

## DETAILS

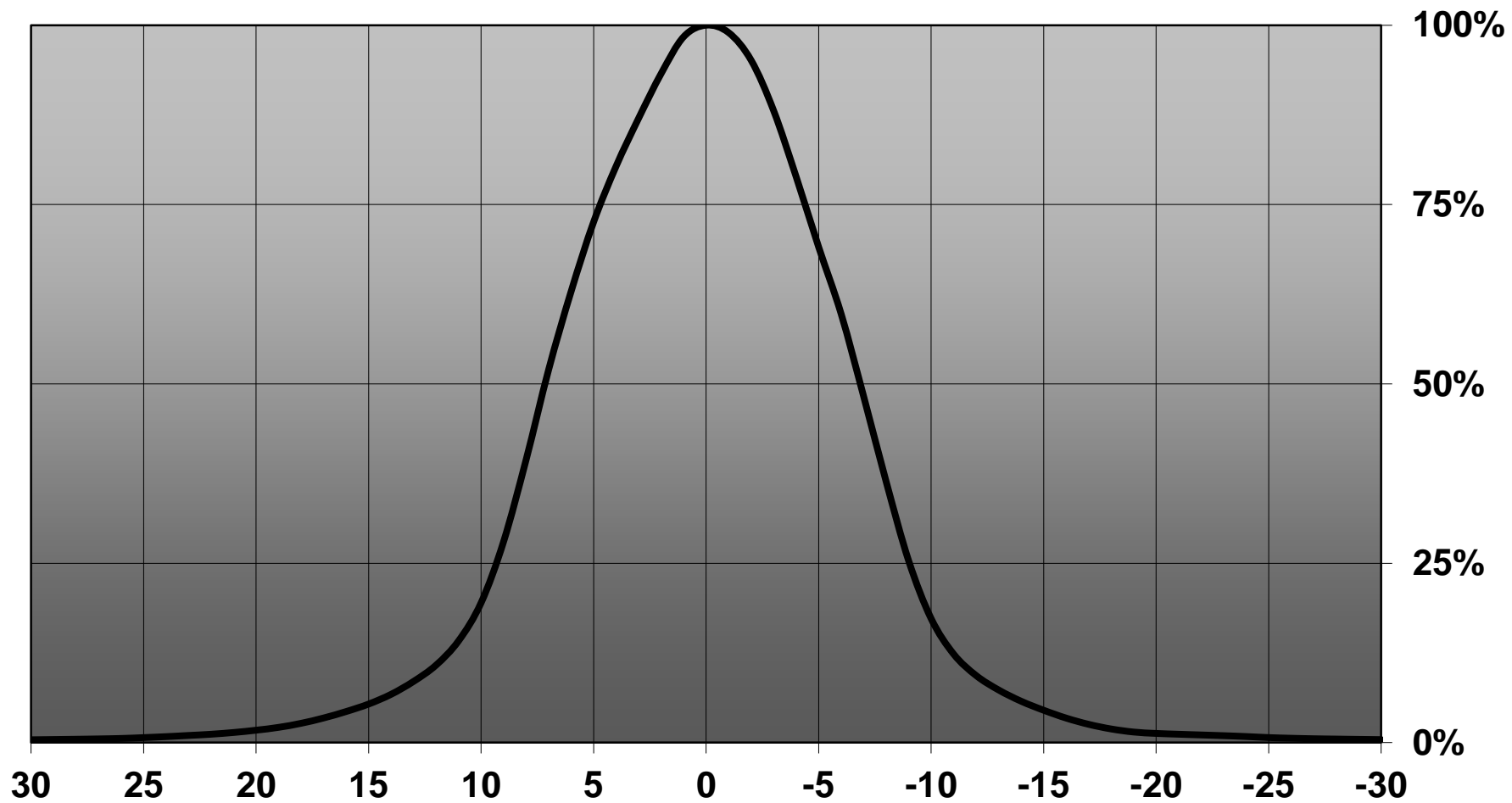
<b>Product Number</b>	C14541_HB-2X2-RS
<b>Family</b>	High Bay
<b>Type</b>	Lens array
<b>Color</b>	clear
<b>Diameter</b>	50 x 50 mm
<b>Height</b>	10 mm
<b>Style</b>	rectang
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	screw
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	3/01/2017



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XM-L2	sim: 18	Real spot	sim: 95 %	sim: 6.900	-
XP-G2	14 deg	Real spot	94 %	11.800	-
XP-G	sim: 13	Real spot	sim: 93 %	sim: 12.100	-
XM-L	sim: 19	Real spot	sim: 92 %	sim: 5.620	-
XP-E2	10 deg	Real spot	94 %	22.100	-
XHP35 HD	sim: 20	Real spot	sim: 91 %	sim: 5.100	-
XHP35 HI	sim: 14	Real spot	sim: 93 %	sim: 9.900	-
NWSx229A	23 deg	Real spot	94 %	4.500	-
NVSxx19B/NVSxx19C	17 deg	Real spot	93 %	8.000	-
NVSW3x9A	19 deg	Real spot	94 %	6.600	-
NVSxE21A	11 deg	Real spot	89 %	11.100	-
Oslon Square Gen3	15 deg	Real spot	90 %	11.000	-
Fortimo FastFlex LED board 2x8/740 DA 33deg	33 deg	Real spot	93 %	12.500	-
LH351B	17 deg	Real spot	89 %	8.040	-
LH351D	22 deg	Real spot	94 %	4.900	-
Z5M1/Z5M2	sim: 13	Real spot	sim: 92 %	sim: 12.100	-
Z8Y22P	16 deg	Real spot	93 %	6.900	-
RLE G1 49x223mm 4000lm xxx EXC OTD3 deg	3 deg	Real spot	94 %	10.900	-
RLE G1 49x245mm 4000lm xxx EXC OTD3 deg	3 deg	Real spot	94 %	10.900	-
RLE G1 49x121mm 2000lm xxx EXC OTD3 deg	3 deg	Real spot	94 %	10.900	-
RLE G1 49x133mm 2000lm xxx EXC OTD3 deg	3 deg	Real spot	94 %	10.900	-

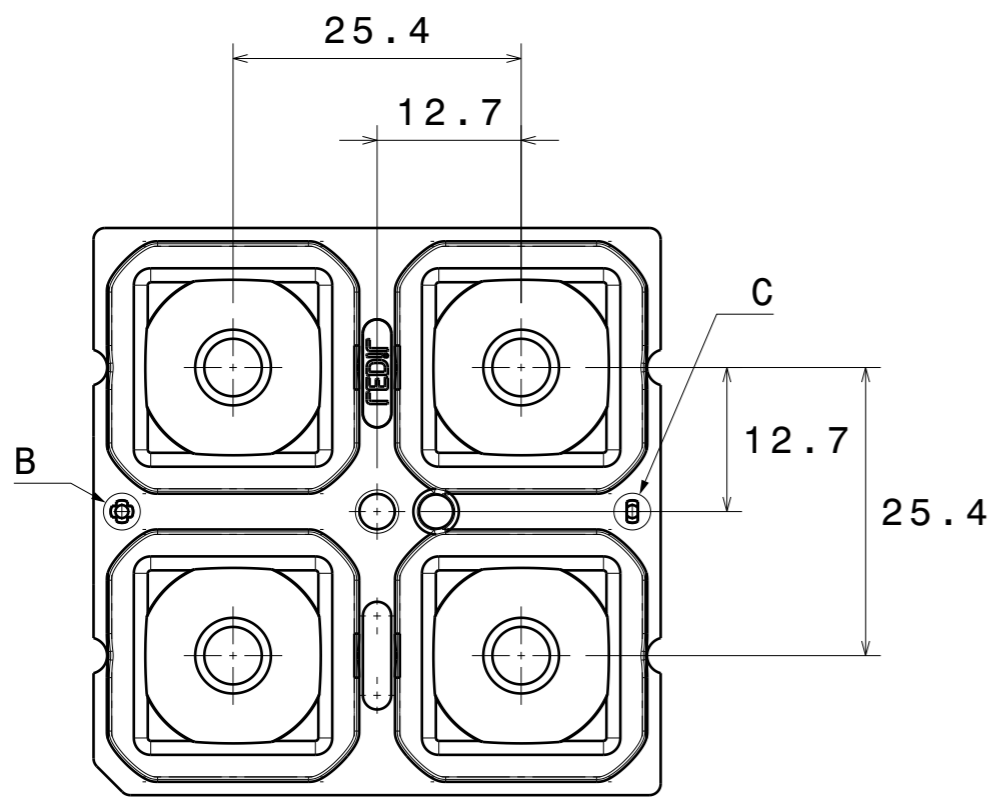
Relative intensity of C14541\_HB-2X2-RS\_(XP-G2)



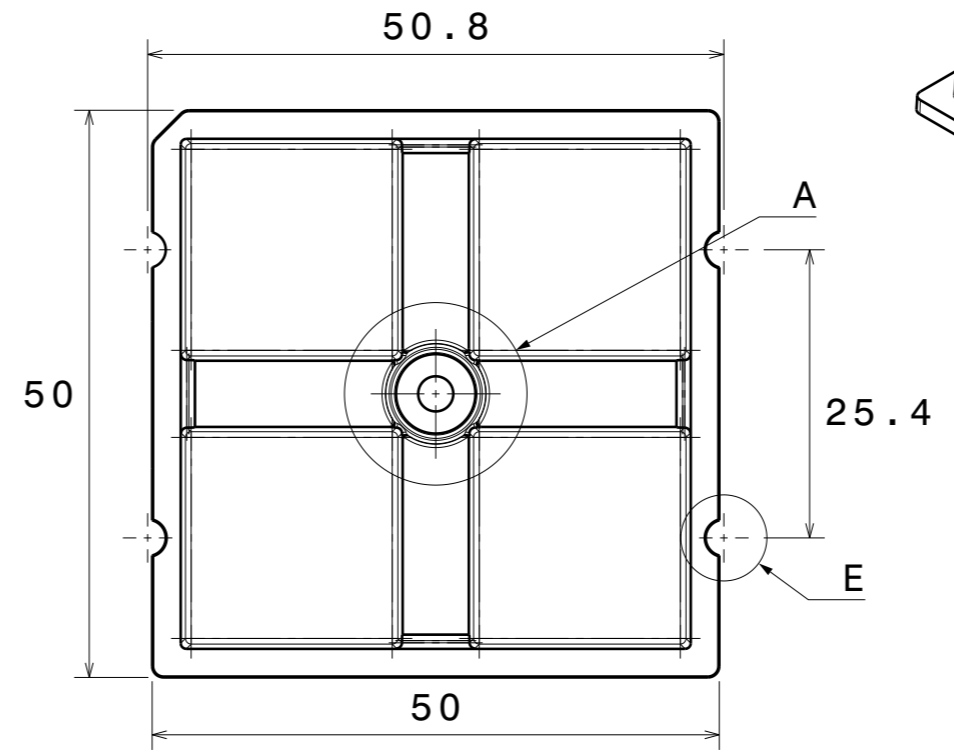
H G F E D C B A

4

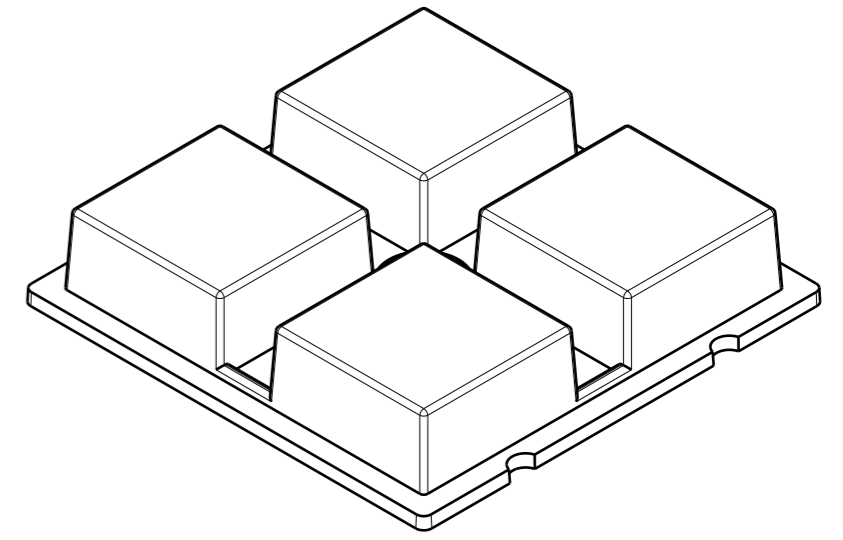
4



Bottom view



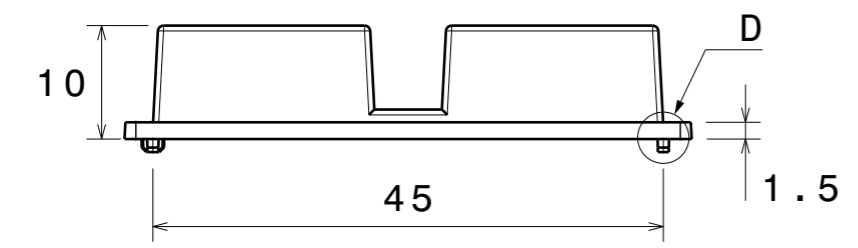
Top view



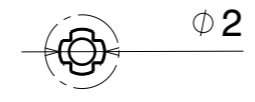
Isometric view

3

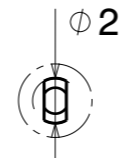
3



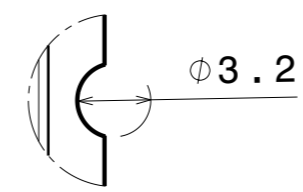
Front view



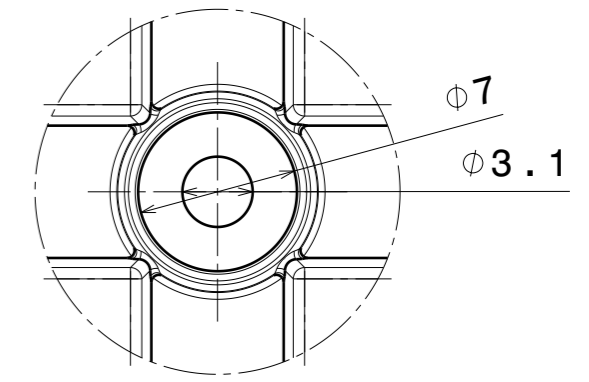
Detail B



Detail C



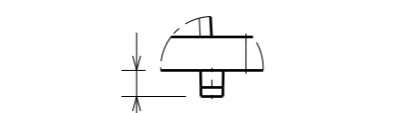
Detail E



Detail A

2

2



Detail D

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  
**C14541\_HB-2X2-RS**

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>C14541</b>		

SCALE	3:2	WEIGHT	-	SHEET	1/1
-------	-----	--------	---	-------	-----

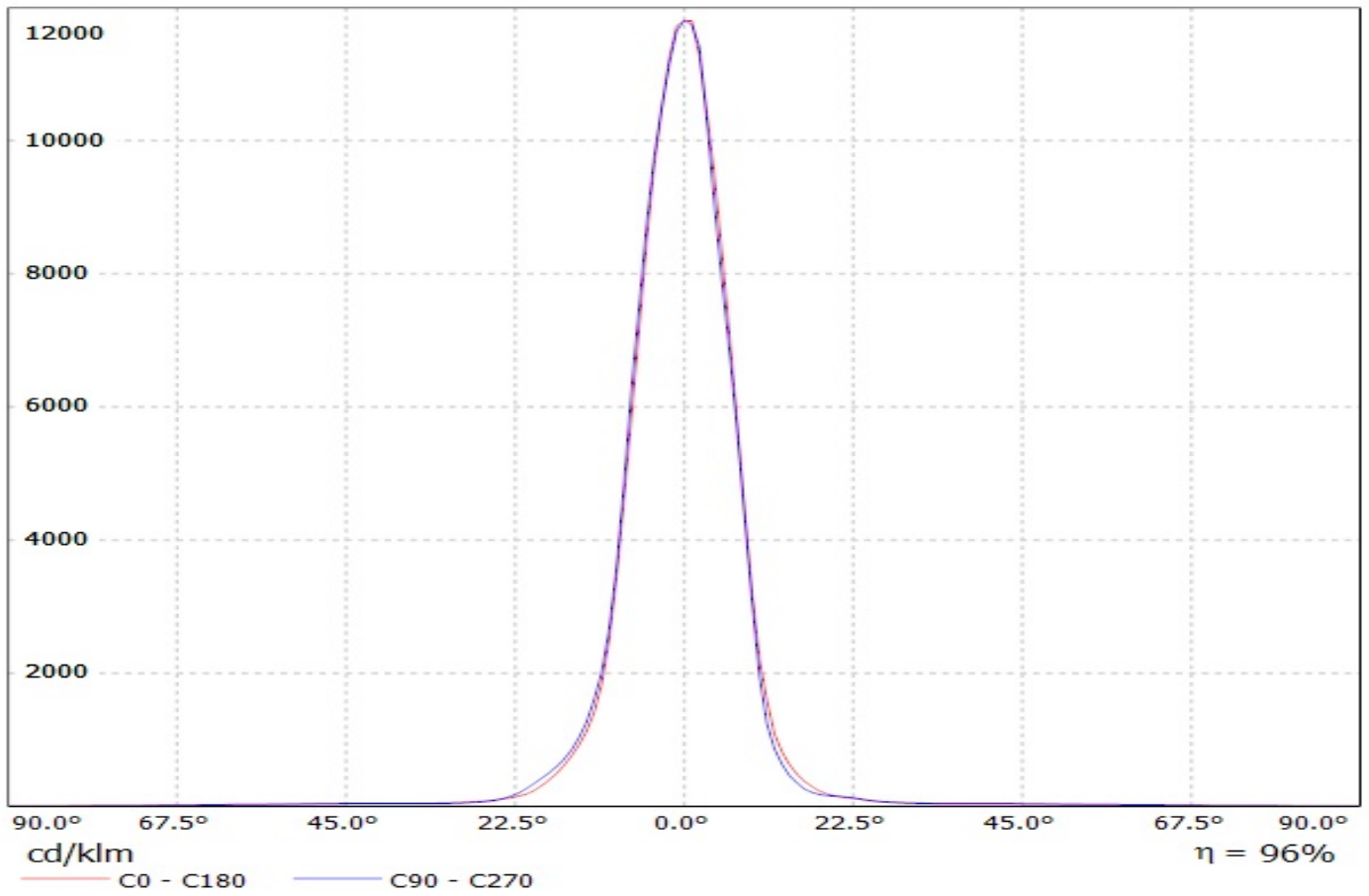
H G B A

1

1

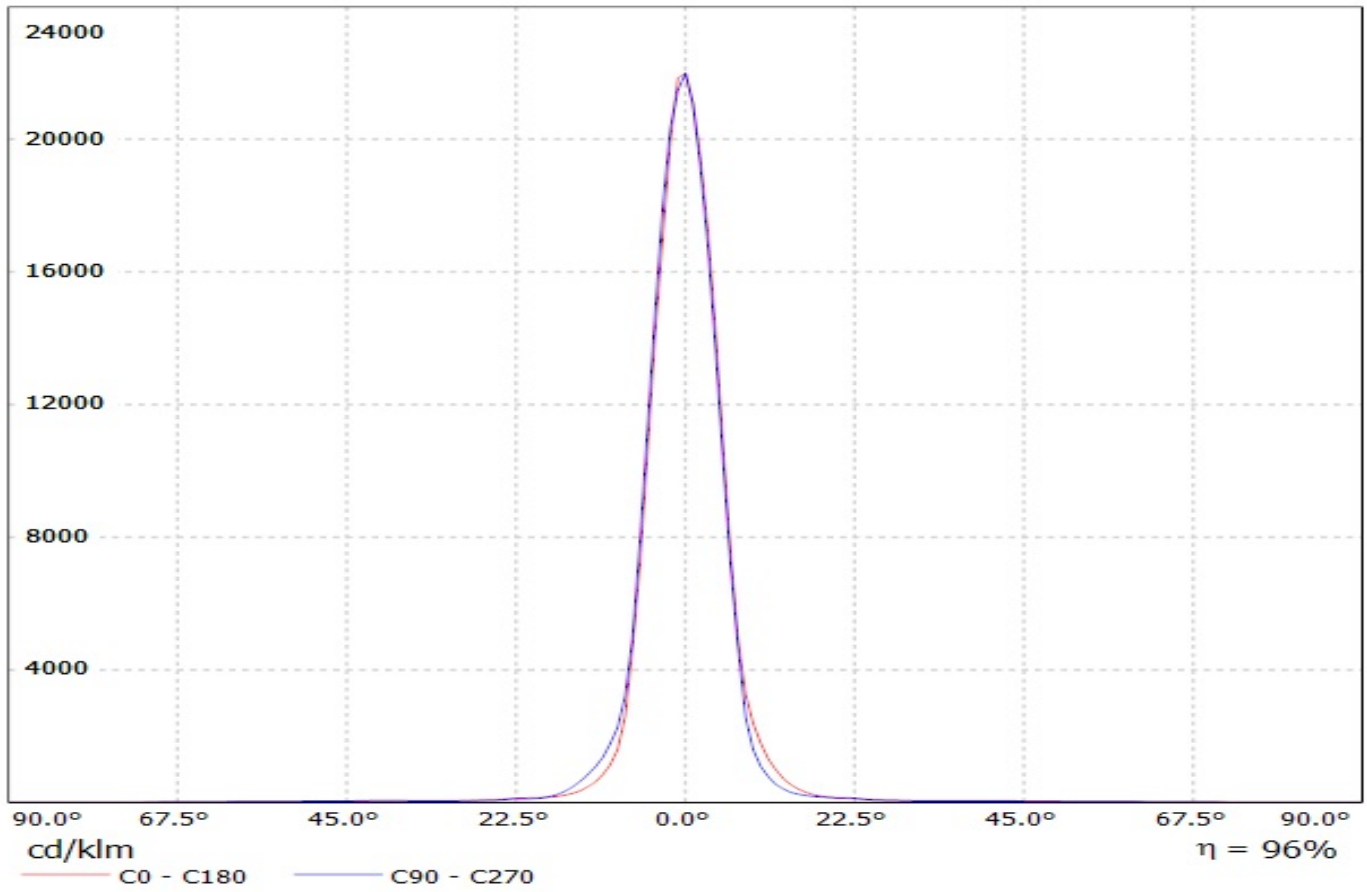
Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(XP-G2\_(XPGBWT-L1-000-00G51)

