

## DETAILS

<b>Product Number</b>	C13299_STRADA-2X2-ME
<b>Family</b>	Strada-Module
<b>Type</b>	Lens array
<b>Color</b>	clear
<b>Diameter</b>	50 + 50 mm
<b>Height</b>	7.1 mm
<b>Style</b>	square
<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>	31/03/2015

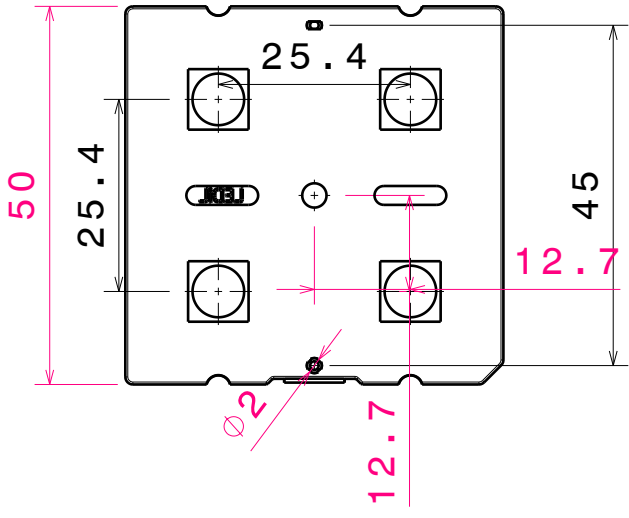


## OPTICAL PROPERTIES

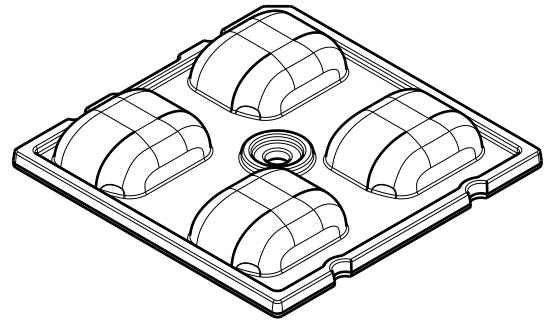
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
TL1L3	Asymmetric deg	Streetligh...	94 %	0.680	-
TL1L4	Asymmetric deg	Streetligh...	91 %	0.880	-
XT-E	Asymmetric deg	Streetligh...	94 %	1.000	-
LUXEON Q	Asym deg	Streetligh...	94 %	1.000	-
XM-L	Asymmetric deg	Streetligh...	94 %	0.700	-
NS9x383	Asymmetric deg	Streetligh...	94 %	0.600	-
XB-D	Asymmetric deg	Streetligh...	94 %	1.150	-
Fortimo FastFlex LED board 2x8/740 DA	Asymmetric deg	Streetligh...	94 %	1.100	-
XP-G2	Asymmetric deg	Streetligh...	94 %	1.100	-
XP-G	Asymmetric deg	Streetligh...	94 %	1.000	-
Oslon Square PC	Asymmetric deg	Streetligh...	94 %	1.000	-
LUXEON R	Asymmetric deg	Streetligh...	94 %	0.900	-
LUXEON Rebel ES	Asymmetric deg	Streetligh...	94 %	1.000	-
LUXEON T	Asym deg	Streetligh...	94 %	0.970	-
Z5P	Asymmetric deg	Streetligh...	94 %	1.000	-
LUXEON H50-2	sim: Asymmetri	Streetligh...	-	sim: 0.000	-
Z5M1/Z5M2	Asym deg	Streetligh...	94 %	0.800	-
NVSxx19B/NVSxx19C	Asym deg	Streetligh...	94 %	0.900	-
LUXEON MZ	Asym deg	Streetligh...	94 %	0.700	-
LUXEON TX	sim: Asym	Streetligh...	91 %	0.750	-
XM-L2	Asym deg	Streetligh...	94 %	0.700	-
H35C1 (LEMWA33)	Asymmetric deg	Streetligh...	94 %	0.900	-
LUXEON Z ES	Asymmetric deg	Streetligh...	94 %	1.400	-
XP-E2	Asymmetric deg	Streetligh...	94 %	1.300	-
XQ-E	sim: Asymmetri	Streetligh...	sim: 90 %	sim: 0.000	-

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4



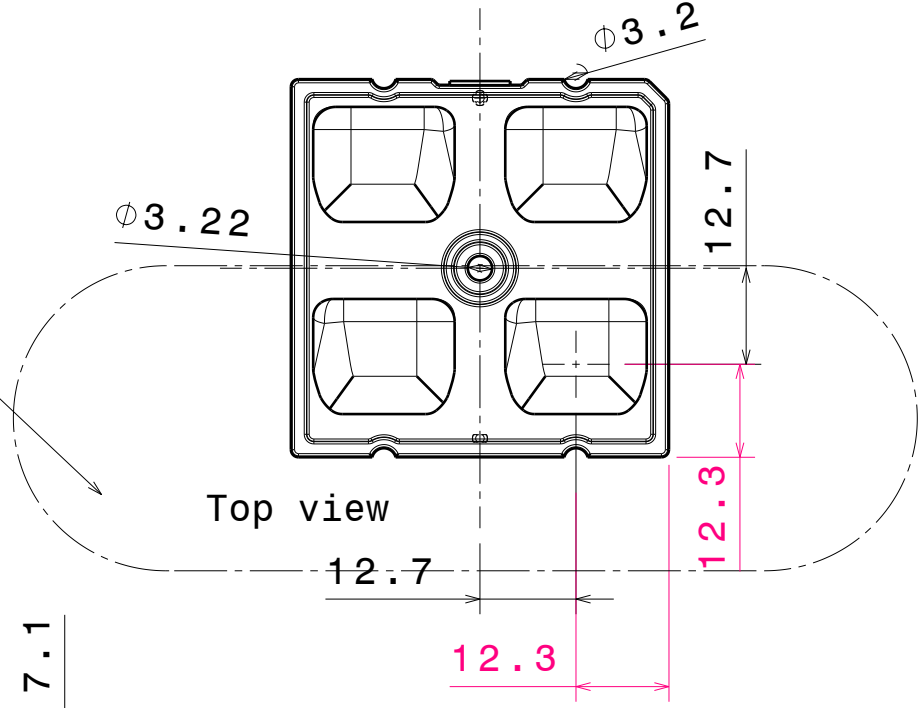
Bottom view



Isometric view

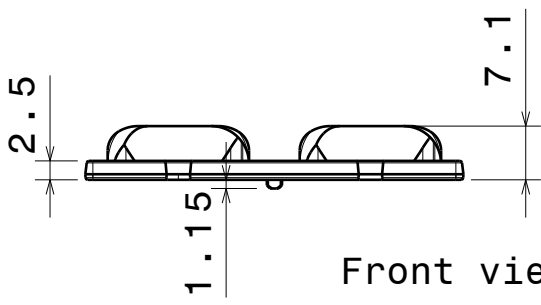
3

Beam Direction



Top view

2



Front view

4

3

2

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C13299	STRADA-2X2-ME	PMMA 8N	TRANSPARENT

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  
**C13299\_STRADA-2X2-ME**

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SIZE	PART NUMBER
A4	C13299

SCALE	1:1	WEIGHT	SHEET	1/1
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1

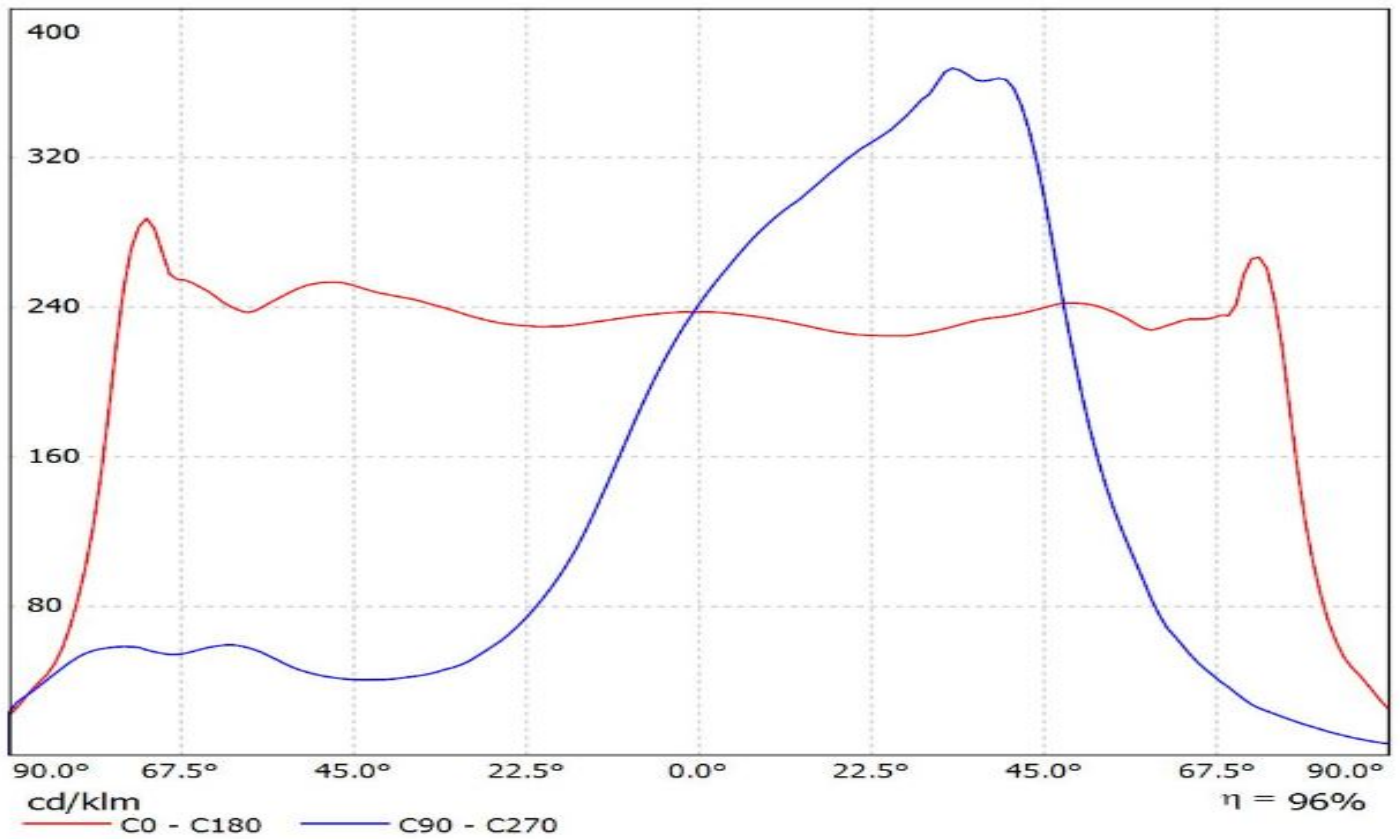
1

D A

# Ledil C13299\_STRADA-2X2-ME\_(TL1L3) / LDC (Linear)

Luminaire: Ledil C13299\_STRADA-2X2-ME\_(TL1L3)

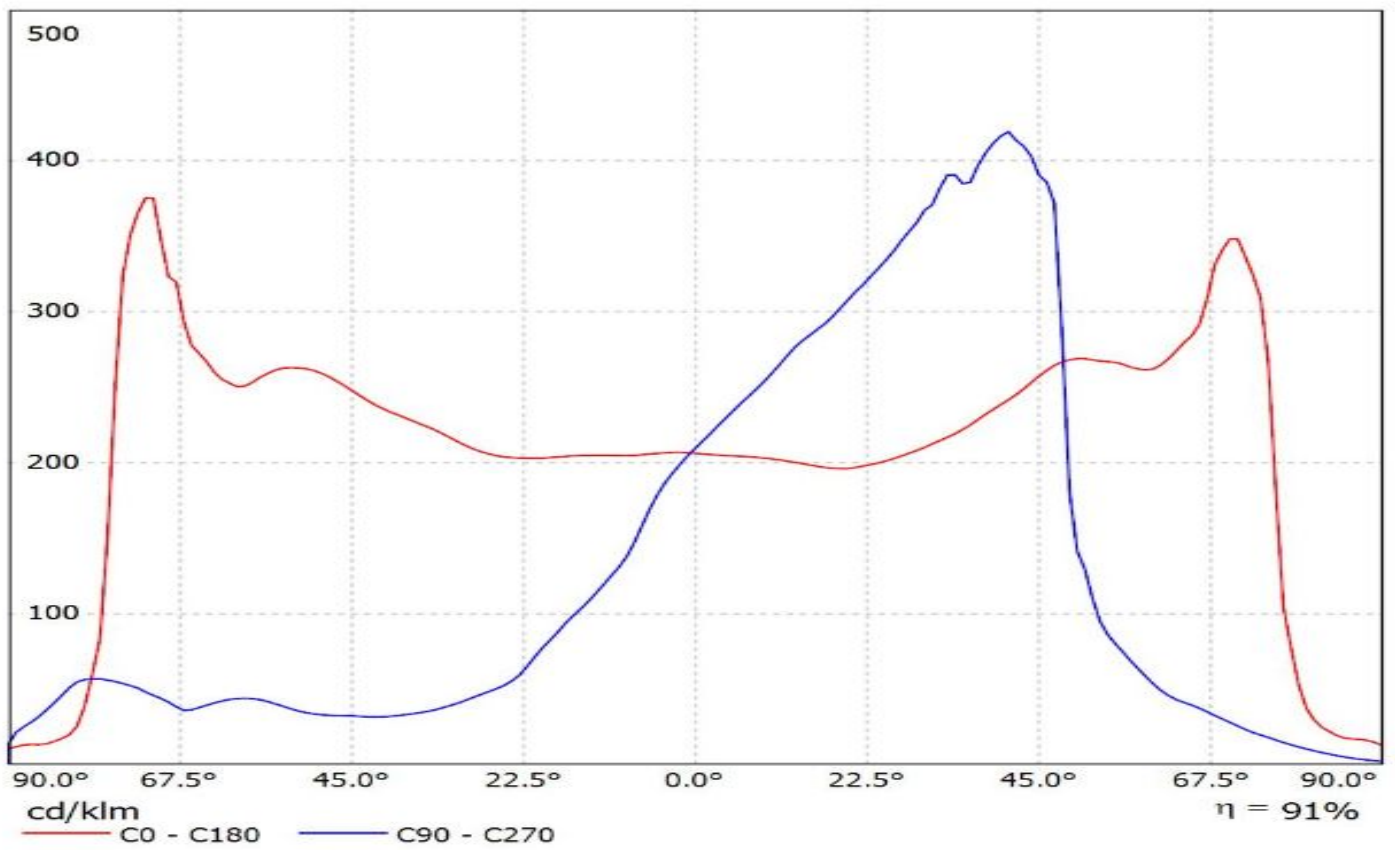
Lamps: 1 x Toshiba\_TL1L3\_2x2\_(TL1L3-NW1.L)\_387.773lm@250mA\_CCT=5000K\_P=2.829W\_I=0.25A



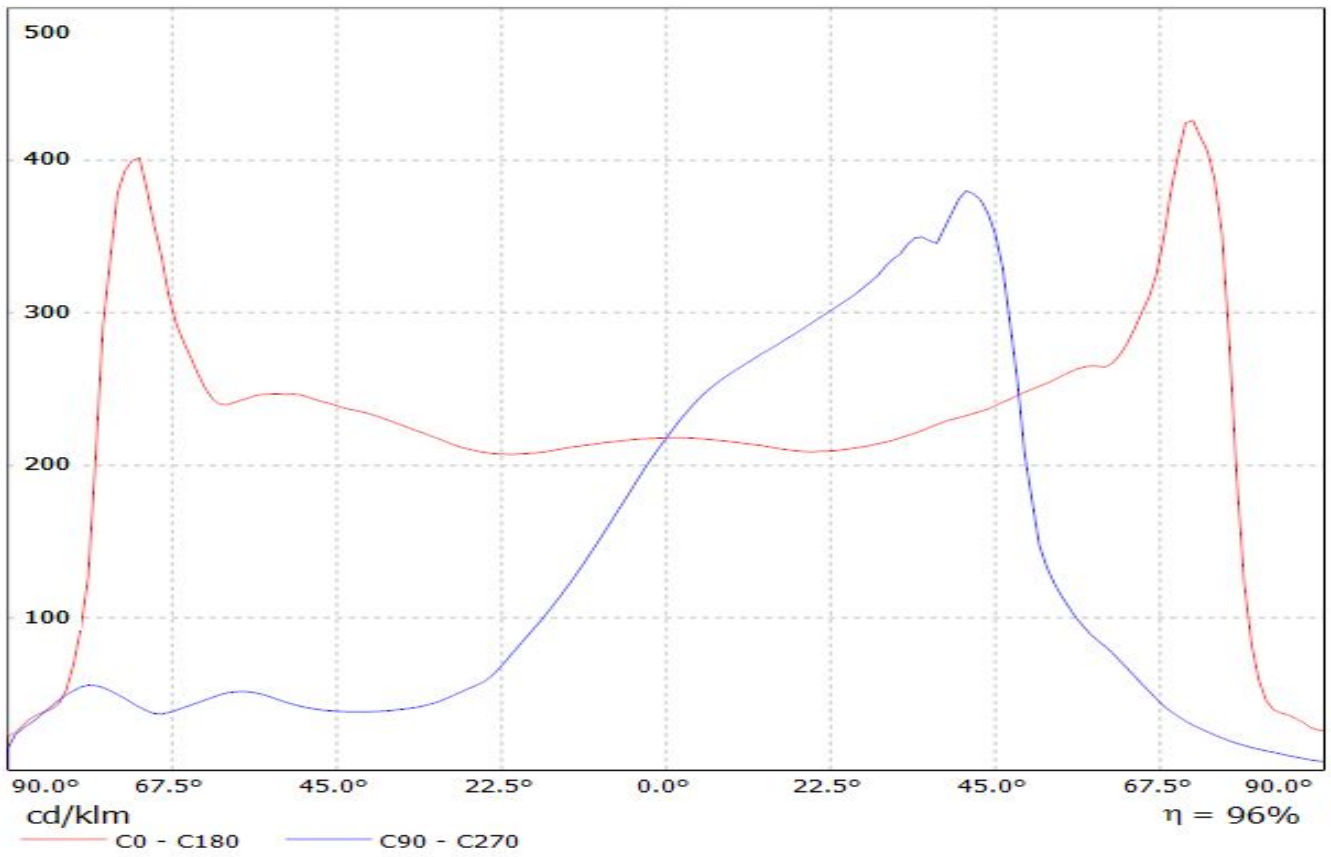
# Ledil C13299\_STRADA-2X2-ME\_(TL1L4) / LDC (Linear)

Luminaire: Ledil C13299\_STRADA-2X2-ME\_(TL1L4)

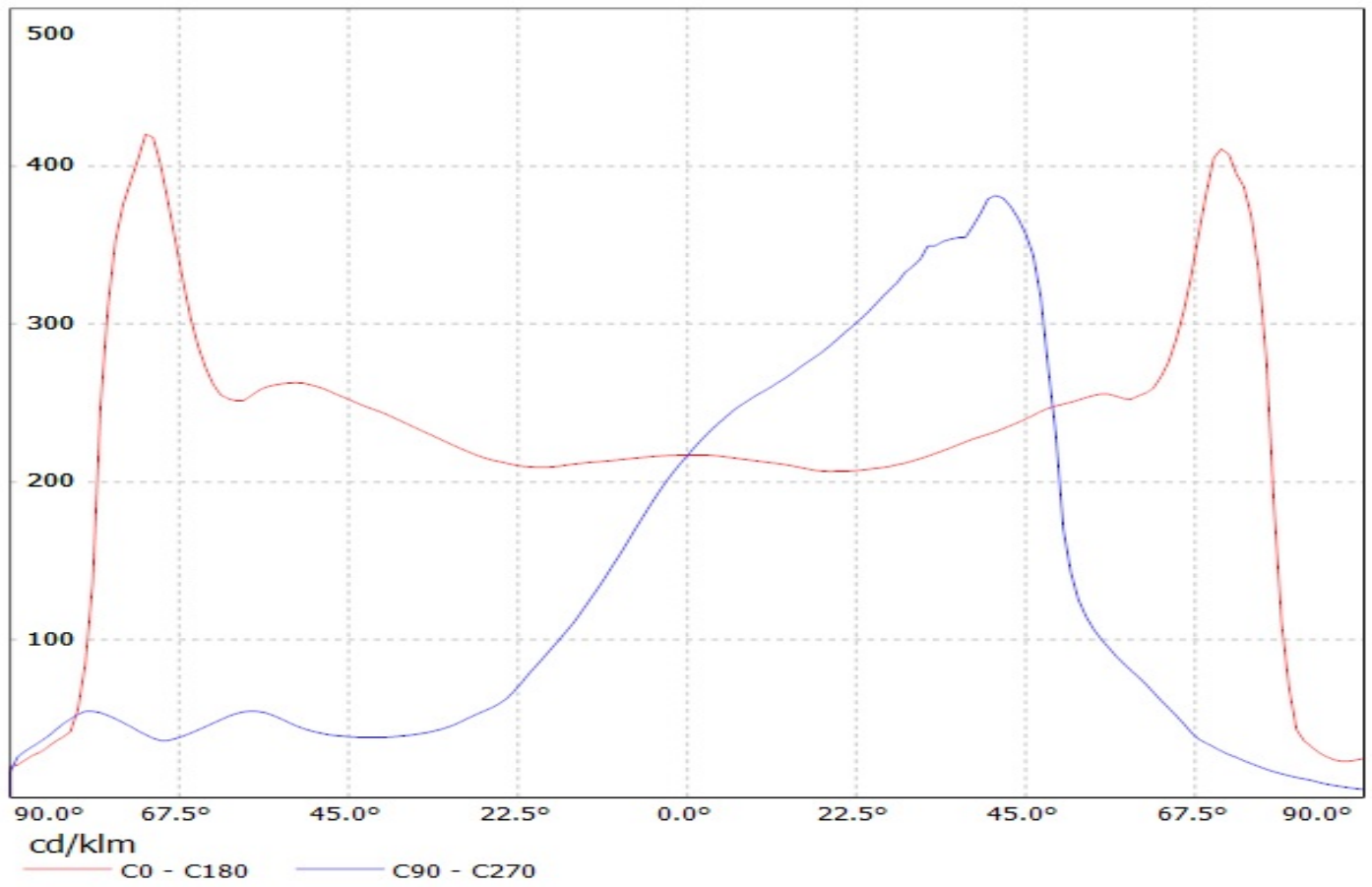
Lamps: 1 x Toshiba\_TL1L4\_2x2\_(TL1L4-DW0)\_472.639lm@250mA\_CCT=6500K\_P=2.9W\_I=0.25A



Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XT-E)\_3 Eff.94.0%  
Lamps: 1 x CREE\_XT-E\_385.199lm@250mA\_CCT=5717K

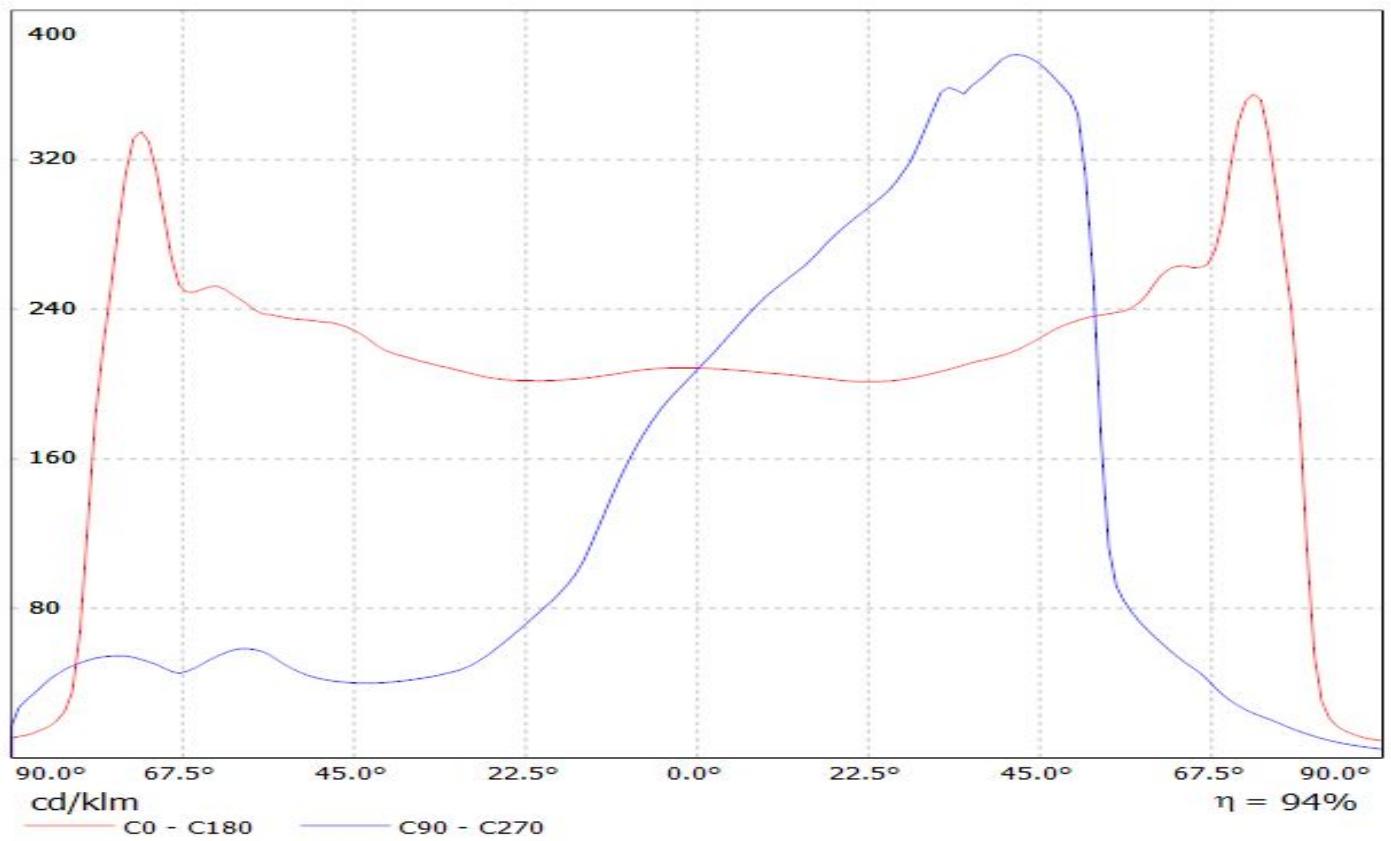


Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(LUXEON\_Q)  
Lamps: 1 x LUXEON\_Q\_2x2\_(LHQ-3080)\_298.615lm@250mA\_P=2.86995W\_I=249.8mA



