

DETAILS

Product Number	C14541_HB-2X2-RS
Family	HighBay
Type	Lens array
Color	clear
Diameter	50 x 50 mm
Height	10 mm
Style	rectang
Optic Material	PMMA
Holder Material	
Fastening	screw
Status	production ready
ROHS Compliant	Yes
Date Updated	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	-
XD16	11 deg	Real spot	93 %	13.500	-
XP-L	sim: 19	Real spot	sim: 94 %	sim: 6.140	-
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	-
NVSW219D	17 deg	Real spot	94 %	8.600	-
Oslon Square Gen3	15 deg	Real spot	90 %	11.000	-
Oslon SSL 80	sim: 8,2	Real spot	sim: 94 %	sim: 21.000	-
Fortimo FastFlex LED board 2x8 DA G4	13 deg	Real spot	93 %	12.500	-
LH351B	17 deg	Real spot	89 %	8.040	-
LH351D	22 deg	Real spot	94 %	4.900	-
LH351C	18 deg	Real spot	94 %	7.900	-
Z5M1/Z5M2	sim: 13	Real spot	sim: 92 %	sim: 12.100	-
Z8Y22P	16 deg	Real spot	93 %	6.900	-
Z8Y22	14 deg	Real spot	94 %	6.600	-
RLE G1 49x223mm 4000lm xxx EXC OTD3 deg		Real spot	94 %	10.900	-
RLE G1 49x245mm 4000lm xxx EXC OTD3 deg		Real spot	94 %	10.900	-



PRODUCT DATASHEET

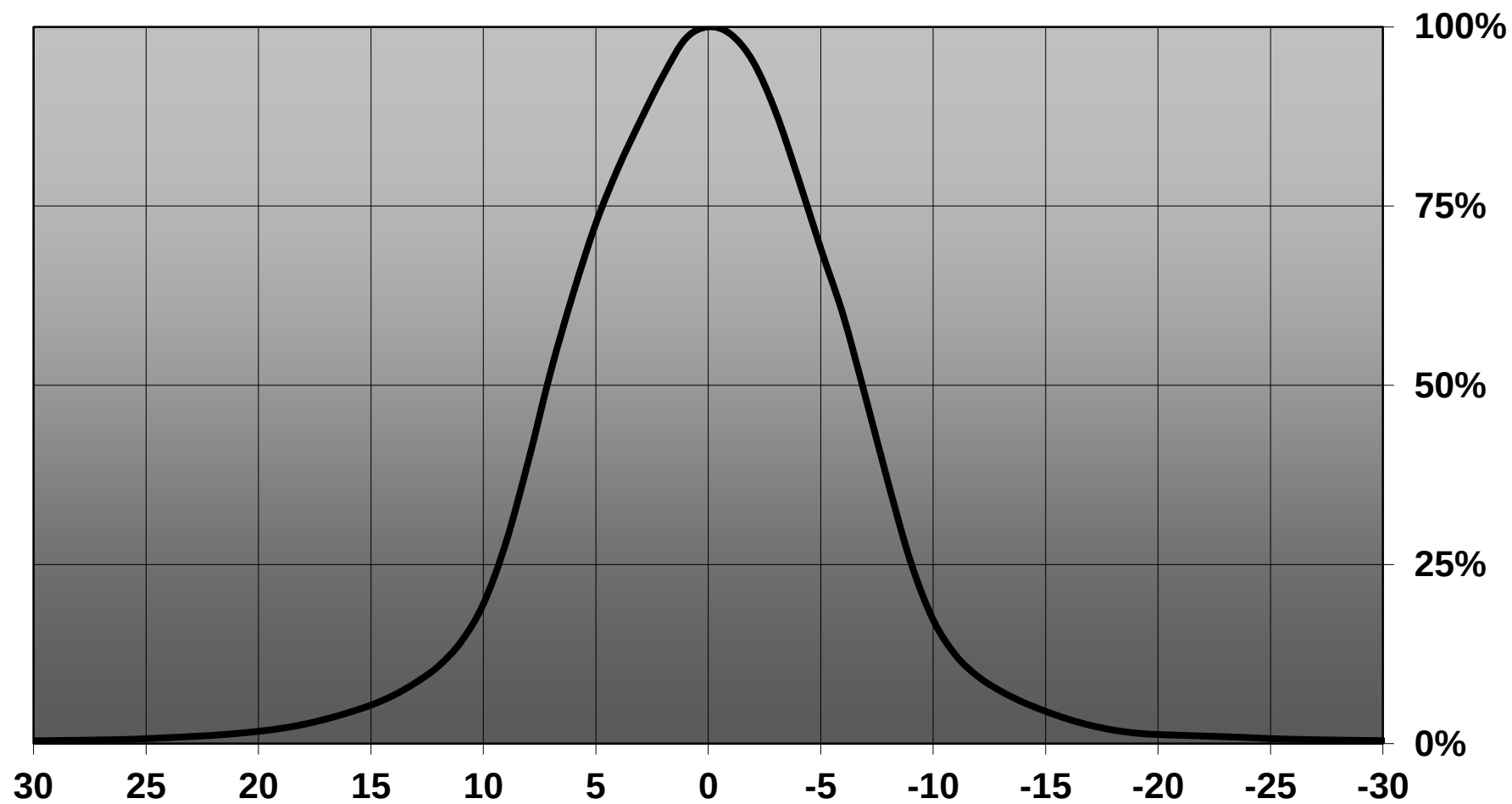
HighBay series

last update 3/1/2017

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
RLE G1 49x121mm 2000lm xxx EXC OTD3 deg		Real spot	94 %	10.900	-
RLE G1 49x133mm 2000lm xxx EXC OTD3 deg		Real spot	94 %	10.900	-

Relative intensity of C14541_HB-2X2-RS_(XP-G2)



