

## DETAILS

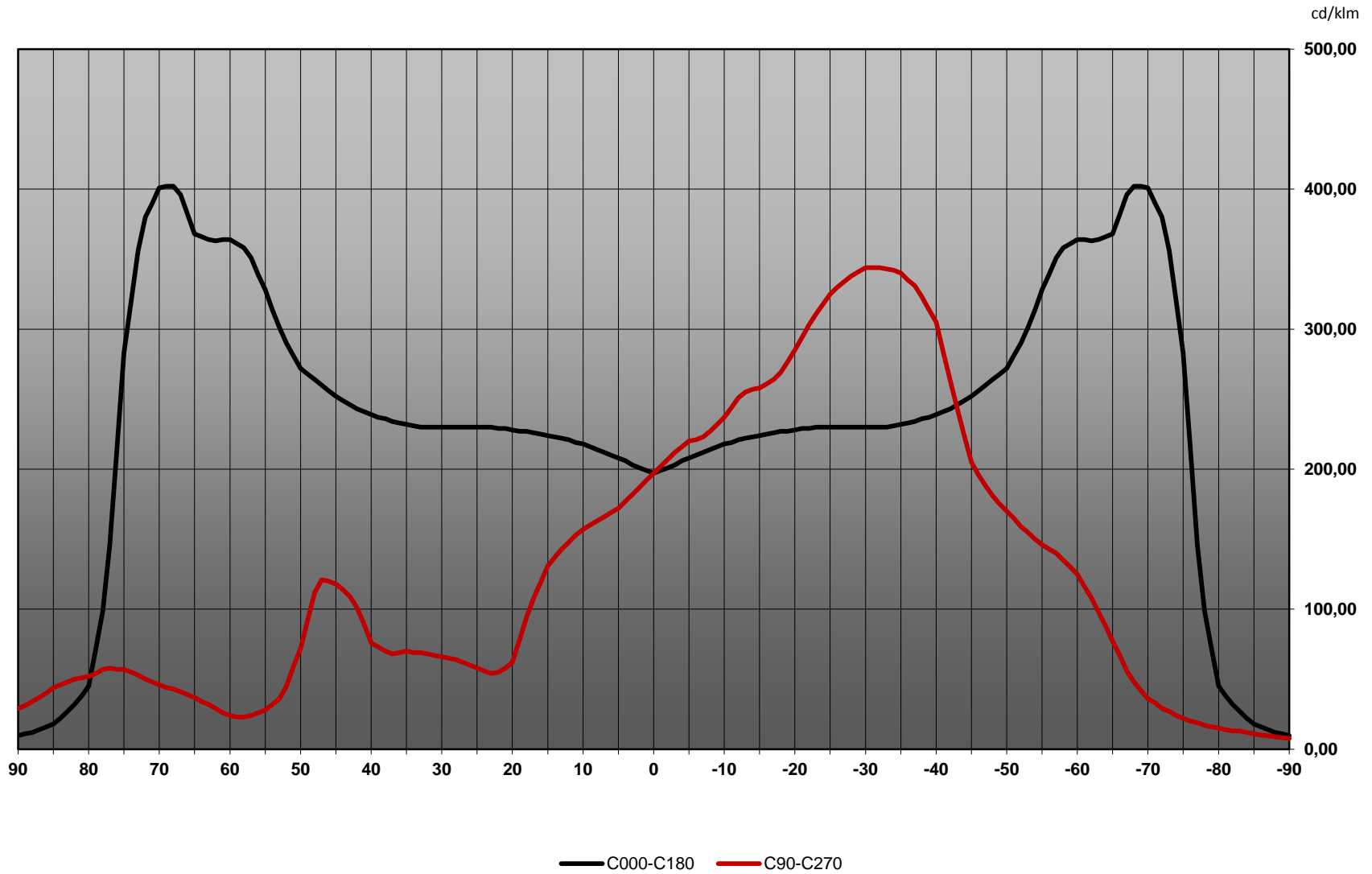
<b>Product Number</b>	C12726_STRADA-SQ-T-DWC
<b>Family</b>	Strada
<b>Type</b>	Lens
<b>Color</b>	clear
<b>Diameter</b>	25 x 25 mm
<b>Height</b>	8 mm
<b>Style</b>	square
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	glue, pin, screw
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	9/06/2017



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XM-L	Asymmetric deg	Streetligh...	94 %	0.400	-
XP-G2	Asymmetric deg	Streetligh...	94 %	1.100	-
XM-L2	asymmetric deg	Streetligh...	92 %	0.700	-
XP-L	Asymmetric deg	Streetligh...	94 %	0.700	-
MHB-A/B	sim: Asymmetric	Streetligh...	-	-	-
XHP50	Asymmetric deg	Streetligh...	93 %	0.490	-
XP-L2	Asymmetric deg	Streetligh...	94 %	0.600	-
H35C1 (LEMWA33)	Asymmetric deg	Streetligh...	94 %	1.000	-
LUXEON M/MX	Asymmetric deg	Streetligh...	94 %	0.450	-
LUXEON MZ	asymmetric deg	Streetligh...	90 %	0.700	-
NS9x383	Asymmetric deg	Streetligh...	91 %	-	-
NFMW48xA	Asymmetric deg	Streetligh...	94 %	0.590	-
Duris S8	sim: Asymmetric	Streetligh...	sim: 89 %	sim: 0.550	-
Oslo Square Gen3	sim: Asymmetric	Streetligh...	sim: 97 %	-	-
PLW7070	asym deg	Streetligh...	94 %	0.500	-

# Absolute intensity of C12726&CA12889\_STRADA-SQ-T-DWC (Luxeon M)



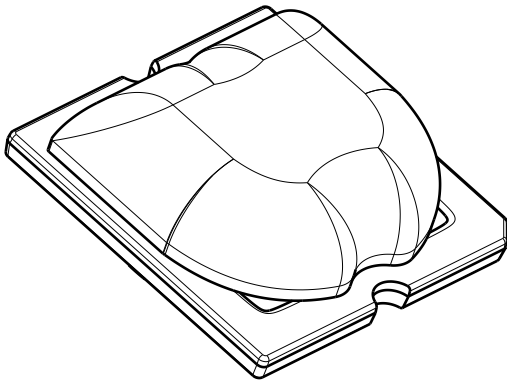
D

C

B

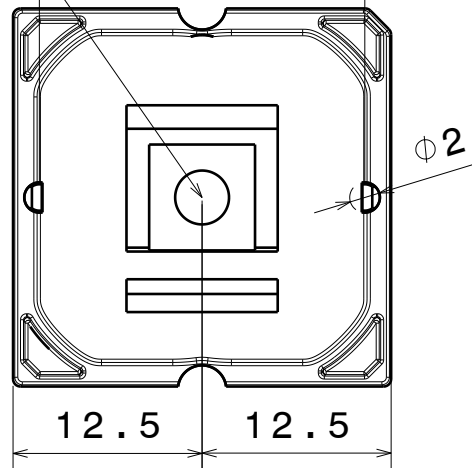
A

4



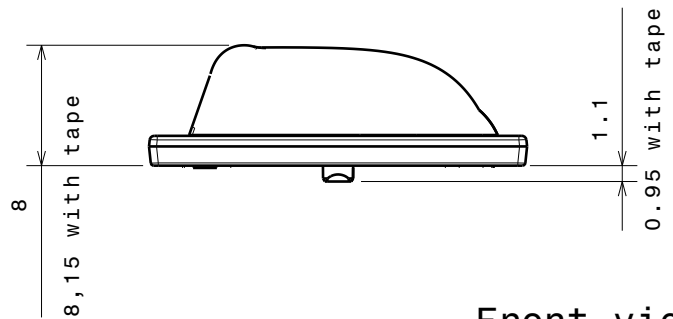
LED in center of the lens

21.5



4

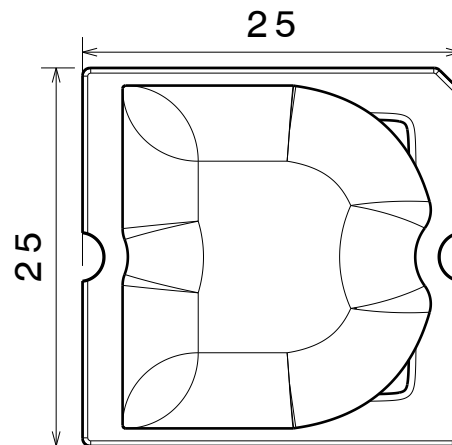
3



3

Front view

2



2

Top view

Materials:  
 Lens: PMMA

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Ledil Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland

DRAWING TITLE

Datasheet STRADA-SQ-DWC

DRAWN BY

ol

DATE

4.5.2012

CHECKED BY

PV

DATE

4.5.2012

DESIGNED BY

OL

DATE

24.4.2012

SIZE

A4

DRAWING NUMBER

C12726

REV

01

SCALE

2:1

WEIGHT (kg)

