

## DETAILS

<b>Product Number</b>	C13499_STRADA-2X2-CY
<b>Family</b>	Strada-Module
<b>Type</b>	Lens array
<b>Color</b>	clear
<b>Diameter</b>	50x50 mm
<b>Height</b>	7.85 mm
<b>Style</b>	square
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	screw
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	10/10/2014



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
LUXEON MZ	sim: 122+124	Streetligh...	sim: 92 %	sim: 0.360	-
TL1L3	118+118 deg	Streetligh...	94 %	0.290	-
TL1L4	119+119 deg	Streetligh...	91 %	0.360	-
XM-L2	121+121 deg	Streetligh...	94 %	0.300	-
Oslon Square PC	122+122 deg	Streetligh...	94 %	0.330	-
Z5M1/Z5M2	122+122 deg	Streetligh...	94 %	0.400	-
LUXEON TX	123+123 deg	Streetligh...	94 %	0.330	-
Fortimo FastFlex LED board 2x8/740 DA 05	125+125 deg	Streetligh...	94 %	0.360	-
XM-L	126+126 deg	Streetligh...	94 %	0.320	-
LUXEON T	127+127 deg	Streetligh...	94 %	0.340	-
XP-G	131+131 deg	Streetligh...	94 %	0.320	-
XP-L	131 deg	Streetligh...	94 %	0.320	-
LUXEON Q	134+134 deg	Streetligh...	94 %	0.300	-
XT-E	136+136 deg	Streetligh...	94 %	0.300	-

D C B A

4

3

2

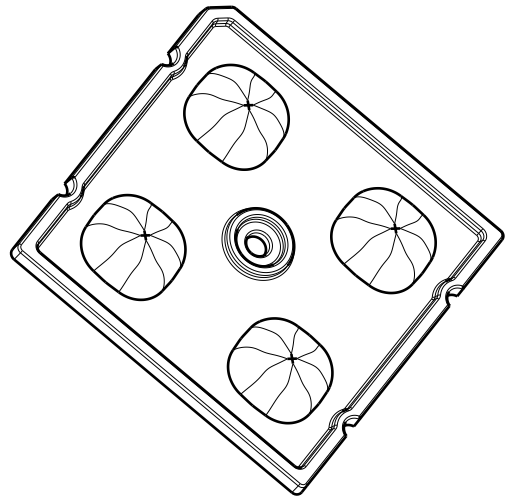
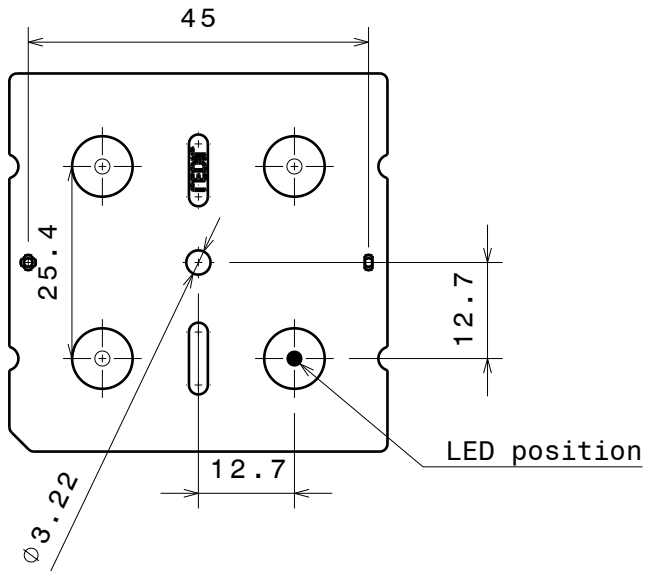
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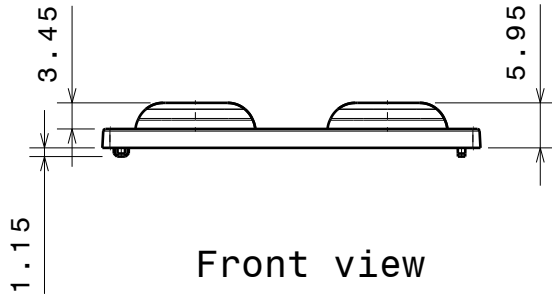
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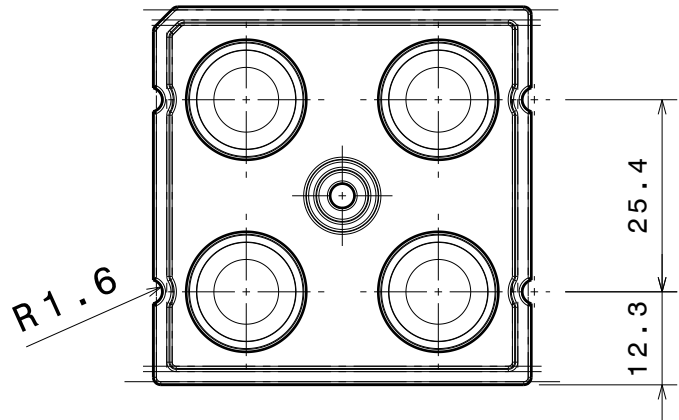


Isometric view

Bottom view



Front view



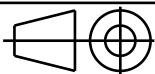
Top view

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

**C13499\_STRADA-2X2-CY**

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SIZE PART NUMBER

**A4**

-

SCALE 1:1 WEIGHT

-

SHEET 1/1

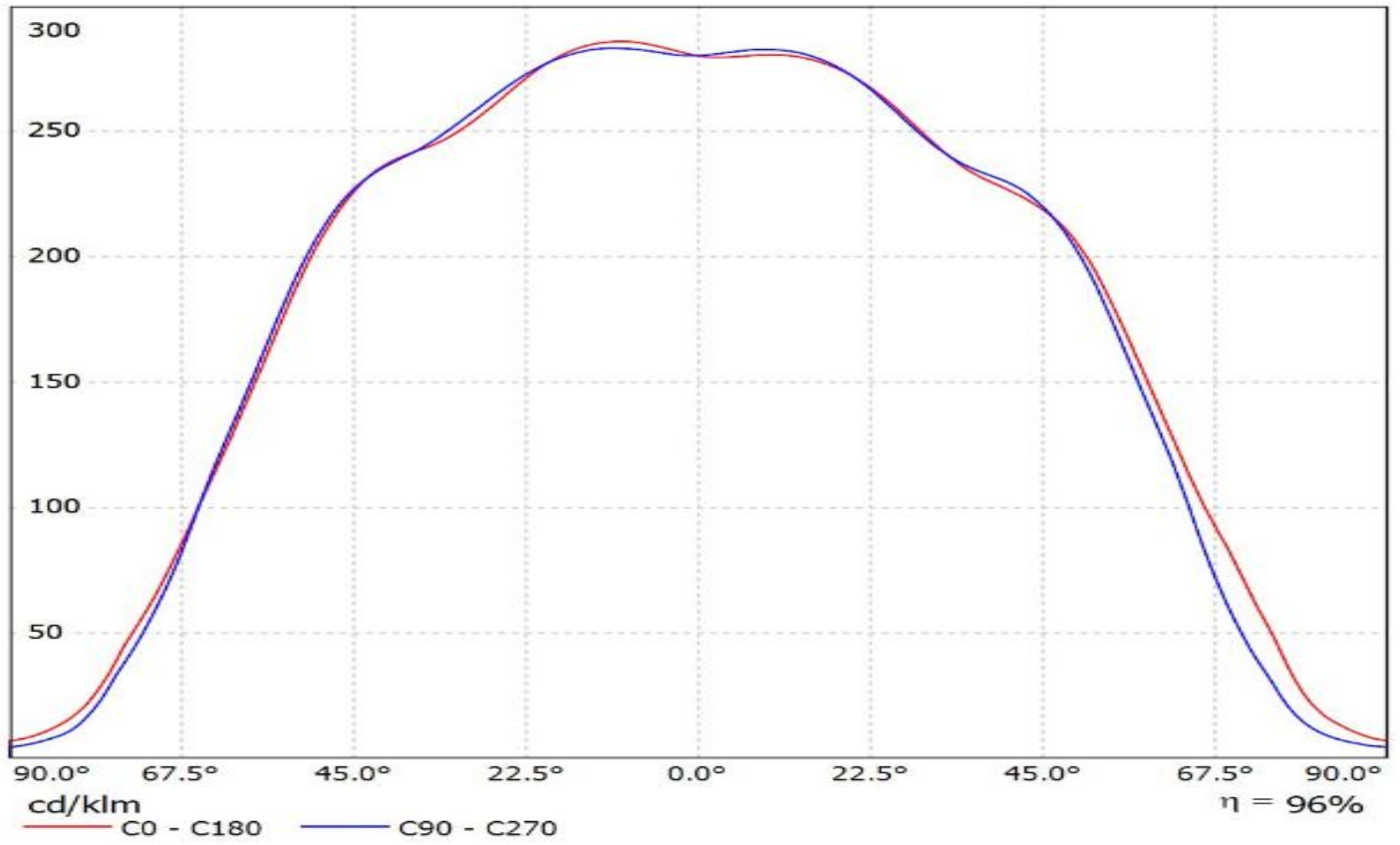
D

A

# Ledil C13499\_STRADA-2X2-CY\_(TL1L3) / LDC (Linear)

Luminaire: Ledil C13499\_STRADA-2X2-CY\_(TL1L3)

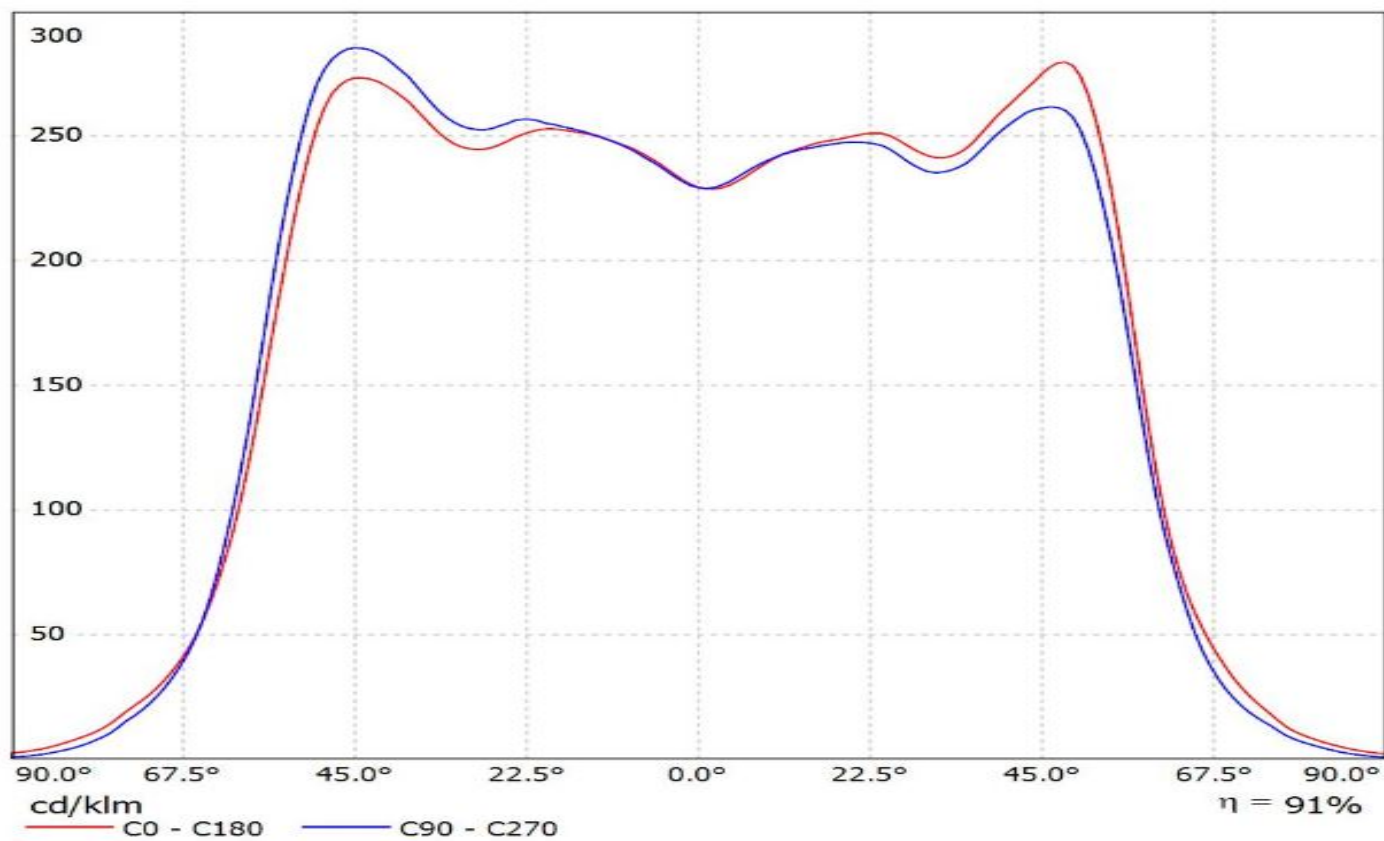
Lamps: 1 x Toshiba\_TL1L3\_2x2\_(TL1L3-NW1.L)\_387.773lm@250mA\_CCT=5000K\_P=2.829W\_I=0.25A



