

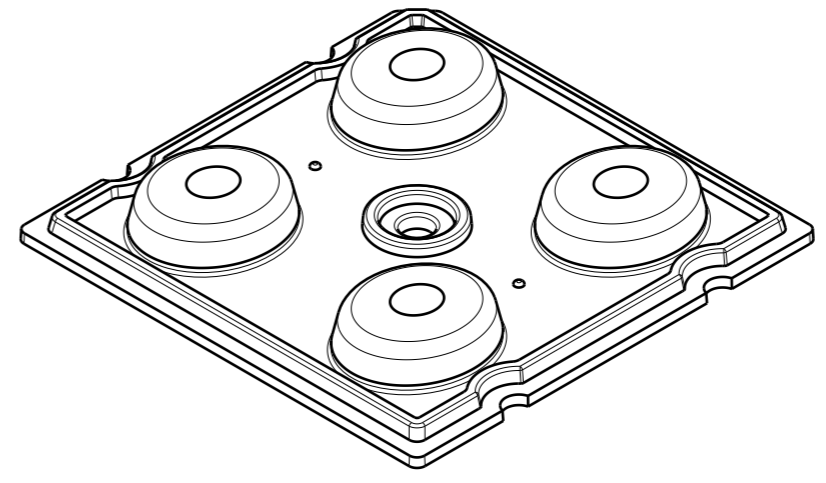
## DETAILS

<b>Product Number</b>	C14750_STRADA-2X2-CAT
<b>Family</b>	Strada
<b>Type</b>	Lens
<b>Color</b>	clear
<b>Diameter</b>	50x50 mm
<b>Height</b>	6,2 mm
<b>Style</b>	rectang
<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>	23/08/2016

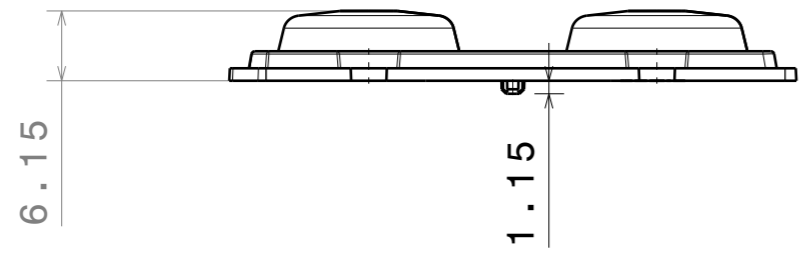


## OPTICAL PROPERTIES

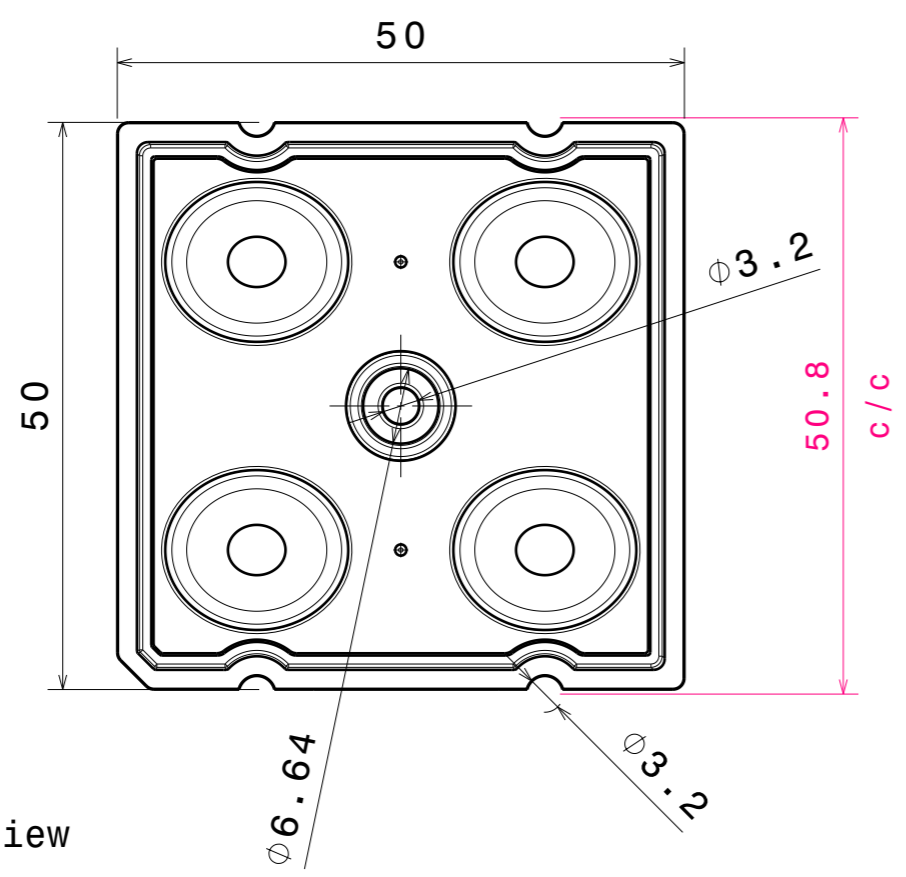
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XP-G2	153+118 deg	Streetligh...	94 %	0.380	-
XM-L	sim: 109+152	Streetligh...	sim: 93 %	sim: 0.360	-
XD16	148+133 deg	Streetligh...	94 %	0.570	-
H35C1 (LEMWA33)	154+116 deg	Streetligh...	94 %	0.330	-
LUXEON 5050	sim: 152+90	Streetligh...	sim: 94 %	sim: 0.370	-
LUXEON V	152+117 deg	Streetligh...	94 %	0.330	-
NVSxx19B/NVSxx19C	sim: Asymmetri	Streetligh...	sim: 92 %	sim: 0.440	-
NVSxE21A	142+130 deg	Streetligh...	94 %	0.470	-
NVSW3x9A	152+125 deg	Streetligh...	94 %	0.490	-
Duris S8	sim: 108+151	Streetligh...	sim: 94 %	0.420	-
Oslon Square Gen3	152+119 deg	Streetligh...	94 %	0.360	-
Duris P9	sim: 153+92	Streetligh...	sim: 94 %	sim: 0.370	-
PrevaLED Brick DC 2x8	152+119 deg	Streetligh...	94 %	0.360	-
Fortimo FastFlex LED board 2x8 DA G4	117+153 deg	Streetligh...	94 %	0.500	-
Fortimo FastFlex LED board 2x8 DAX G4	sim: 157+94	Streetligh...	sim: 94 %	sim: 0.350	-
LH351B	154+119 deg	Streetligh...	94 %	0.320	-
LH351D	sim: 152+114	Streetligh...	sim: 93 %	sim: 0.330	-
Z8Y22P	151+130 deg	Streetligh...	94 %	0.480	-
RLE G1 49x223mm 4000lm xxx EXC OTD	147+107 deg	Streetligh...	94 %	0.440	-
RLE G1 49x245mm 4000lm xxx EXC OTD	147+107 deg	Streetligh...	94 %	0.440	-
RLE G1 49x121mm 2000lm xxx EXC OTD	147+107 deg	Streetligh...	94 %	0.440	-
RLE G1 49x133mm 2000lm xxx EXC OTD	147+107 deg	Streetligh...	94 %	0.440	-



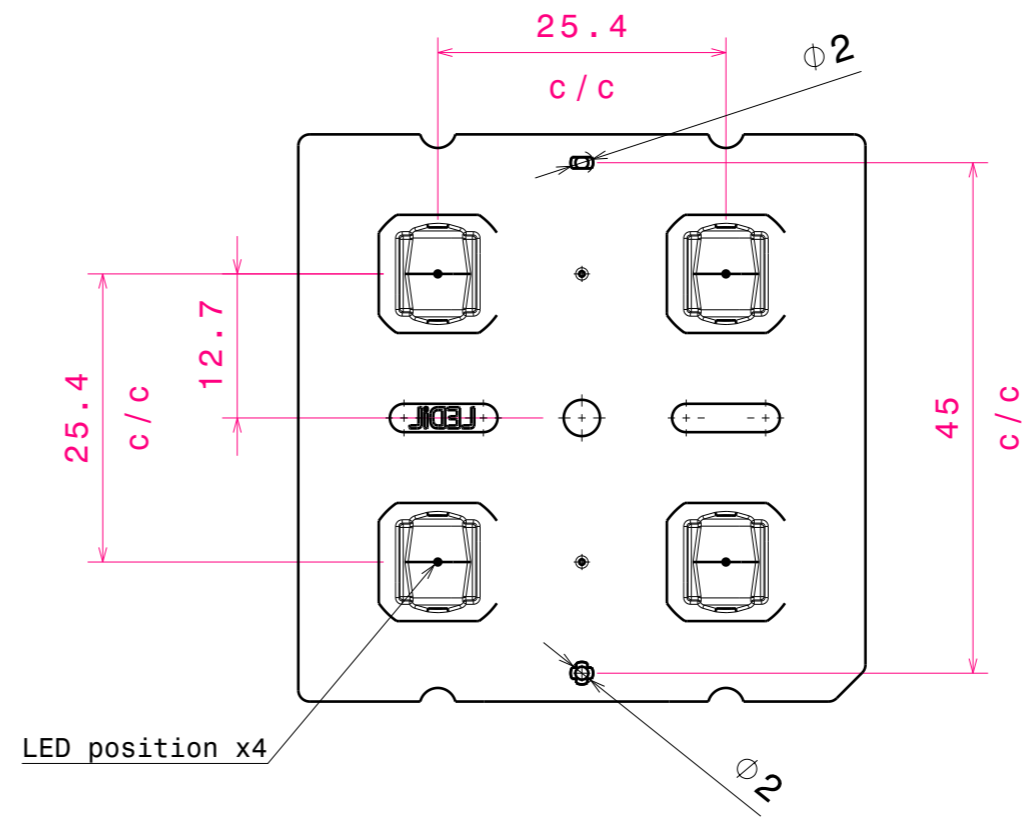
Isometric view



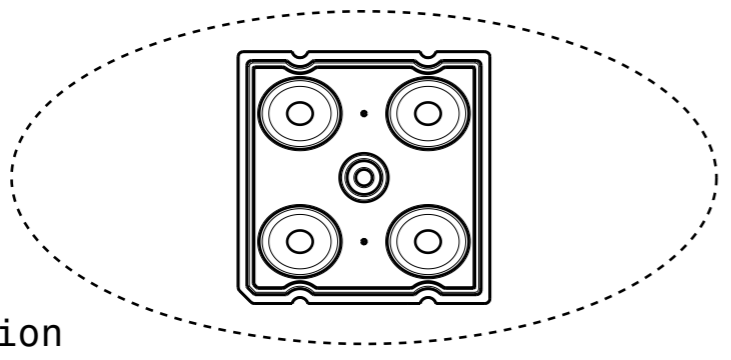
Front view



Top view



Bottom view



Beam direction

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14750	STRADA-2X2-CAT	PMMA	clear

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  
**C14750\_STRADA-2X2-CAT**

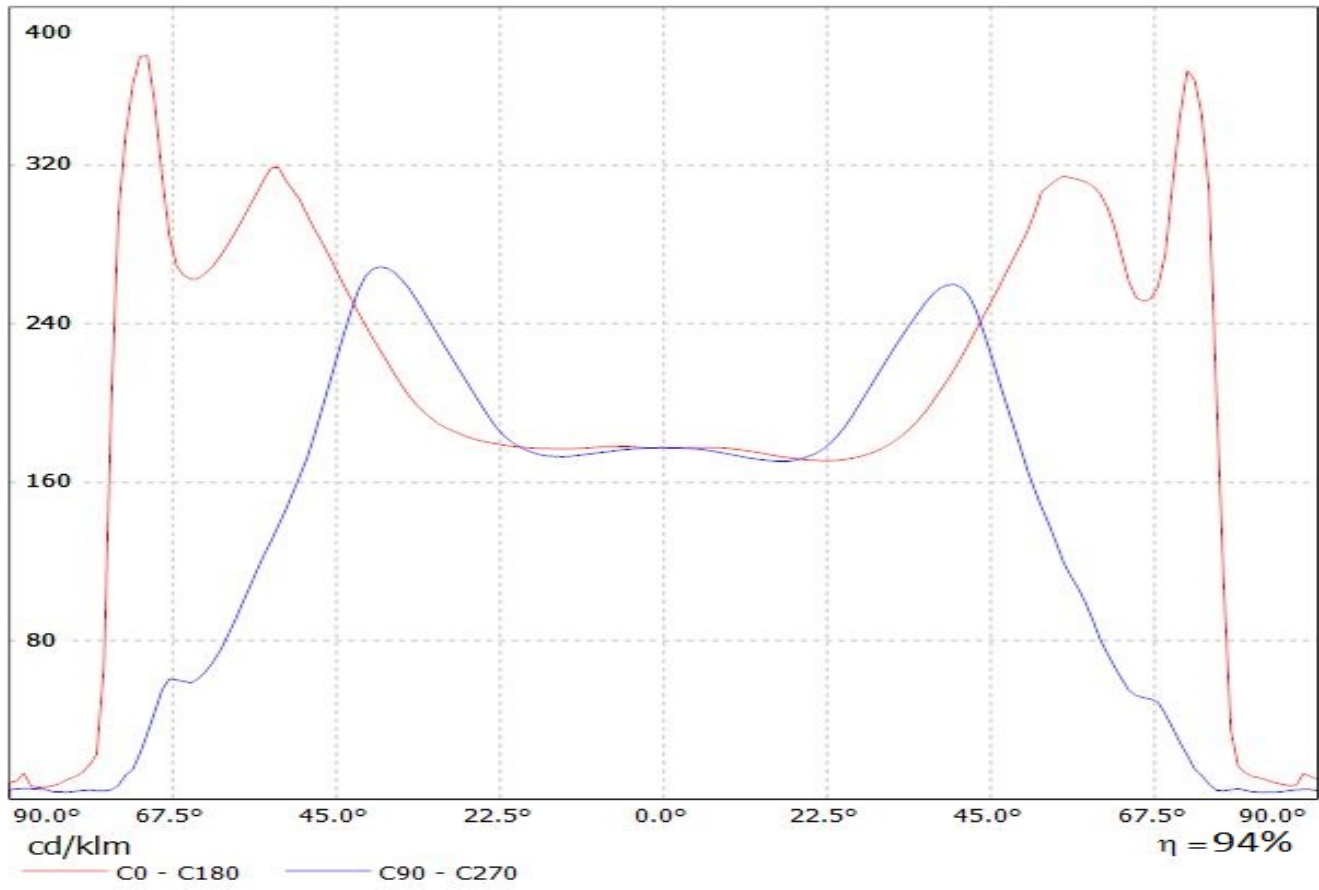
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.

SIZE	PART NUMBER			
<b>A3</b>	<b>C14750</b>			

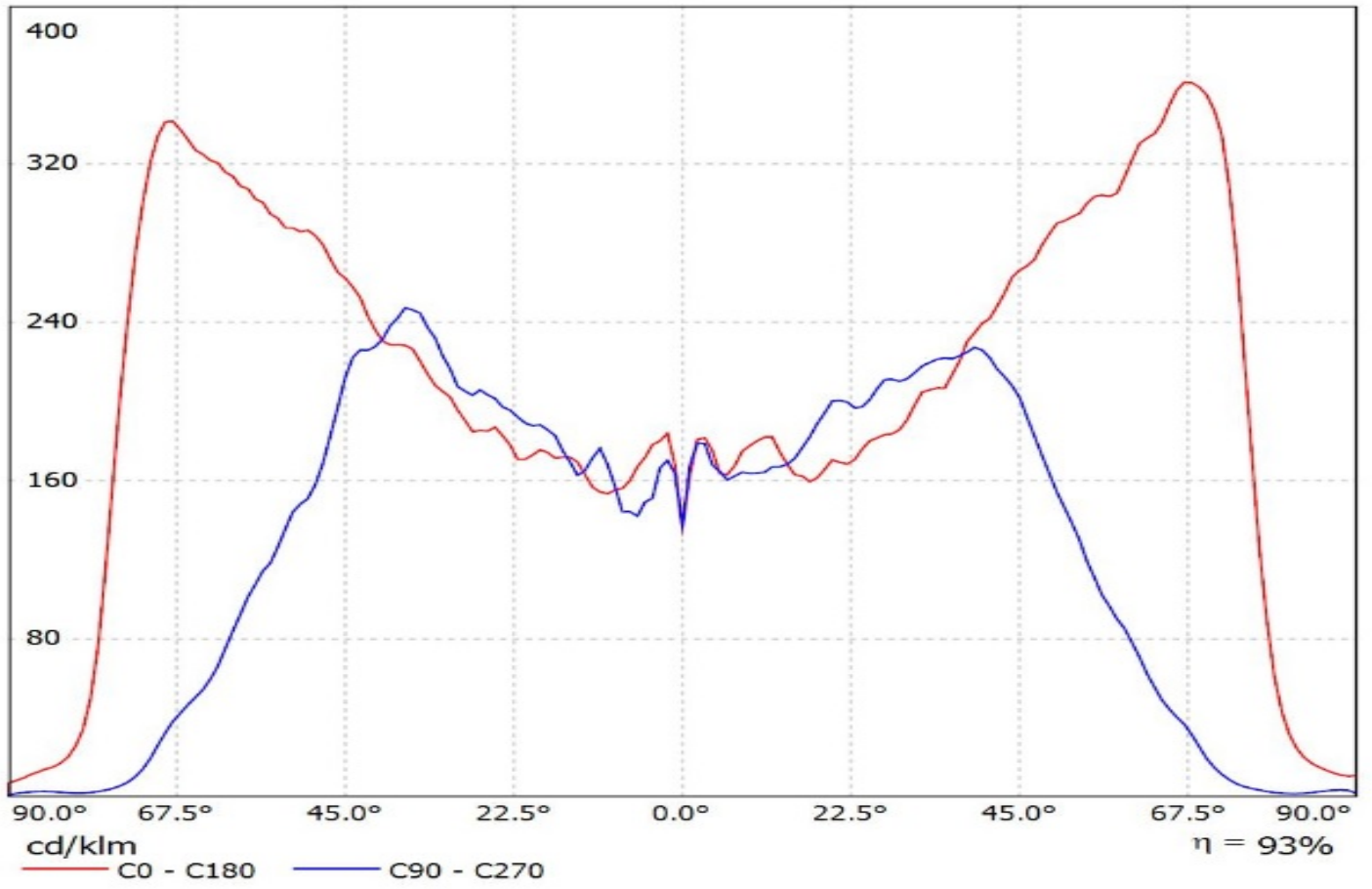
SCALE	3:2	WEIGHT	7g	SHEET	1/1
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Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(XP-G2)

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

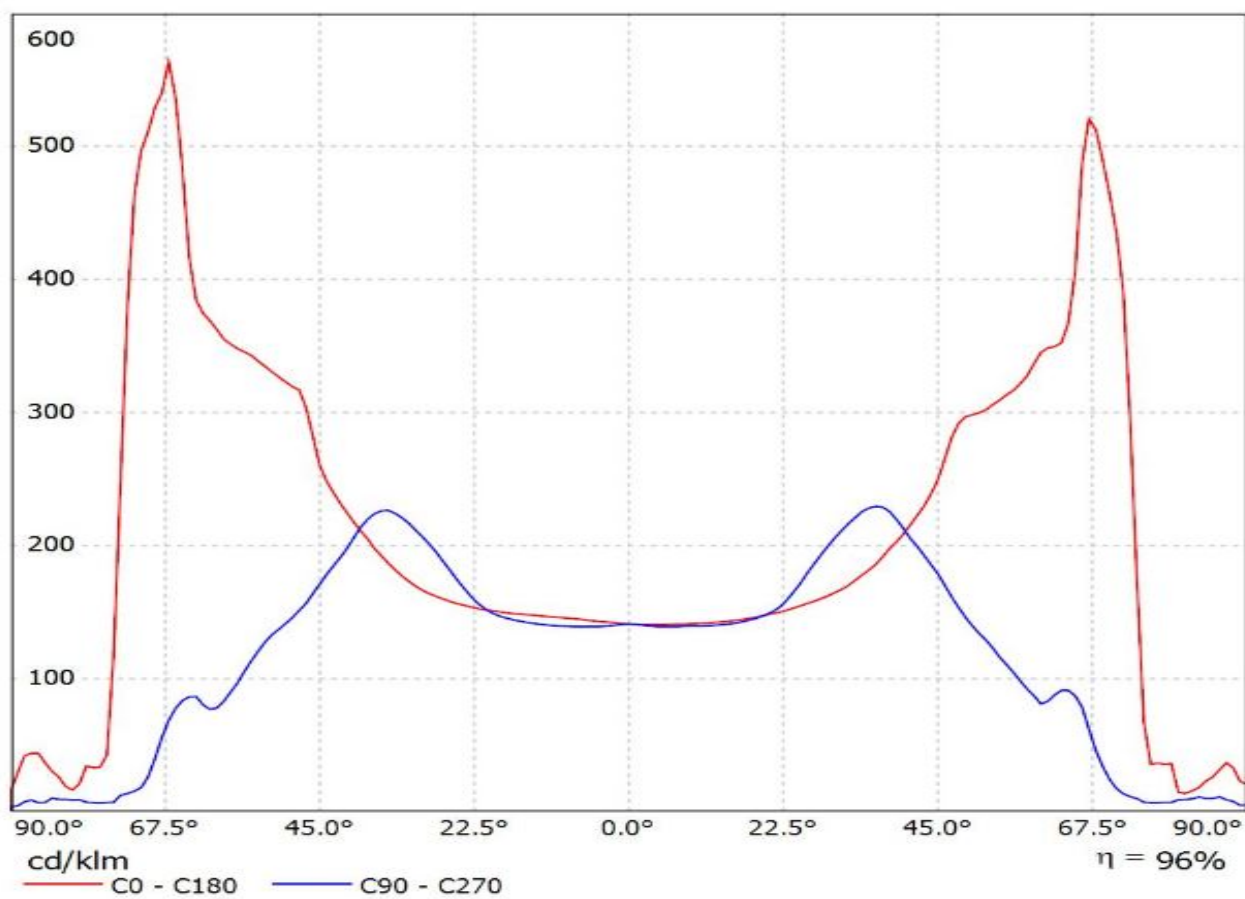


Luminaire: Ledil Oy C14750\_STRADA-2X2-CAT\_(XM-L)\_SIMULATED  
Lamps: 1 x CREE XM-L

