

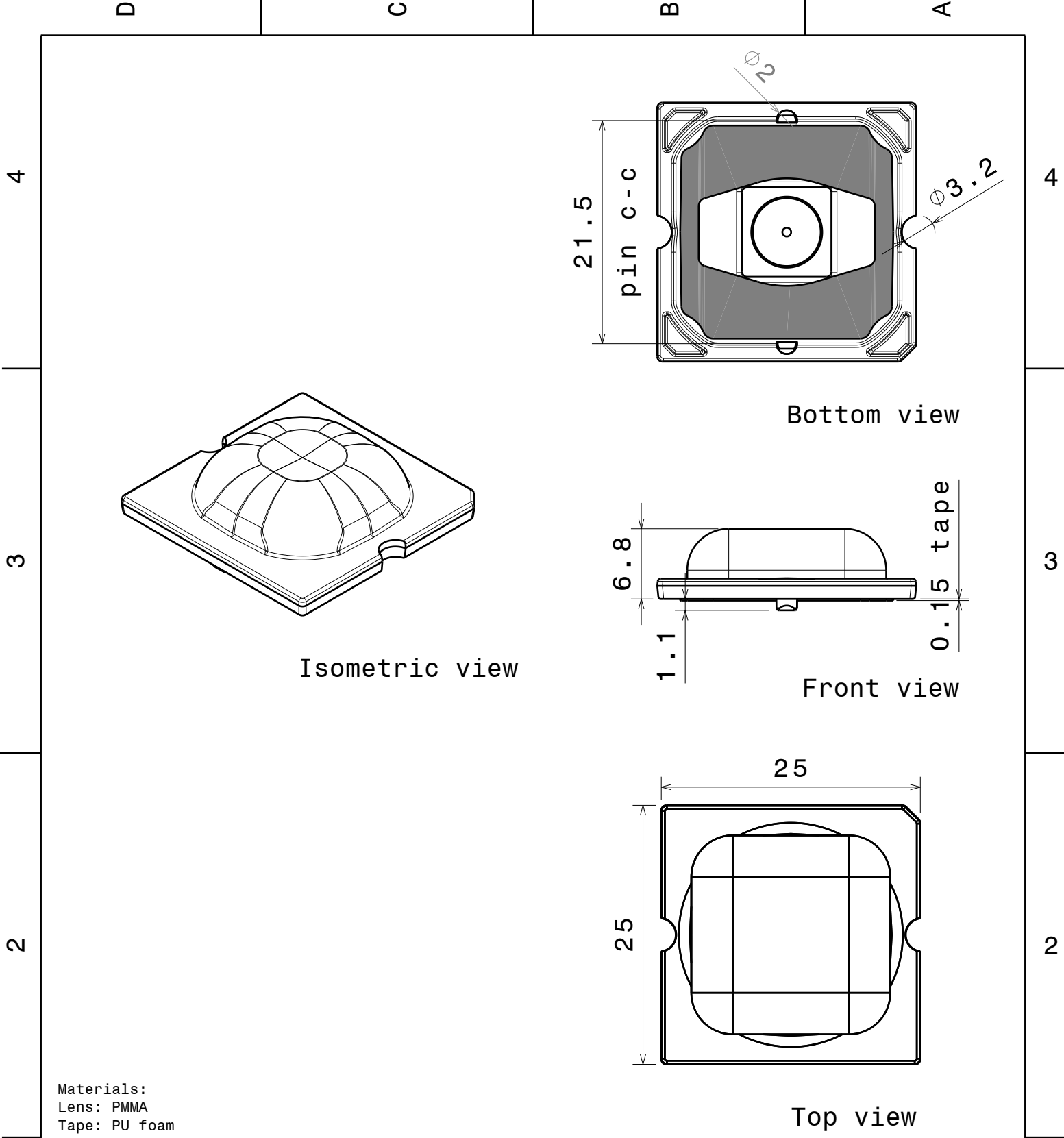
## DETAILS

<b>Product Number</b>	CA12891_STRADA-SQ-VSM
<b>Family</b>	Strada
<b>Type</b>	Assembly
<b>Color</b>	clear
<b>Diameter</b>	25 x 25 mm
<b>Height</b>	6,95 mm
<b>Style</b>	square
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	screw, pin, tape
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	21/09/2016



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XT-E	151 deg	Streetligh...	93 %	0.200	-
XM-L	154 deg	Streetligh...	93 %	0.200	-
XM-L2	155 deg	Streetligh...	94 %	0.400	-
MK-R	156 deg	Streetligh...	91 %	0.300	-
XP-L	150 deg	Streetligh...	94 %	0.500	-
XP-L2	146 deg	Streetligh...	93 %	0.400	-
LUXEON M/MX	154 deg	Streetligh...	93 %	0.250	-
LUXEON T	145 deg	Streetligh...	92 %	0.700	-
LUXEON H50-2	sim: 140	Streetligh...	sim: 90 %	sim: 0.550	-
LUXEON MZ	148 deg	Streetligh...	94 %	0.410	-
LUXEON TX	148 deg	Streetligh...	94 %	0.670	-
LUXEON XR-M linear 1x3, 1x4, 1x5	151 deg	Streetligh...	92 %	0.340	-
NS9x383	149 deg	Streetligh...	91 %	0.470	-
NV4x144A	156 deg	Streetligh...	91 %	0.330	-
NVSxx19B/NVSxx19C	sim: 144	Streetligh...	sim: 89 %	sim: 0.500	-
Duris S10	148 deg	Streetligh...	93 %	0.330	-
Duris P10	sim: 150	Streetligh...	sim: 89 %	sim: 0.400	-



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 our written agreement.



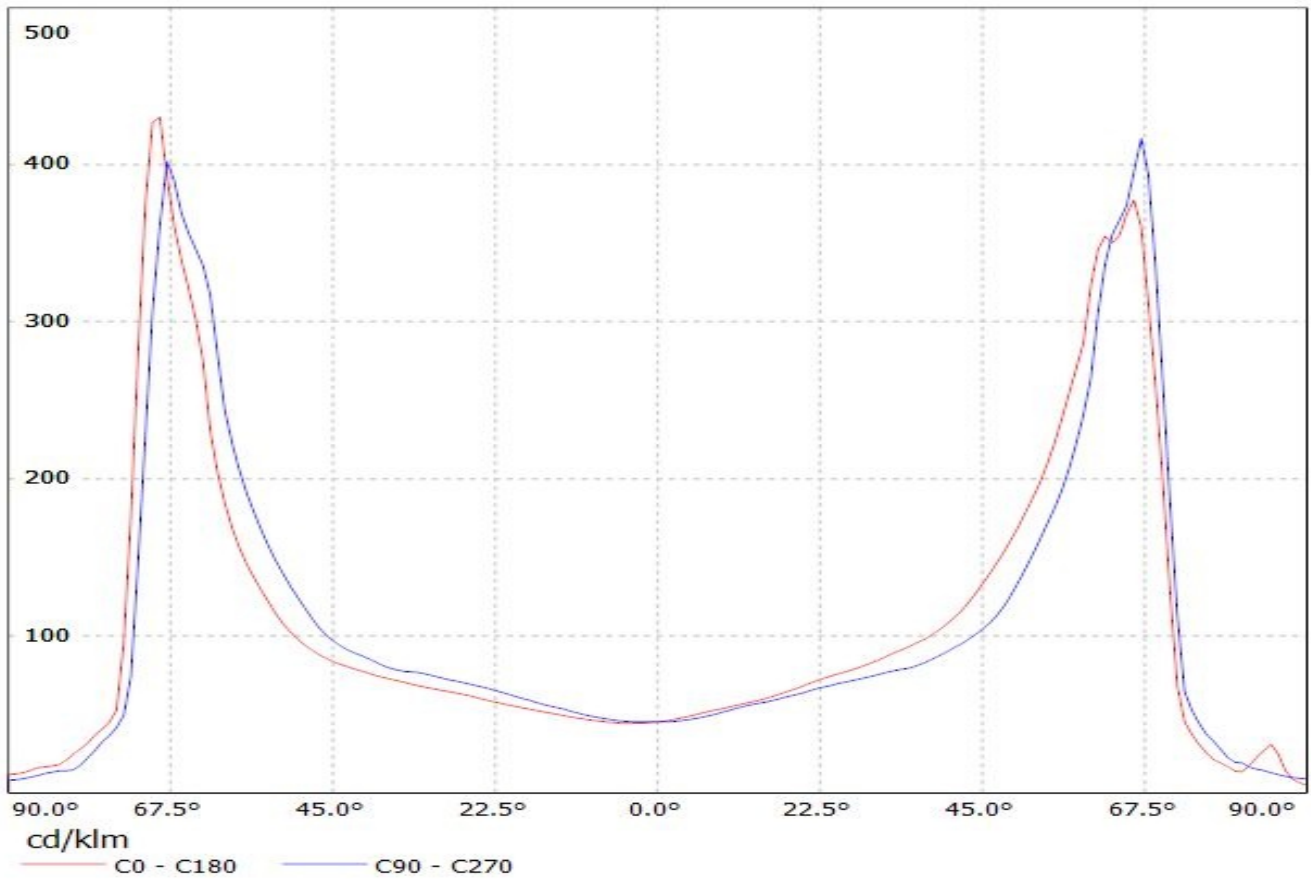
Ledil Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland

DRAWING TITLE

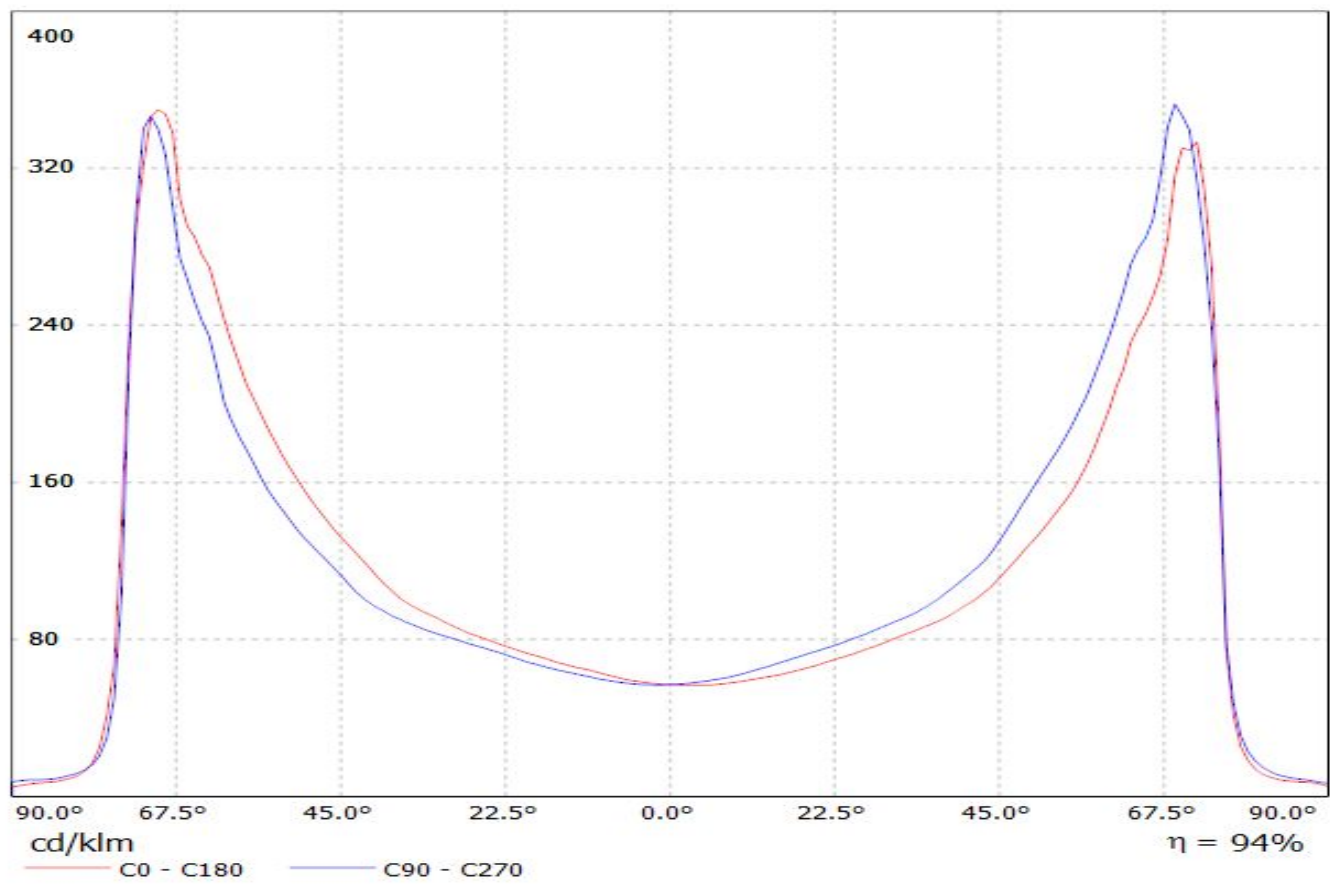
Datasheet STRADA-SQ-VSM

DRAWN BY <b>ol</b>	DATE 4.5.2012	DRAWING TITLE <b>Datasheet STRADA-SQ-VSM</b>			
CHECKED BY <b>PV</b>	DATE 4.5.2012	SIZE <b>A4</b>	DRAWING NUMBER <b>CA12891</b>		REV <b>01</b>
DESIGNED BY <b>OL</b>	DATE 24.4.2012	SCALE <b>2:1</b>	WEIGHT (kg) <b>0,00</b>	SHEET <b>1/1</b>	

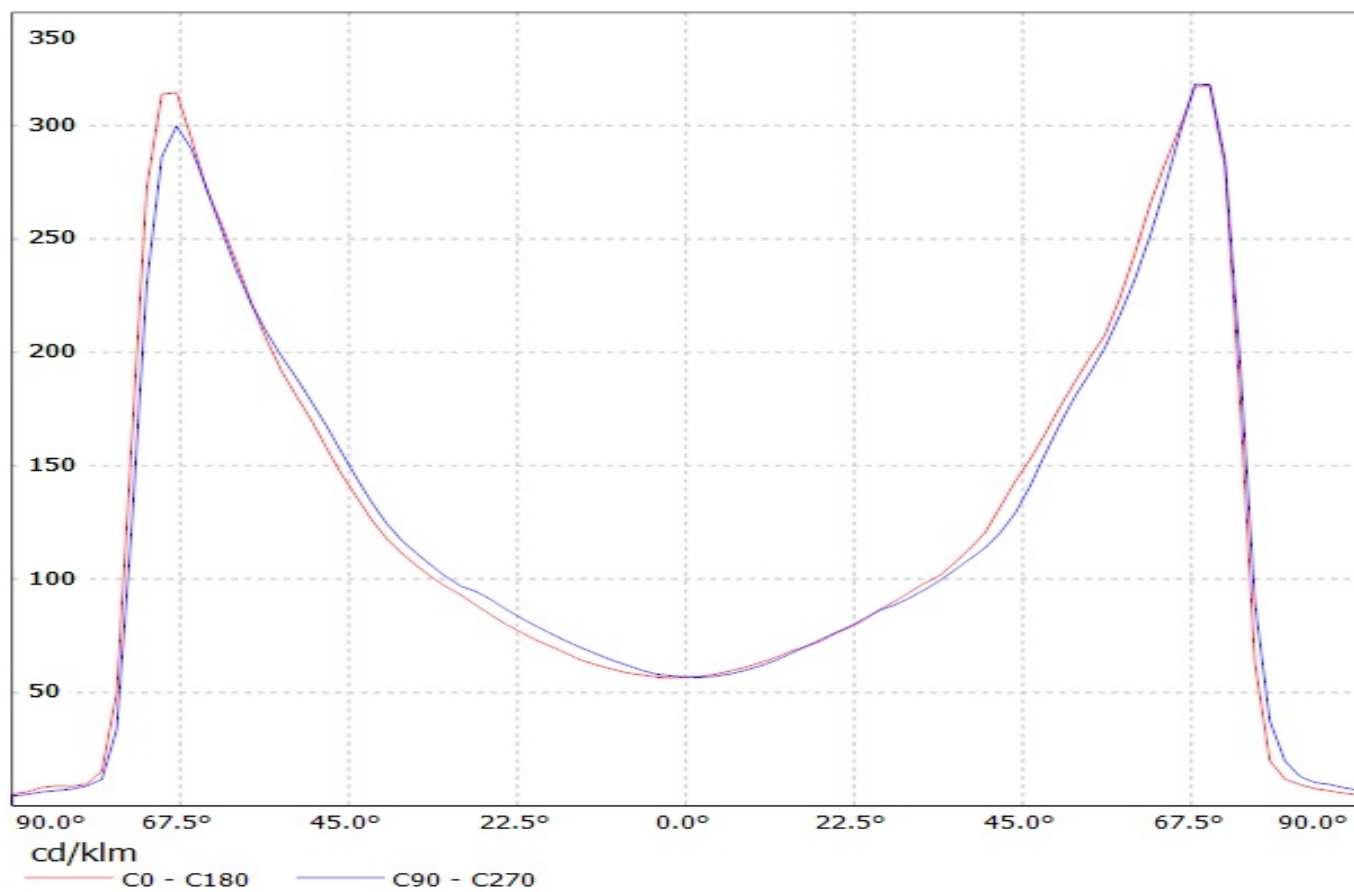
Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(XT-E) Eff. 93%  
Lamps: 1 x Cree XT-E 100lm @ 250mA



Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(XM-L) Eff.93%  
Lamps: 1 x CREE\_XM-L\_78.0576lm@250mA\_P=0.71104W\_I=249.9mA



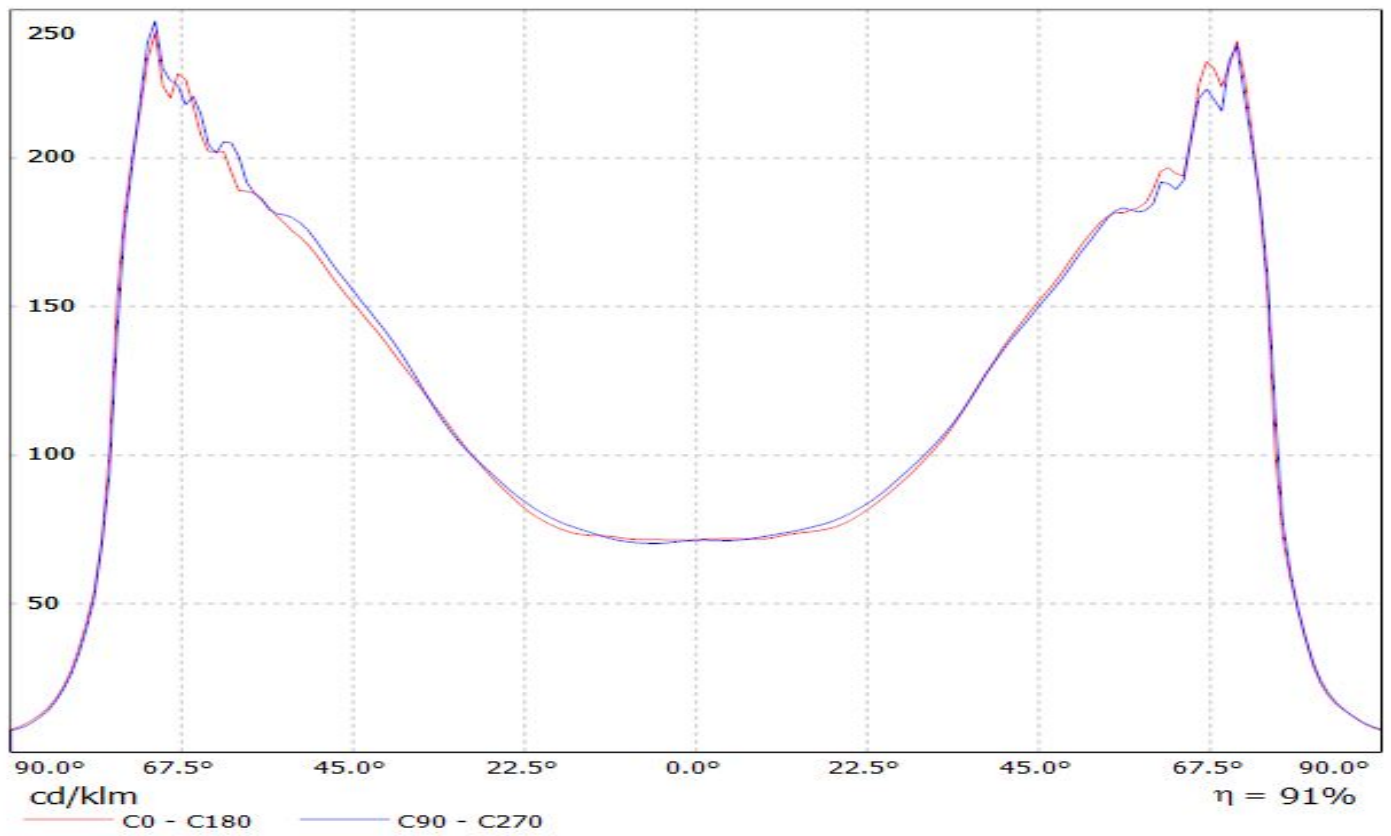
Luminaire: LEDil Oy CA12891\_STRADA-SQ-VSM\_(XM-L2) Efficiency=94%  
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA



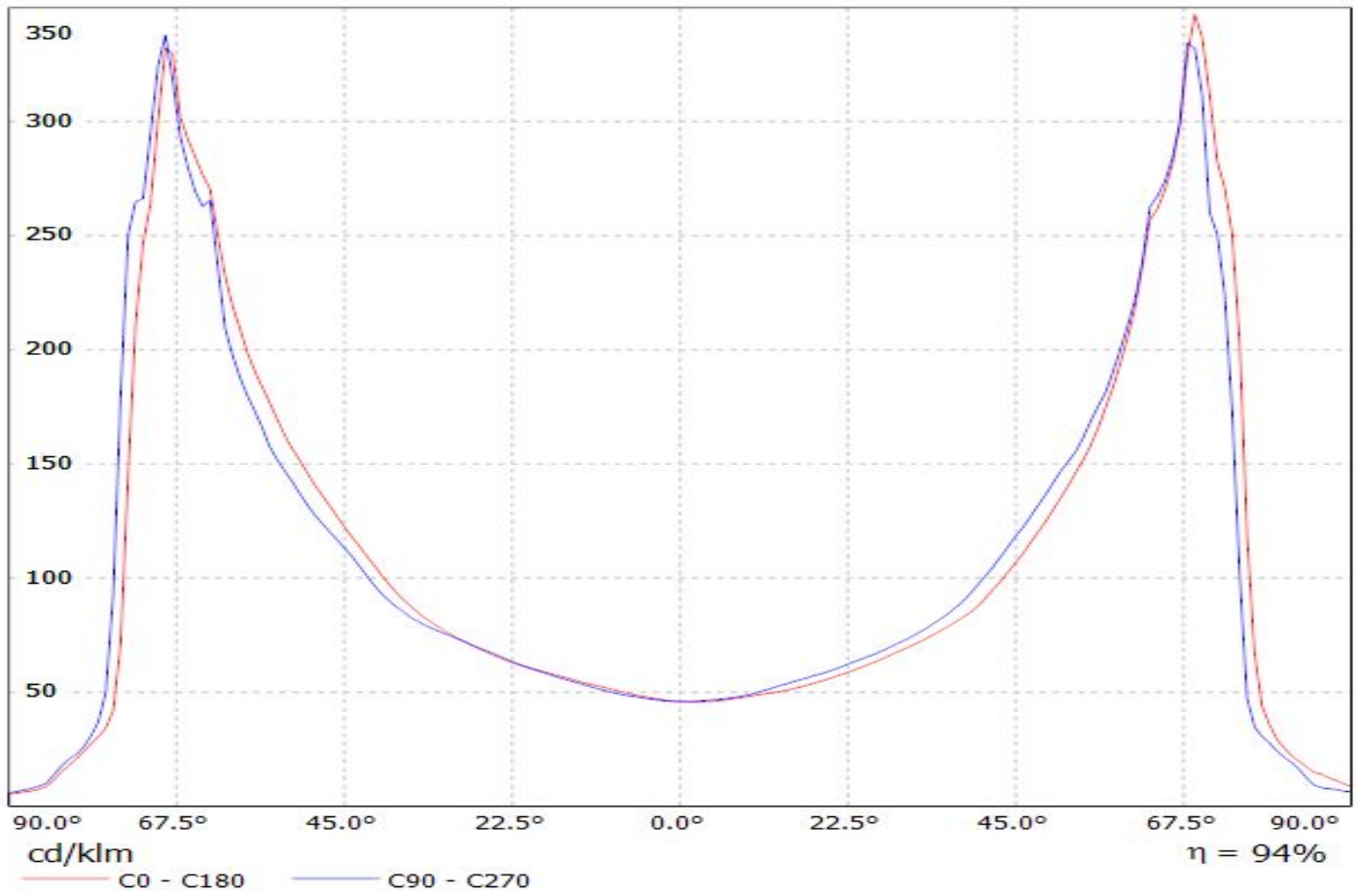
# LEDiL Oy CA12891\_STRADA-SQ-VSM\_(MKR) Eff.90.8% / LDC (Linear)

Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(MKR) Eff.90.8%

Lamps: 1 x Cree MKR (368.505lm@250mA)

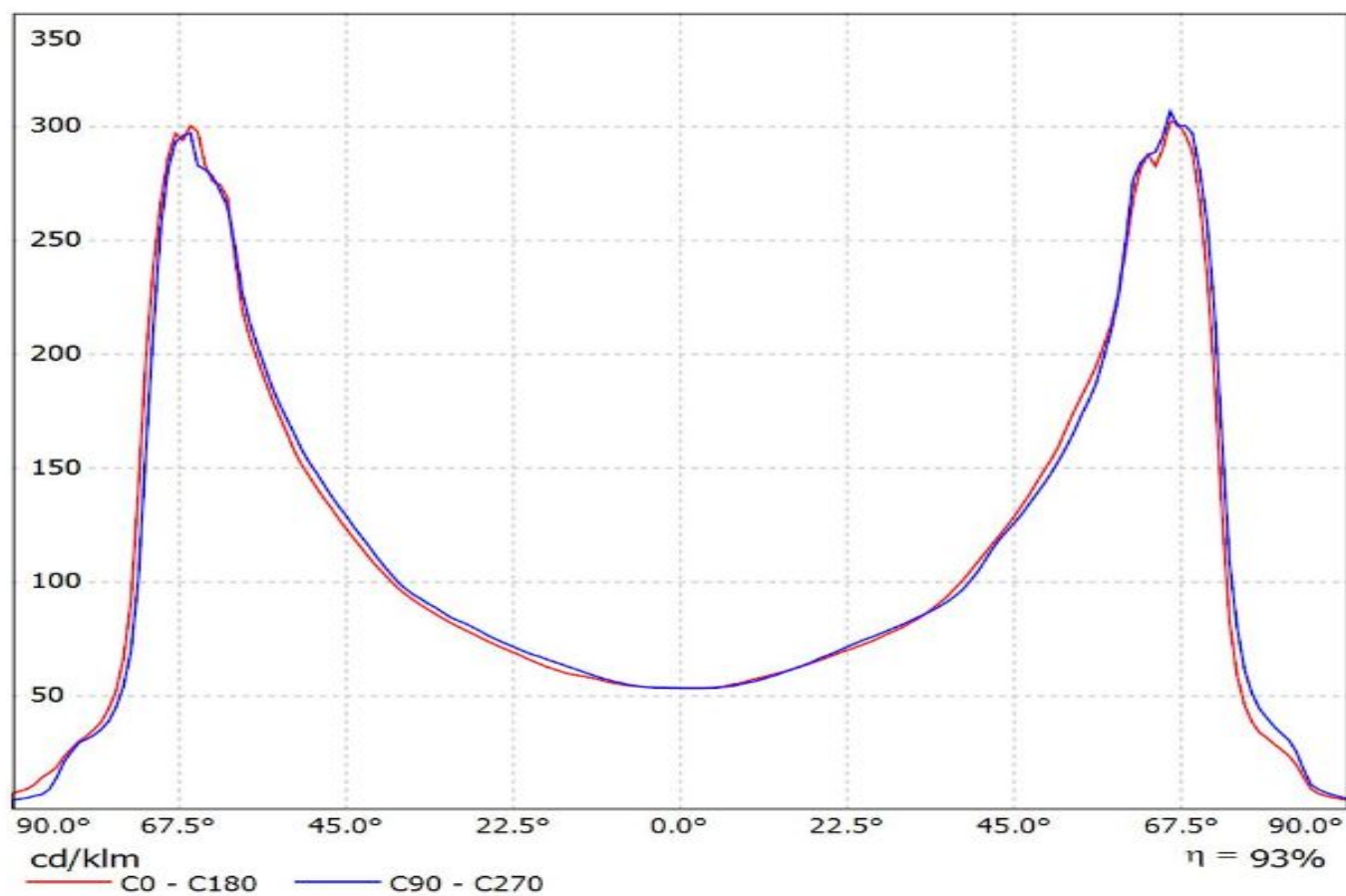


Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.584lm@250mA\_P=0.738255W\_I=249.9mA