# LEDiL Oy C13299\_STRADA-2X2-ME\_(XM-L) Eff.94.0% / LDC (Linear)

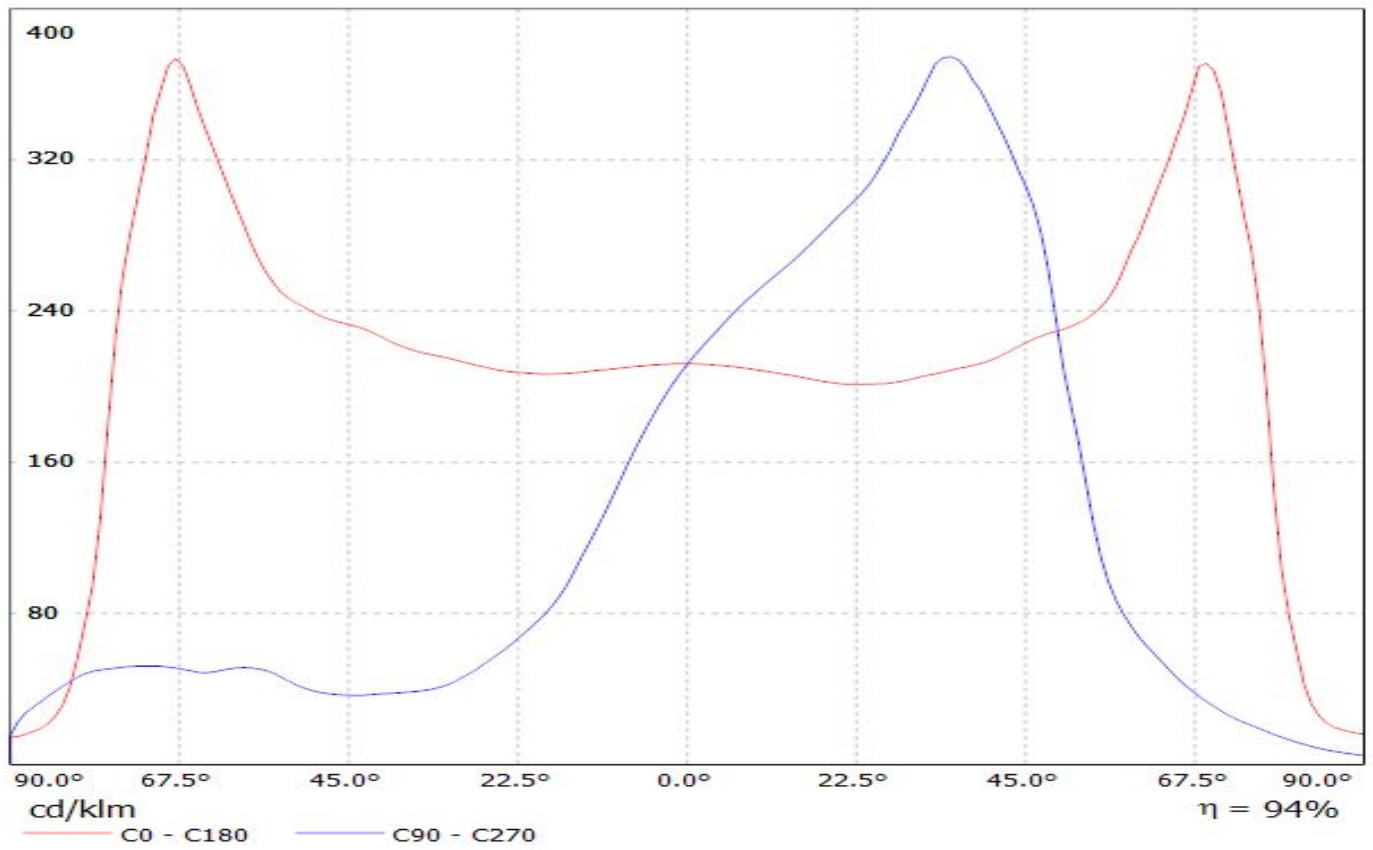
Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XM-L) Eff.94.0%  
Lamps: 1 x XM-L\_2x2\_360.4lm@250mA\_P=2.82462W\_I=249.9mA



# LEDiL Oy C13299\_STRADA-2X2-ME\_(N383) Eff.94.0% / LDC (Linear)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(N383) Eff.94.0%

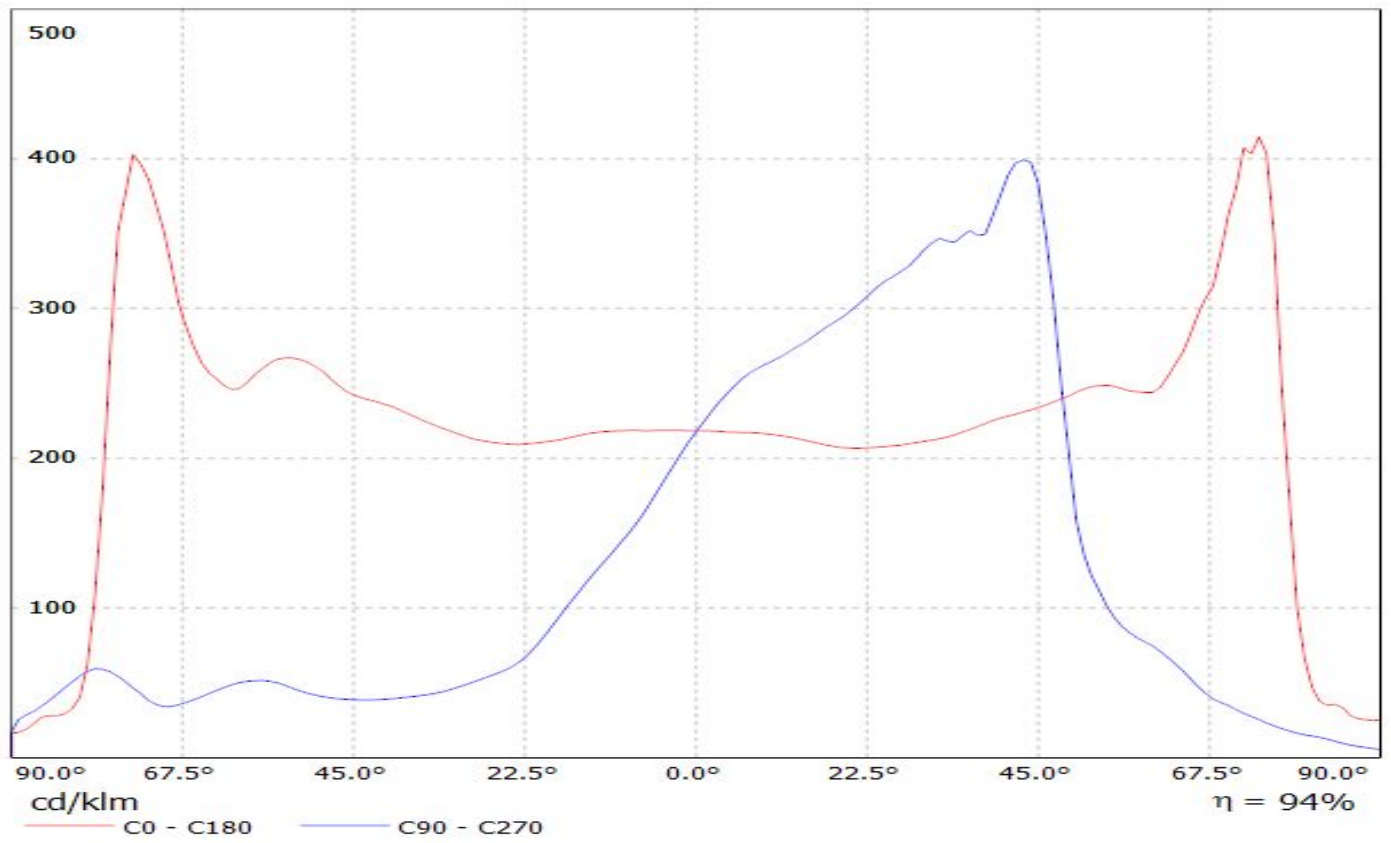
Lamps: 1 x NICHIA\_N383\_2x2\_(NS9W383T)\_376.958lm@250mA\_P=2.88194W\_I=249.9mA



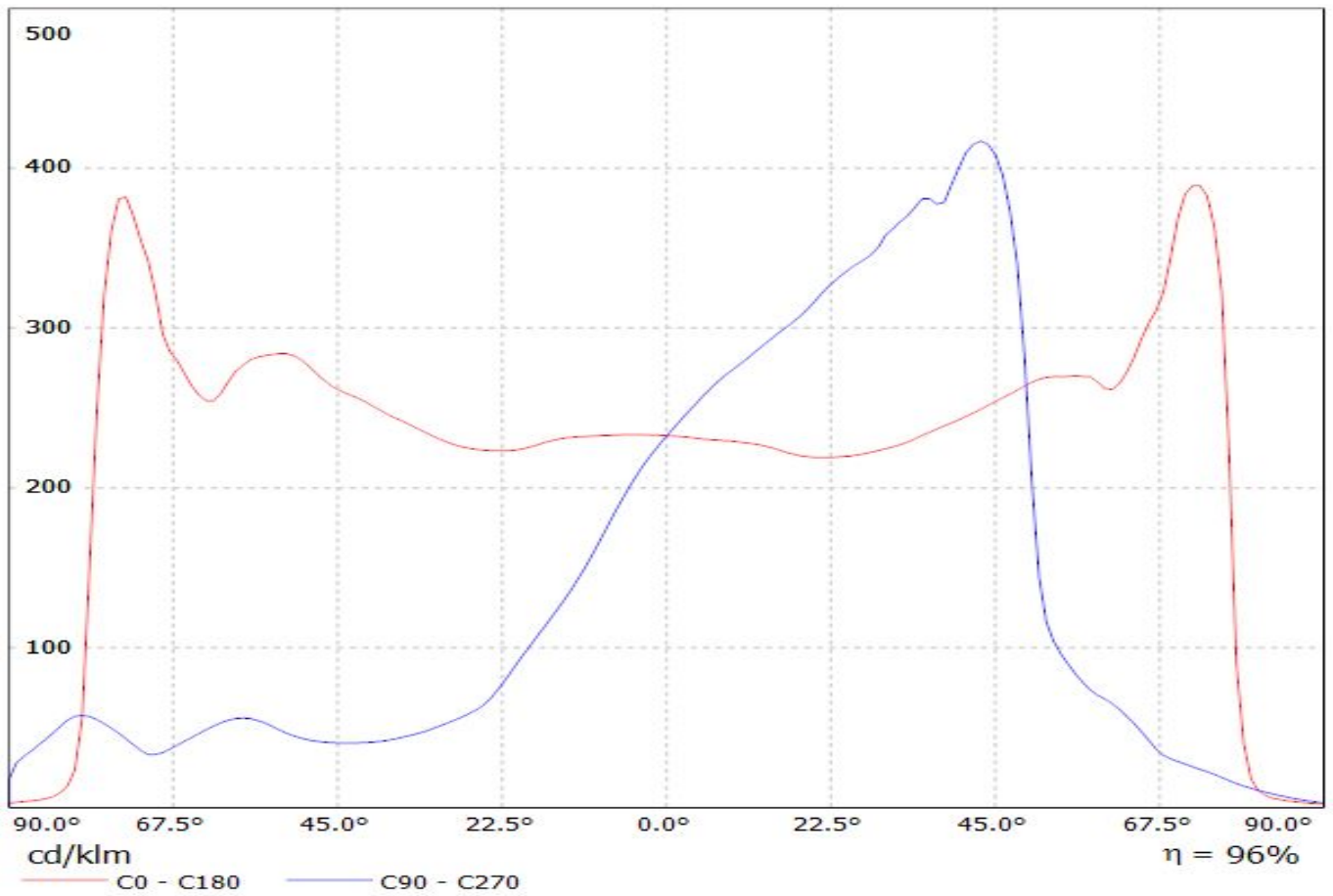


# LEDiL Oy C13299\_STRADA-2X2-ME\_(XB-D) Eff.94.0% / LDC (Linear)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XB-D) Eff.94.0%  
Lamps: 1 x XB-D\_2x2\_368.85lm@250mA\_P=3.06227W\_I=249.9mA

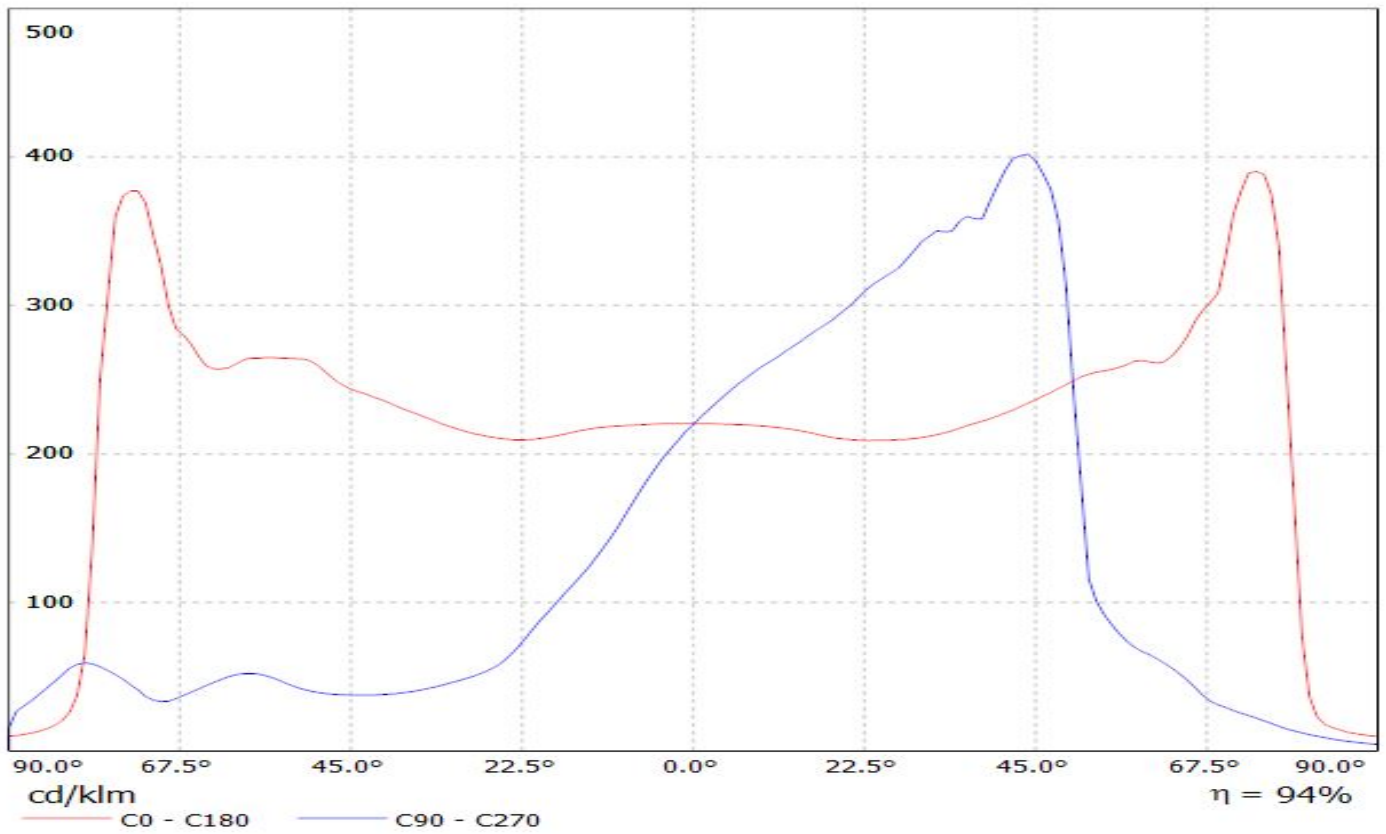


Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(Fortimo\_F-Flex\_2x8\_740DAG3)  
Lamps: 1 x Philips\_Fortimo\_F-Flex\_2x8\_740DAG3\_1786.86lm@250mA\_P=11.6092W\_I=0.2498A



# LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-G2) Eff.94.0% / LDC (Linear)

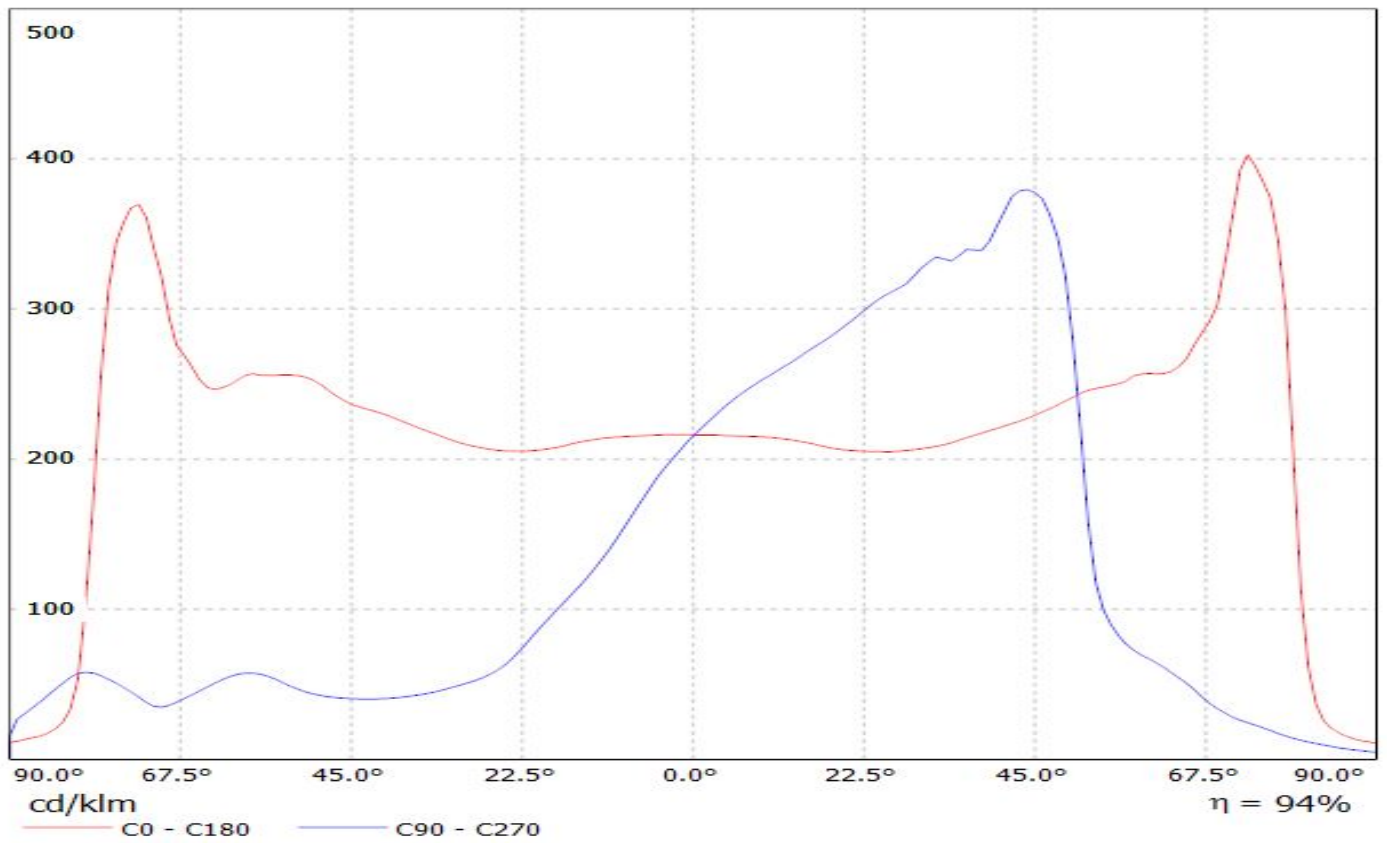
Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-G2) Eff.94.0%  
Lamps: 1 x XP-G2\_2x2\_(XPGBWT-L1-000-00G51)  
\_418.9lm@250mA\_CCT=7181K\_P=2.93358W\_I=249.9mA



# LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-G) / LDC (Linear)

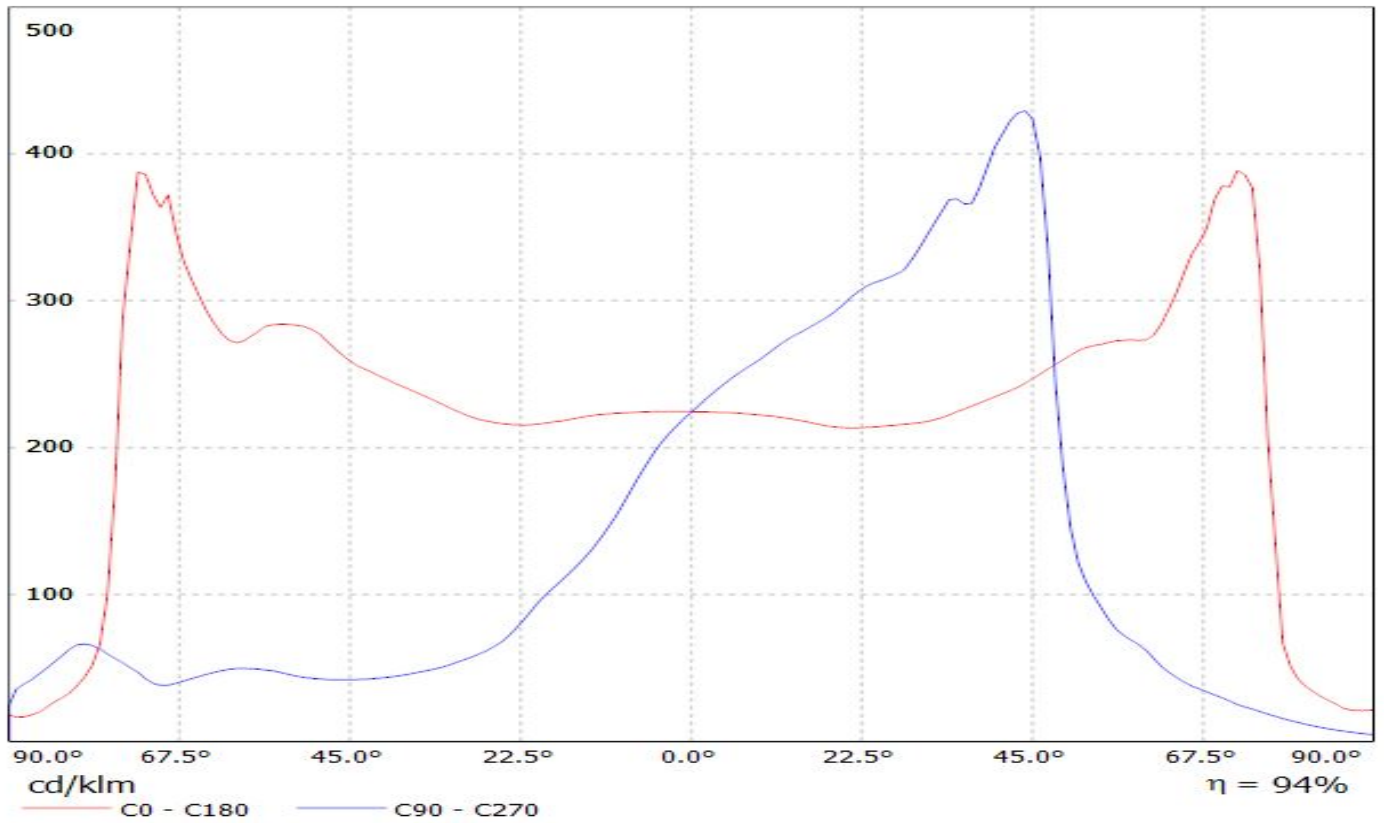
Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-G)

Lamps: 1 x XP-G\_2x2\_258.35lm@250mA\_P=2.88734W\_I=249.9mA



**LEDiL Oy C13299\_STRADA-2X2-ME\_(SQ-PC) Eff.94.0% / LDC (Linear)**

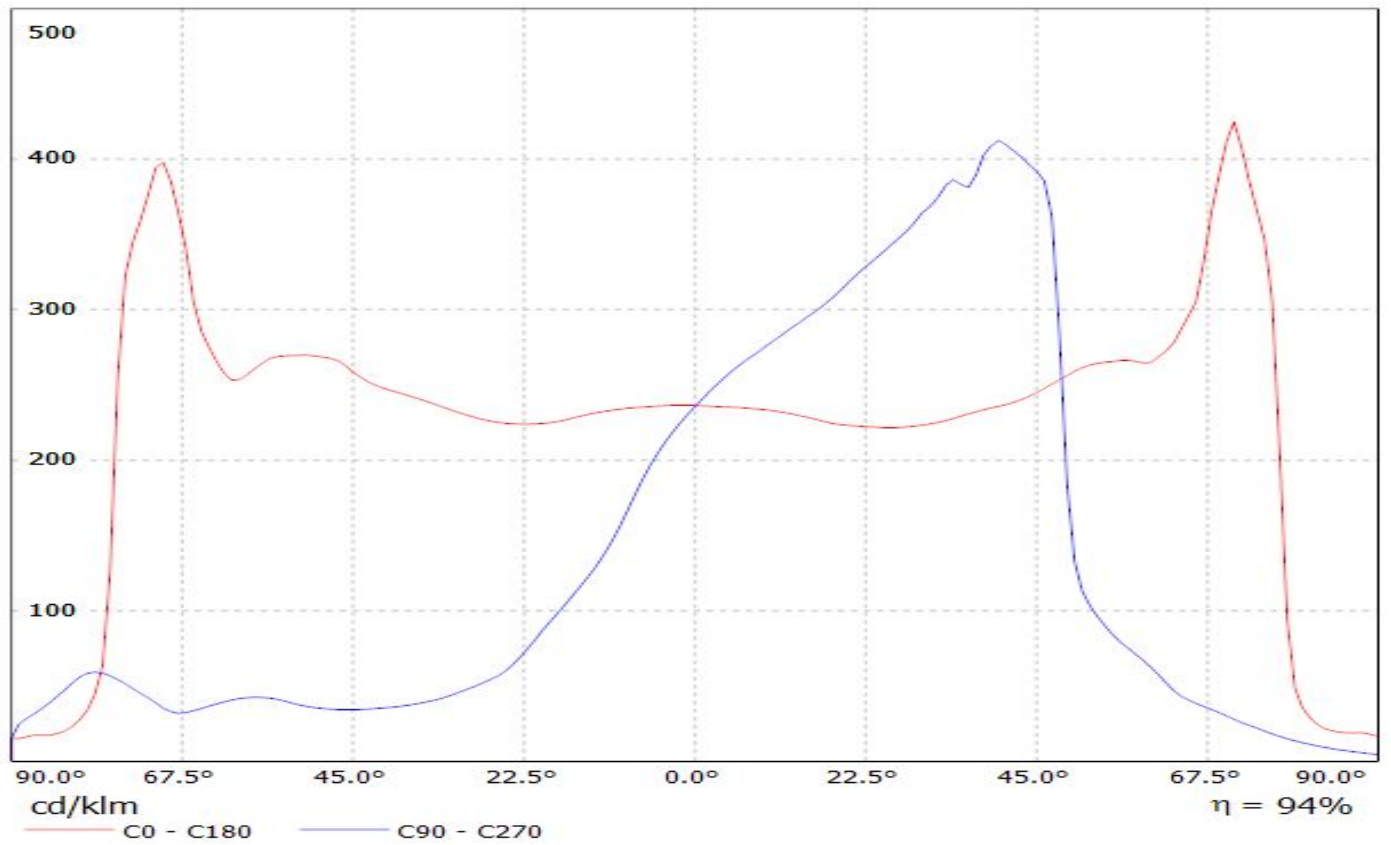
Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(SQ-PC) Eff.94.0%  
Lamps: 1 x SQ-PC\_2x2\_(LCW-CQAR.PC-MSMU-5H71-1)\_400.75lm@250mA\_CCT=?  
K\_P=2.96681W\_J=249.9mA