Lamps: 1 x Cree\_XP-G2\_(XPGBWT-L1-000-00G51)\_405.738lm@250mA\_P=2.94157W\_I=250mA

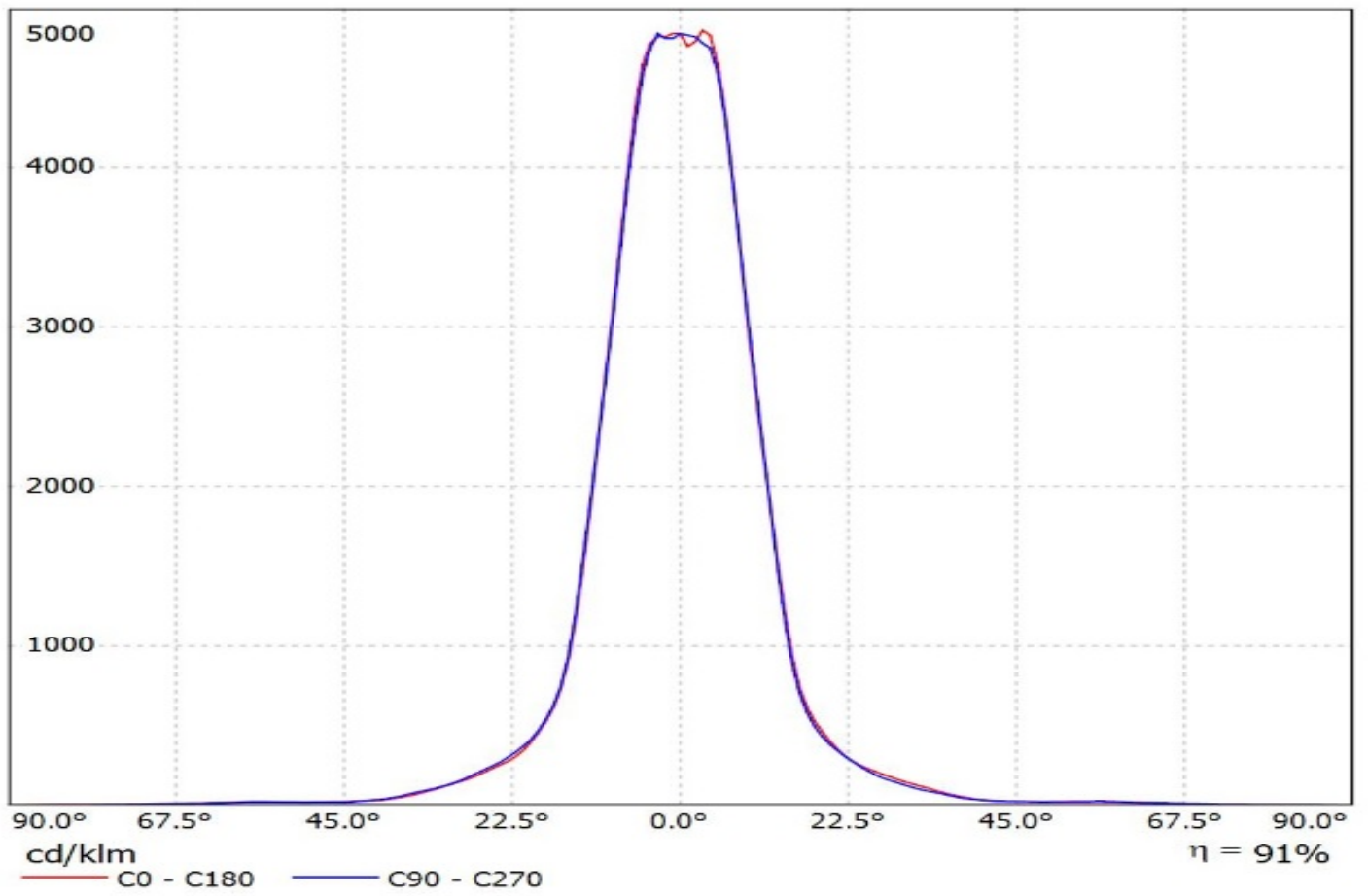


Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(XP-E2\_(XPEBWT-L1-7B4-Q4-0-01)

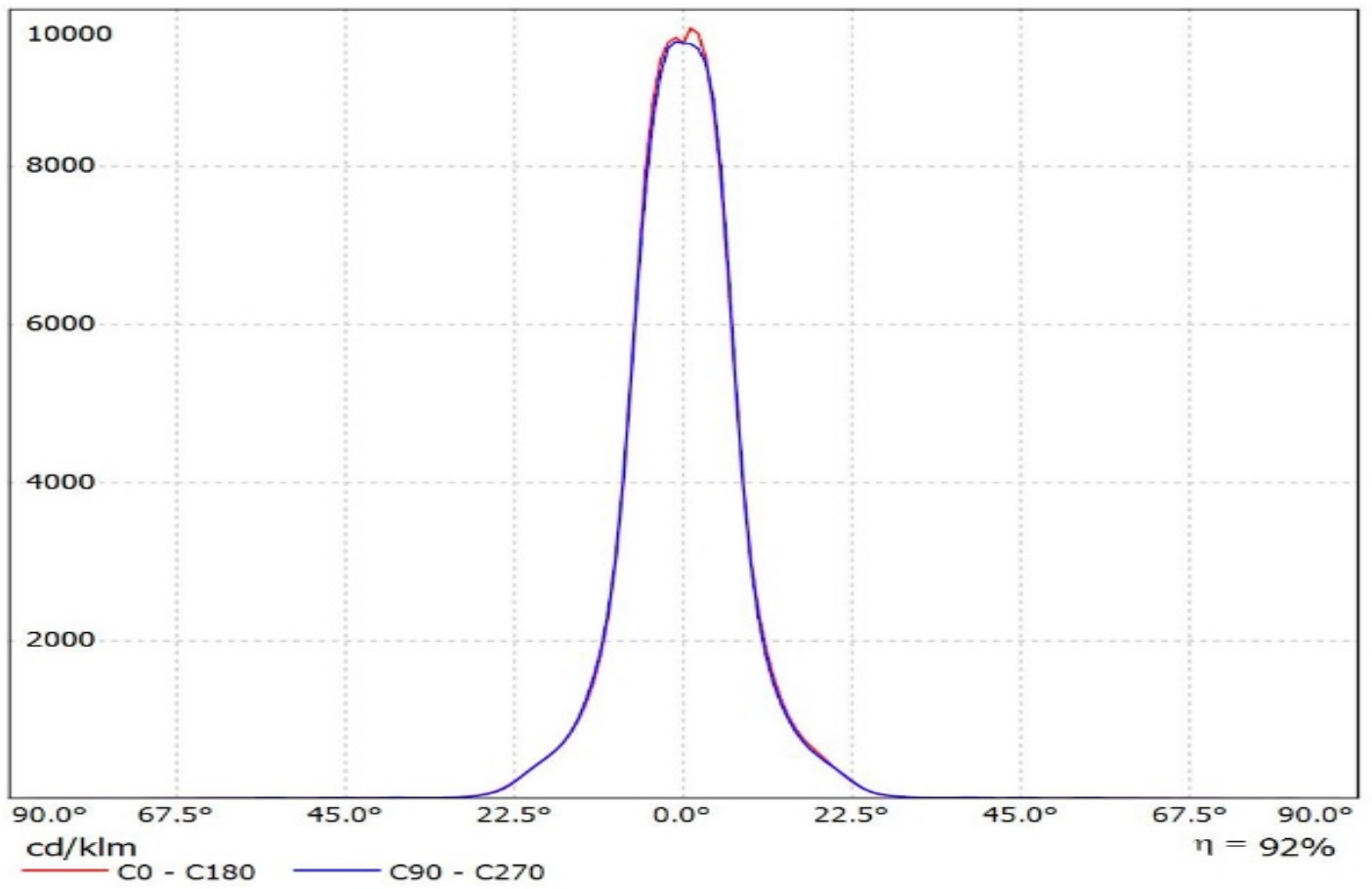
Lamps: 1 x Cree\_XP-E2\_(XPEBWT-L1-7B4-Q4-0-01)\_330.877lm@250mA\_P=2.92033W\_I=250mA



Luminaire: Ledil Oy C14541\_HB-2X2-RS\_XPH35HD\_SIMULATED  
Lamps: 1 x CREE XPH35HD

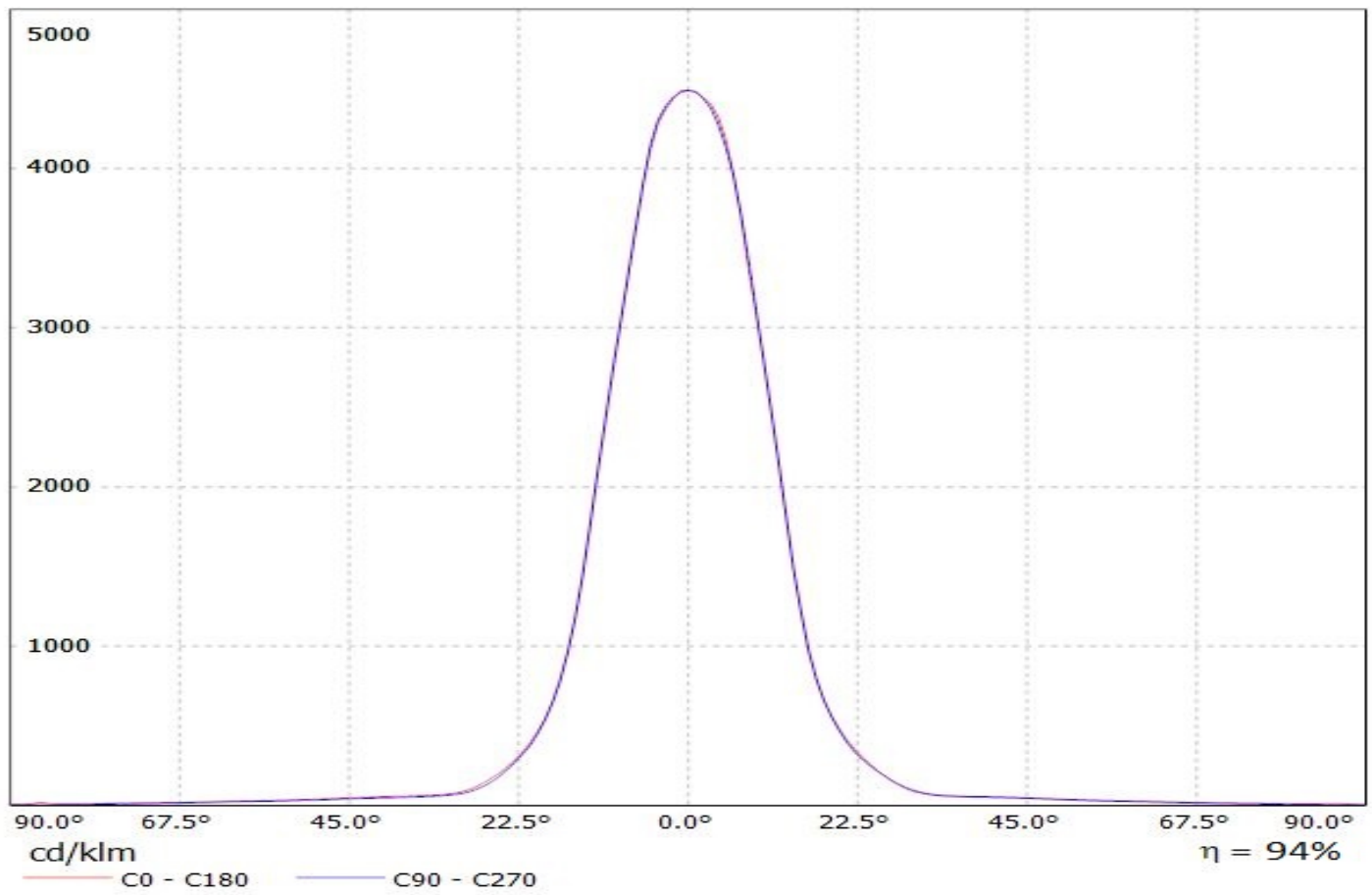


Luminaire: Ledil Oy C14541\_HB-2X2-RS\_XPH35HI\_SIMULATED  
Lamps: 1 x CREE XPH35HI



Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(NWSL229AE)

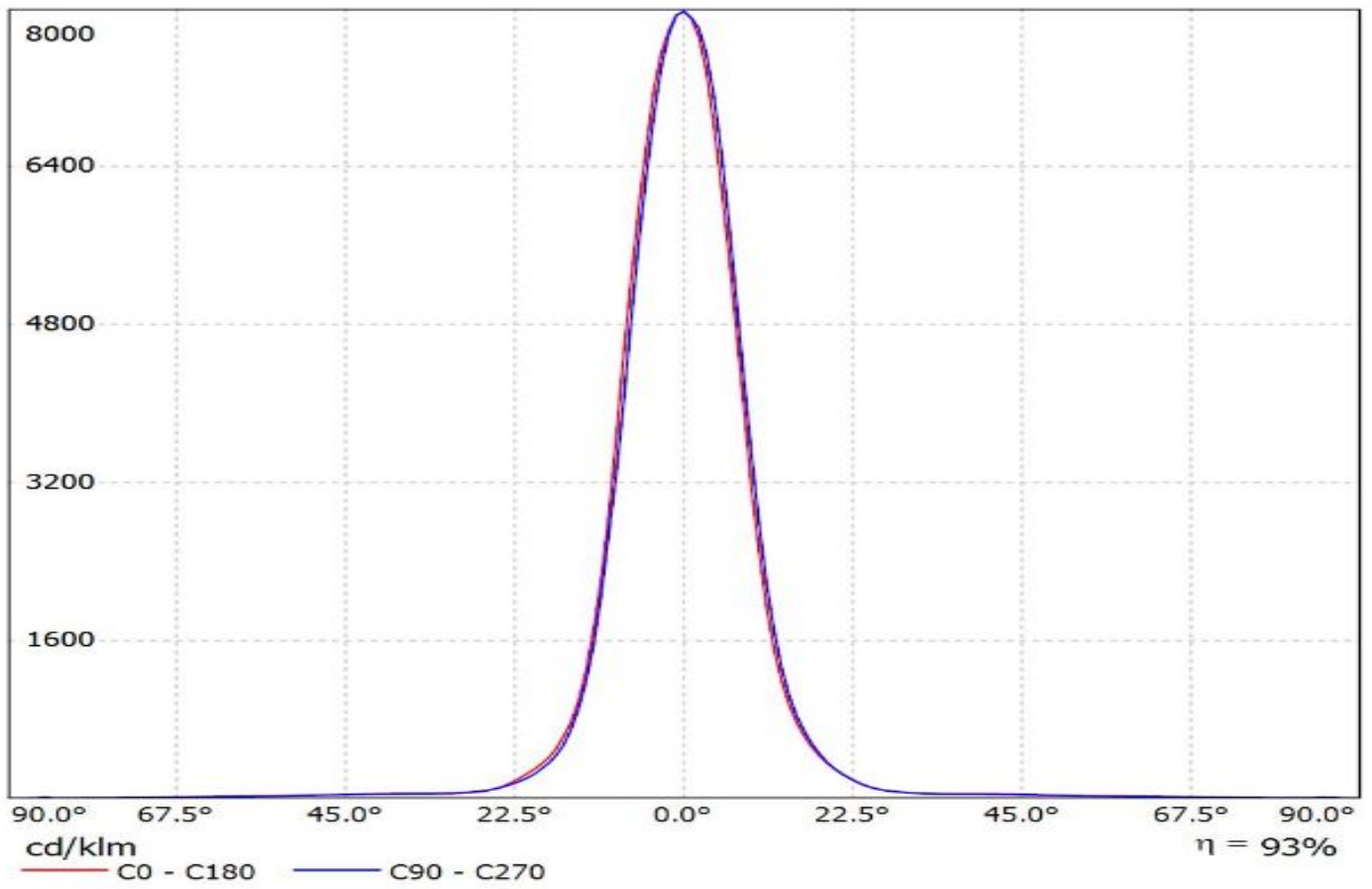
Lamps: 1 x Nichia\_2X2\_NWSL229AE\_476.548lm@250mA\_P=2.7515W\_I=0.250A