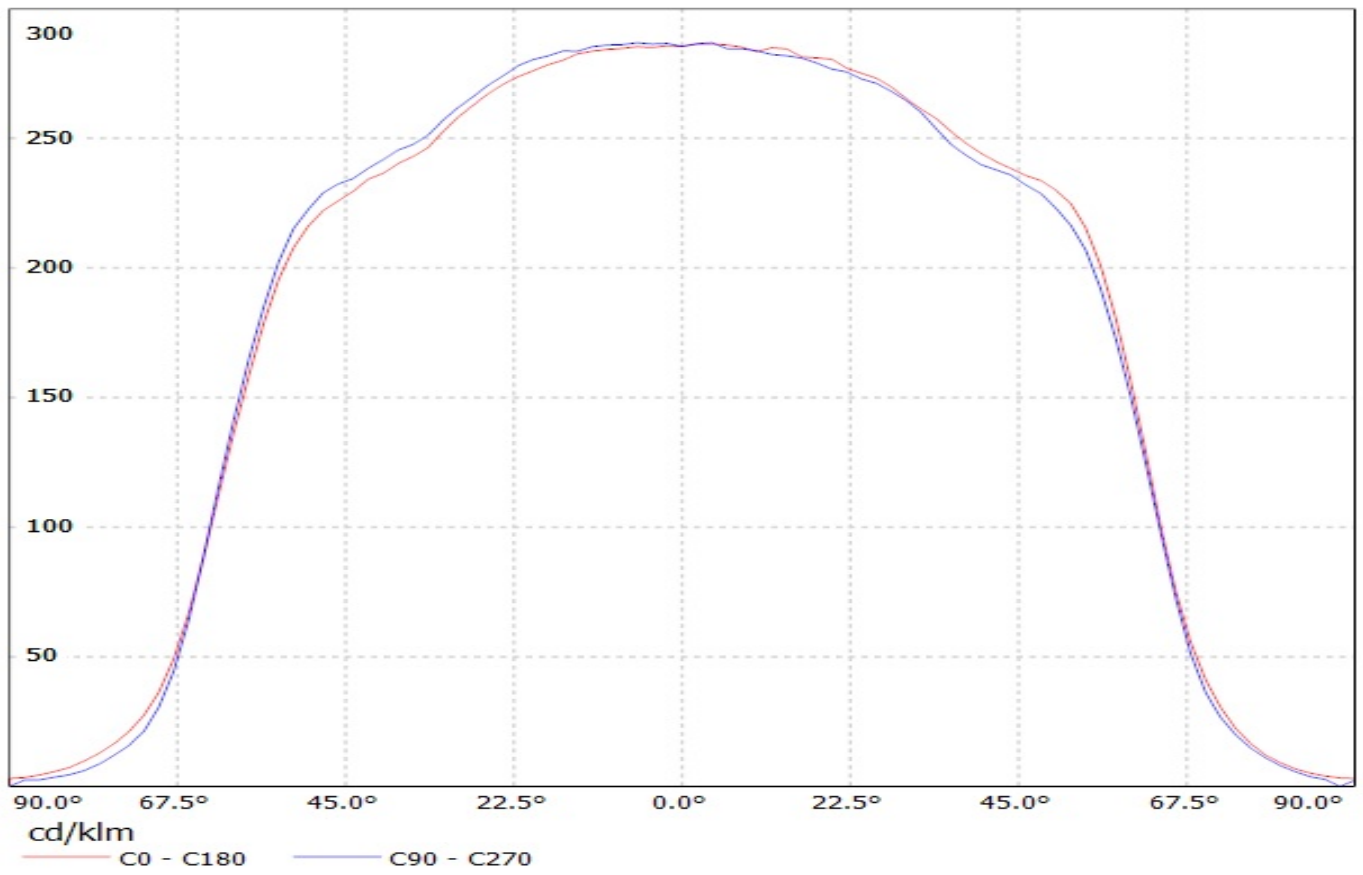
## Ledil C13499\_STRADA-2X2-CY\_(TL1L4) / LDC (Linear)

Luminaire: Ledil C13499\_STRADA-2X2-CY\_(TL1L4)

Lamps: 1 x Toshiba\_TL1L4\_2x2\_(TL1L4-DW0)\_472.639lm@250mA\_CCT=6500K\_P=2.9W\_I=0.25A

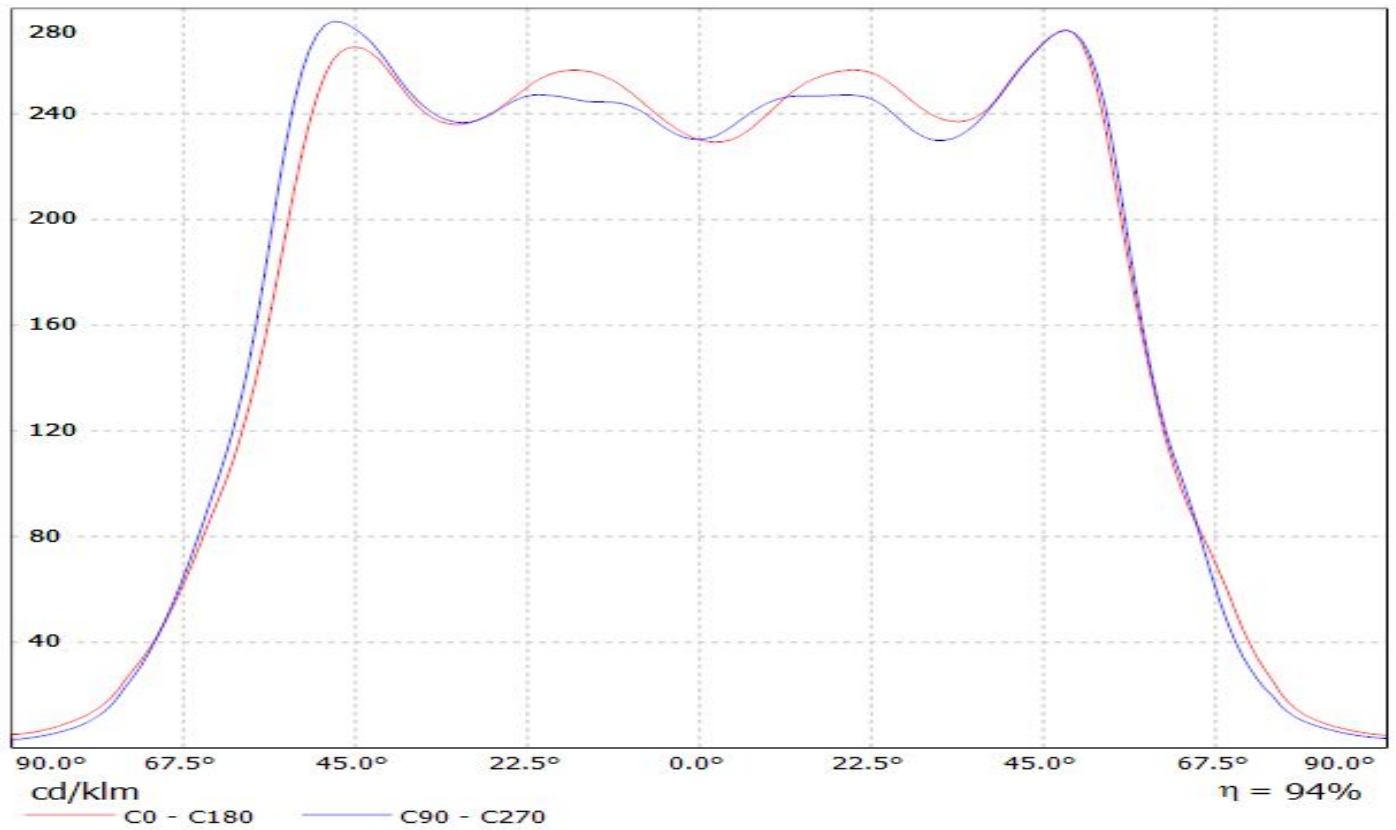


Luminaire: LEDil Oy C13499\_STRADA-2X2-CY\_(XM-L2) Efficiency=94%  
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 356lm @ 250mA CCT=3200K P=2.8W I=250mA