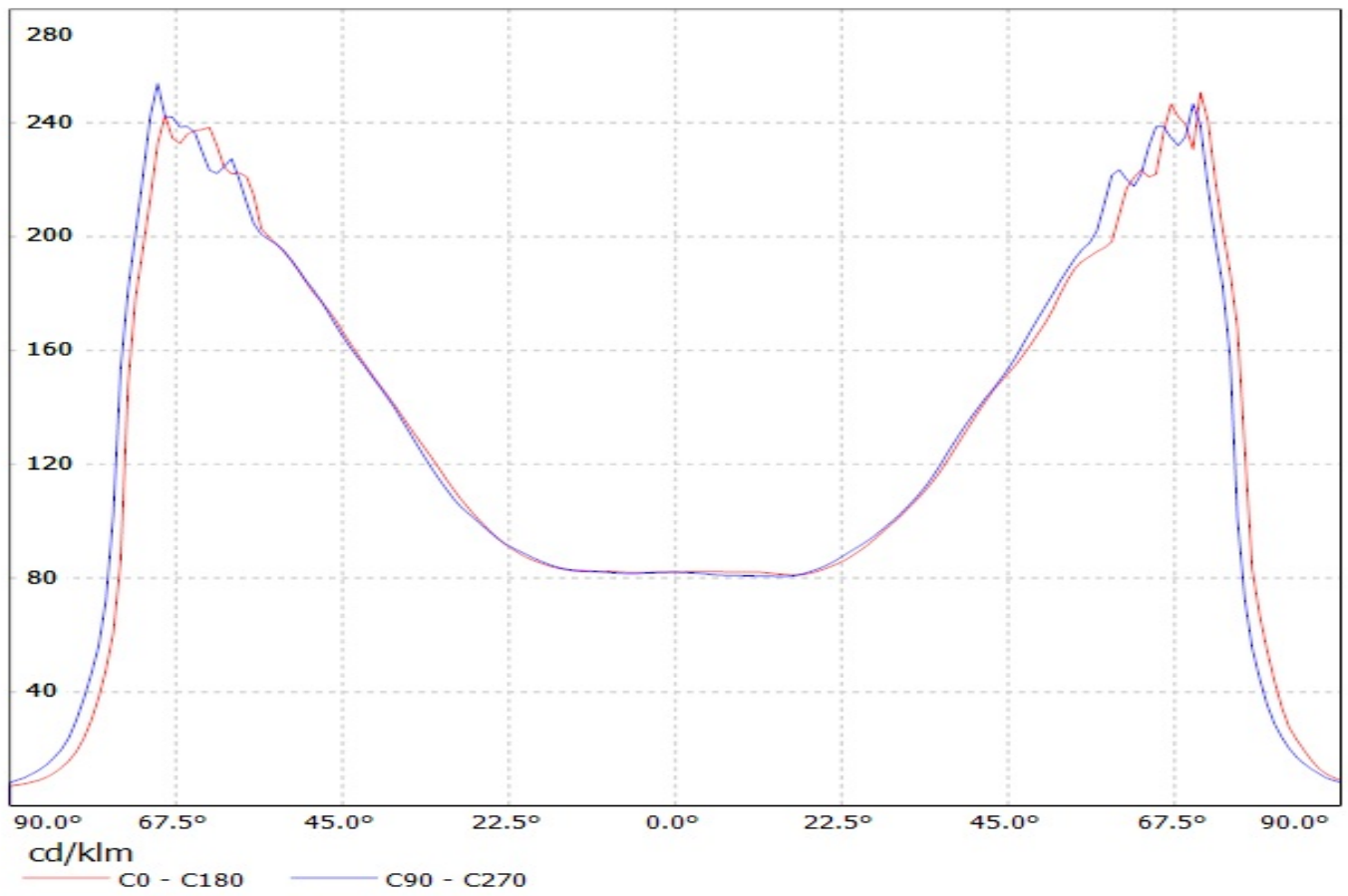
Luminaire: Ledil CA12891\_STRADA-SQ-VSM\_(XP-L2)

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

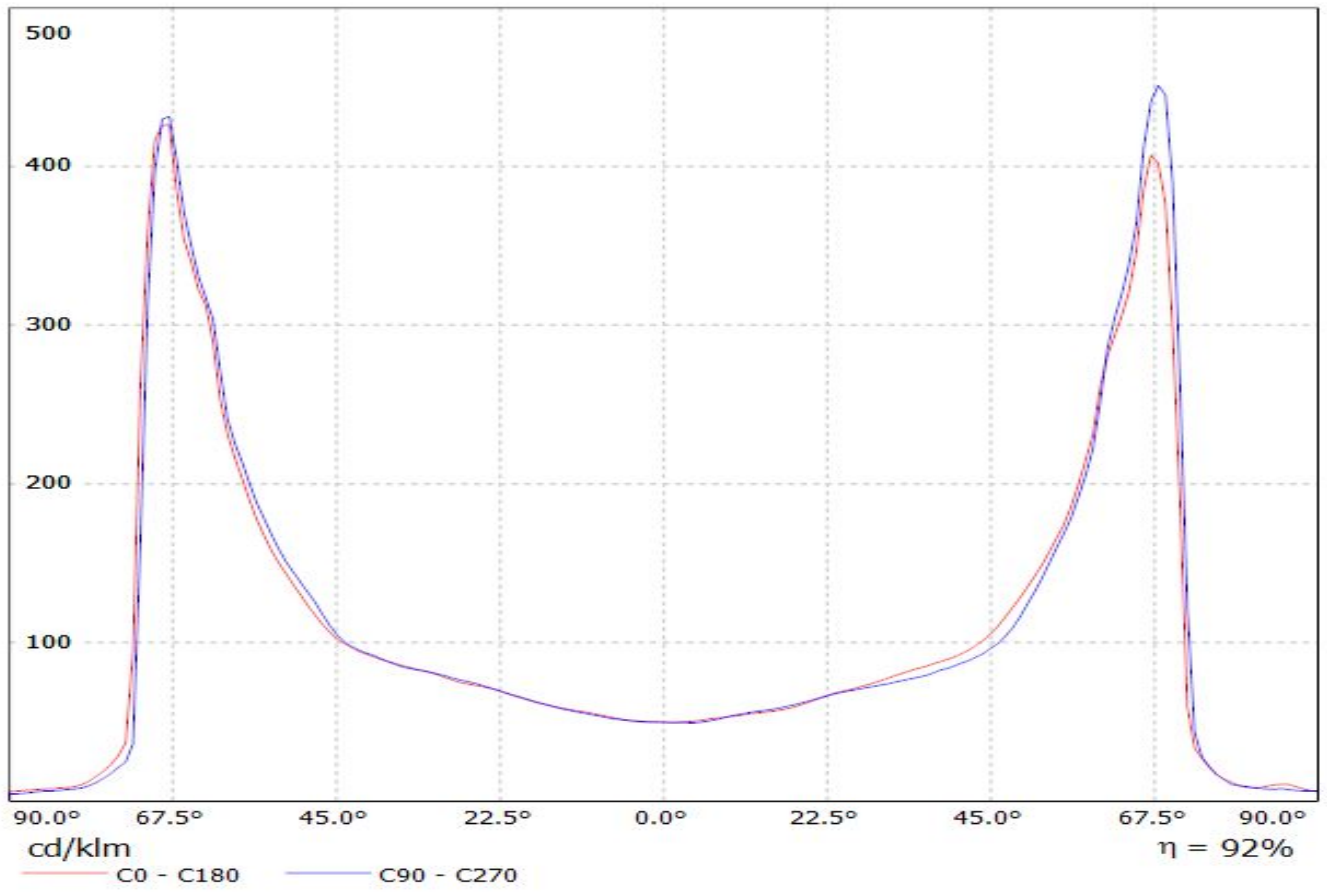




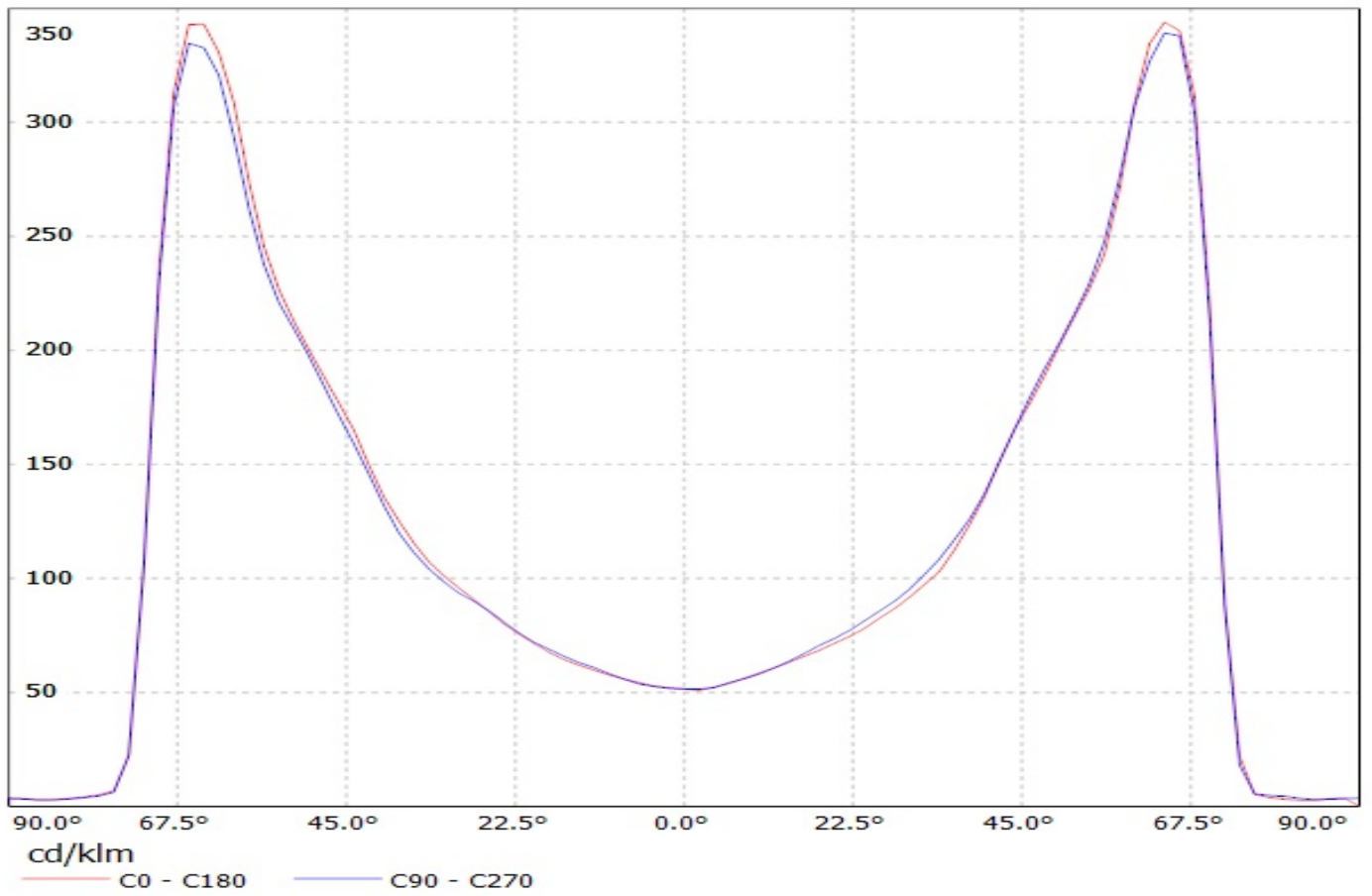
Luminaire: LEDIL OY C12727\_STRADA-SQ-VSM (Luxeon M) Efficiency=95%  
Lamps: 1 x Luxeon M (360lm@250mA)



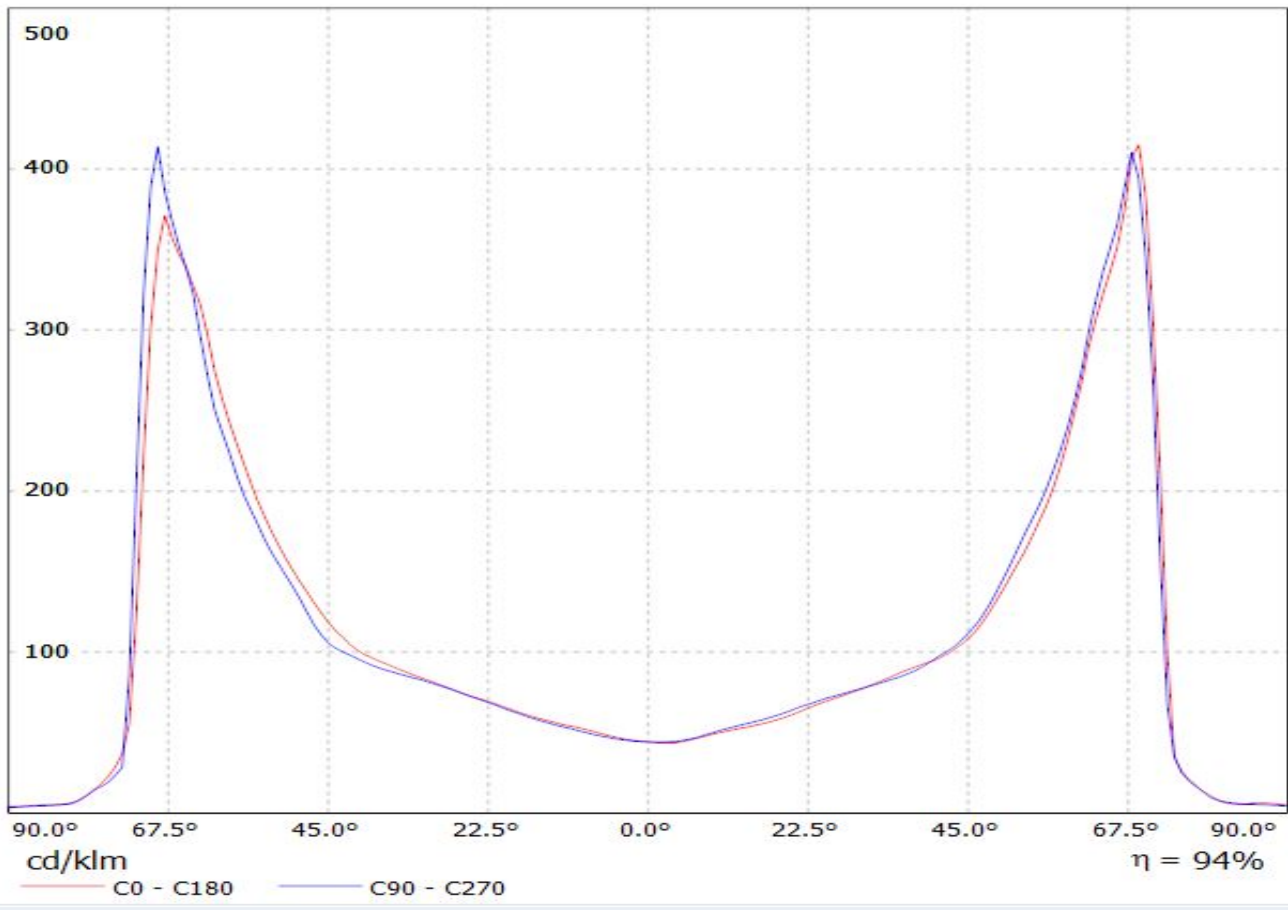
Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(LUXEON\_T) Eff.92.4%  
Lamps: 1 x LUXEON T (74lm@250mA)



