

## DETAILS

<b>Product Number</b>	C12419_STRADA-2X2-A-T
<b>Family</b>	Strada-Module
<b>Type</b>	Lens array
<b>Color</b>	clear
<b>Diameter</b>	50x50 mm
<b>Height</b>	7.3 mm
<b>Style</b>	rectang
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	screw, pin, glue
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	7/04/2015

## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
TL1L3	Asymmetric deg	Streetligh...	94 %	0.680	-
Z5	Asymmetric deg	Streetligh...	93 %	sim: 0.000	-
LUXEON Rebel ES	Asymmetric deg	Streetligh...	93 %	0.450	-
Oslon Square PC	Asymmetric deg	Streetligh...	94 %	0.800	-
TL1L4	Asymmetric deg	Streetligh...	94 %	0.850	-
XP-G	Asymmetric deg	Streetligh...	93 %	0.450	-
XT-E	Asymmetric deg	Streetligh...	93 %	0.470	-
Z5M1/Z5M2	Asym deg	Streetligh...	94 %	0.800	-
LUXEON Q	Asym deg	Streetligh...	94 %	0.800	-
Fortimo FastFlex LED board 2x8/740 DA	Asym deg	Streetligh...	94 %	0.890	-
XP-L	Asymmetric deg	Streetligh...	94 %	0.670	-
LH351Z	Asym deg	Streetligh...	94 %	0.790	-
XP-G2	Asym deg	Streetligh...	94 %	0.900	-
NS9x383	Asymmetric deg	Streetligh...	95 %	0.680	-
LUXEON MZ	Asym deg	Streetligh...	94 %	0.760	-
XM-L2	Asym deg	Streetligh...	94 %	0.700	-
H35C0 (LEMWA33)	Asymmetric deg	Streetligh...	96 %	0.850	-
LH351B	Asymmetric deg	Streetligh...	94 %	0.730	-
XM-L	Asymmetric deg	Streetligh...	93 %	0.420	-
Acrich MJT 4040	Asymmetric deg	Streetligh...	94 %	0.730	-



D

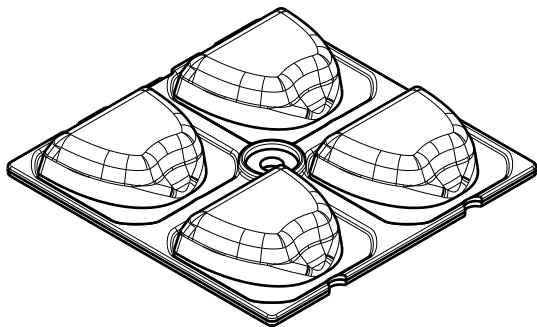
C

B

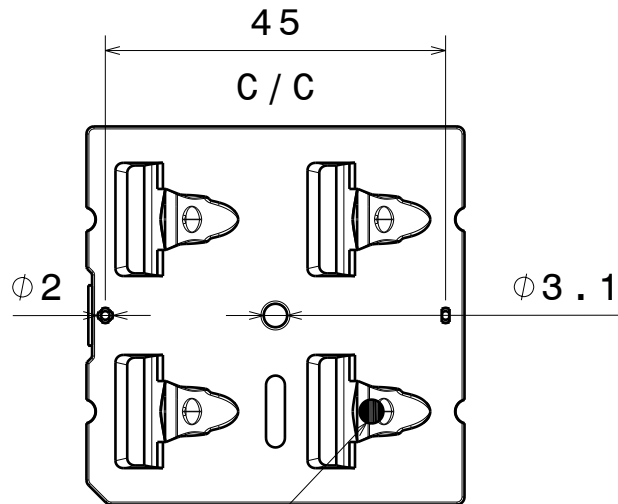
A

4

4



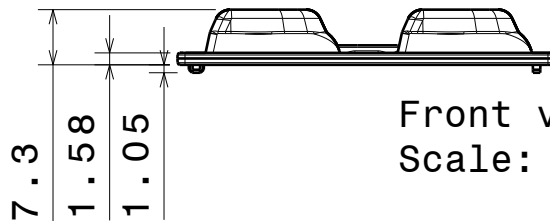
Isometric view  
Scale: 1:1



LED position Bottom view  
Scale: 1:1

3

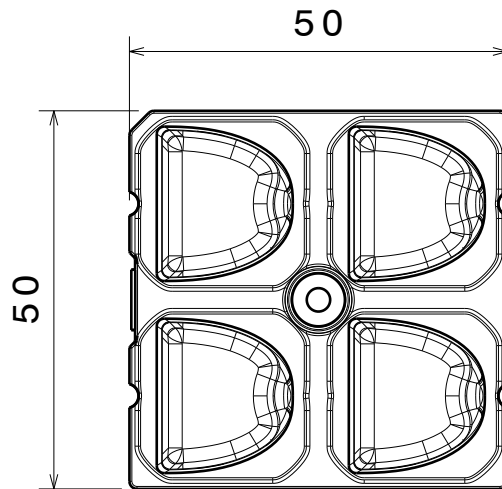
3



Front view  
Scale: 1:1

2

2

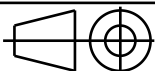


Top view  
Scale: 1:1

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

C12419\_STRADA-2X2-A-T

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of LEDiL Oy. It may not be  
reproduced, copied or  
communicated without a written  
agreement with LEDiL Oy."

SIZE PART NUMBER

A4

C12419

SCALE 1:1 WEIGHT

-

SHEET 1/1

D

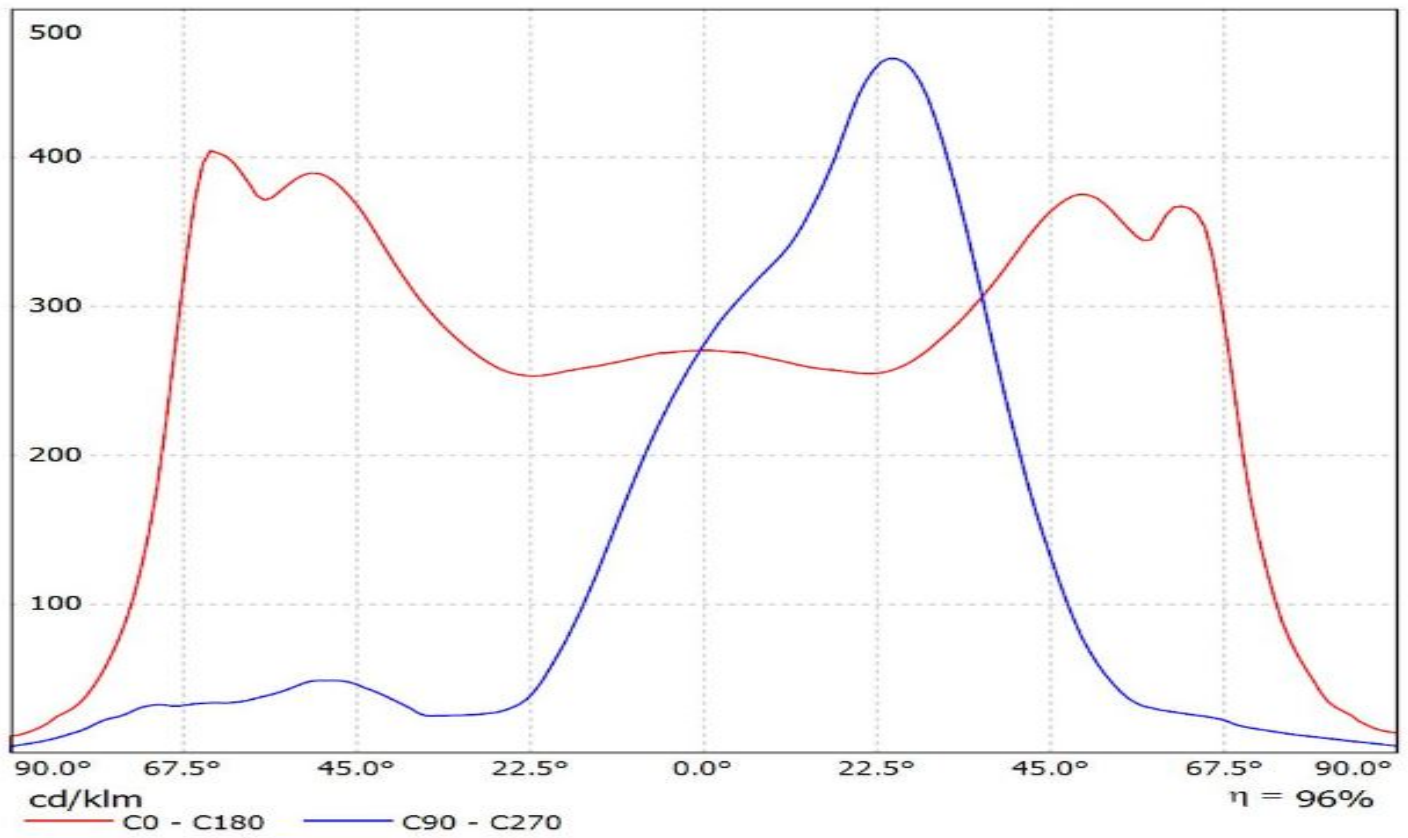
A

1

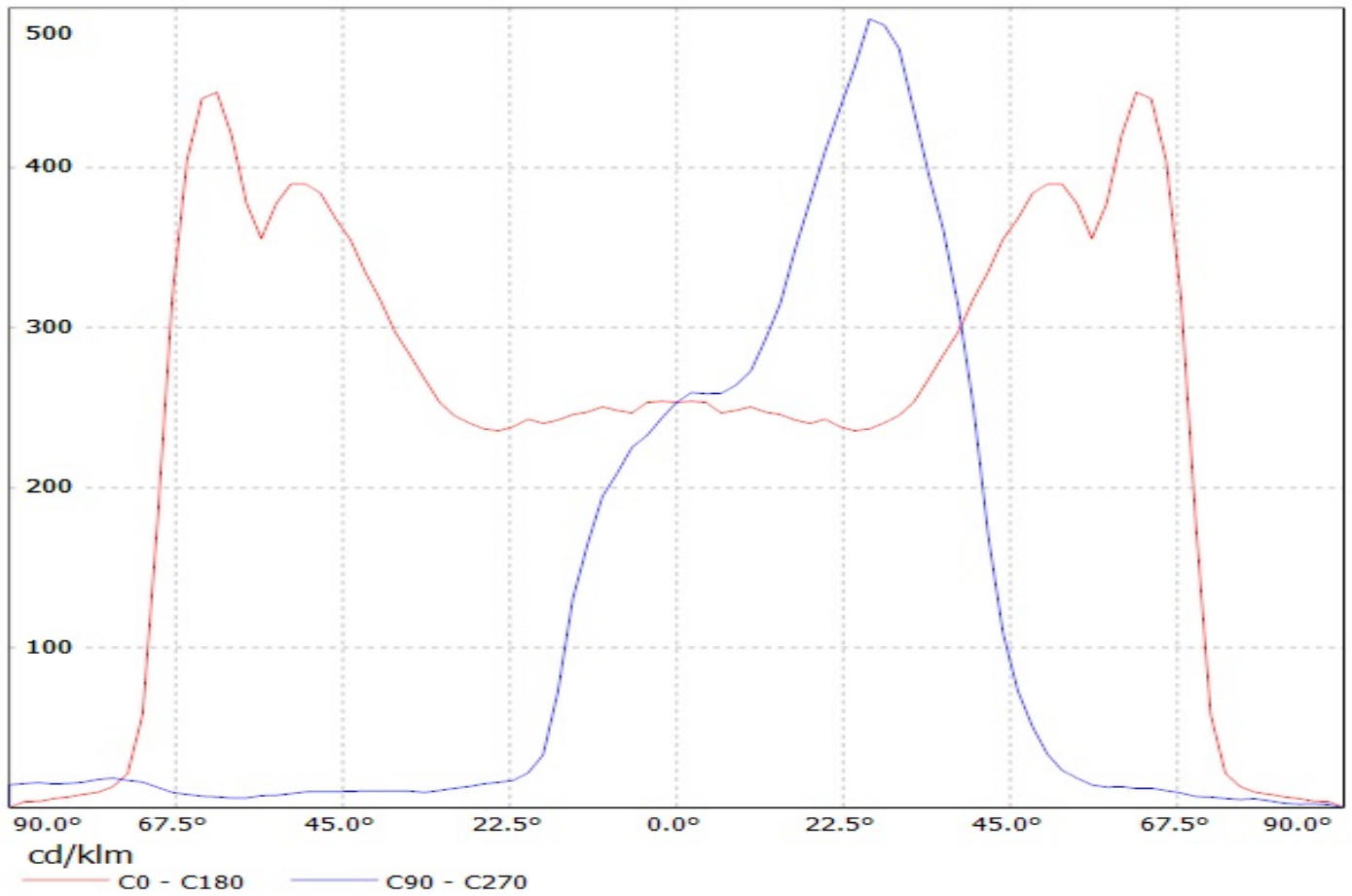
# Ledil C12419\_STRADA-2X2-A-T\_(TL1L3) / LDC (Linear)

Luminaire: Ledil C12419\_STRADA-2X2-A-T\_(TL1L3)

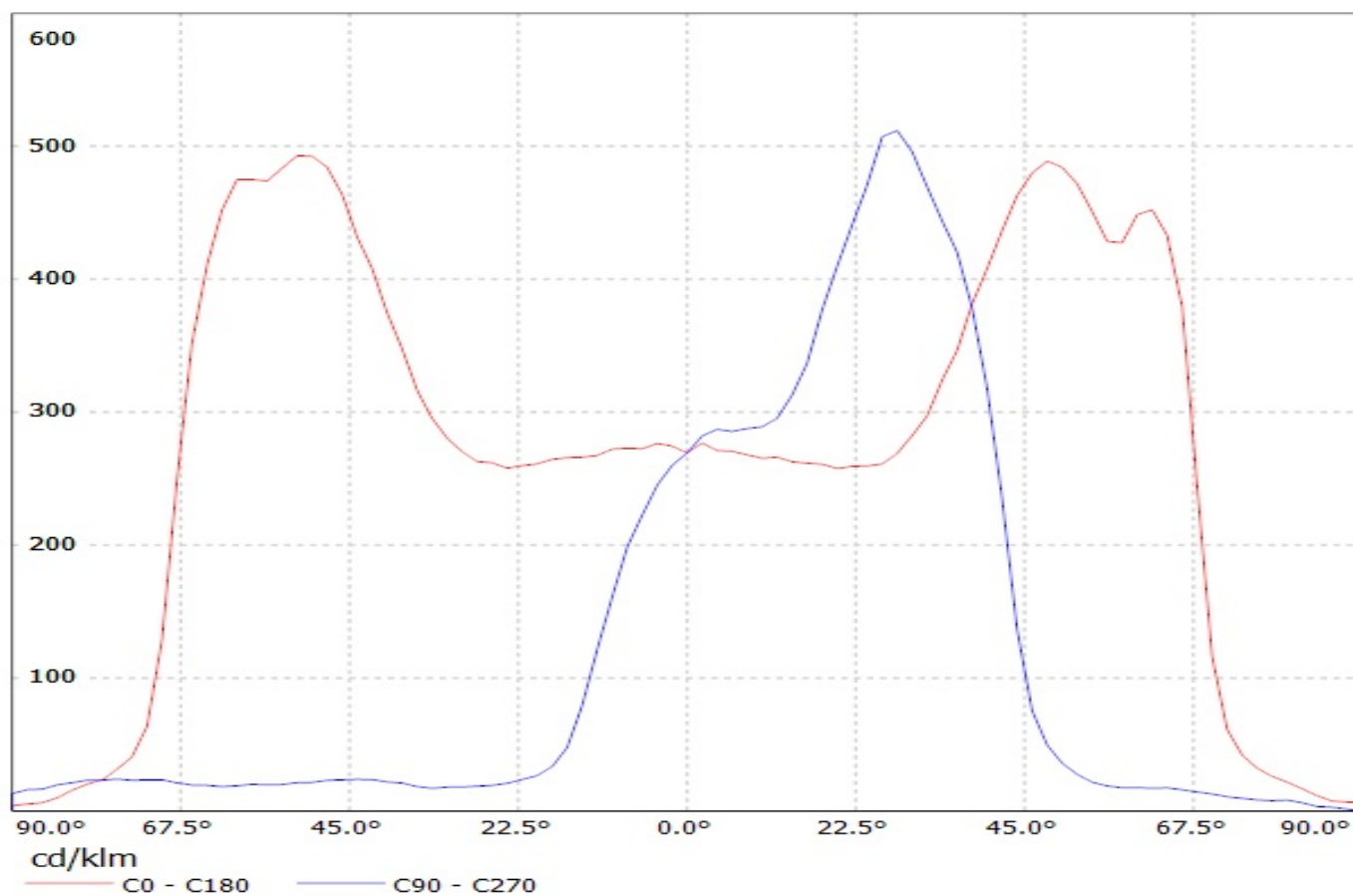
Lamps: 1 x Toshiba\_TL1L3\_2x2\_(TL1L3-NW1.L)\_387.773lm@250mA\_CCT=5000K\_P=2.829W\_I=0.25A