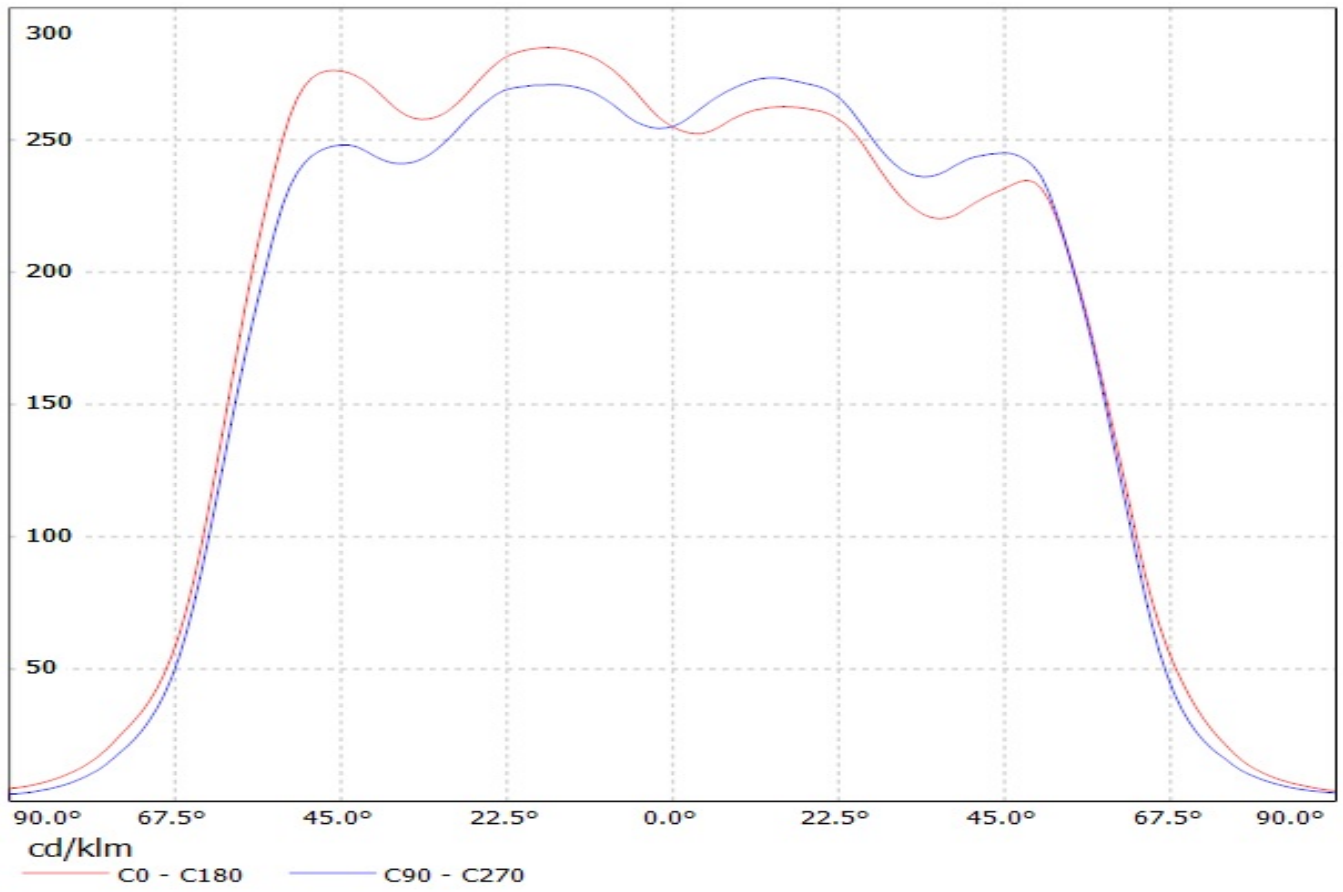


# LEDiL Oy C13499\_STRADA-2X2-CY\_(SQ-PC) Eff.97.2% / LDC (Linear)

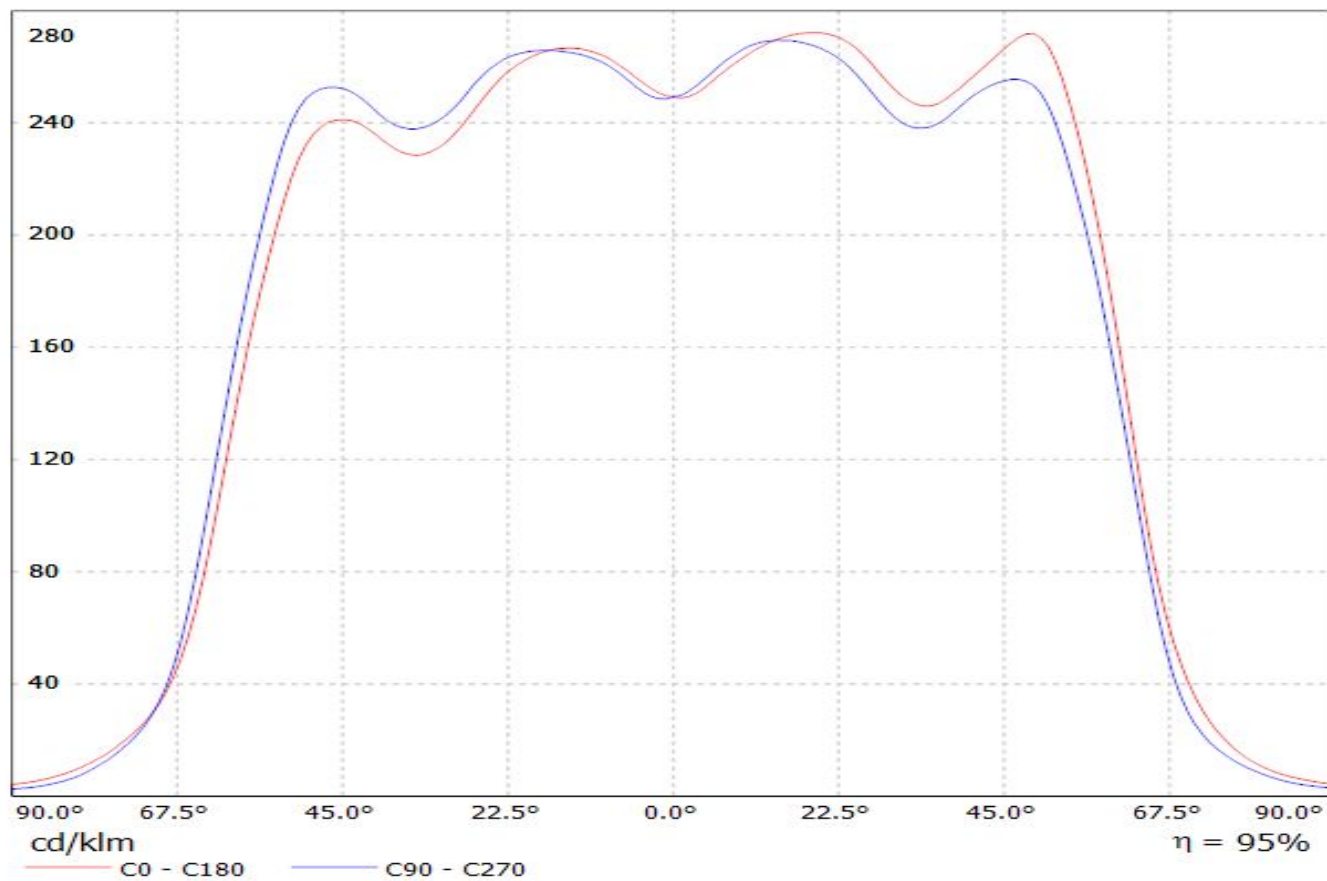
Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(SQ-PC) Eff.97.2%  
Lamps: 1 x Osram\_Oslon-Square-PC\_2x2\_(LQW-CQAR\_PC-MSMU-5H71-1)  
\_404.7lm@250mA\_CCT=5960K\_P=2.96862W\_I=249.8mA



Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(Z5M1)\_(SZ5-M1-WN-C8)\_Eff.\_94%  
Lamps: 1 x Seoul\_Z5M1\_2X2\_(SZ5-M1-WN-C8)\_396lm@250mA\_CCT=4587K\_P=2.9W\_I=250mA

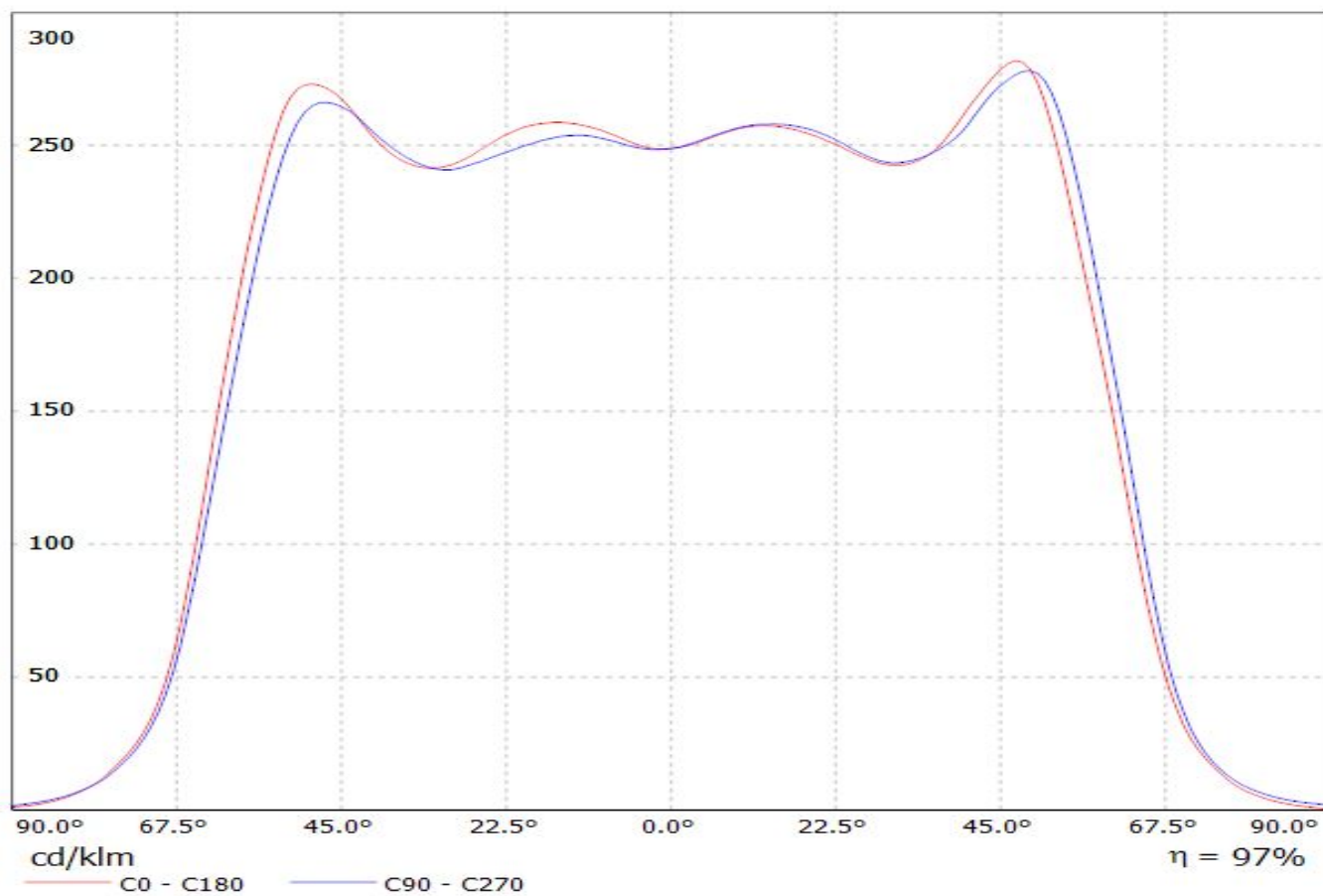


Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(Luxeon\_TX)  
Lamps: 1 x Luxeon\_TX\_2x2\_320.412lm@250mA\_P=2.79013W\_I=249.9mA

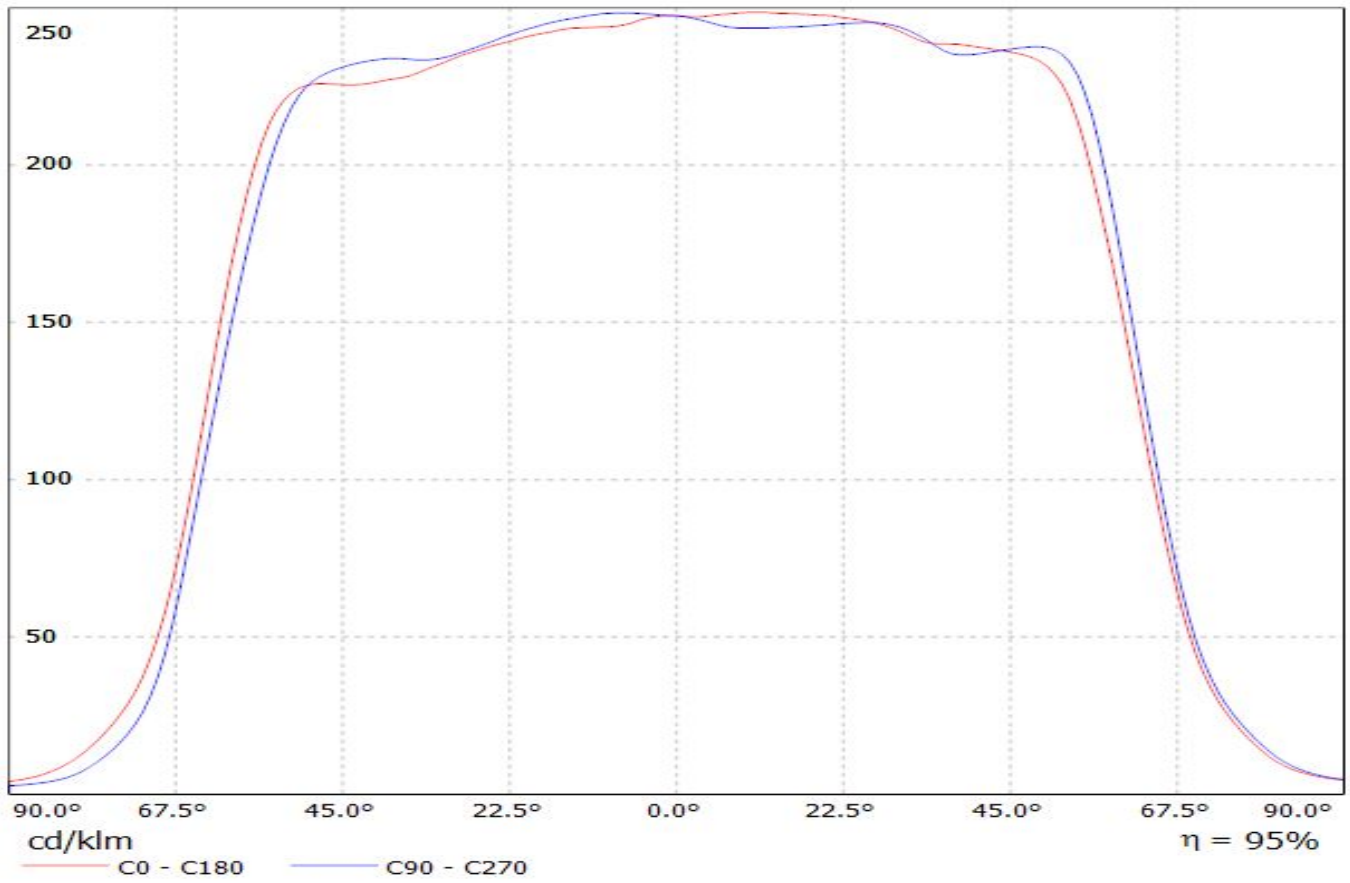




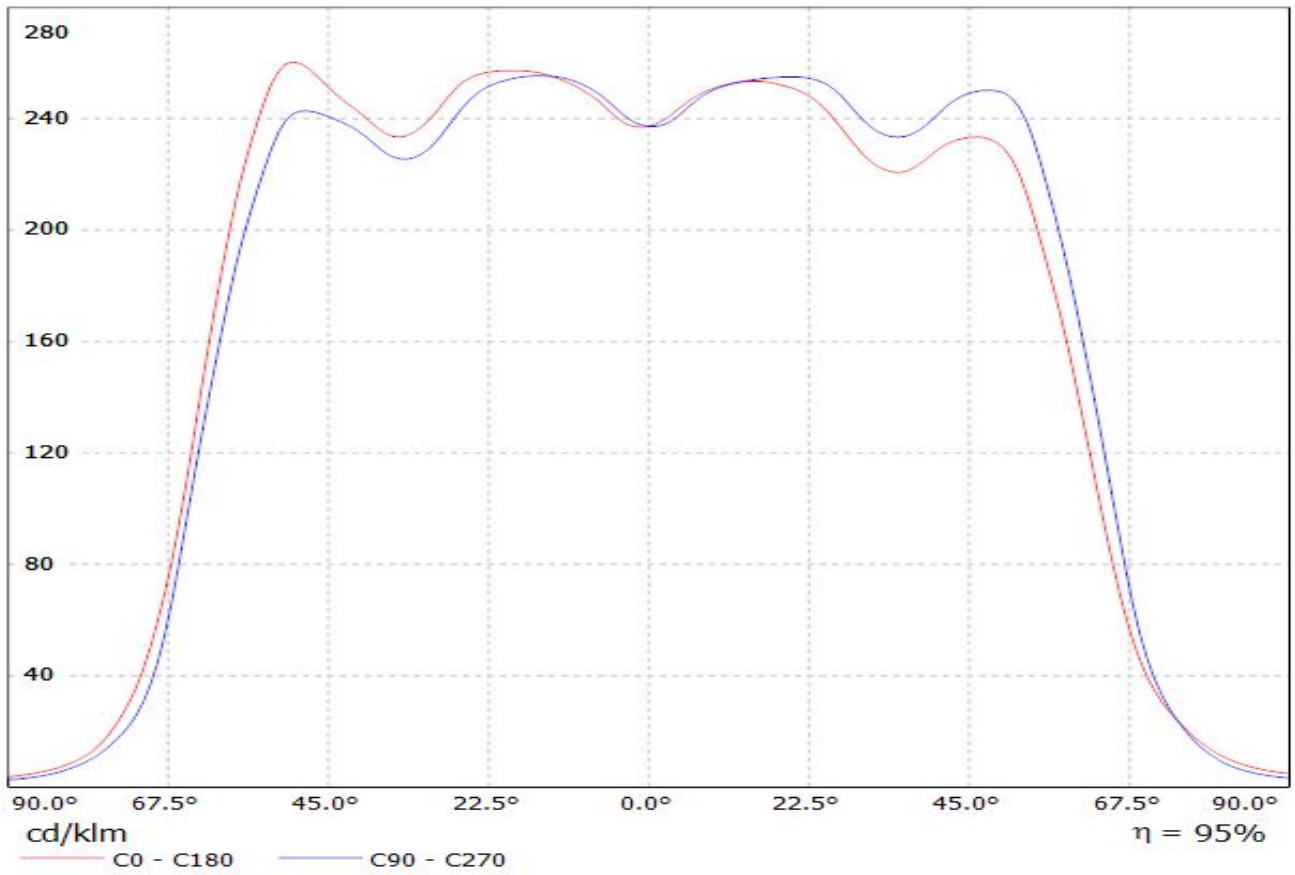
Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(Fortimo\_F-Flex\_2x8\_740DAG3)  
Lamps: 1 x Philips\_Fortimo\_F-Flex\_2x8\_740DAG3\_1786.86lm@250mA\_P=11.6092W\_η=0.2498A