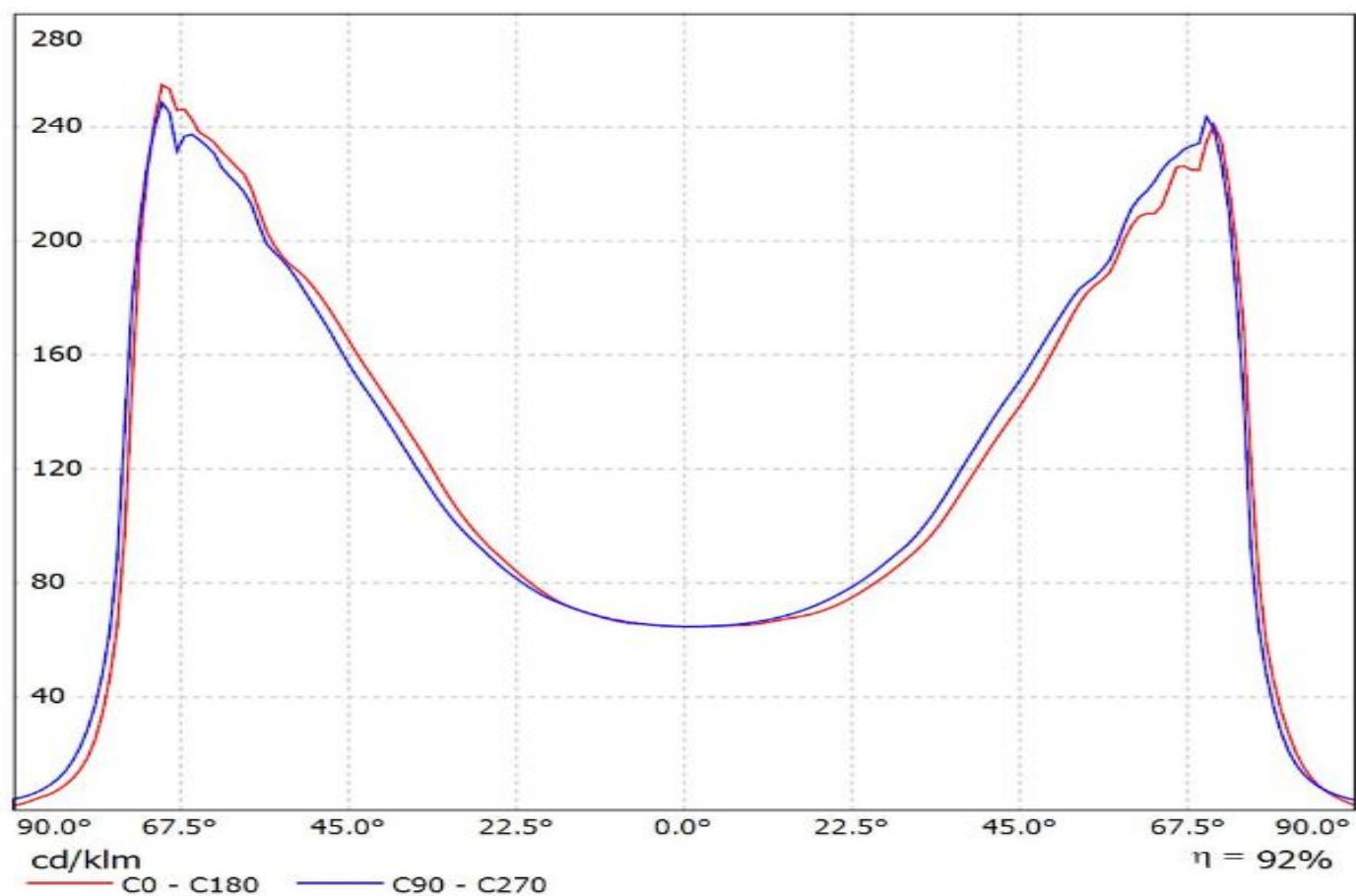
Luminaire: LEDil Oy CA12891\_STRADA-SQ-VSM\_(Luxeon\_MZ) Efficiency=94%  
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



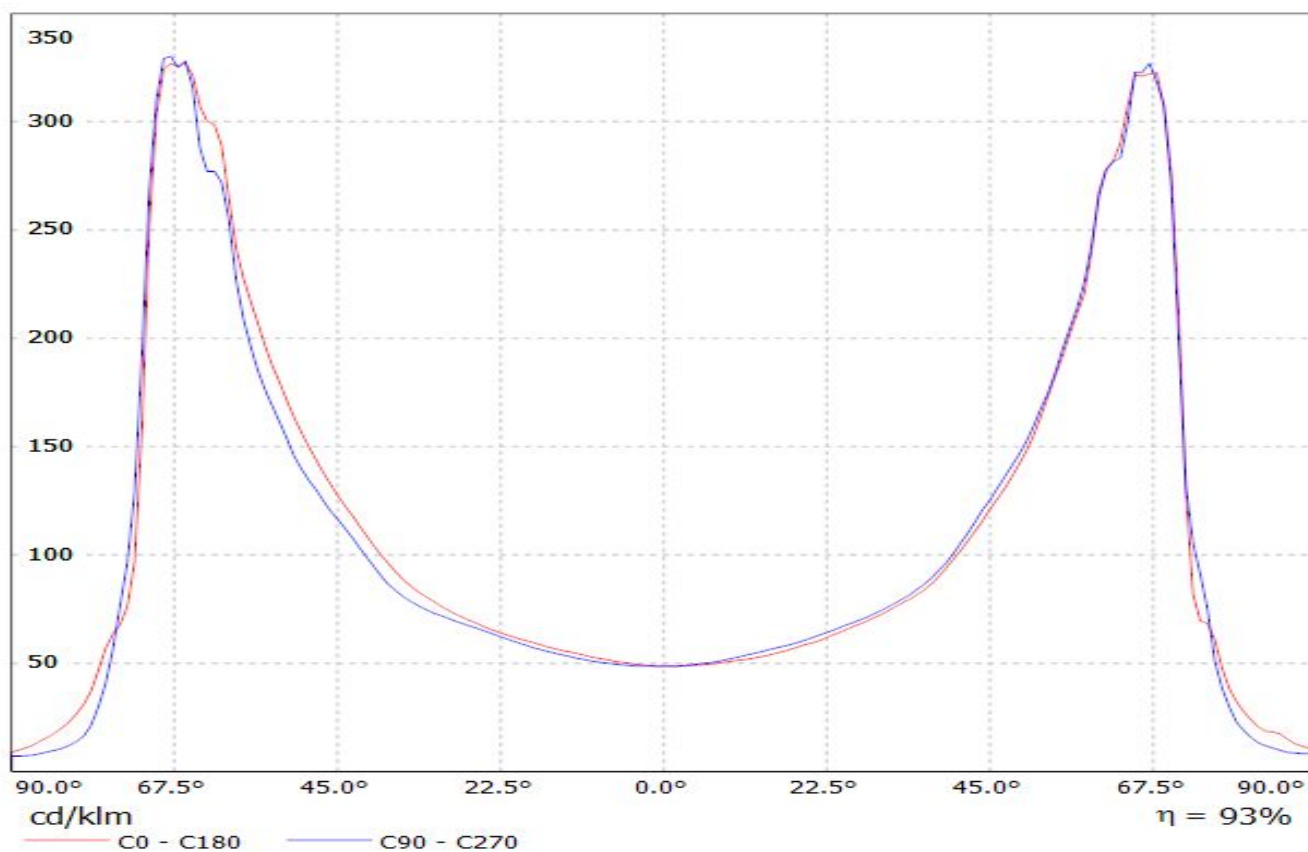
Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(Luxeon\_TX) Eff.94.1%  
Lamps: 1 x Luxeon\_TX\_(L1T2-3585)\_80.2531lm@250mA\_CCT=3500K\_P=0.730933W\_I=249.9mA



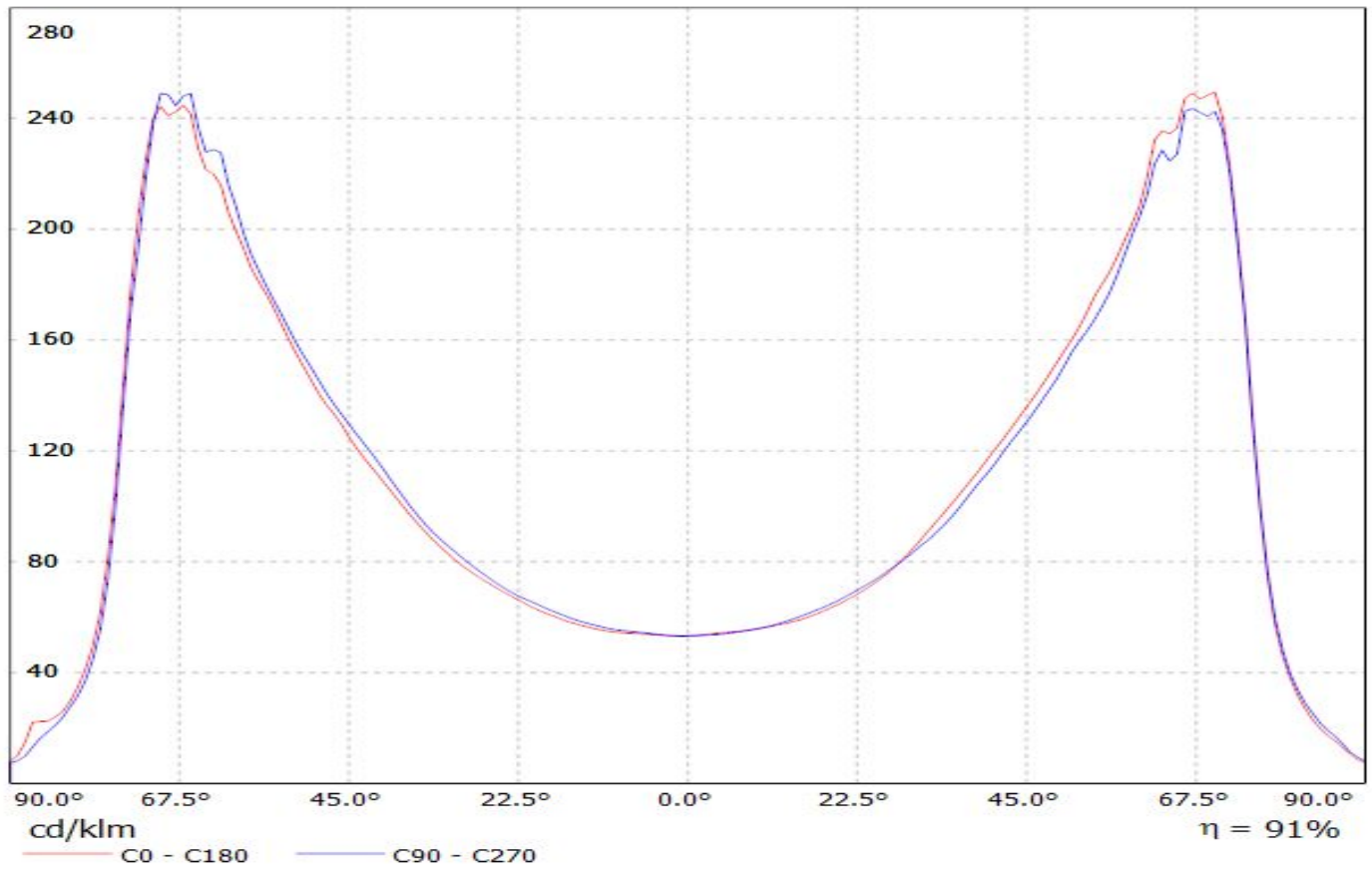
Luminaire: Ledil CA12891\_STRADA-SQ-VSM\_(LUXEON\_XR-M\_Linear\_1x4)  
Lamps: 1 x Lumiled\_LUXEON\_XR-M\_Linear\_1x4\_1798.32lm@250mA\_P=11.005W\_η=0.25A



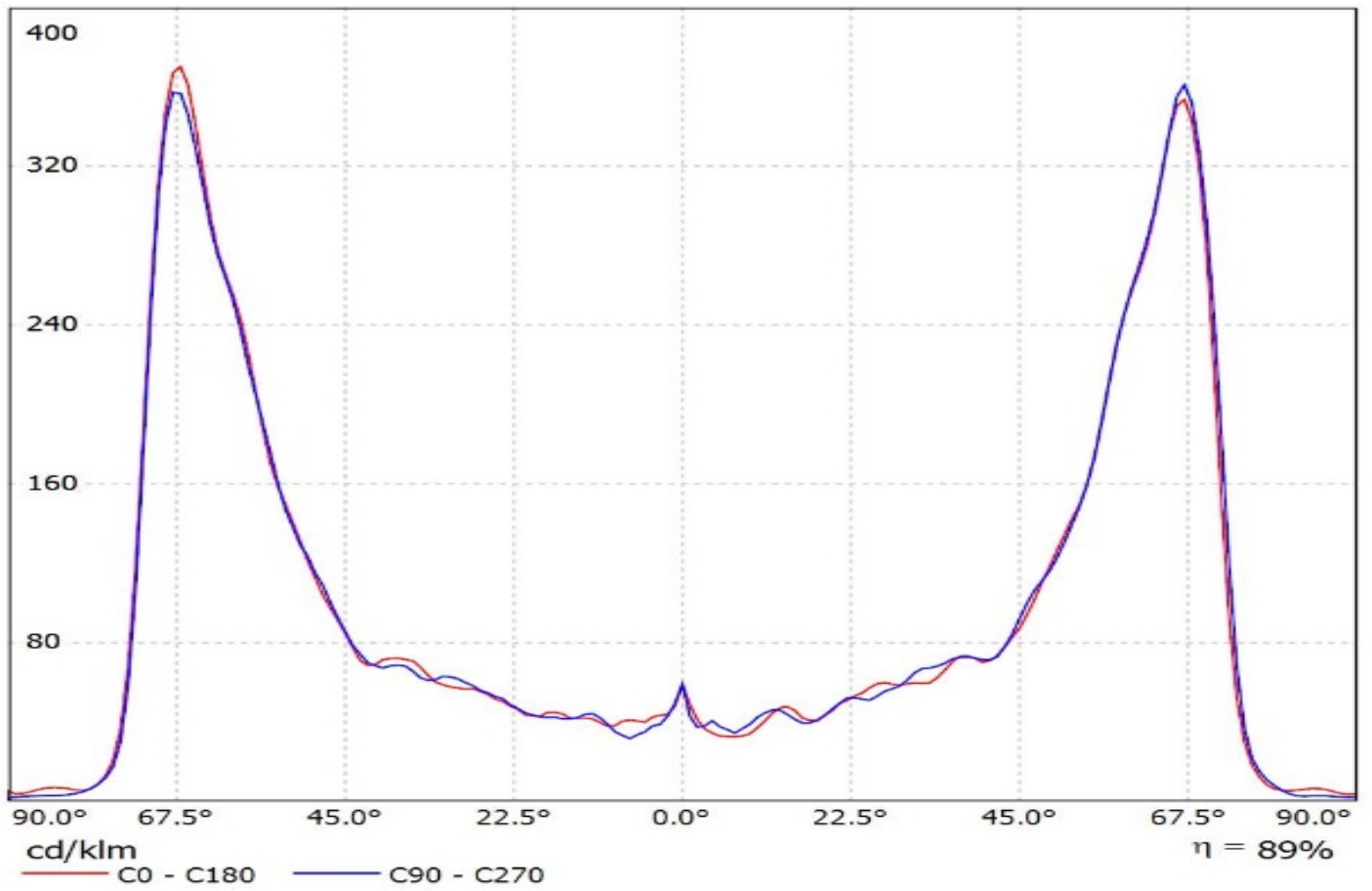
Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(NS9x383) Eff. 92,6%  
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(NV4x144A)  
Lamps: 1 x Nichia\_NV4x144A\_477.906lm@250mA\_P=2.8045W\_I=0.250A



