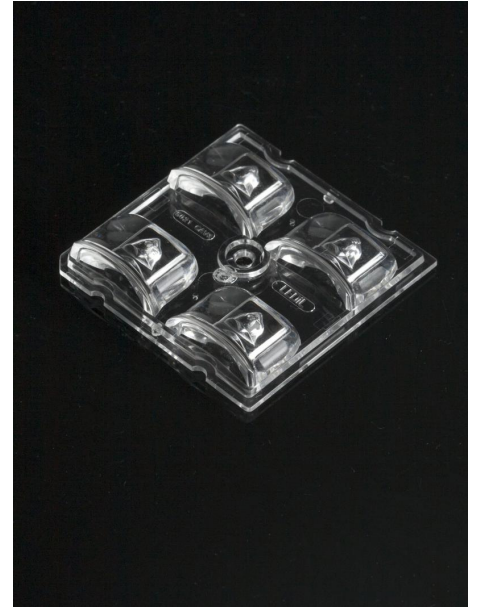


## DETAILS

<b>Product Number</b>	C15021_STRADA-2X2-SCL
<b>Family</b>	Strada
<b>Type</b>	Lens
<b>Color</b>	clear
<b>Diameter</b>	50 mm
<b>Height</b>	7,8 mm
<b>Style</b>	square
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	screw, pin
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	21/04/2016



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
SMD 5050	Asymmetric deg	Streetligh...	94 %	0.630	-
XB-H	sim: Asymmetri	Streetligh...	-	-	-
XHP35 HD	sim: Asymmetri	Streetligh...	-	-	-
XM-L2	sim: Asymmetri	Streetligh...	-	-	-
XP-L	Asymmetric deg	Streetligh...	94 %	0.900	-
XP-L HI	sim: Asymmetri	Streetligh...	-	-	-
XT-E	sim: Asymmetri	Streetligh...	-	-	-
XP-L	Asymmetric deg	Streetligh...	78 %	0.550	Undefined Manufacturer: Protective Plate, Glass
XP-G2	Asymmetric deg	Streetligh...	94 %	1.200	-
XP-L2	Asymmetric deg	Streetligh...	94 %	0.750	-
XP-G3	sim: Asym	Streetligh...	sim: 90 %	sim: 0.760	-
H35C1 (LEMWA33)	sim: Asymmetri	Streetligh...	sim: 91 %	sim: 0.740	-
H35C1 (LEMWA33)	Asymmetric deg	Streetligh...	94 %	1.100	-
LUXEON 5258	sim: Asymmetri	Streetligh...	-	-	-
LUXEON TX	Asymmetric deg	Streetligh...	94 %	1.040	-
LUXEON 5050	Asymmetric deg	Streetligh...	94 %	0.660	-
NVSxx19B/NVSxx19C	sim: Asymmetri	Streetligh...	-	-	-
NVSxE21A	asym deg	Streetligh...	94 %	0.380	-
NVSW3x9A	Asymmetric deg	Streetligh...	94 %	0.930	-
Duris S8	sim: Asym	Streetligh...	sim: 92 %	sim: 0.620	-
Oslon Square PC	Asymmetric deg	Streetligh...	94 %	0.900	-
Oslon Square Gen3	Asymmetric deg	Streetligh...	94 %	1.100	-
Fortimo FastFlex LED board 2x8 DA G4	Asymmetric deg	Streetligh...	94 %	1.000	-
Fortimo FastFlex LED board 2x8 DAX G4	sim: Asymmetri	Streetligh...	sim: 90 %	sim: 0.760	-
LH351B	Asymmetric deg	Streetligh...	94 %	0.860	-



# PRODUCT DATASHEET

## Strada series

last update 21/4/2016

### OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
LH351D	Asymmetric deg	Streetligh...	93 %	0.740	-
LH351C	Asymmetric deg	Streetligh...	94 %	0.900	-
LH508A	Asymmetric deg	Streetligh...	94 %	0.700	-
Z5M1/Z5M2	sim: Asymmetri	Streetligh...	-	-	-
Z8Y22P	Asymmetric deg	Streetligh...	94 %	0.960	-
TL1L4	sim: Asymmetri	Streetligh...	-	-	-
RLE G1 49x223mm 4000lm xxx EXC OT	Asymmetric deg	Streetligh...	94 %	0.900	-
RLE G1 49x245mm 4000lm xxx EXC OT	Asymmetric deg	Streetligh...	94 %	0.900	-
RLE G1 49x121mm 2000lm xxx EXC OT	Asymmetric deg	Streetligh...	94 %	0.900	-
RLE G1 49x133mm 2000lm xxx EXC OT	Asymmetric deg	Streetligh...	94 %	0.900	-

D

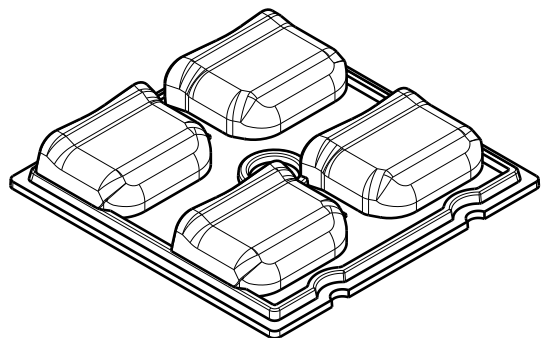
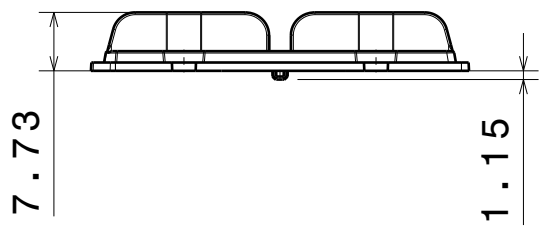
C

B

A

4

4



Front view

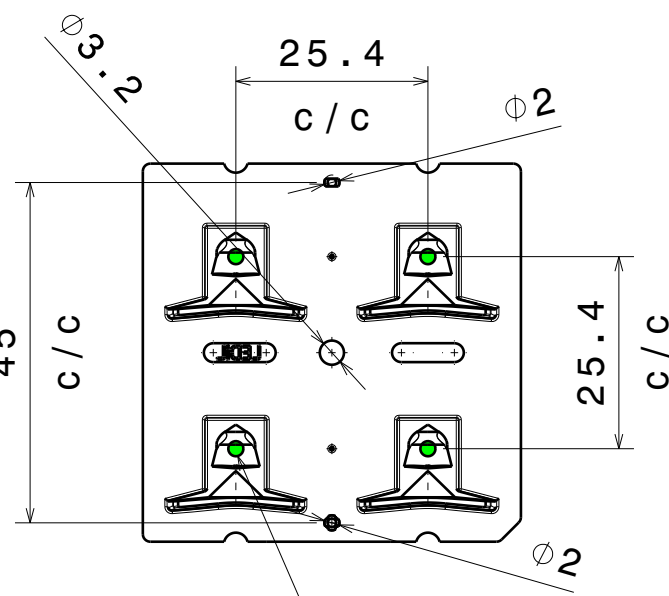
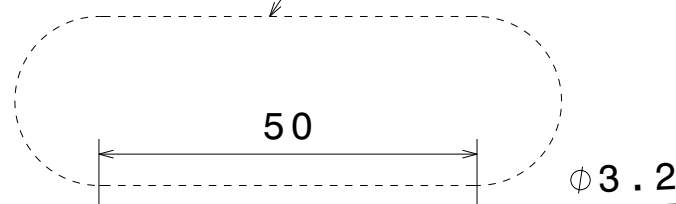
Isometric view

Scale: 1:1

Beam direction

3

3



Top view

Bottom view

LED middle position

2

2

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C15021	STRADA-2X2-SCL	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** Ledil Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**C15021\_STRADA-2X2-SCL**

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SIZE	PART NUMBER
A4	C15021

SCALE	1:1	WEIGHT	9,35 g	SHEET	1/1
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1

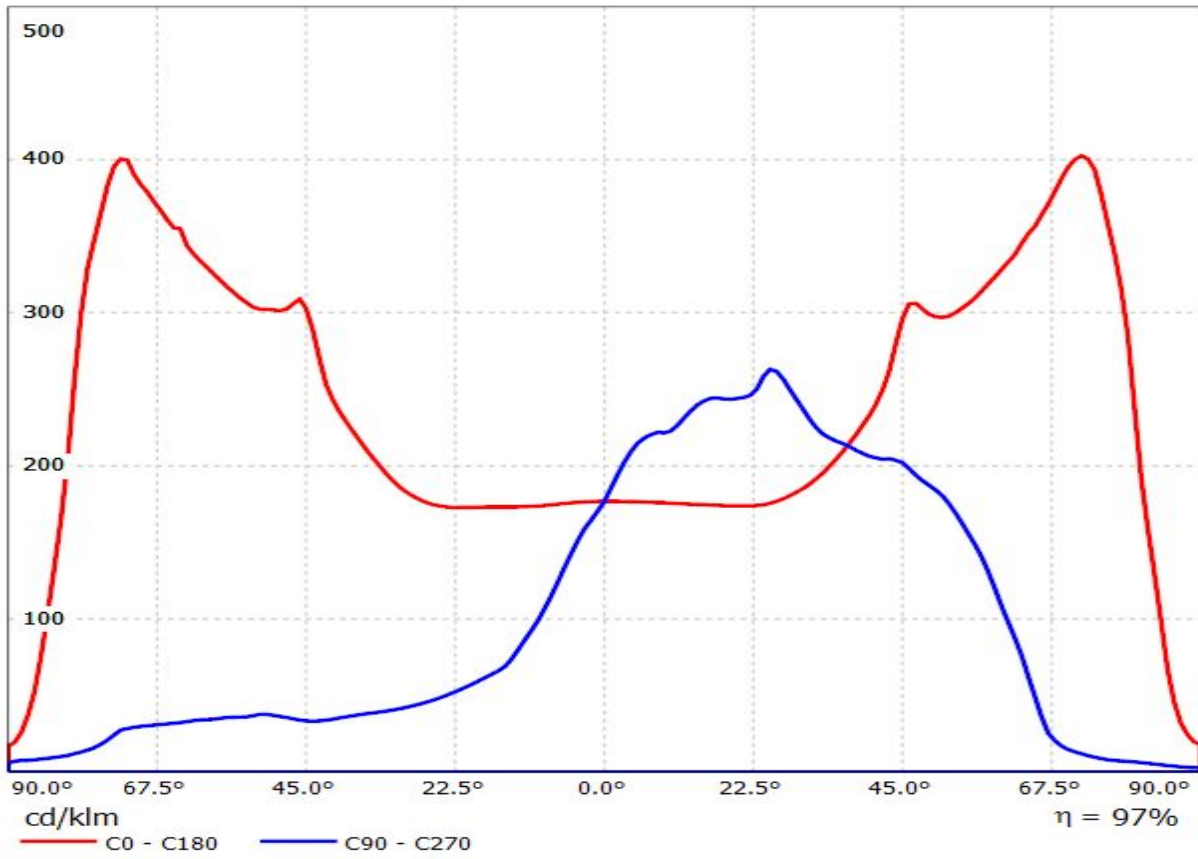
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D

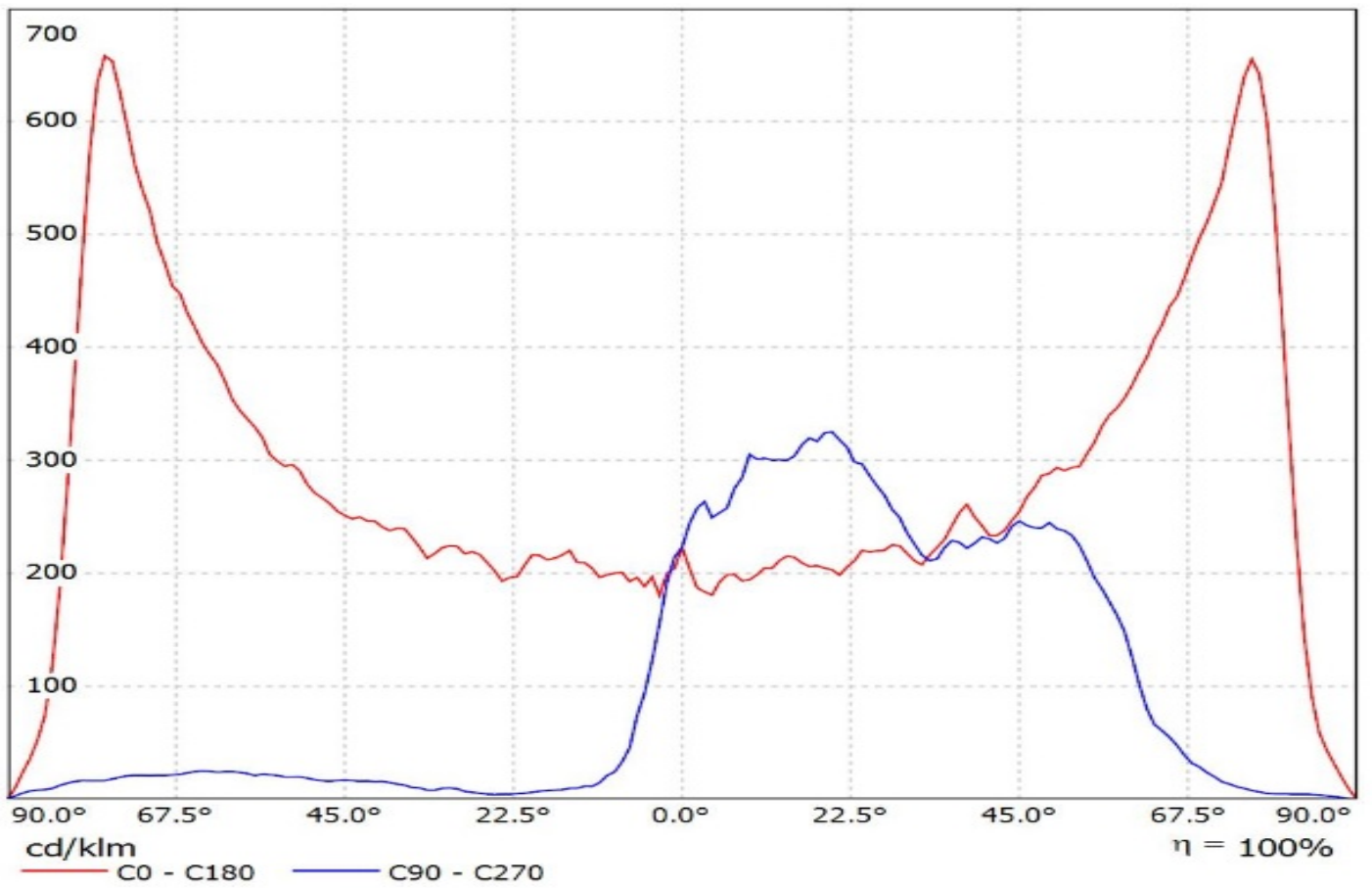
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Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(Bridgelux\_5050\_Gen2)

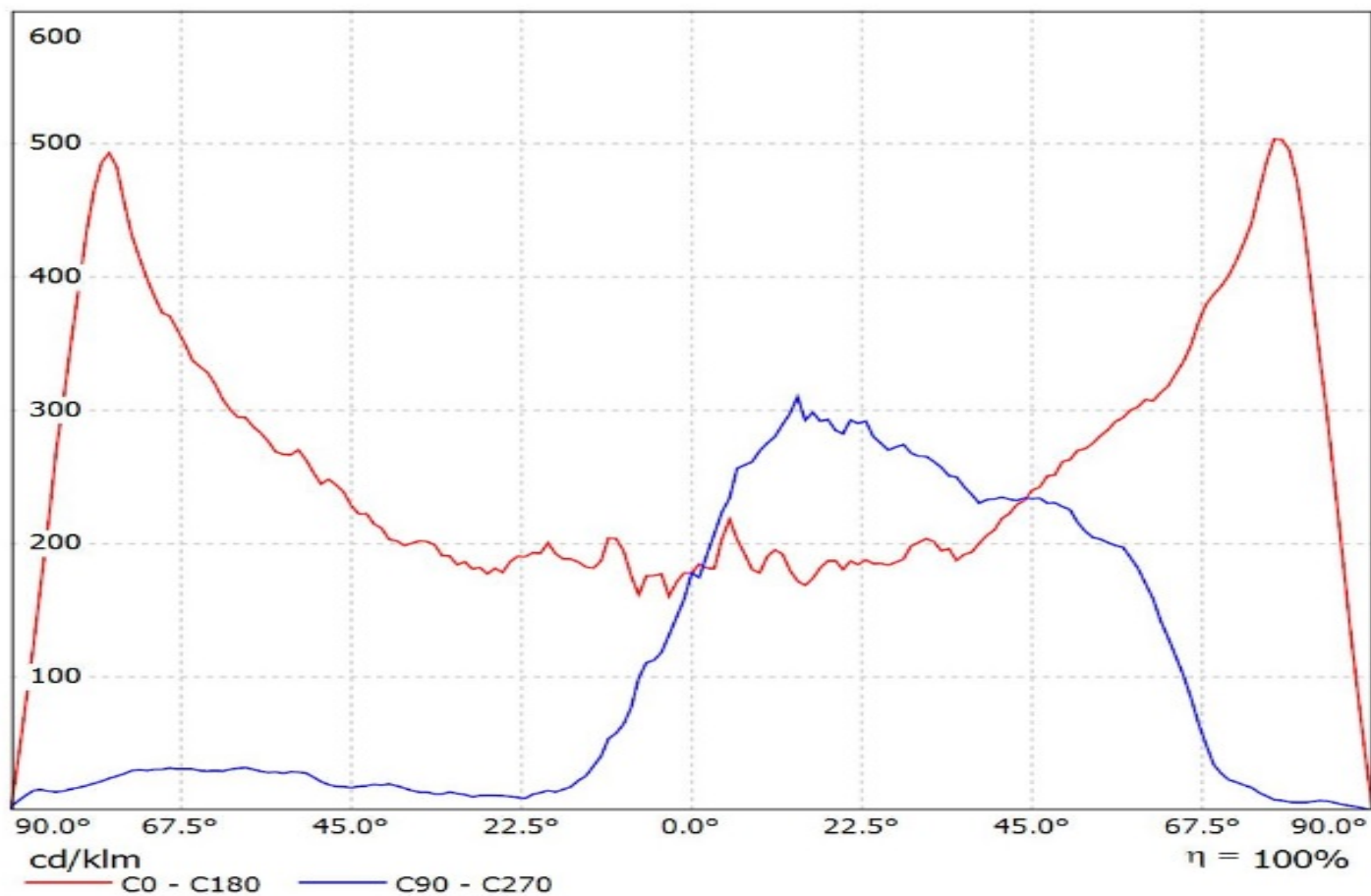
Lamps: 1 x Bridgelux\_5050\_Gen2\_2x2\_(BXEP-57C-435-09B)\_1447.45lm@250mA\_CCT=5700K\_P=8.29761W\_I=0.25A



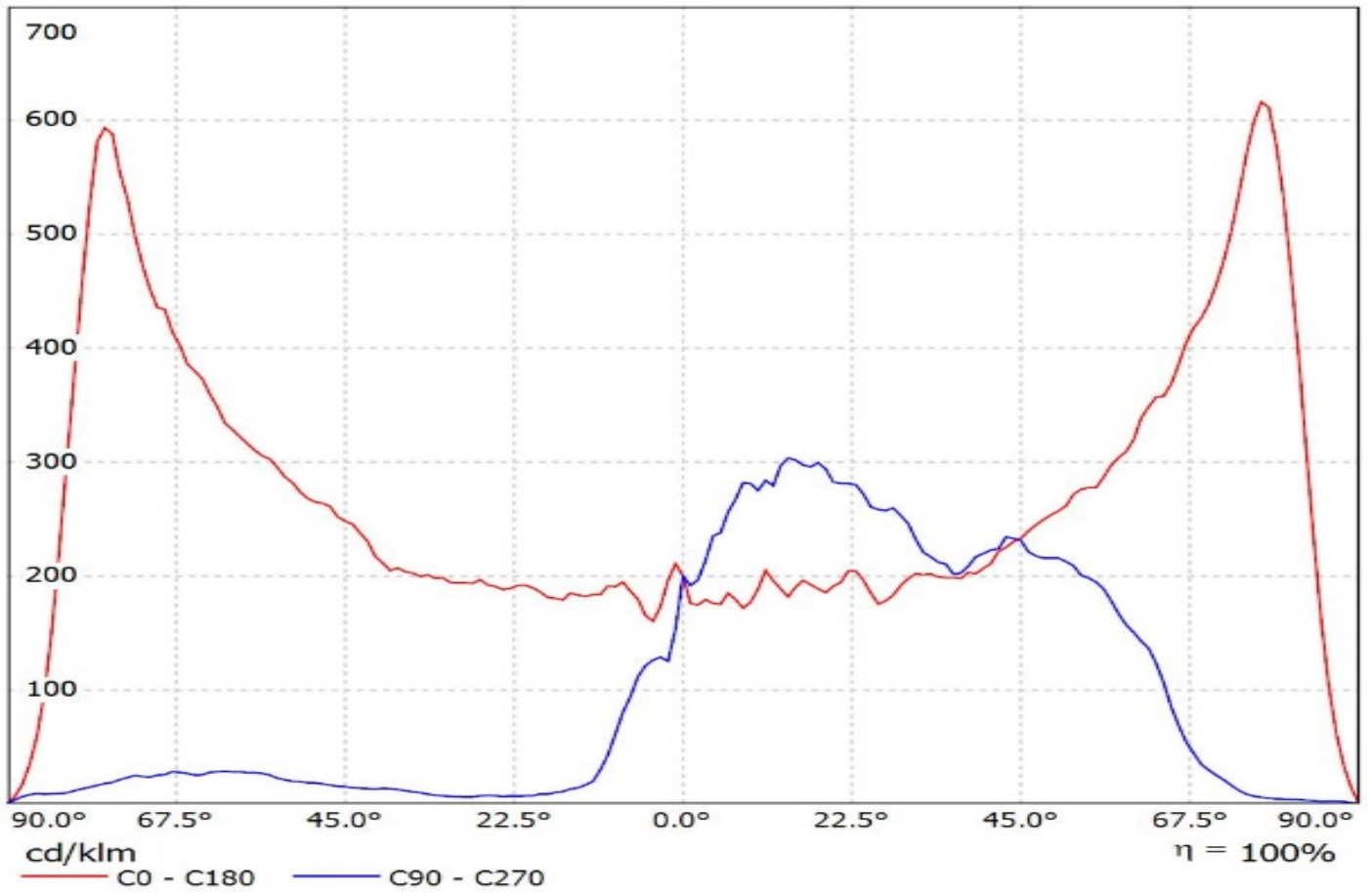
Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Cree\_XB-H  
Lamps: 1 x



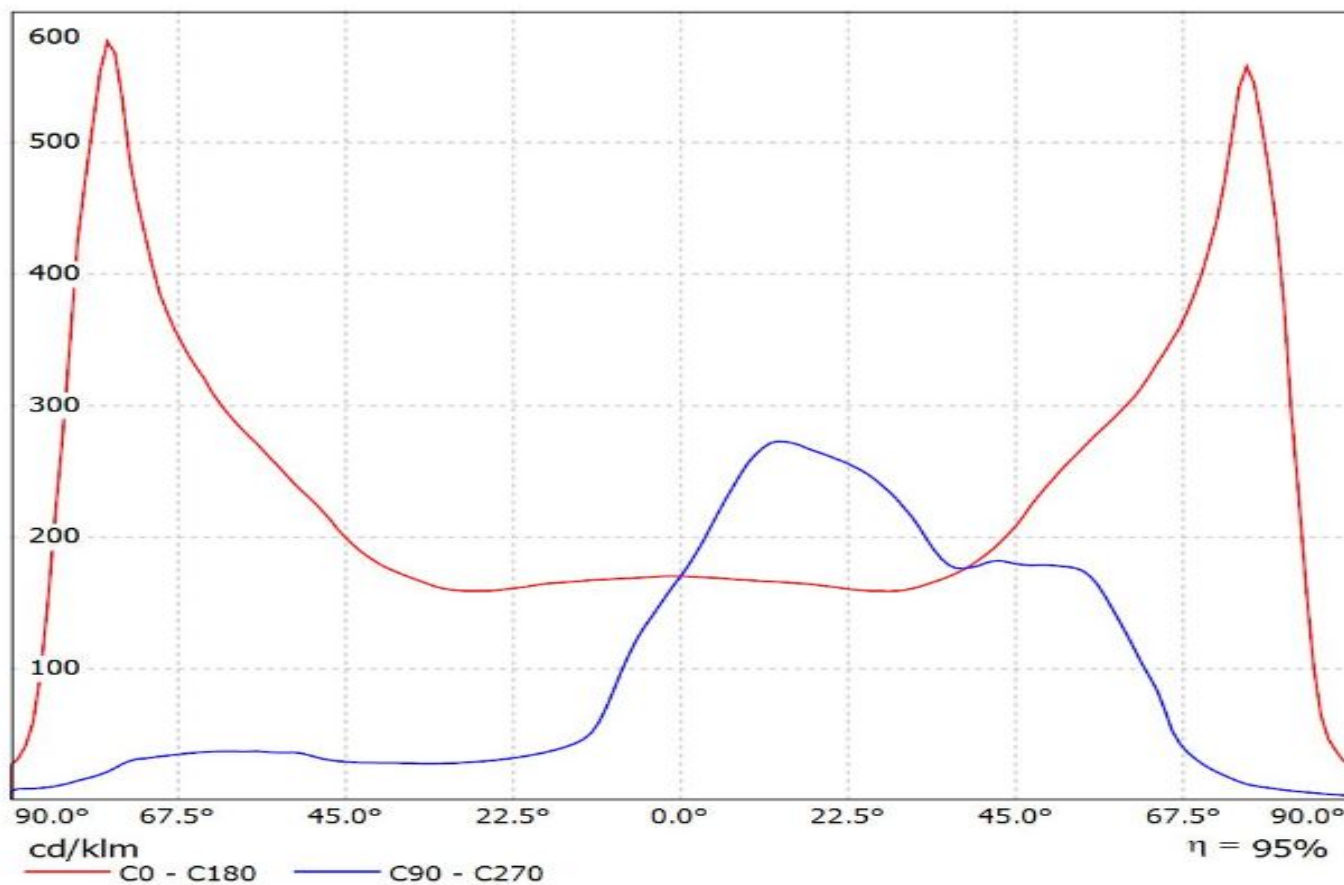
Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Cree\_XHP35  
Lamps: 1 x



Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Cree\_XM-L2  
Lamps: 1 x

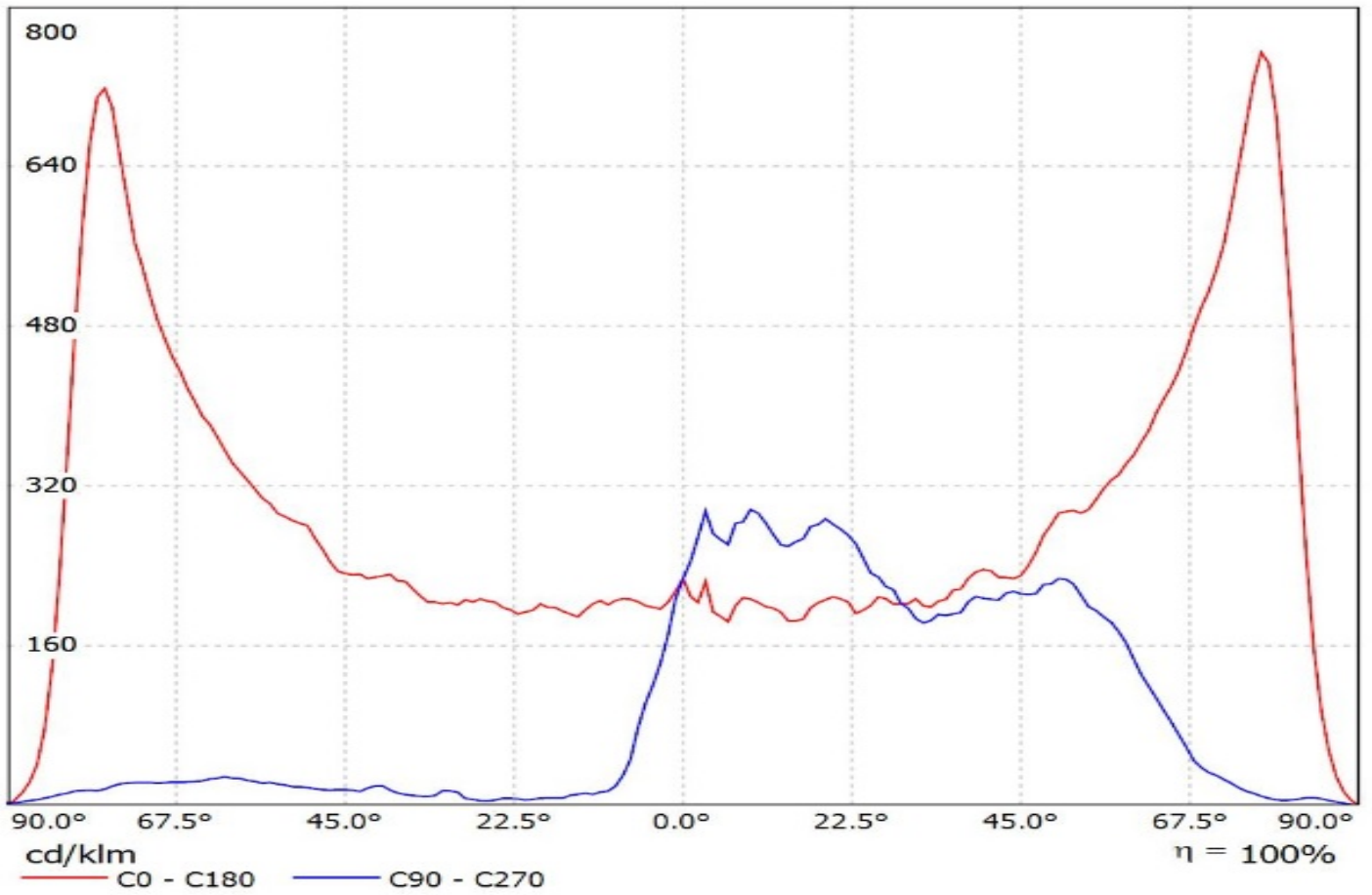


Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(XP-L)  
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)  
\_508.286lm@250mA\_CCT=7600K\_P=2.8173W\_I=0.25A