H G F E D C B A

4

3

2

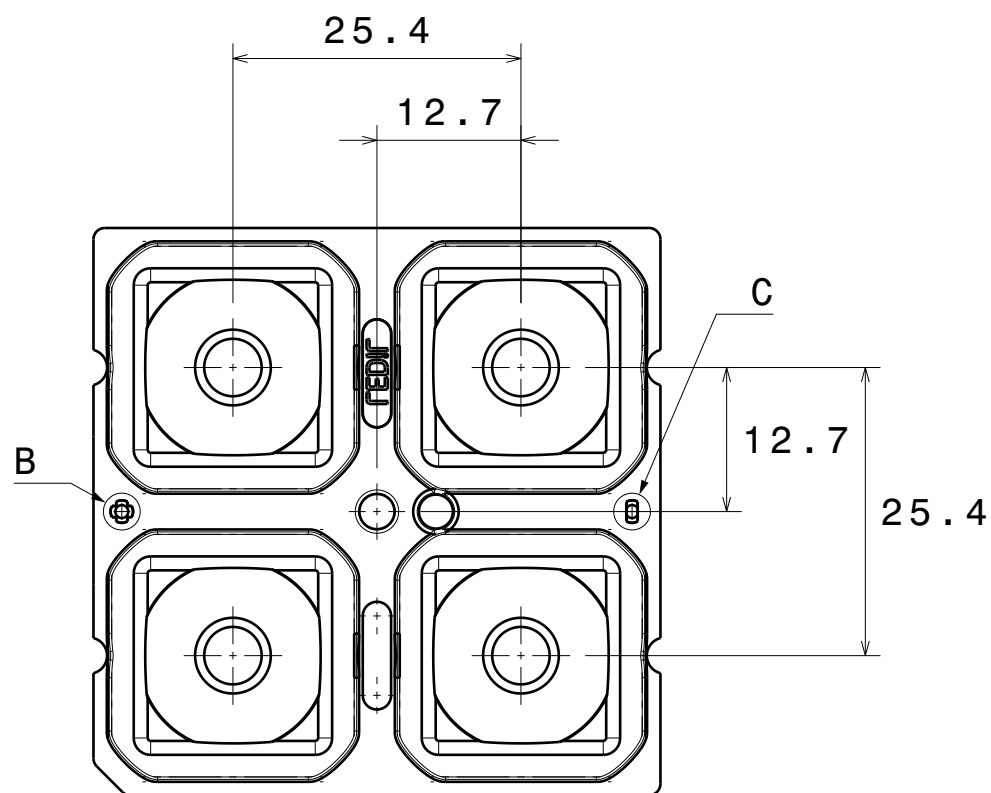
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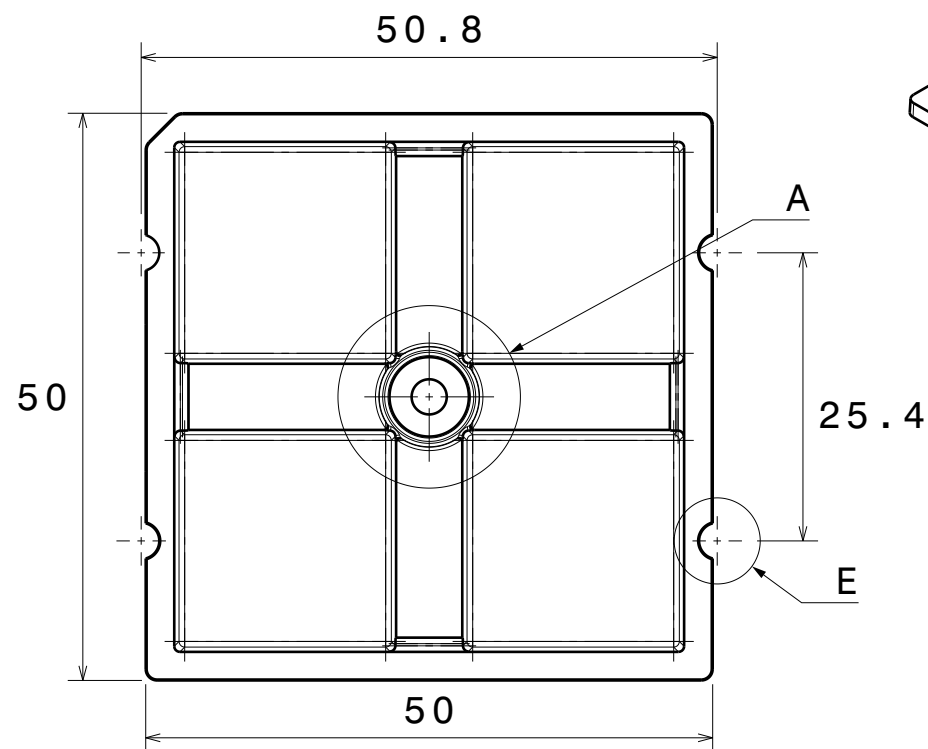
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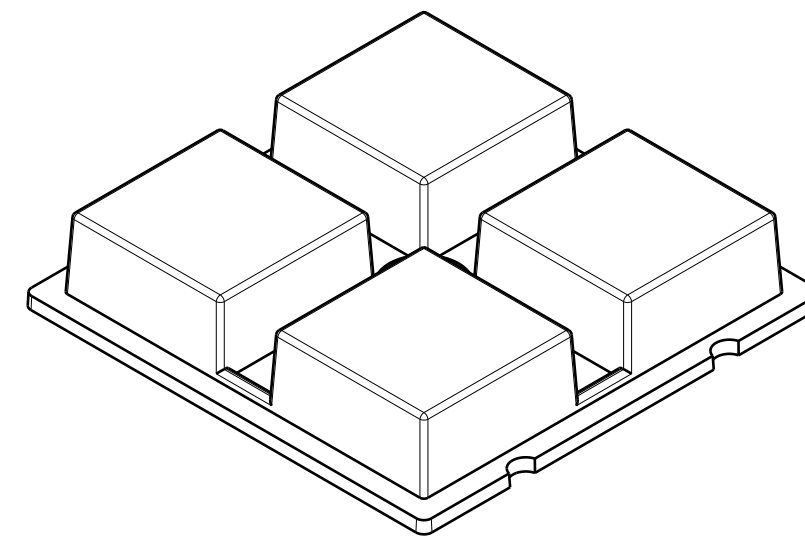
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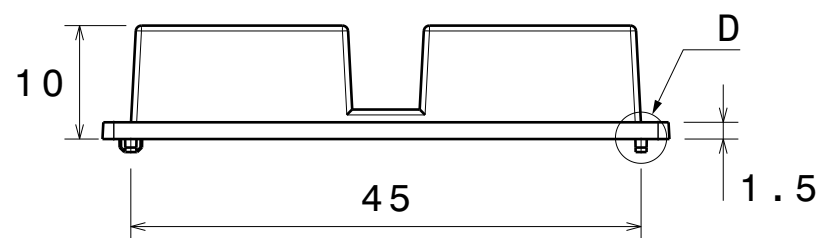
Bottom view



