

## DETAILS

<b>Product Number</b>	C13805_STRADA-2X2-T4
<b>Family</b>	Strada
<b>Type</b>	Lens
<b>Color</b>	clear
<b>Diameter</b>	50x50 mm
<b>Height</b>	7,7 mm
<b>Style</b>	square
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	pin, screw
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	12/05/2017



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XM-L	Asymmetric deg	Asymmetric	95 %	0.630	-
XP-G	Asymmetric deg	Asymmetric	94 %	0.500	-
XT-E	Asymmetric deg	Asymmetric	94 %	0.500	-
XP-L	asymmetric deg	Asymmetric	94 %	0.520	-
XM-L2	sim: Asymmetric	Asymmetric	sim: 94 %	-	-
XP-L HI	asymmetric deg	Asymmetric	94 %	0.560	-
XHP35 HD	sim: Asymmetric	Asymmetric	sim: 90 %	-	-
XHP35 HI	sim: Asymmetric	Asymmetric	sim: 93 %	-	-
XP-G2	Asymmetric deg	Asymmetric	94 %	0.570	-
XP-G3	Asymmetric deg	Asymmetric	94 %	0.600	-
XP-L2	Asymmetric deg	Asymmetric	94 %	0.540	-
H35C1 (LEMWA33)	Asymmetric deg	Asymmetric	94 %	0.600	-
LUXEON T	Asymmetric deg	Asymmetric	95 %	0.600	-
LUXEON Q	asymmetric deg	Asymmetric	94 %	0.600	-
LUXEON MZ	asymmetric deg	Asymmetric	94 %	0.640	-
LUXEON TX	asymmetric deg	Asymmetric	94 %	0.590	-
NVSxx19B/NVSxx19C	sim: Asym	Asymmetric	sim: 94 %	sim: 0.603	-
NVSW3x9A	Asymmetric deg	Asymmetric	94 %	0.640	-
Oslon Square PC	asymmetric deg	Asymmetric	94 %	0.600	-
Oslon Square Gen3	sim: Asymmetric	Asymmetric	sim: 92 %	sim: 0.510	-
Duris S8	sim: Asymmetric	Asymmetric	sim: 93 %	sim: 0.500	-
Duris P8	sim: Asymmetric	Asymmetric	sim: 93 %	sim: 0.570	-
Duris P9	sim: Asymmetric	Asymmetric	sim: 94 %	sim: 0.500	-
Fortimo FastFlex LED board 2x8 DA G4	Asymmetric deg	Asymmetric	sim: 94 %	0.580	-
Fortimo FastFlex LED board 2x8 DAX G4	asymmetric deg	Asymmetric	94 %	sim: 0.000	-



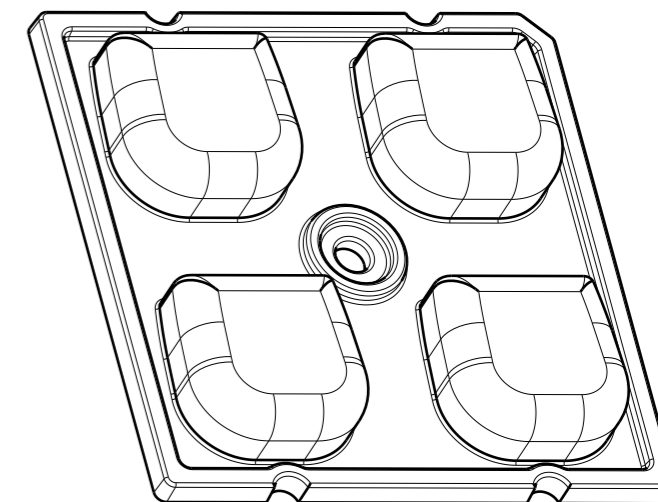
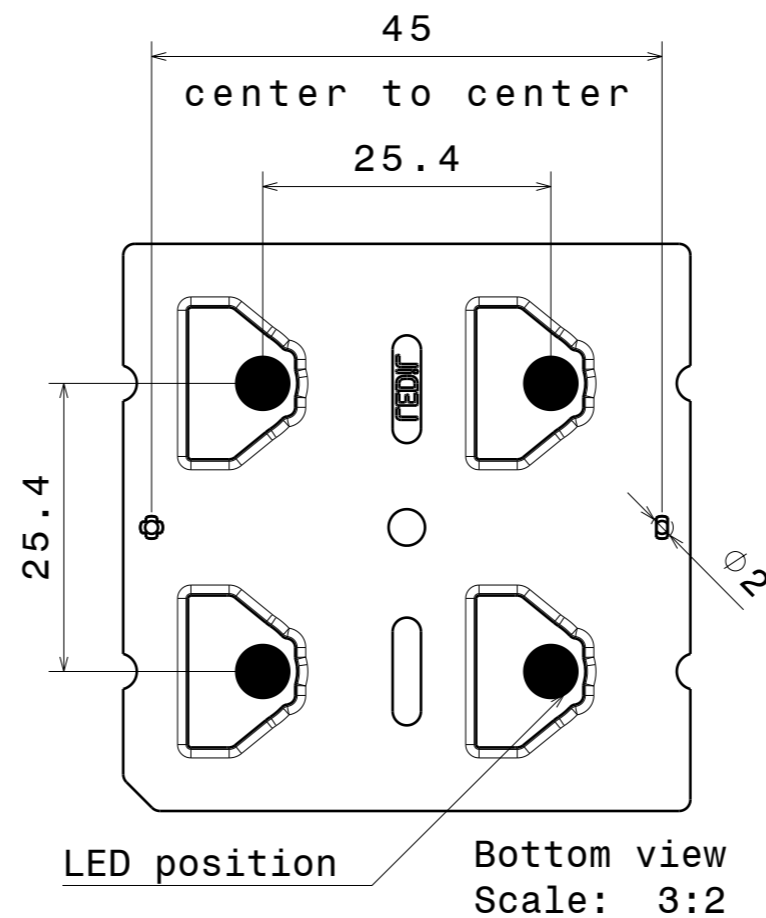
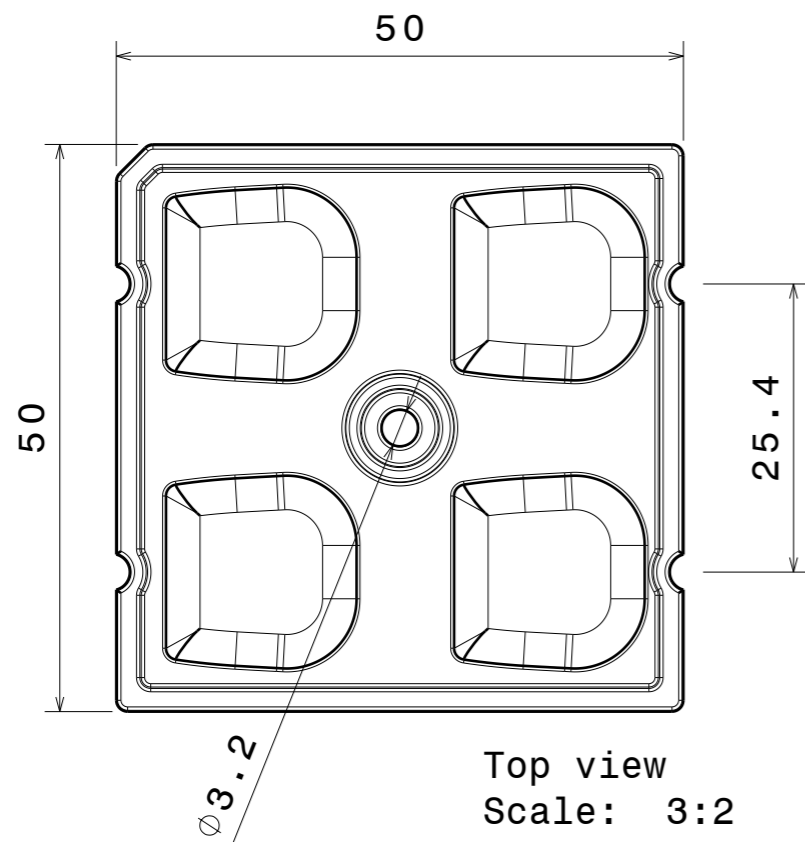
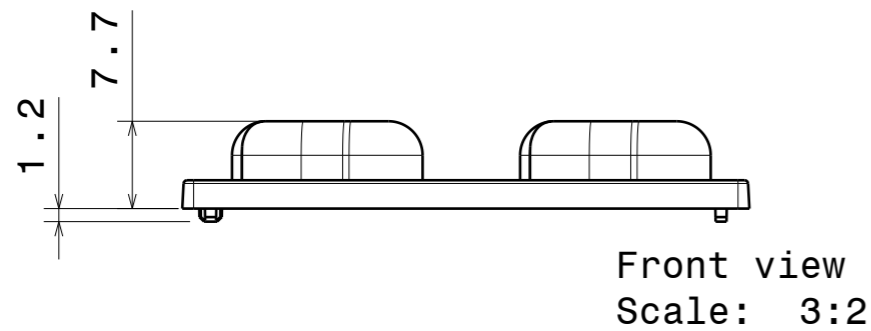
# PRODUCT DATASHEET

## Strada series

last update 12/5/2017

### OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
LH351B	Asymmetric deg	Asymmetric	sim: 94 %	0.600	-
LH351D	sim: asym	Asymmetric	sim: 91 %	sim: 0.480	-
Z8Y22P	Asymmetric deg	Asymmetric	94 %	0.630	-
TL1L4	Asymmetric deg	Asymmetric	91 %	0.590	-
RLE G1 49x223mm 4000lm xxx EXC OT	Asymmetric deg	Asymmetric	94 %	0.600	-
RLE G1 49x245mm 4000lm xxx EXC OT	Asymmetric deg	Asymmetric	94 %	0.600	-
RLE G1 49x121mm 2000lm xxx EXC OT	Asymmetric deg	Asymmetric	94 %	0.600	-
RLE G1 49x133mm 2000lm xxx EXC OT	Asymmetric deg	Asymmetric	94 %	0.600	-



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C13805	STRADA-2X2-T4	PMMA	

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 Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

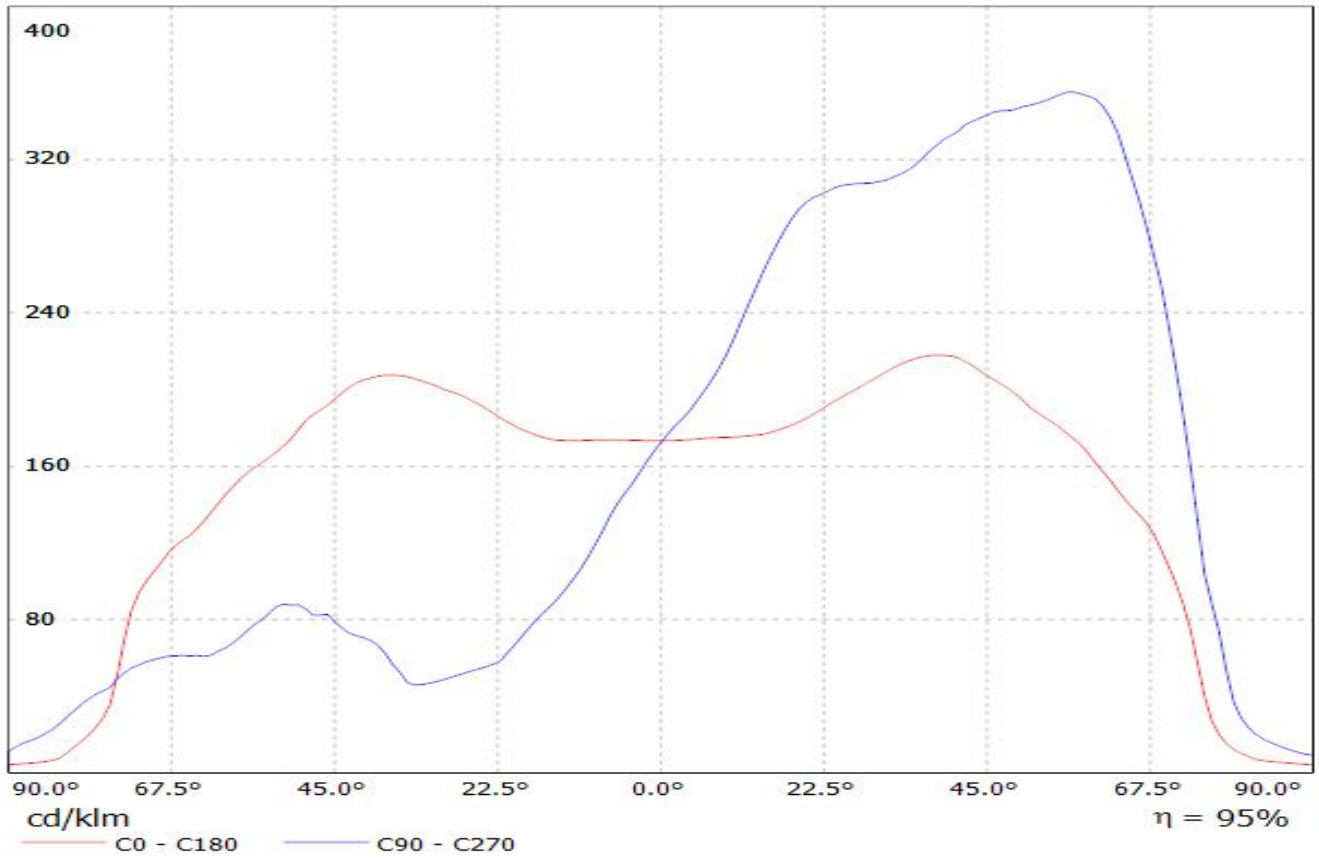
DRAWING TITLE  
**C13805\_STRADA-2X2-T4**

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
<b>A3</b>	<b>C13805</b>

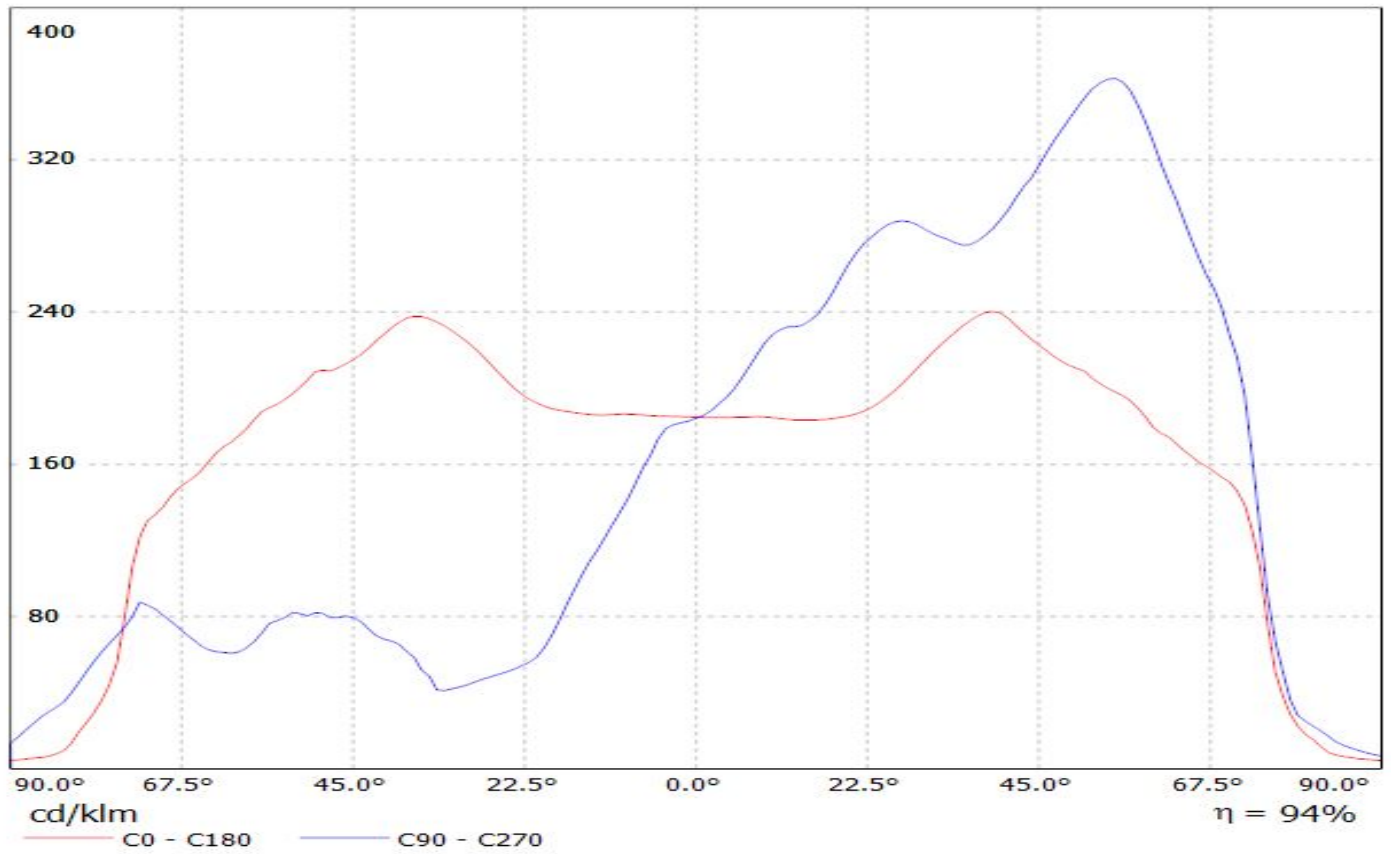
SCALE	3:2	WEIGHT	-	SHEET	1/1
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Luminaire: LEDiL Oy C13805\_STRADA-2X-T4 (XM-L)\_4 Eff.94.8%  
Lamps: 1 x CREE\_XM-L\_2x2\_354.749lm@250mA\_P=2.82762W\_I=249.9mA



# LEDiL Oy C13805\_STRADA-2X2-T4\_(XP-G) Eff.94.0% / LDC (Linear)

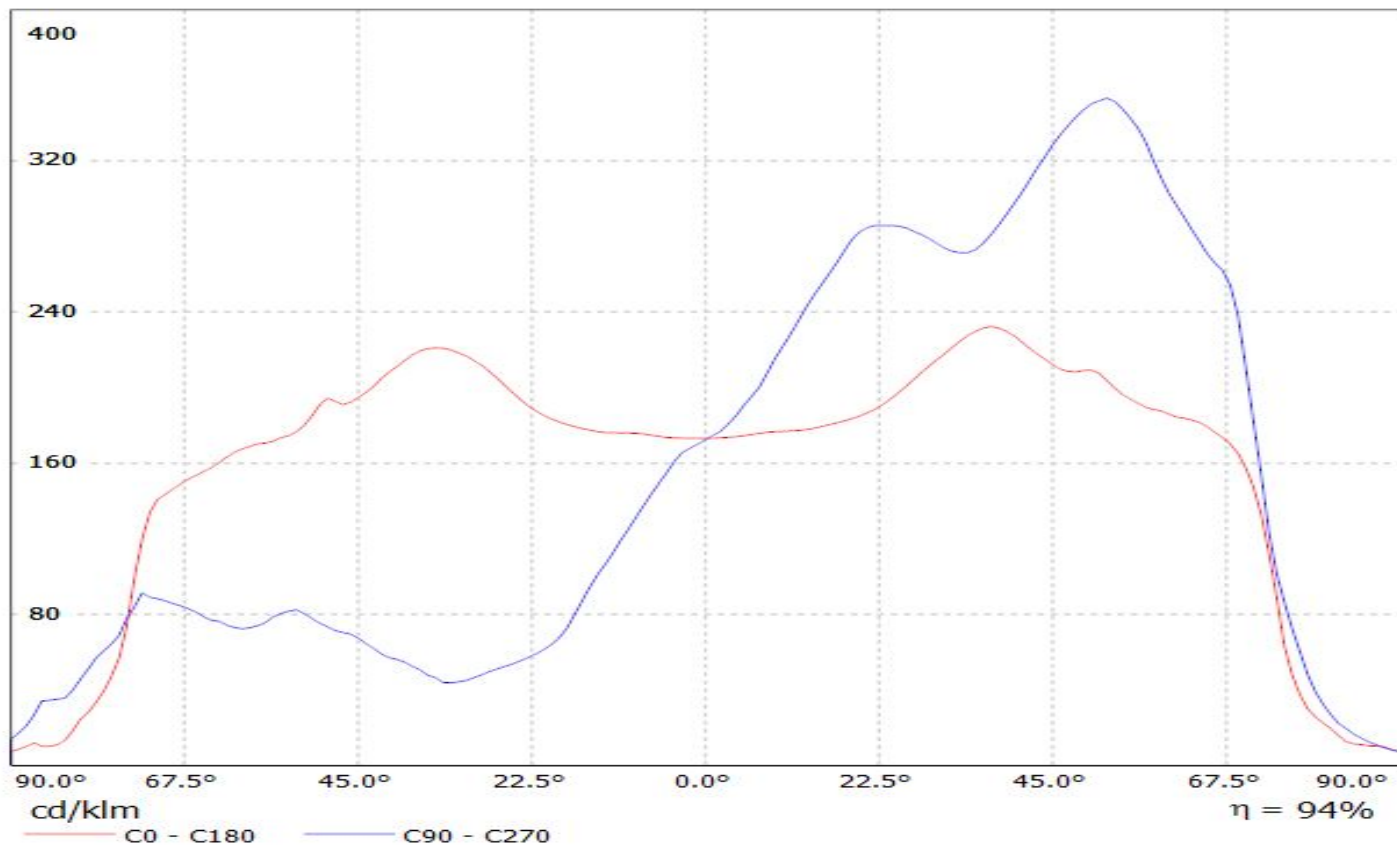
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(XP-G) Eff.94.0%  
Lamps: 1 x CREE\_XP-G\_2x2\_254.292lm@250mA\_P=2.89709W\_I=249.9mA



# LEDiL Oy C13805\_STRADA-2X2-T4\_(XT-E) Eff.94.0% / LDC (Linear)

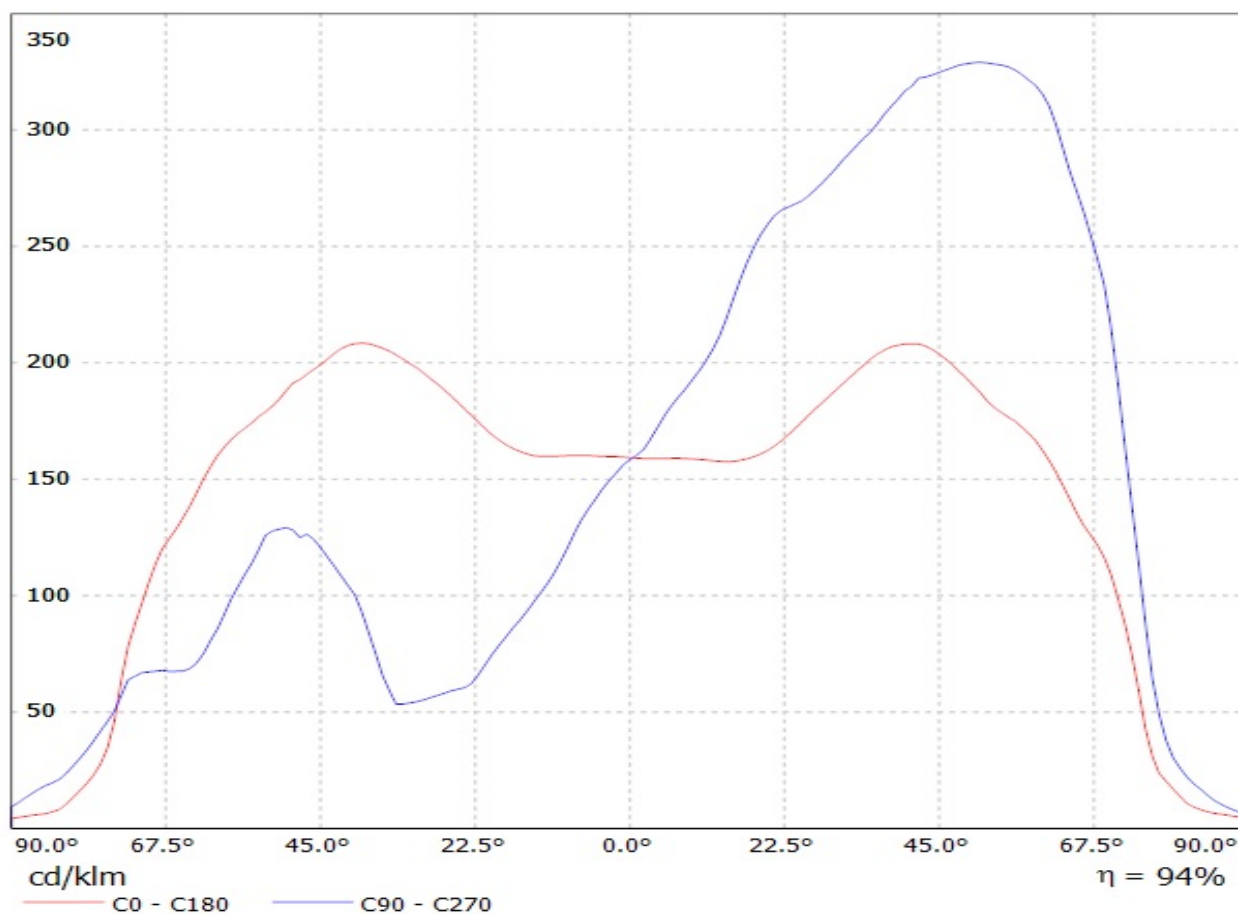
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(XT-E) Eff.94.0%

Lamps: 1 x CREE\_XT-E\_2x2\_381.369lm@250mA\_CCT=5717K\_P=2.9868W\_I=249.9mA

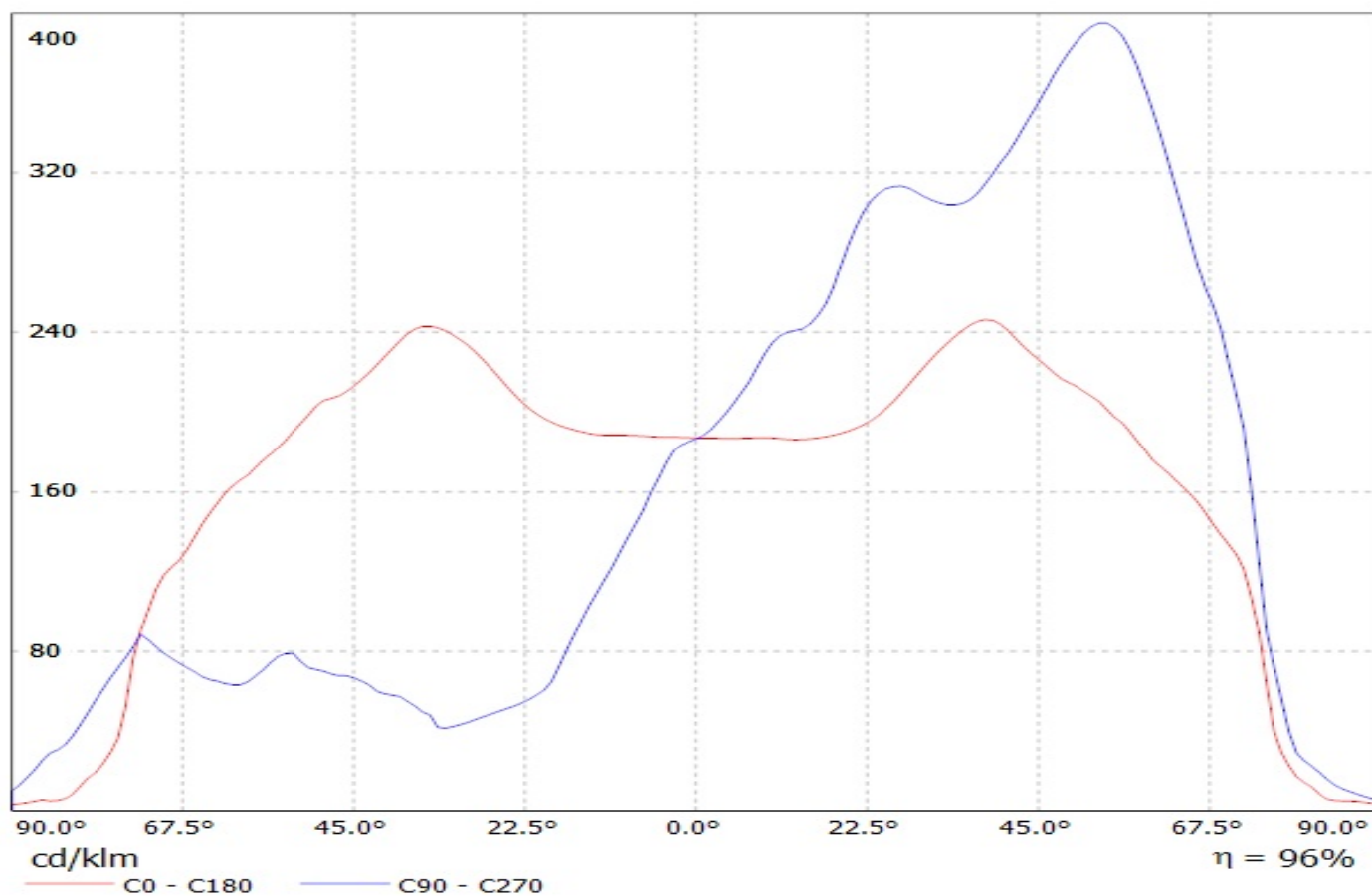


Luminaire: LEDiL Oy C13805\_STRADA-2x2-T4\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_515lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA

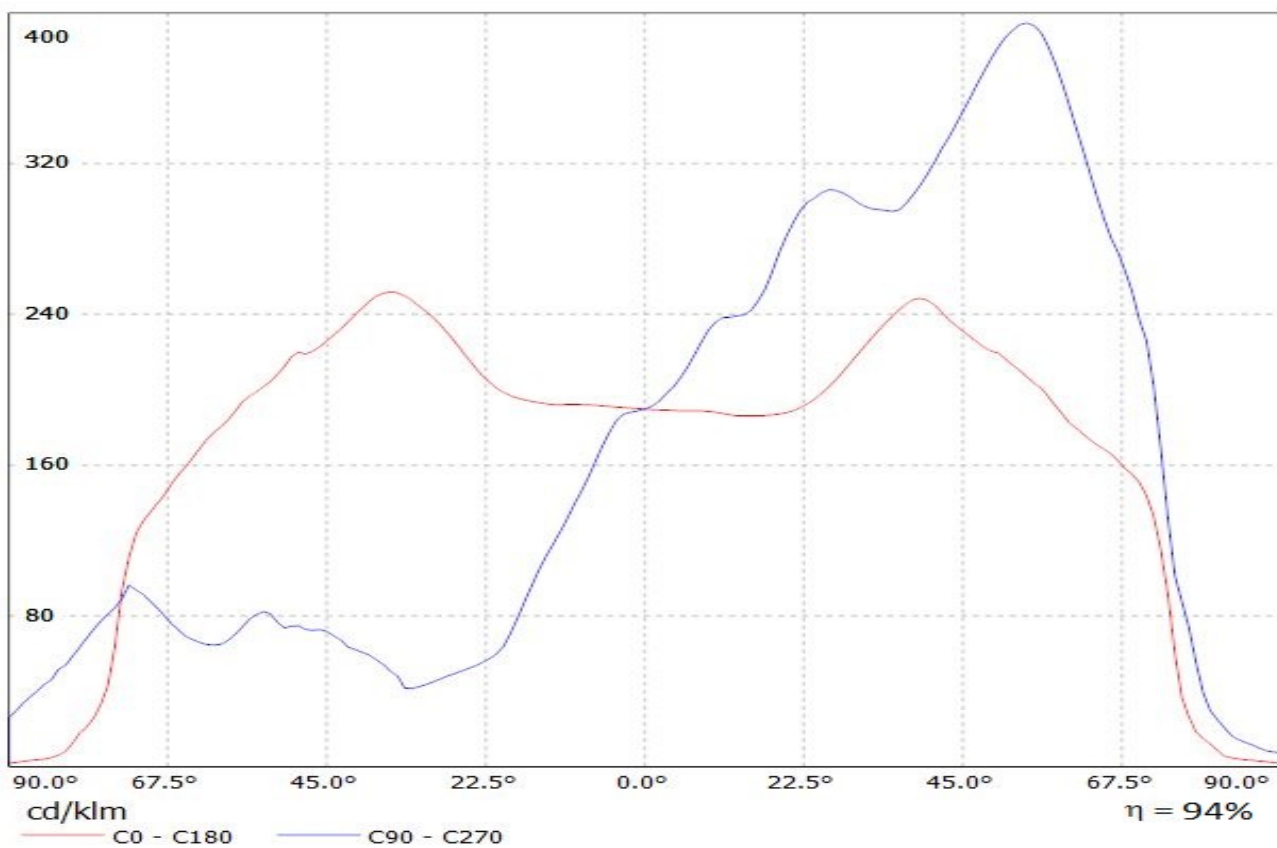


Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(XP-L\_HI)  
Lamps: 1 x Cree\_XP-L\_HI\_(2x2)\_(XPLAWT-H-5A3-U60-013-0001)  
\_455.077lm@250mA\_P=2.84011W\_I=0.2499A



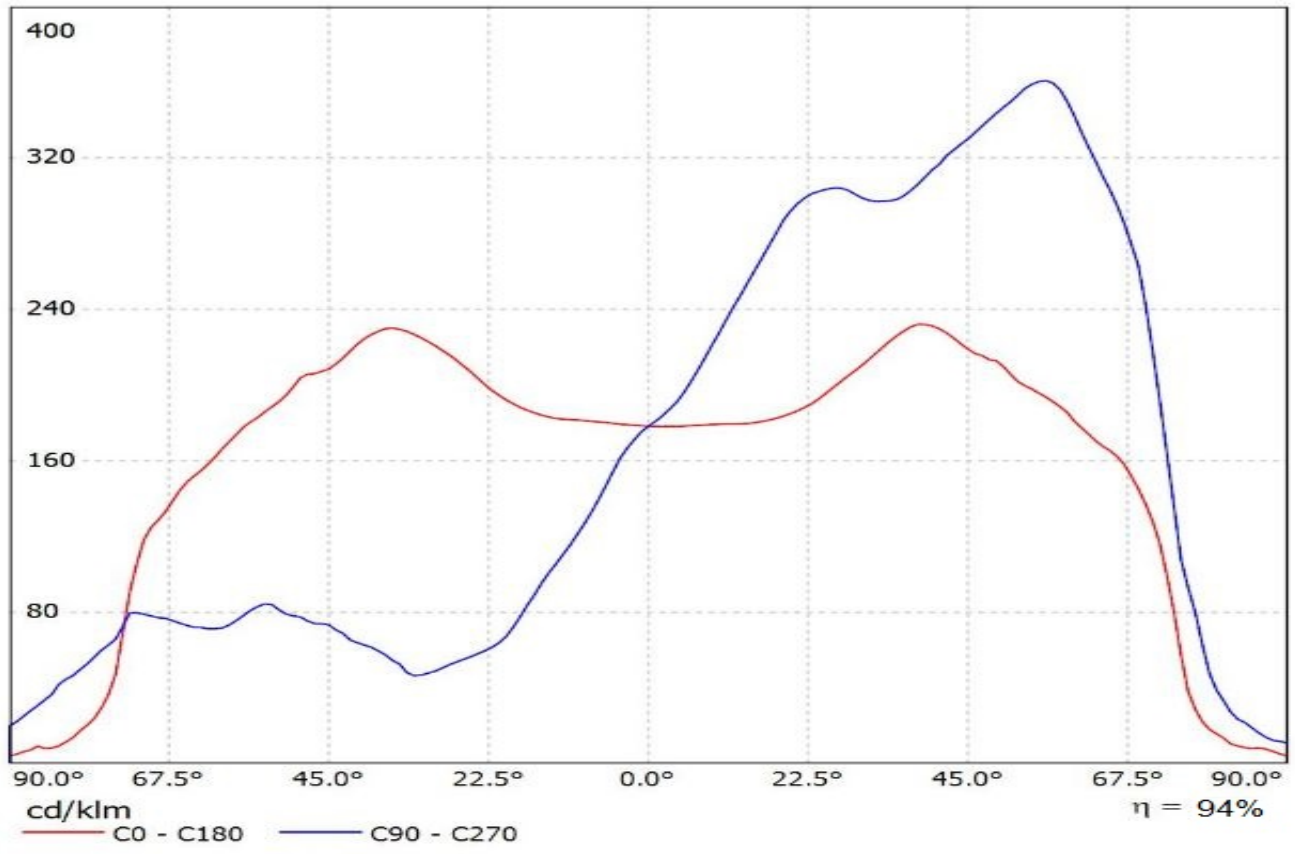
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(XP-G2)

Lamps: 1 x Cree\_XP-G2\_(XPGBWT-L1-000-00-G51)\_409.462lm@250mA\_P=2.94407\_I=0.250A



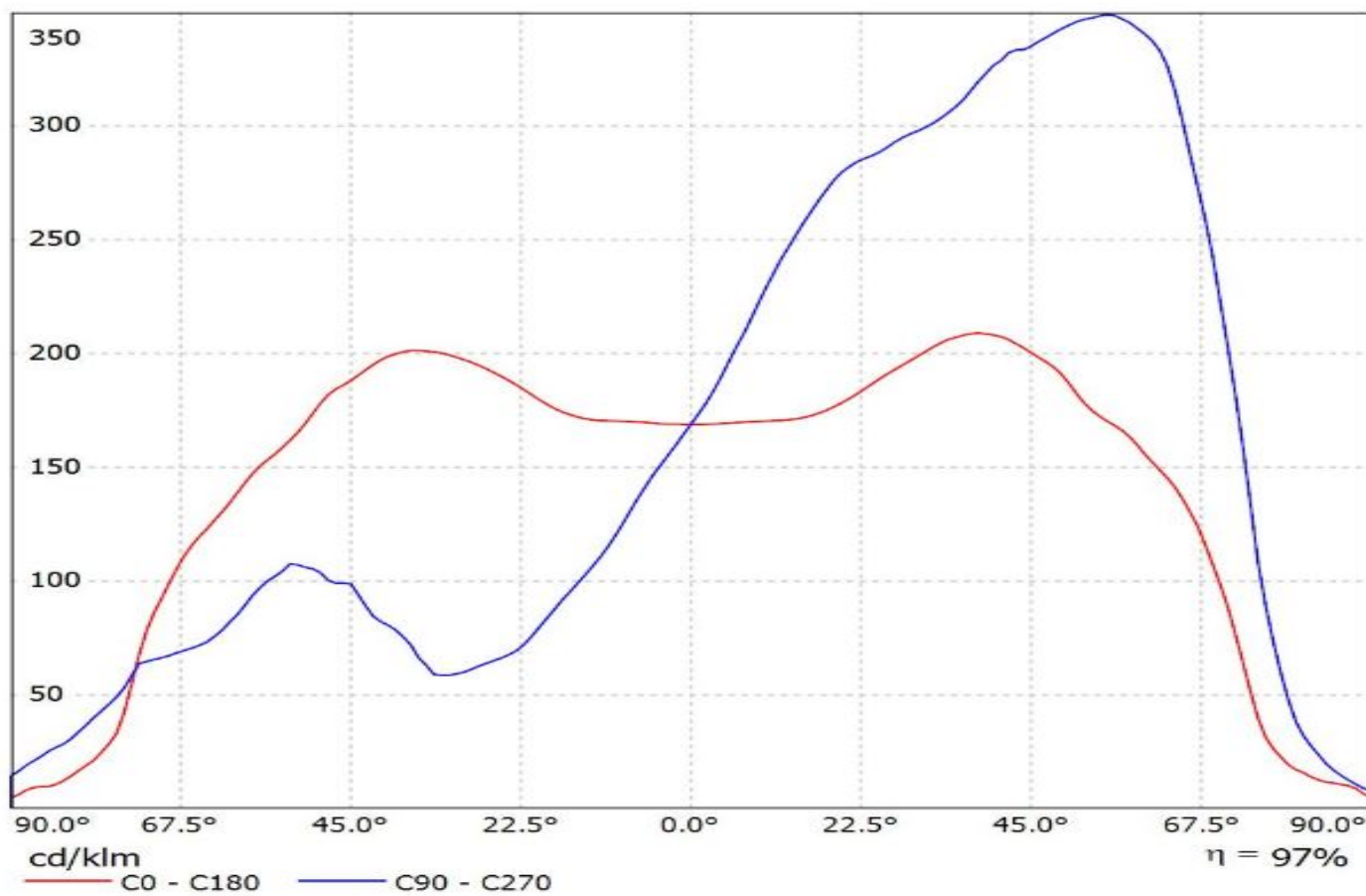
Luminaire: Ledil C13805\_STRADA-2X2-T4\_(XP-G3)

Lamps: 1 x Cree\_XP-G3\_2x2\_(XPGDWT-B1-3C0-S4-0-01)\_516.212lm@250mA\_P=2.78875W\_I=0.250A

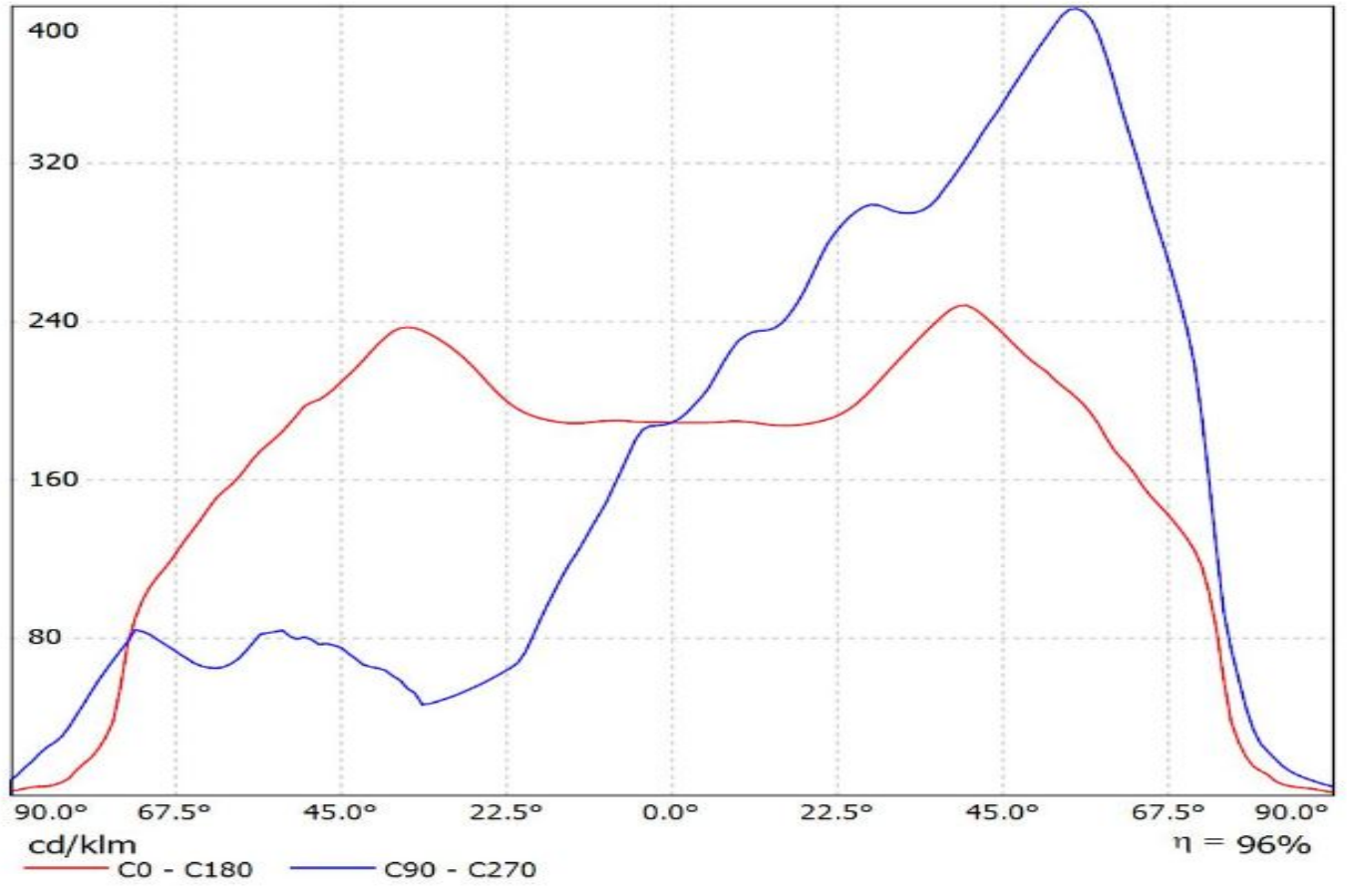


Luminaire: Ledil C13805\_STRADA-2X2-T4\_(XP-L2)

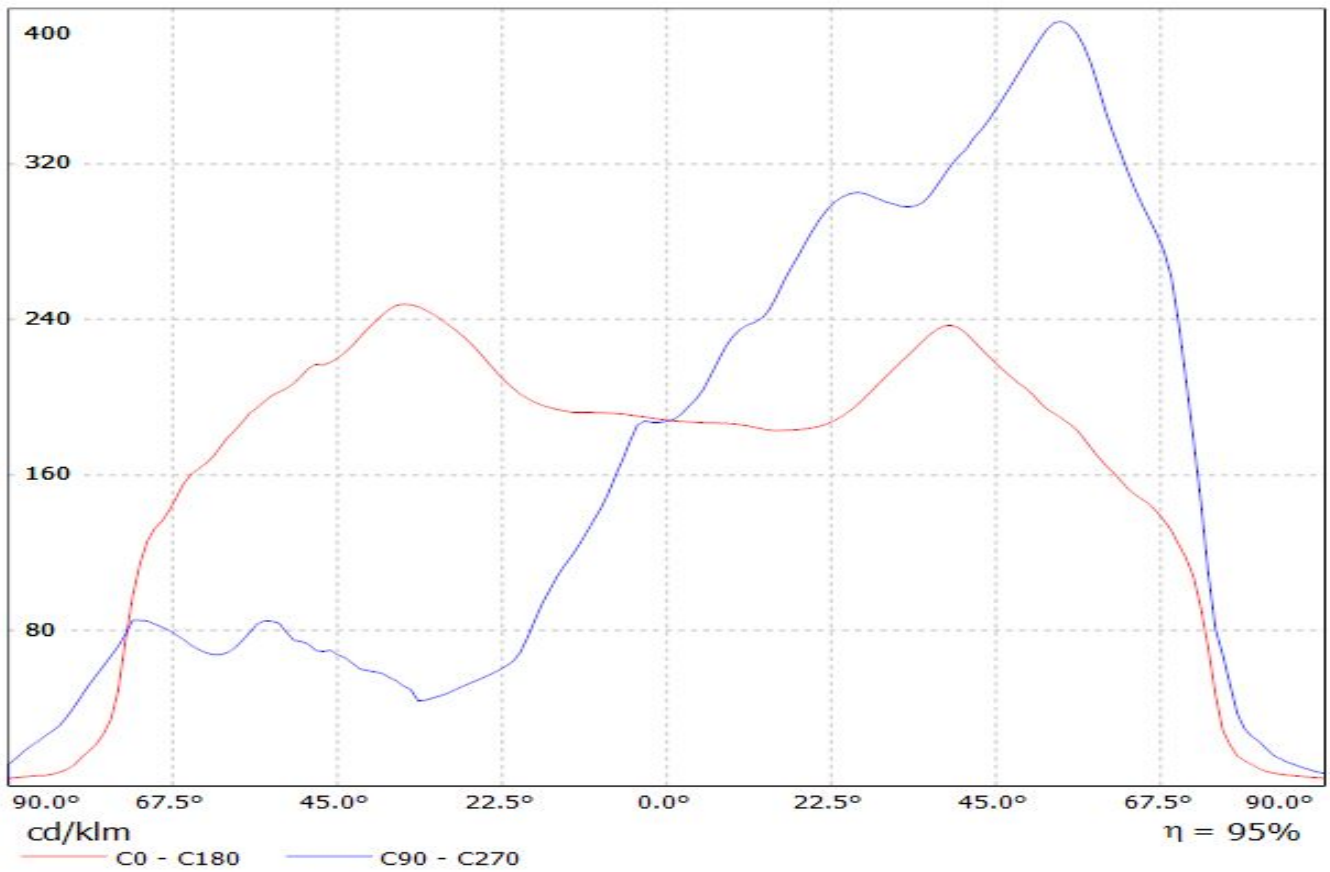
Lamps: 1 x Cree\_XP-L2\_2x2\_(XPLBWT-00-0000-000BV50E3)550.93lm@250mA\_P=2.7815W\_I=0.25A



Luminaire: Ledil C13805\_STRADA-2X2-T4\_(H35C1)  
Lamps: 1 x LG\_H35C1\_2x2\_477.216lm@250mA\_P=2.87475W\_I=0.250A

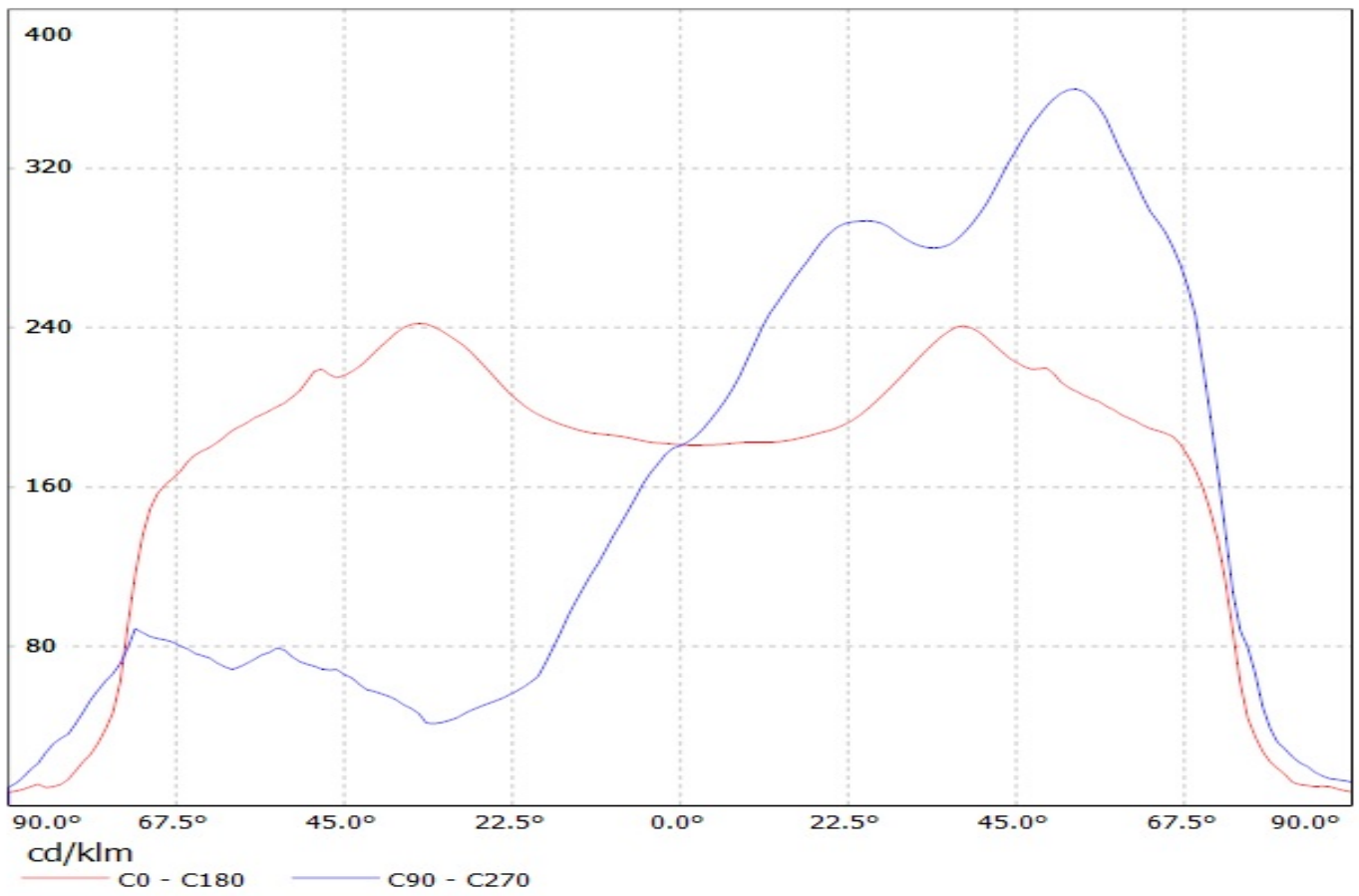


Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(LUXEON\_T) Eff. 95%  
Lamps: 1 x LUXEON\_T\_2x2\_(LXH8-FW30-3)\_293lm@250mA\_CCT=3173K\_P=2.79801W\_I=249.8mA



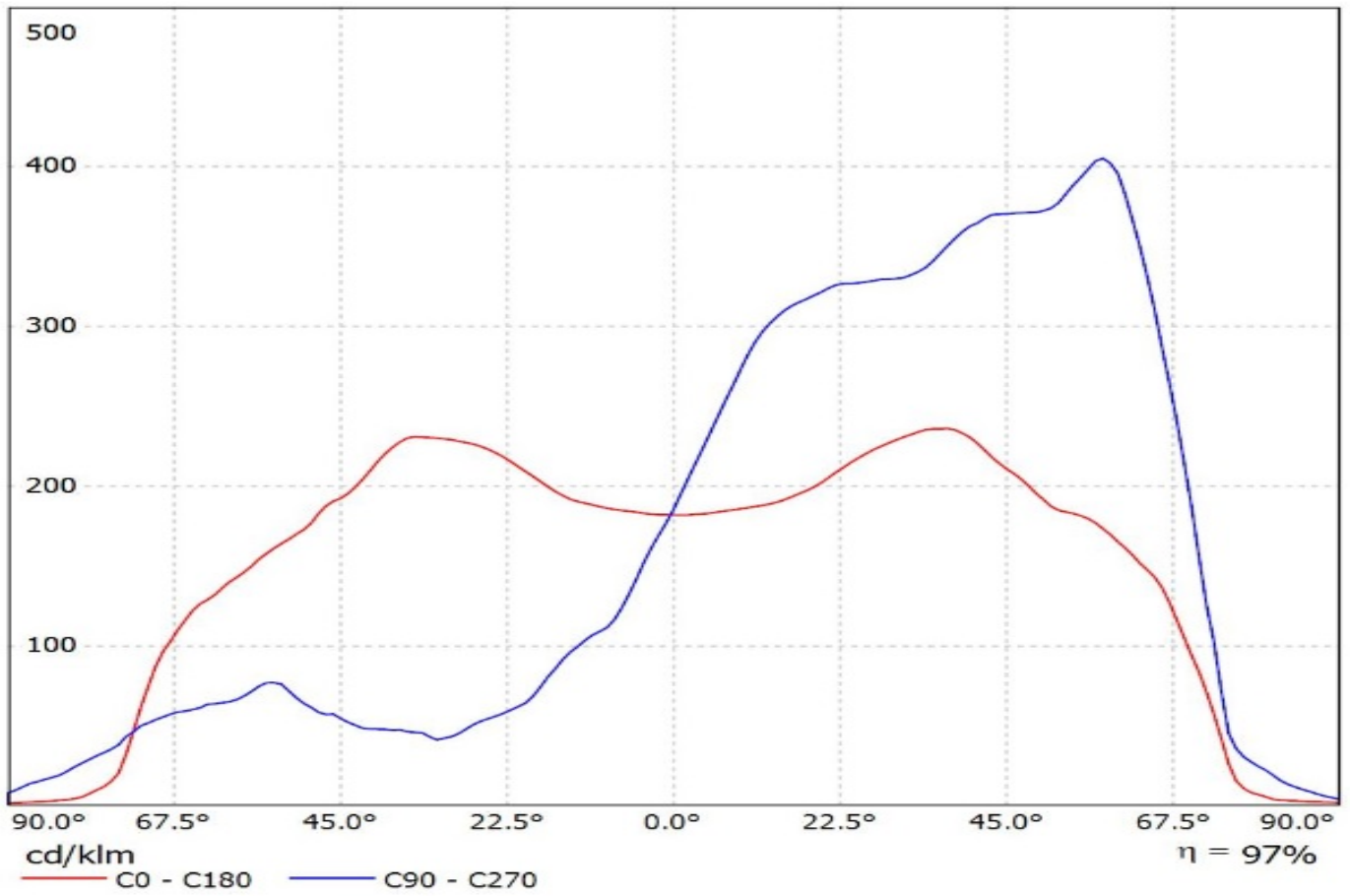
Luminaire: LEDiL Oy C13805\_STRADA-2x2-T4\_(LUXEON\_Q)

