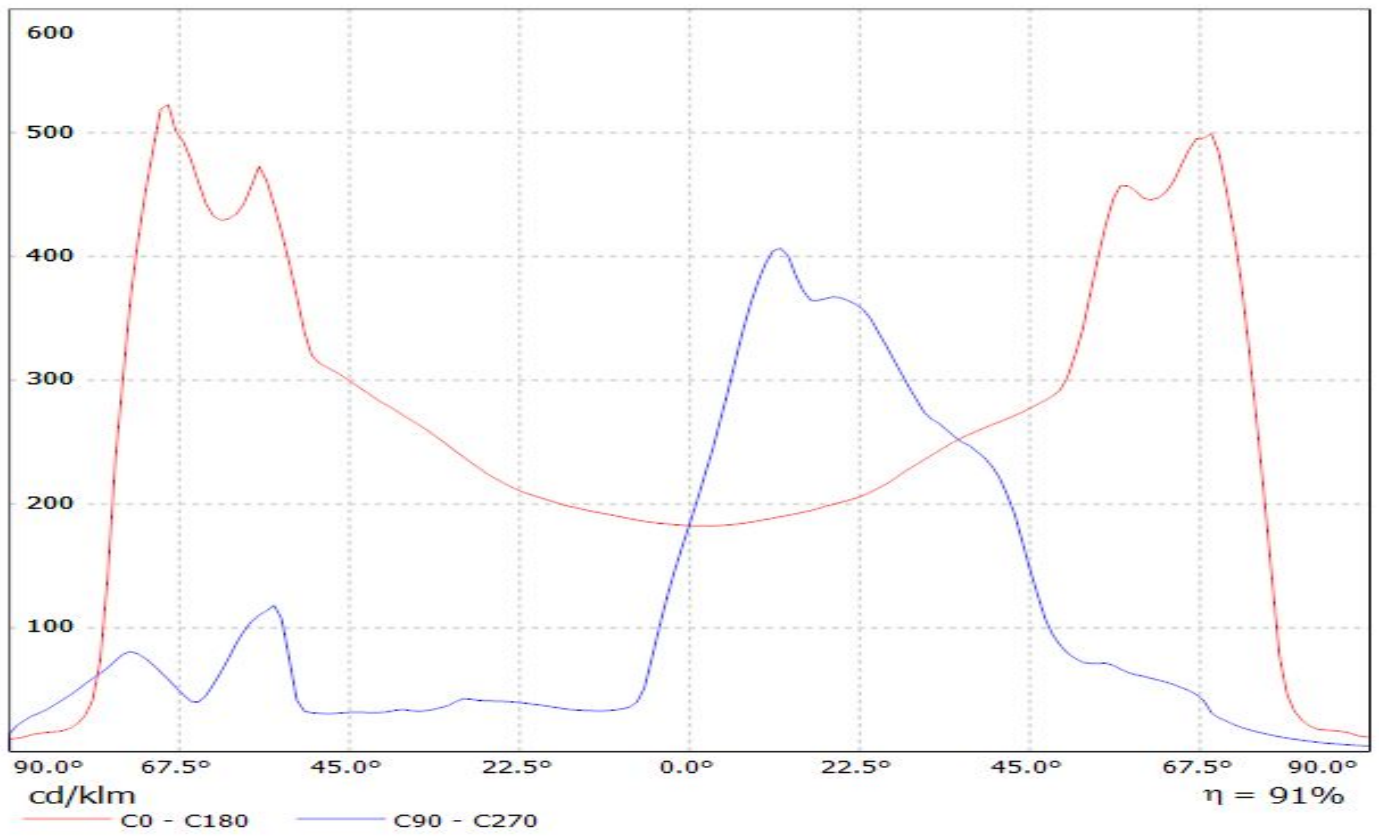
Luminaire: LEDiL Oy C13299_STRADA-2X2-ME_(XP-G2) Eff.94.0%
Lamps: 1 x XP-G2_2x2_(XPGBWT-L1-000-00G51)
_418.9lm@250mA_CCT=7181K_P=2.93358W_I=249.9mA



LEDiL Oy C13300_STRADA-2X2-T2_(XP-G2) Eff.90.9% / LDC (Linear)

Luminaire: LEDiL Oy C13300_STRADA-2X2-T2_(XP-G2) Eff.90.9%

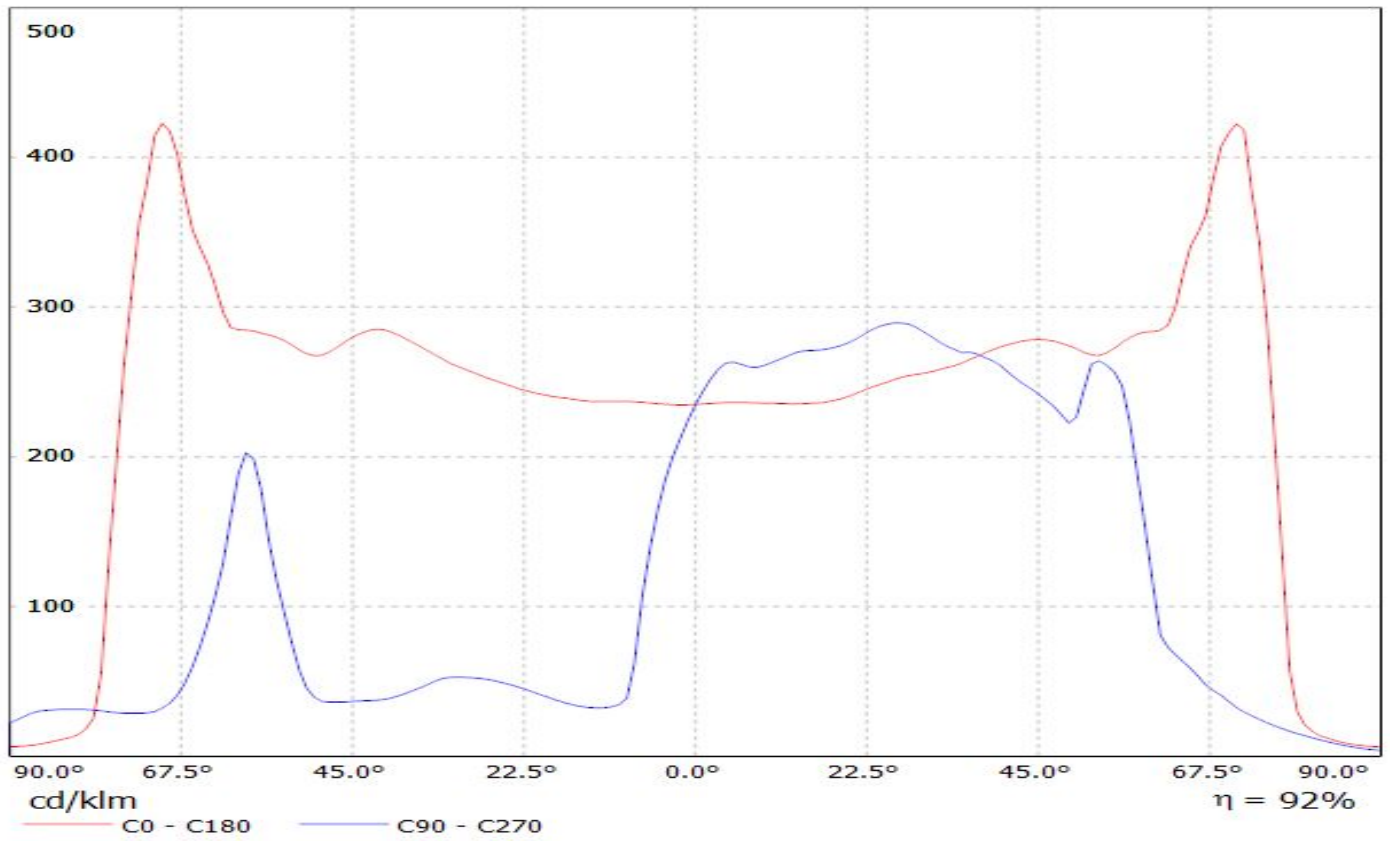
Lamps: 1 x XP-G2 (433lm@250mA)



LEDiL Oy C13301_STRADA-2X2-T3_(XP-G2) Eff.92.0% / LDC (Linear)

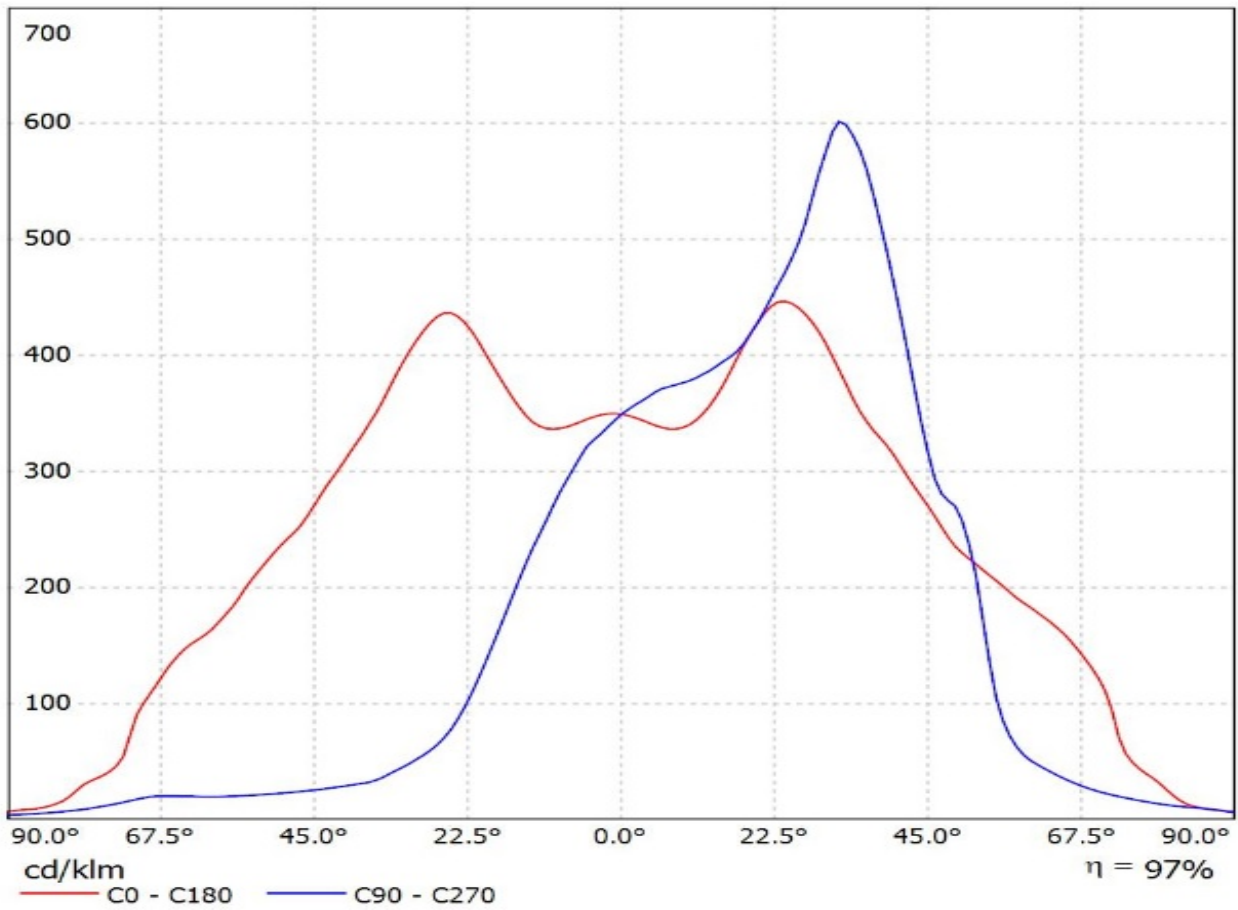
Luminaire: LEDiL Oy C13301_STRADA-2X2-T3_(XP-G2) Eff.92.0%