Luminaire: Ledil Oy C12419-Strada\_2x2\_A-T (RE-ES) Efficiency=93%  
Lamps: 1 x Luxeon-Rebel-ES 250mA 500lm



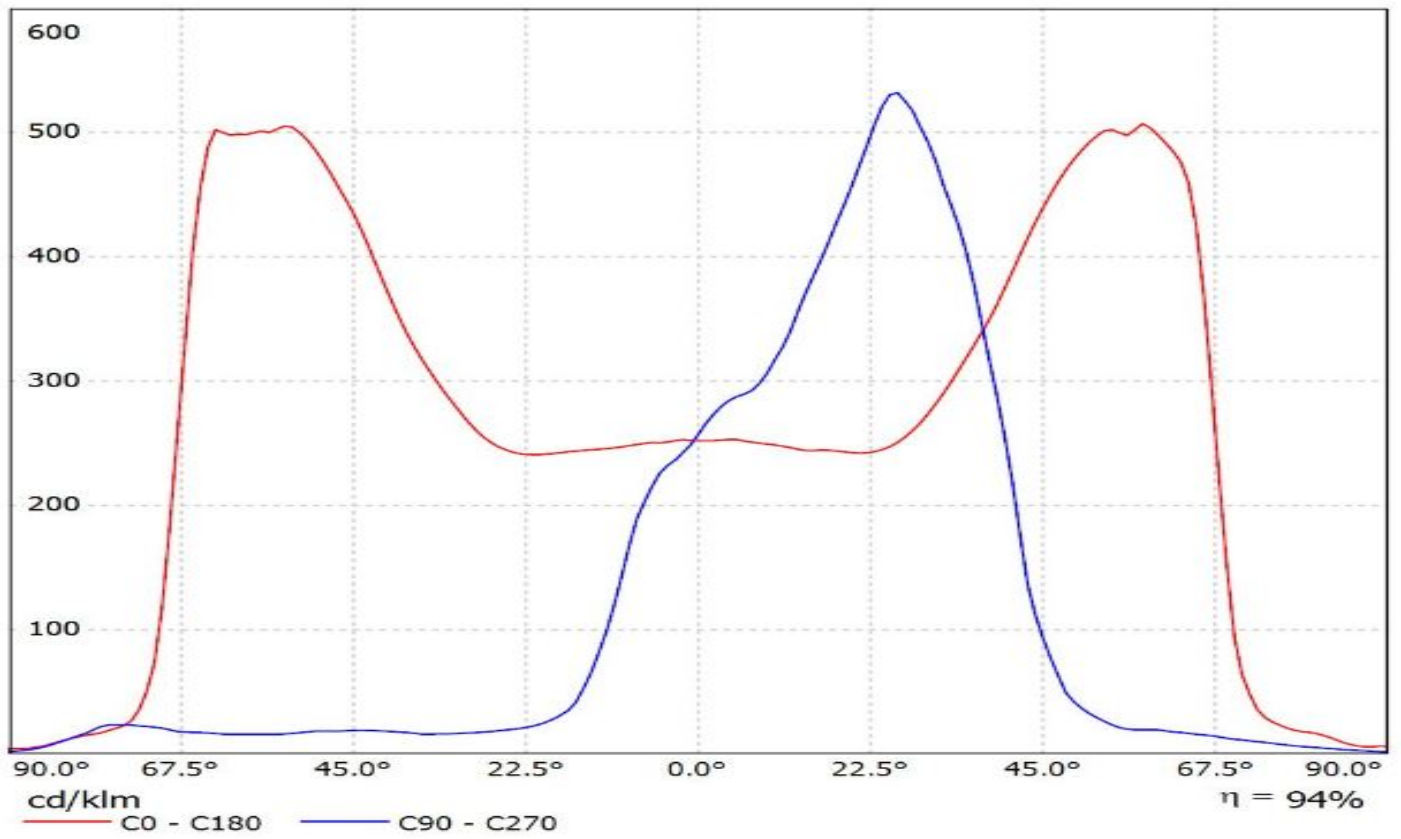
Luminaire: Ledil Oy C12419\_STRADA-2X2-A-T (Osram Square PC 398lm @ 250mA) Efficiency=93%  
Lamps: 1 x Osram Square PC 398lm @ 250mA



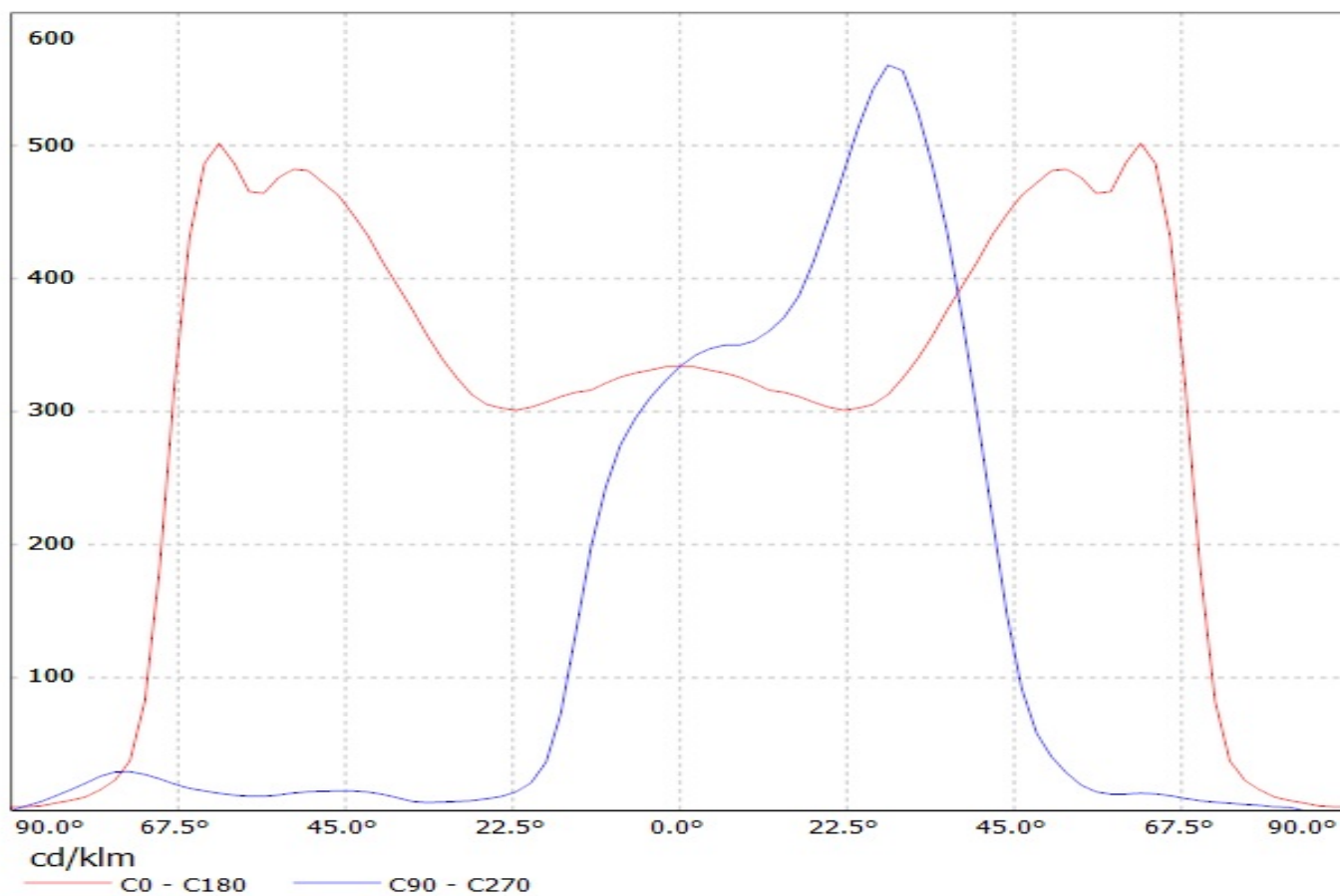
# Ledil C12419\_STRADA-2X2-A-T\_(TL1L4) / LDC (Linear)

Luminaire: Ledil C12419\_STRADA-2X2-A-T\_(TL1L4)

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

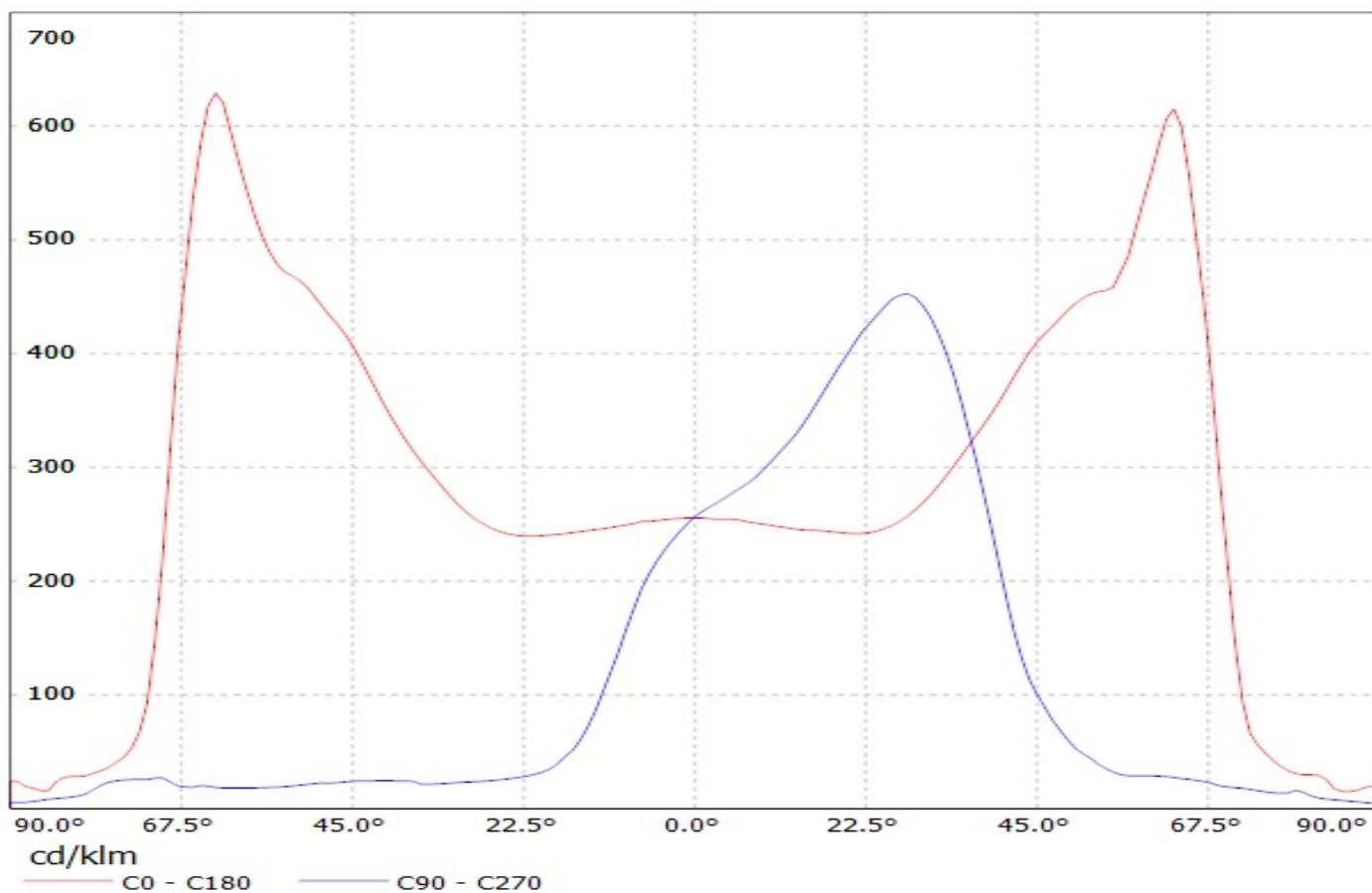


Luminaire: LEDil Oy C12419\_STRADA-2X2-A-T\_(Z5M1) Efficiency=94%  
Lamps: 1 x Seoul Z5M1 (SZ5-M1-WN-C8) 379lm @ 250mA CCT=4600K P=2.9W I=250mA





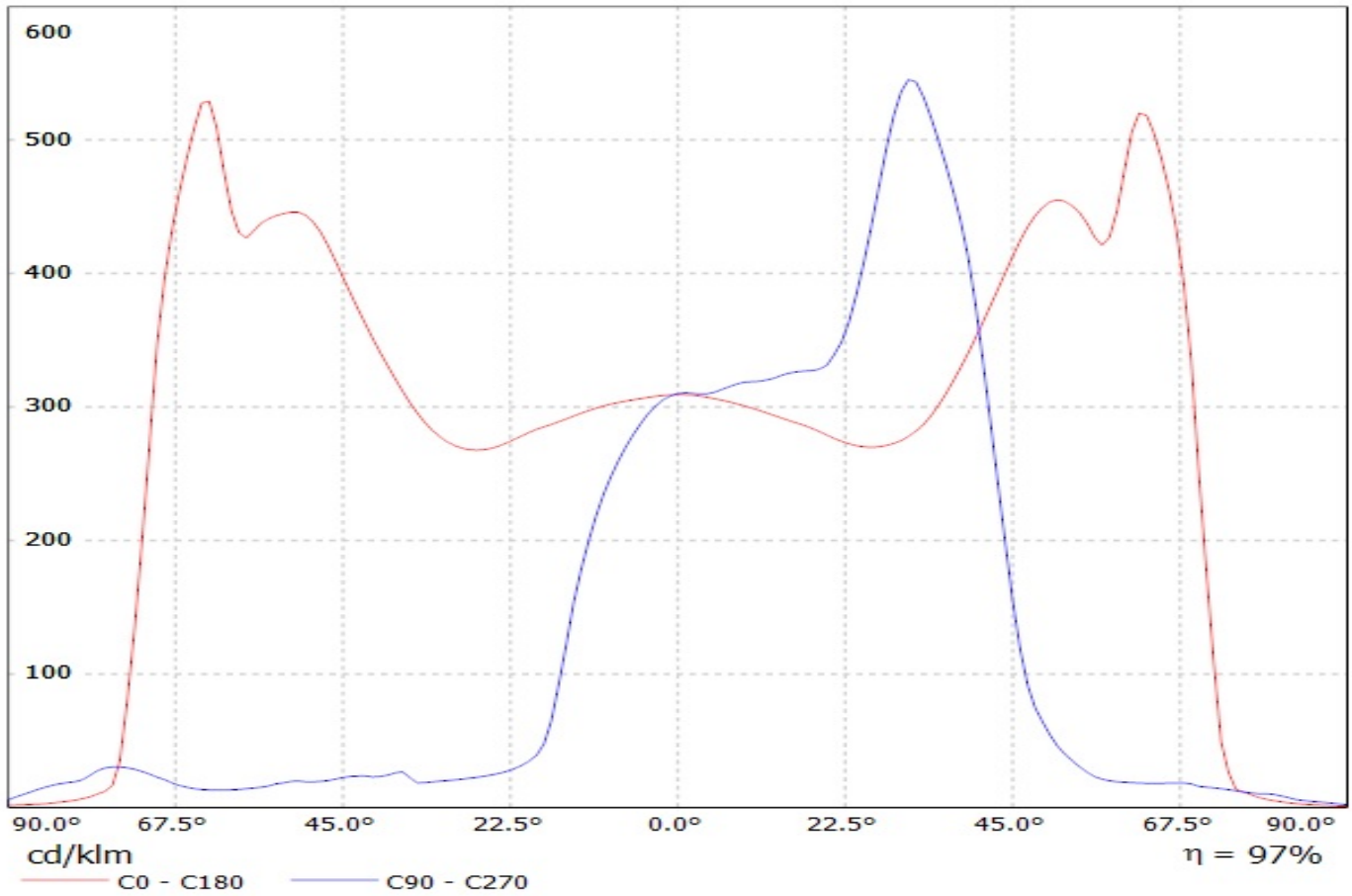
Luminaire: LEDiL Oy C12419\_STRADA-2X2-A-T\_(LUXEON\_Q) Eff.96.4%  
Lamps: 1 x LUXEON\_Q\_2x2\_(LHQ-3080)\_298.615lm@250mA\_P=2.86995W\_I=249.8mA





