

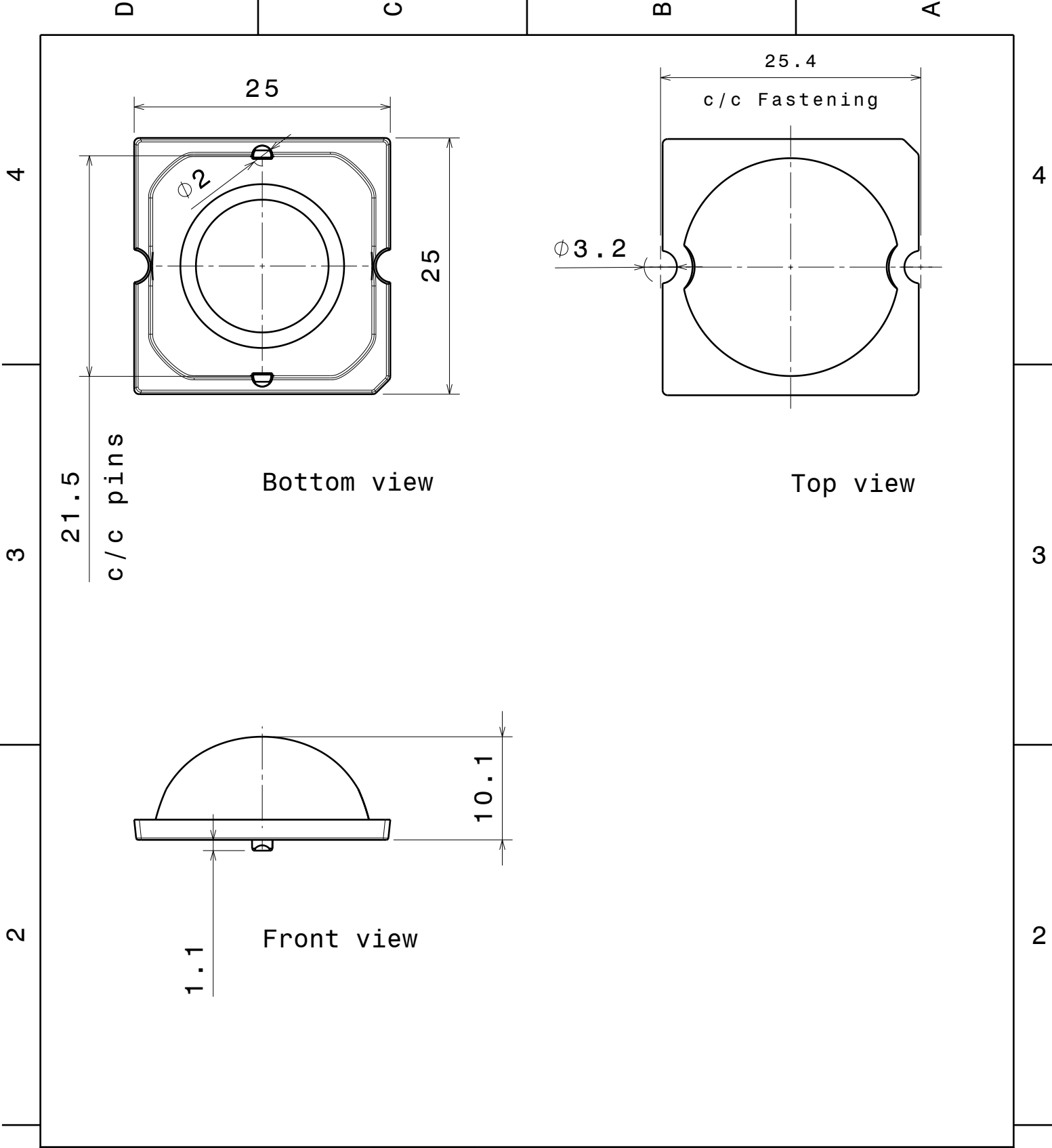
## DETAILS

<b>Product Number</b>	C13866_STRADA-SQ-CY
<b>Family</b>	Strada
<b>Type</b>	Lens
<b>Color</b>	clear
<b>Diameter</b>	25x25 mm
<b>Height</b>	10,1 mm
<b>Style</b>	square
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	screw, pin, glue
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	16/10/2014



## OPTICAL PROPERTIES


LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
PSL440	119+113 deg	Streetligh...	94 %	0.440	-
PSL445	113+112 deg	Streetligh...	94 %	0.370	-
MK-R	118+115 deg	Streetligh...	94 %	0.370	-
XM-L	122+116 deg	Streetligh...	94 %	0.440	-
XM-L2	122+115 deg	Streetligh...	94 %	0.400	-
XP-L	120+131 deg	Streetligh...	94 %	0.400	-
MHB-A	sim: Asymmetri	Streetligh...	-	-	-
XHP50	123+119 deg	Streetligh...	94 %	0.400	-
XHP70	123+120 deg	Streetligh...	94 %	0.350	-
MHD-E/G	117+115 deg	Streetligh...	94 %	0.370	-
XP-L2	125+117 deg	Streetligh...	94 %	0.400	-
LUXEON M/MX	120+115 deg	Streetligh...	94 %	0.410	-
LUXEON MZ	127+118 deg	Streetligh...	94 %	0.340	-
NFMW48xA	sim: 101+97	Streetligh...	sim: 92 %	sim: 0.430	-
Duris P10	sim: 110+106	Streetligh...	sim: 92 %	sim: 0.423	-



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:



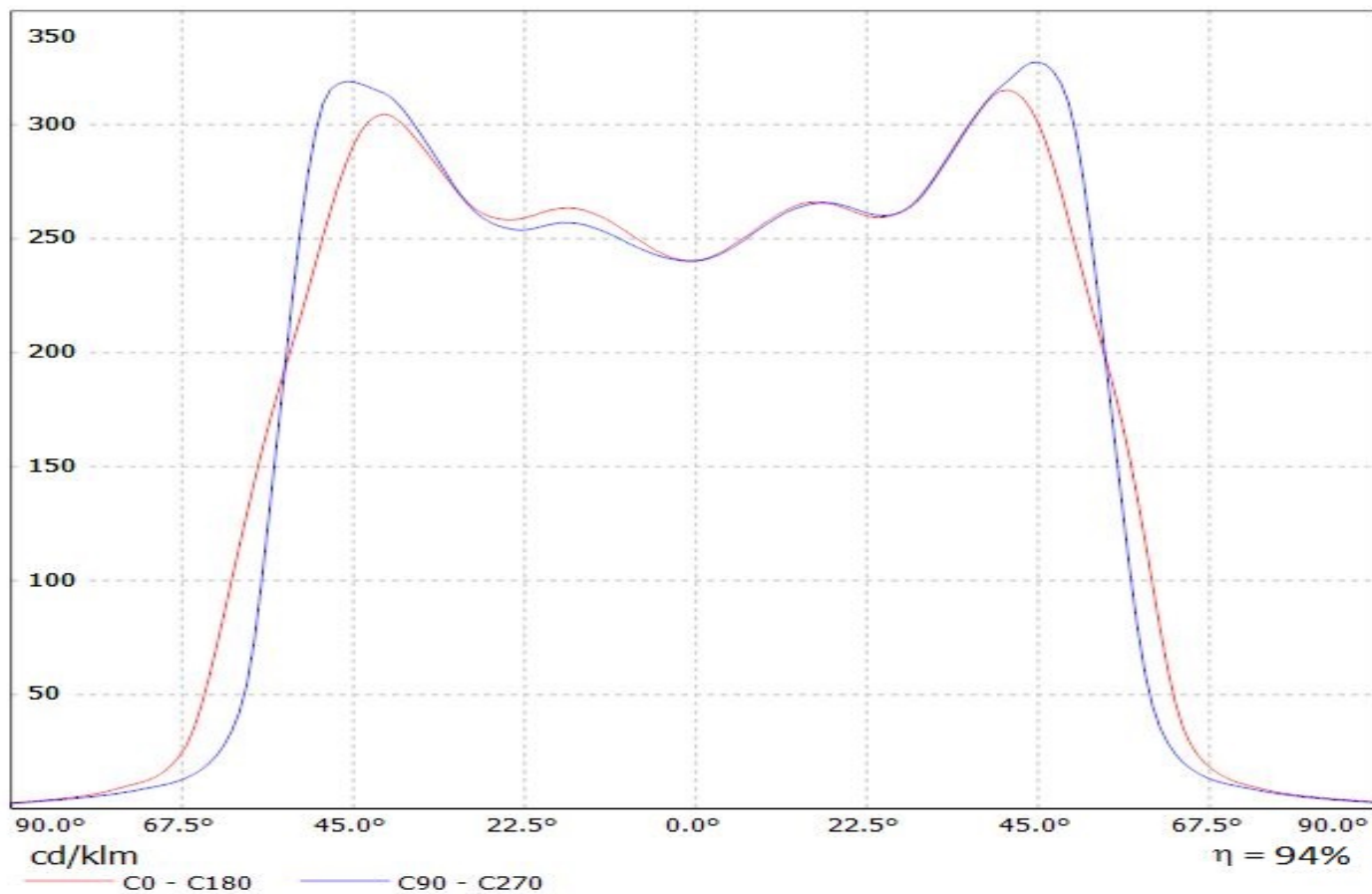
DRAWING TITLE  
**STRADA-SQ-CY\_MechanicalDrawing**

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

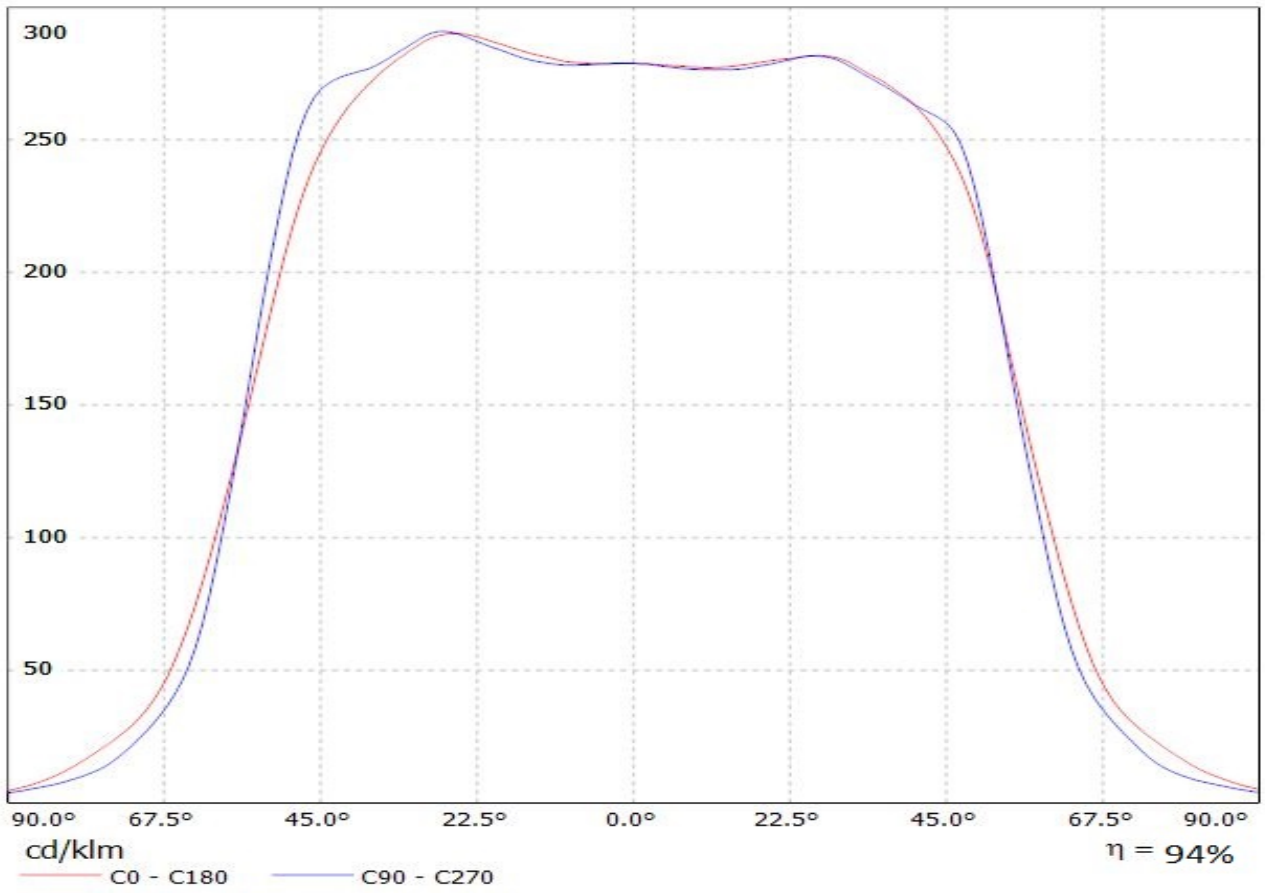
SIZE	PART NUMBER
A4	C13866

SCALE	2:1	WEIGHT	-	SHEET	1/1
-------	-----	--------	---	-------	-----

Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(PSL440)  
Lamps: 1 x Citizen\_PSL440\_256.951lm@250mA\_P=2.8697W\_I=0.250A