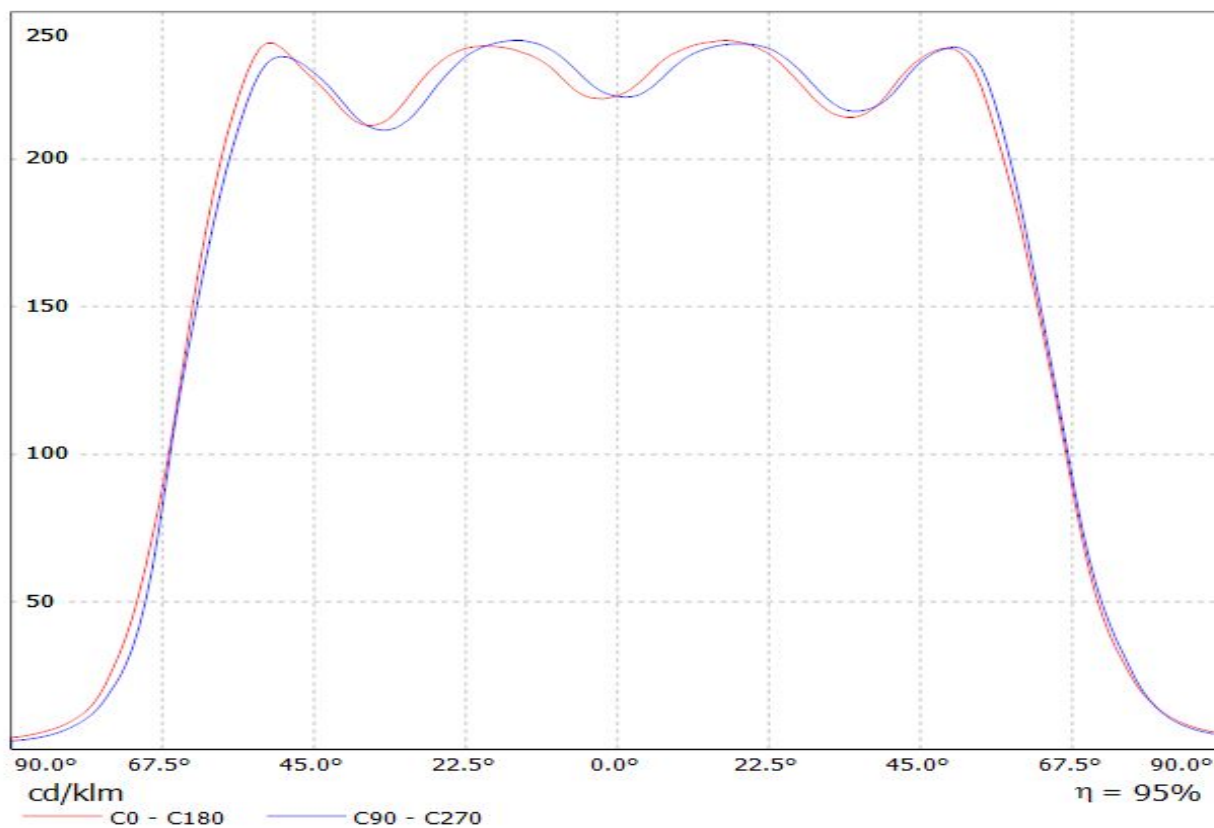
Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(XM-L) Eff. 94%  
Lamps: 1 x CREE\_XM-L\_2x2\_354.749lm@250mA\_P=2.82762W\_I=249.9mA



Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(LUXEON\_T) Eff. 94%  
Lamps: 1 x LUXEON\_T\_2x2\_(LXH8-FW30-3)\_293lm@250mA\_CCT=3173K\_P=2.79801W\_I=249.8mA

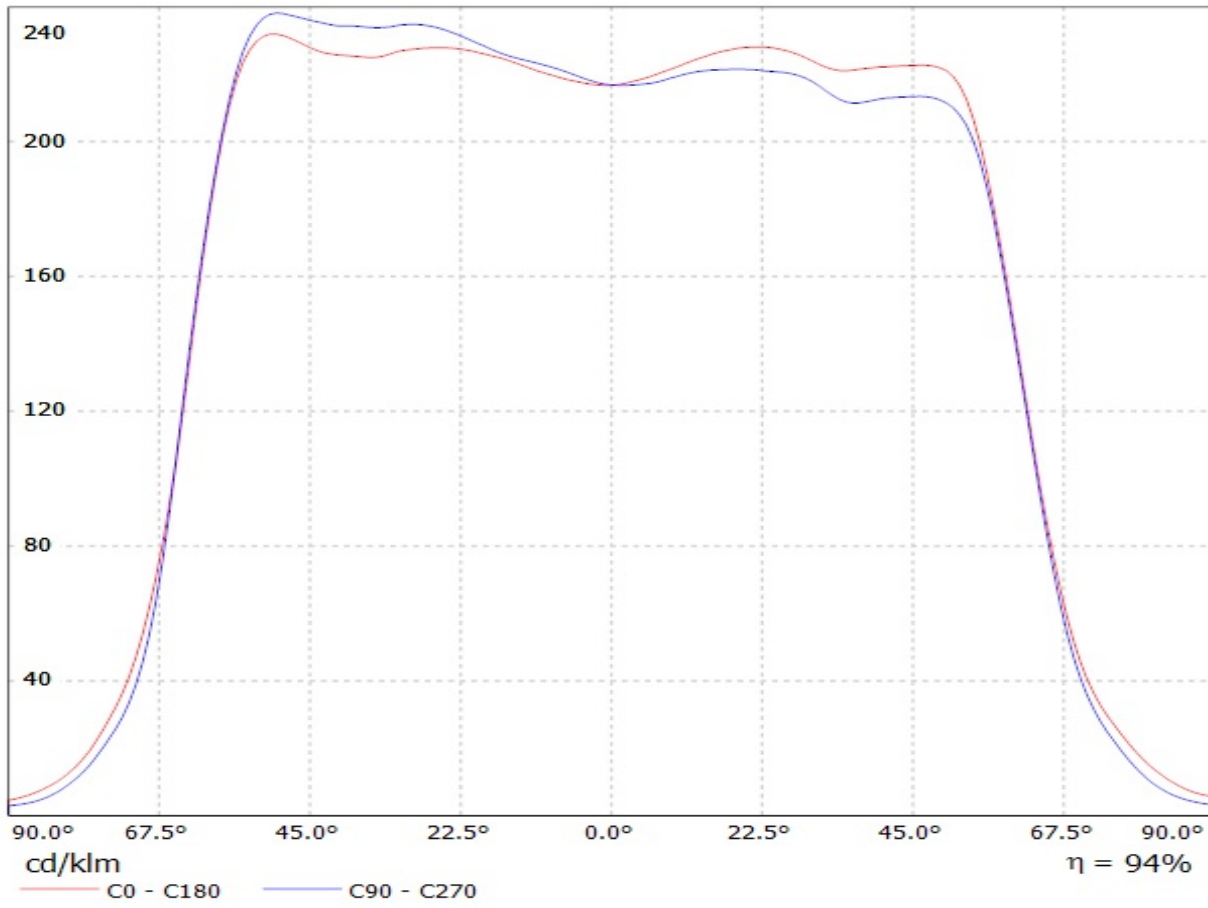


Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(XP-G) Eff. 94%  
Lamps: 1 x CREE\_XP-G\_2x2\_253.946lm@250mA\_P=2.89059W\_I=249.9mA

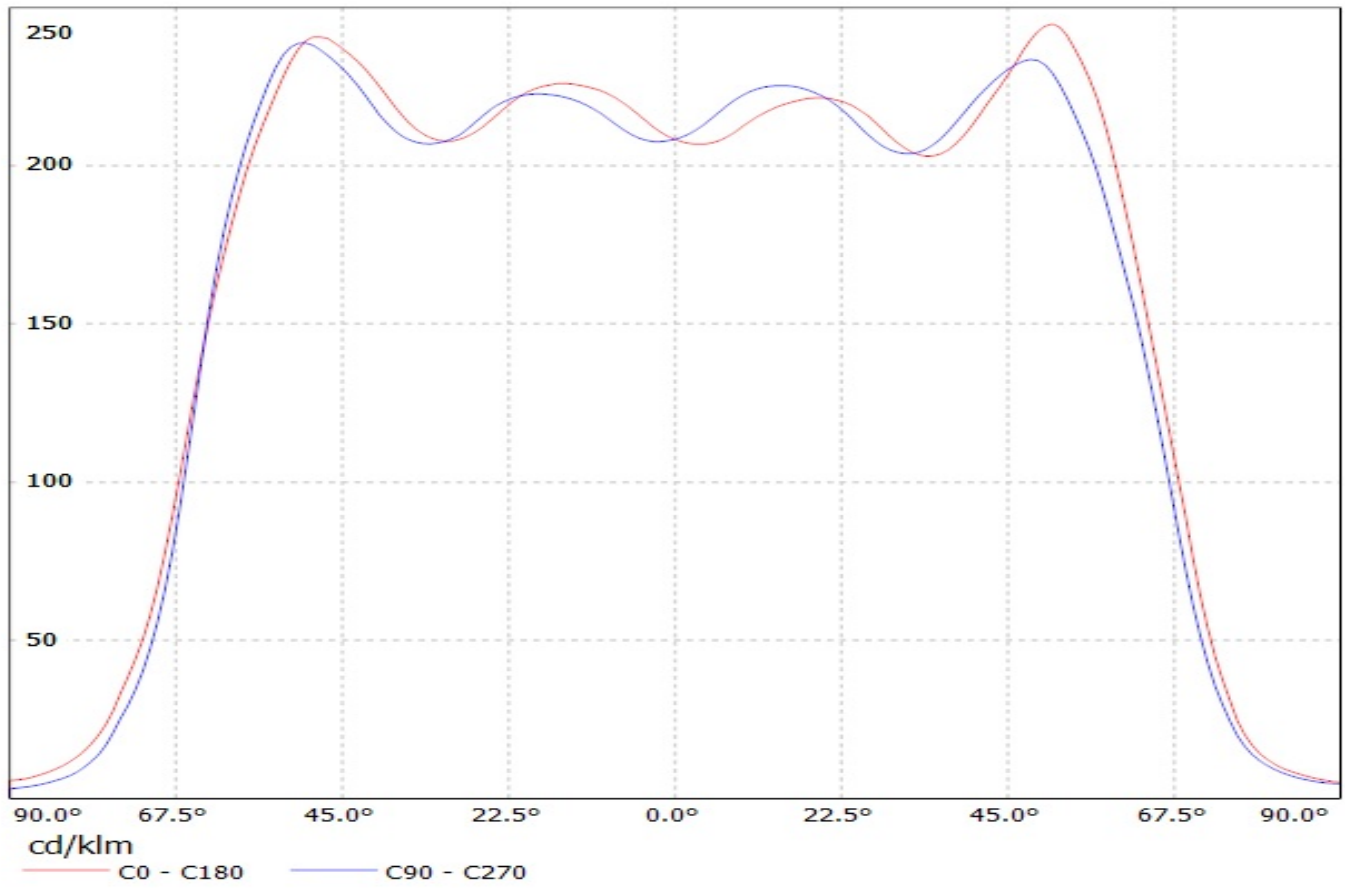


Luminaire: LEDiL Oy C13499\_STRADA-2x2-CY\_(XP-L)