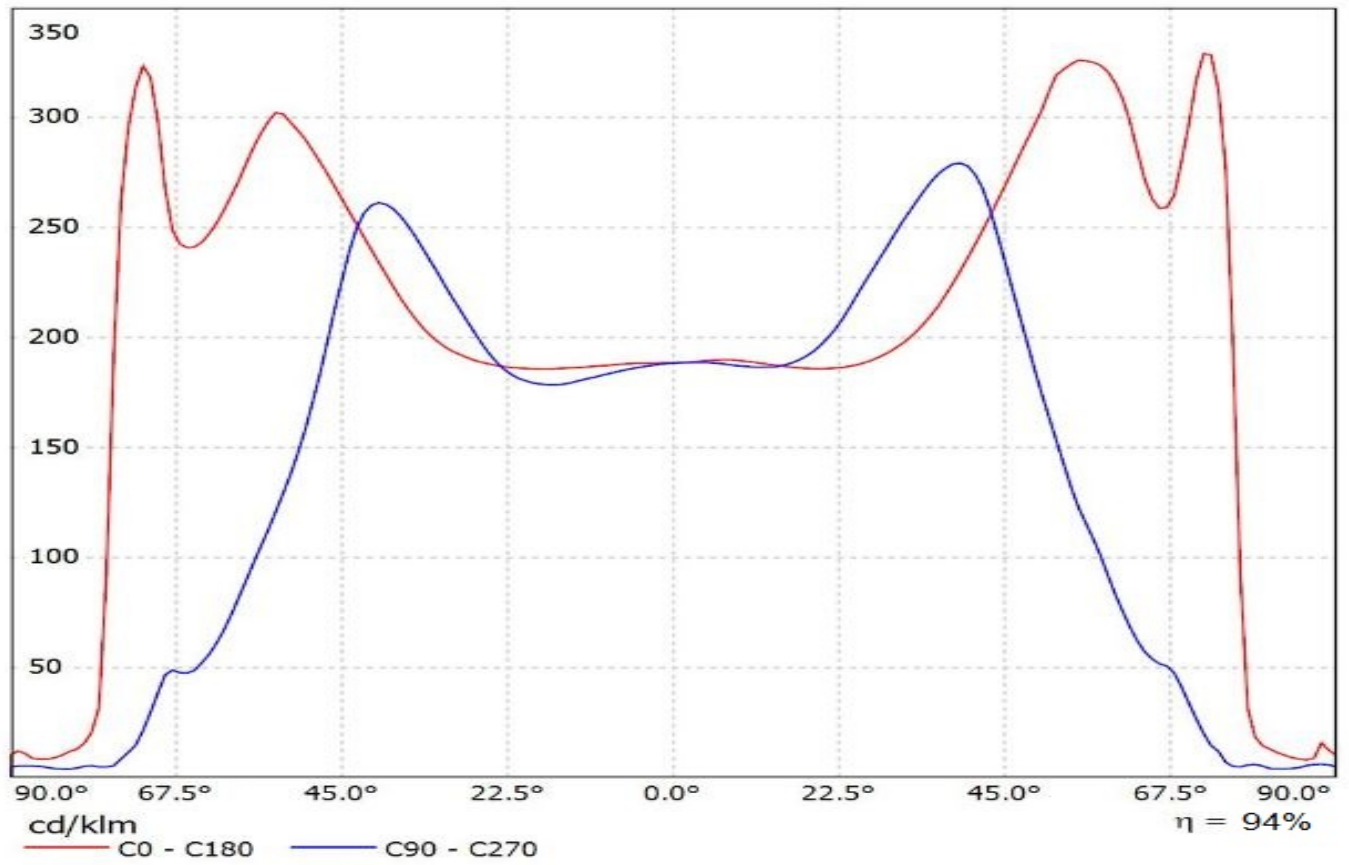


Luminaire: Ledil C14750\_STRADA-2X2-CAT\_(XD16)

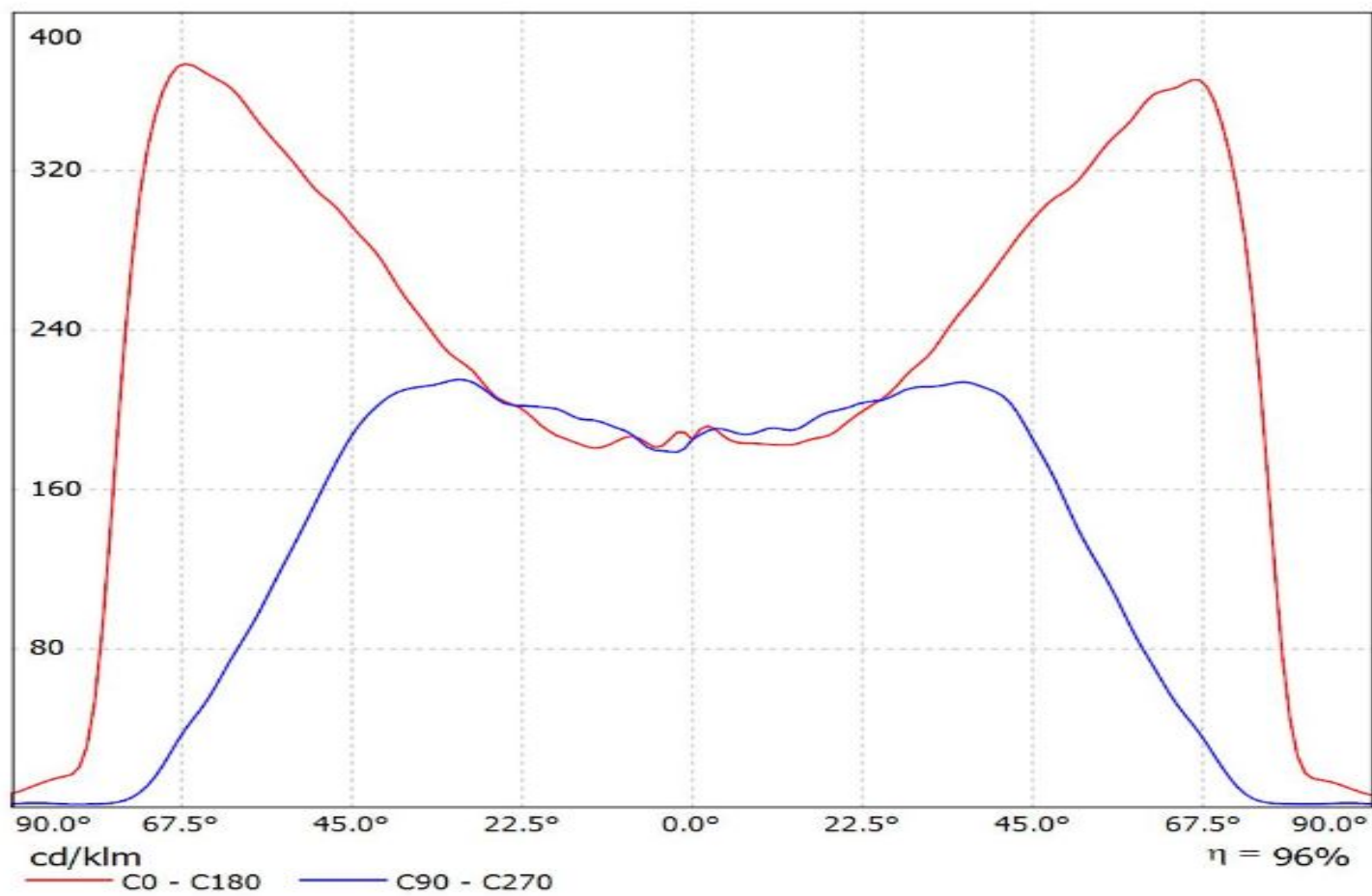
Lamps: 1 x Cree\_XD16\_2x2\_(XD16AWT-H-2B0-S20-0B-002)\_453.677lm@250mA\_CCT=5700K\_P=2.78289W\_I=0.25A



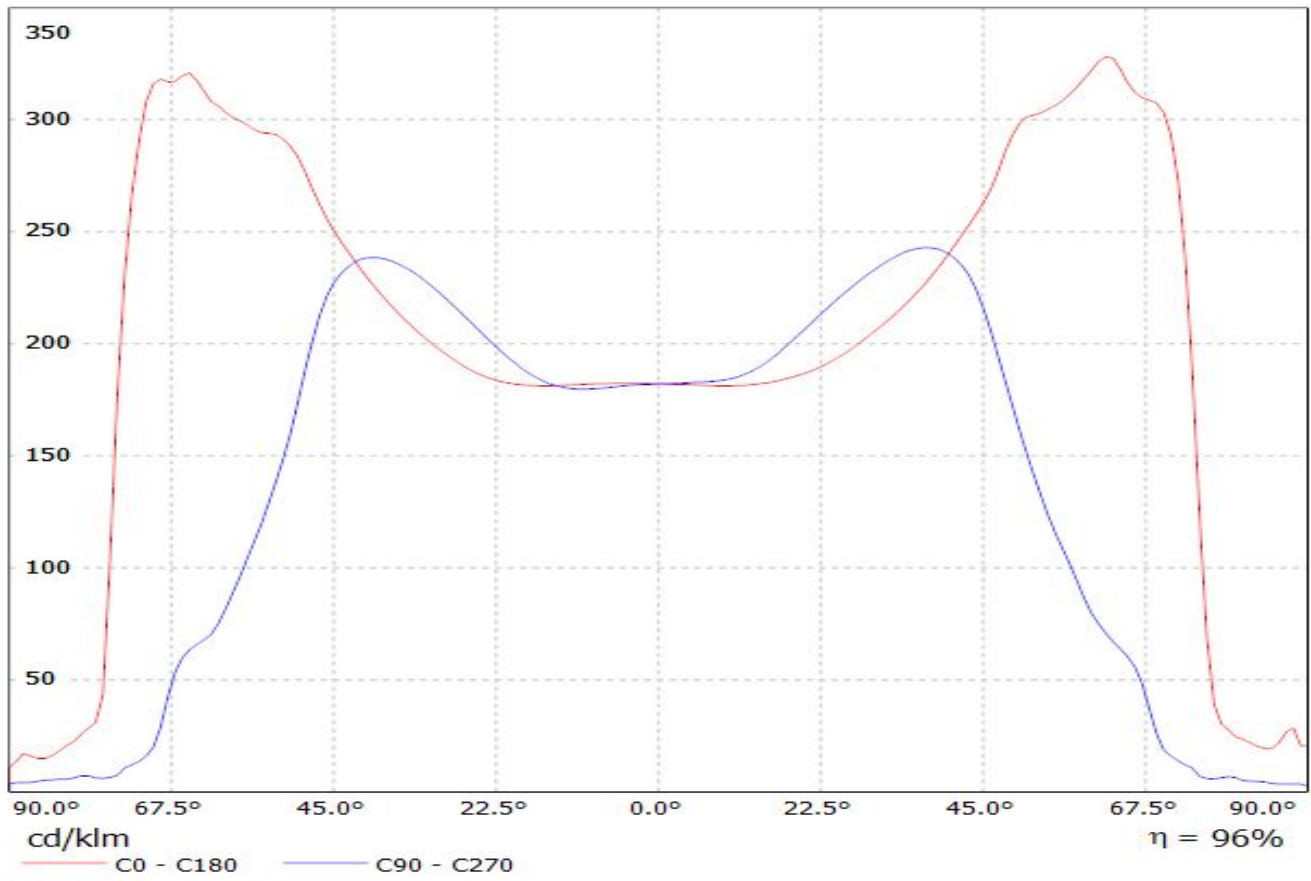
Luminaire: Ledil C14750\_STRADA-2X2-CAT\_(H35C1)  
Lamps: 1 x LG\_H35C1\_2x2\_477.216lm@250mA\_P=2.87475W\_I=0.250A



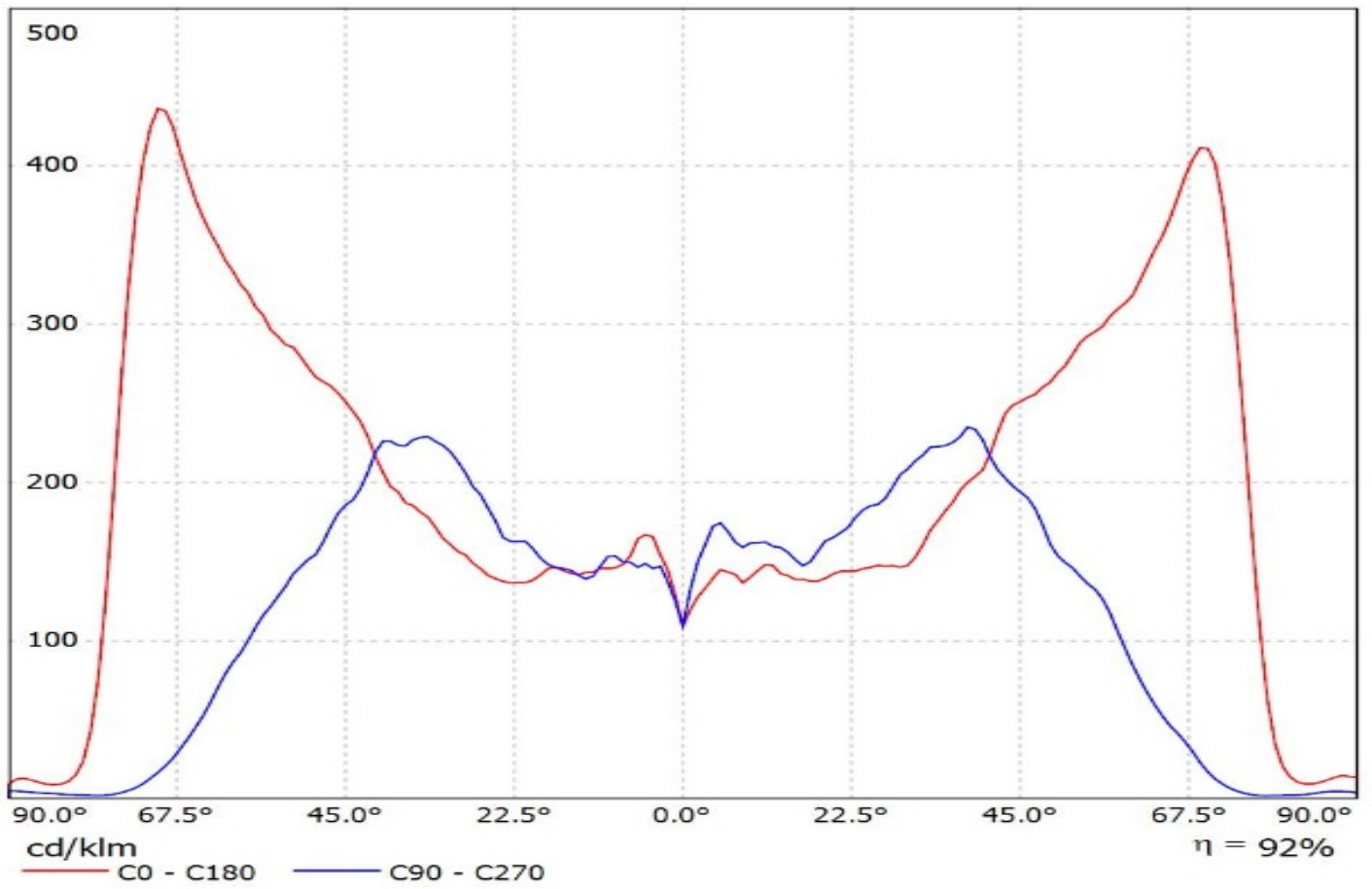
Luminaire: Ledil Oy C14750\_STRADA-2X2-CAT\_(LUXEON 5050)\_SIMULATED  
Lamps: 1 x Lumileds Luxeon 5050



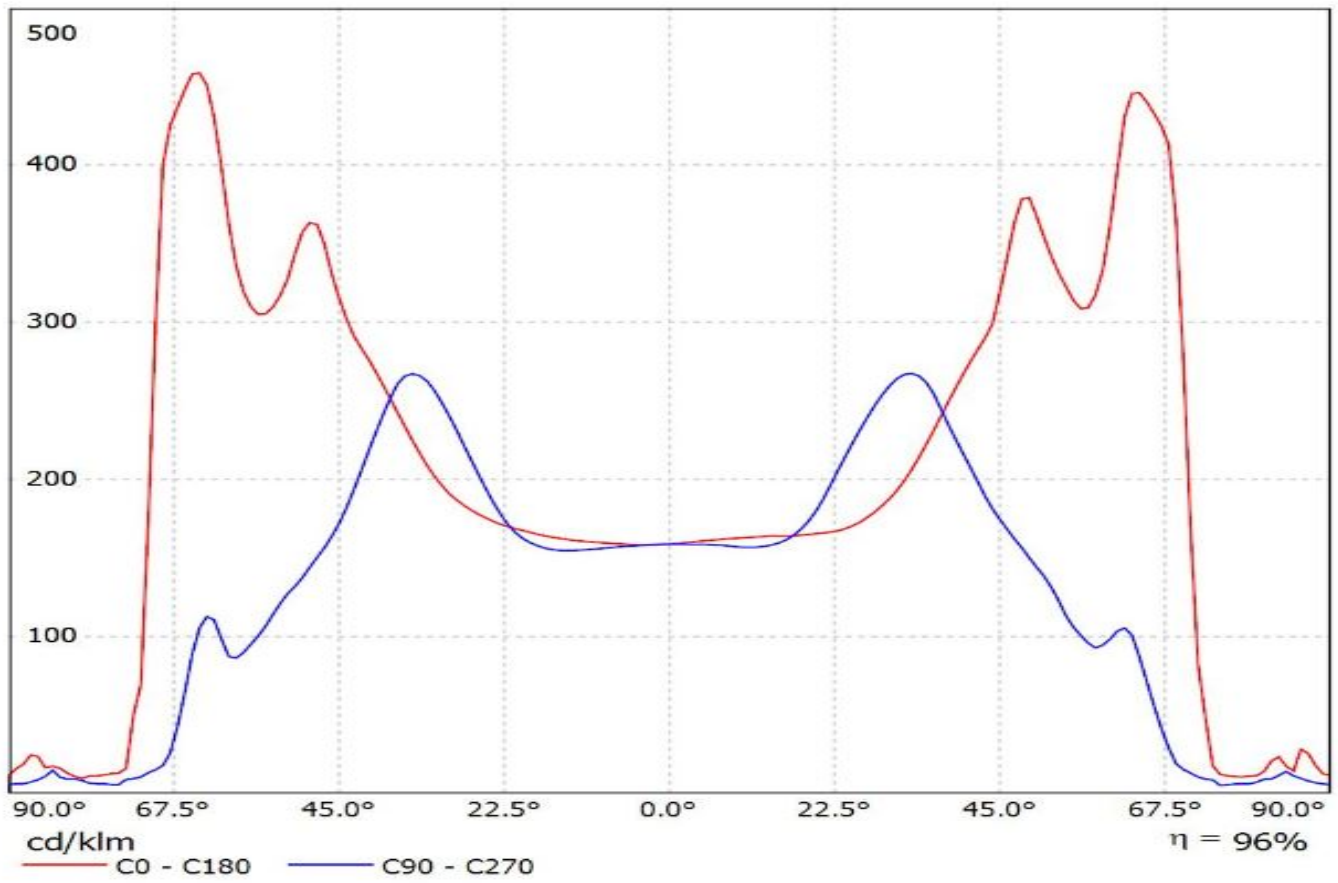
Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(Luxeon\_V)  
Lamps: 1 x Lumileds\_Luxeon\_V\_488.501lm@250mA\_CCT=4000K\_P=2.75155W\_I=0.250A