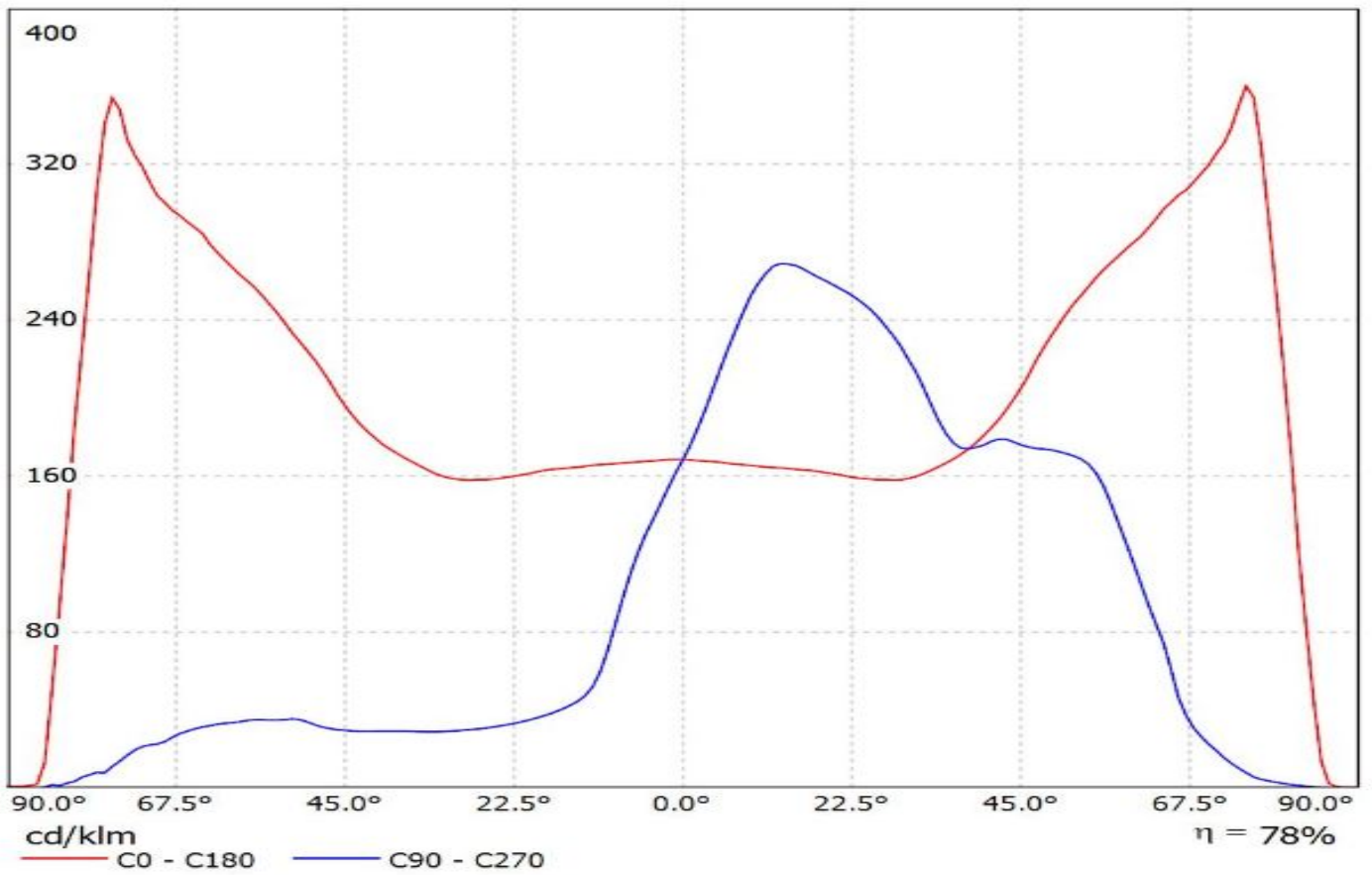




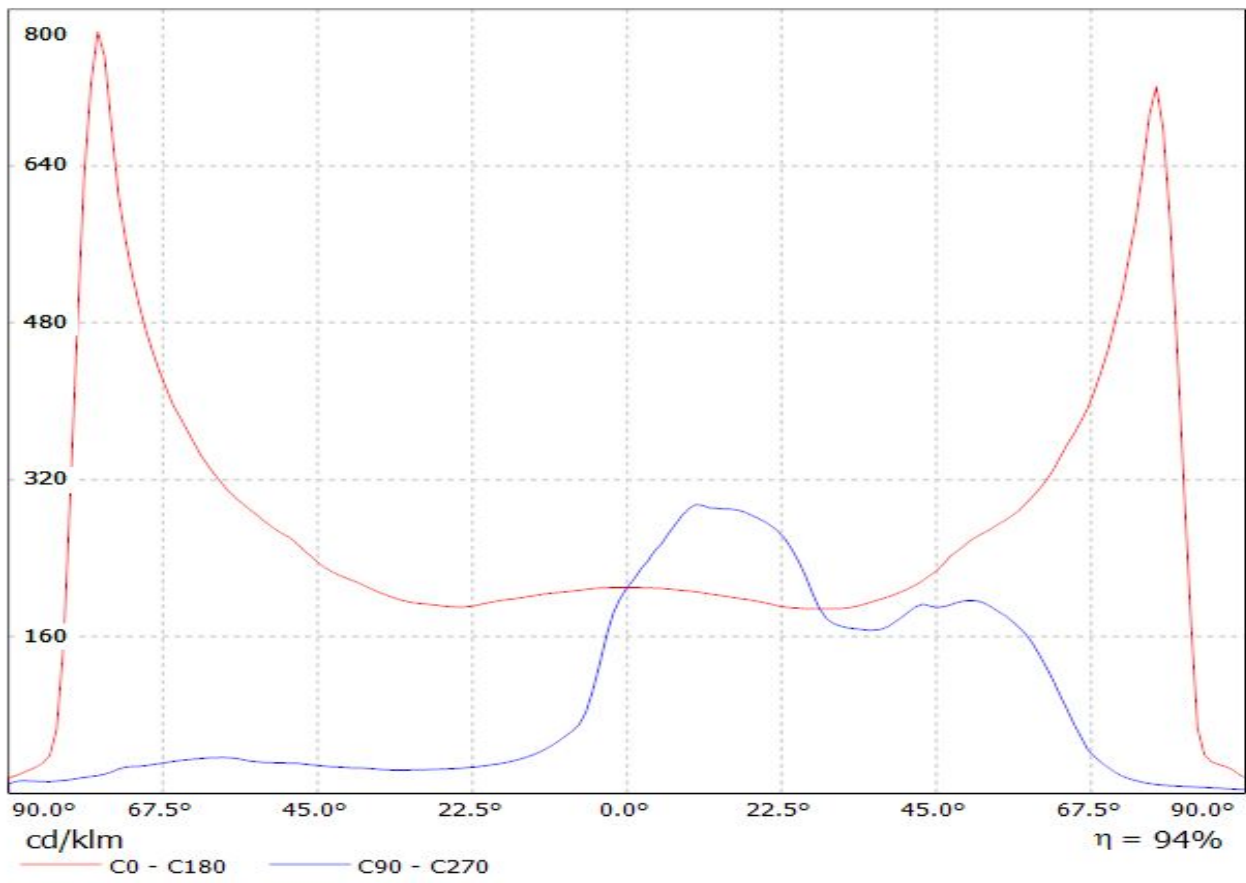
Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Cree\_XP-L-HI  
Lamps: 1 x



Luminaire: Ledil C15021\_STRADA-2X2-SCL (XP-L)\_glass  
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)  
\_508.286lm@250mA\_CCT=7600K\_P=2.8173W\_I=0.25A

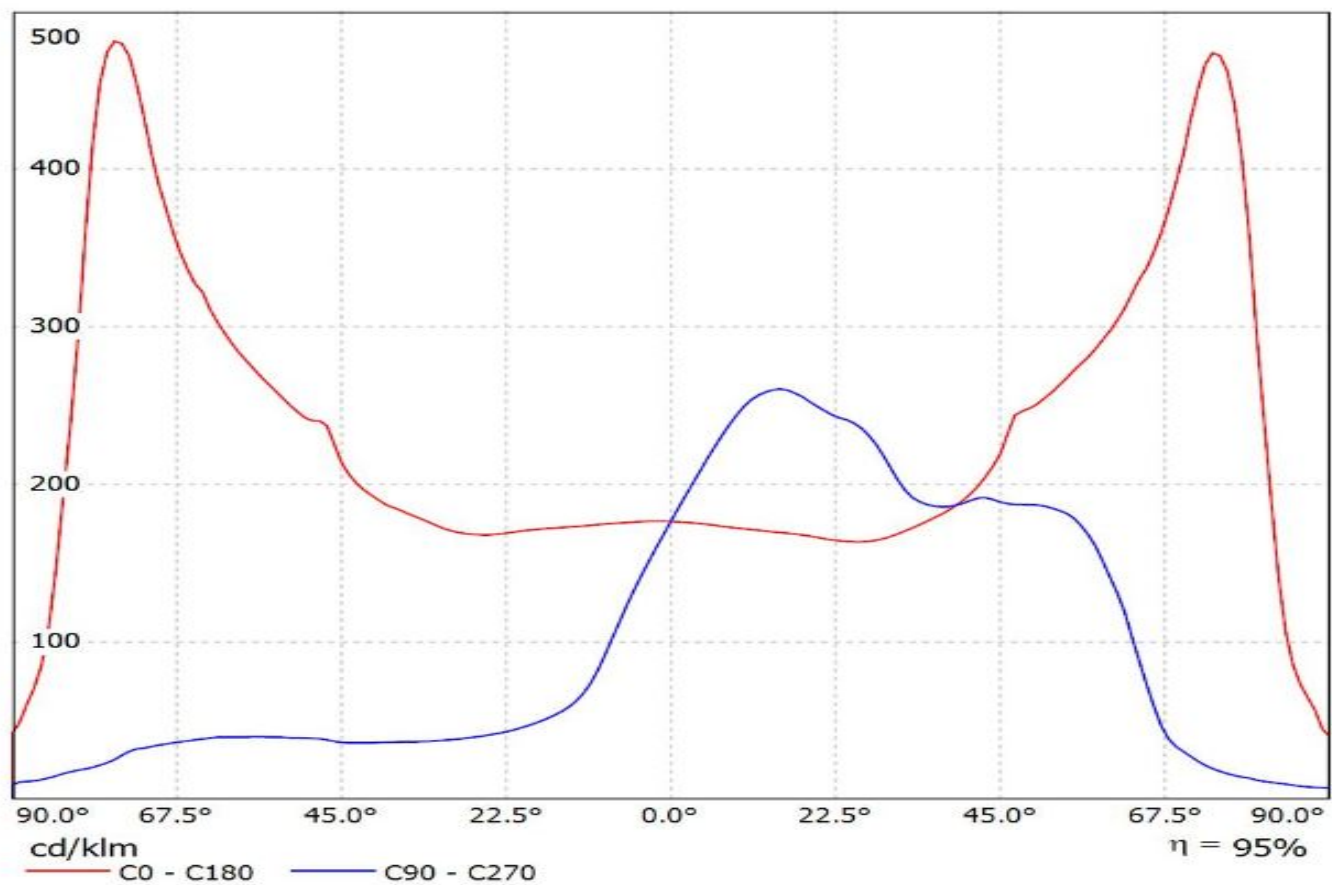


Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(XP-G2)  
Lamps: 1 x Cree\_XP-G2\_(XPGBWT-L1-000-00-G51)\_409.845lm@250mA\_P=2.94464\_I=0.250A

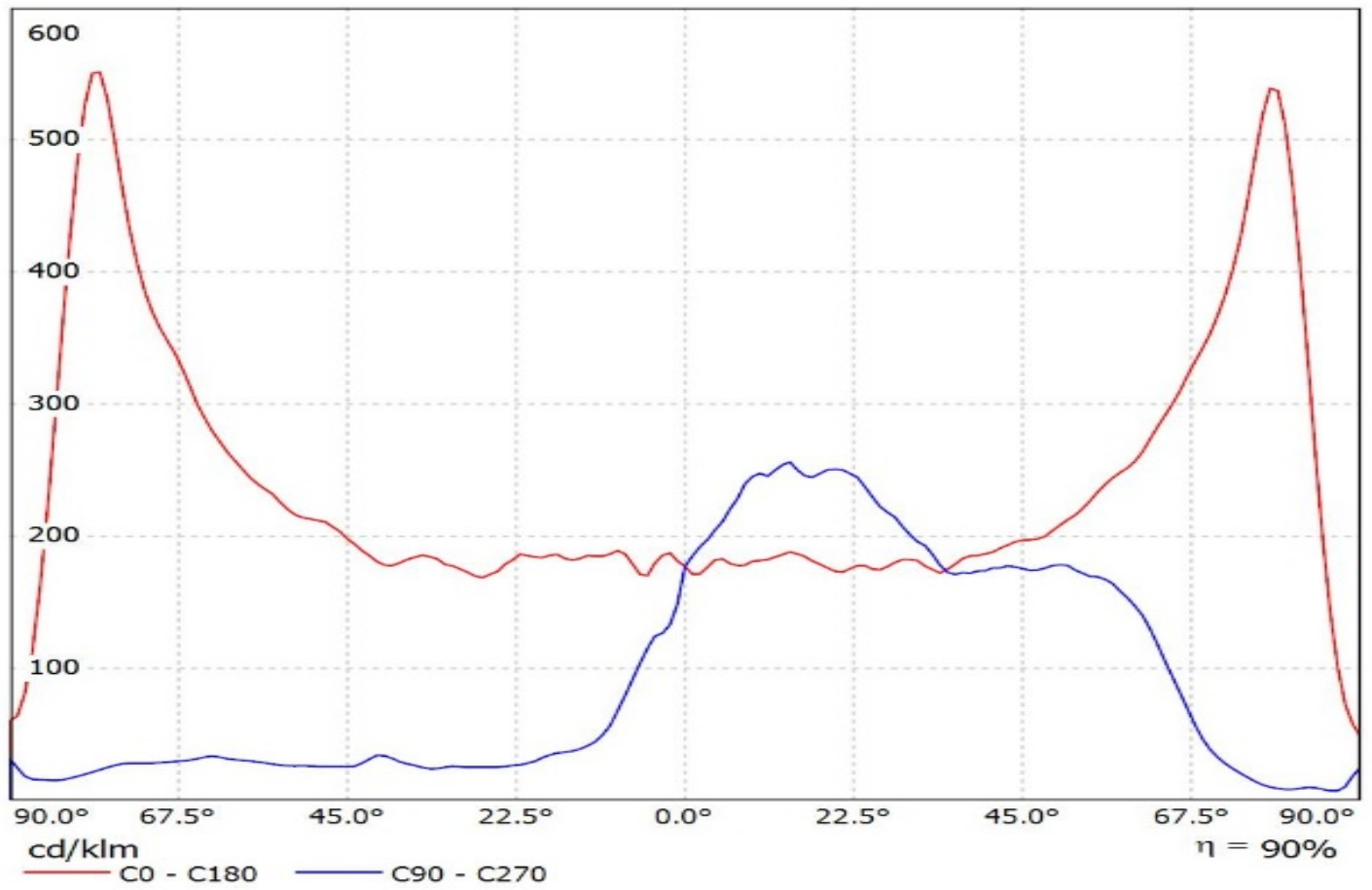


Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(XP-L2)

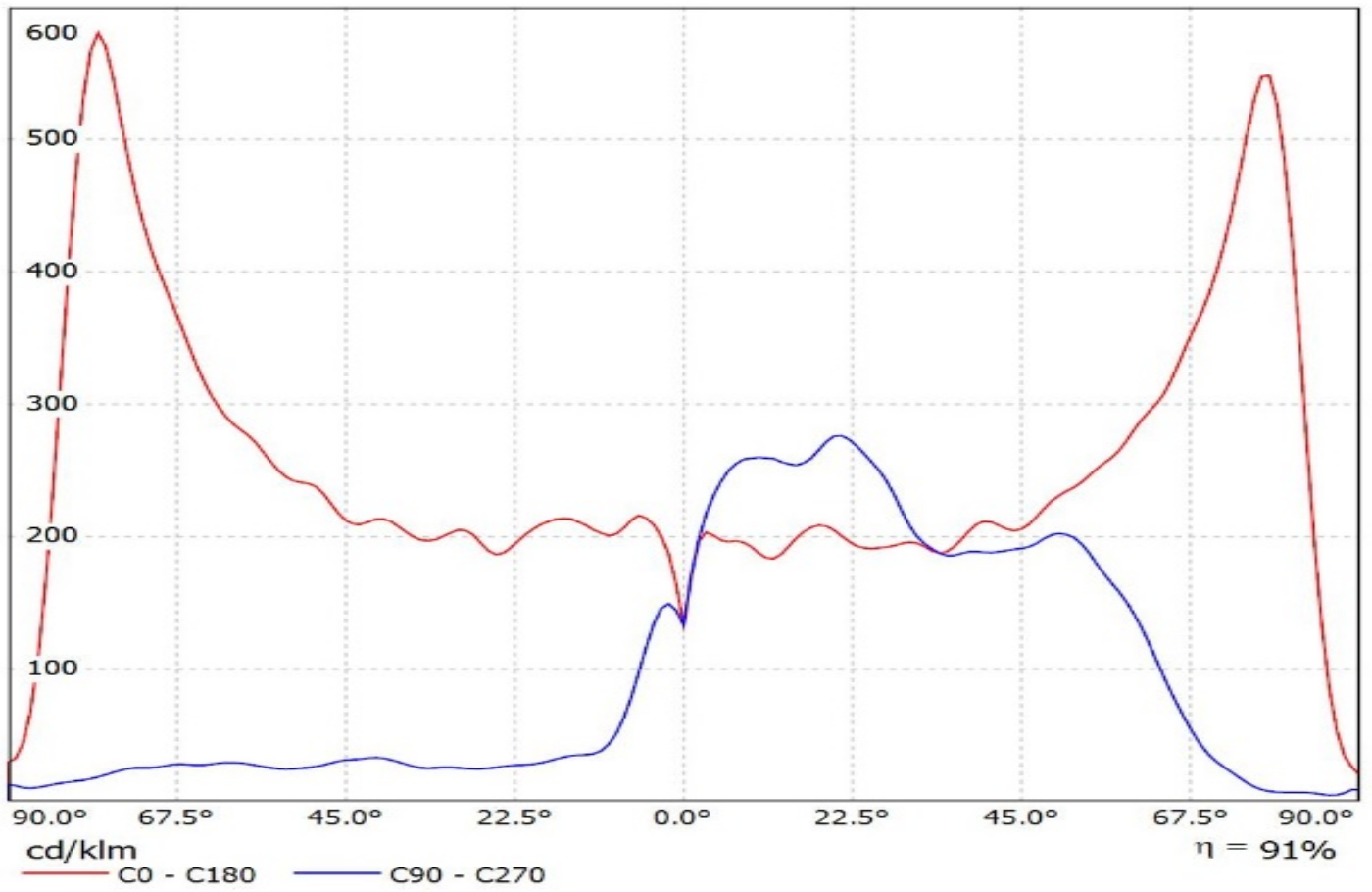
Lamps: 1 x Cree\_XP-L2\_2x2\_(XPLBWT-00-0000-000BV50E3)550.93lm@250mA\_P=2.7815W\_I=0.25A



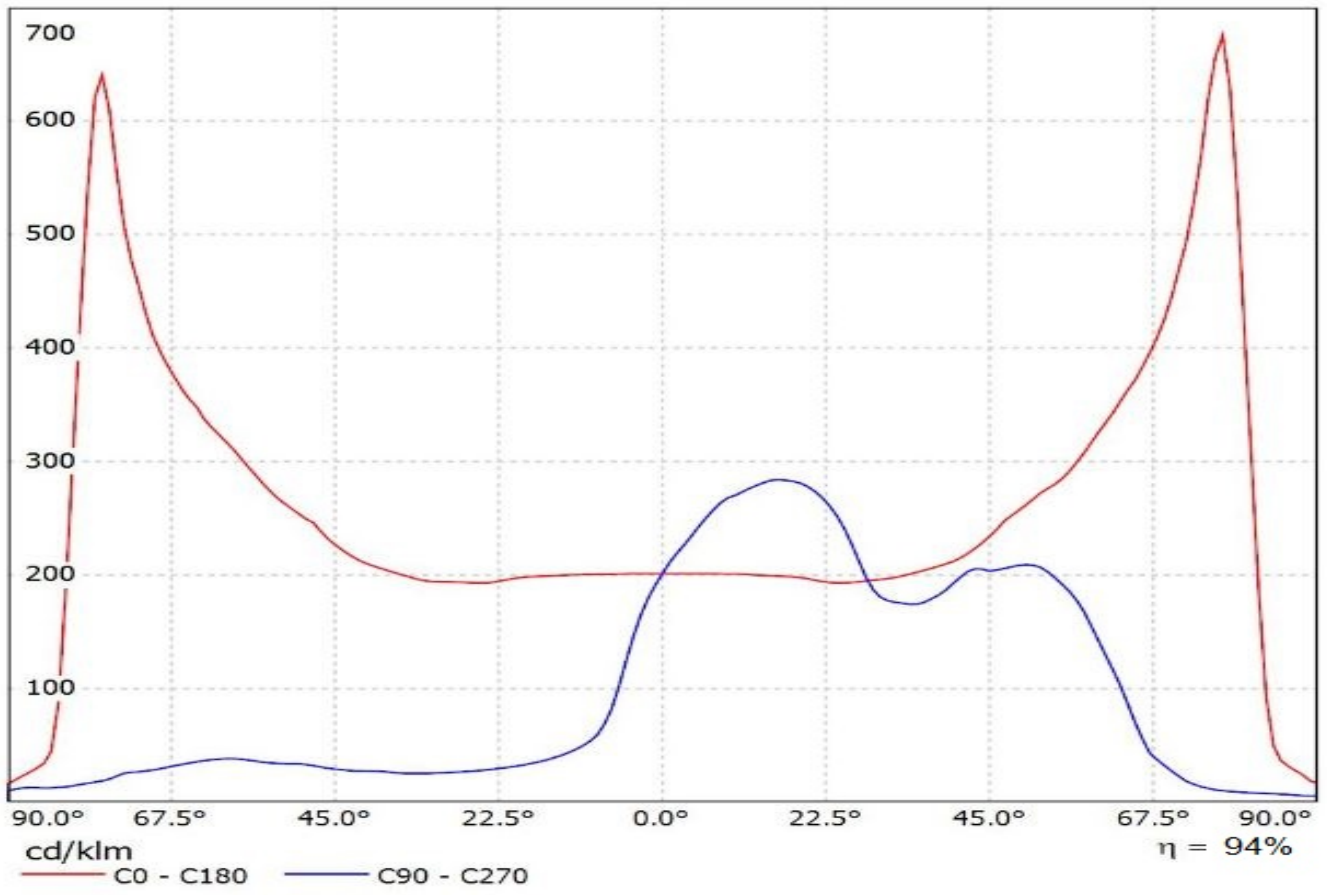
Luminaire: Ledil Oy C15021\_STRADA-2X2-SCL\_(XP-G3)\_SIMULATED  
Lamps: 1 x Cree XP-G3



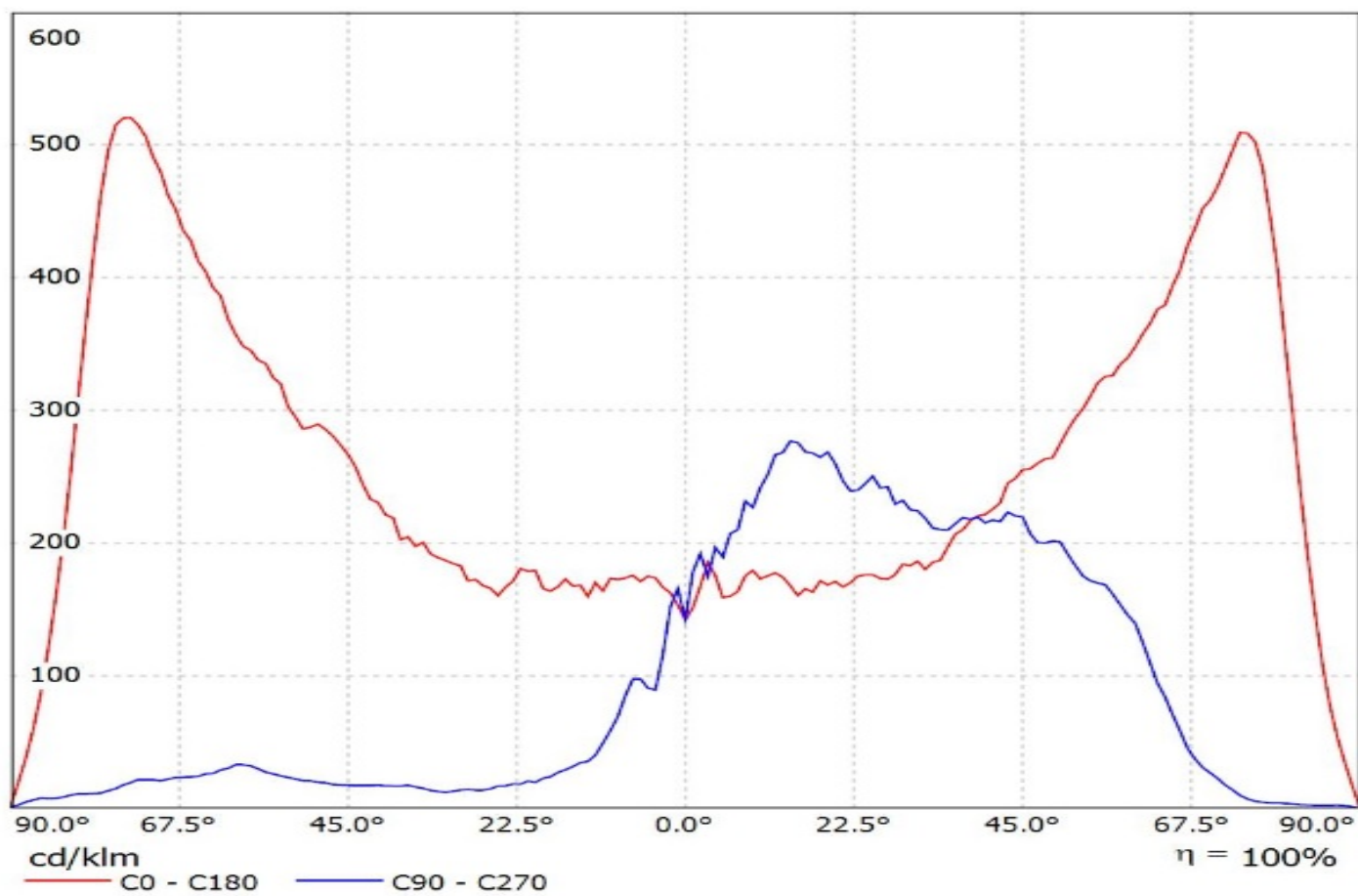
Luminaire: Ledil Oy C15021\_STRADA-2X2-SCL\_(H35C1)\_SIMULATED  
Lamps: 1 x LG H35C1 (CCT=5700K)



Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(H35C1)  
Lamps: 1 x LG\_H35C1\_2x2\_477.216lm@250mA\_P=2.87475W\_I=0.250A

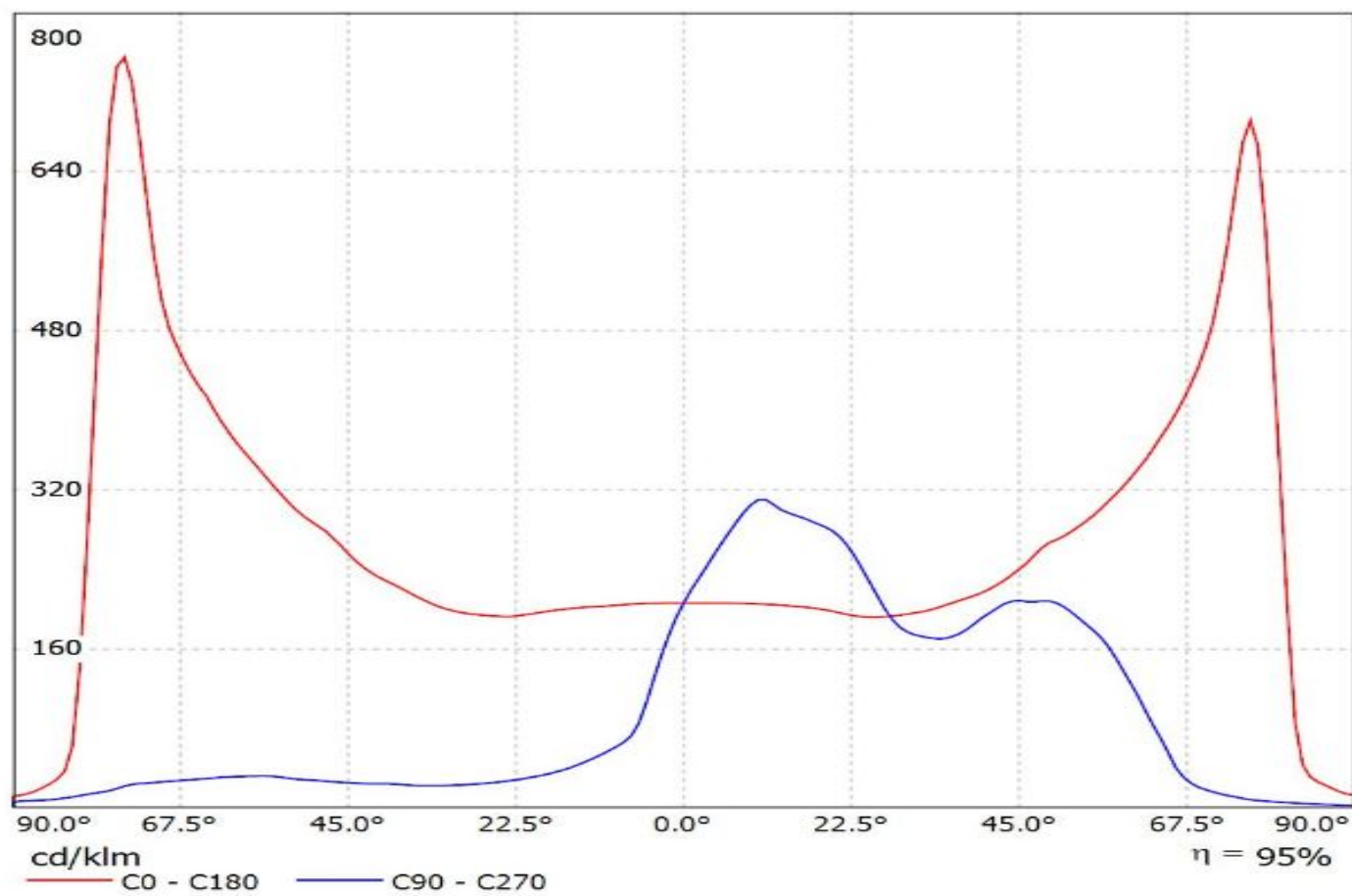


Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Luxeon-5258  
Lamps: 1 x

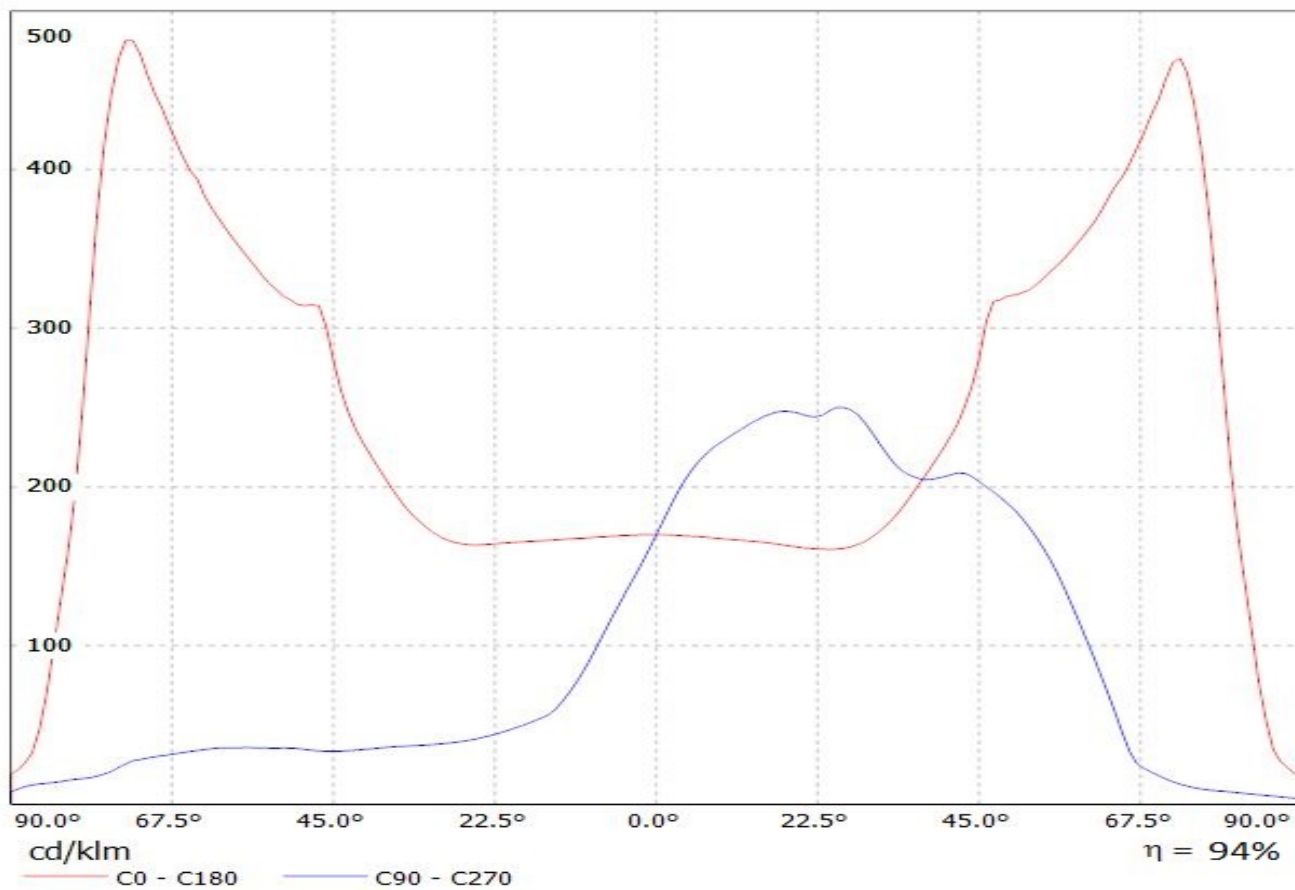




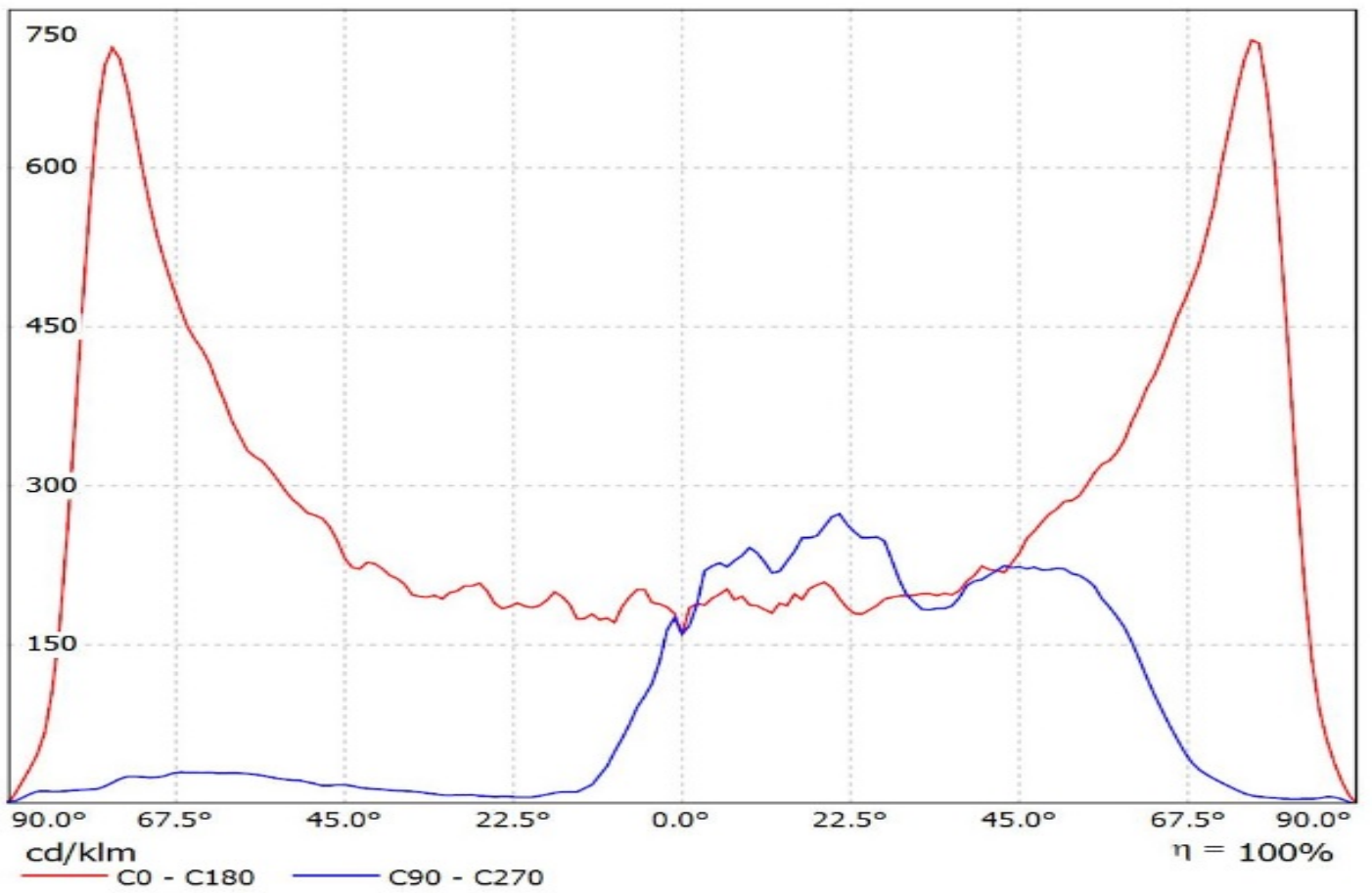
Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(Luxeon\_TX)  
Lamps: 1 x Luxeon\_TX\_(L1T2-3585)\_Im@250mA\_P=W\_I=0.250A