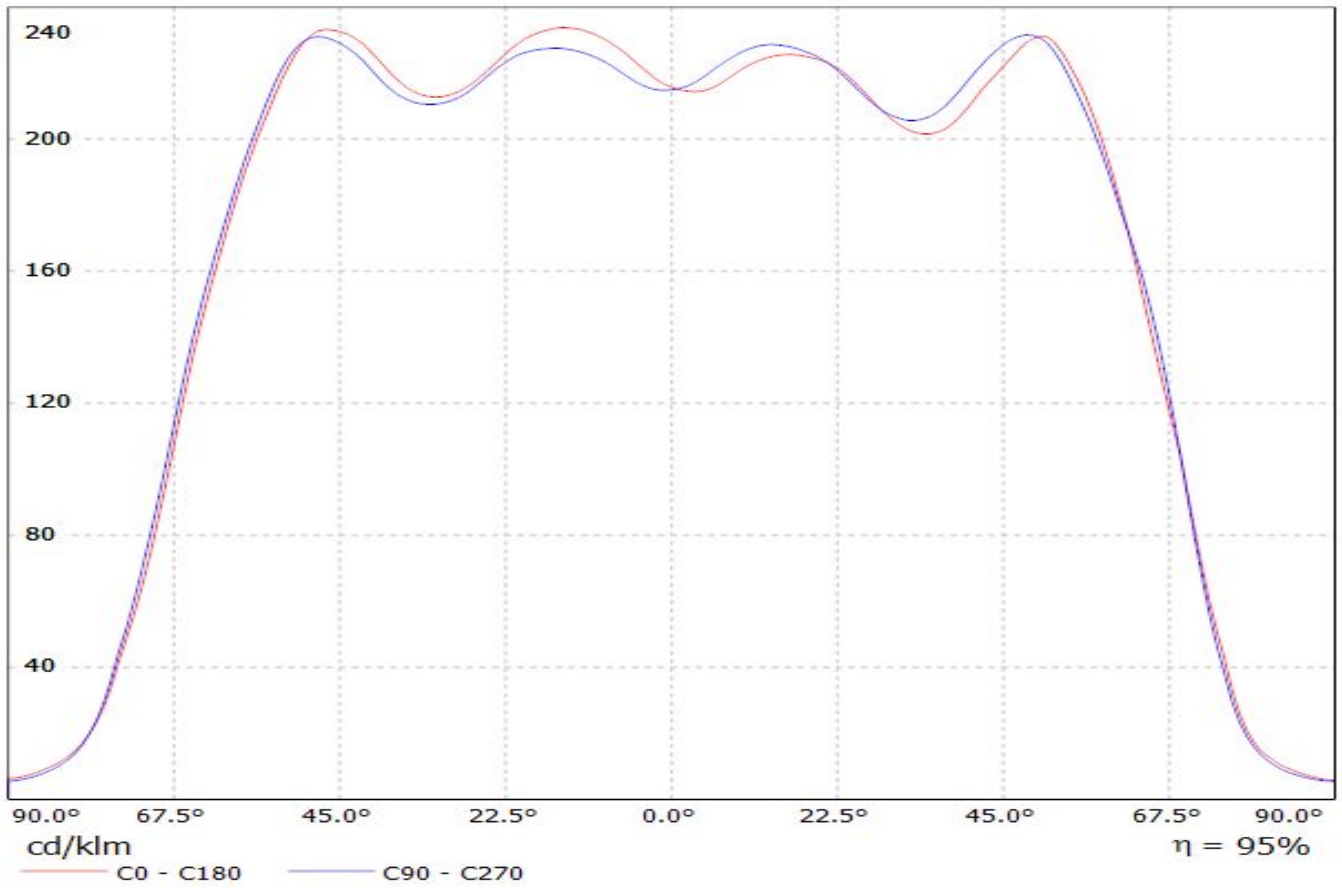
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_515.57lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



Luminaire: LEDiL Oy C13499\_STRADA-2x2-CY\_(LUXEON\_Q) Eff. 94%  
Lamps: 1 x LUXEON\_Q\_2x2\_(LHQ-3080)\_308lm@250mA\_P=2.87385W\_I=249.9mA



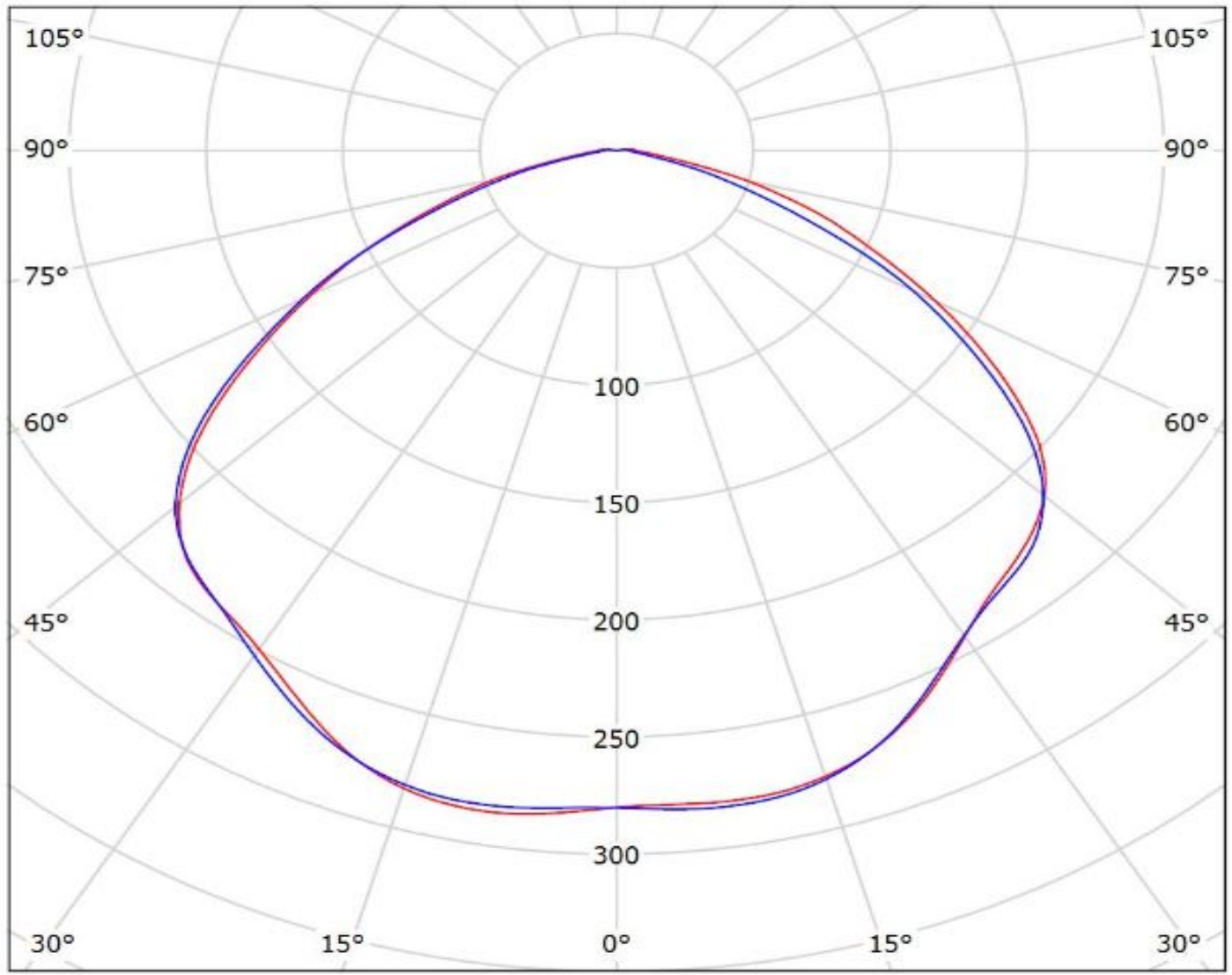
Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(XT-E) Eff.94%  
Lamps: 1 x CREE\_XT-E\_2x2\_393lm@250mA



# Ledil C13499\_STRADA-2X2-CY\_(TL1L3) / LDC (Polar)

Luminaire: Ledil C13499\_STRADA-2X2-CY\_(TL1L3)

Lamps: 1 x Toshiba\_TL1L3\_2x2\_(TL1L3-NW1.L)\_387.773lm@250mA\_CCT=5000K\_P=2.829W\_I=0.25A



cd/klm

— C0 - C180

— C90 - C270

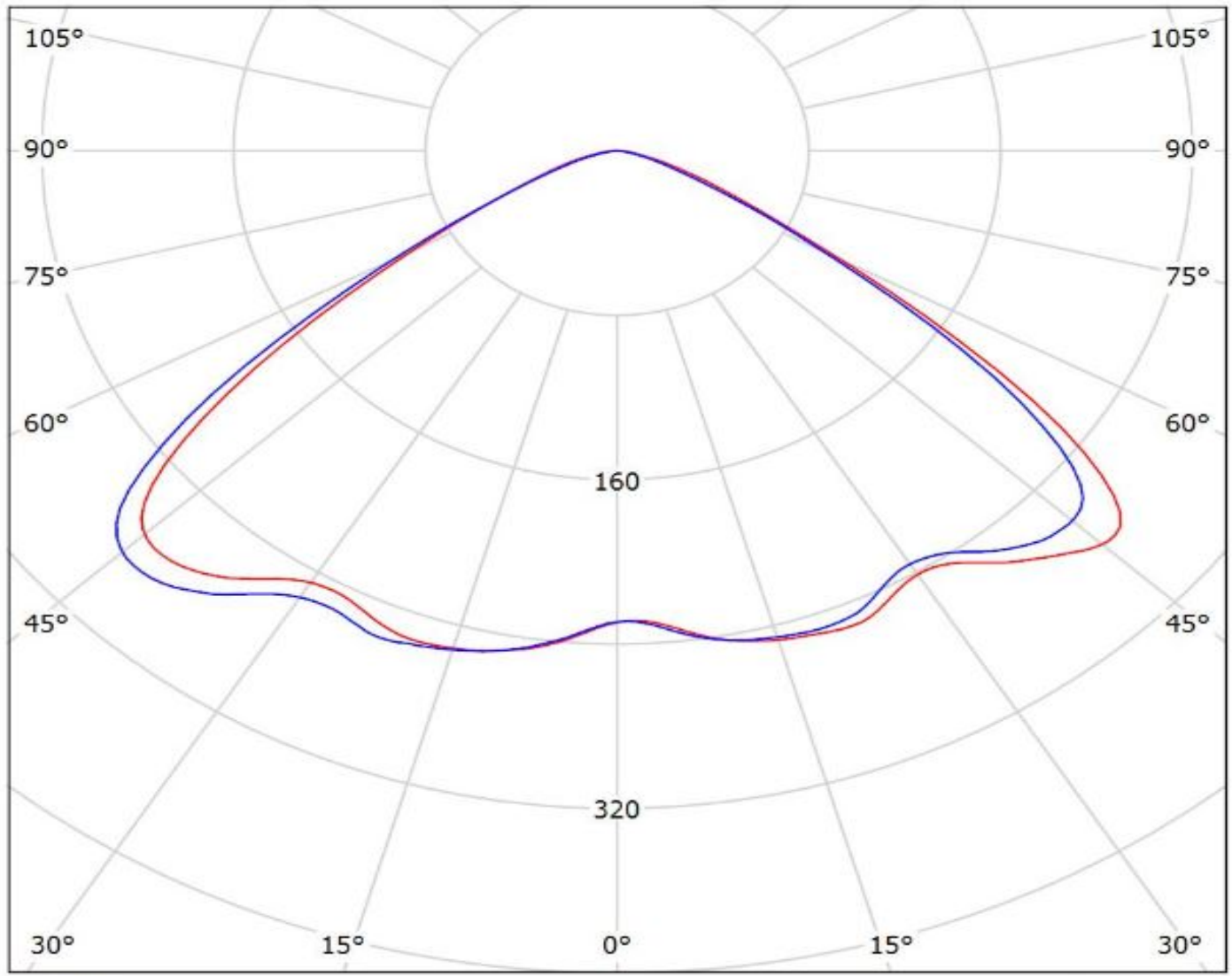
$\eta = 96\%$



# Ledil C13499\_STRADA-2X2-CY\_(TL1L4) / LDC (Polar)

Luminaire: Ledil C13499\_STRADA-2X2-CY\_(TL1L4)

Lamps: 1 x Toshiba\_TL1L4\_2x2\_(TL1L4-DW0)\_472.639lm@250mA\_CCT=6500K\_P=2.9W\_I=0.25A