0,00

SHEET

1/1

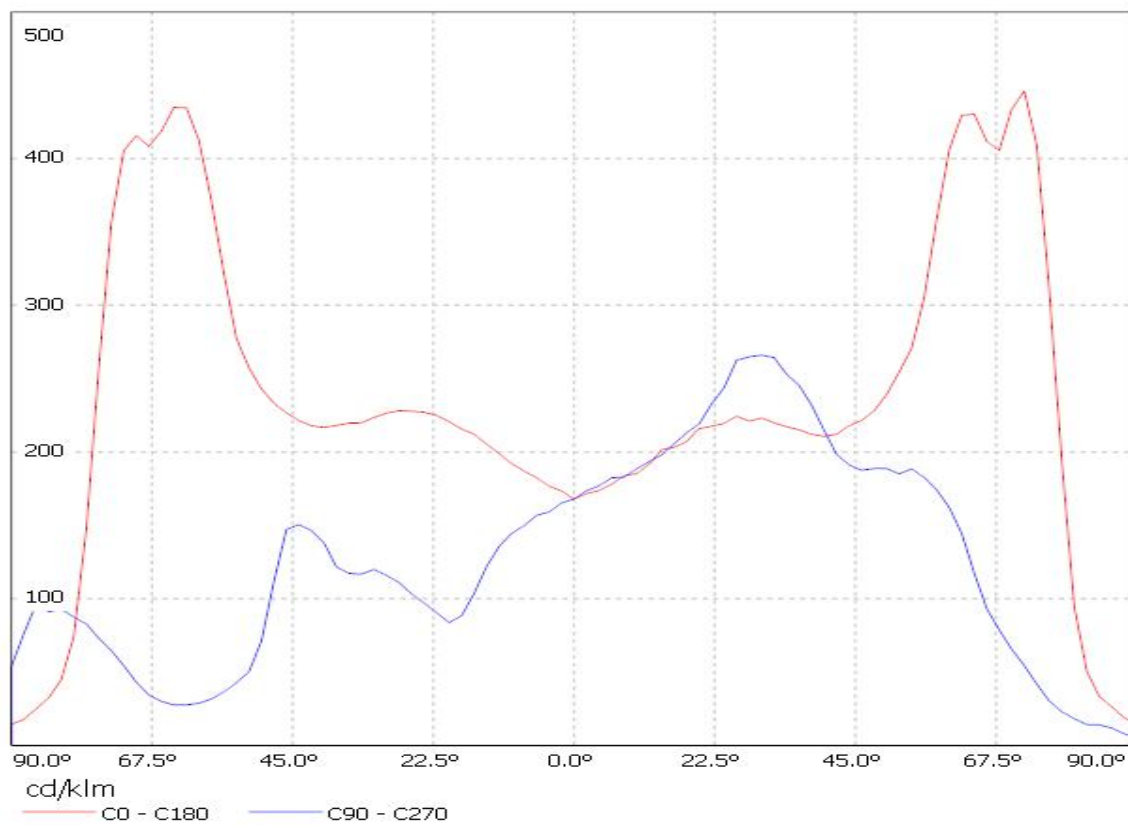
D

A

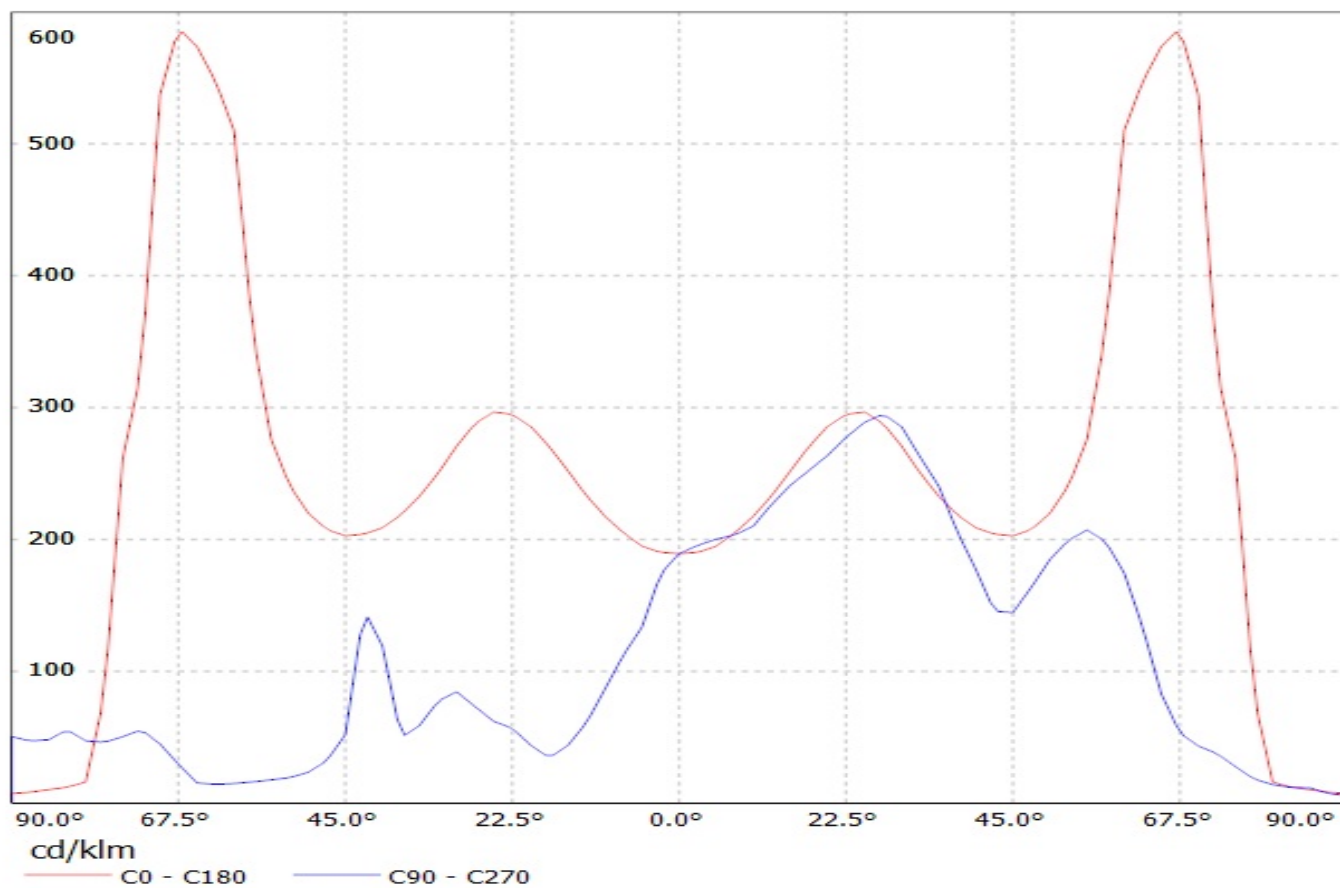
1

1

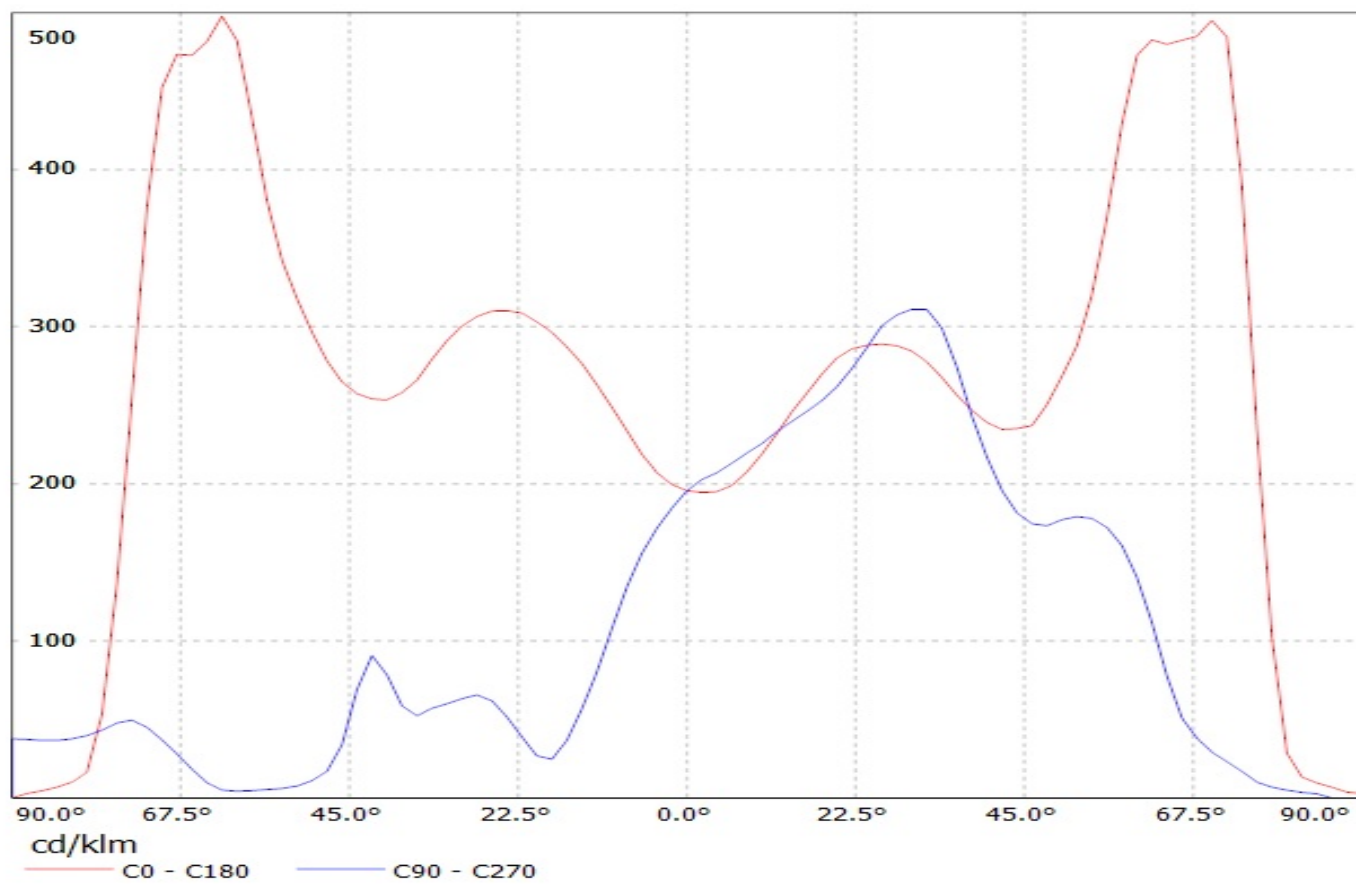
Luminaire: Ledil Oy C12726\_STRADA-SQ-T-DWC/CA12889\_STRADA-SQ-T-DWC (Cree XM-L 90lm @ 250mA) Efficiency=94%  
Lamps: 1 x Cree XM-L 90lm @ 250mA



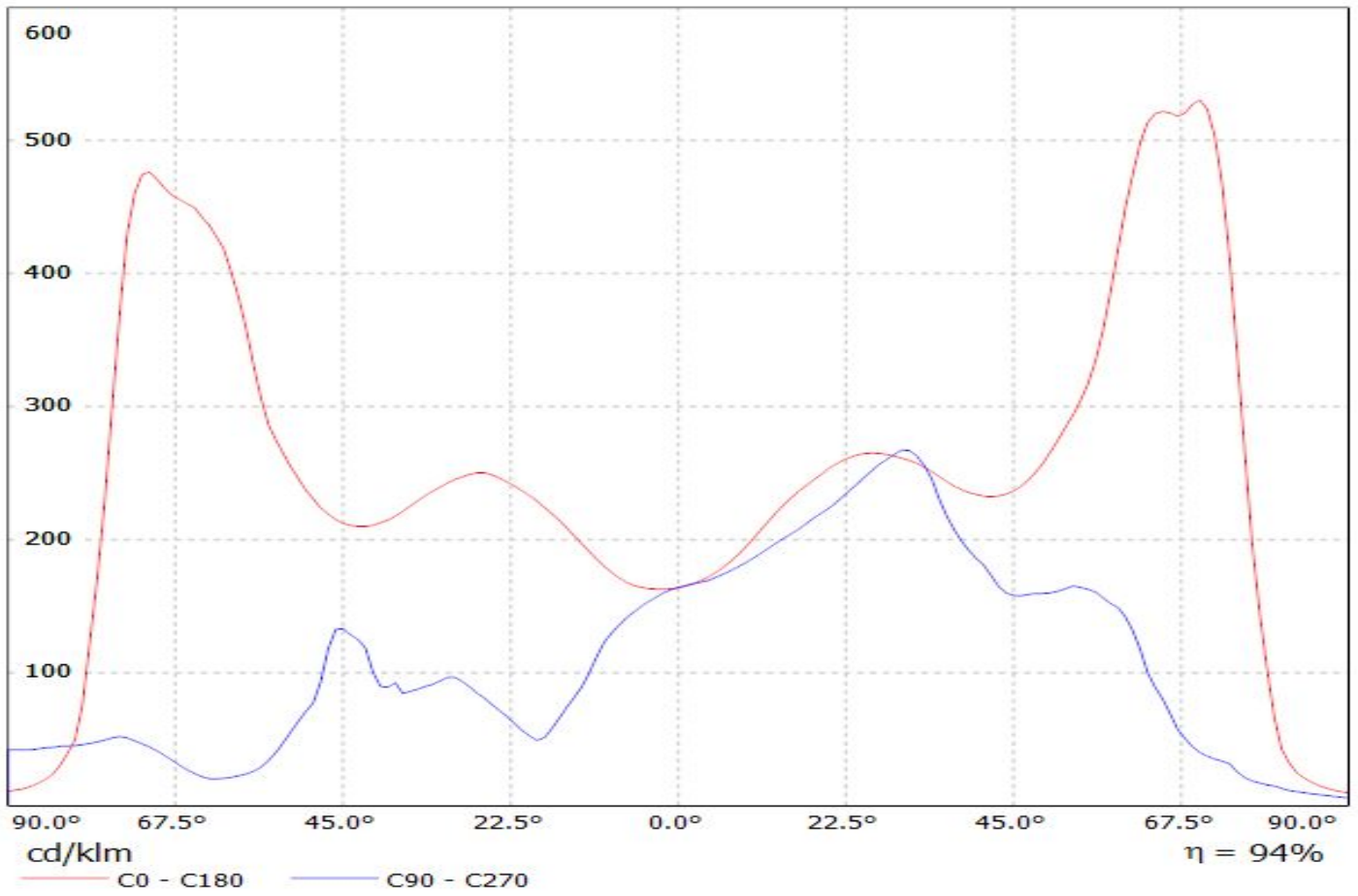
Valaisin: LEDIL OY C12726\_STRADA-SQ-T-DWC\_(XP-G2) efficiency=94%  
Lamput: 1 x CREE XP-G2 (109.1lm@250mA)



Luminaire: LEDil Oy C12726\_STRADA-SQ-T-DWC\_(XM-L2) Efficiency=92%  
Lamps: 1 x CRee XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3220K P=0.7W I=250mA

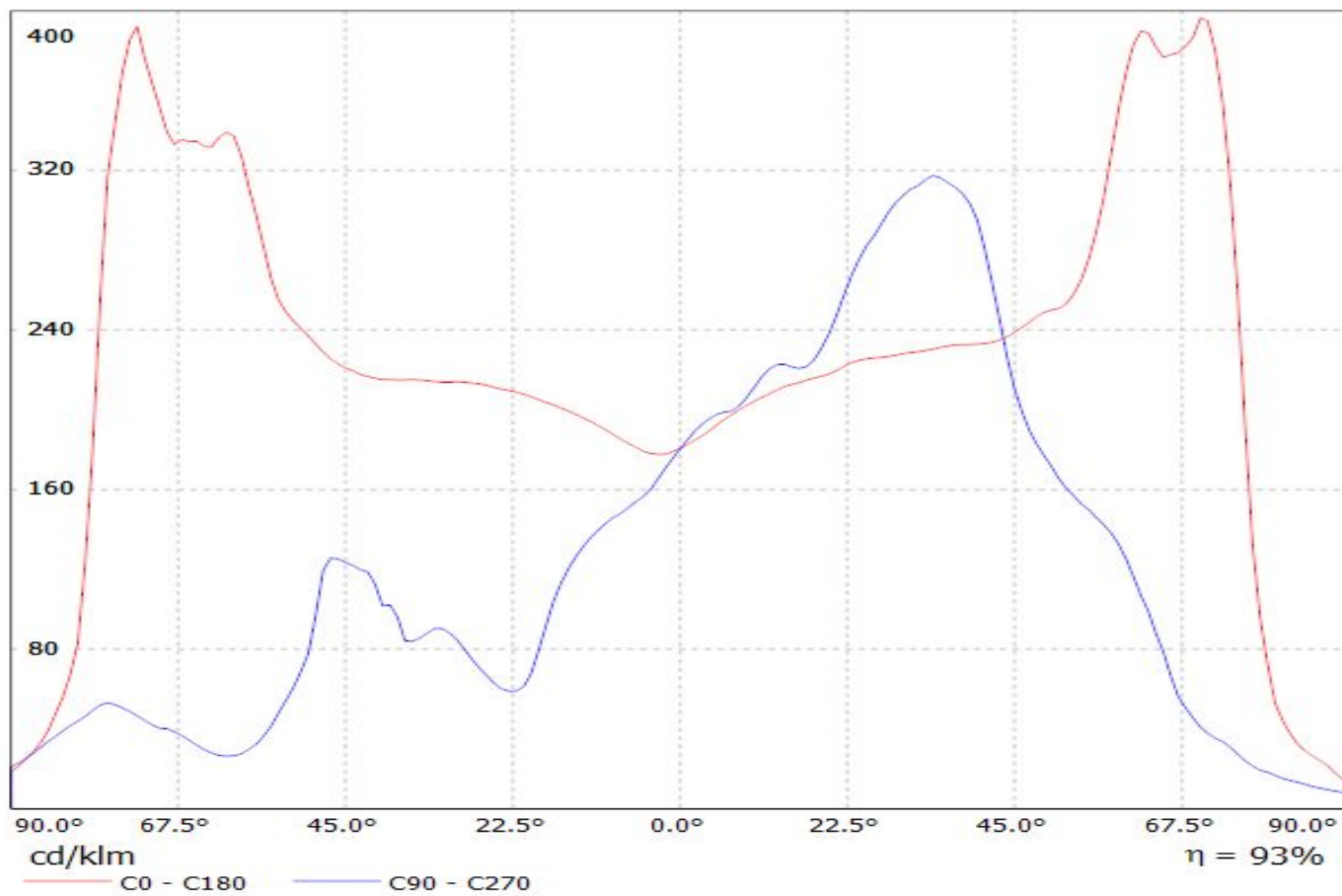


Luminaire: LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_127.23lm@250mA\_P=0.738255W\_I=249.9mA