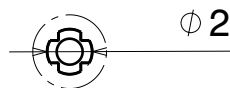
Top view



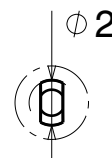
Isometric view



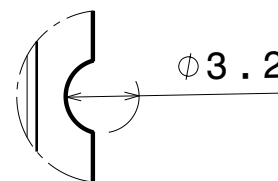
Front view



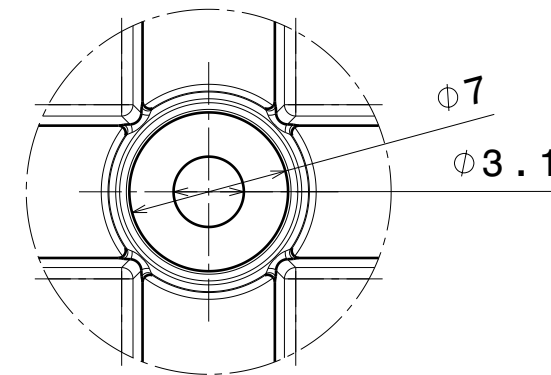
Detail B



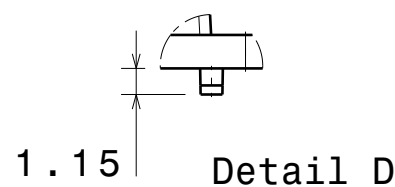
Detail C



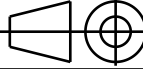
Detail E



Detail A



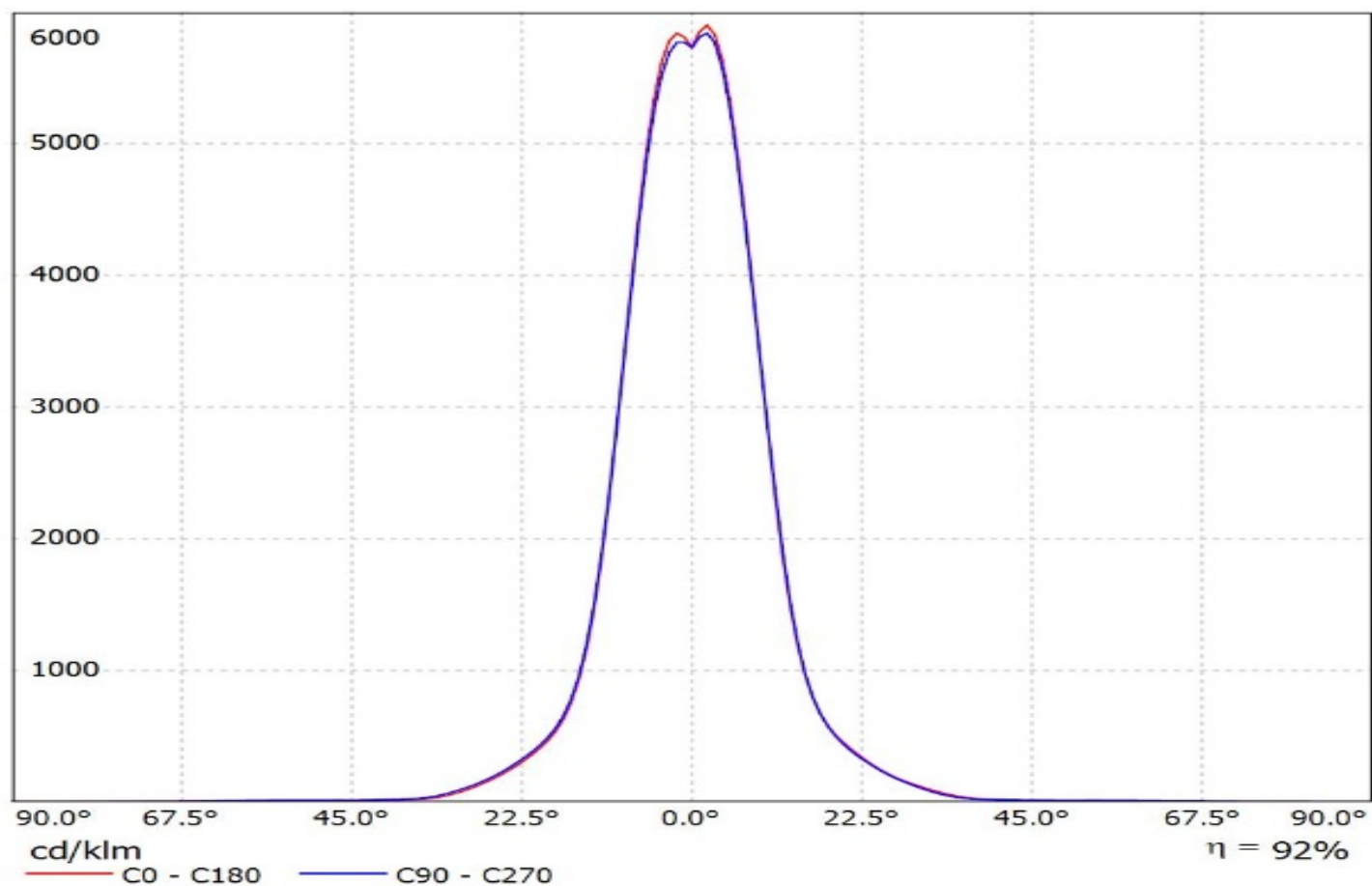
Detail D

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	
THIRD ANGLE PROJECTION: 	
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 Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWING TITLE C14541_HB-2X2-RS	
SIZE A3	PART NUMBER C14541
SCALE 3:2	WEIGHT -
SHEET 1/1	