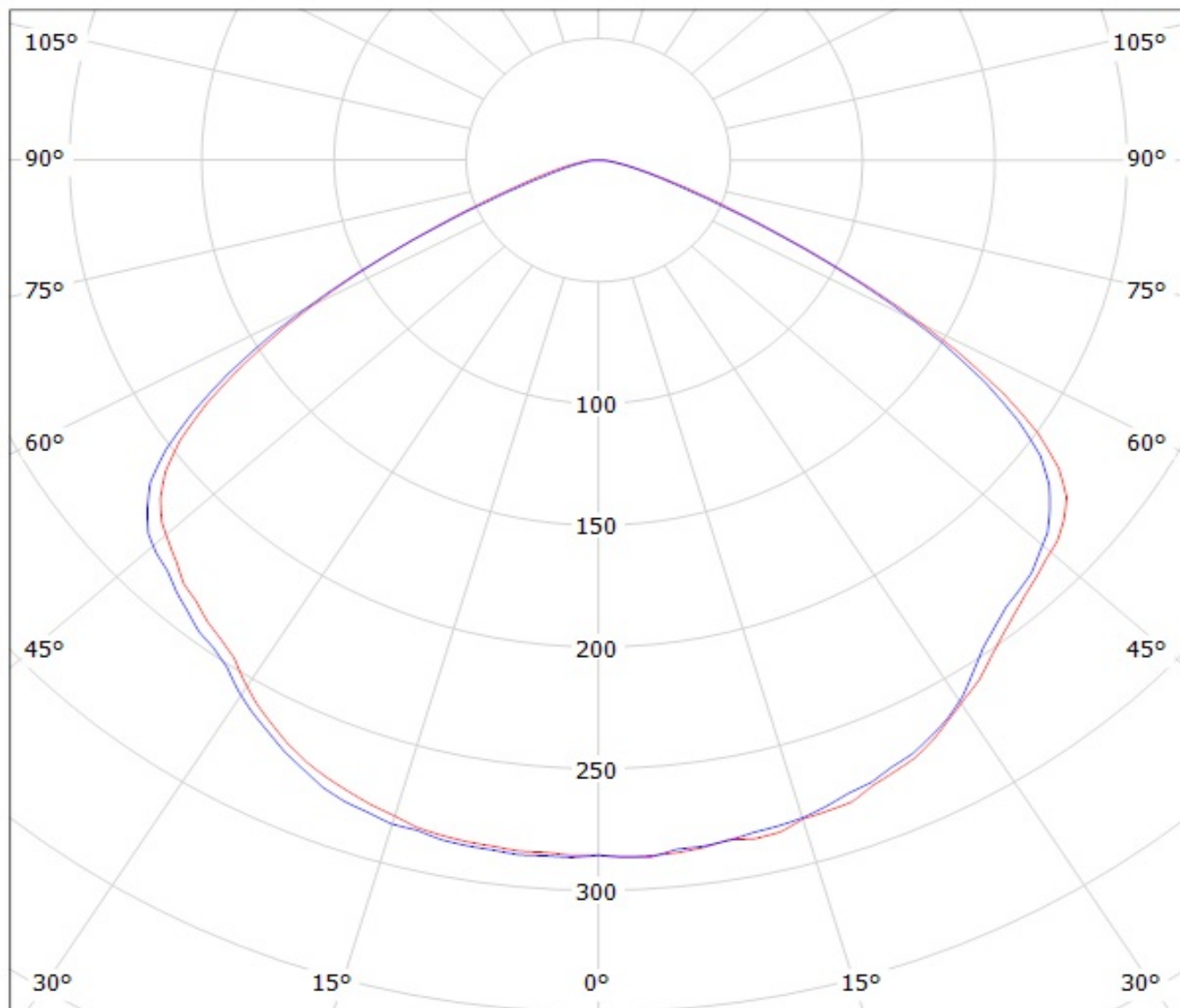
cd/klm

— C0 - C180

— C90 - C270

$\eta = 91\%$

Luminaire: LEDil Oy C13499\_STRADA-2X2-CY\_(XM-L2) Efficiency=94%  
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 356lm @ 250mA CCT=3200K P=2.8W I=250mA



cd/klm

— C0 - C180

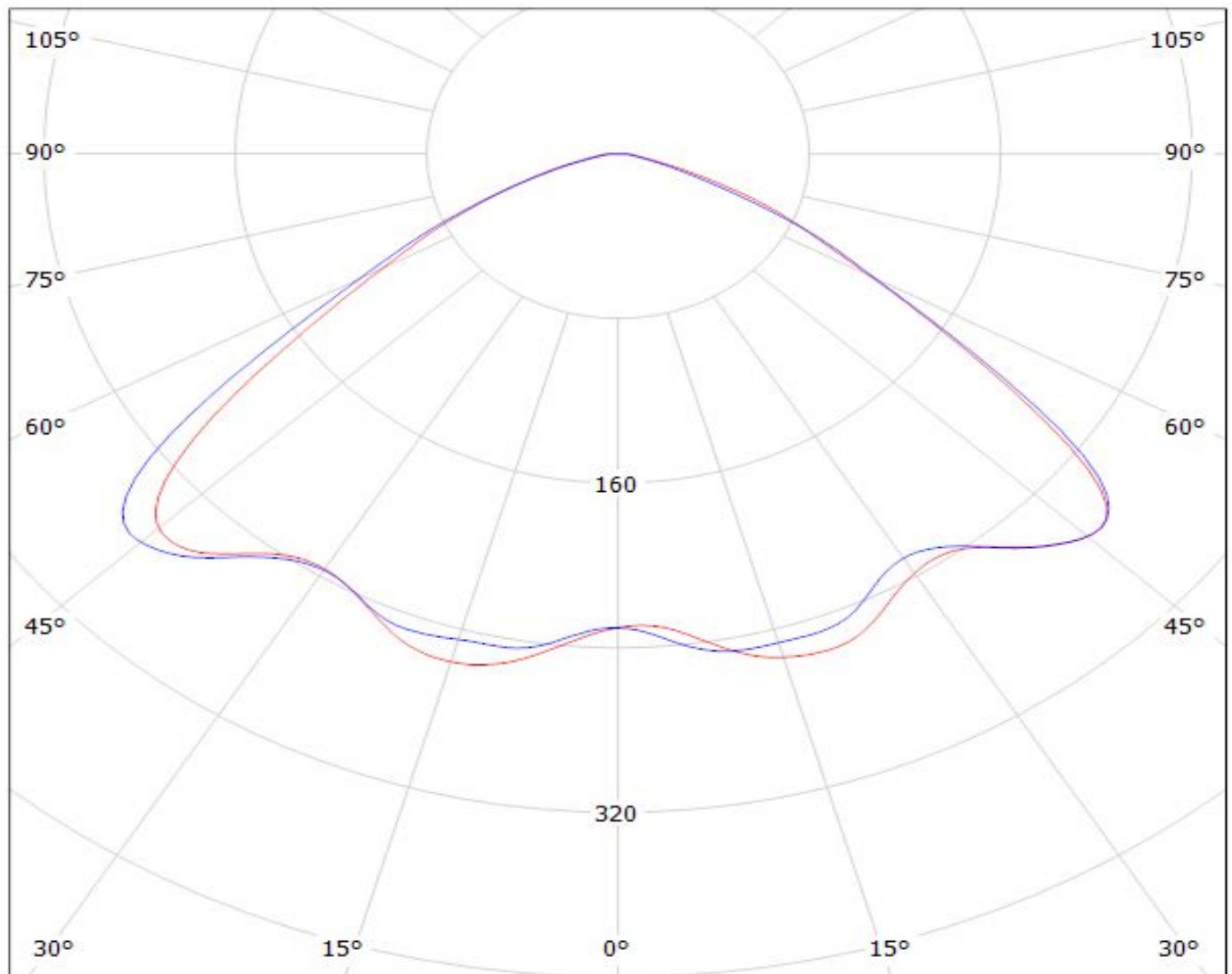
— C90 - C270

# LEDiL Oy C13499\_STRADA-2X2-CY\_(SQ-PC) Eff.97.2% / LDC (Polar)

Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(SQ-PC) Eff.97.2%

Lamps: 1 x Osram\_Oslon-Square-PC\_2x2\_(LQW-CQAR.PC-MSMU-5H71-1)