Lamps: 1 x CREE XP-G2 (433lm@250mA)



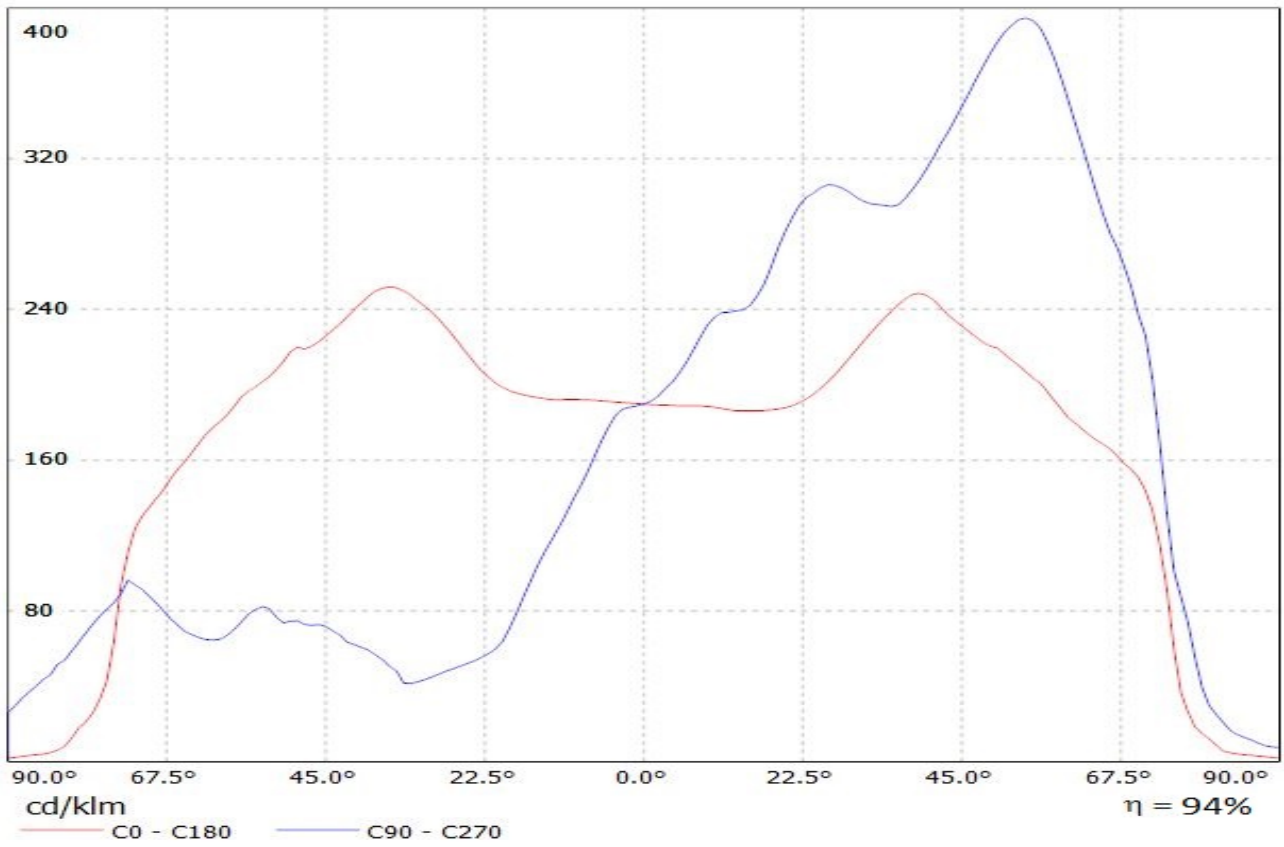
Luminaire: LEDiL Oy C13699_STRADA-2X2-DN_(XP-G2)

Lamps: 1 x CREE_XP-G2_2x2_(XPGBWT-L1-000-00G51)_403.351lm@250mA_CCT=7181K_P=2.94357W_I=249.9mA



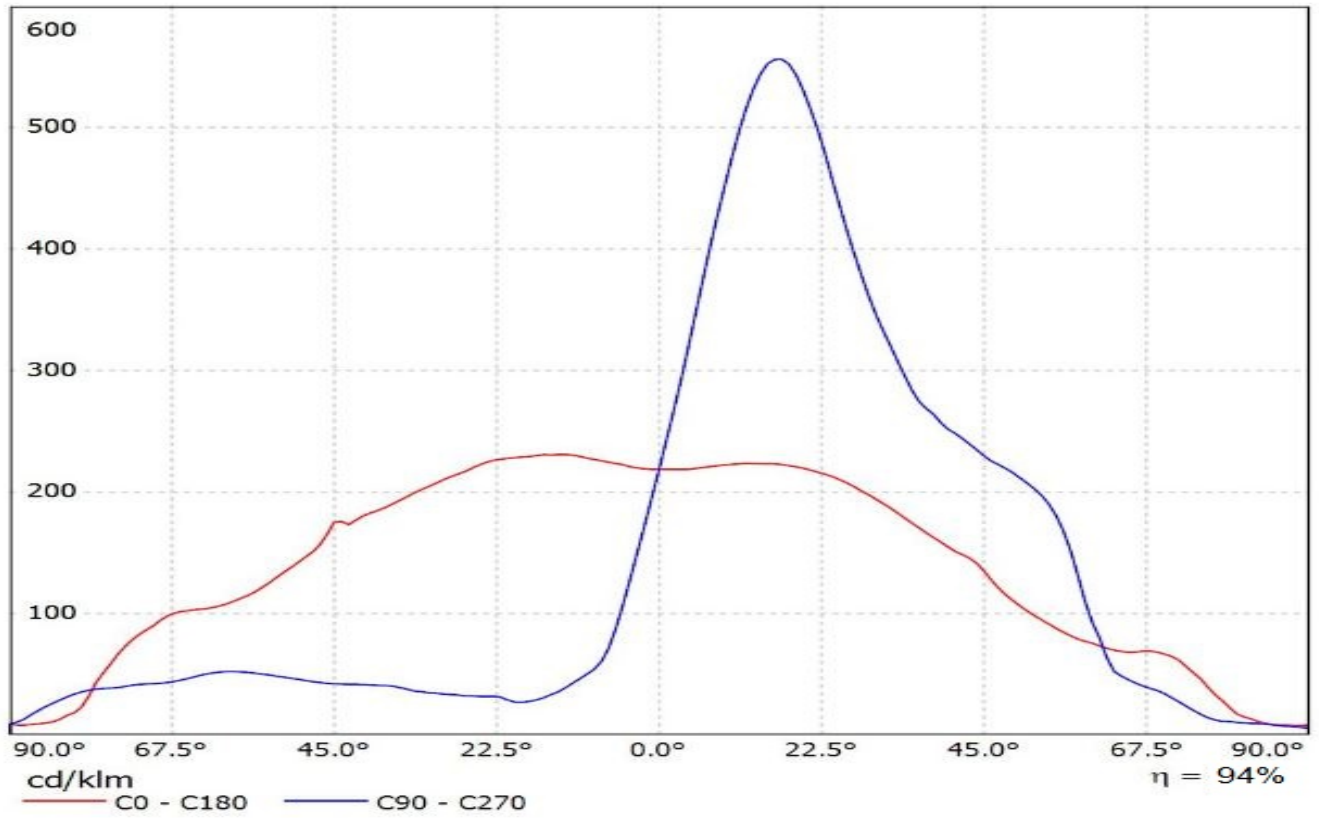
Luminaire: LEDiL Oy C13805_STRADA-2X2-T4_(XP-G2)

Lamps: 1 x Cree_XP-G2_(XPGBWT-L1-000-00-G51)_409.462lm@250mA_P=2.94407_I=0.250A

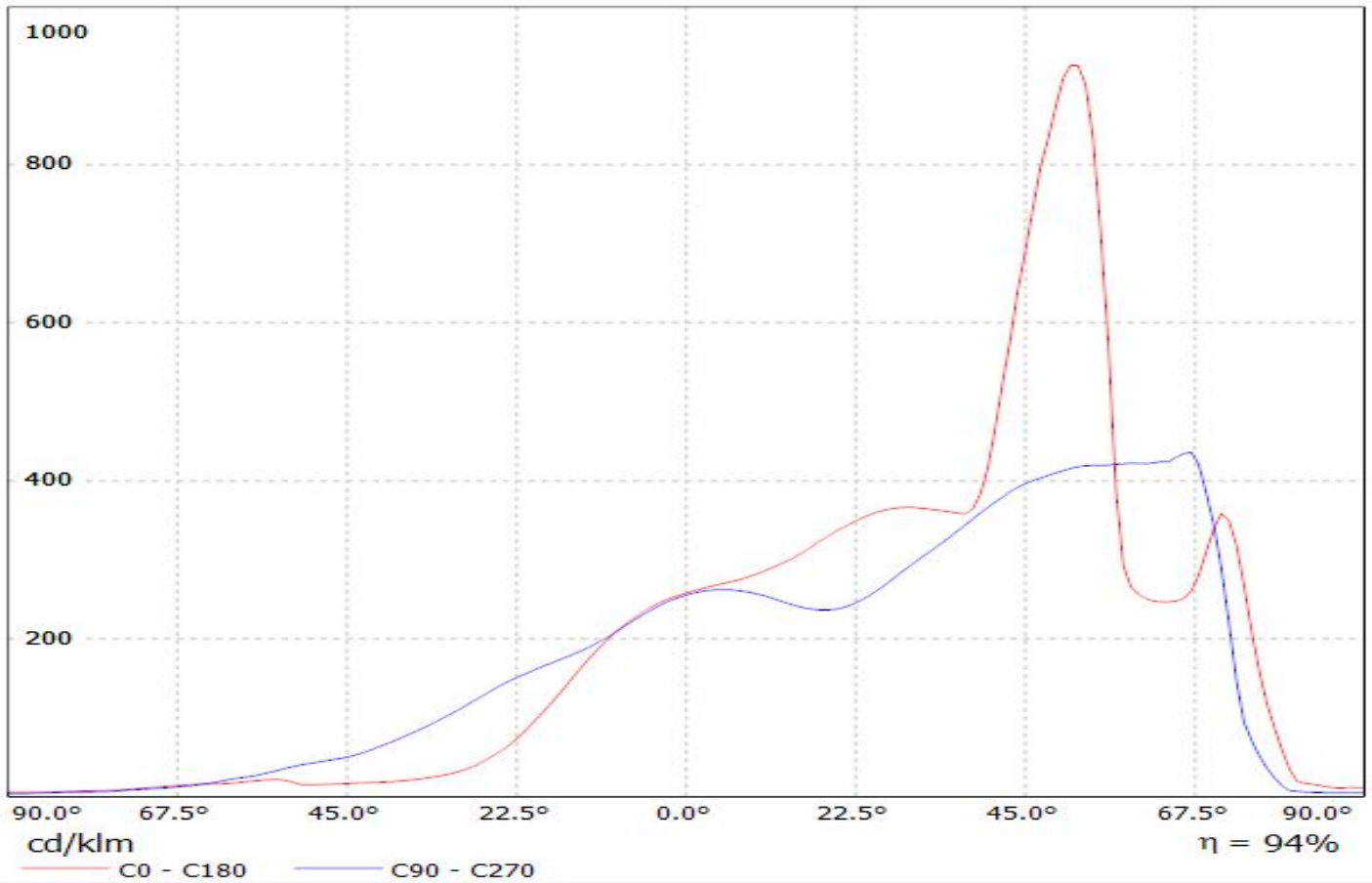


Luminaire: Ledil C14109_STRADA-2X2-NHS_(XP-G2)