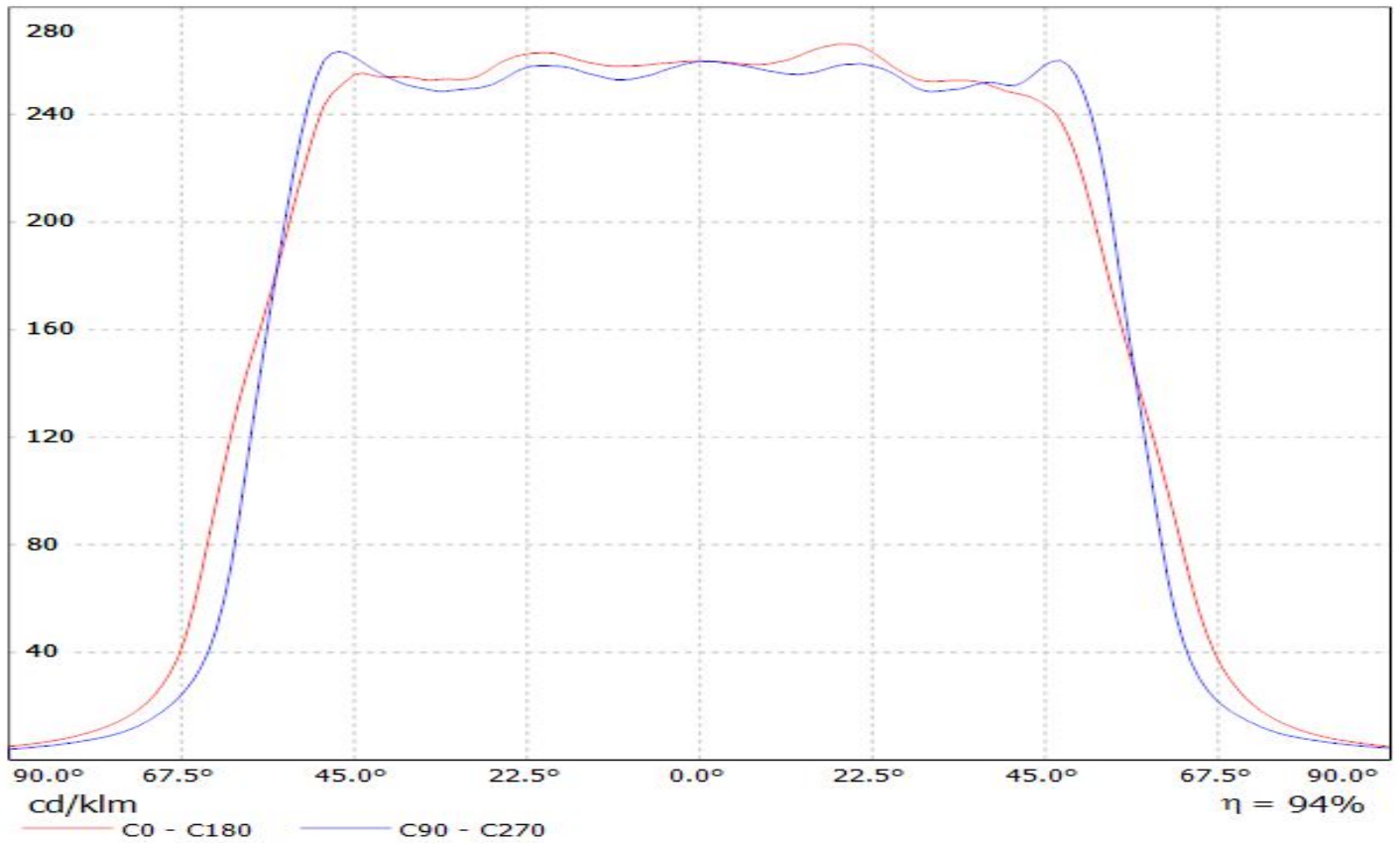


Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(PSL445)  
Lamps: 1 x Citizen\_PSL445\_424.116lm@250mA\_P=2.81625W\_I=0.250A\_CCT=2700K

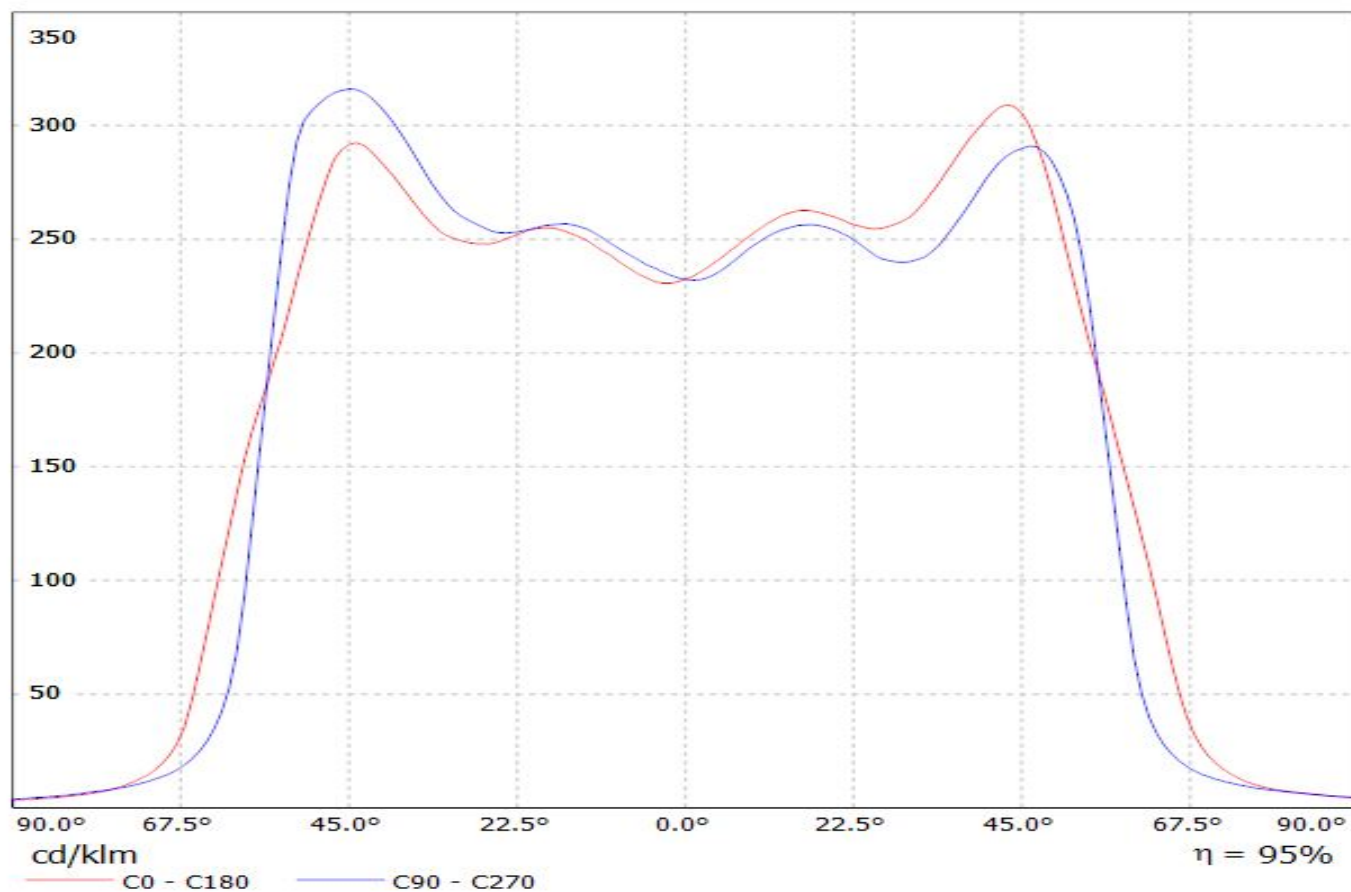


# LEDiL Oy C13866\_STRADA-SQ-CY\_(MK-R) Eff.94.0% / LDC (Linear)

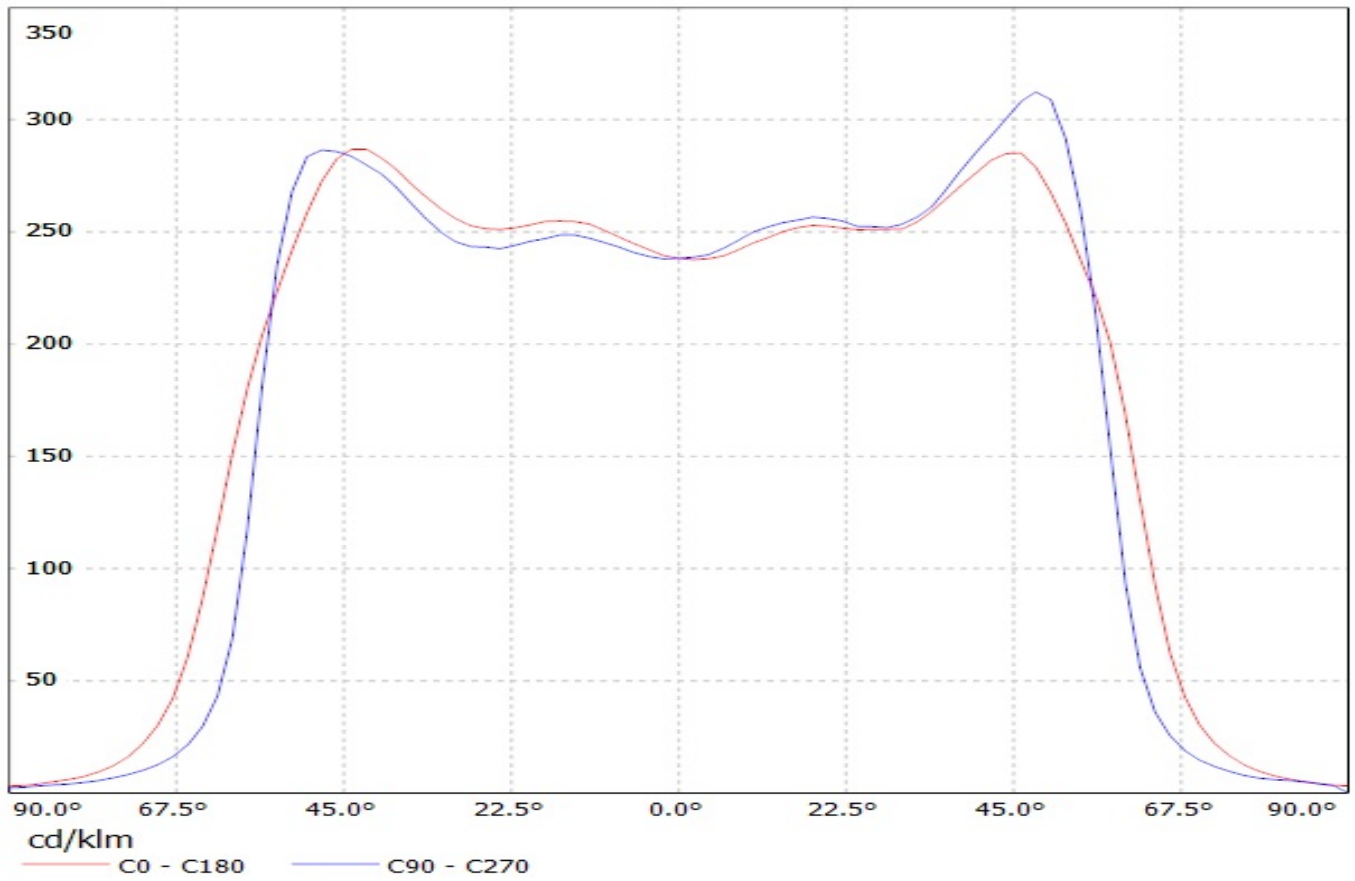
Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(MK-R) Eff.94.0%  
Lamps: 1 x CREE\_MK-R\_366.6lm@250mA\_P=2.83337W\_I=249.9mA