Luminaire: LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(CREE\_XHP50\_COOL\_WHITE)

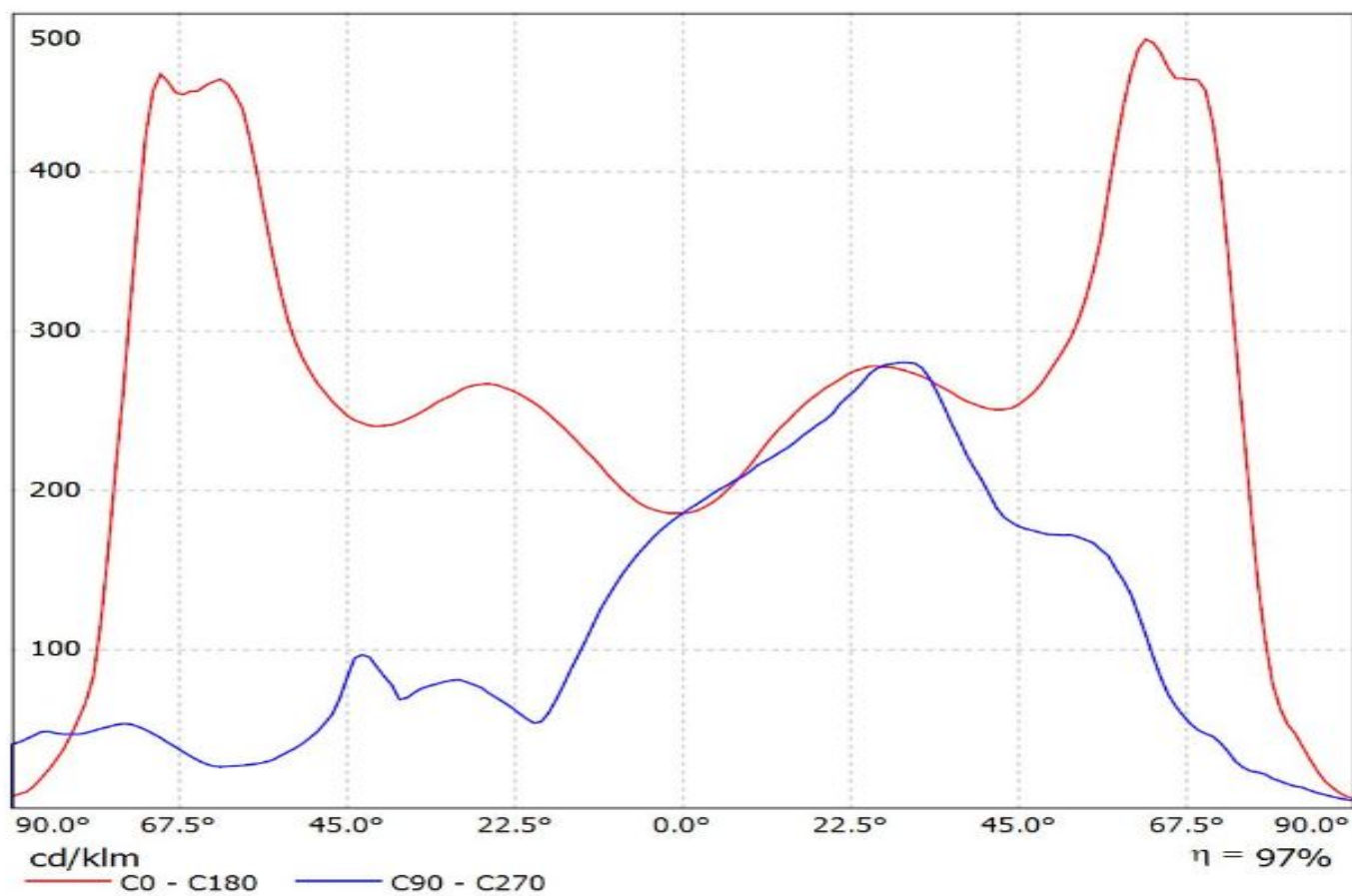
Lamps: 1 x CREE\_XHP50\_COOL\_WHITE\_242.068lm@250mA\_CCT=COOLWHITE\_I=02499mA\_P=1.42958





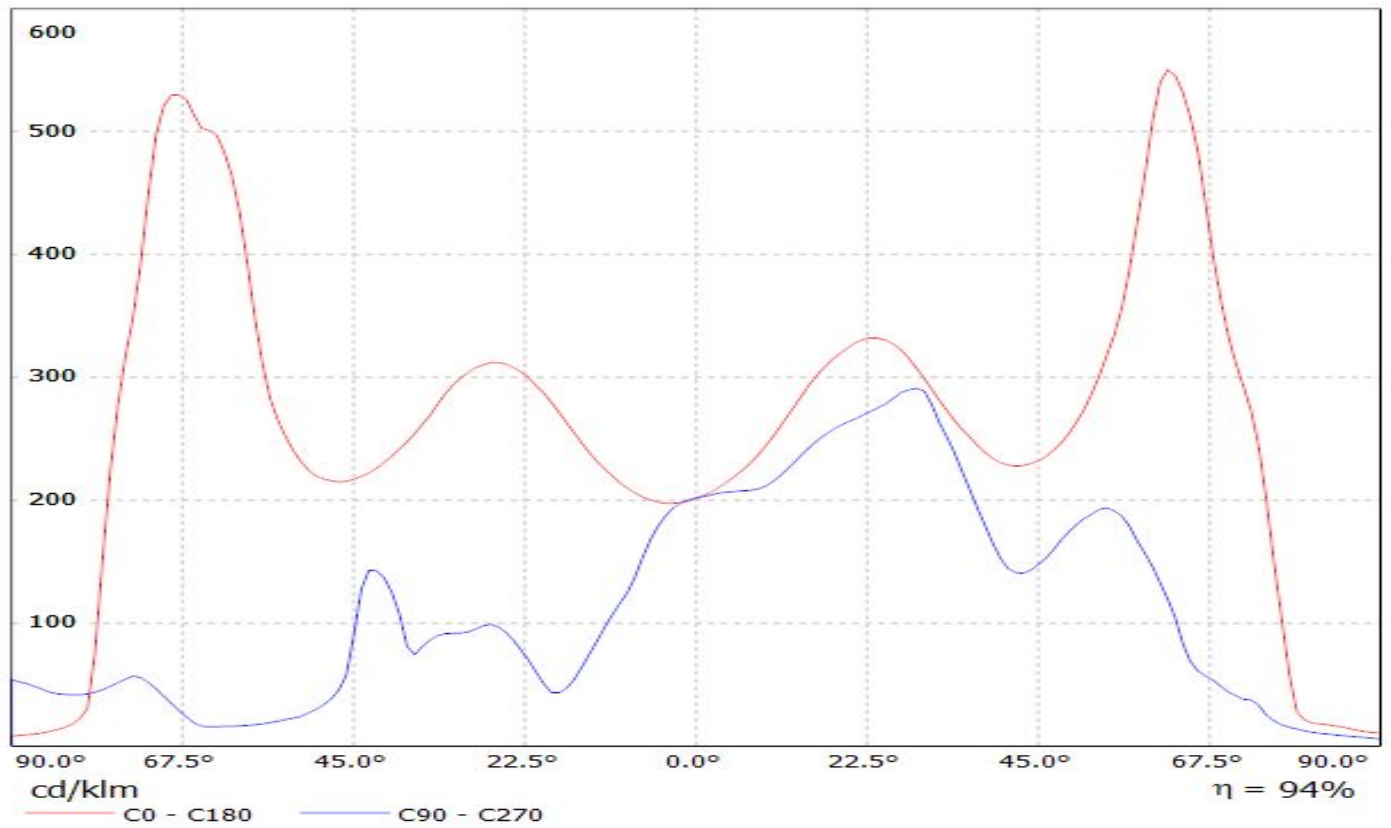
Luminaire: Ledil C12726\_STRADA-SQ-T-DWC\_(XP-L2)

Lamps: 1 x Cree\_XP-L2\_(XPLWT-00-0000-000HU630G)\_115.868lm@250mA\_P=0.717875W\_I=0.25A