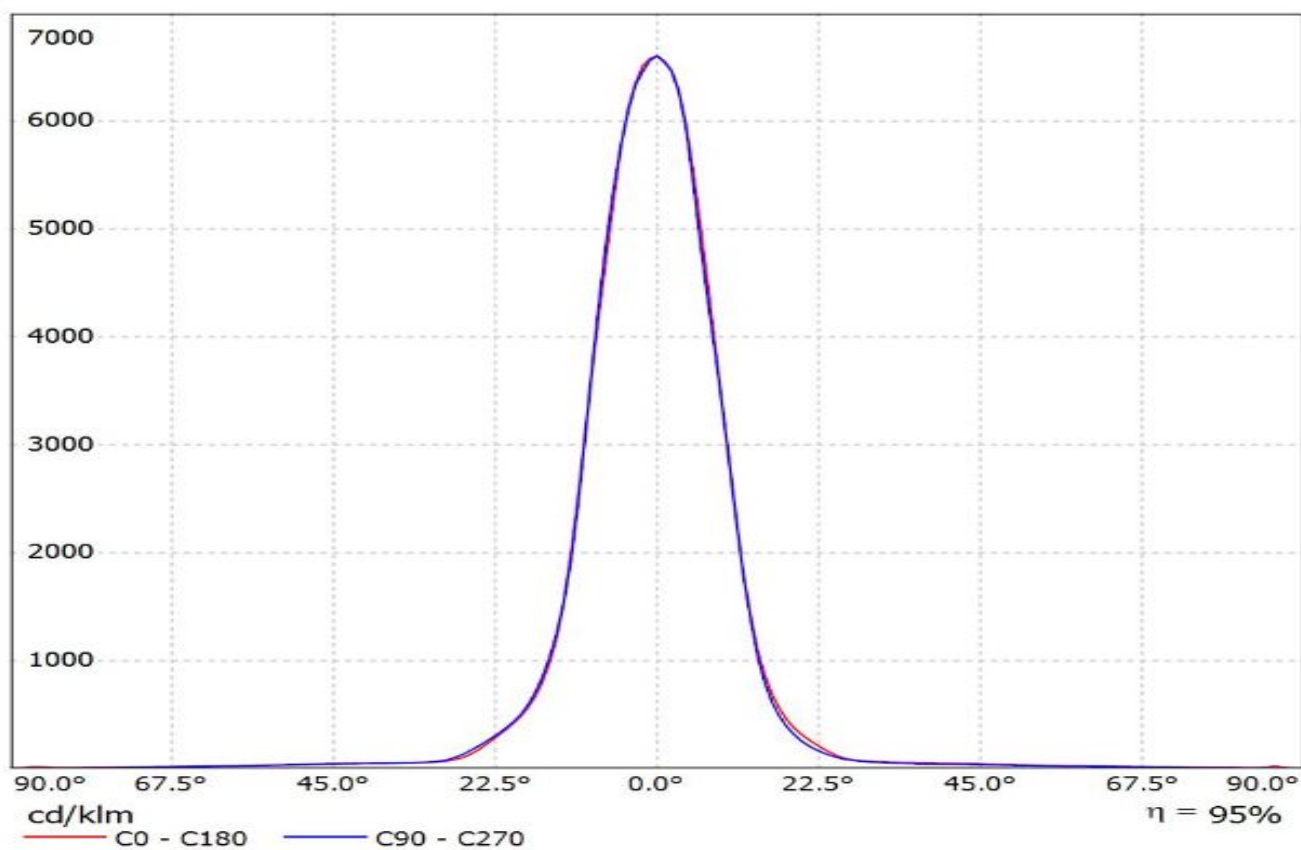
Luminaire: Ledil C14541\_HB-2x2-RS\_(NVSL219CE)

Lamps: 1 x Nichia\_NVSL219CE\_496.405lm@250mA\_CCT=4000K\_P=2.8465W\_I=0.25A



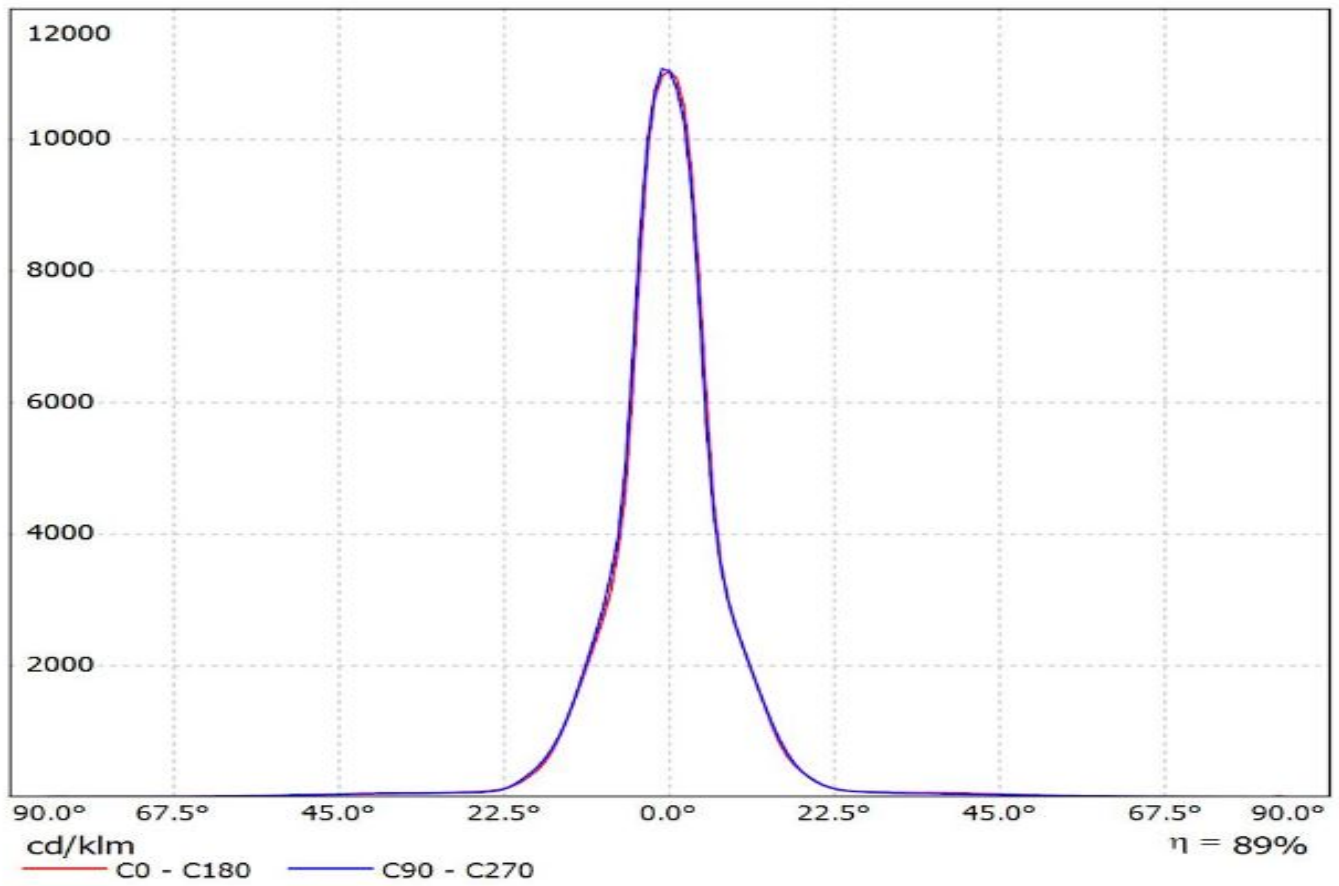
Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(NVSW3x9A)

Lamps: 1 x Nichia\_NVSW3x9A\_(sm405/R70)\_483.482lmP=2.75904W\_I=0.250A

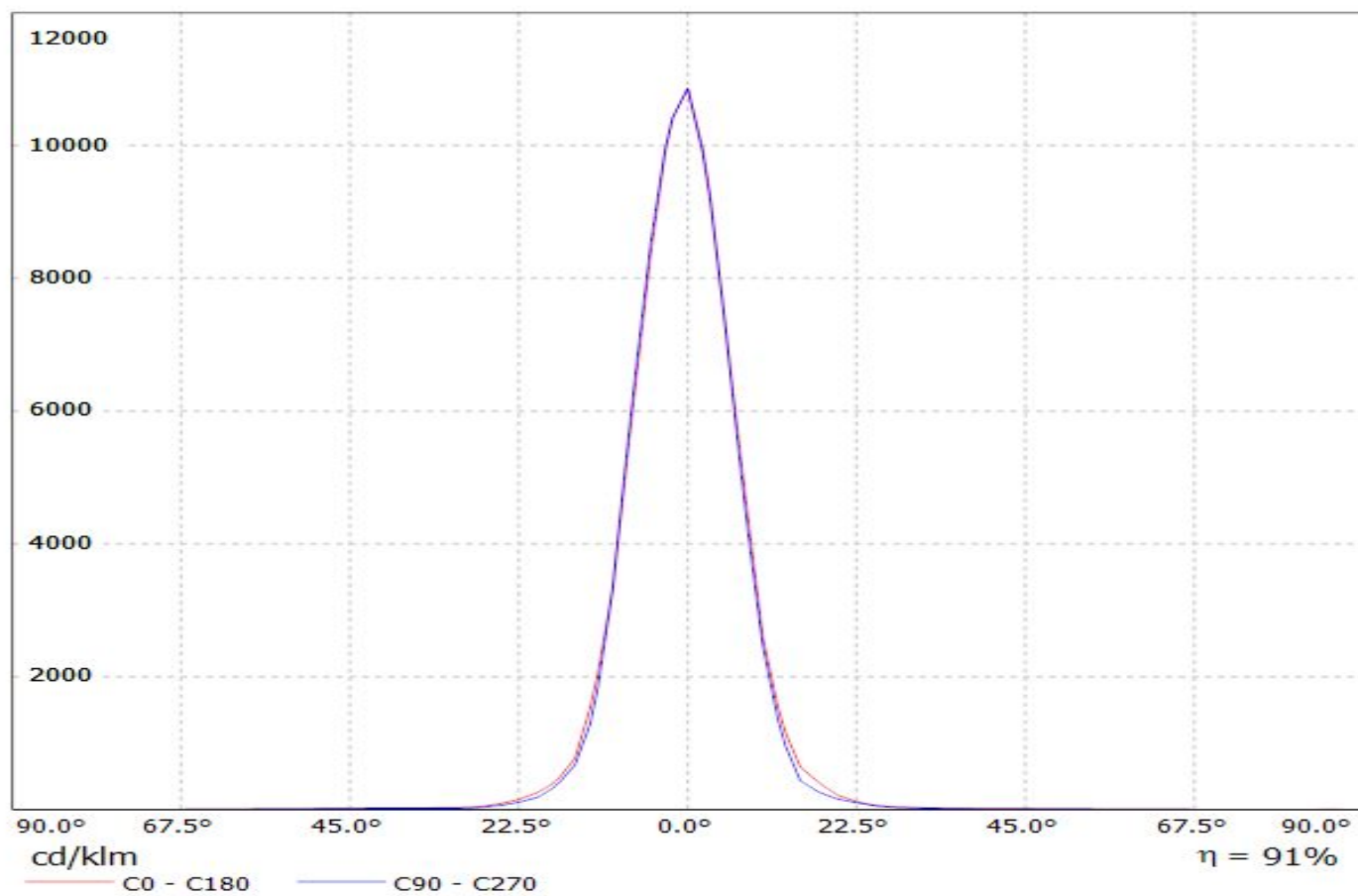


Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(E21A)

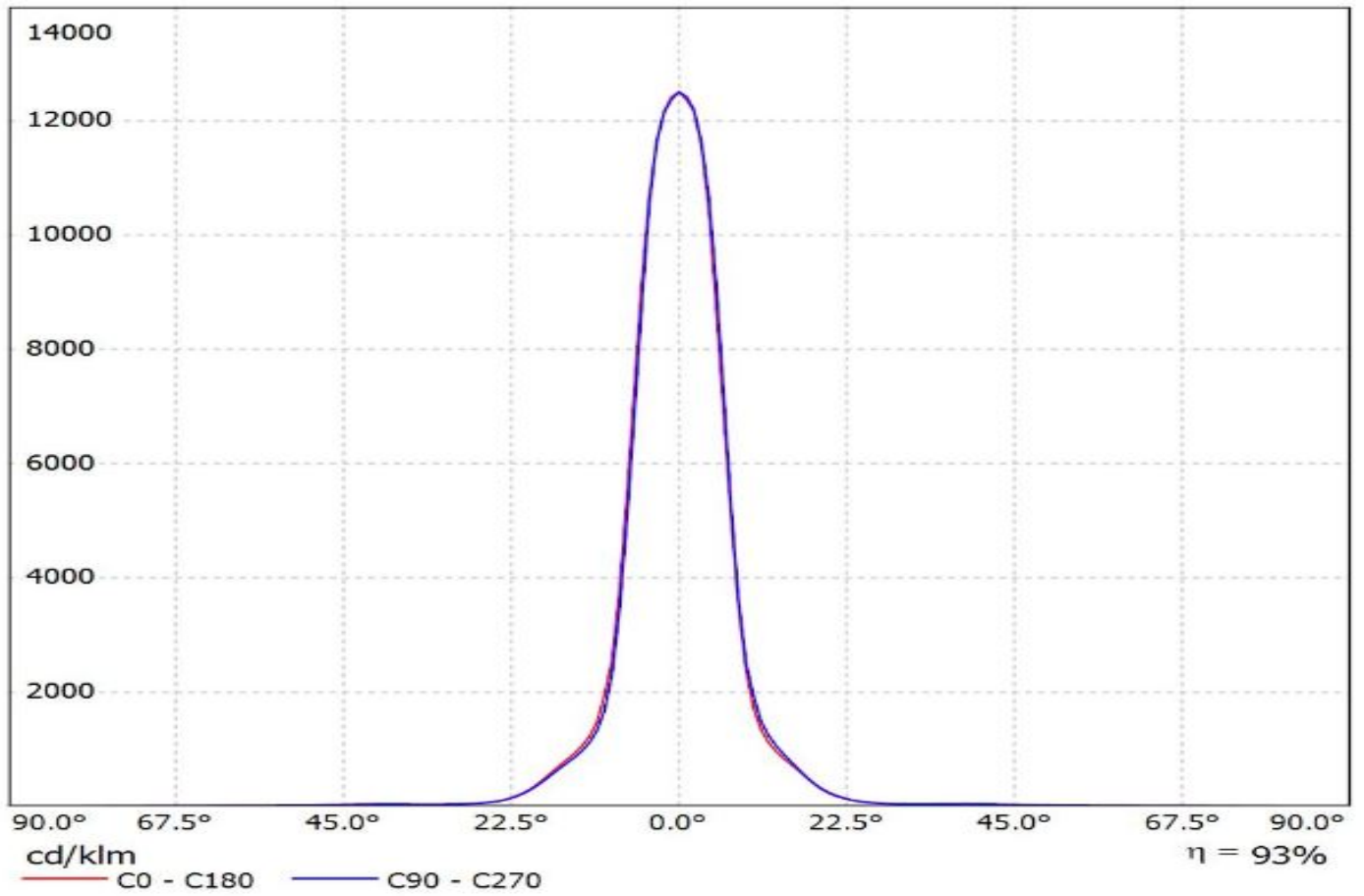
Lamps: 1 x Nichia\_E21A\_2X2\_454.11lm@250mA\_P=2.81W\_I=0.250A



Luminaire: LEDiL Oy  
Lamps: 1 x C14541-HB-2x2-RS\_(SQ\_Gen3)

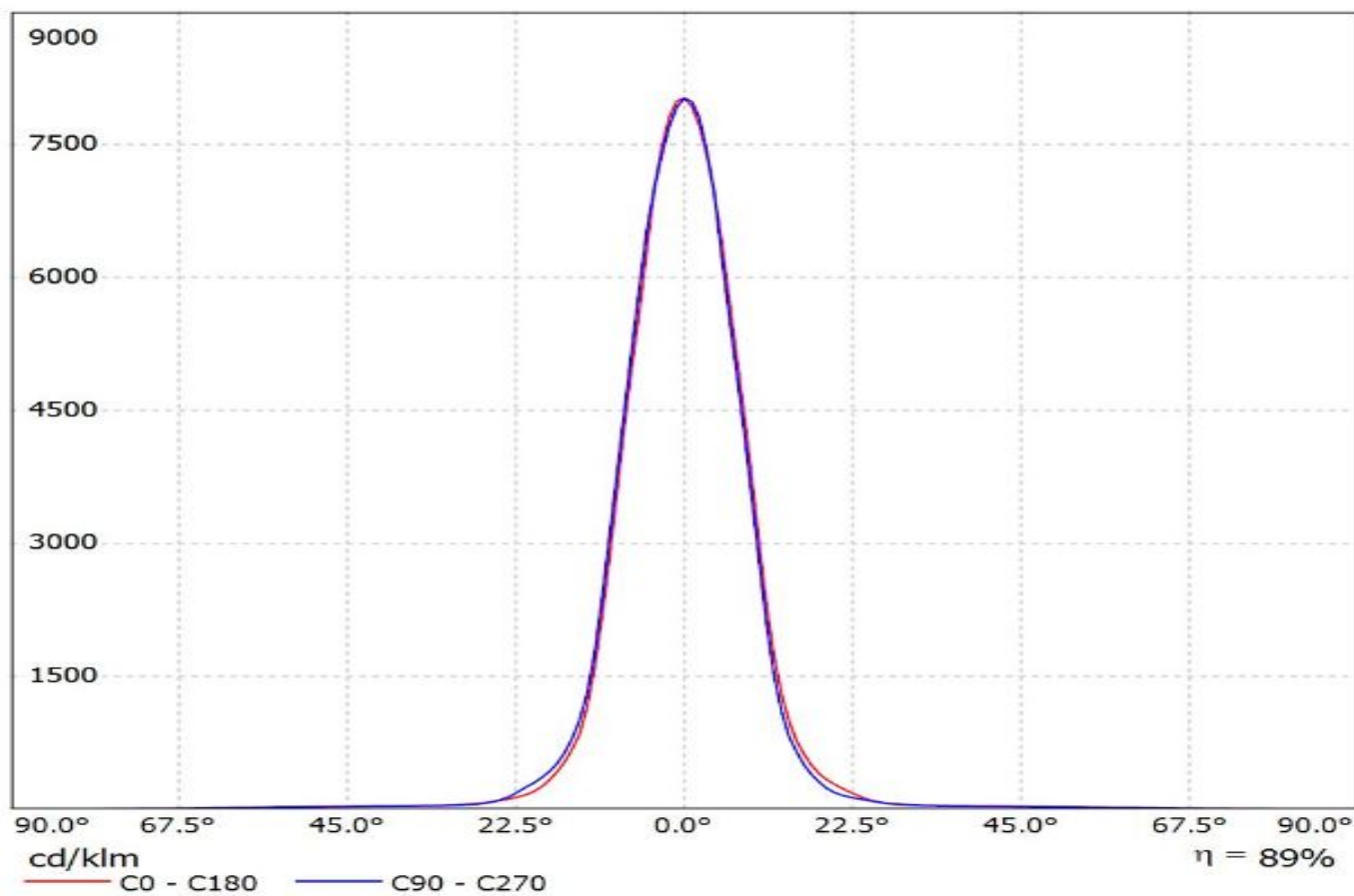


Luminaire: Ledil C14541\_HB-2X2-RS\_(Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3)  
Lamps: 1 x Fortimo\_FastFlex\_LED\_board\_2x8/740\_DA\_G3\_1823.98lm@250mA\_P=11.65W\_I=0.25A