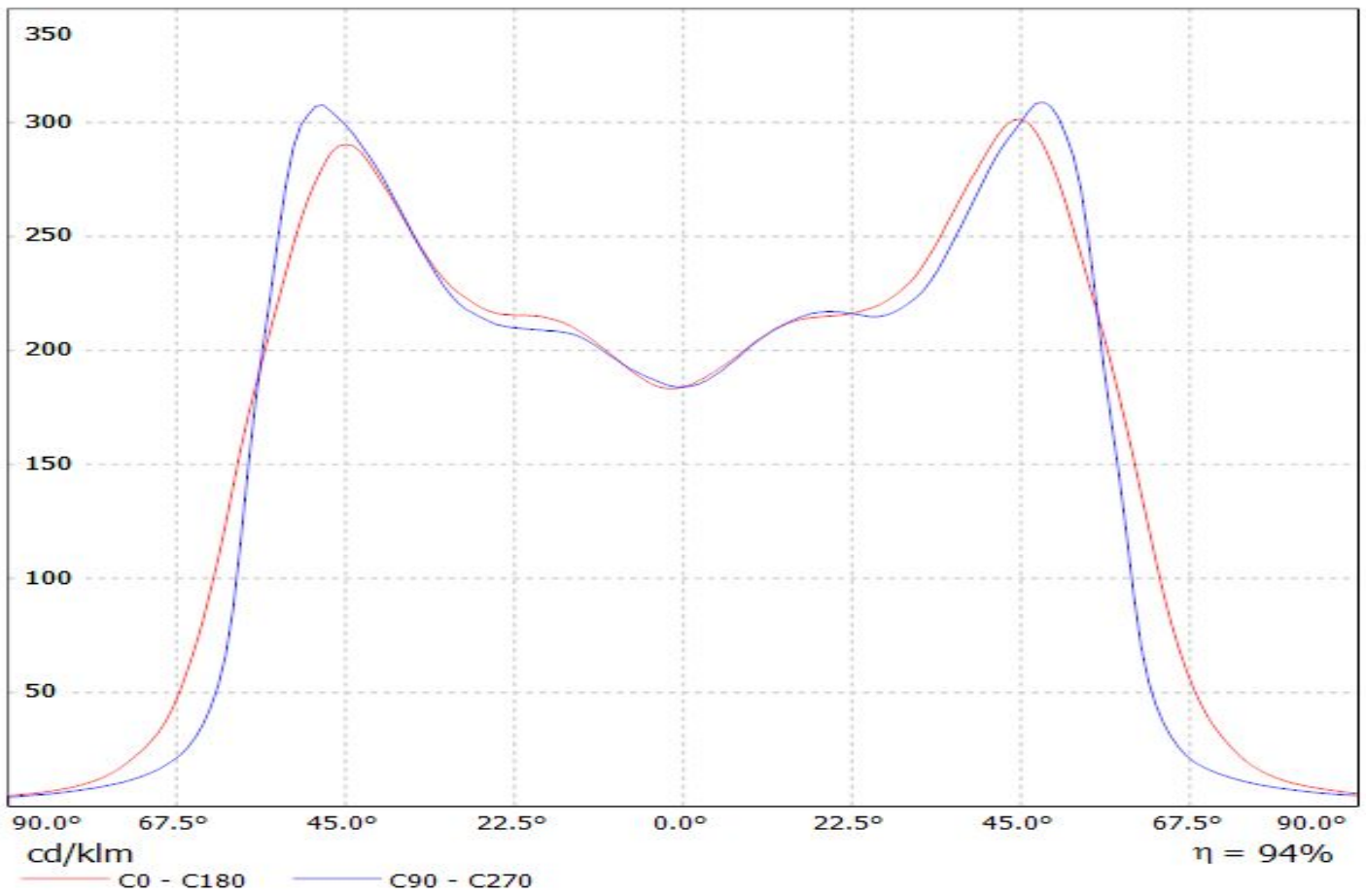
Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(XM-L) Eff.94%  
Lamps: 1 x CREE\_XM-L\_79.1lm@250mA\_P=0.712W\_I=250mA



Luminaire: LEDil Oy C13866\_STRADA-SQ-CY\_(XM-L2) Efficiency=94%  
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA

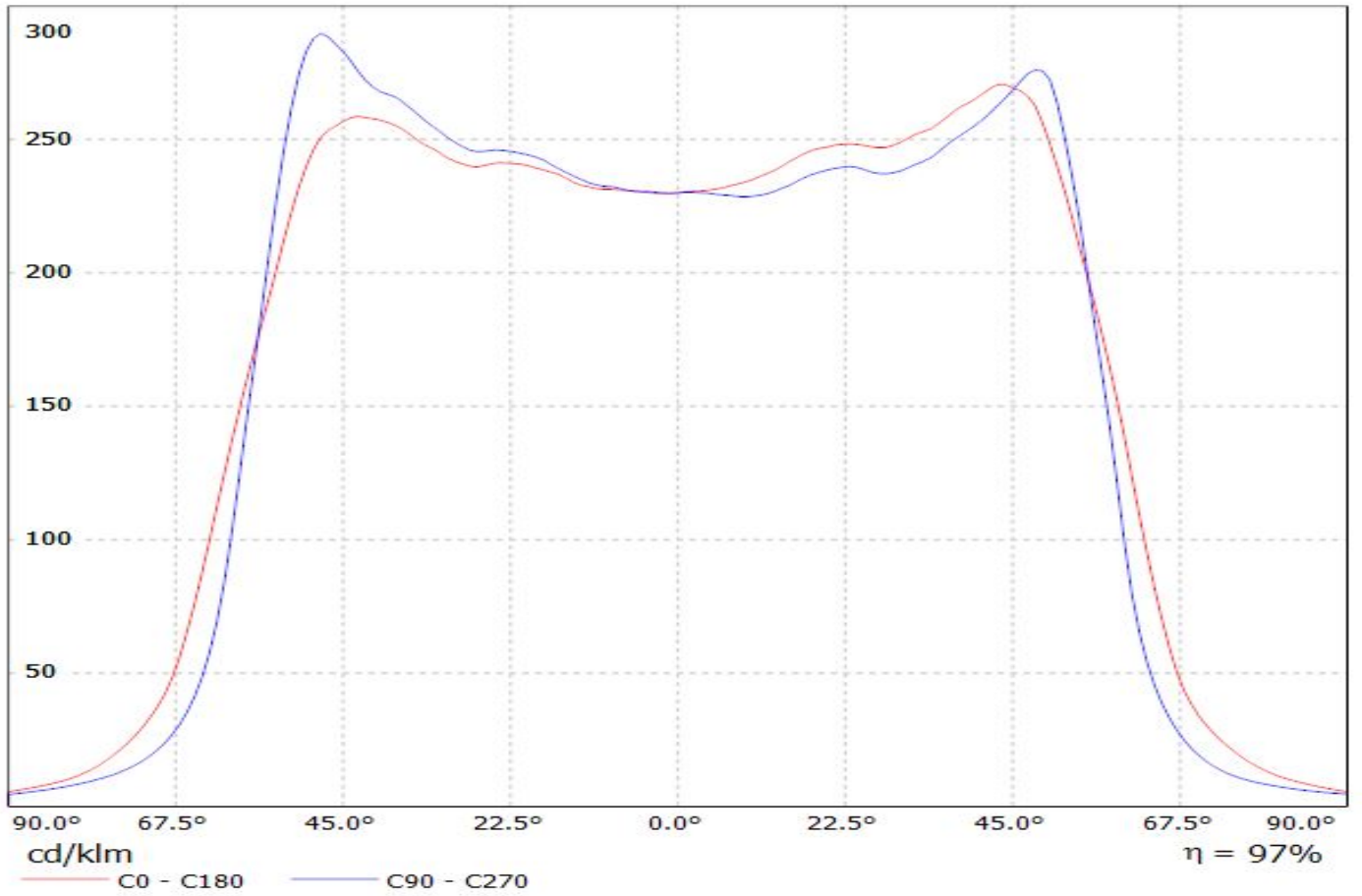


Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_129.82lm@250mA\_P=0.737584W\_I=249.9mA

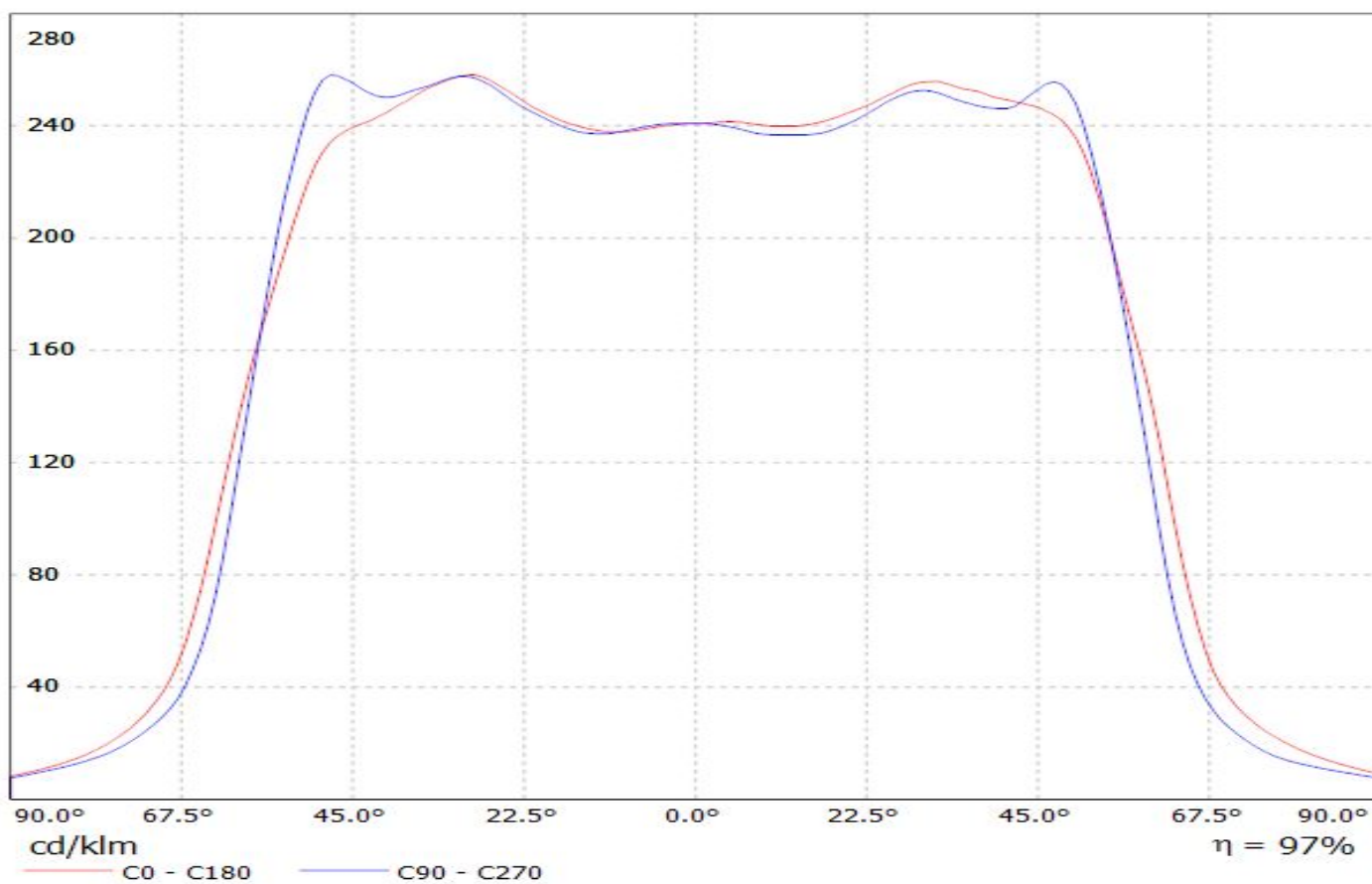




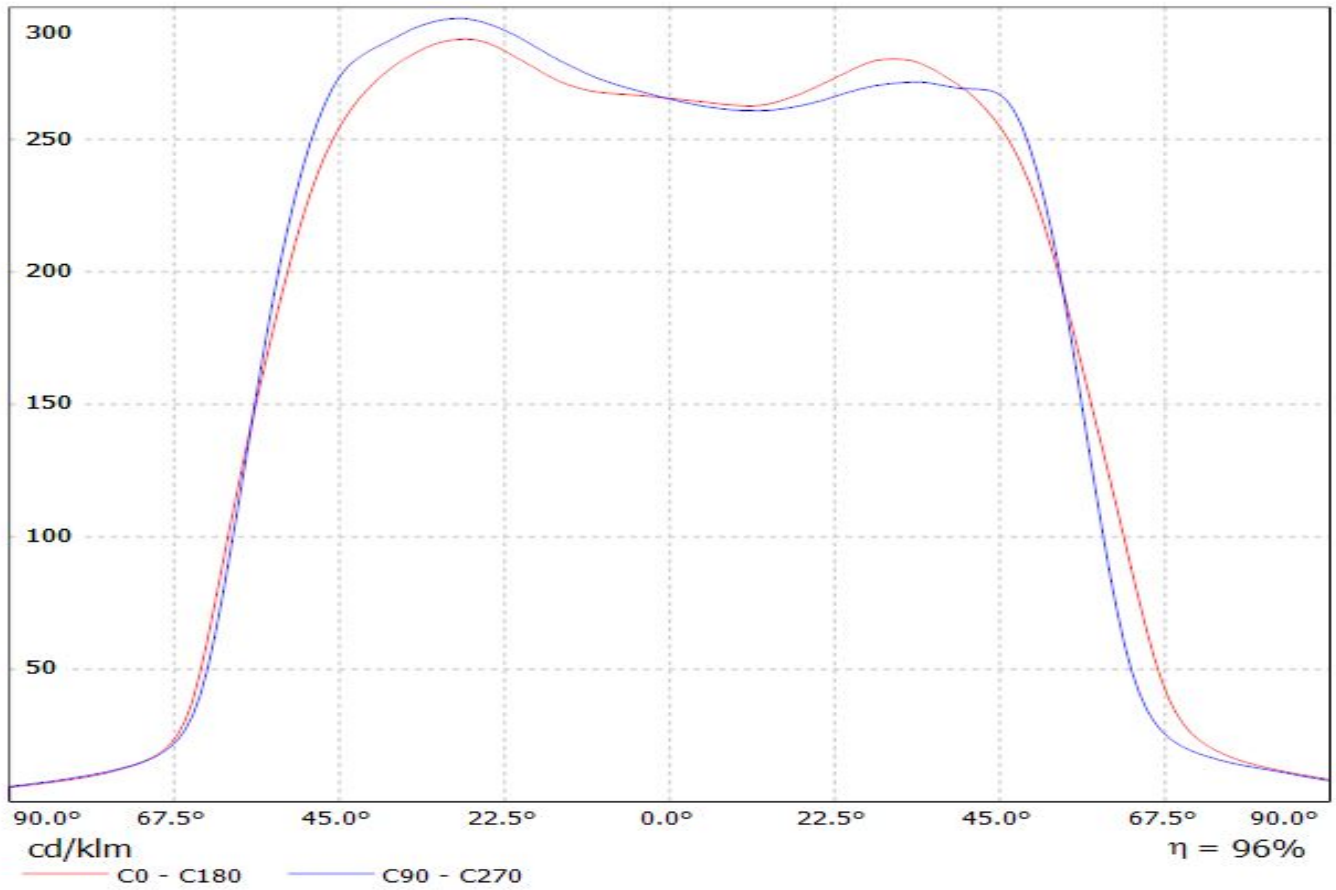
Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(XHP50 Cool white)  
Lamps: 1 x XHP50 Cool white\_244.744lm@250mA\_P=1.42773W\_I=0.2499A