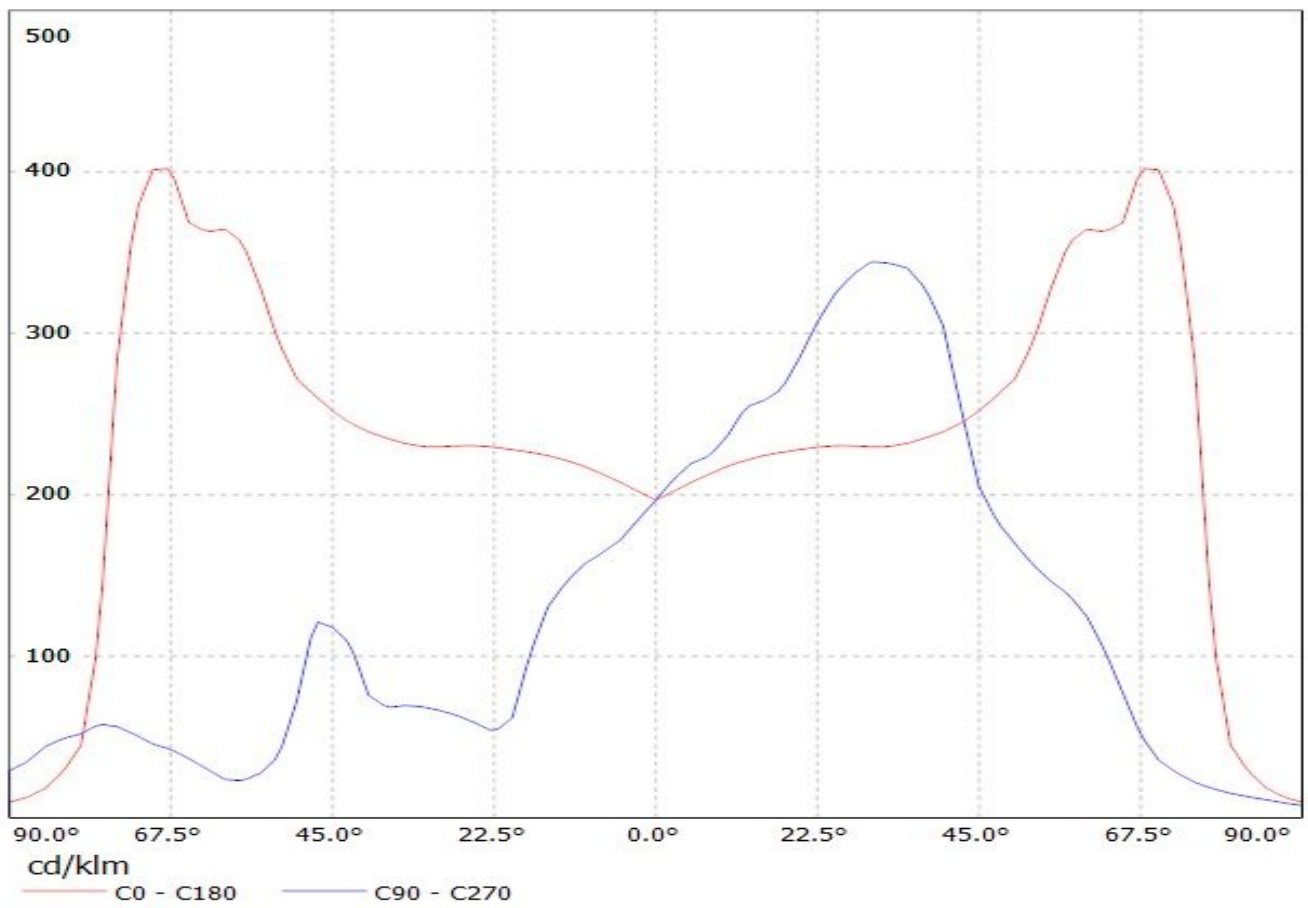


**LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(LG-3535-CERAMIC-GEN2) Eff.94.0% / LDC (Linear)**

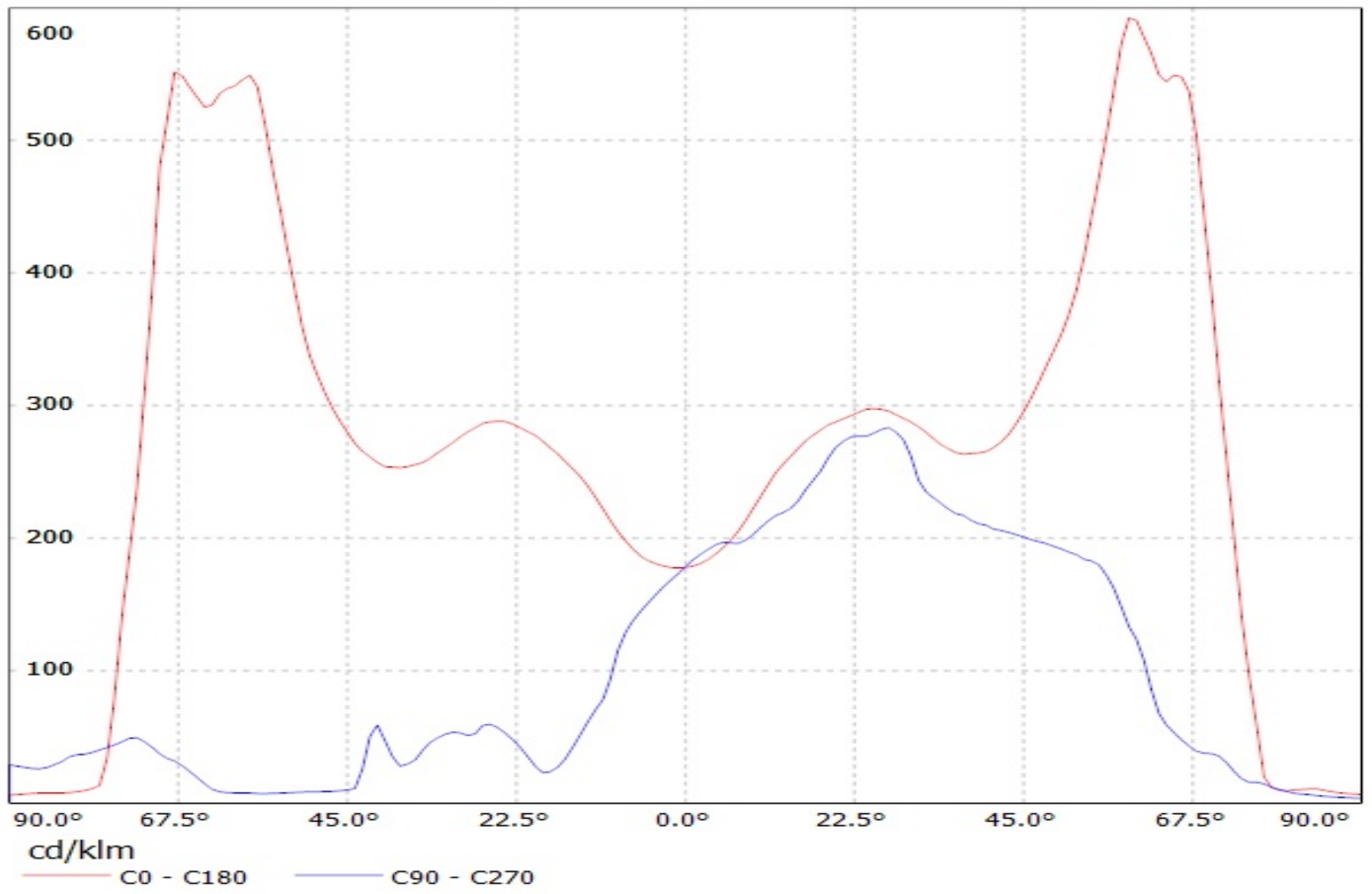
Luminaire: LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(LG-3535-CERAMIC-GEN2) Eff.94.0%  
Lamps: 1 x LG-3535-CERAMIC-GEN2\_117.67lm@250mA\_P=0.755298W\_CCT=6235K\_I=249.9mA



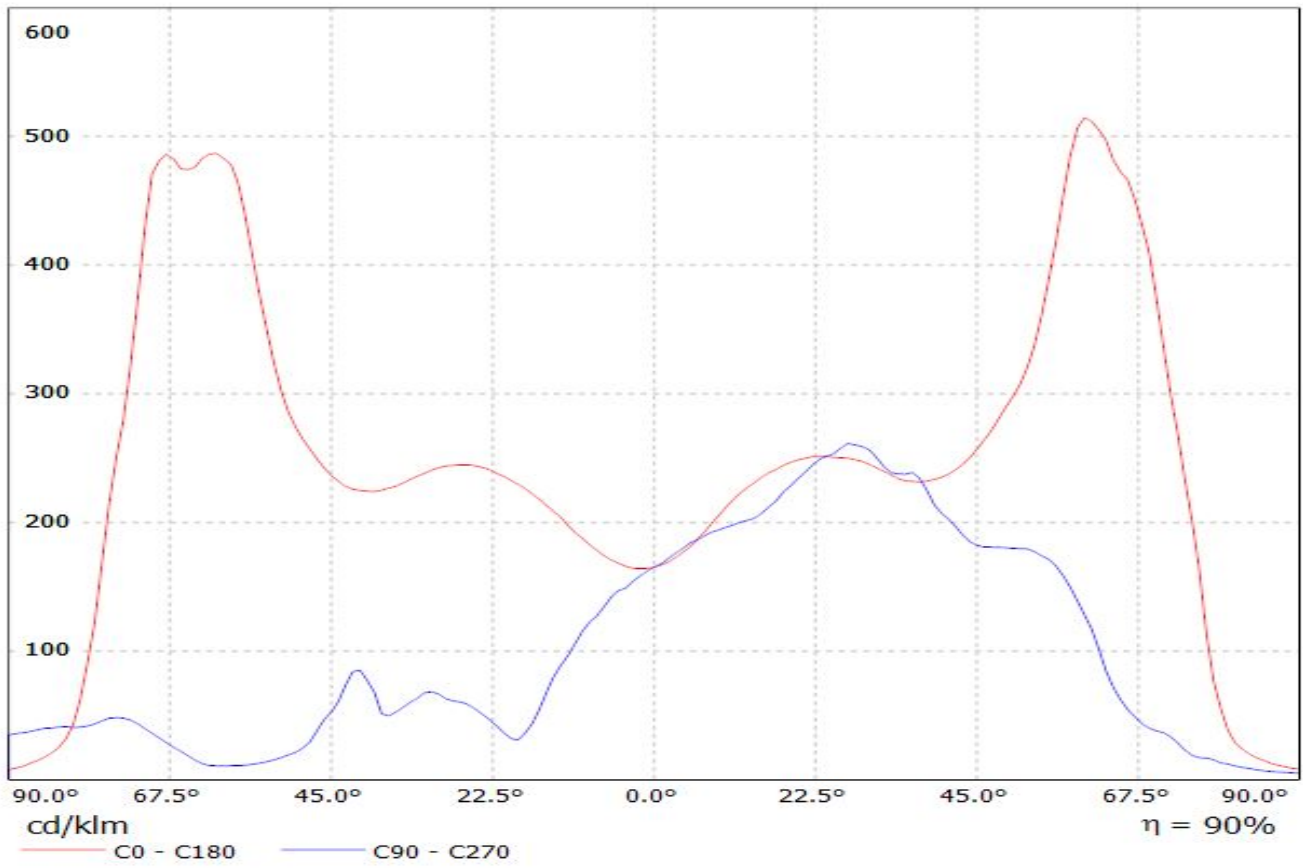
Luminaire: LEDiL C12726&CA12889\_STRADA-SQ-T-DWC (Luxeon M) Efficiency=94%  
Lamps: 1 x Luxeon M (360lm@250mA)



Luminaire: LEDiL Oy CA12889\_STRADA-SQ-T-DWC\_(LUXEON-MZ) Eff: 90%  
Lamps: 1 x LUXEON-MZ\_263.073lm@250mA\_P=2.7399W\_I=249.9mA

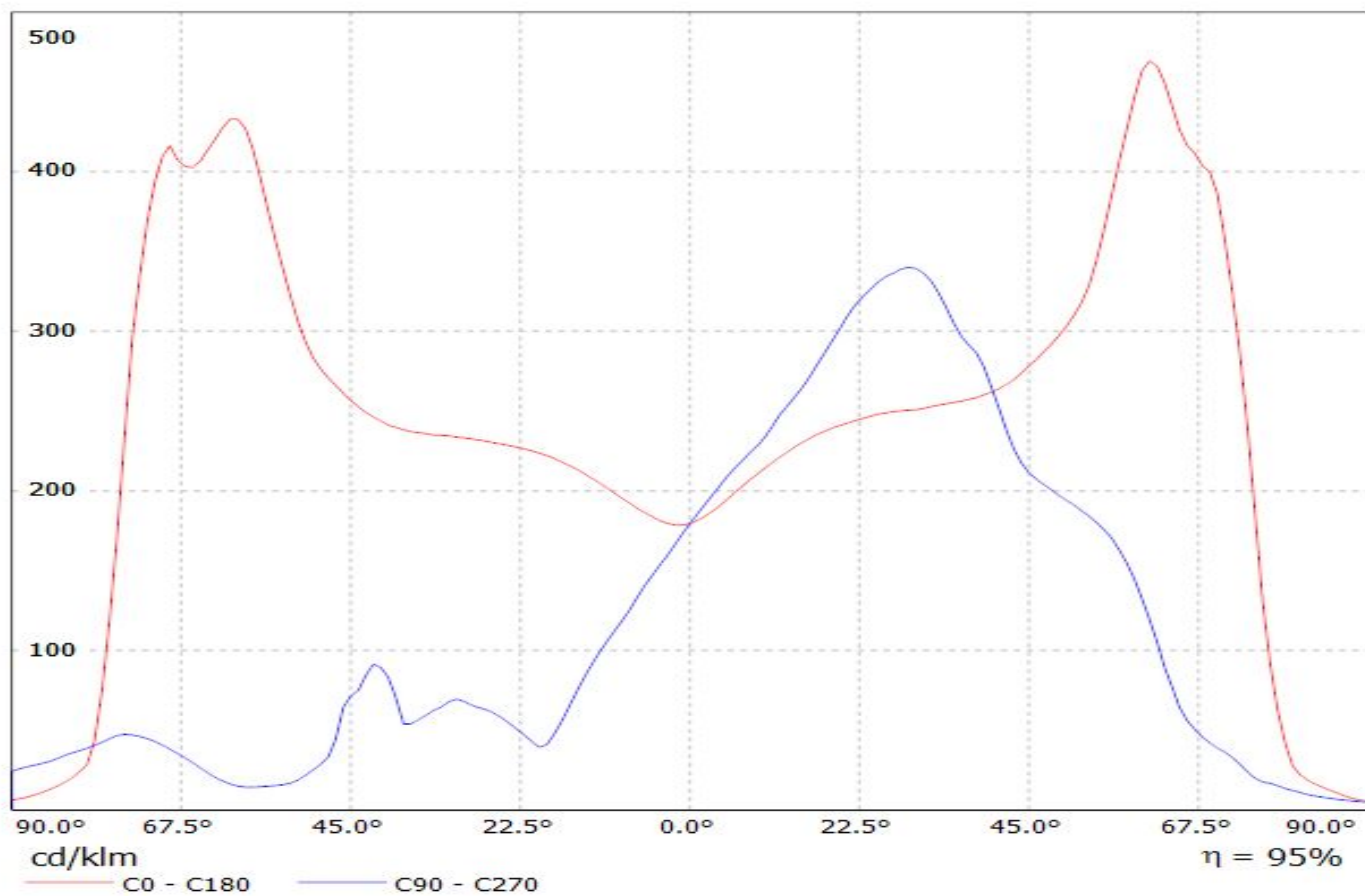


Luminaire: LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(NS9x383) Eff. 89,9%  
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