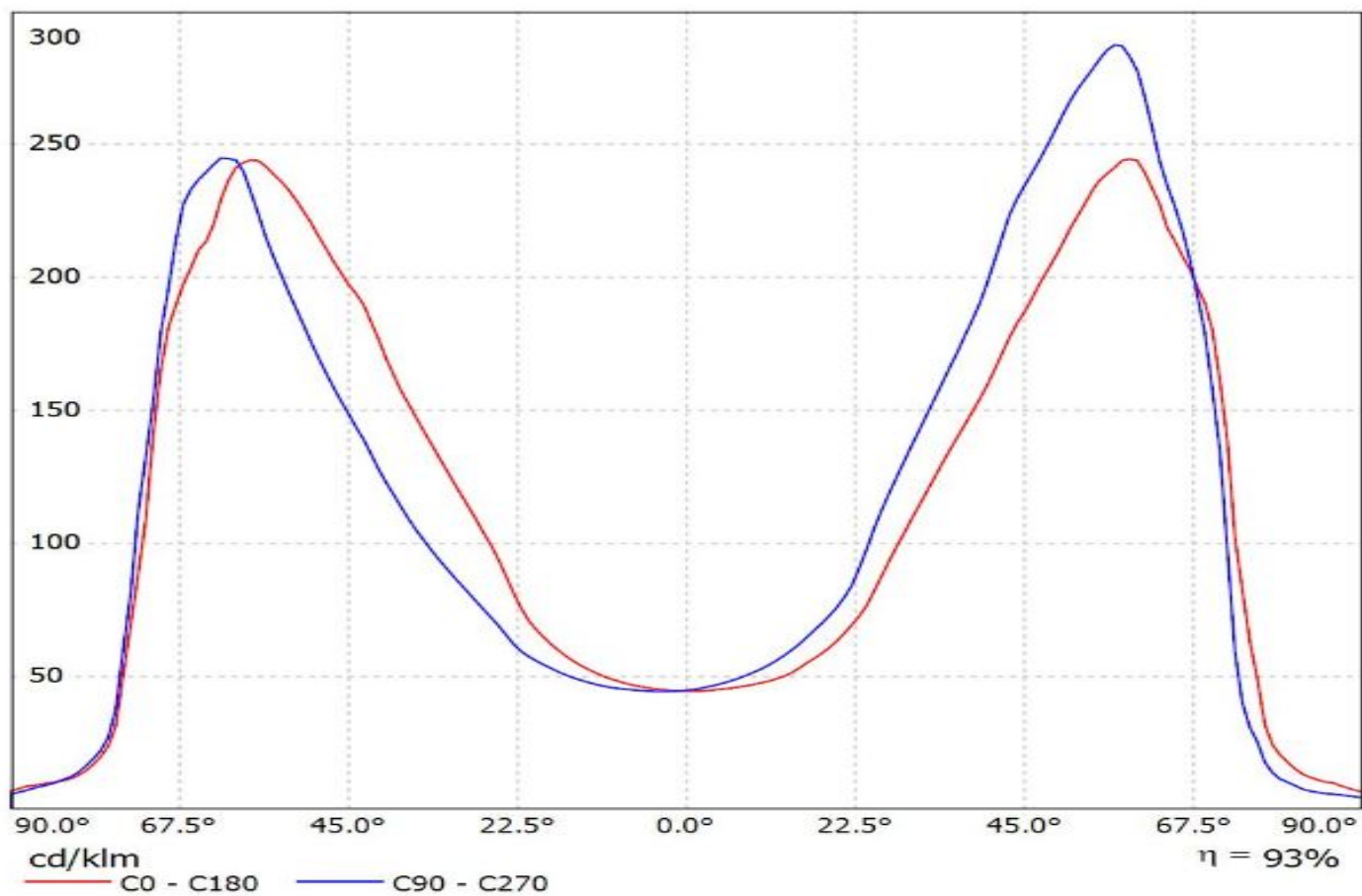
Luminaire: Ledil Oy CA12891\_STRADA-SQ-VSM\_(NVSxx19C)\_SIMULATED  
Lamps: 1 x NICHIA\_NVsx219C



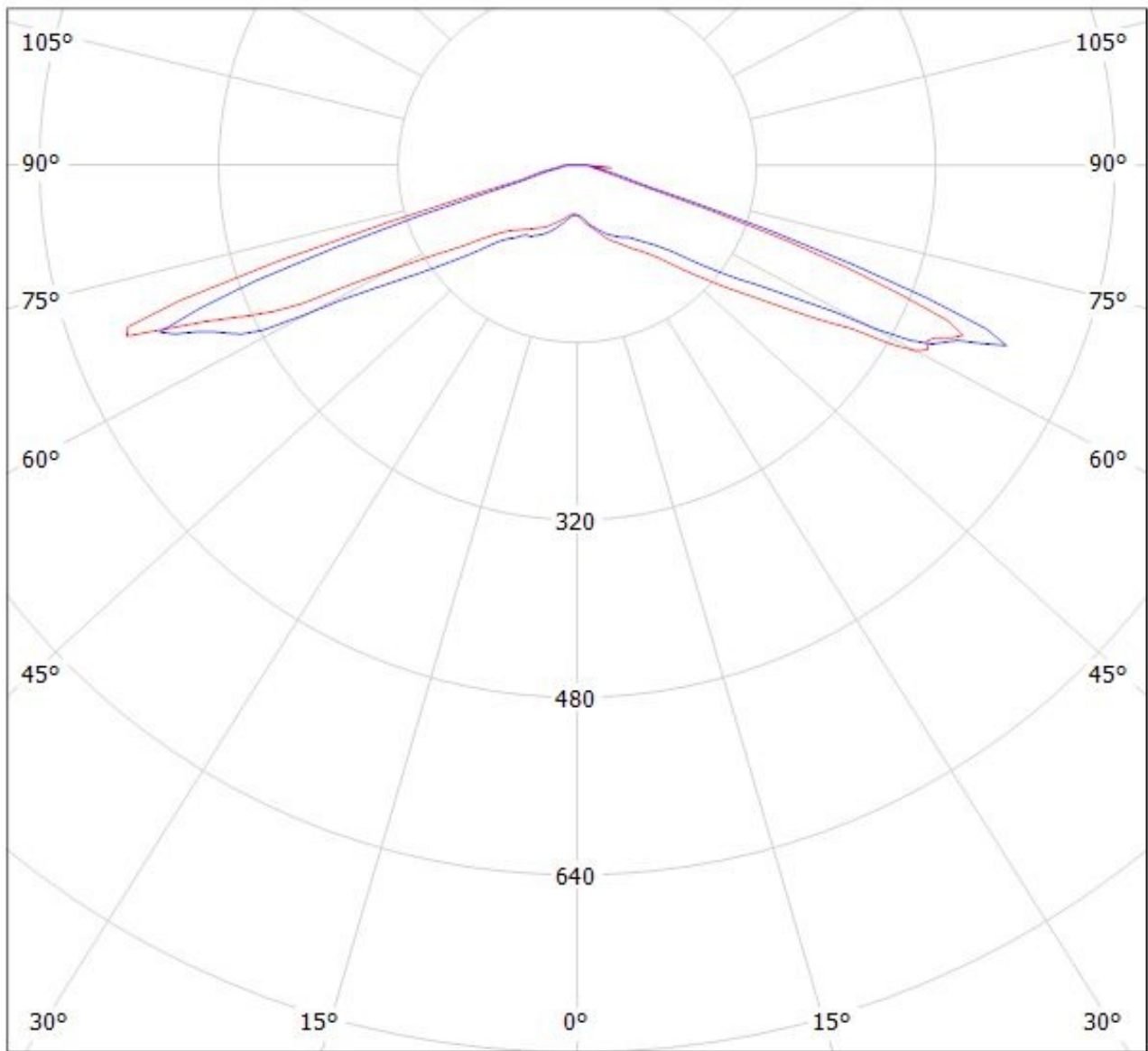


Luminaire: Ledil CA12891\_STRADA-SQ-VSM\_(Duris\_S10)

Lamps: 1 x Osram\_Duris\_S10\_(GW-P7LP32.EM)\_992.375lm@250mA\_P=9.2362W\_I=0.25A



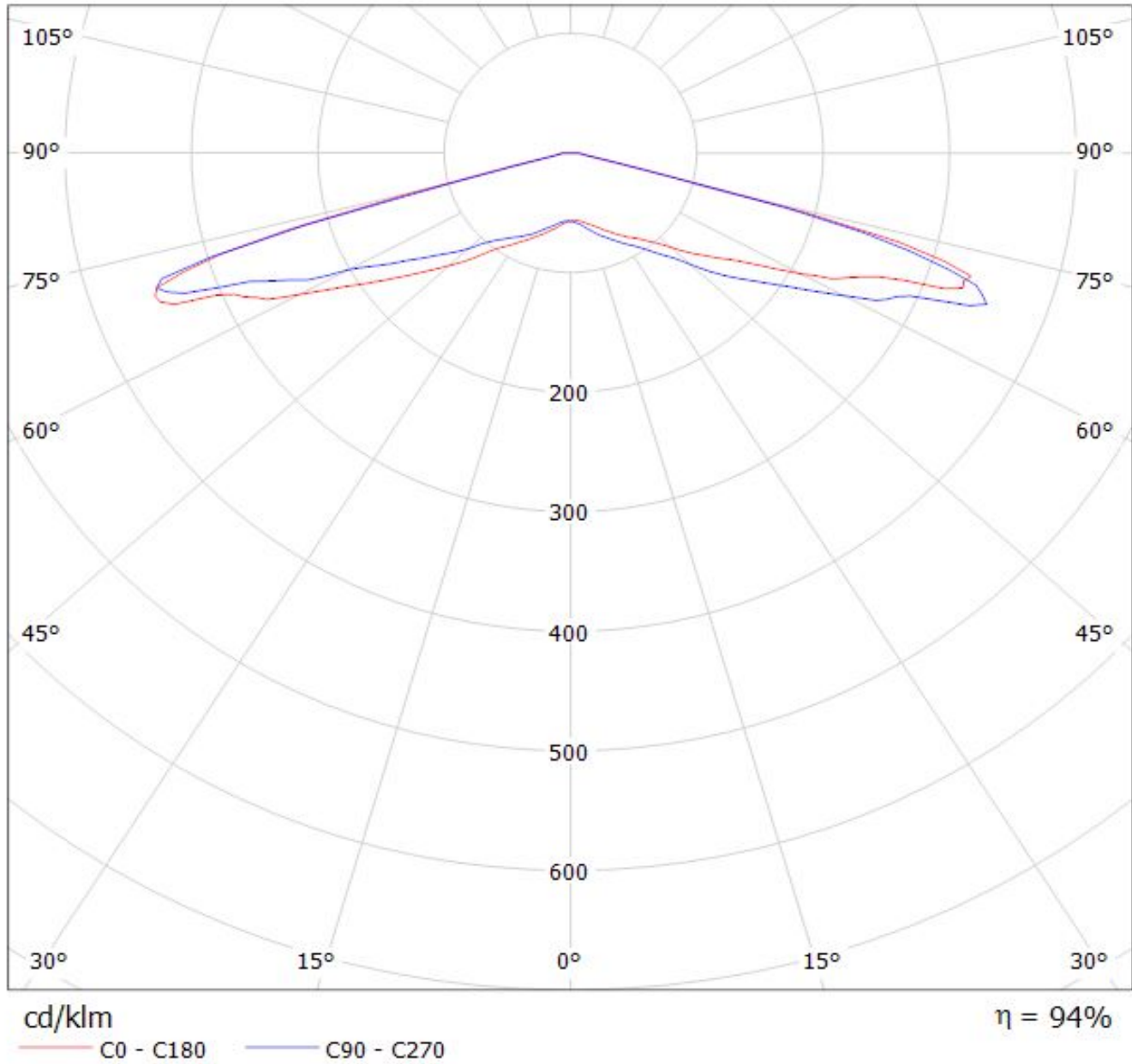
Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(XT-E) Eff. 93%  
Lamps: 1 x Cree XT-E 100lm @ 250mA



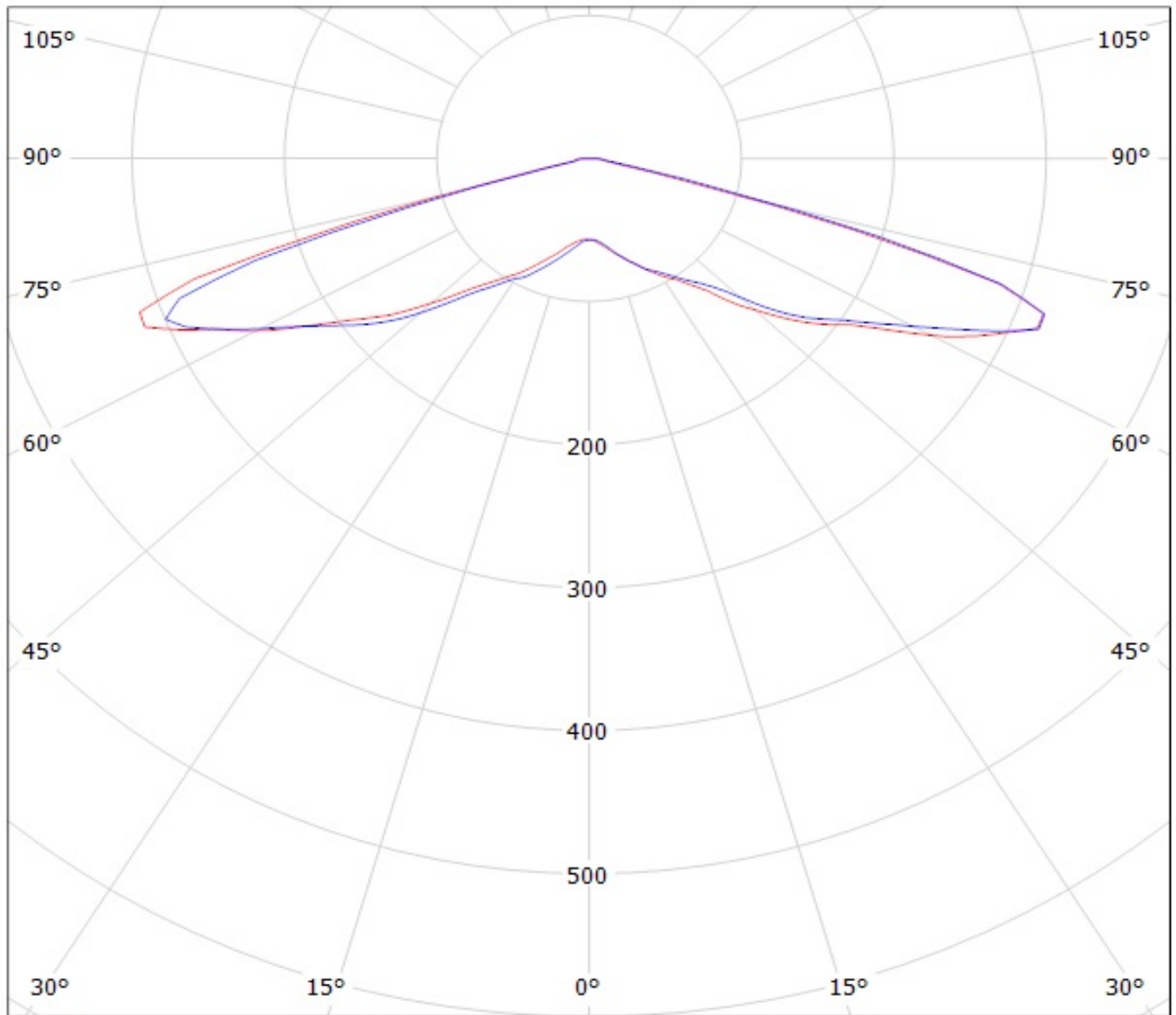
cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(XM-L) Eff.93%  
Lamps: 1 x CREE\_XM-L\_78.0576lm@250mA\_P=0.71104W\_I=249.9mA



Luminaire: LEDil Oy CA12891\_STRADA-SQ-VSM\_(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