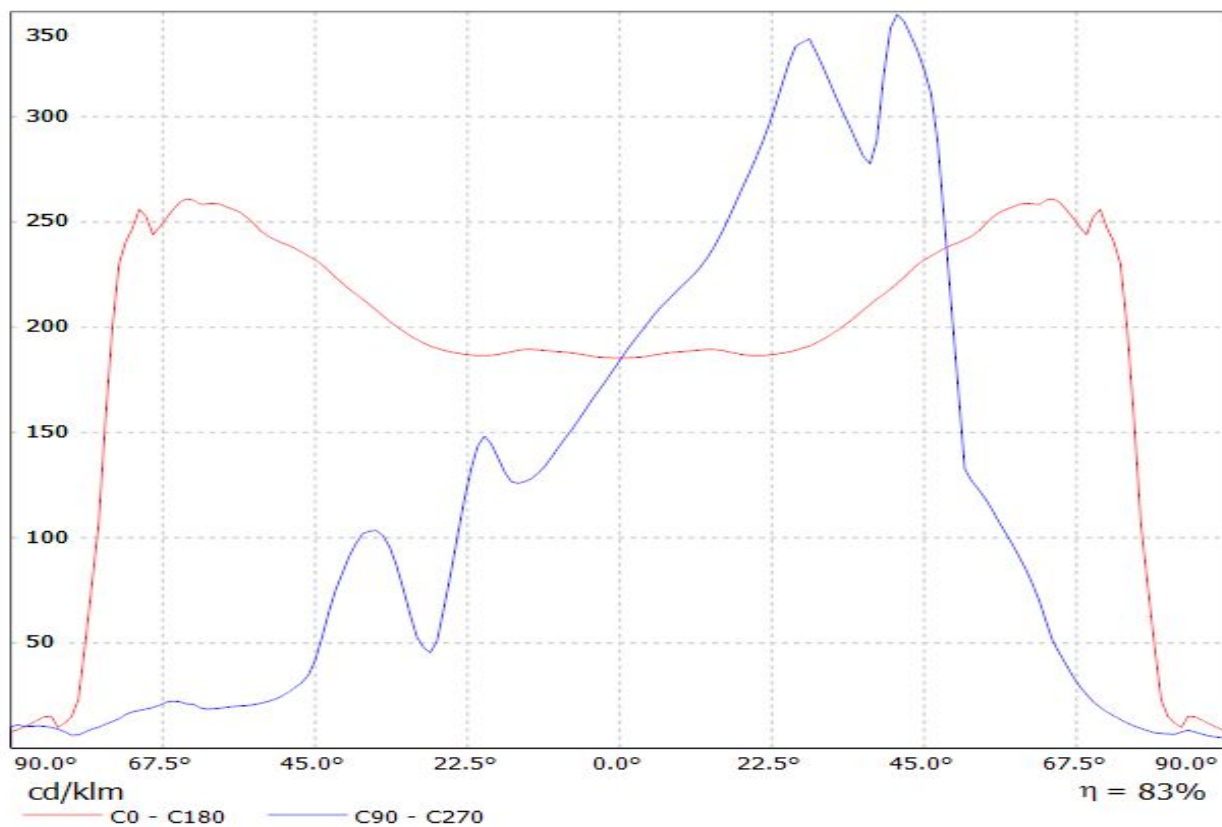
Lamps: 1 x Cree_XP-G2_2x2_(XPGBWT-L1-000-00-G51)_421.786lm@250mA_P=2.9665W_I=0.250A



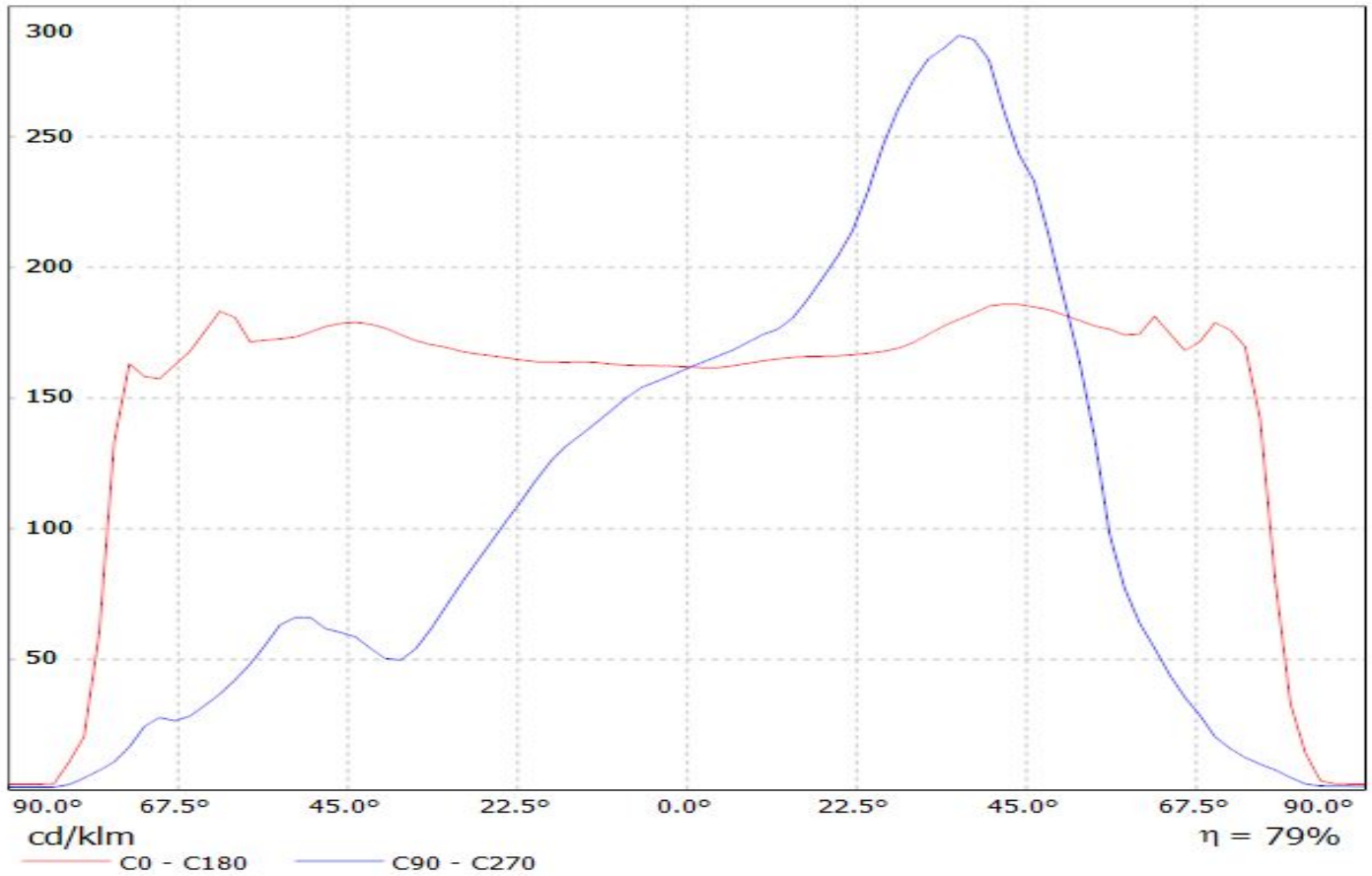
Luminaire: LEDiL Oy C14116_STRADA-2X2-PX_(XP-G2)
Lamps: 1 x CREE_XP-G2_2x2_(XPGBWT-L1-000-00G51)
_414.85lm@250mA_CCT=7181K_P=2.95563W_I=249.8mA



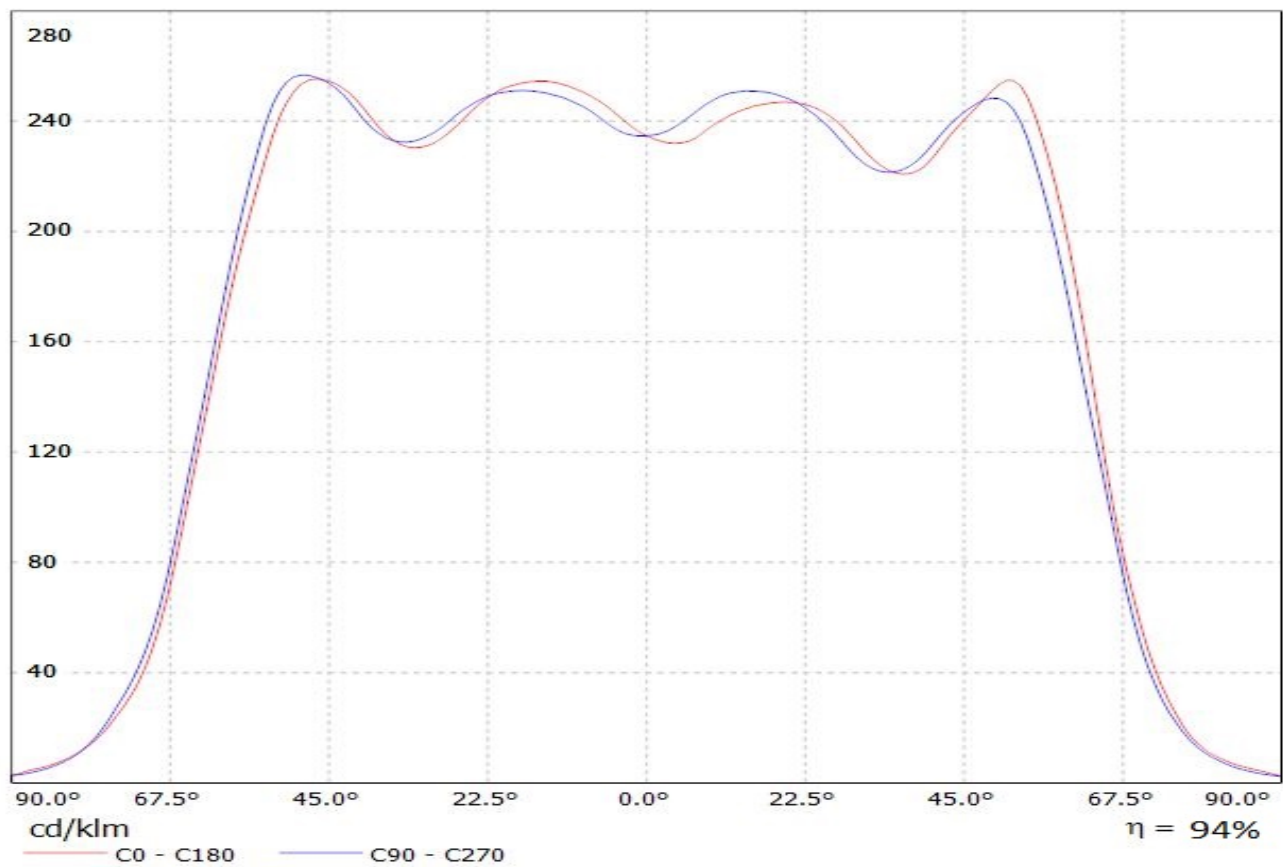
Luminaire: LEDiL Oy C14164_STRADA-2X2-ME-WIDE1_(XP-G2) with 4mm glass cover
Lamps: 1 x CREE_XP-G2_2x2_(XPGBWT-L1-000-00G51)_407.74lm@250mA_CCT=7181K_P=2.95432W_I=249.9mA