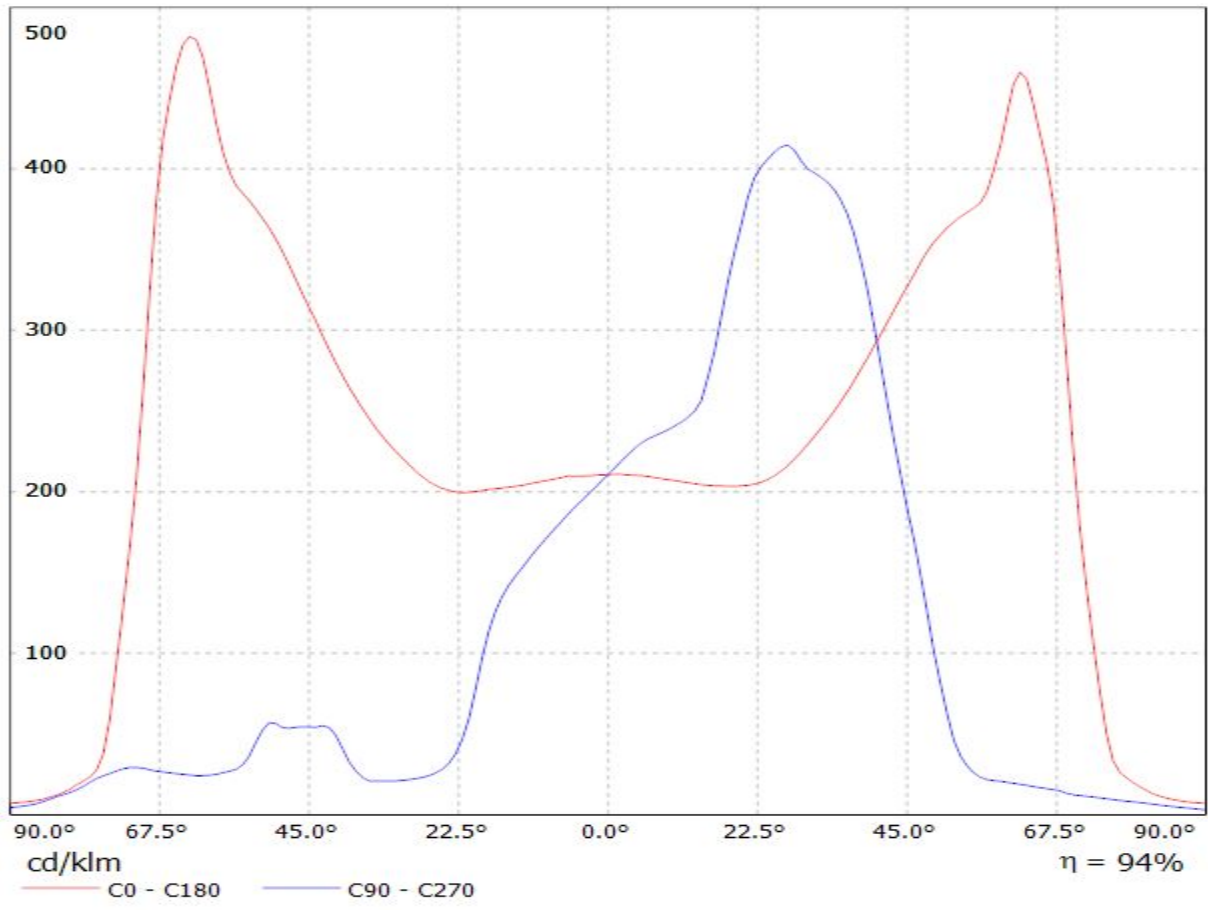
Luminaire: LEDiL Oy C12419\_STRADA-2X2-A-T (Fortimo\_F-Flex\_2x8\_740DAG3)

Lamps: 1 x Philips\_Fortimo\_F-Flex\_2x8\_740DAG3\_1786.86lm@250mA\_P=11.6092W\_I=0.2498A



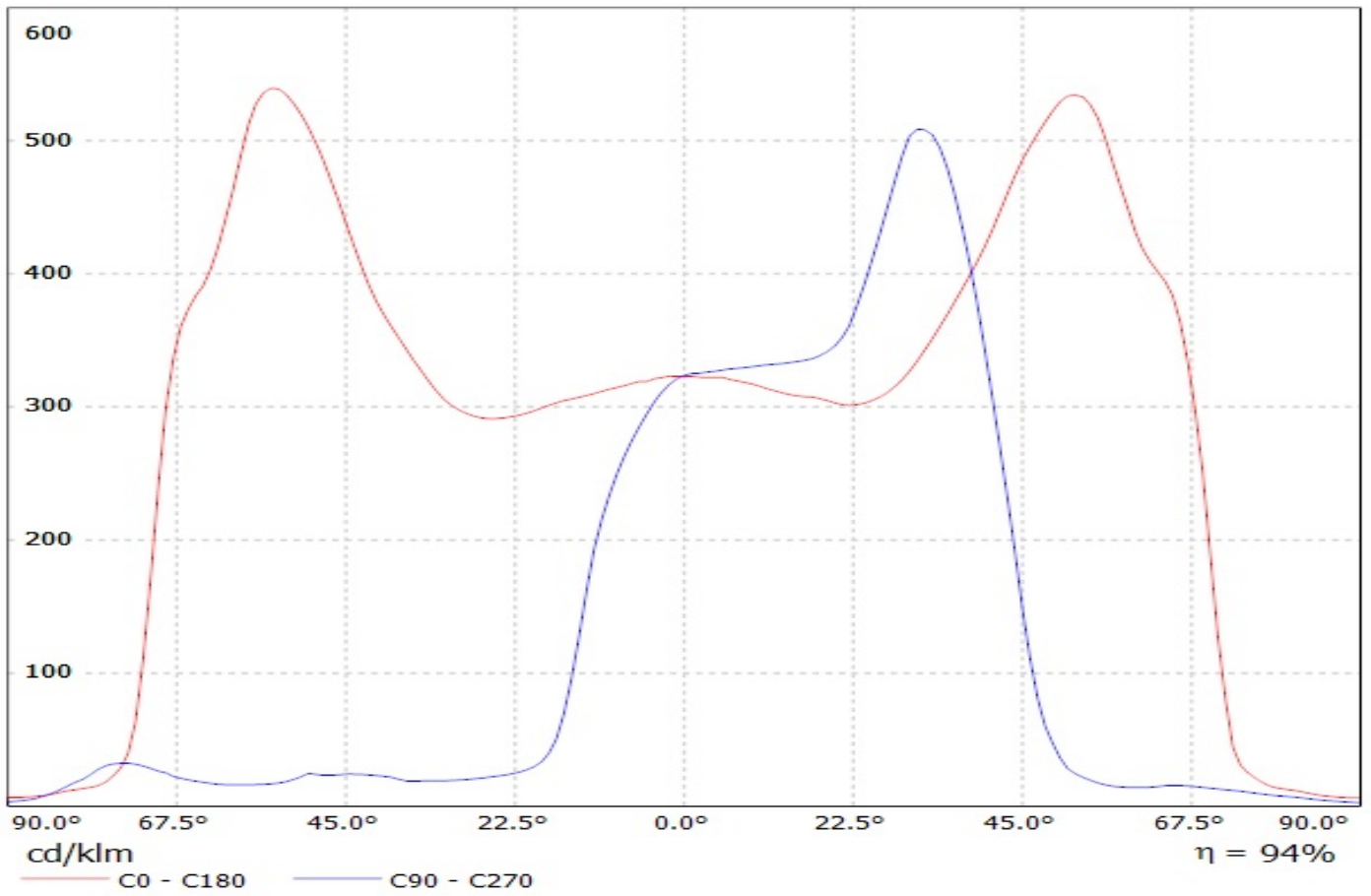
Luminaire: LEDiL Oy C12419\_STRADA-2x2-A-T\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_517lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA

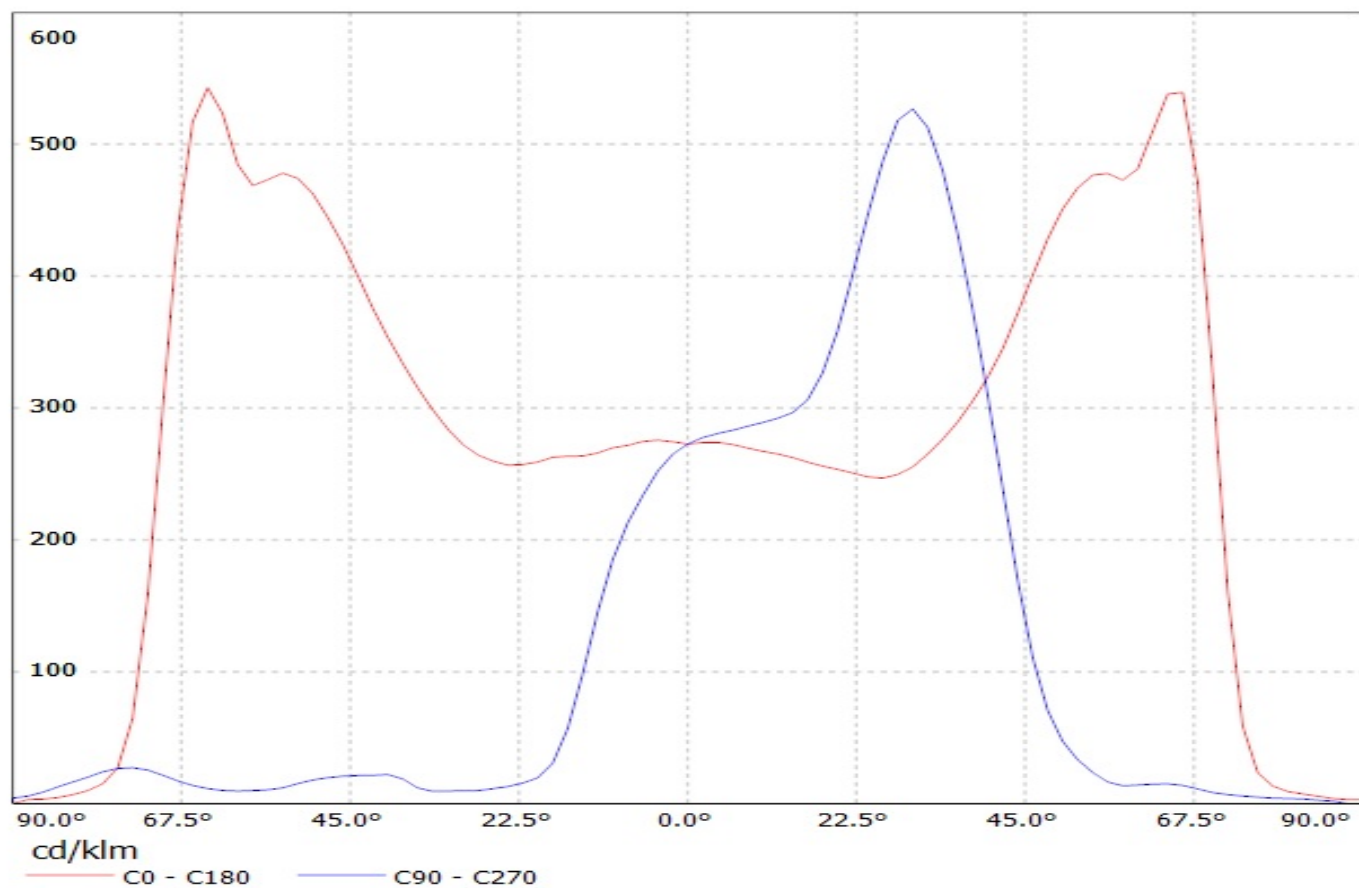


Luminaire: LEDiL Oy C12419\_STRADA-2X2-A-T\_(LH351Z)

Lamps: 1 x SAMSUNG\_LH351Z\_2x2\_367.95lm@250mA\_P=2.86371W\_I=249.8mA

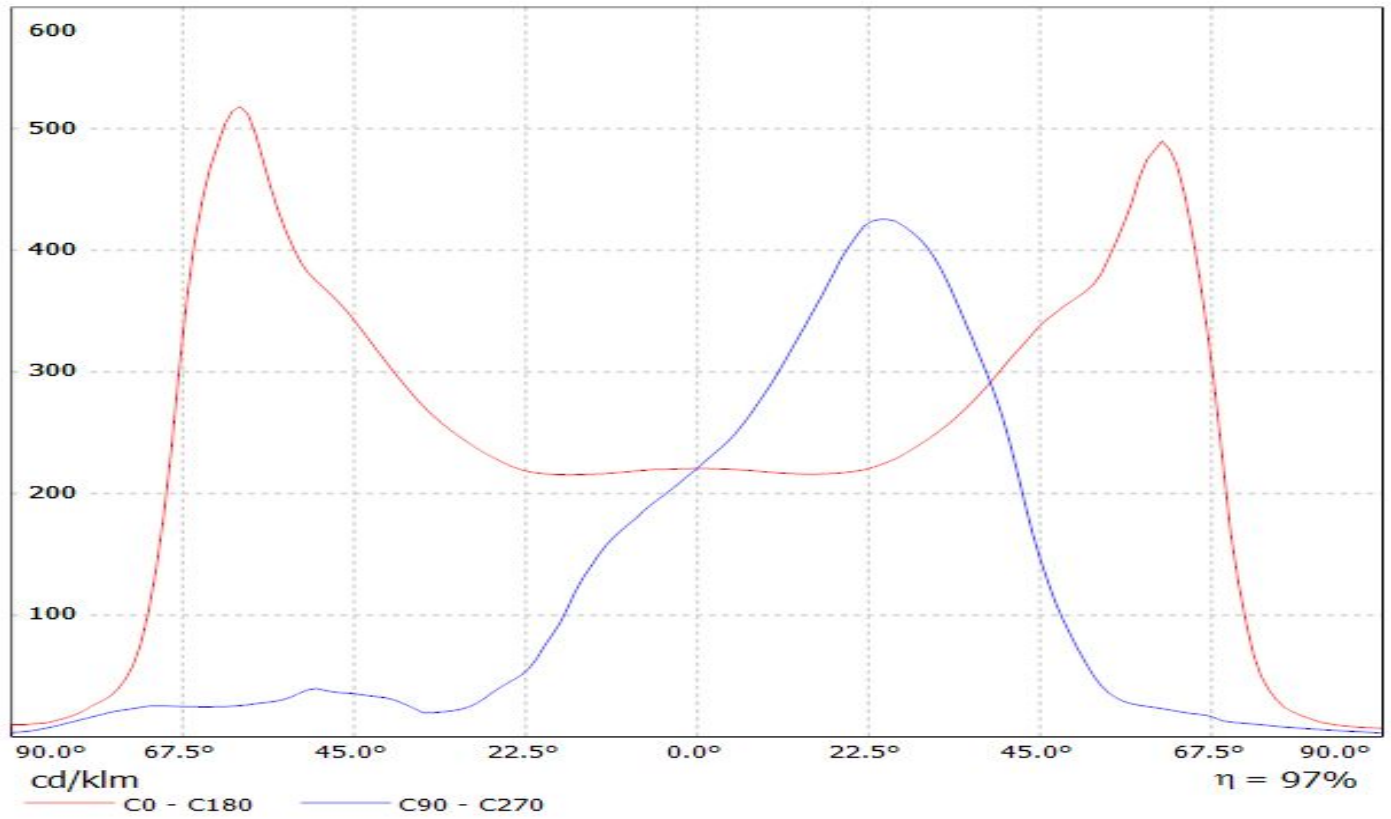


Luminaire: LEDil Oy C12419\_STRADA-2X2-A-T\_(XP-G2) Efficiency=94%  
Lamps: 1 x Cree XP-G2 (XPGBWT-L1-000-00G51) 350lm @ 250mA CCT=7200K P=2.9W I=250mA