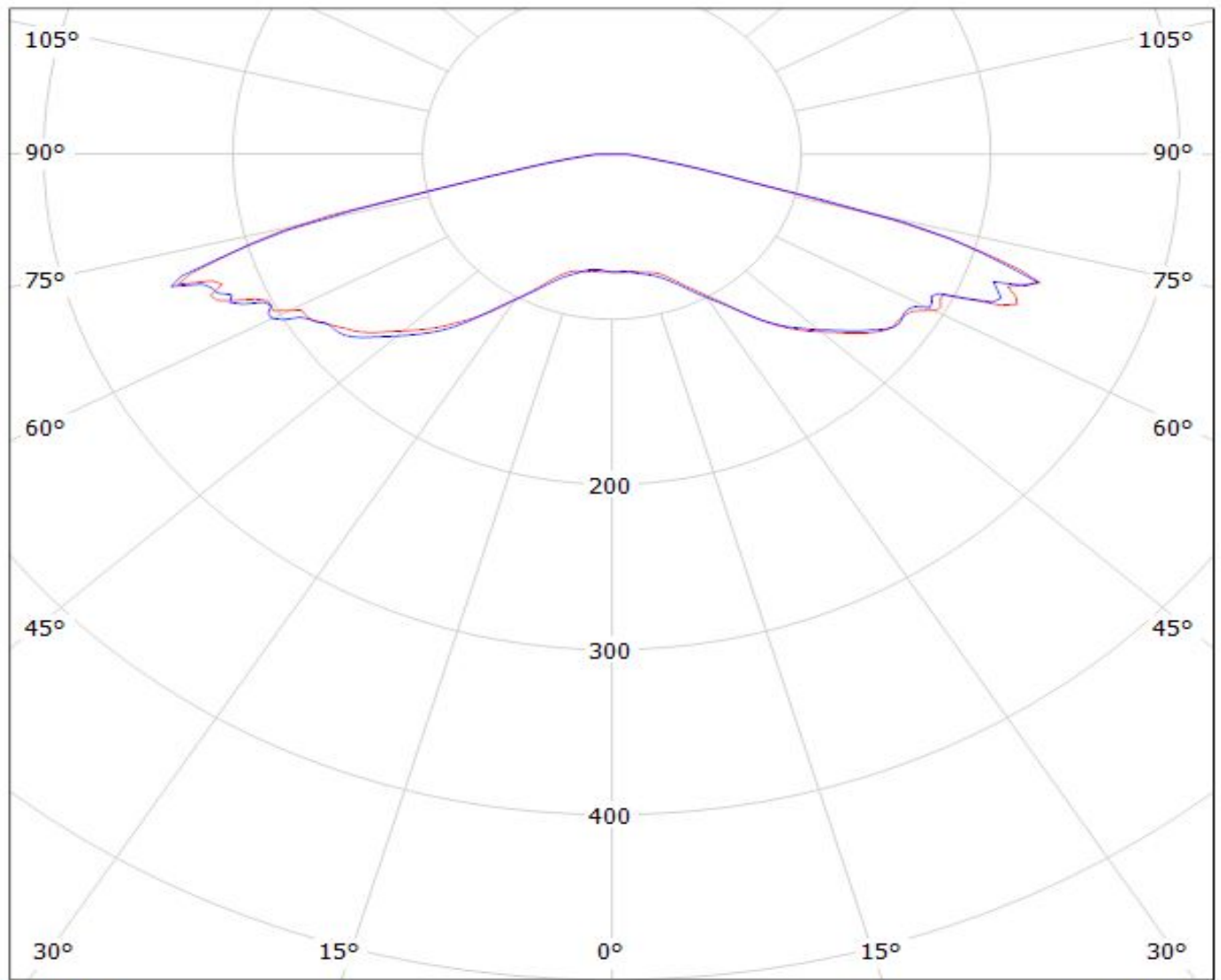
— C0 - C180

— C90 - C270

# LEDiL Oy CA12891\_STRADA-SQ-VSM\_(MKR) Eff.90.8% / LDC (Polar)

Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(MKR) Eff.90.8%

Lamps: 1 x Cree MKR (368.505lm@250mA)

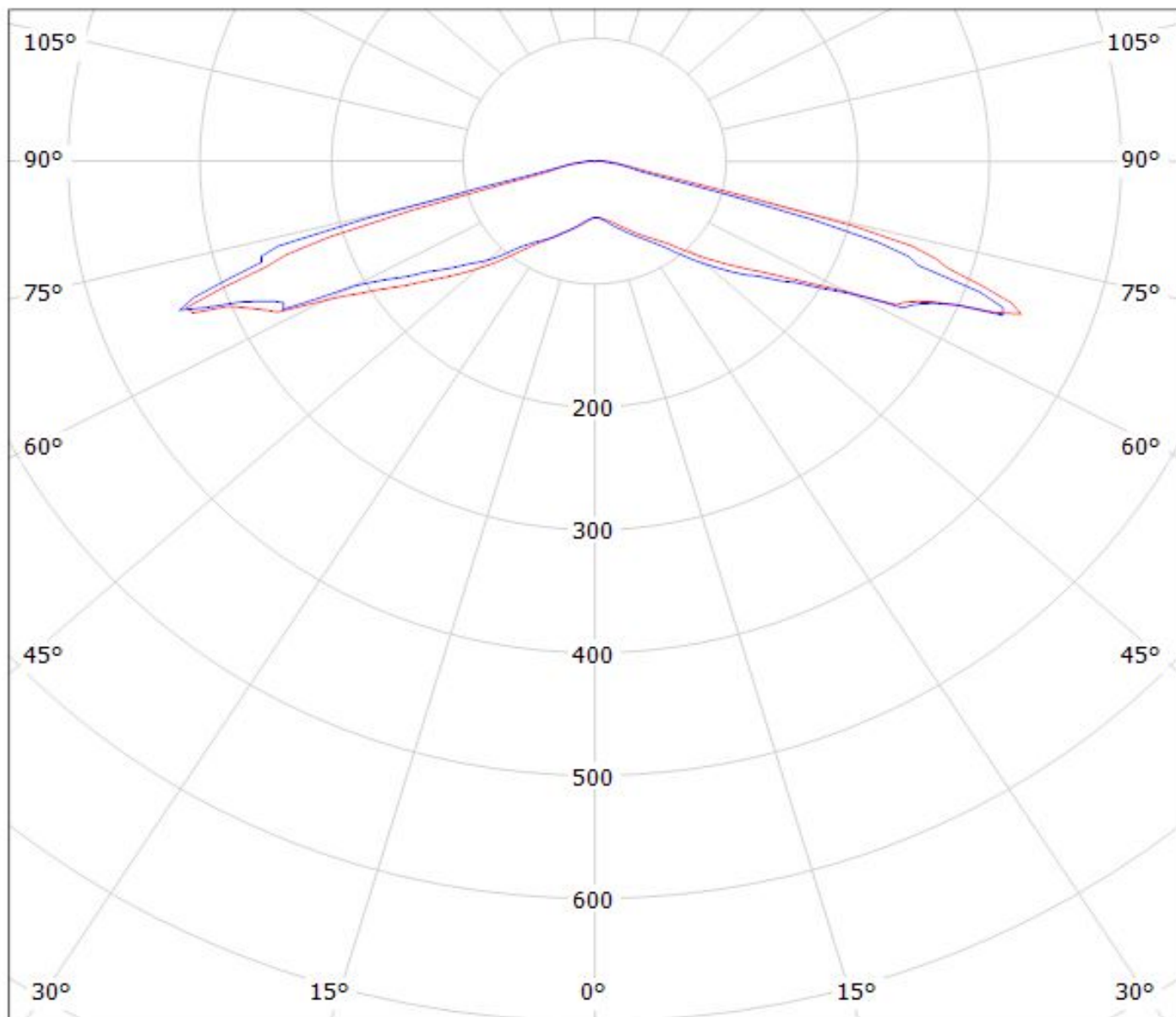


cd/klm

$\eta = 91\%$

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(XP-L)  
Lamps: 1 x Cree\_XP-L\_125.584lm@250mA\_P=0.738255W\_I=249.9mA



cd/klm

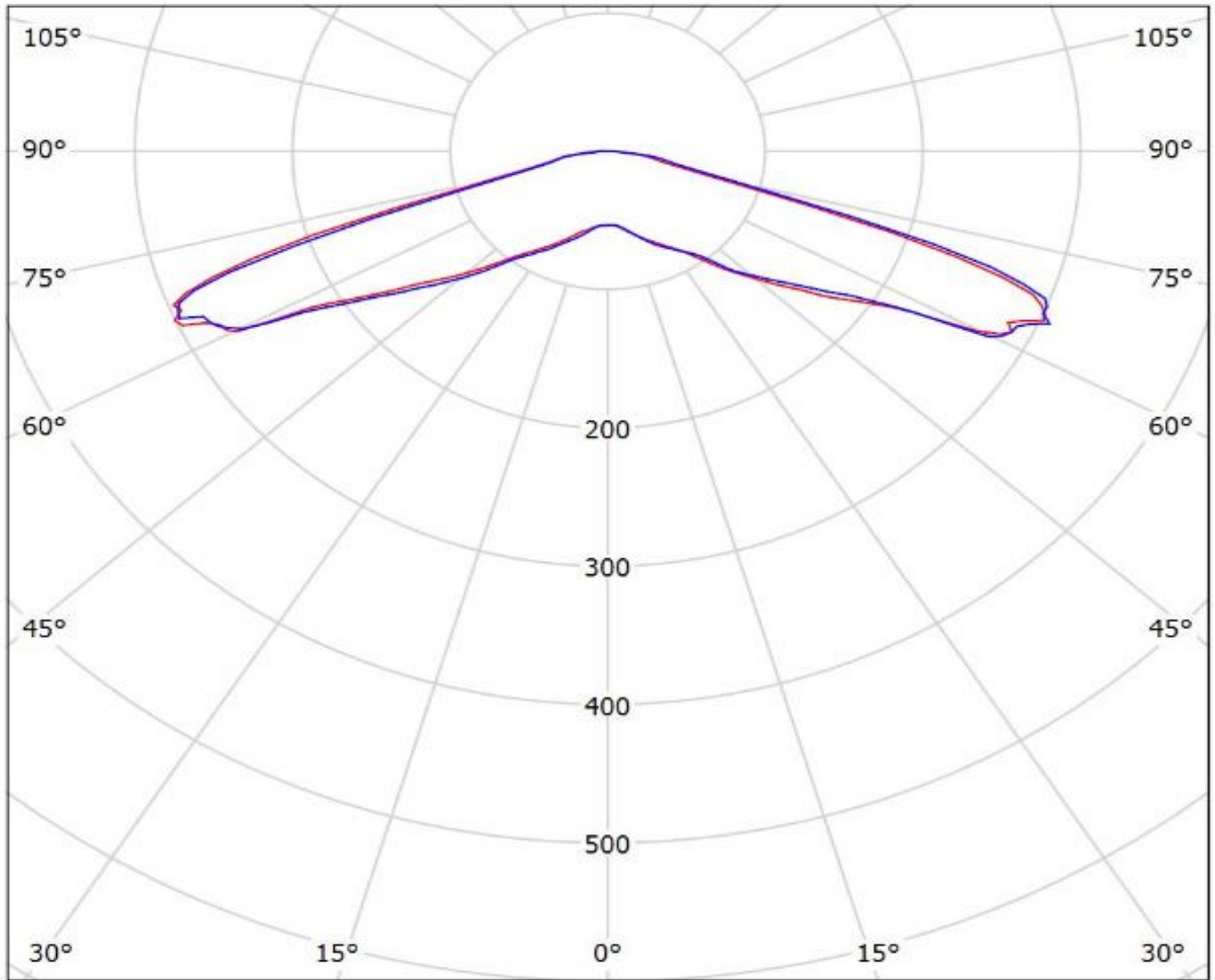
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: Ledil CA12891\_STRADA-SQ-VSM\_(XP-L2)

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

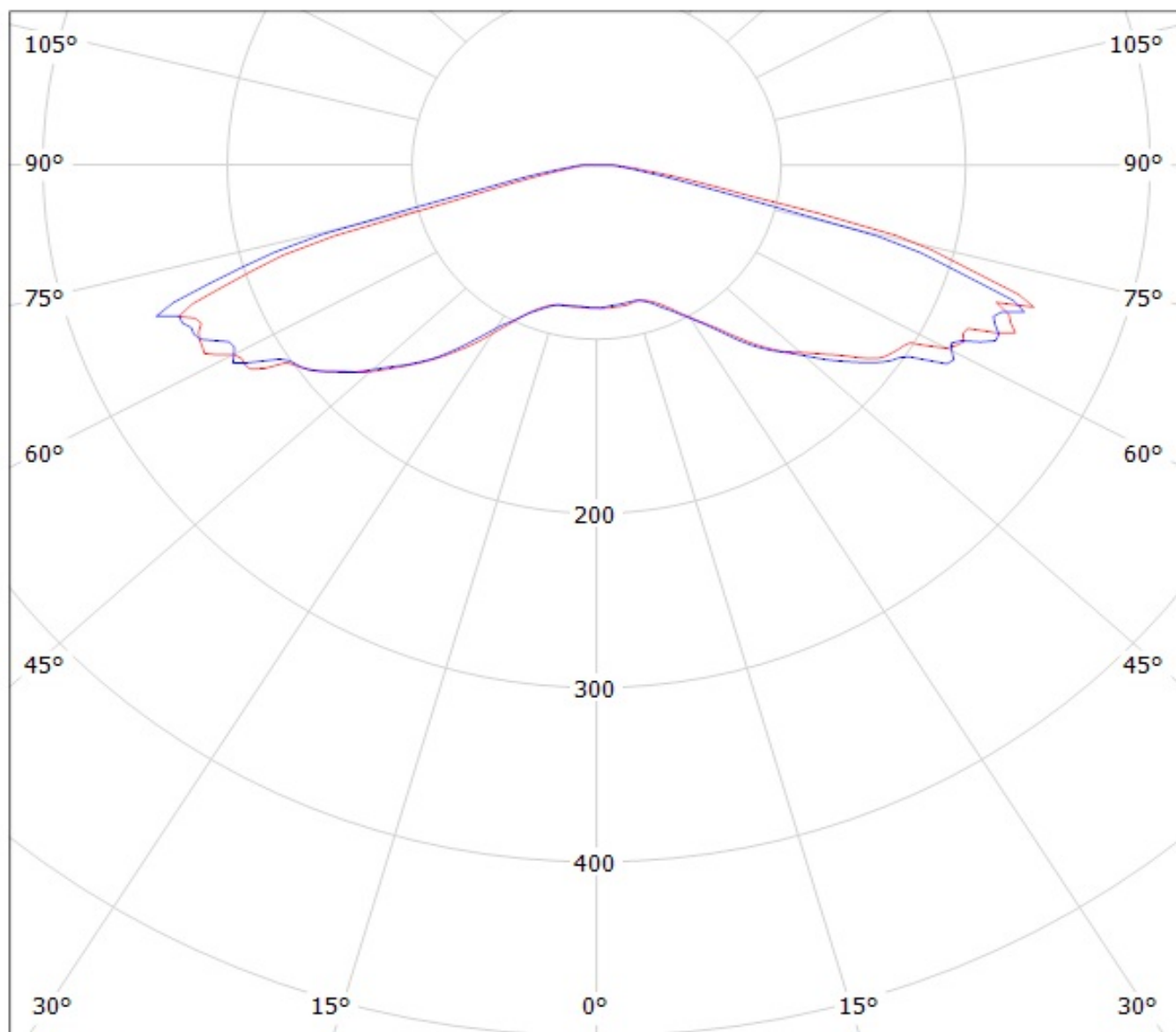


cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDIL OY C12727\_STRADA-SQ-VSM (Luxeon M) Efficiency=95%  
Lamps: 1 x Luxeon M (360lm@250mA)