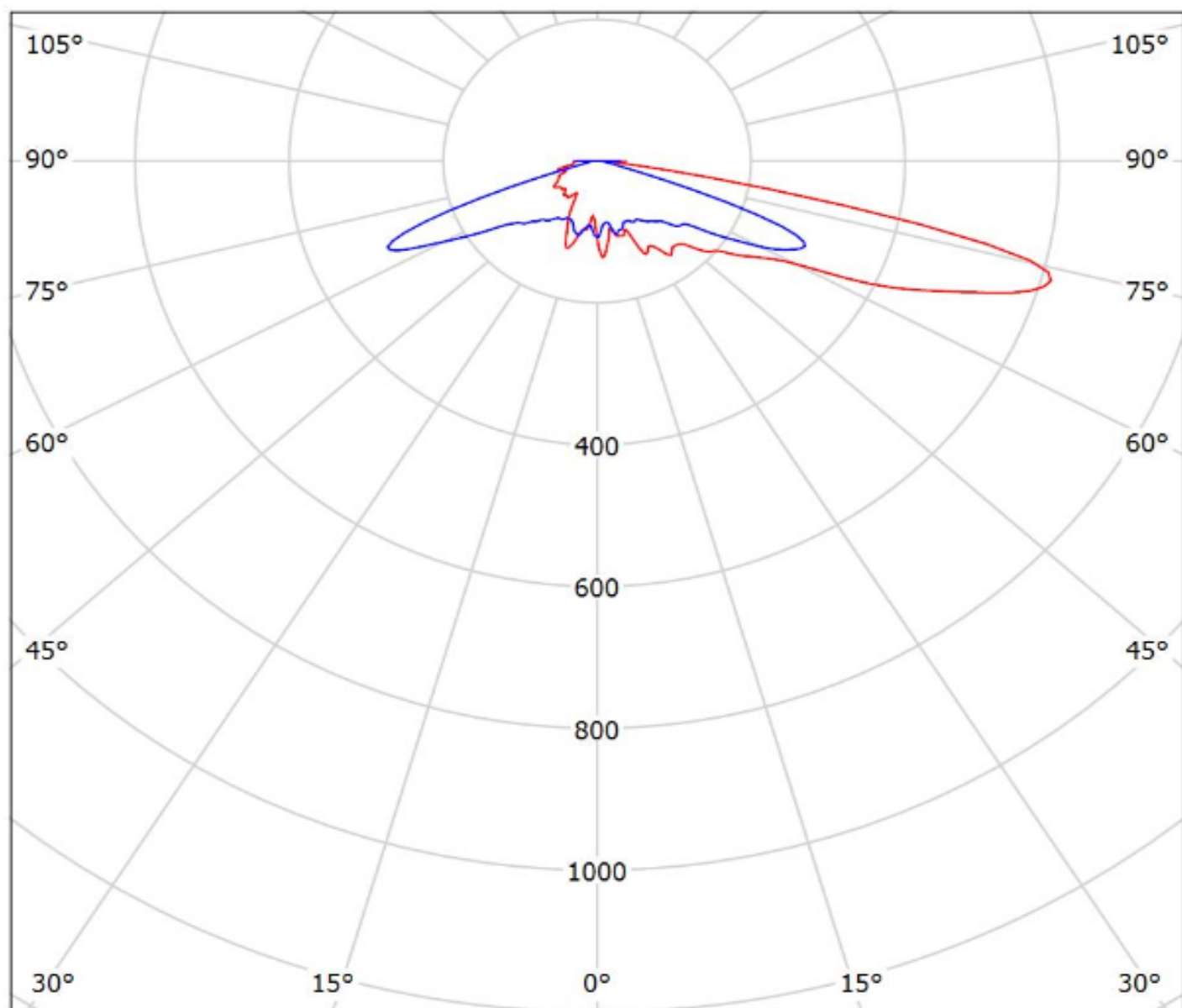
Luminaire: LEDiL Oy C14165_STRADA-2X2-ME-WIDE2 (XP-G2)
Lamps: 1 x CREE_XP-G2_2x2_(XPGBWT-L1-000-00G51)
_407.74lm@250mA_CCT=7181K_P=2.95432W_I=249.9mA



Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XP-G2)
Lamps: 1 x Cree_XP-G2_(XPGBWT-L1-000-00-G51)_411.002lm@250mA_P=2.95164W_I=0.250A



Luminaire: Ledil Oy C15014_STRADA-2X2-T4-B_simulated_XP-G2
Lamps: 1 x Cree XP-G2

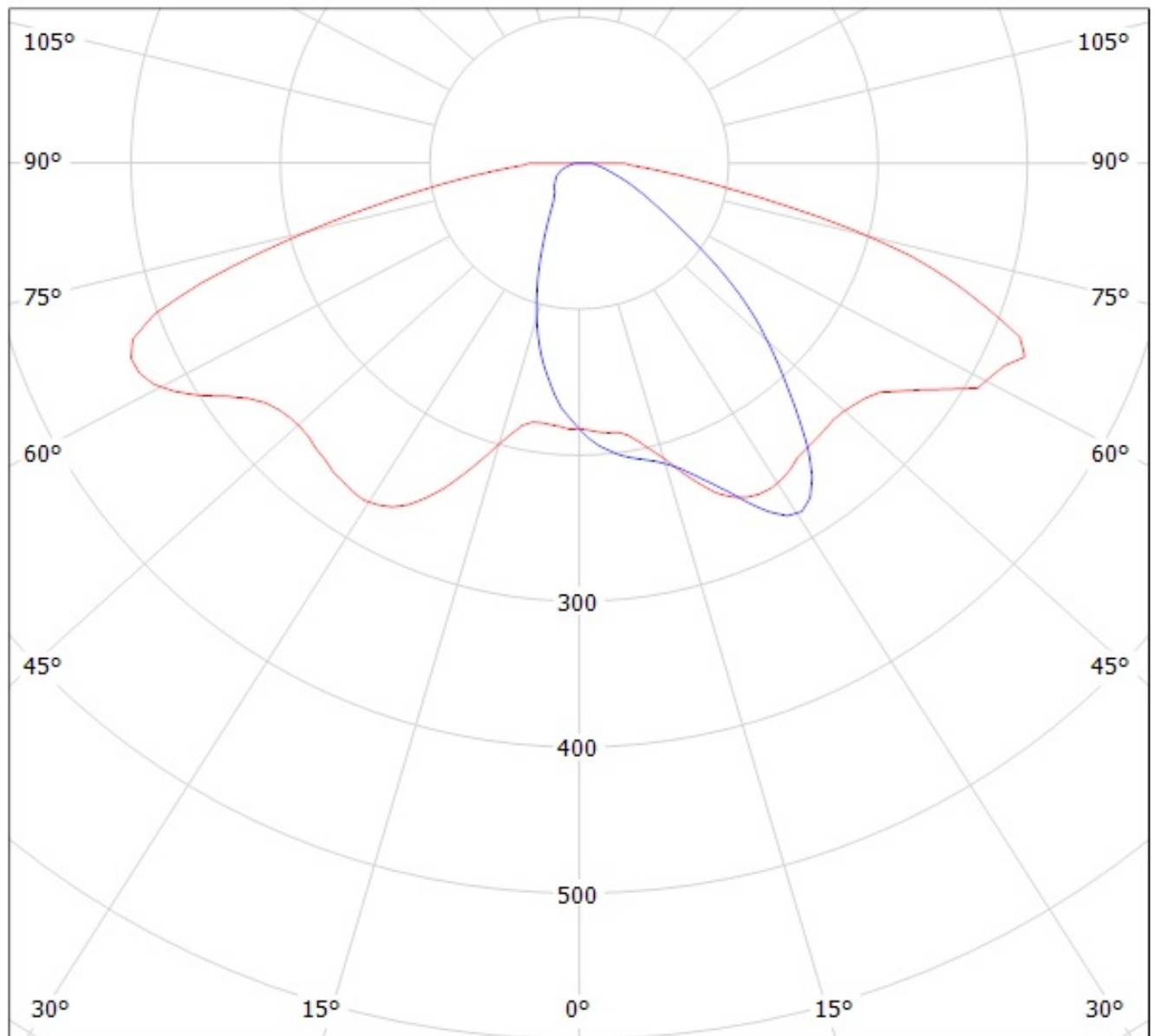


cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: LEDil Oy C12360_STRADA-2X2-DNW_(XP-G2) Efficiency=94%
Lamps: 1 x CREE XP-G2 (XPGBWT-L1-000-00G51) 411lm @ 250mA CCT=7200K P=2.9W I=250mA