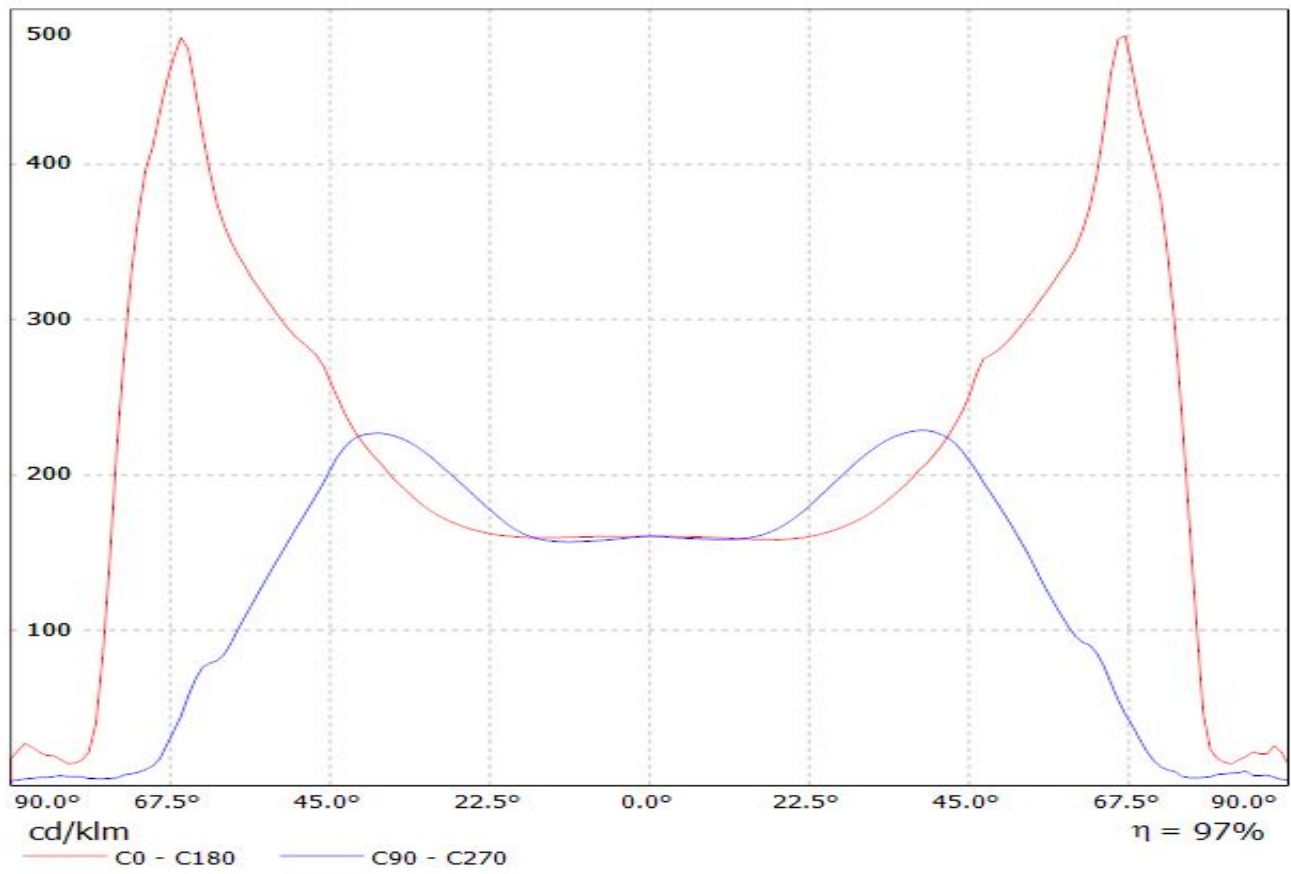
Luminaire: Ledil Oy C14750\_STRADA-2x2-CAT\_(NVSxx19C)\_SIMULATED  
Lamps: 1 x NICHIA\_NVsx219C



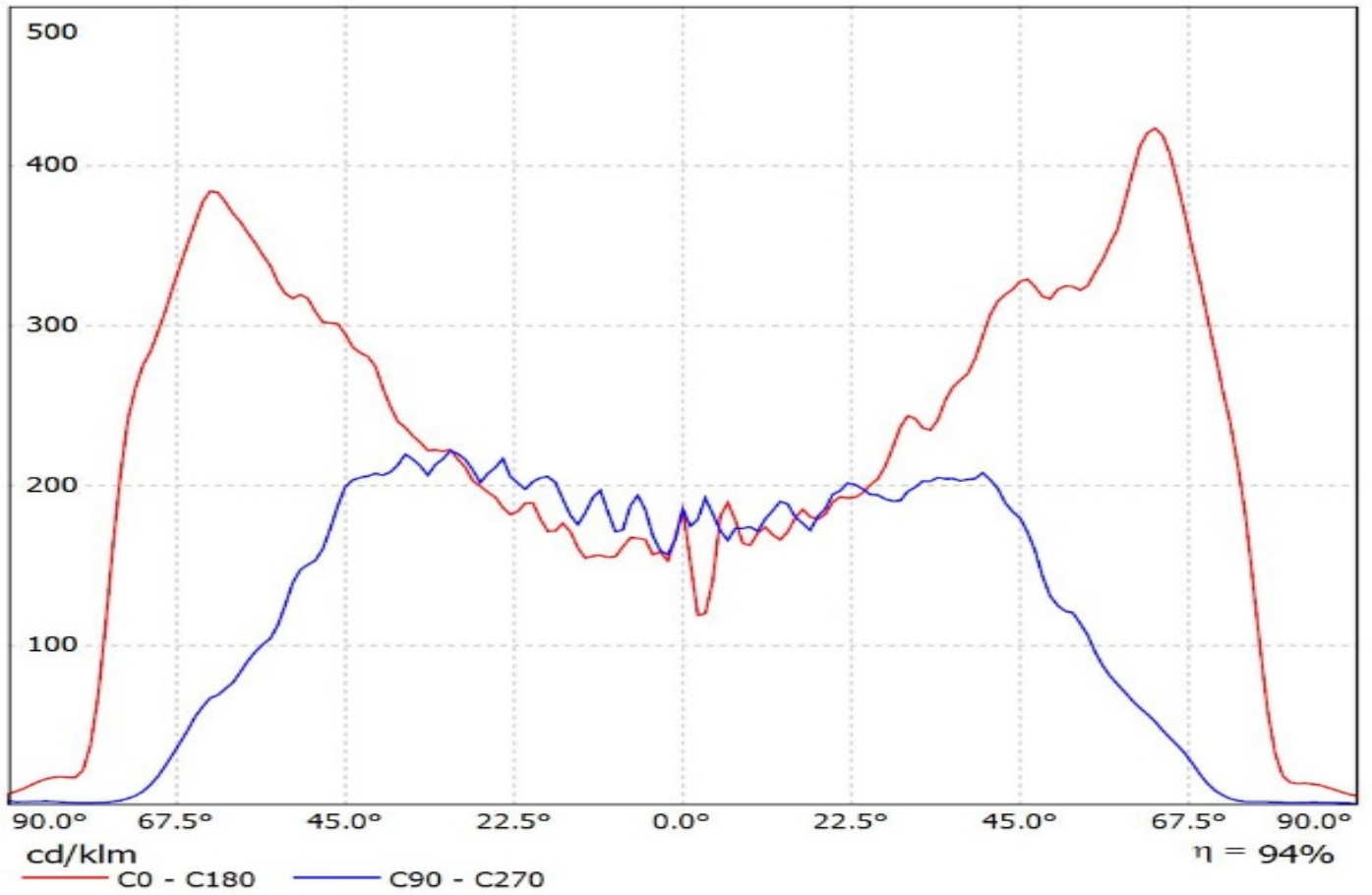
Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(E21A)  
Lamps: 1 x Nichia\_E21A\_452.248lm@250mA\_2.805W\_η=0.250A



Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(NVSW319AE)  
Lamps: 1 x Nichia\_NVSW319AE\_499.093lm@250mA\_P=2.79052W\_I=0.25A

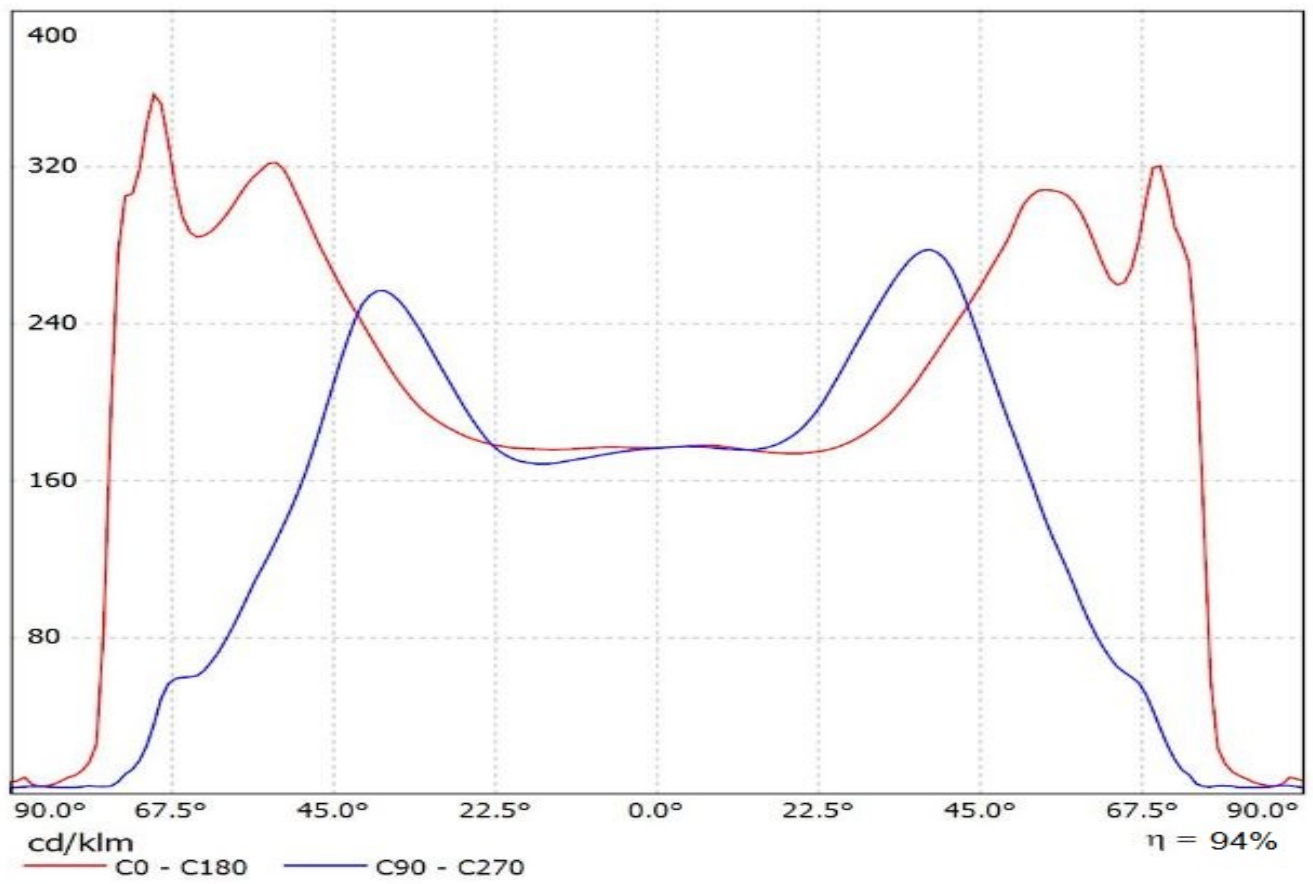


Luminaire: Ledil Oy C14750STRADA-2X2-CAT\_(Duris\_S8\_Gen2)\_SIMULATED  
Lamps: 1 x OSRAM\_DURIS S8 GEN2 5050 package

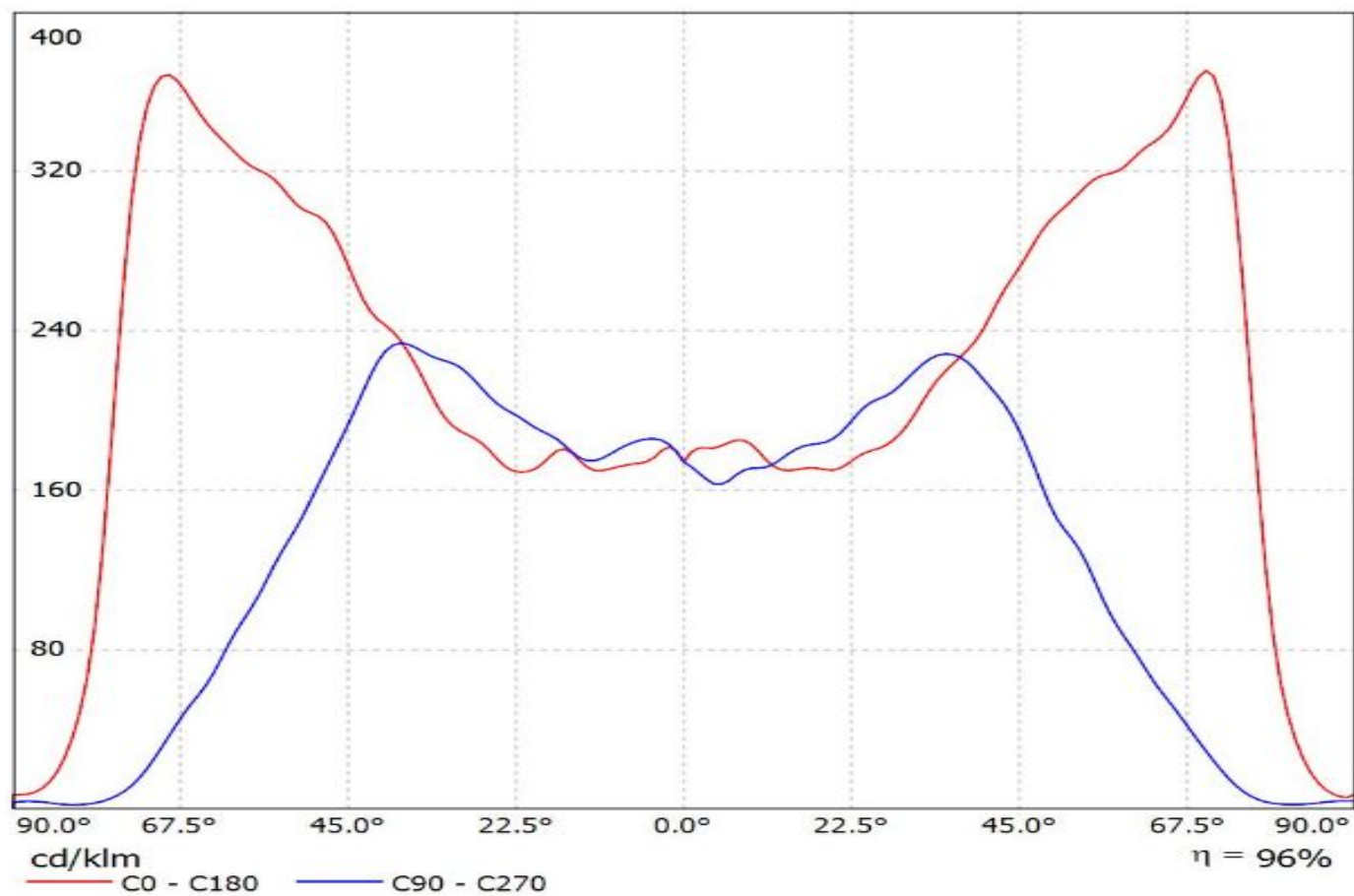


Luminaire: Ledil C14750\_STRADA-2X2-CAT\_(Square\_Gen3)

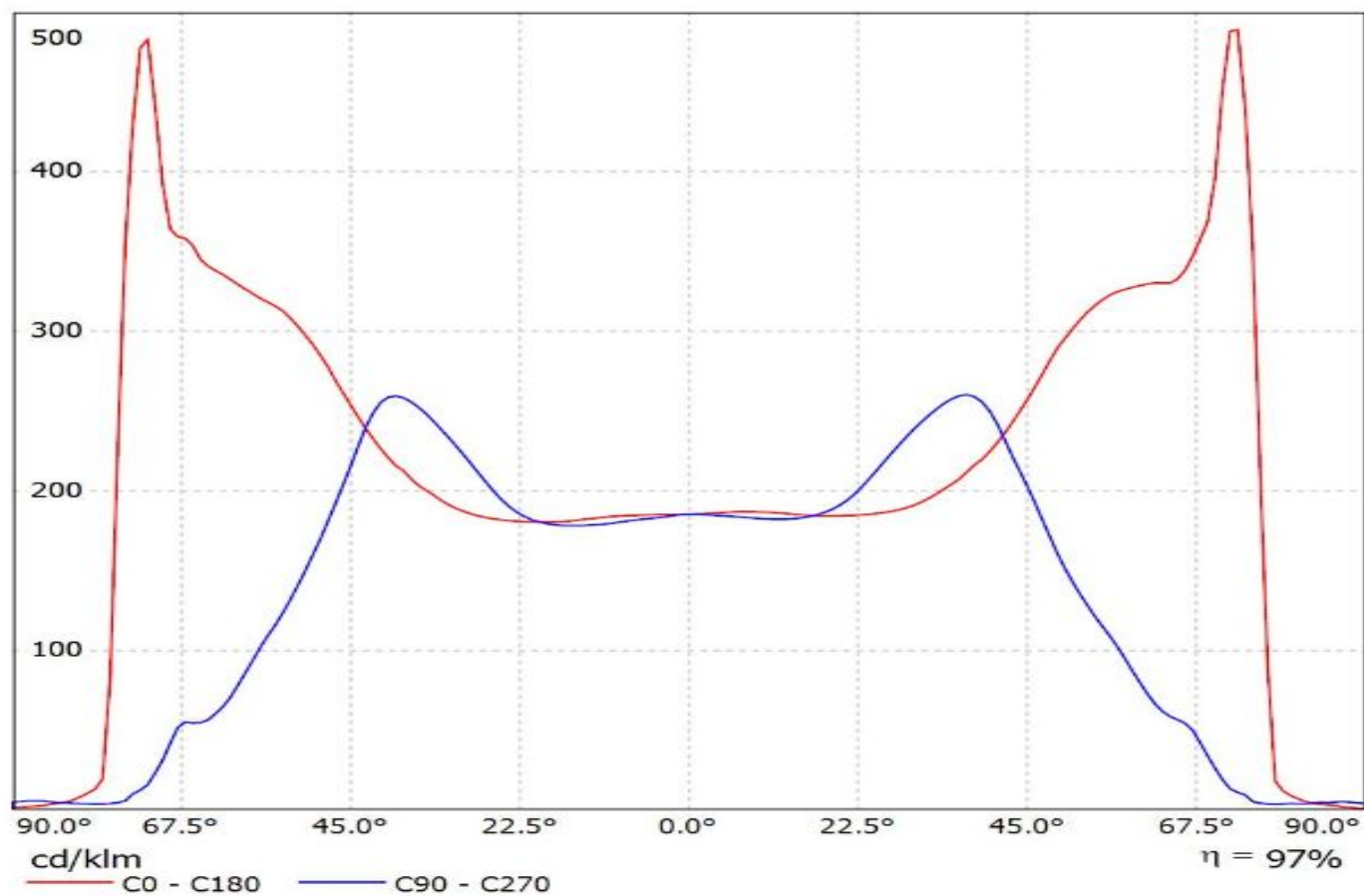
Lamps: 1 x Osram\_Square\_Gen3\_(GW\_CSSRM2.PM)\_461.082lm@250mA\_P=2.79075W\_I=0.250A