# LEDiL Oy C13299\_STRADA-2X2-ME\_(Luxeon-R) Eff.94.0% / LDC (Linear)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(Luxeon-R) Eff.94.0%

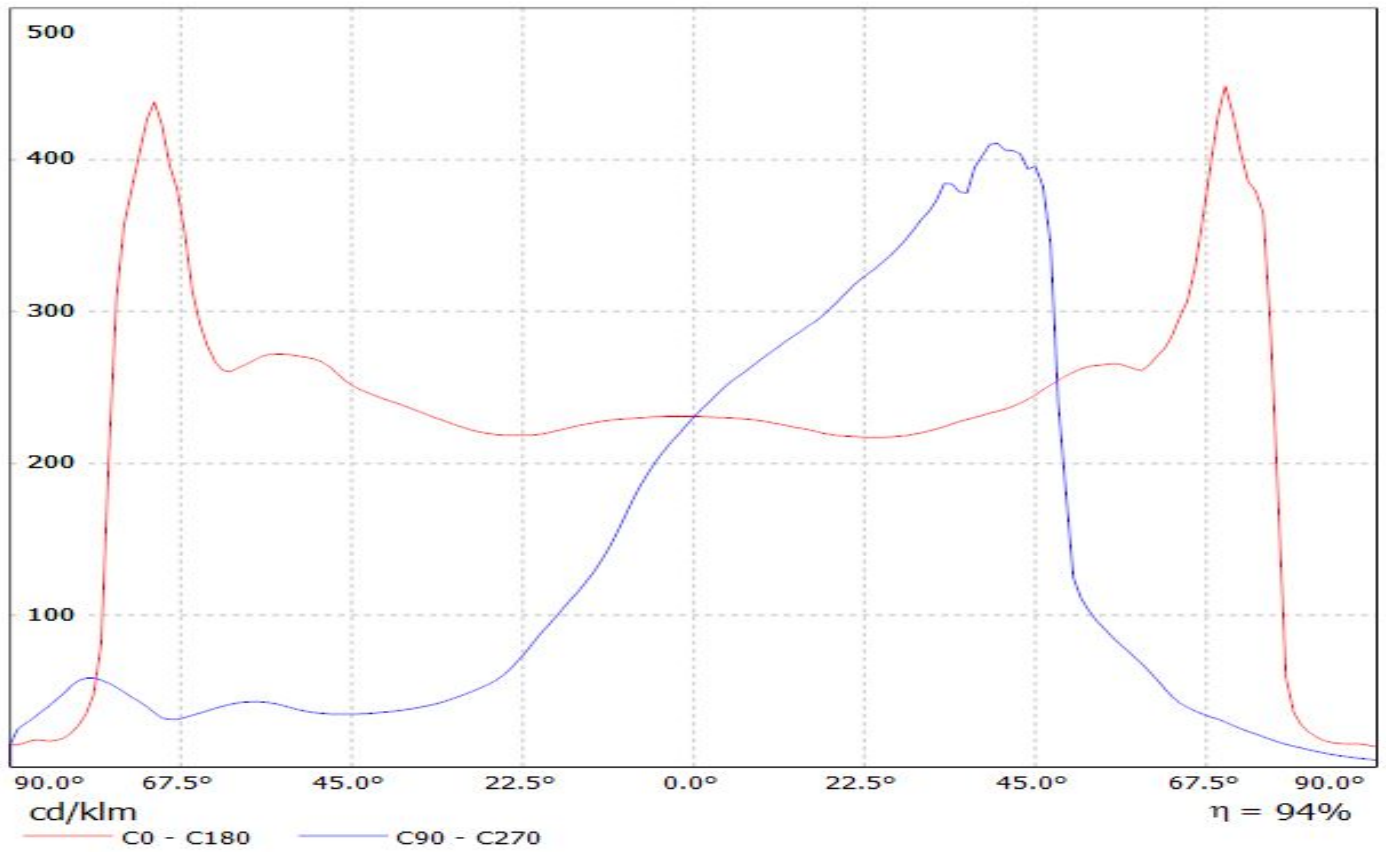
Lamps: 1 x Luxeon\_R\_2x2\_(LXA7-PW30)\_314.75lm@250mA\_P=2.77914W\_I=249.9mA



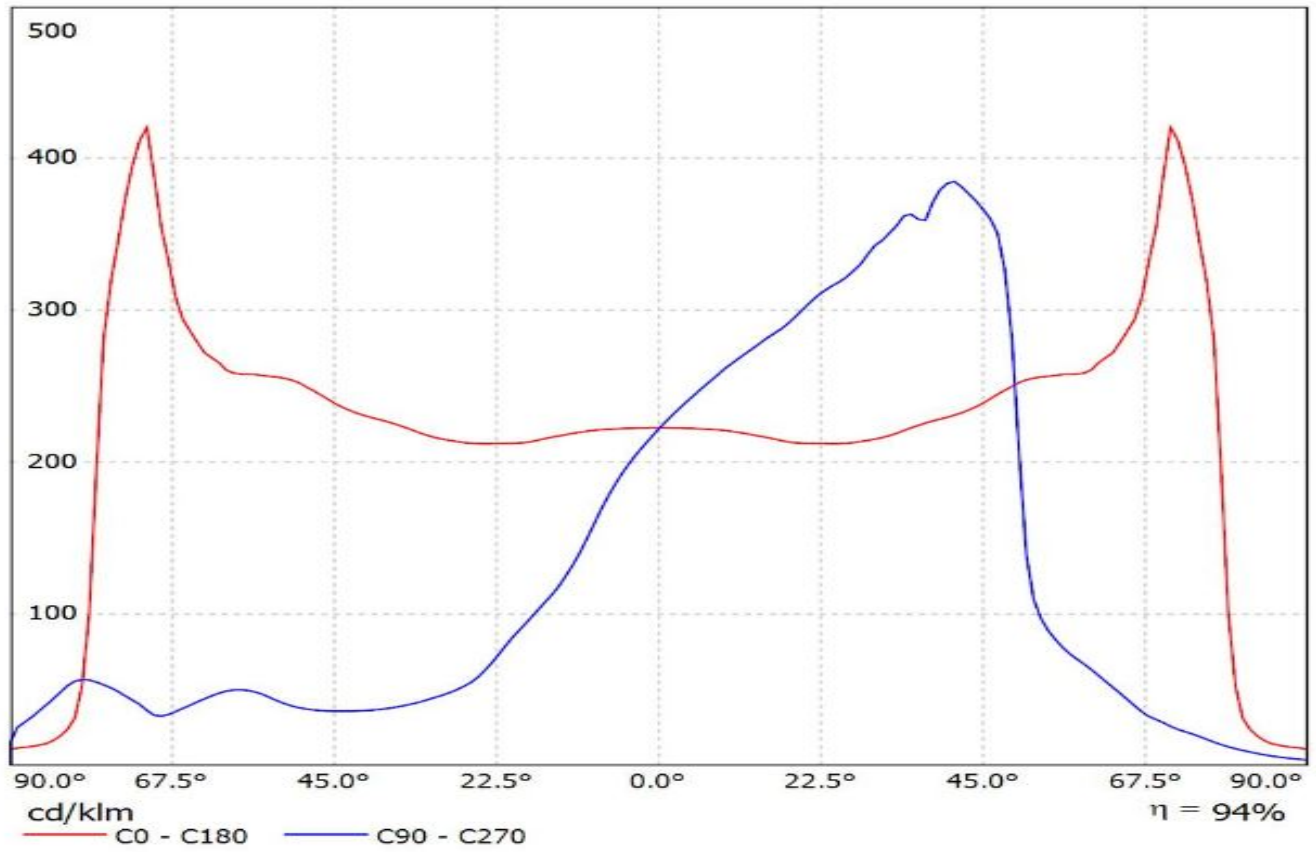
# LEDiL Oy C13299\_STRADA-2X2-ME\_(Rebel-ES) Eff.94.0% / LDC (Linear)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(Rebel-ES) Eff.94.0%

Lamps: 1 x Luxeon\_Rebel-ES\_2x2\_341.5lm@250mA\_P=2.86485W\_I=249.9mA



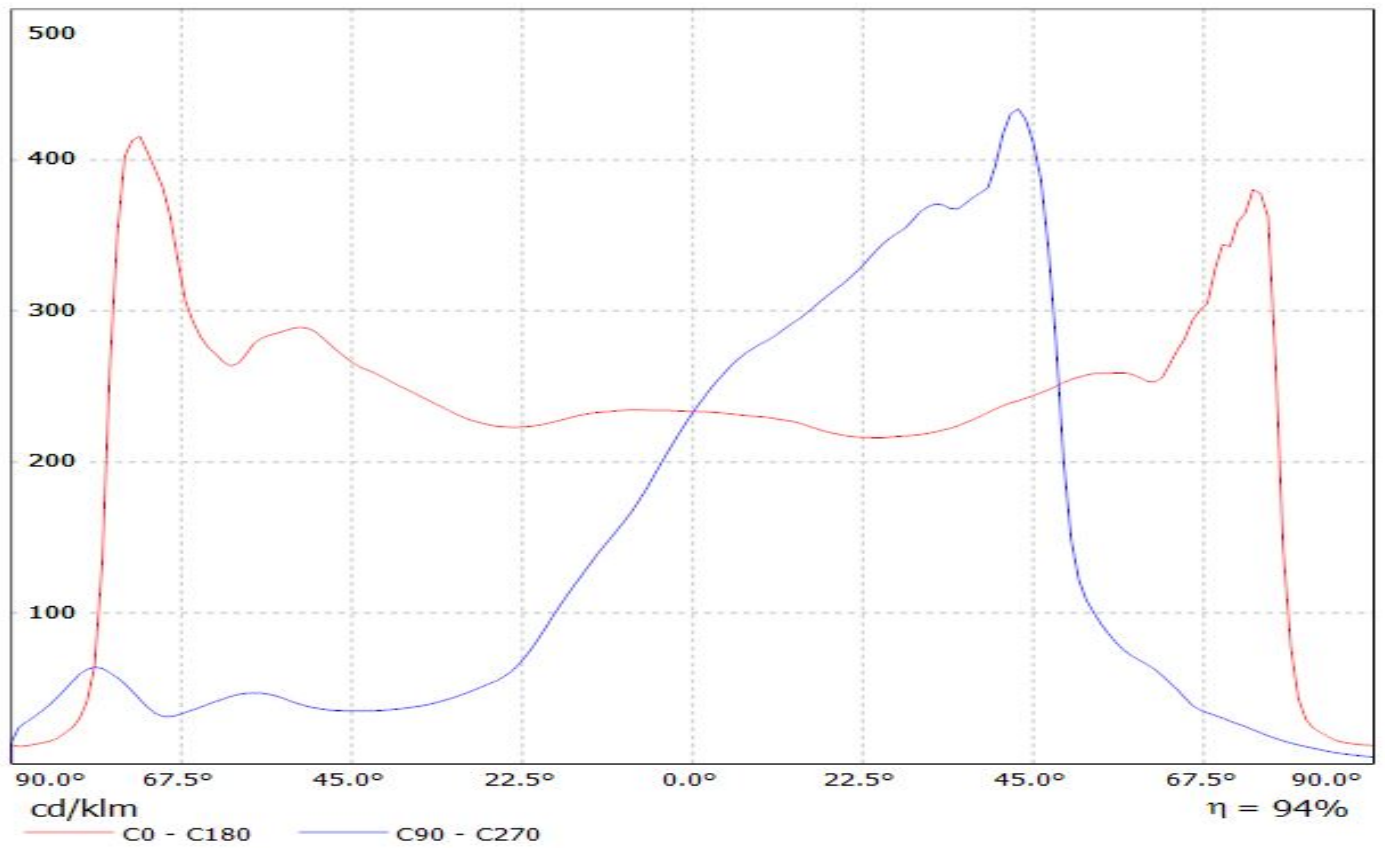
Luminaire: LEDiL Oy C13299\_STRADA-2x2-ME\_(Luxeon\_T)  
Lamps: 1 x Luxeon T (LXH8-FW30-3) 303lm@250mA P=2.80138W I=0.2499A



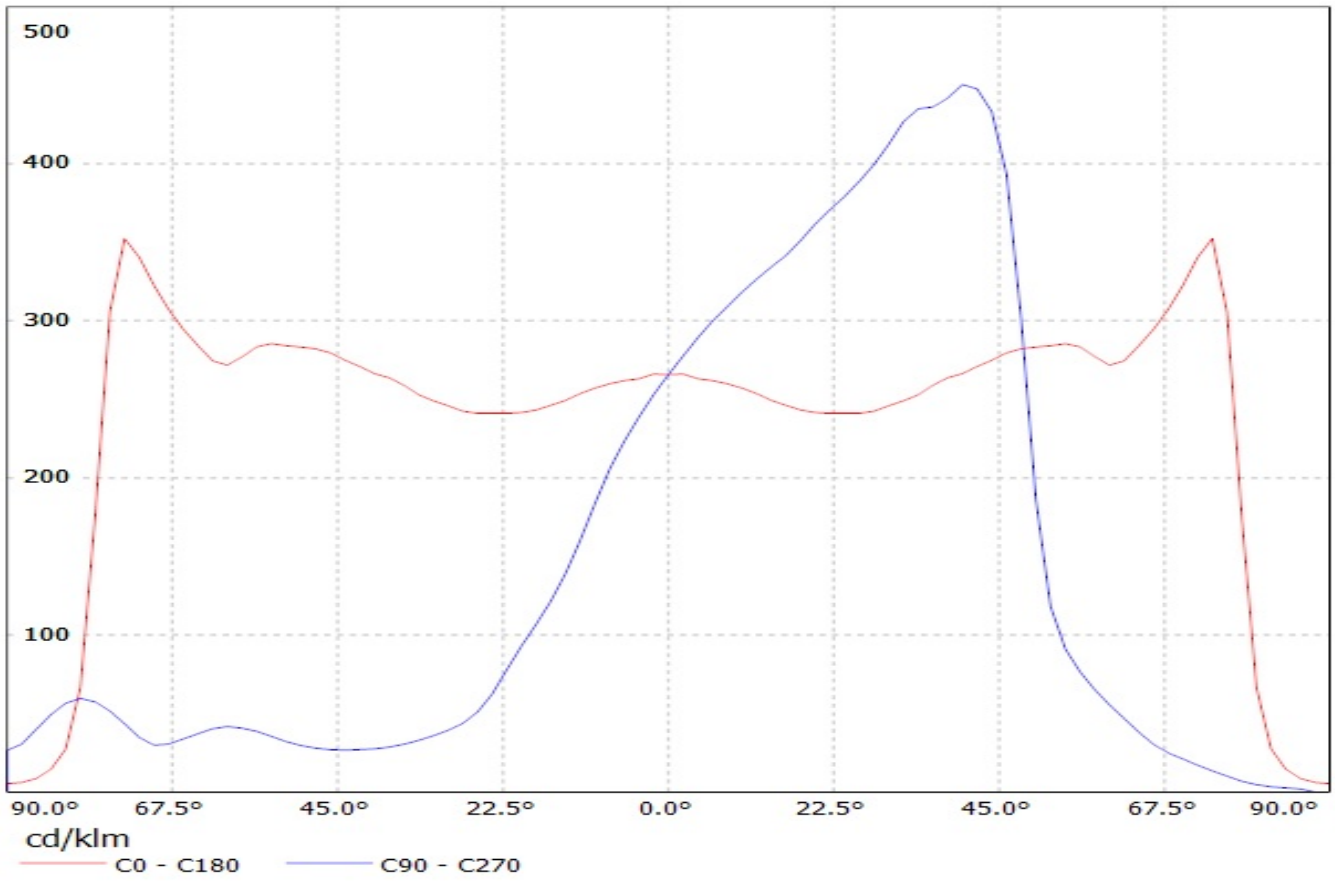


# LEDiL Oy C13299\_STRADA-2X2-ME\_(Z5P) Eff.94.0% / LDC (Linear)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(Z5P) Eff.94.0%  
Lamps: 1 x Seoul\_Z5P\_2x2\_290.05lm@250mA\_P=3.6208W\_I=249.9mA

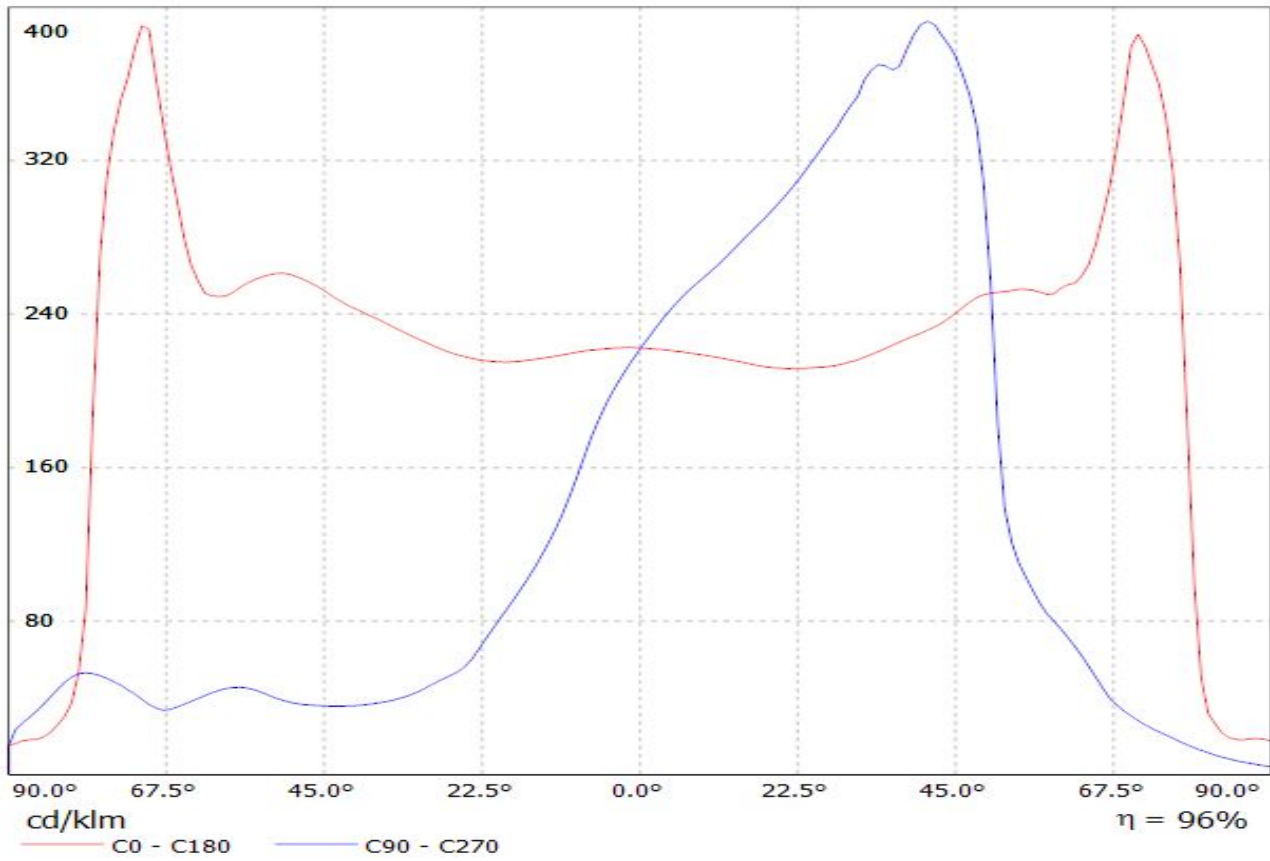


Luminaire: LEDil Oy C13299\_STRADA-2X2-ME\_(Z5M1) Efficiency=94%  
Lamps: 1 x Seoul Z5M1 (SZ5-M1-WN-C8) 379lm @ 250mA CCT=4600K P=2.9W I=250mA

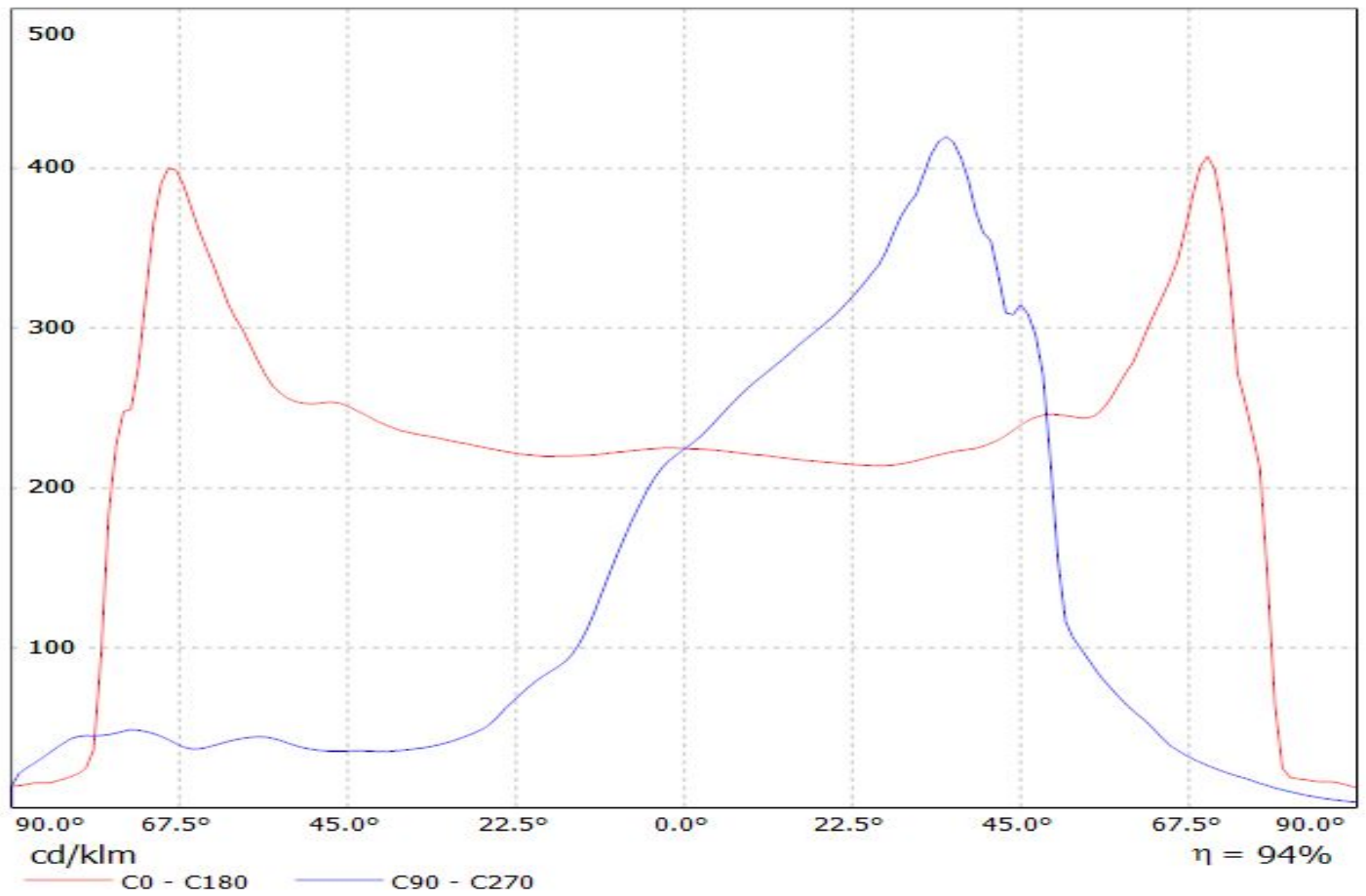


Luminaire: LEDiL Oy C13299\_STRADA-2x2-ME\_(NVSxx19B)

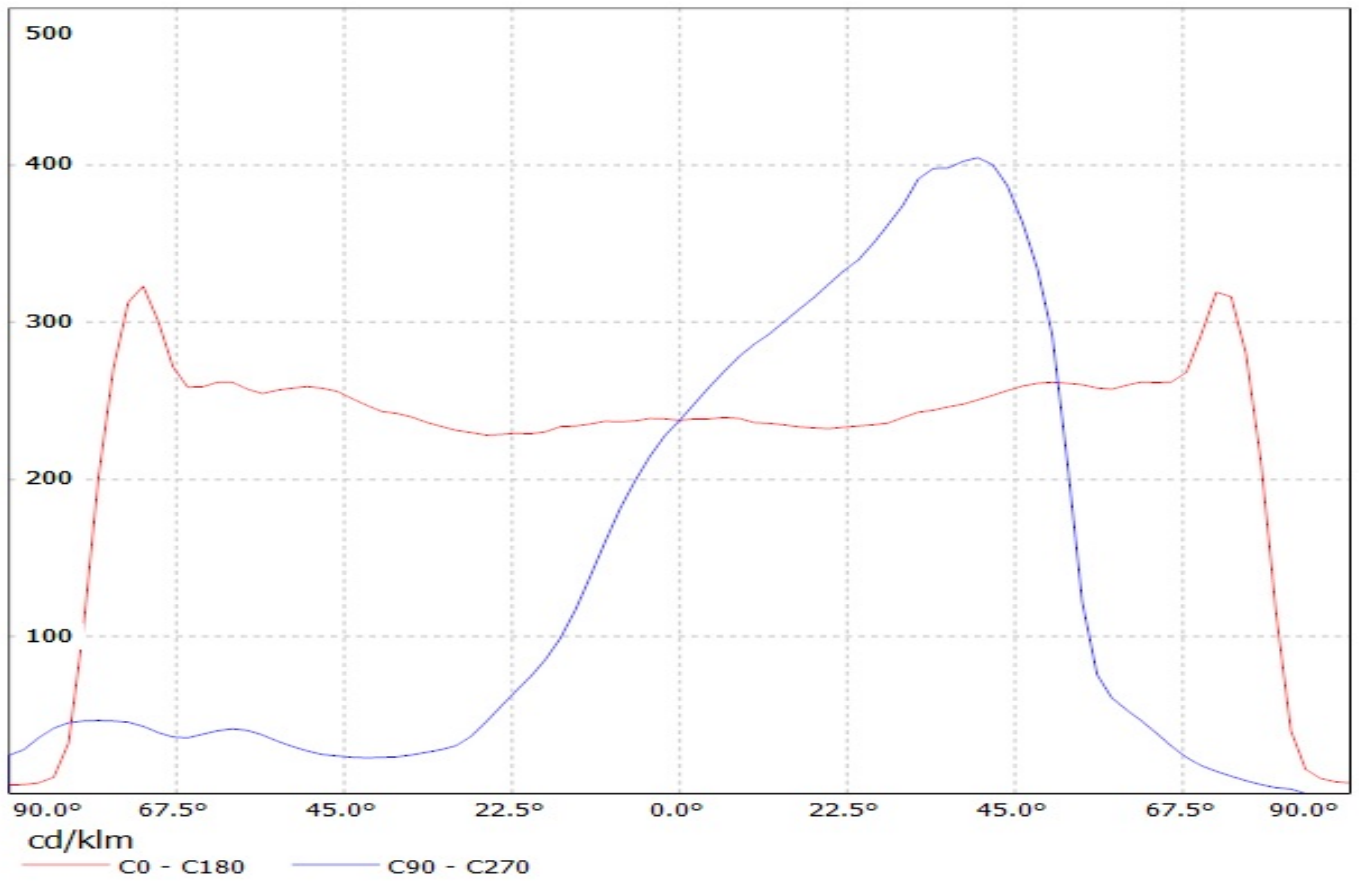
Lamps: 1 x Nichia\_NVsxx19B\_2x2\_(NVSL219BE)\_310.219lm@250mA\_CCT=3071K\_P=2.87735W\_I=249.9mA



Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(LUXEON\_MZ) Eff.94.0%  
Lamps: 1 x LUXEON\_MZ\_2x2\_(LMZ7-QW57)\_419.8lm@250mA\_P=2.71916W\_CCT=5700K\_I=249.9mA

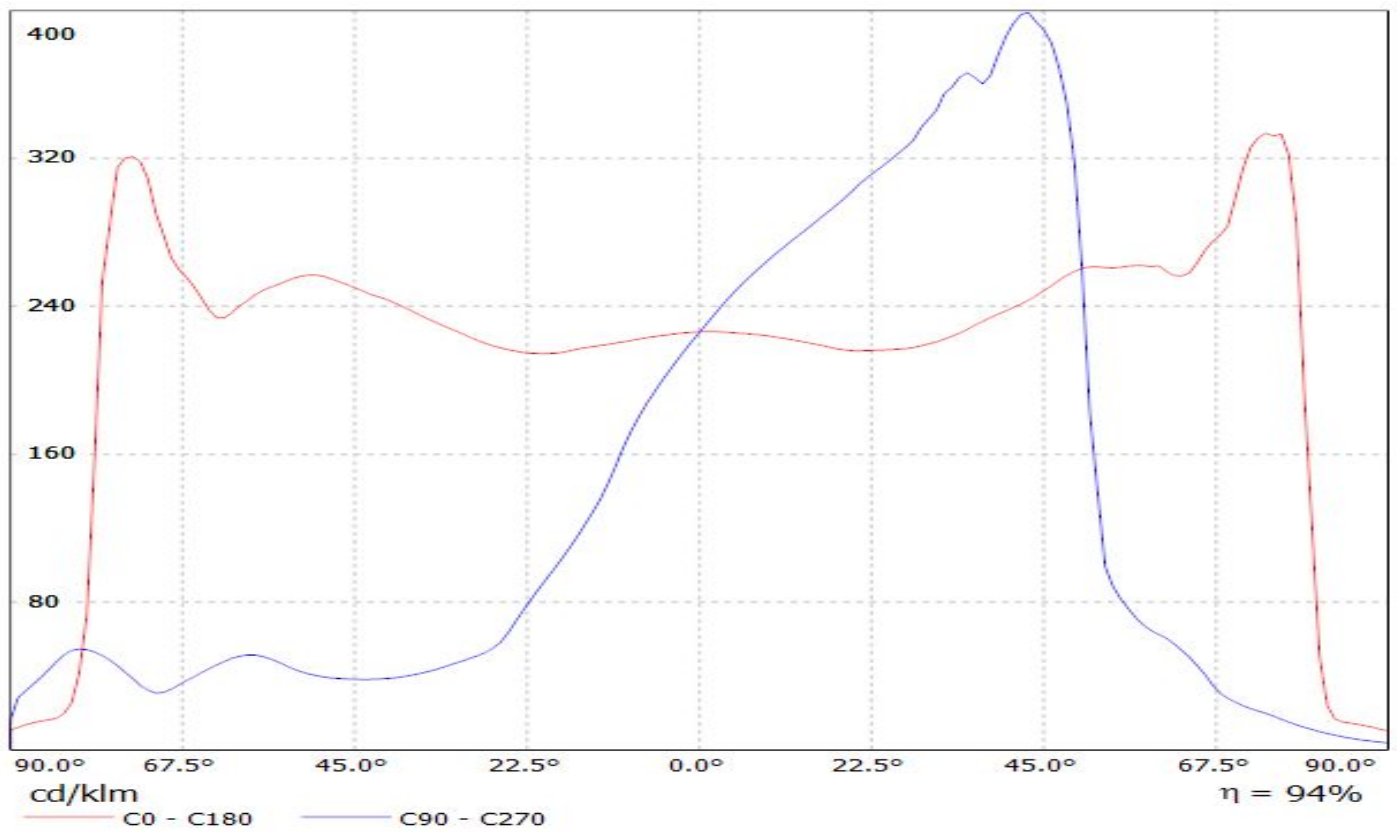


Luminaire: LEDil Oy C13299\_STRADA-2X2-ME\_(XM-L2) Efficiency=94%  
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 356lm @ 250mA CCT=3200K P=2.8W I=250mA

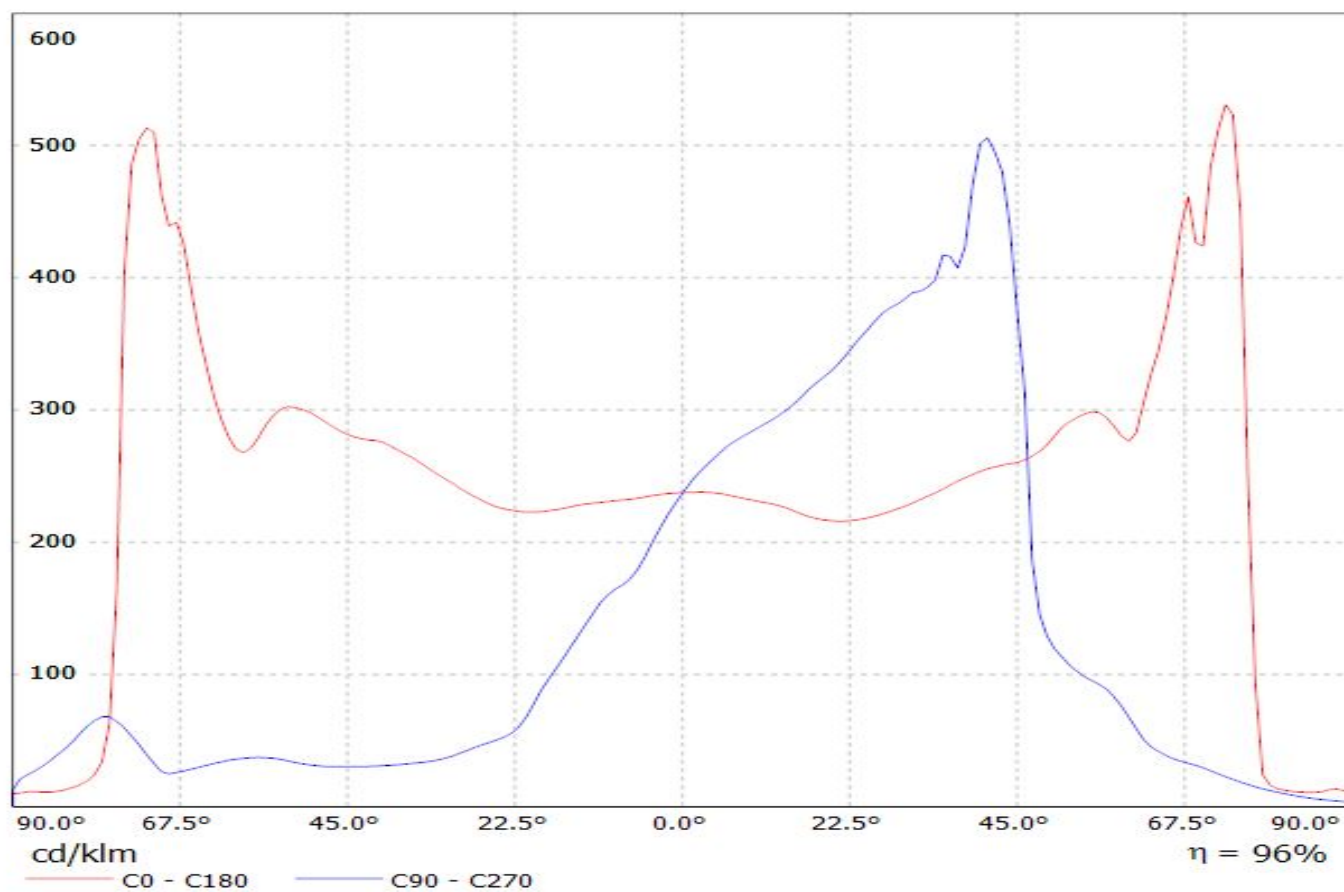


**LEDiL Oy C13299\_STRADA-2X2-ME\_(LG-3535-CERAMIC-GEN2) Eff.94.0% /  
LDC (Linear)**

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(LG-3535-CERAMIC-GEN2) Eff.94.0%  
Lamps: 1 x LG-3535-CERAMIC-GEN2\_2x2\_475.9lm@250mA\_P=2.8651W\_CCT=6562K\_I=249.9mA



Luminaire: LEDiL Oy C13299\_STRADA-2x2-ME\_(Luxeon\_Z\_ES) Eff. 94%  
Lamps: 1 x Luxeon\_Z\_ES\_2x2\_(LXZ2-3090)\_210.126lm@250mA\_P=2.81862W\_I=249.9mA

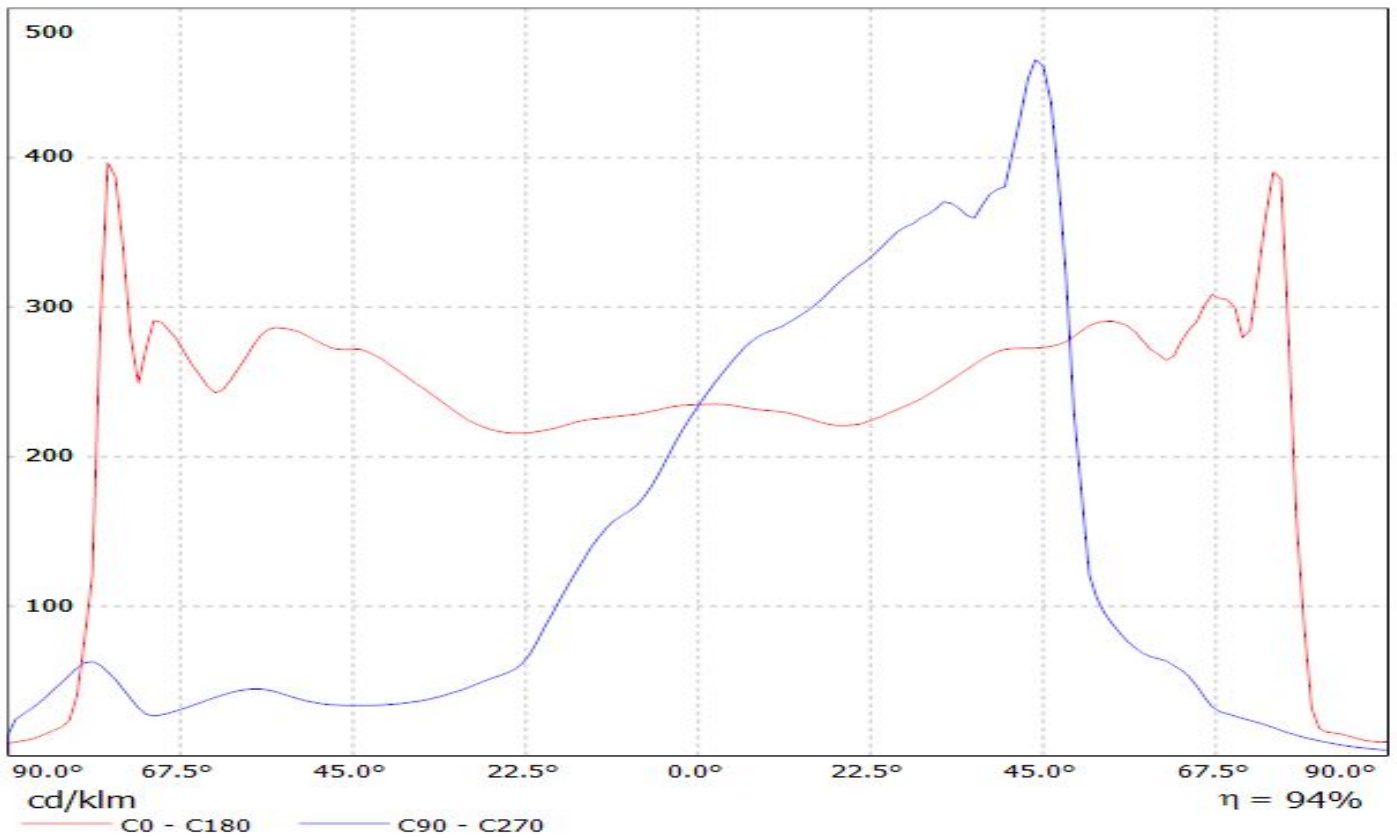


# LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-E2) Eff.94.0% / LDC (Linear)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-E2) Eff.94.0%

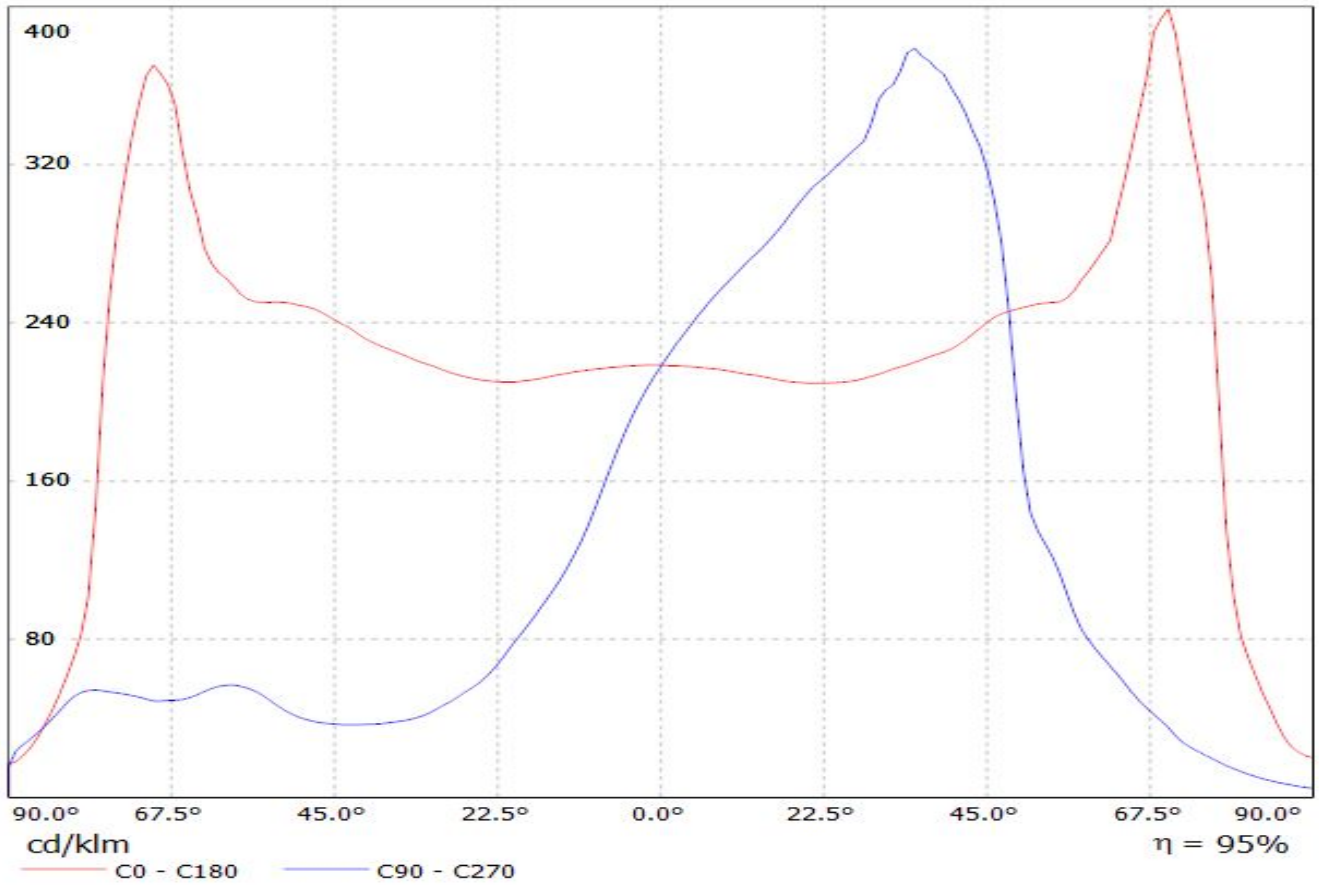
Lamps: 1 x CREE\_XP-E2\_2x2\_(XPEBWT-L1-7B4-Q4-0-01)

\_341.05lm@250mA\_P=2.92366W\_I=249.8mA





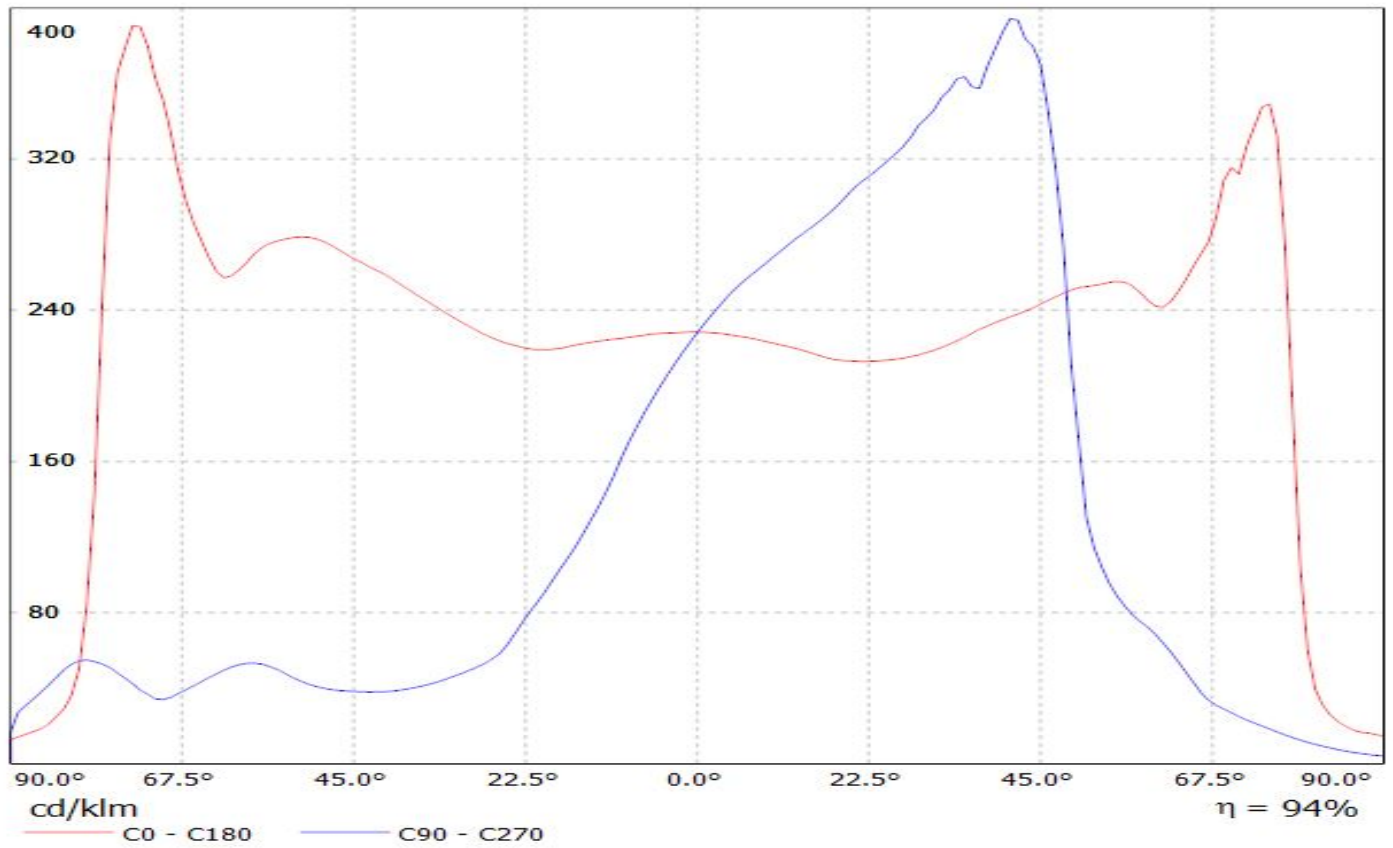
Luminaire: LEDiL Oy C13299\_STRADA-2x2-ME\_(MJT4040) Eff. 94%  
Lamps: 1 x SEOUL ACHRICH MJT4040 (SAW09H0A) 255lm@40mA P=2.37W I=40mA



**LEDiL Oy C13299\_STRADA-2X2-ME\_(Z5M) Eff.94.0% / LDC (Linear)**

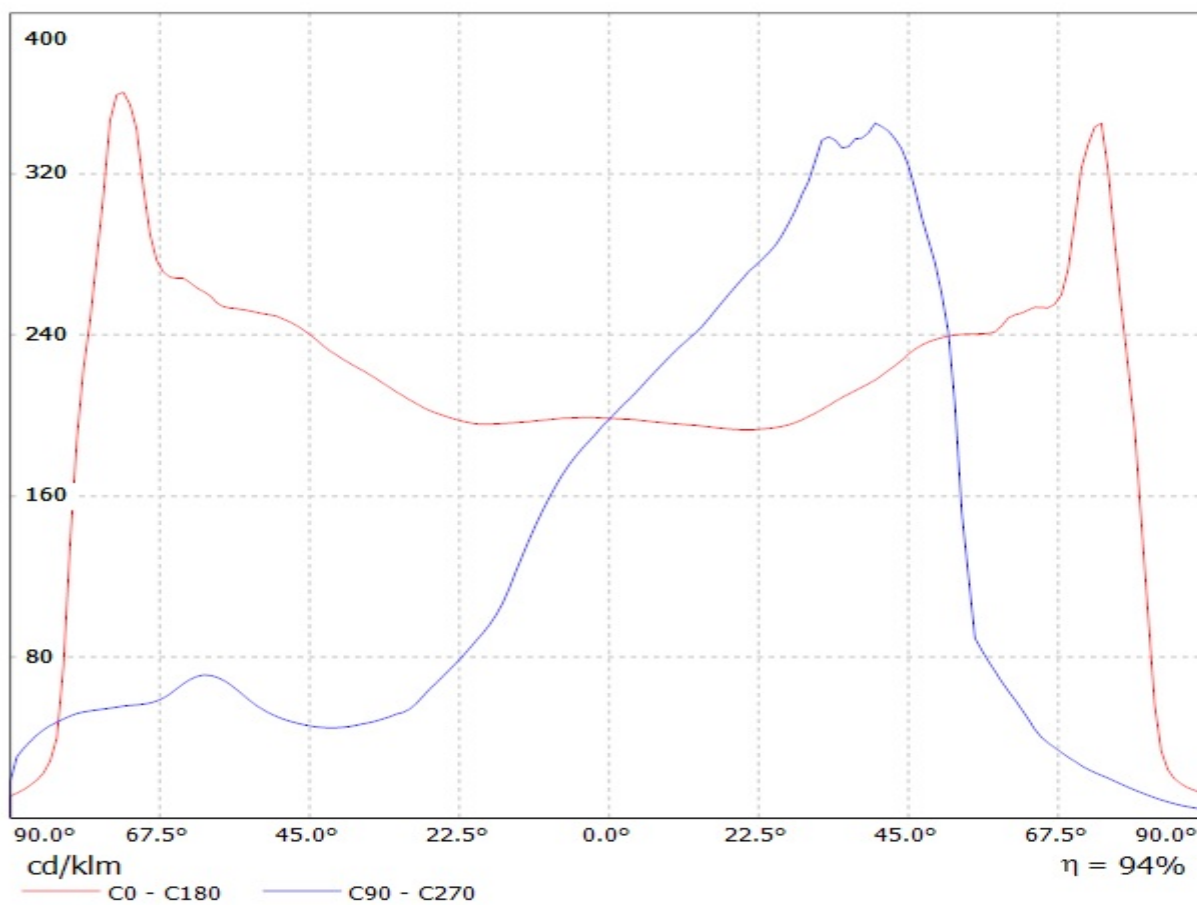
Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(Z5M) Eff.94.0%