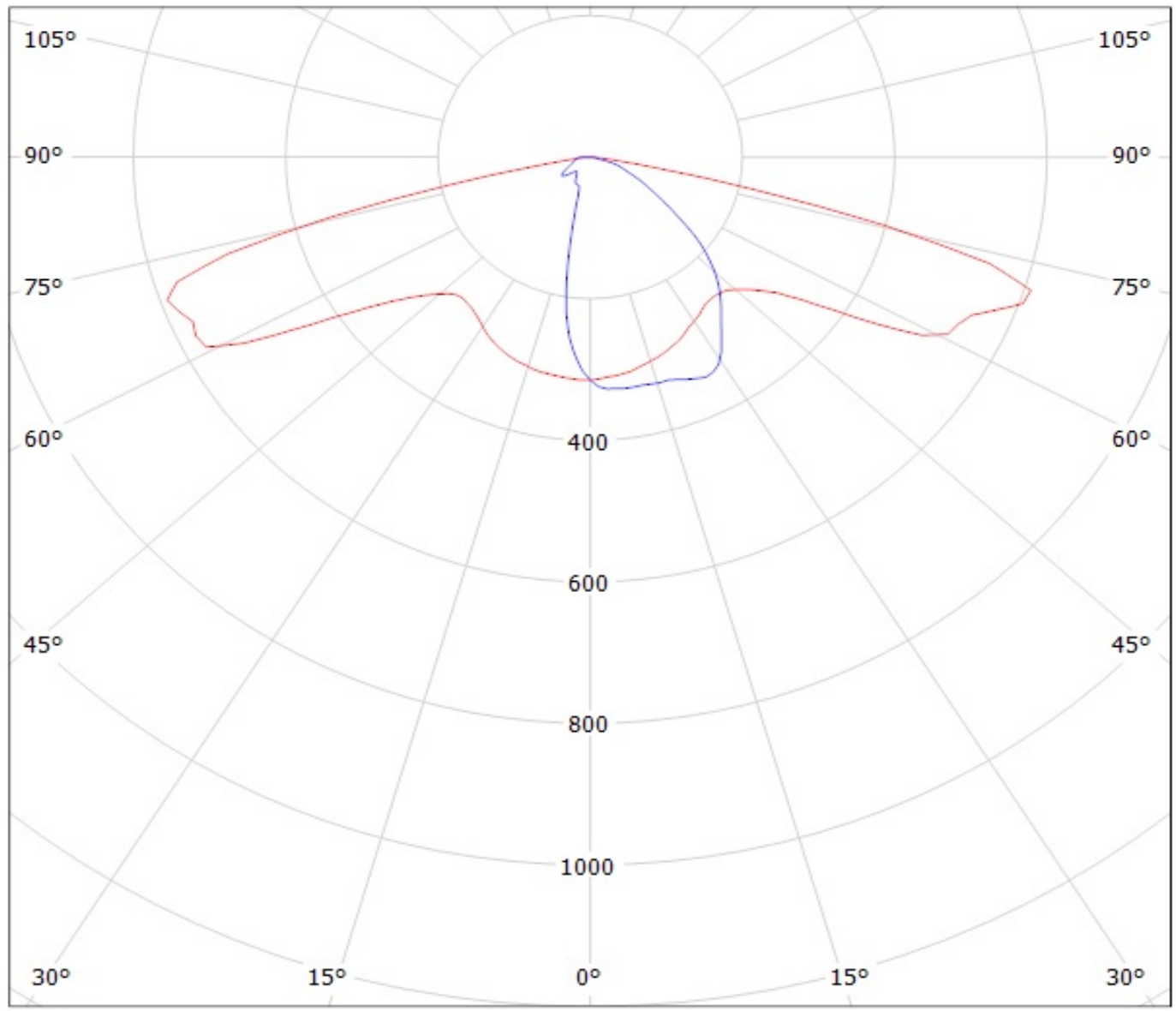


cd/klm

— C0 - C180

— C90 - C270

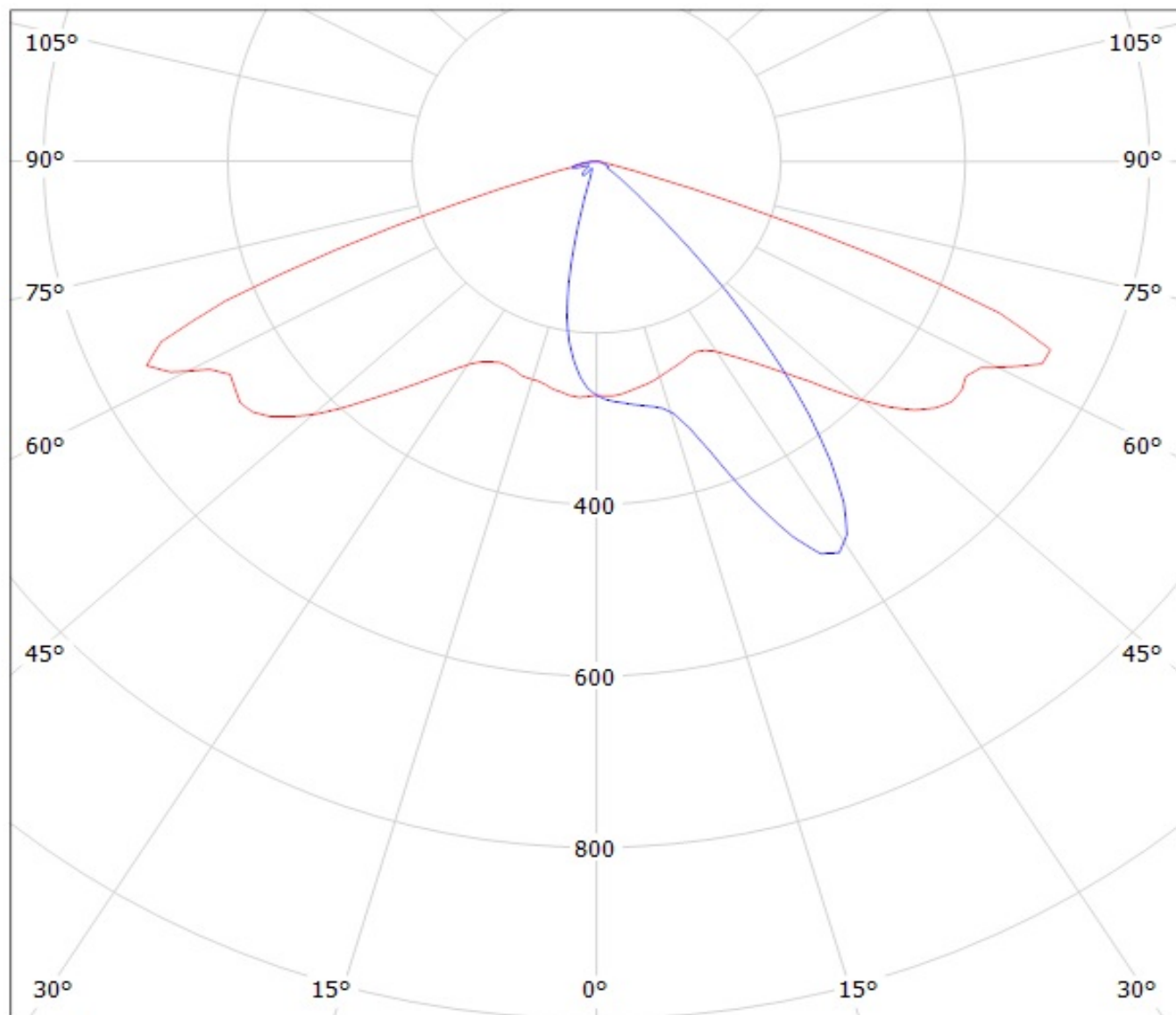
Luminaire: LEDil Oy C12362_STRADA-2X2-DWC_(XP-G2) Efficiency=94%
Lamps: 1 x Cree XP-G2 (XPGBWT-L1-00-00G51) 350lm @ 250mA CCT=7200K P=2.9W I=250mA



cd/klm
— C0 - C180 — C90 - C270

Luminaire: LEDil Oy C12419_STRADA-2X2-A-T_(XP-G2) Efficiency=94%

Lamps: 1 x Cree XP-G2 (XPGBWT-L1-000-00G51) 350lm @ 250mA CCT=7200K P=2.9W I=250mA



cd/klm

— C0 - C180

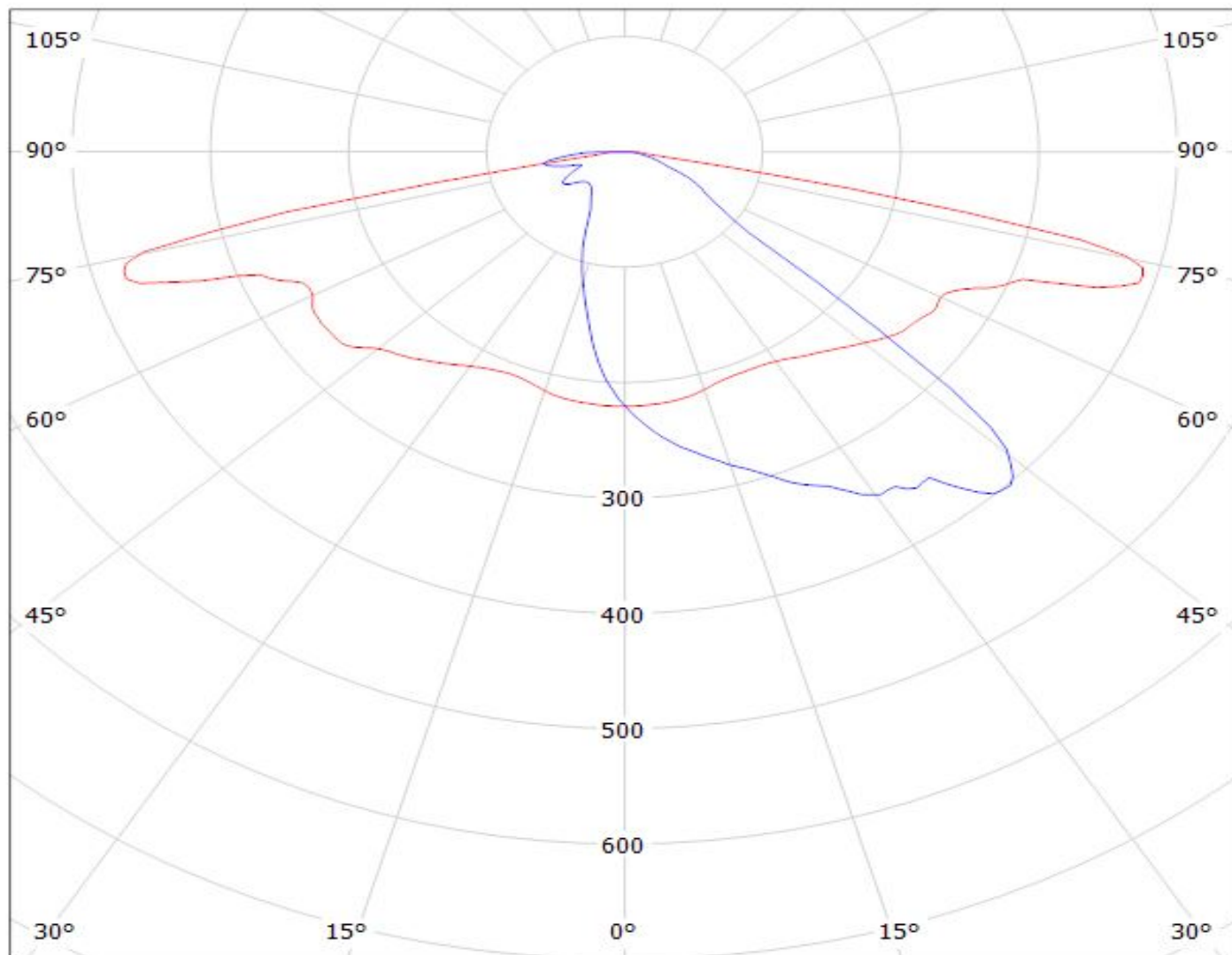
— C90 - C270

LEDiL Oy C13299_STRADA-2X2-ME_(XP-G2) Eff.94.0% / LDC (Polar)