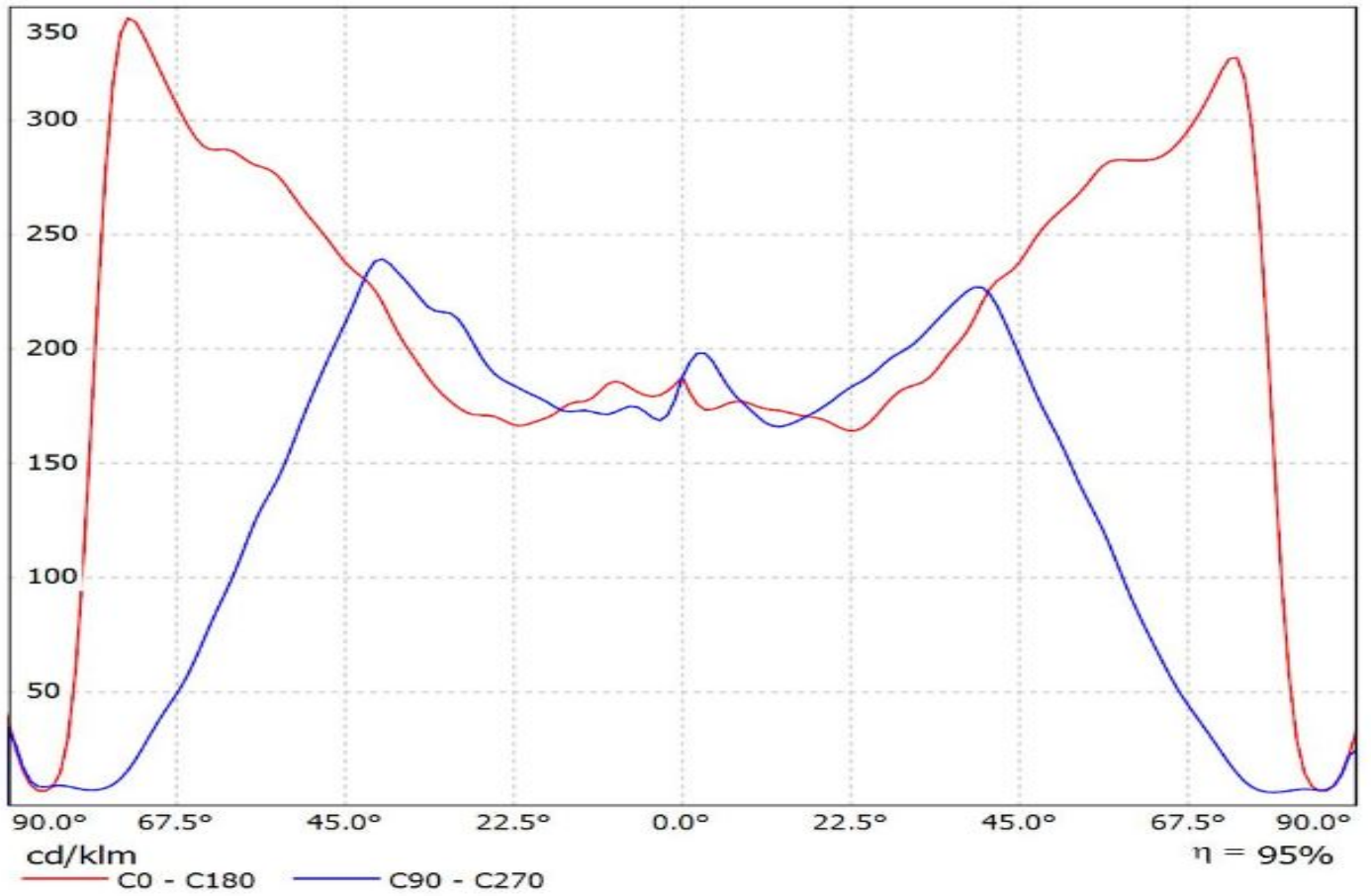
Luminaire: Ledil Oy C14750\_STRADA-2X2-CAT\_OSRAM\_DURIS\_P9\_SIMULATED  
Lamps: 1 x OSRAM DURIS P9



Luminaire: Ledil C14750\_STRADA-2X2-CAT\_(Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3)  
Lamps: 1 x Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3\_1823.98lm@250mA\_P=11.65W\_I=0.25A

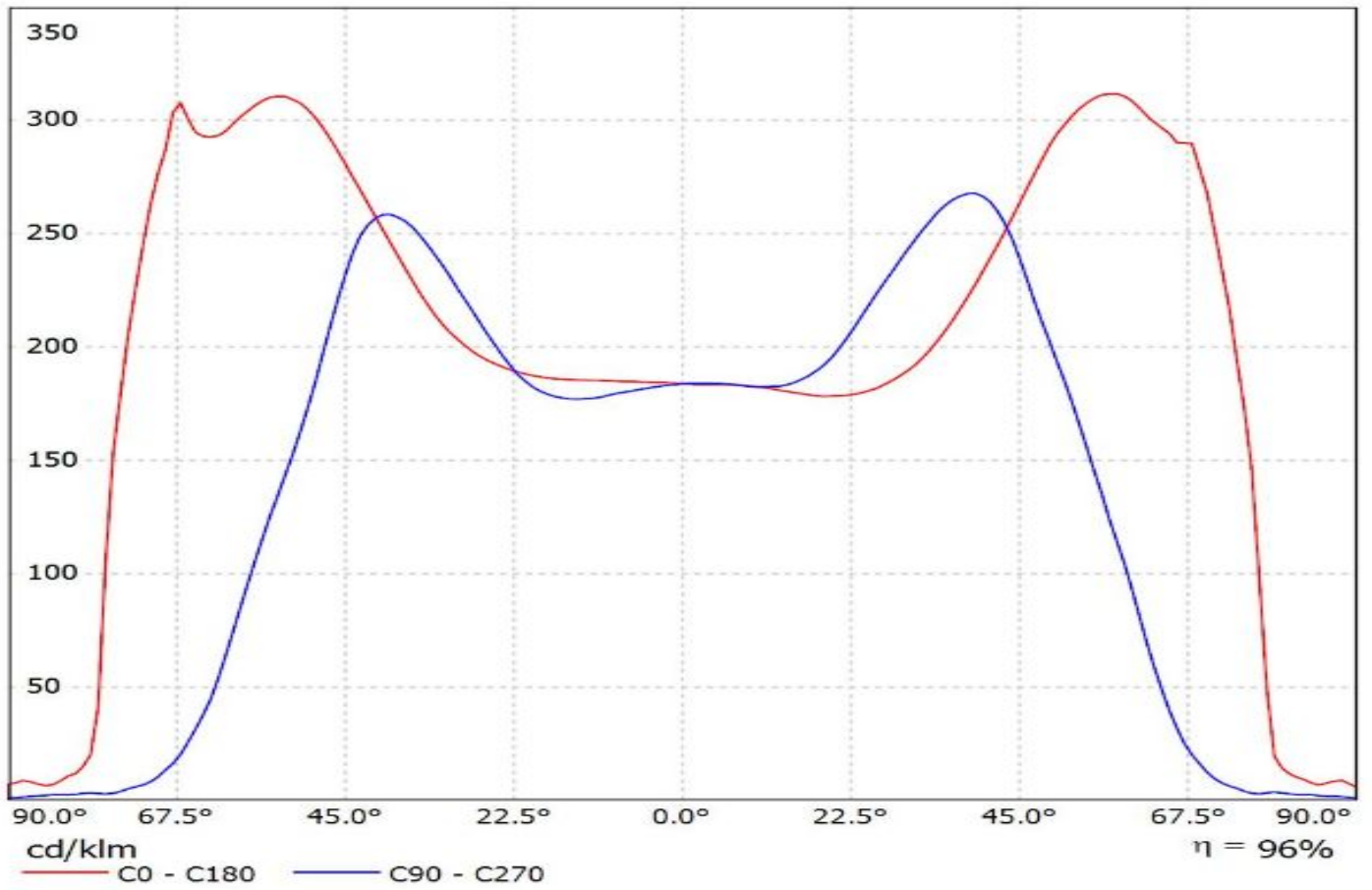


Luminaire: Ledil Oy C14750\_STRADA-2X2-CAT\_Fortimo FastFlex LED board 2x8 DAX G4\_SIMULATED  
Lamps: 1 x Fortimo FastFlex LED board 2x8 DAX G4



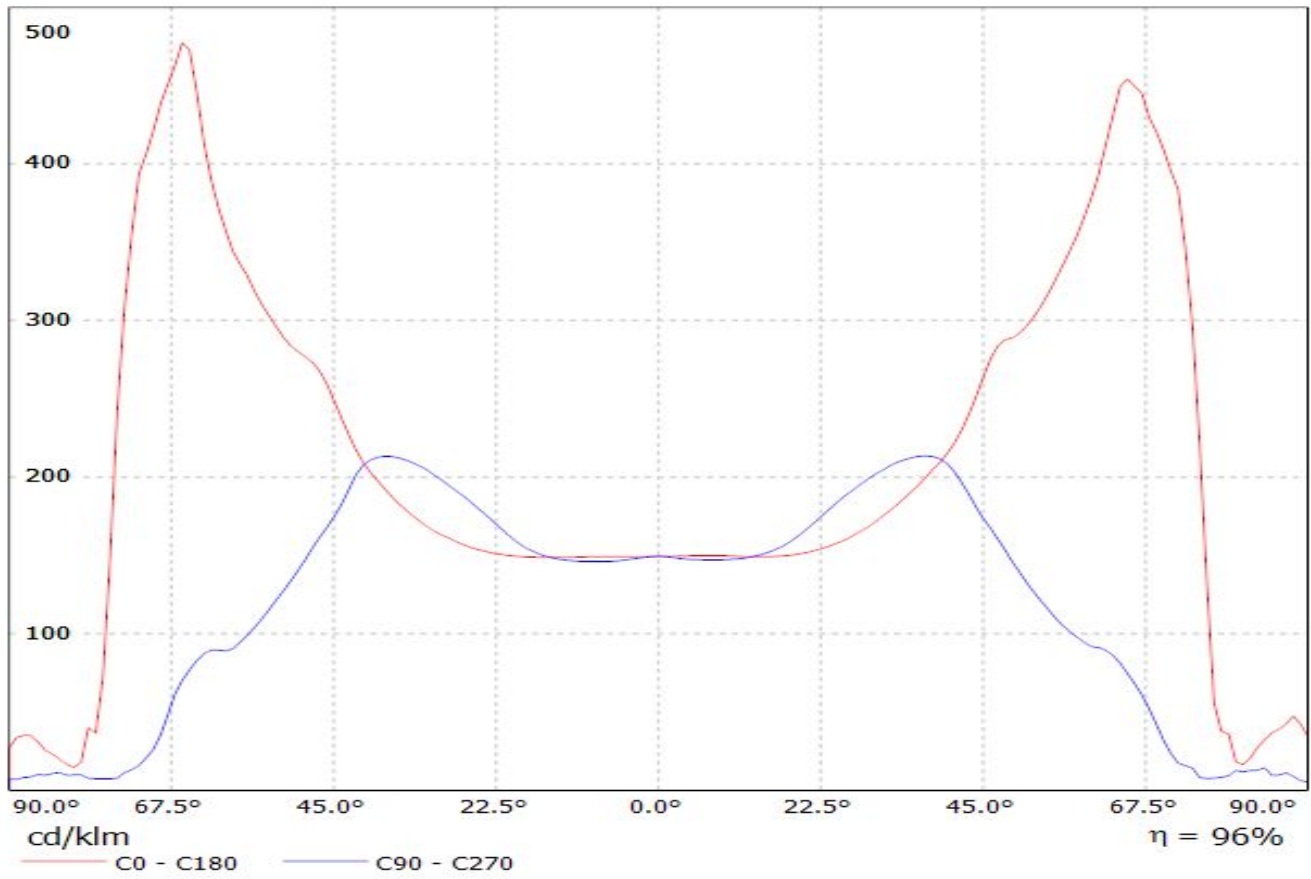
Luminaire: Ledil C14750\_STRADA-2X2-CAT\_(LH351B)

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

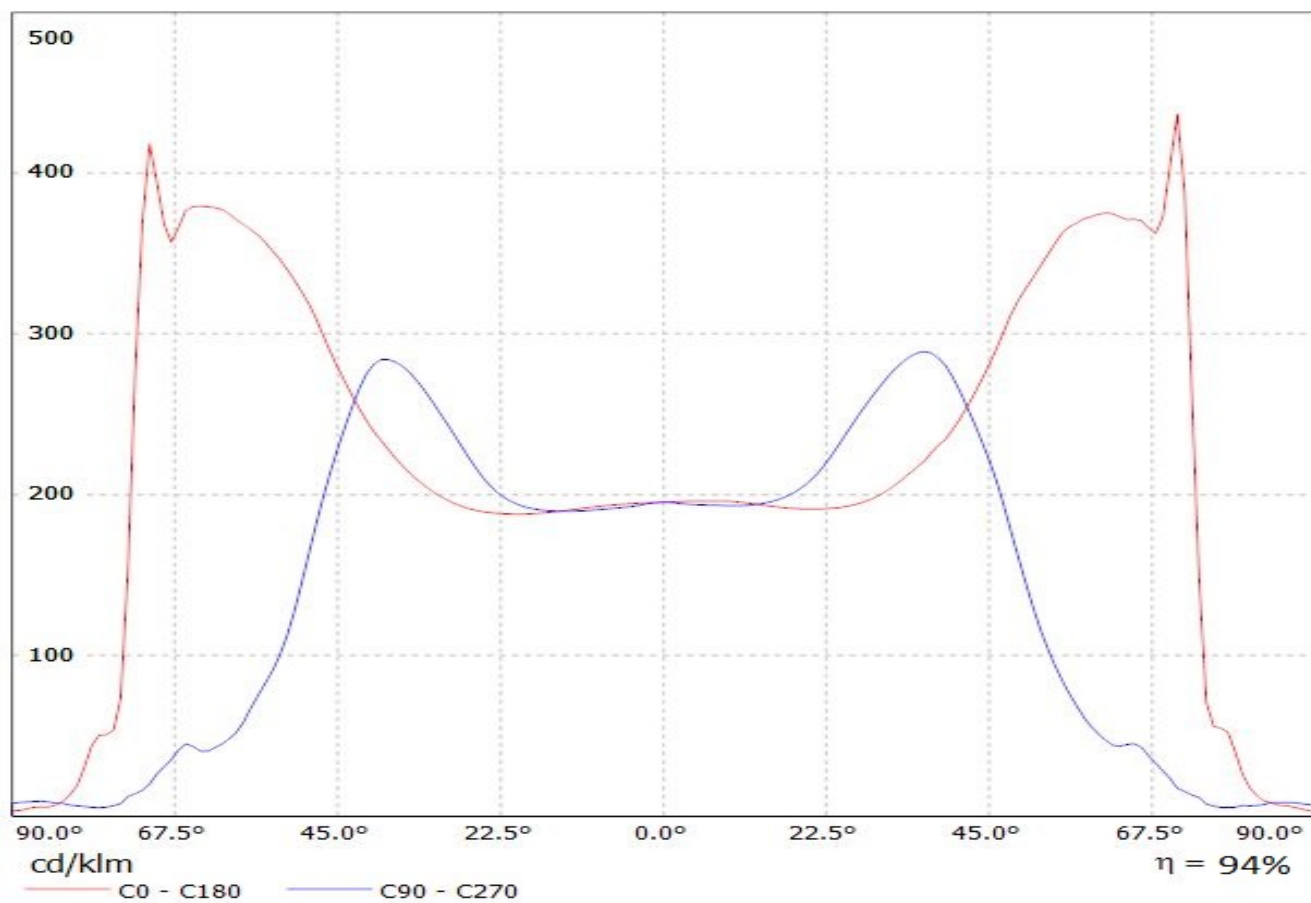


Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(Z8Y22+)

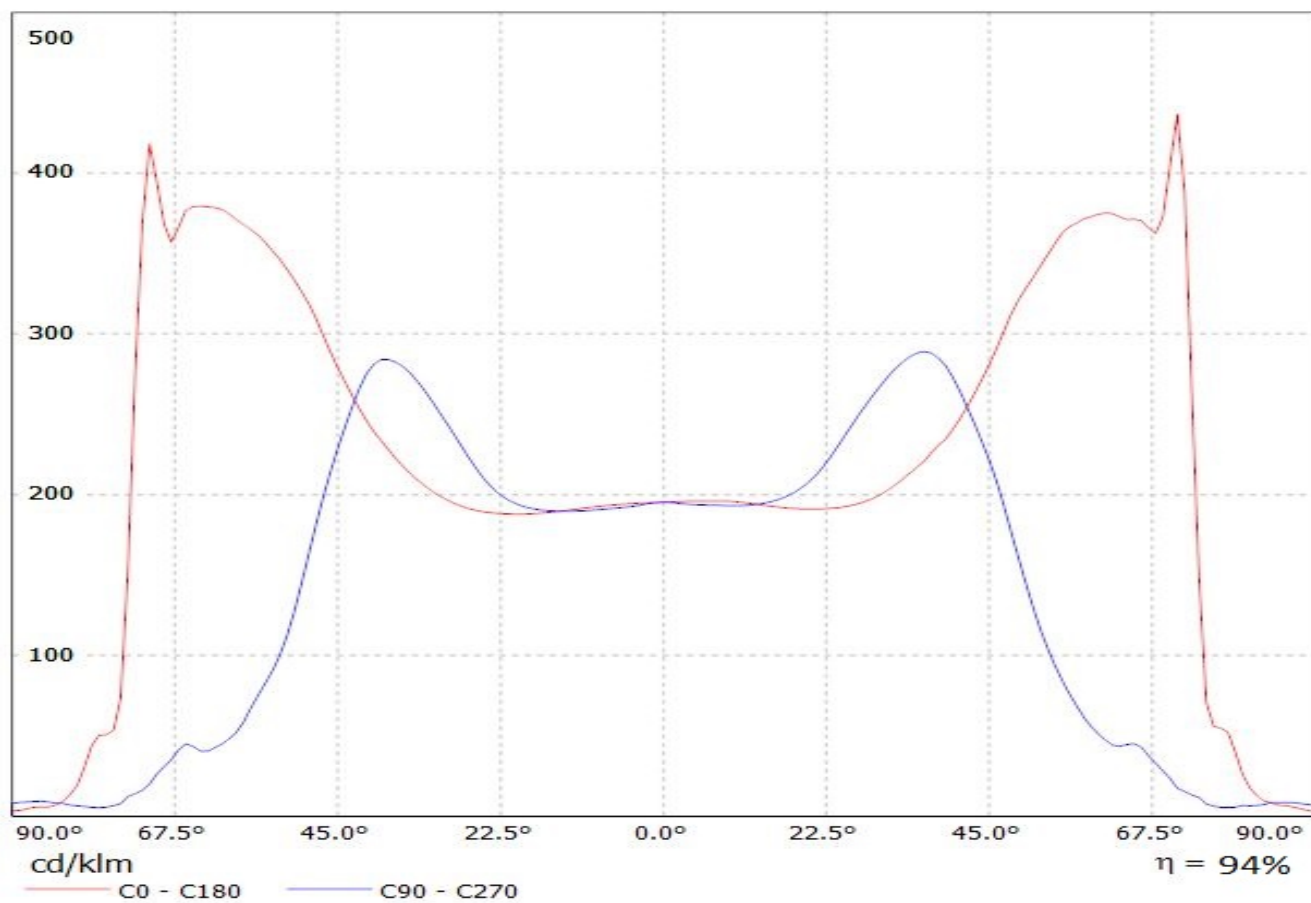
Lamps: 1 x Seoul\_Z8Y22+\_ (W6E2G)\_498.702lm@250mA\_P=2.72132W\_I=0.250A



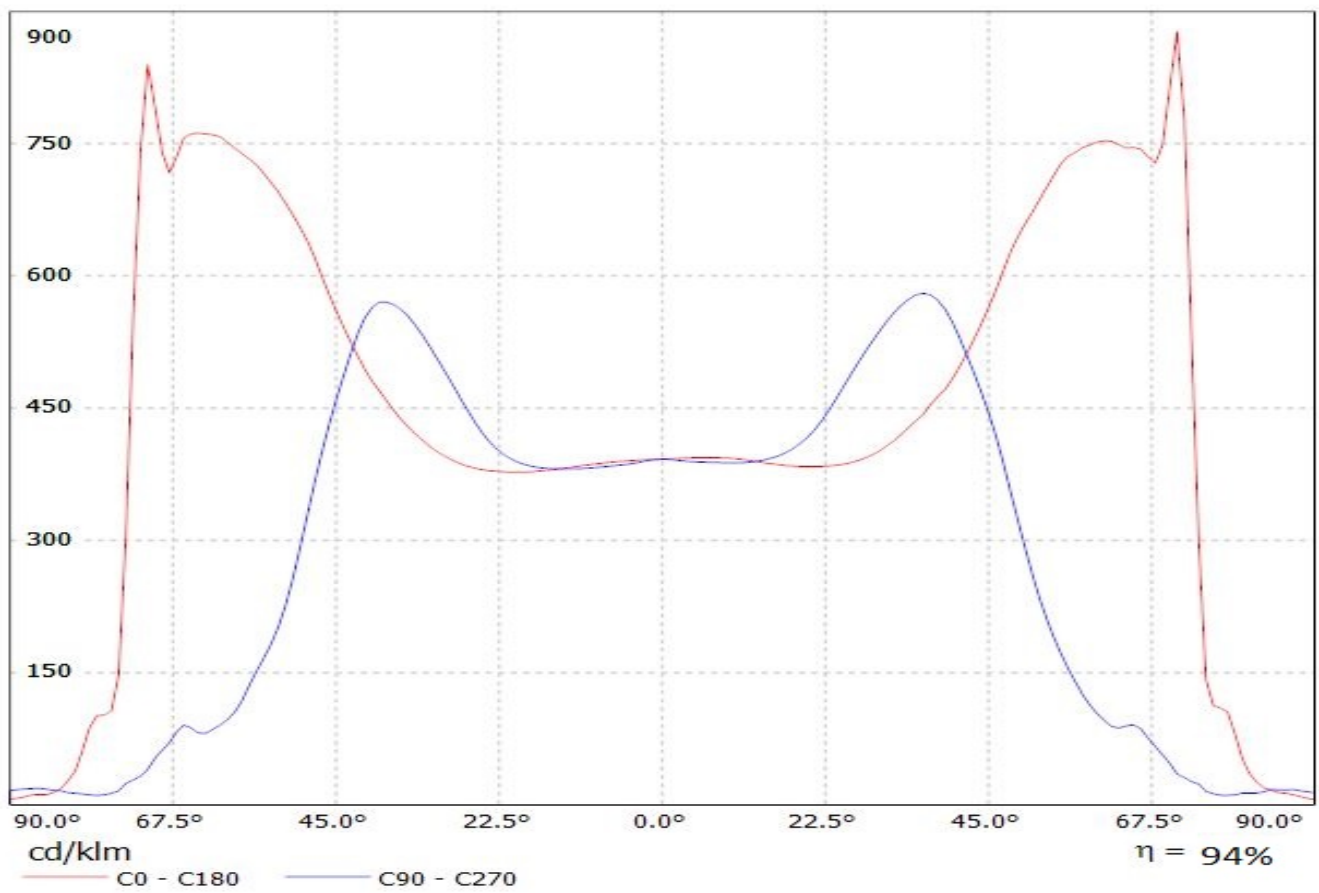
Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4594.42lm@700mA\_P=32.1515W\_I=0.700A