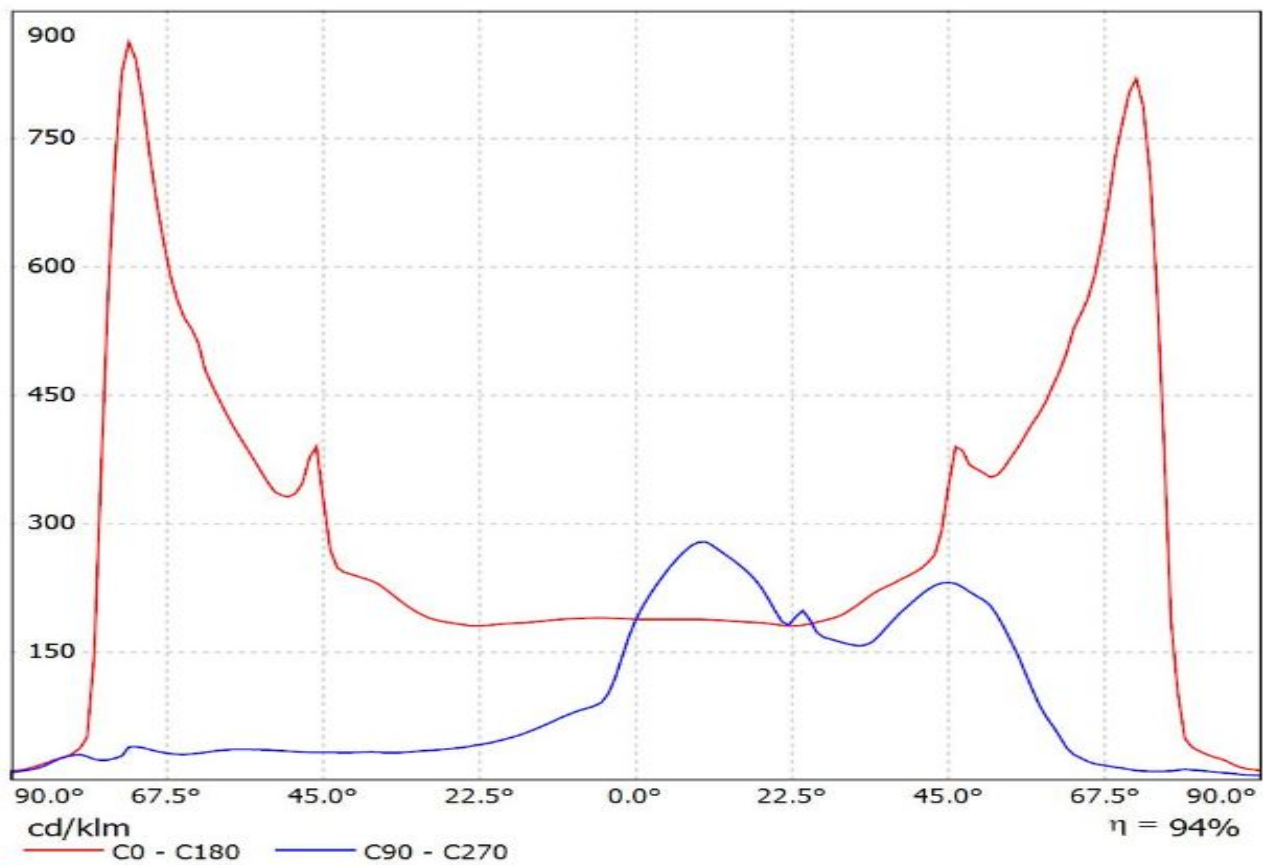
Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(Luxeon\_5050)  
Lamps: 1 x Luxeon\_5050\_2x2\_1270.76lm@80mA\_CCT=5700K\_P=7.35815W\_I=0.080A\_70CRI



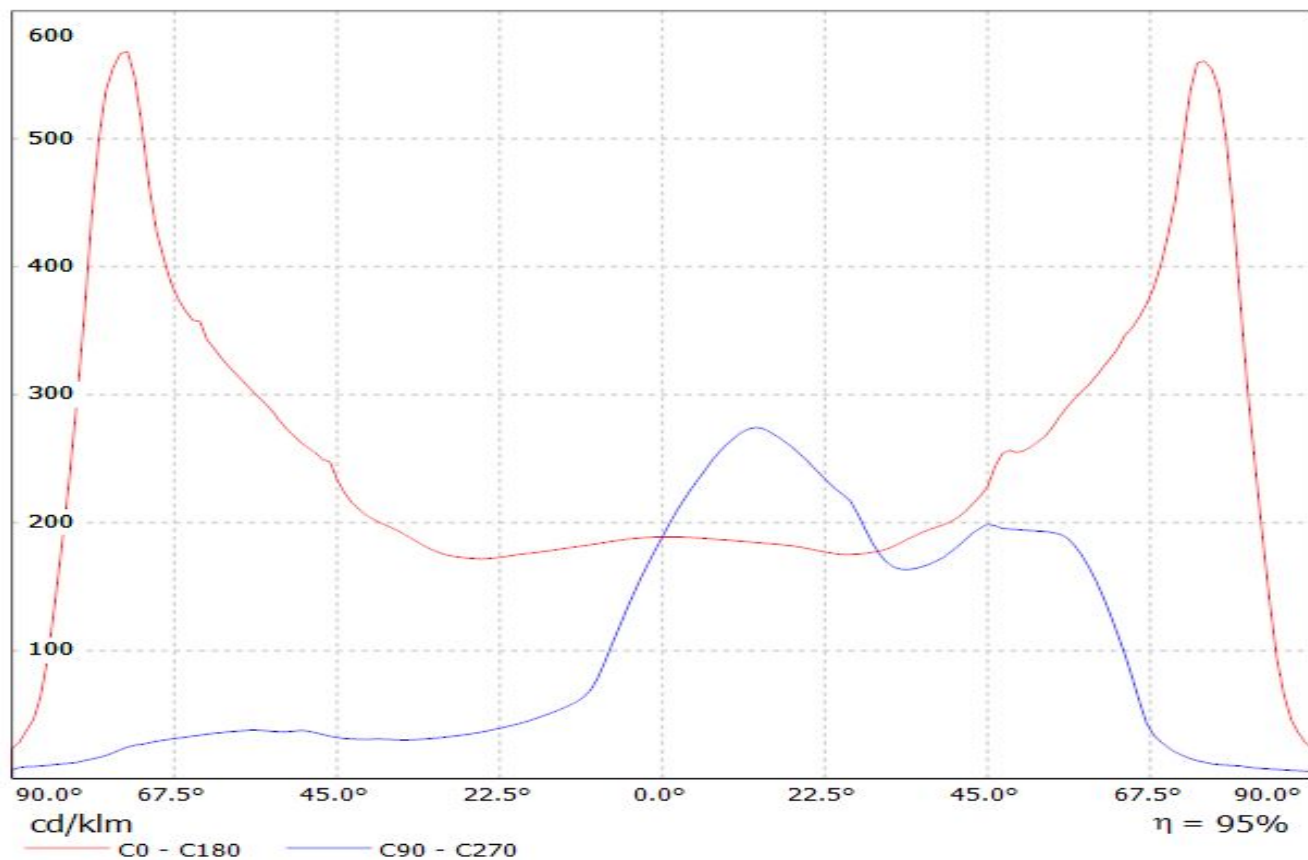
Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Nichia\_NV5xx19C  
Lamps: 1 x



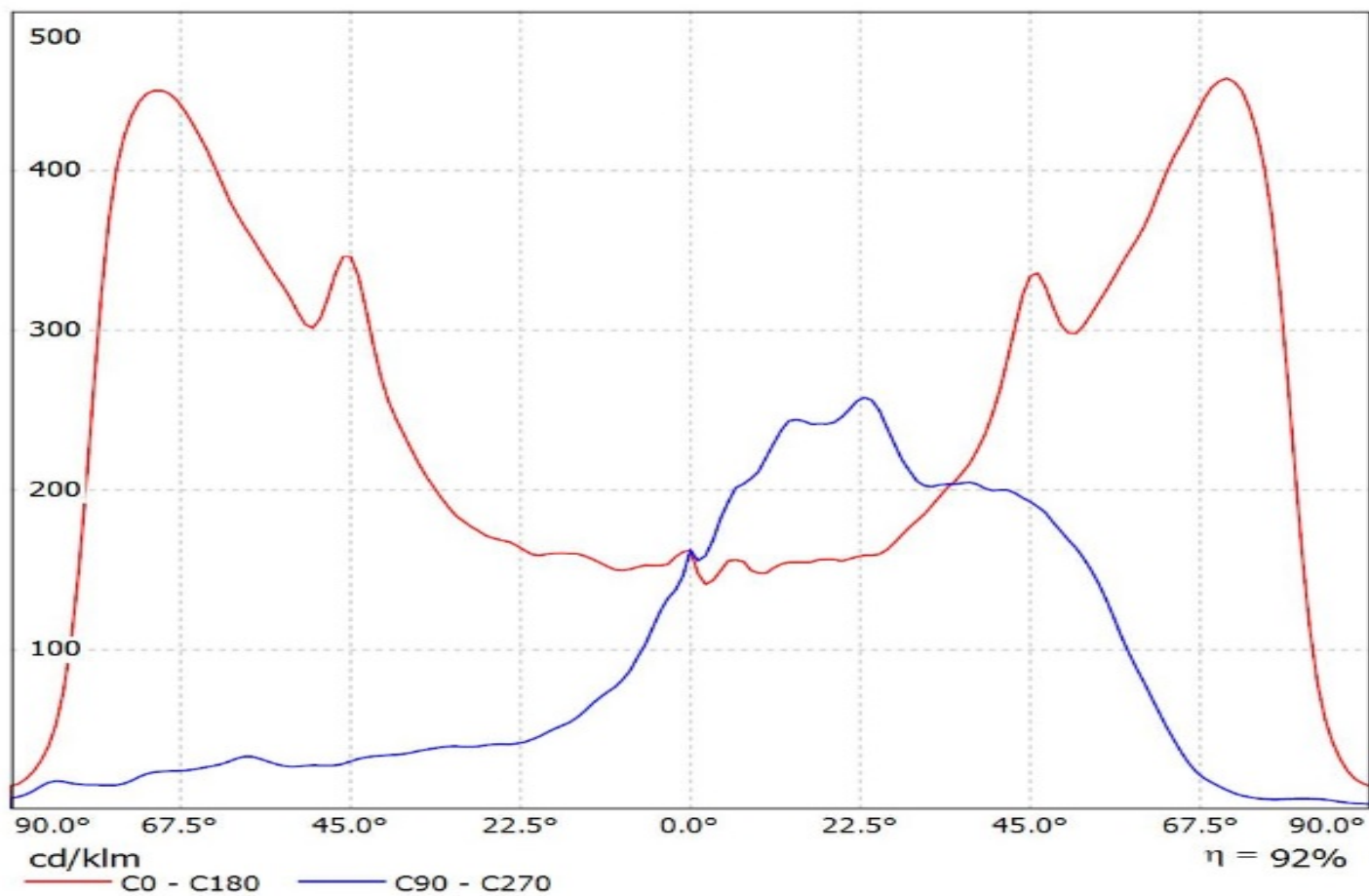
Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(E21A)  
Lamps: 1 x Nichia\_E21A\_452.248lm@250mA\_2.805W\_I=0.250A



Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(NVSW319AE)  
Lamps: 1 x Nichia\_NVSW319AE\_499.093lm@250mA\_P=2.79052W\_I=0.25A

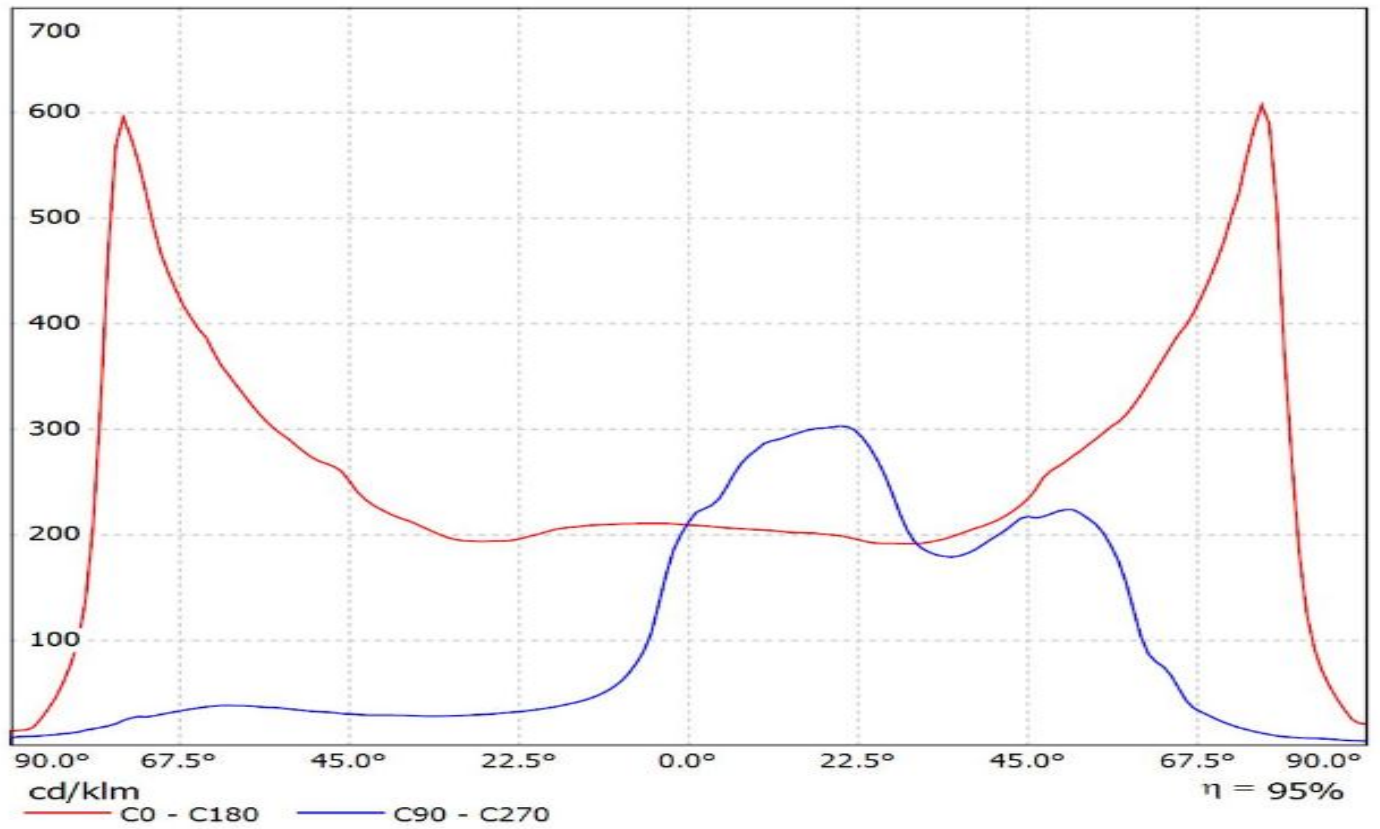


Luminaire: Ledil Oy C15021\_STRADA-2X2-SCL\_(Duris\_S8)\_SIMULATED  
Lamps: 1 x Osram Duris S8 (GW P9LM21.EM)



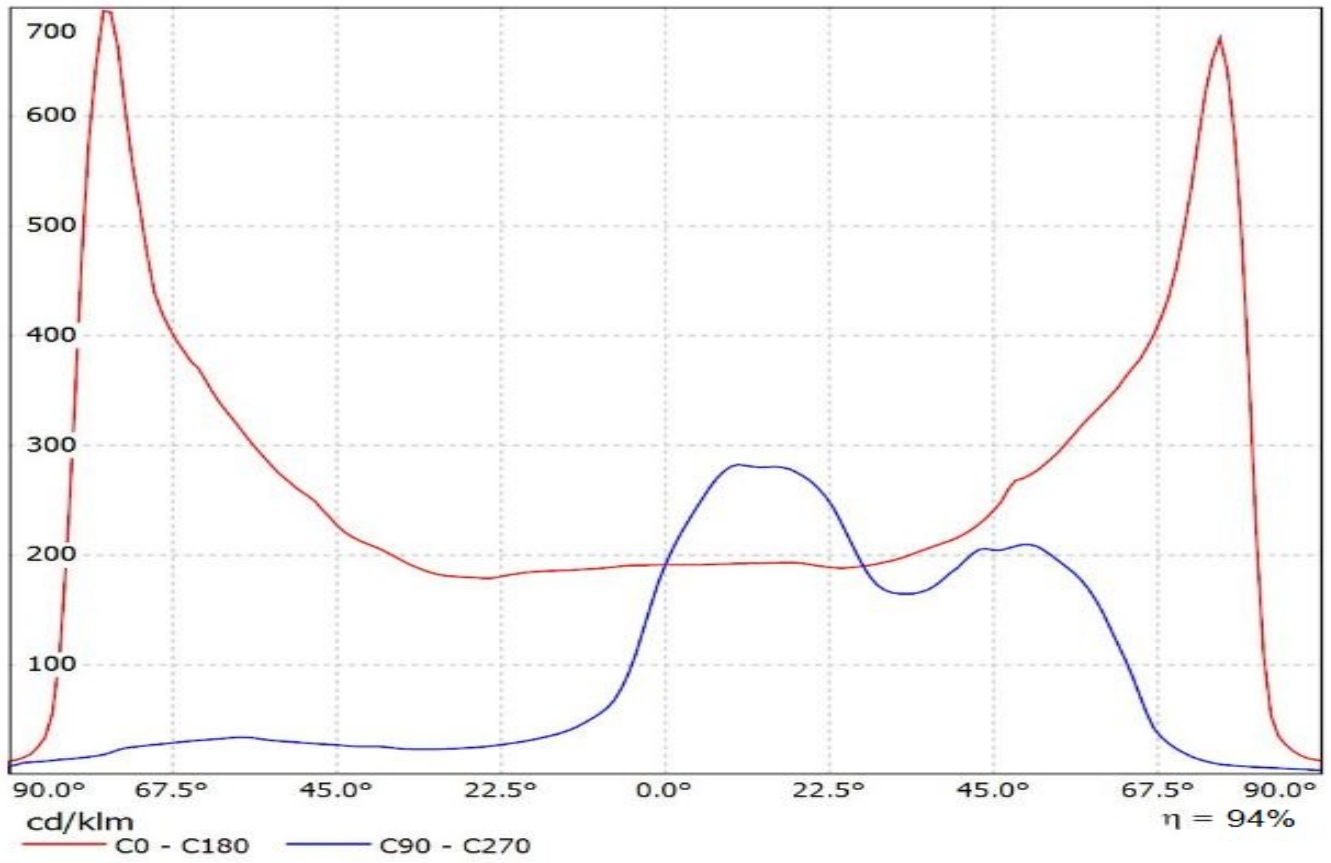
# Ledil C15021\_STRADA-2X2-SCL\_(SQ-PC) / LDC (Linear)

Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(SQ-PC)  
Lamps: 1 x Osram\_Oslon\_Square-PC\_2x2\_(GW\_CSSRM1.PC)  
\_421.516lm@250mA\_CCT=5201K\_P=2.8653W\_I=0.25A



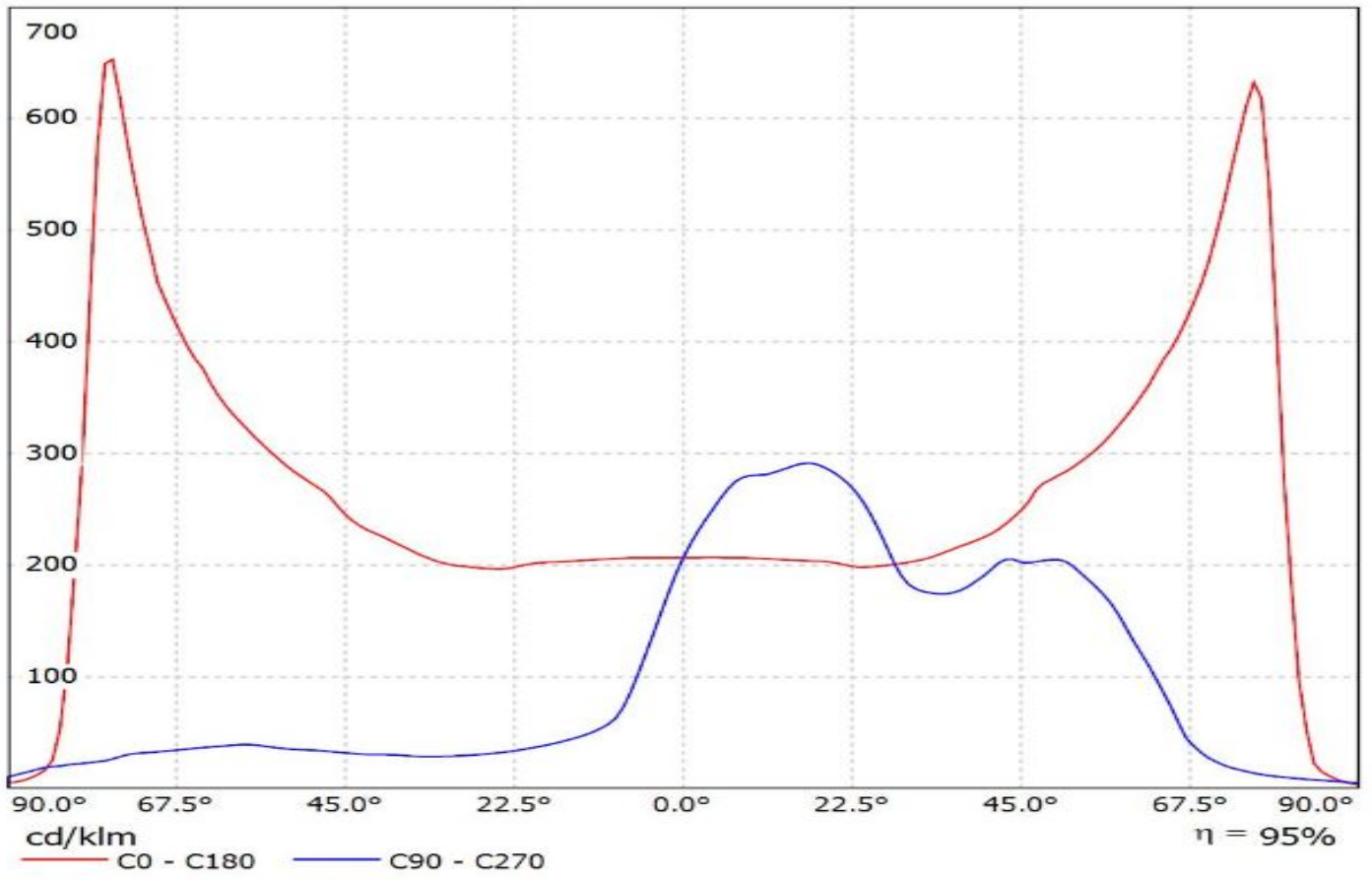
Luminaire: Ledil C15021\_STRADA-2X2-SCL (Square\_Gen3)

Lamps: 1 x Osram\_Square\_Gen3 (GW\_CSSRM2.PM)\_461.082lm@250mA\_P=2.79075W\_I=0.250A

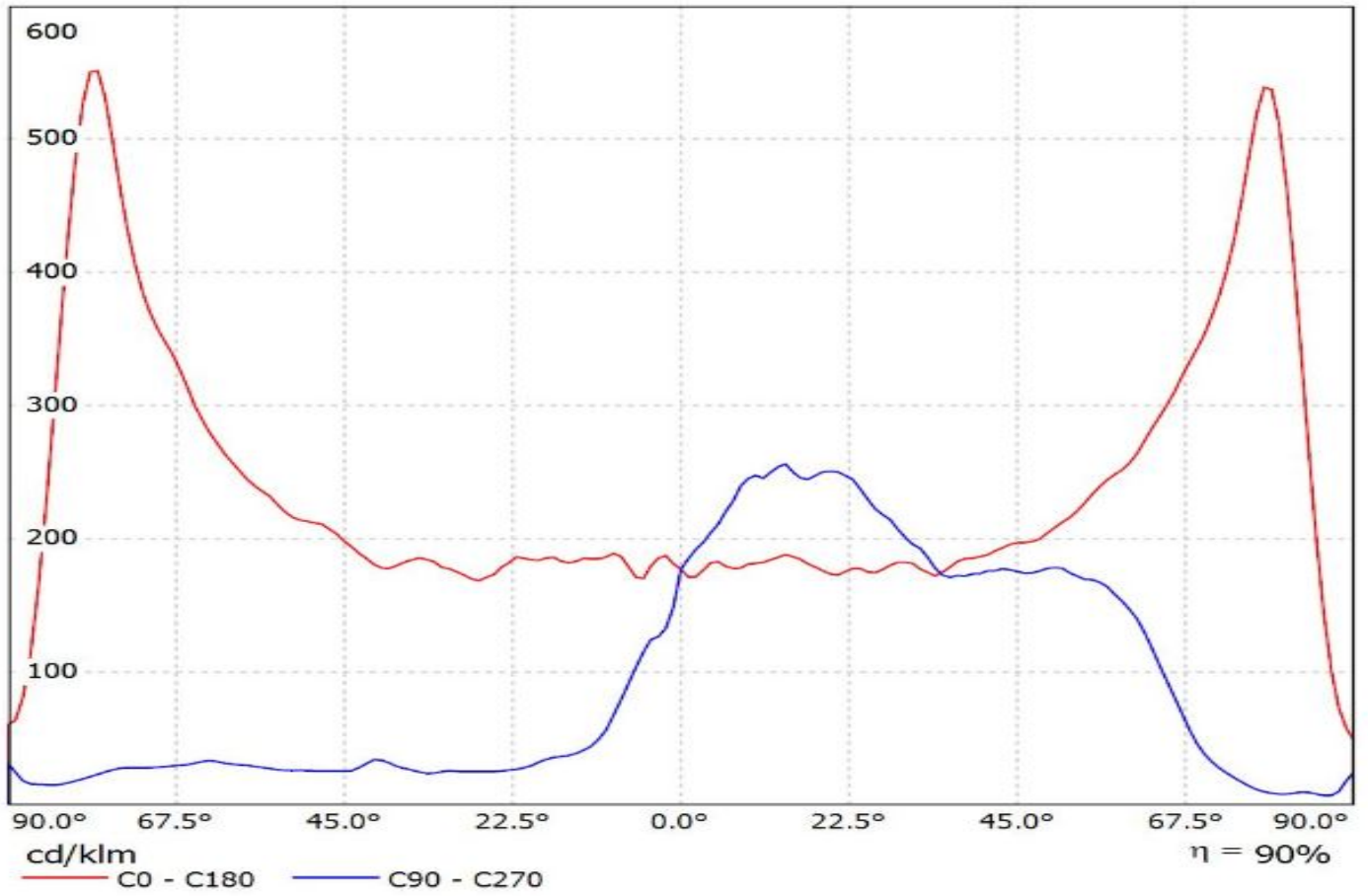




Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3)  
Lamps: 1 x Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3\_1828.23lm@250mA\_P=11.667W\_I=0.25A

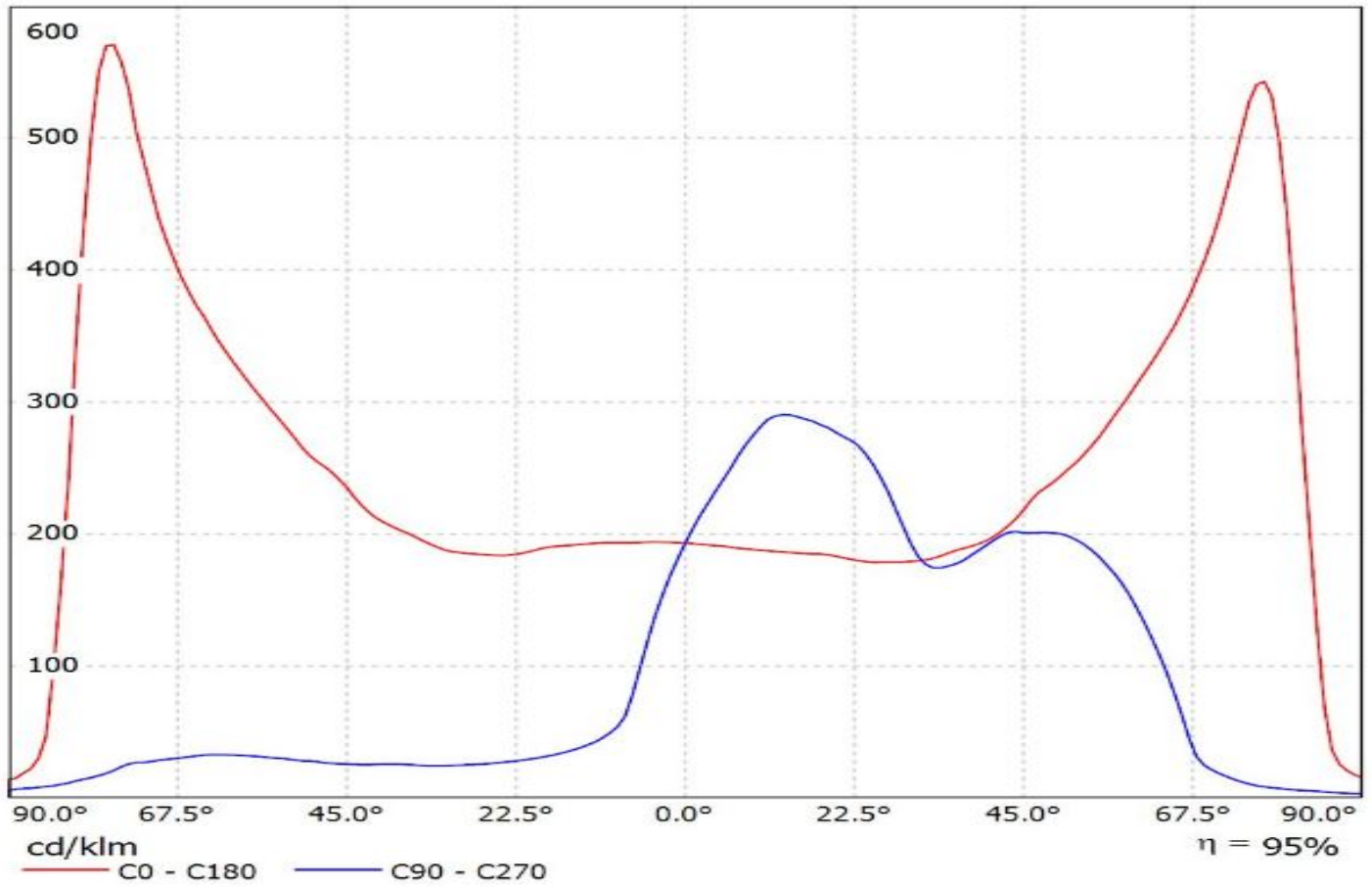


Luminaire: Ledil Oy C15021\_STRADA-2X2-SCL\_Fortimo FastFlex LED board 2x8 DAX G4\_SIMULATED  
Lamps: 1 x Fortimo FastFlex LED board 2x8 DAX G4