Luminaire: LEDiL Oy C13299_STRADA-2X2-ME_(XP-G2) Eff.94.0%

Lamps: 1 x XP-G2_2x2_(XPGBWT-L1-000-00G51)

_418.9lm@250mA_CCT=7181K_P=2.93358W_I=249.9mA



cd/klm

— C0 - C180

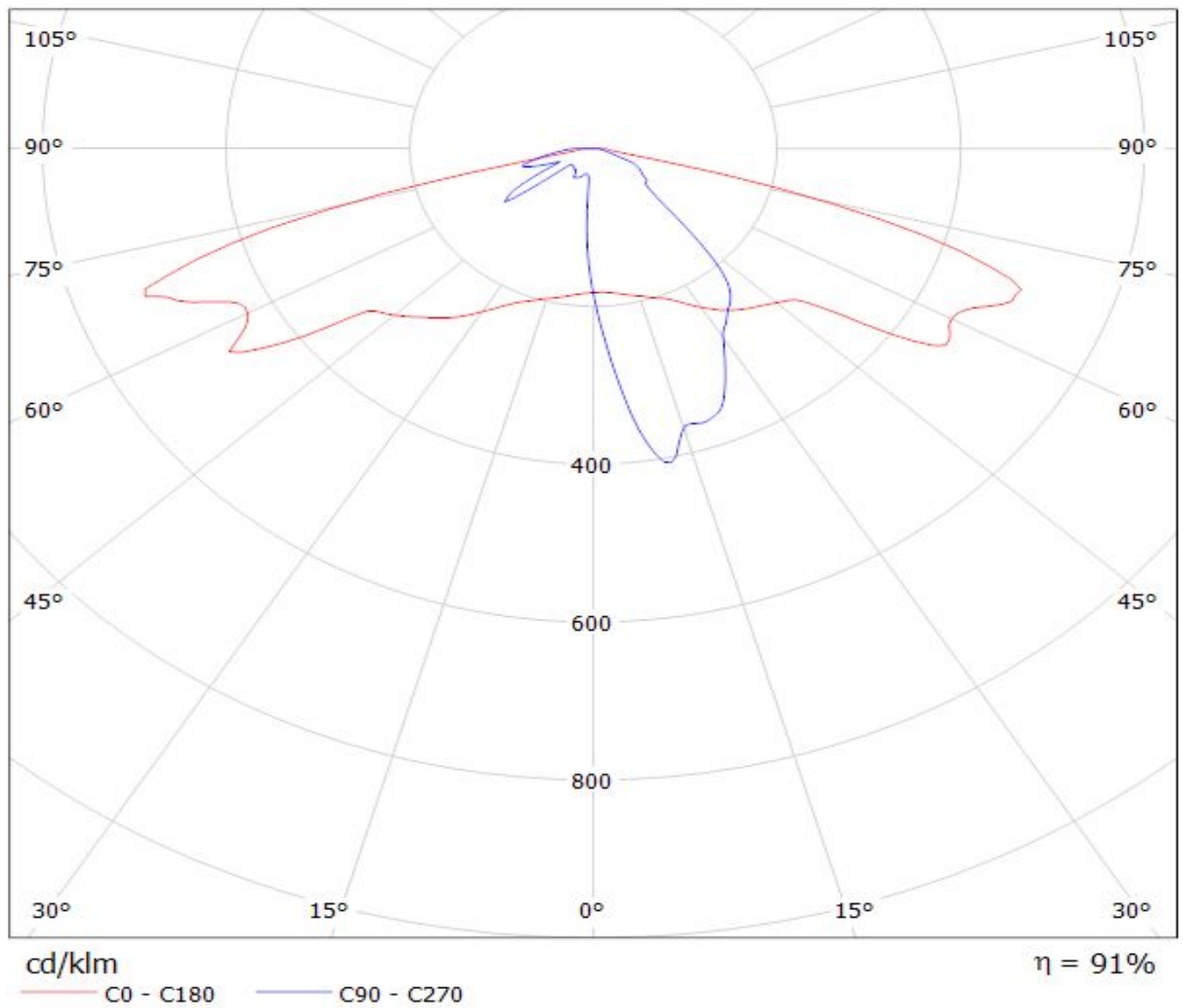
— C90 - C270

$\eta = 94\%$

LEDiL Oy C13300_STRADA-2X2-T2_(XP-G2) Eff.90.9% / LDC (Polar)

Luminaire: LEDiL Oy C13300_STRADA-2X2-T2_(XP-G2) Eff.90.9%

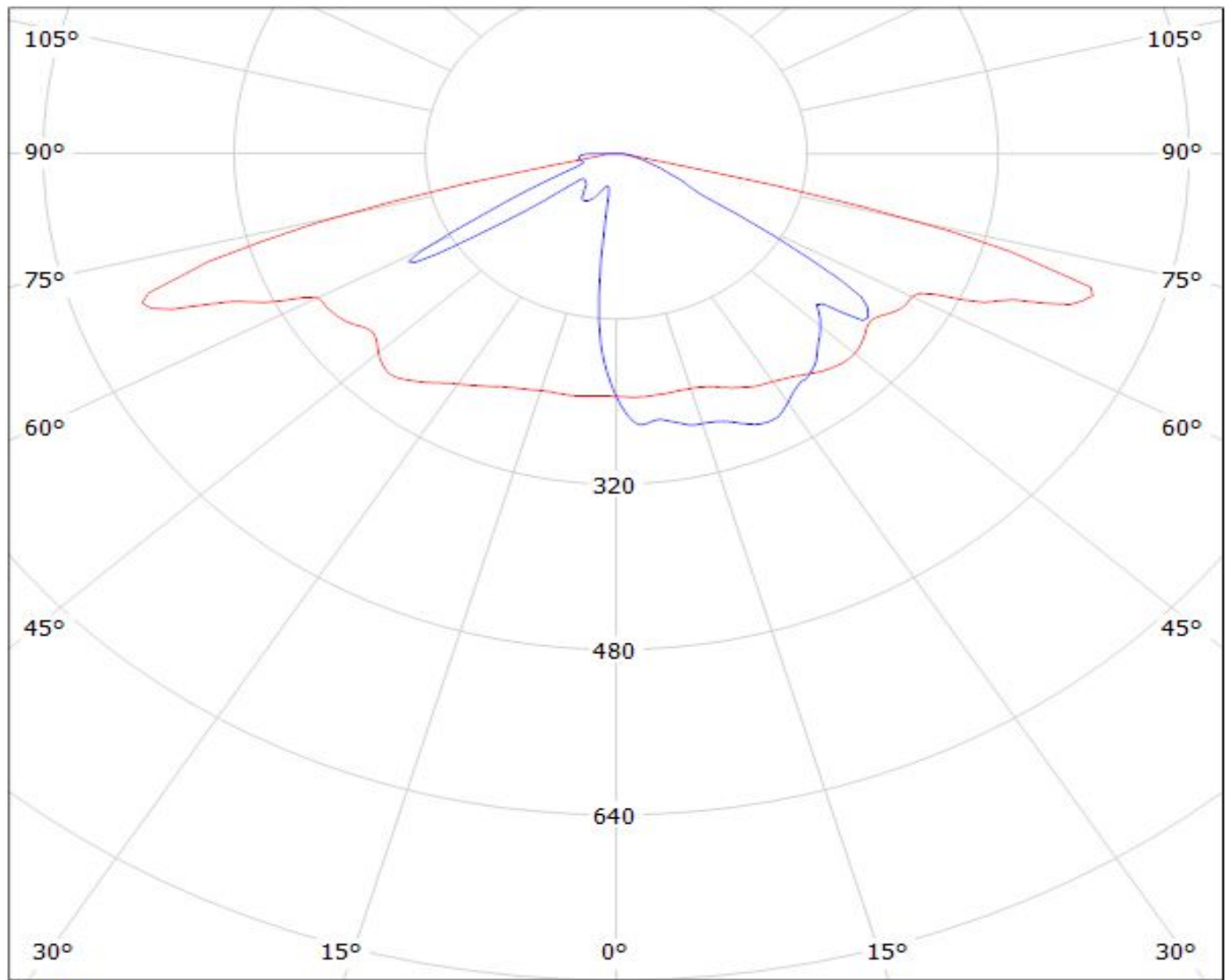
Lamps: 1 x XP-G2 (433lm@250mA)



LEDiL Oy C13301_STRADA-2X2-T3_(XP-G2) Eff.92.0% / LDC (Polar)

Luminaire: LEDiL Oy C13301_STRADA-2X2-T3_(XP-G2) Eff.92.0%

Lamps: 1 x CREE XP-G2 (433lm@250mA)



cd/klm

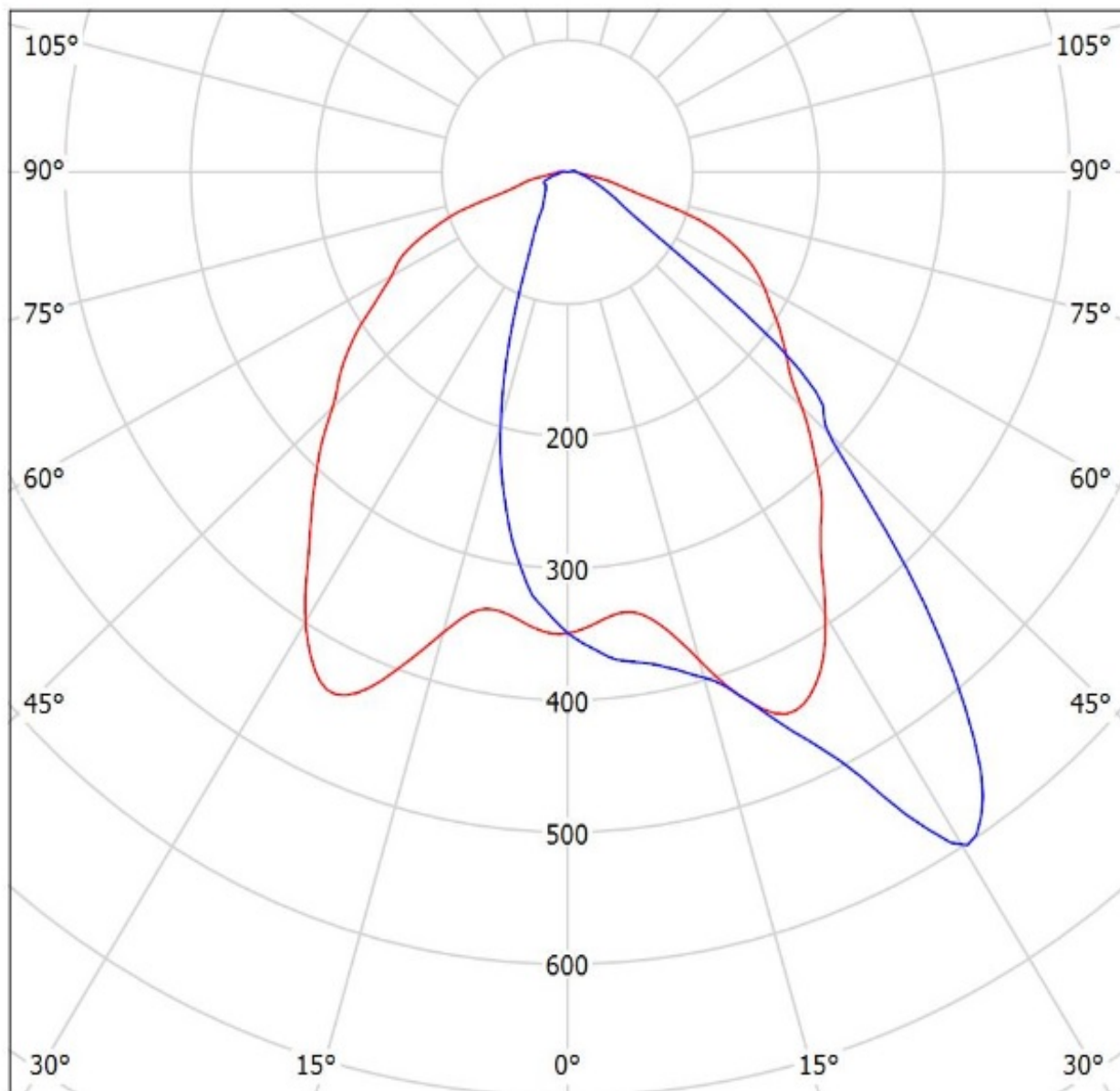
— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy C13699_STRADA-2X2-DN_(XP-G2)