Lamps: 1 x LUXEON\_Q\_2x2\_(LHQ-3080)\_299.038lm@250mA\_P=2.8742W\_I=249.8mA

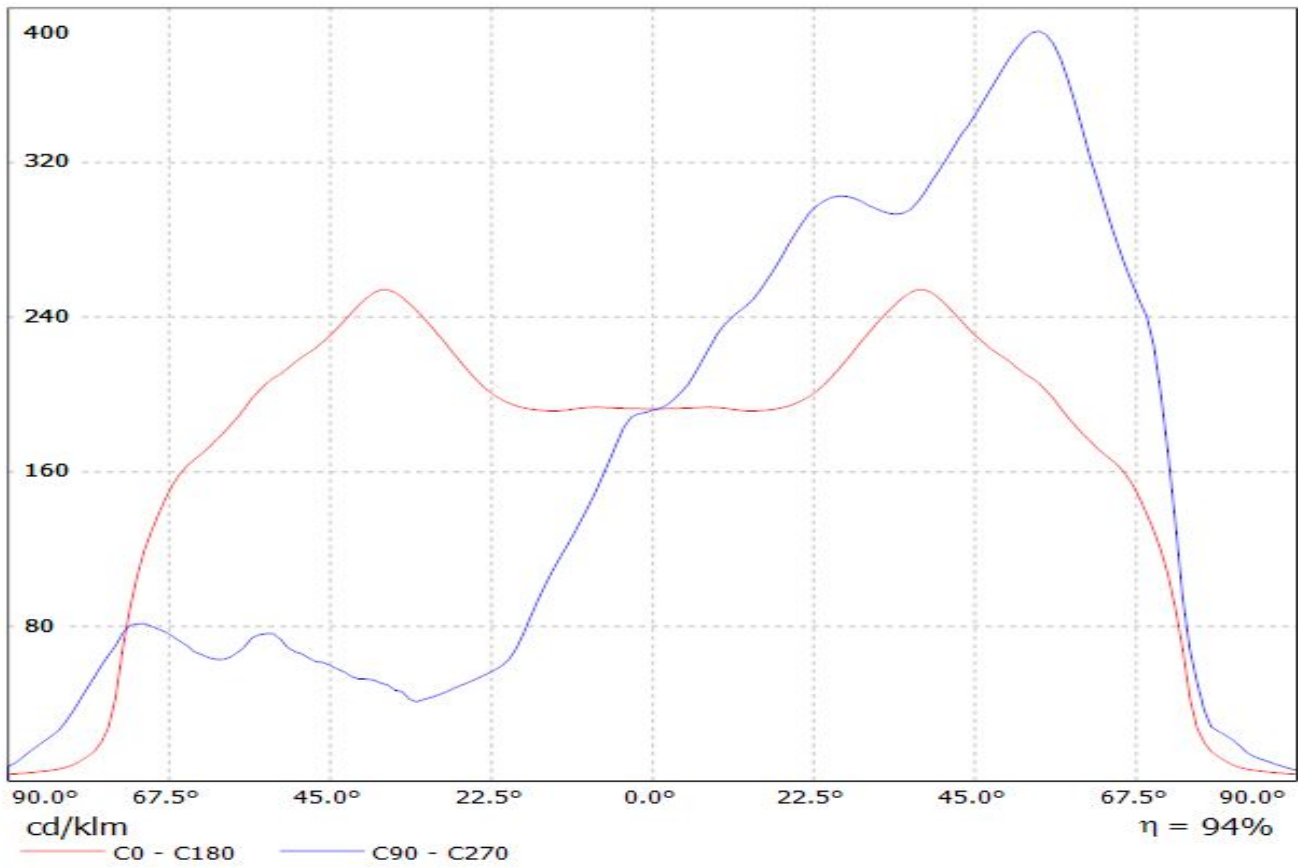


Luminaire: Ledil C13805\_STRADA-2X2-T4\_(Luxeon\_MZ)

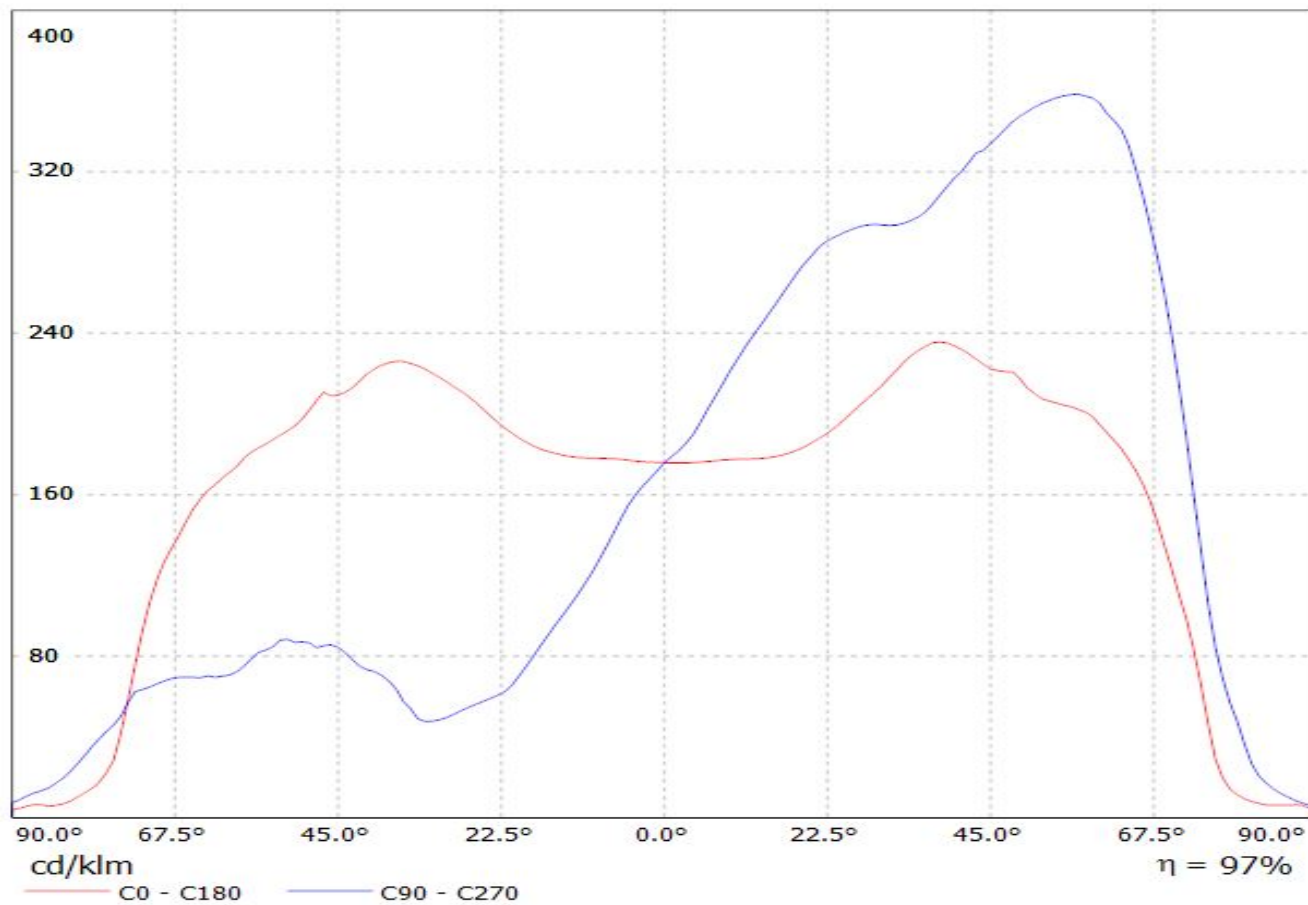
Lamps: 1 x Philips\_Lumileds\_Luxeon\_MZ\_(LMZ7-QW57)\_(2x2)\_427.268lm@250mA\_P=2.734W\_I=0.2500A



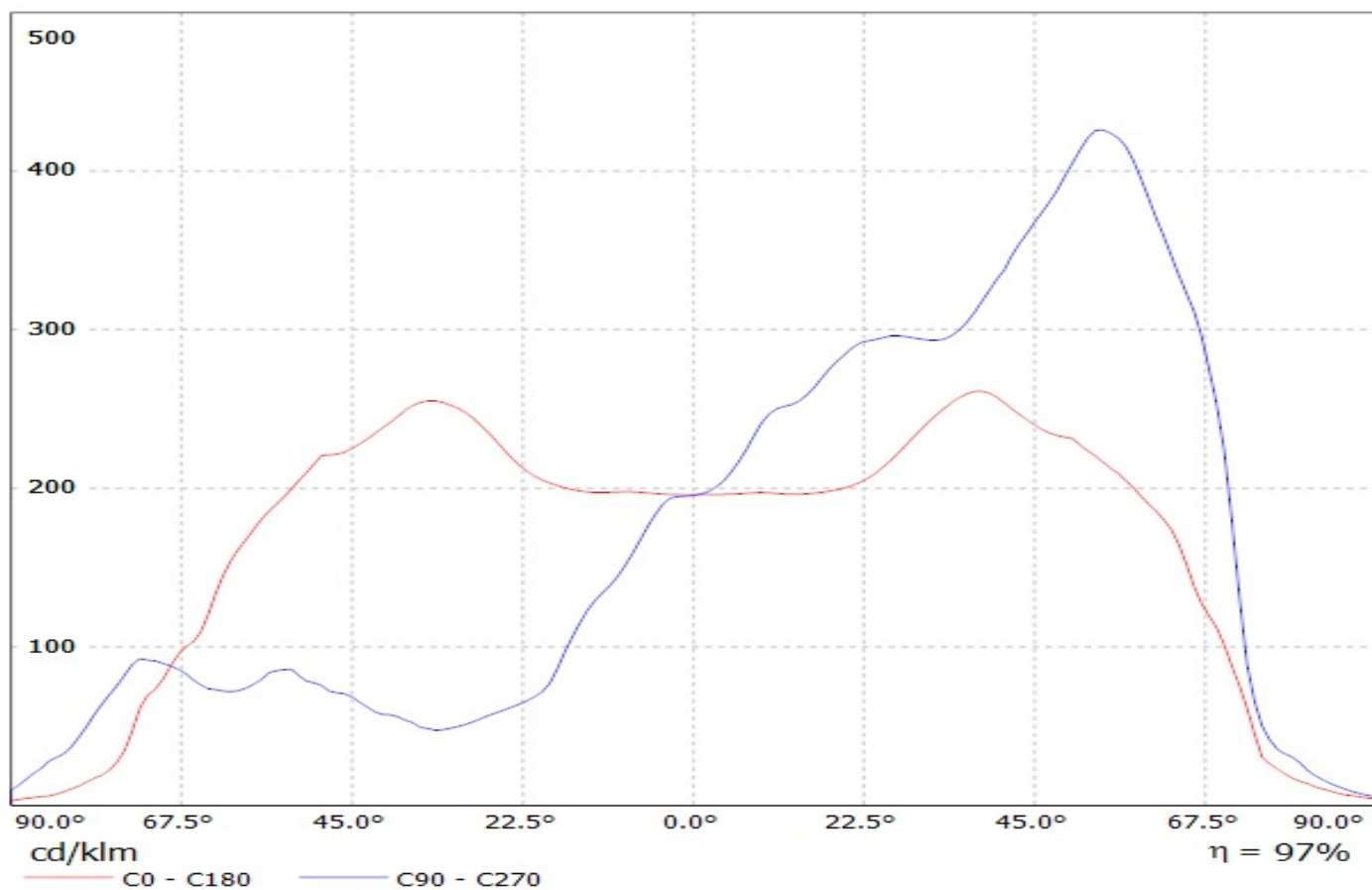
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(Luxeon\_TX)  
Lamps: 1 x Luxeon\_TX\_2x2\_321.384lm@250mA\_P=2.79488W\_I=249.9mA



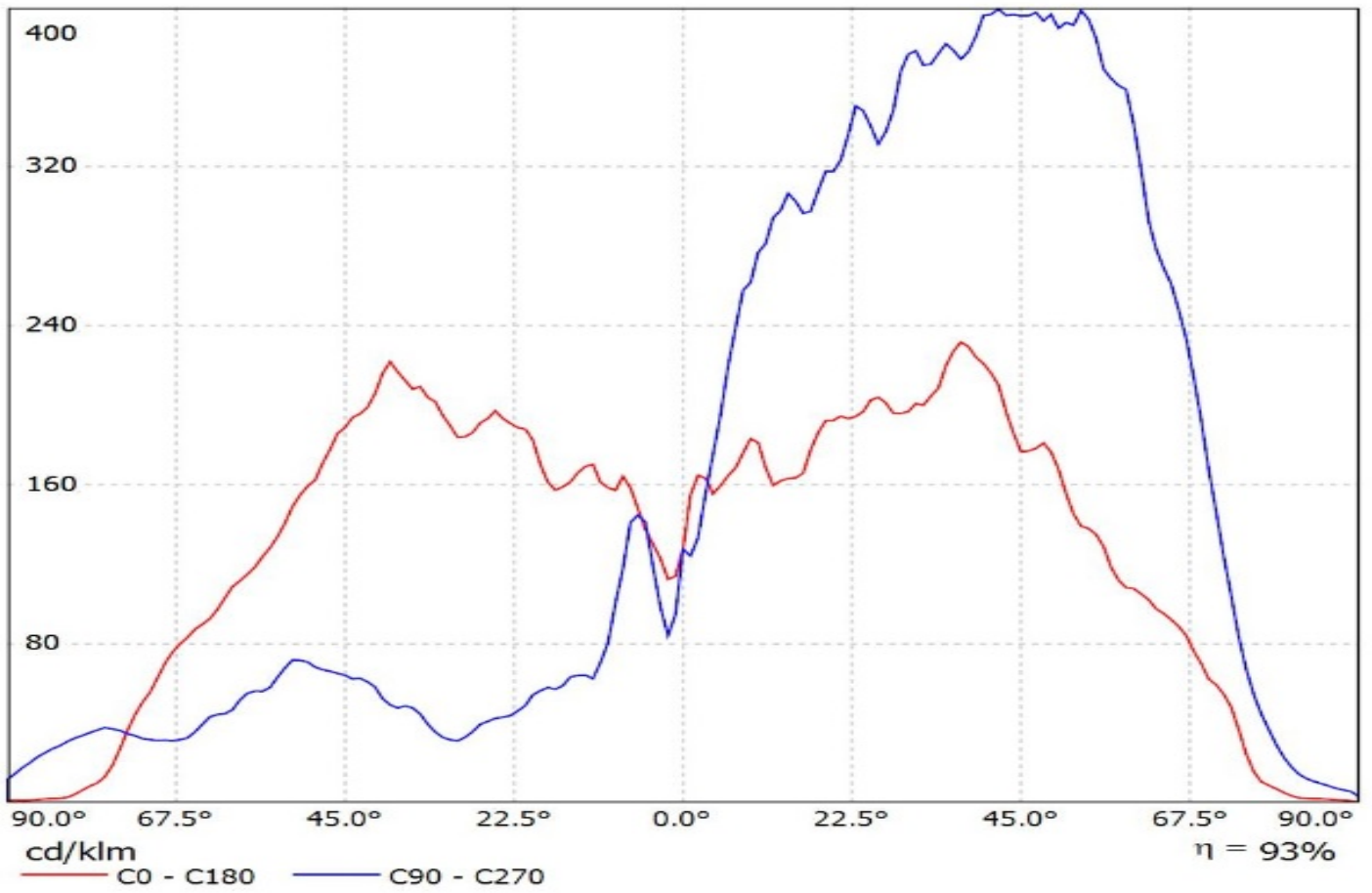
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(NVSW319AE)  
Lamps: 1 x Nichia\_NVSW319AE\_499.093lm@250mA\_P=2.79052W\_I=0.25A



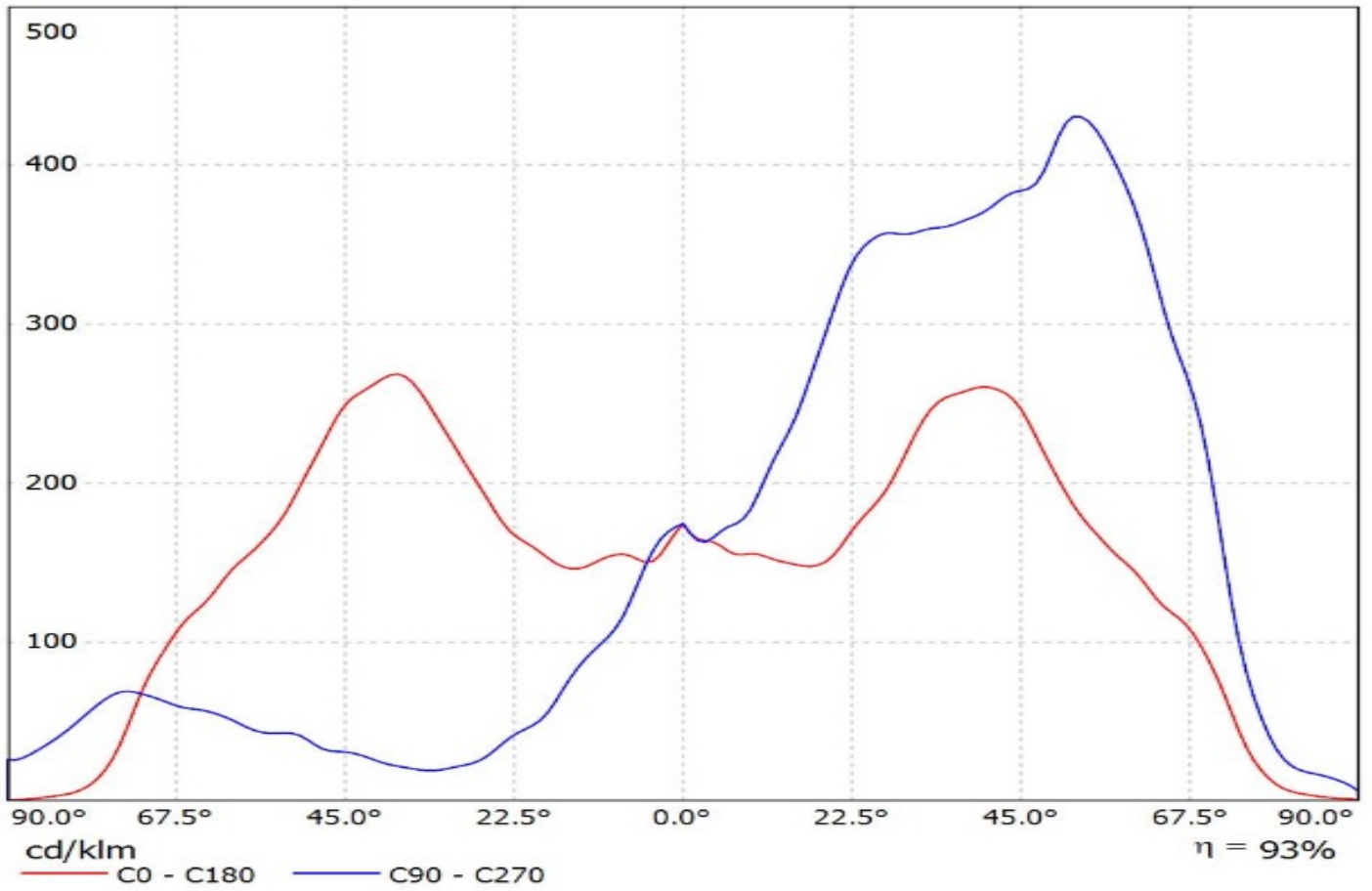
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(Oslon\_Square\_PC\_2x2)  
Lamps: 1 x Osram\_Oslon\_Square\_PC\_2x2\_(GWCSSRM1.PC)  
\_411.322lm@250mA\_P=2.85186W\_I=0,2499A



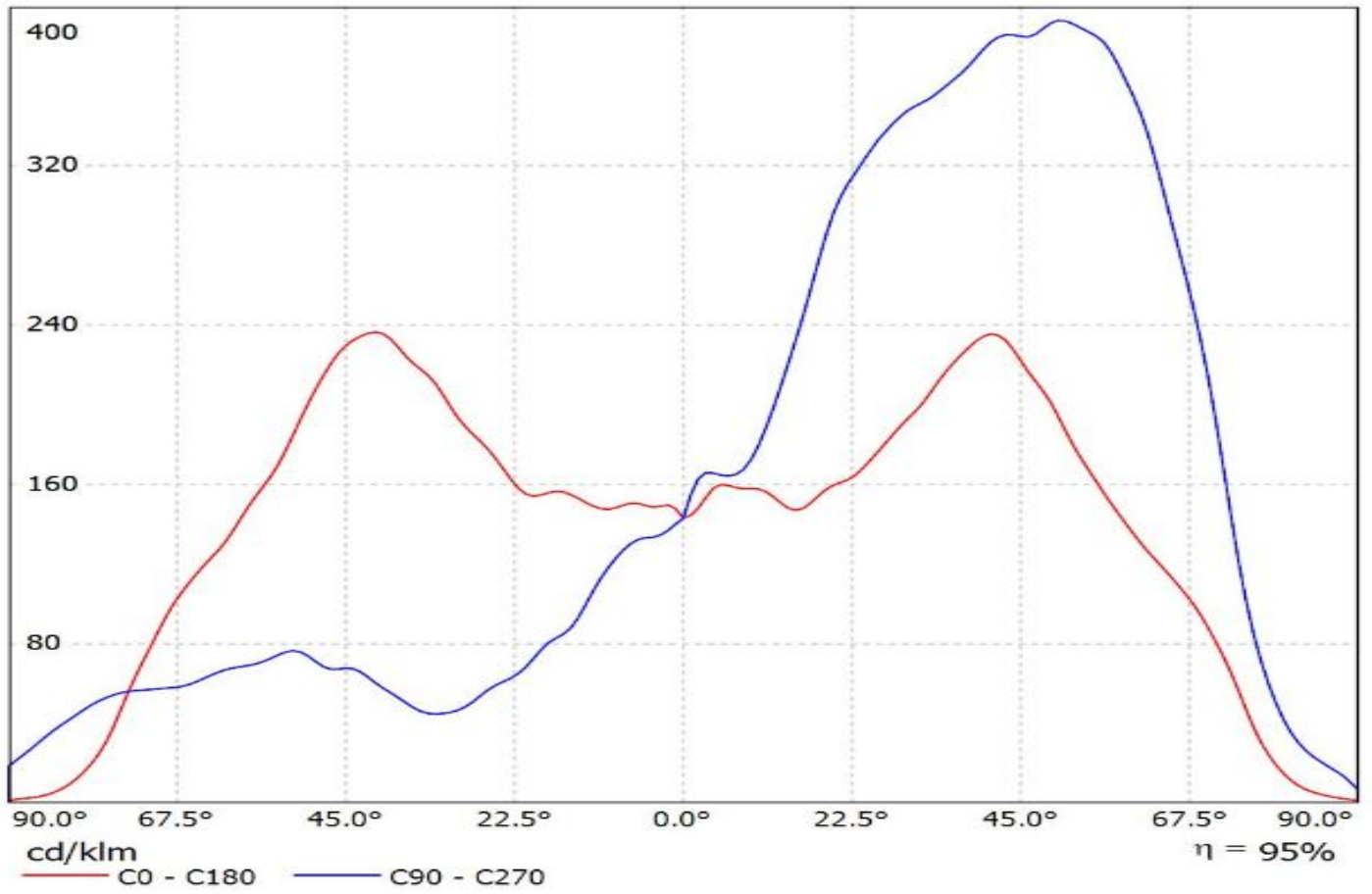
Luminaire: Ledil Oy C13805STRADA-2X2-T4\_(Duris\_S8\_Gen2)\_SIMULATED  
Lamps: 1 x OSRAM\_DURIS S8 GEN2 5050 package



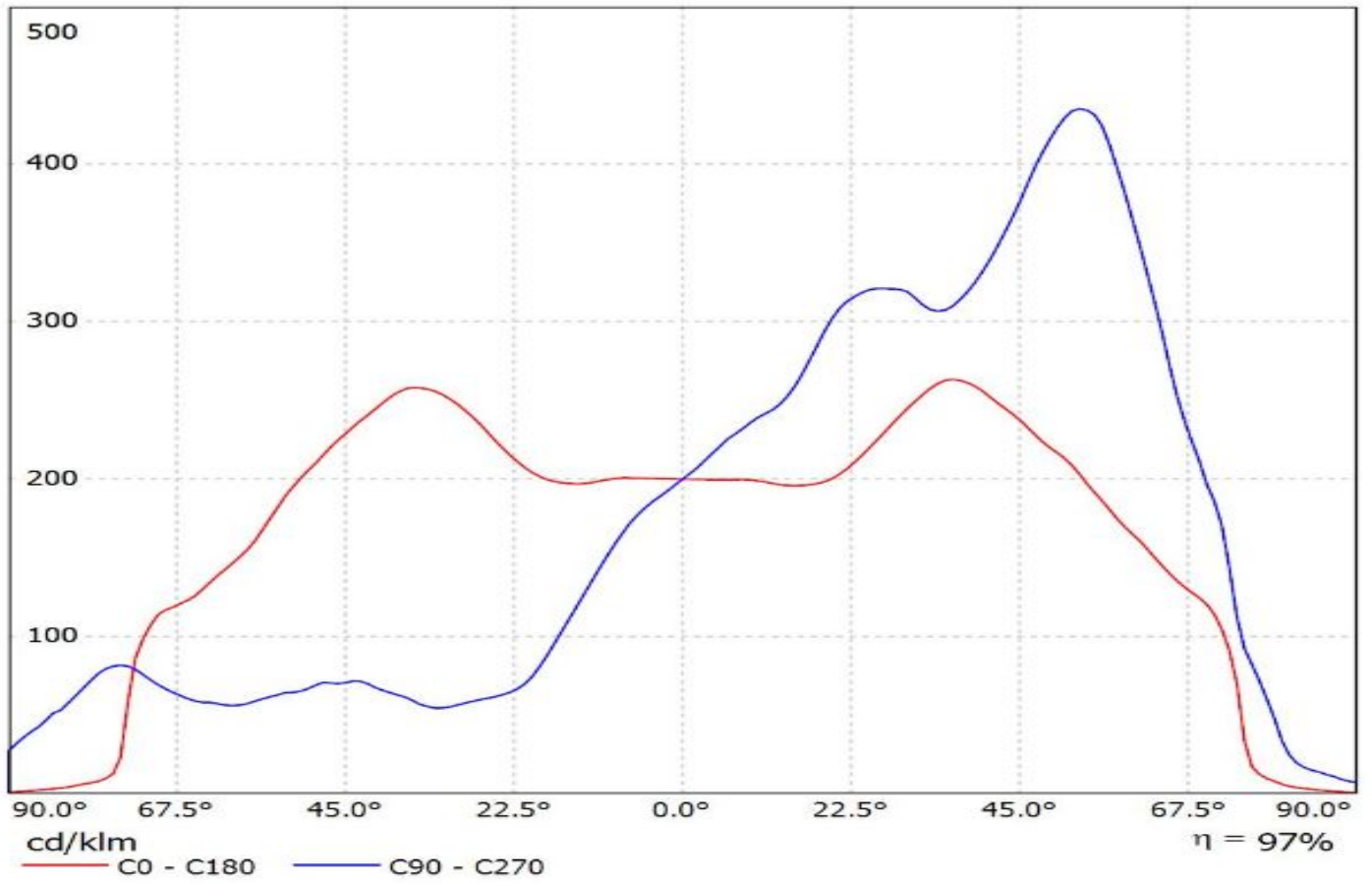
Luminaire: Ledil Oy C13805\_STRADA-2X2-T4\_(Duris\_P8)\_SIMULATED  
Lamps: 1 x Osram Duris P8