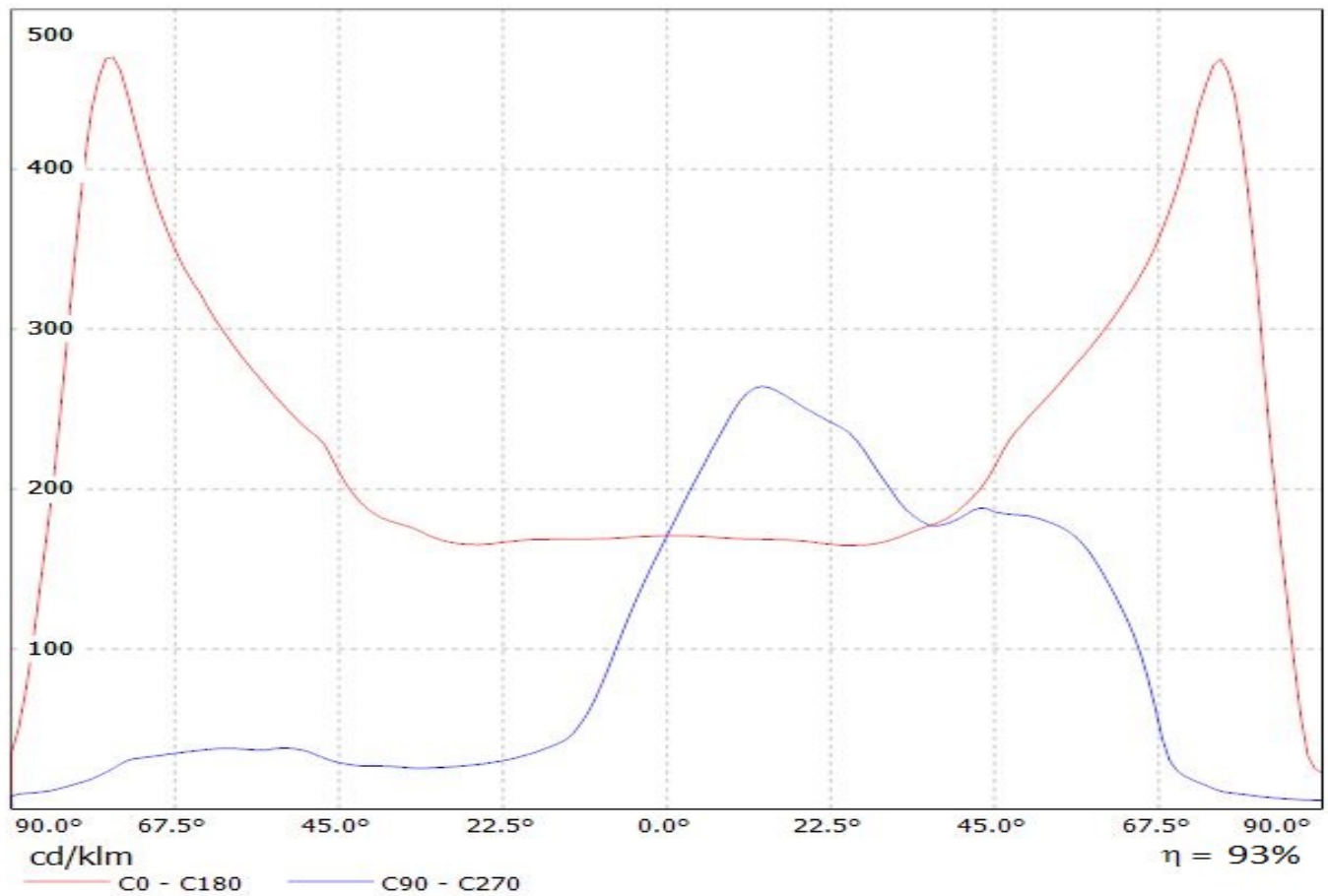


Luminaire: Ledil C15021\_STRADA-2X2-SCL (LH351B)

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

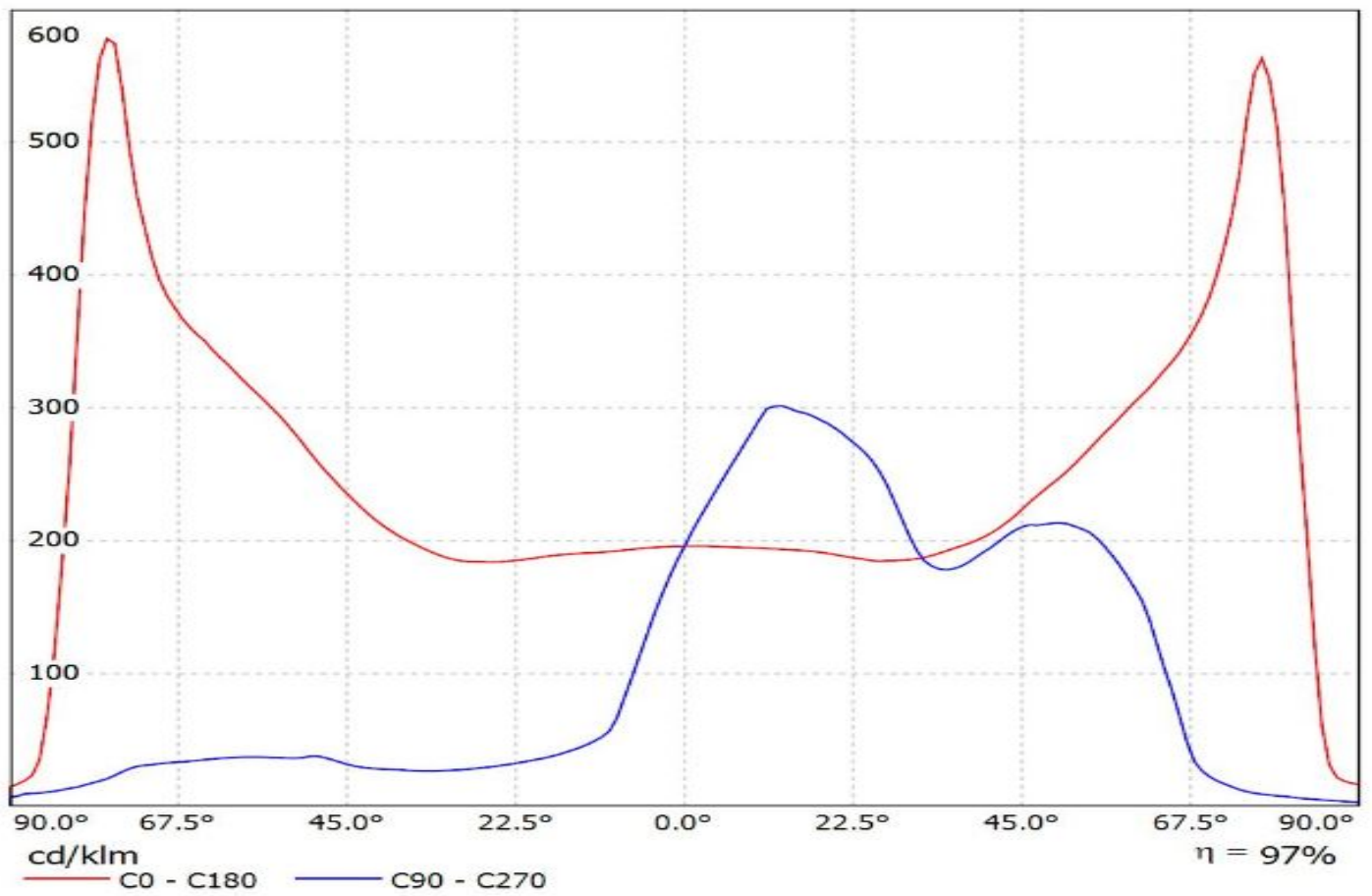


Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(LH351D)  
Lamps: 1 x Samsung\_LH351D\_524.264lm@250mA\_P=2.7523W\_I=0.250A



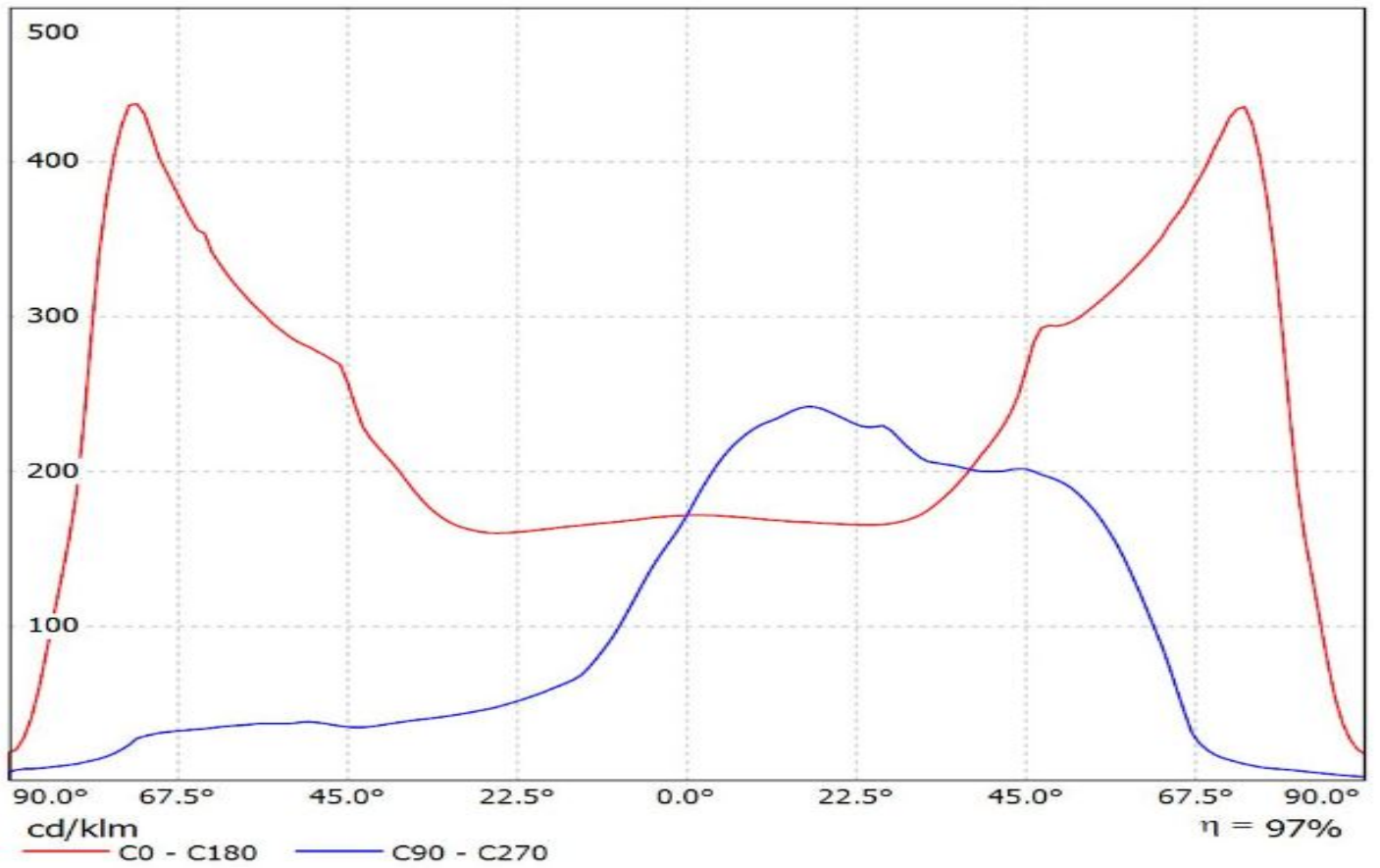
Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(LH351C)

Lamps: 1 x Samsung\_LH351C\_518.223lm@250mA\_P=2.85225W\_I=0.25A

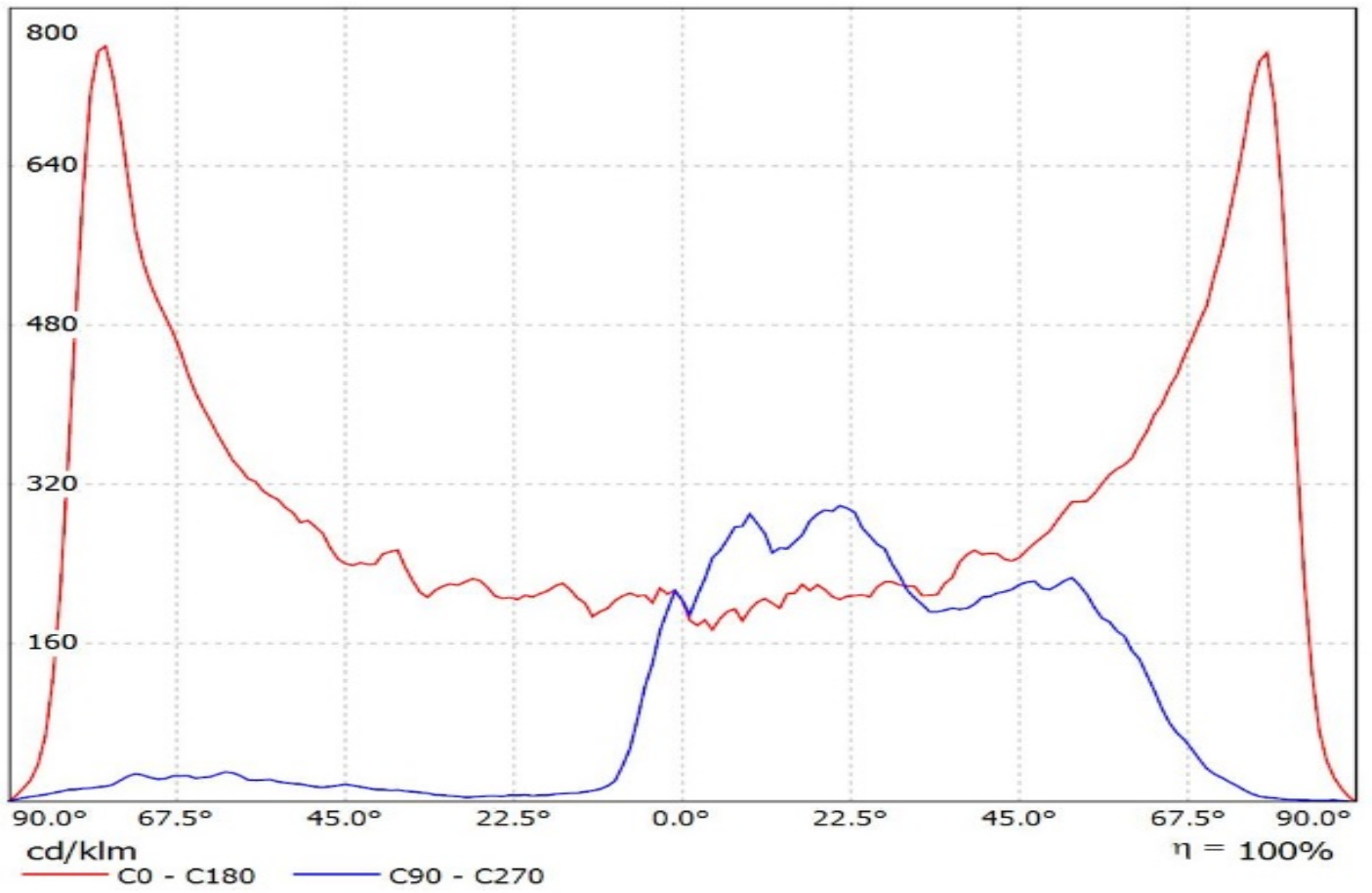


Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(LH508A)

Lamps: 1 x Samsung\_LH508A\_2x2\_2060.04lm@160mA\_CCT=5000K\_CRI=80\_P=15.5405W\_I=0.16A

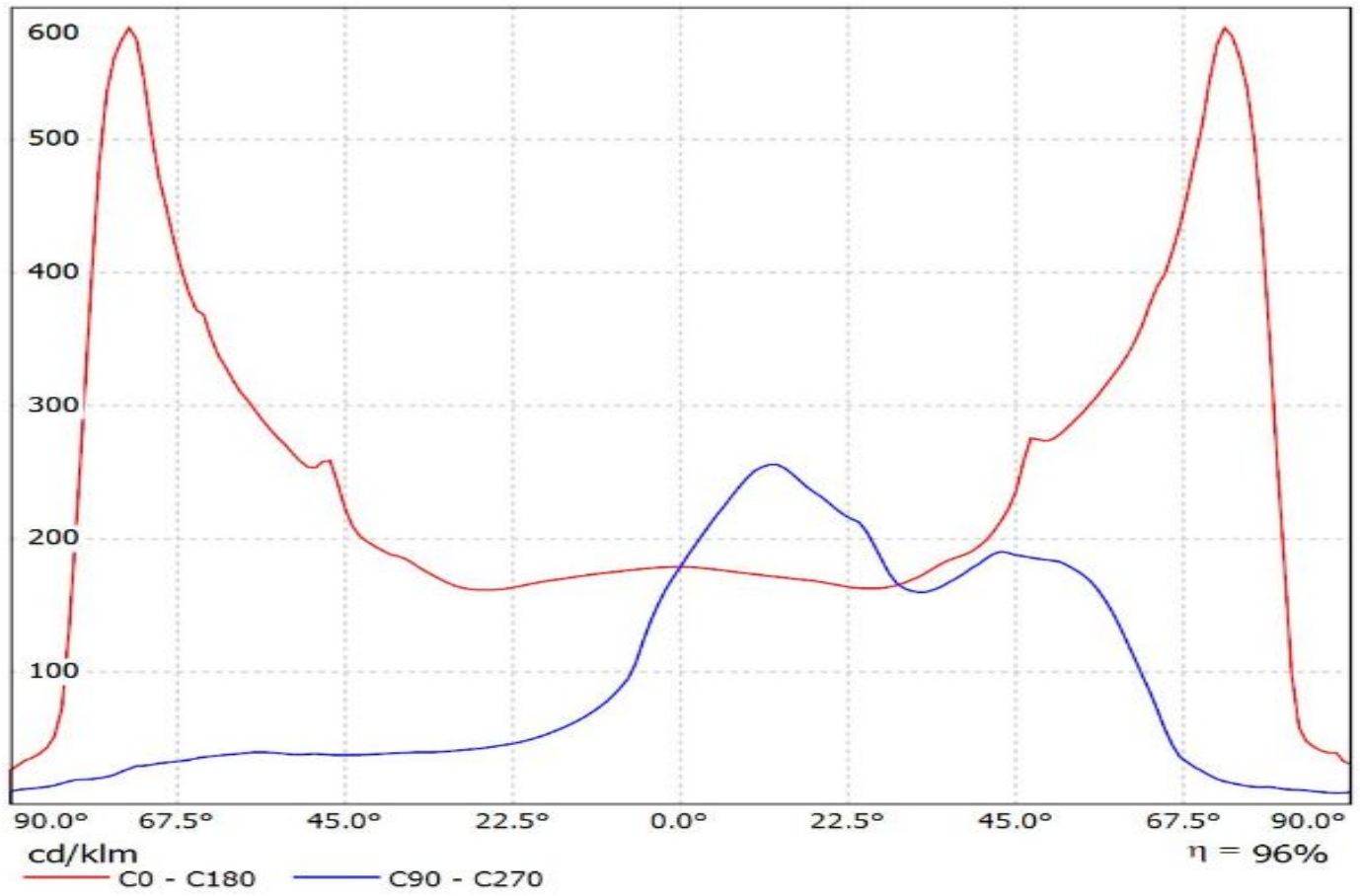


Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Seoul\_Z5M2  
Lamps: 1 x



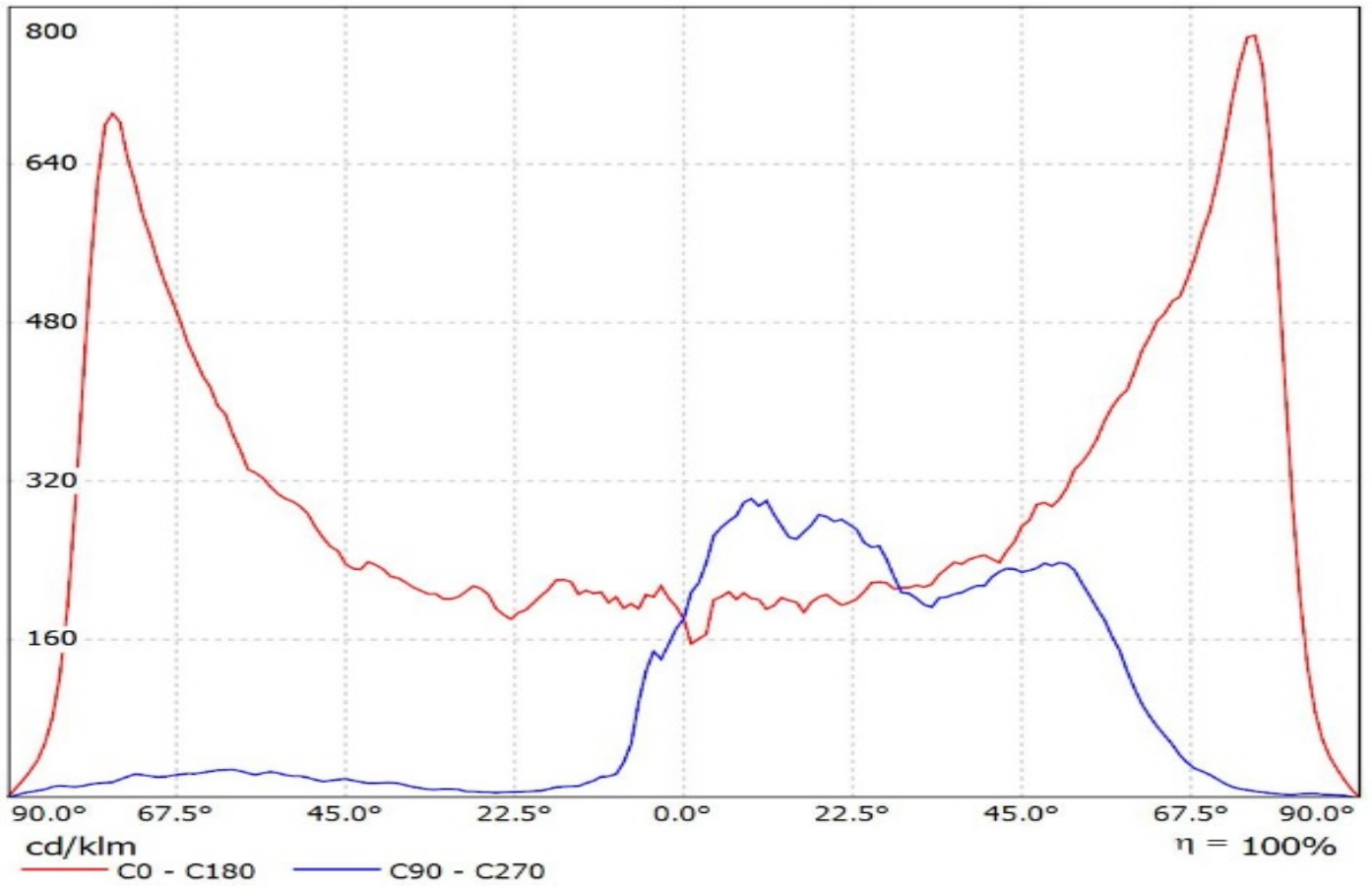
Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(Z8Y22plus)

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

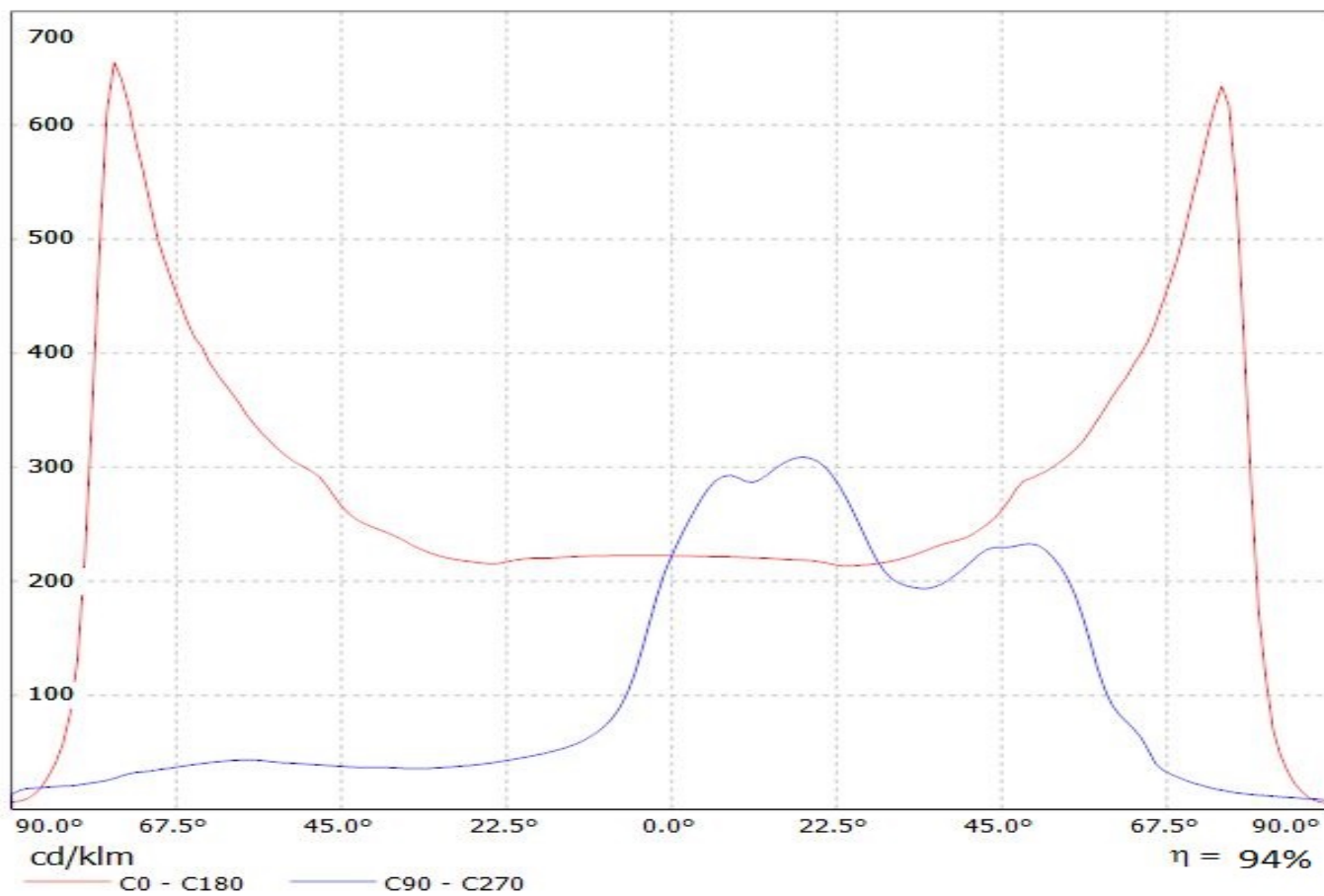




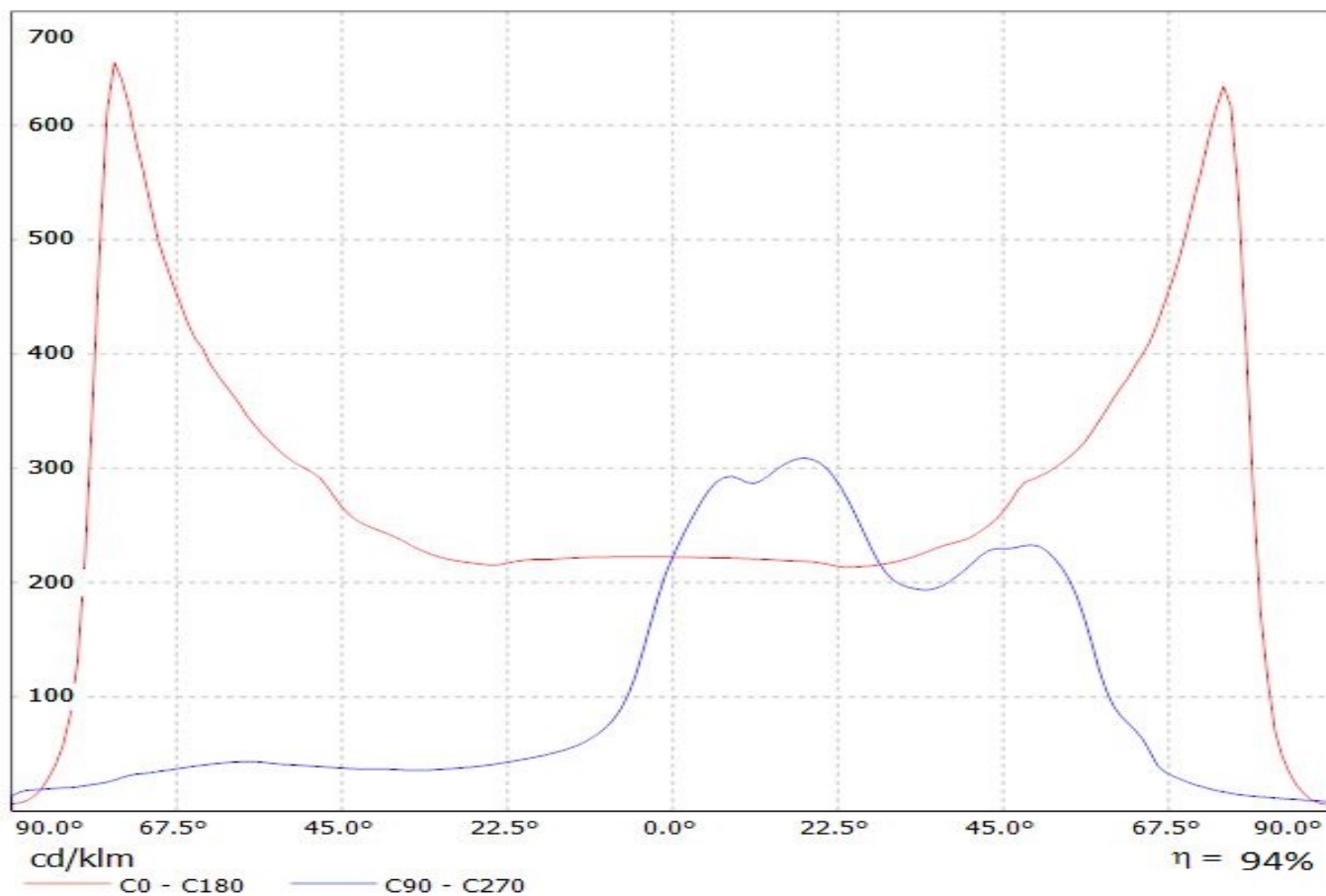
Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Toshiba\_TL1L4  
Lamps: 1 x



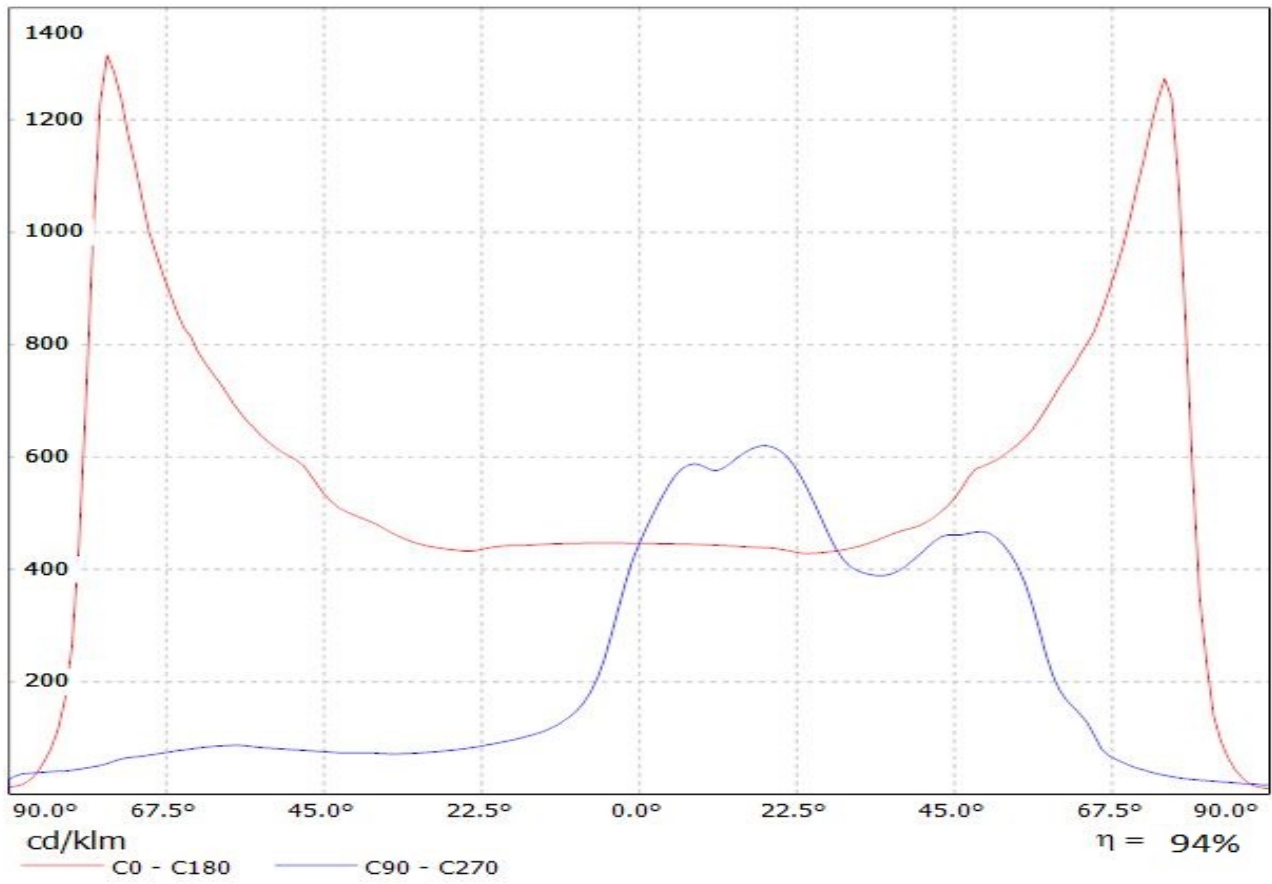
Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4594.42lm@700mA\_P=32.1515W\_I=0.700A