Lamps: 1 x SEOUL\_Z5M\_(SZ5-M0-W0-00)\_364.5lm@250mA\_P=2.95788W\_I=249.8mA



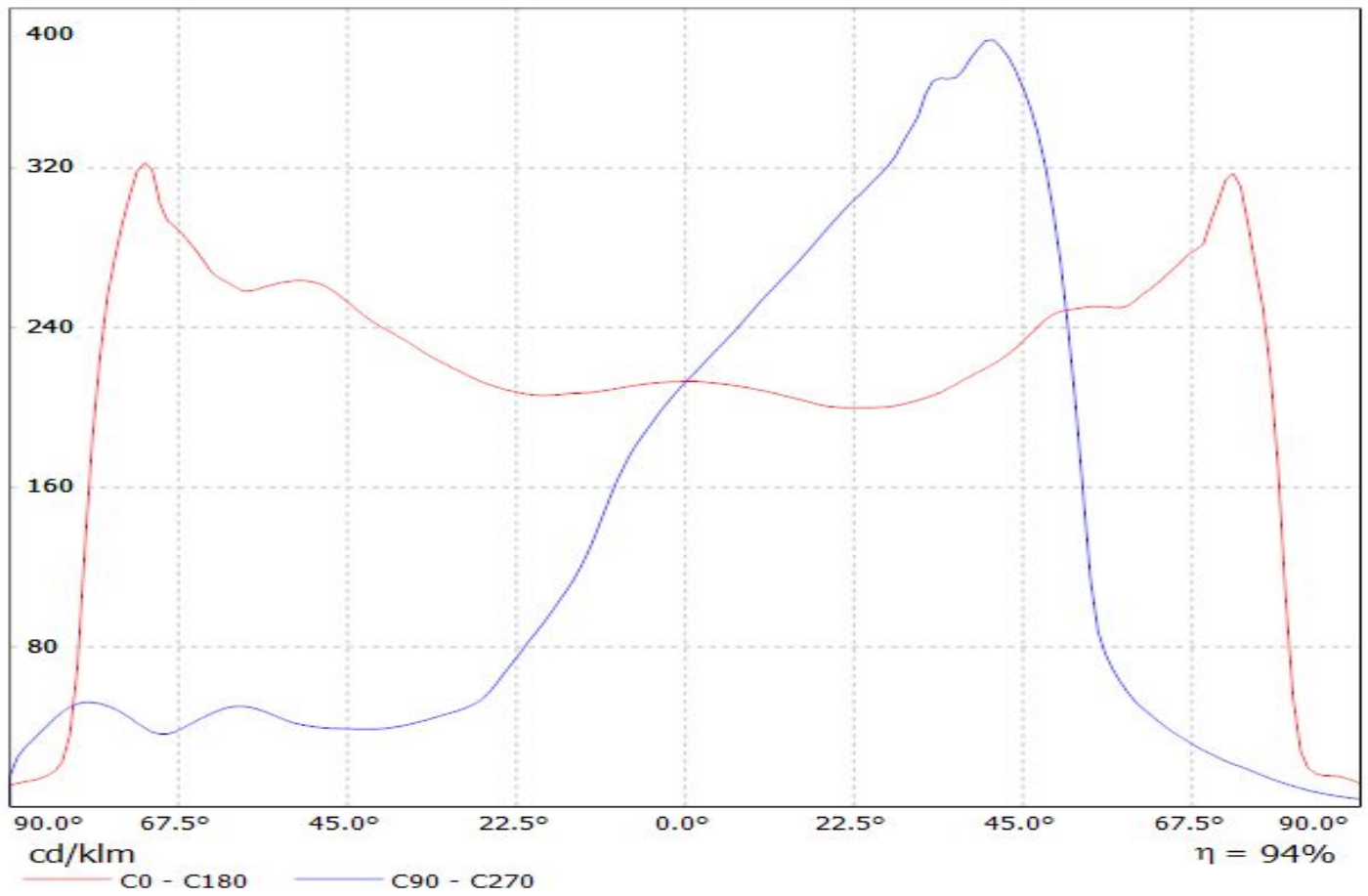
Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_518.95lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(LH351B)

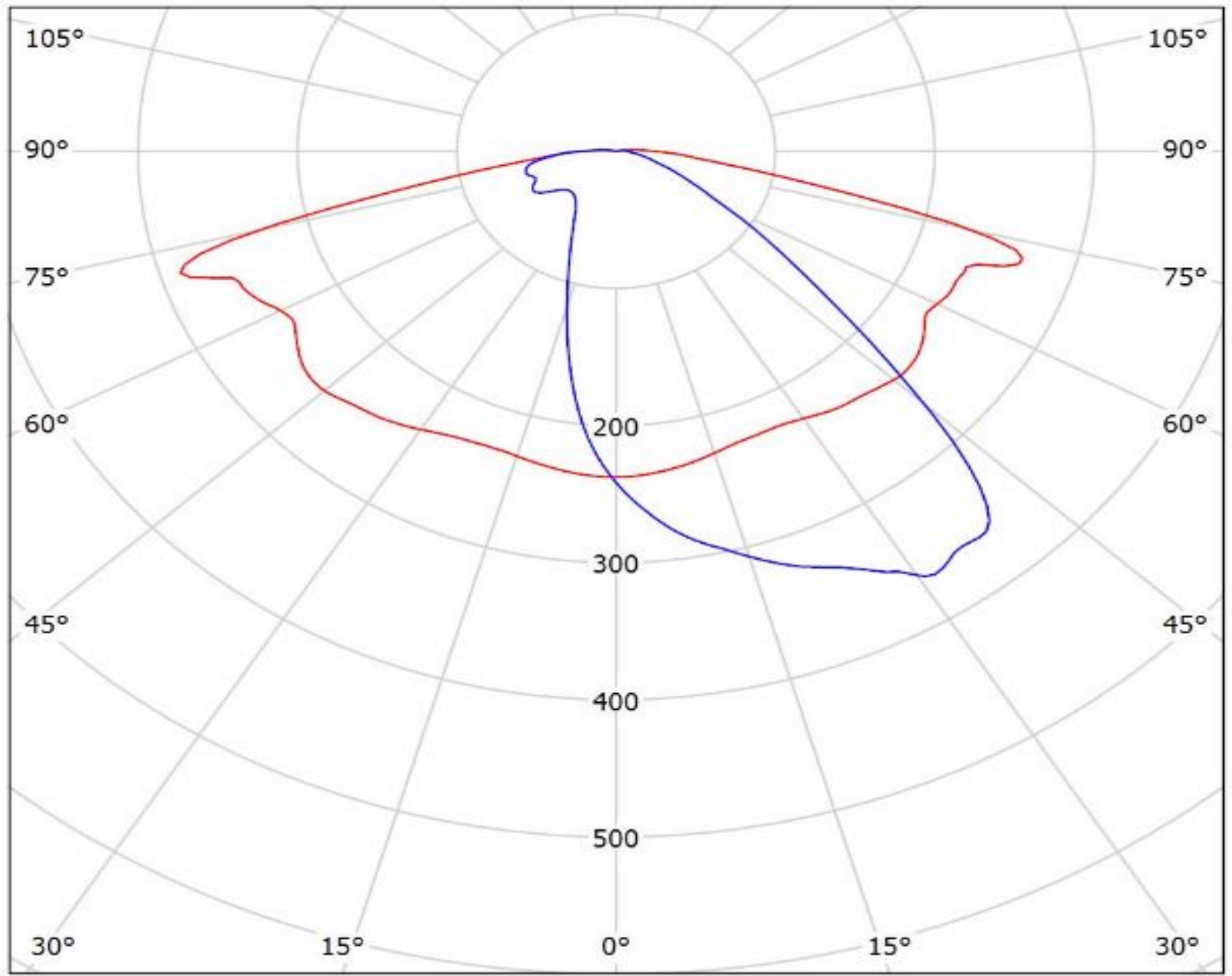
Lamps: 1 x SAMSUNG\_LH351B\_2x2\_442.45lm@250mA\_P=2.84311W\_I=249.9mA



# Ledil C13299\_STRADA-2X2-ME\_(TL1L3) / LDC (Polar)

Luminaire: Ledil C13299\_STRADA-2X2-ME\_(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

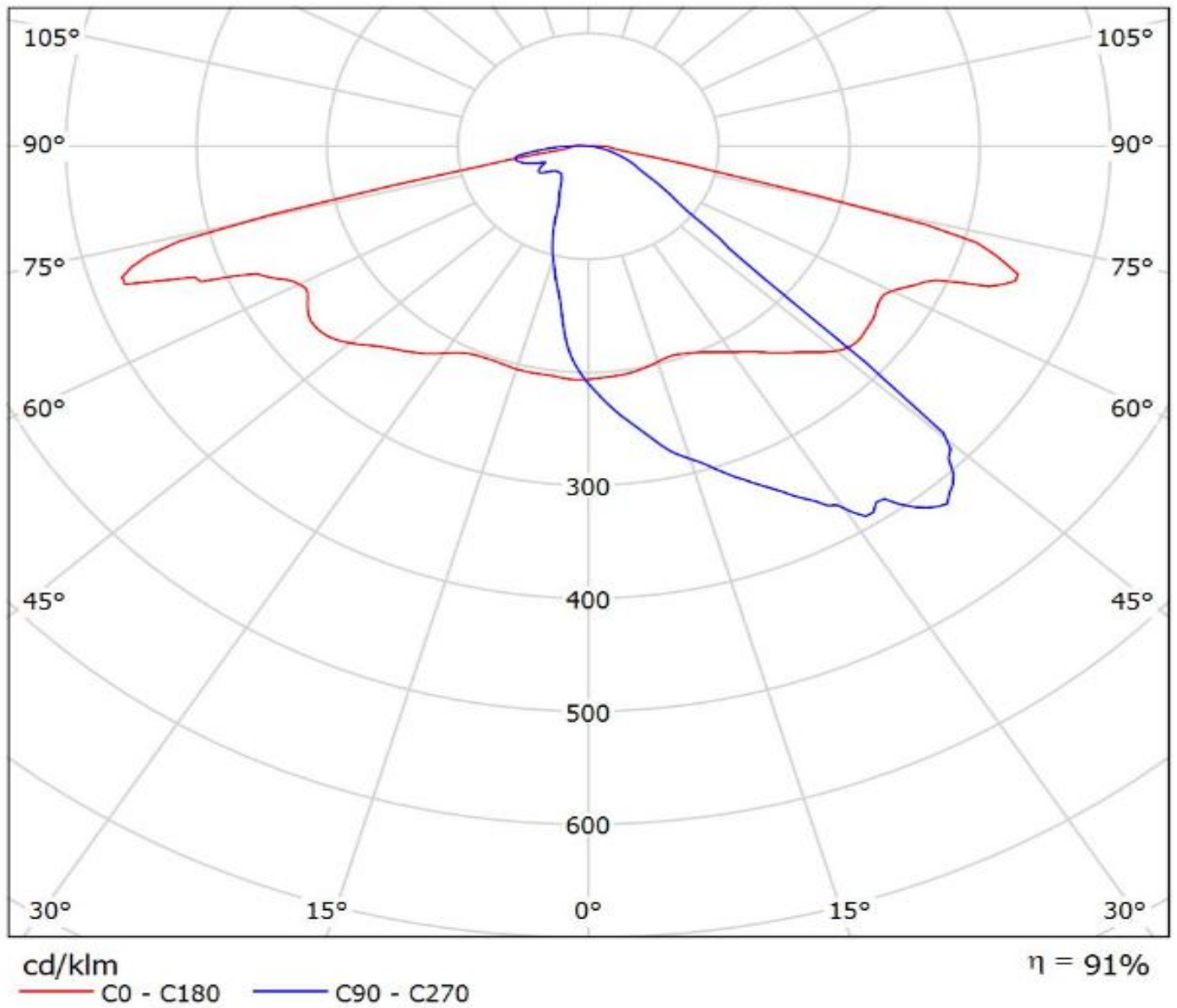
— C90 - C270

$\eta = 96\%$

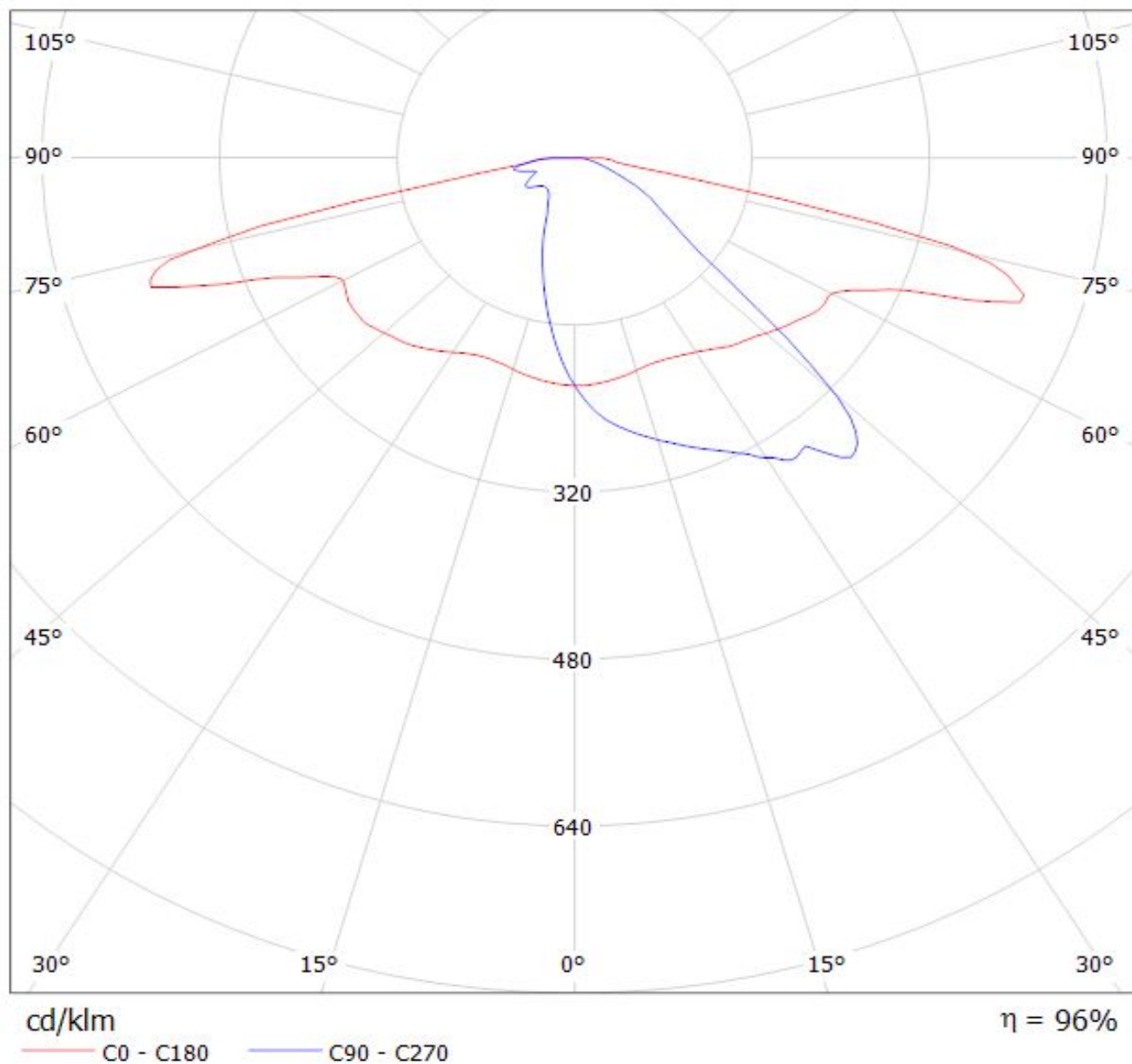
# Ledil C13299\_STRADA-2X2-ME\_(TL1L4) / LDC (Polar)

Luminaire: Ledil C13299\_STRADA-2X2-ME\_(TL1L4)

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

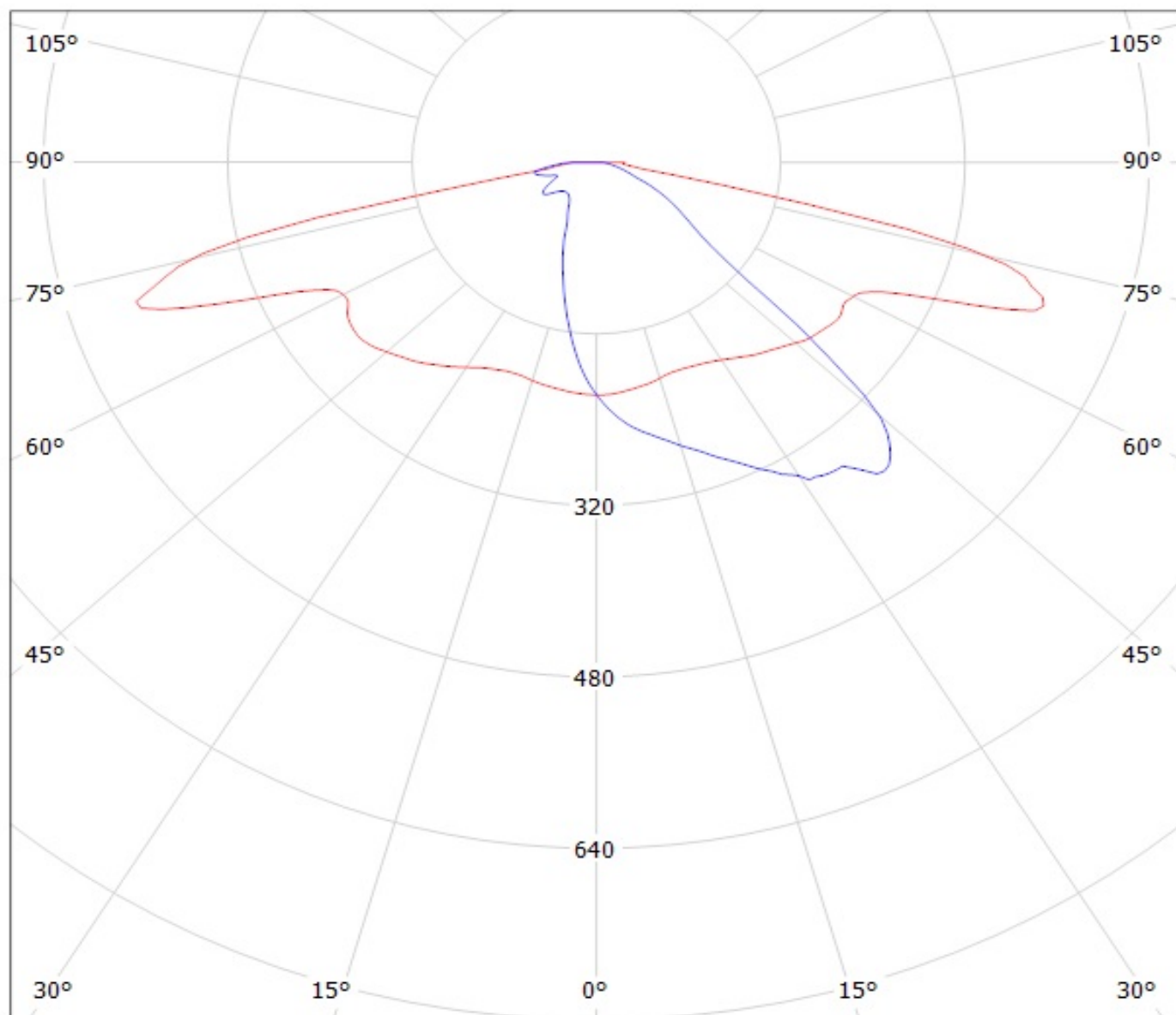


Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XT-E)\_3 Eff.94.0%  
Lamps: 1 x CREE\_XT-E\_385.199lm@250mA\_CCT=5717K



Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(LUXEON\_Q)

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



cd/klm

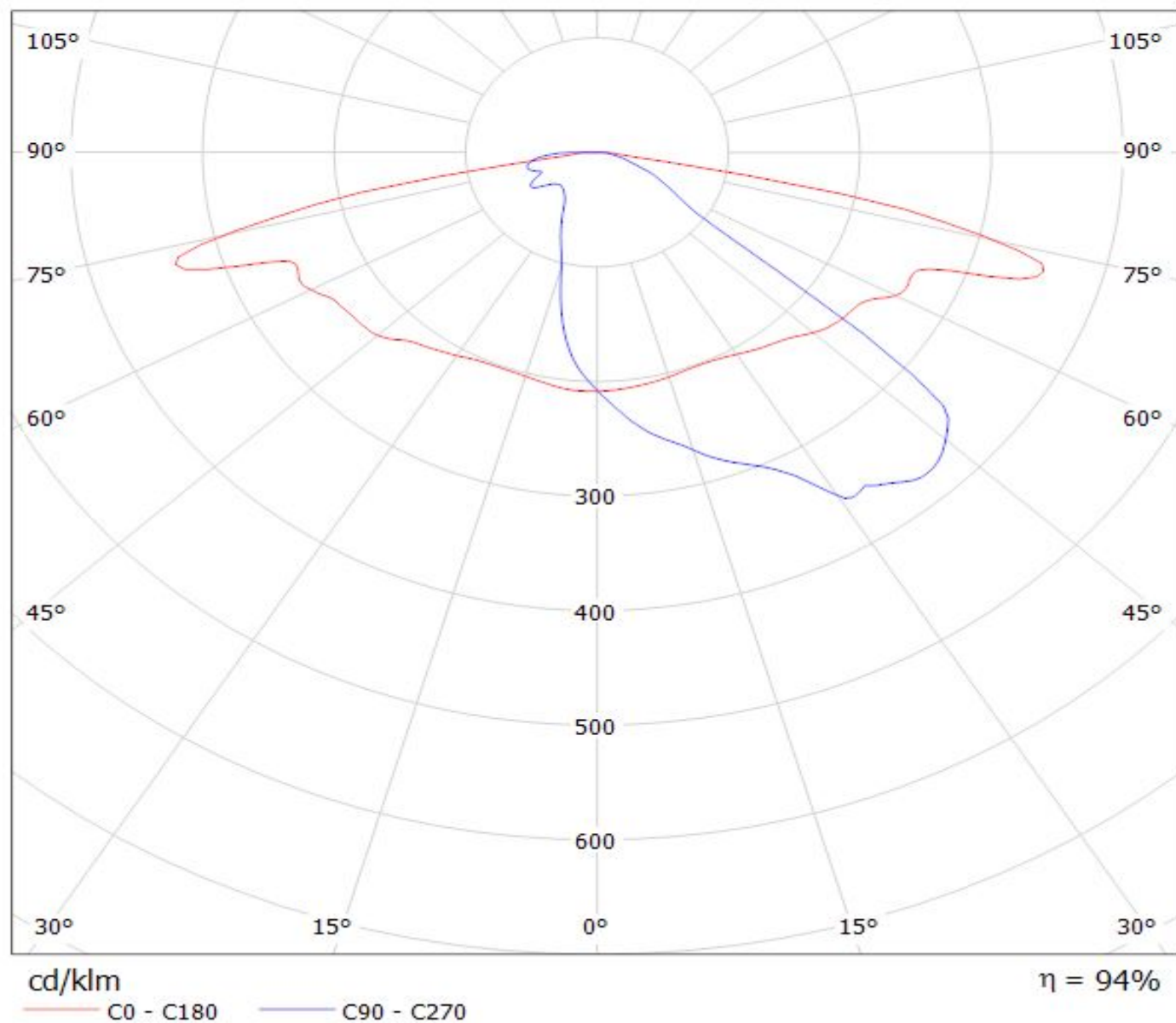
— C0 - C180

— C90 - C270



# LEDiL Oy C13299\_STRADA-2X2-ME\_(XM-L) Eff.94.0% / LDC (Polar)

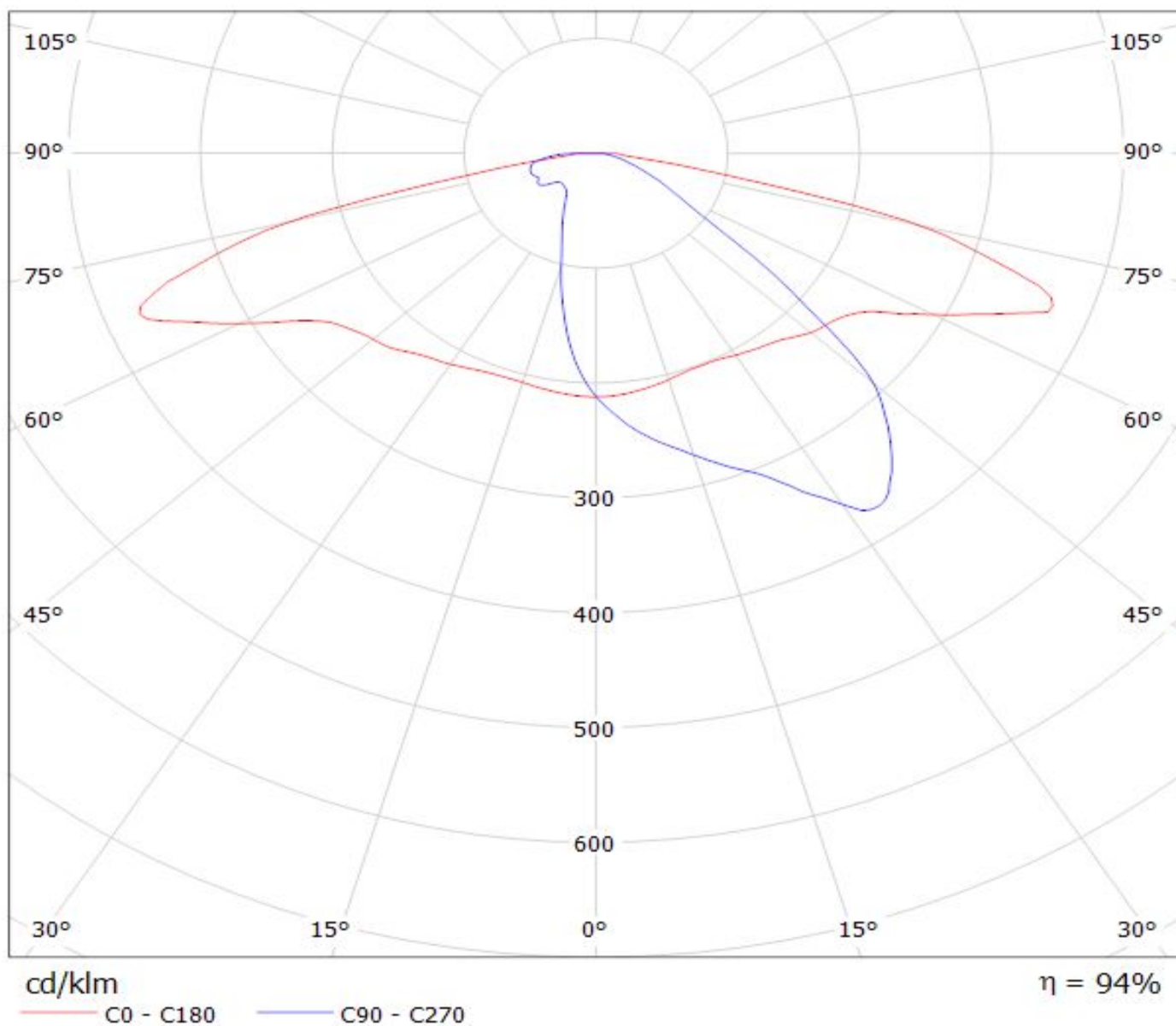
Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XM-L) Eff.94.0%  
Lamps: 1 x XM-L\_2x2\_360.4lm@250mA\_P=2.82462W\_I=249.9mA