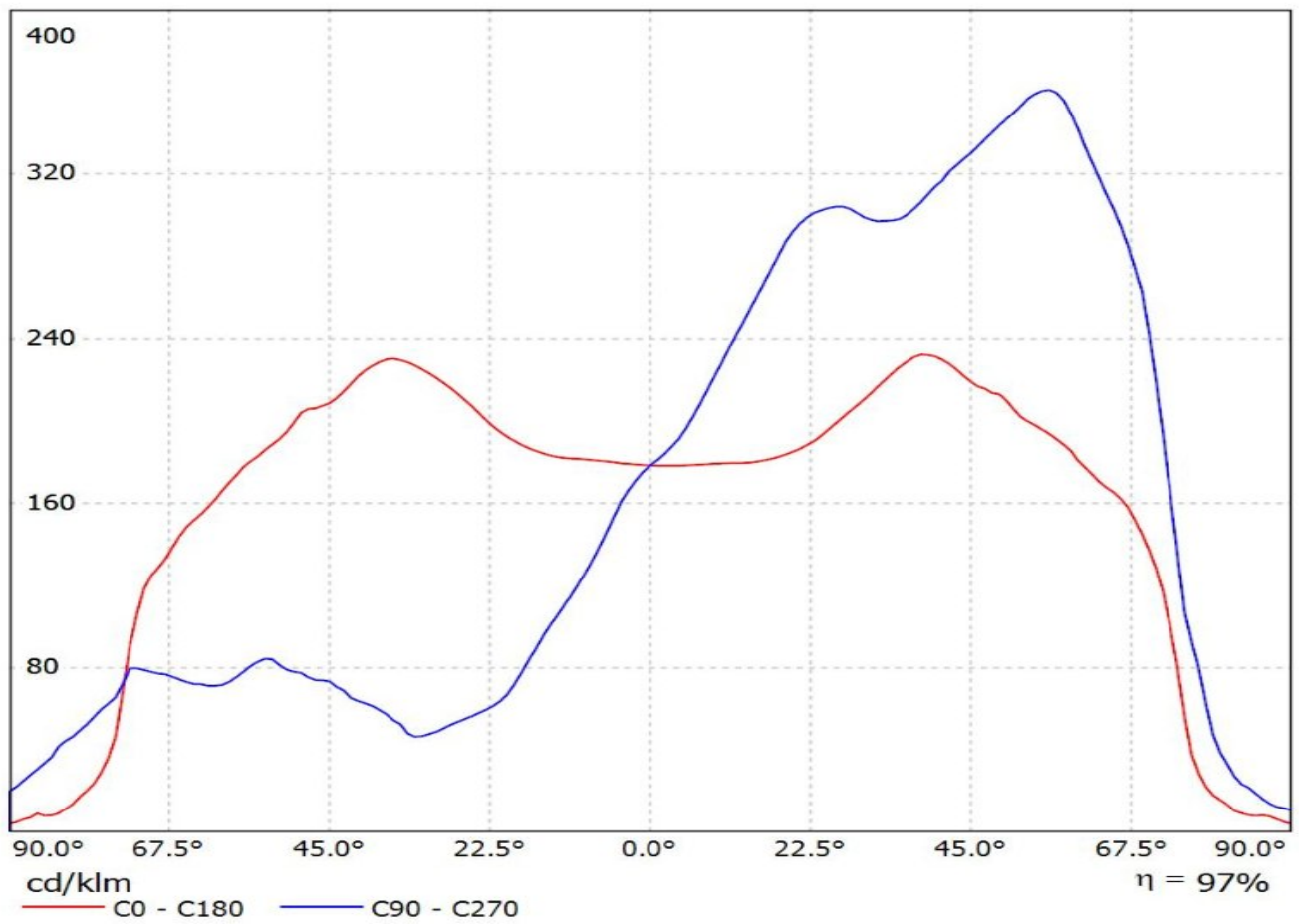
Luminaire: Ledil Oy C13805\_STRADA-2X2-T4\_OSRAM\_DURIS\_P9\_SIMULATED  
Lamps: 1 x OSRAM DURIS P9



Luminaire: Ledil C13805\_STRADA-2X2-T4 (Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3)  
Lamps: 1 x Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3\_1828.23lm@250mA\_P=11.667W\_η=0.25A

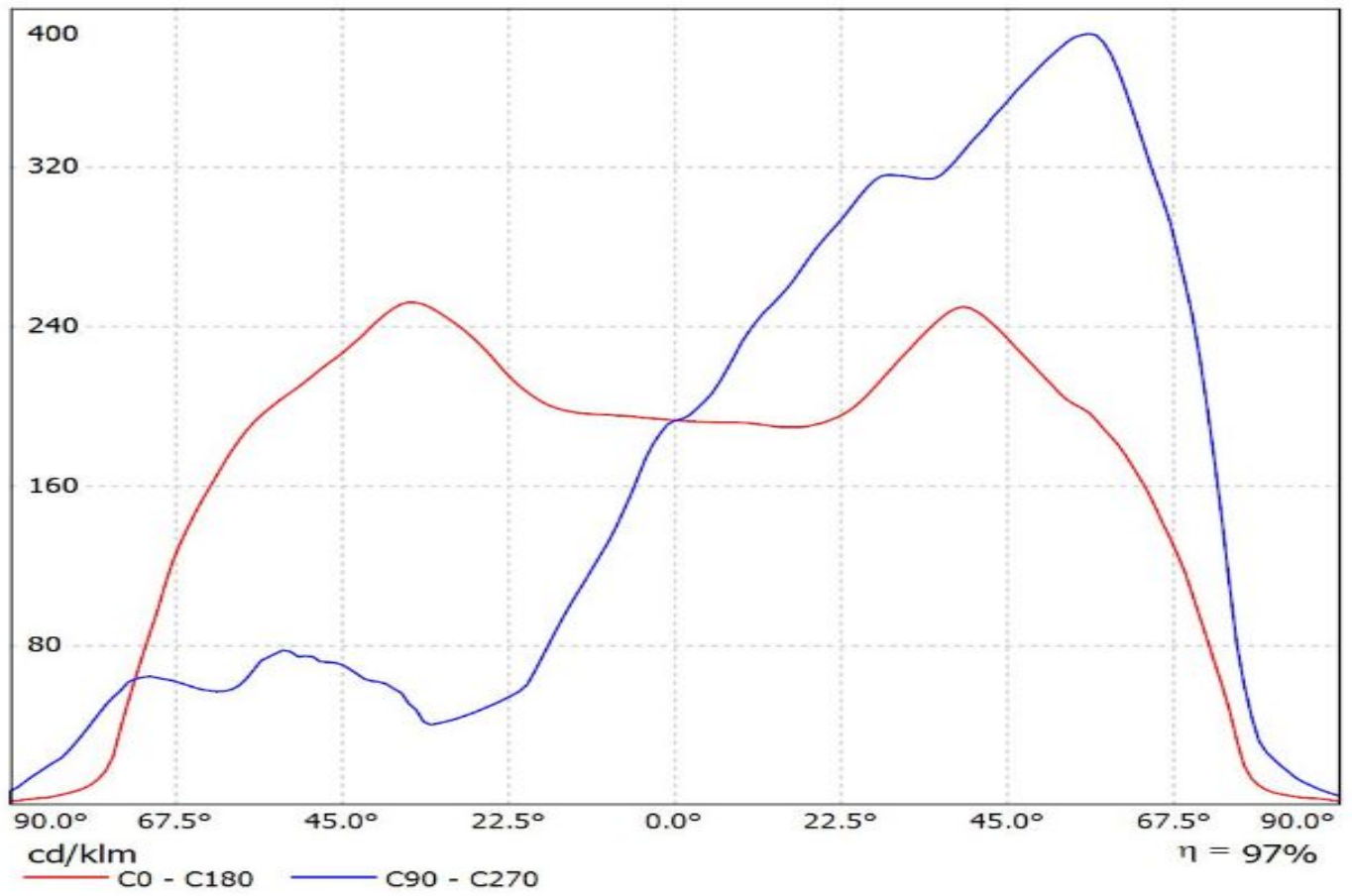


Luminaire: Ledil C13805\_STRADA-2X2-T4\_(Fortimo FastFlex LED board 2x8 DAX G4)  
Lamps: 1 x Fortimo FastFlex LED board 2x8 DAX G4



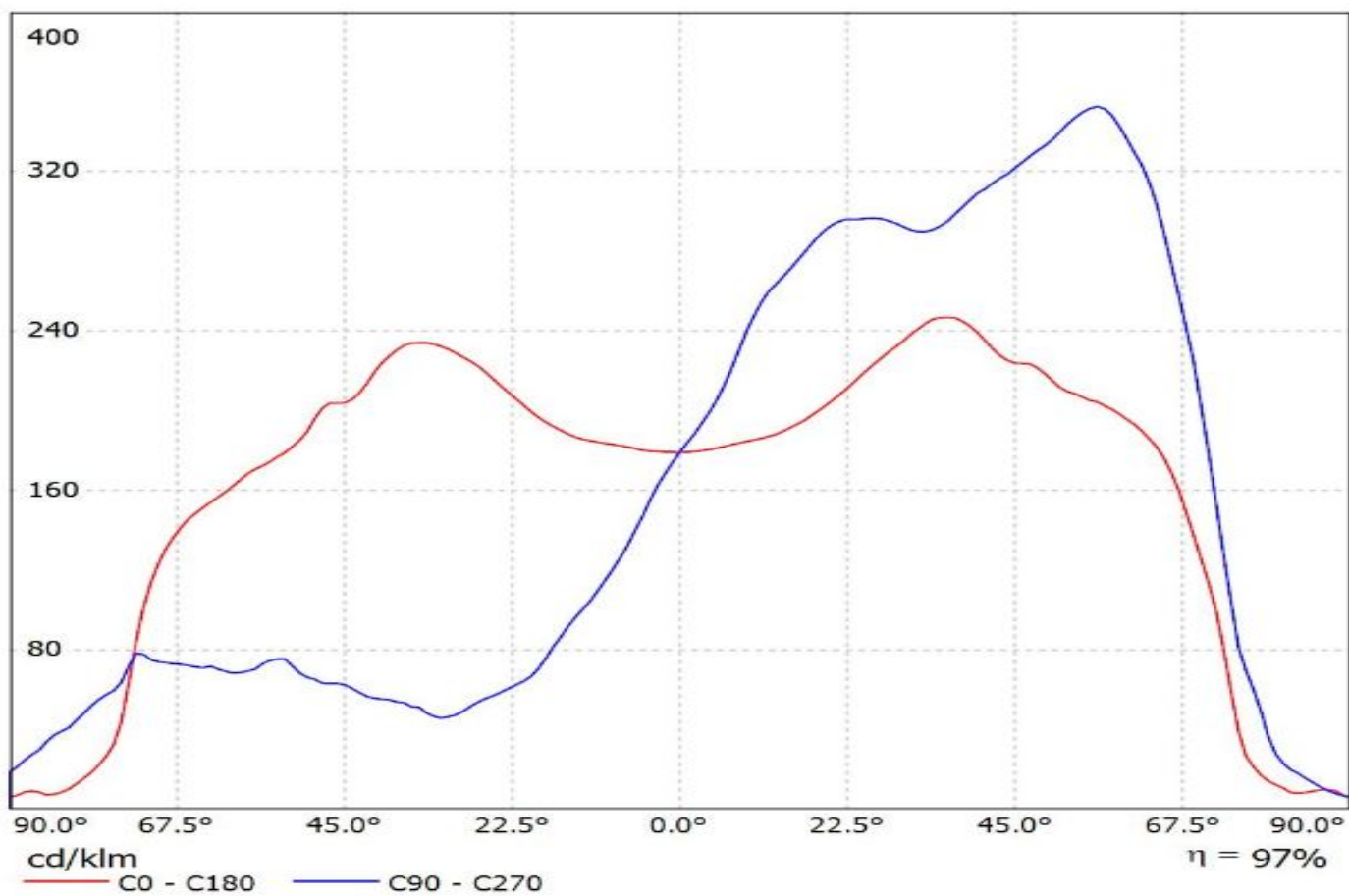
Luminaire: Ledil C13805\_STRADA-2X2-T4\_(LH351B)

Lamps: 1 x Samsung\_LH351B\_2x2\_444.178lm@250mA\_P=2.8535W\_I=0.25A



Luminaire: Ledil C13805\_STRADA-2X2-T4\_(Z8Y22plus)

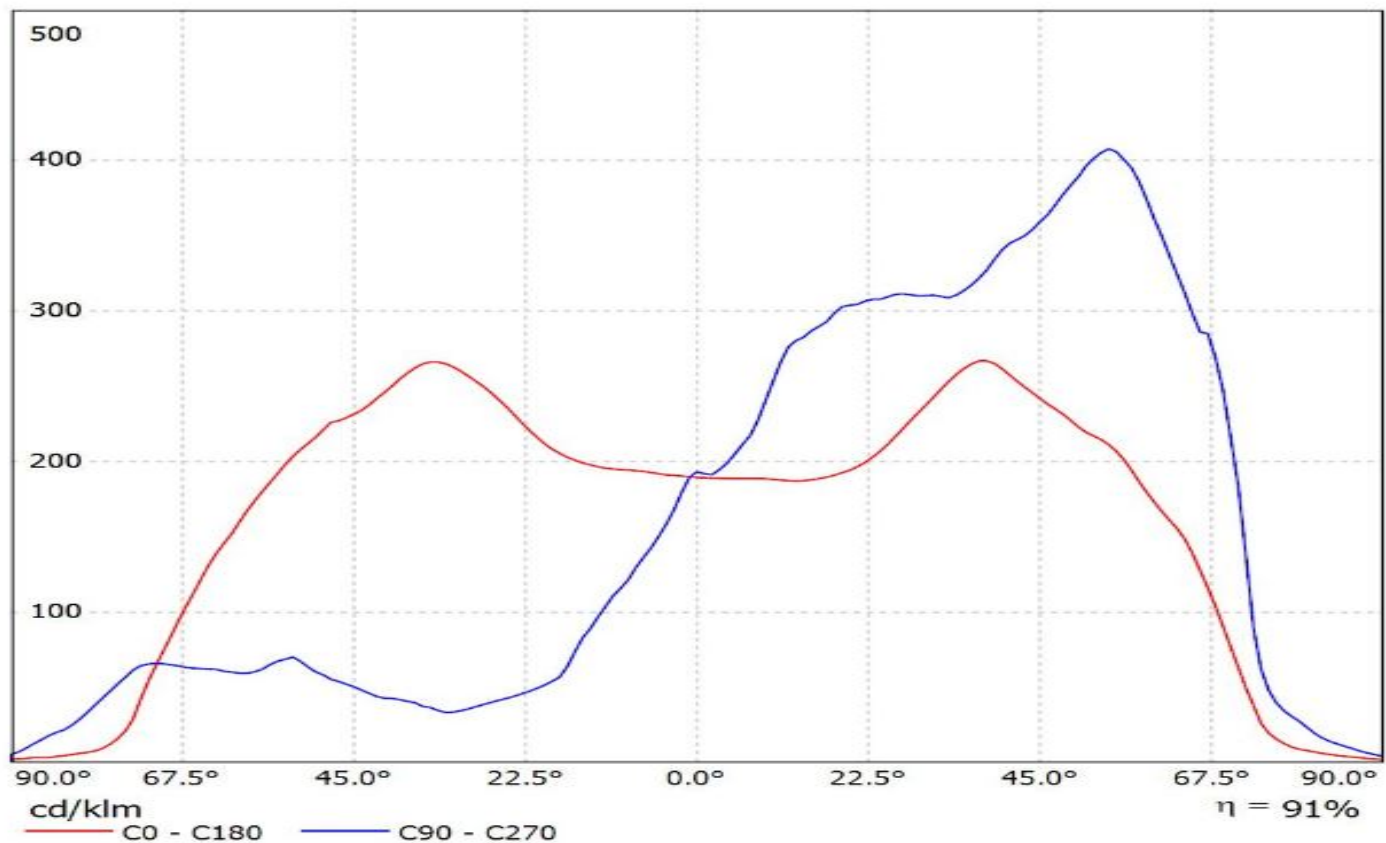
Lamps: 1 x Seoul\_Z8Y22plus\_(W6E2G)\_513.996lm@250mA\_P=2.754W\_I=0.250A



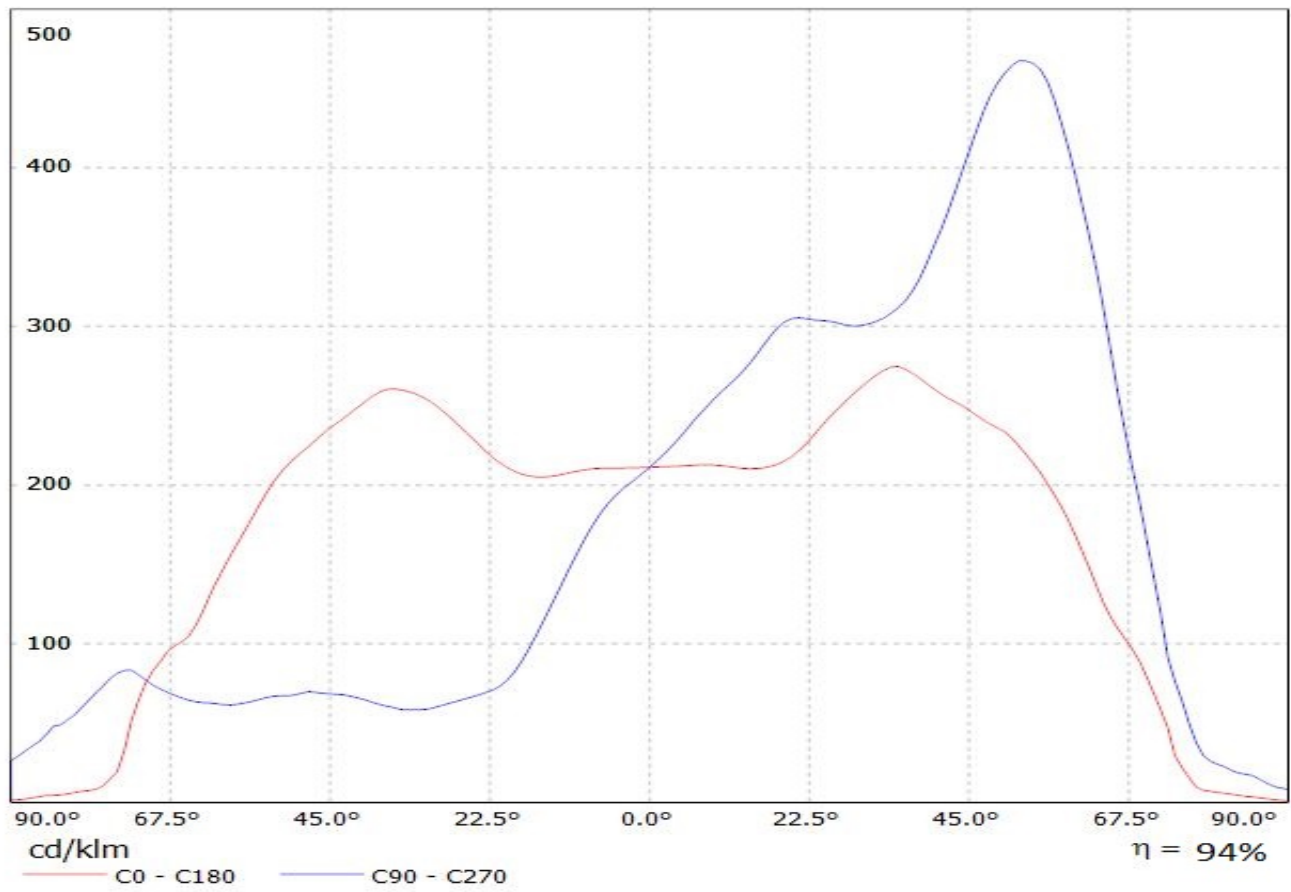
# Ledil C13805\_STRADA-2X2-T4\_(TL1L4) / LDC (Linear)

Luminaire: Ledil C13805\_STRADA-2X2-T4\_(TL1L4)

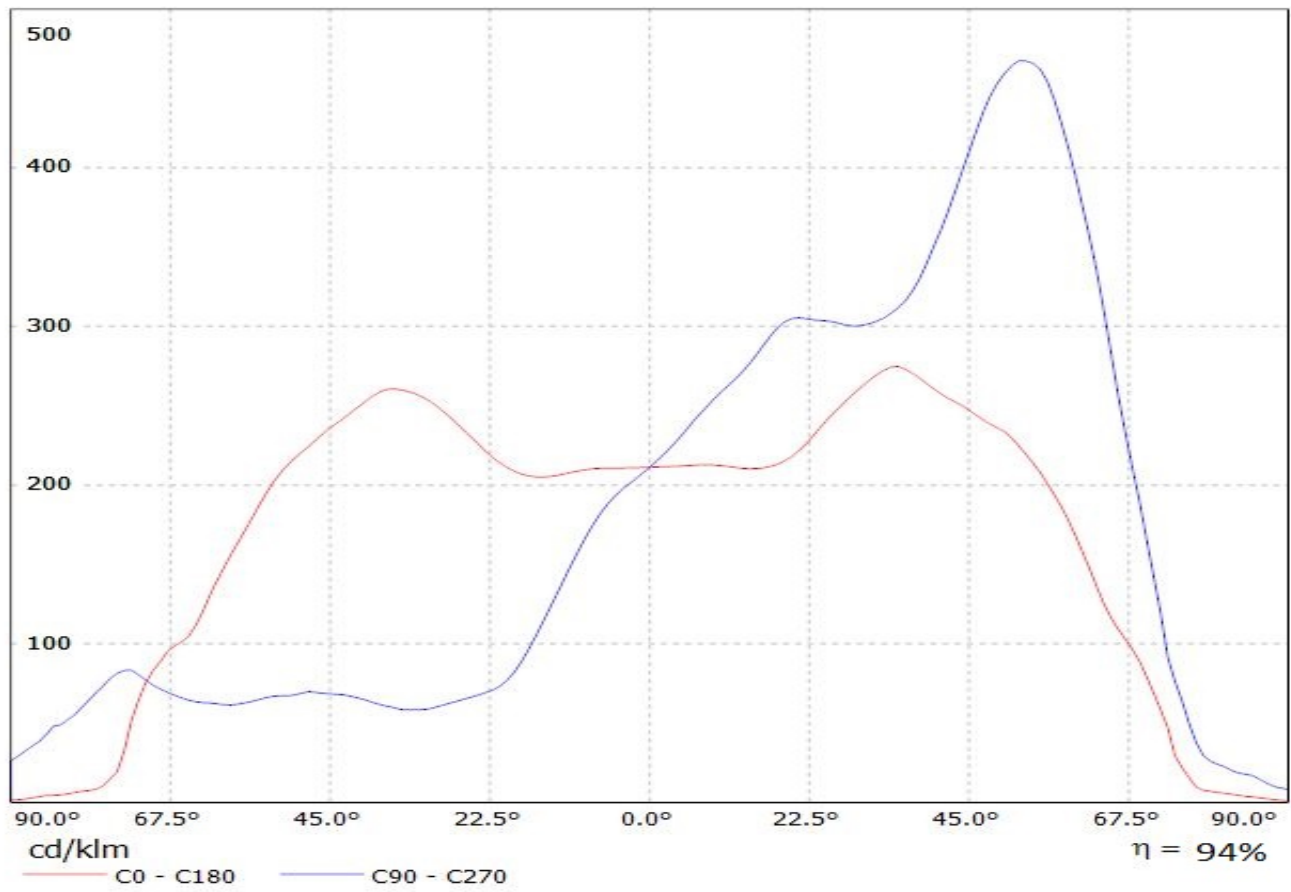
Lamps: 1 x Toshiba\_TL1L4\_2x2\_(TL1L4-DW0)\_472.639lm@250mA\_CCT=6500K\_P=2.9W\_I=0.25A



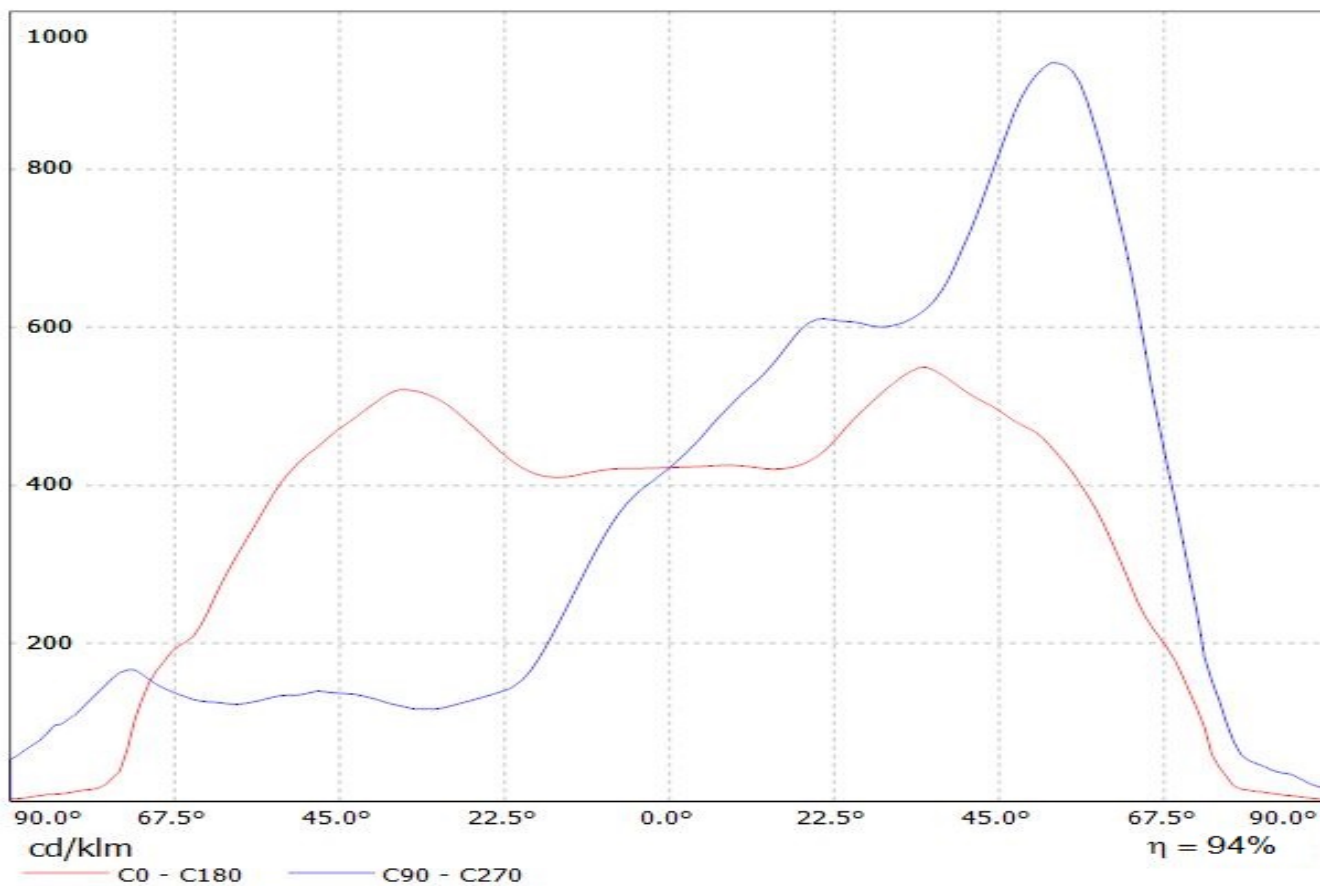
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4576.03lm@700mA\_P=32.0681W\_I=0.700A