Luminaire: Ledil C13866\_STRADA-SQ-CY\_(Cree\_XHP70)  
Lamps: 1 x Cree\_XHP70\_289.849lm@250mA\_P=1.255325W\_I=0.25A

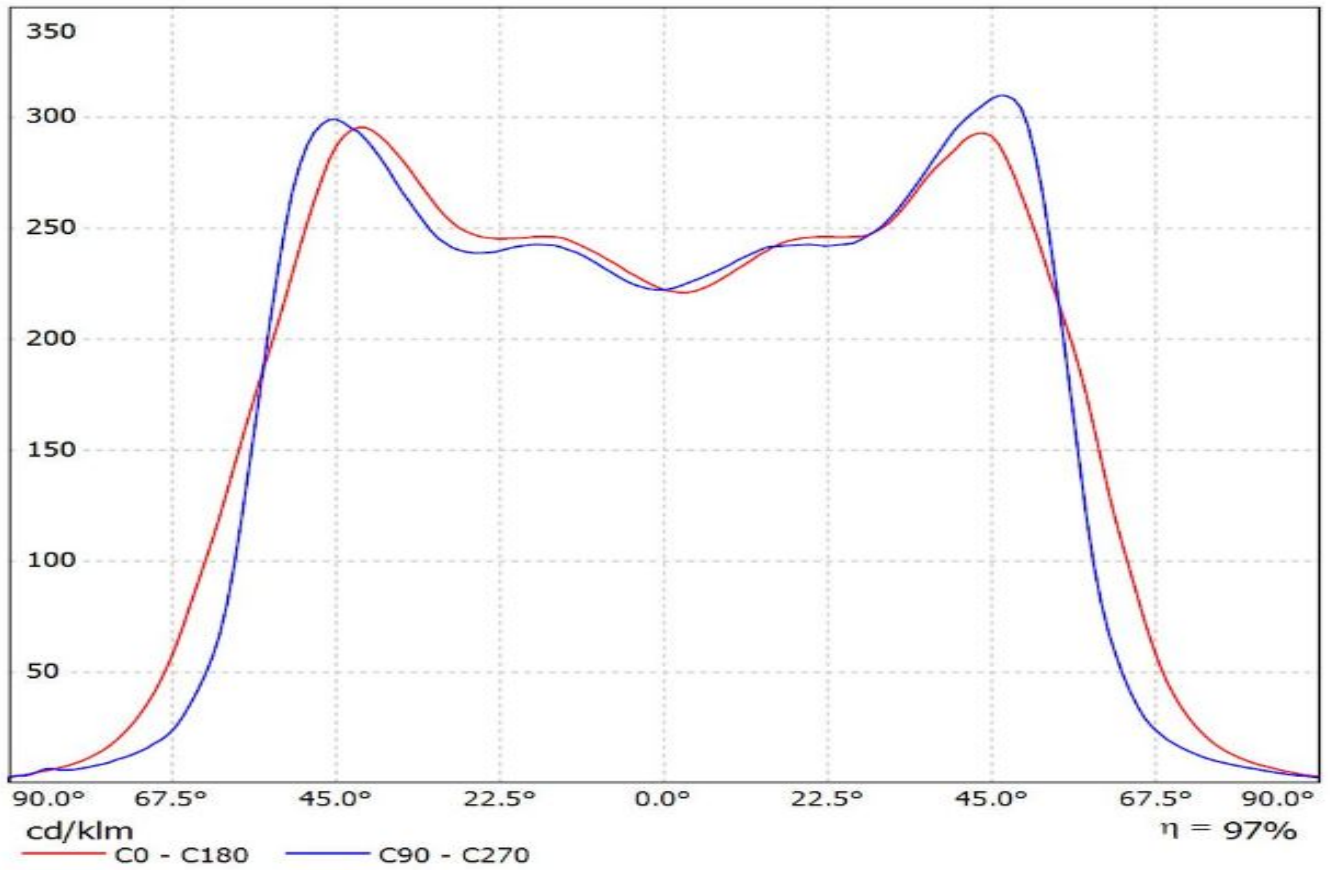


Luminaire: Ledil C13866\_STRADA-SQ-CY\_(MHD-G)  
Lamps: 1 x Cree MHD-G\_530.44lm@100mA\_P=3.0W\_I=0.100A



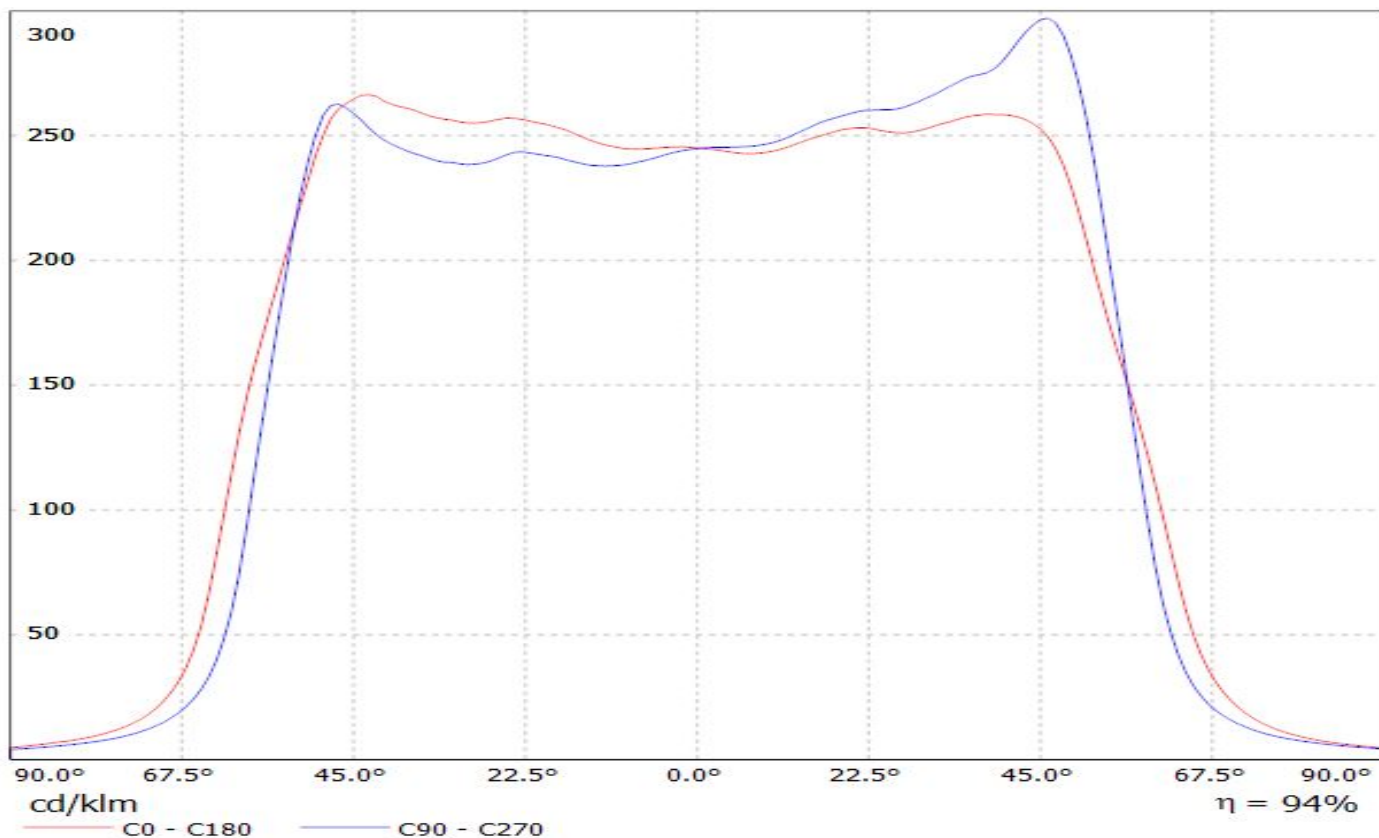
Luminaire: Ledil C13866\_STRADA-SQ-CY\_(XP-L2)

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

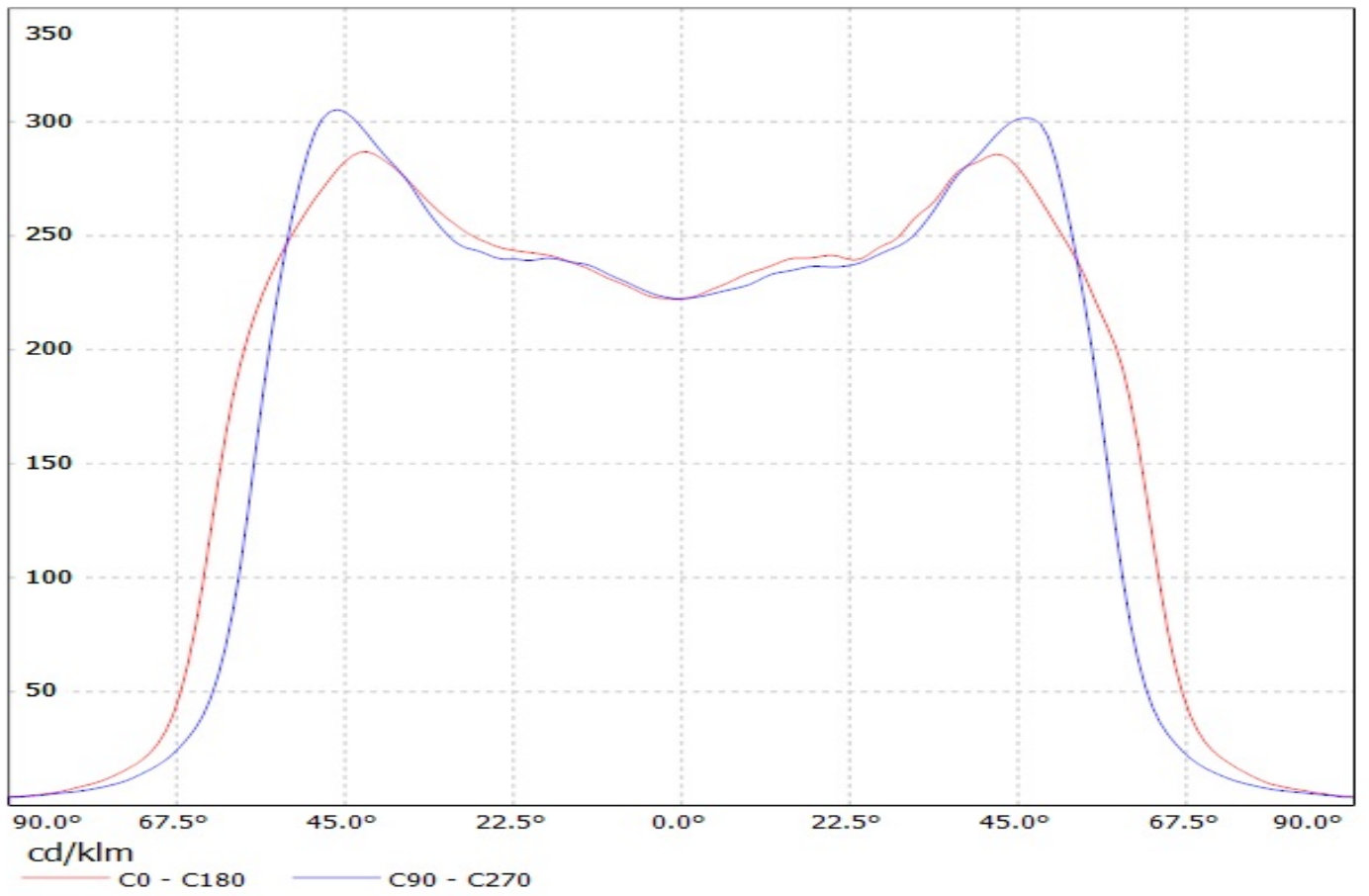


# LEDiL Oy C13866\_STRADA-SQ-CY\_(LUXEON\_M) Eff.94.0% / LDC (Linear)

Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(LUXEON\_M) Eff.94.0%  
Lamps: 1 x LUXEON\_M\_359.1lm@250mA\_CCT=4092K\_P=2.73016W\_I=249.9mA