\_404.7lm@250mA\_CCT=5960K\_P=2.96862W\_I=249.8mA



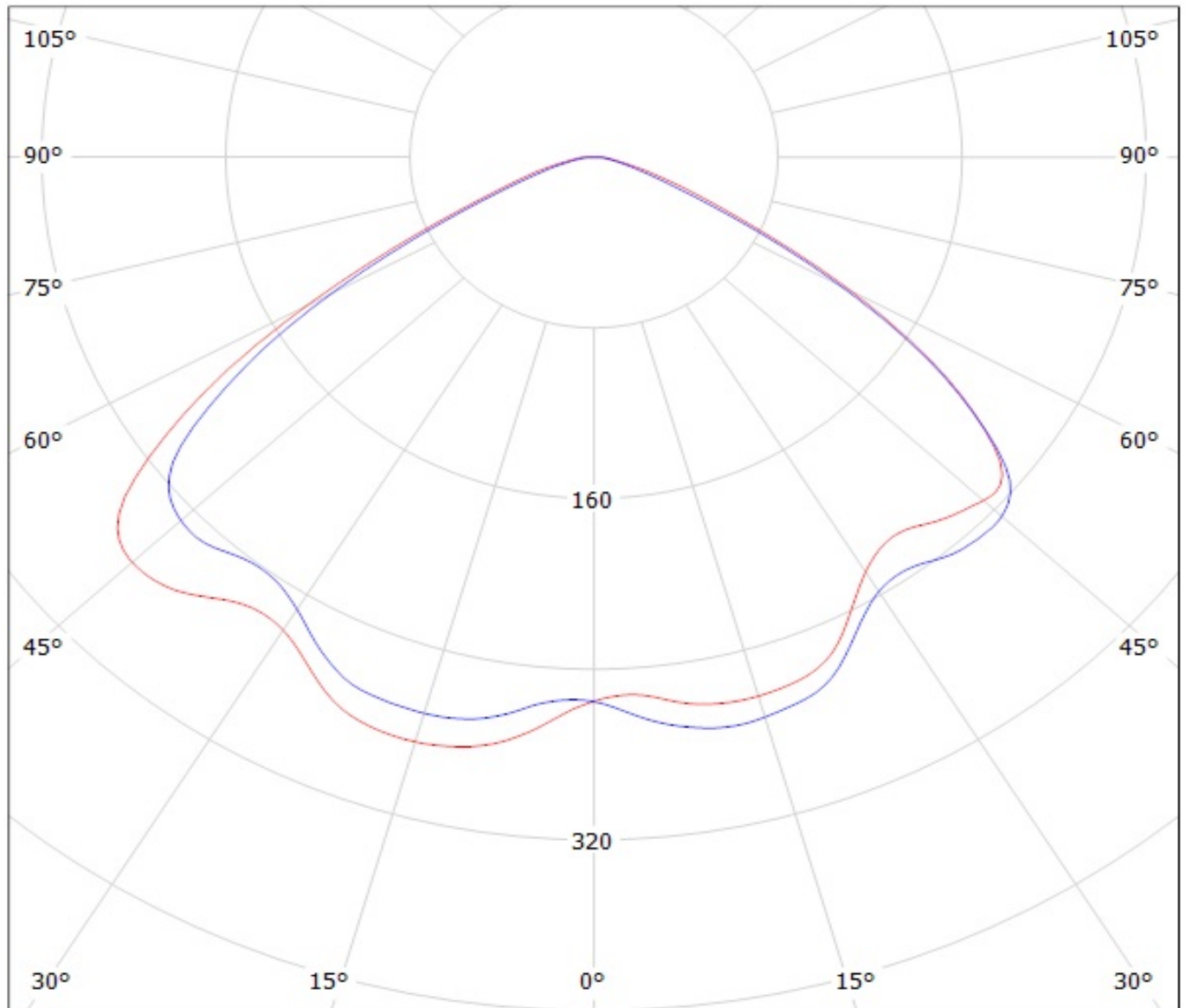
cd/klm

— C0 - C180

— C90 - C270

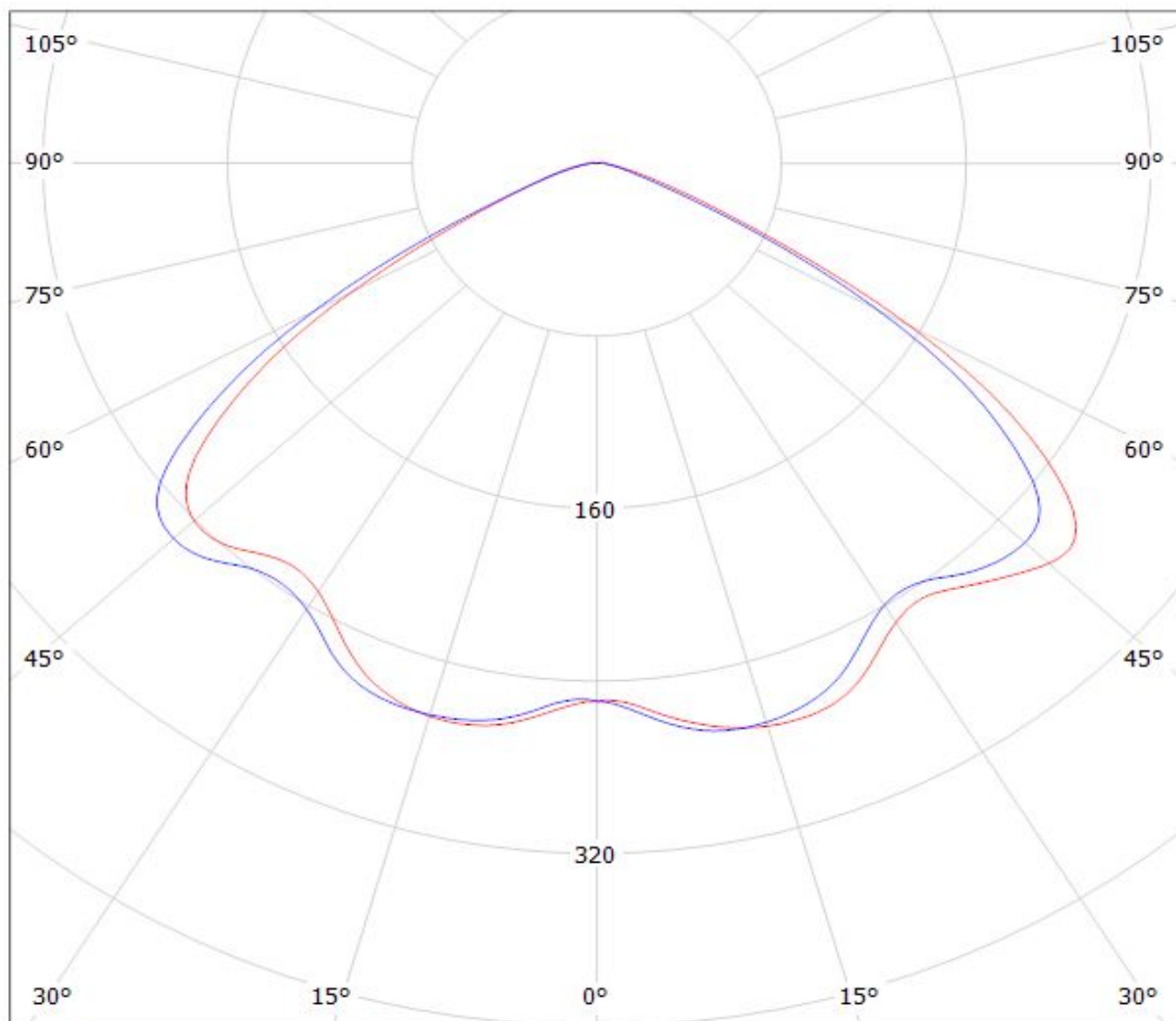
$\eta = 94\%$

Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(Z5M1)\_(SZ5-M1-WN-C8)\_Eff.\_94%  
Lamps: 1 x Seoul\_Z5M1\_2X2\_(SZ5-M1-WN-C8)\_396lm@250mA\_CCT=4587K\_P=2.9W\_I=250mA



cd/klm  
— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(Luxeon\_TX)  
Lamps: 1 x Luxeon\_TX\_2x2\_320.412lm@250mA\_P=2.79013W\_I=249.9mA



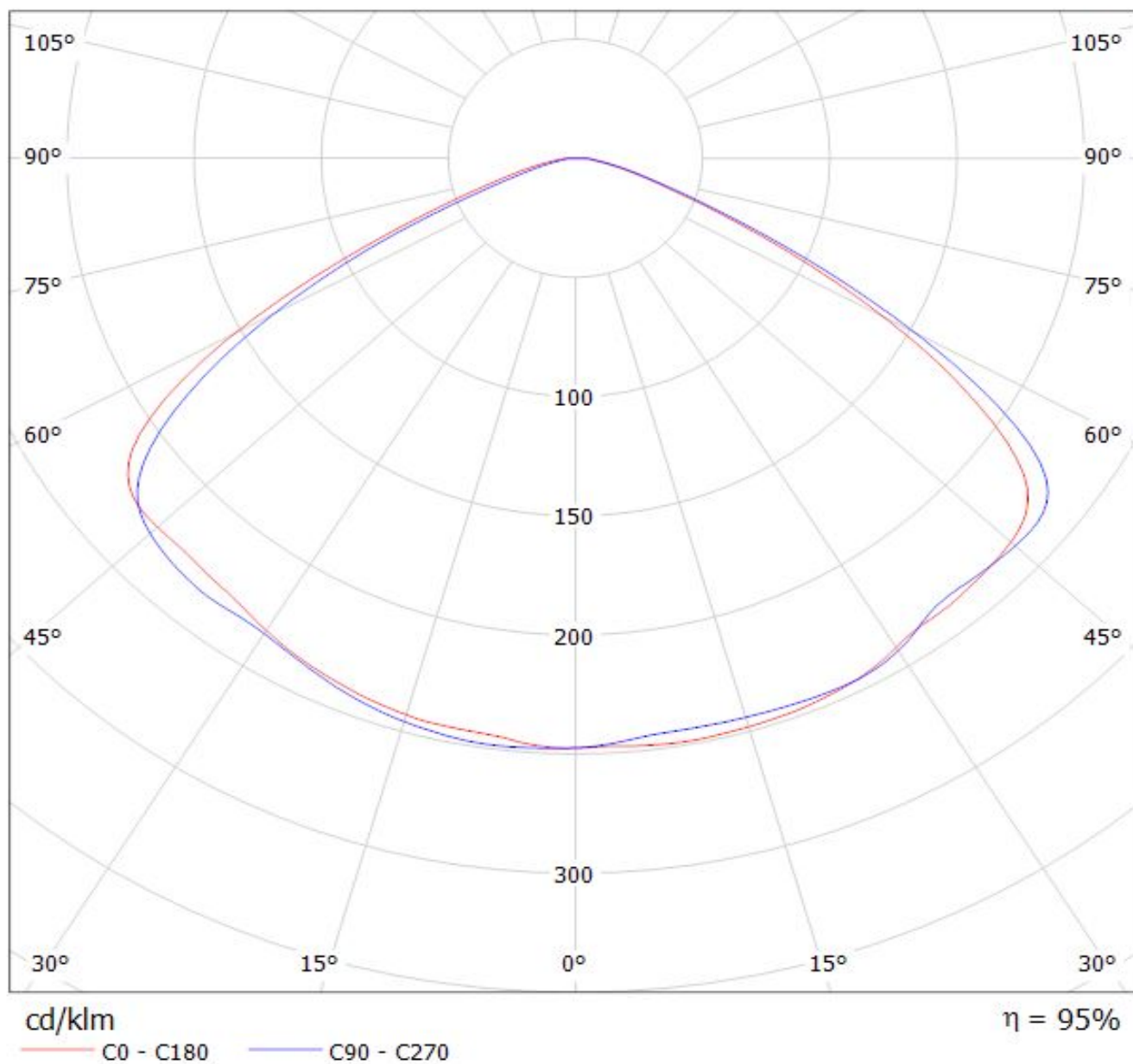
cd/klm

$\eta = 95\%$

— C0 - C180    — C90 - C270

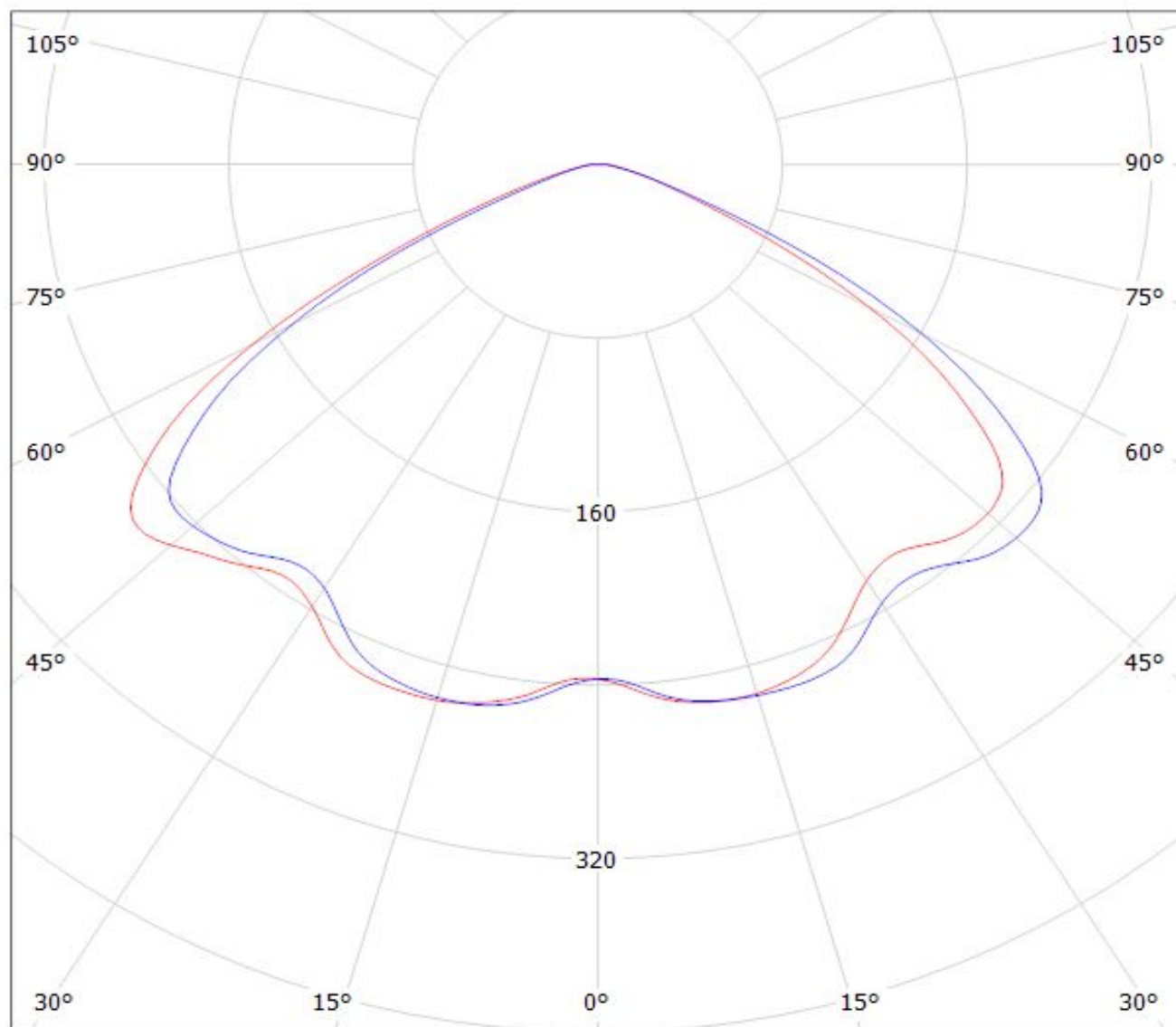


Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(XM-L) Eff. 94%  
Lamps: 1 x CREE\_XM-L\_2x2\_354.749lm@250mA\_P=2.82762W\_I=249.9mA



Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(LUXEON\_T) Eff. 94%

Lamps: 1 x LUXEON\_T\_2x2\_(LXH8-FW30-3)\_293lm@250mA\_CCT=3173K\_P=2.79801W\_I=249.8mA