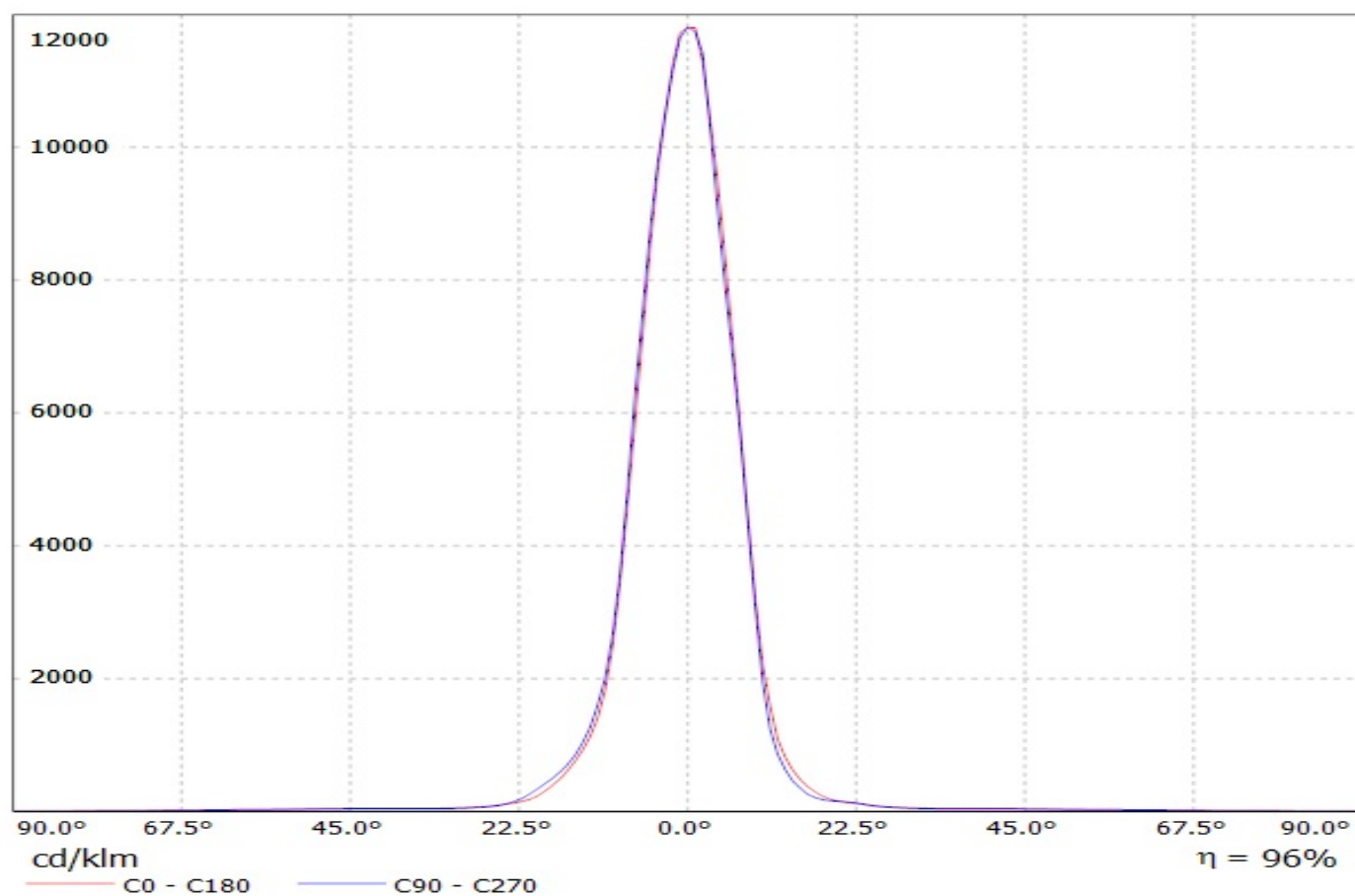
H G F E D C B A

Luminaire: Ledil Oy C14541_HB-2X2-RS-XM-L2_SIMULATED
Lamps: 1 x Cree XM-L2

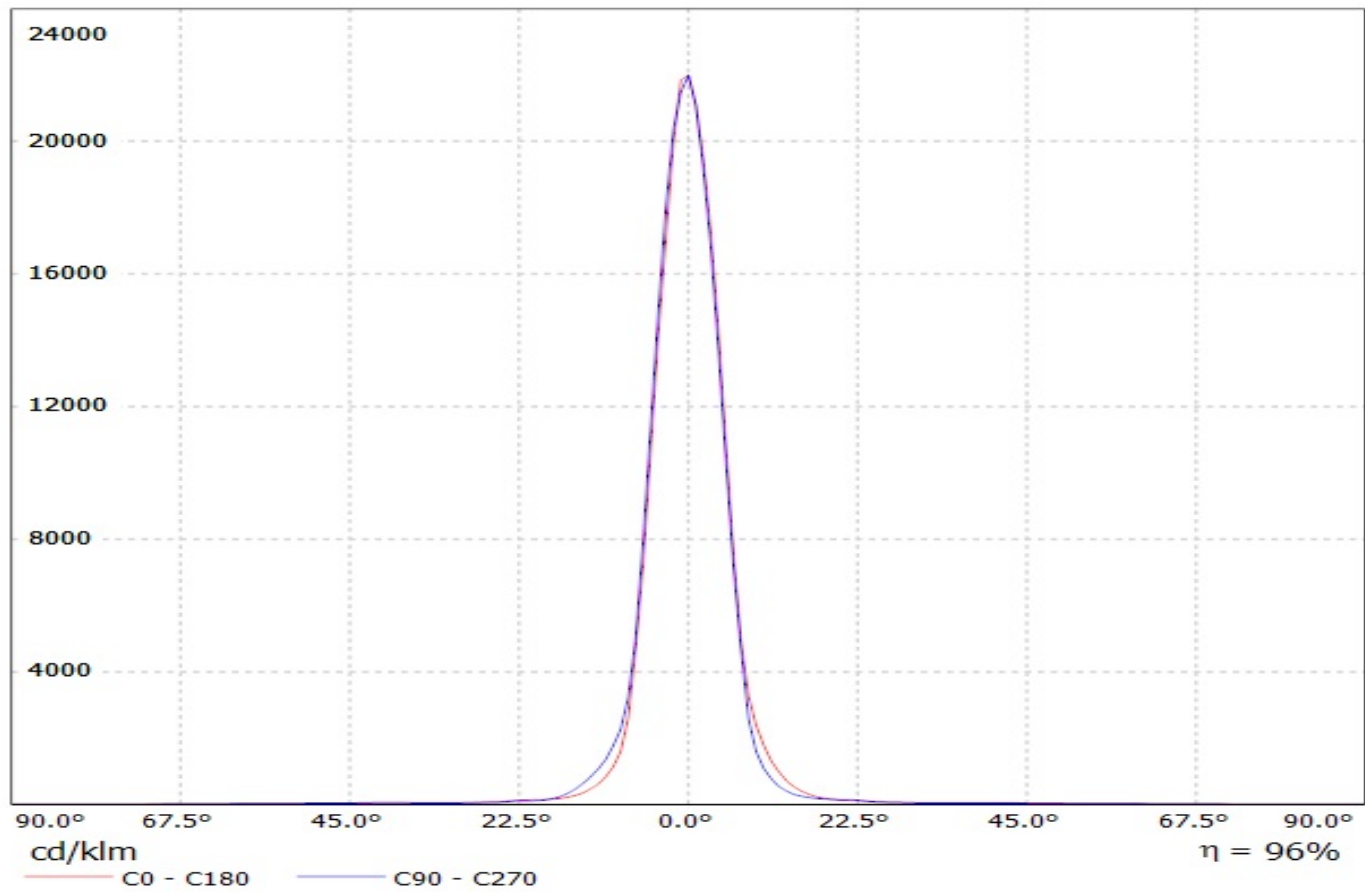