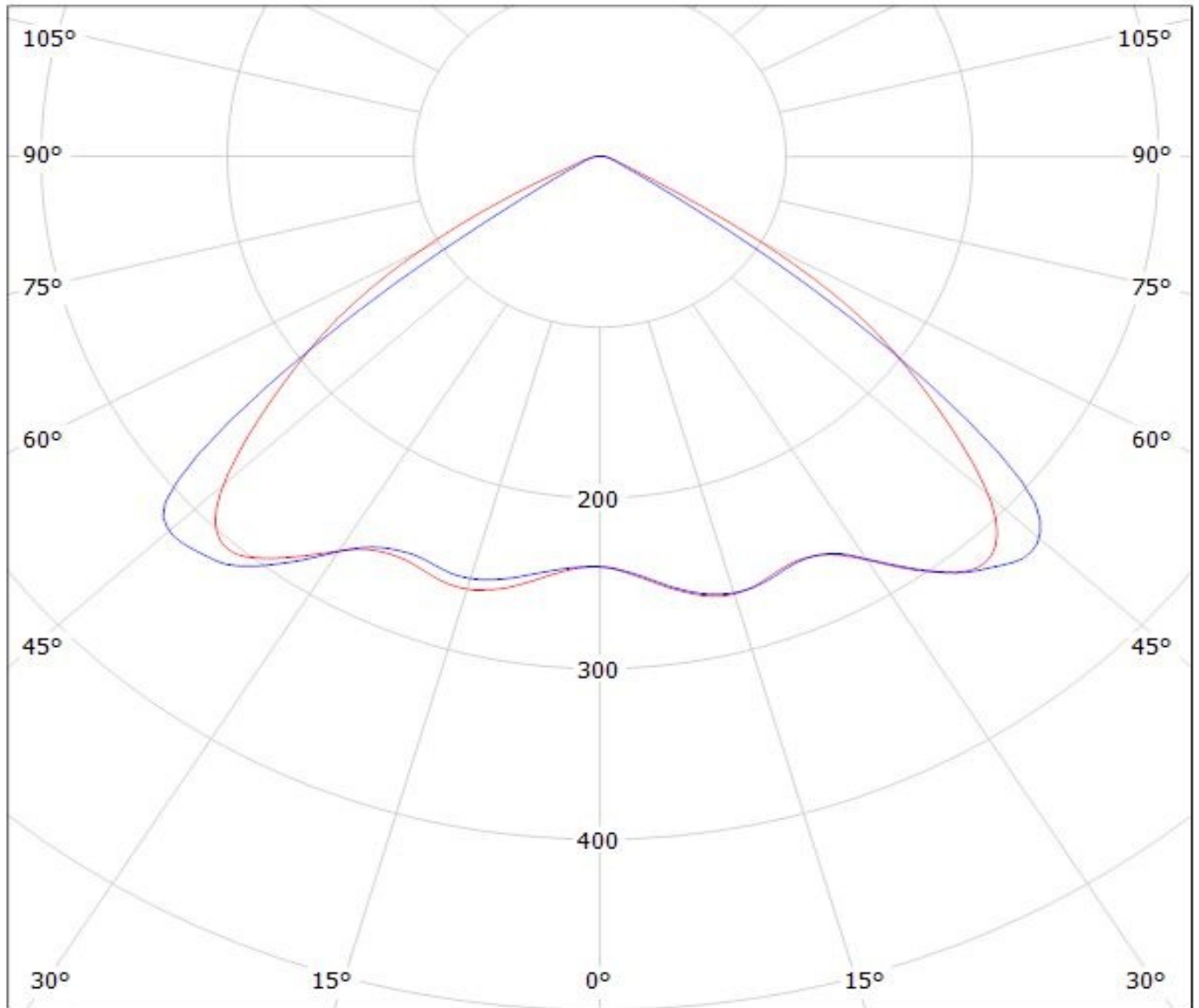


Luminaire: LEDil Oy C13866\_STRADA-SQ-CY\_(Luxeon\_MZ) Efficiency=94%  
Lamps: 1 x Philips lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(PSL440)

Lamps: 1 x Citizen\_PSL440\_256.951lm@250mA\_P=2.8697W\_I=0.250A



cd/klm

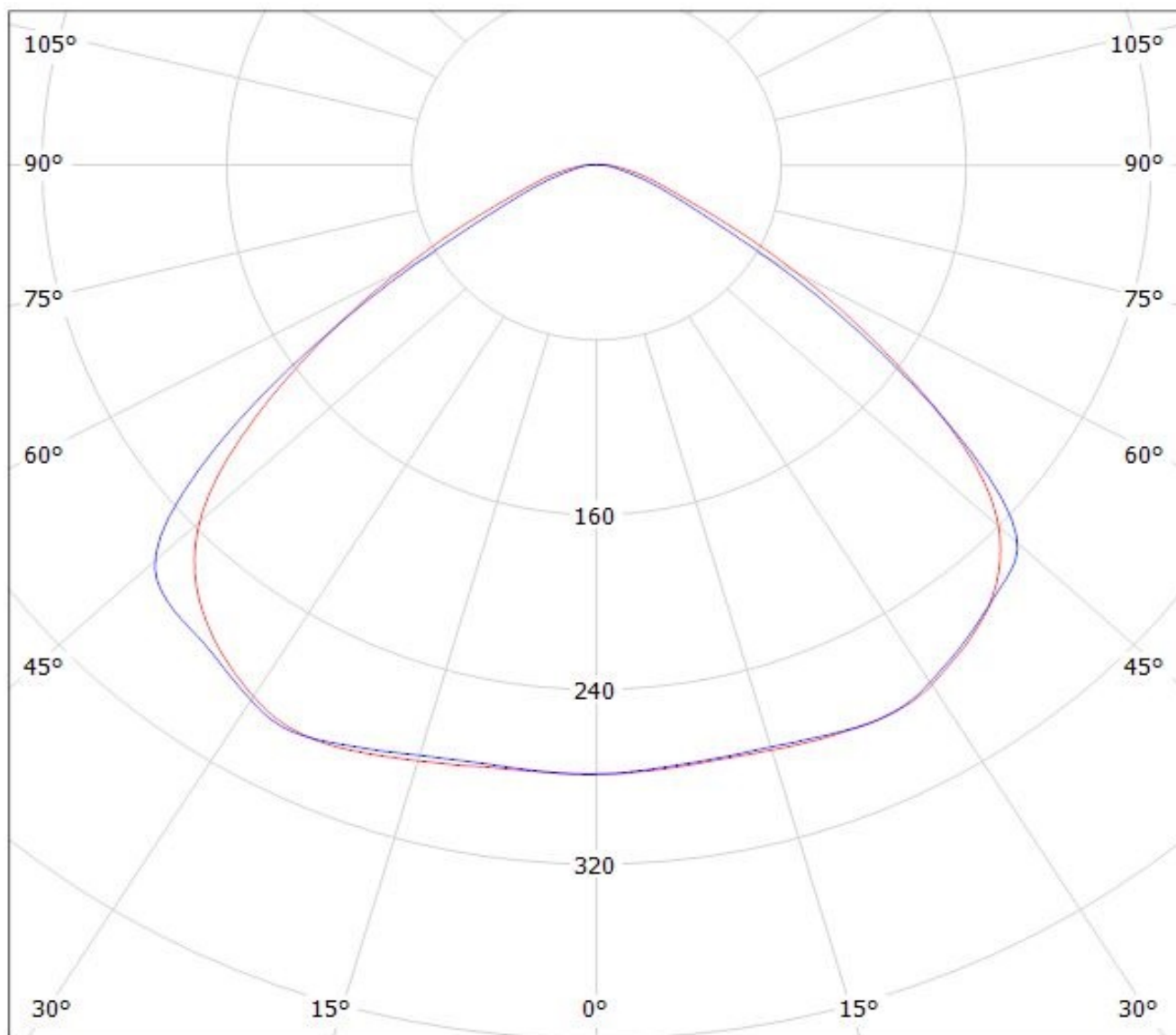
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(PSL445)