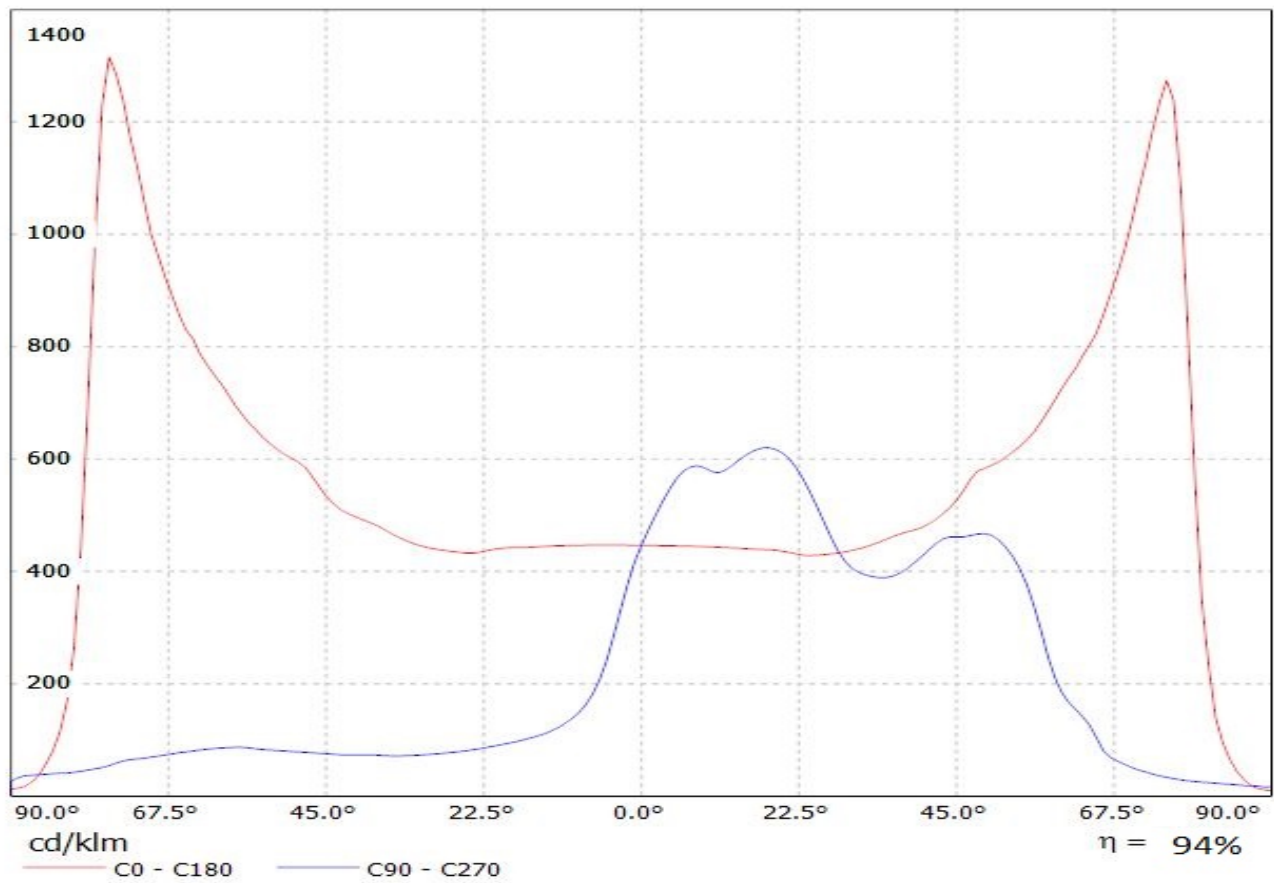
Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4594.42lm@700mA\_P=32.1515W\_I=0.700A



Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A

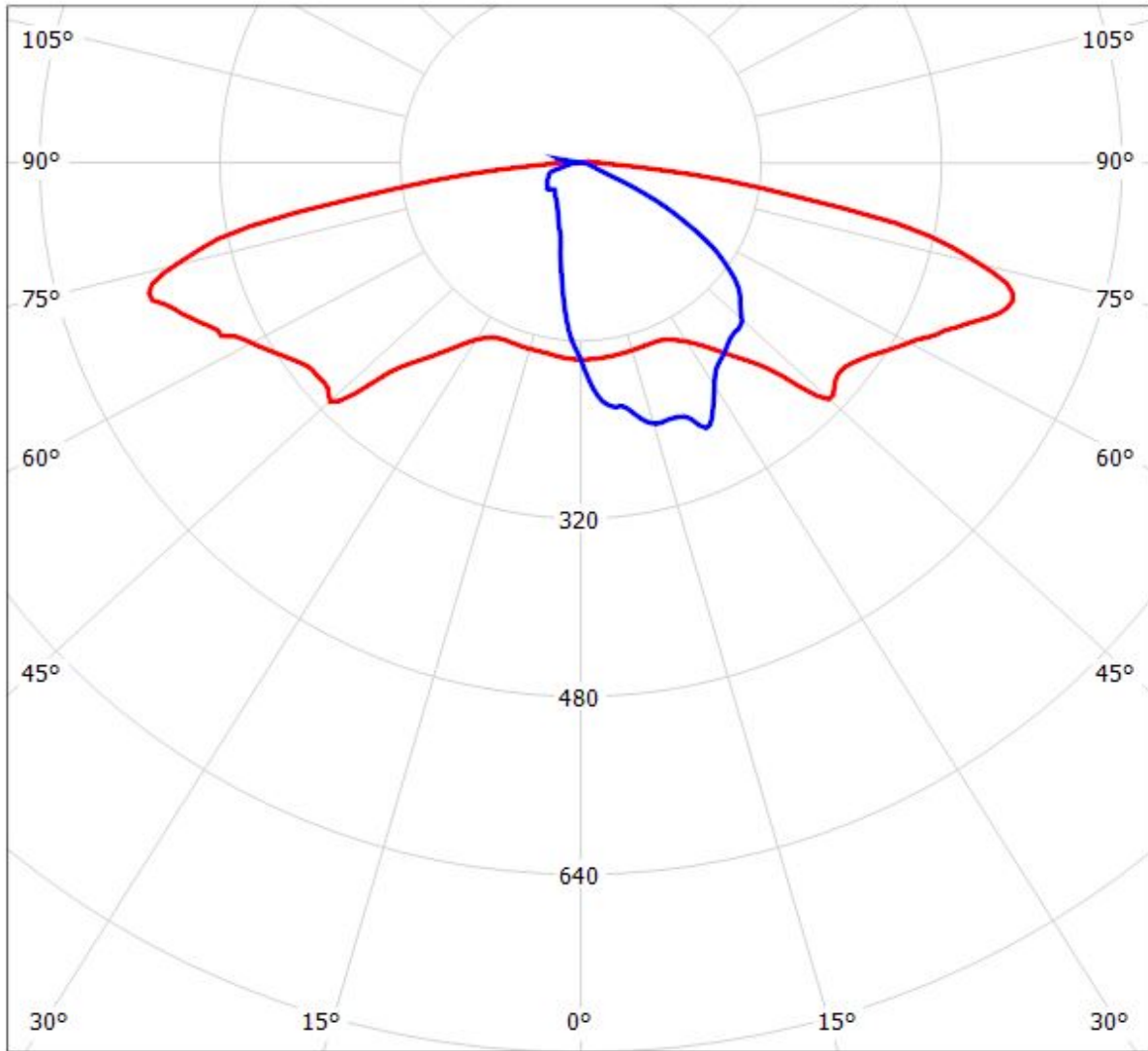


Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A



Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(Bridgelux\_5050\_Gen2)

Lamps: 1 x Bridgelux\_5050\_Gen2\_2x2\_(BXEP-57C-435-09B)\_1447.45lm@250mA\_CCT=5700K\_P=8.29761W\_I=0.25A

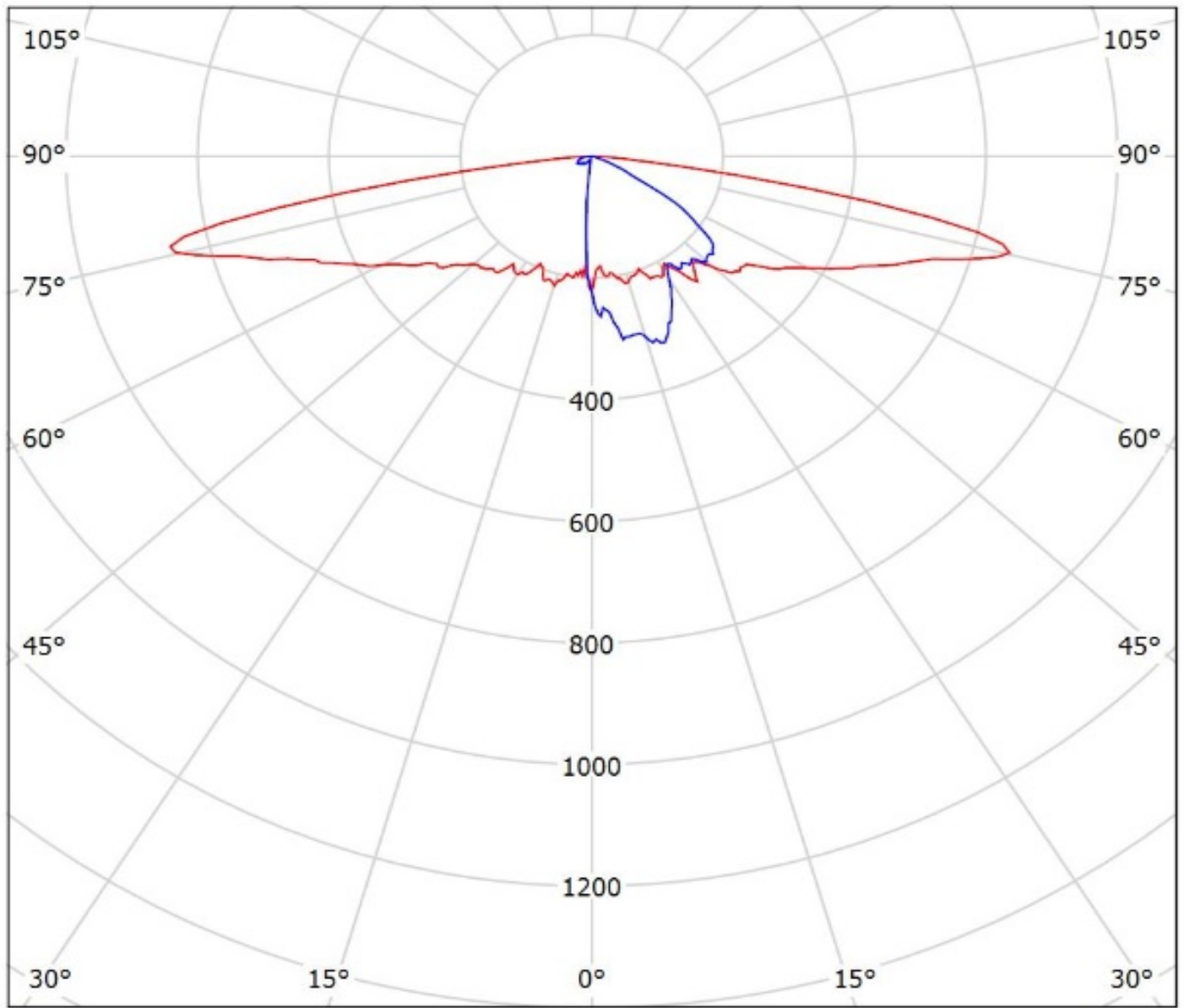


cd/klm

— C0 - C180    — C90 - C270

$\eta = 97\%$

Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Cree\_XB-H  
Lamps: 1 x

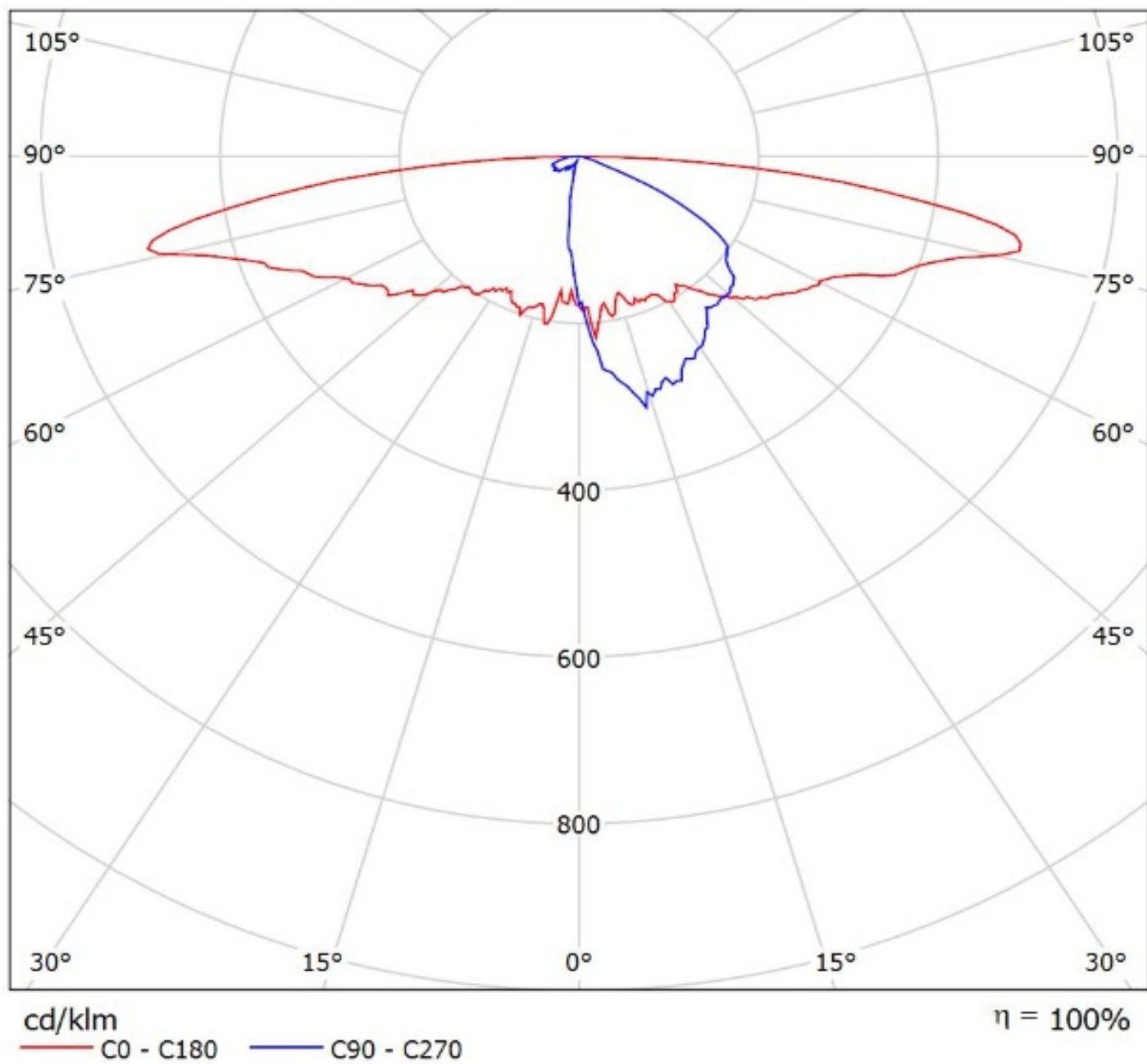


cd/klm  
— C0 - C180 — C90 - C270

$\eta = 100\%$

Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Cree\_XHP35

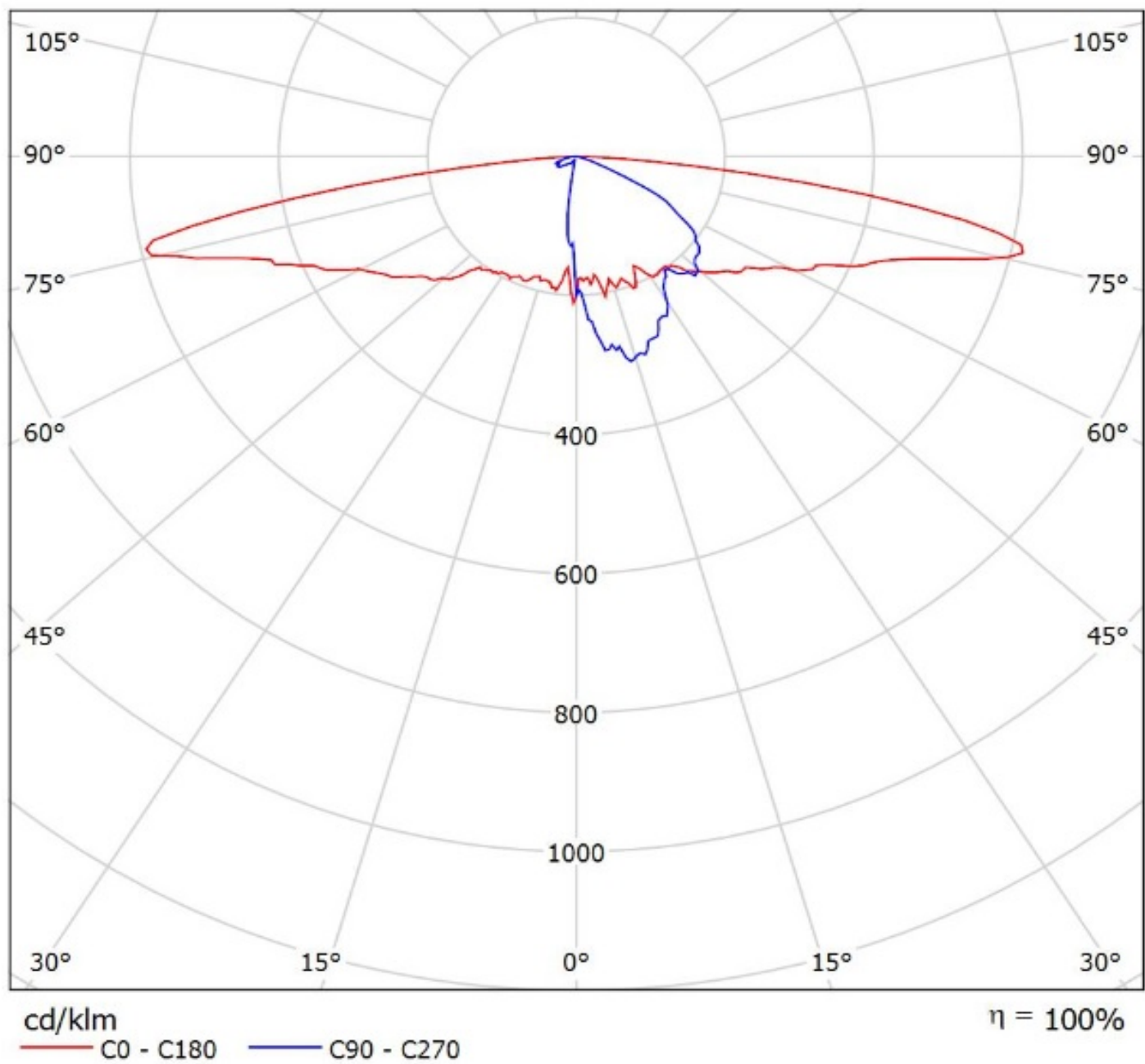
Lamps: 1 x



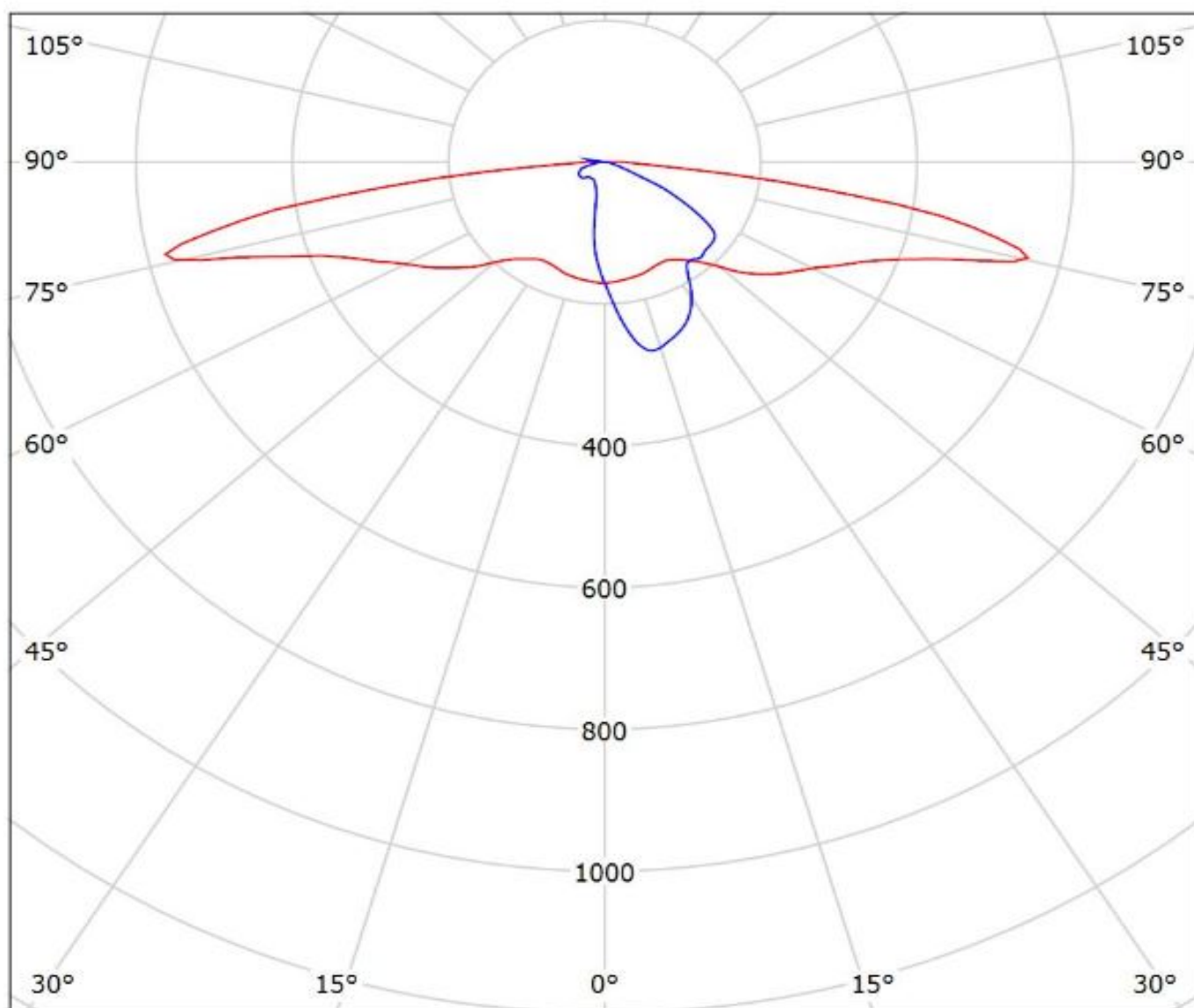


Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Cree\_XM-L2

Lamps: 1 x



Luminaire: Ledil C15021\_STRADA-2X2-SCL (XP-L)  
Lamps: 1 x CREE\_XP-L\_2x2 (XPLAWT-0-1B0-V40-00-0001)  
\_508.286lm@250mA\_CCT=7600K\_P=2.8173W\_I=0.25A

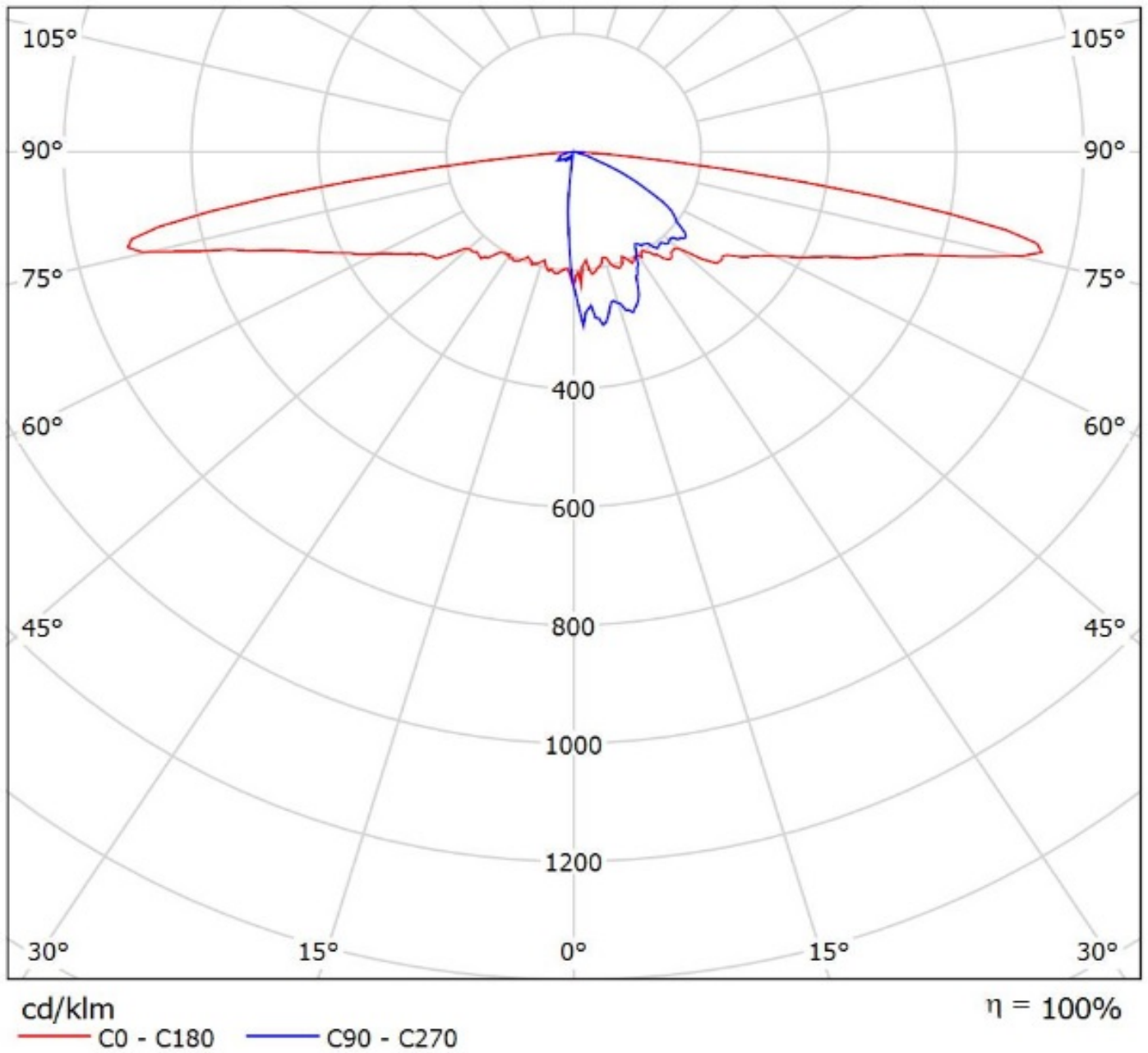


cd/klm

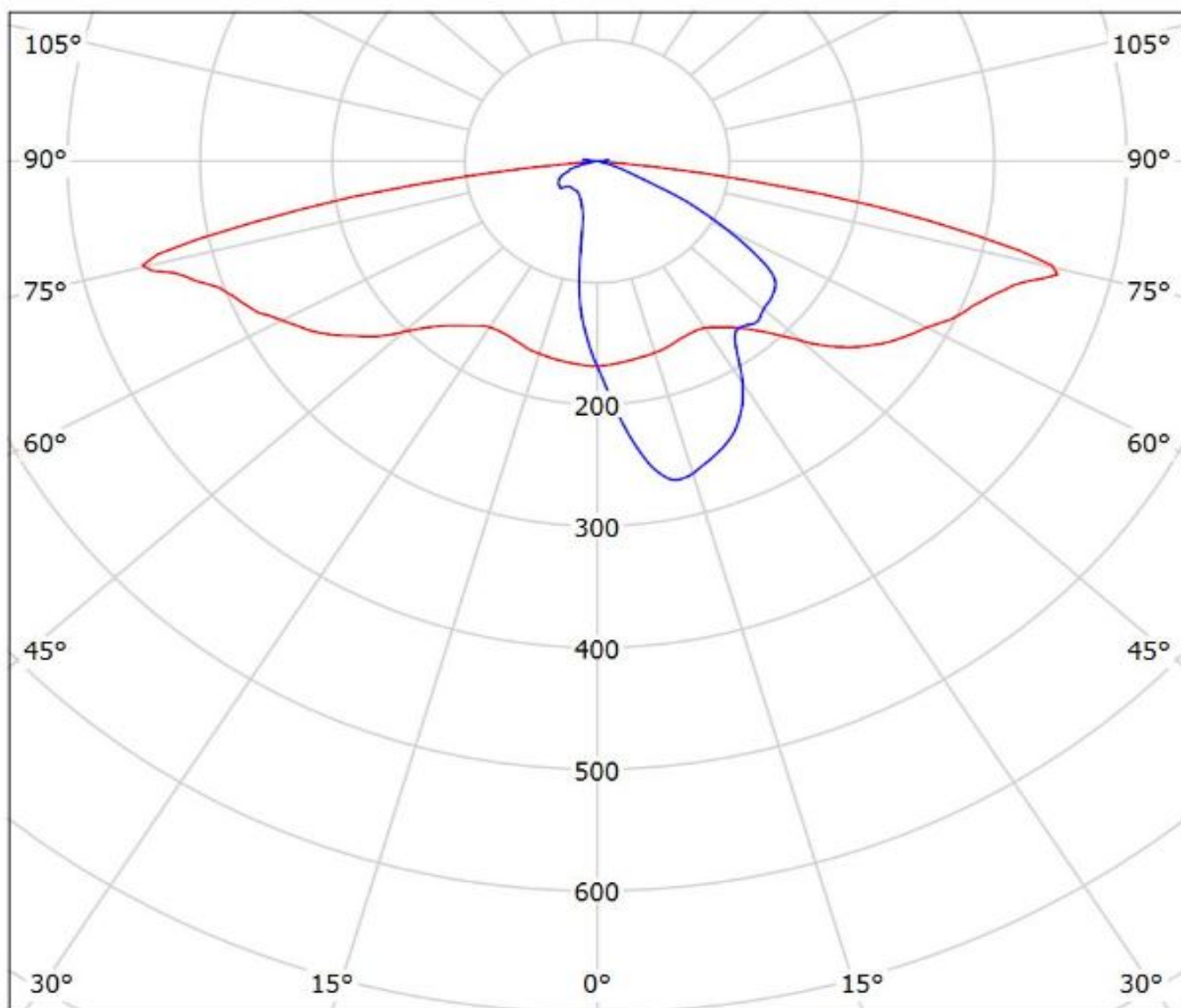
— C0 - C180    — C90 - C270

$\eta = 95\%$

Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Cree\_XP-L-HI  
Lamps: 1 x



Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(XP-L)\_glass  
Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)  
\_508.286lm@250mA\_CCT=7600K\_P=2.8173W\_I=0.25A

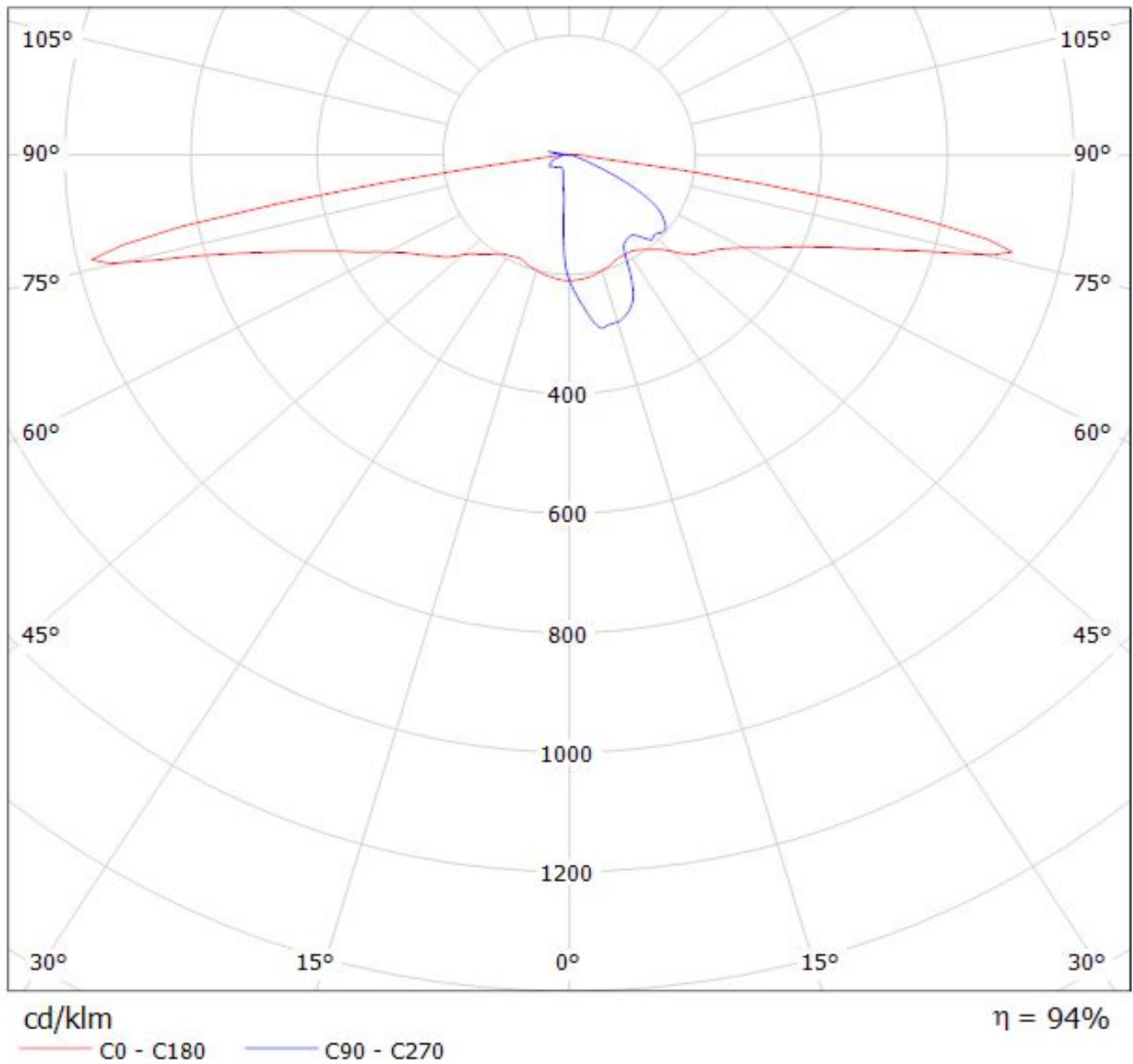


cd/klm  
— C0 - C180 — C90 - C270

$\eta = 78\%$

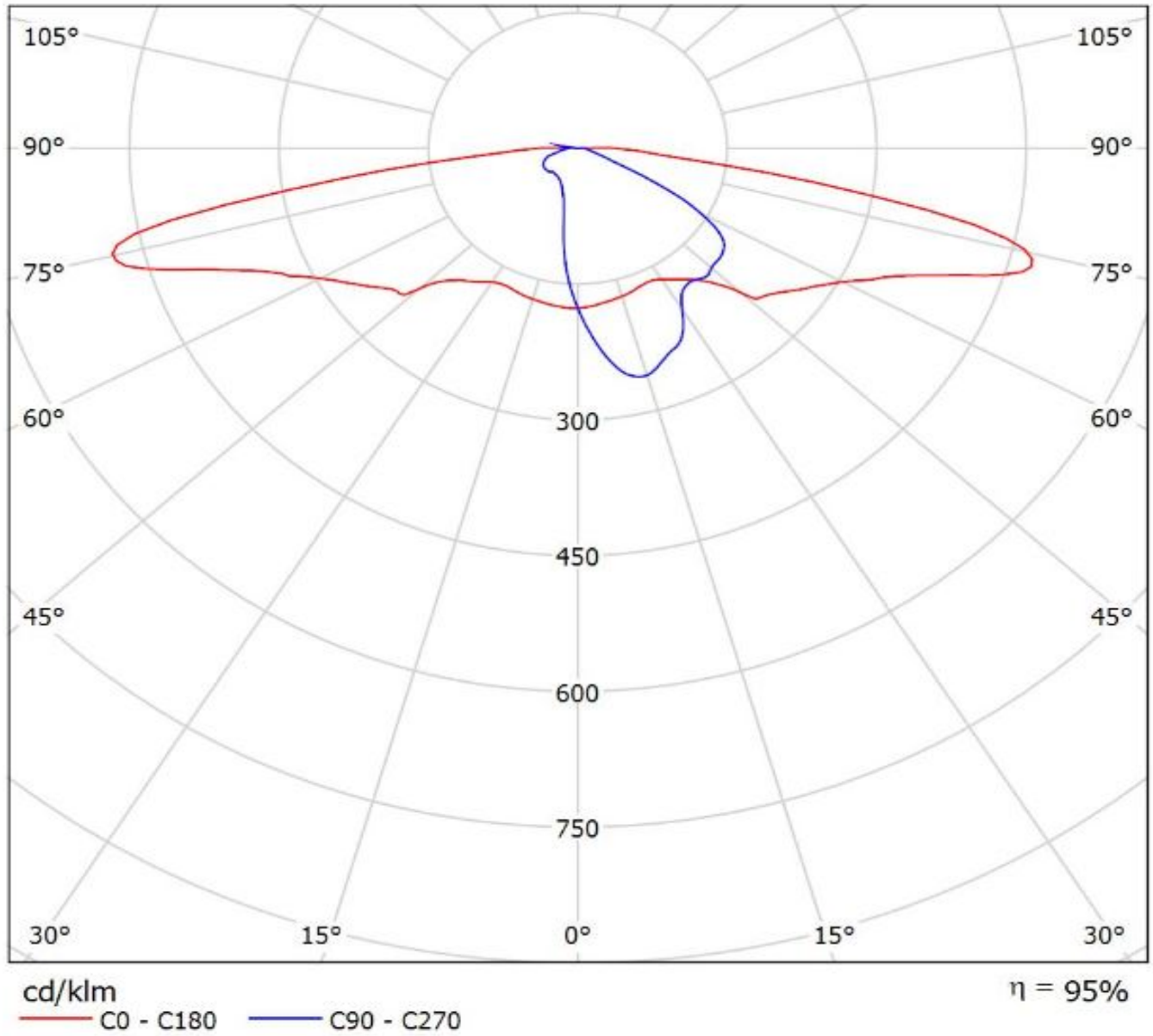
Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(XP-G2)