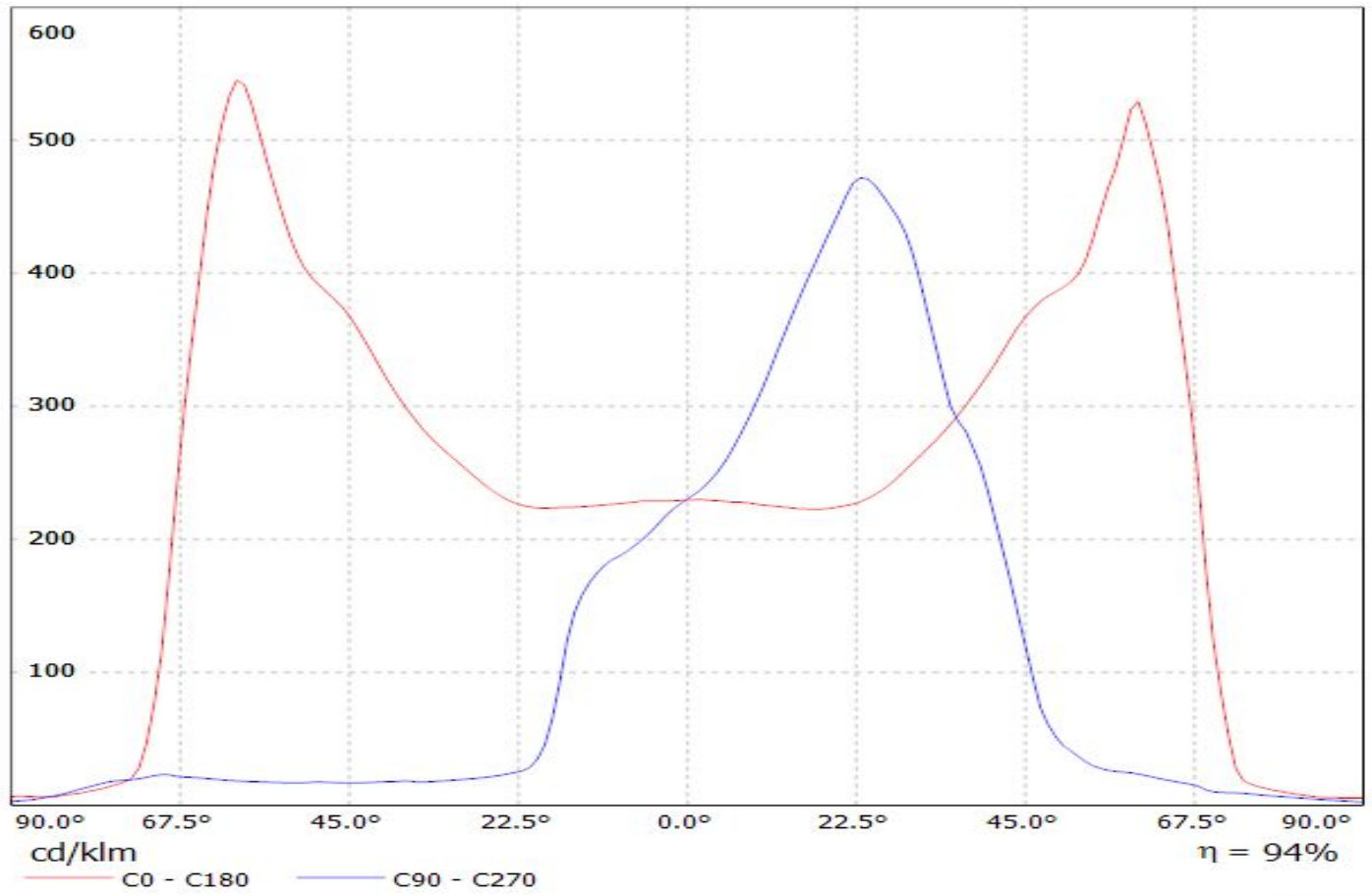


**LEDiL Oy C12419\_STRADA-2x2-AT\_(NICHIA\_NS9x383) Eff.97.1% / LDC  
(Linear)**

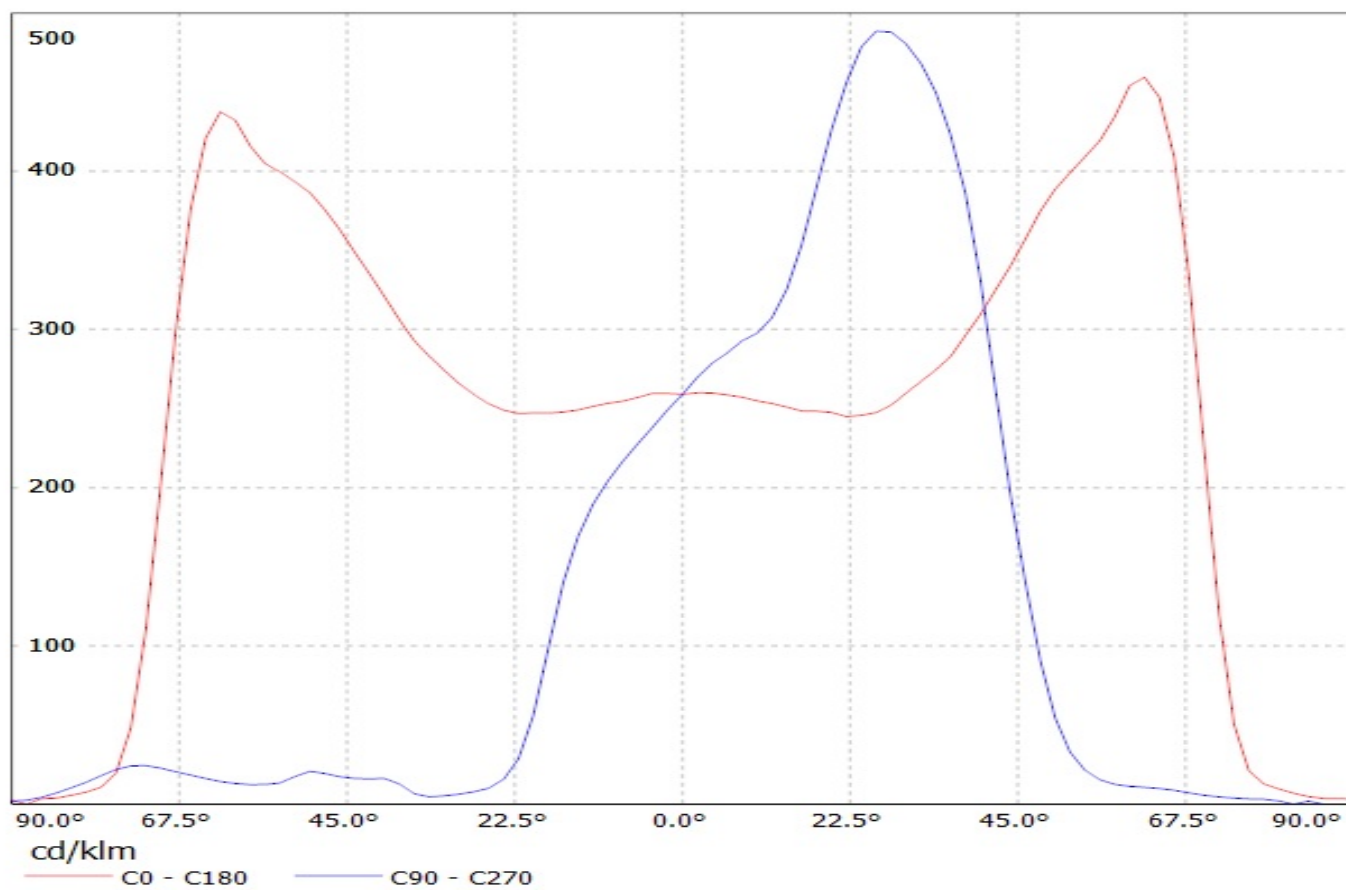
Luminaire: LEDiL Oy C12419\_STRADA-2x2-AT\_(NICHIA\_NS9x383) Eff.97.1%  
Lamps: 1 x NICHIA\_NS9x383 (287.074lm@250mA)



Luminaire: LEDiL Oy C12419\_STRADA-2X2-A-T\_(LUXEON\_MZ) Eff.94.0%  
Lamps: 1 x LUXEON\_MZ\_2x2\_(LMZ7-QW57)\_420.65lm@250mA\_P=2.71916W\_CCT=5700K\_I=249.9mA

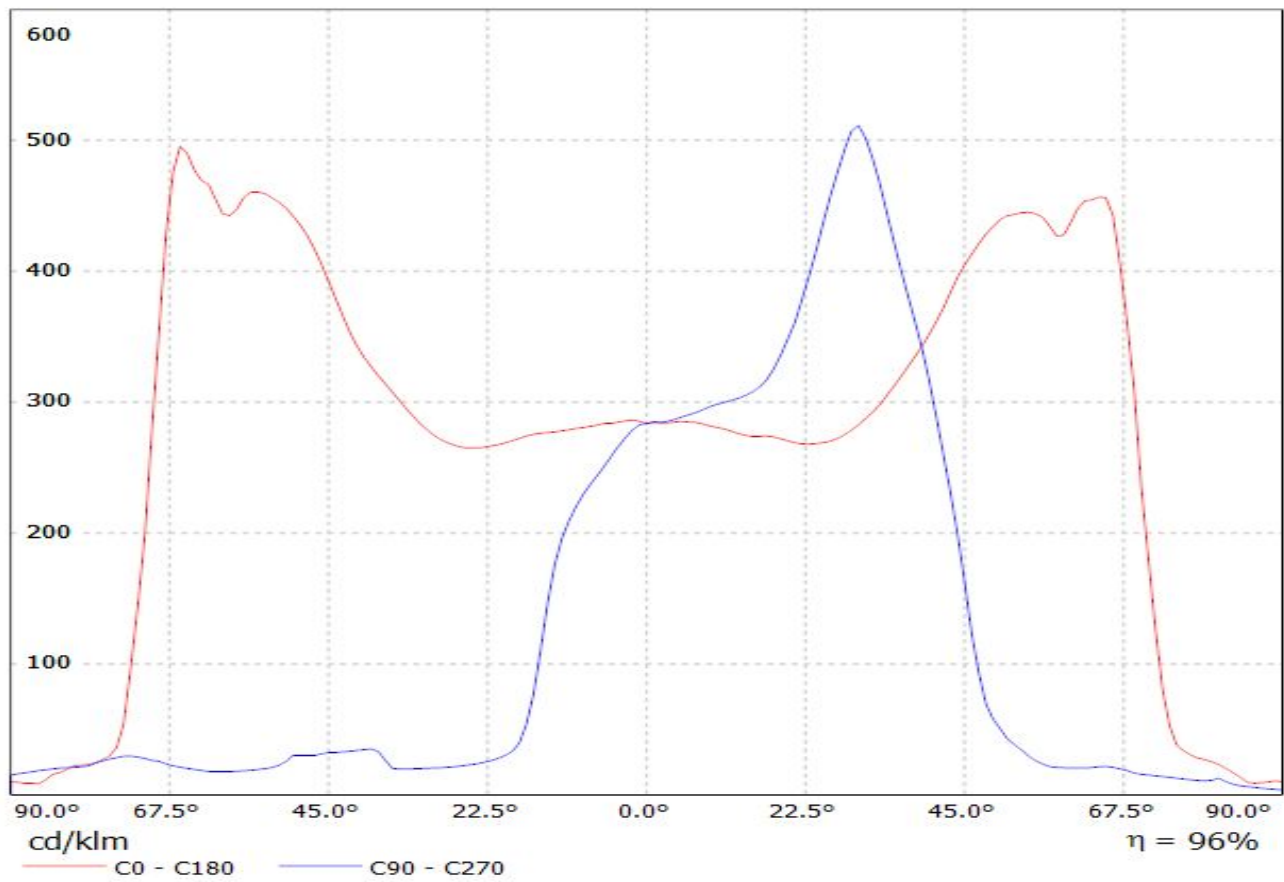


Luminaire: LEDil Oy C12419\_STRADA-2X2-A-T\_(XM-L2) Efficiency=94%  
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 356lm @ 250mA CCT=3200K P=2.8W I=250mA



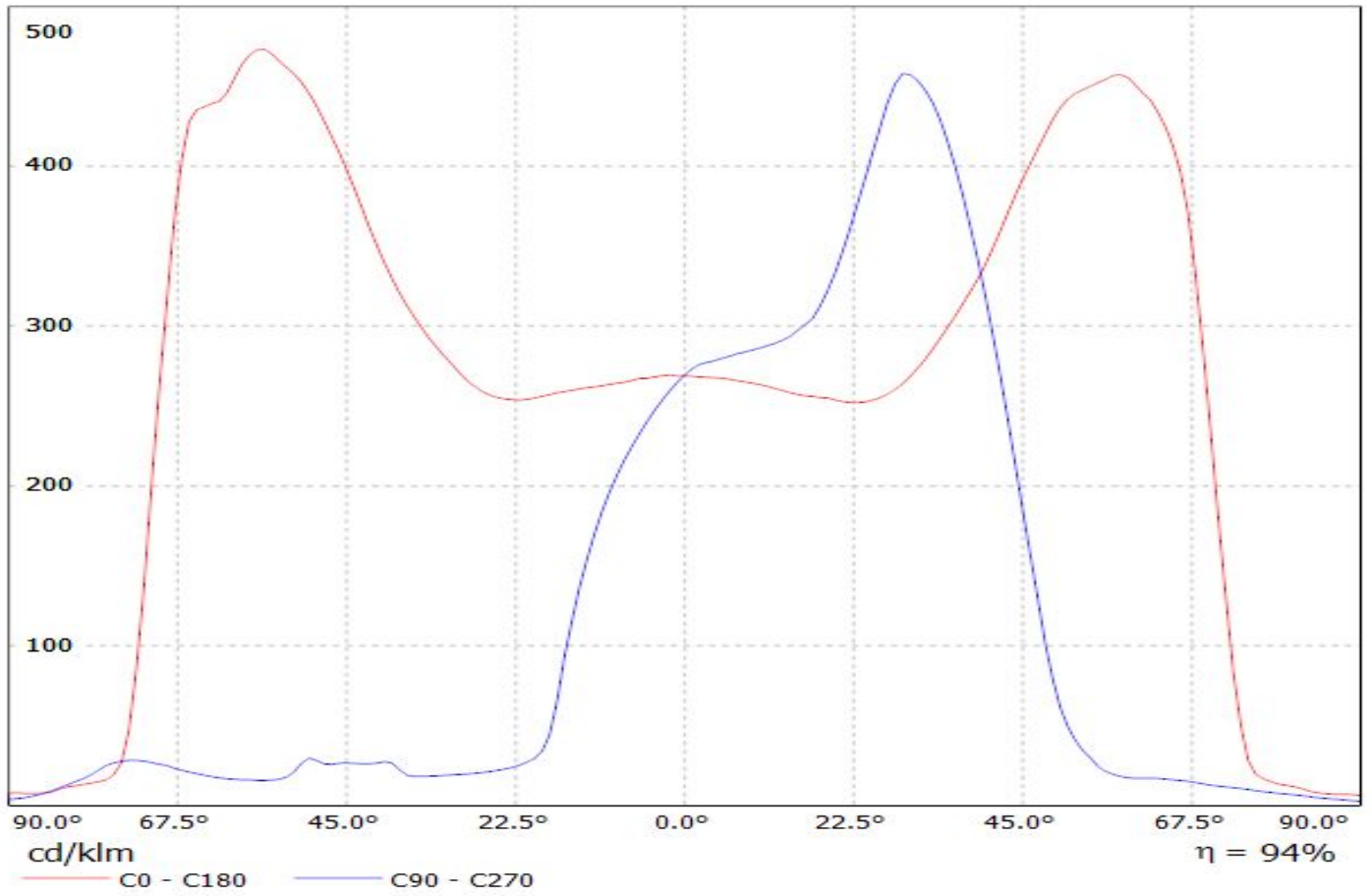


Luminaire: LEDiL Oy C12419\_STRADA-2X2-A-T\_(LG3535) Eff. 96,1%  
Lamps: 1 x LG Ceramic 3535 PKG (372lm@250mA)