Lamps: 1 x Citizen\_PSL445\_424.116lm@250mA\_P=2.81625W\_I=0.250A\_CCT=2700K



cd/klm

— C0 - C180 — C90 - C270

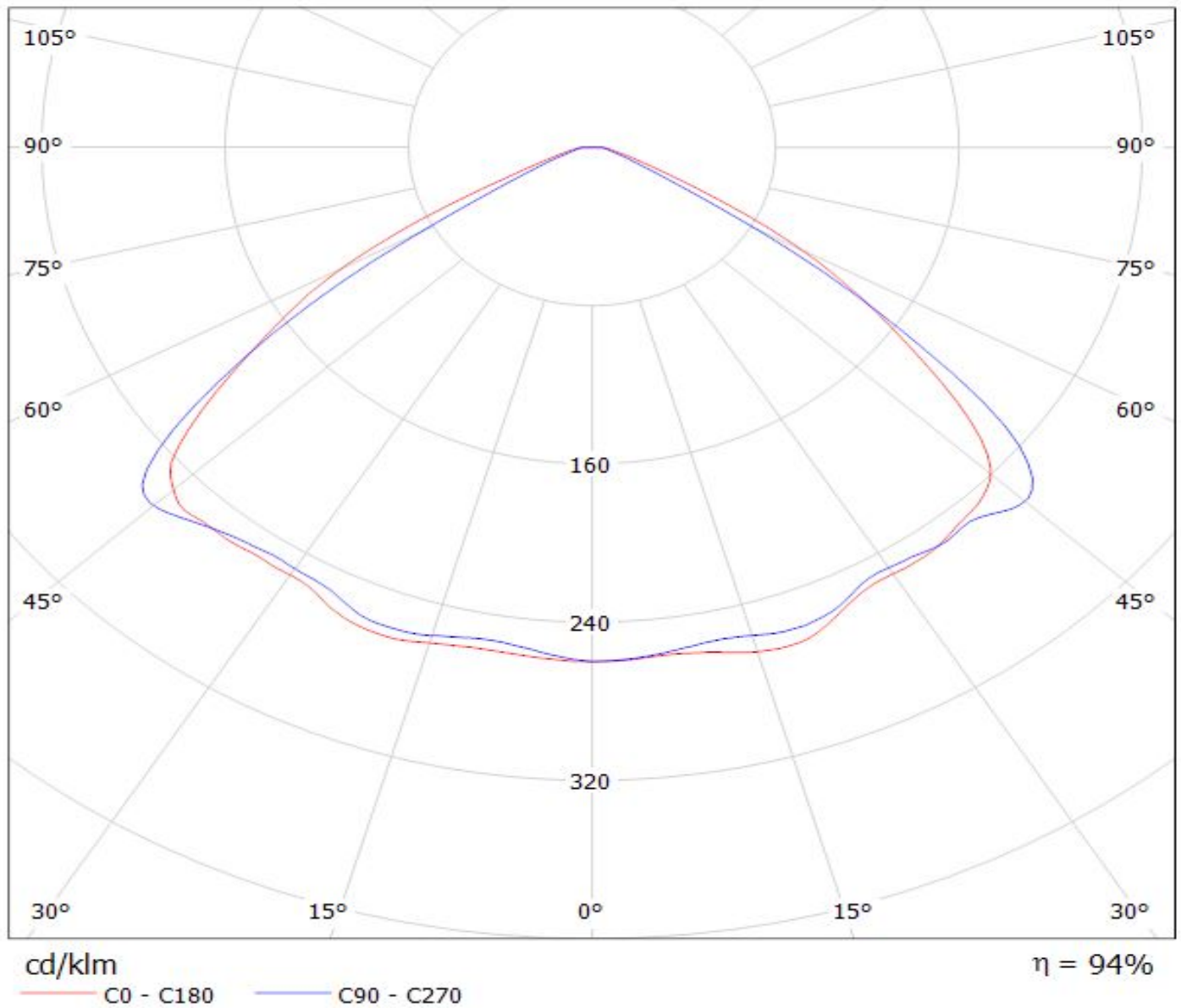
$\eta = 94\%$



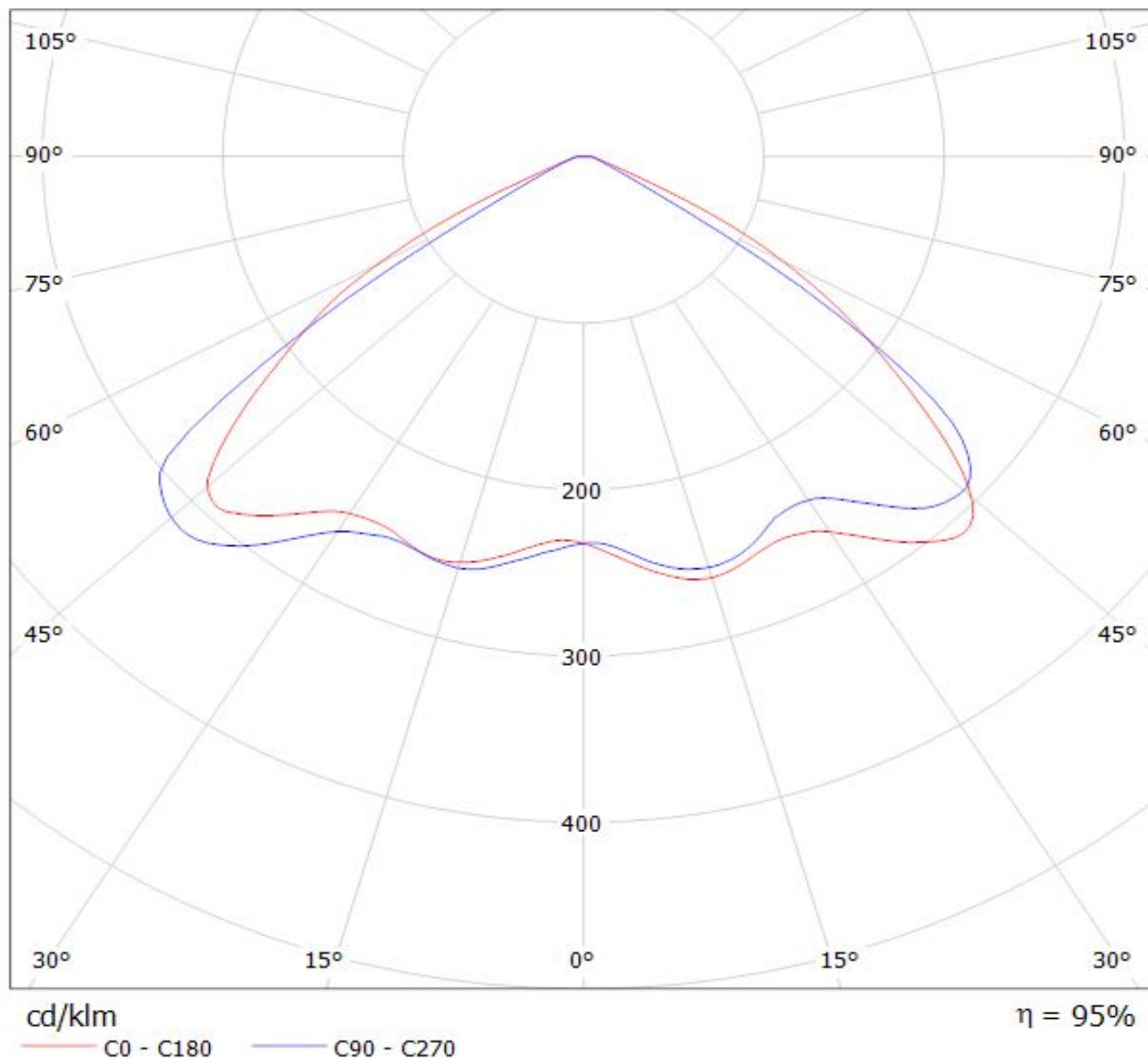
# LEDiL Oy C13866\_STRADA-SQ-CY\_(MK-R) Eff.94.0% / LDC (Polar)

Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(MK-R) Eff.94.0%

Lamps: 1 x CREE\_MK-R\_366.6lm@250mA\_P=2.83337W\_I=249.9mA

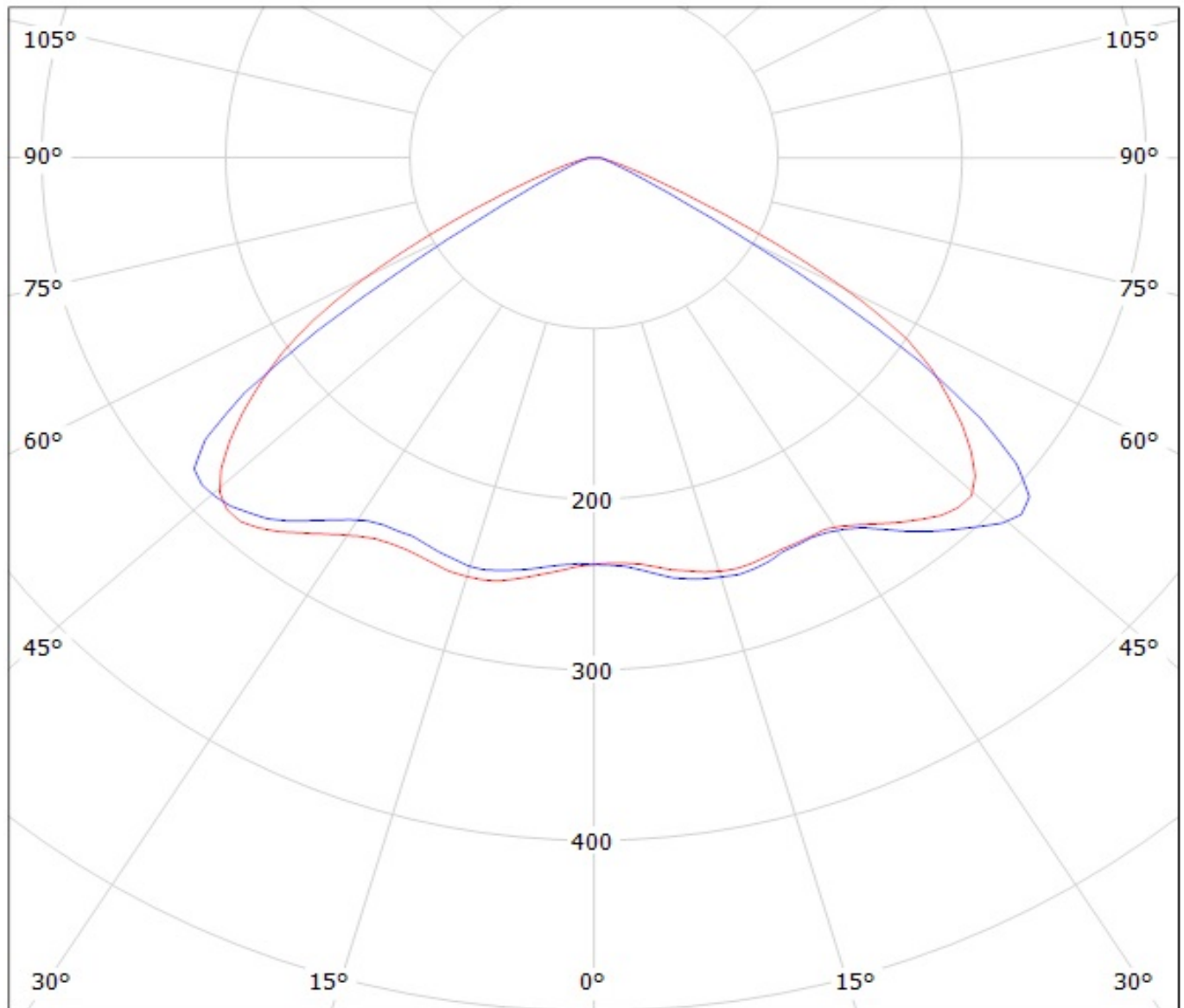


Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(XM-L) Eff.94%  
Lamps: 1 x CREE\_XM-L\_79.1lm@250mA\_P=0.712W\_I=250mA



Luminaire: LEDil Oy C13866\_STRADA-SQ-CY\_(XM-L2) Efficiency=94%

Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA

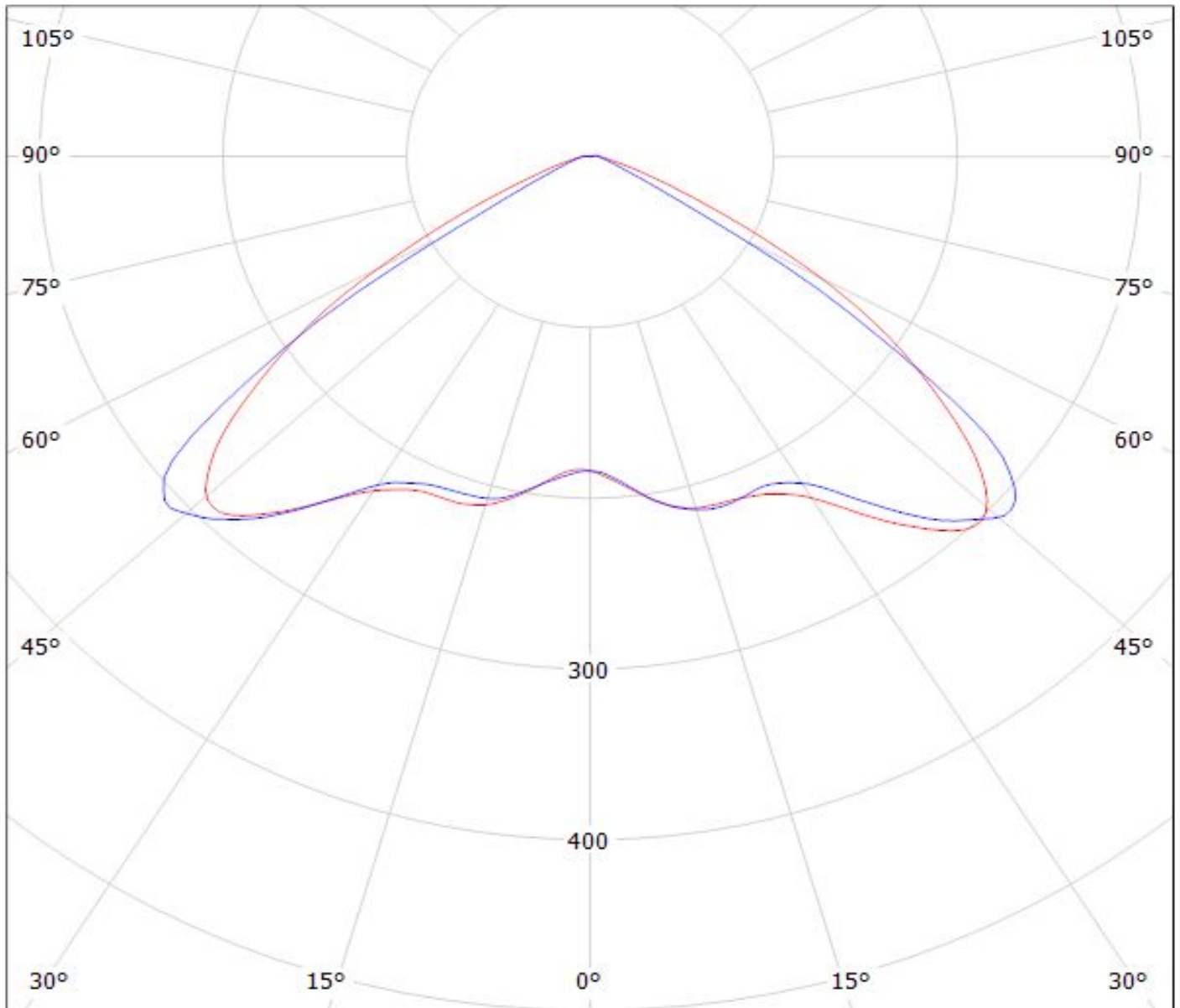


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_129.82lm@250mA\_P=0.737584W\_I=249.9mA



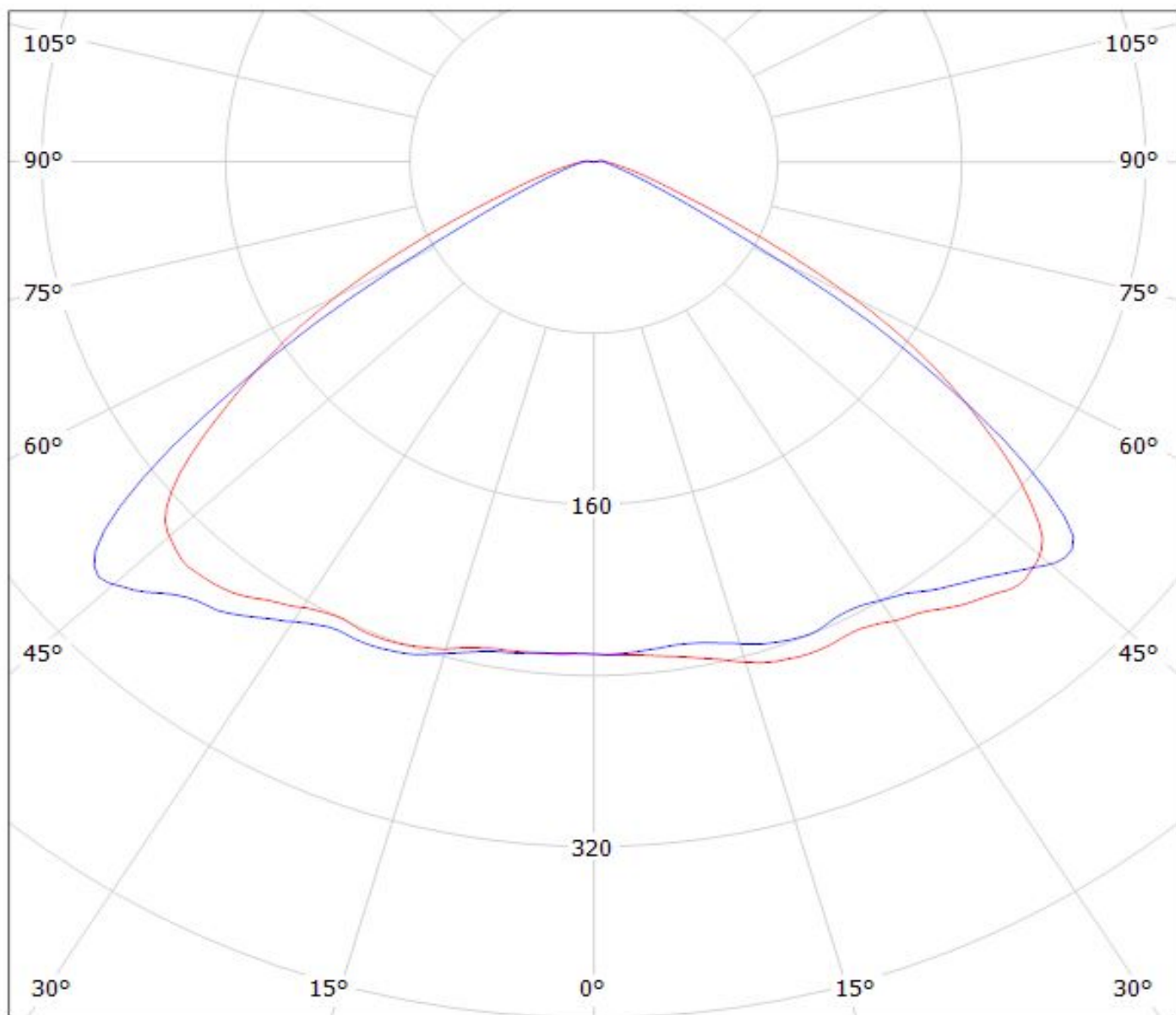
cd/klm

— C0 - C180    — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(XHP50 Cool white)