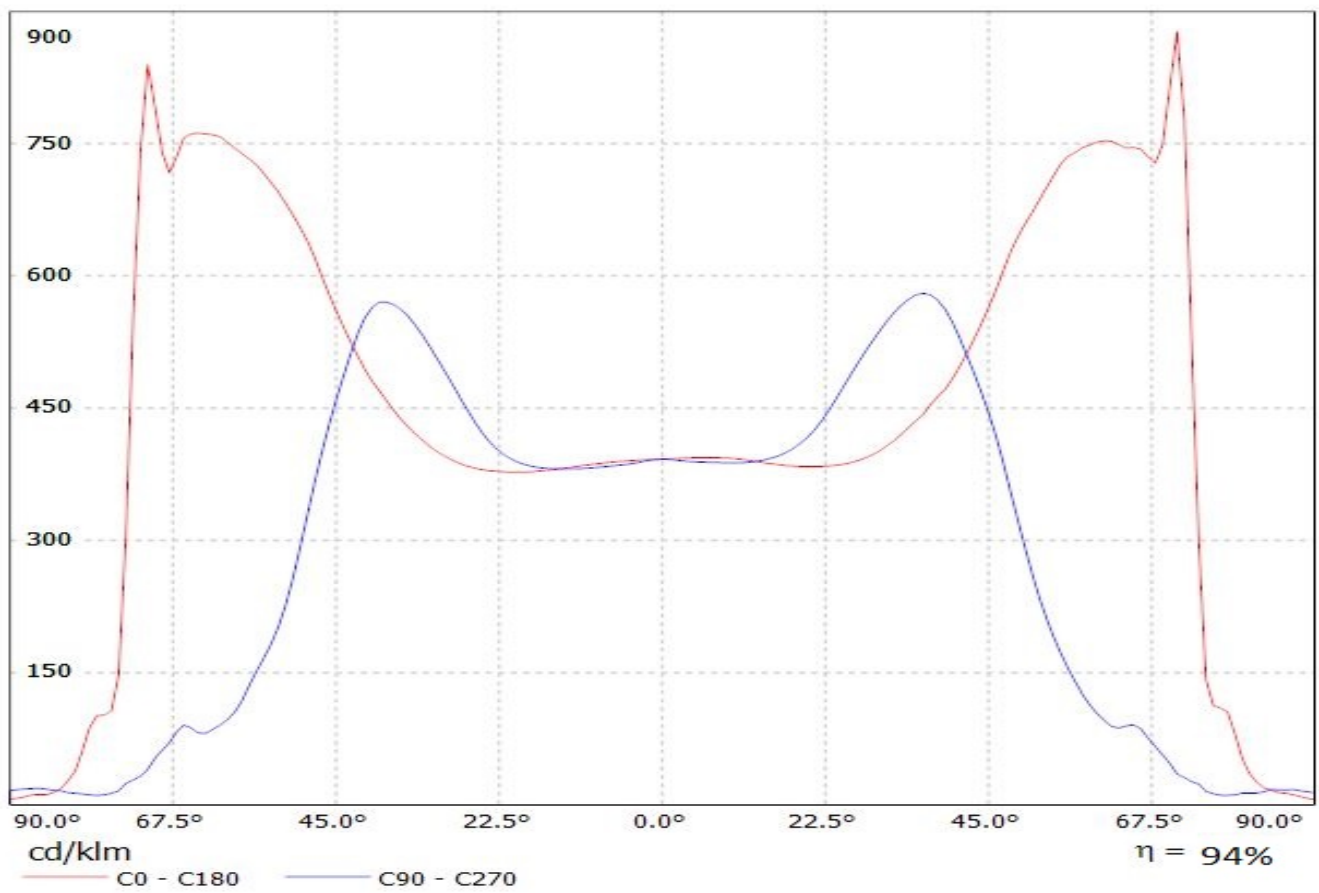
Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4594.42lm@700mA\_P=32.1515W\_I=0.700A



Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A

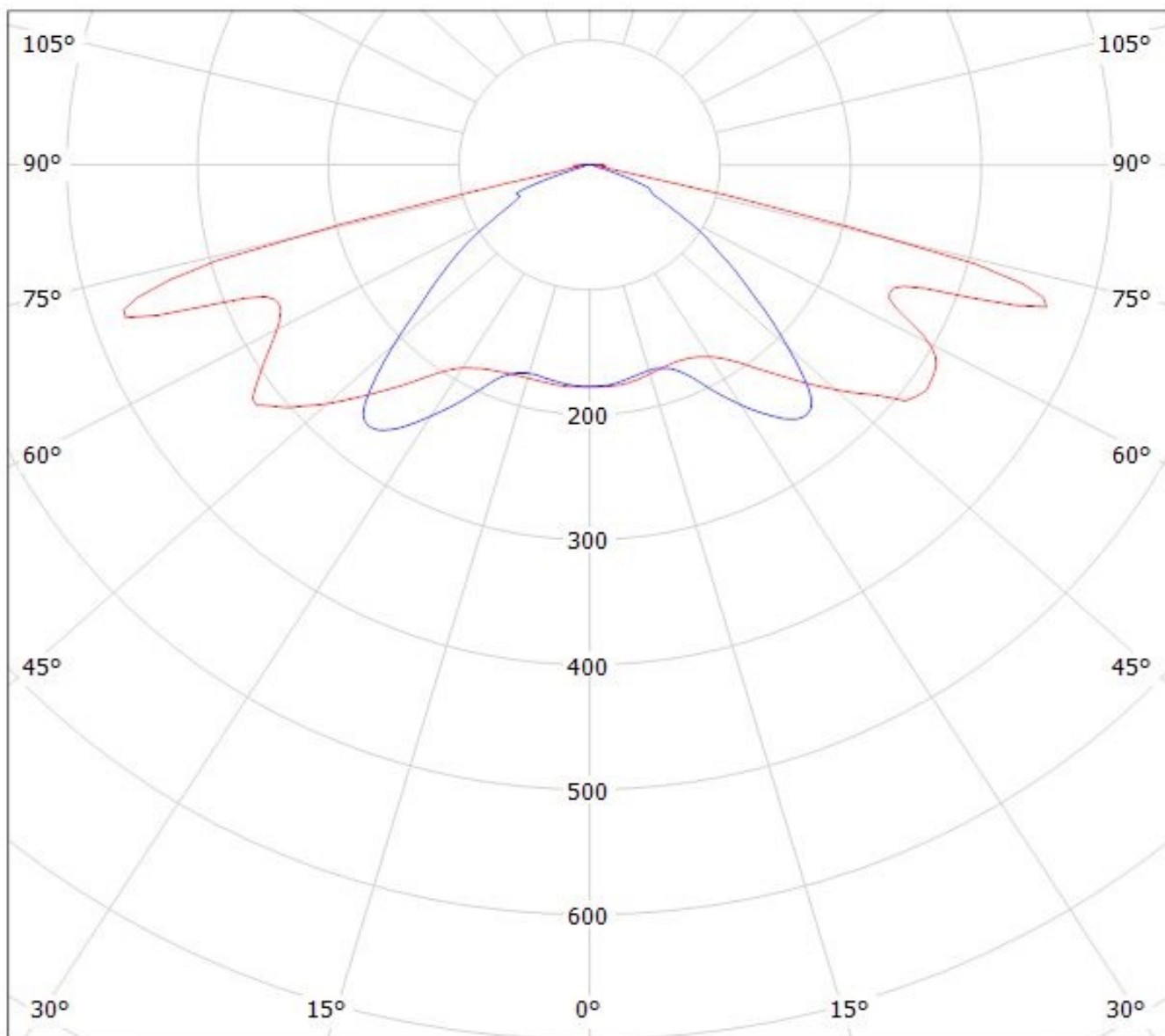


Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A



Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(XP-G2)

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



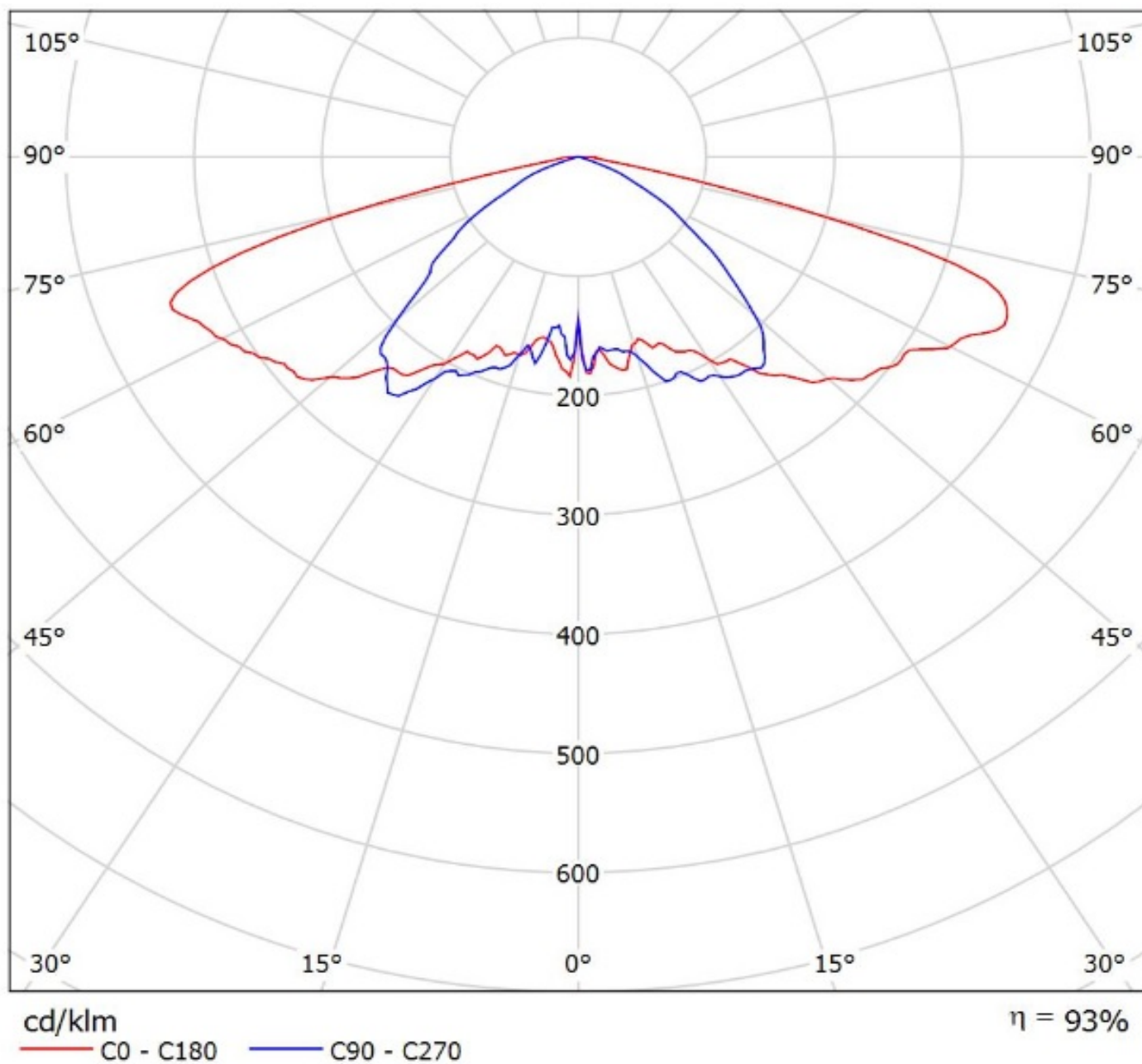
cd/klm

— C0 - C180

— C90 - C270

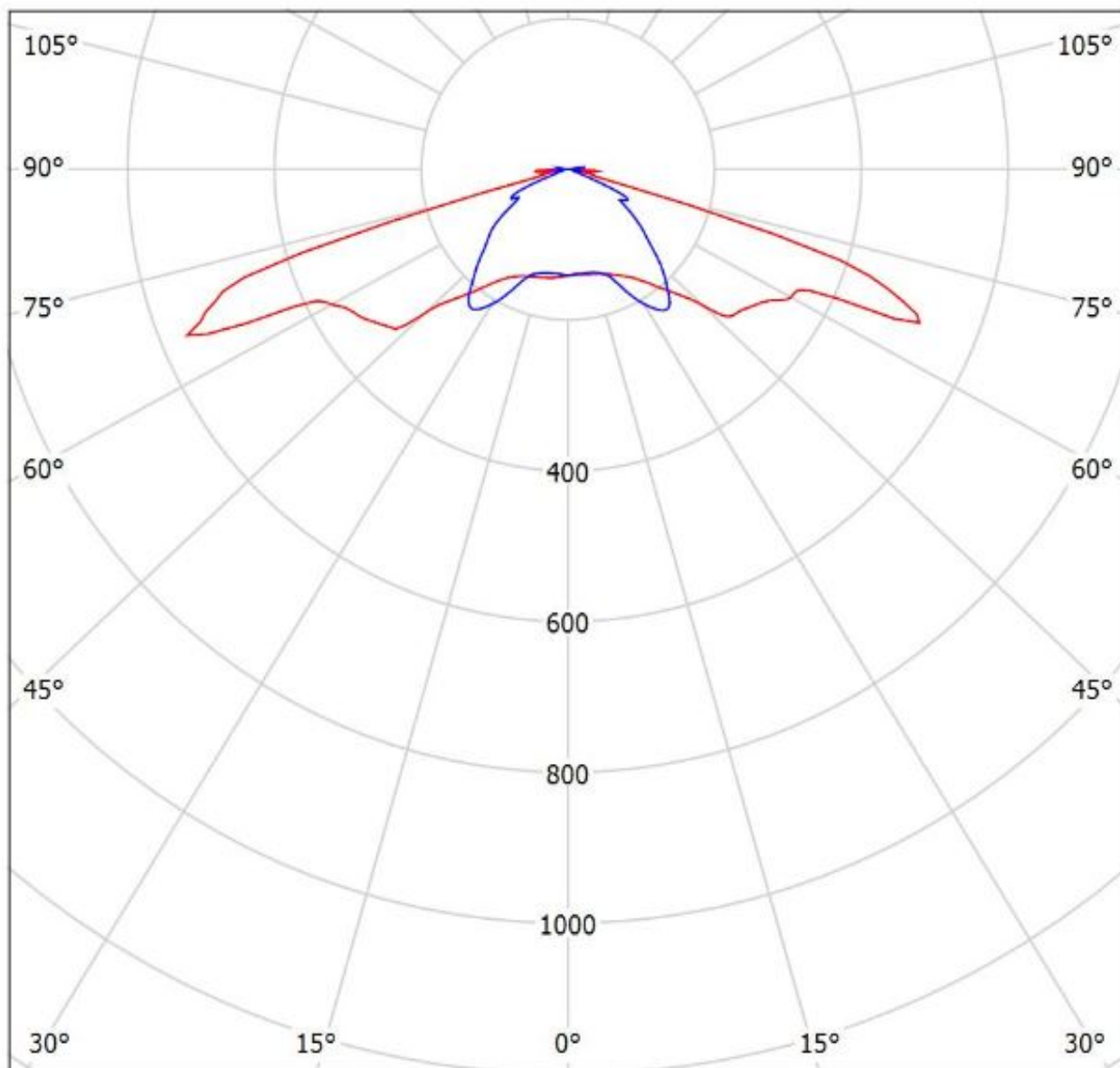
$\eta = 94\%$

Luminaire: Ledil Oy C14750\_STRADA-2X2-CAT\_(XM-L)\_SIMULATED  
Lamps: 1 x CREE XM-L



Luminaire: Ledil C14750\_STRADA-2X2-CAT\_(XD16)

Lamps: 1 x Cree\_XD16\_2x2\_(XD16AWT-H-2B0-S20-0B-002)\_453.677lm@250mA\_CCT=5700K\_P=2.78289W\_I=0.25A