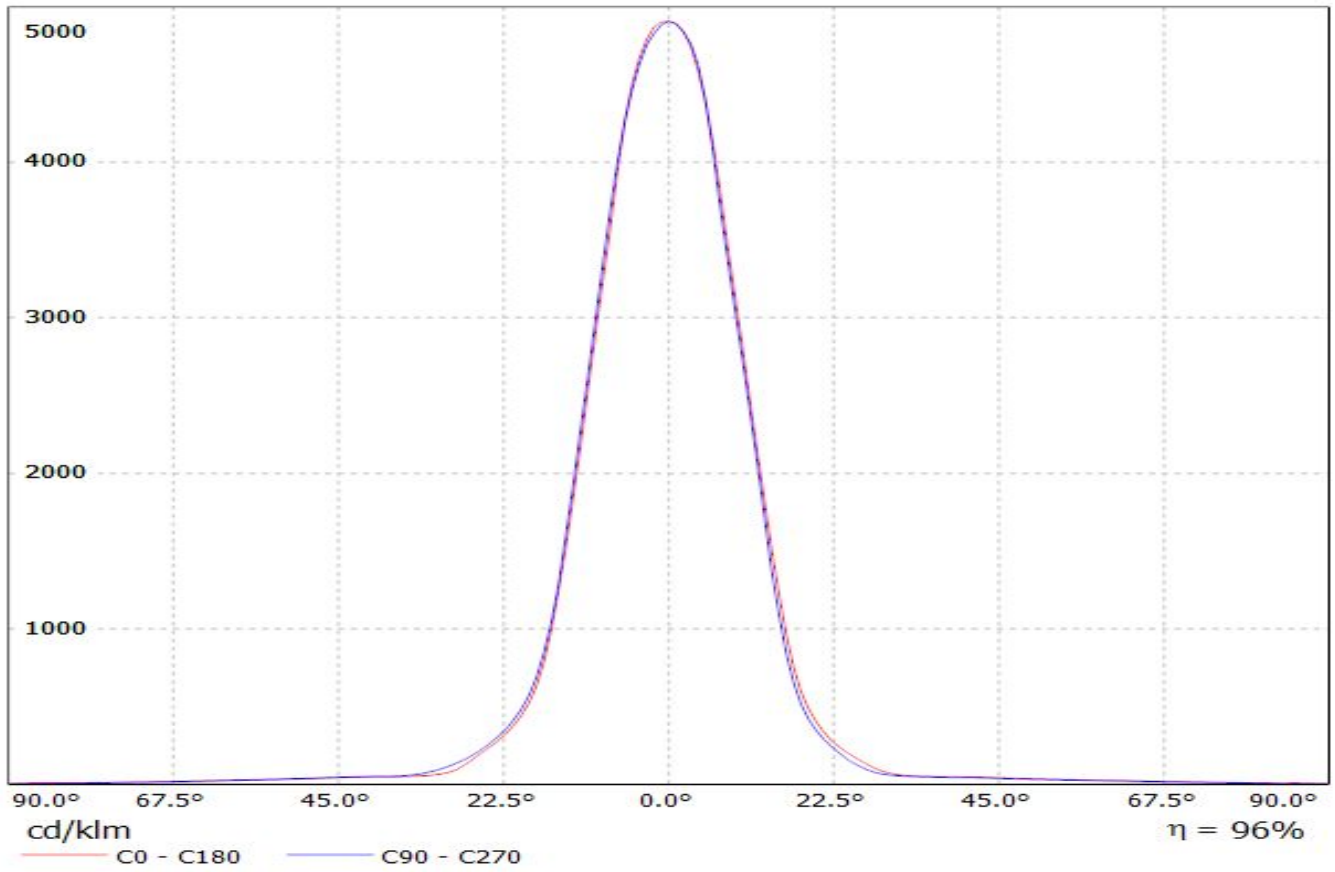


Luminaire: Ledil C14541\_HB-2X2-RS\_(LH351B)

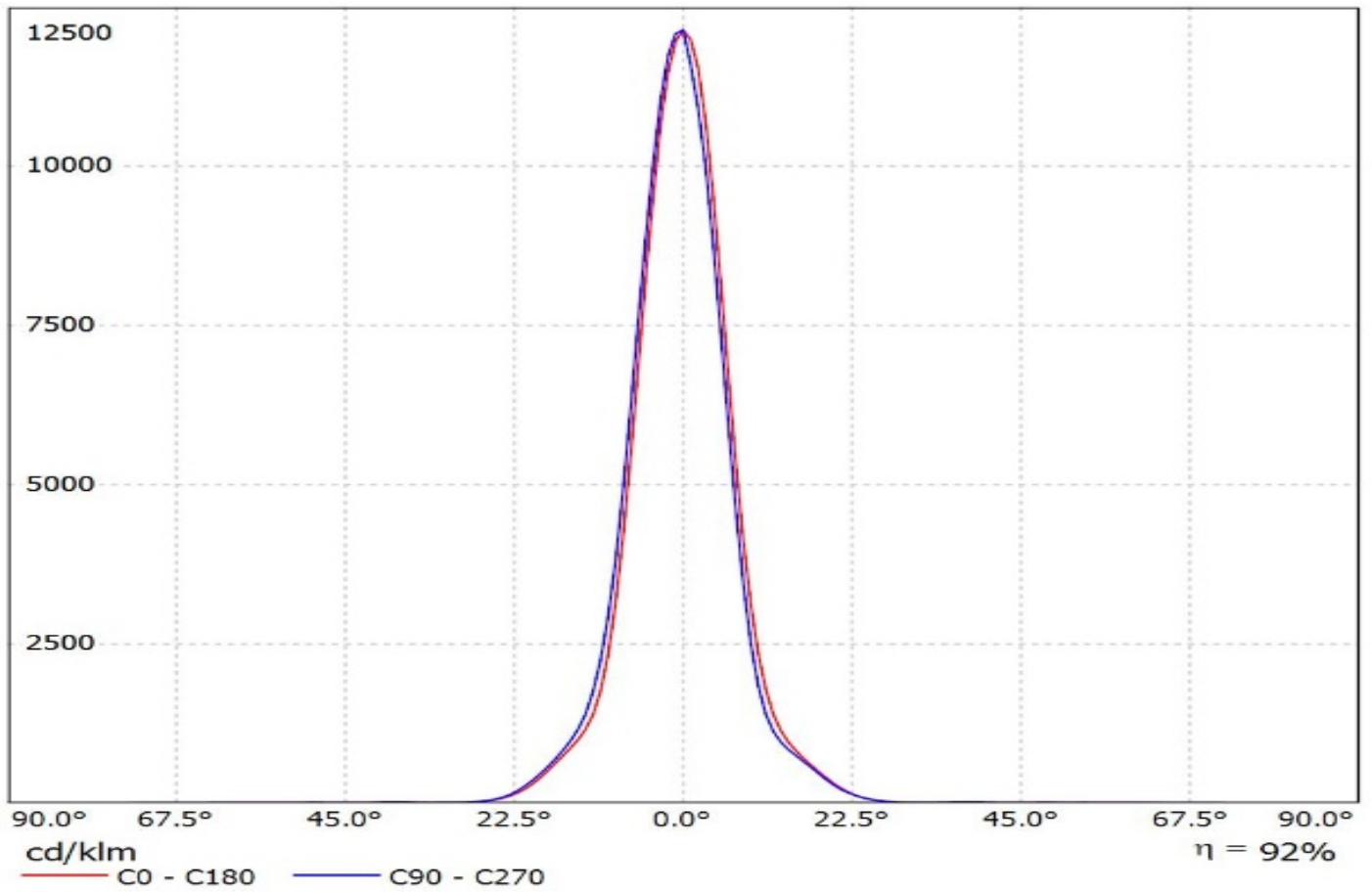
Lamps: 1 x Samsung\_LH351B\_2x2\_444.178lm@250mA\_P=2.8535W\_I=0.25A



Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(LH351D)  
Lamps: 1 x Samsung\_LH351D\_524.264lm@250mA\_P=2.7523W\_I=0.250A



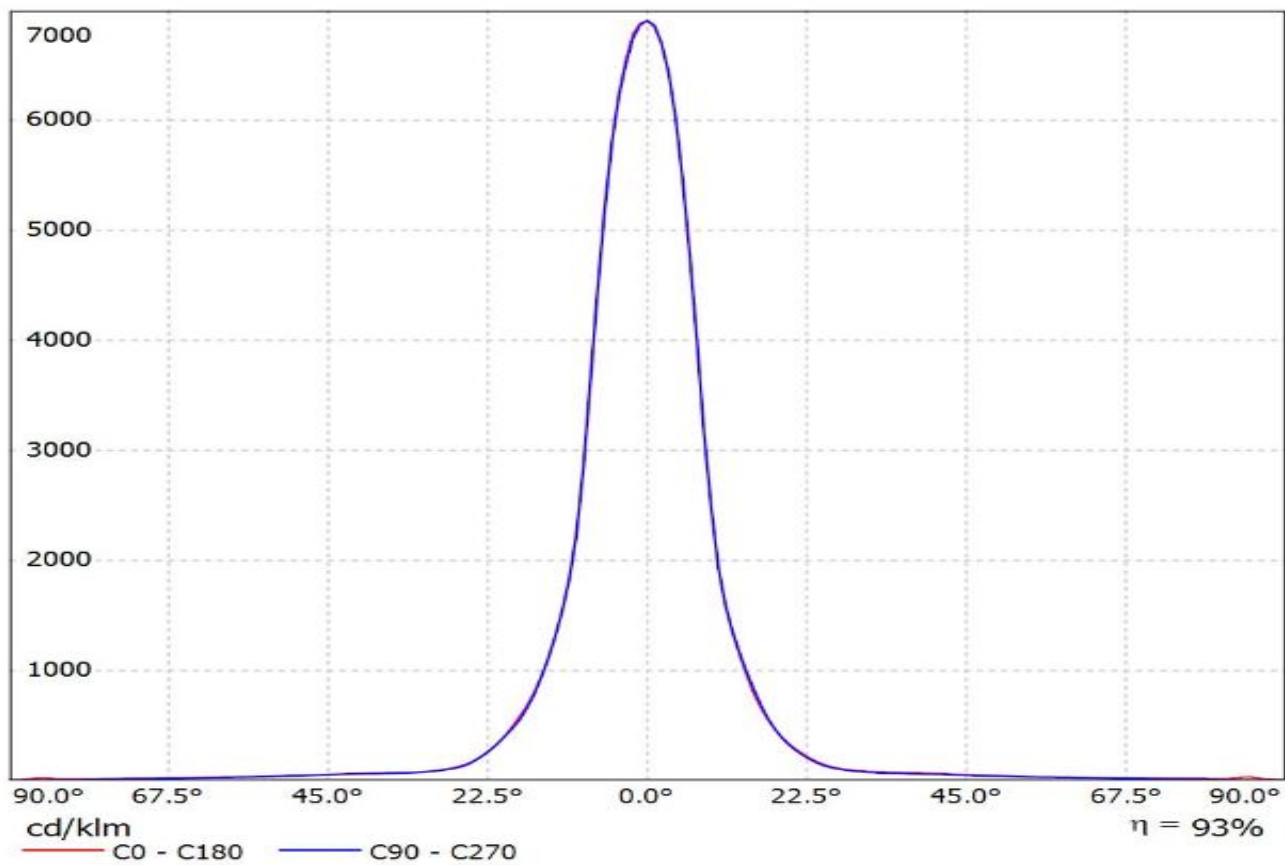
Luminaire: Ledil Oy C14541\_HB-2X2-RS\_(Z5M2)\_SIMULATED  
Lamps: 1 x Seoul Z5M2 (SZ5-M2-W0-00)



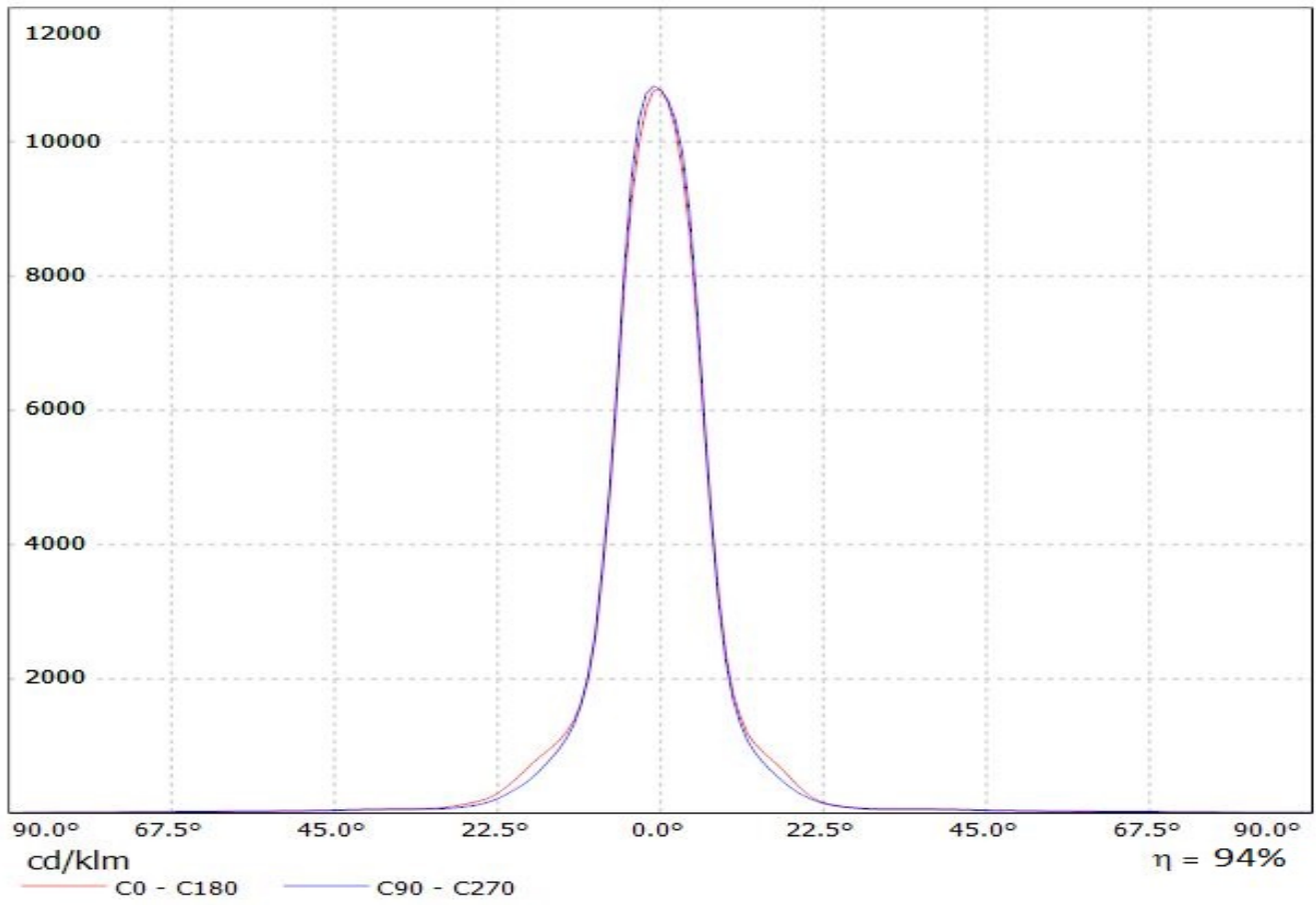


Luminaire: Ledil C14541\_HB-2X2-RS\_(Z8Y22plus)

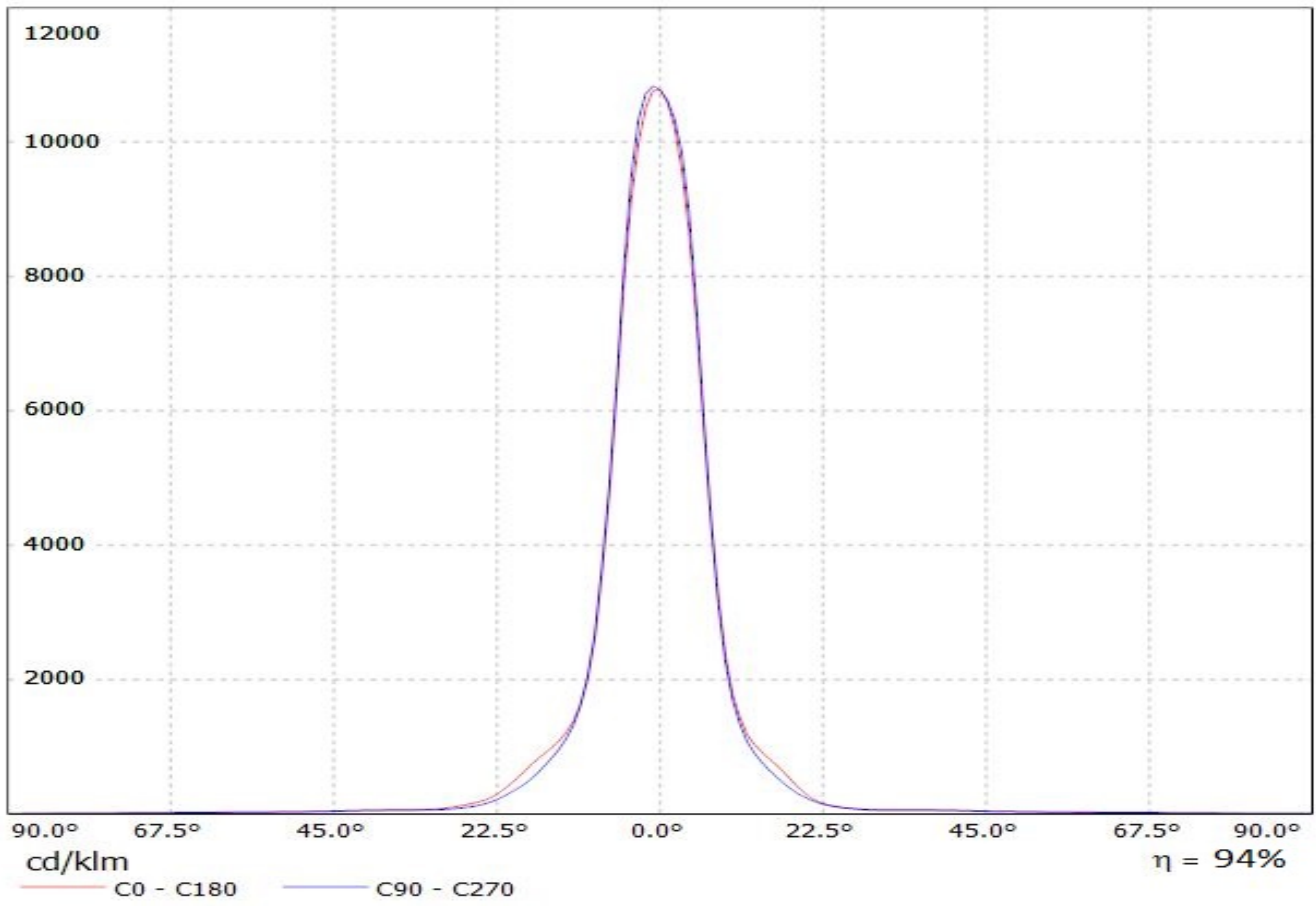
Lamps: 1 x Seoul\_Z8Y22plus\_(W6E2G)\_513.996lm@250mA\_P=2.754W\_I=0.250A