Lamps: 1 x Cree\_XP-G2\_(XPGBWT-L1-000-00-G51)\_409.845lm@250mA\_P=2.94464\_I=0.250A

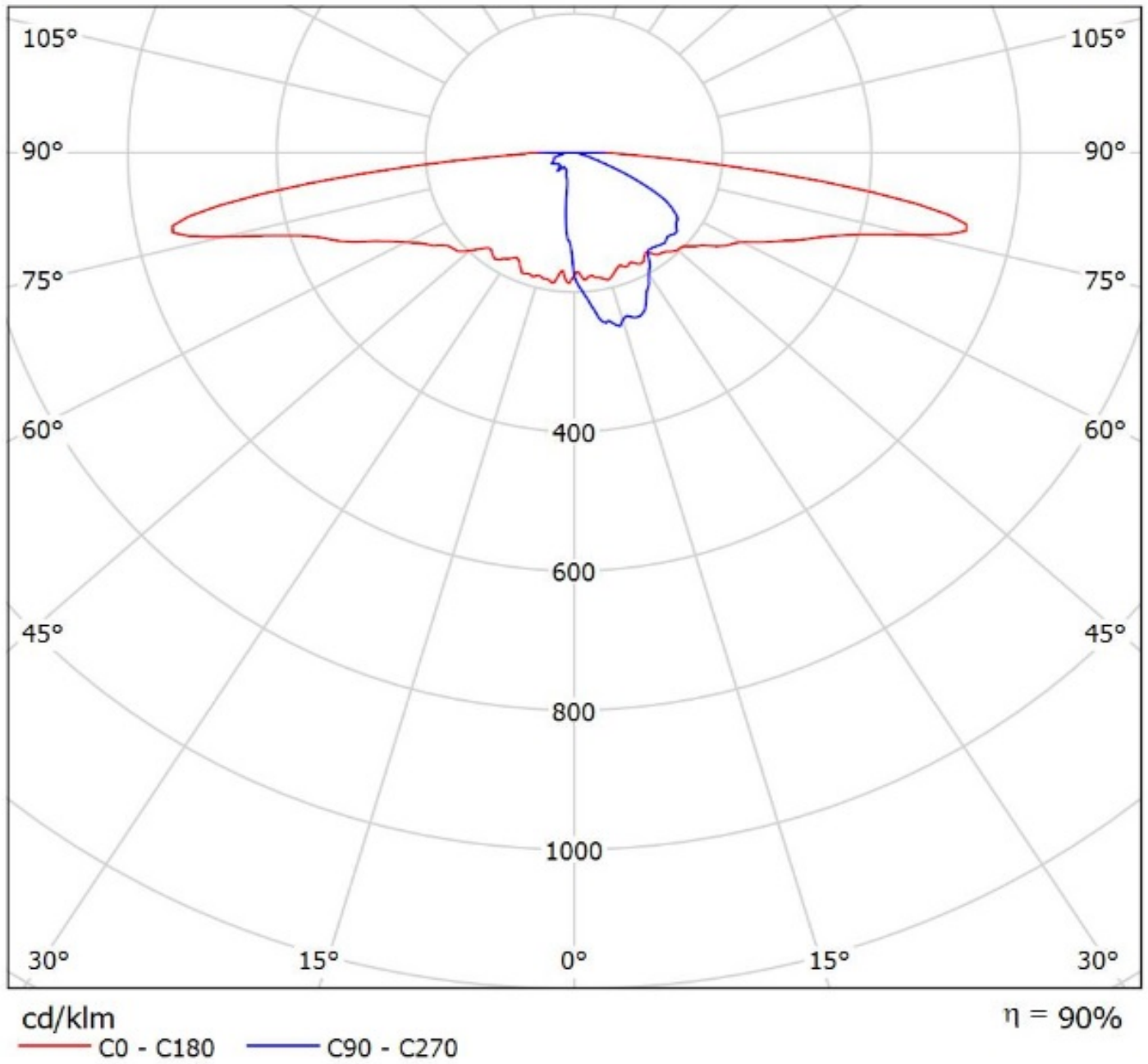


Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(XP-L2)

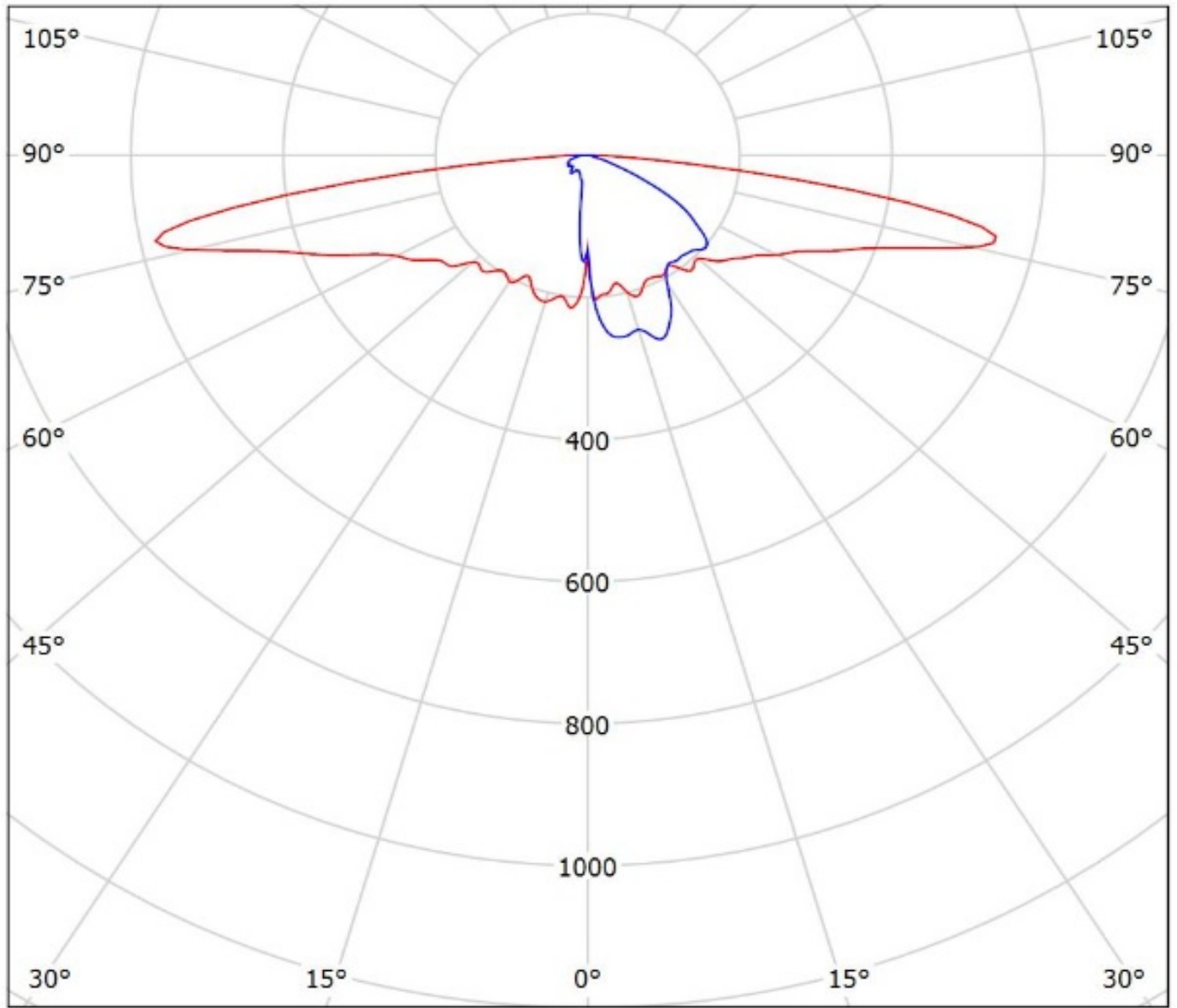
Lamps: 1 x Cree\_XP-L2\_2x2\_(XPLBWT-00-0000-000BV50E3)550.93lm@250mA\_P=2.7815W\_I=0.25A



Luminaire: Ledil Oy C15021\_STRADA-2X2-SCL\_(XP-G3)\_SIMULATED  
Lamps: 1 x Cree XP-G3



Luminaire: Ledil Oy C15021\_STRADA-2X2-SCL\_(H35C1)\_SIMULATED  
Lamps: 1 x LG H35C1 (CCT=5700K)



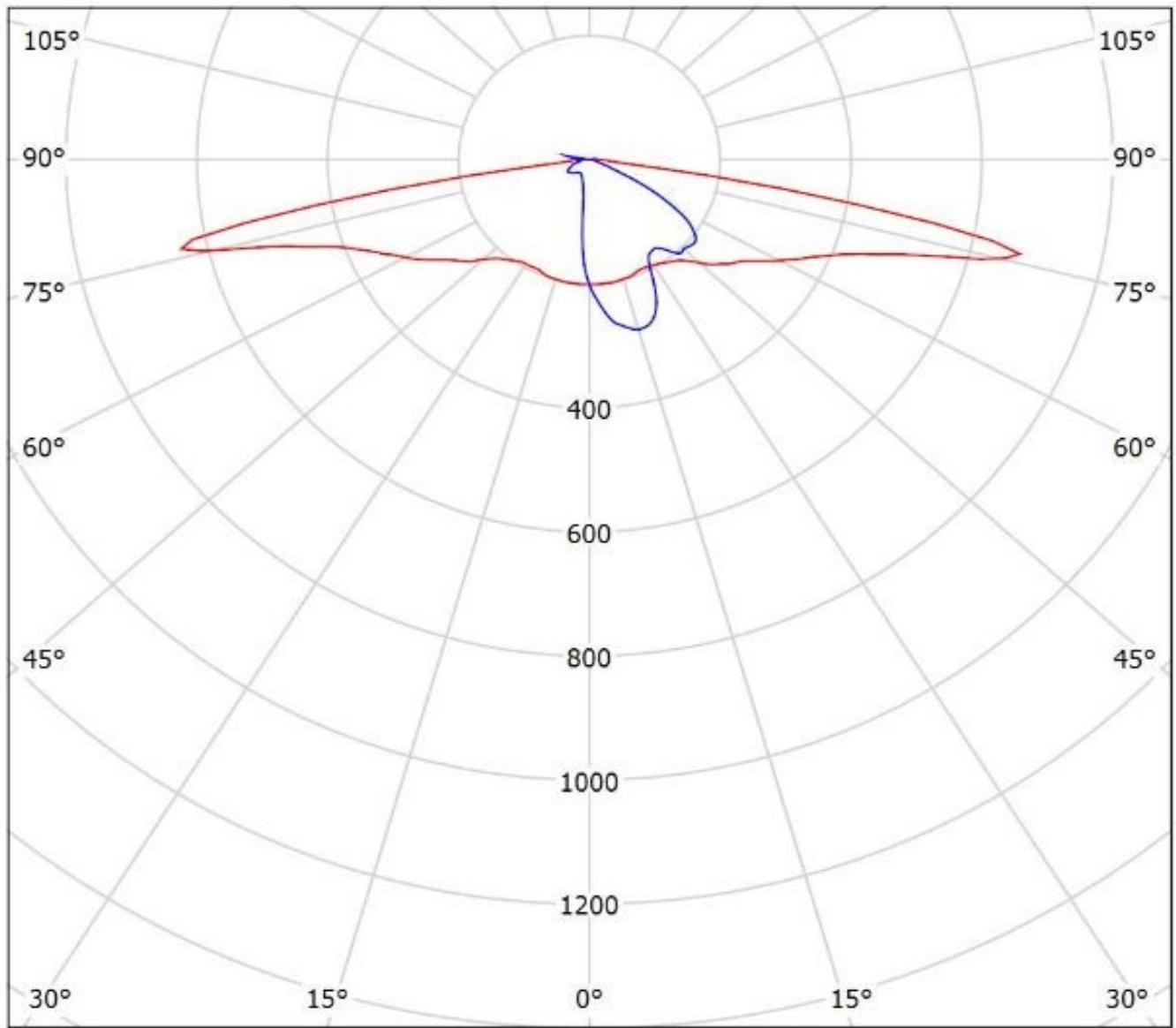
cd/klm  
— C0 - C180 — C90 - C270

$\eta = 91\%$



Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(H35C1)

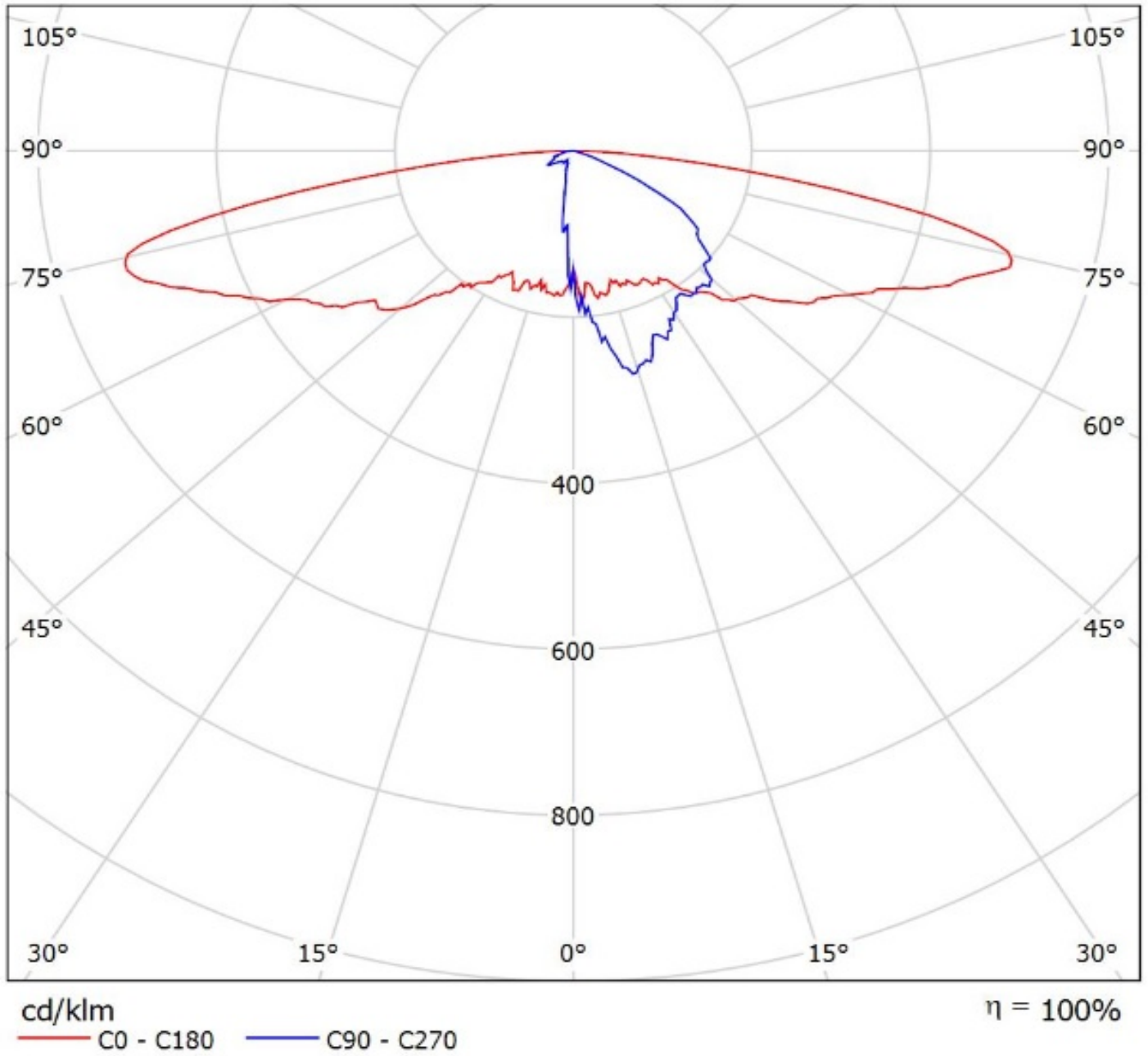
Lamps: 1 x LG\_H35C1\_2x2\_477.216lm@250mA\_P=2.87475W\_I=0.250A



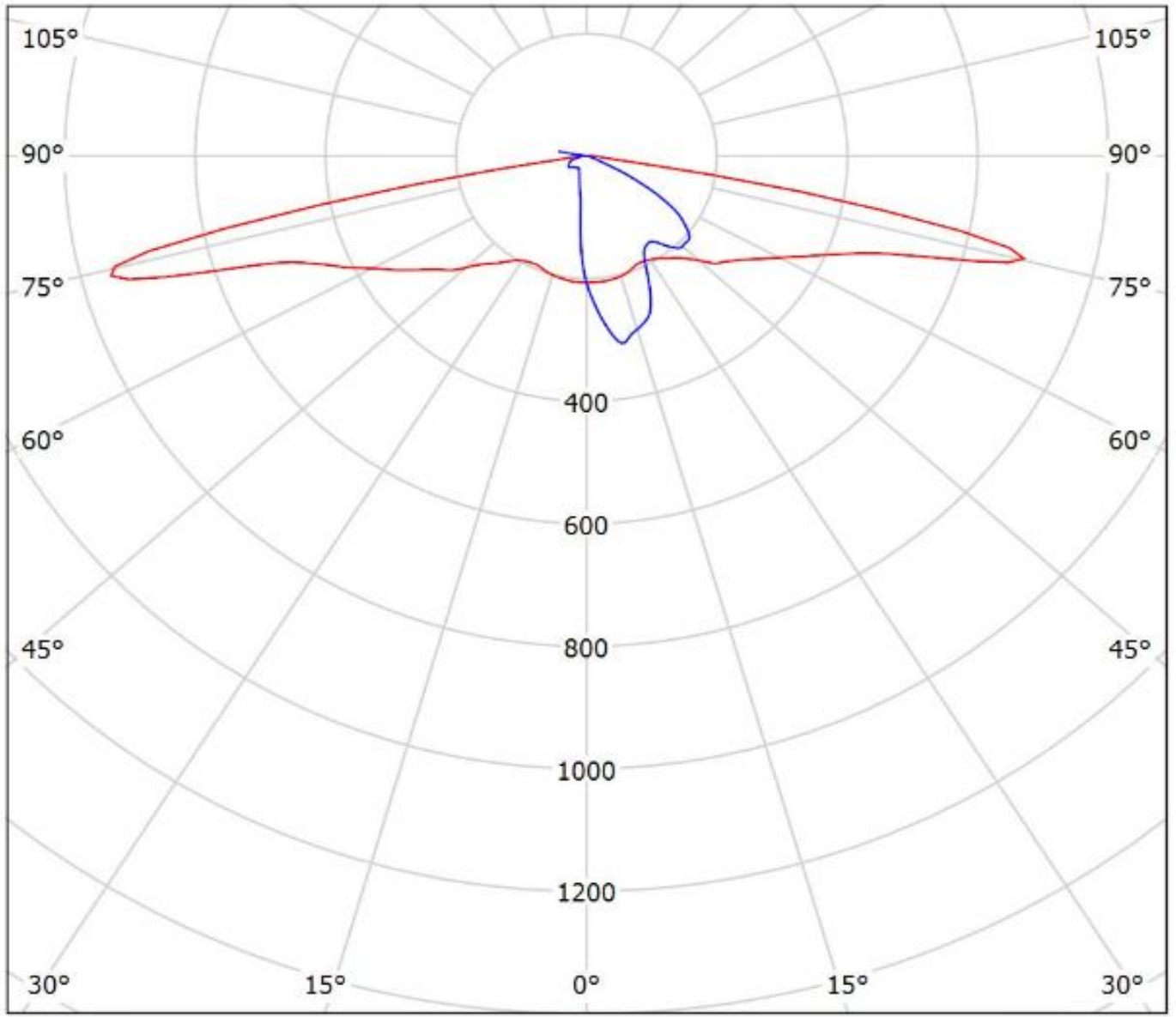
$\eta = 94\%$

cd/klm  
— C0 - C180    — C90 - C270

Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Luxeon-5258  
Lamps: 1 x



Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(Luxeon\_TX)  
Lamps: 1 x Luxeon\_TX\_(L1T2-3585)\_lm@250mA\_P=W\_l=0.250A



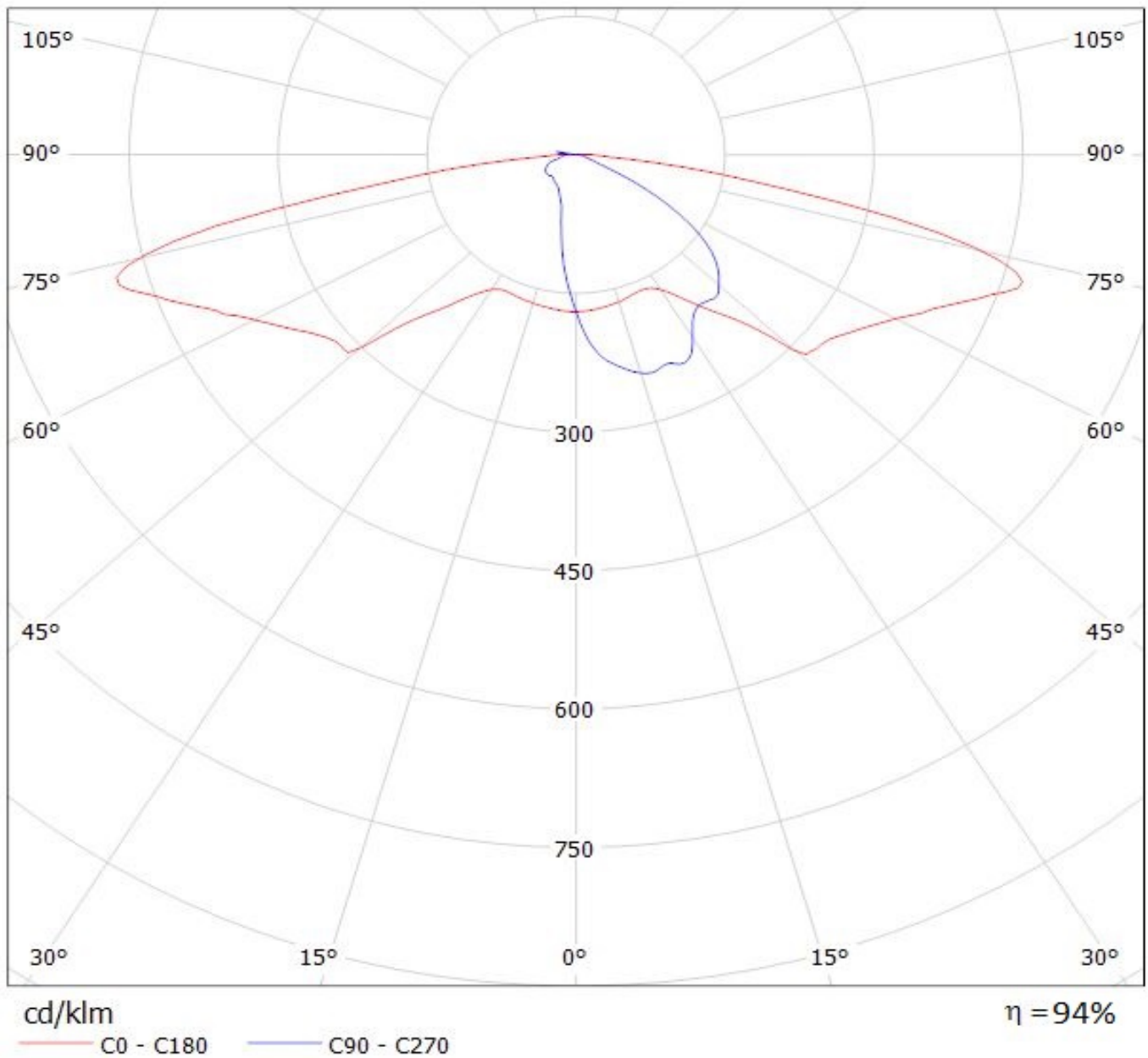
cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

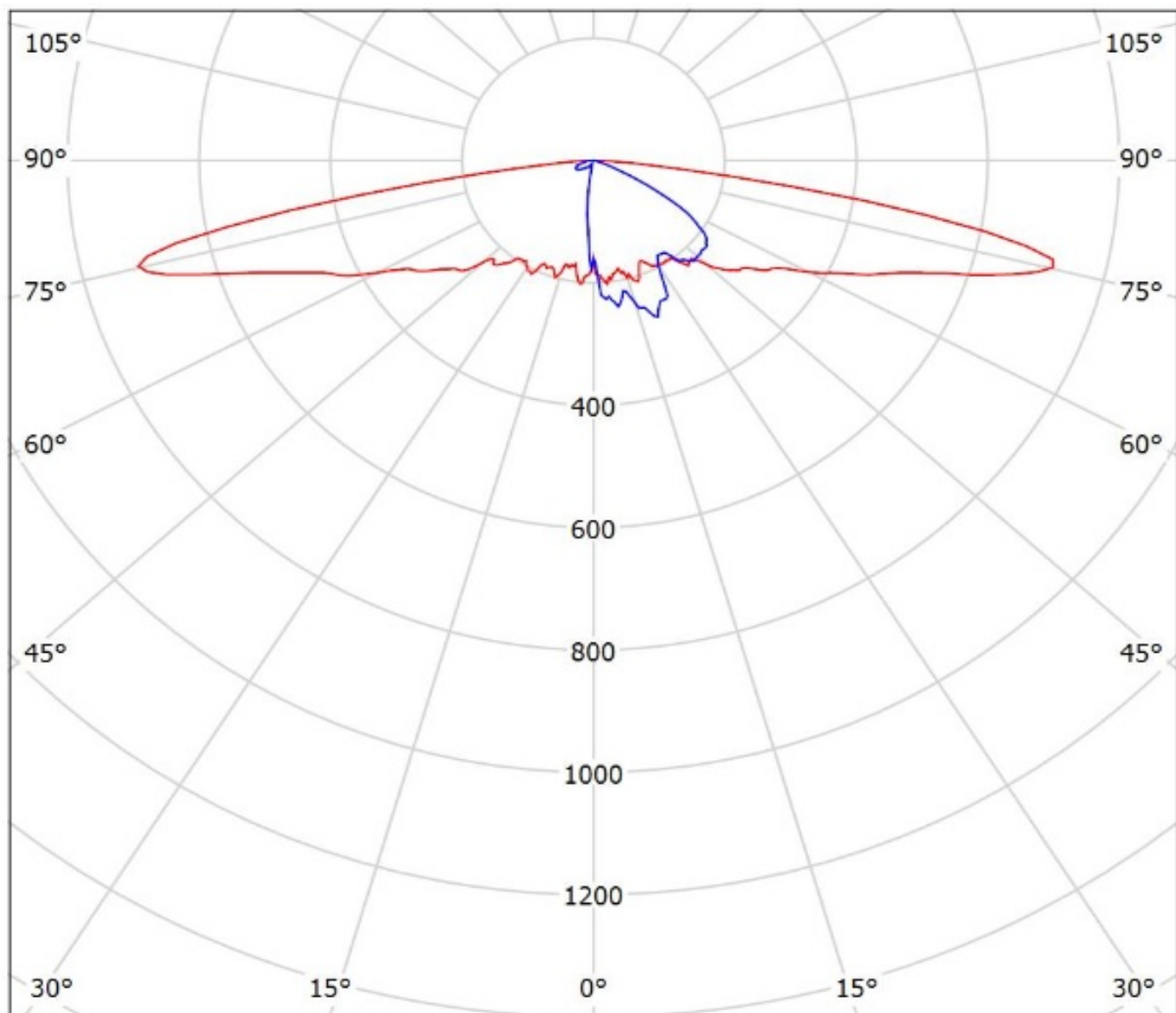
Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(Luxeon\_5050)

Lamps: 1 x Luxeon\_5050\_2x2\_1270.76lm@80mA\_CCT=5700K\_P=7.35815W\_I=0.080A\_70CRI



Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Nichia\_NVsxx19C

Lamps: 1 x



cd/klm

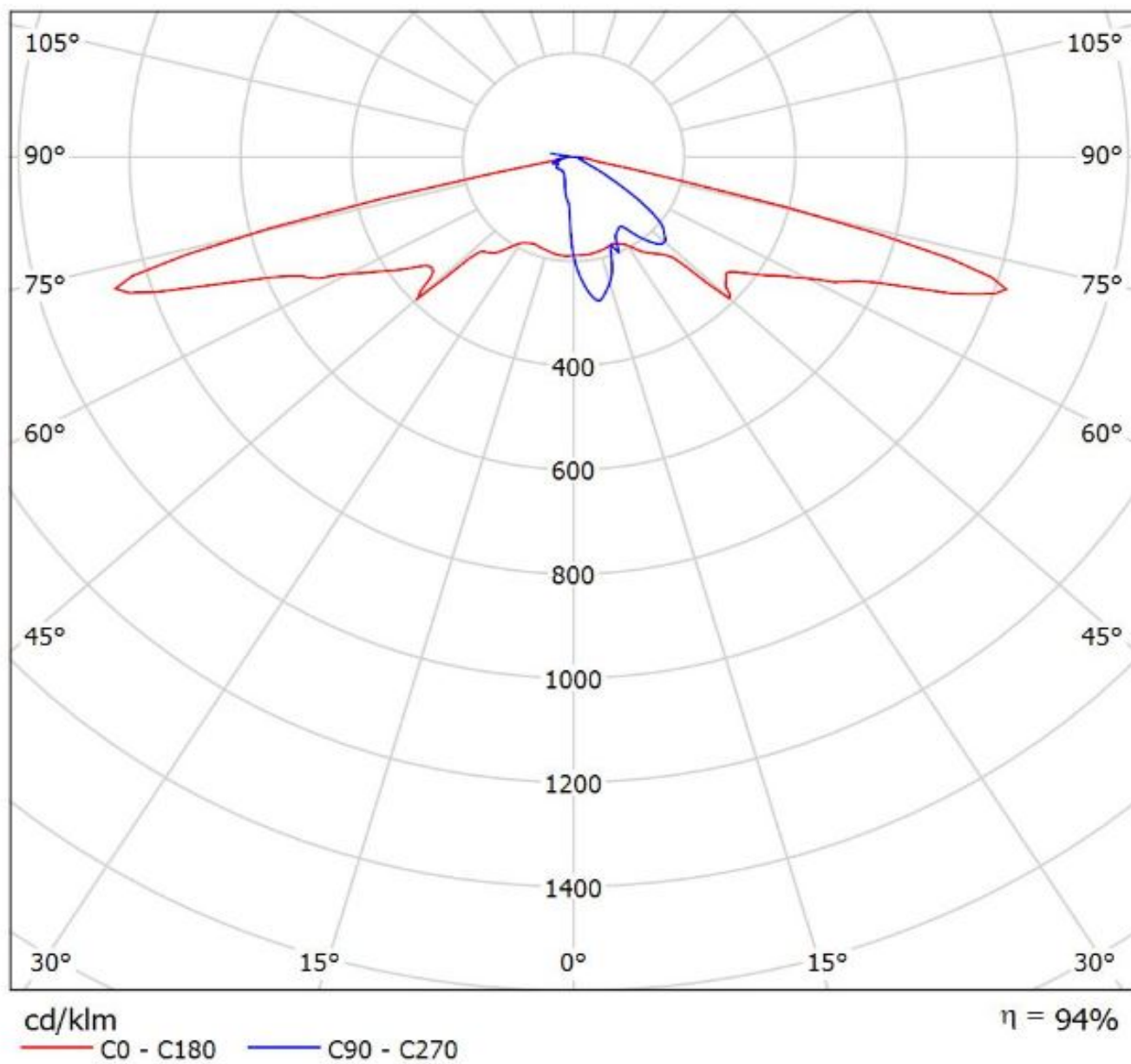
— C0 - C180

— C90 - C270

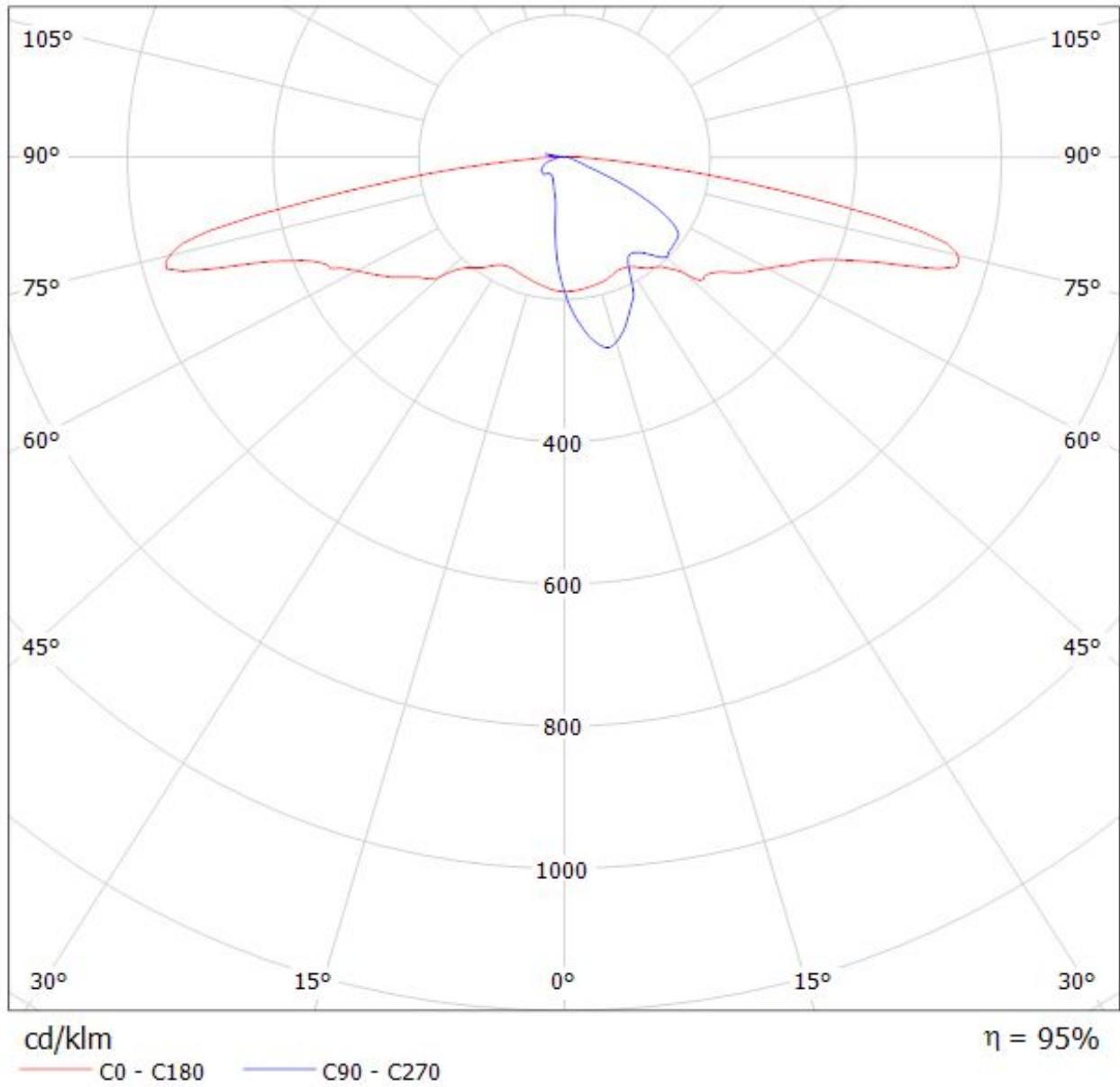
η = 100%

Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(E21A)

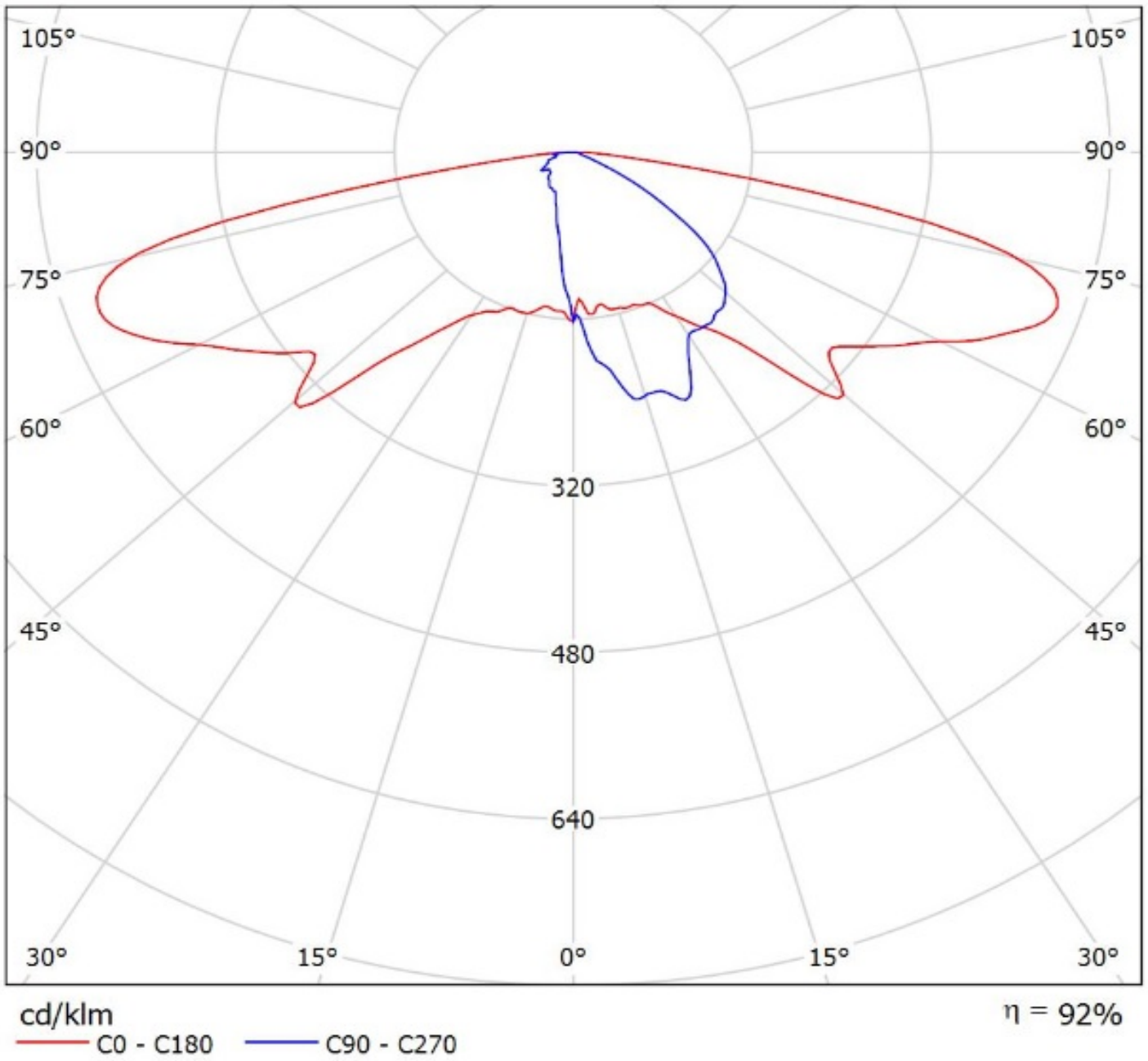
Lamps: 1 x Nichia\_E21A\_452.248lm@250mA\_2.805W\_I=0.250A



Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(NVSW319AE)  
Lamps: 1 x Nichia\_NVSW319AE\_499.093lm@250mA\_P=2.79052W\_I=0.25A



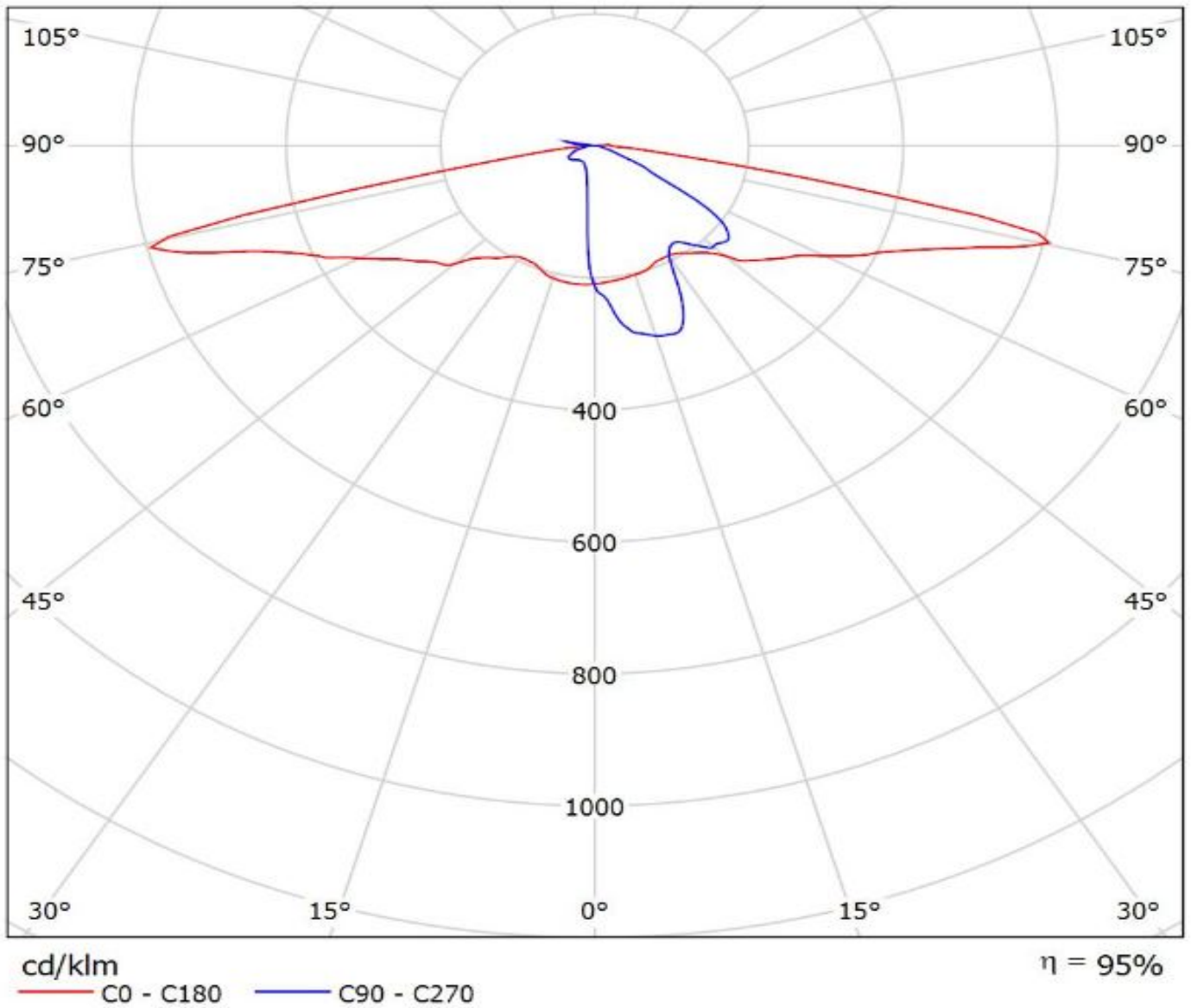
Luminaire: Ledil Oy C15021\_STRADA-2X2-SCL\_(Duris\_S8)\_SIMULATED  
Lamps: 1 x Osram Duris S8 (GW P9LM21.EM)





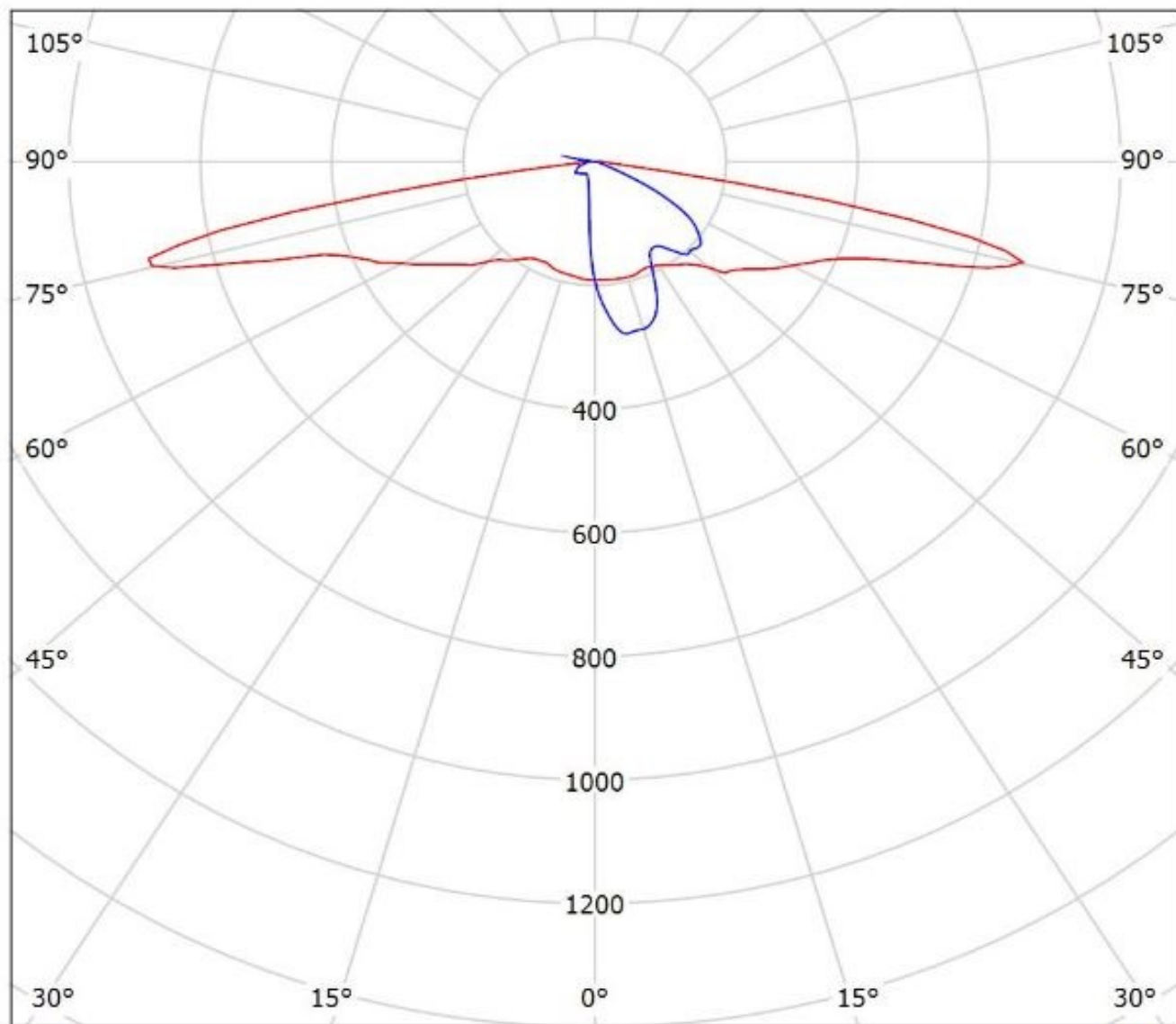
# Ledil C15021\_STRADA-2X2-SCL\_(SQ-PC) / LDC (Polar)

Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(SQ-PC)  
Lamps: 1 x Osram\_Oslon\_Square-PC\_2x2\_(GW\_CSSRM1.PC)  
\_421.516lm@250mA\_CCT=5201K\_P=2.8653W\_I=0.25A



Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(Square\_Gen3)

Lamps: 1 x Osram\_Square\_Gen3\_(GW\_CSSRM2.PM)\_461.082lm@250mA\_P=2.79075W\_I=0.250A



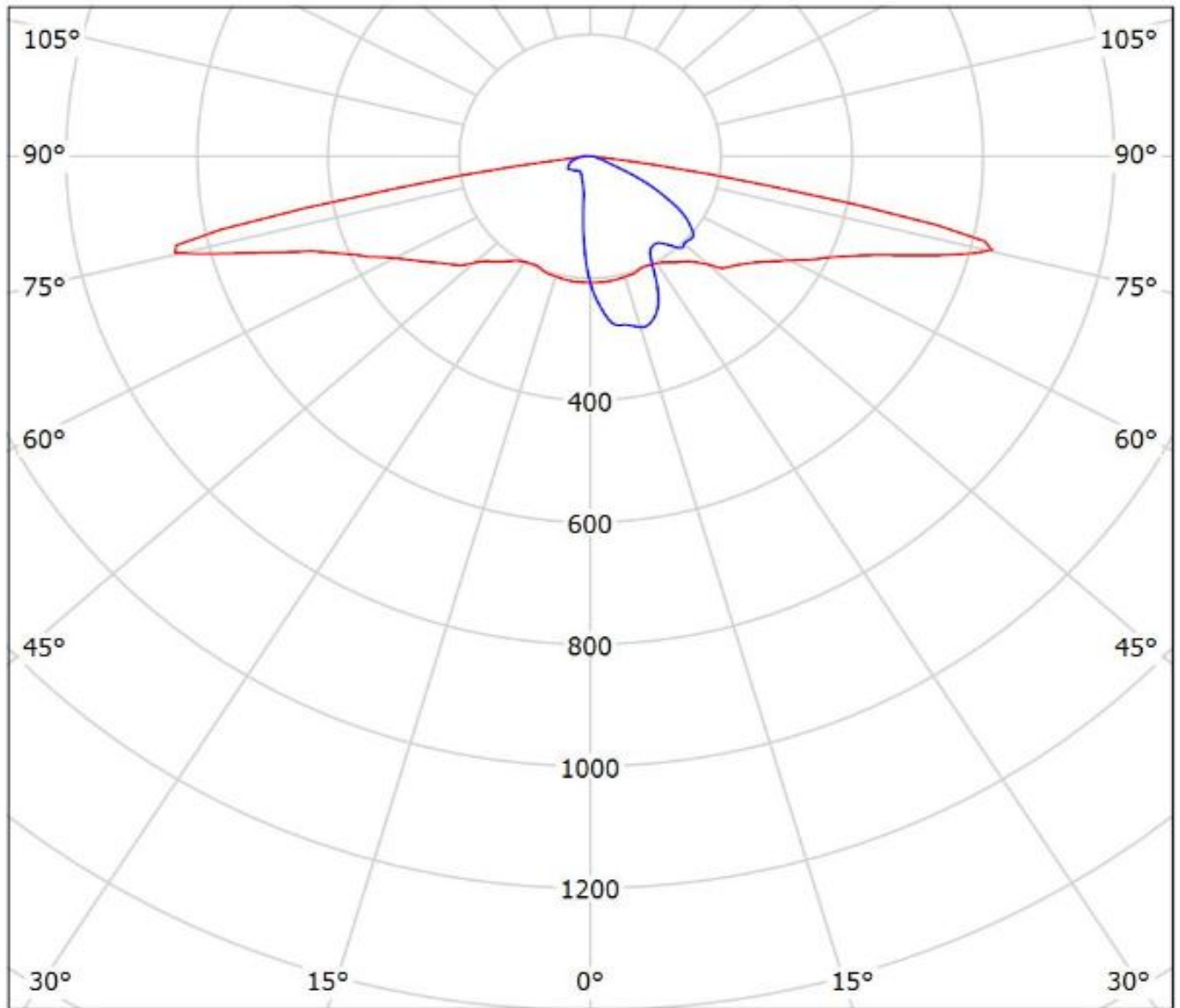
cd/klm

$\eta = 94\%$

— C0 - C180

— C90 - C270

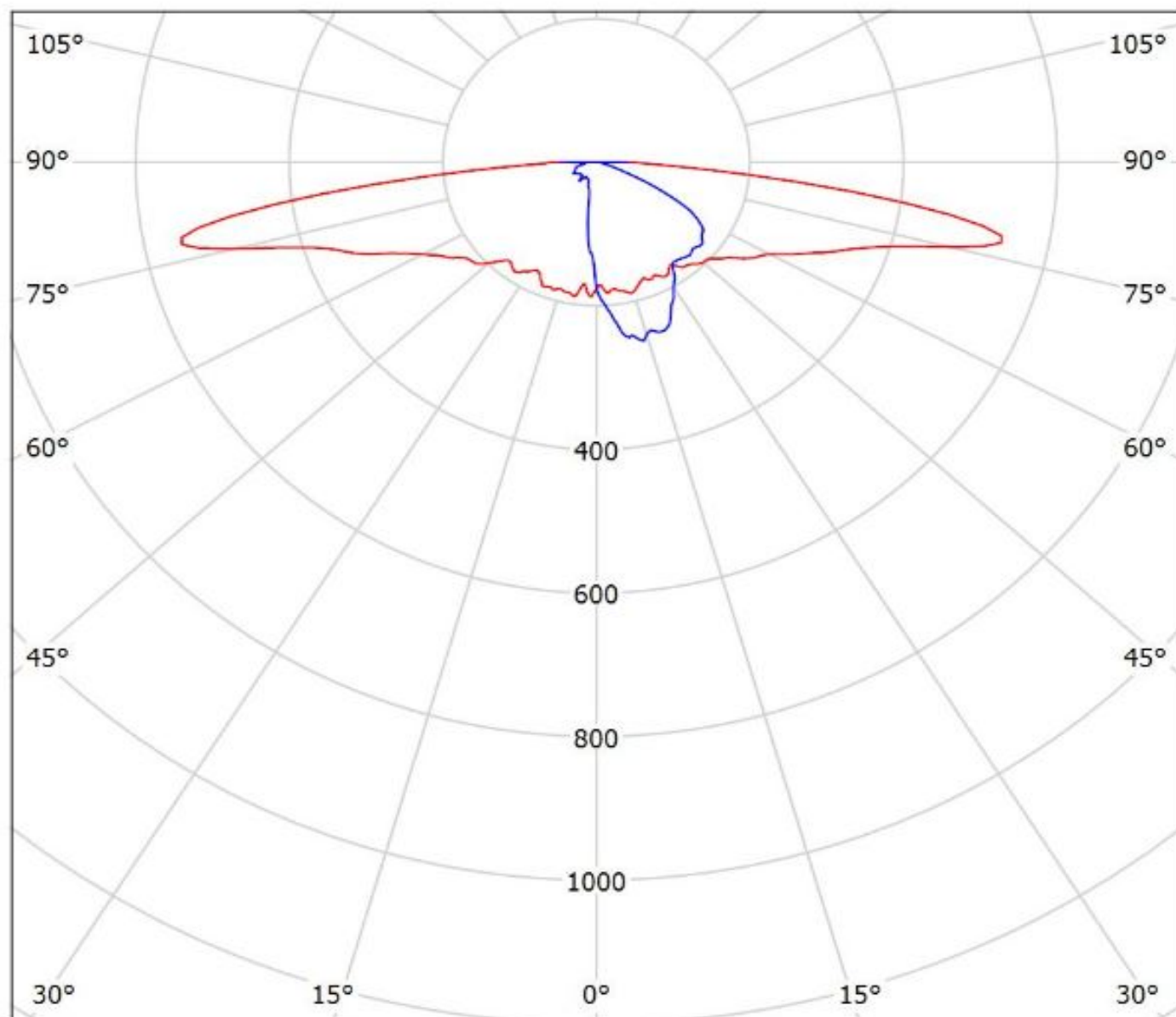
Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3)  
Lamps: 1 x Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3\_1828.23lm@250mA\_P=11.667W\_I=0.25A



cd/klm  
— C0 - C180    — C90 - C270

$\eta = 95\%$

Luminaire: Ledil Oy C15021\_STRADA-2X2-SCL\_Fortimo FastFlex LED board 2x8 DAX G4\_SIMULATED  
Lamps: 1 x Fortimo FastFlex LED board 2x8 DAX G4



cd/klm

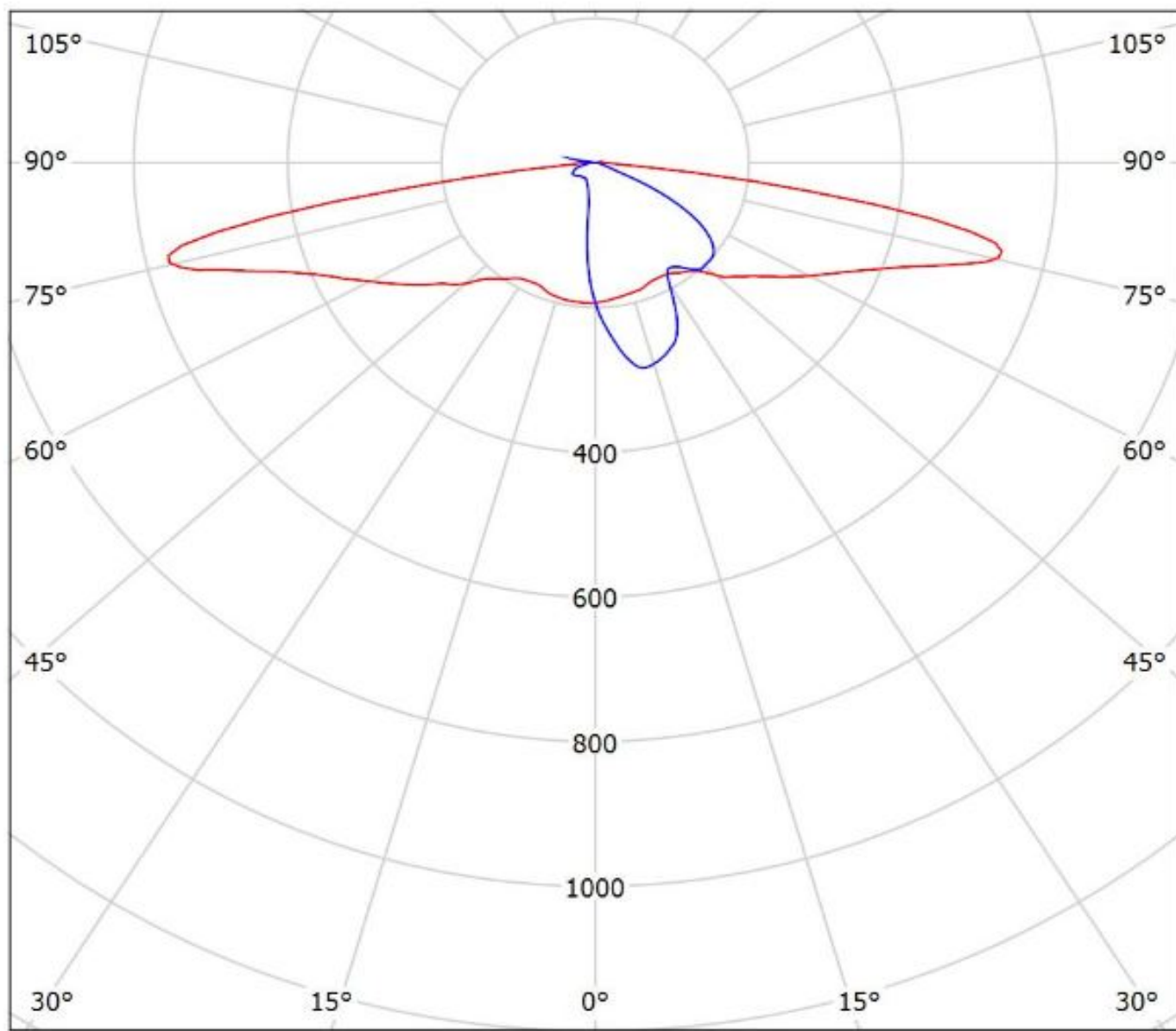
— C0 - C180

— C90 - C270

$\eta = 90\%$

Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(LH351B)

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

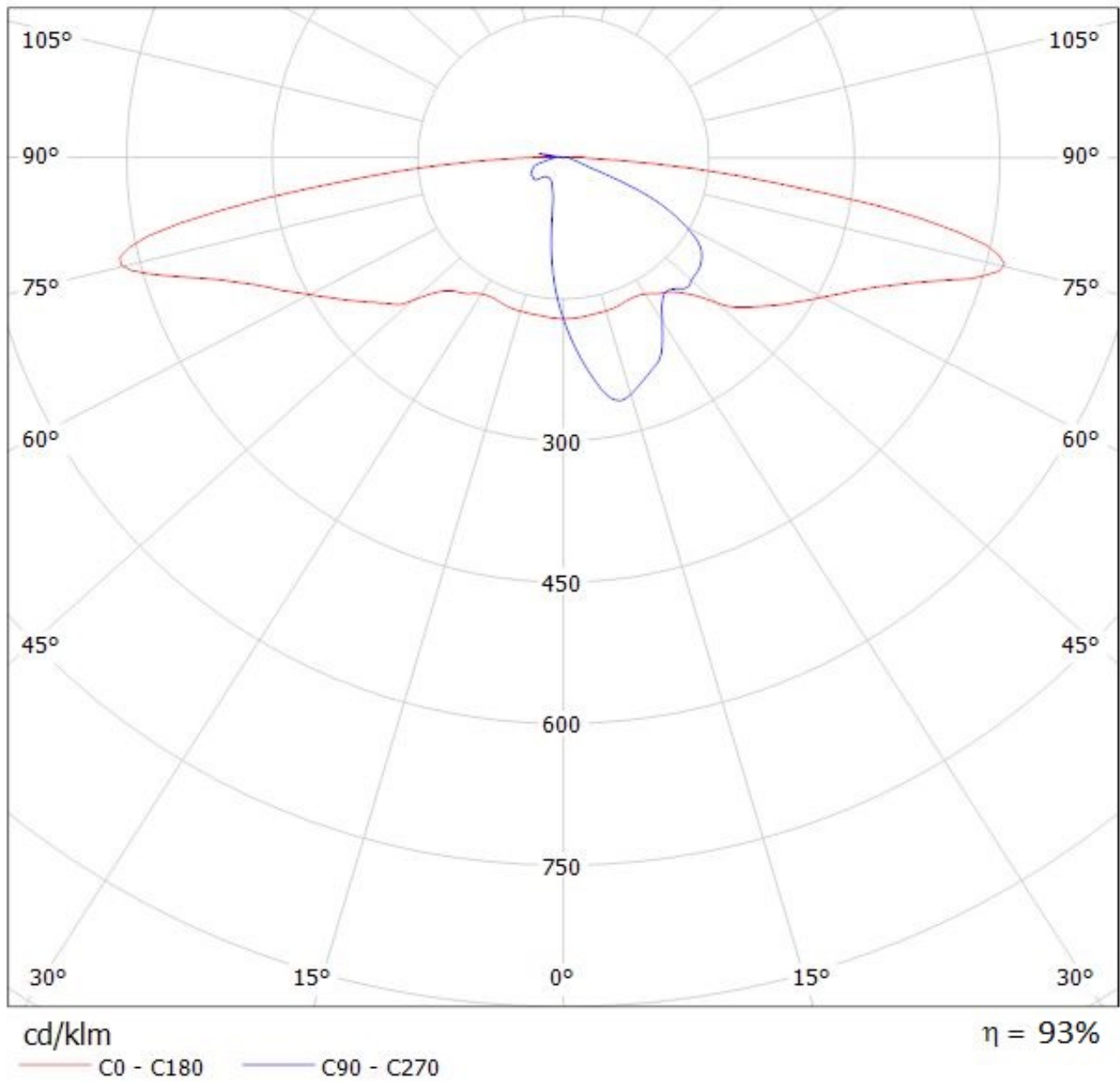


cd/klm

— C0 - C180    — C90 - C270

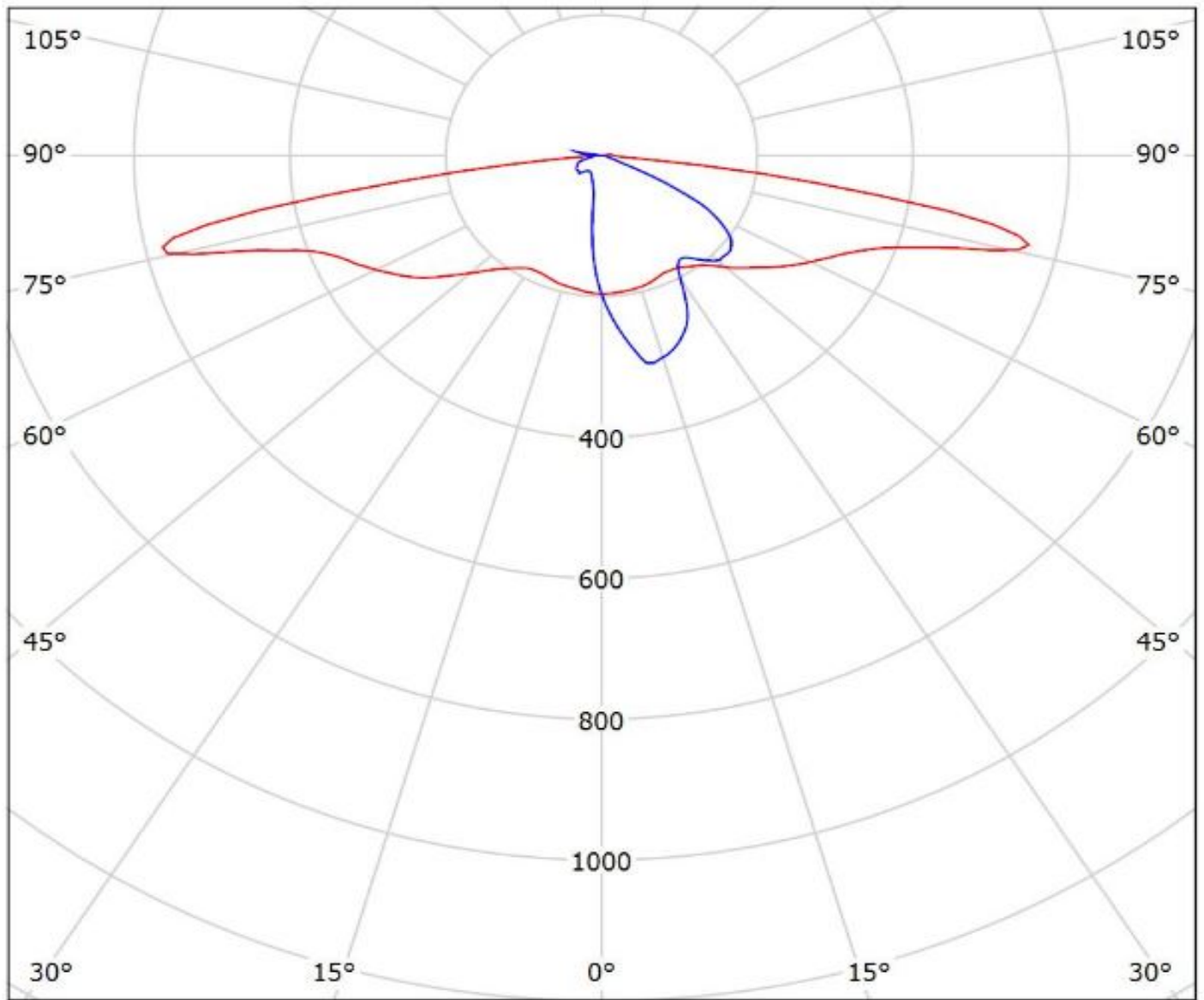
$\eta = 95\%$

Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(LH351D)  
Lamps: 1 x Samsung\_LH351D\_524.264lm@250mA\_P=2.7523W\_I=0.250A



Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(LH351C)

Lamps: 1 x Samsung\_LH351C\_518.223lm@250mA\_P=2.85225W\_I=0.25A



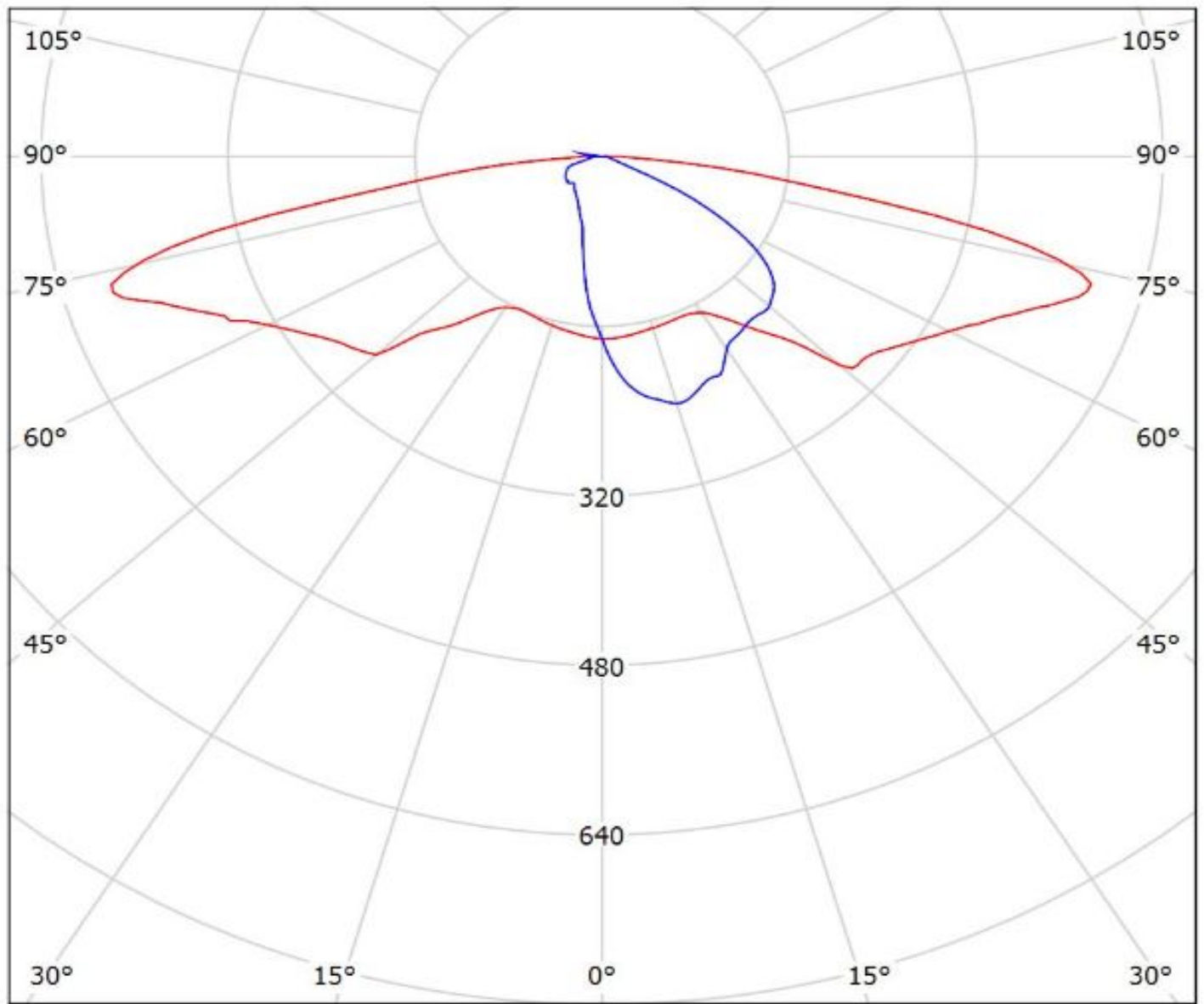
cd/klm

— C0 - C180 — C90 - C270

$\eta = 97\%$

Luminaire: Ledil C15021\_STRADA-2X2-SCL\_(LH508A)

Lamps: 1 x Samsung\_LH508A\_2x2\_2060.04lm@160mA\_CCT=5000K\_CRI=80\_P=15.5405W\_I=0.16A



cd/klm

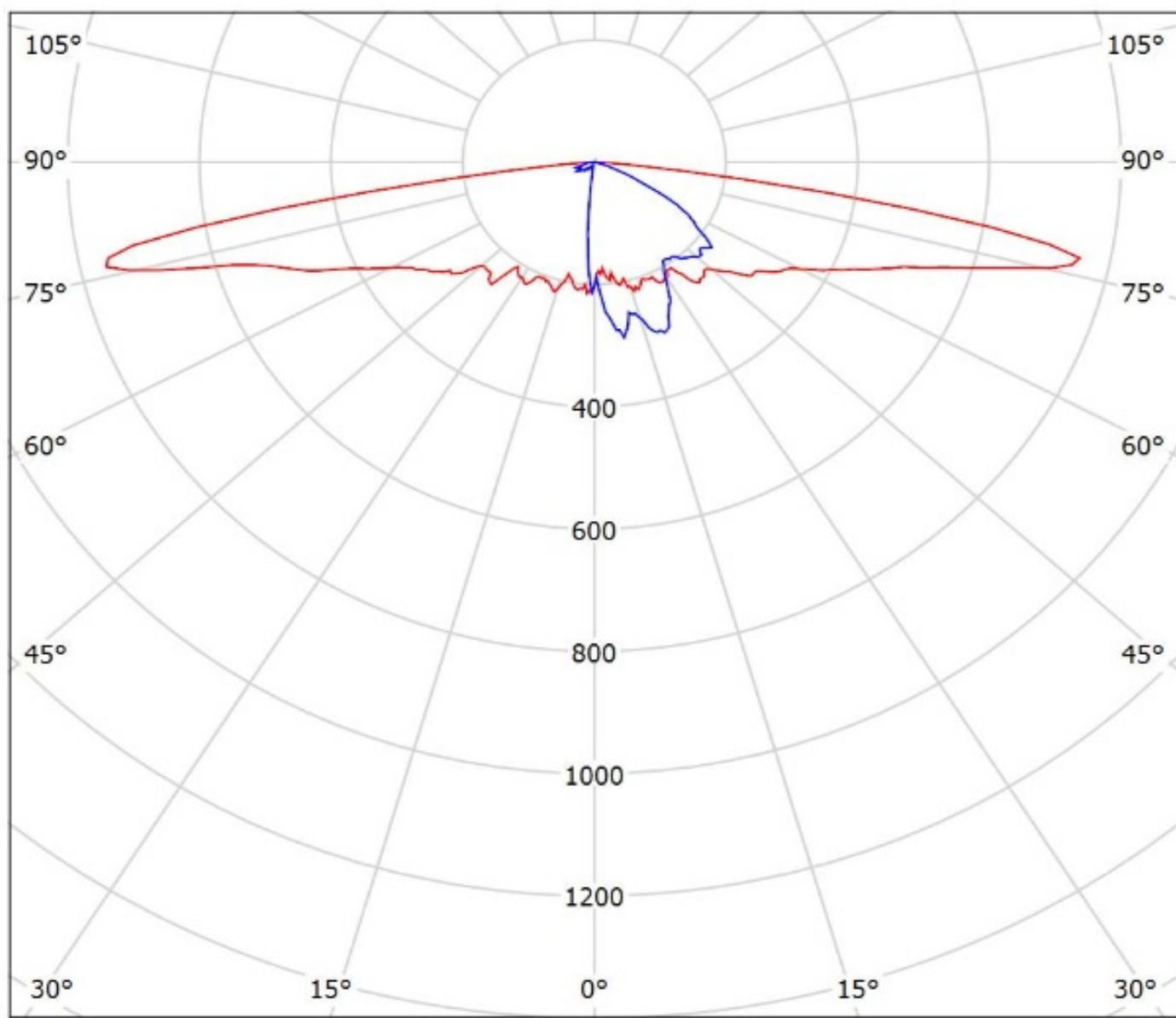
— C0 - C180

— C90 - C270

$\eta = 97\%$



Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Seoul\_Z5M2  
Lamps: 1 x



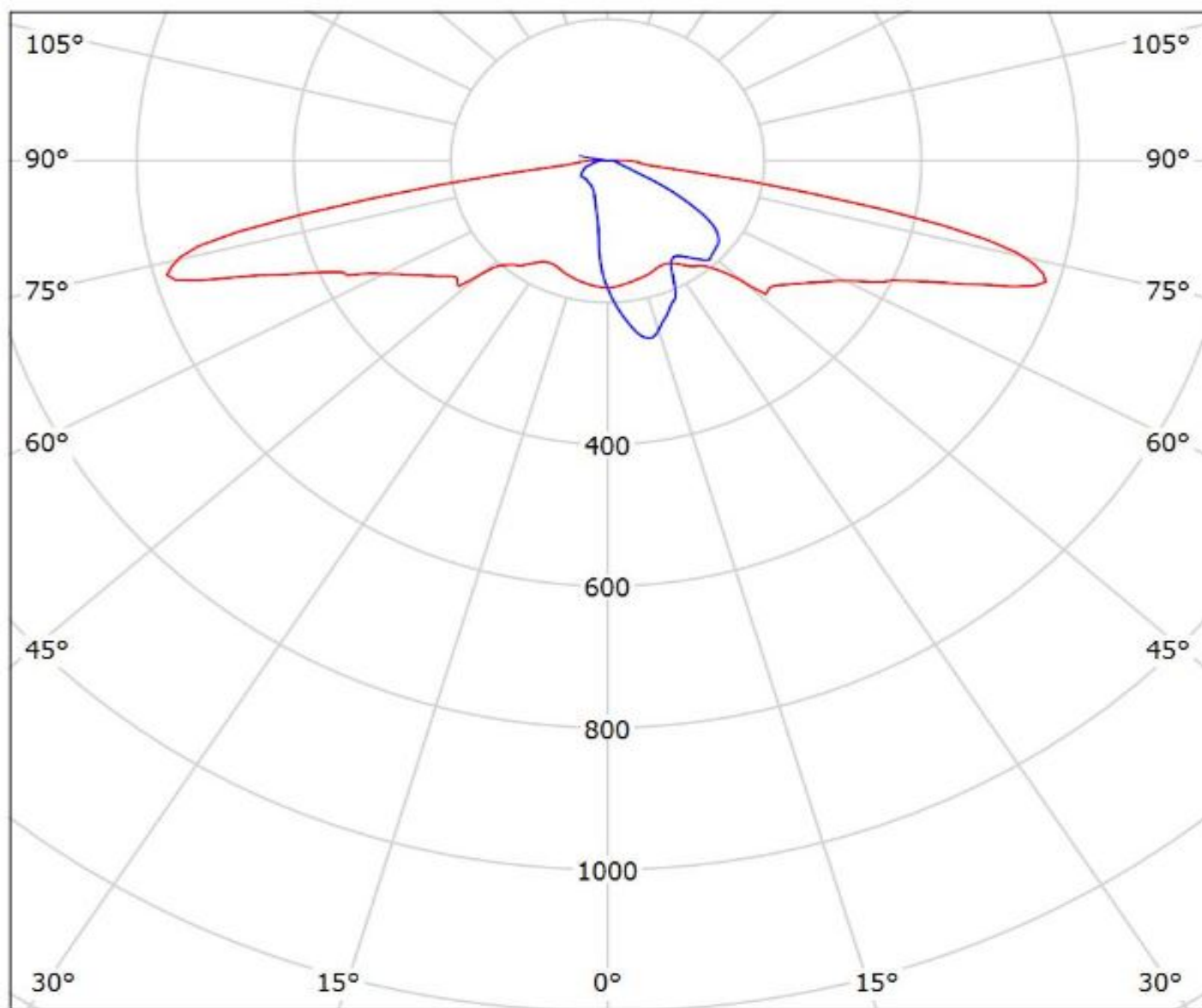
cd/klm

— C0 - C180 — C90 - C270

$\eta = 100\%$

Luminaire: Ledil C15021\_STRADA-2X2-SCL (Z8Y22plus)

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



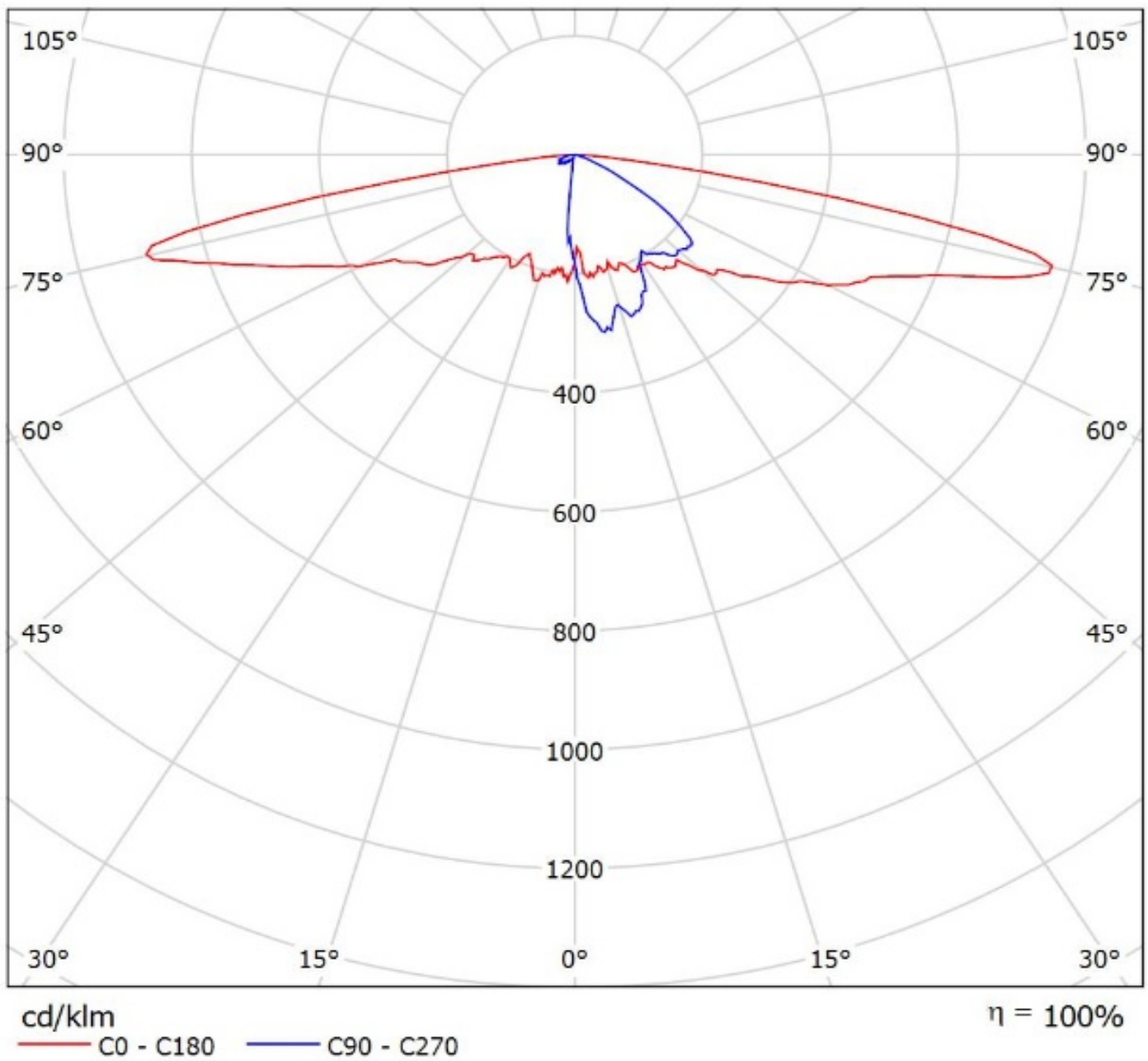
cd/klm

— C0 - C180 — C90 - C270

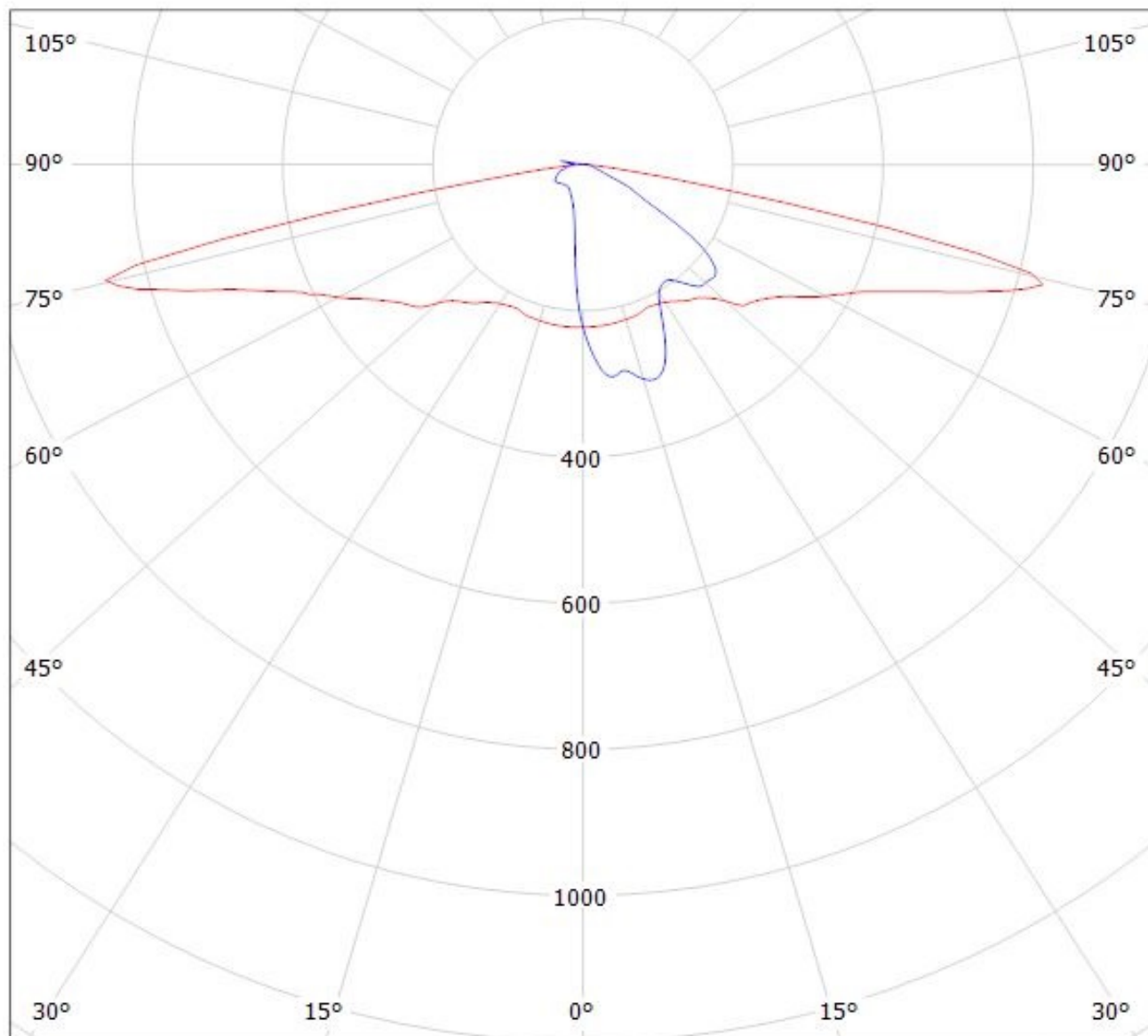
$\eta = 96\%$

Luminaire: SIMULATED\_C15021\_STRADA-2X2-SCL\_Toshiba\_TL1L4

Lamps: 1 x



Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4594.42lm@700mA\_P=32.1515W\_I=0.700A

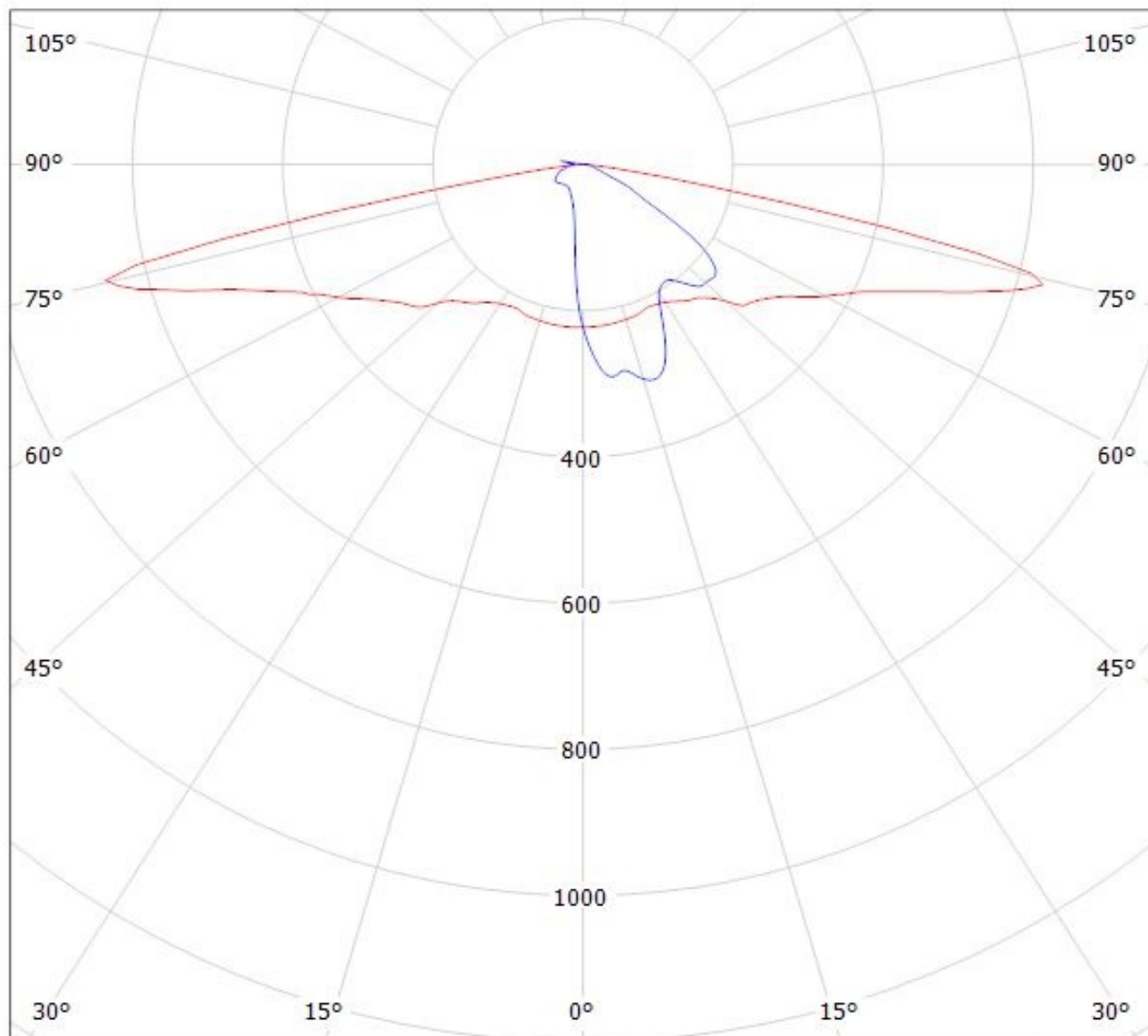


cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4594.42lm@700mA\_P=32.1515W\_I=0.700A

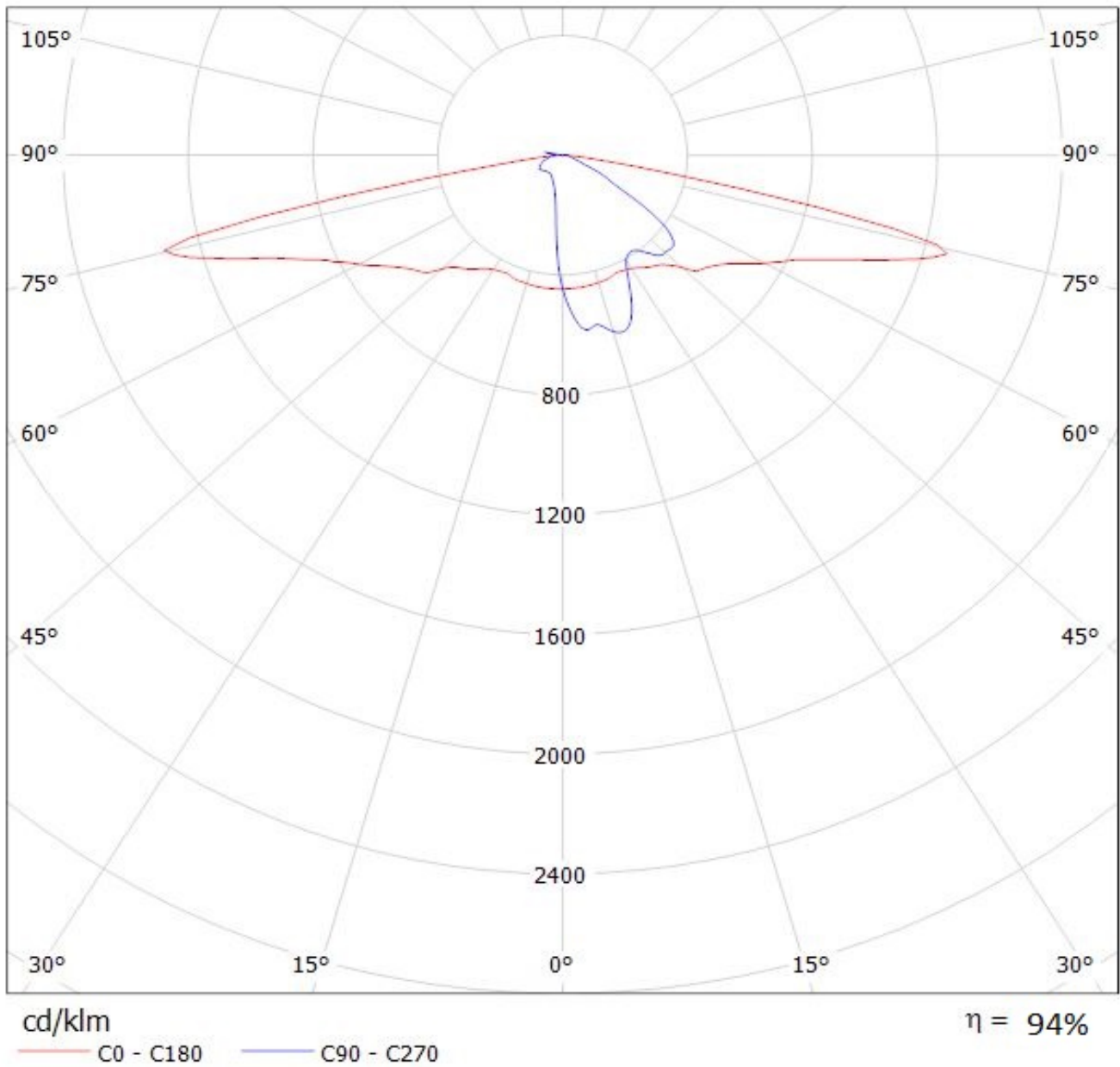


cd/klm

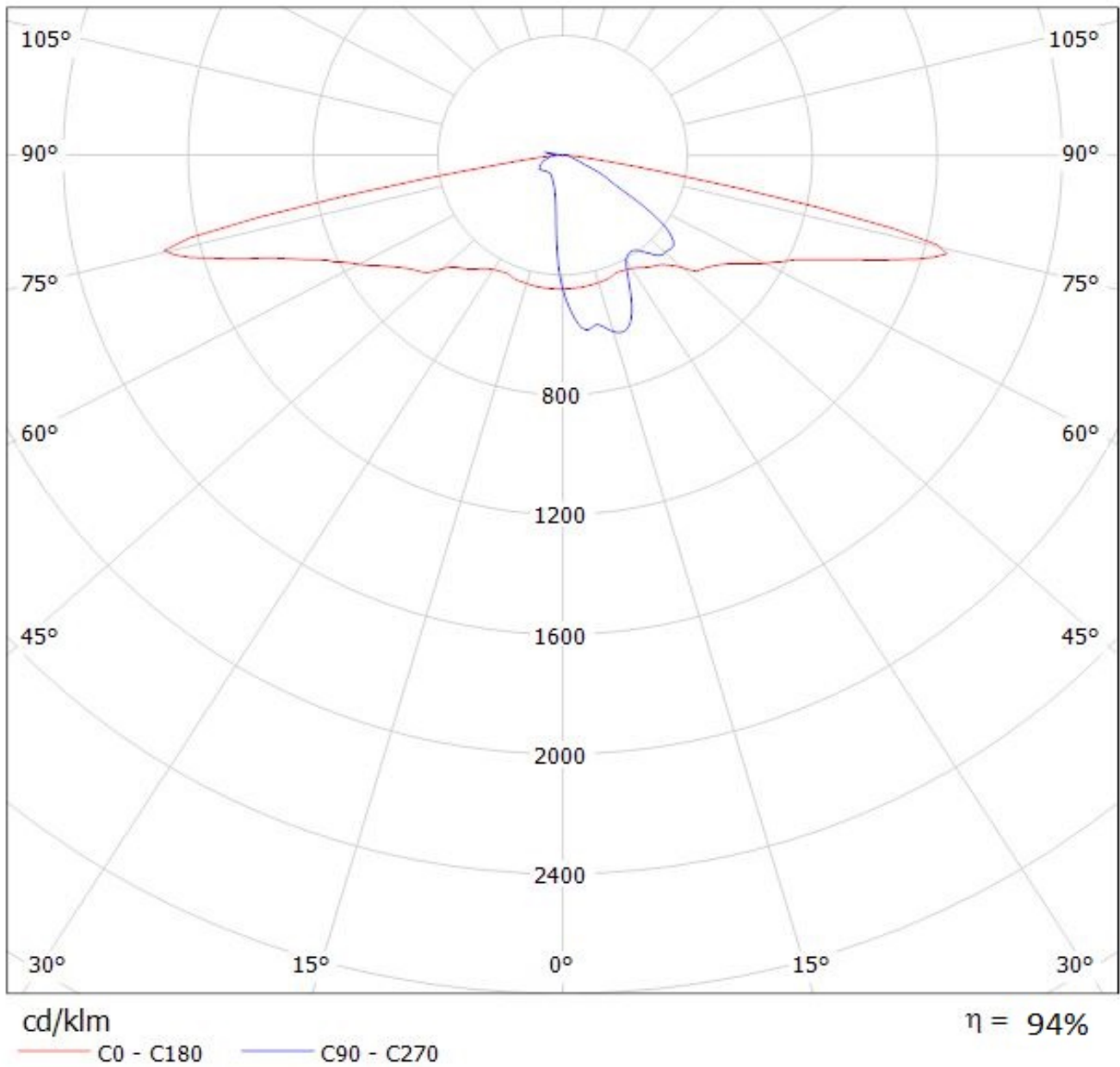
— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A



Luminaire: LEDiL Oy C15021\_STRADA-2X2-SCL\_(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.**