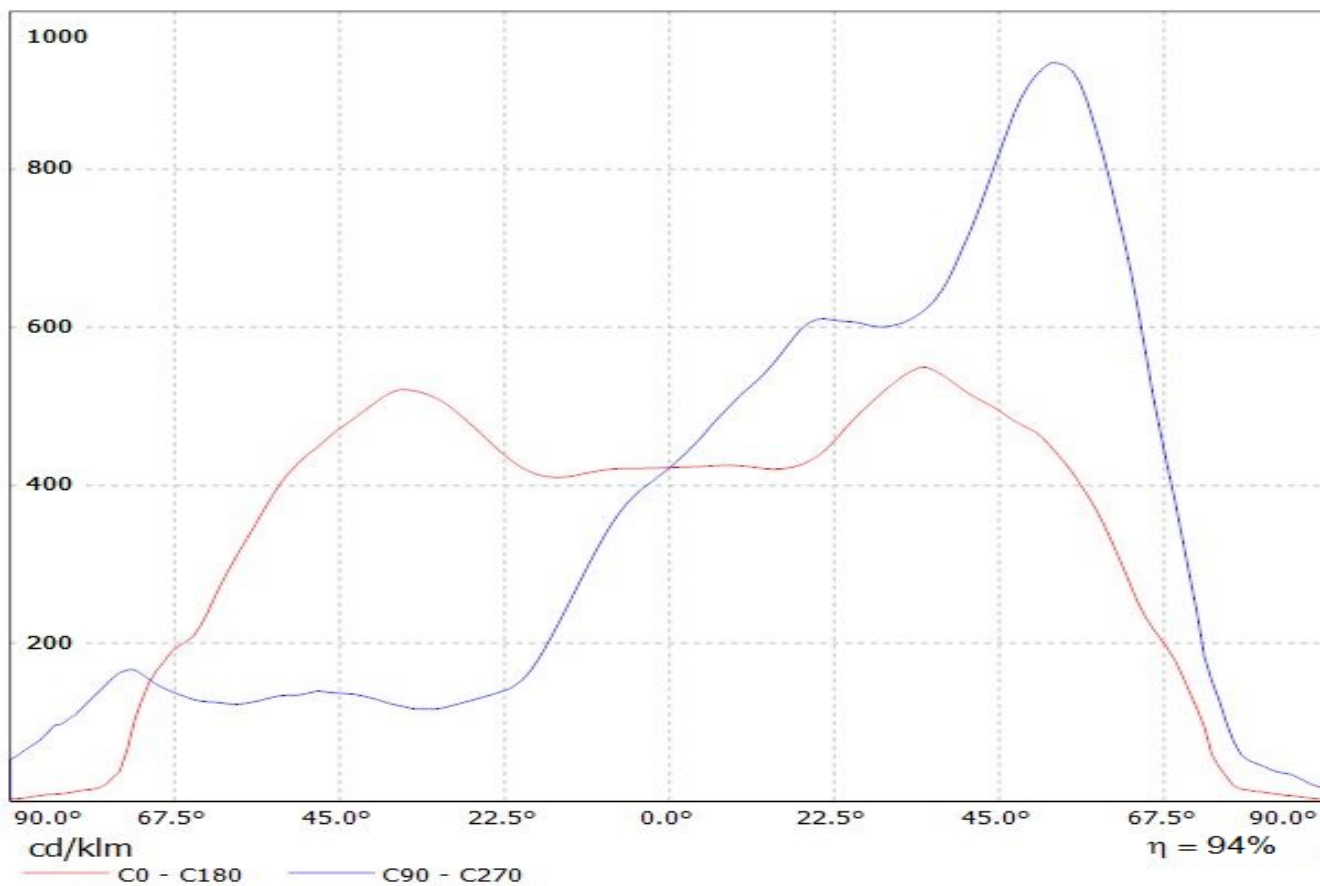
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4576.03lm@700mA\_P=32.0681W\_I=0.700A



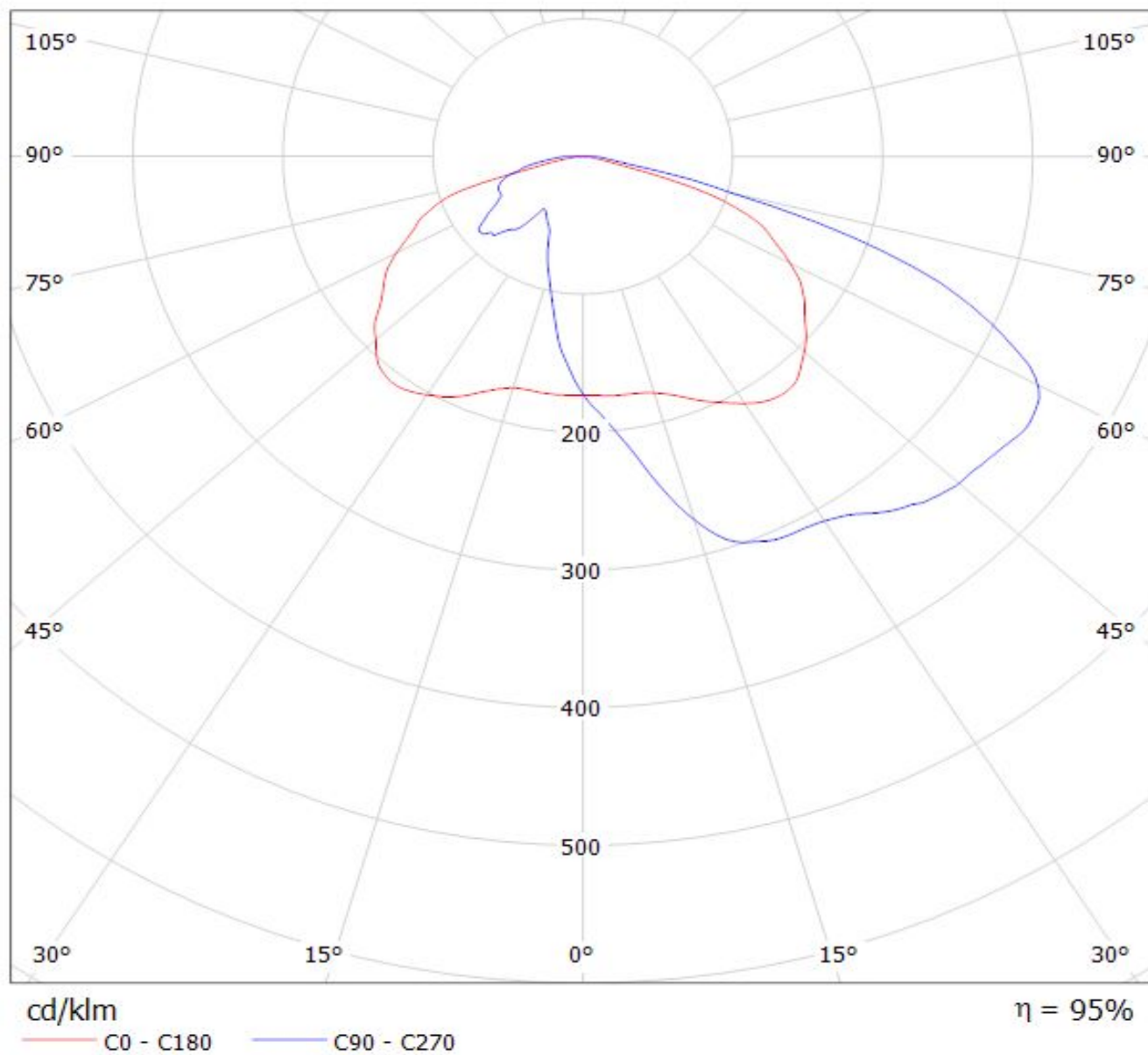
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A



Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A



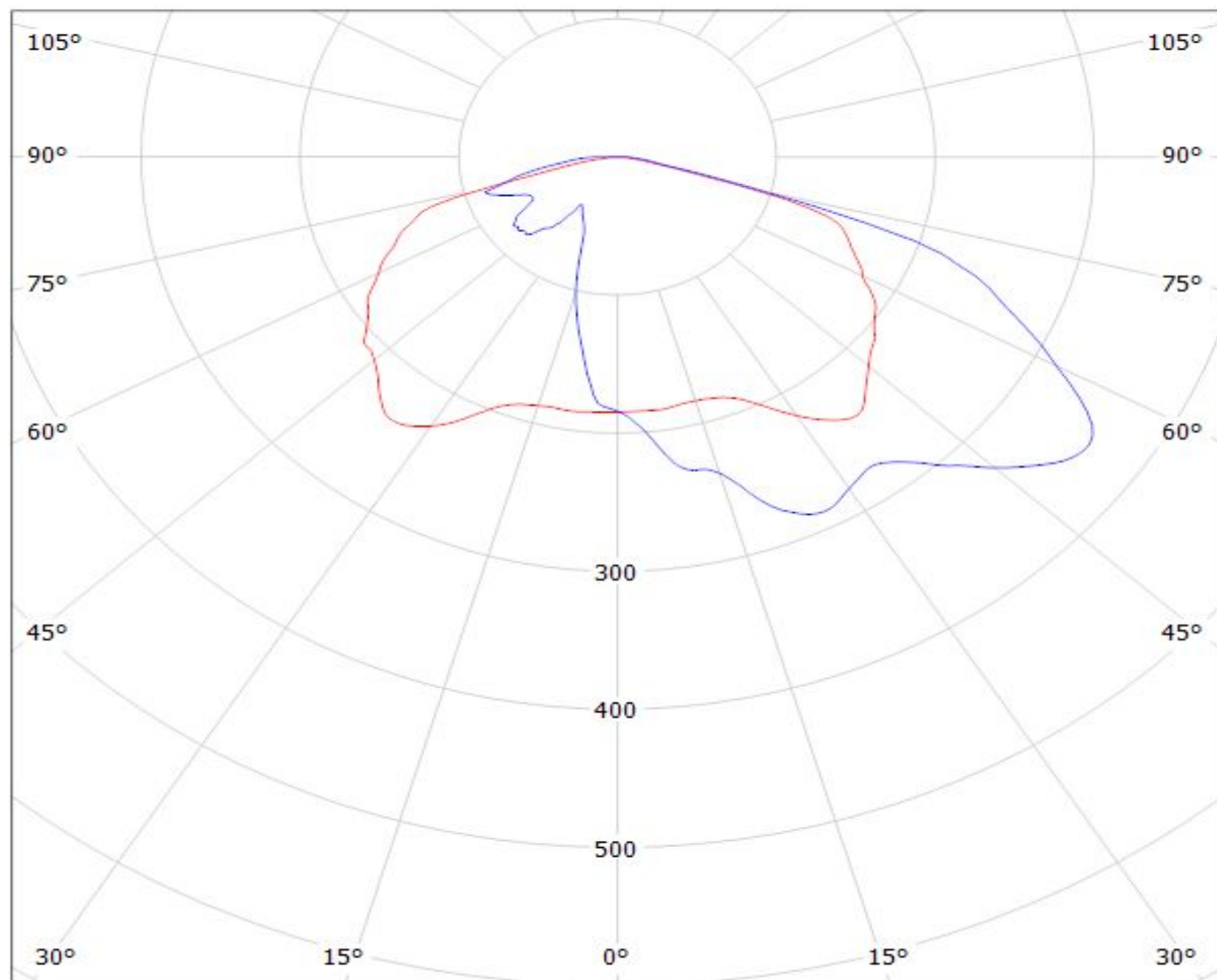
Luminaire: LEDiL Oy C13805\_STRADA-2X-T4 (XM-L)\_4 Eff.94.8%  
Lamps: 1 x CREE\_XM-L\_2x2\_354.749lm@250mA\_P=2.82762W\_I=249.9mA



# LEDiL Oy C13805\_STRADA-2X2-T4\_(XP-G) Eff.94.0% / LDC (Polar)

Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(XP-G) Eff.94.0%

Lamps: 1 x CREE\_XP-G\_2x2\_254.292lm@250mA\_P=2.89709W\_I=249.9mA



cd/klm

— C0 - C180

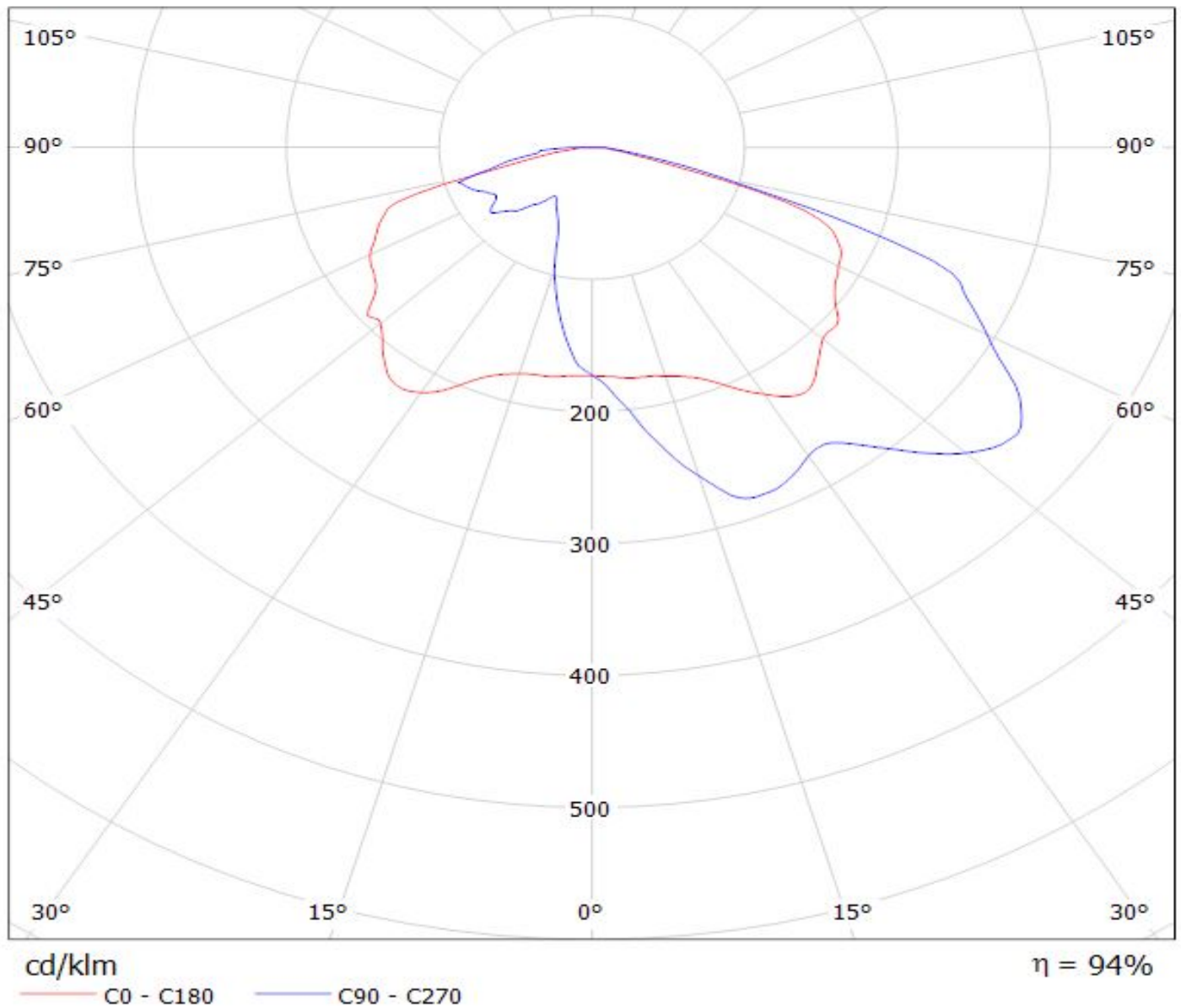
— C90 - C270

$\eta = 94\%$

# LEDiL Oy C13805\_STRADA-2X2-T4\_(XT-E) Eff.94.0% / LDC (Polar)

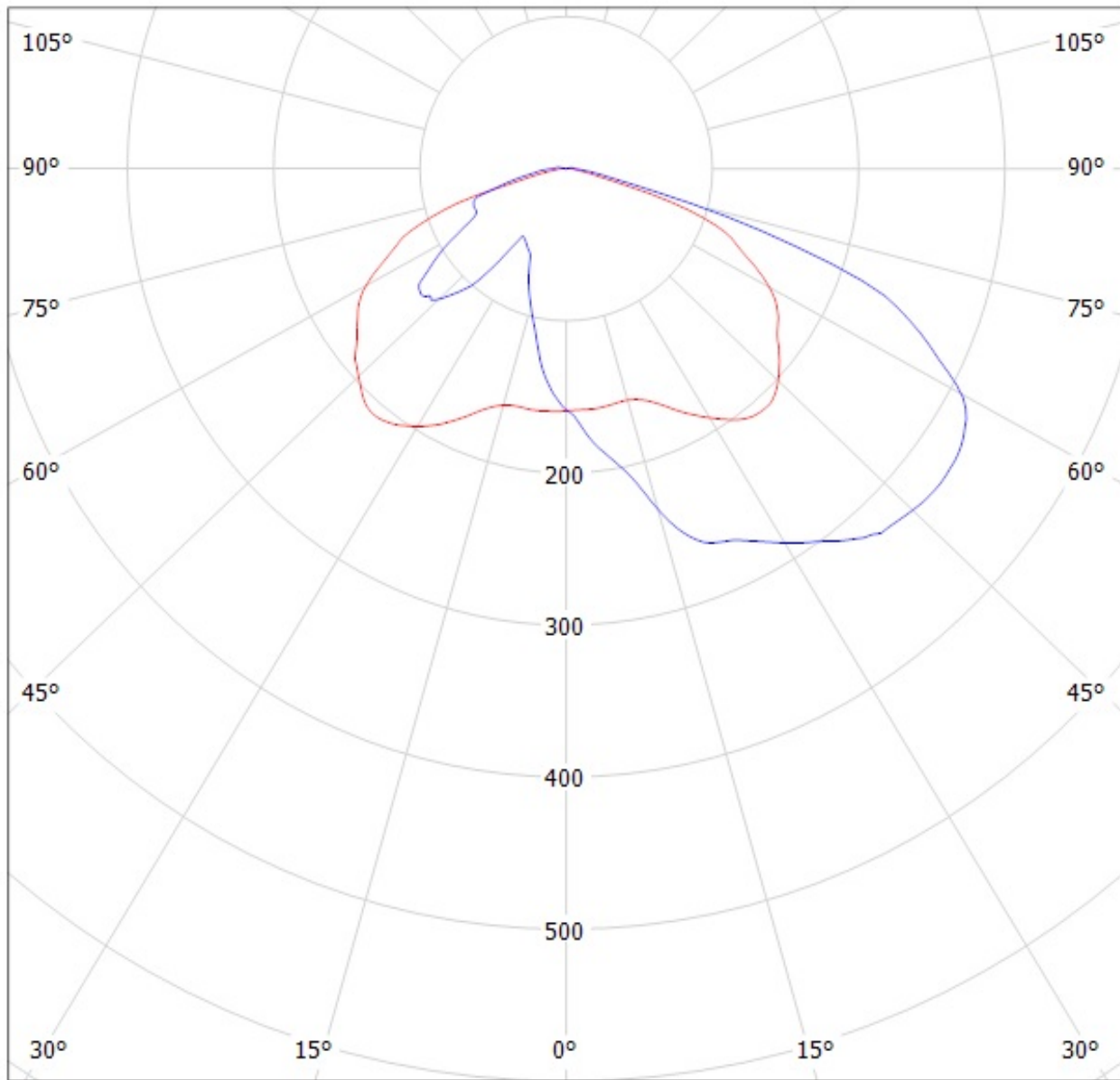
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(XT-E) Eff.94.0%

Lamps: 1 x CREE\_XT-E\_2x2\_381.369lm@250mA\_CCT=5717K\_P=2.9868W\_I=249.9mA



Luminaire: LEDiL Oy C13805\_STRADA-2x2-T4\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_515lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA

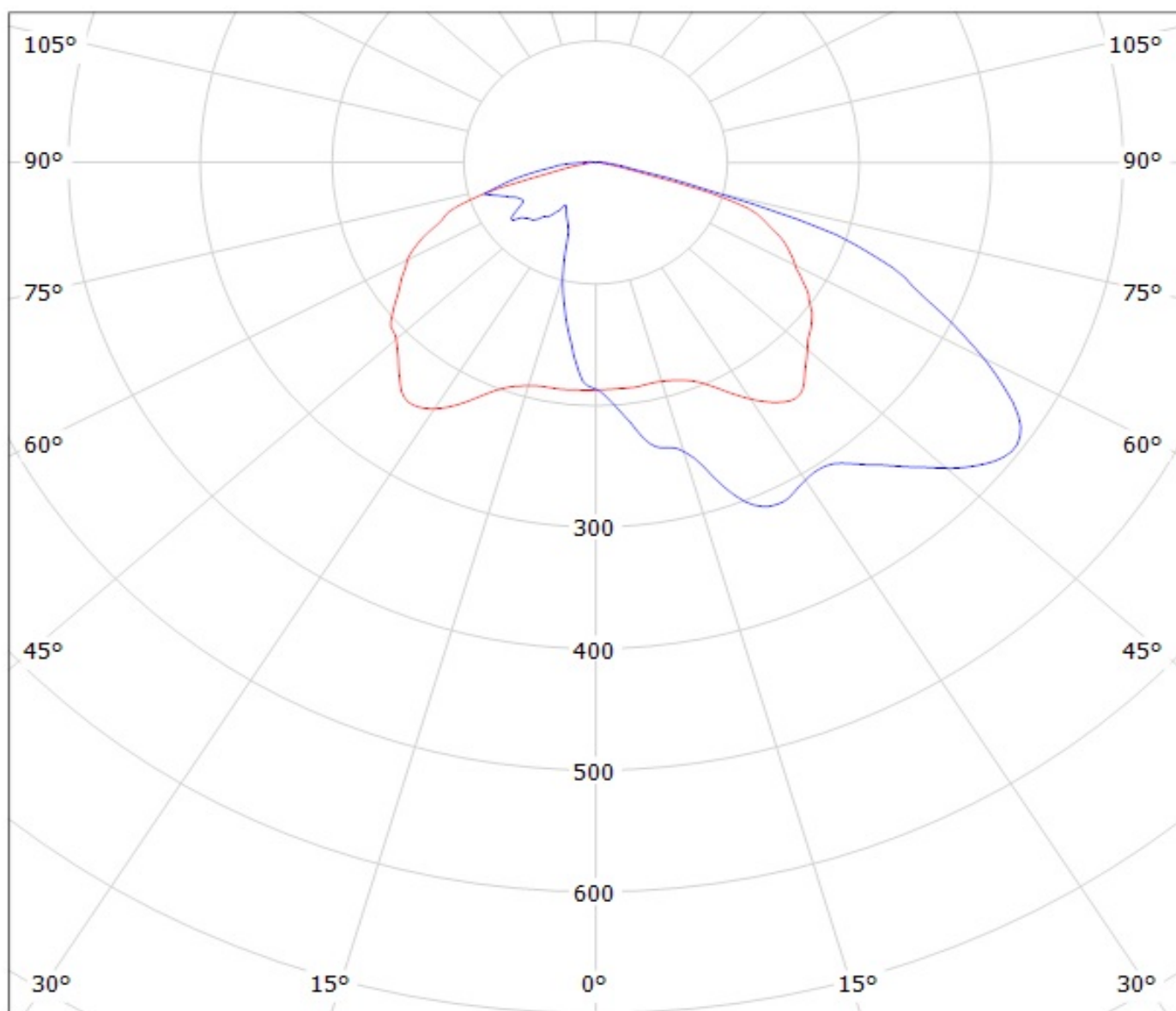


cd/klm

$\eta = 94\%$

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(XP-L\_HI)  
Lamps: 1 x Cree\_XP-L\_HI\_(2x2)\_ (XPLAWT-H-5A3-U60-013-0001)  
\_455.077lm@250mA\_P=2.84011W\_I=0,2499A