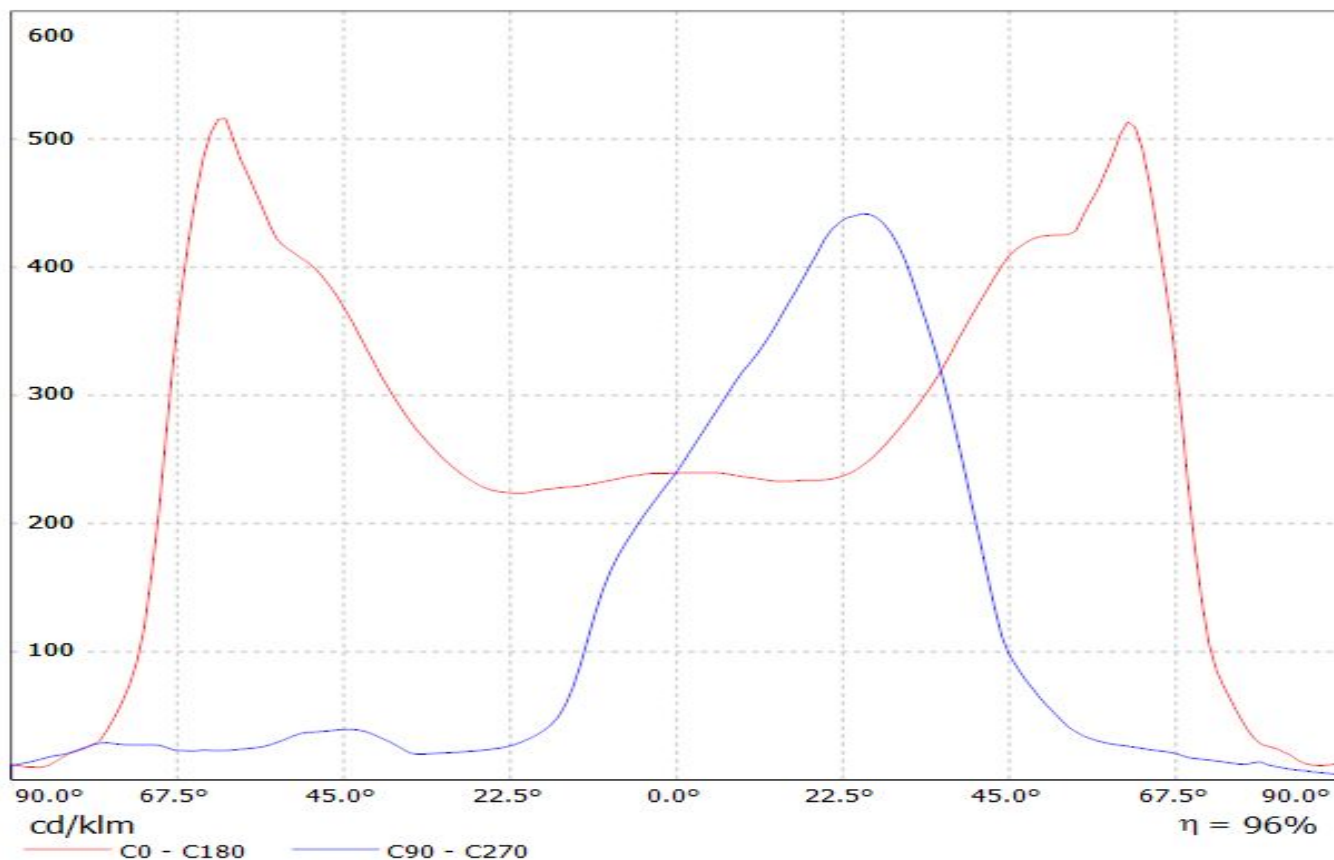


Luminaire: LEDiL Oy C12419\_STRADA-2X2-A-T\_(LH351B)

Lamps: 1 x SAMSUNG\_LH351B\_2x2\_443.65lm@250mA\_P=2.84311W\_I=249.9mA



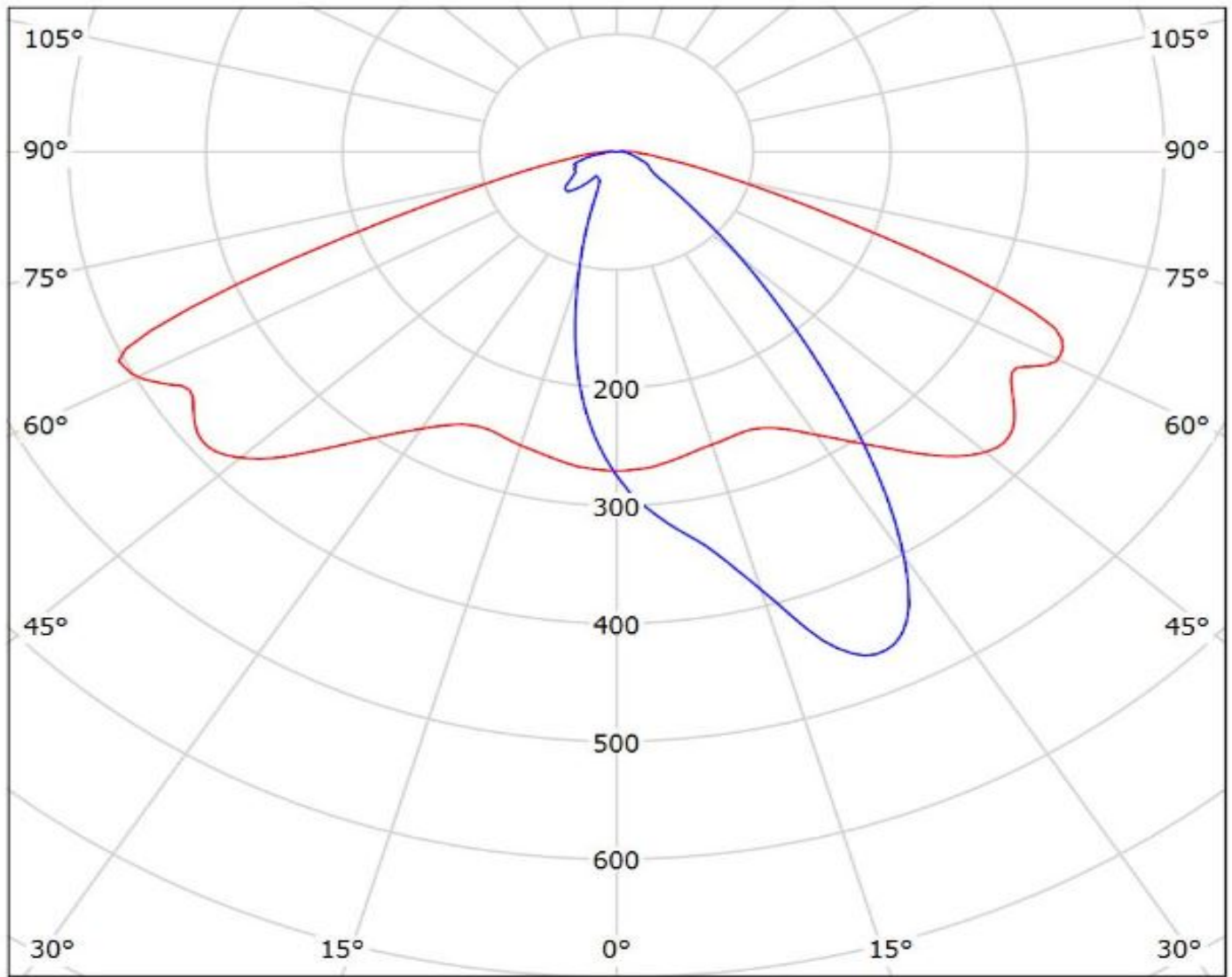
Luminaire: LEDiL Oy C12419\_STRADA-2x2-A-T\_(MJT4040) Eff. 94%  
Lamps: 1 x SEOUL ACHRICH MJT4040 (SAW09H0A) 255lm@40mA P=2.37W I=40mA



# Ledil C12419\_STRADA-2X2-A-T\_(TL1L3) / LDC (Polar)

Luminaire: Ledil C12419\_STRADA-2X2-A-T\_(TL1L3)

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

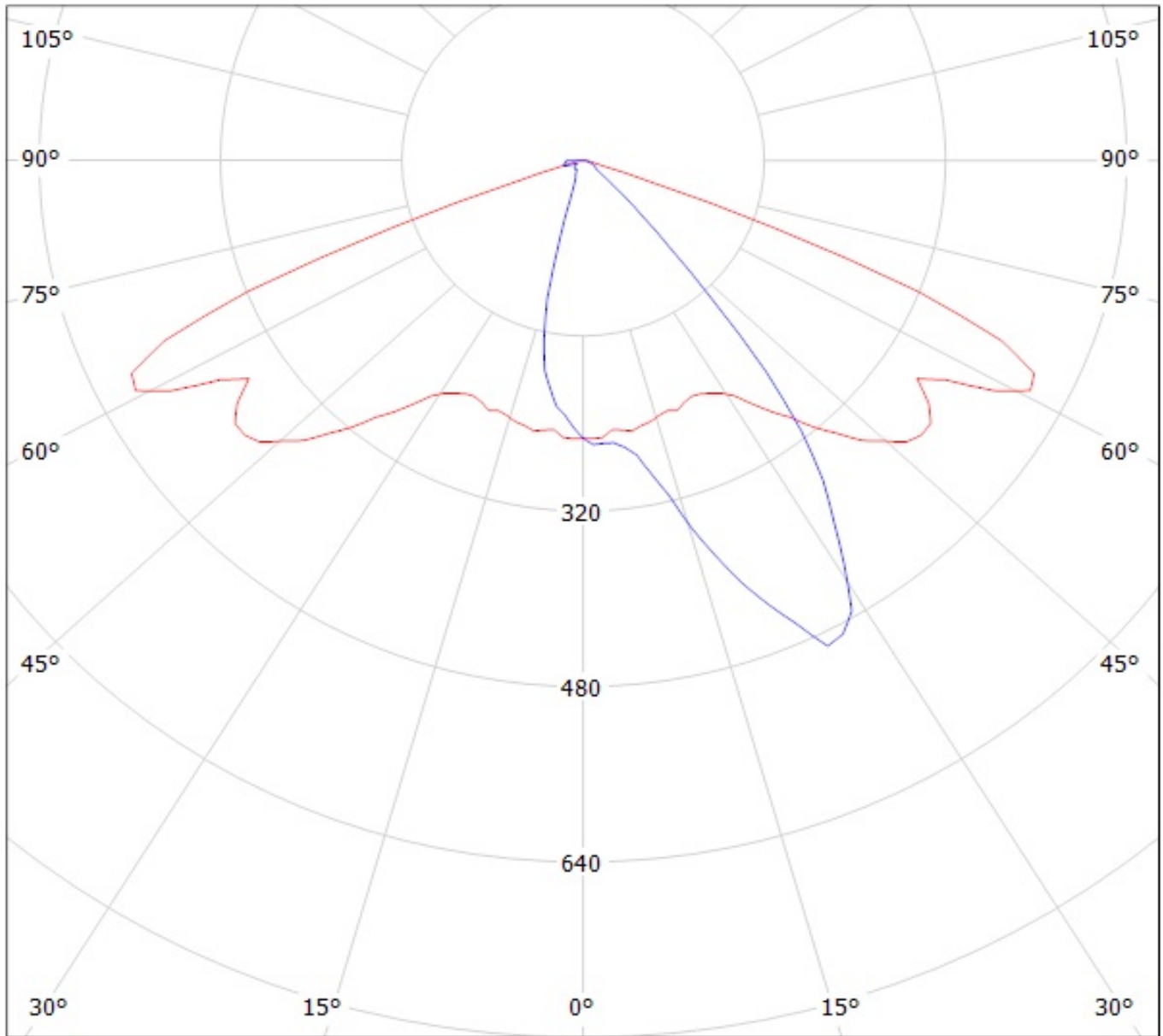


cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: Ledil Oy C12419-Strada\_2x2\_A-T (RE-ES) Efficiency=93%  
Lamps: 1 x Luxeon-Rebel-ES 250mA 500lm

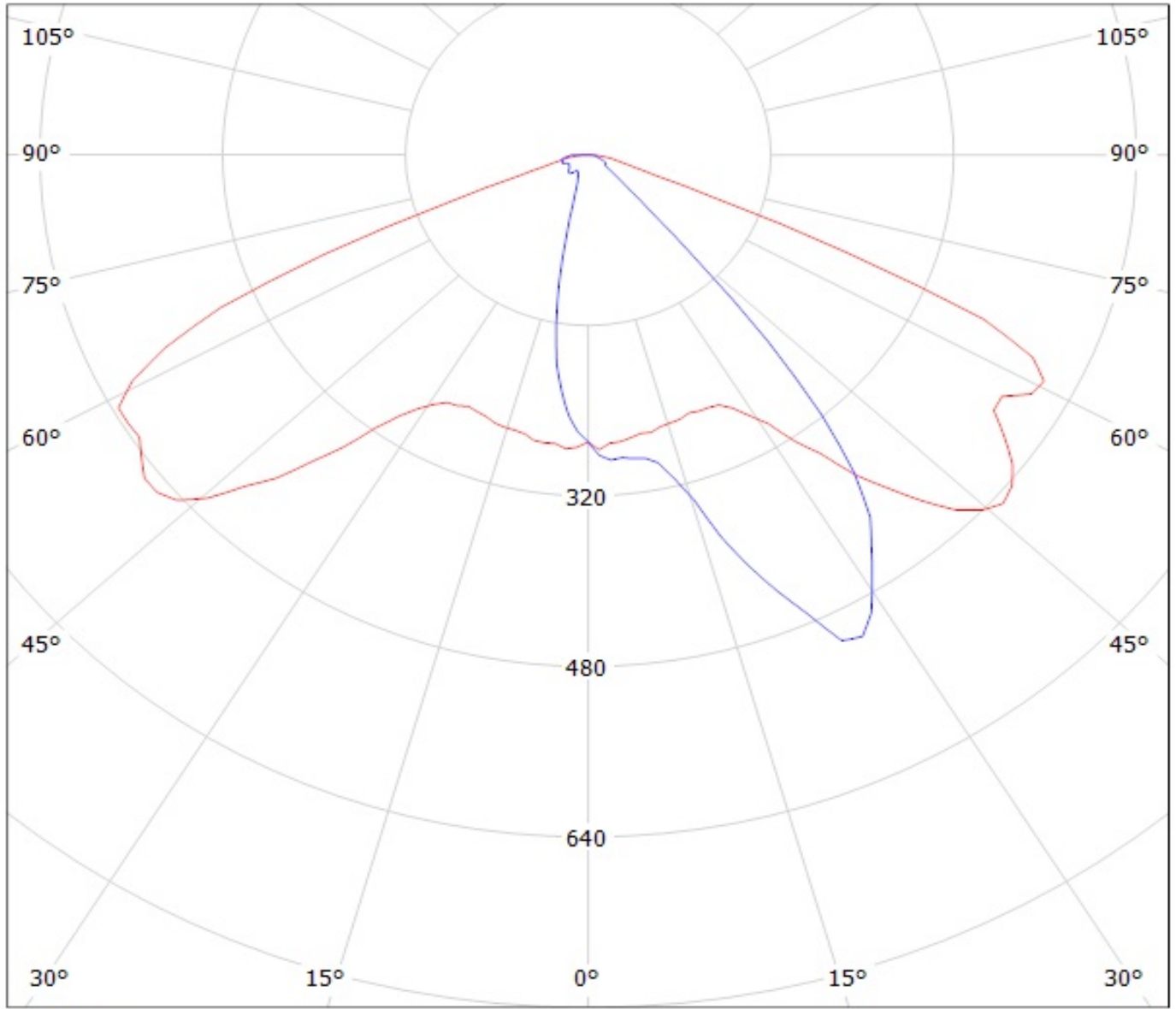


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C12419\_STRADA-2X2-A-T (Osram Square PC 398lm @ 250mA) Efficiency=93%  
Lamps: 1 x Osram Square PC 398lm @ 250mA



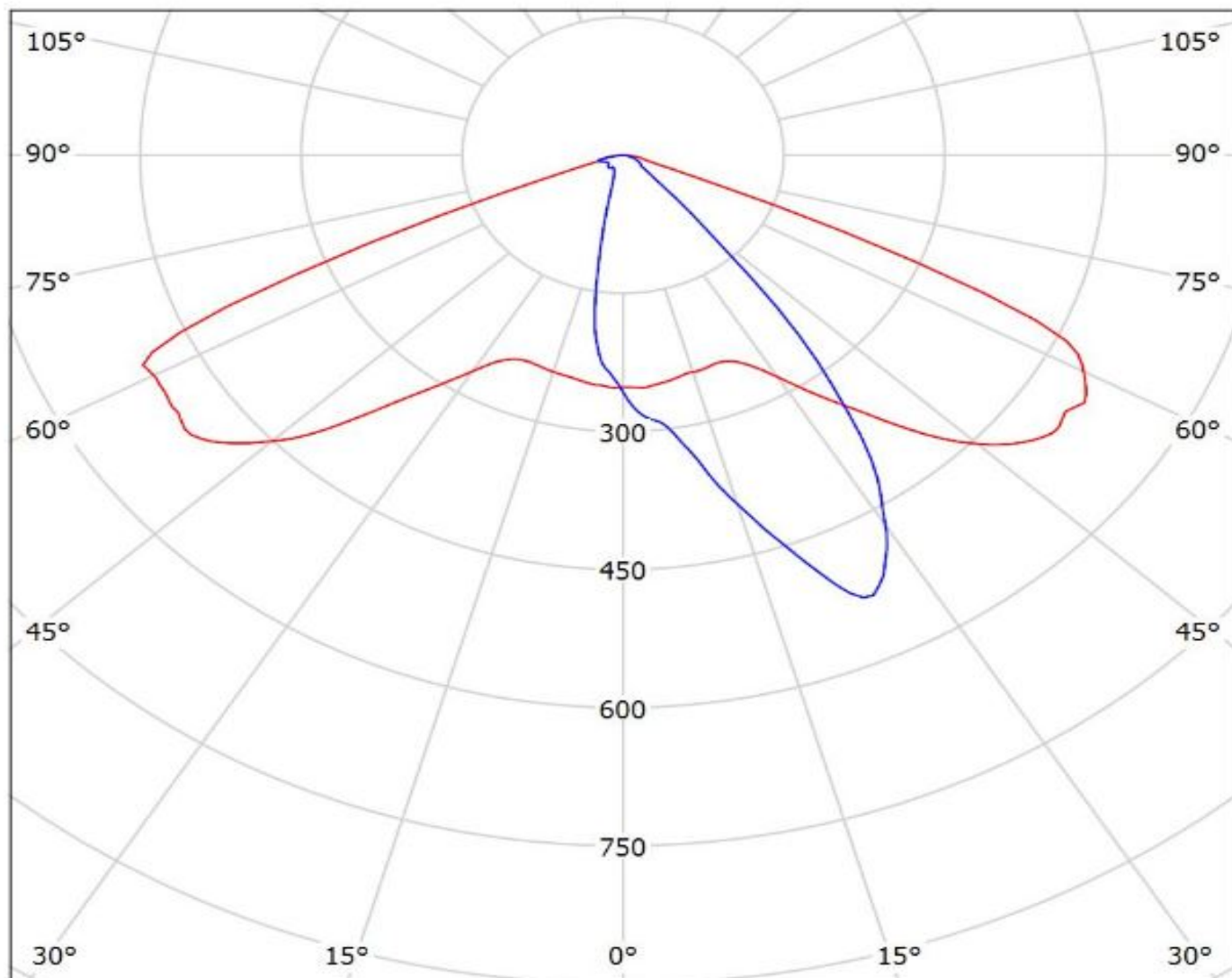
cd/klm  
— C0 - C180 — C90 - C270



# Ledil C12419\_STRADA-2X2-A-T\_(TL1L4) / LDC (Polar)

Luminaire: Ledil C12419\_STRADA-2X2-A-T\_(TL1L4)