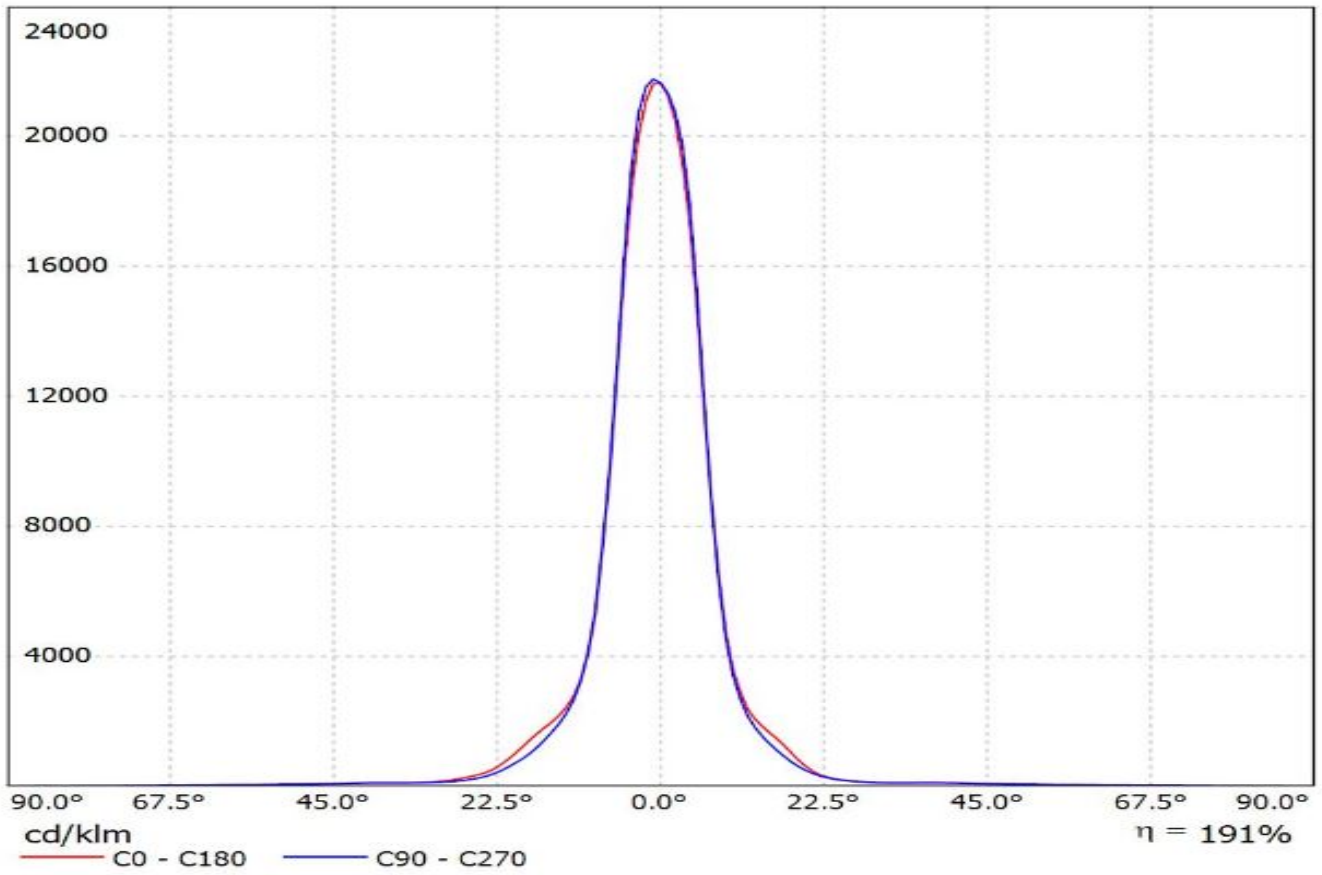
Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4594.42lm@700mA\_P=32.1515W\_I=0.700A



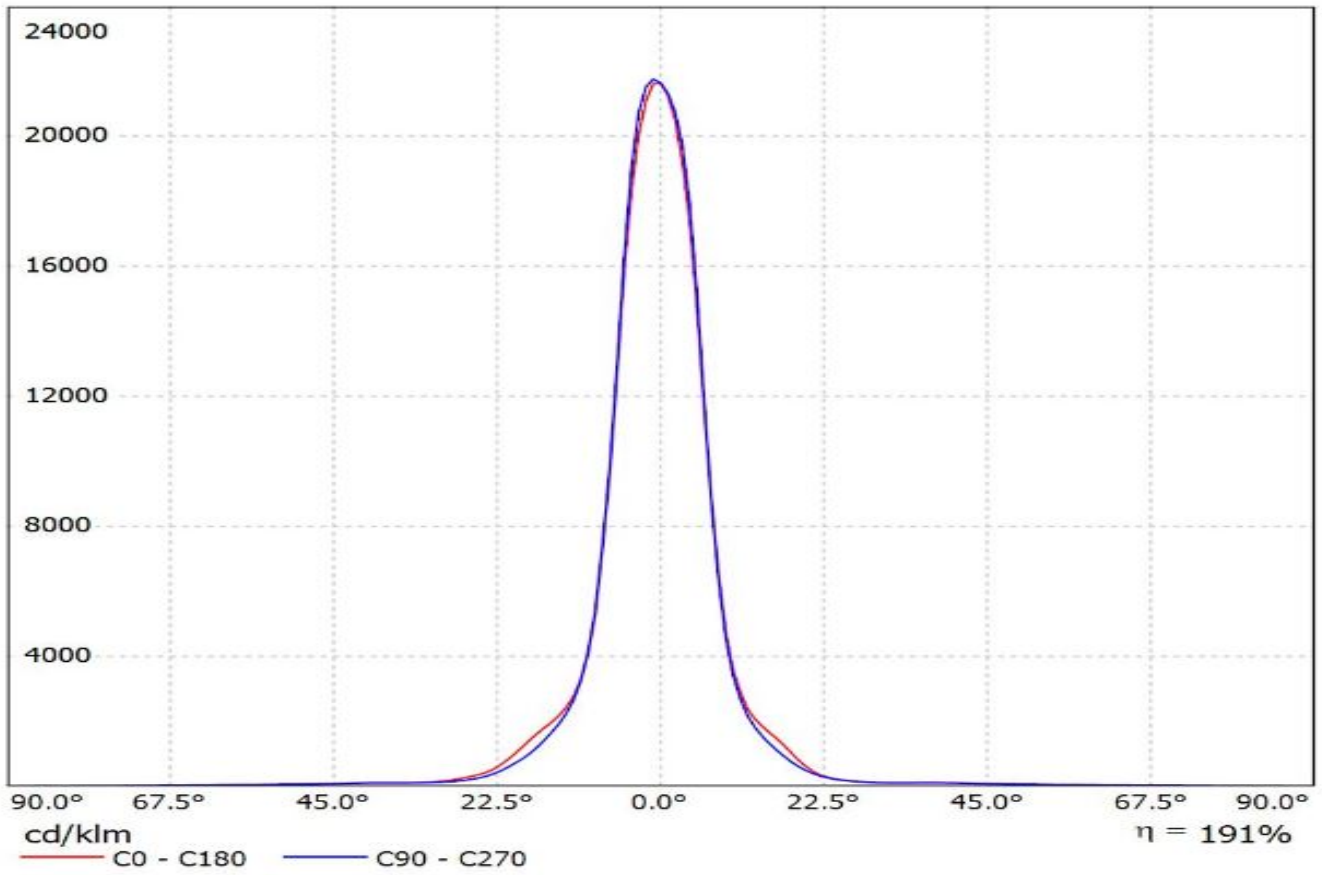
Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4594.42lm@700mA\_P=32.1515W\_I=0.700A



Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A

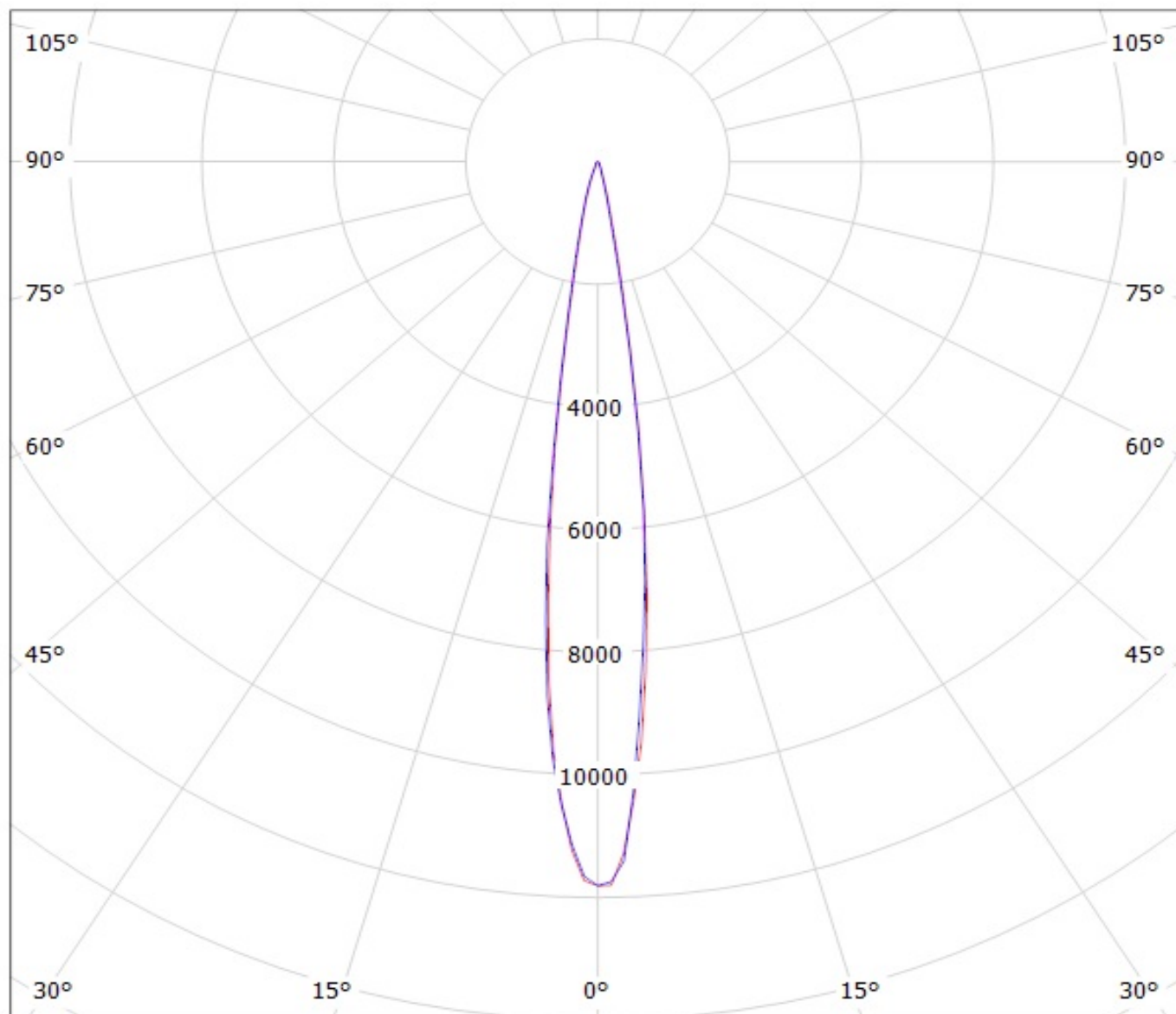


Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A



Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(XP-G2\_(XPGBWT-L1-000-00G51)

Lamps: 1 x Cree\_XP-G2\_(XPGBWT-L1-000-00G51)\_405.738lm@250mA\_P=2.94157W\_I=250mA



cd/klm

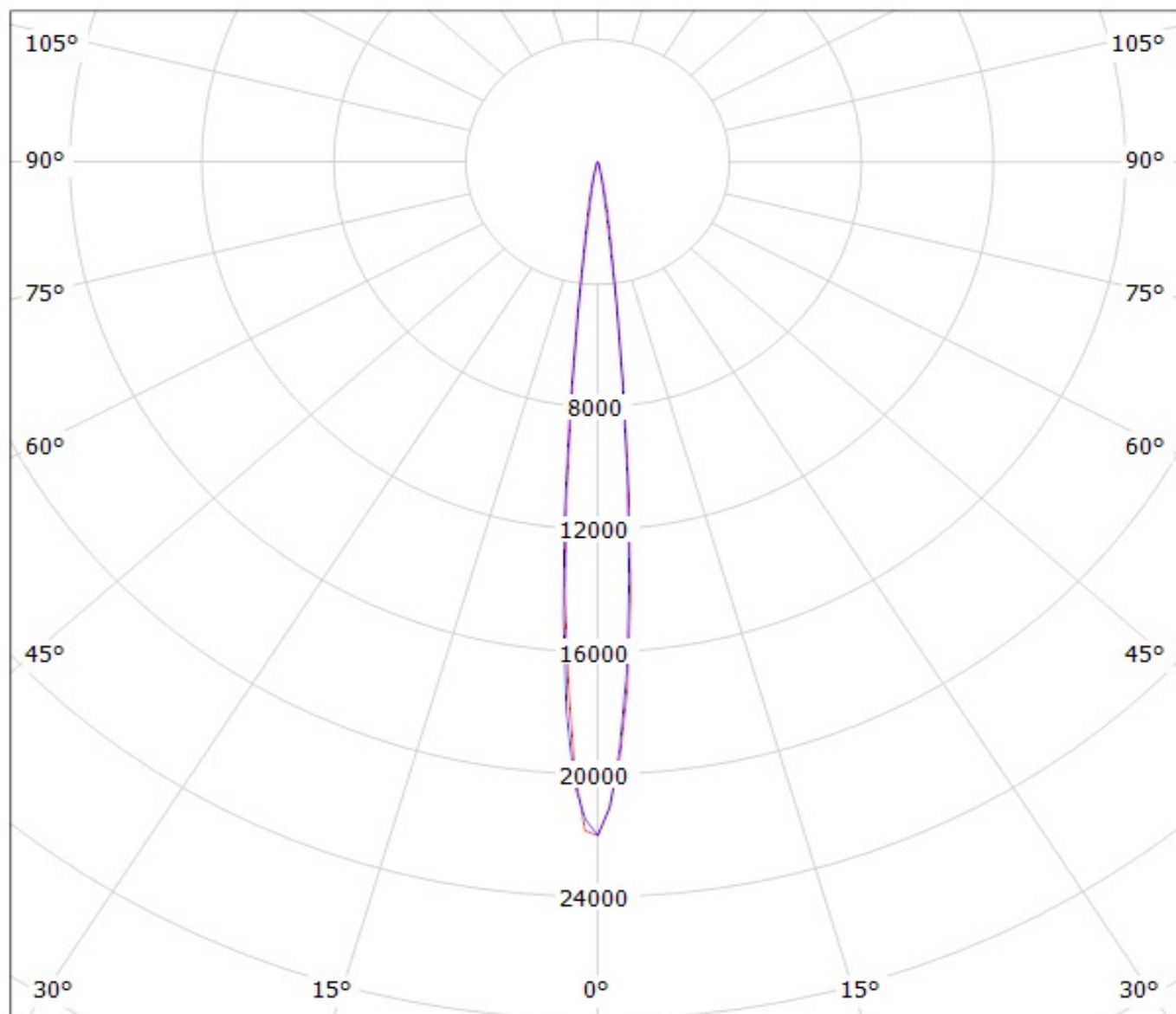
— C0 - C180

— C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(XP-E2\_(XPEBWT-L1-7B4-Q4-0-01)

Lamps: 1 x Cree\_XP-E2\_(XPEBWT-L1-7B4-Q4-0-01)\_330.877lm@250mA\_P=2.92033W\_I=250mA



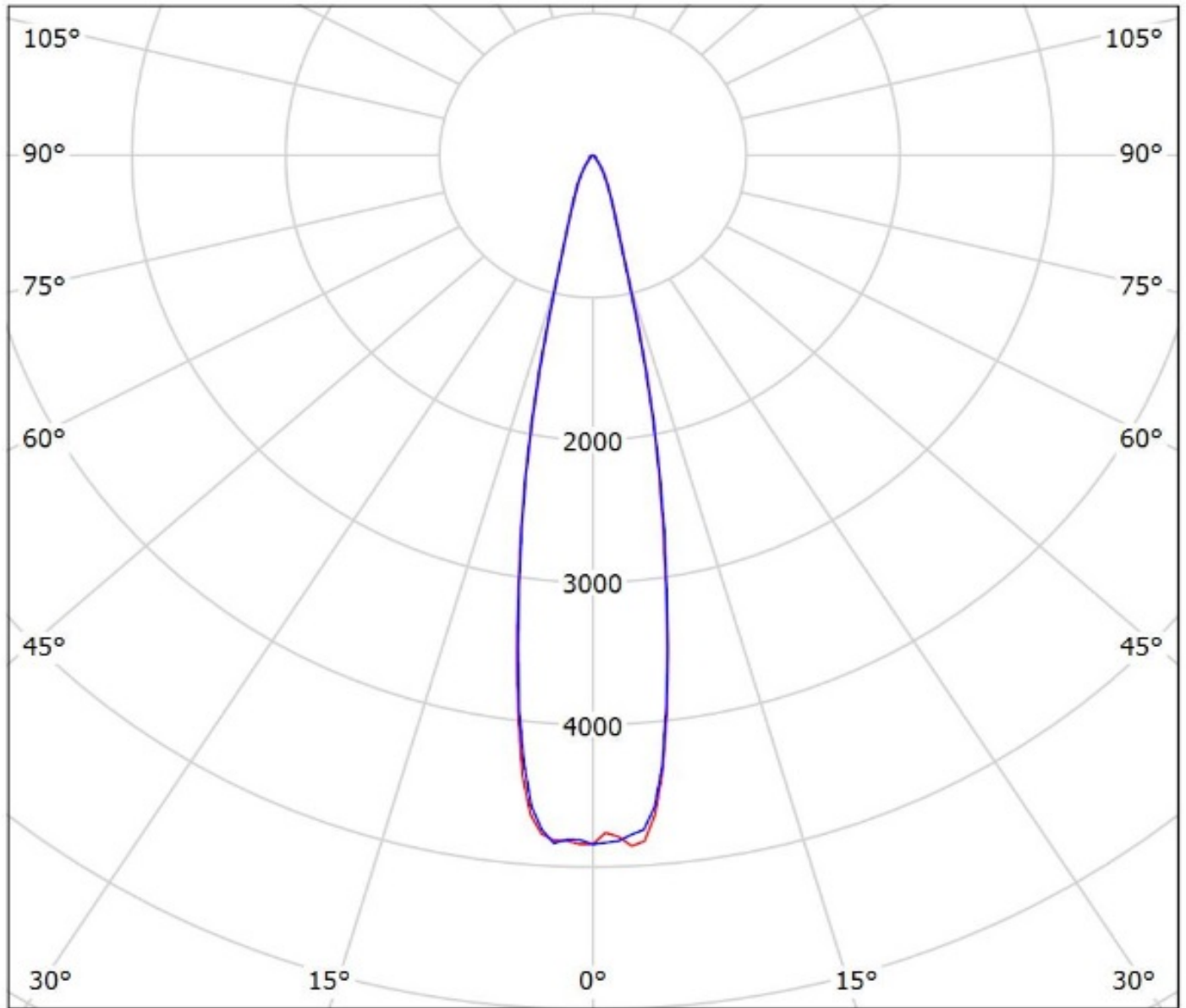
cd/klm

— C0 - C180

— C90 - C270

$\eta = 96\%$

Luminaire: Ledil Oy C14541\_HB-2X2-RS\_XPH35HD\_SIMULATED  
Lamps: 1 x CREE XPH35HD