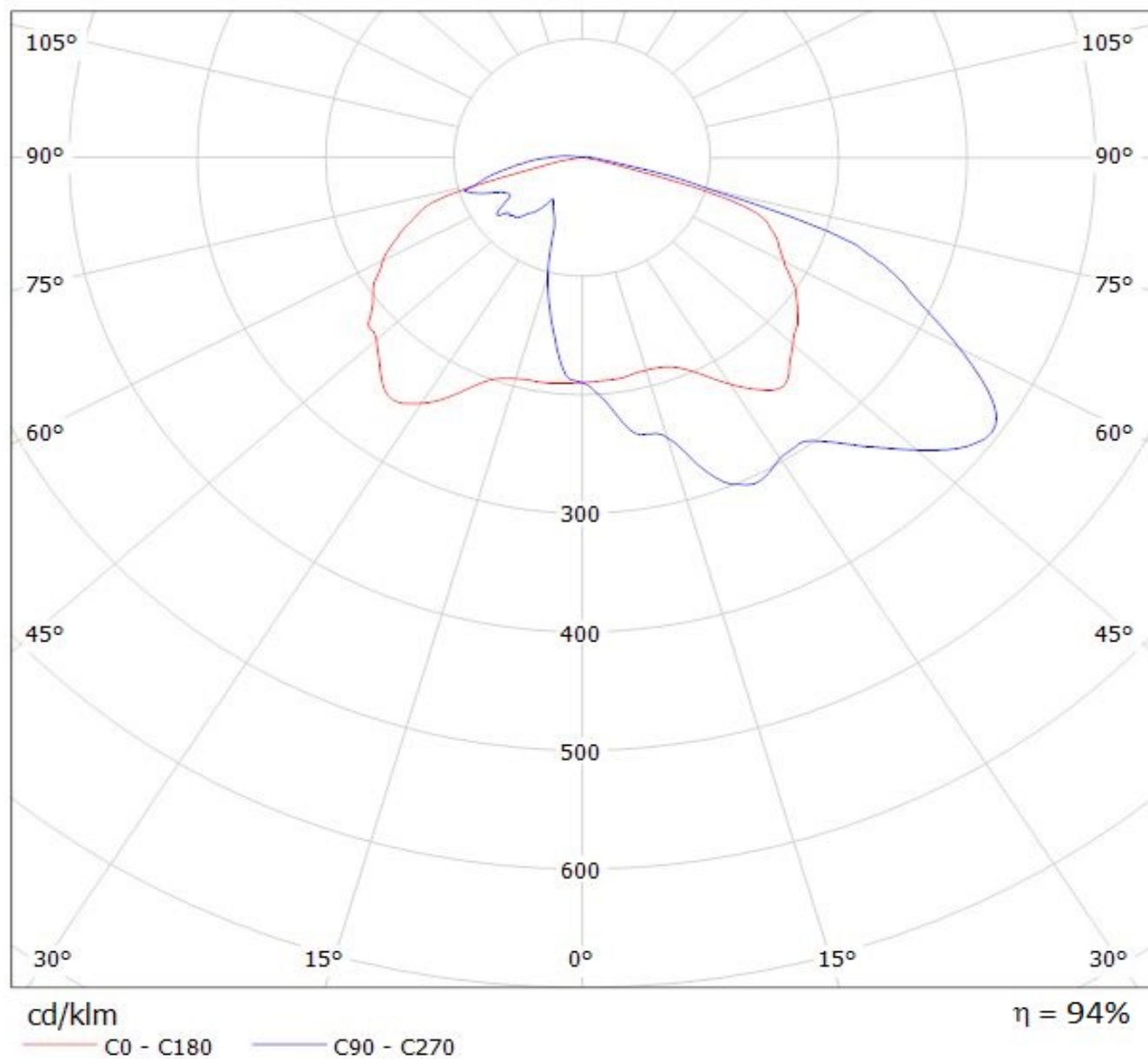
cd/klm

— C0 - C180    — C90 - C270

$\eta = 96\%$

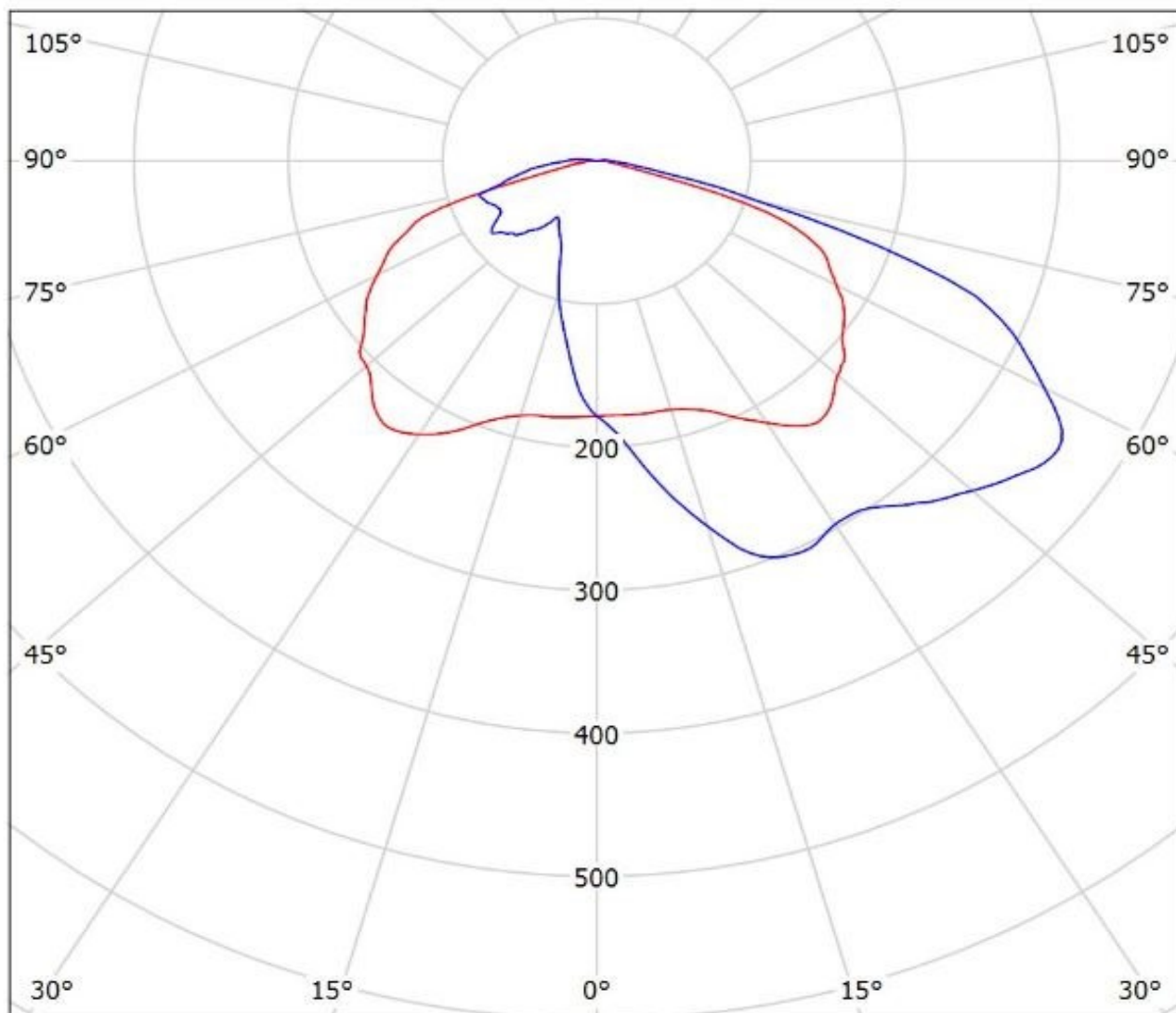
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(XP-G2)

Lamps: 1 x Cree\_XP-G2\_(XPGBWT-L1-000-00-G51)\_409.462lm@250mA\_P=2.94407\_I=0.250A



Luminaire: Ledil C13805\_STRADA-2X2-T4\_(XP-G3)

Lamps: 1 x Cree\_XP-G3\_2x2\_(XPGDWT-B1-3C0-S4-0-01)\_516.212lm@250mA\_P=2.78875W\_I=0.250A



cd/klm

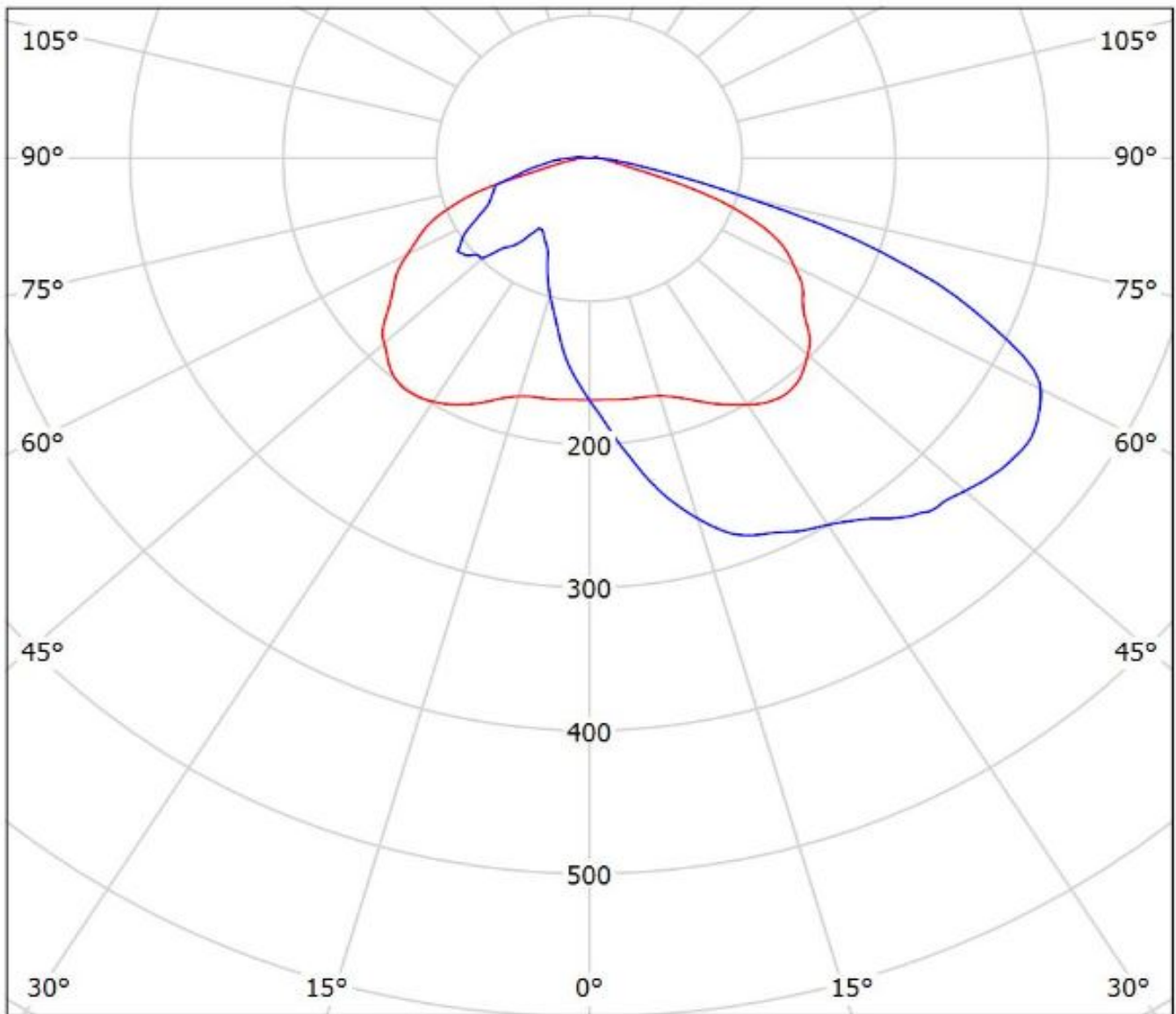
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: Ledil C13805\_STRADA-2X2-T4\_(XP-L2)

Lamps: 1 x Cree\_XP-L2\_2x2\_(XPLBWT-00-0000-000BV50E3)550.93lm@250mA\_P=2.7815W\_I=0.25A

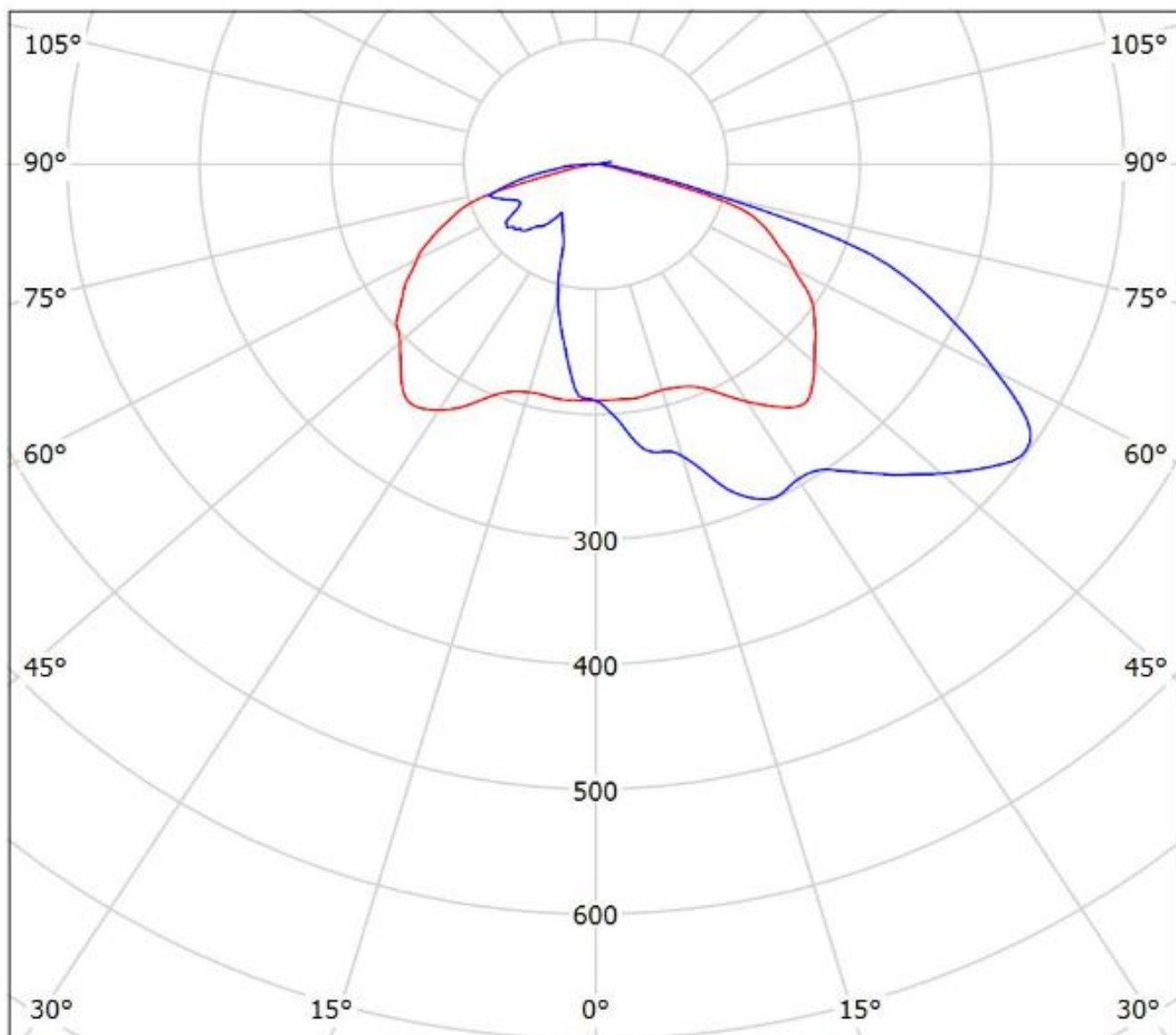


cd/klm

— C0 - C180 — C90 - C270

$\eta = 97\%$

Luminaire: Ledil C13805\_STRADA-2X2-T4\_(H35C1)  
Lamps: 1 x LG\_H35C1\_2x2\_477.216lm@250mA\_P=2.87475W\_I=0.250A

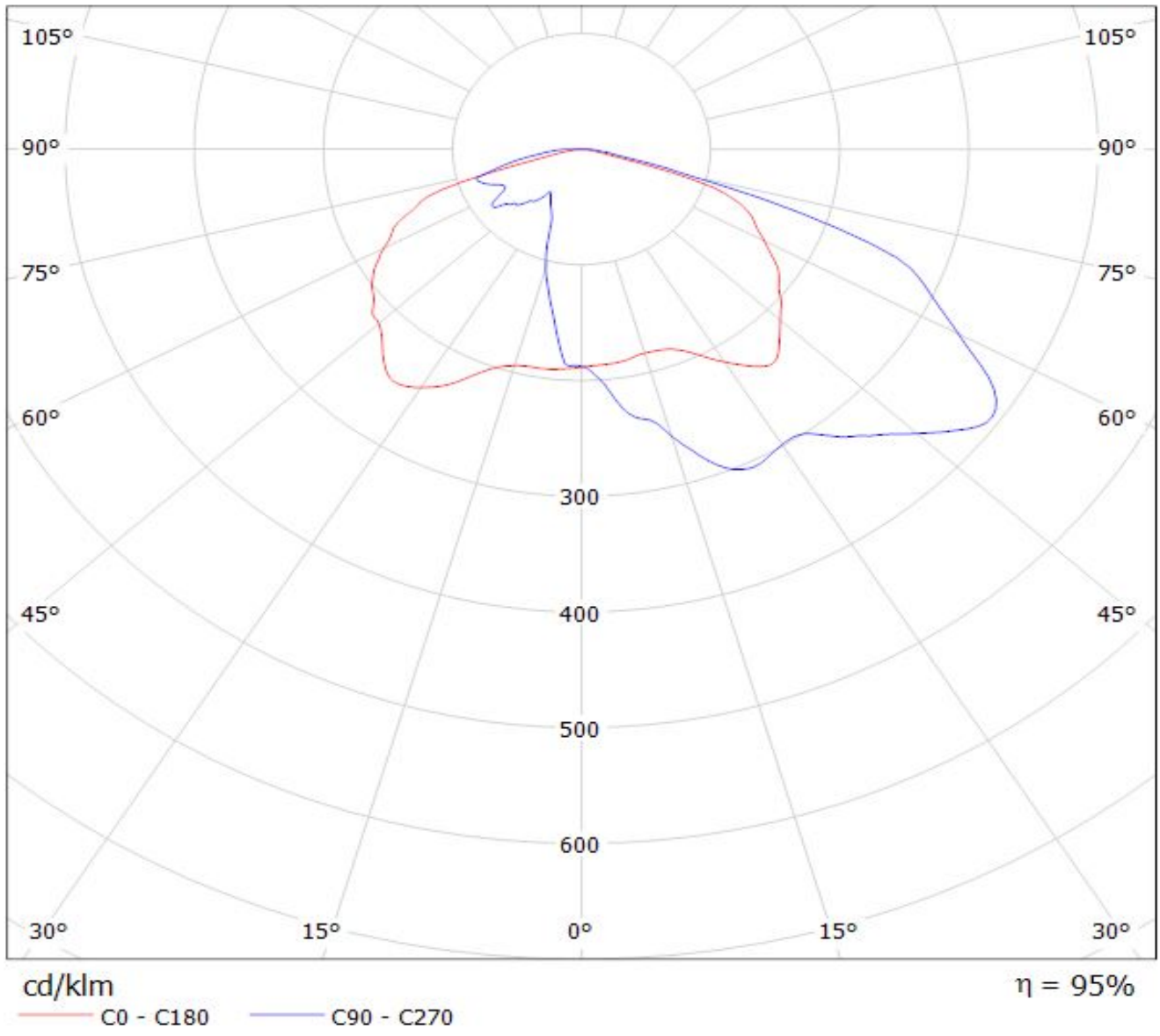


cd/klm  
— C0 - C180 — C90 - C270

$\eta = 96\%$

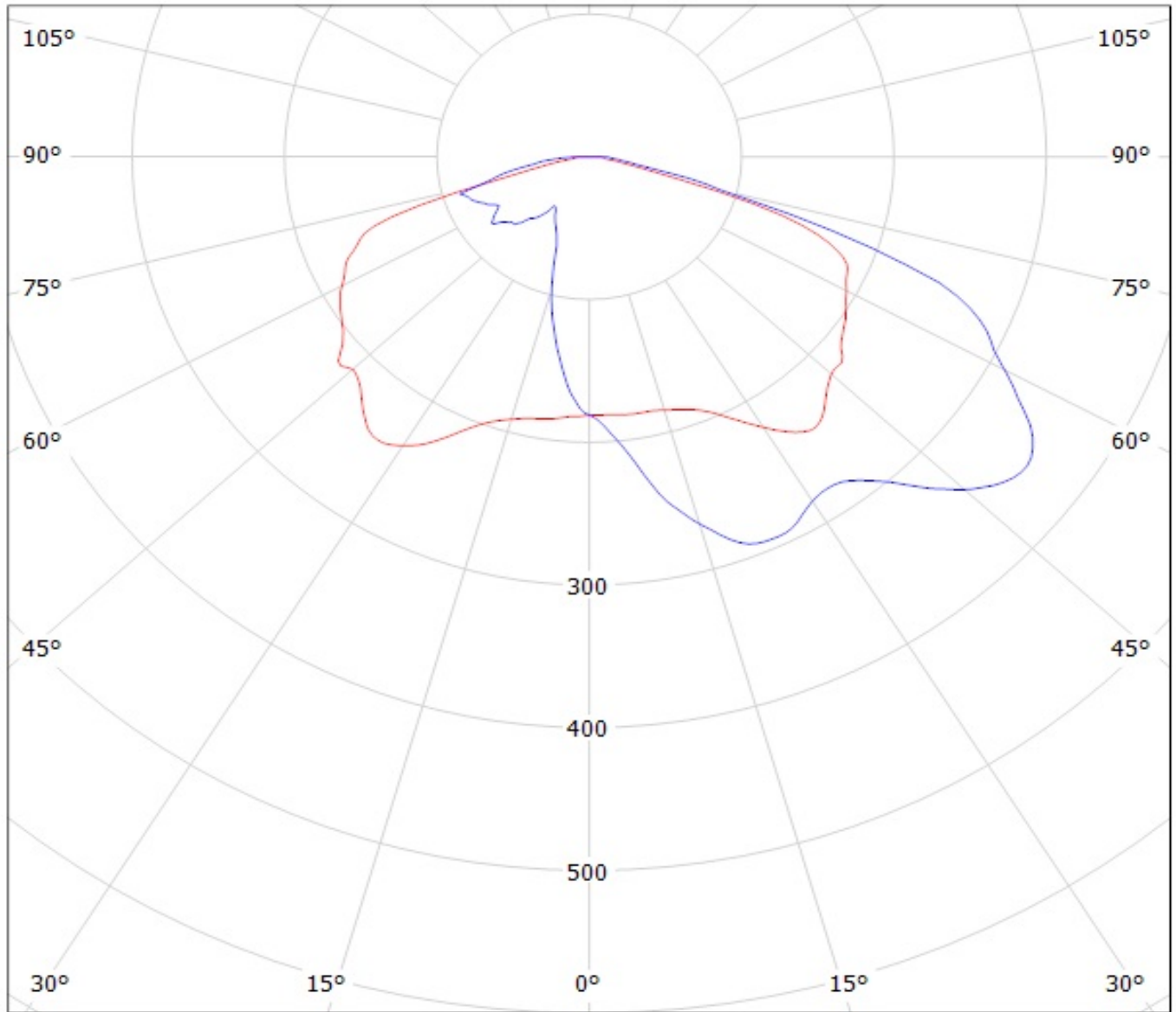
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(LUXEON\_T) Eff. 95%

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



Luminaire: LEDiL Oy C13805\_STRADA-2x2-T4\_(LUXEON\_Q)

Lamps: 1 x LUXEON\_Q\_2x2\_(LHQ-3080)\_299.038lm@250mA\_P=2.8742W\_I=249.8mA



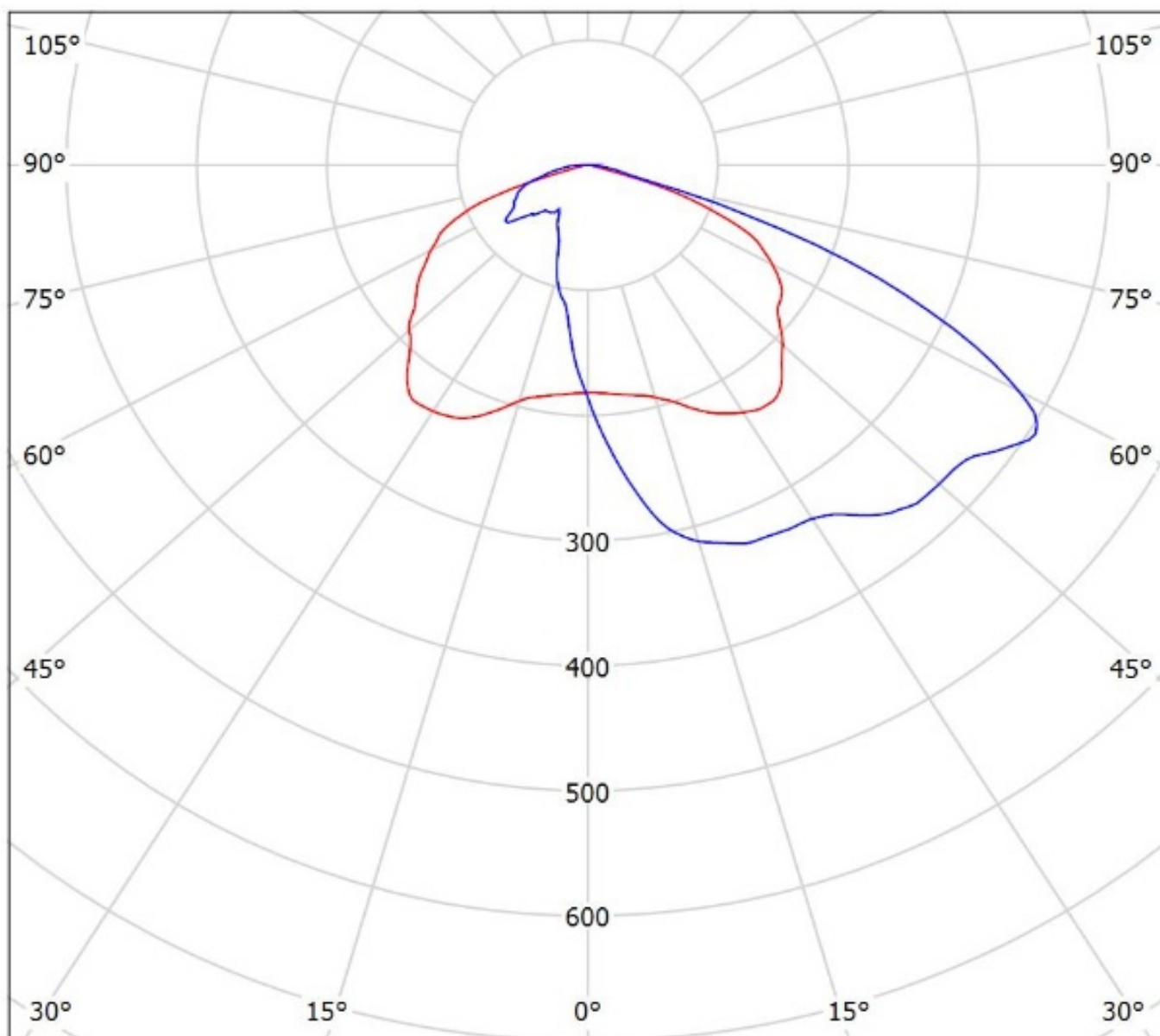
cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil C13805\_STRADA-2X2-T4\_(Luxeon\_MZ)

Lamps: 1 x Philips\_Lumileds\_Luxeon\_MZ\_(LMZ7-QW57)\_(2x2)\_427.268lm@250mA\_P=2.734W\_I=0.2500A