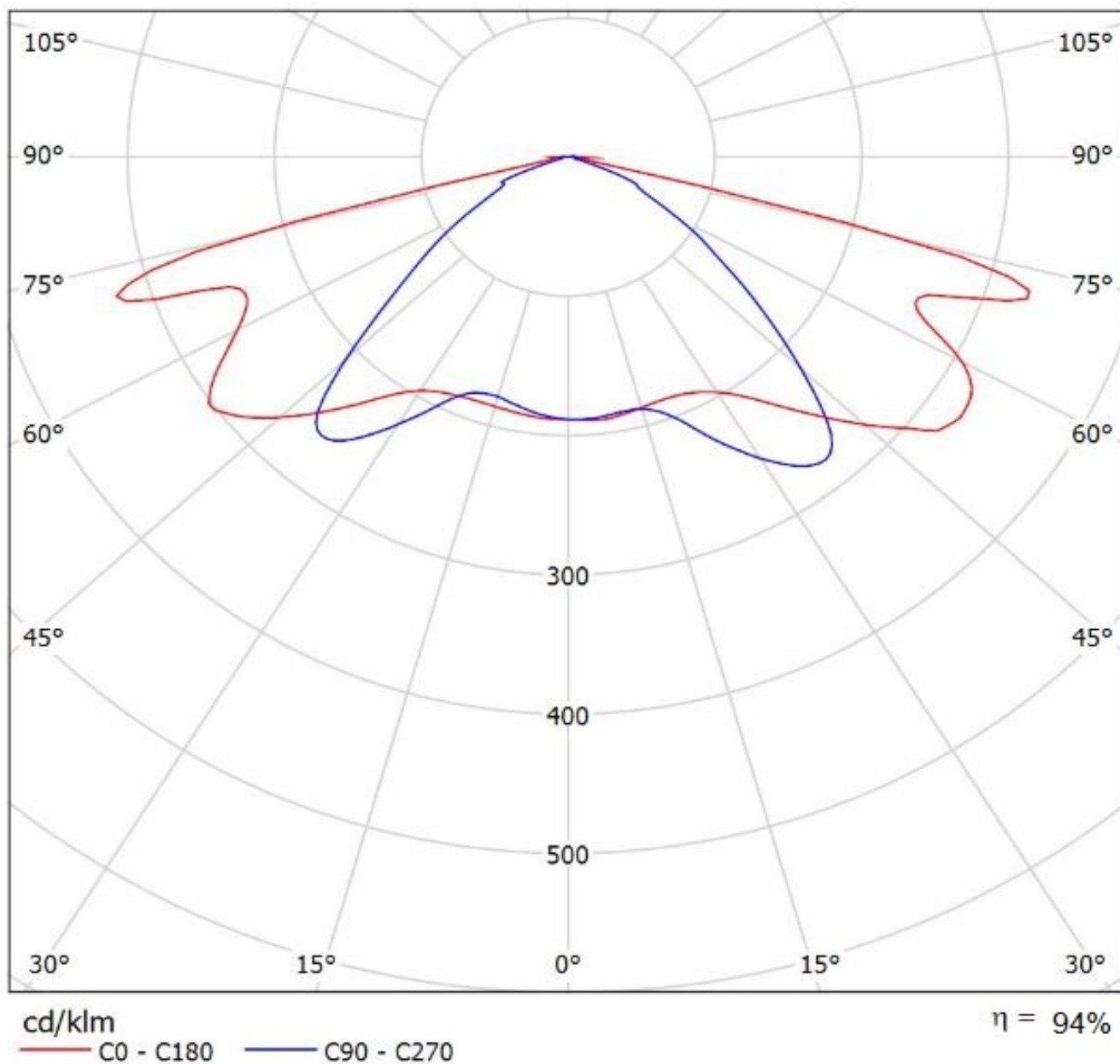


cd/klm

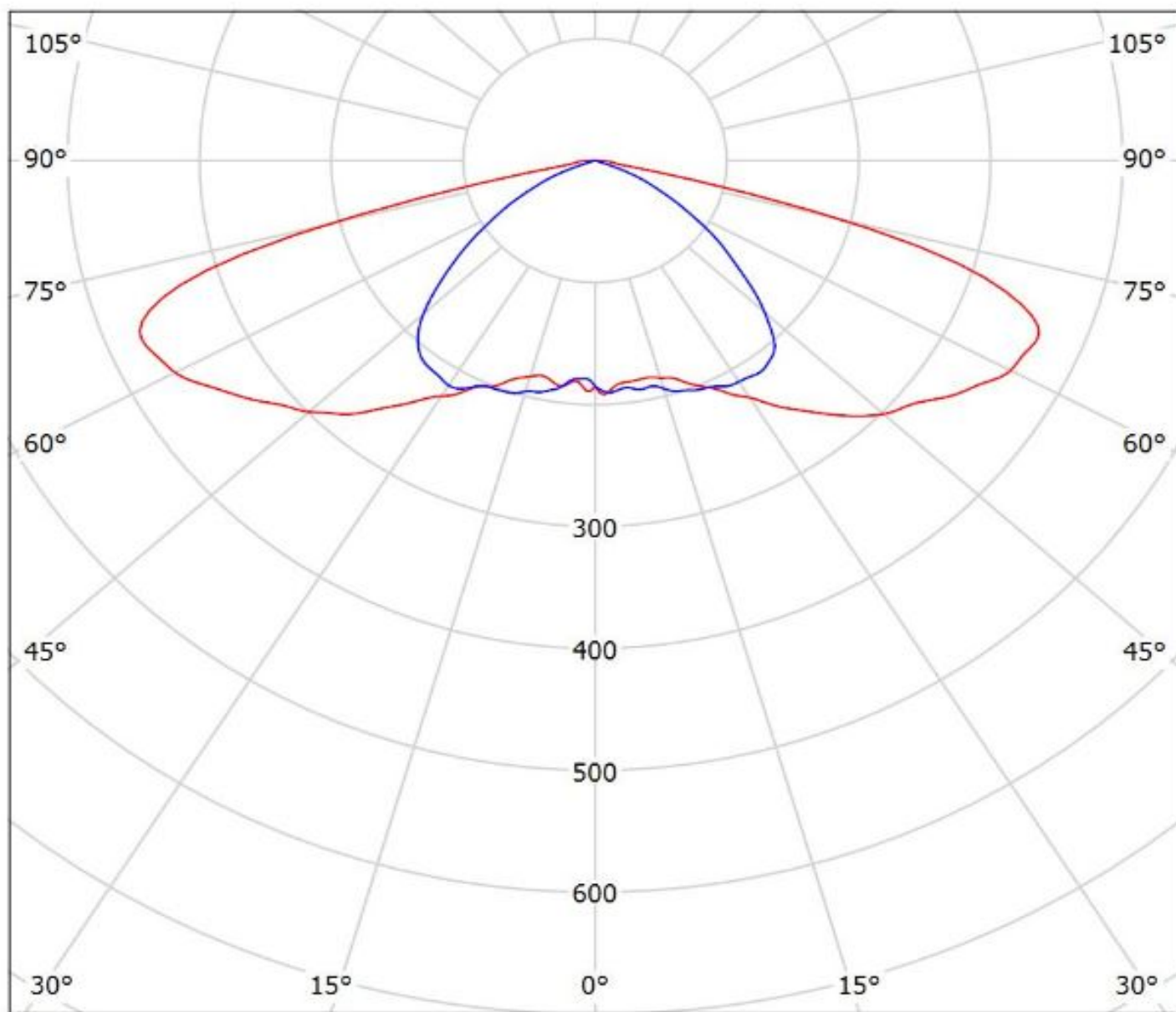
— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: Ledil C14750\_STRADA-2X2-CAT\_(H35C1)  
Lamps: 1 x LG\_H35C1\_2x2\_477.216lm@250mA\_P=2.87475W\_I=0.250A



Luminaire: Ledil Oy C14750\_STRADA-2X2-CAT\_(LUXEON 5050)\_SIMULATED  
Lamps: 1 x Lumileds Luxeon 5050



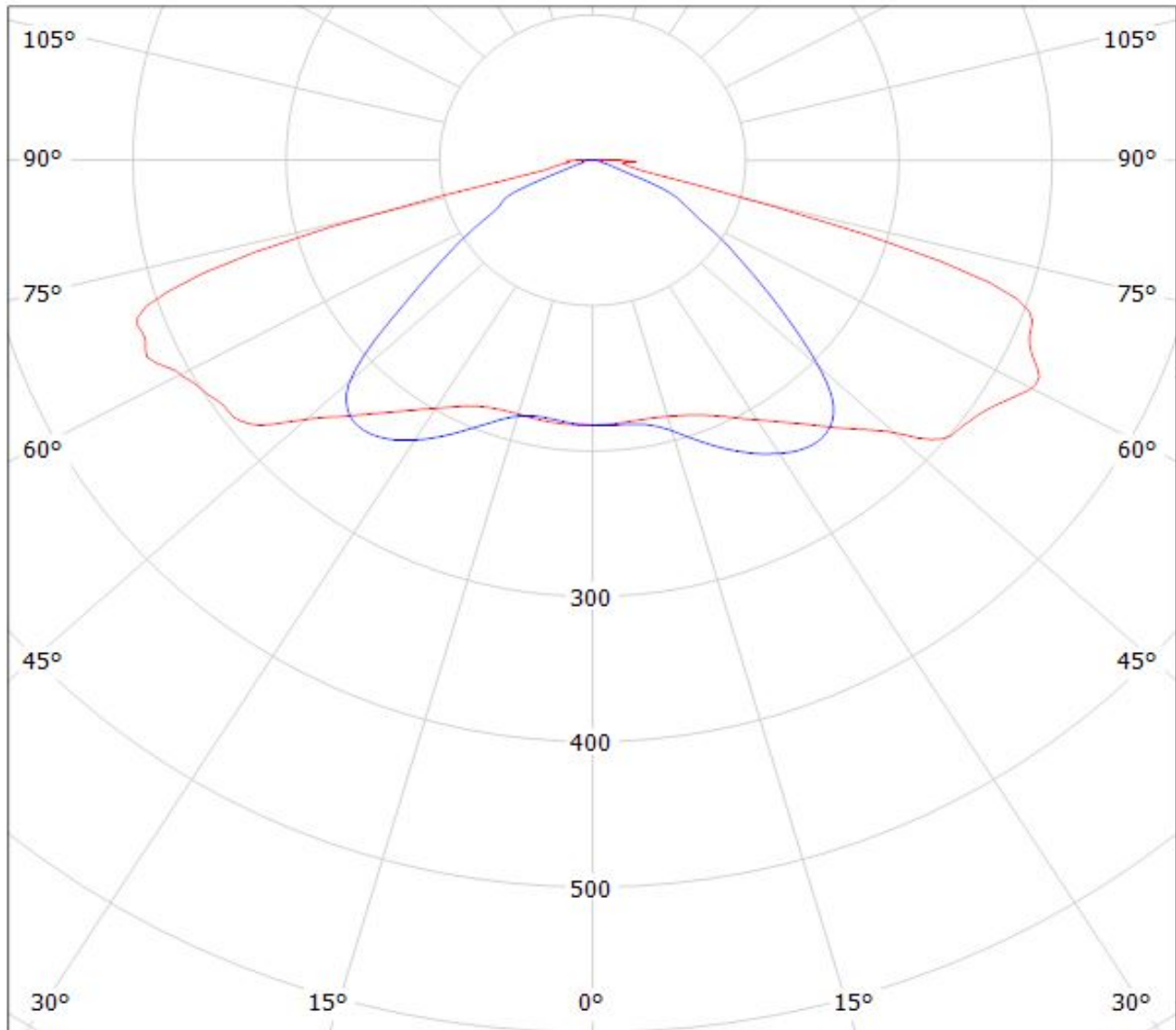
cd/klm

— C0 - C180 — C90 - C270

η = 96%

Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(Luxeon\_V)

Lamps: 1 x Lumileds\_Luxeon\_V\_488.501lm@250mA\_CCT=4000K\_P=2.75155W\_I=0.250A



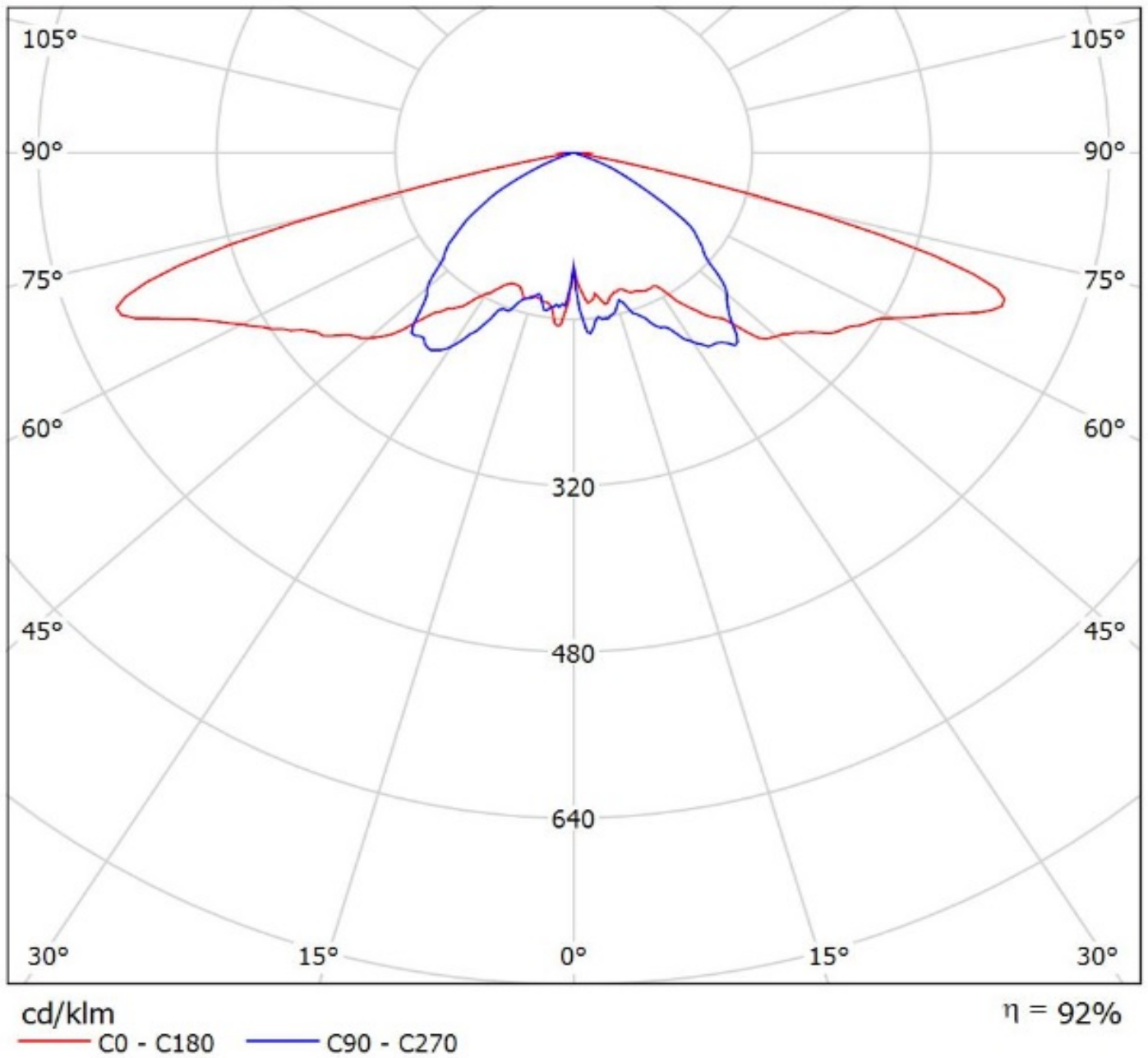
cd/klm

— C0 - C180

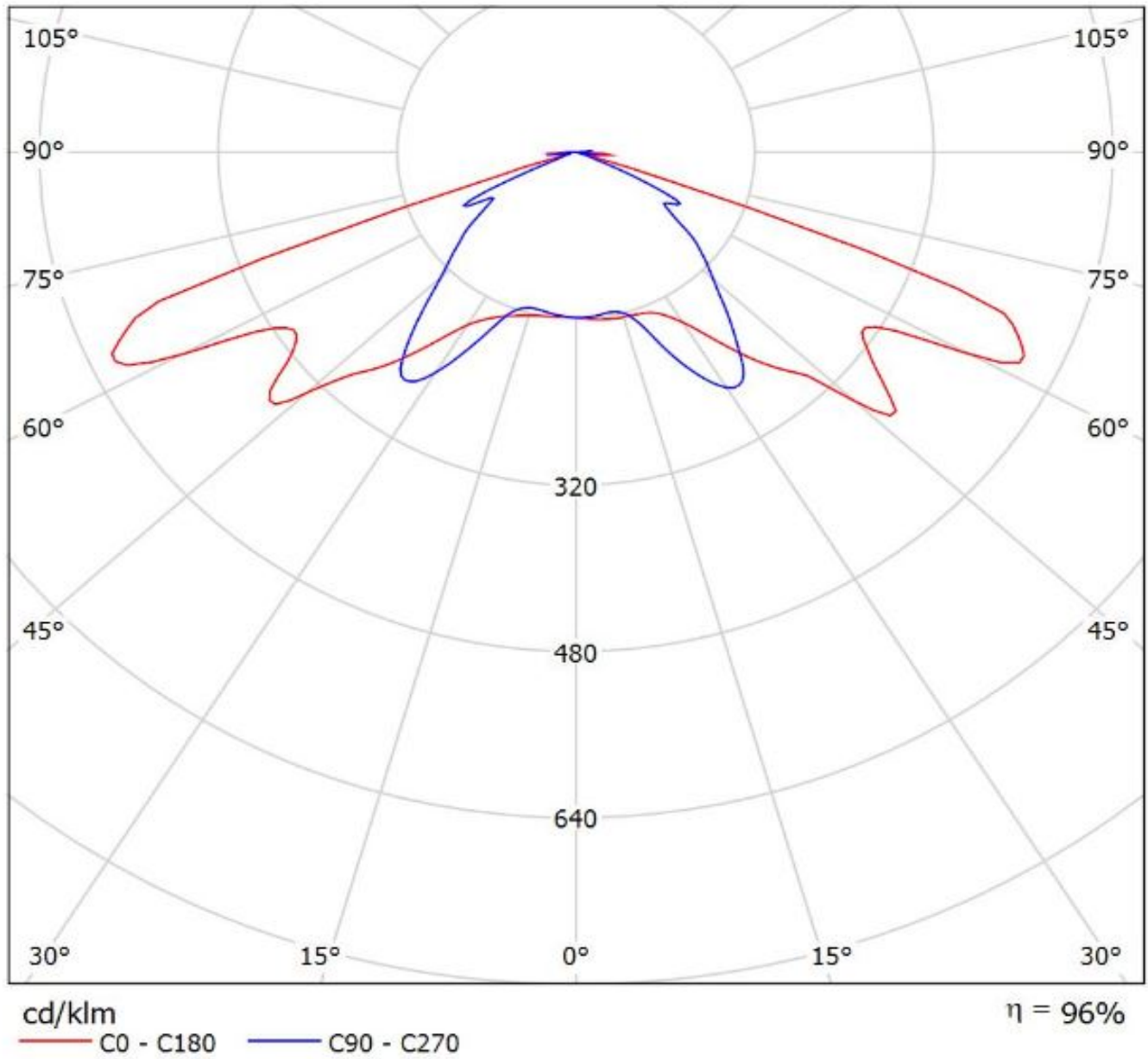
— C90 - C270

$\eta = 96\%$

Luminaire: Ledil Oy C14750\_STRADA-2x2-CAT\_(NVSxx19C)\_SIMULATED  
Lamps: 1 x NICHIA\_NVsx219C

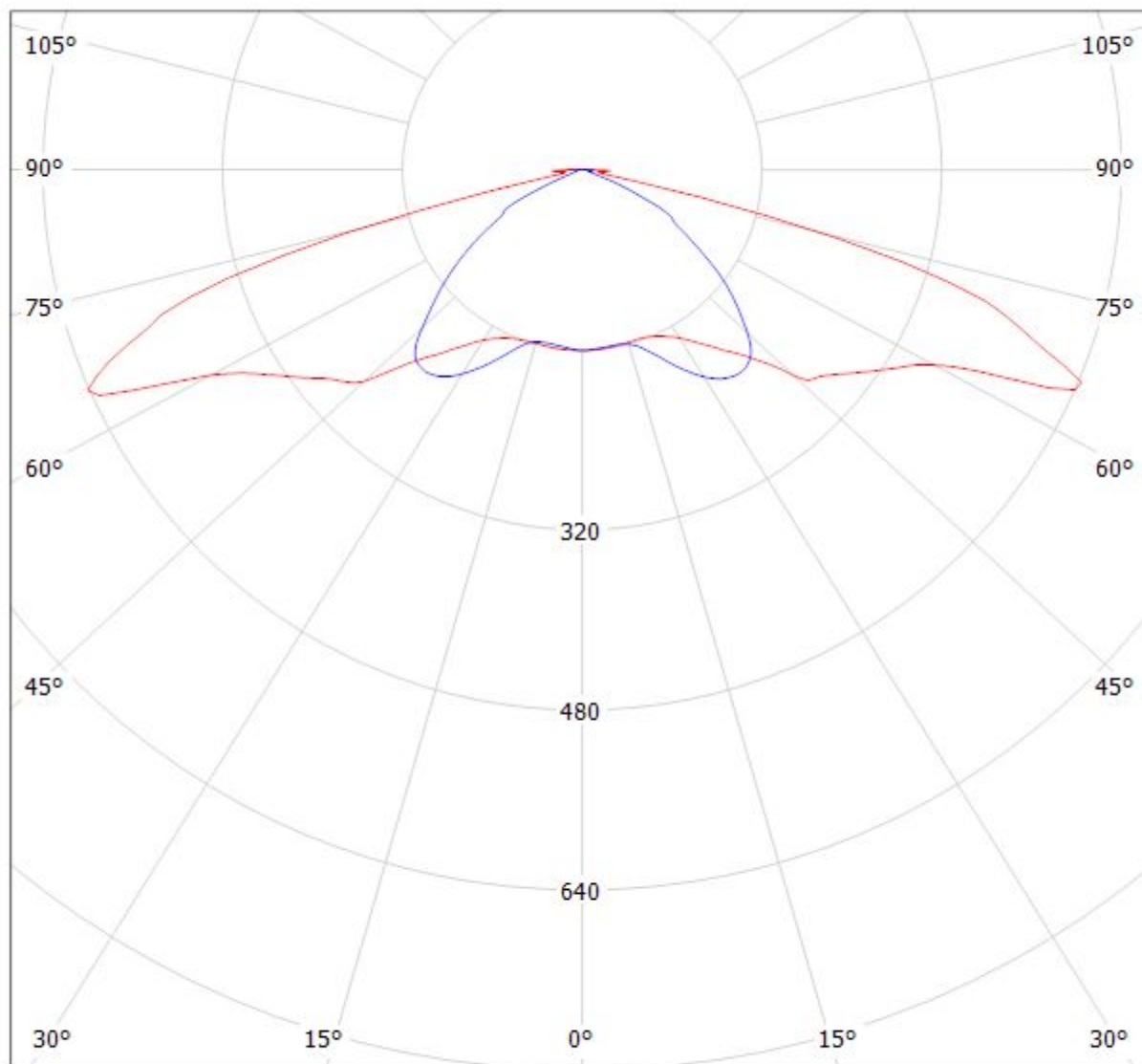


Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(E21A)  
Lamps: 1 x Nichia\_E21A\_452.248lm@250mA\_2.805W\_η=0.250A



Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(NVSW319AE)