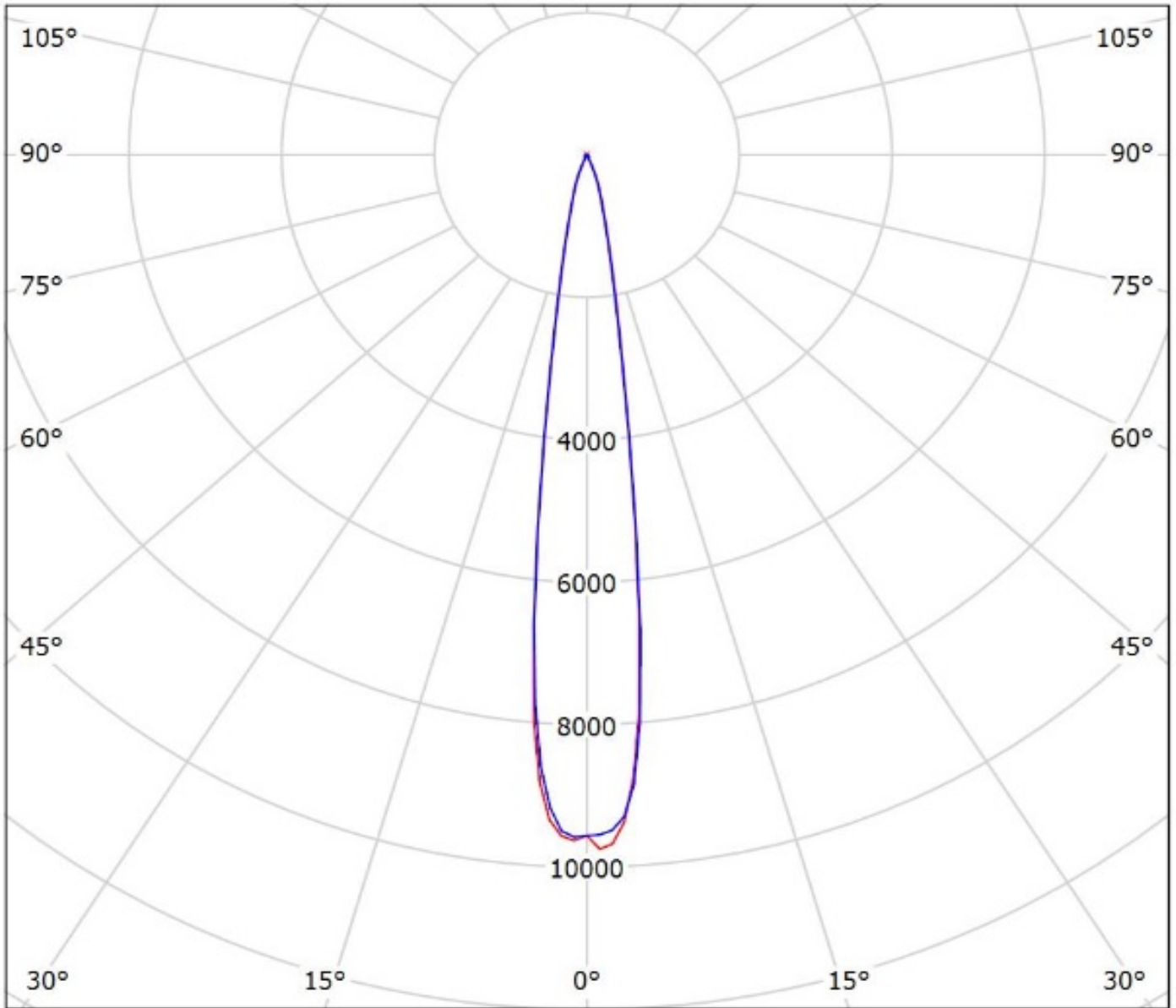
cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$



Luminaire: Ledil Oy C14541\_HB-2X2-RS\_XPH35HI\_SIMULATED  
Lamps: 1 x CREE XPH35HI



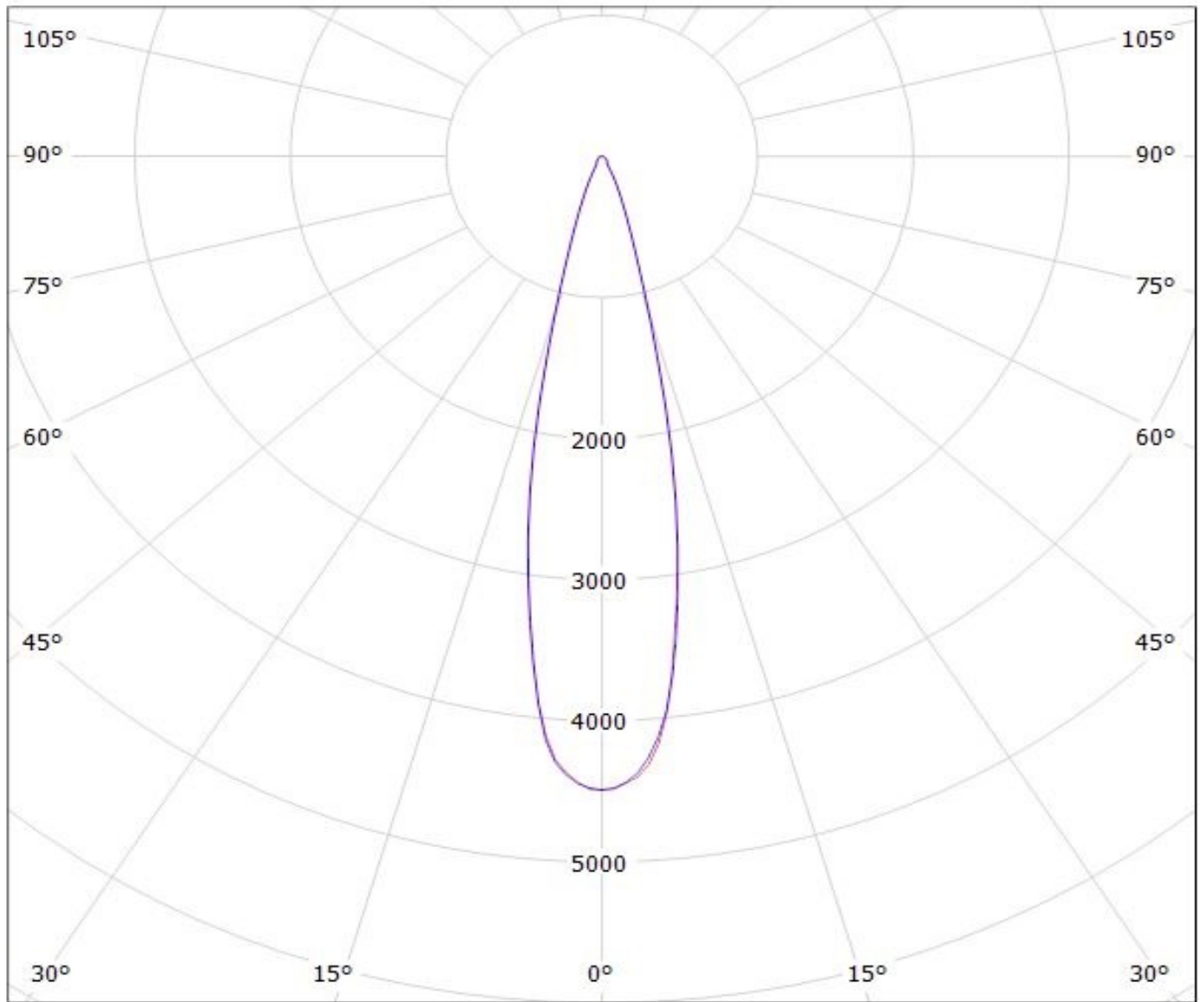
cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(NWSL229AE)

Lamps: 1 x Nichia\_2X2\_NWSL229AE\_476.548lm@250mA\_P=2.7515W\_I=0.250A



cd/klm

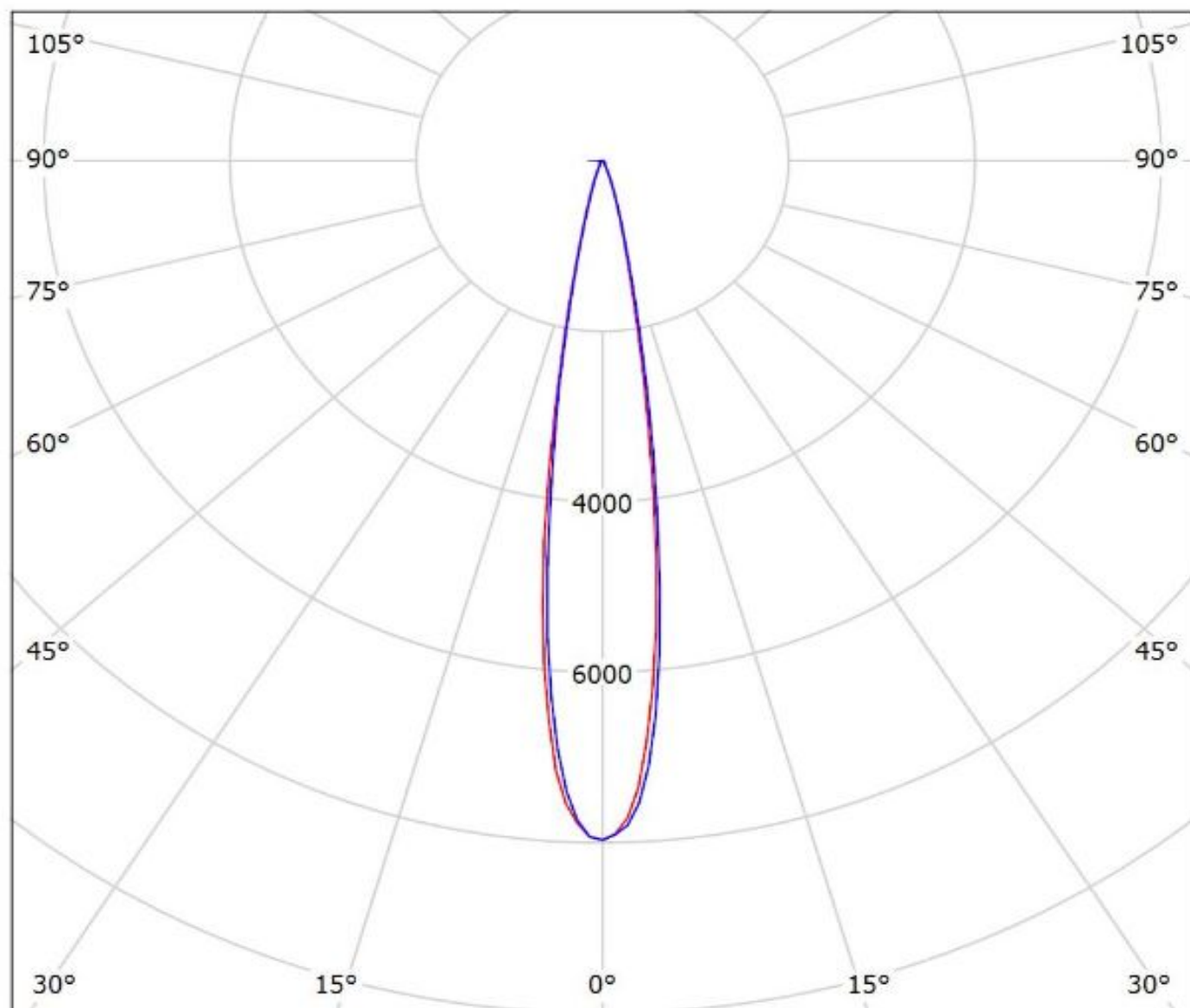
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: Ledil C14541\_HB-2x2-RS\_(NVSL219CE)

Lamps: 1 x Nichia\_NVSL219CE\_496.405lm@250mA\_CCT=4000K\_P=2.8465W\_I=0.25A



cd/klm

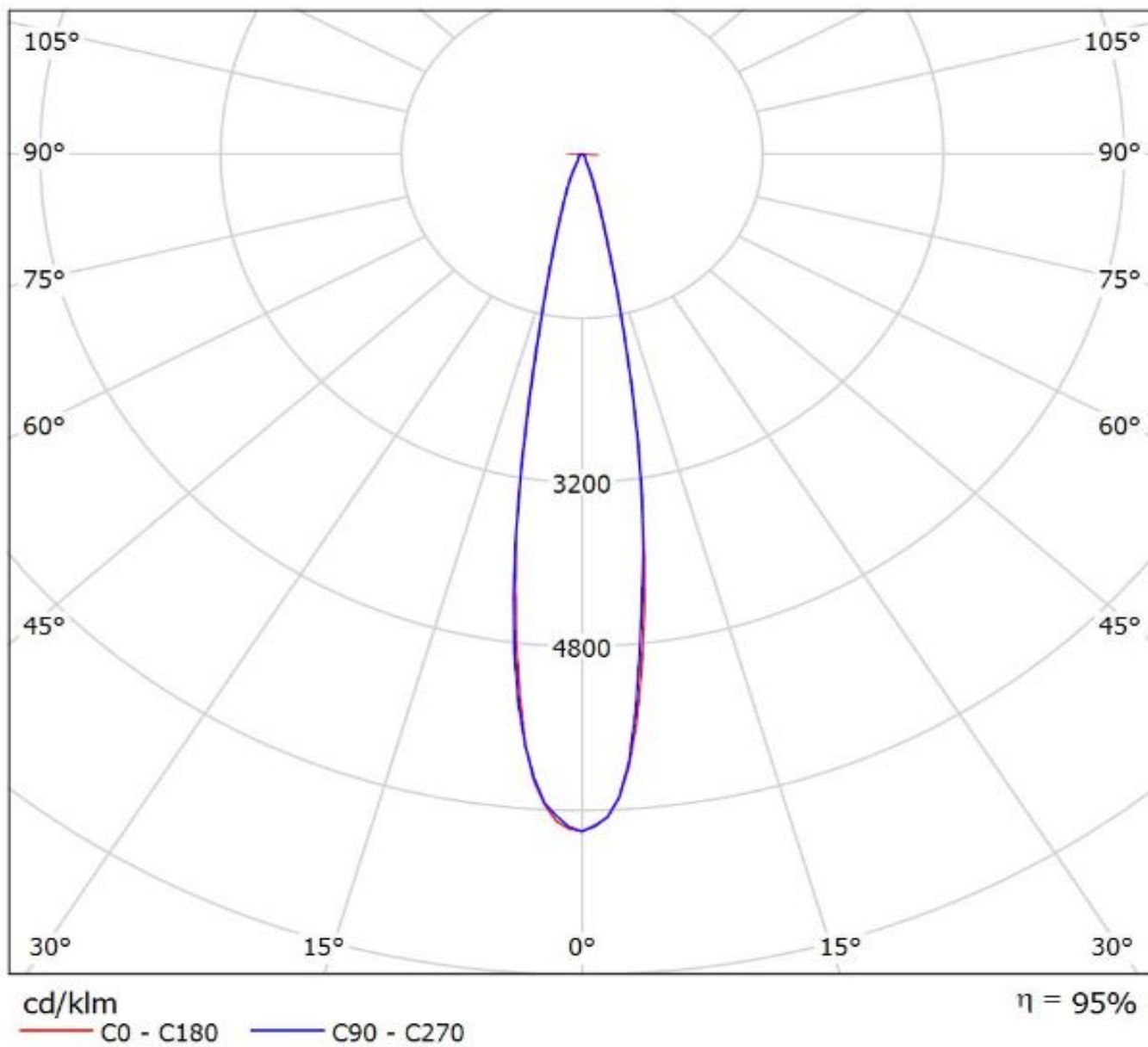
— C0 - C180

— C90 - C270

$\eta = 93\%$

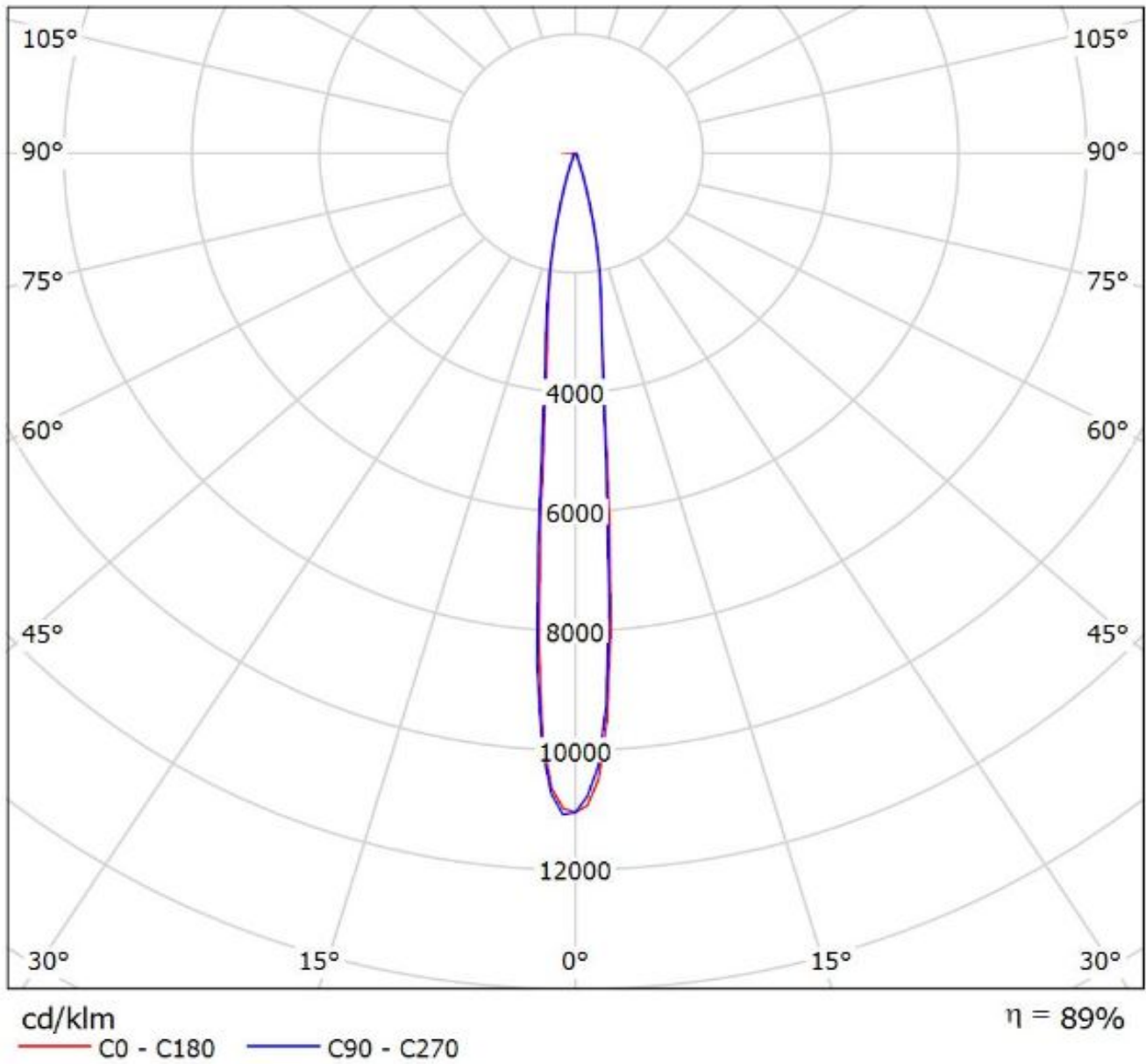
Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(NVSW3x9A)