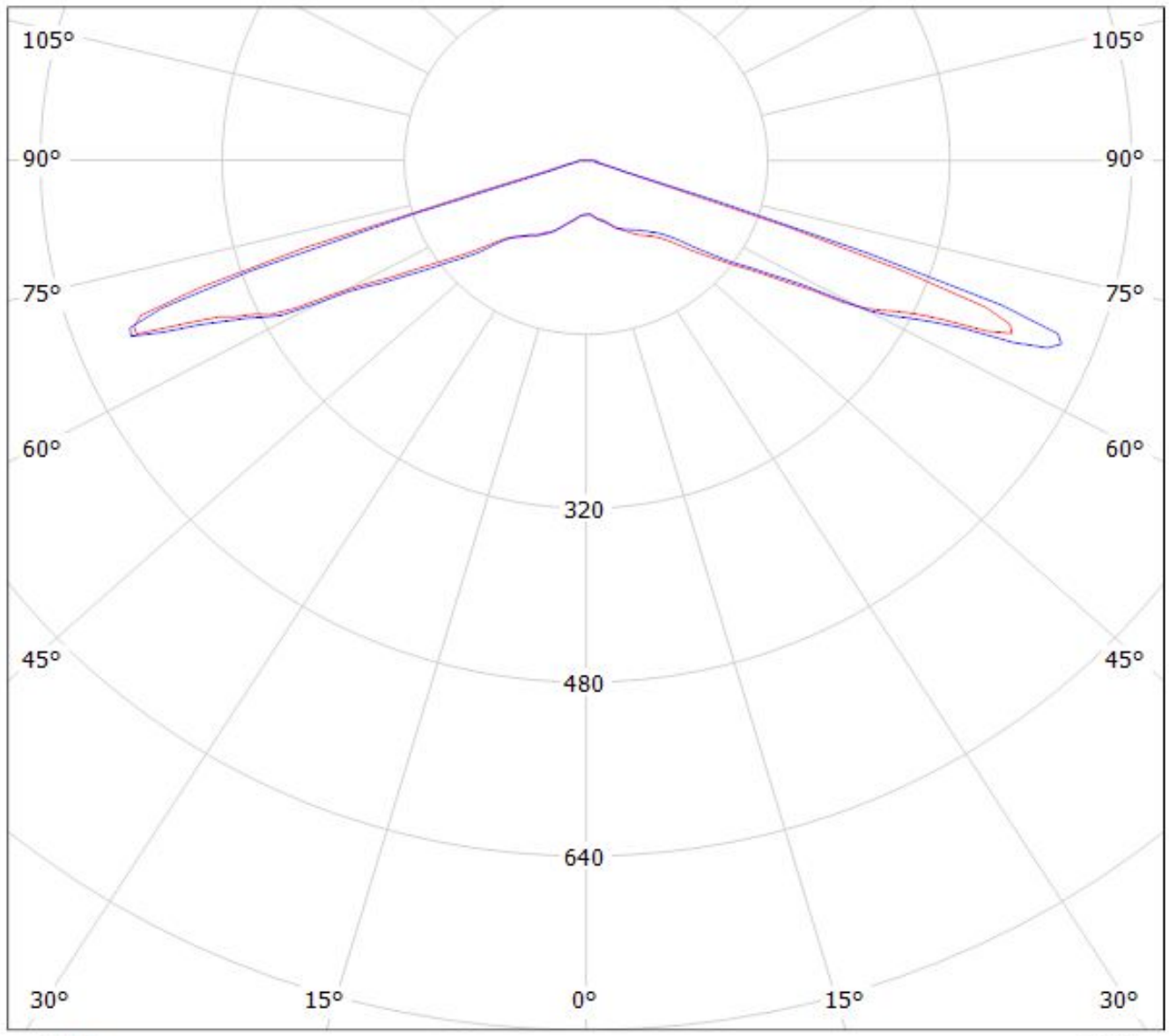
cd/klm

— C0 - C180

— C90 - C270



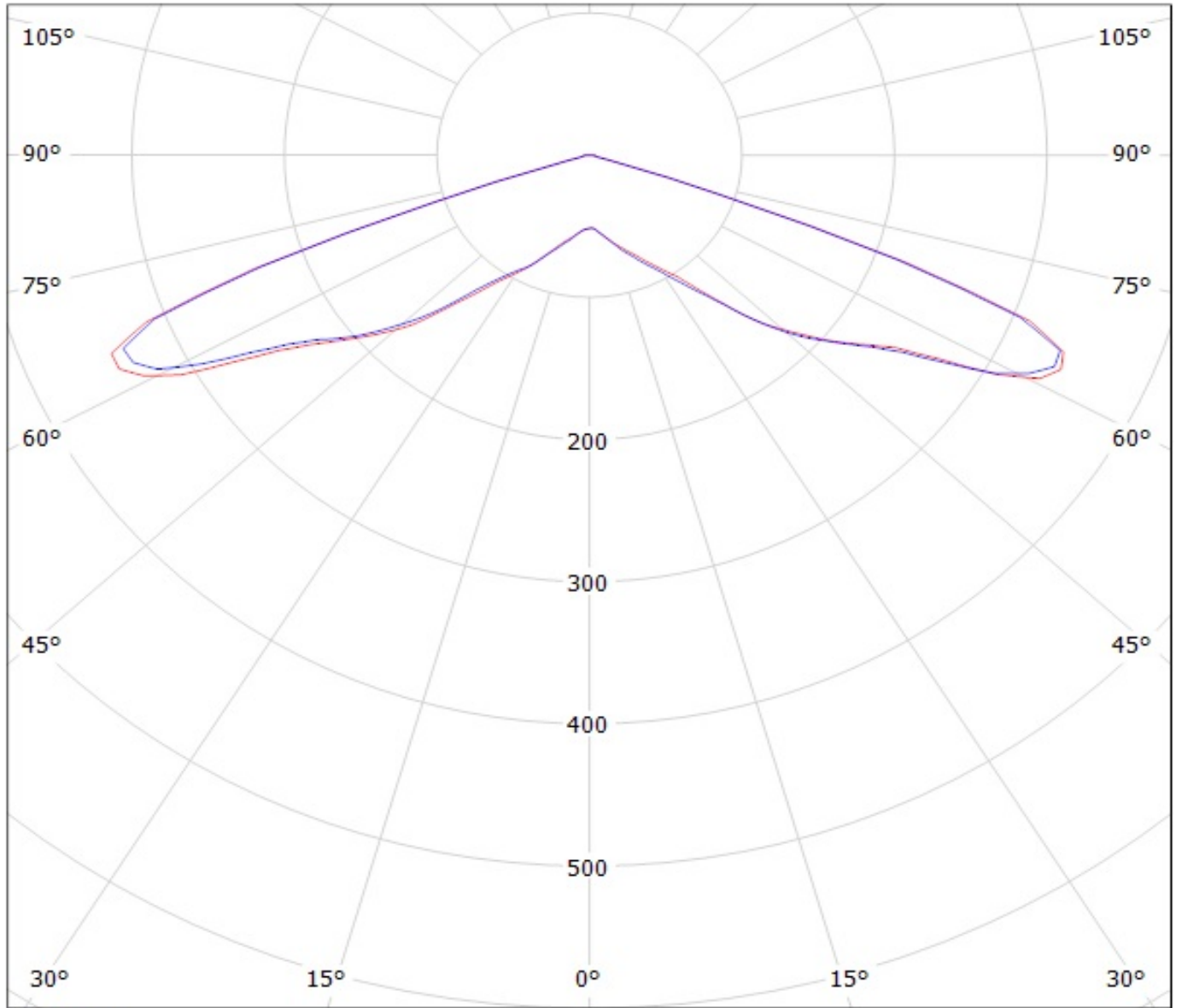
Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(LUXEON\_T) Eff.92.4%  
Lamps: 1 x LUXEON T (74lm@250mA)



cd/klm  
— C0 - C180    — C90 - C270

$\eta = 92\%$

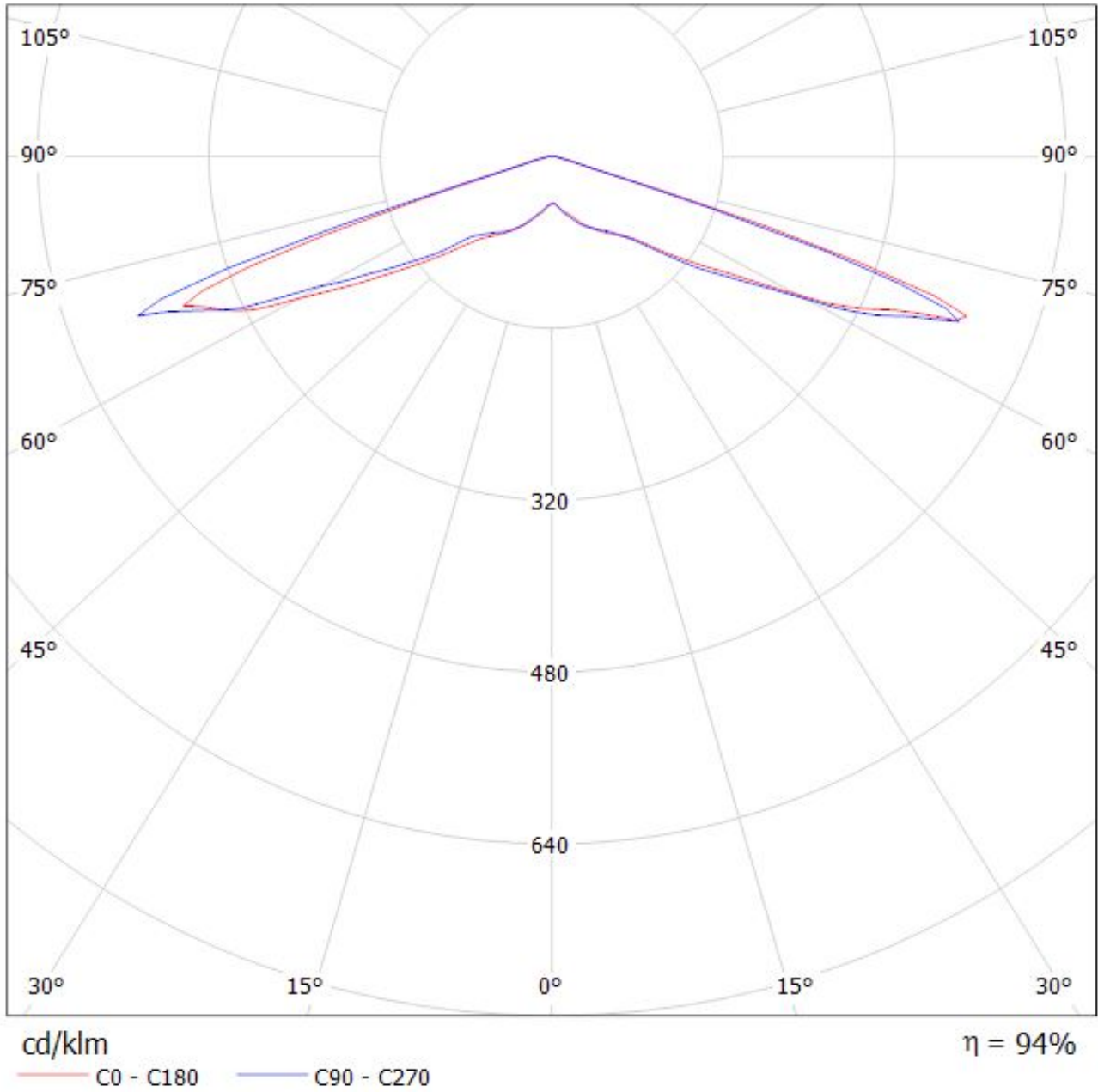
Luminaire: LEDil Oy CA12891\_STRADA-SQ-VSM\_(Luxeon\_MZ) Efficiency=94%  
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



cd/klm

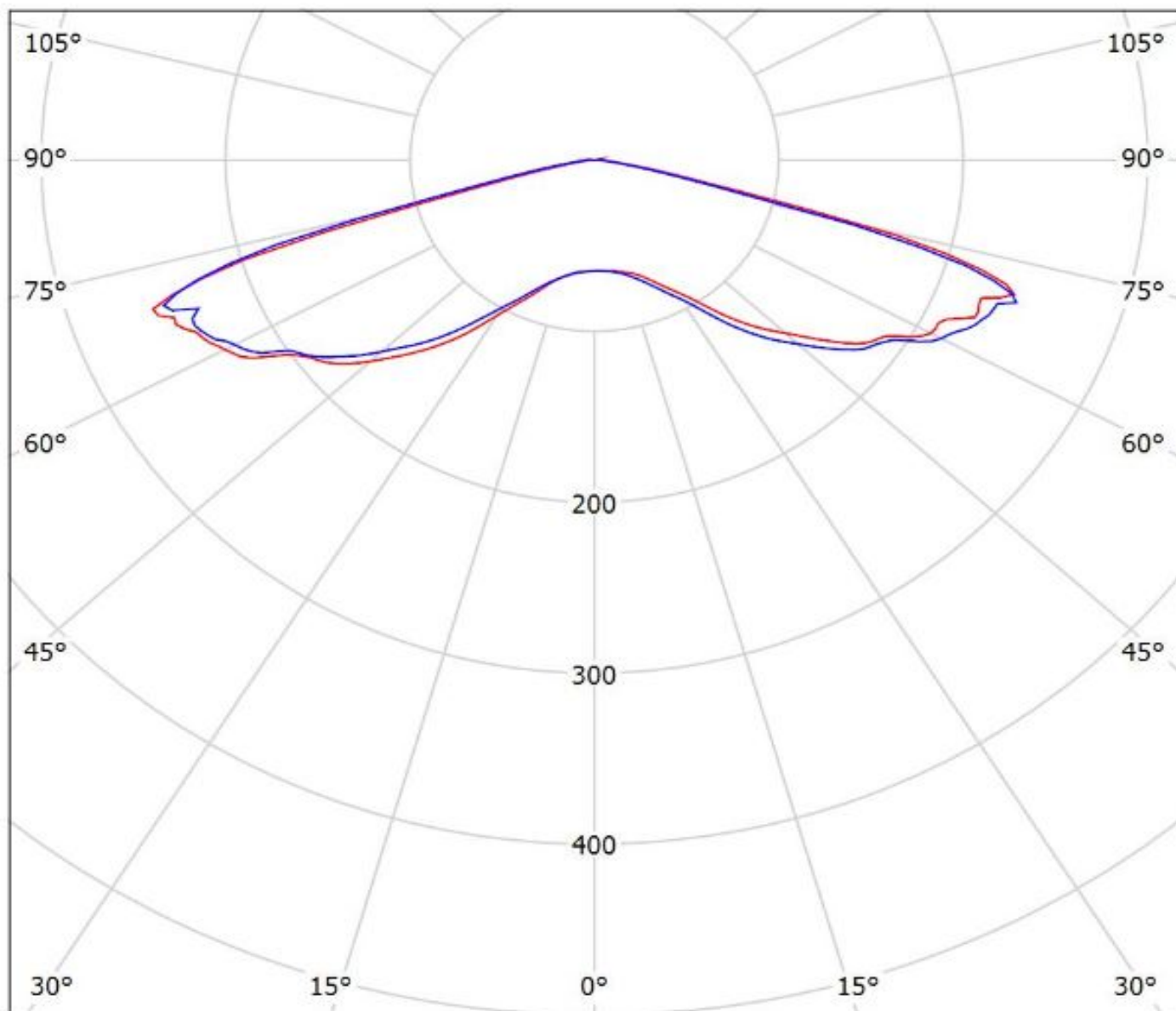
— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(Luxeon\_TX) Eff.94.1%  
Lamps: 1 x Luxeon\_TX\_(L1T2-3585)\_80.2531lm@250mA\_CCT=3500K\_P=0.730933W\_I=249.9mA



Luminaire: Ledil CA12891\_STRADA-SQ-VSM\_(LUXEON\_XR-M\_Linear\_1x4)

Lamps: 1 x Lumiled\_LUXEON\_XR-M\_Linear\_1x4\_1798.32lm@250mA\_P=11.005W\_I=0.25A