# LEDiL Oy C13299\_STRADA-2X2-ME\_(N383) Eff.94.0% / LDC (Polar)

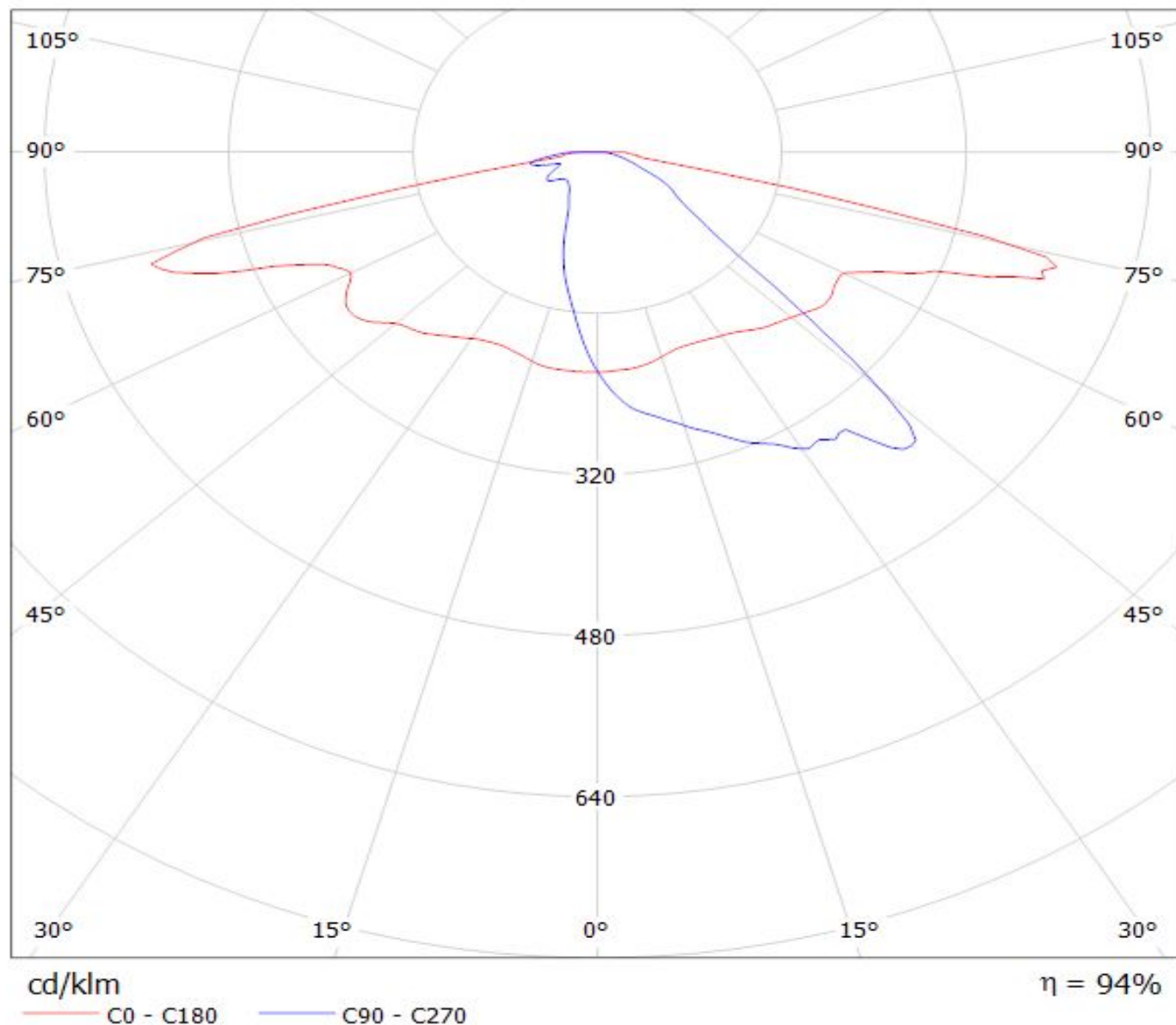
Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(N383) Eff.94.0%

Lamps: 1 x NICHIA\_N383\_2x2\_(NS9W383T)\_376.958lm@250mA\_P=2.88194W\_I=249.9mA

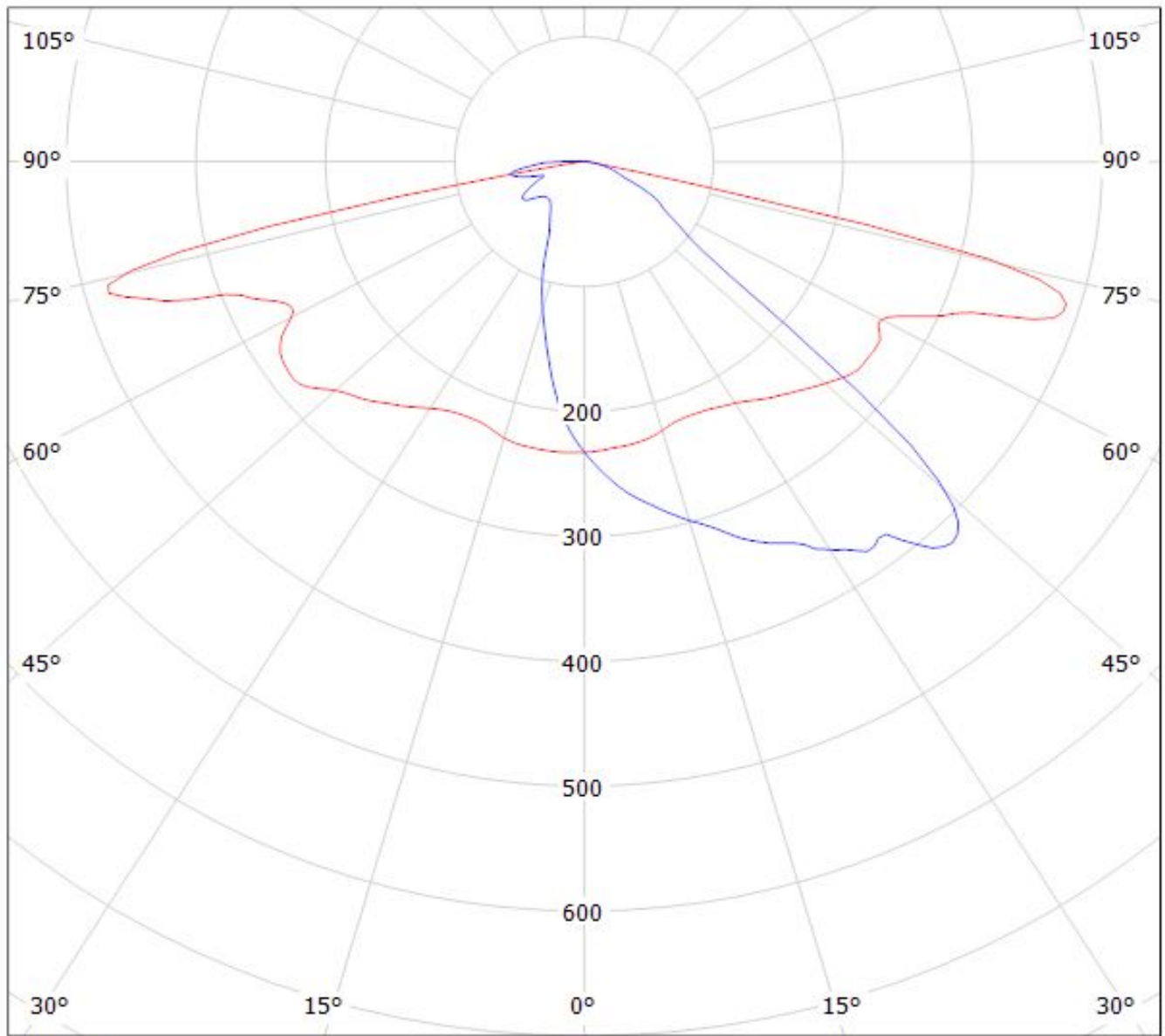


# LEDiL Oy C13299\_STRADA-2X2-ME\_(XB-D) Eff.94.0% / LDC (Polar)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XB-D) Eff.94.0%  
Lamps: 1 x XB-D\_2x2\_368.85lm@250mA\_P=3.06227W\_I=249.9mA



Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(Fortimo\_F-Flex\_2x8\_740DAG3)  
Lamps: 1 x Philips\_Fortimo\_F-Flex\_2x8\_740DAG3\_1786.86lm@250mA\_P=11.6092W\_I=0.2498A



$\eta = 96\%$

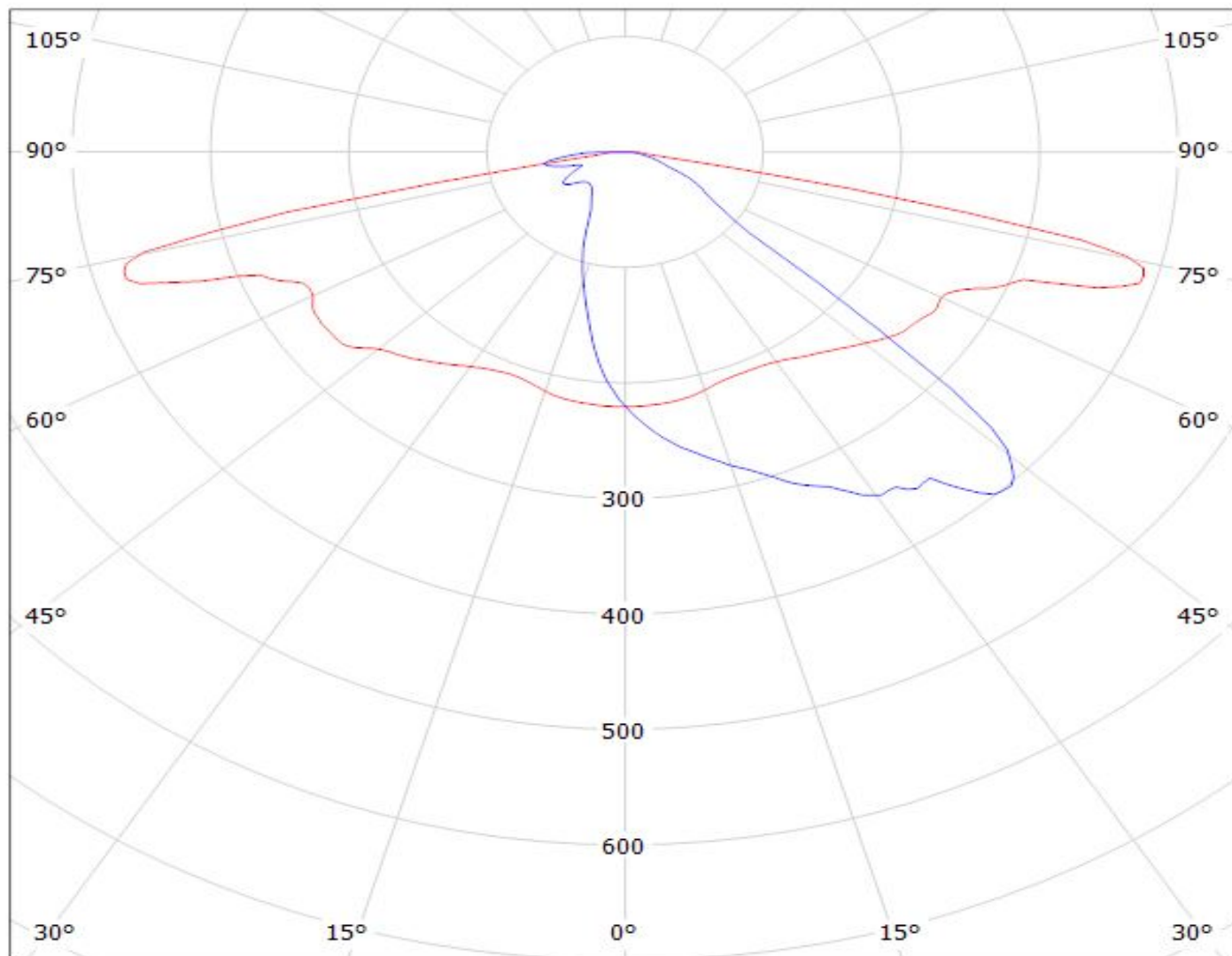
cd/klm  
— C0 - C180    — C90 - C270

# LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-G2) Eff.94.0% / LDC (Polar)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-G2) Eff.94.0%

Lamps: 1 x XP-G2\_2x2\_(XPGBWT-L1-000-00G51)

\_418.9lm@250mA\_CCT=7181K\_P=2.93358W\_I=249.9mA



cd/klm

— C0 - C180

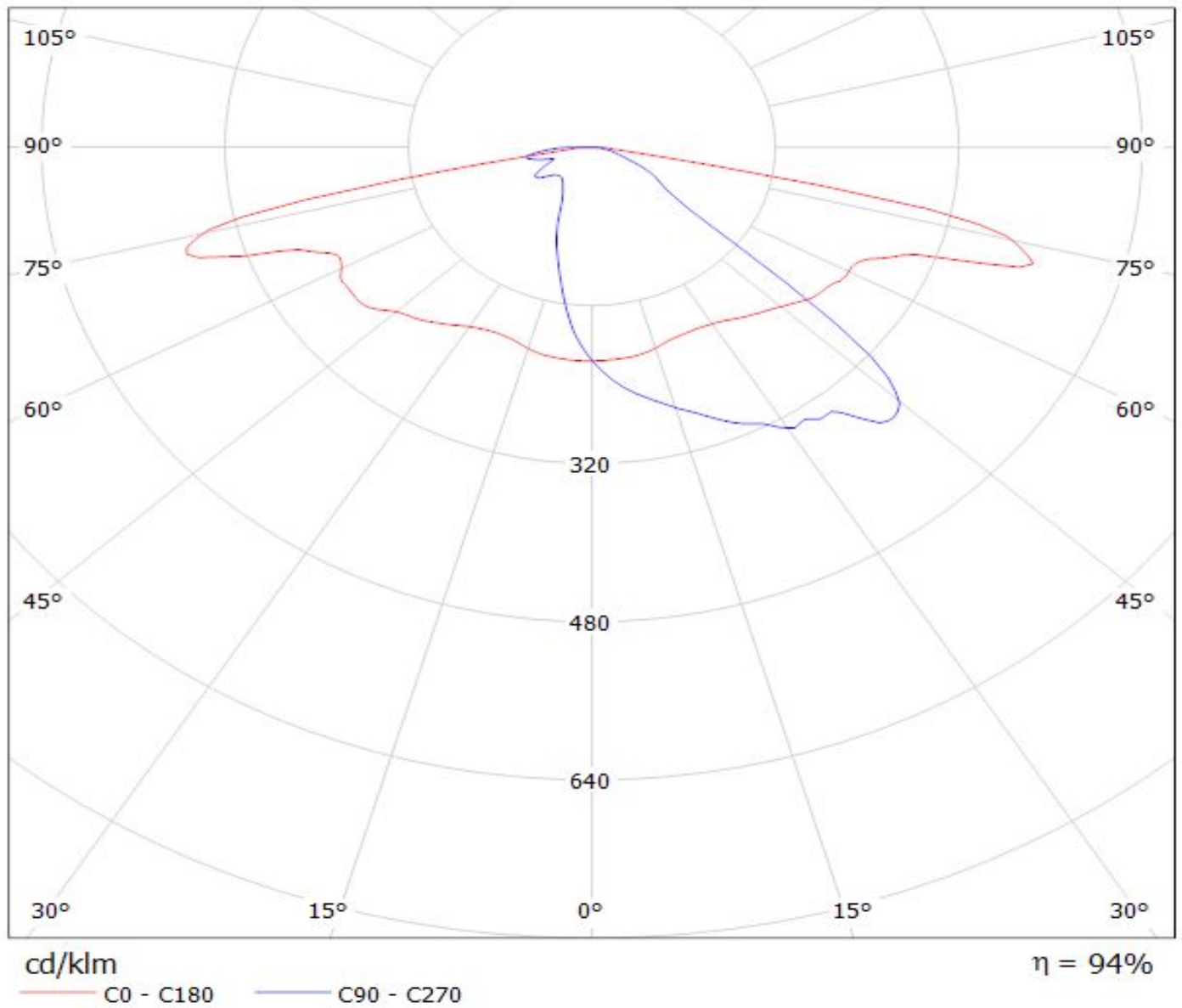
— C90 - C270

$\eta = 94\%$

# LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-G) / LDC (Polar)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-G)

Lamps: 1 x XP-G\_2x2\_258.35lm@250mA\_P=2.88734W\_I=249.9mA

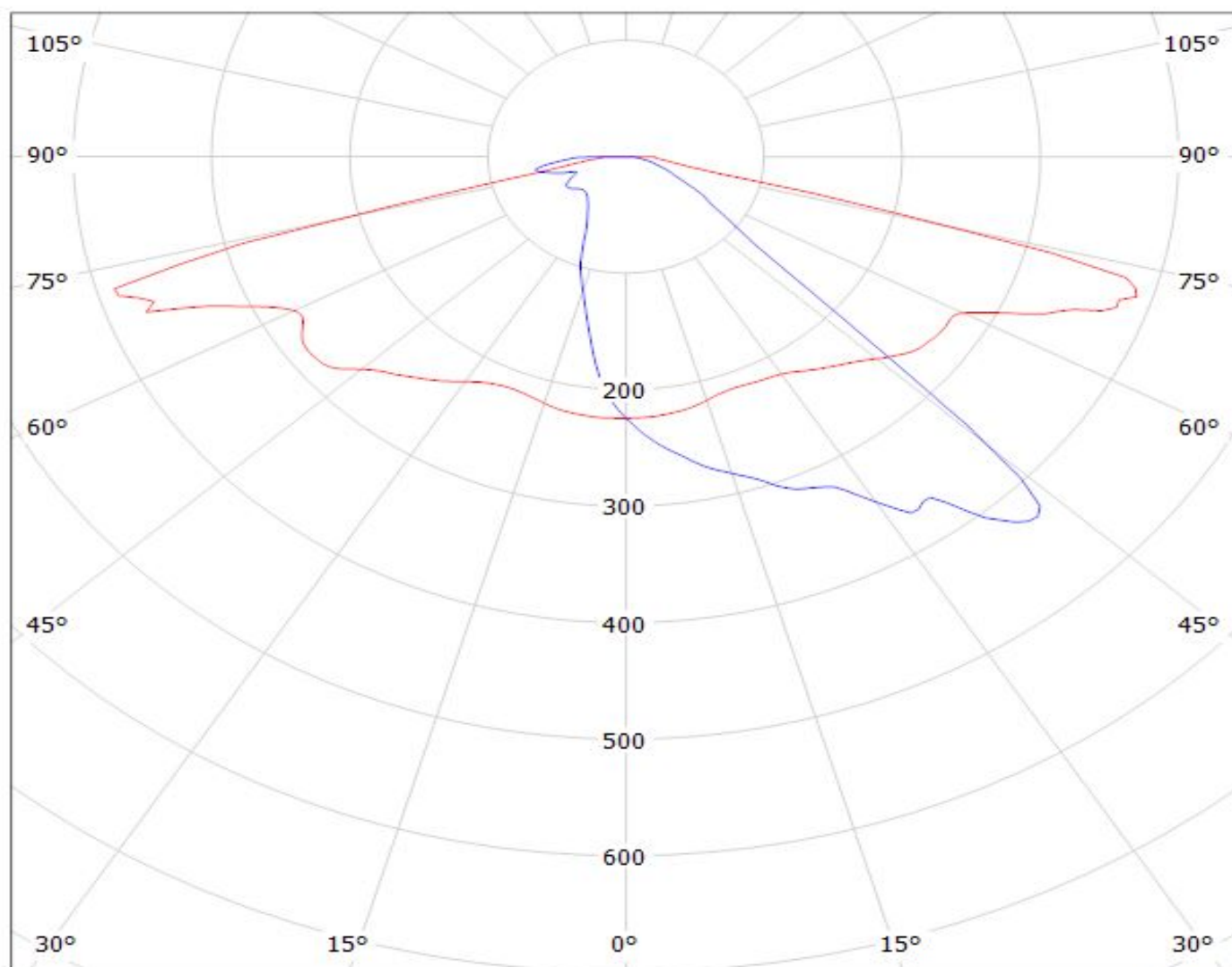


# LEDiL Oy C13299\_STRADA-2X2-ME\_(SQ-PC) Eff.94.0% / LDC (Polar)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(SQ-PC) Eff.94.0%

Lamps: 1 x SQ-PC\_2x2\_(LCW-CQAR.PC-MSMU-5H71-1)\_400.75lm@250mA\_CCT=?

K\_P=2.96681W\_I=249.9mA



cd/klm

— C0 - C180

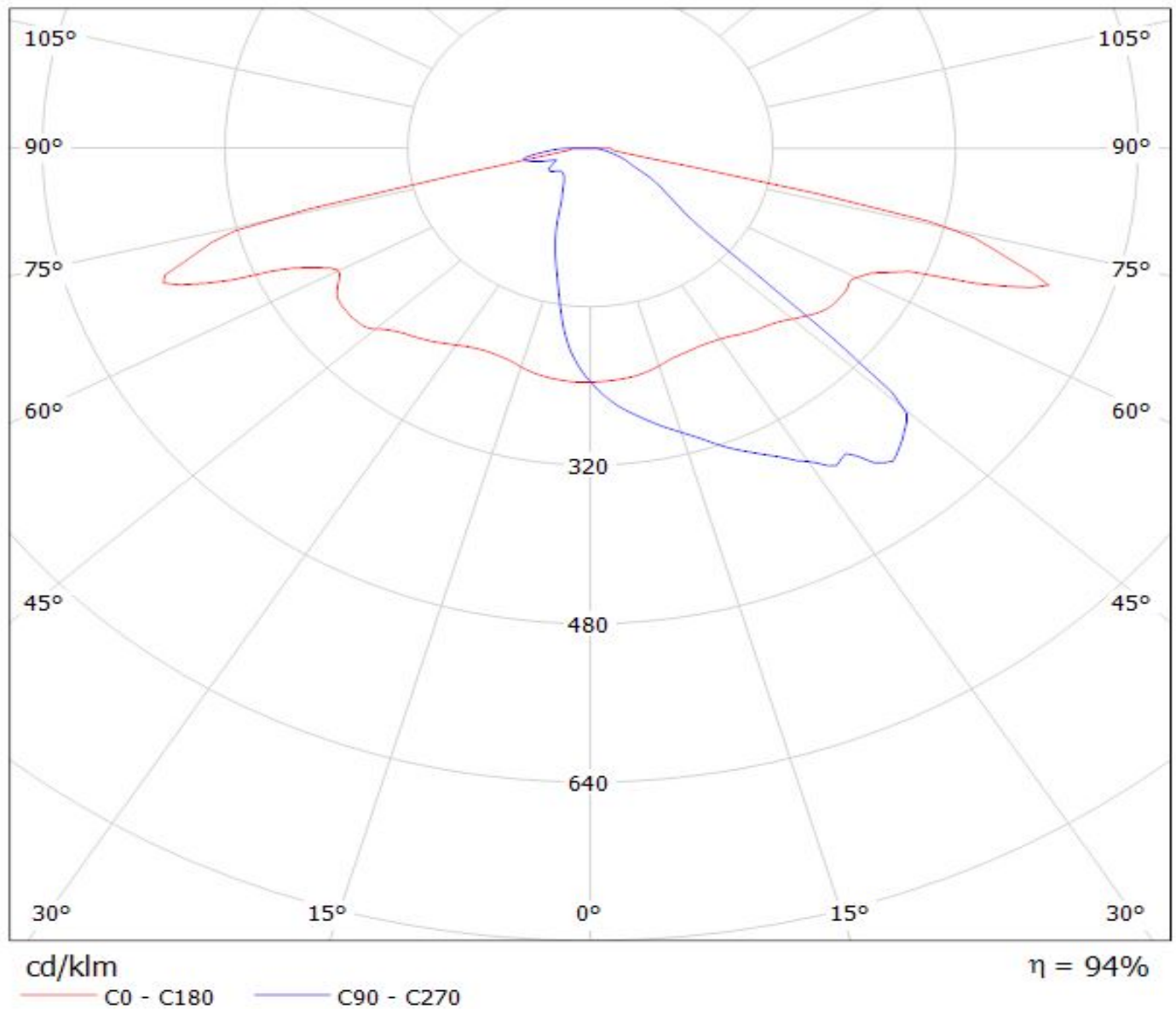
— C90 - C270

$\eta = 94\%$

# LEDiL Oy C13299\_STRADA-2X2-ME\_(Luxeon-R) Eff.94.0% / LDC (Polar)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(Luxeon-R) Eff.94.0%

Lamps: 1 x Luxeon\_R\_2x2\_(LXA7-PW30)\_314.75lm@250mA\_P=2.77914W\_I=249.9mA

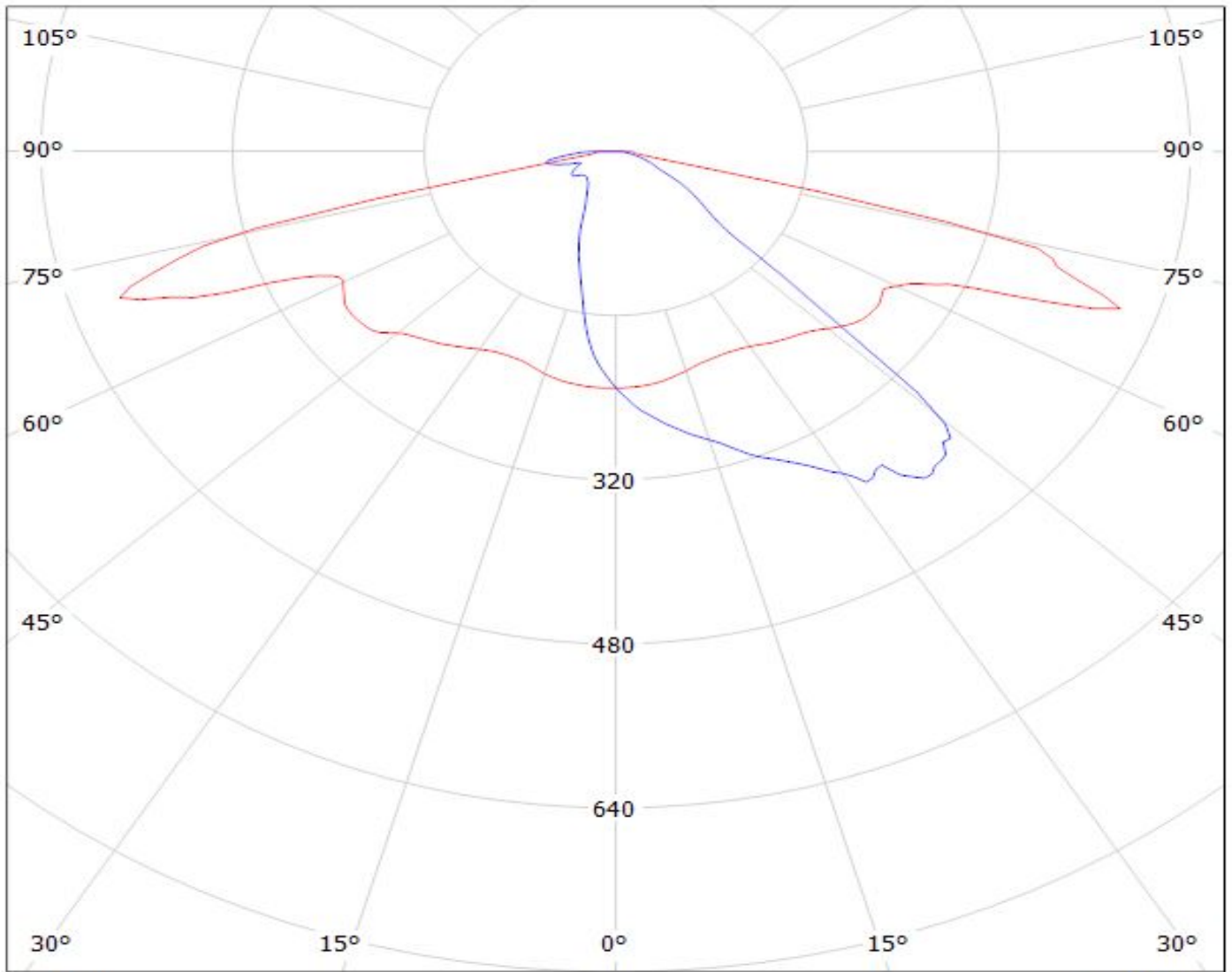




# LEDiL Oy C13299\_STRADA-2X2-ME\_(Rebel-ES) Eff.94.0% / LDC (Polar)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(Rebel-ES) Eff.94.0%