Luminaire: LEDiL Oy C14541_HB-2X2-RS_(XP-G2_(XPGBWT-L1-000-00G51)

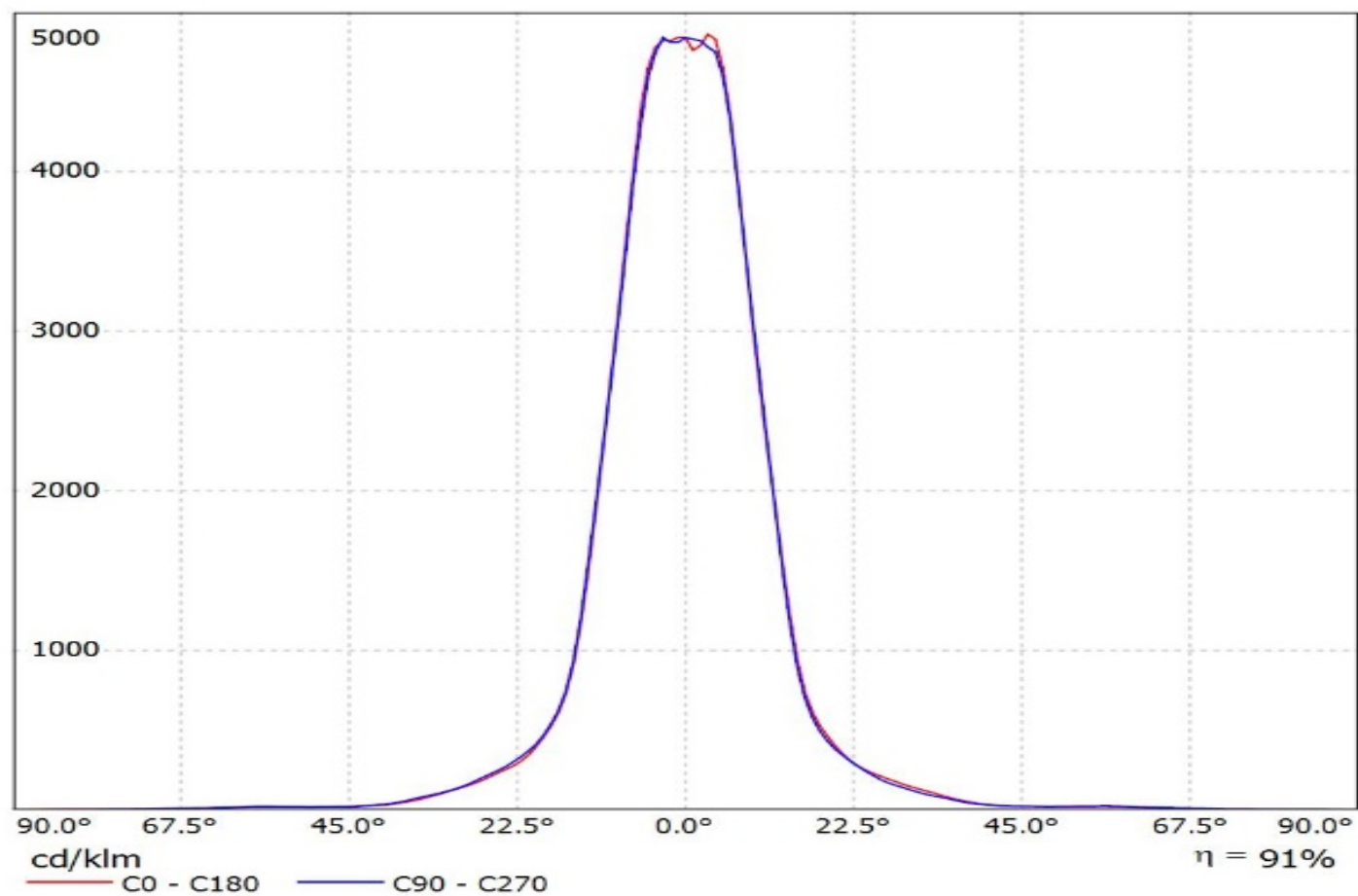
Lamps: 1 x Cree_XP-G2_(XPGBWT-L1-000-00G51)_405.738lm@250mA_P=2.94157W_I=250mA