Lamps: 1 x XHP50 Cool white\_244.744lm@250mA\_P=1.42773W\_I=0.2499A



cd/klm

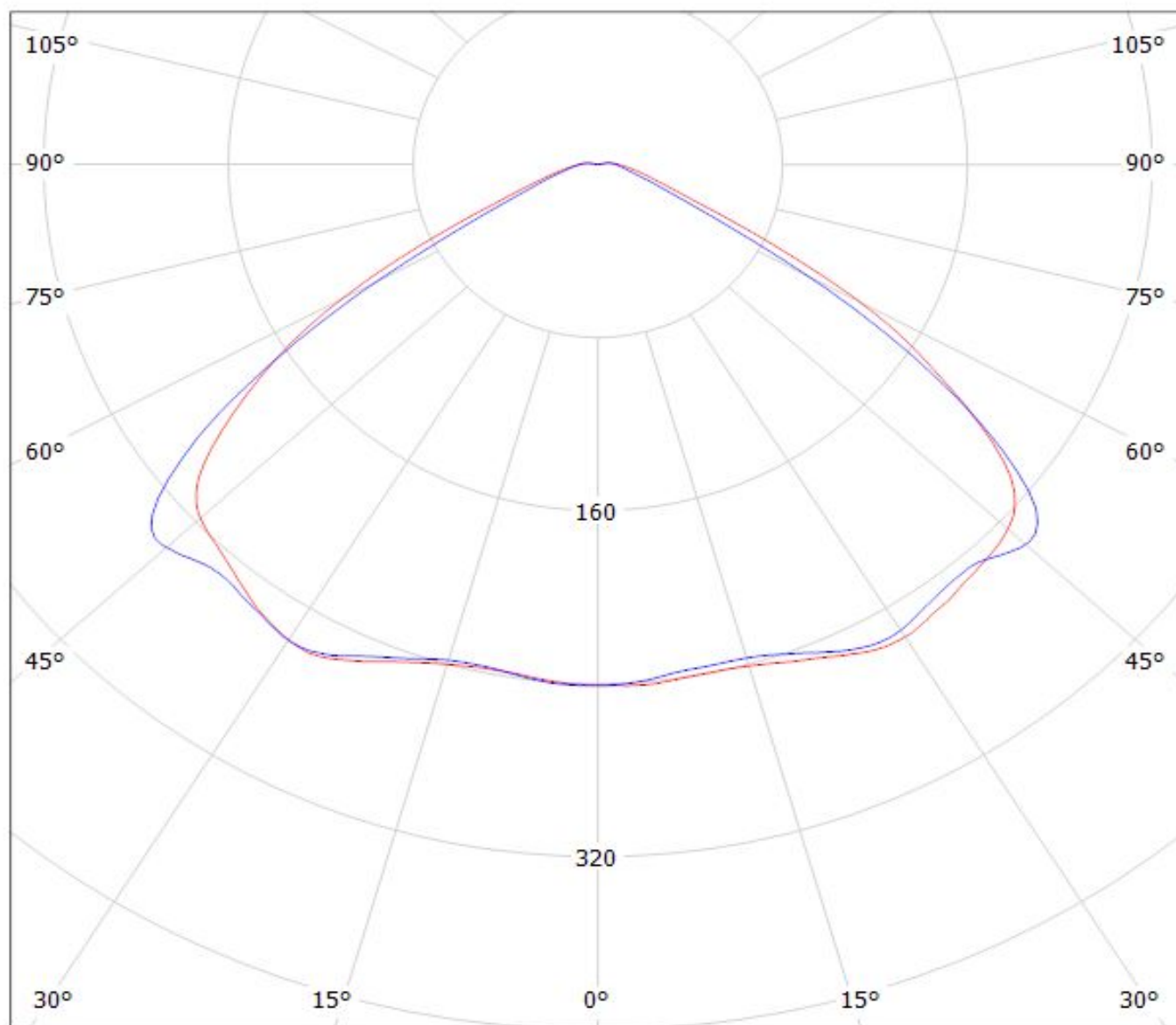
— C0 - C180

— C90 - C270

$\eta = 97\%$

Luminaire: Ledil C13866\_STRADA-SQ-CY\_(Cree\_XHP70)

Lamps: 1 x Cree\_XHP70\_289.849lm@250mA\_P=1.255325W\_I=0.25A



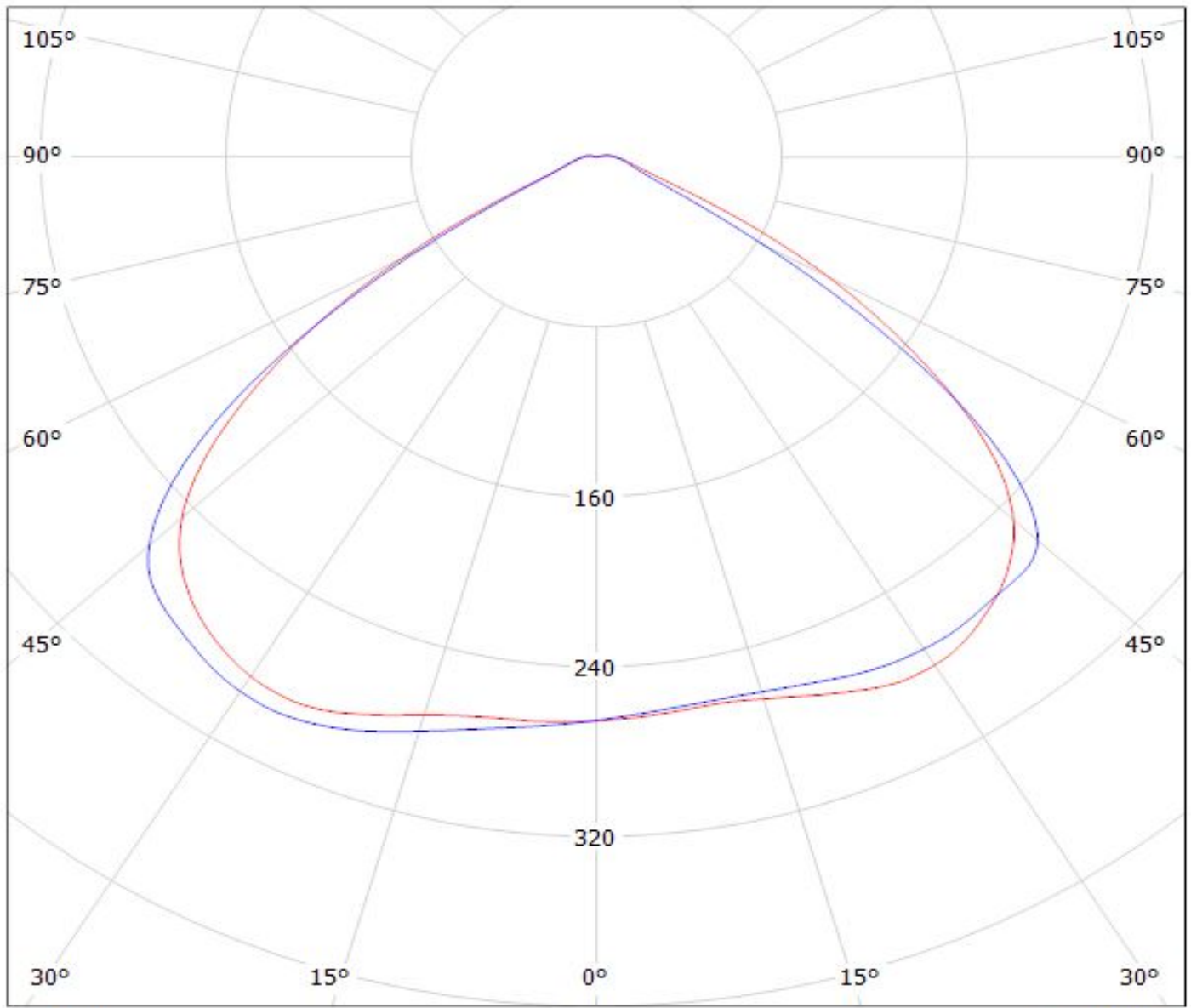
cd/klm

— C0 - C180

— C90 - C270

$\eta = 97\%$

Luminaire: Ledil C13866\_STRADA-SQ-CY\_(MHD-G)  
Lamps: 1 x Cree MHD-G\_530.44lm@100mA\_P=3.0W\_I=0.100A



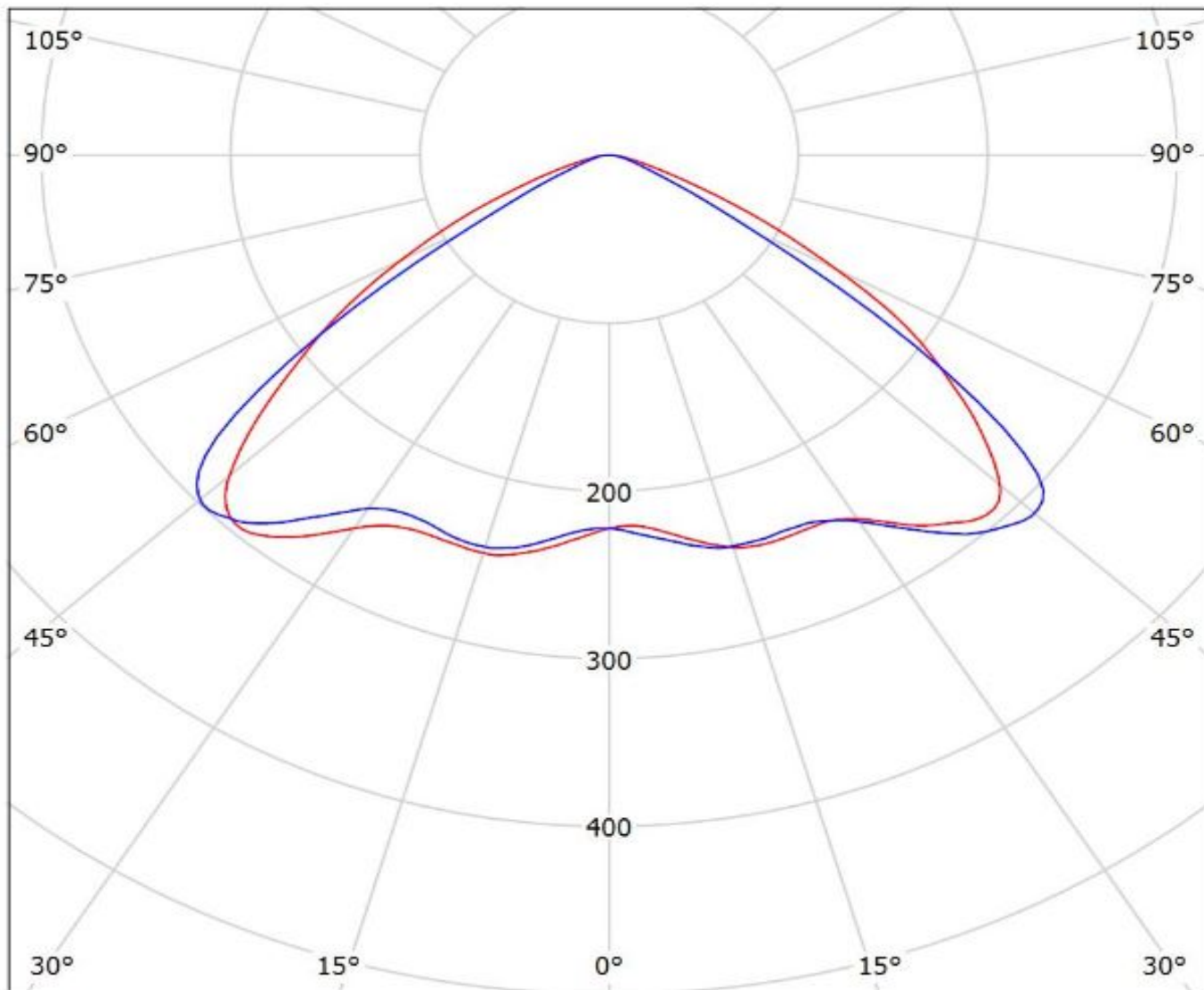
cd/klm

— C0 - C180    — C90 - C270

$\eta = 96\%$

Luminaire: Ledil C13866\_STRADA-SQ-CY\_(XP-L2)