Lamps: 1 x Nichia\_NVSW319AE\_499.093lm@250mA\_P=2.79052W\_I=0.25A

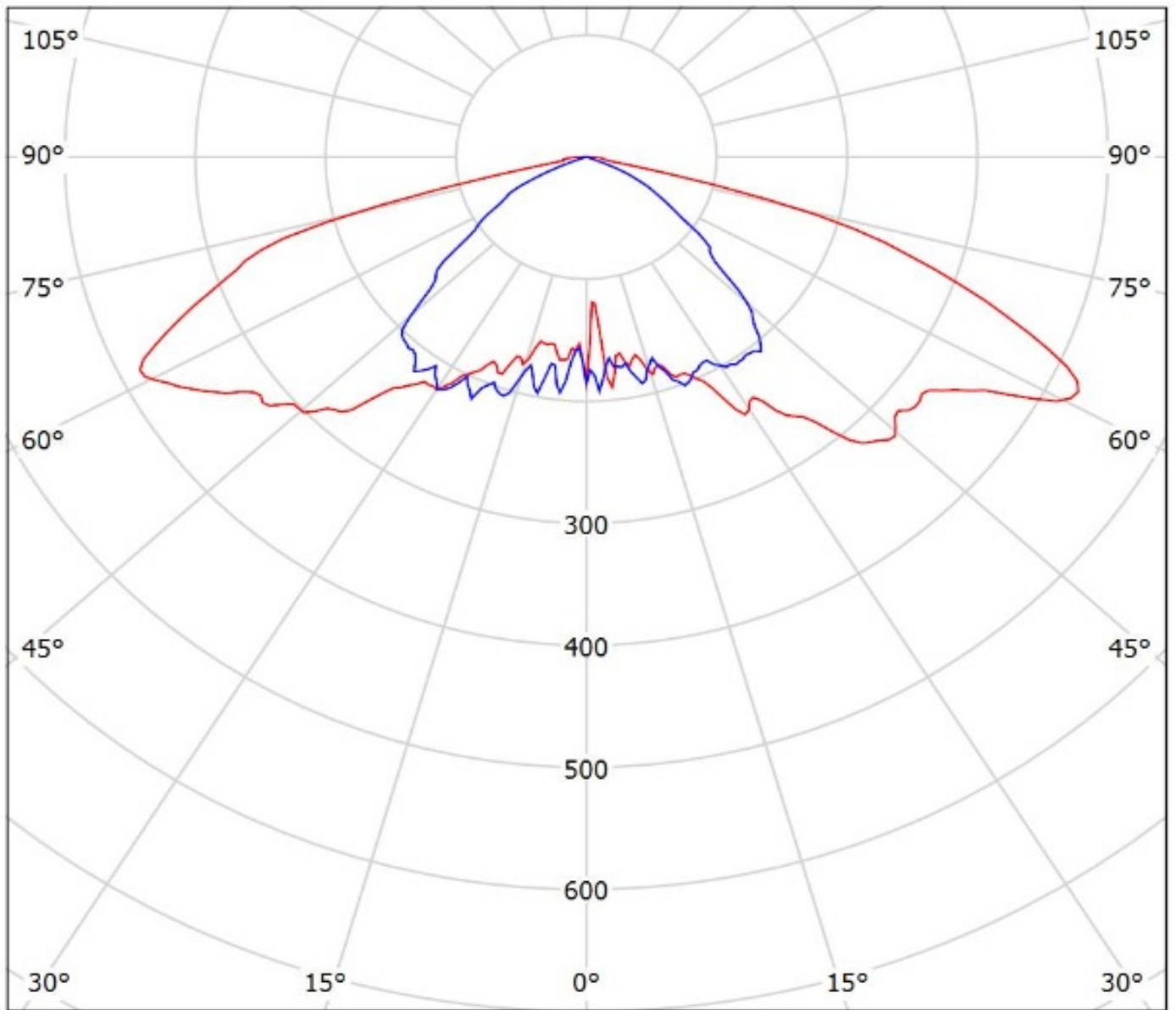


cd/klm

— C0 - C180    — C90 - C270

η = 97%

Luminaire: Ledil Oy C14750STRADA-2X2-CAT\_(Duris\_S8\_Gen2)\_SIMULATED  
Lamps: 1 x OSRAM\_DURIS S8 GEN2 5050 package

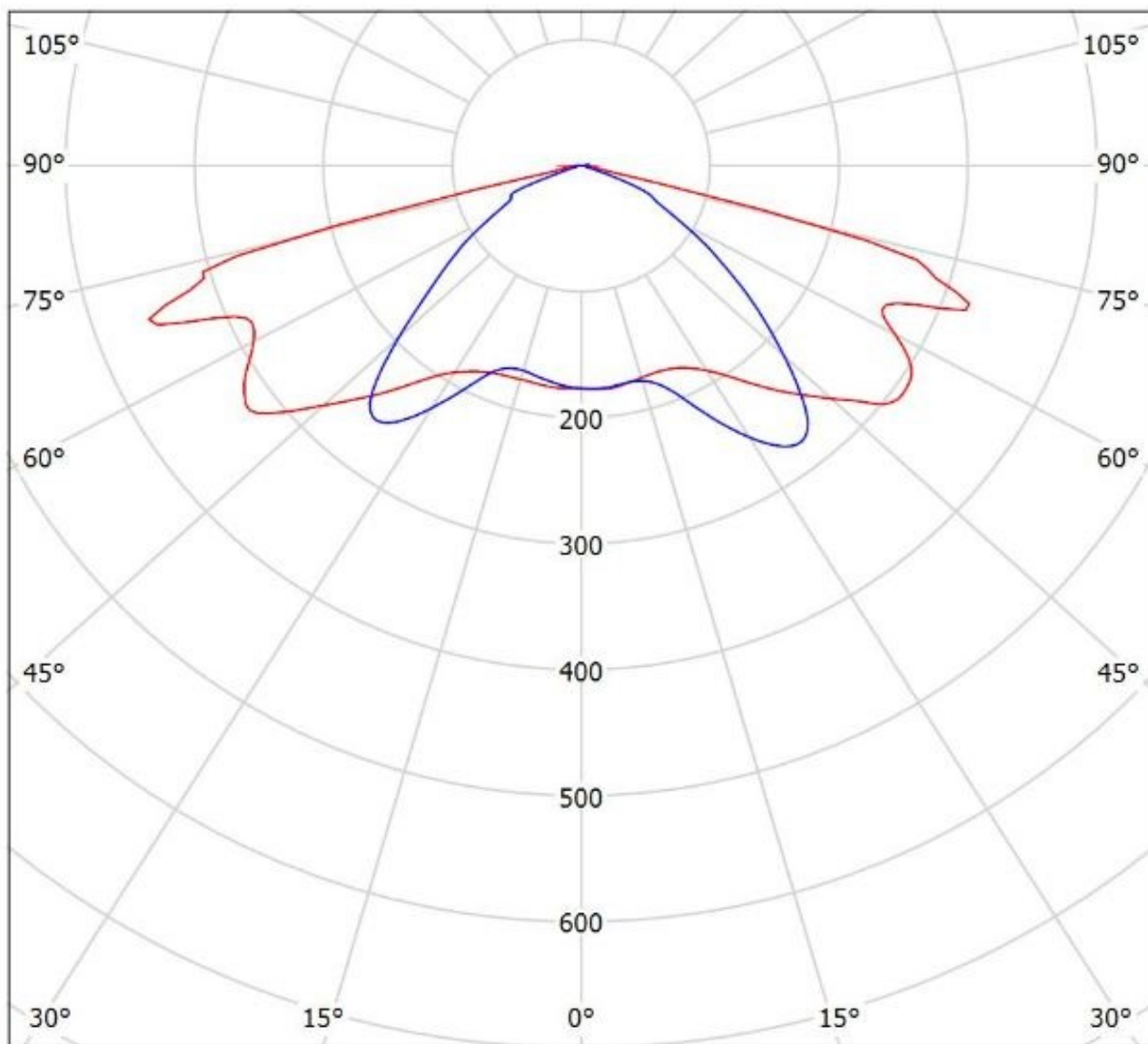


cd/klm  
— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: Ledil C14750\_STRADA-2X2-CAT\_(Square\_Gen3)

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



cd/klm

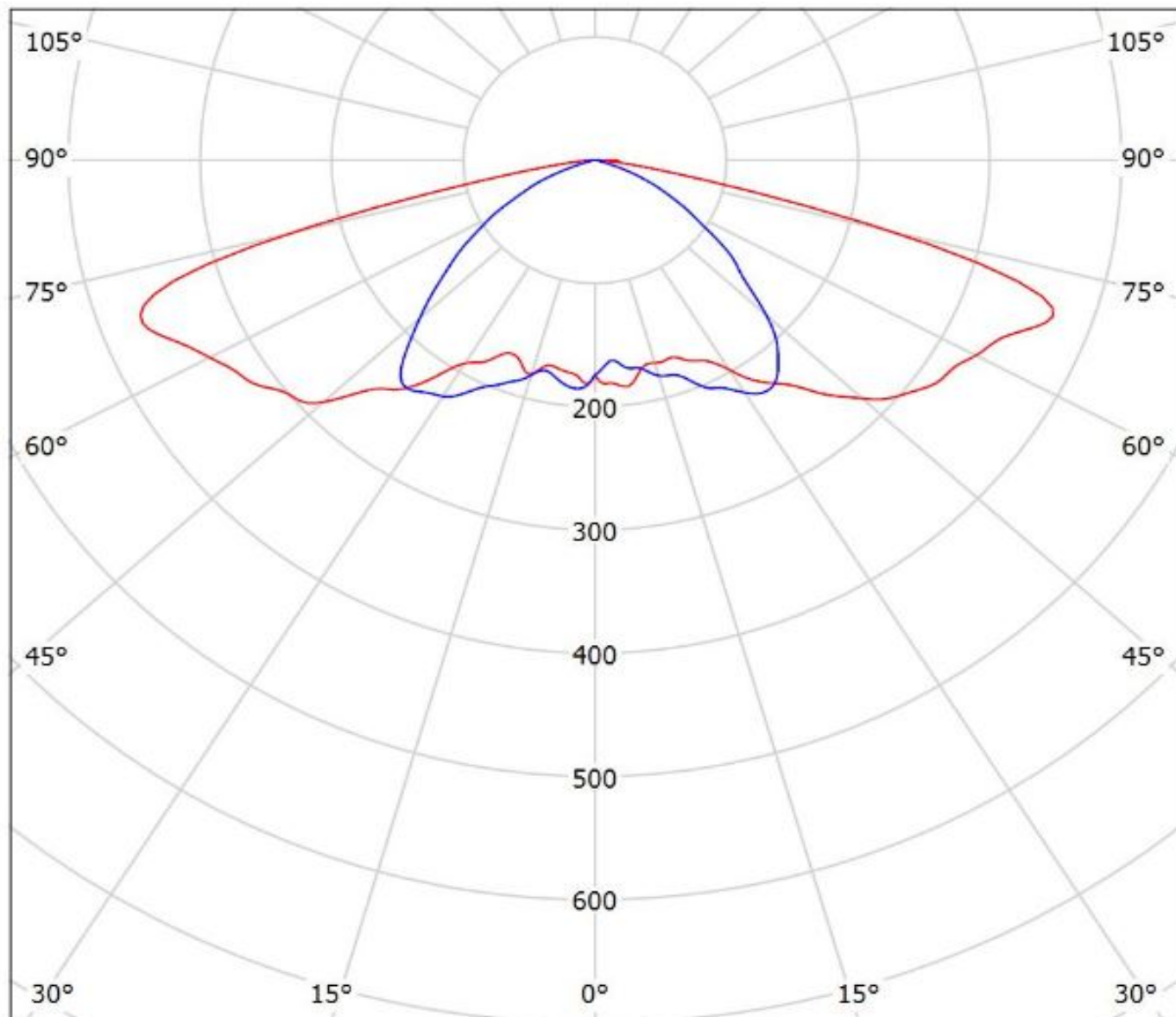
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: Ledil Oy C14750\_STRADA-2X2-CAT\_OSRAM\_DURIS\_P9\_SIMULATED

Lamps: 1 x OSRAM DURIS P9

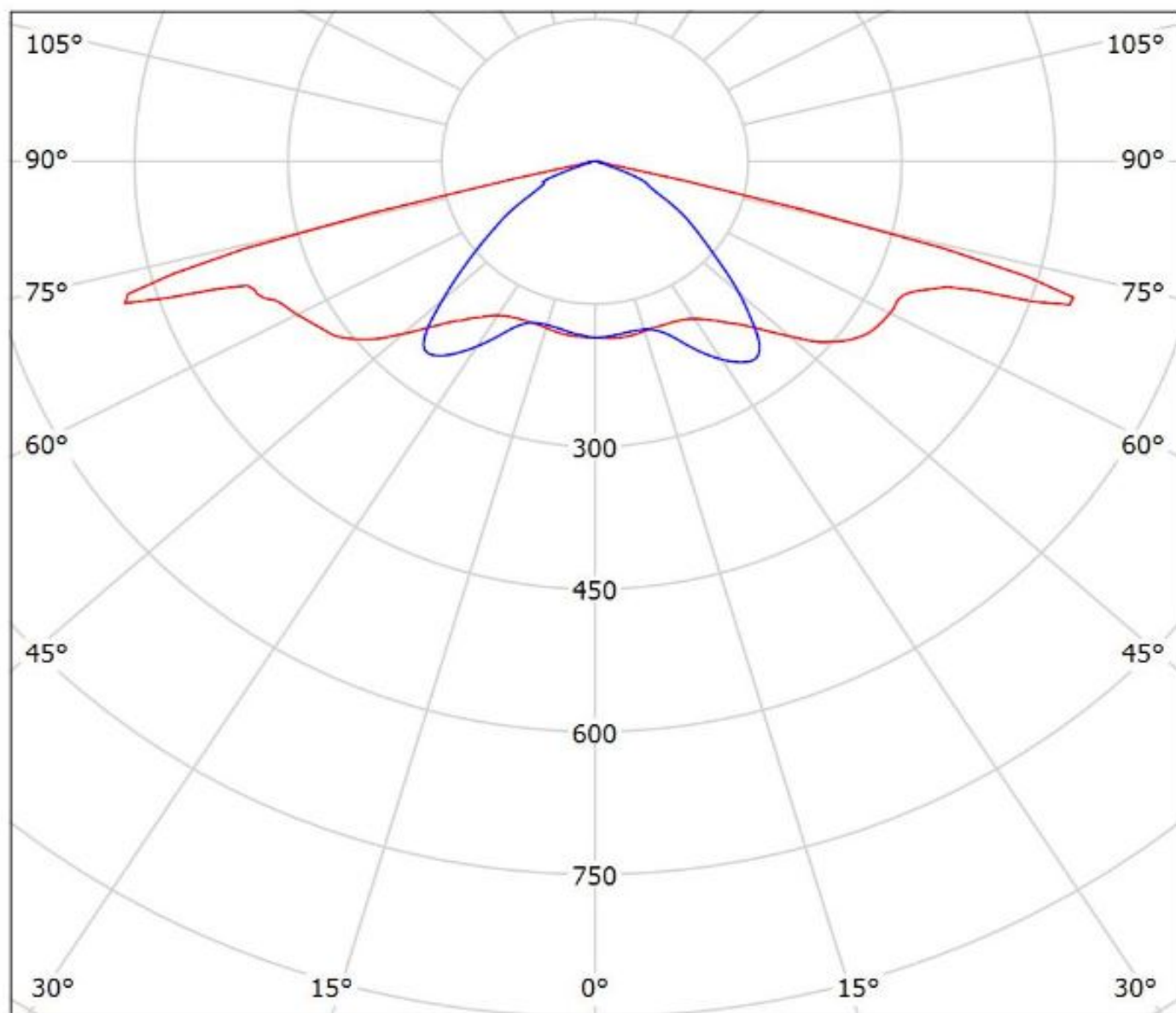


cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: Ledil C14750\_STRADA-2X2-CAT\_(Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3)  
Lamps: 1 x Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3\_1823.98lm@250mA\_P=11.65W\_I=0.25A

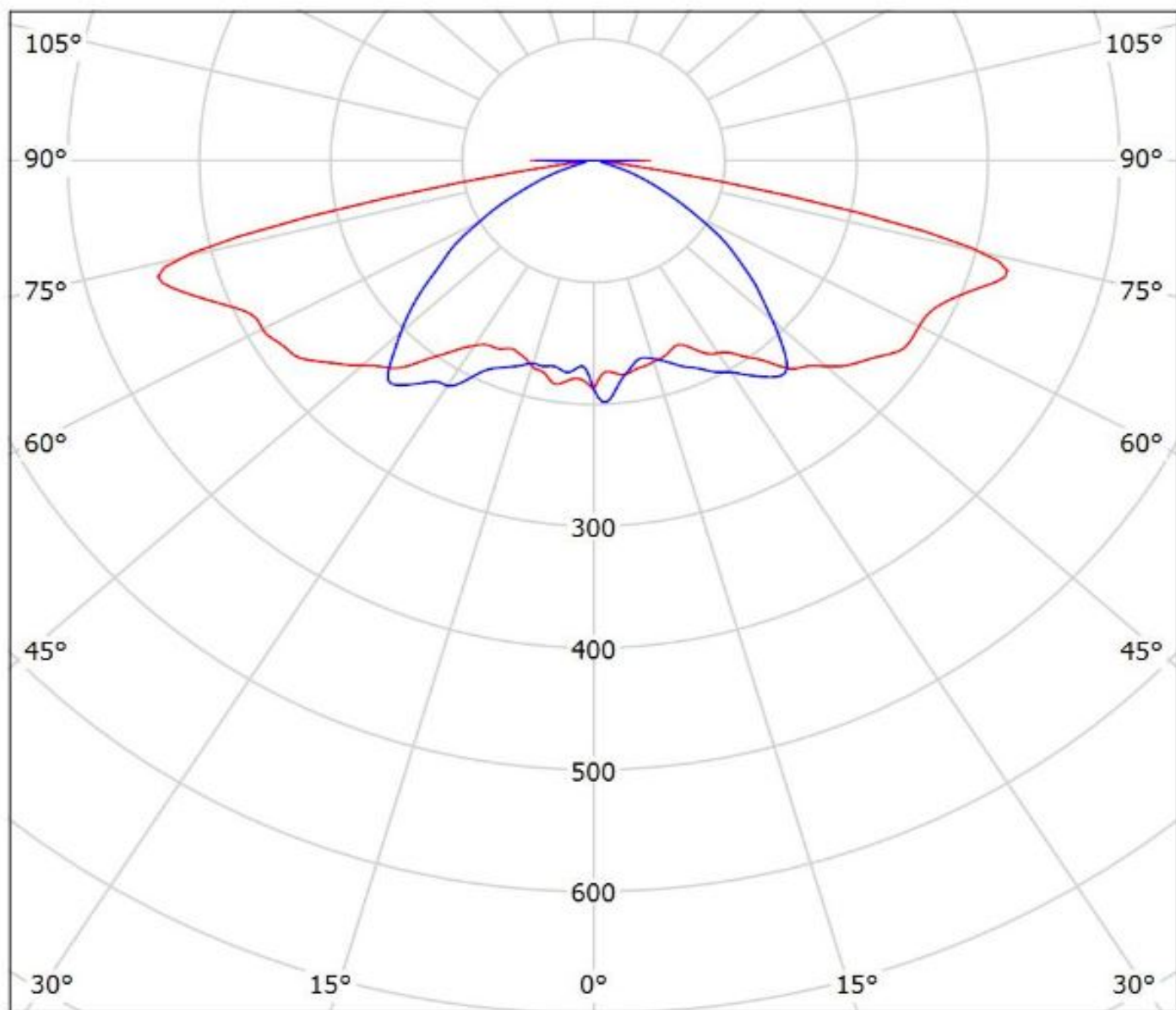


cd/klm

— C0 - C180 — C90 - C270

$\eta = 97\%$

Luminaire: Ledil Oy C14750\_STRADA-2X2-CAT\_Fortimo FastFlex LED board 2x8 DAX G4\_SIMULATED  
Lamps: 1 x Fortimo FastFlex LED board 2x8 DAX G4



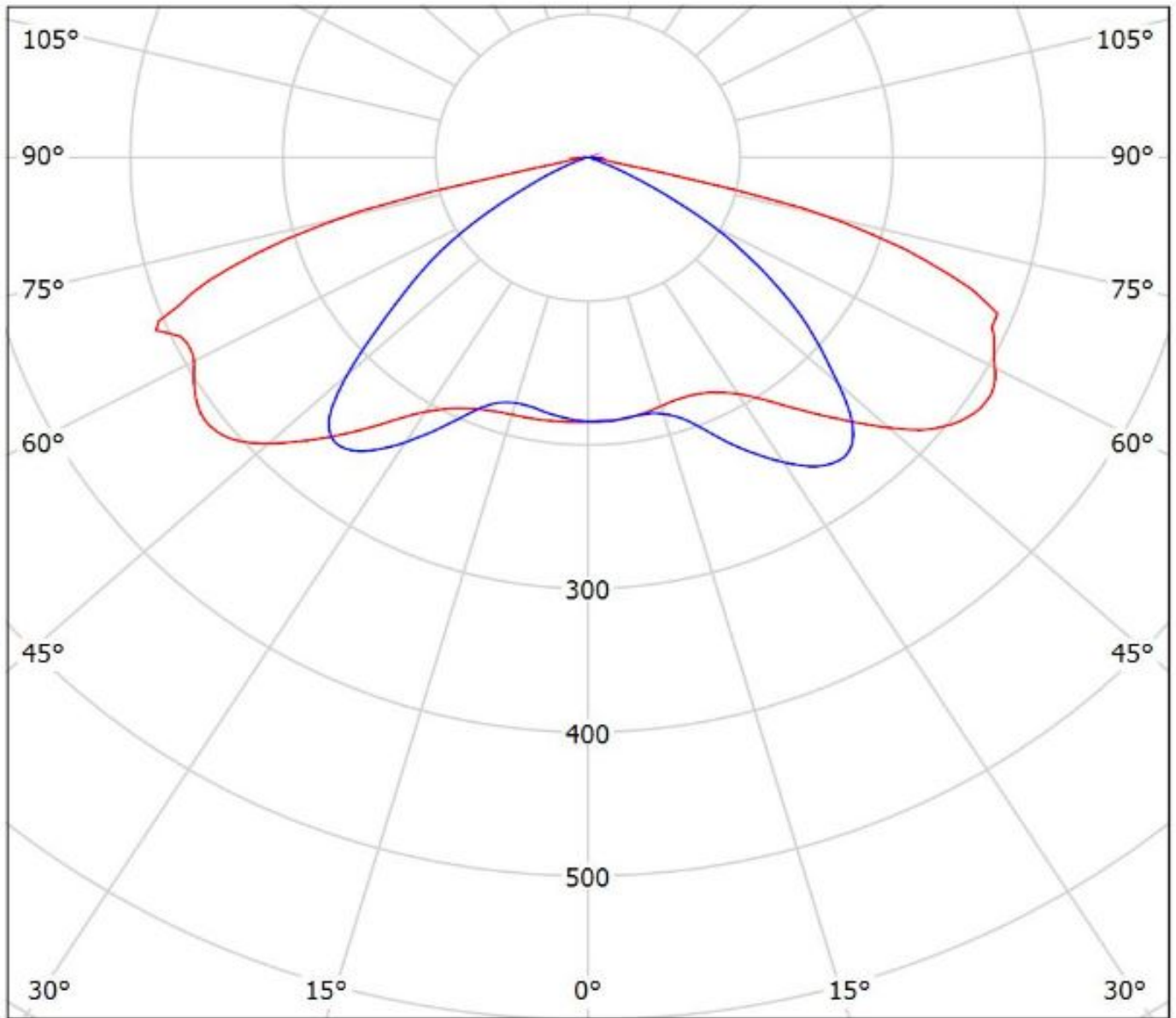
cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: Ledil C14750\_STRADA-2X2-CAT\_(LH351B)