Lamps: 1 x CREE_XP-G2_2x2_(XPGBWT-L1-000-00G51)_403.35lm@250mA_CCT=7181K_P=2.94357W_I=249.9mA



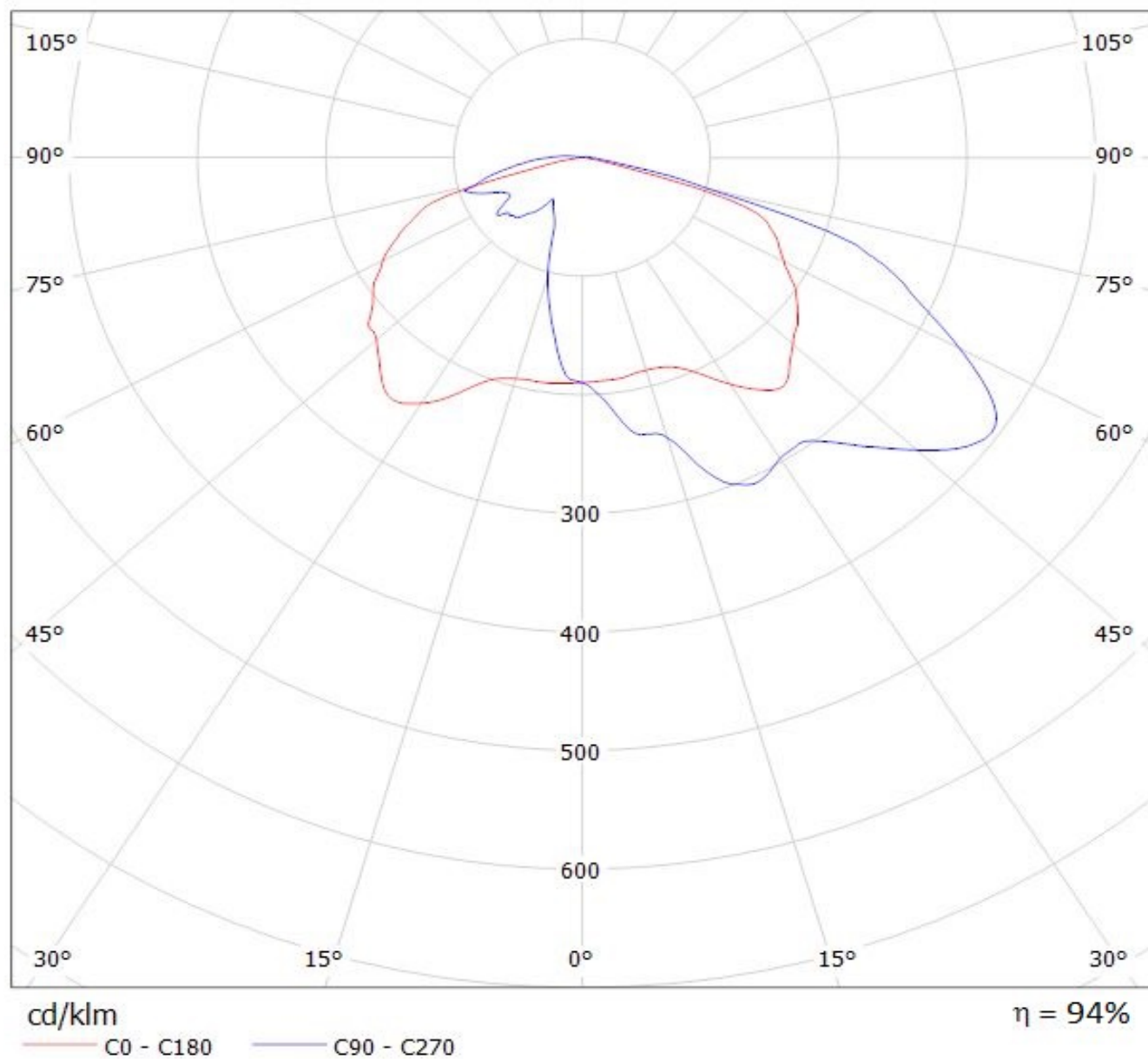
cd/klm

— C0 - C180 — C90 - C270

$\eta = 97\%$

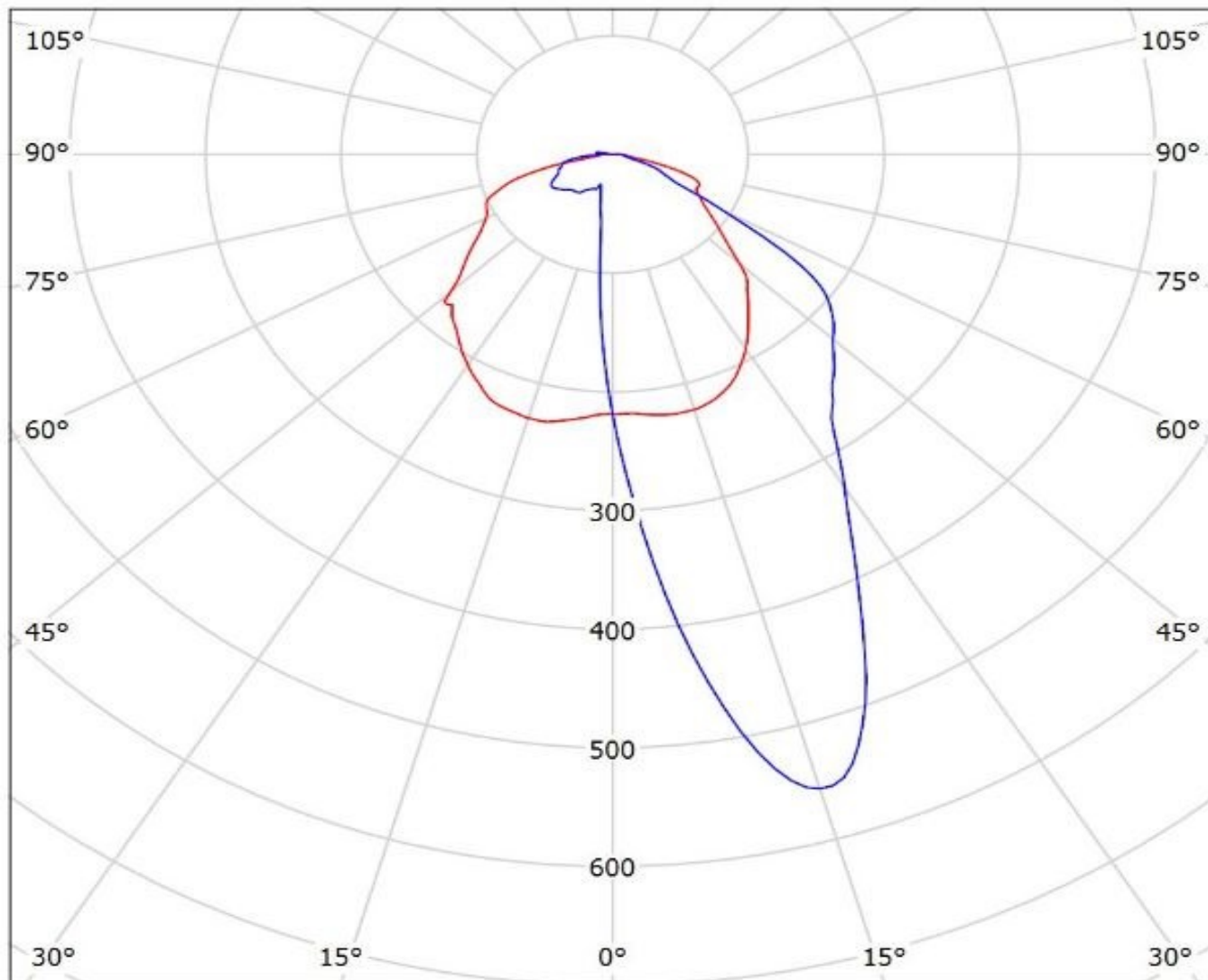
Luminaire: LEDiL Oy C13805_STRADA-2X2-T4_(XP-G2)

Lamps: 1 x Cree_XP-G2_(XPGBWT-L1-000-00-G51)_409.462lm@250mA_P=2.94407_I=0.250A



Luminaire: Ledil C14109_STRADA-2X2-NHS_(XP-G2)

Lamps: 1 x Cree_XP-G2_2x2_(XPGBWT-L1-000-00-G51)_421.786lm@250mA_P=2.9665W_I=0.250A