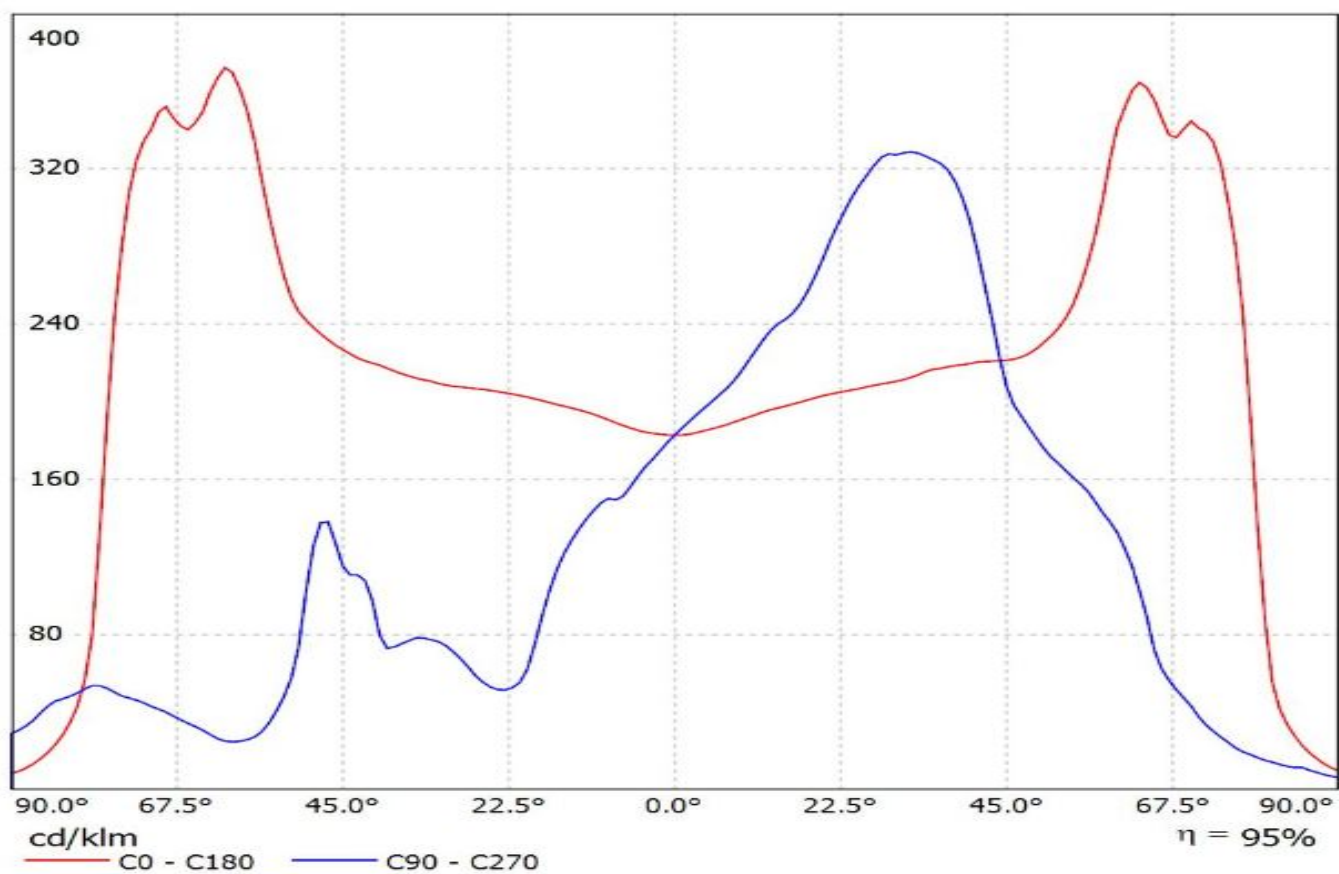
Luminaire: LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(NFMx48xAR)

Lamps: 1 x Nichia\_NFMx48xAR\_(NFMW488AR)\_574.333lm@100mA\_P=4.0048W\_I=0.100A

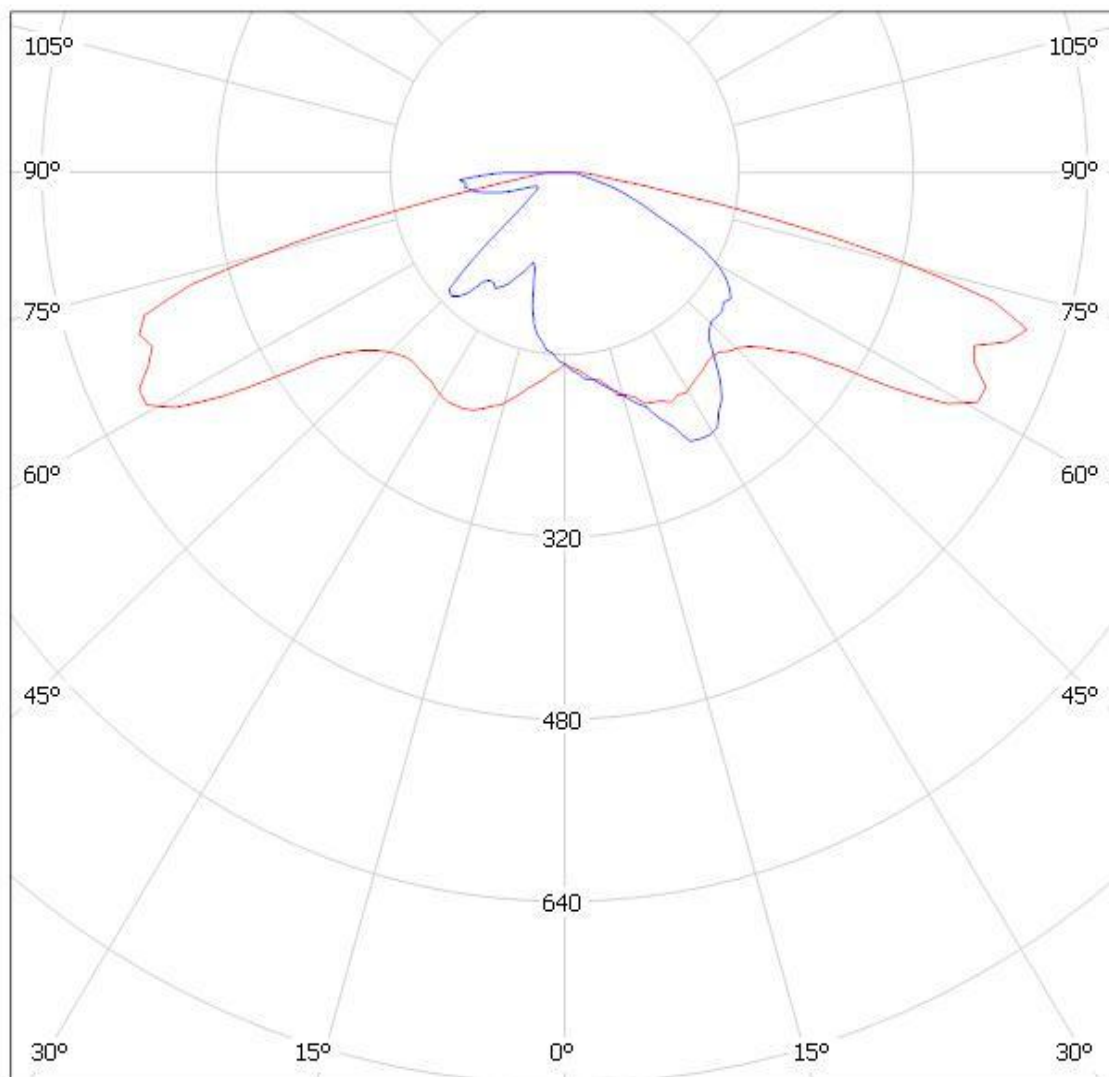


Luminaire: Ledil C12726\_STRADA-SQ-T-DWC\_(Plessey\_7070)

Lamps: 1 x Plessey\_7070\_(PLW37070GA740000)\_412.85lm@250mA\_P=2.82975W\_I=0.25A



Luminaire: Ledil Oy C12726\_STRADA-SQ-T-DWC/CA12889\_STRADA-SQ-T-DWC (Cree XM-L 90lm @ 250mA) Efficiency=94%  
Lamps: 1 x Cree XM-L 90lm @ 250mA



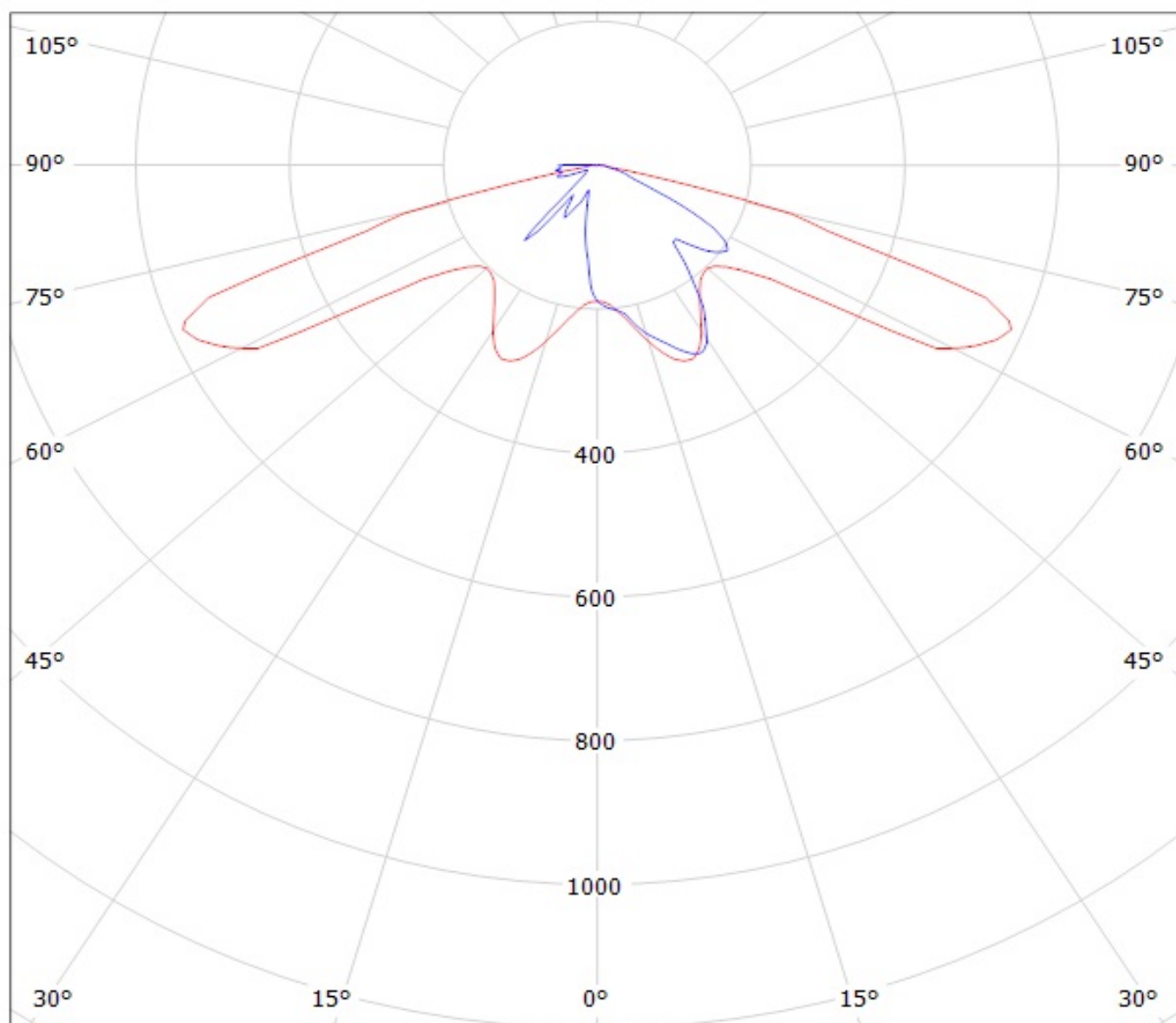
cd/klm

— C0 - C180

— C90 - C270



Valaisin: LEDIL OY C12726\_STRADA-SQ-T-DWC\_(XP-G2) efficiency=94%  
Lamput: 1 x CREE XP-G2 (109.1lm@250mA)