Lamps: 1 x Nichia\_NVSW3x9A\_(sm405/R70)\_483.482lmP=2.75904W\_η=0.250A

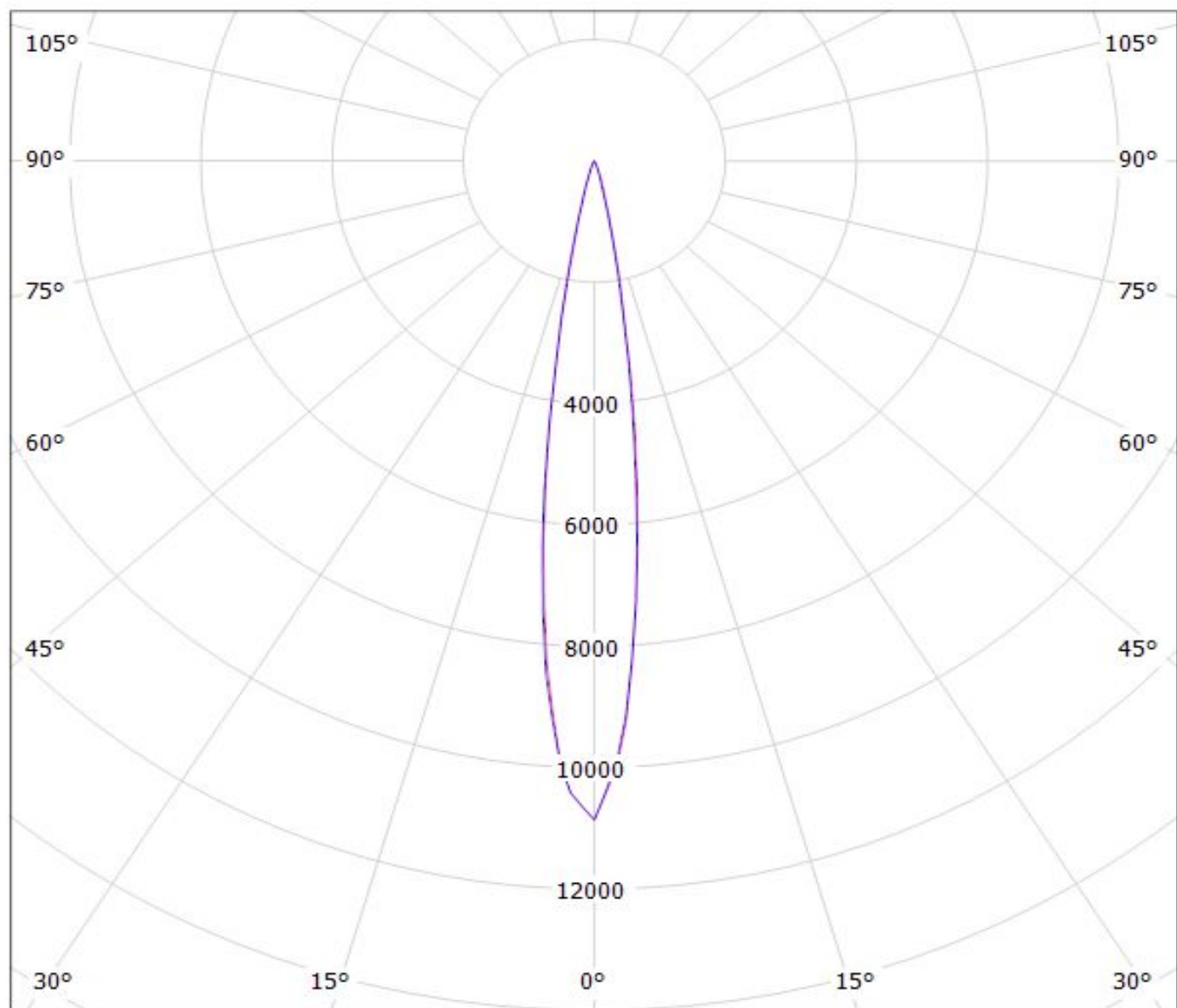


Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(E21A)

Lamps: 1 x Nichia\_E21A\_2X2\_454.11lm@250mA\_P=2.81W\_I=0.250A



Luminaire: LEDiL Oy  
Lamps: 1 x C14541-HB-2x2-RS\_(SQ\_Gen3)



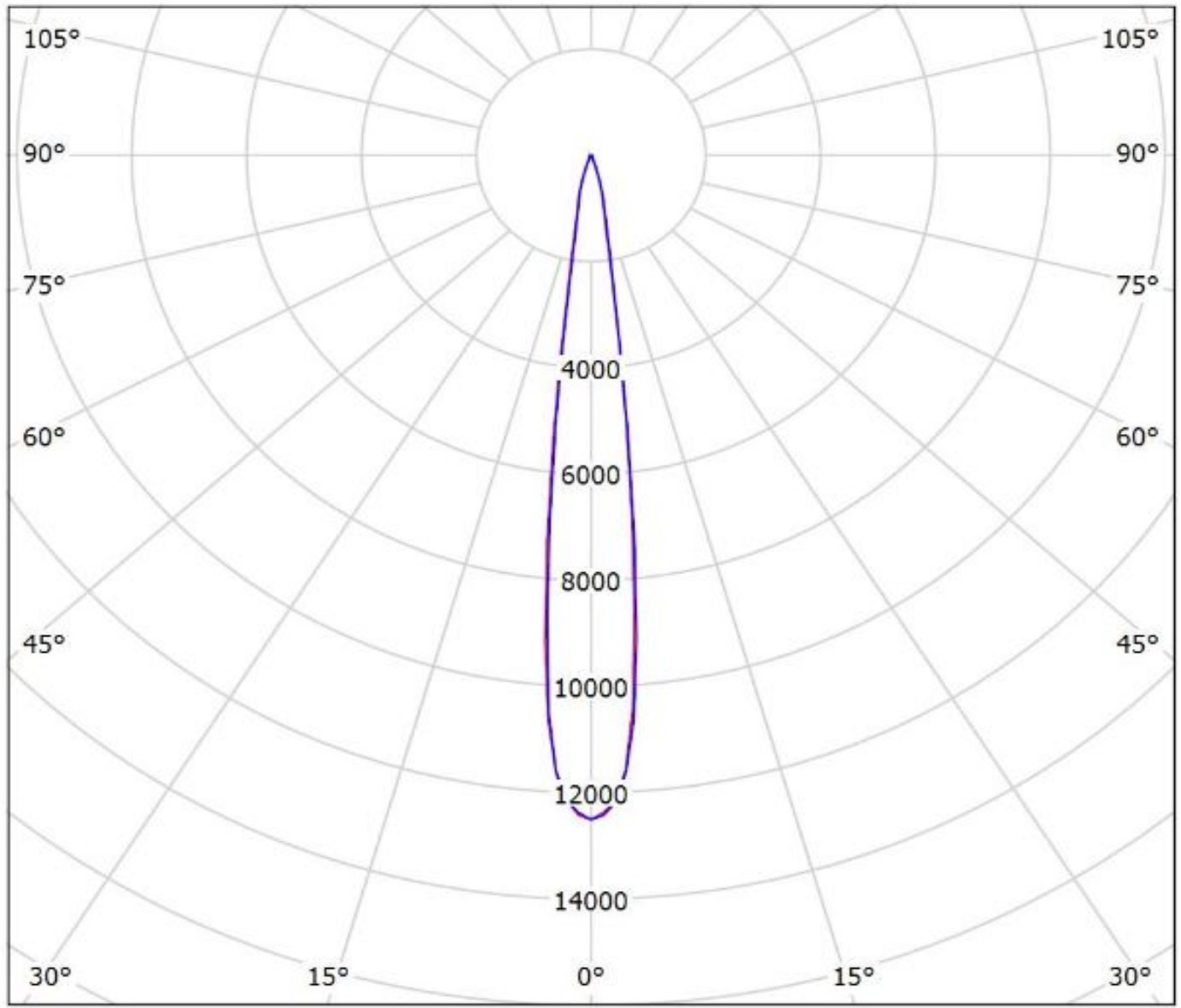
cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$



Luminaire: Ledil C14541\_HB-2X2-RS\_(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

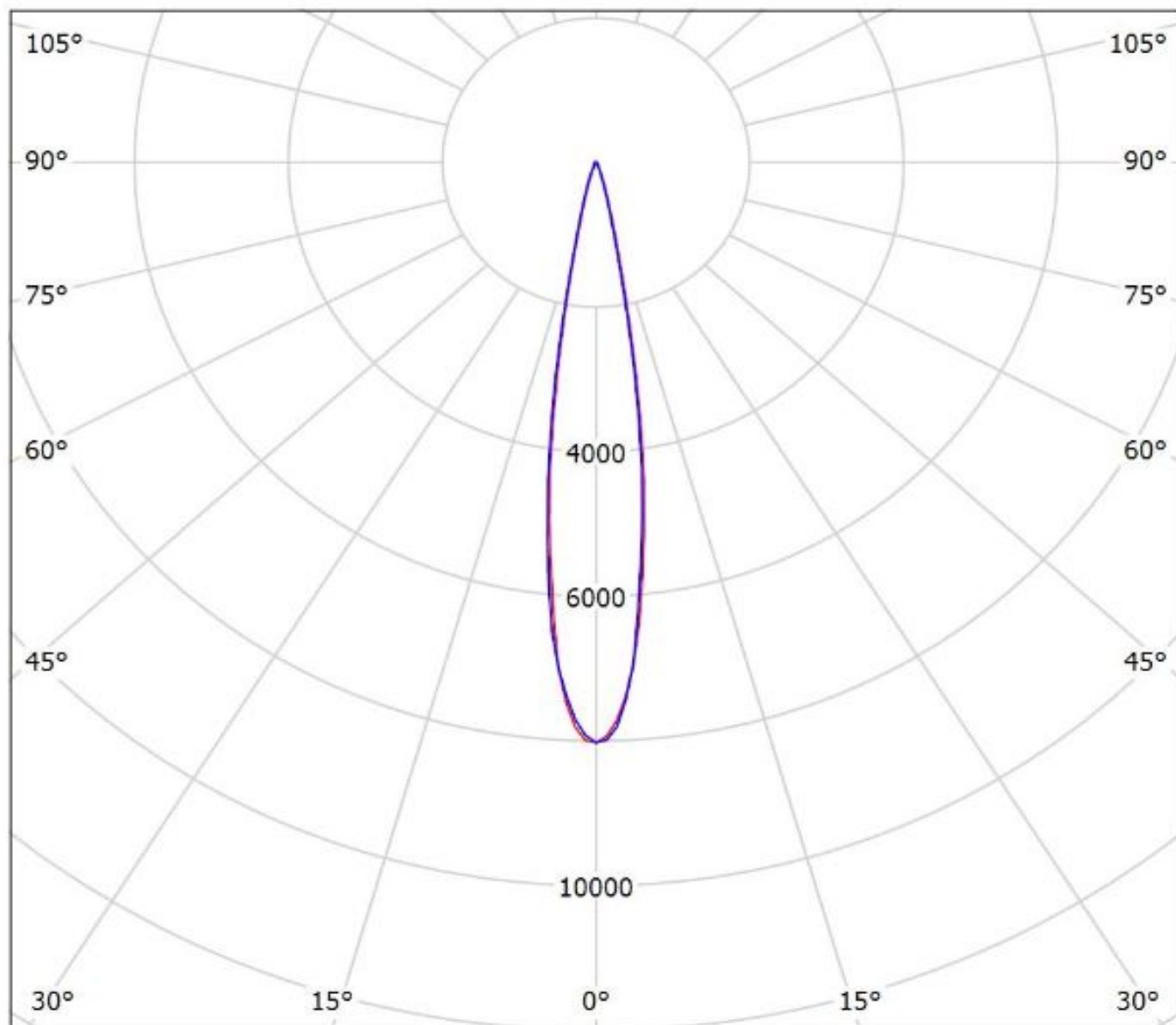


cd/klm  
— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: Ledil C14541\_HB-2X2-RS\_(LH351B)

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



cd/klm

— C0 - C180

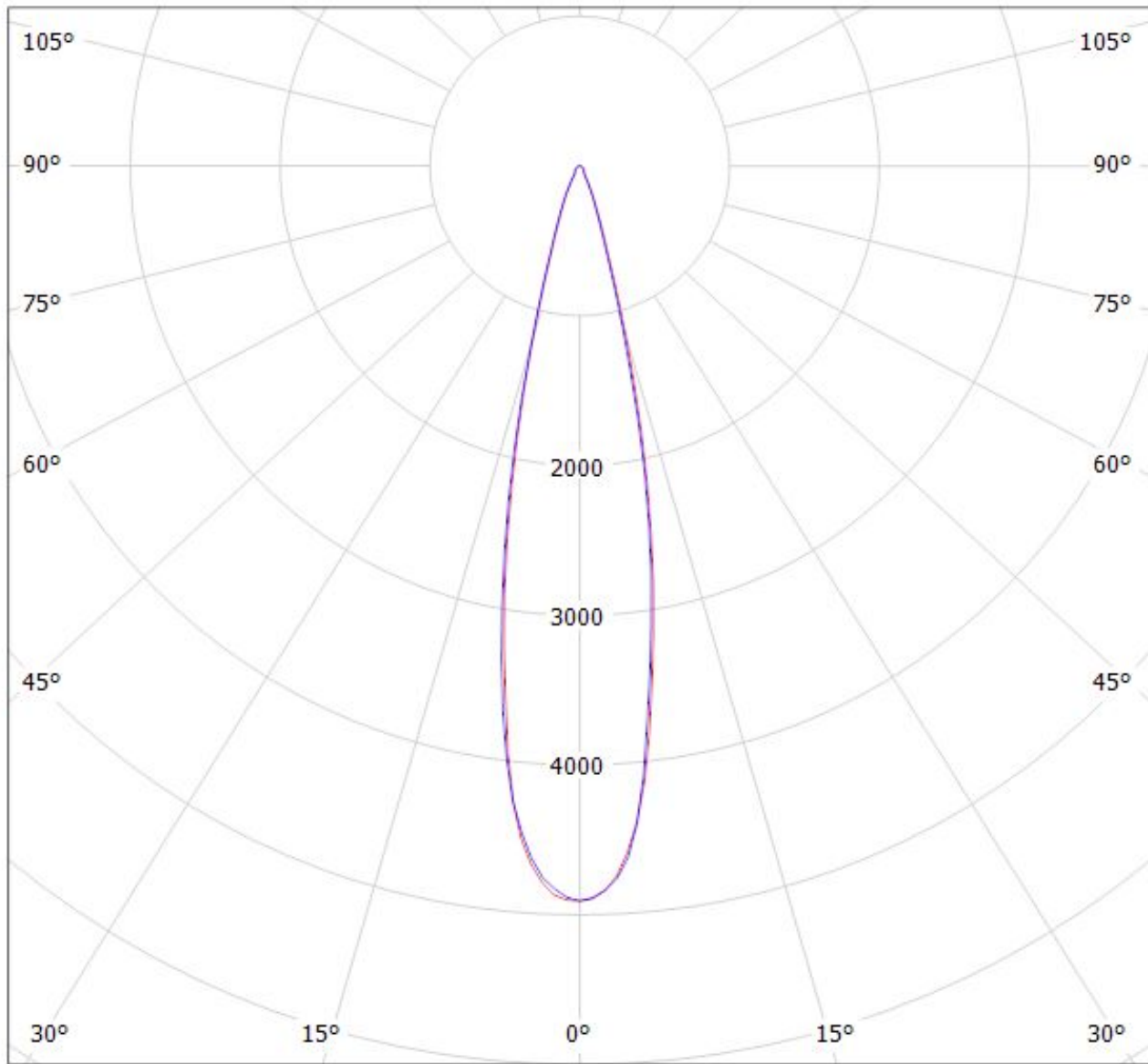
— C90 - C270

$\eta = 89\%$



Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(LH351D)

Lamps: 1 x Samsung\_LH351D\_524.264lm@250mA\_P=2.7523W\_I=0.250A



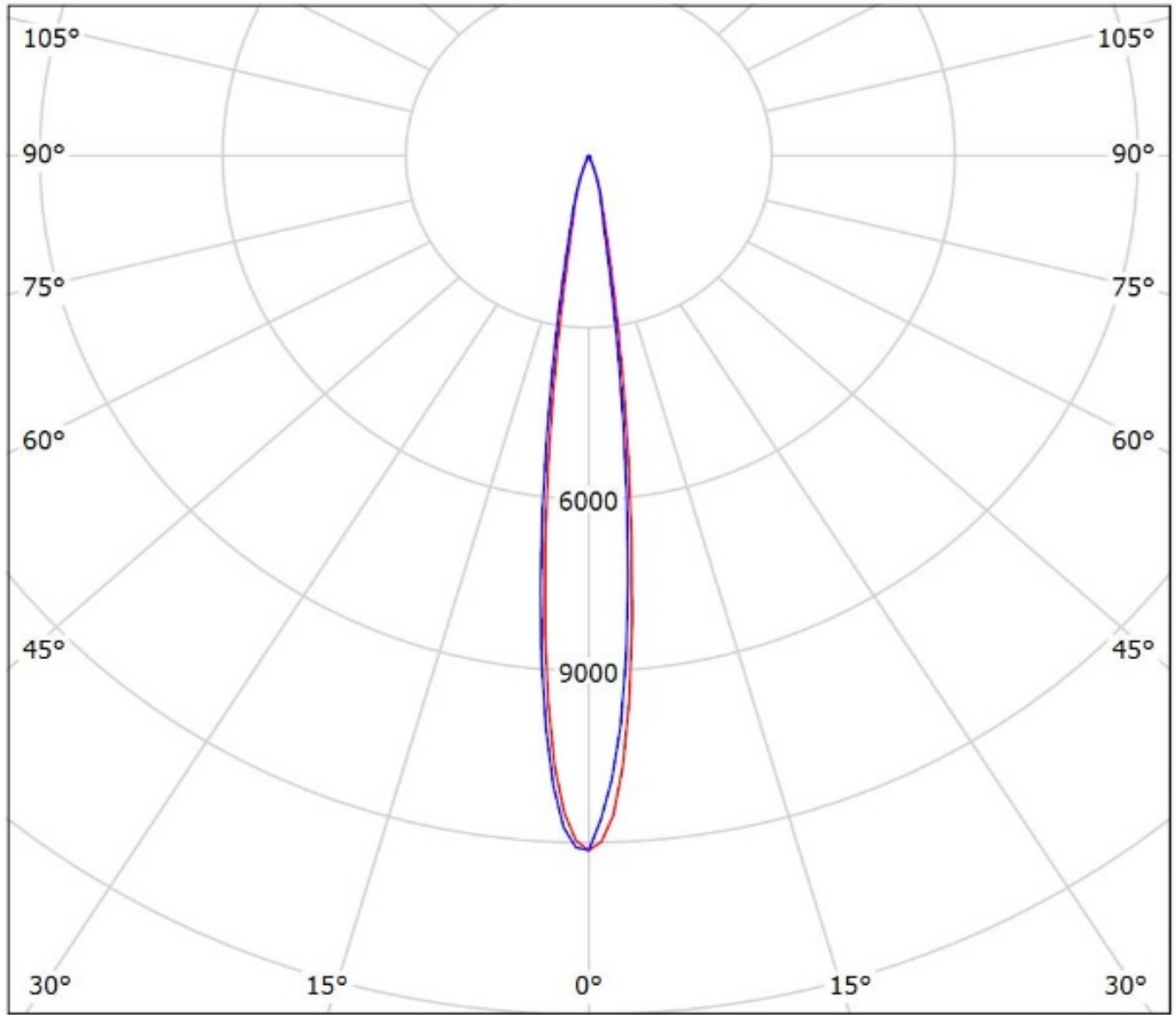
cd/klm

— C0 - C180

— C90 - C270

$\eta = 96\%$

Luminaire: Ledil Oy C14541\_HB-2X2-RS\_(Z5M2)\_SIMULATED  
Lamps: 1 x Seoul Z5M2 (SZ5-M2-W0-00)