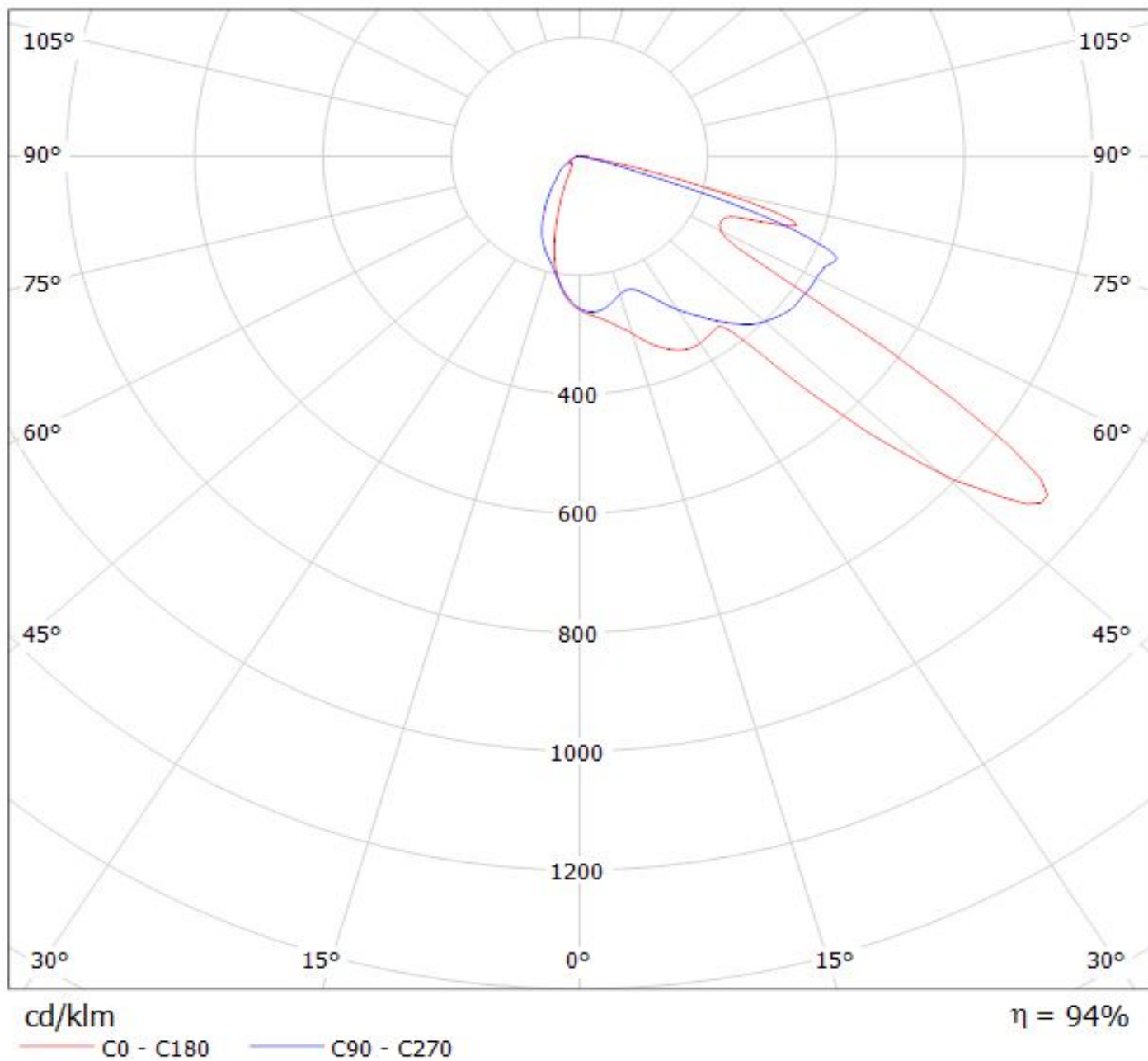


cd/klm

— C0 - C180 — C90 - C270

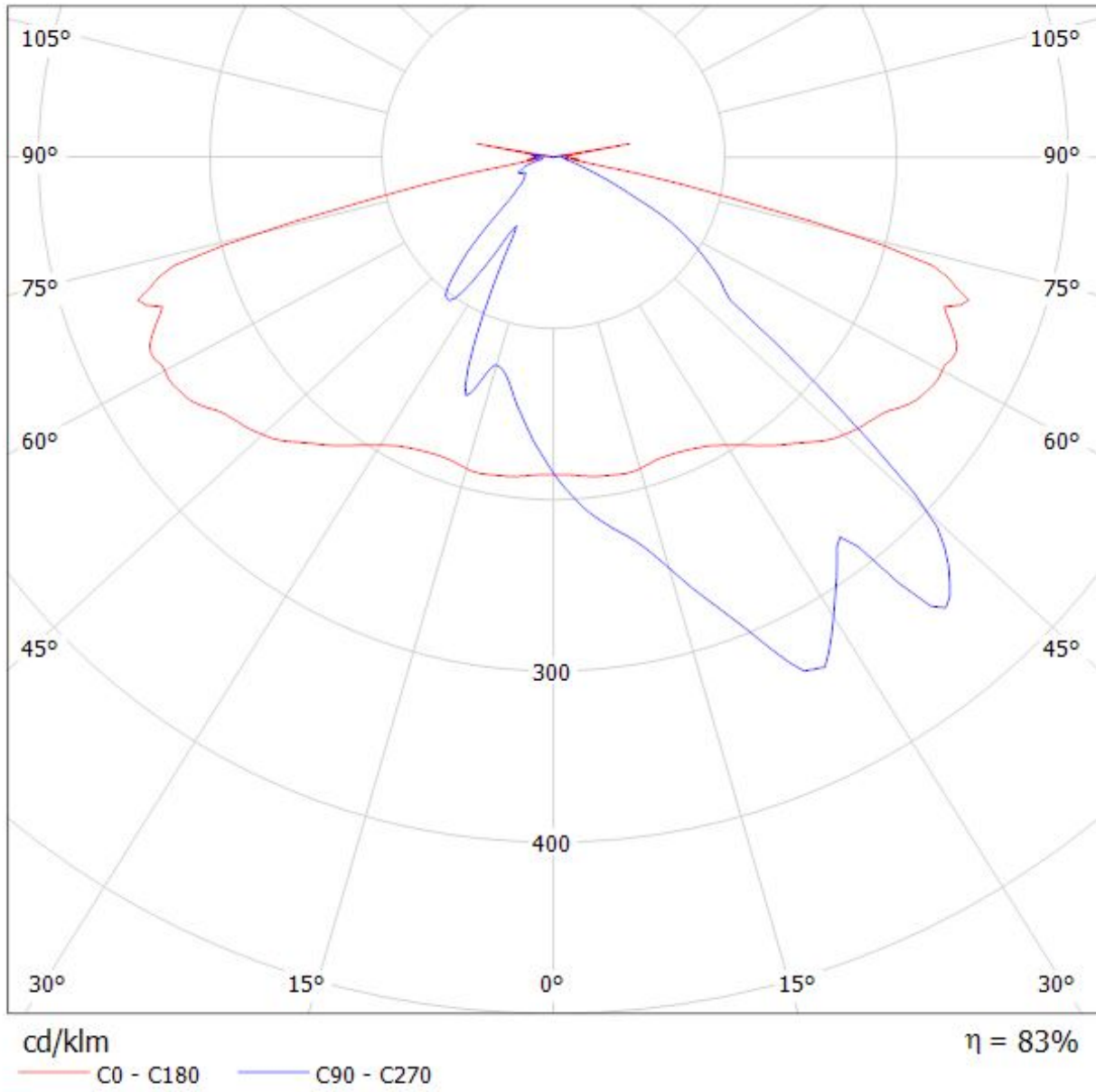
$\eta = 94\%$

Luminaire: LEDiL Oy C14116_STRADA-2X2-PX_(XP-G2)
Lamps: 1 x CREE_XP-G2_2x2_(XPGBWT-L1-000-00G51)
_414.85lm@250mA_CCT=7181K_P=2.95563W_I=249.8mA

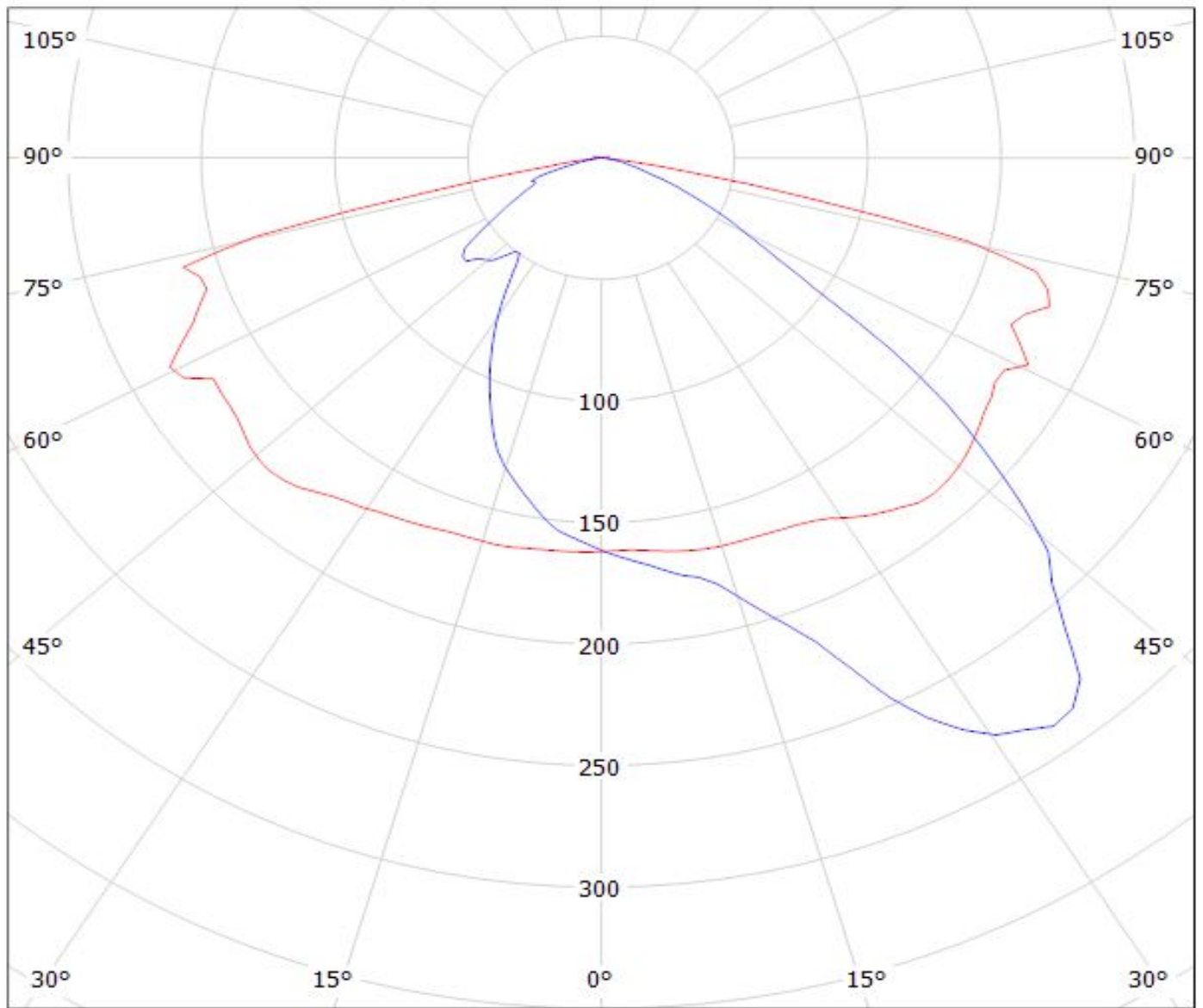


Luminaire: LEDiL Oy C14164_STRADA-2X2-ME-WIDE1_(XP-G2) with 4mm glass cover

Lamps: 1 x CREE_XP-G2_2x2_(XPGBWT-L1-000-00G51)_407.74lm@250mA_CCT=7181K_P=2.95432W_I=249.9mA



Luminaire: LEDiL Oy C14165_STRADA-2X2-ME-WIDE2_(XP-G2)
Lamps: 1 x CREE_XP-G2_2x2_(XPGBWT-L1-000-00G51)
_407.74lm@250mA_CCT=7181K_P=2.95432W_I=249.9mA



cd/klm

— C0 - C180 — C90 - C270

$\eta = 79\%$

Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XP-G2)

Lamps: 1 x Cree_XP-G2_(XPGBWT-L1-000-00-G51)_411.002lm@250mA_P=2.95164W_I=0.250A