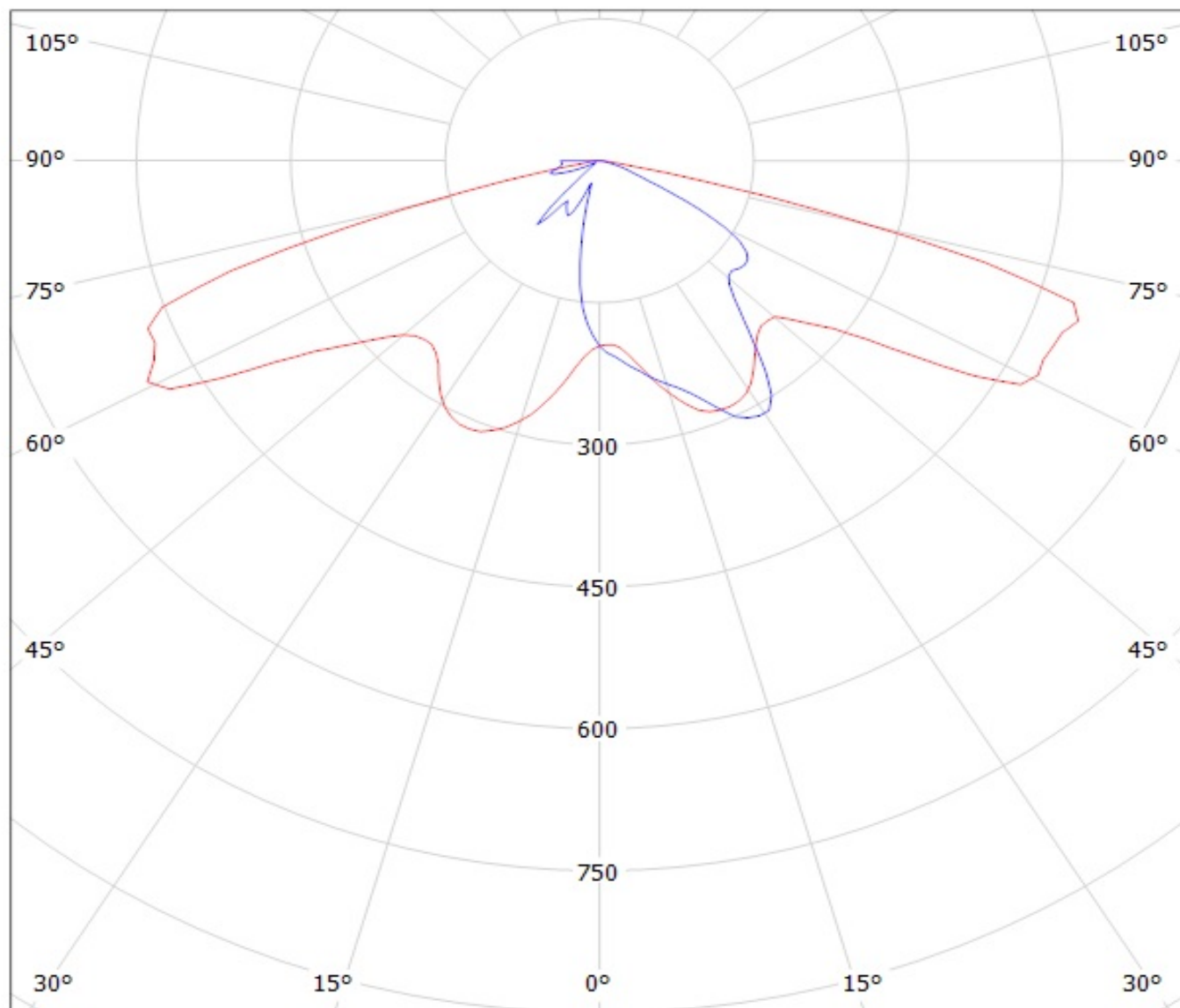


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy C12726\_STRADA-SQ-T-DWC\_(XM-L2) Efficiency=92%  
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3220K P=0.7W I=250mA

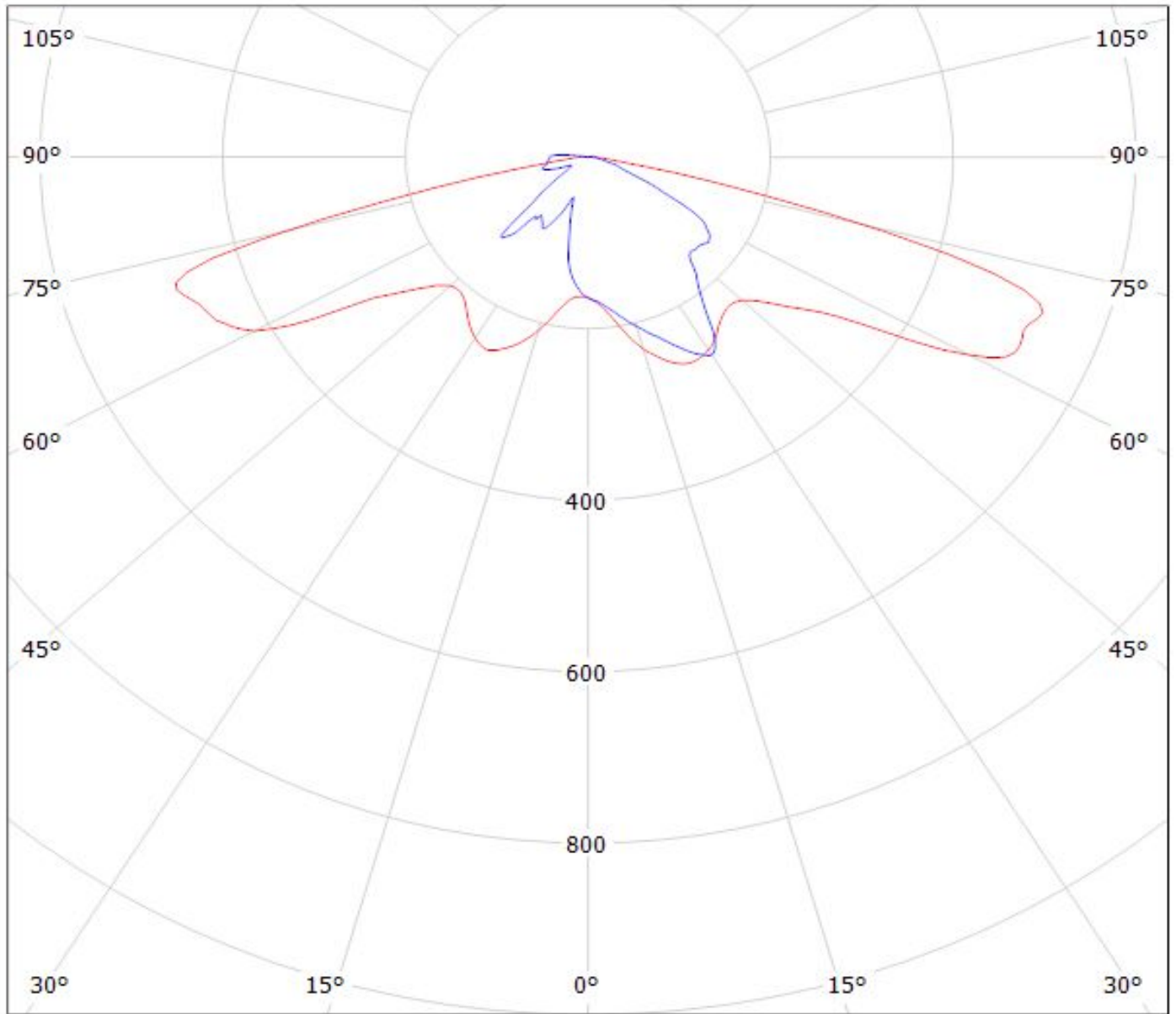


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_127.23lm@250mA\_P=0.738255W\_I=249.9mA



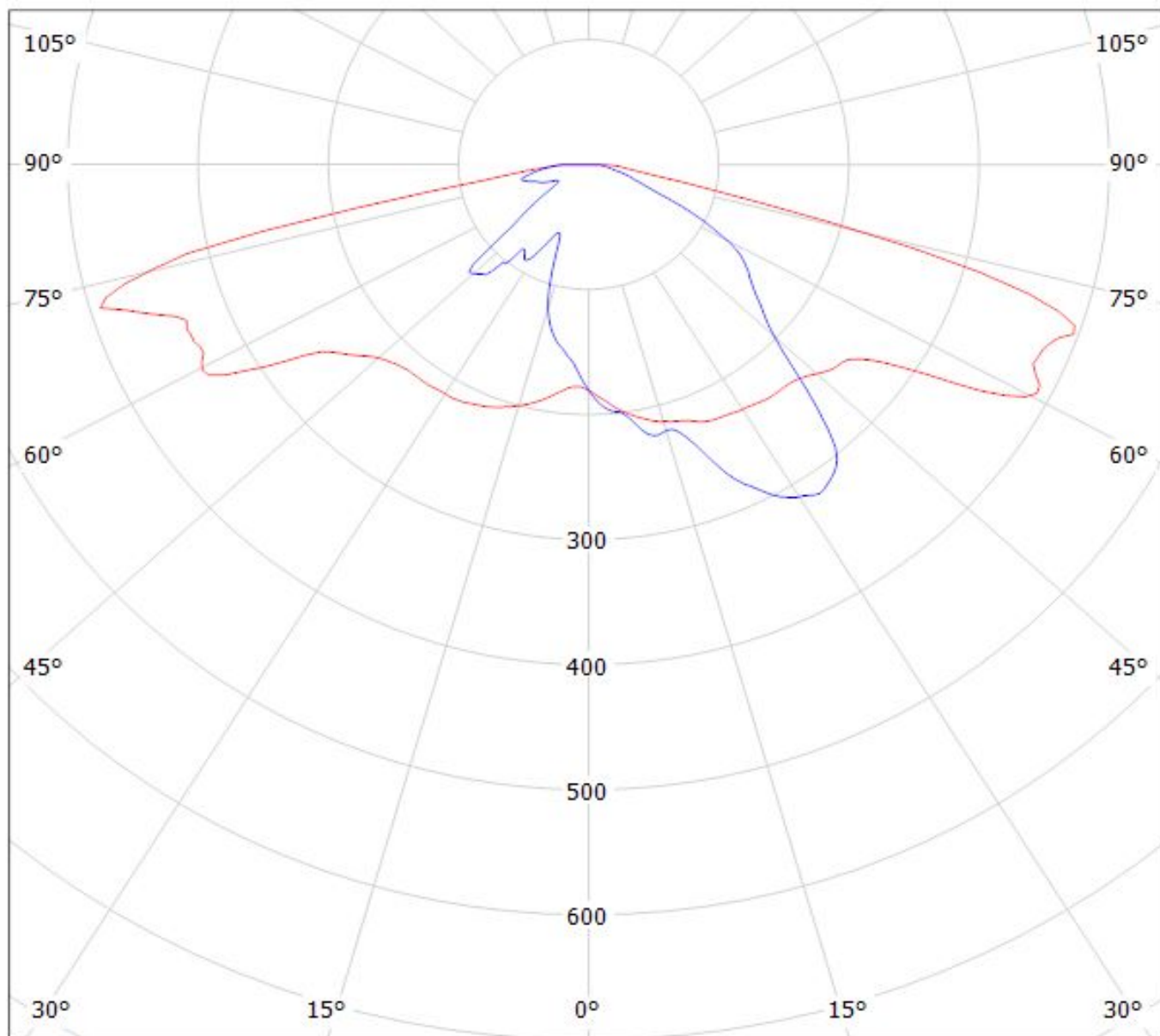
cd/klm

— C0 - C180    — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(CREE\_XHP50\_COOL\_WHITE)

Lamps: 1 x CREE\_XHP50\_COOL\_WHITE\_242.068lm@250mA\_CCT=COOLWHITE\_I=02499mA\_P=1.42958



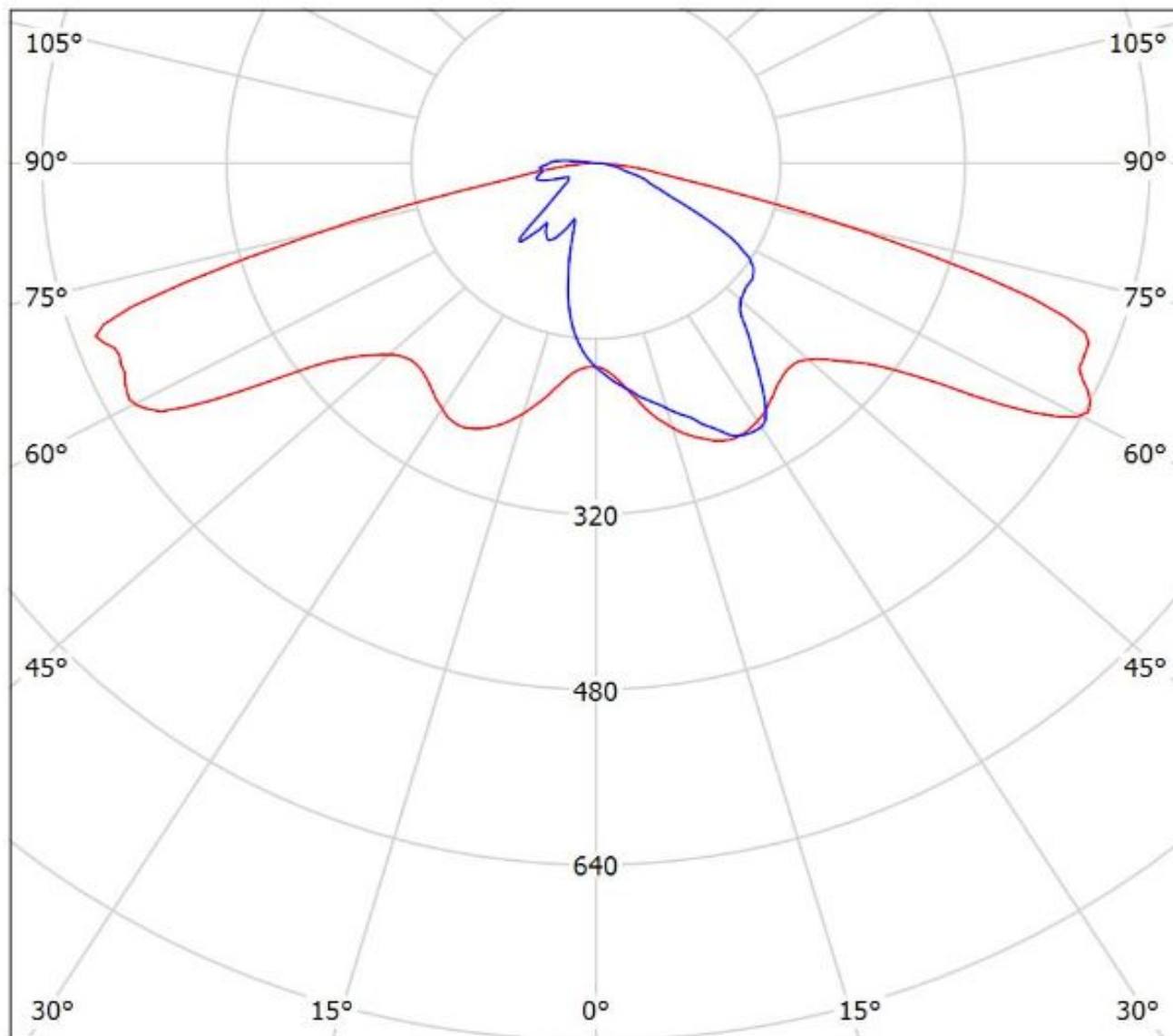
cd/klm

— C0 - C180    — C90 - C270

$\eta = 93\%$

Luminaire: Ledil C12726\_STRADA-SQ-T-DWC\_(XP-L2)