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



$\eta = 97\%$

cd/klm

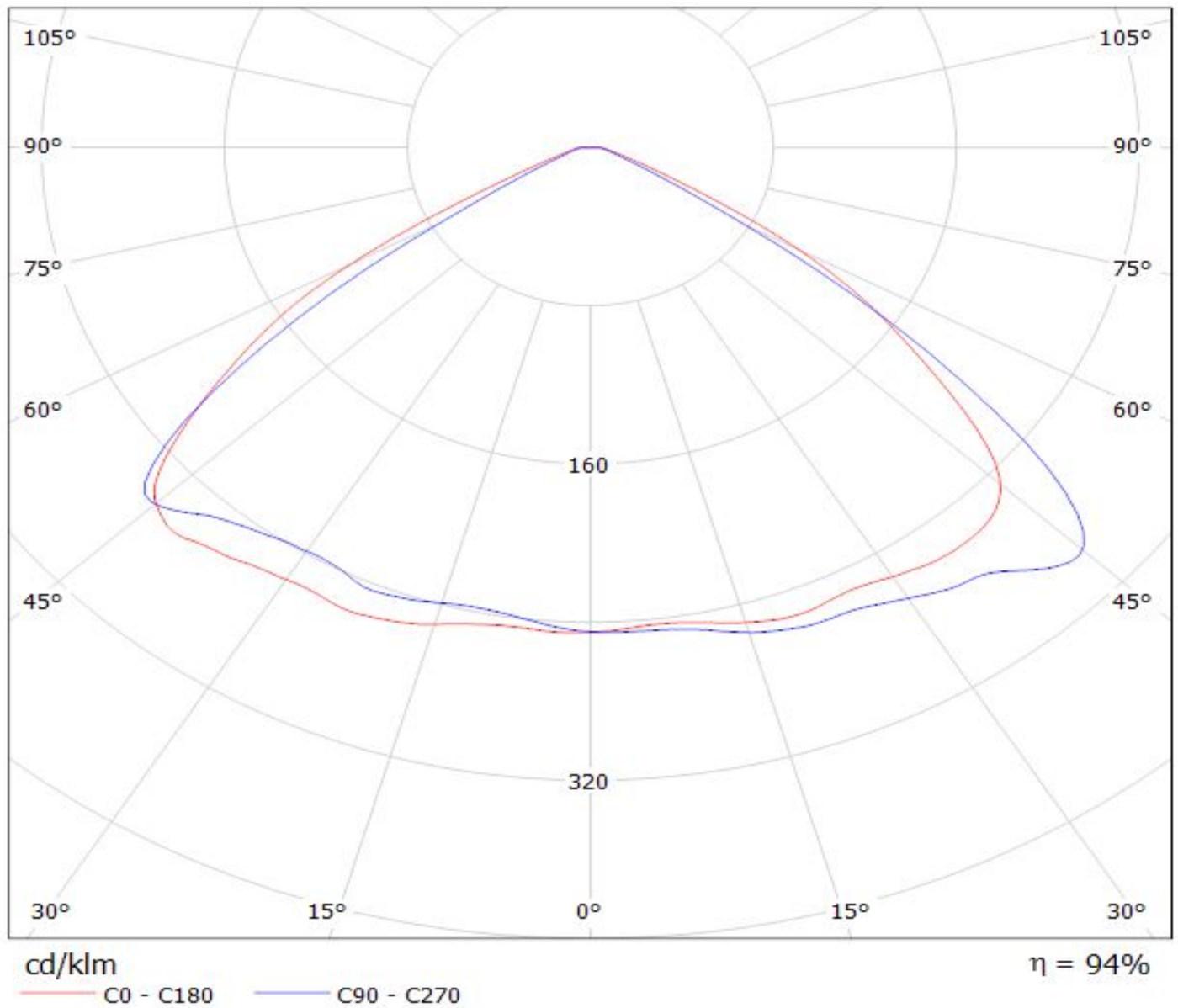
— C0 - C180    — C90 - C270



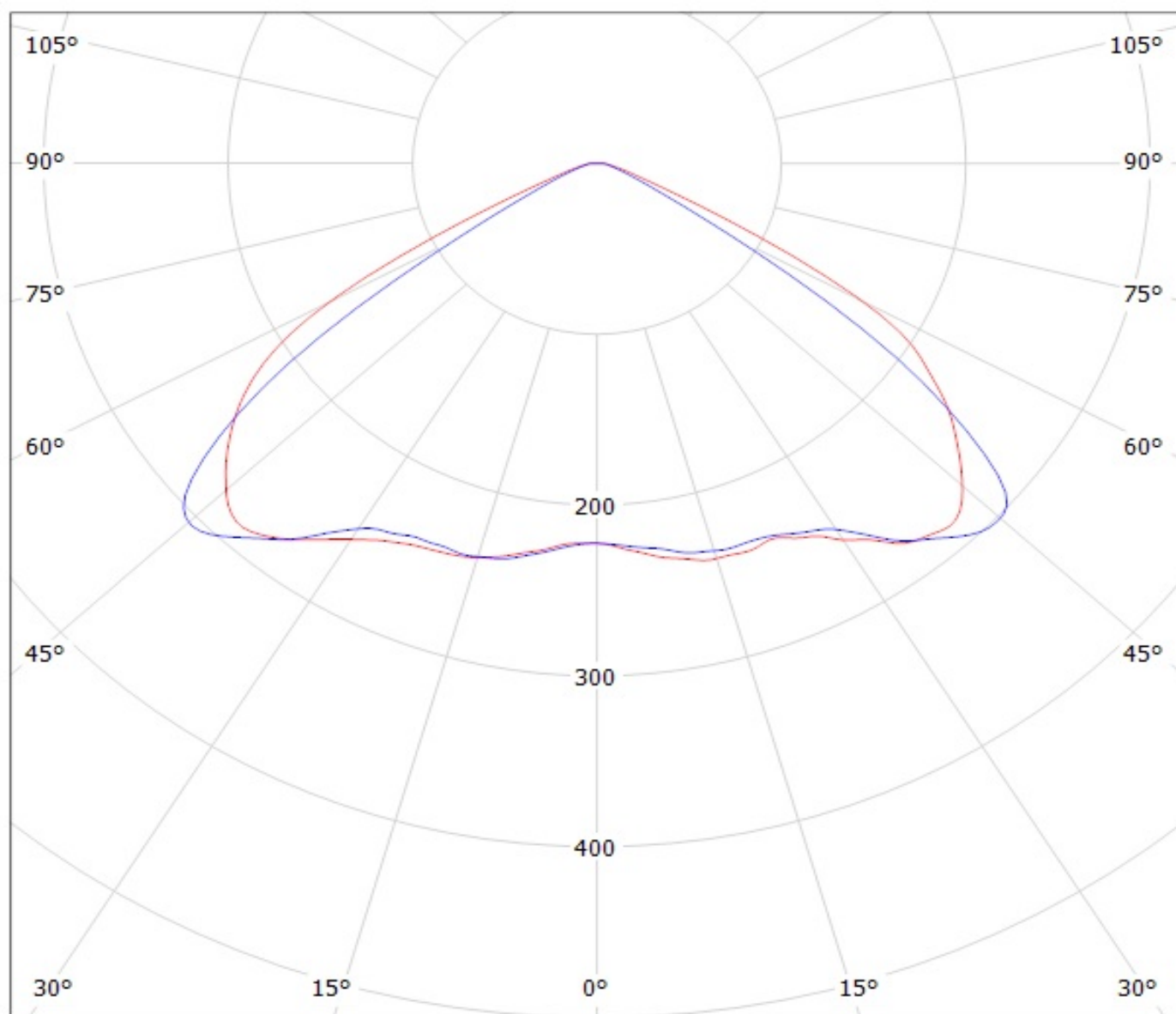
# LEDiL Oy C13866\_STRADA-SQ-CY\_(LUXEON\_M) Eff.94.0% / LDC (Polar)

Luminaire: LEDiL Oy C13866\_STRADA-SQ-CY\_(LUXEON\_M) Eff.94.0%

Lamps: 1 x LUXEON\_M\_359.1lm@250mA\_CCT=4092K\_P=2.73016W\_I=249.9mA



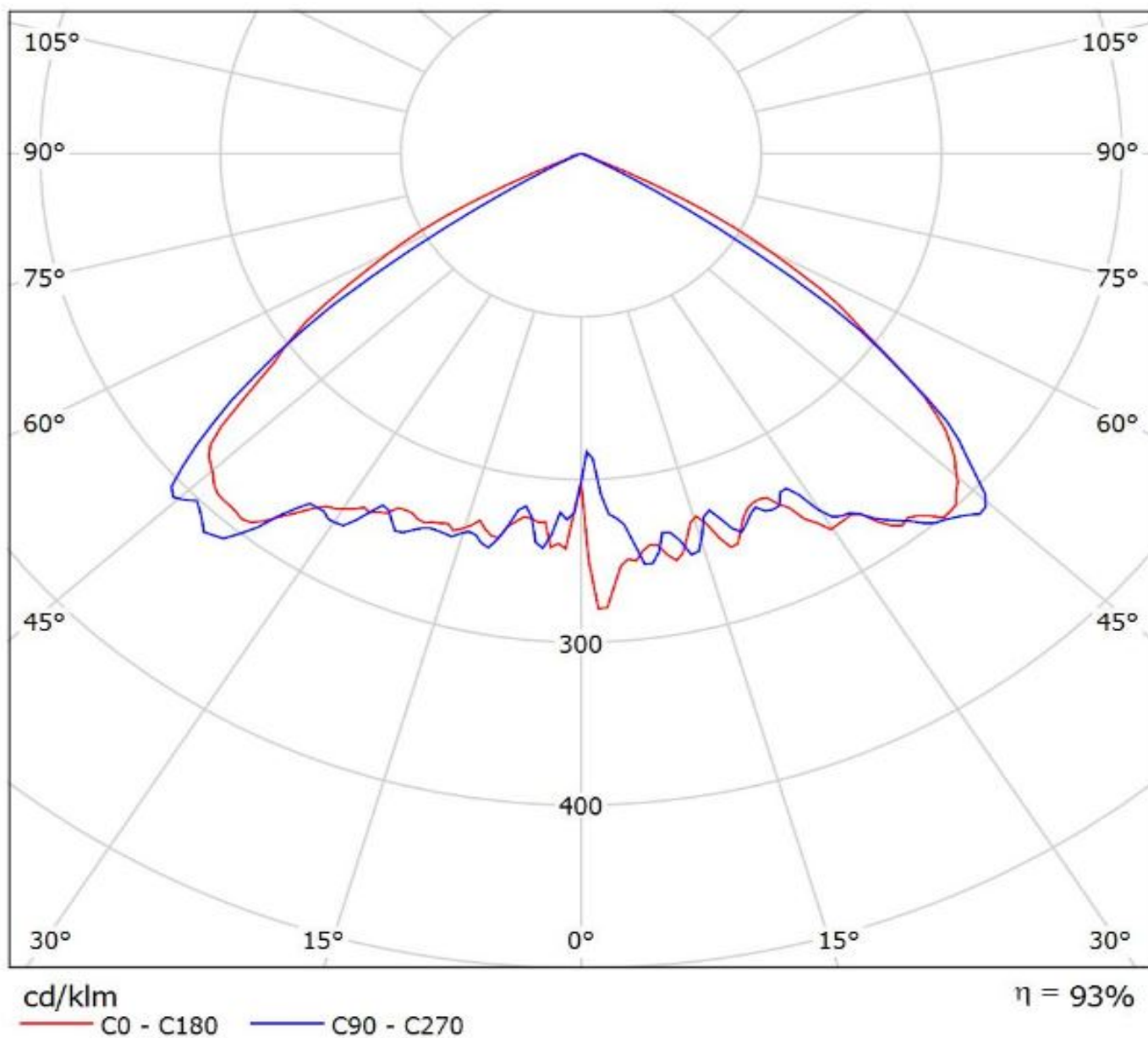
Luminaire: LEDil Oy C13866\_STRADA-SQ-CY\_(Luxeon\_MZ) Efficiency=94%  
Lamps: 1 x Philips lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



cd/klm

— C0 - C180    — C90 - C270

Luminaire: Ledil Oy C13866\_STRADA-SQ-CY\_NFMW488AR\_SIMULATED  
Lamps: 1 x NICHIA NFMW488AR



**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.**