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



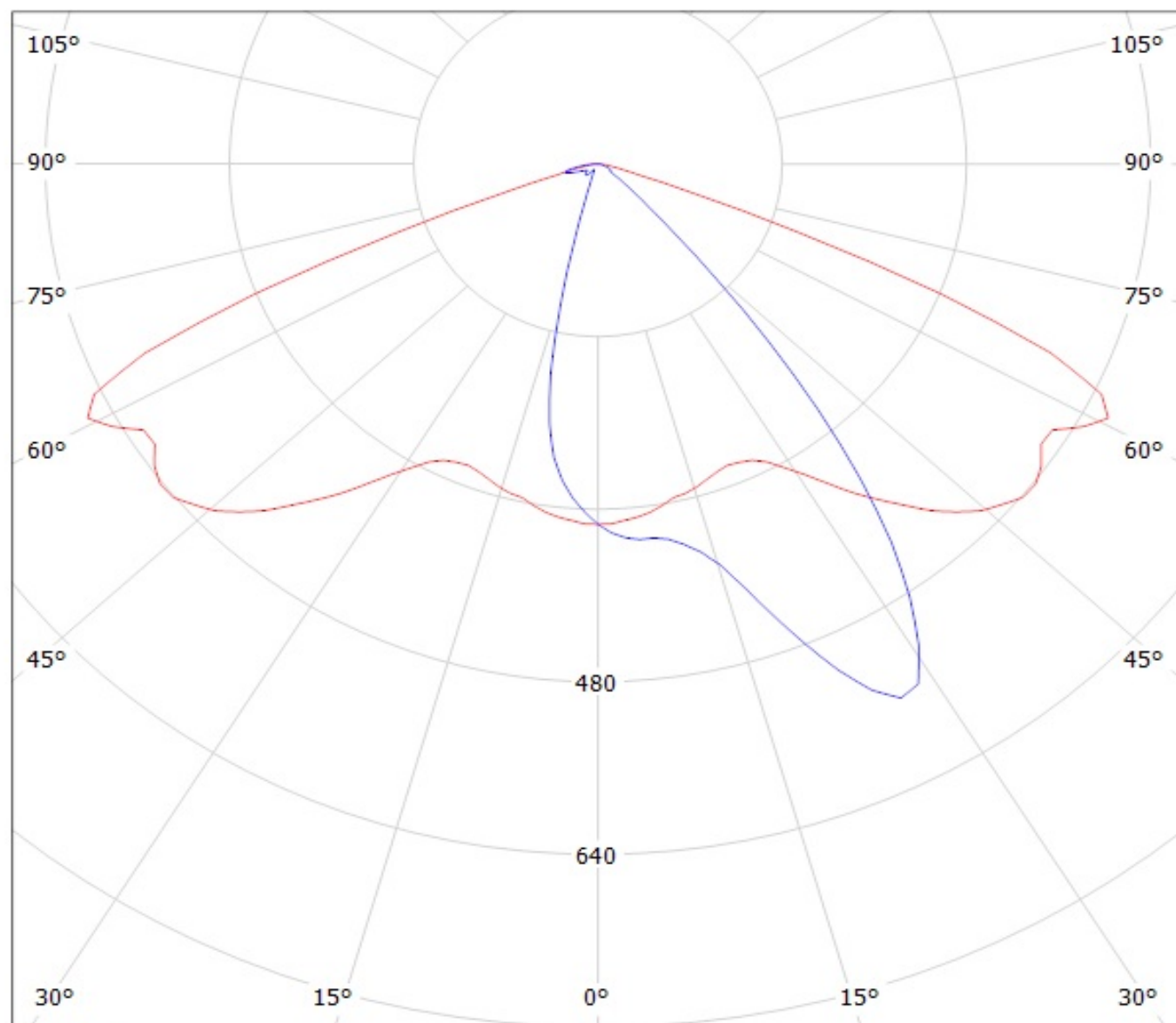
cd/klm

— C0 - C180    — C90 - C270

$\eta = 94\%$



Luminaire: LEDil Oy C12419\_STRADA-2X2-A-T\_(Z5M1) Efficiency=94%  
Lamps: 1 x Seoul Z5M1 (SZ5-M1-WN-C8) 379lm @ 250mA CCT=4600K P=2.9W I=250mA



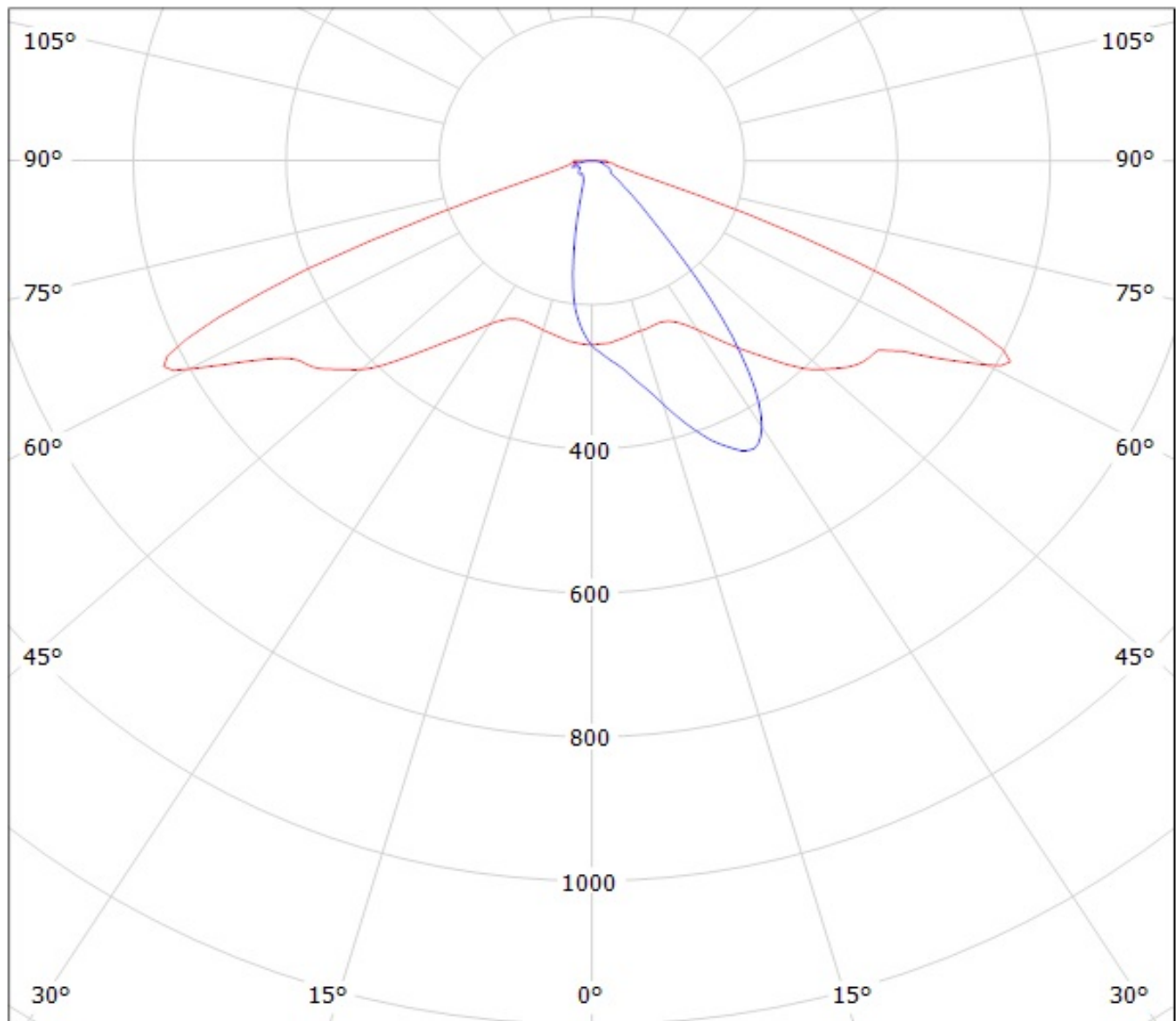
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C12419\_STRADA-2X2-A-T\_(LUXEON\_Q)

Lamps: 1 x LUXEON\_Q\_2x2\_(LHQ-3080)\_298.615lm@250mA\_P=2.86995W\_I=249.8mA

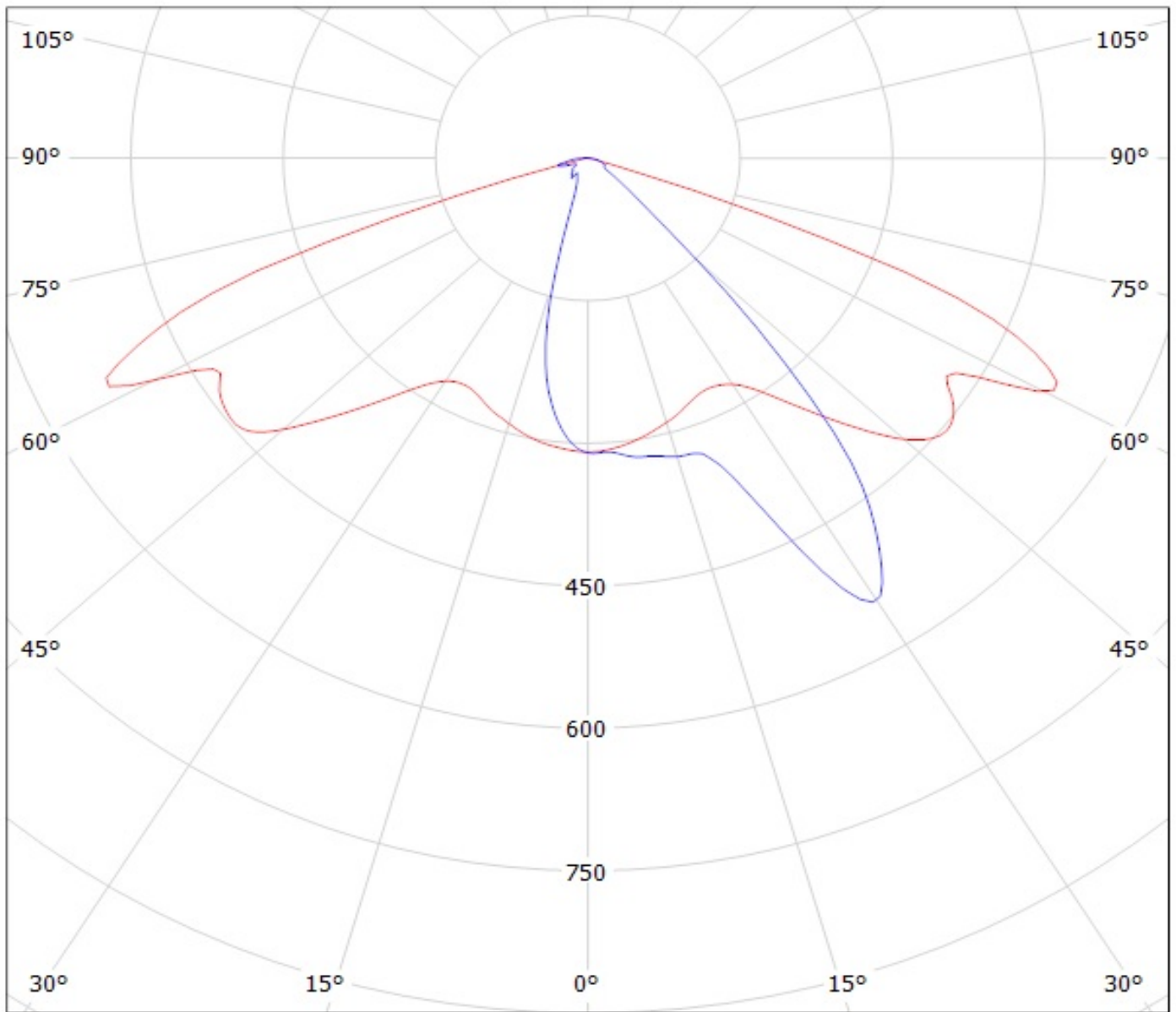


cd/klm

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy C12419\_STRADA-2X2-A-T\_(Fortimo\_F-Flex\_2x8\_740DAG3)

Lamps: 1 x Philips\_Fortimo\_F-Flex\_2x8\_740DAG3\_1786.86lm@250mA\_P=11.6092W\_I=0.2498A