Lamps: 1 x Cree\_XP-L2\_(XPLWT-00-0000-000HU630G)\_115.868lm@250mA\_P=0.717875W\_I=0.25A



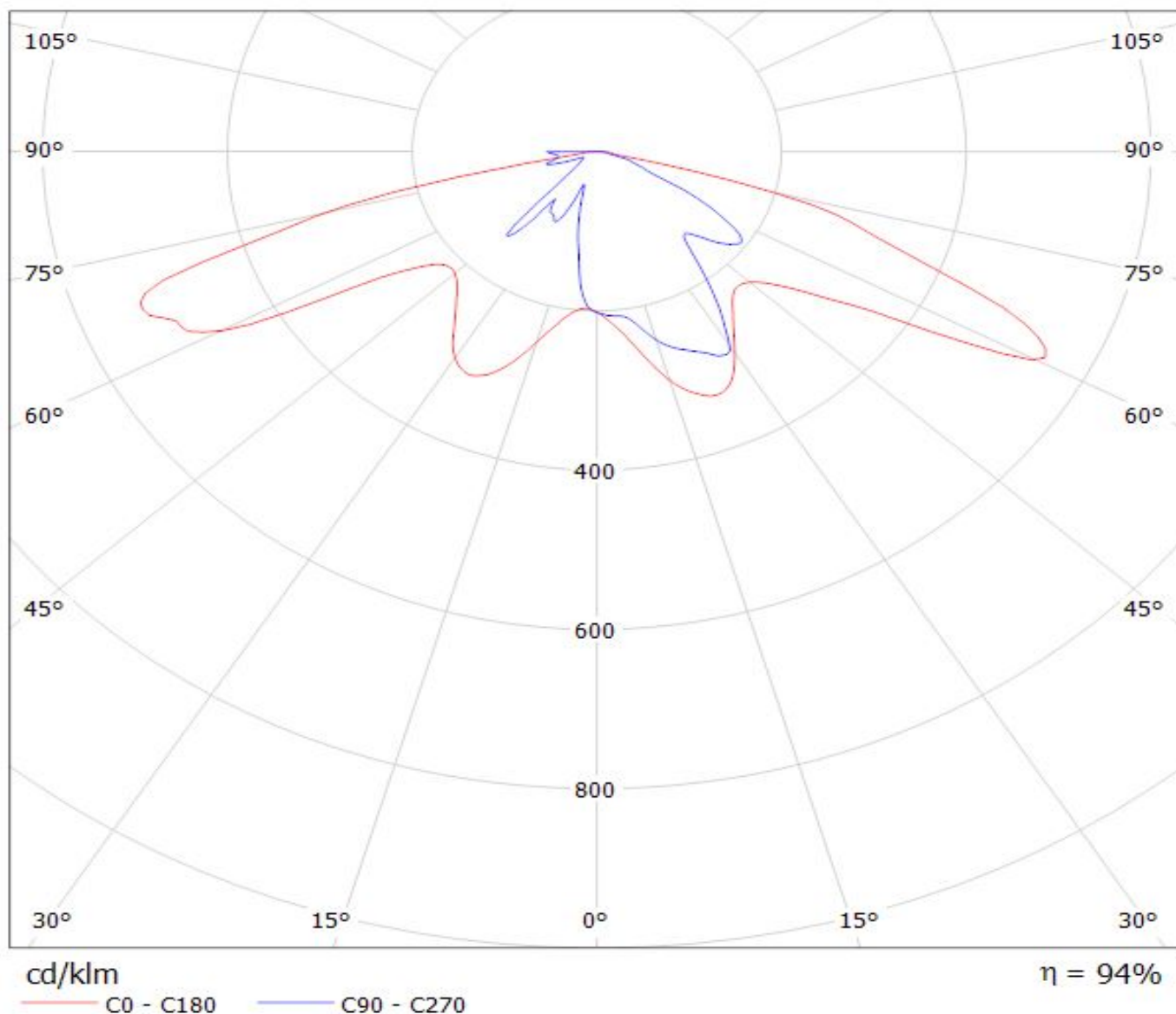
cd/klm

— C0 - C180 — C90 - C270

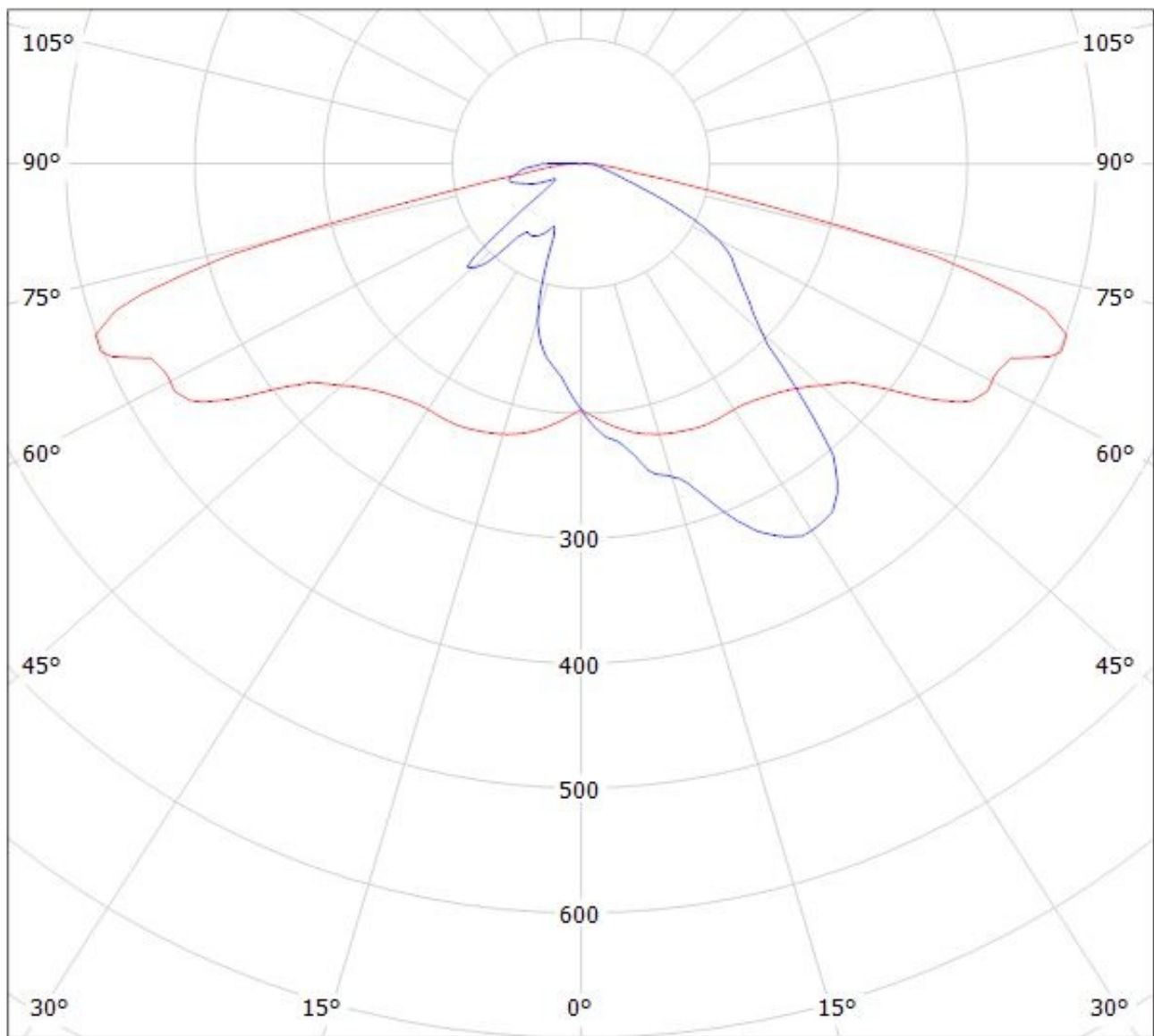
$\eta = 97\%$

**LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(LG-3535-CERAMIC-GEN2) Eff.94.0% /  
LDC (Polar)**

Luminaire: LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(LG-3535-CERAMIC-GEN2) Eff.94.0%  
Lamps: 1 x LG-3535-CERAMIC-GEN2\_117.67lm@250mA\_P=0.755298W\_CCT=6235K\_I=249.9mA



Luminaire: LEDiL C12726&CA12889\_STRADA-SQ-T-DWC (Luxeon M) Efficiency=94%  
Lamps: 1 x Luxeon M (360lm@250mA)

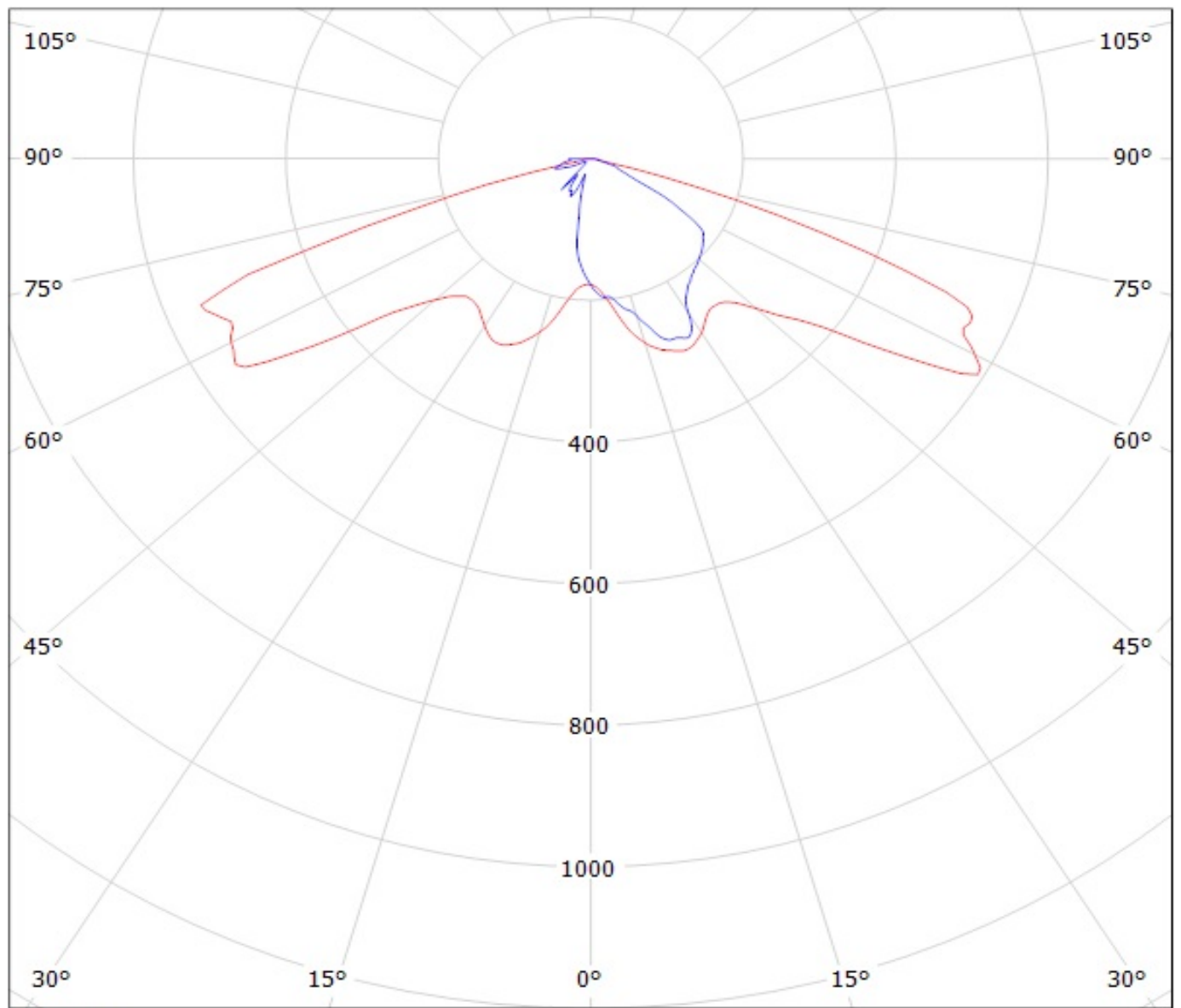


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA12889\_STRADA-SQ-T-DWC\_(LUXEON-MZ) Eff: 90%  
Lamps: 1 x LUXEON-MZ\_263.073lm@250mA\_P=2.7399W\_I=249.9mA