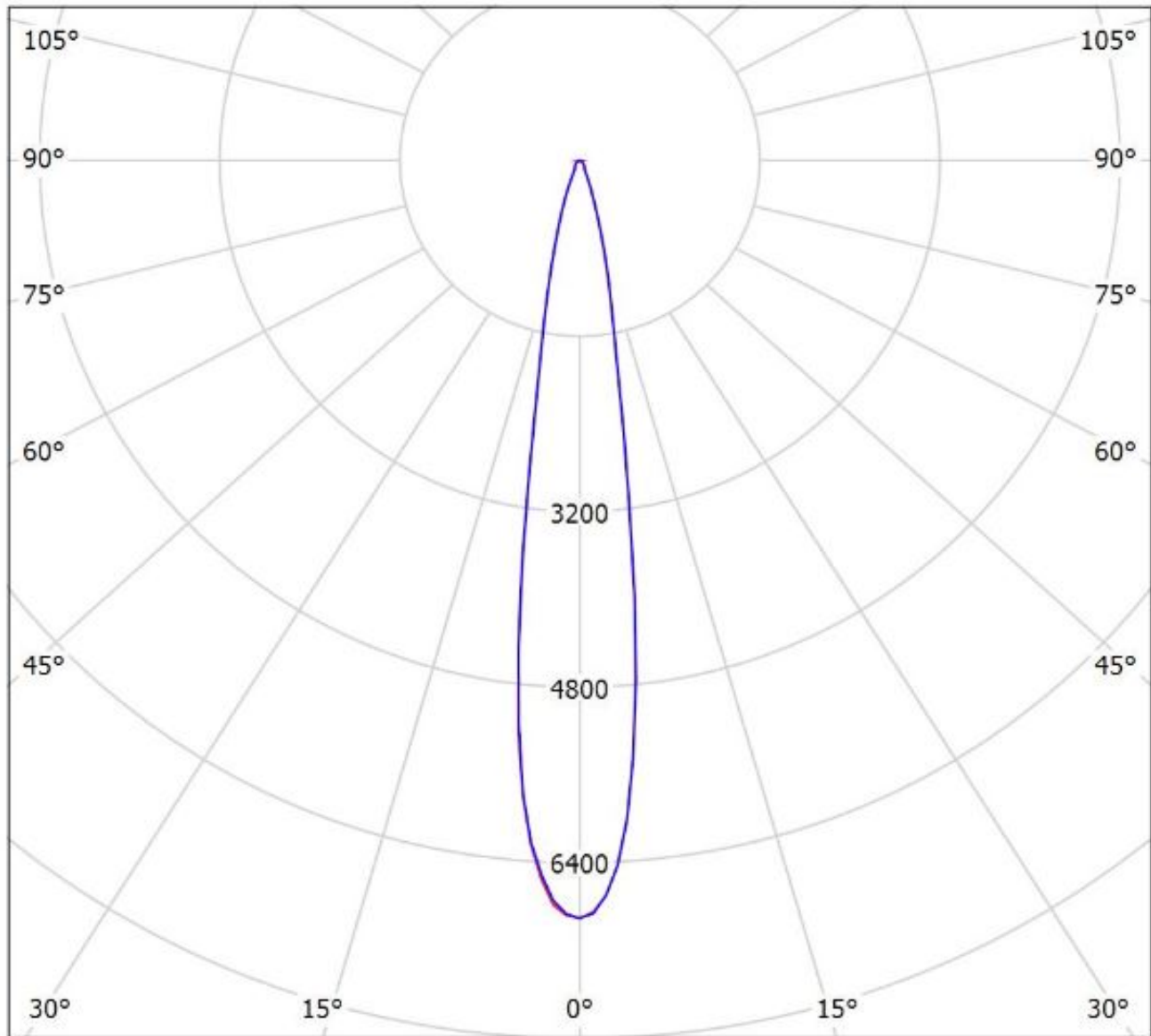


cd/klm  
— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: Ledil C14541\_HB-2X2-RS\_(Z8Y22plus)

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



cd/klm

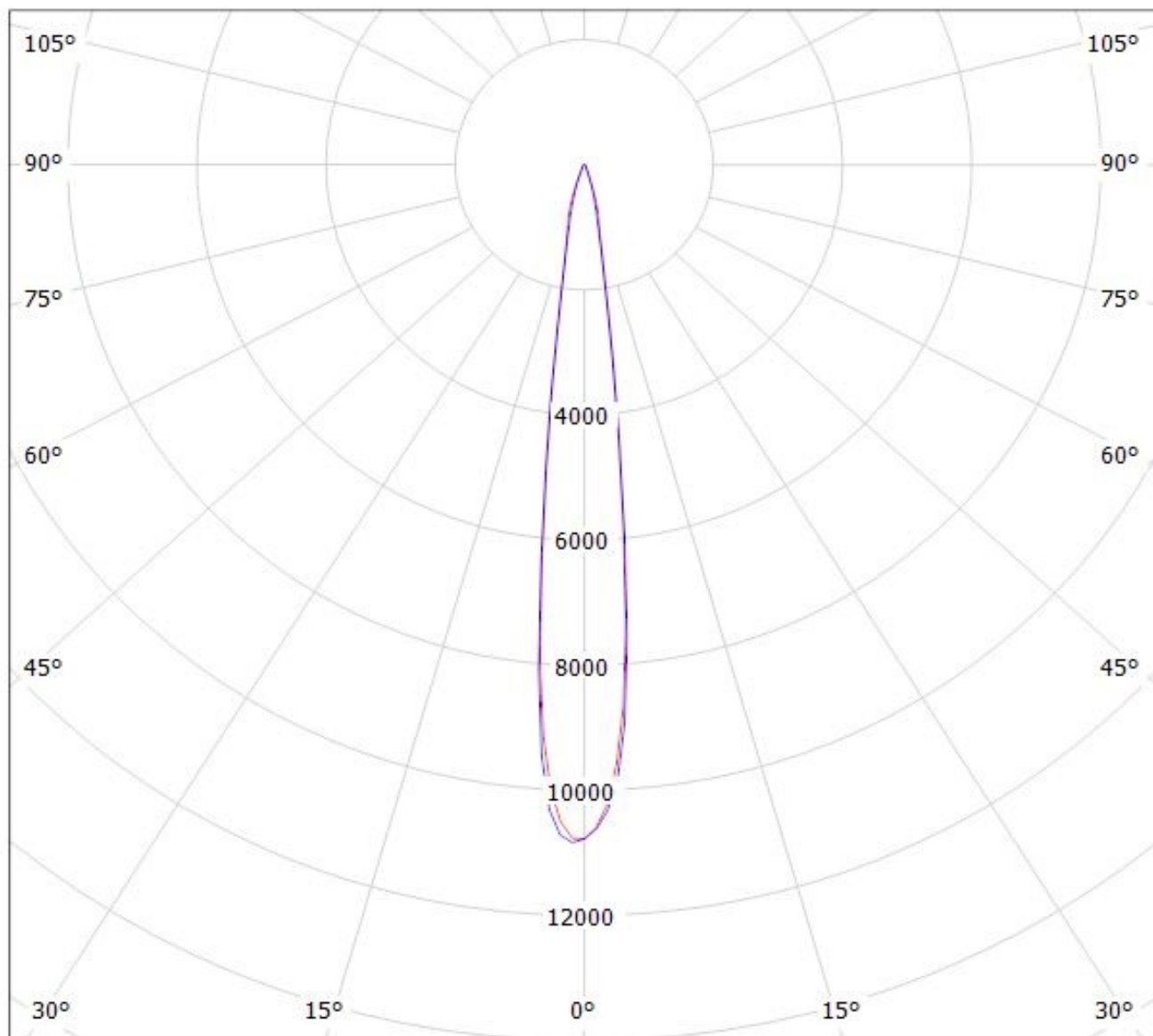
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(Tridonic\_Module\_RLE\_G1)

Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4594.42lm@700mA\_P=32.1515W\_I=0.700A



cd/klm

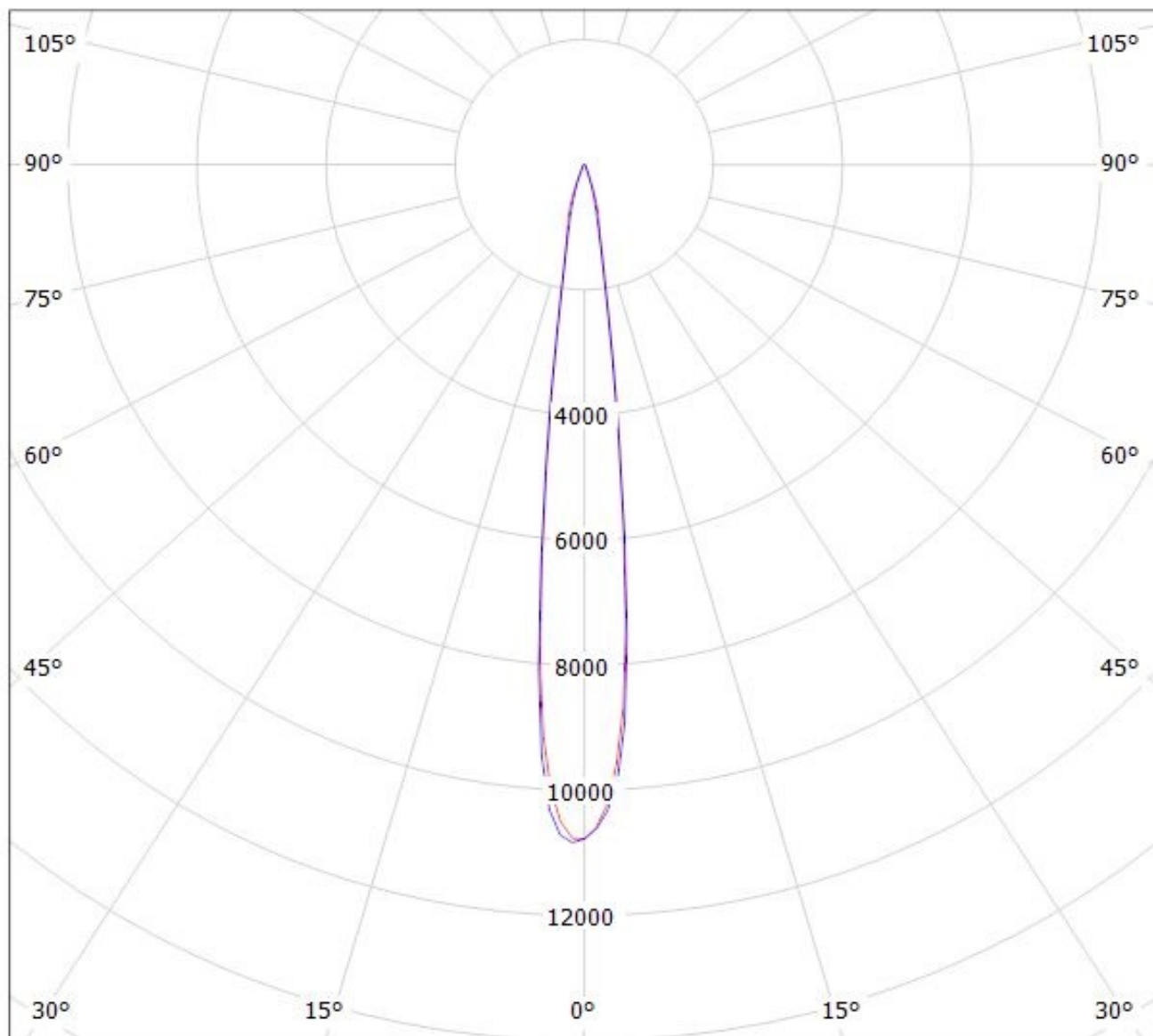
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(Tridonic\_Module\_RLE\_G1)

Lamps: 1 x Tridonic\_Module\_RLE\_G1\_4594.42lm@700mA\_P=32.1515W\_I=0.700A



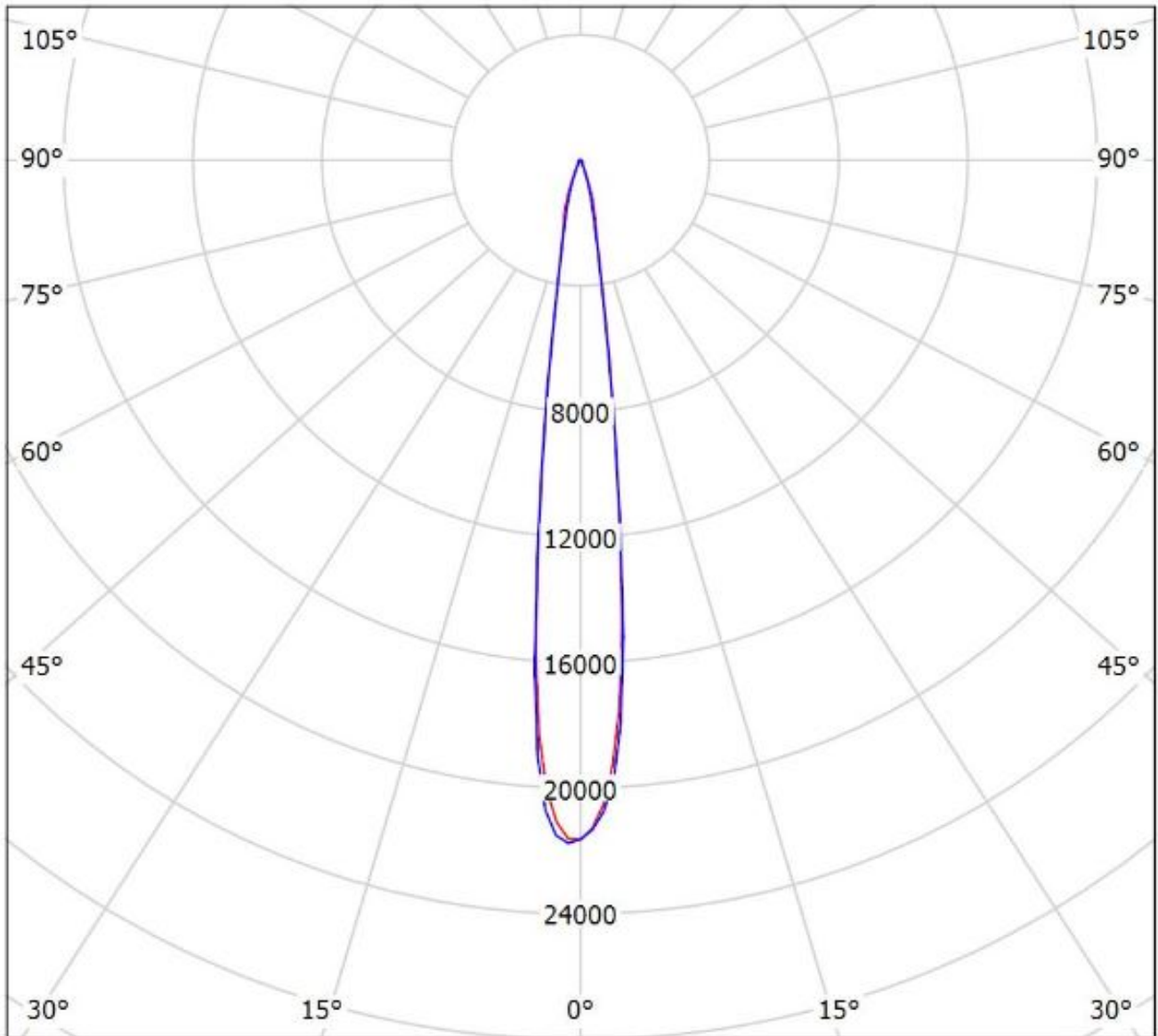
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

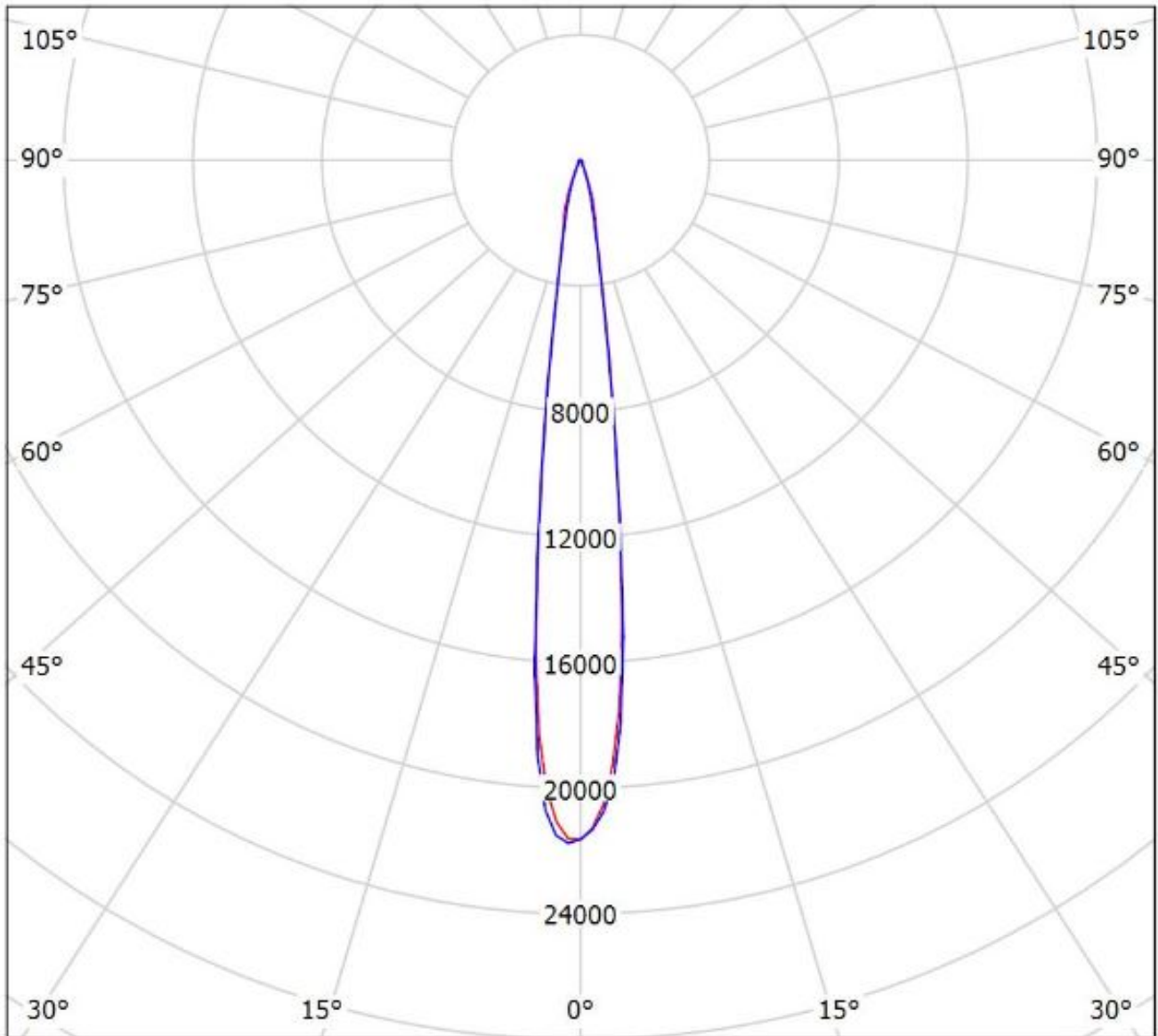
Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A



cd/klm  
— C0 - C180 — C90 - C270

$\eta = 191\%$

Luminaire: LEDiL Oy C14541\_HB-2X2-RS\_(Tridonic\_Module\_RLE\_G1)  
Lamps: 1 x Tridonic\_Module\_RLE\_G1\_2288lm@700mA\_P=16W\_I=0.700A



cd/klm  
— C0 - C180 — C90 - C270

$\eta = 191\%$

**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.**