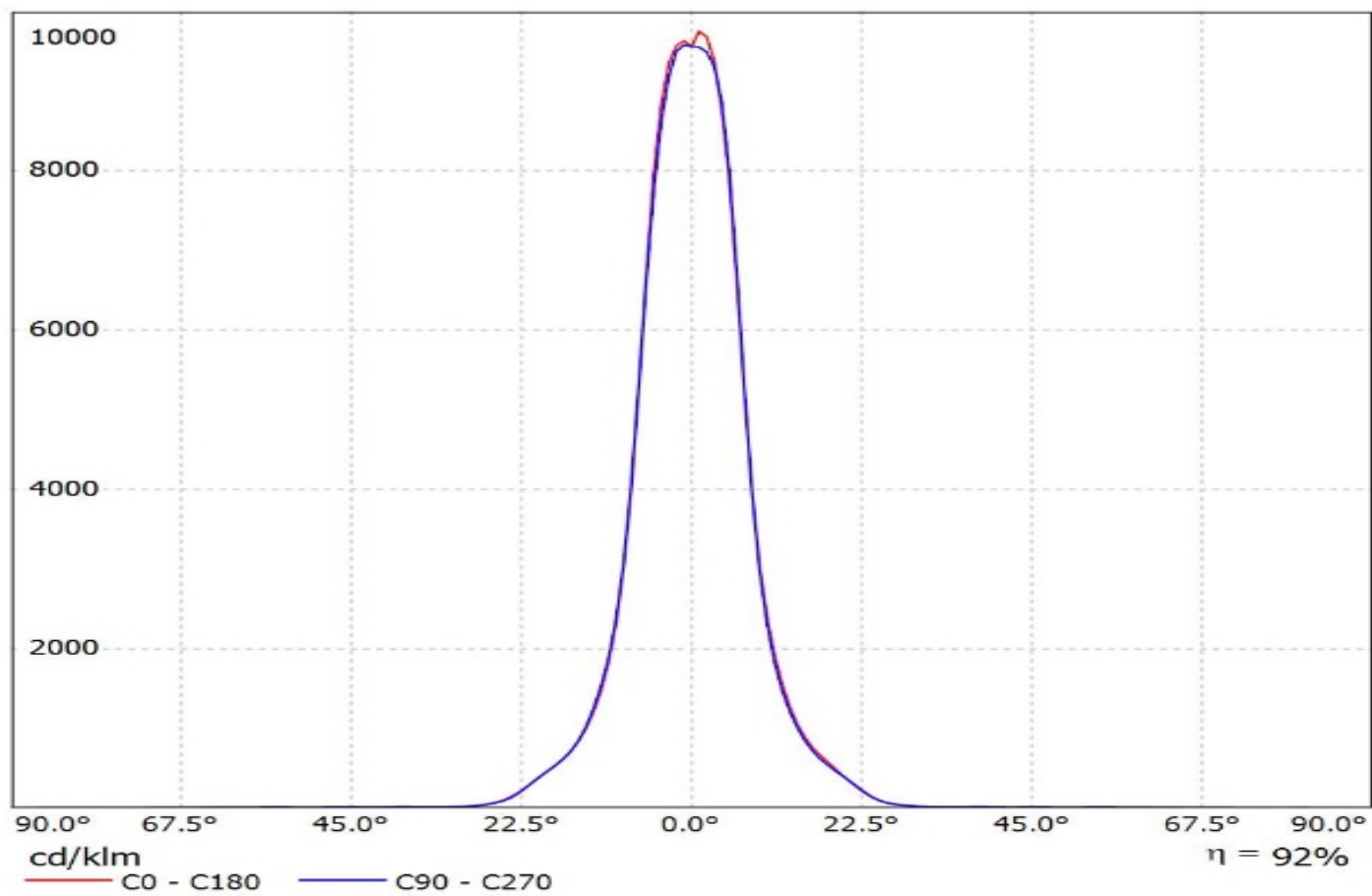
Luminaire: LEDiL Oy C14541_HB-2X2-RS_(XP-E2_(XPEBWT-L1-7B4-Q4-0-01))
Lamps: 1 x Cree_XP-E2_(XPEBWT-L1-7B4-Q4-0-01)_330.877lm@250mA_P=2.92033W_I=250mA