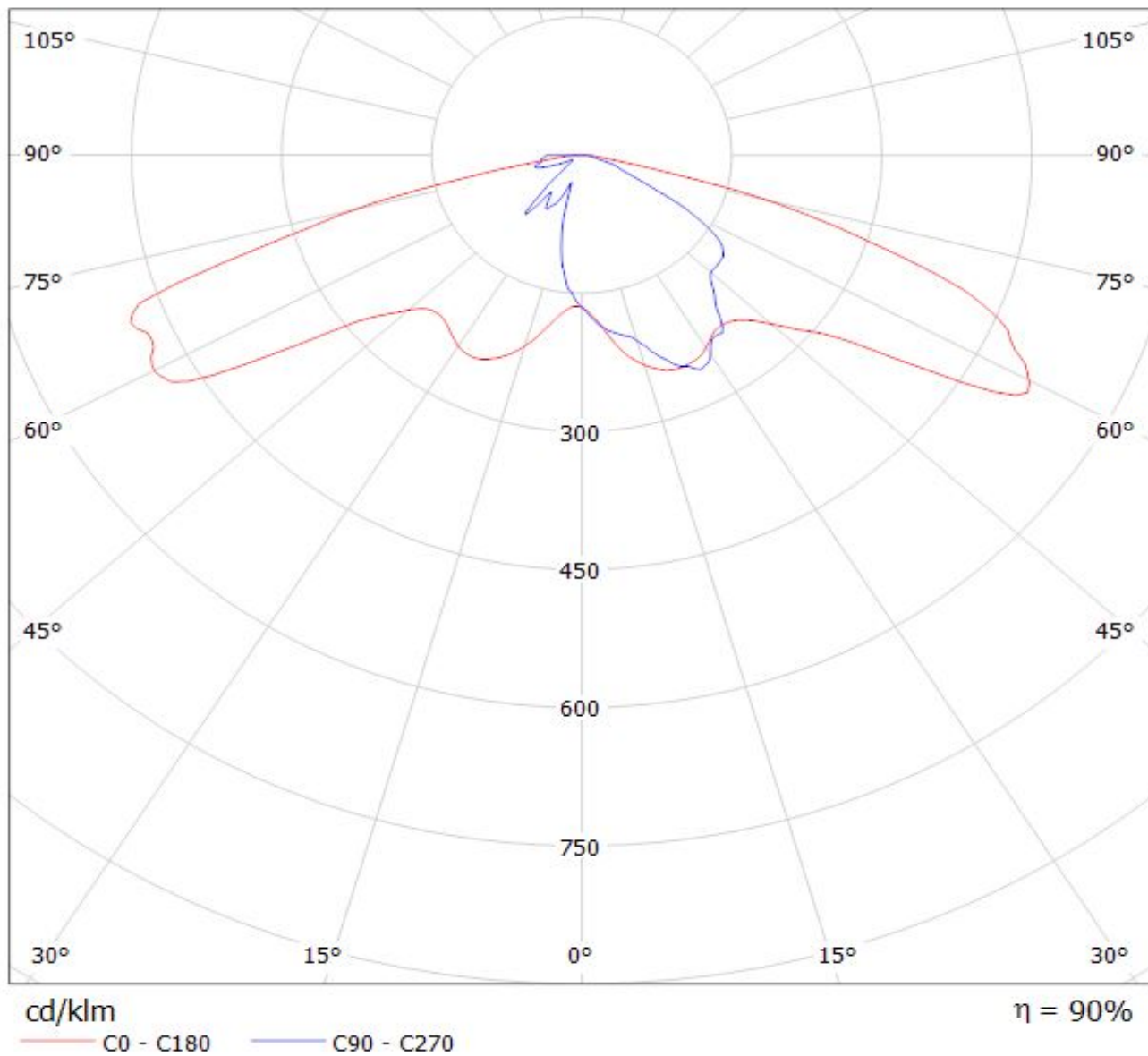


cd/klm

— C0 - C180    — C90 - C270

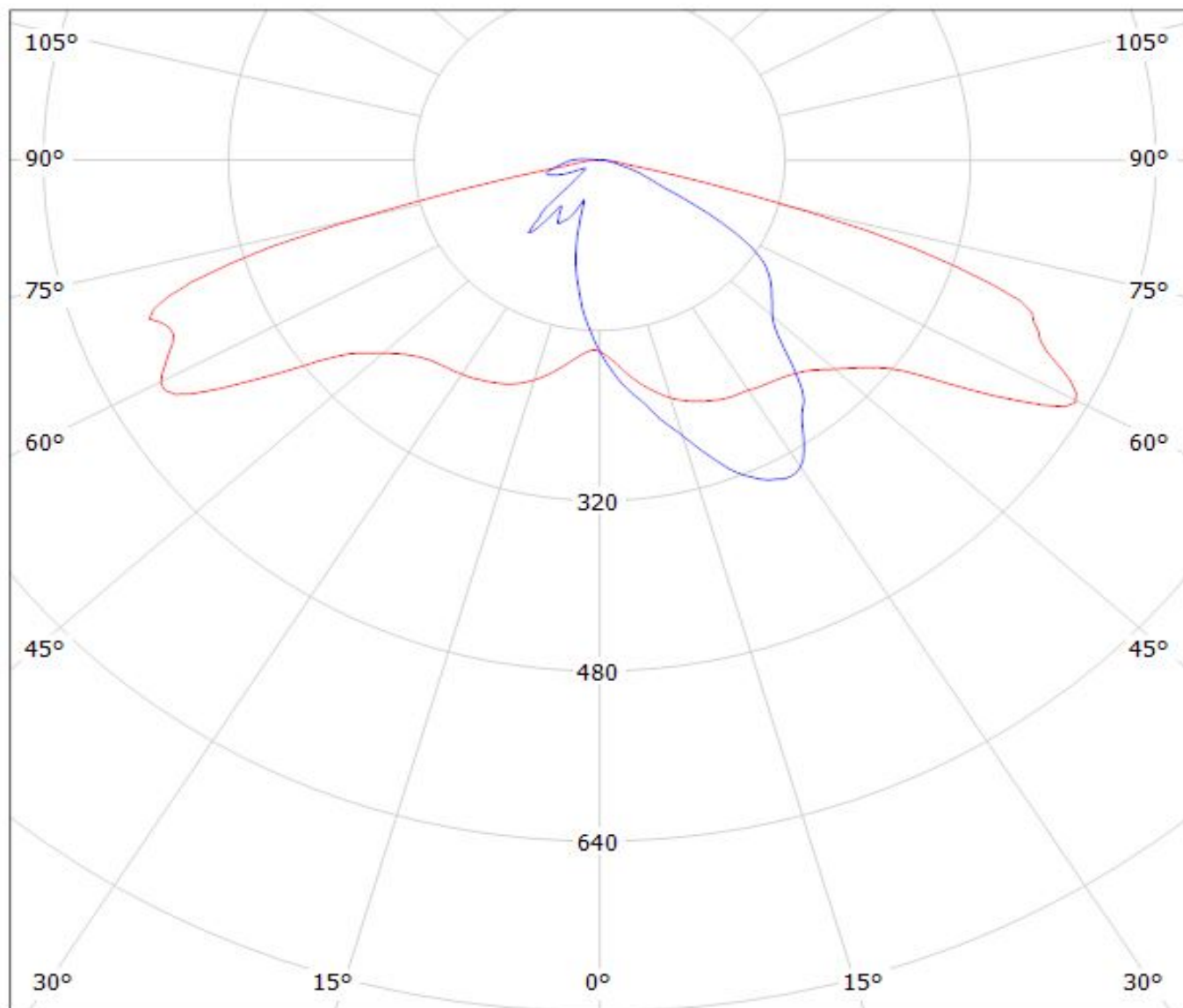


Luminaire: LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(NS9x383) Eff. 89,9%  
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



Luminaire: LEDiL Oy C12726\_STRADA-SQ-T-DWC\_(NFMx48xAR)

Lamps: 1 x Nichia\_NFMx48xAR\_(NFMW488AR)\_574.333lm@100mA\_P=4.0048W\_I=0.100A



cd/klm

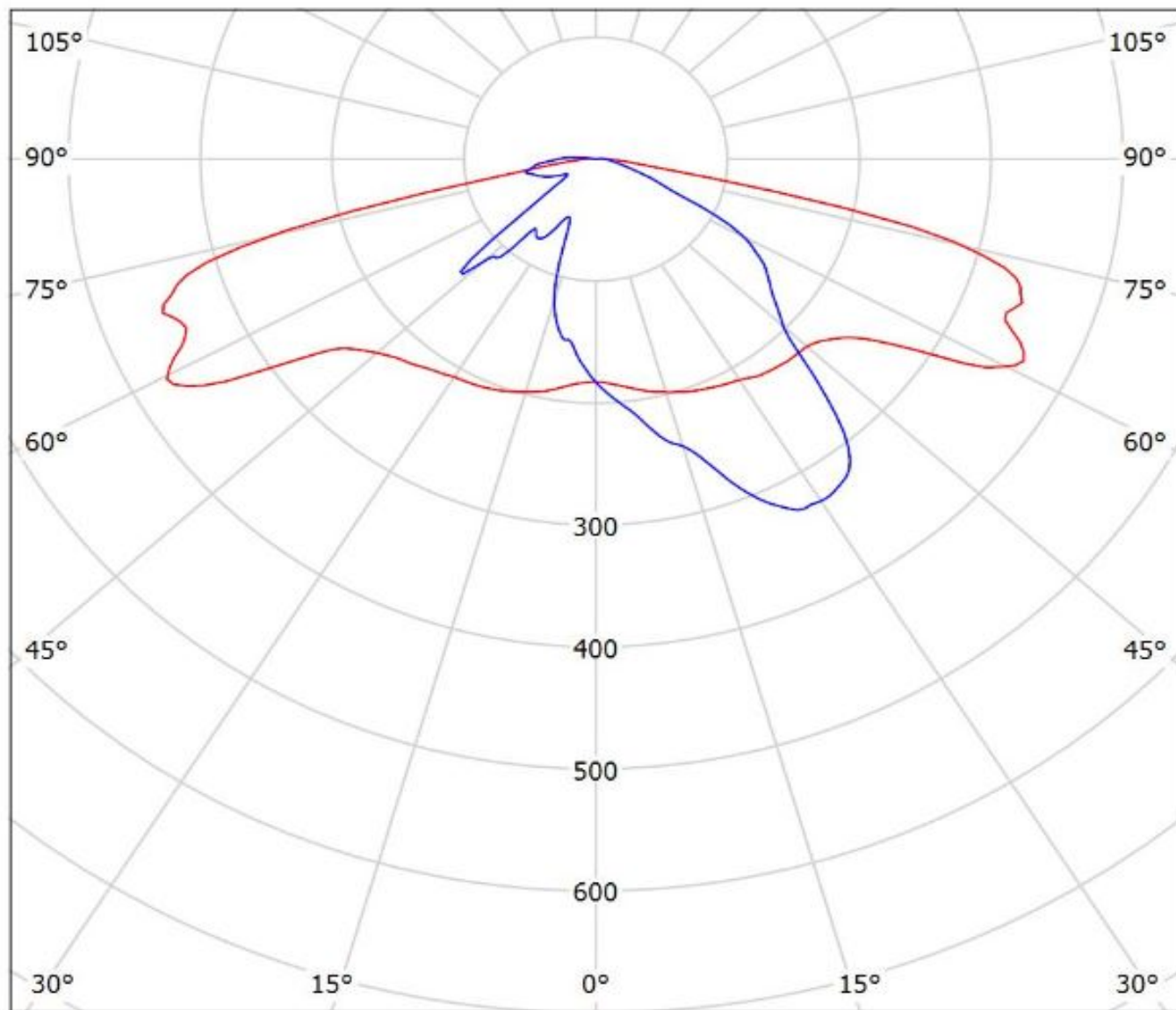
$\eta = 95\%$

— C0 - C180

— C90 - C270

Luminaire: Ledil C12726\_STRADA-SQ-T-DWC\_(Plessey\_7070)

Lamps: 1 x Plessey\_7070\_(PLW37070GA740000)\_412.851lm@250mA\_P=2.82975W\_I=0.25A



cd/klm

— C0 - C180    — C90 - C270

$\eta = 95\%$

**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.**