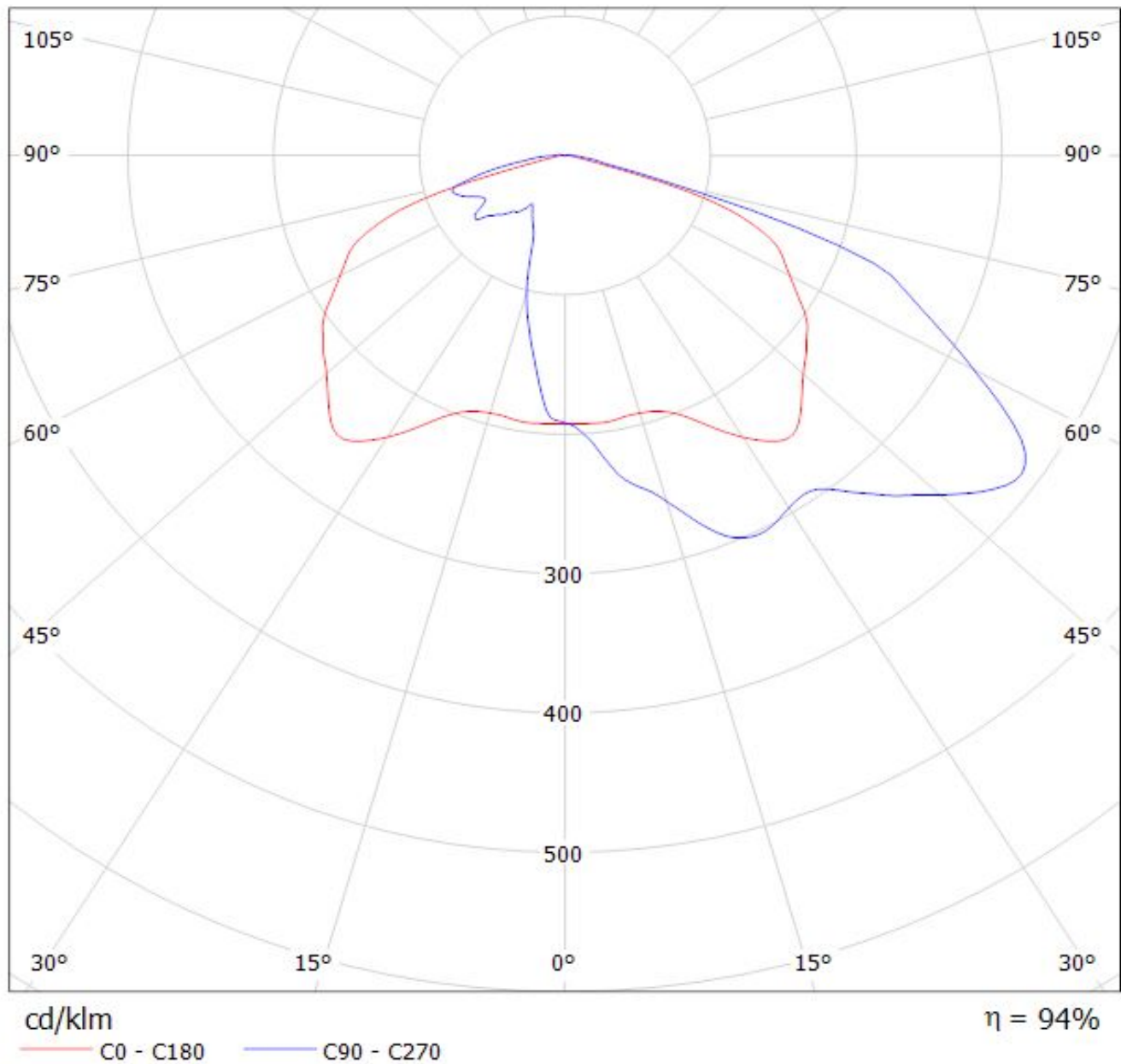


cd/klm

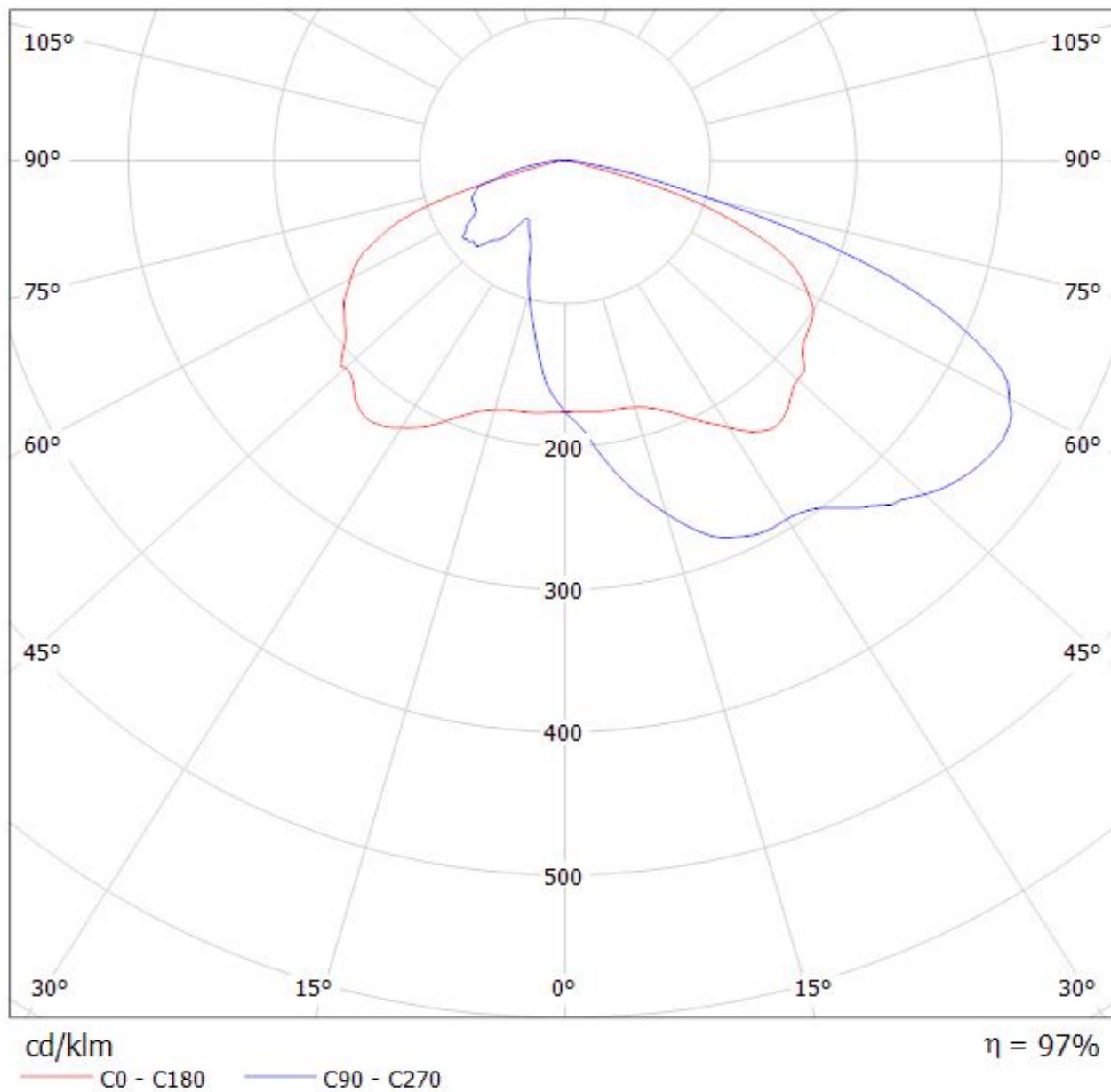
— C0 - C180 — C90 - C270

$\eta = 97\%$

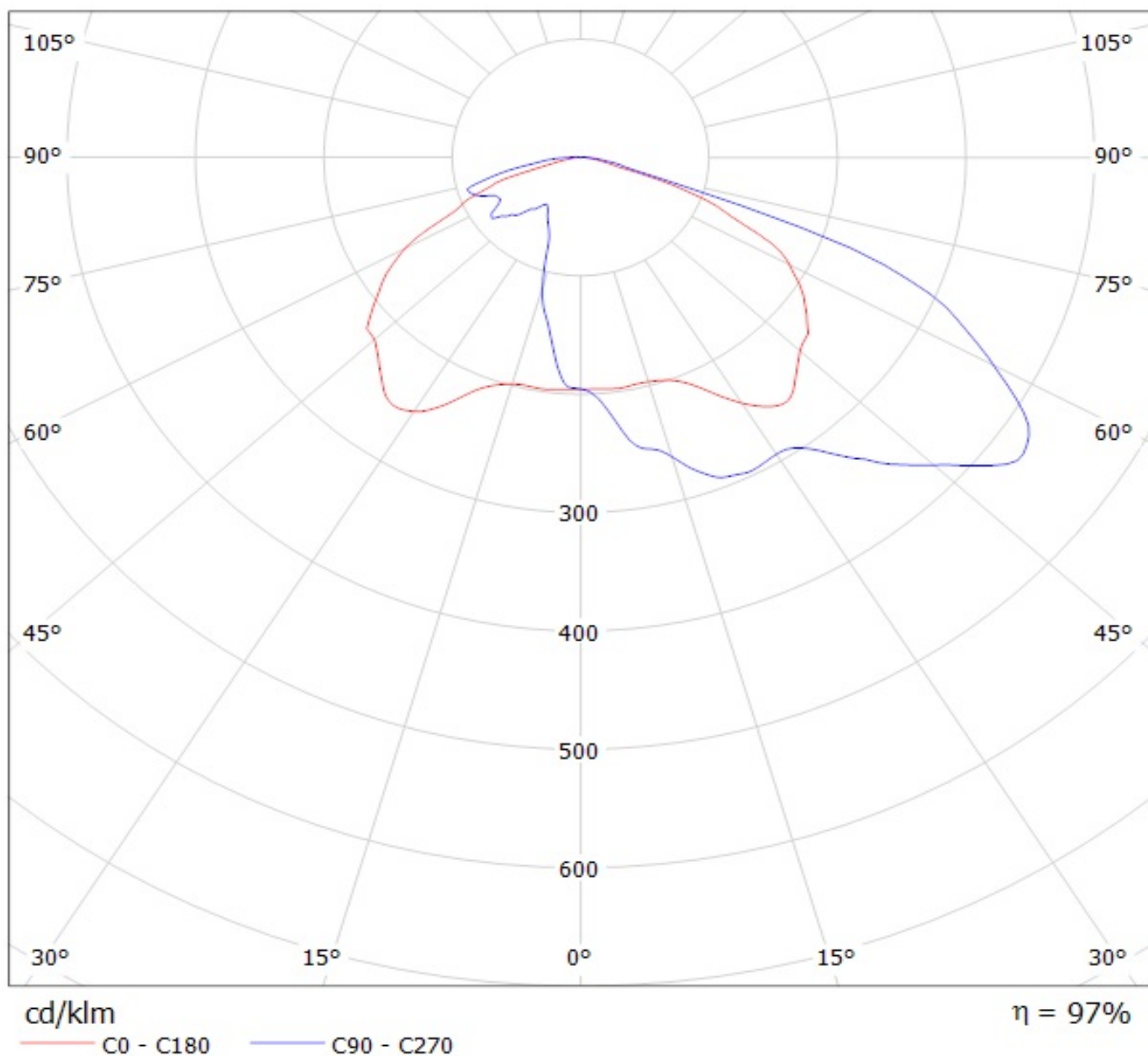
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(Luxeon\_TX)  
Lamps: 1 x Luxeon\_TX\_2x2\_321.384lm@250mA\_P=2.79488W\_I=249.9mA



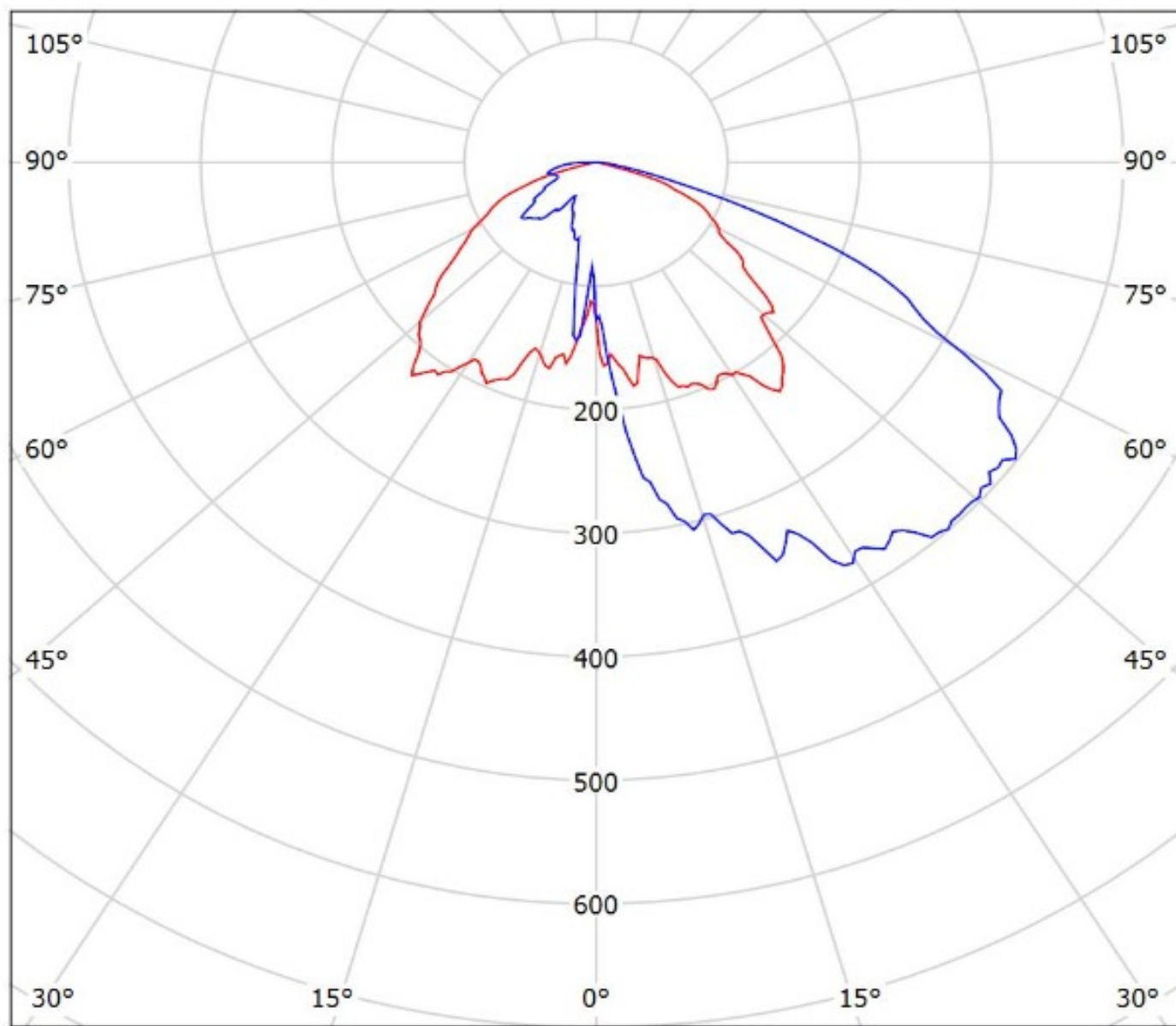
Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(NVSW319AE)  
Lamps: 1 x Nichia\_NVSW319AE\_499.093lm@250mA\_P=2.79052W\_I=0.25A



Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(Oslon\_Square\_PC\_2x2)  
Lamps: 1 x Osram\_Oslon\_Square\_PC\_2x2\_(GWCSSRM1.PC)  
\_411.322lm@250mA\_P=2.85186W\_I=0.2499A



Luminaire: Ledil Oy C13805STRADA-2X2-T4\_(Duris\_S8\_Gen2)\_SIMULATED  
Lamps: 1 x OSRAM\_DURIS S8 GEN2 5050 package



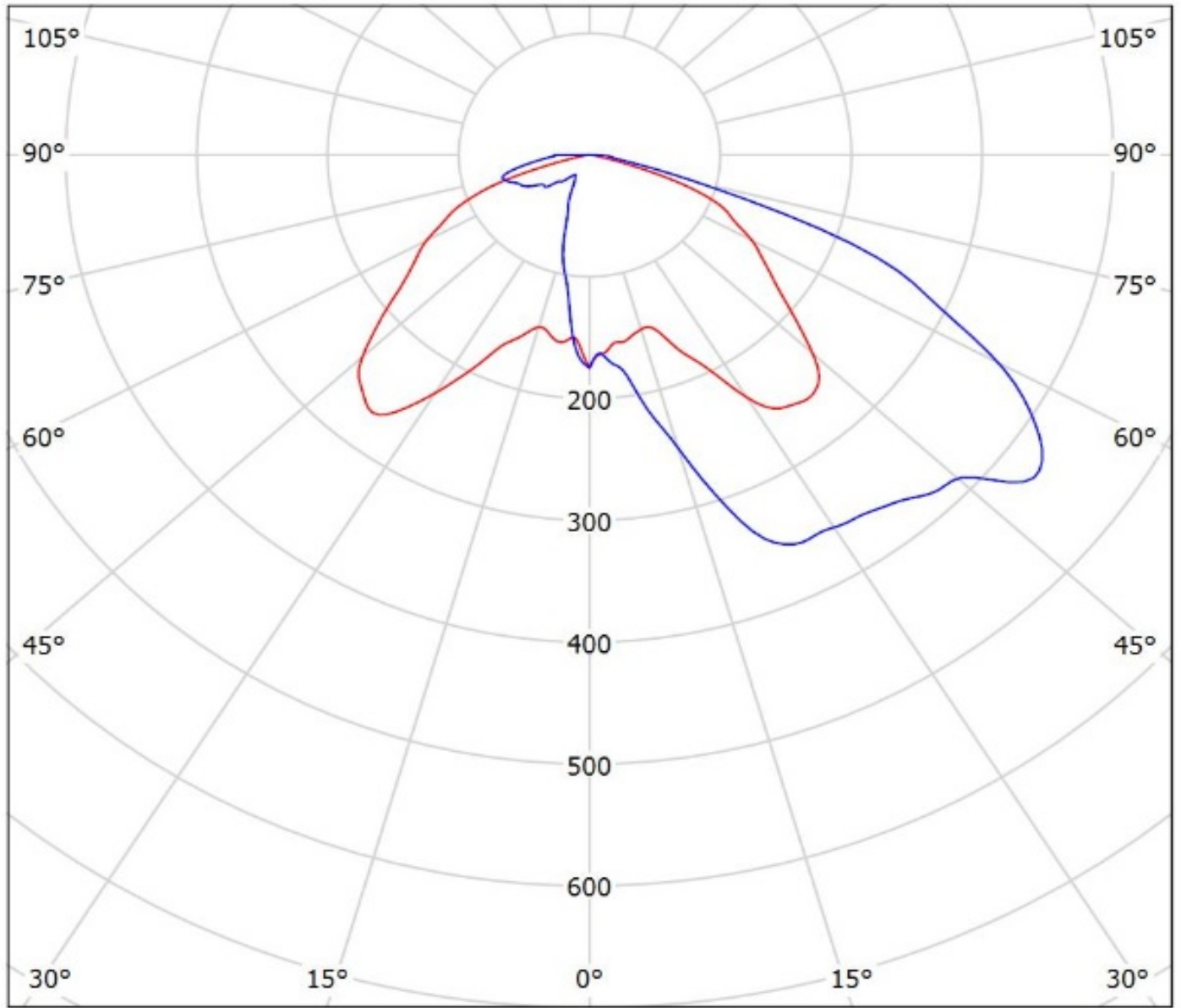
cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: Ledil Oy C13805\_STRADA-2X2-T4\_(Duris\_P8)\_SIMULATED  
Lamps: 1 x Osram Duris P8

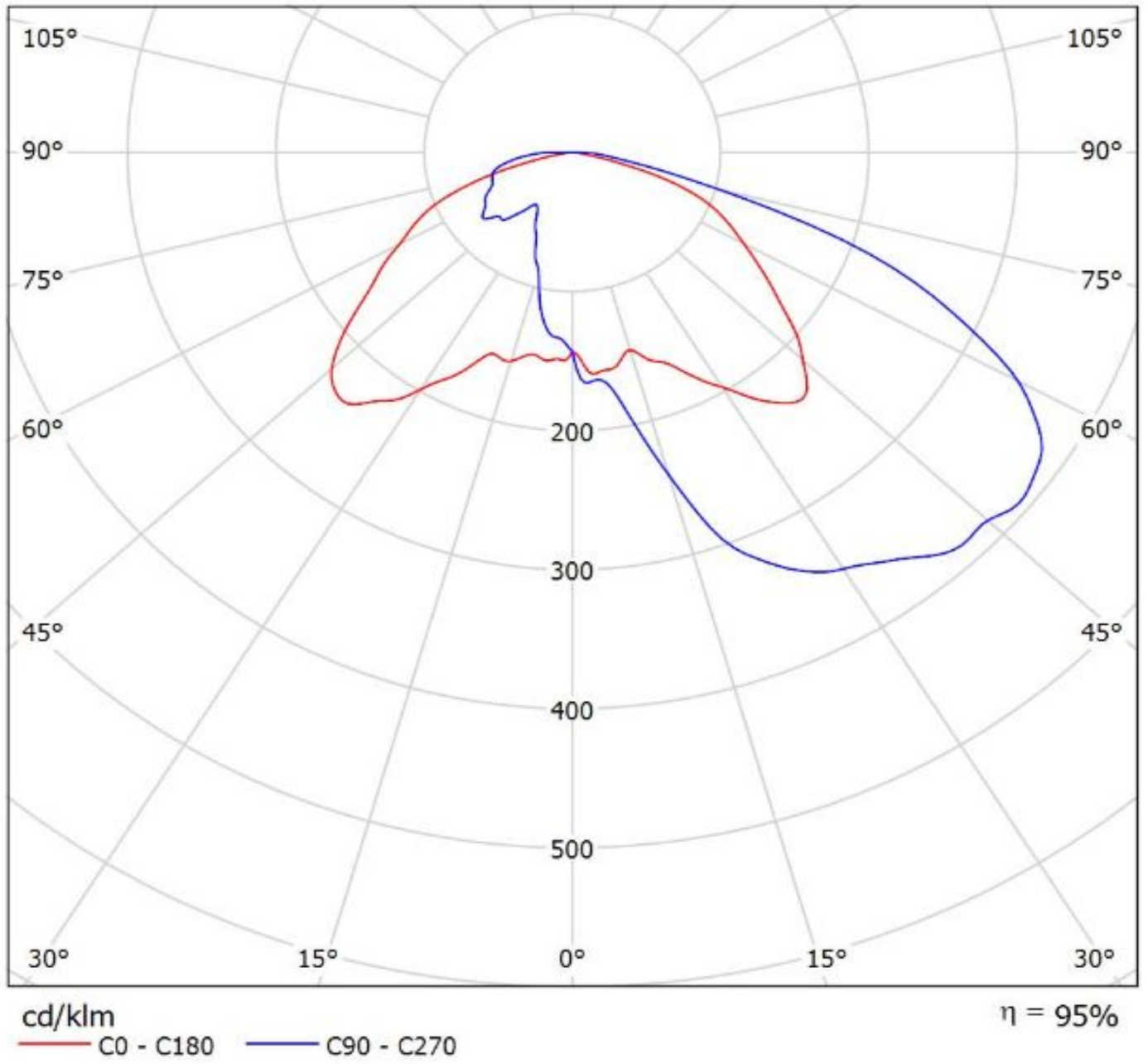


cd/klm

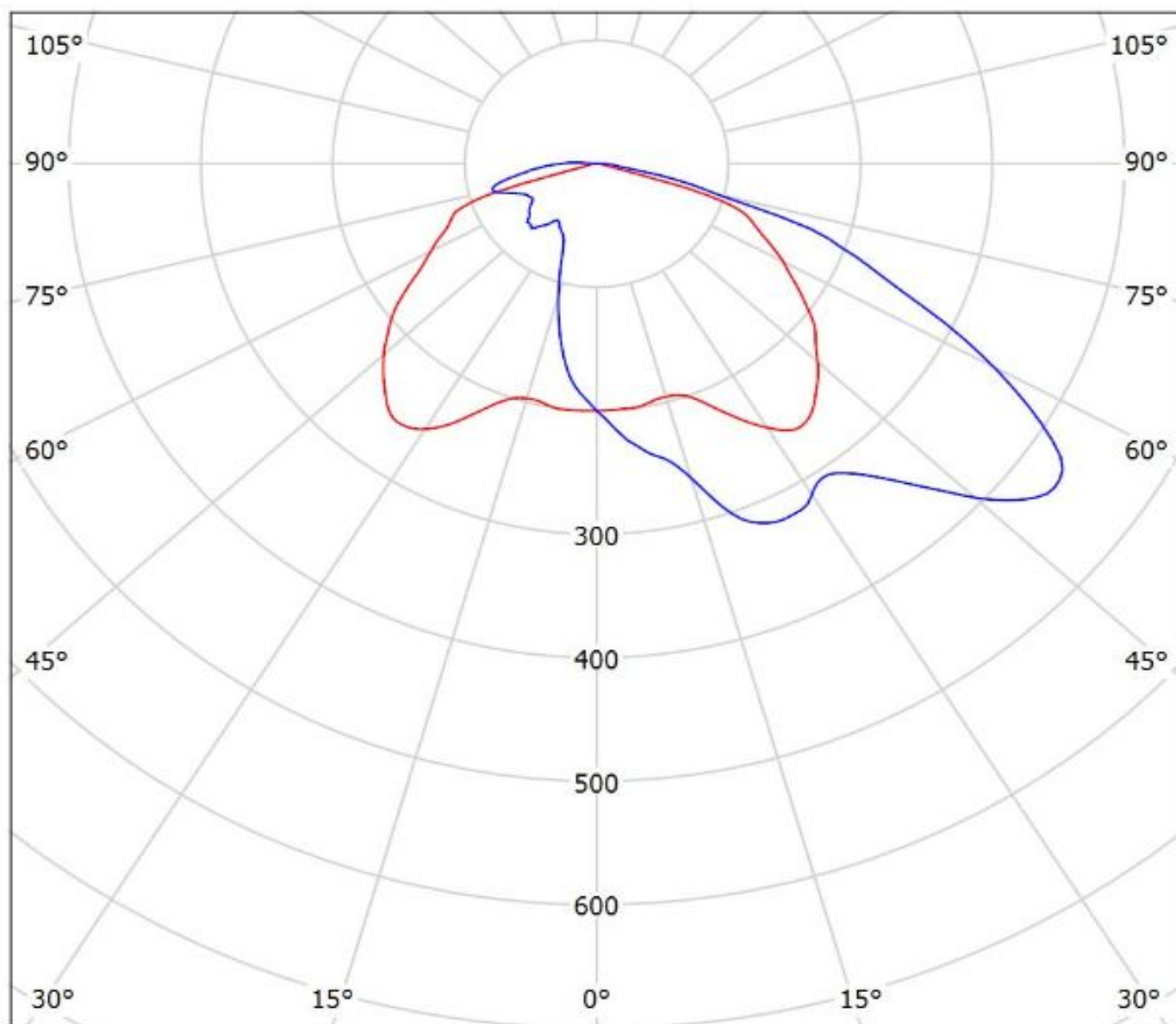
— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: Ledil Oy C13805\_STRADA-2X2-T4\_OSRAM\_DURIS\_P9\_SIMULATED  
Lamps: 1 x OSRAM DURIS P9



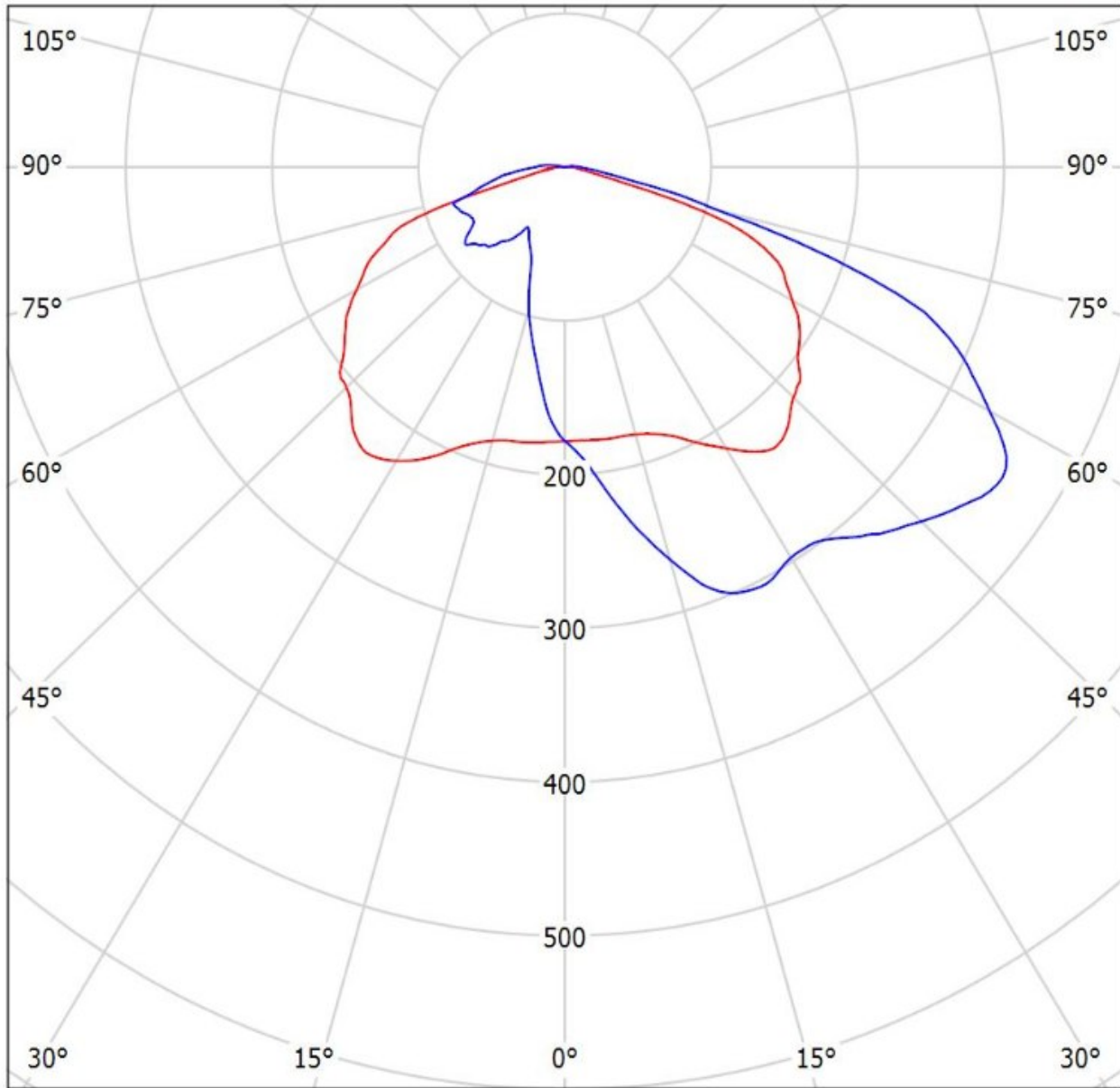
Luminaire: Ledil C13805\_STRADA-2X2-T4\_(Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3)  
Lamps: 1 x Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3\_1828.23lm@250mA\_P=11.667W\_I=0.25A



cd/klm  
— C0 - C180 — C90 - C270

$\eta = 97\%$

Luminaire: Ledil C13805\_STRADA-2X2-T4\_(Fortimo FastFlex LED board 2x8 DAX G4)  
Lamps: 1 x Fortimo FastFlex LED board 2x8 DAX G4