Luminaire: Ledil Oy C14541_HB-2X2-RS_XPH35HD_SIMULATED
Lamps: 1 x CREE XPH35HD

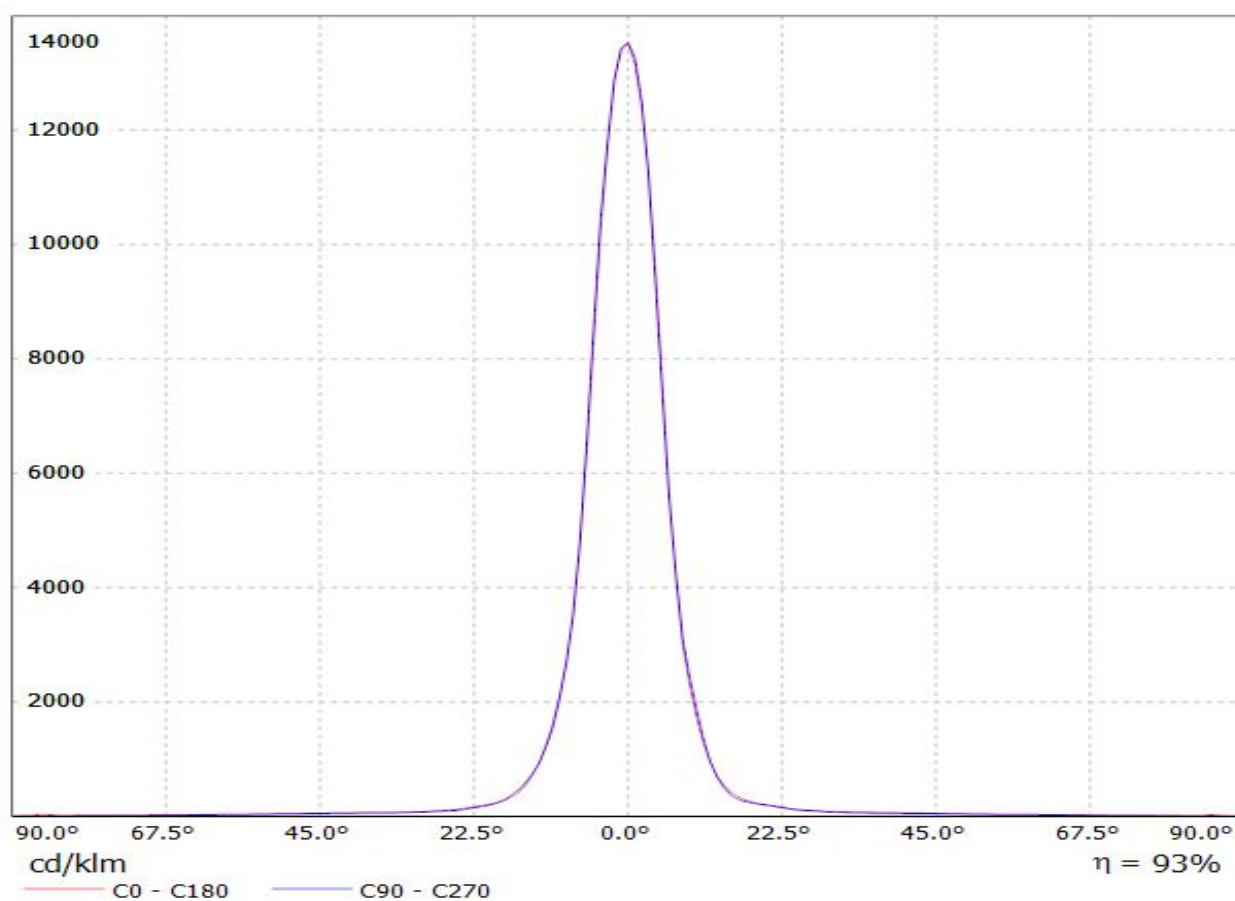


Luminaire: Ledil Oy C14541_HB-2X2-RS_XPH35HI_SIMULATED
Lamps: 1 x CREE XPH35HI

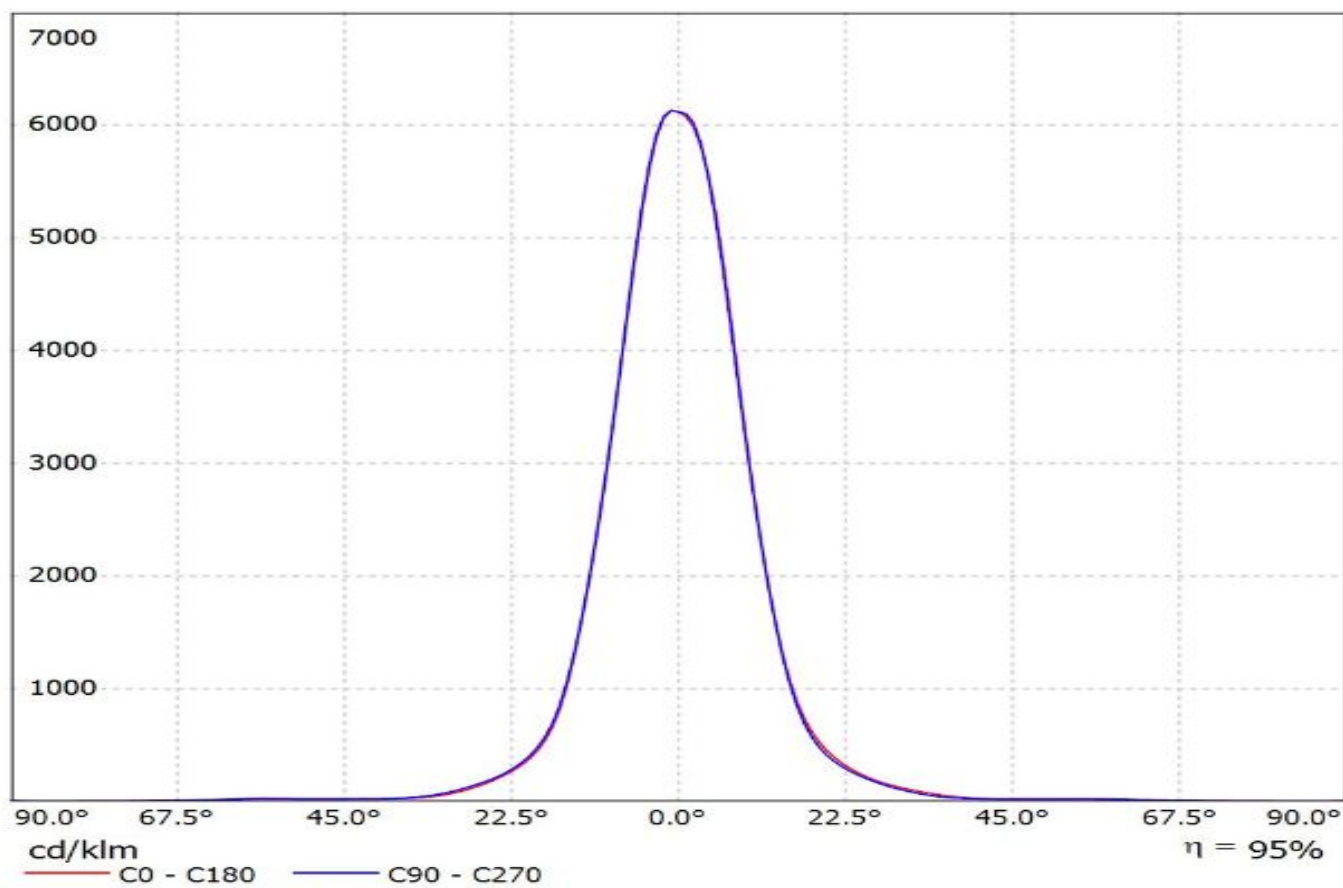


Luminaire: Ledil C14541_HB-2X2-RS_(XD16)

Lamps: 1 x Cree_XD16_2x2_(XD16AWT-H-2B0-S20-0B-002)_455.025lm@250mA_CCT=5700K_P=2.78489W_I=0.25A