Lamps: 1 x Luxeon\_Rebel-ES\_2x2\_341.5lm@250mA\_P=2.86485W\_I=249.9mA

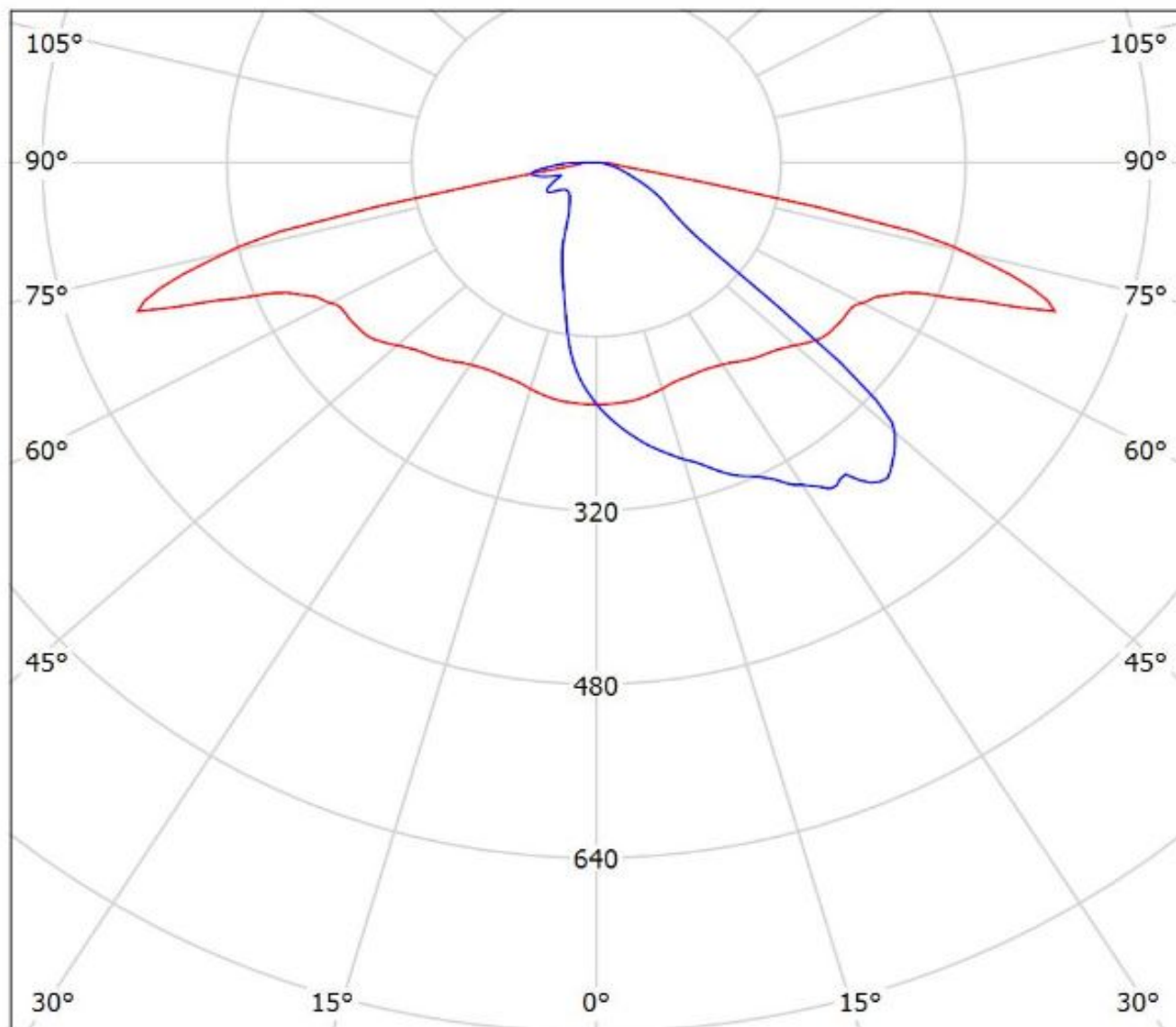


cd/klm

— C0 - C180    — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C13299\_STRADA-2x2-ME\_(Luxeon\_T)  
Lamps: 1 x Luxeon T (LXH8-FW30-3) 303lm@250mA P=2.80138W I=0.2499A



cd/klm

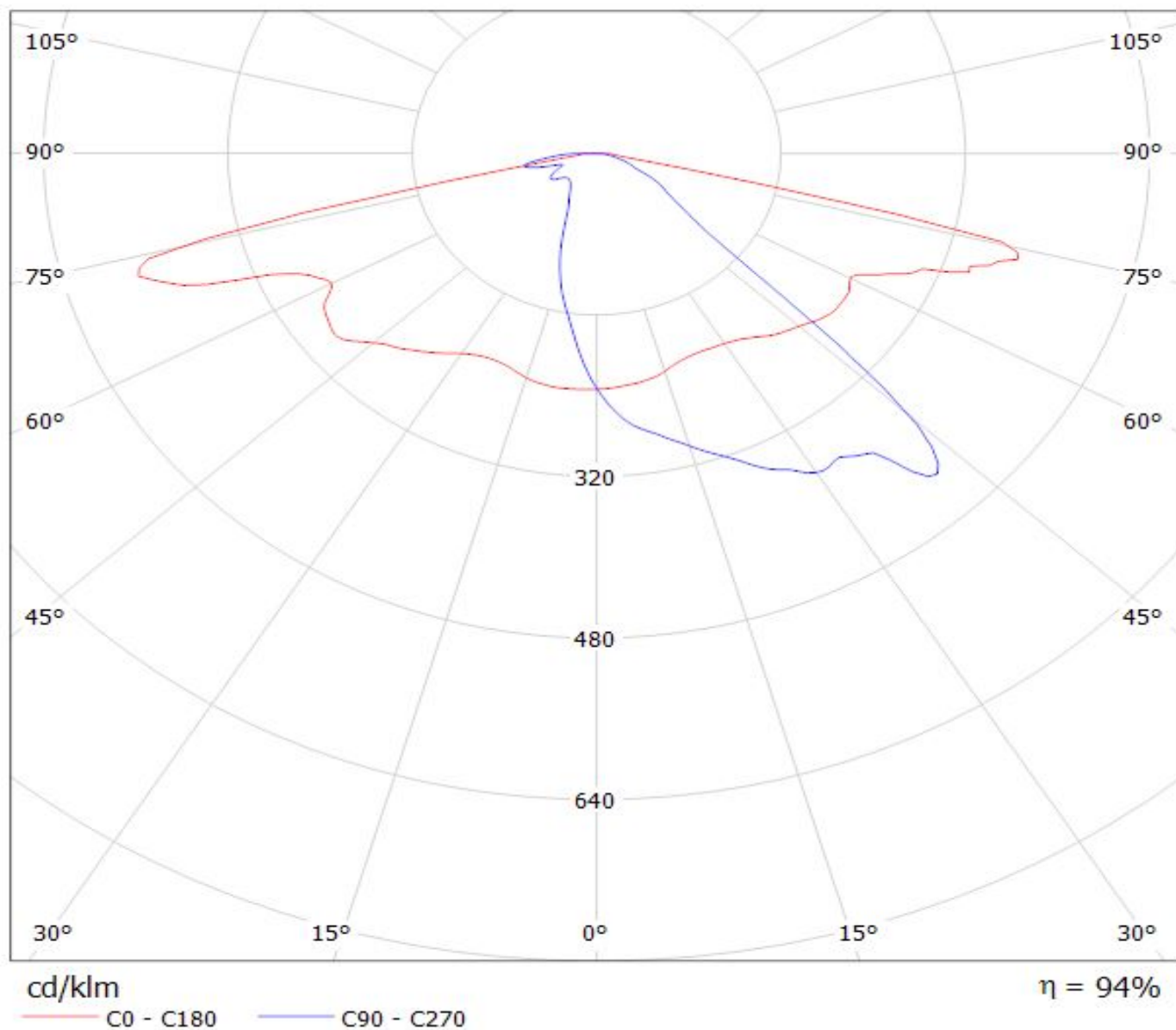
— C0 - C180    — C90 - C270

$\eta = 94\%$

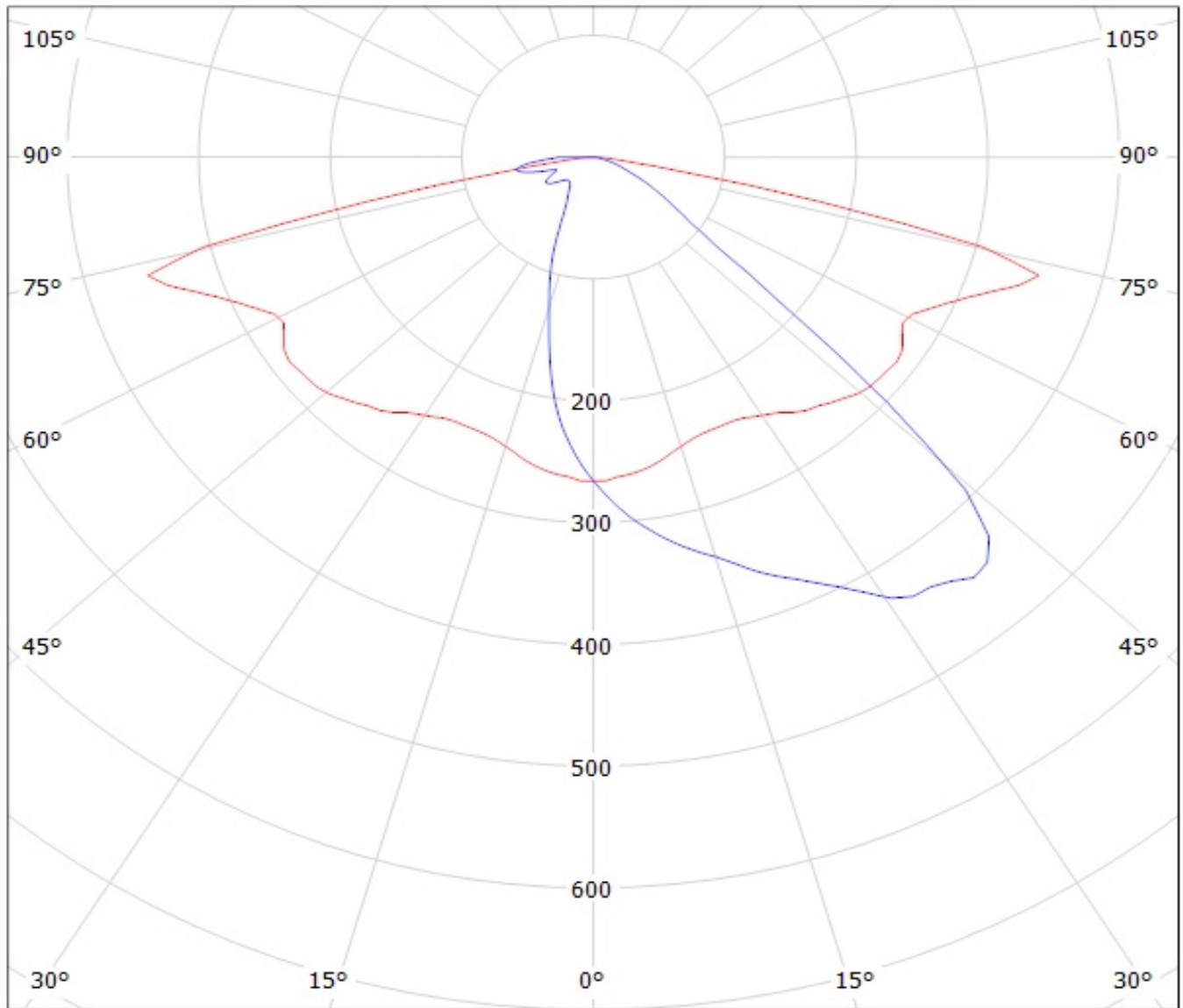
# LEDiL Oy C13299\_STRADA-2X2-ME\_(Z5P) Eff.94.0% / LDC (Polar)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(Z5P) Eff.94.0%

Lamps: 1 x Seoul\_Z5P\_2x2\_290.05lm@250mA\_P=3.6208W\_I=249.9mA



Luminaire: LEDil Oy C13299\_STRADA-2X2-ME\_(Z5M1) Efficiency=94%  
Lamps: 1 x Seoul Z5M1 (SZ5-M1-WN-C8) 379lm @ 250mA CCT=4600K P=2.9W I=250mA

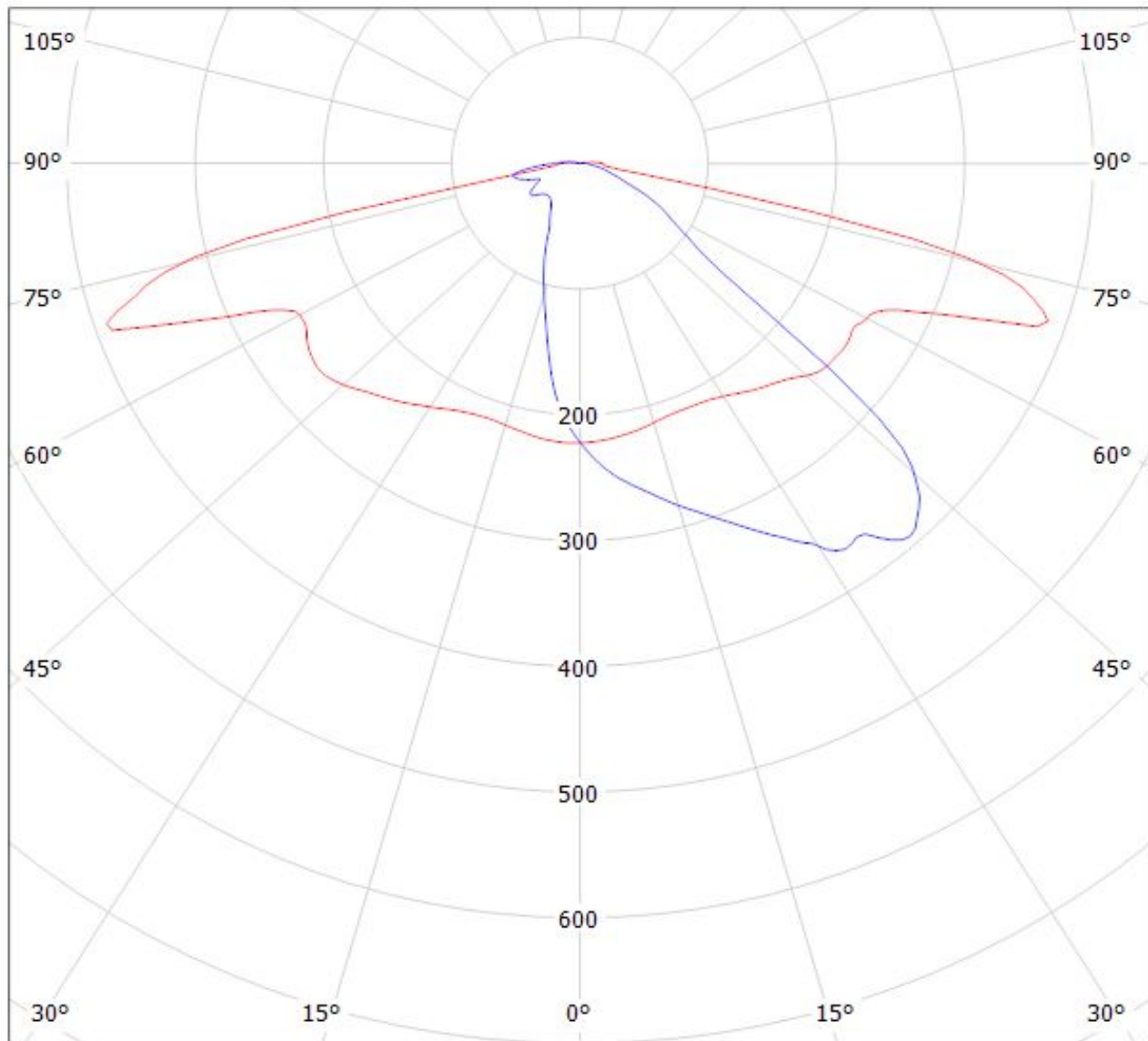


cd/klm

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy C13299\_STRADA-2x2-ME\_(NVSxx19B)

Lamps: 1 x Nichia\_NVsxx19B\_2x2\_(NVSL219BE)\_310.219lm@250mA\_CCT=3071K\_P=2.87735W\_I=249.9mA



cd/klm

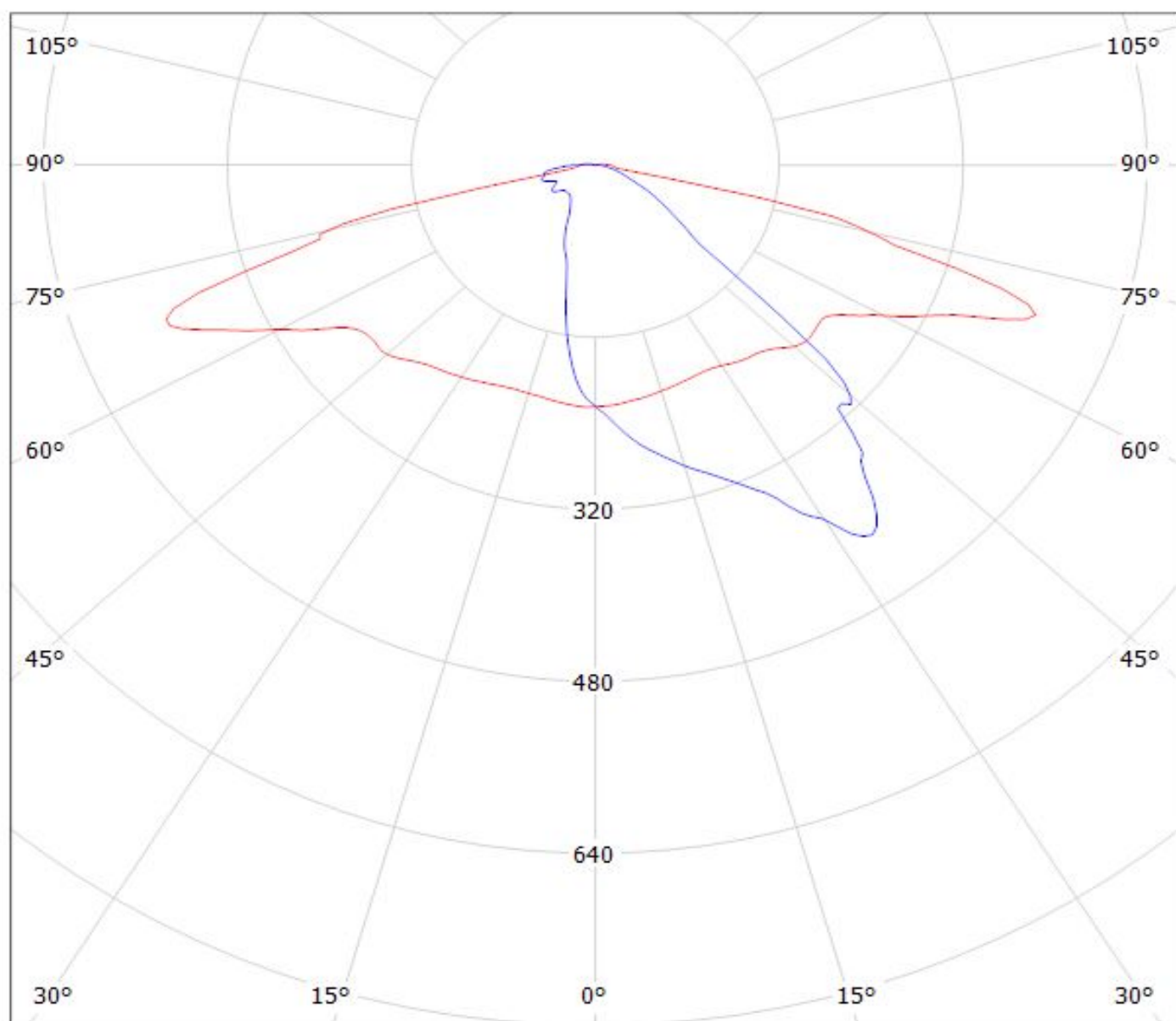
— C0 - C180

— C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(LUXEON\_MZ) Eff.94.0%

Lamps: 1 x LUXEON\_MZ\_2x2\_(LMZ7-QW57)\_419.8lm@250mA\_P=2.71916W\_CCT=5700K\_I=249.9mA



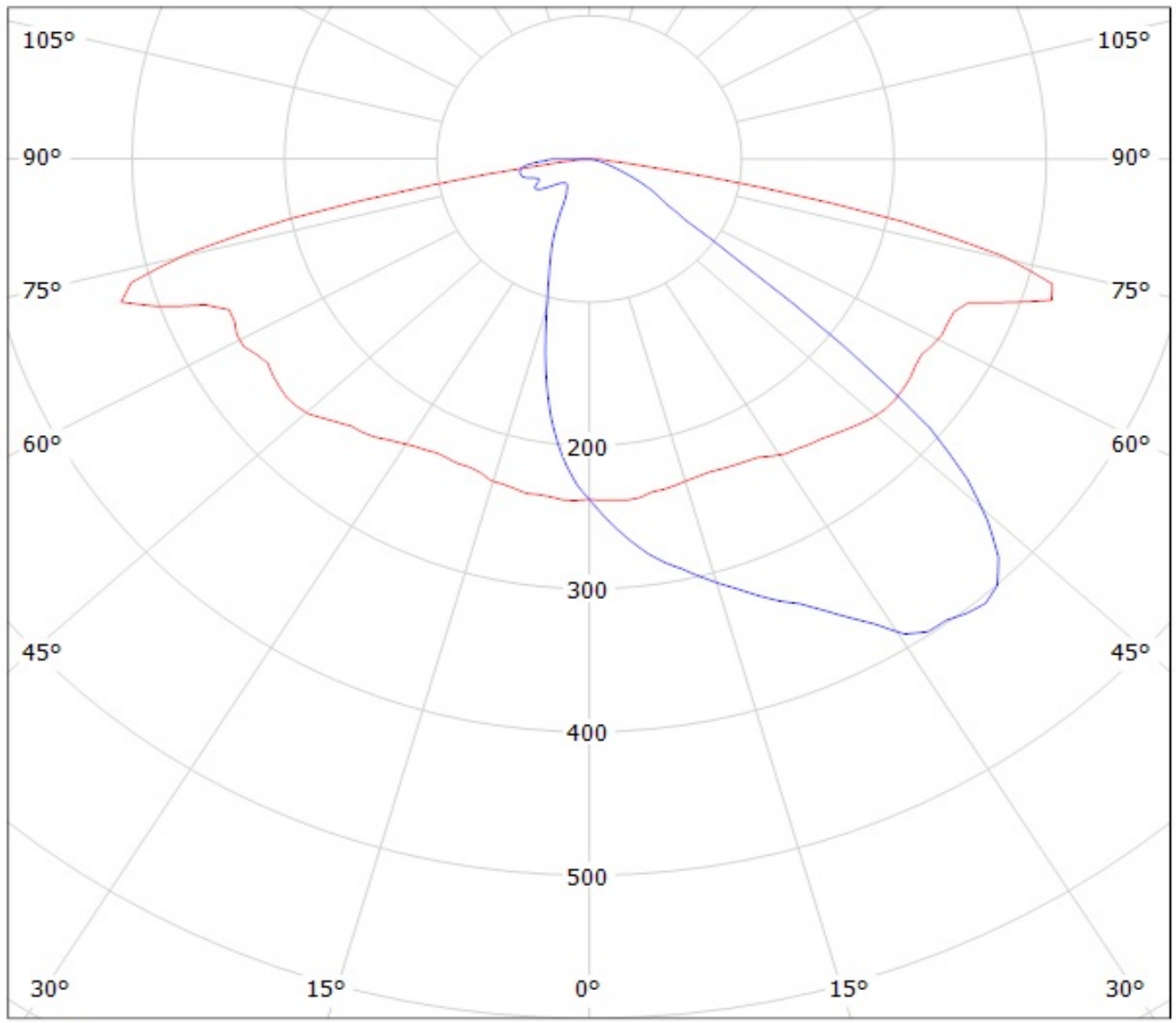
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDil Oy C13299\_STRADA-2X2-ME\_(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