cd/klm

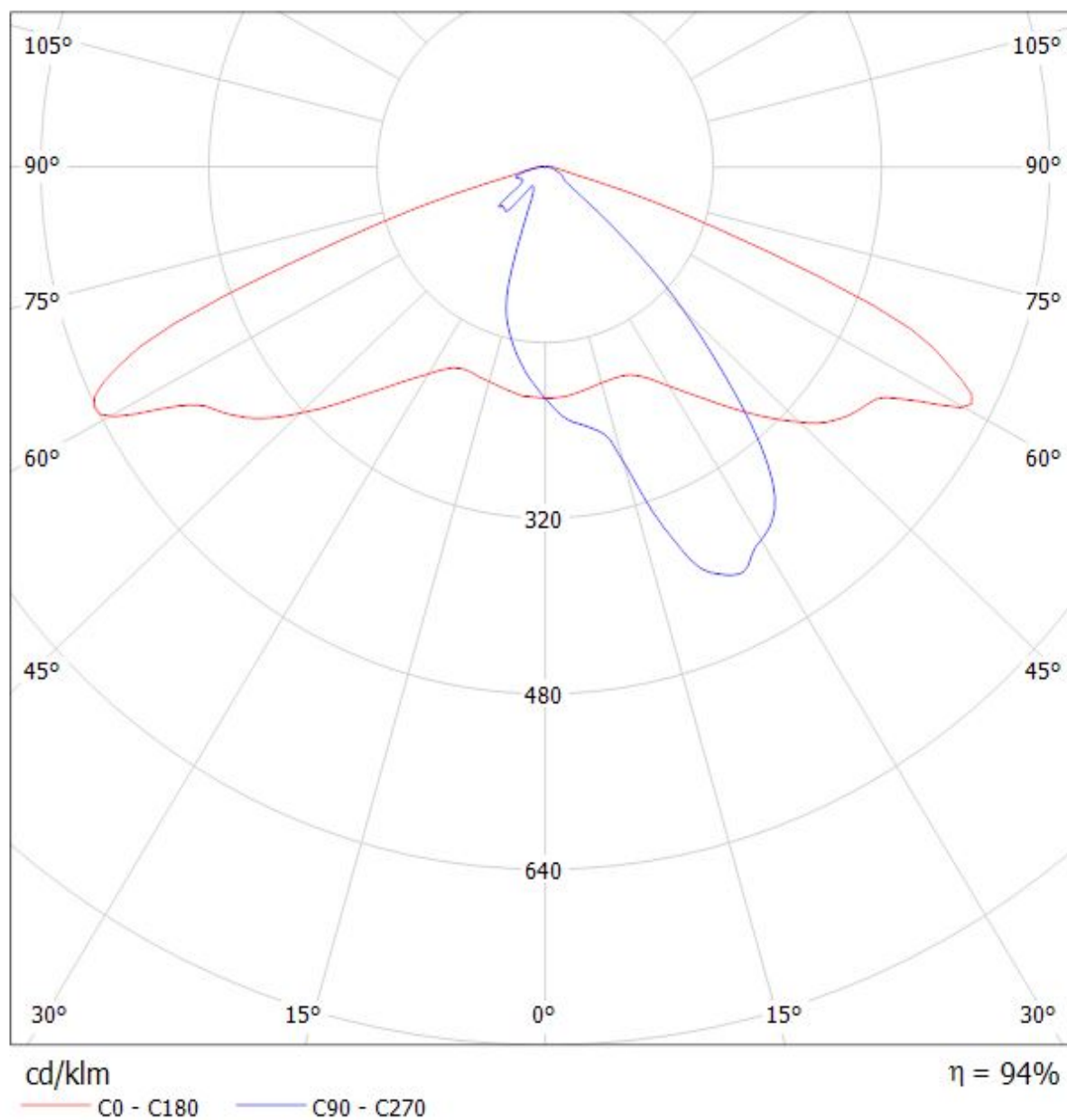
$\eta = 97\%$

— C0 - C180

— C90 - C270

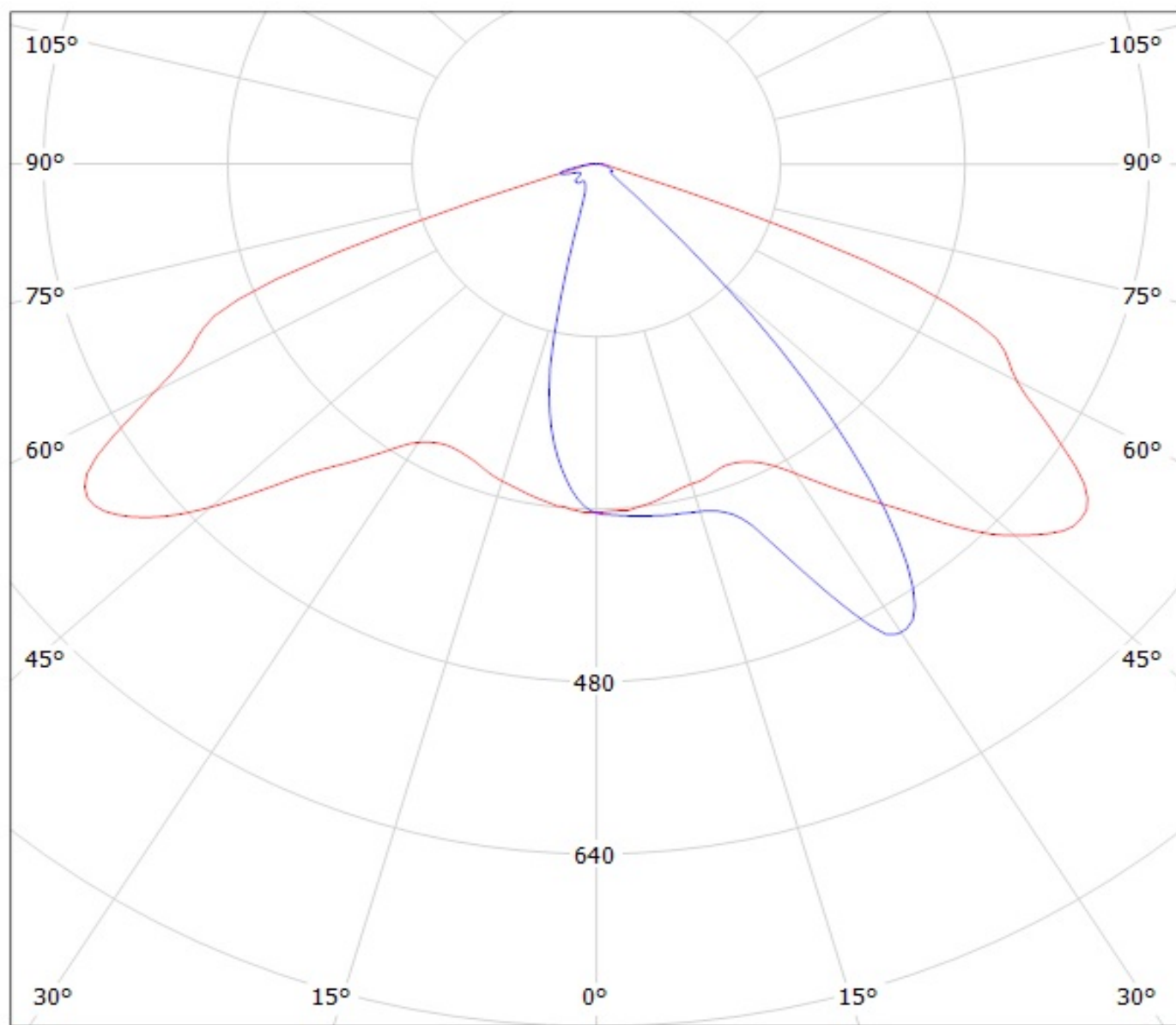
Luminaire: LEDiL Oy C12419\_STRADA-2x2-A-T\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_517lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



Luminaire: LEDiL Oy C12419\_STRADA-2X2-A-T\_(LH351Z)

Lamps: 1 x SAMSUNG\_LH351Z\_2x2\_367.95lm@250mA\_P=2.86371W\_I=249.8mA



cd/klm

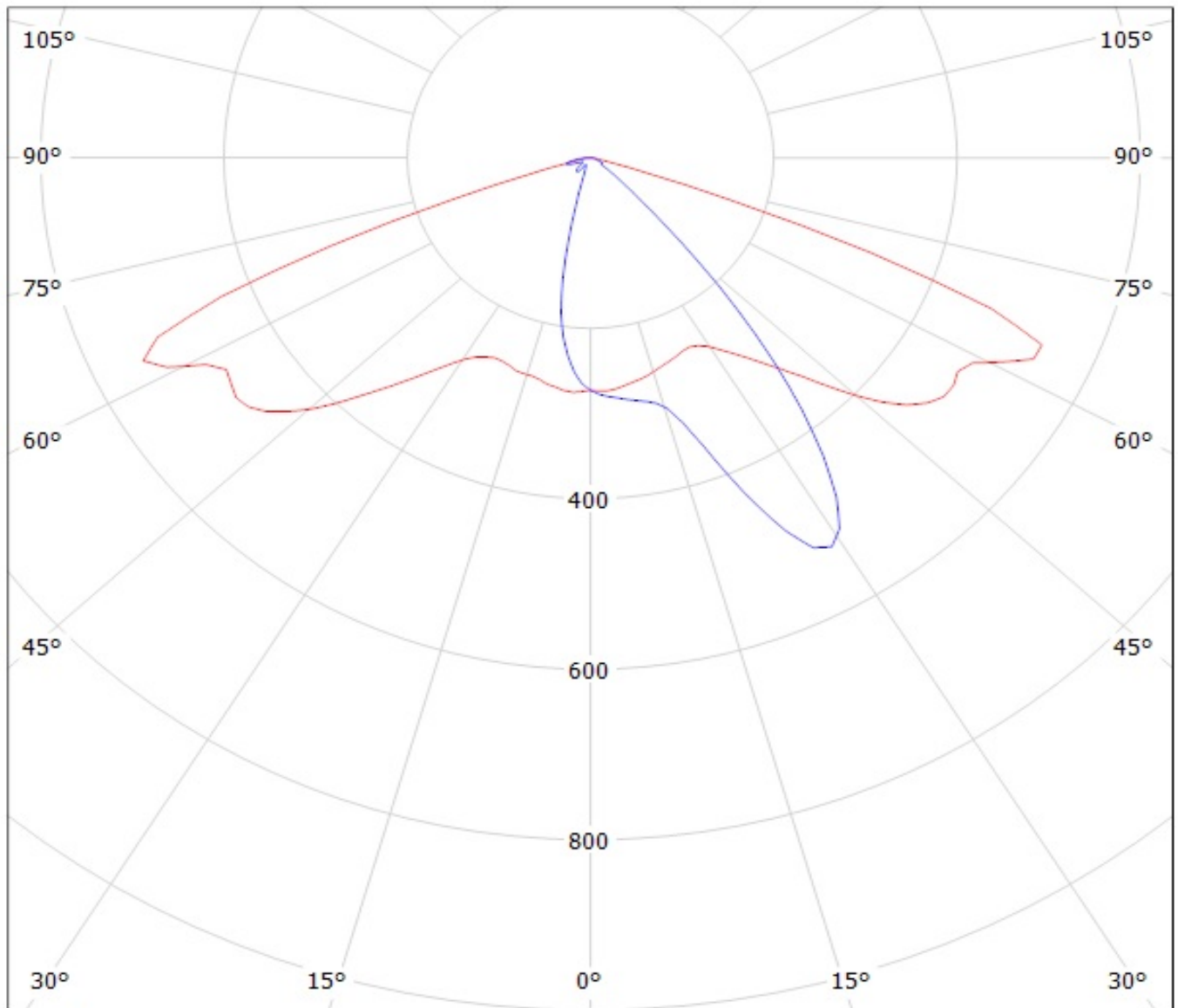
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDil Oy C12419\_STRADA-2X2-A-T\_(XP-G2) Efficiency=94%

Lamps: 1 x Cree XP-G2 (XPGBWT-L1-000-00G51) 350lm @ 250mA CCT=7200K P=2.9W I=250mA



cd/klm

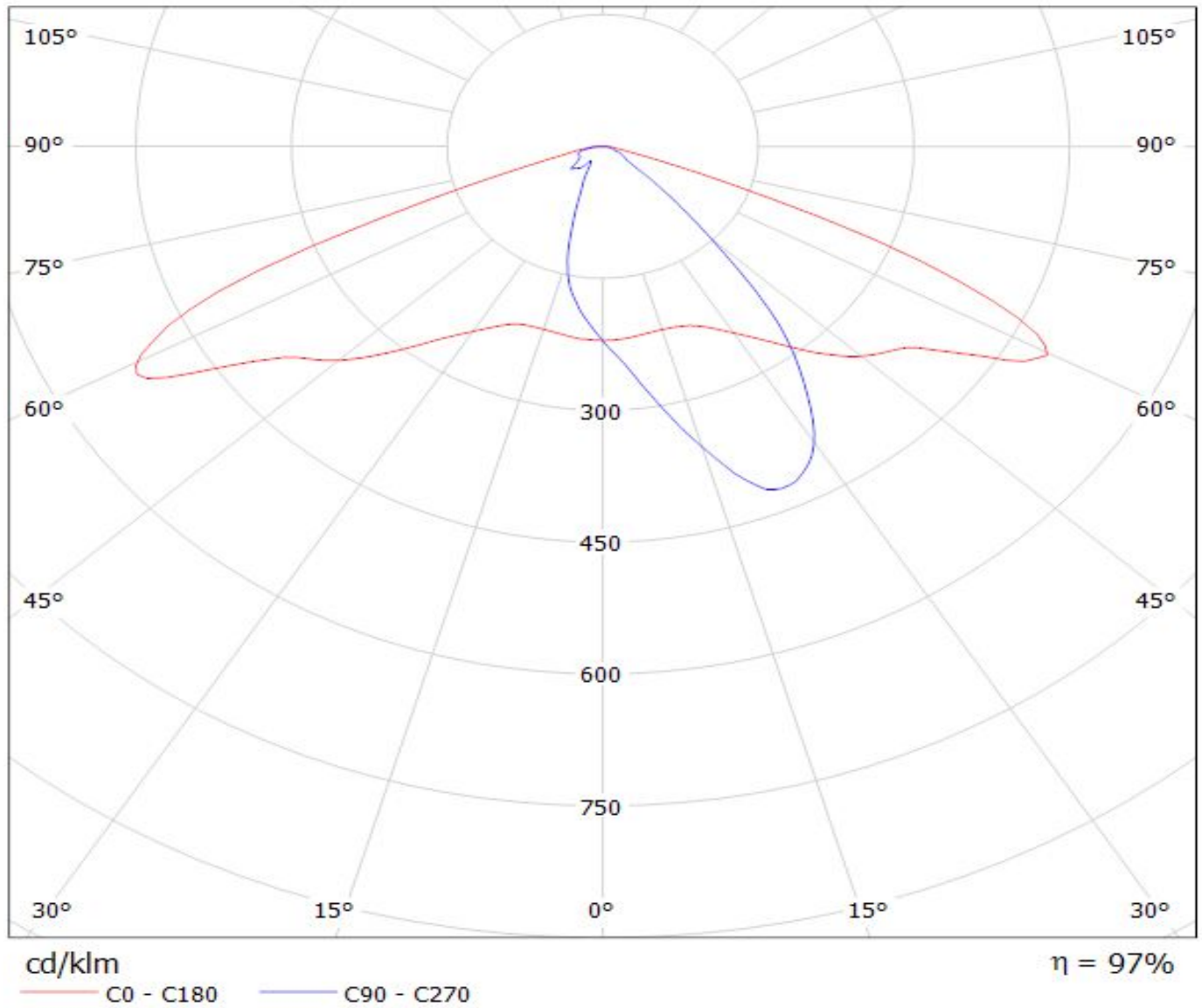
— C0 - C180

— C90 - C270



**LEDiL Oy C12419\_STRADA-2x2-AT\_(NICHIA\_NS9x383) Eff.97.1% / LDC  
(Polar)**

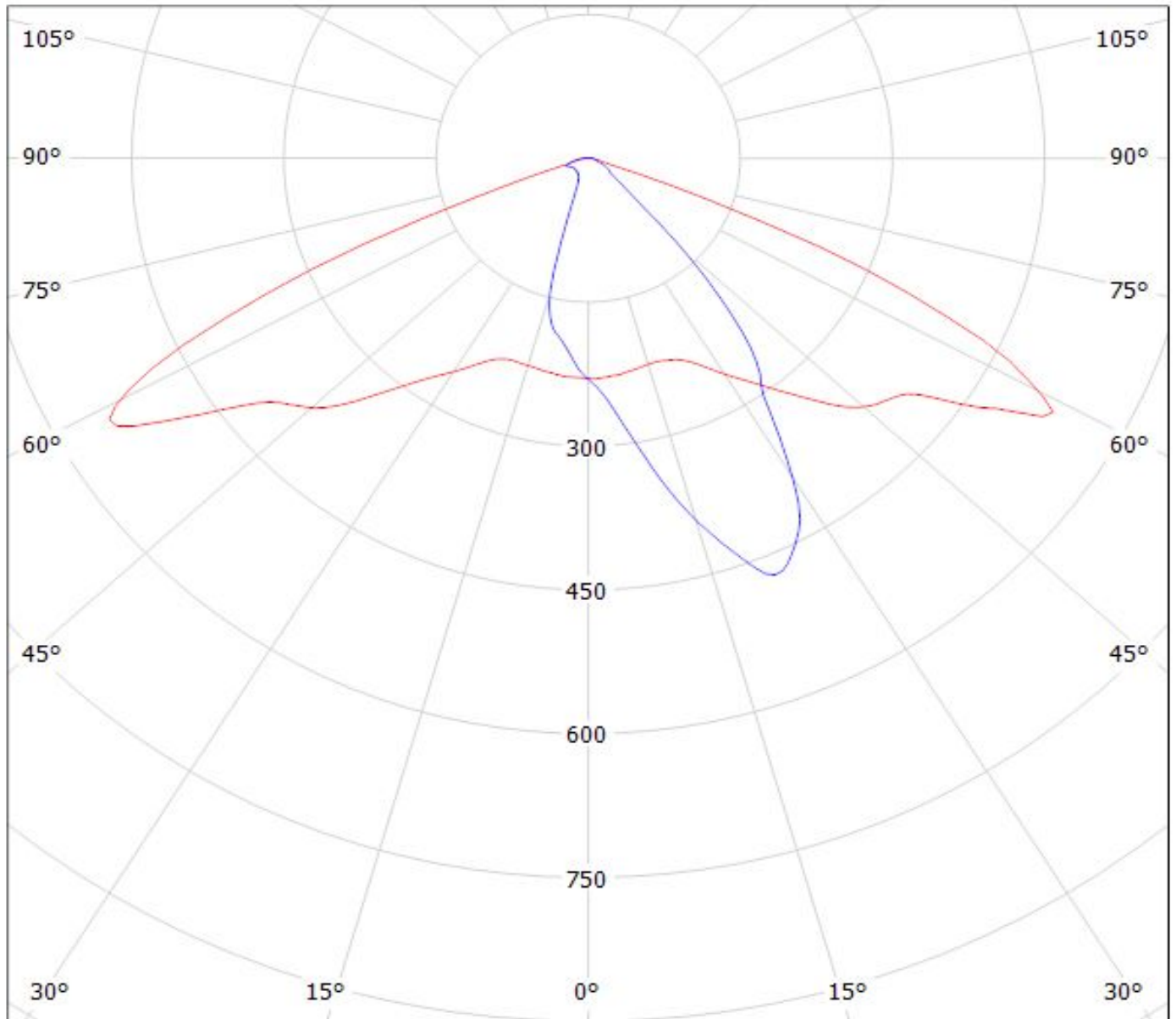
Luminaire: LEDiL Oy C12419\_STRADA-2x2-AT\_(NICHIA\_NS9x383) Eff.97.1%  
Lamps: 1 x NICHIA\_NS9x383 (287.074lm@250mA)