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



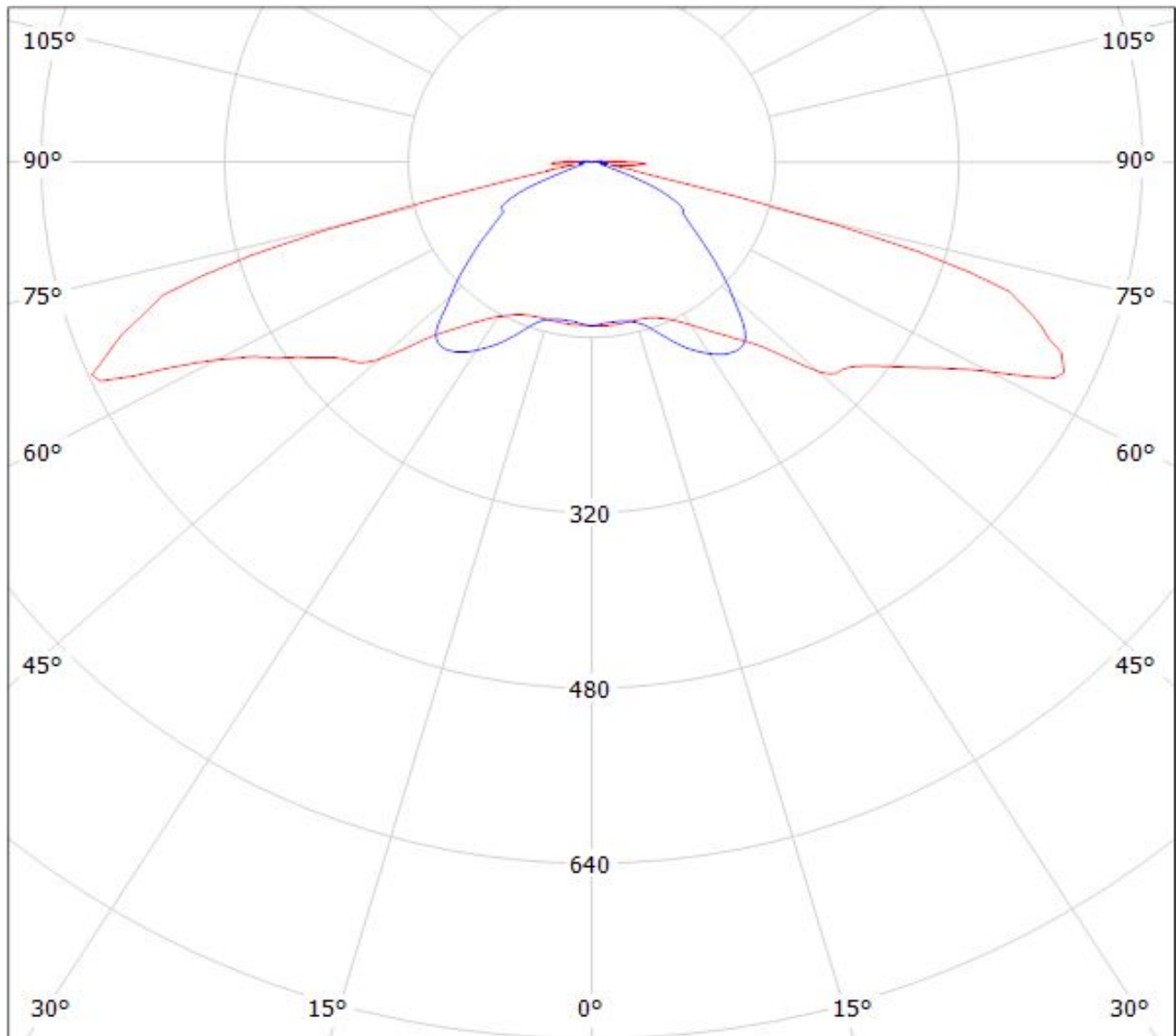
cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(Z8Y22+)

Lamps: 1 x Seoul\_Z8Y22+(W6E2G)\_498.702lm@250mA\_P=2.72132W\_I=0.250A



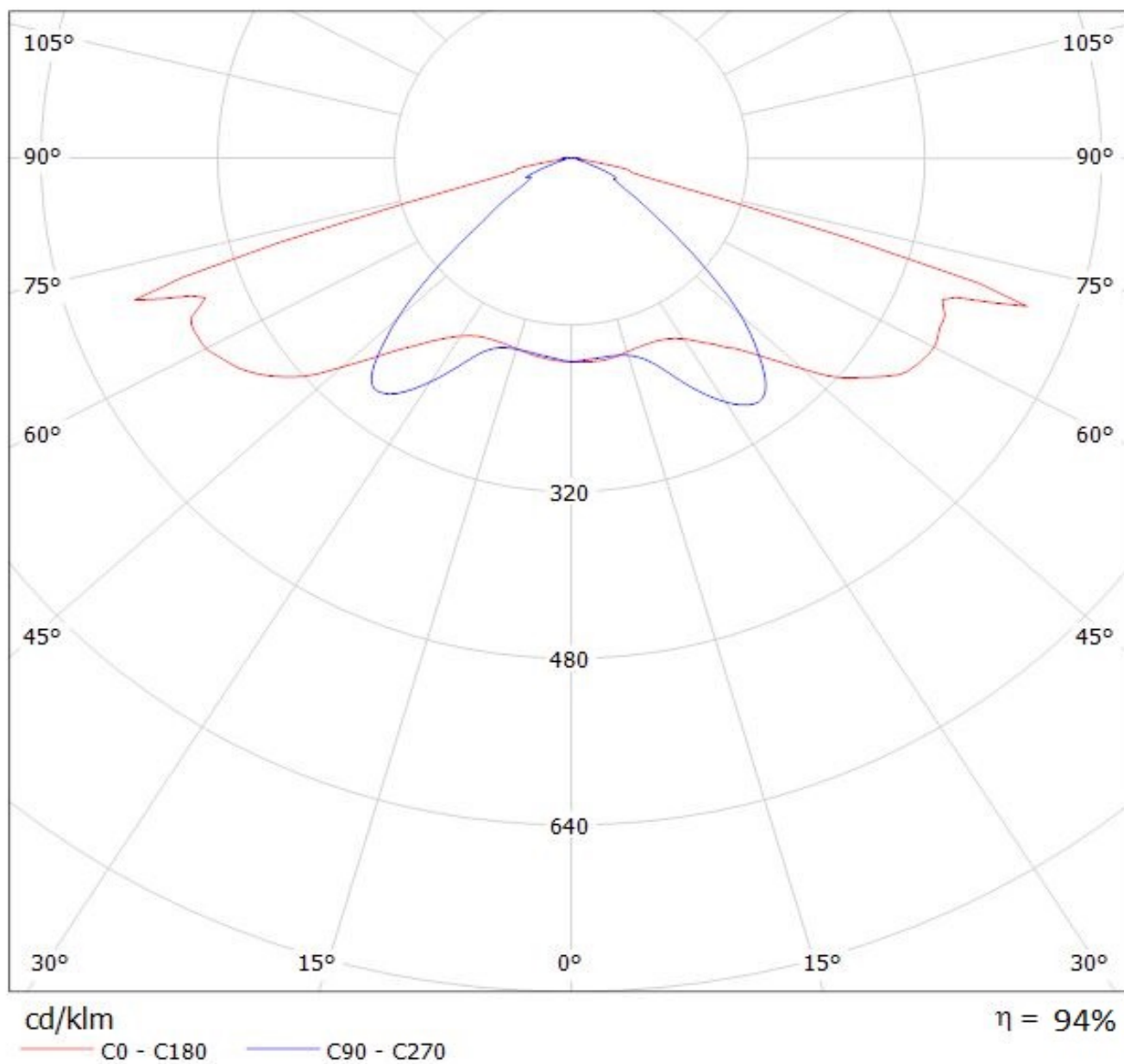
cd/klm

— C0 - C180

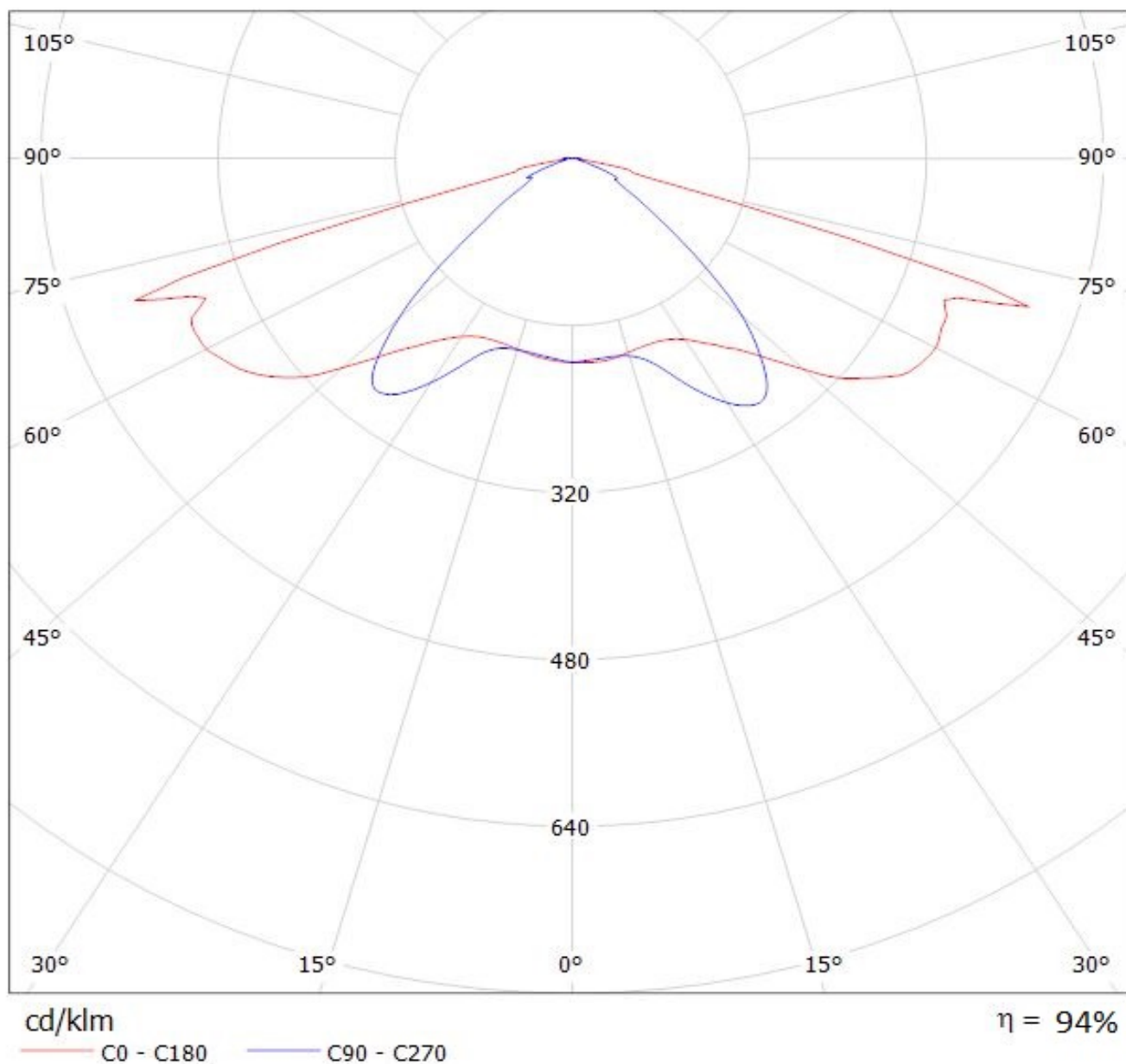
— C90 - C270

$\eta = 96\%$

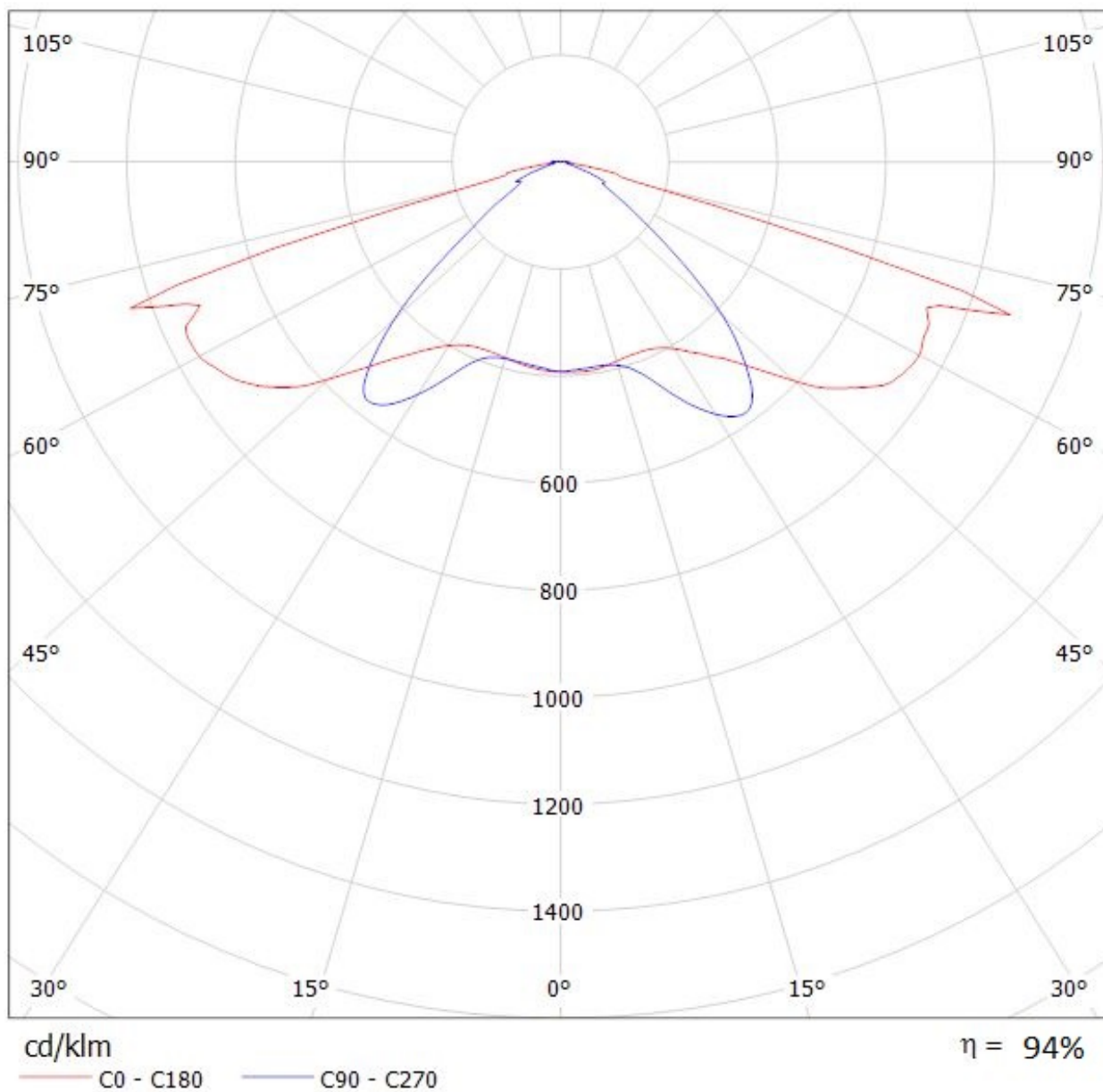
Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4594.42lm@700mA\_P=32.1515W\_I=0.700A



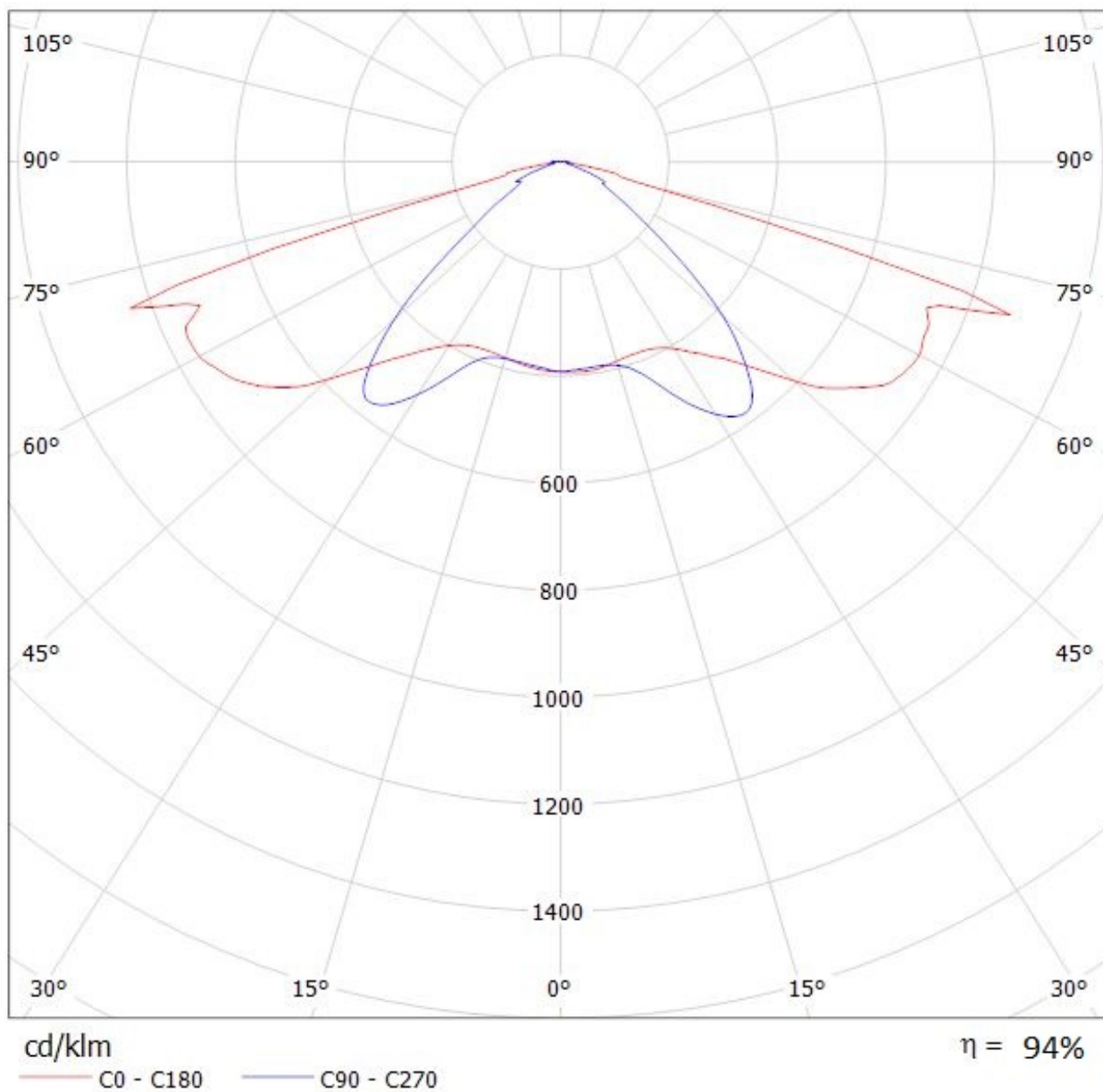
Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4594.42lm@700mA\_P=32.1515W\_I=0.700A



Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A



Luminaire: LEDiL Oy C14750\_STRADA-2X2-CAT\_(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.**