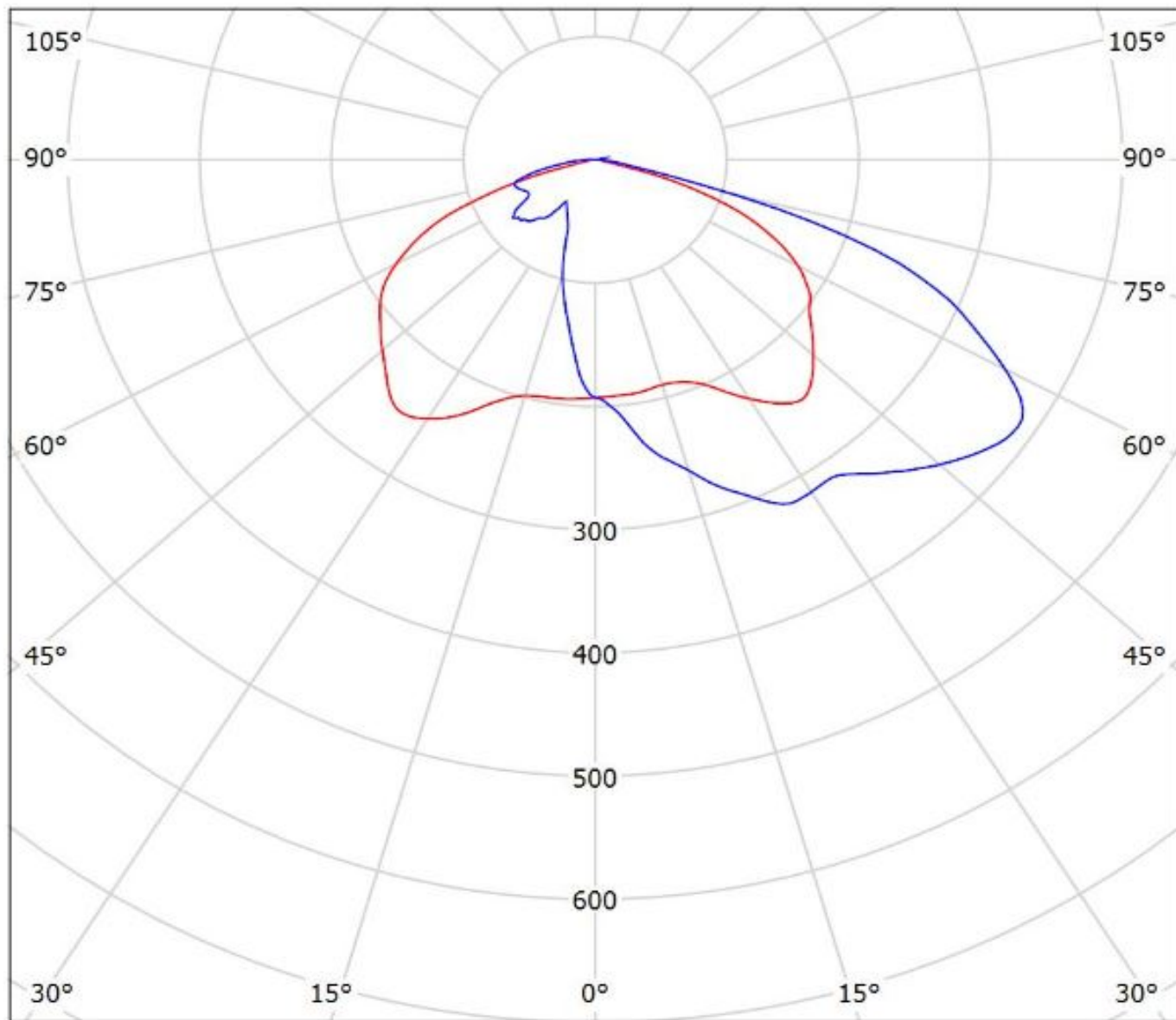
cd/klm

$\eta = 97\%$

— C0 - C180    — C90 - C270

Luminaire: Ledil C13805\_STRADA-2X2-T4\_(LH351B)

Lamps: 1 x Samsung\_LH351B\_2x2\_444.178lm@250mA\_P=2.8535W\_I=0.25A



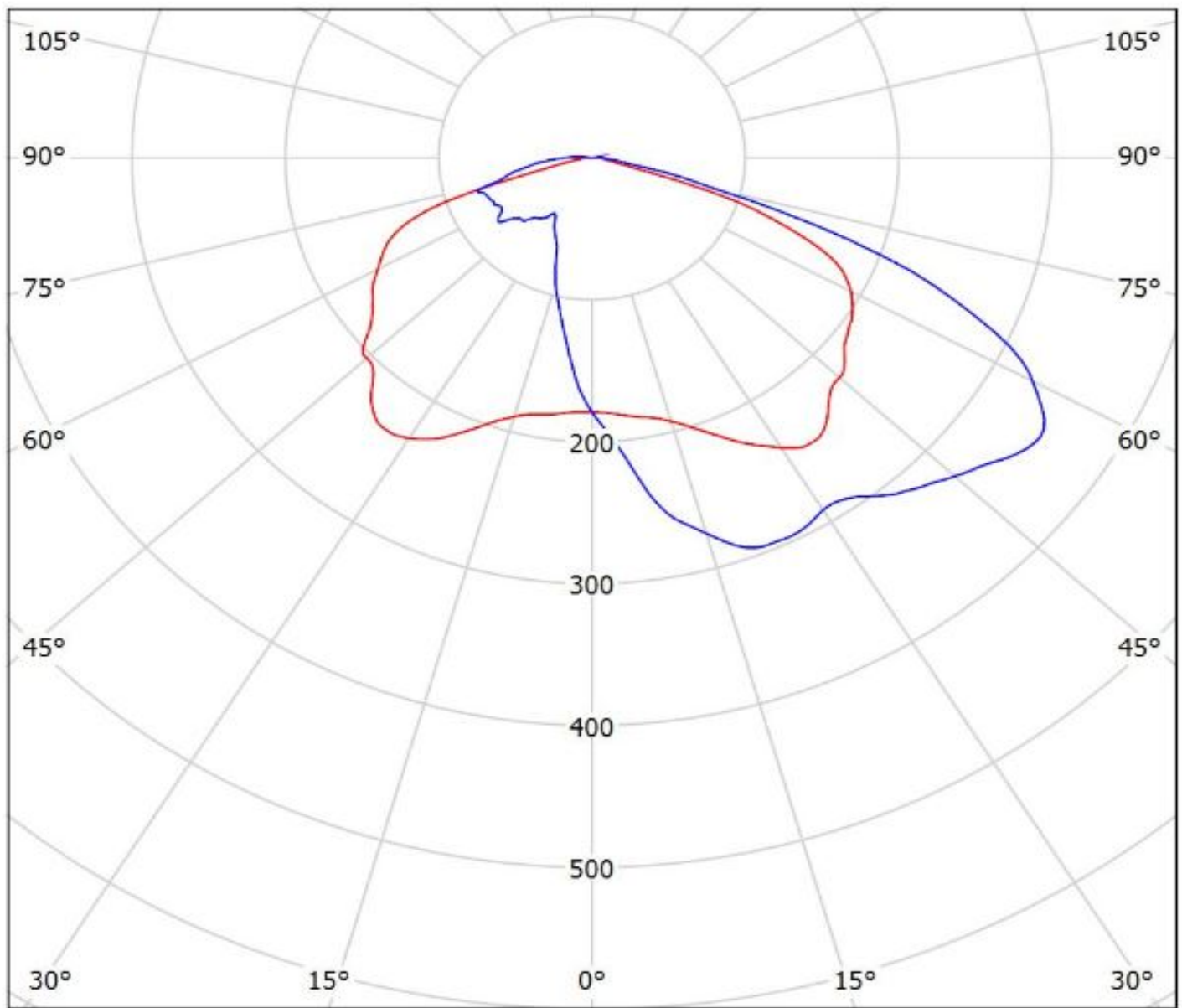
cd/klm

— C0 - C180 — C90 - C270

$\eta = 97\%$

Luminaire: Ledil C13805\_STRADA-2X2-T4\_(Z8Y22plus)

Lamps: 1 x Seoul\_Z8Y22plus\_(W6E2G)\_513.996lm@250mA\_P=2.754W\_I=0.250A



cd/klm

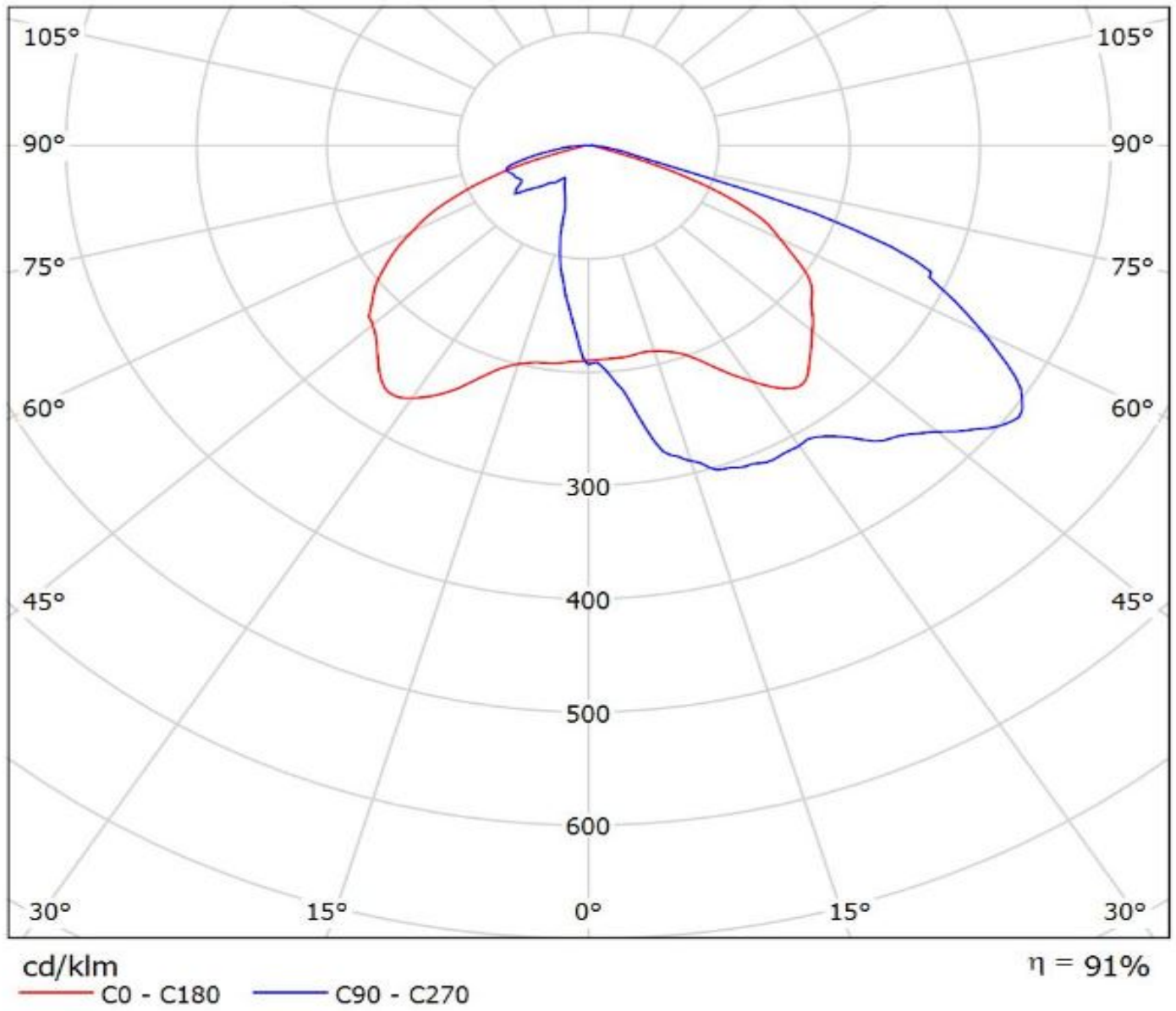
— C0 - C180    — C90 - C270

$\eta = 97\%$

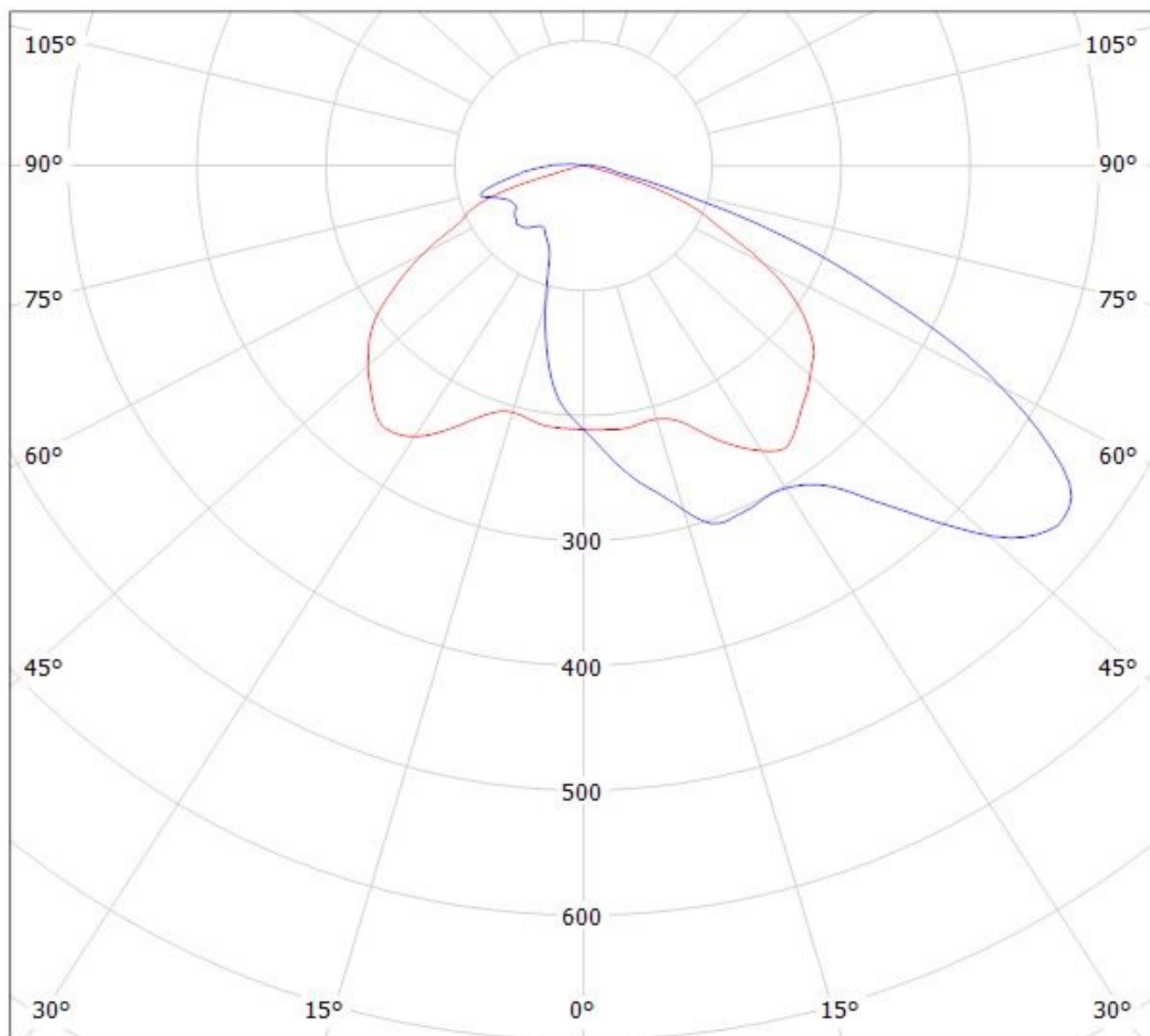
## Ledil C13805\_STRADA-2X2-T4\_(TL1L4) / LDC (Polar)

Luminaire: Ledil C13805\_STRADA-2X2-T4\_(TL1L4)

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



Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4576.03lm@700mA\_P=32.0681W\_I=0.700A

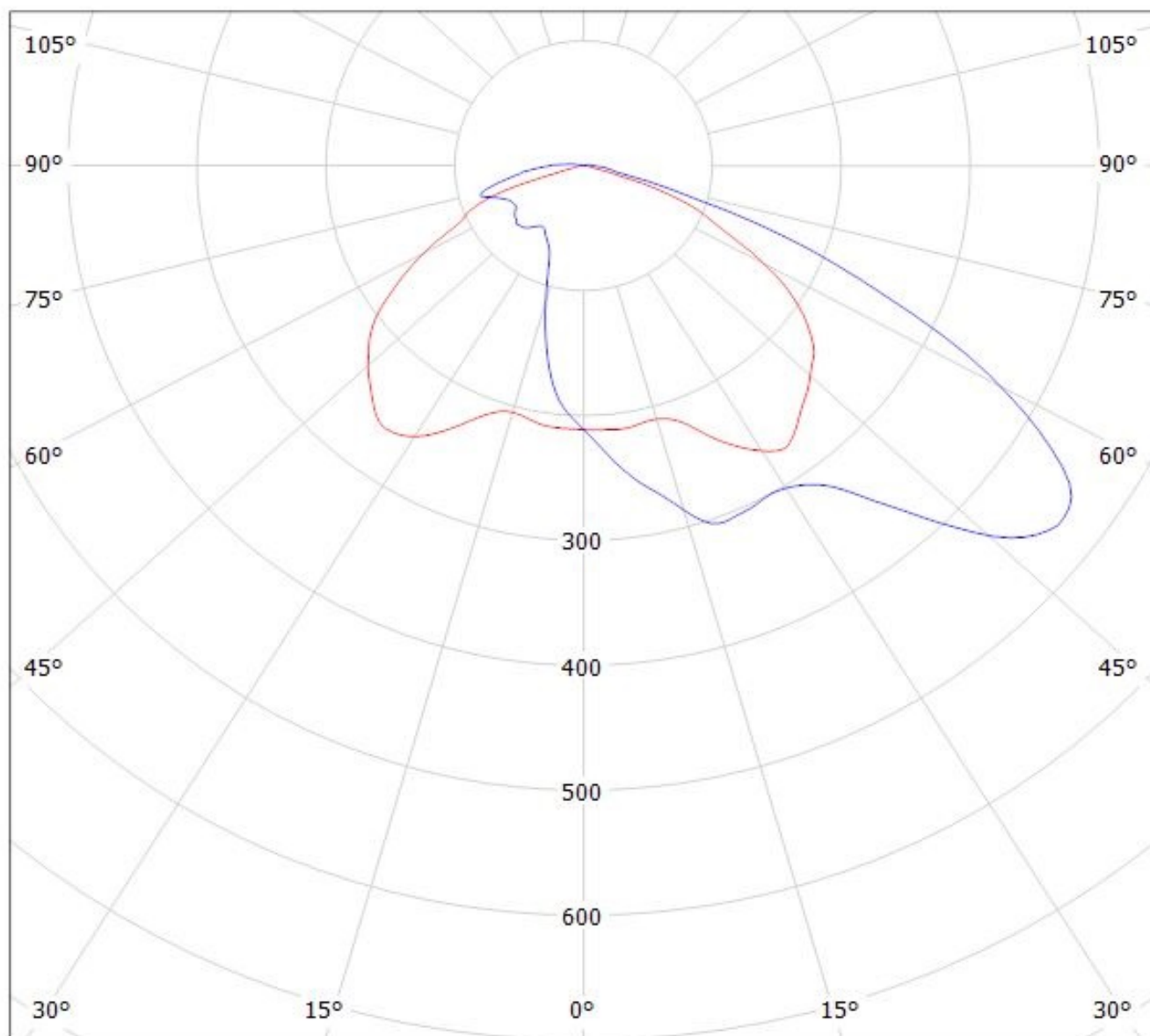


cd/klm

$\eta = 94\%$

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4576.03lm@700mA\_P=32.0681W\_I=0.700A

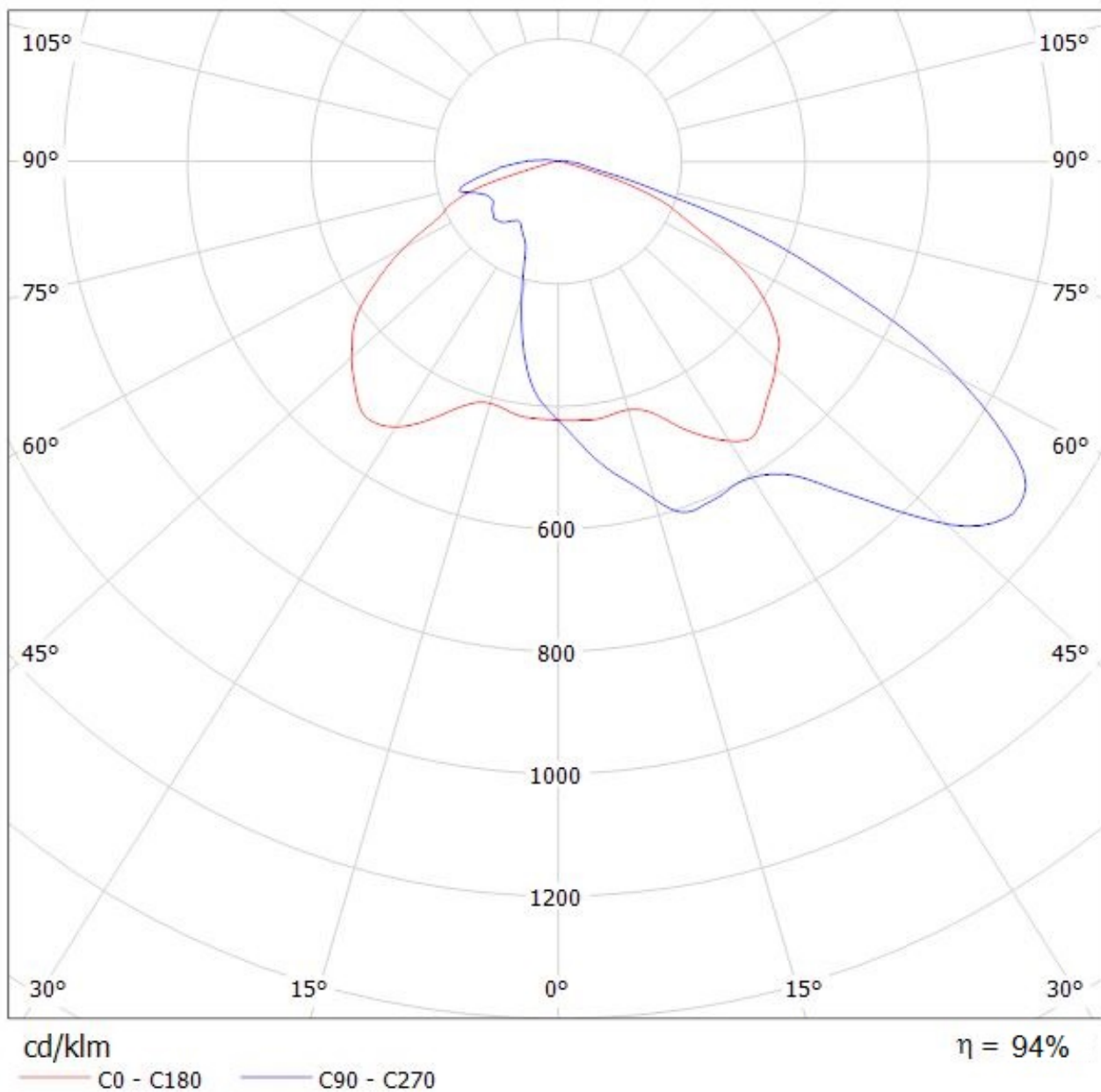


cd/klm

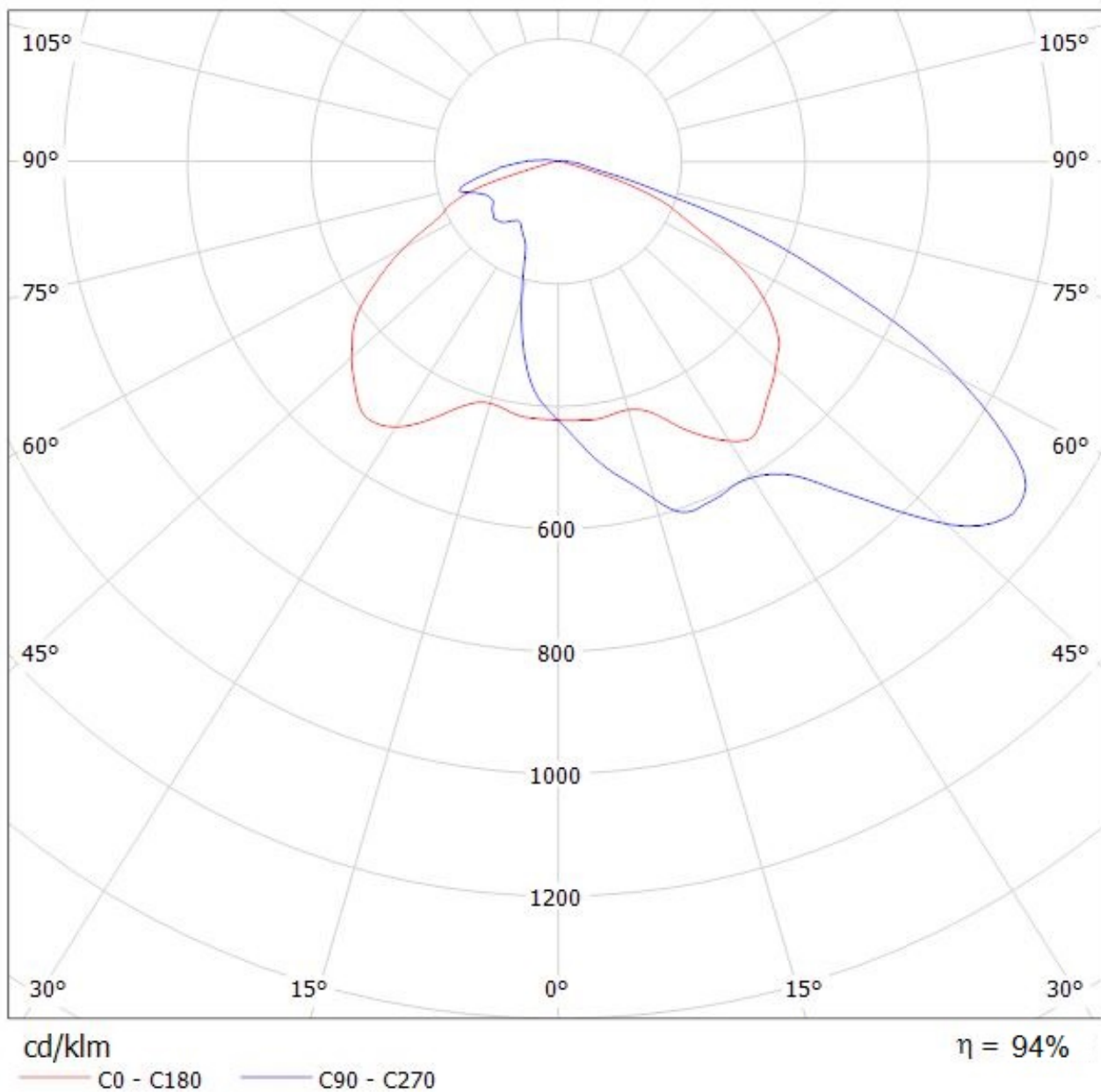
$\eta = 94\%$

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A



Luminaire: LEDiL Oy C13805\_STRADA-2X2-T4\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A



**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.**