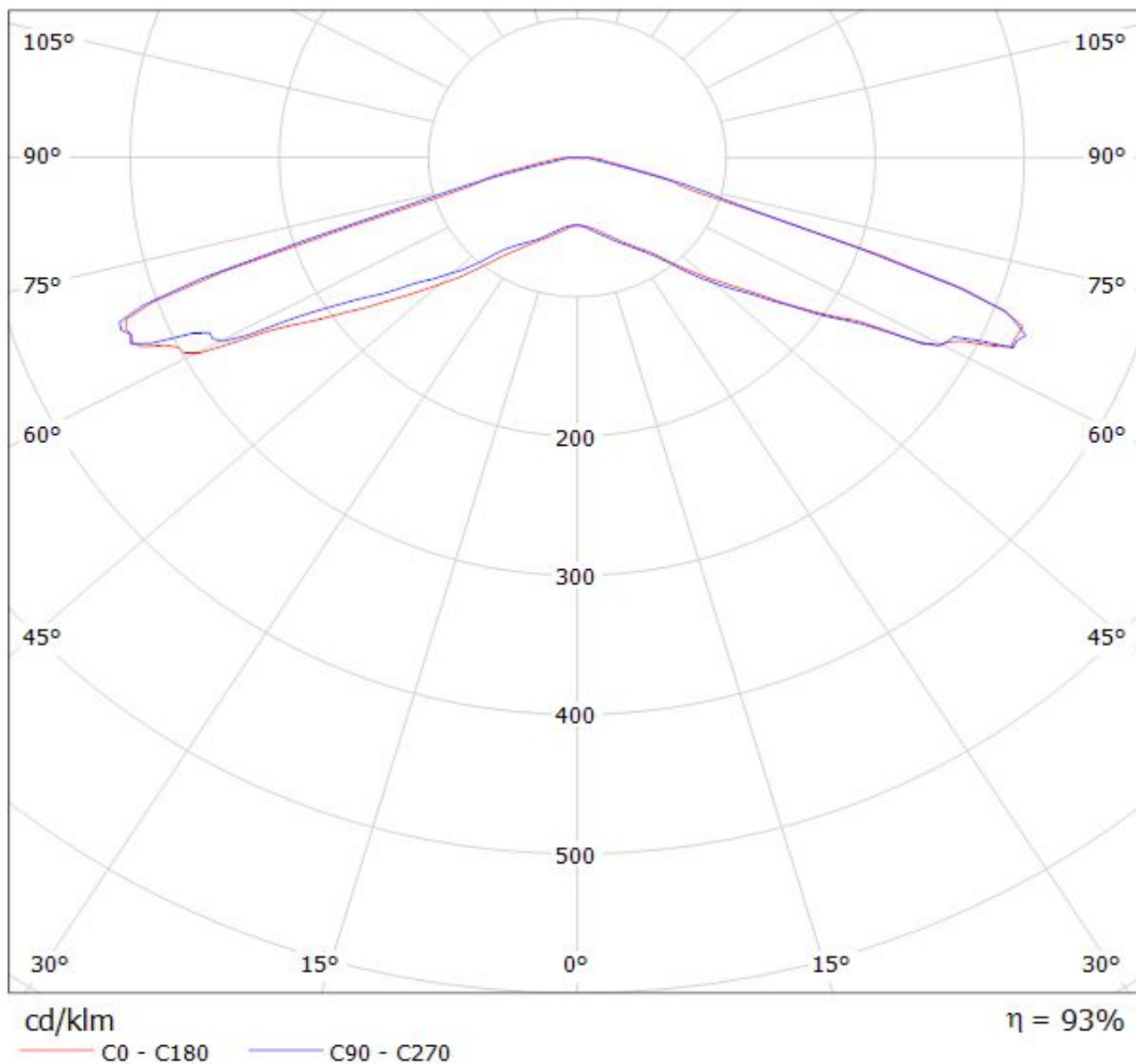


cd/klm

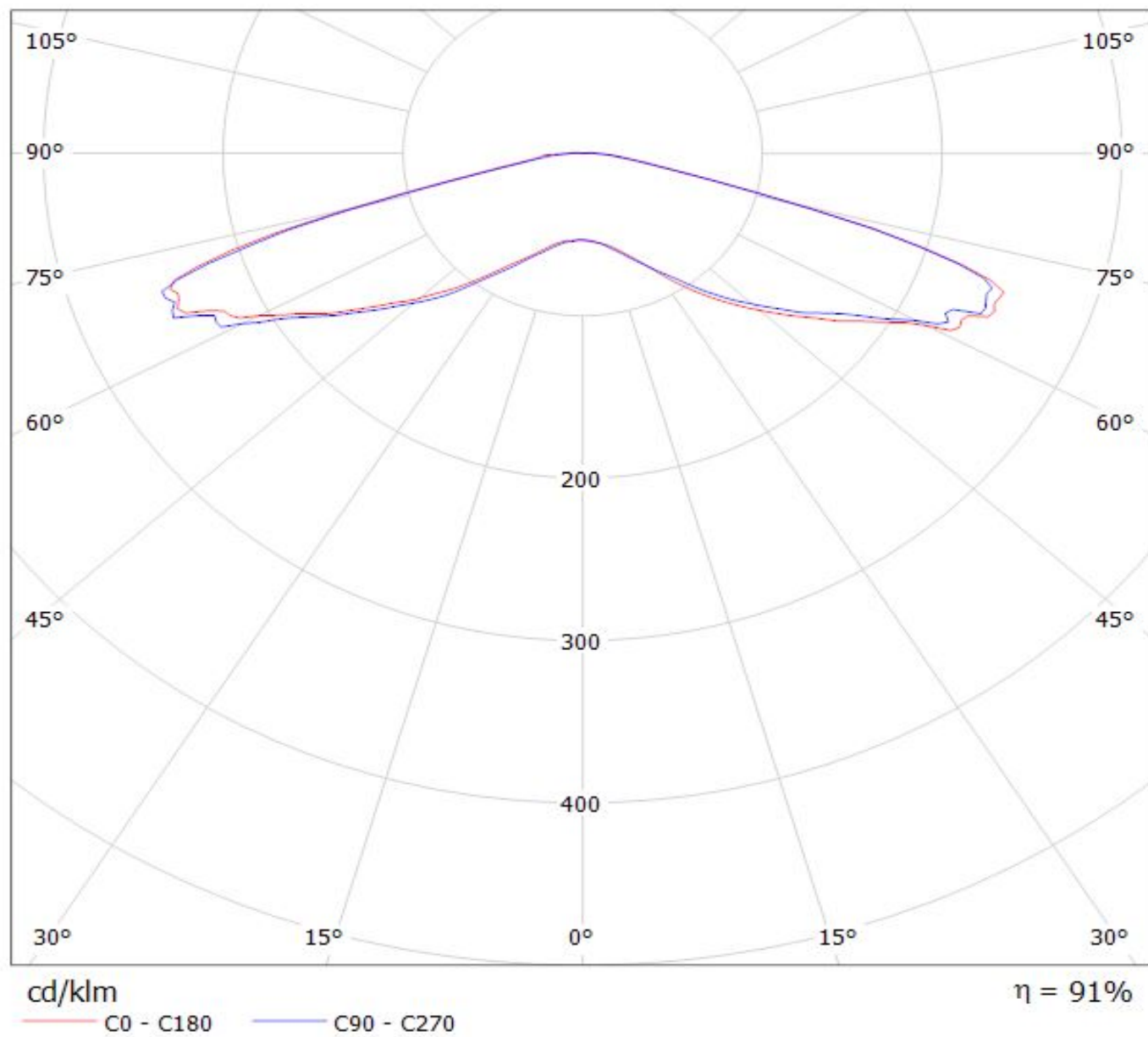
— C0 - C180 — C90 - C270

$\eta = 92\%$

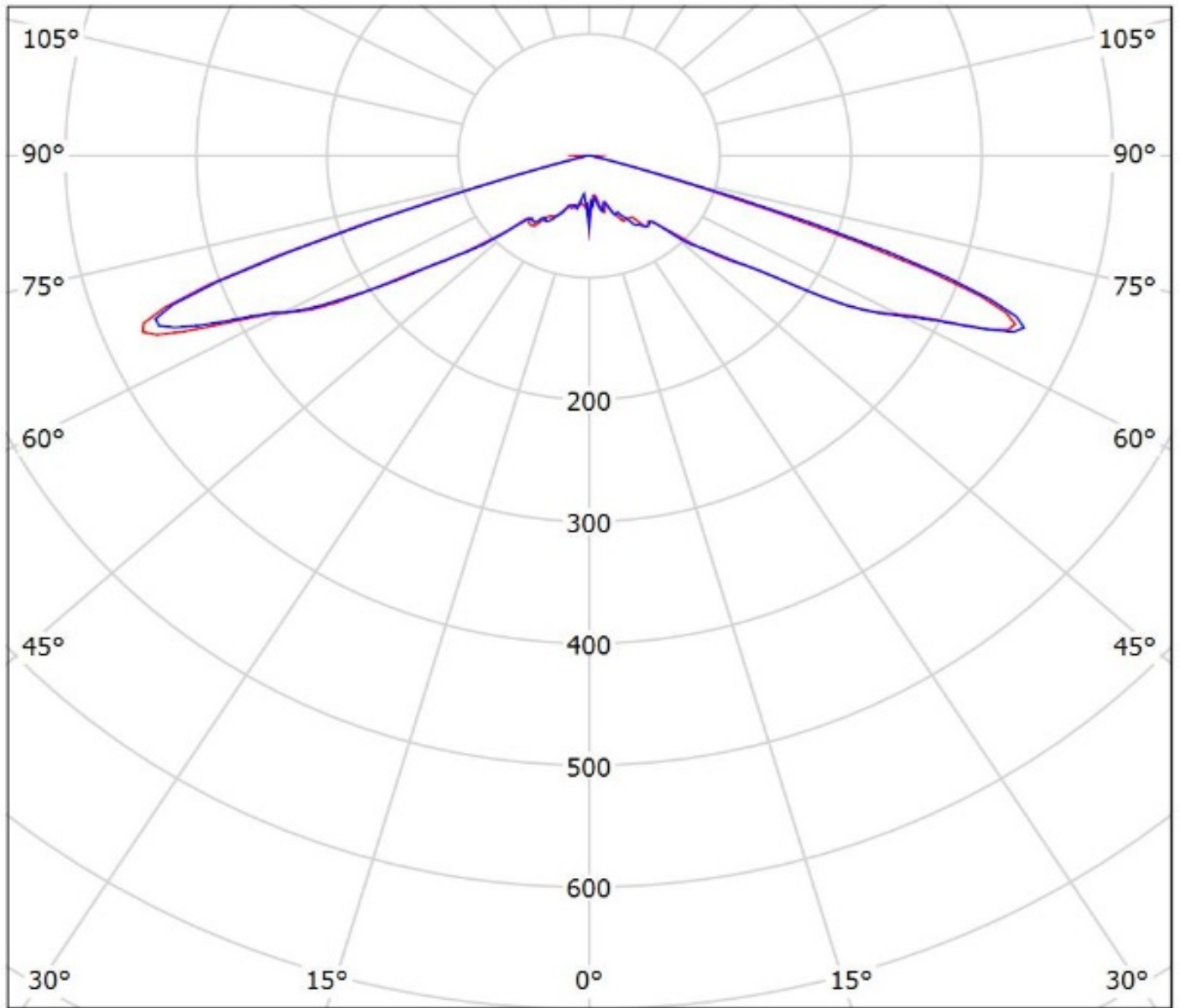
Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(NS9x383) Eff. 92,6%  
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



Luminaire: LEDiL Oy CA12891\_STRADA-SQ-VSM\_(NV4x144A)  
Lamps: 1 x Nichia\_NV4x144A\_477.906lm@250mA\_P=2.8045W\_I=0.250A



Luminaire: Ledil Oy CA12891\_STRADA-SQ-VSM\_(NVSxx19C)\_SIMULATED  
Lamps: 1 x NICHIA\_NVsx219C



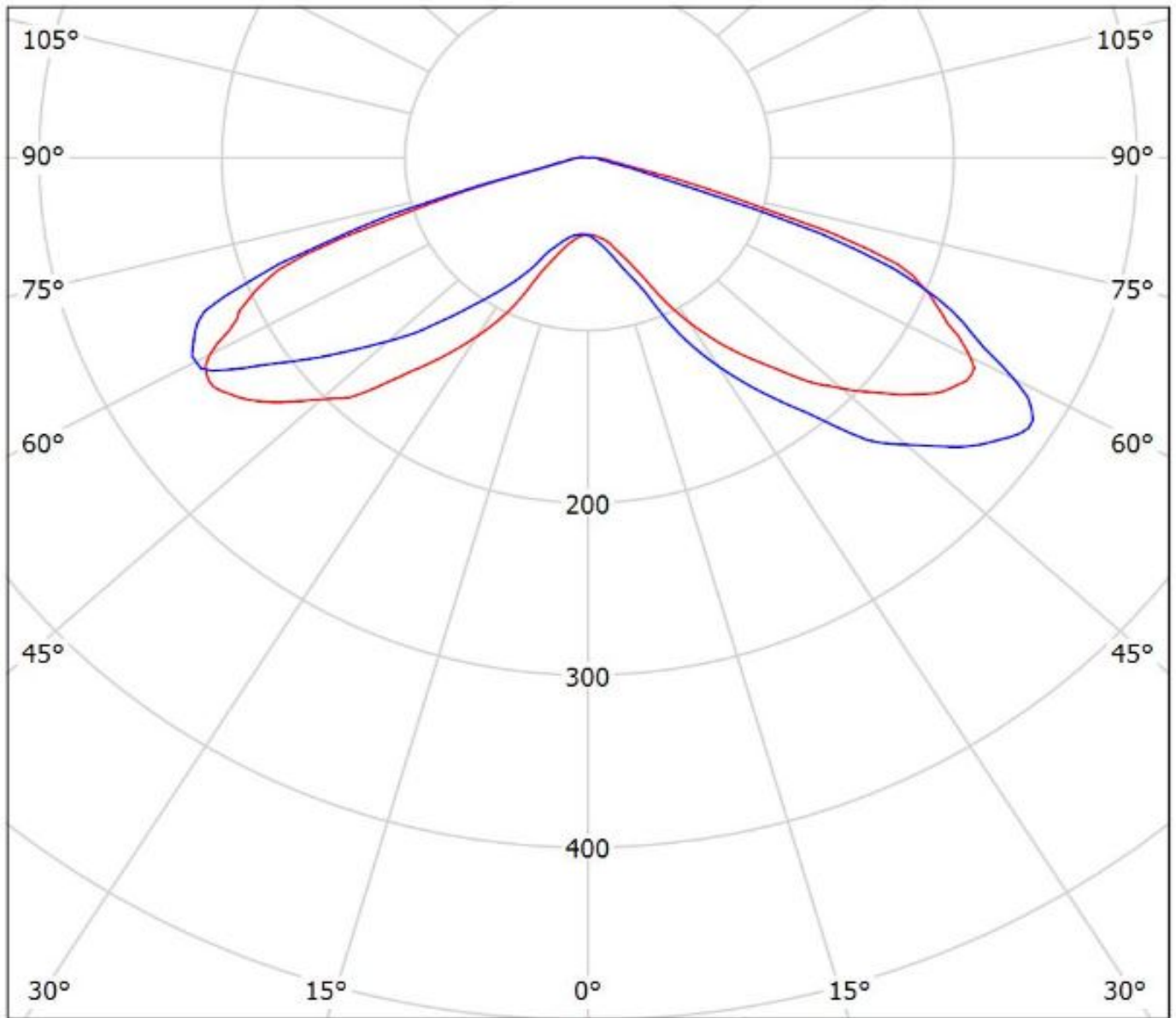
cd/klm

— C0 - C180 — C90 - C270

$\eta = 89\%$

Luminaire: Ledil CA12891\_STRADA-SQ-VSM (Duris\_S10)

Lamps: 1 x Osram\_Duris\_S10\_(GW-P7LP32.EM)\_992.375lm@250mA\_P=9.2362W\_I=0.25A



cd/klm

— C0 - C180    — C90 - C270

$\eta = 93\%$



**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.**