Luminaire: LEDiL Oy C12419\_STRADA-2X2-A-T\_(LUXEON\_MZ) Eff.94.0%

Lamps: 1 x LUXEON\_MZ\_2x2\_(LMZ7-QW57)\_420.65lm@250mA\_P=2.71916W\_CCT=5700K\_I=249.9mA



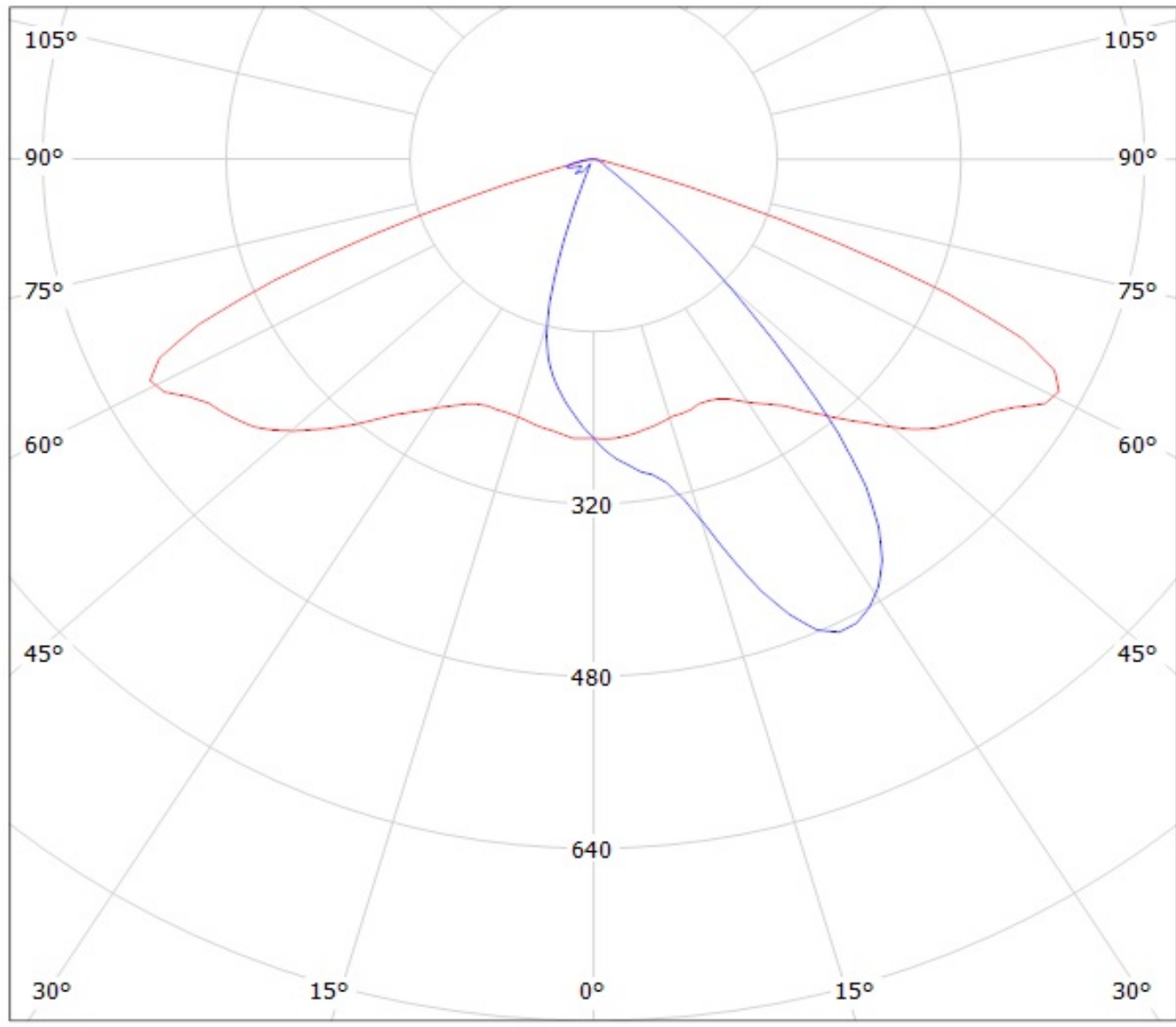
cd/klm

— C0 - C180

— C90 - C270

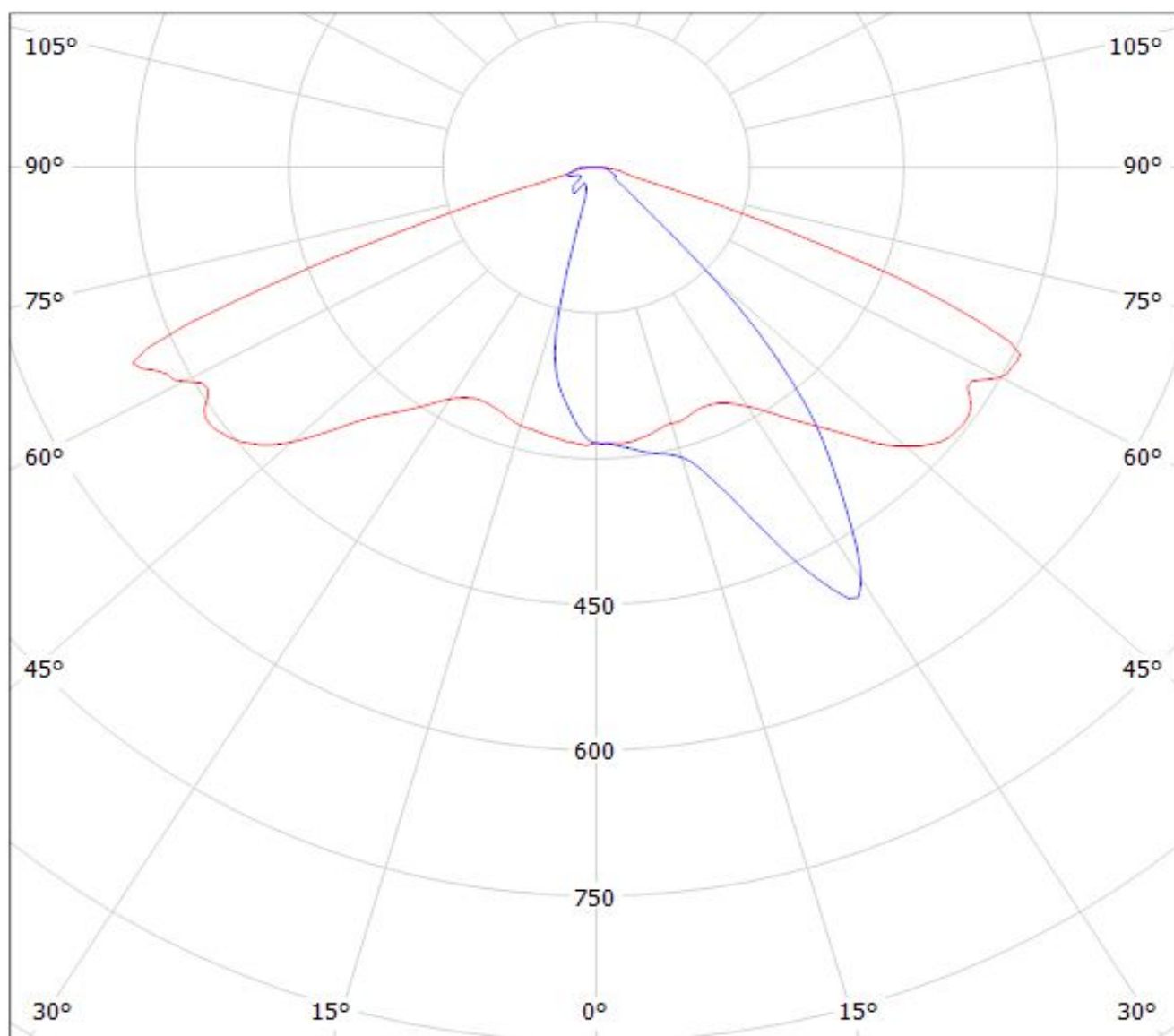
$\eta = 94\%$

Luminaire: LEDil Oy C12419\_STRADA-2X2-A-T\_(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

Luminaire: LEDiL Oy C12419\_STRADA-2X2-A-T\_(LG3535) Eff. 96,1%  
Lamps: 1 x LG Ceramic 3535 PKG (372lm@250mA)



cd/klm

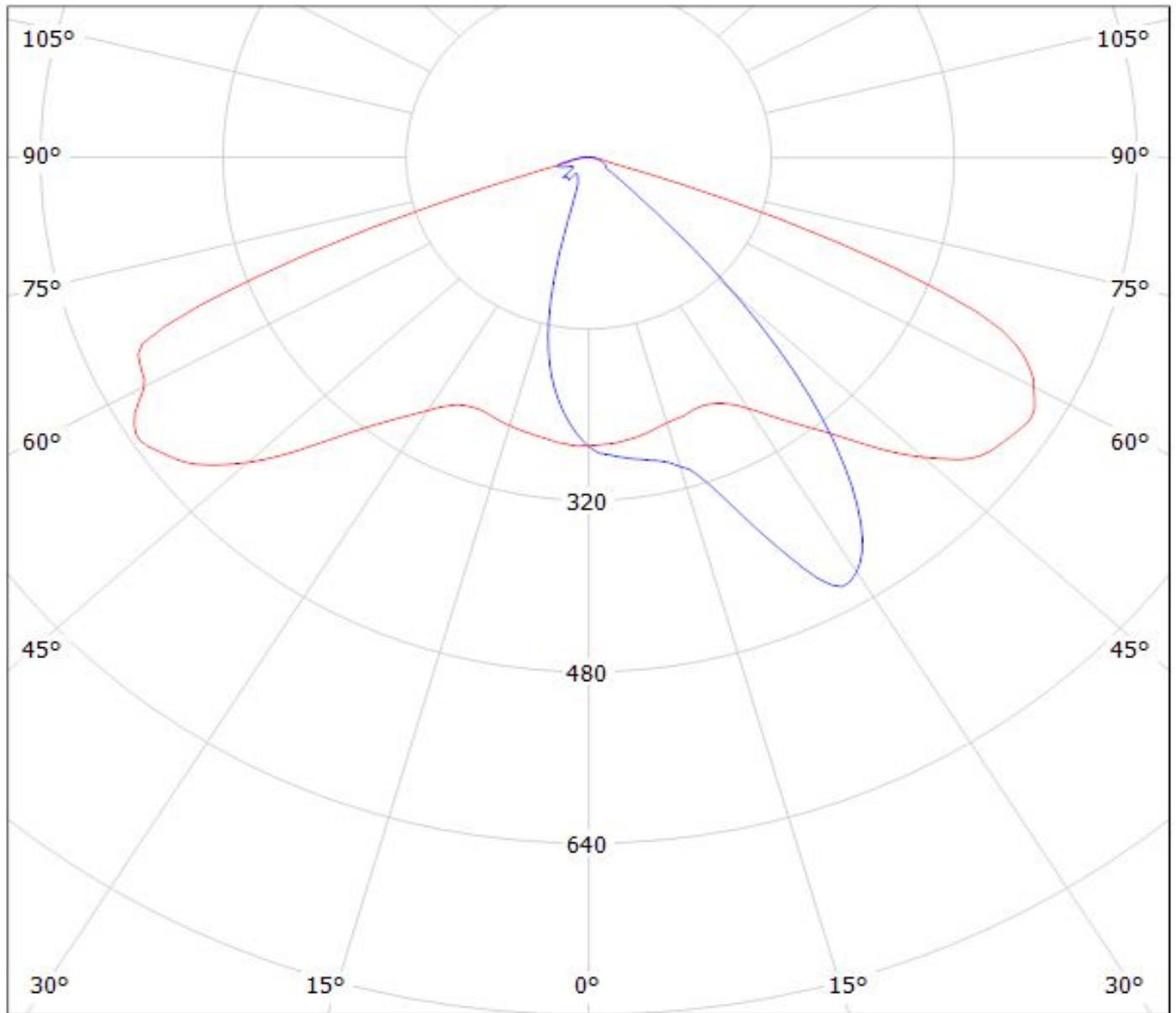
— C0 - C180

— C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy C12419\_STRADA-2X2-A-T\_(LH351B)

Lamps: 1 x SAMSUNG\_LH351B\_2x2\_443.65lm@250mA\_P=2.84311W\_I=249.9mA



cd/klm

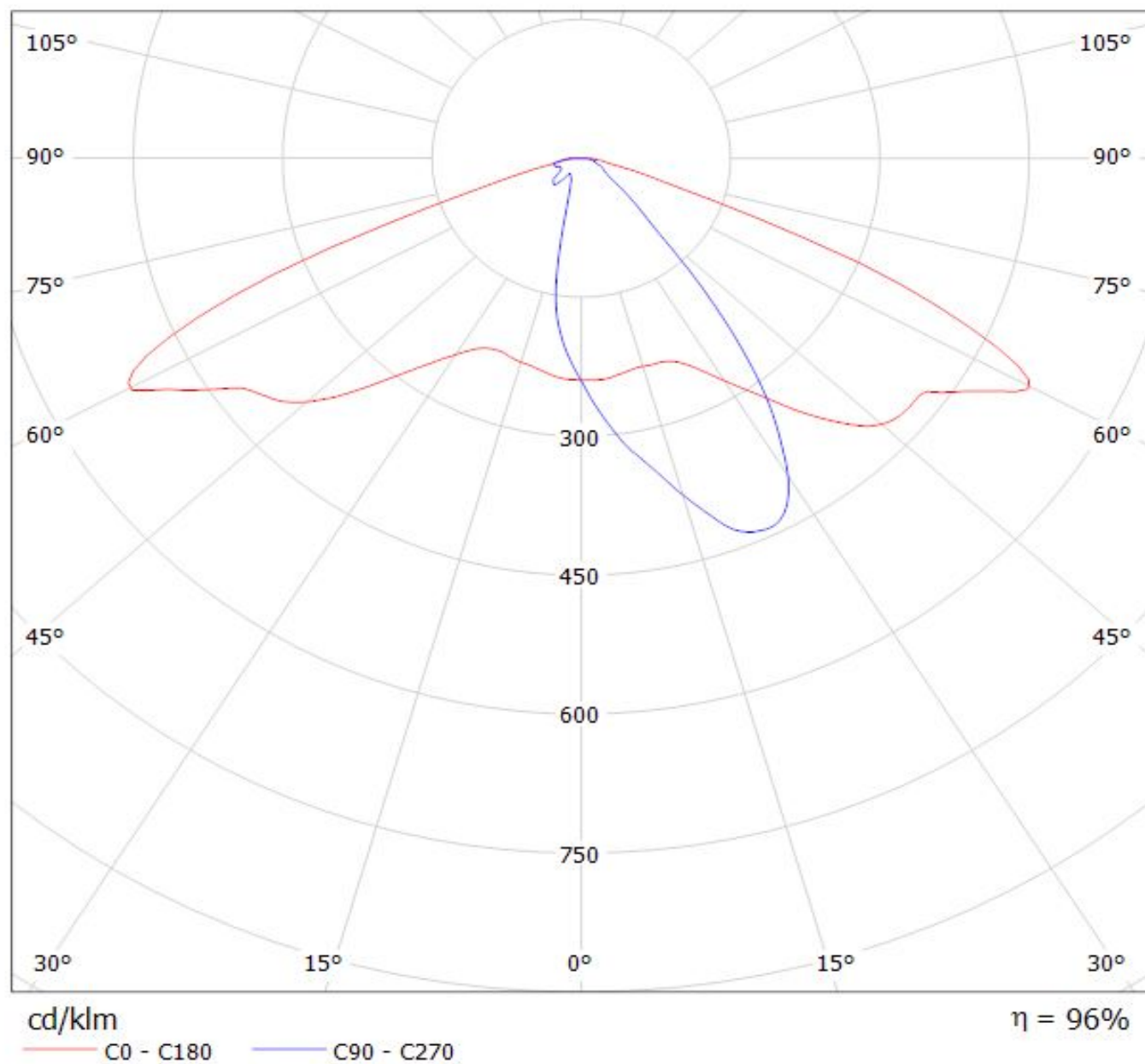
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C12419\_STRADA-2x2-A-T\_(MJT4040) Eff. 94%

Lamps: 1 x SEOUL ACHRICH MJT4040 (SAW09H0A) 255lm@40mA P=2.37W I=40mA



**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.**