$\eta = 95\%$

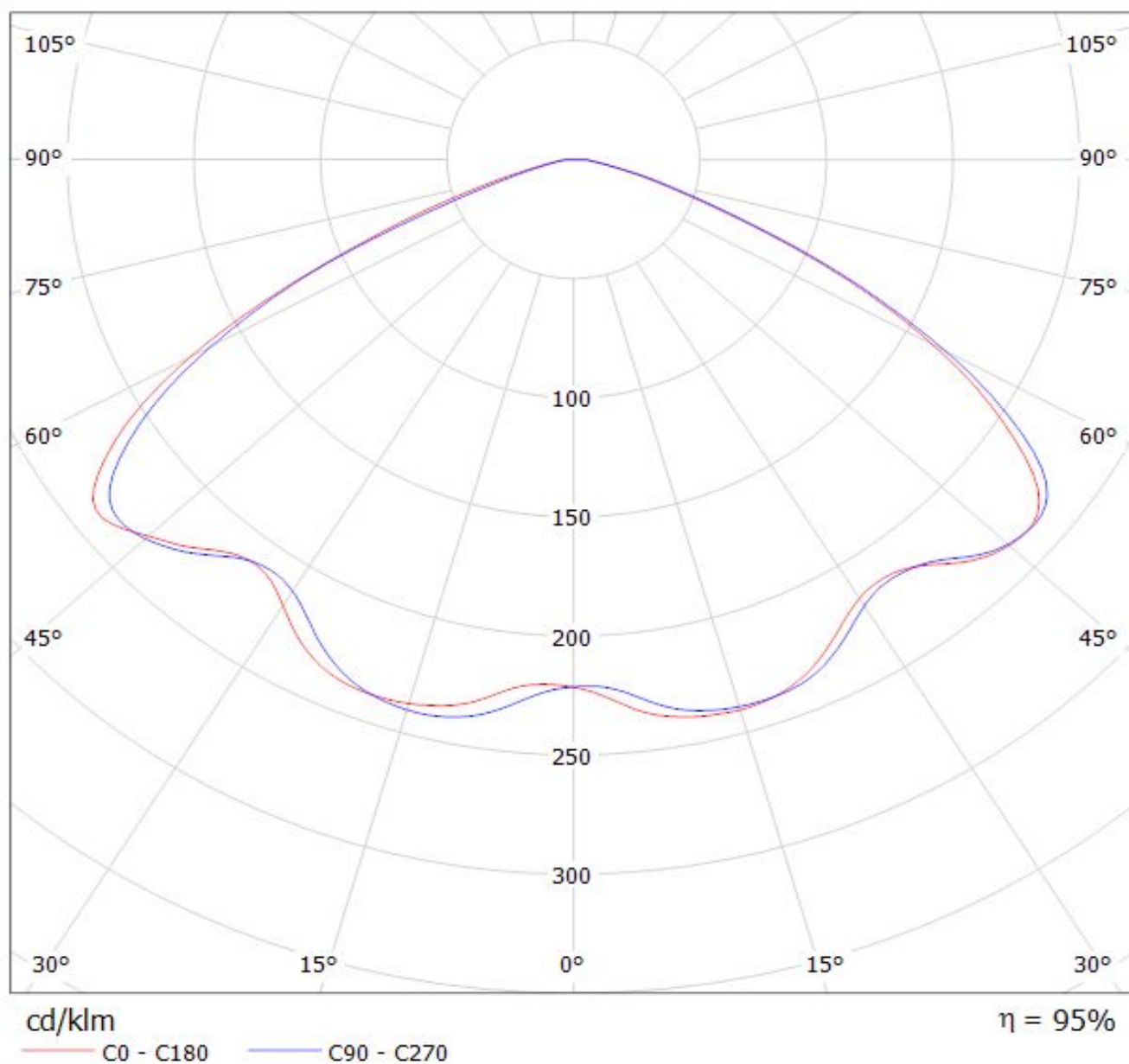
cd/klm

— C0 - C180

— C90 - C270

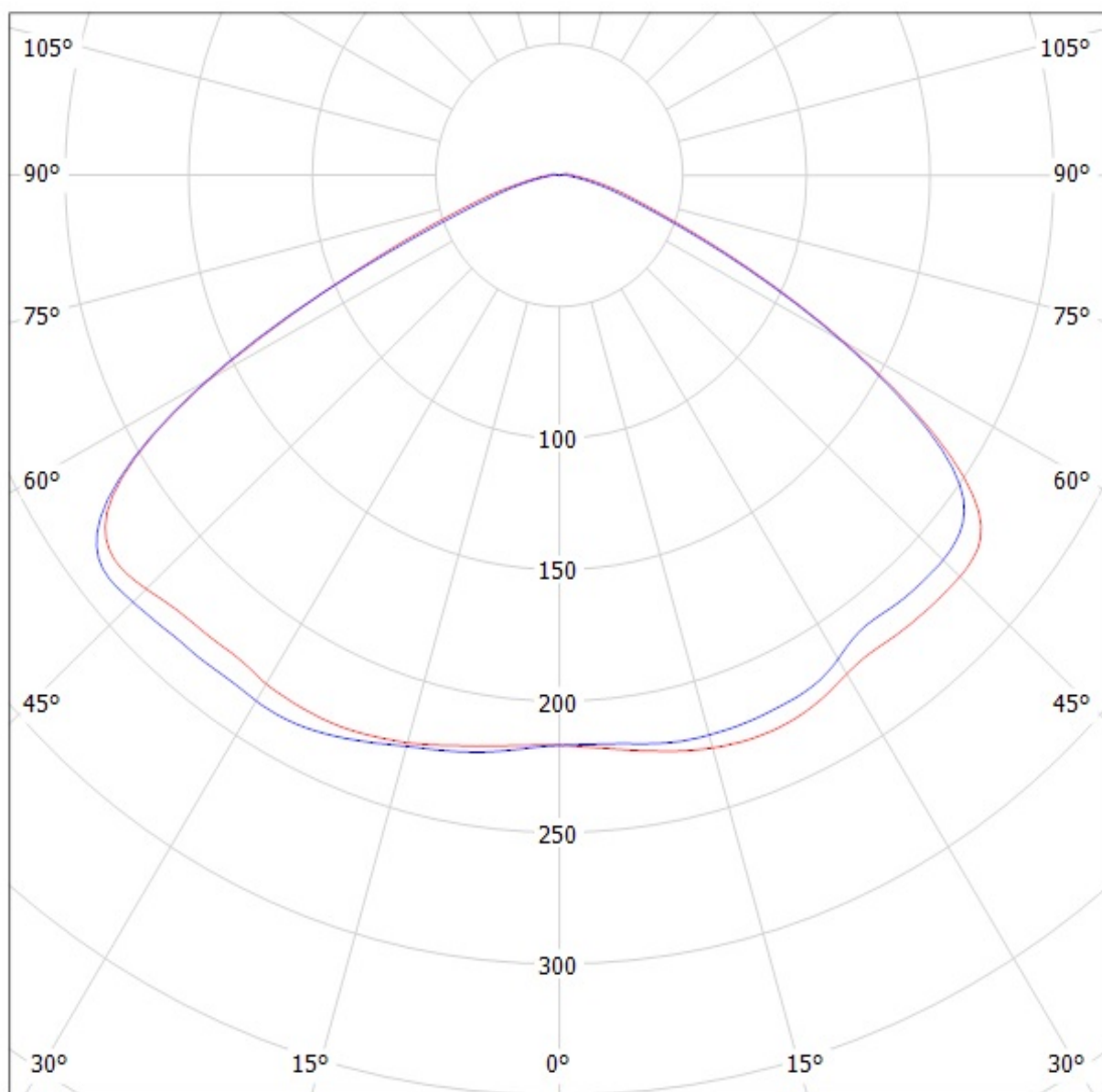


Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(XP-G) Eff. 94%  
Lamps: 1 x CREE\_XP-G\_2x2\_253.946lm@250mA\_P=2.89059W\_I=249.9mA



Luminaire: LEDiL Oy C13499\_STRADA-2x2-CY\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_515.57lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA

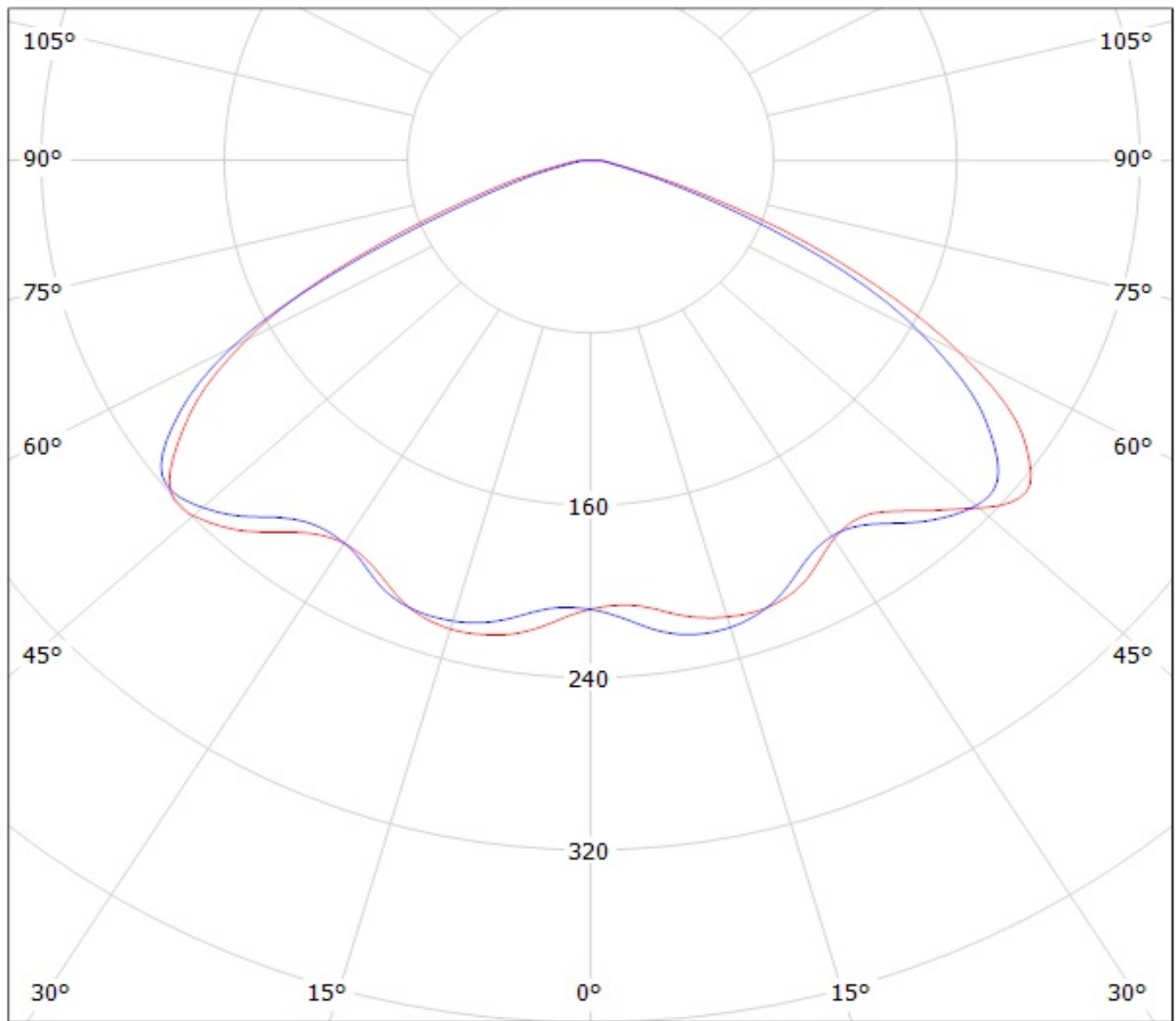


cd/klm

— C0 - C180 — C90 - C270

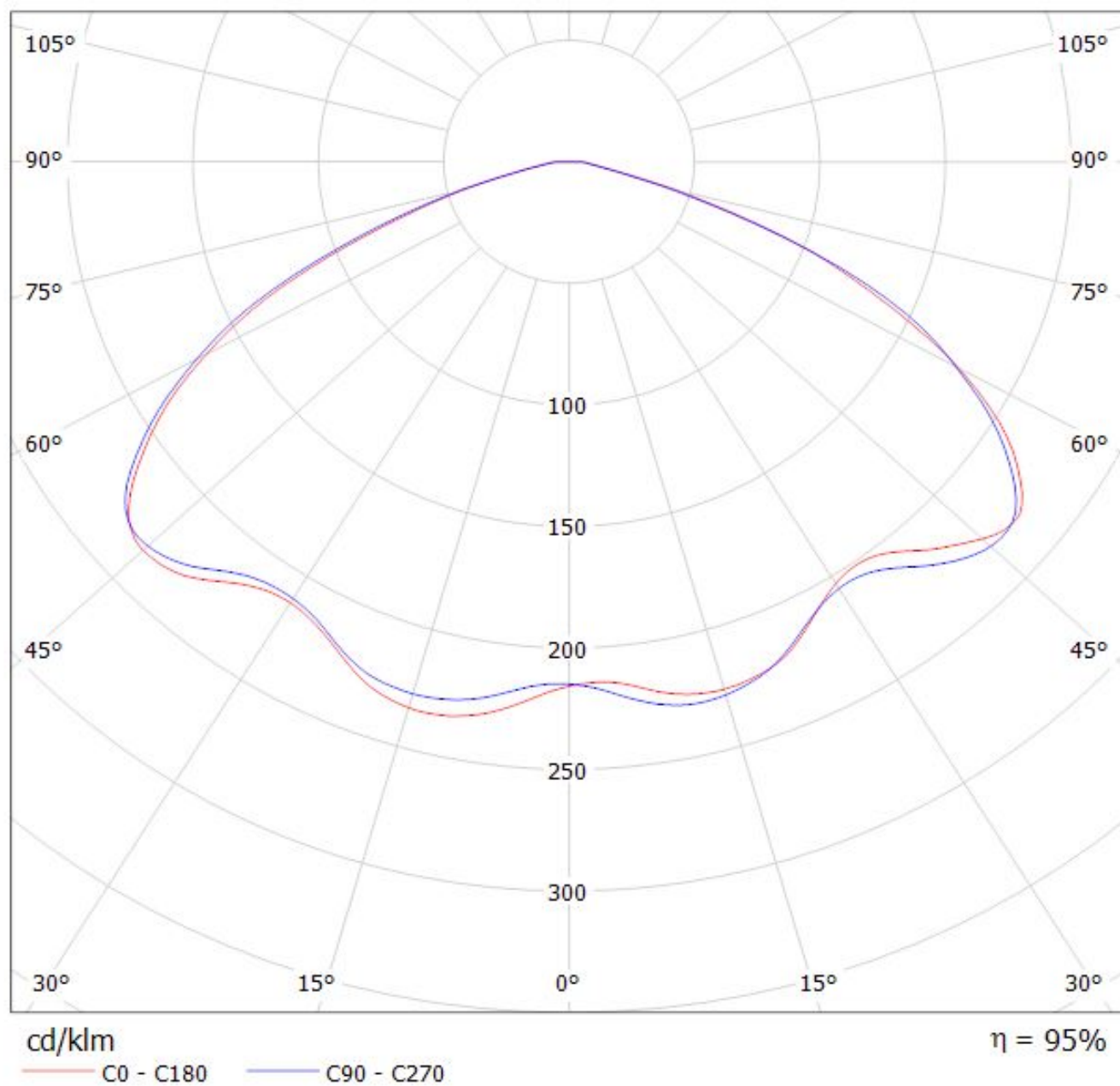
$\eta = 94\%$

Luminaire: LEDiL Oy C13499\_STRADA-2x2-CY\_(LUXEON\_Q) Eff. 94%  
Lamps: 1 x LUXEON\_Q\_2x2\_(LHQ-3080)\_308lm@250mA\_P=2.87385W\_I=249.9mA



cd/klm  
— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy C13499\_STRADA-2X2-CY\_(XT-E) Eff.94%  
Lamps: 1 x CREE\_XT-E\_2x2\_393lm@250mA



**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.**