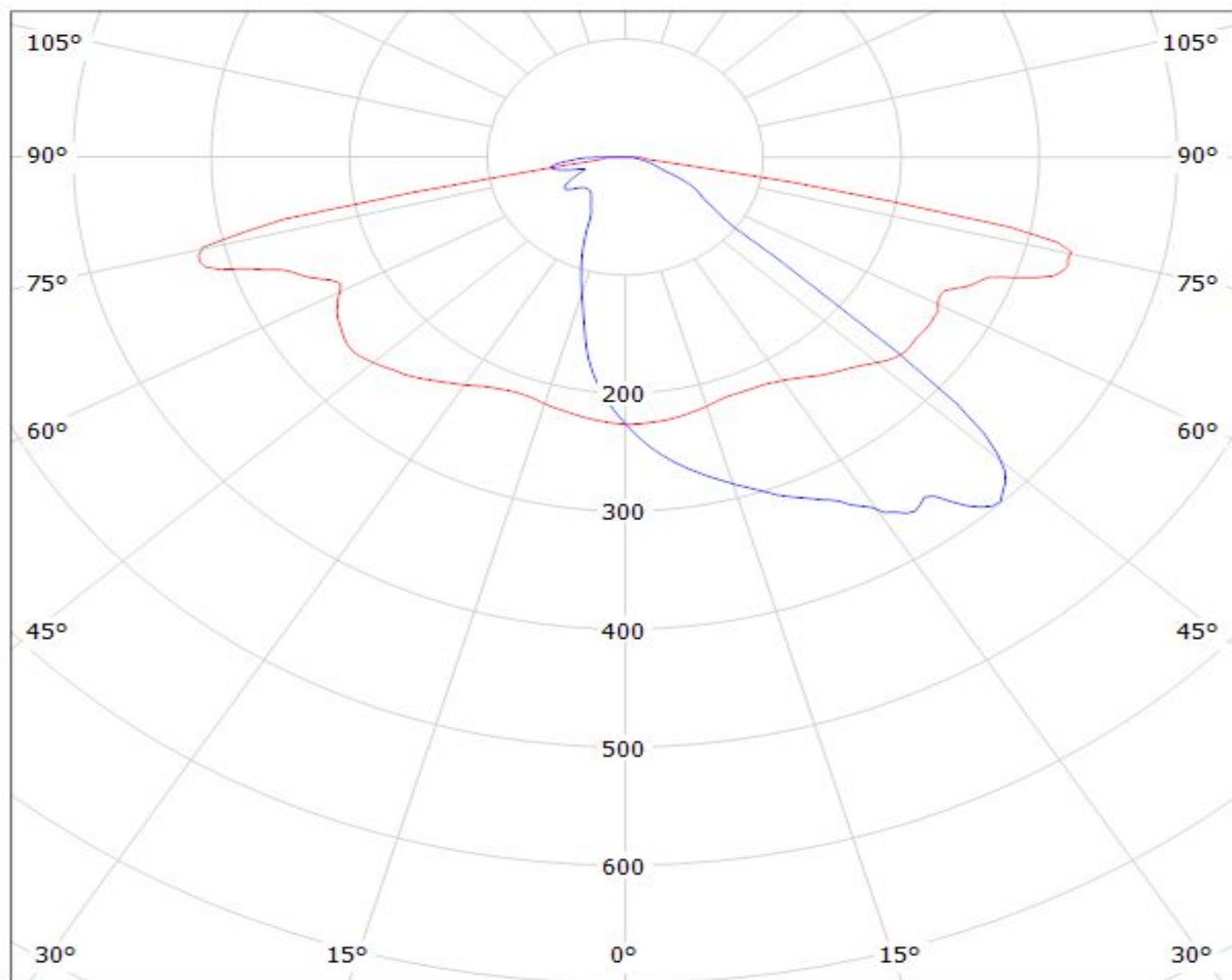


cd/klm  
— C0 - C180    — C90 - C270

**LEDiL Oy C13299\_STRADA-2X2-ME\_(LG-3535-CERAMIC-GEN2) Eff.94.0% /  
LDC (Polar)**

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(LG-3535-CERAMIC-GEN2) Eff.94.0%

Lamps: 1 x LG-3535-CERAMIC-GEN2\_2x2\_475.9lm@250mA\_P=2.8651W\_CCT=6562K\_I=249.9mA



cd/klm

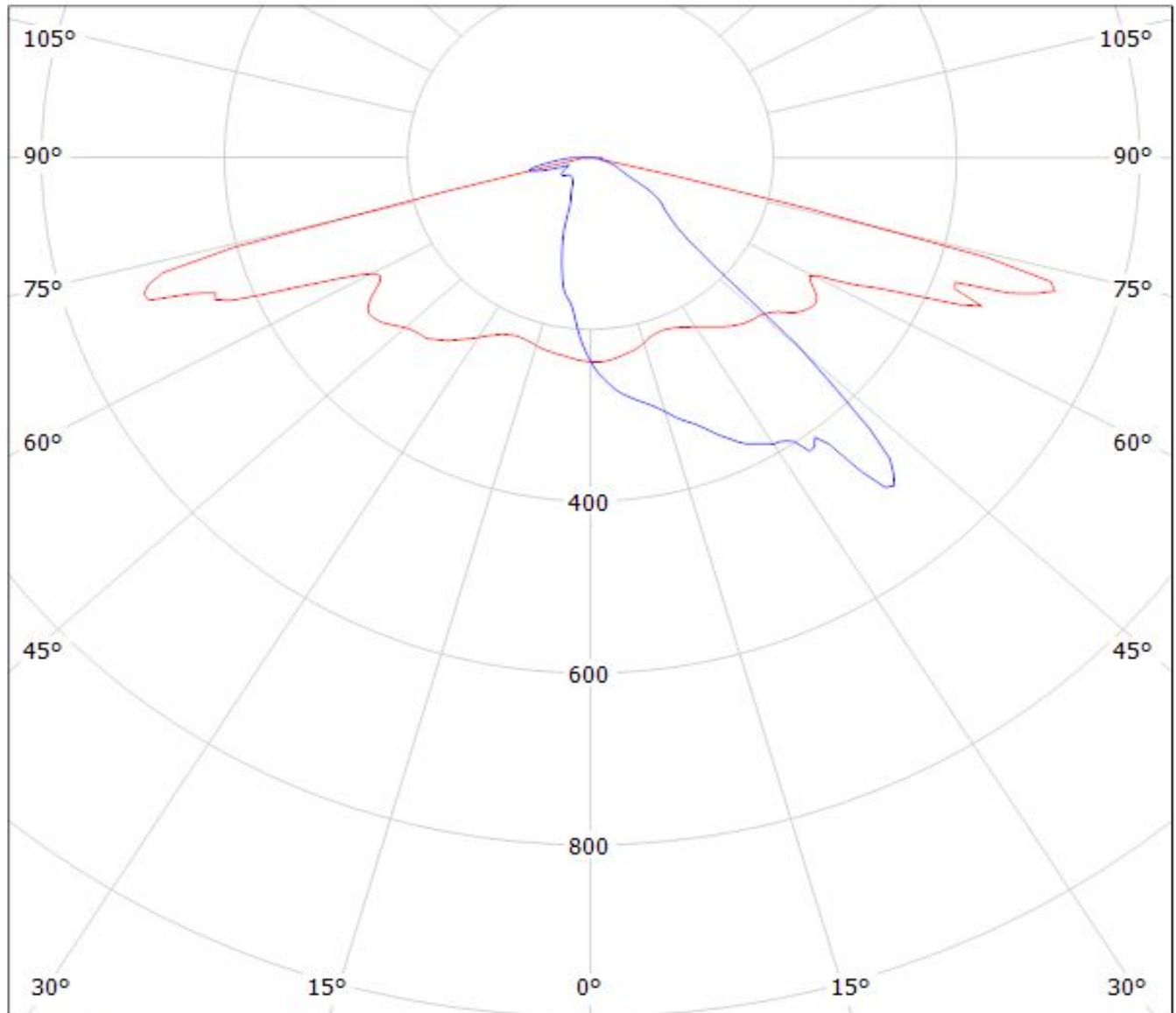
— C0 - C180

— C90 - C270

$\eta = 94\%$



Luminaire: LEDiL Oy C13299\_STRADA-2x2-ME\_(Luxeon\_Z\_ES) Eff. 94%  
Lamps: 1 x Luxeon\_Z\_ES\_2x2\_(LXZ2-3090)\_210.126lm@250mA\_P=2.81862W\_I=249.9mA



cd/klm

— C0 - C180    — C90 - C270

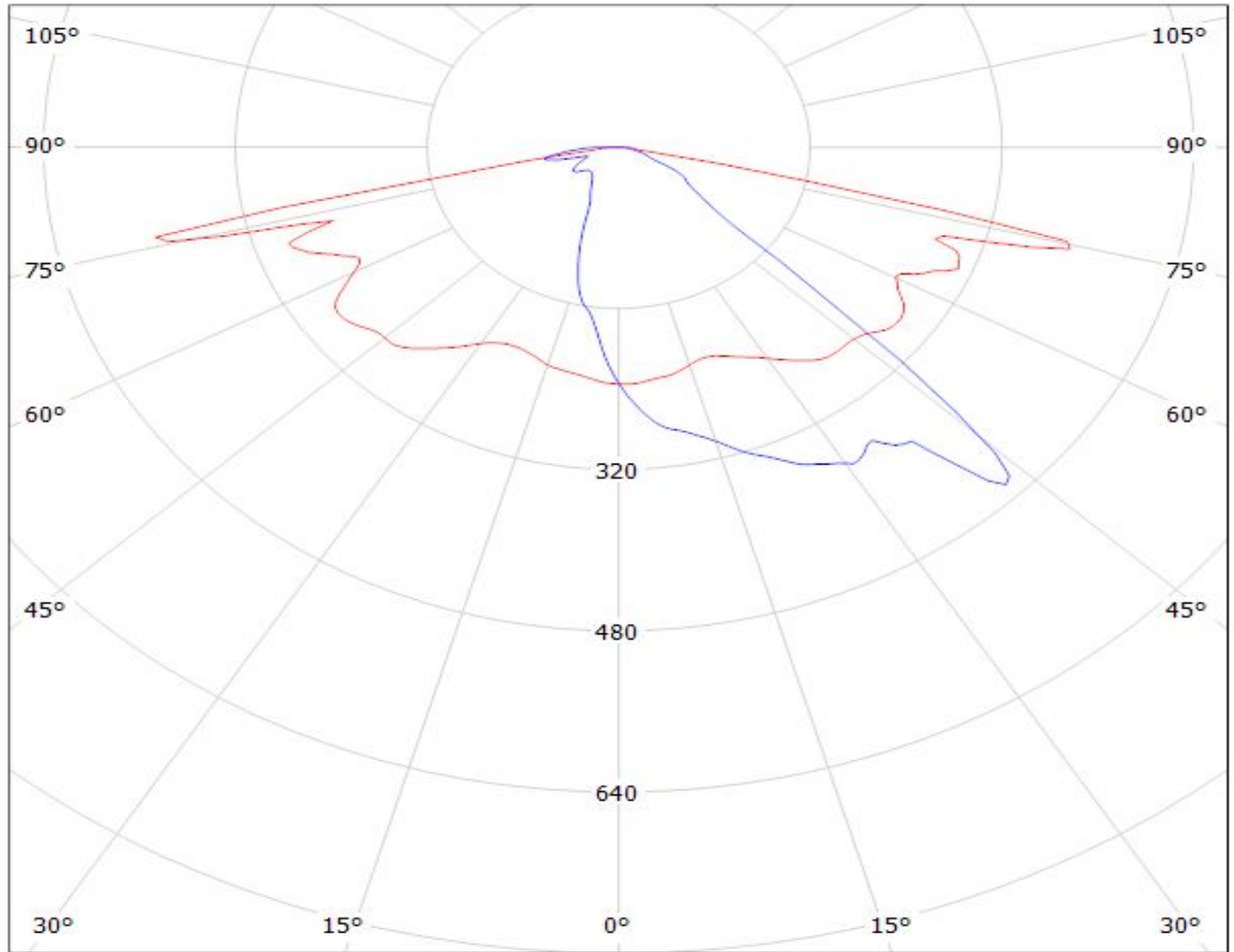
$\eta = 96\%$

# LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-E2) Eff.94.0% / LDC (Polar)

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-E2) Eff.94.0%

Lamps: 1 x CREE\_XP-E2\_2x2\_(XPEBWT-L1-7B4-Q4-0-01)

\_341.05lm@250mA\_P=2.92366W\_I=249.8mA



cd/klm

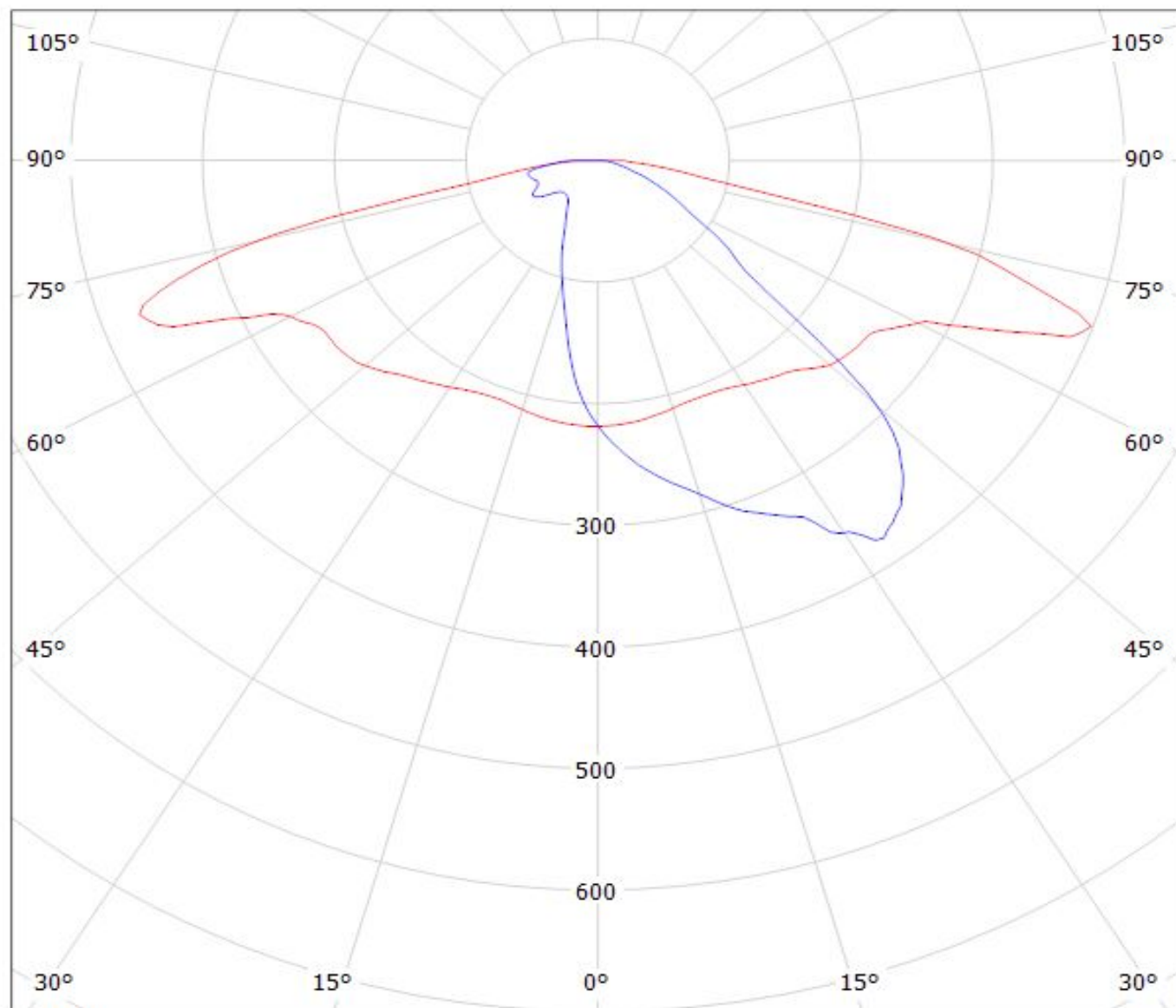
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C13299\_STRADA-2x2-ME\_(MJT4040) Eff. 94%

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



cd/klm

— C0 - C180

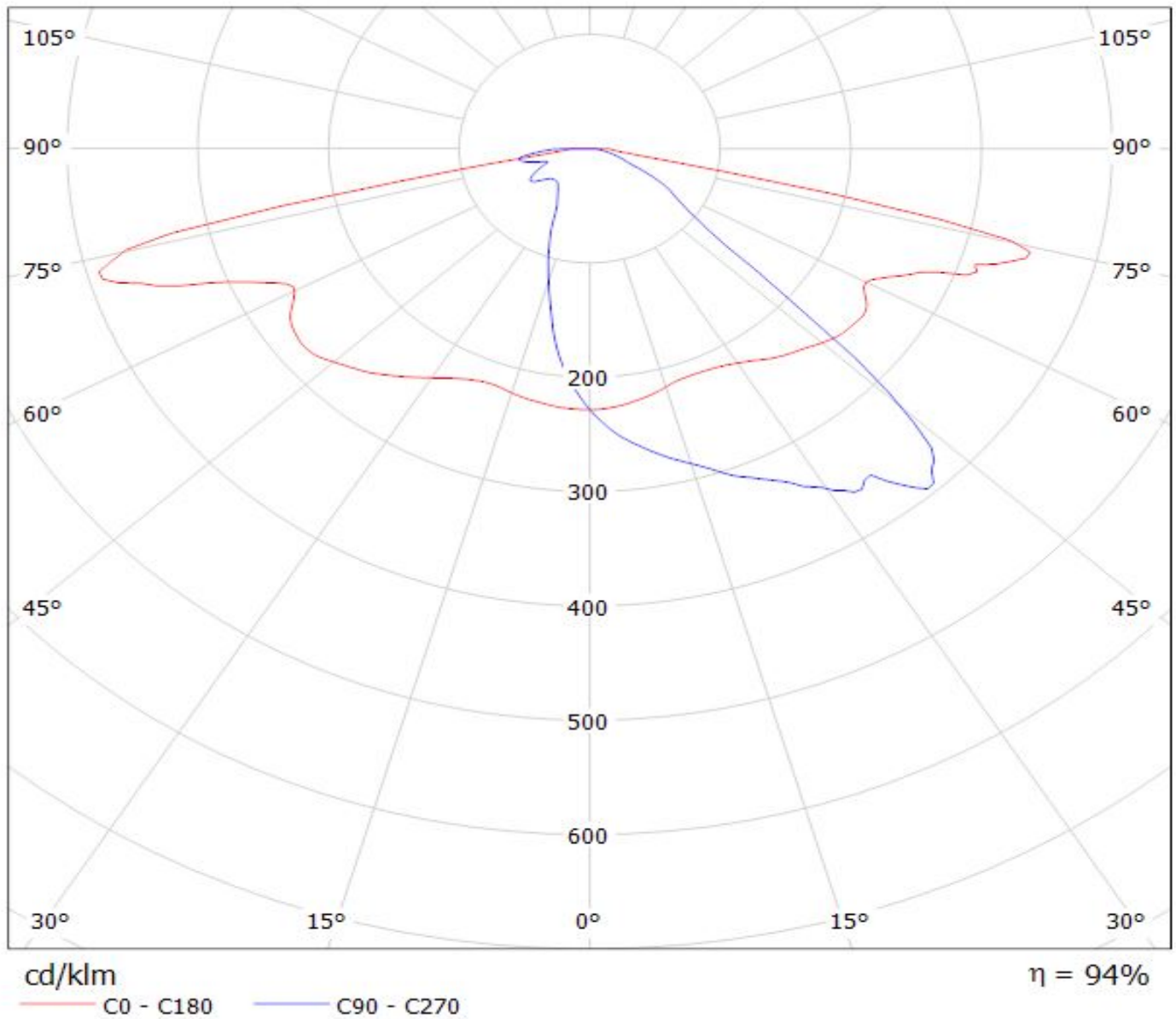
— C90 - C270

$\eta = 95\%$

# LEDiL Oy C13299\_STRADA-2X2-ME\_(Z5M) Eff.94.0% / LDC (Polar)

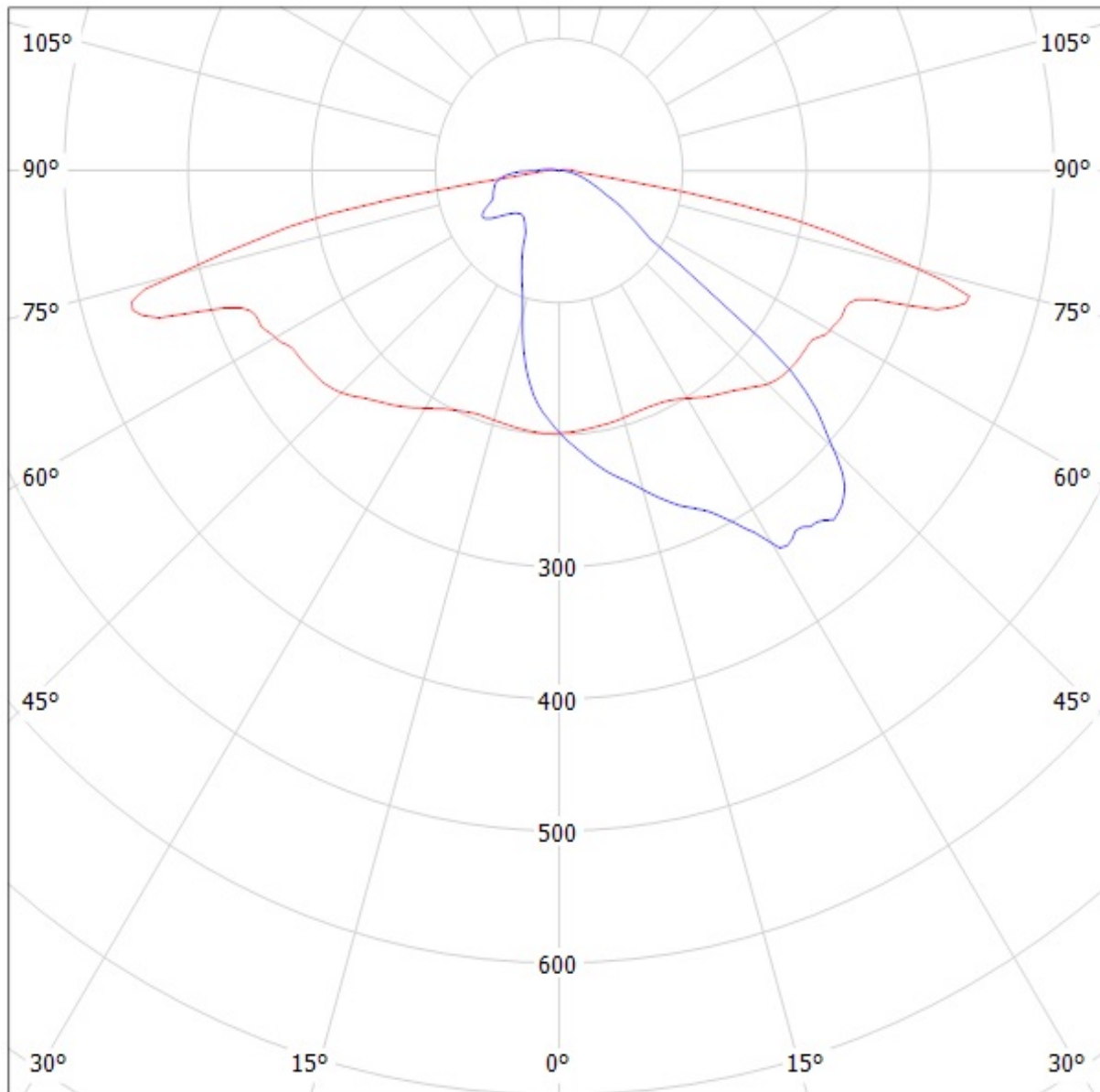
Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(Z5M) Eff.94.0%

Lamps: 1 x SEOUL\_Z5M\_(SZ5-M0-W0-00)\_364.5lm@250mA\_P=2.95788W\_I=249.8mA



Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(XP-L)

Lamps: 1 x CREE\_XP-L\_2x2\_(XPLAWT-0-1B0-V40-00-0001)\_518.95lm@250mA\_CCT=7600K\_P=2.79963W\_I=249.9mA



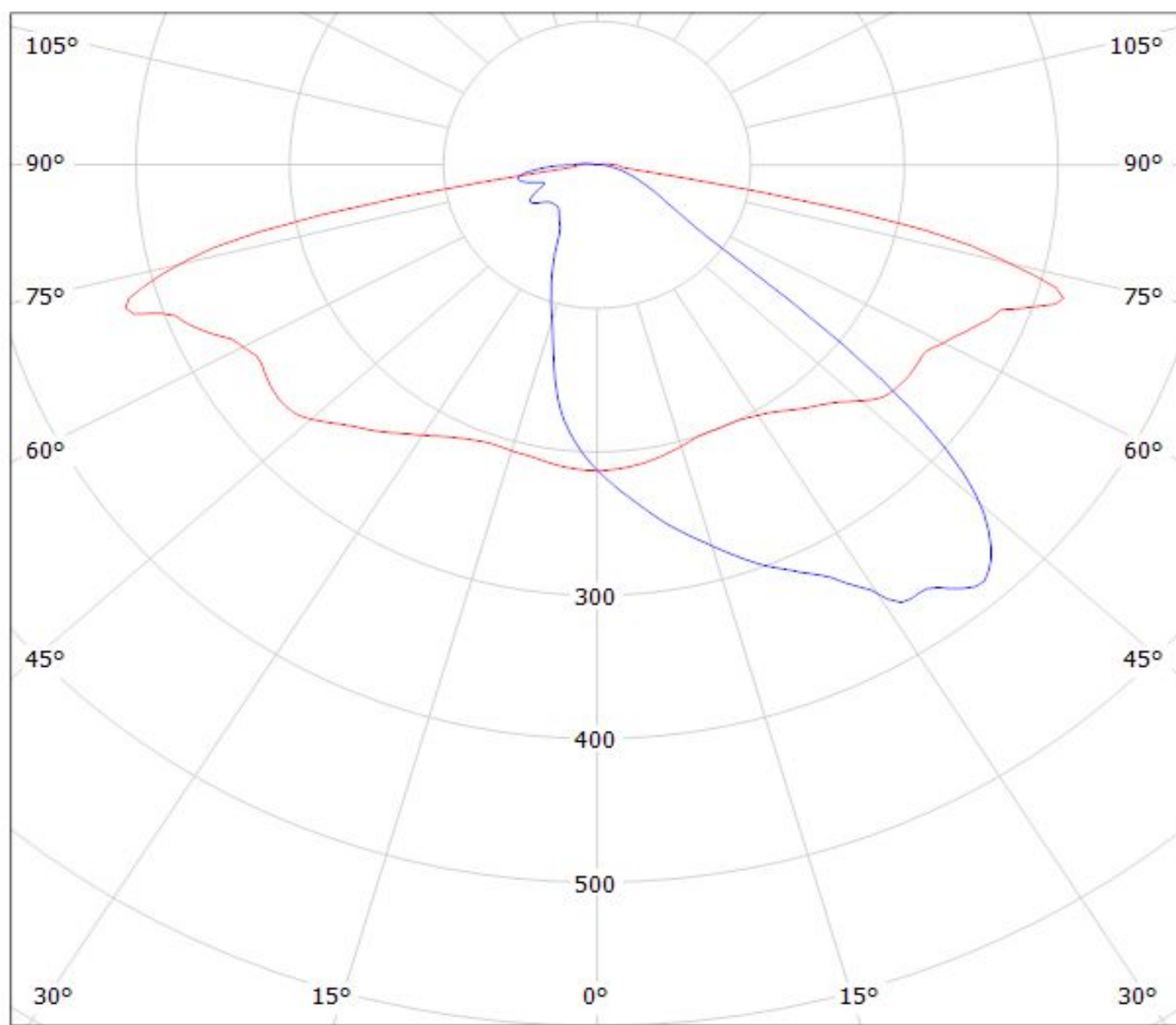
cd/klm

— C0 - C180    — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C13299\_STRADA-2X2-ME\_(LH351B)

Lamps: 1 x SAMSUNG\_LH351B\_2x2\_442.45lm@250mA\_P=2.84311W\_I=249.9mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

**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.**