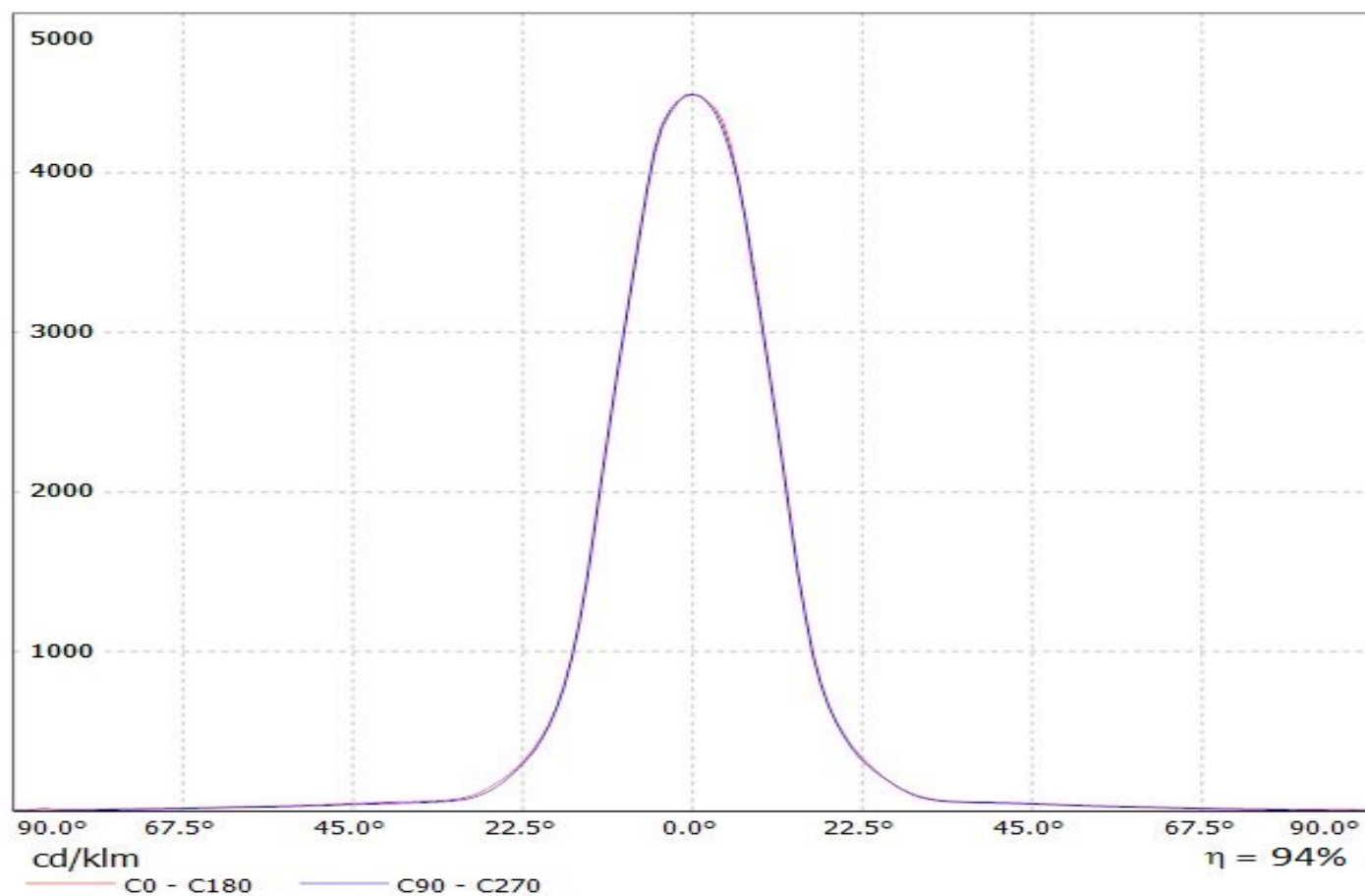


Luminaire: Ledil Oy C14541_HB-2X2-RS_(CREE_XP-L)_SIMULATED
Lamps: 1 x CREE_XP-L

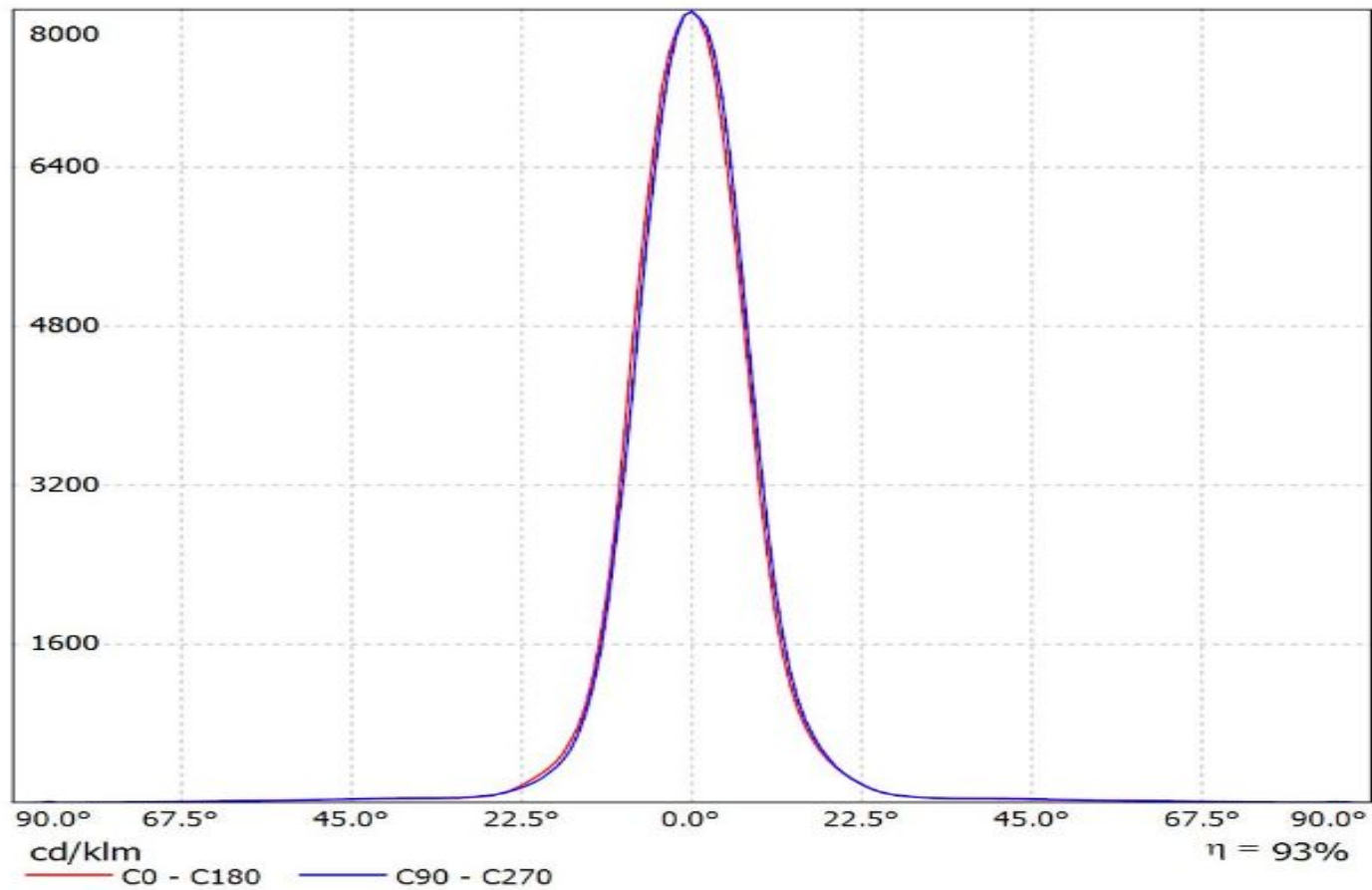


Luminaire: LEDiL Oy C14541_HB-2X2-RS_(NWSL229AE)

Lamps: 1 x Nichia_2X2_NWSL229AE_476.548lm@250mA_P=2.7515W_I=0.250A

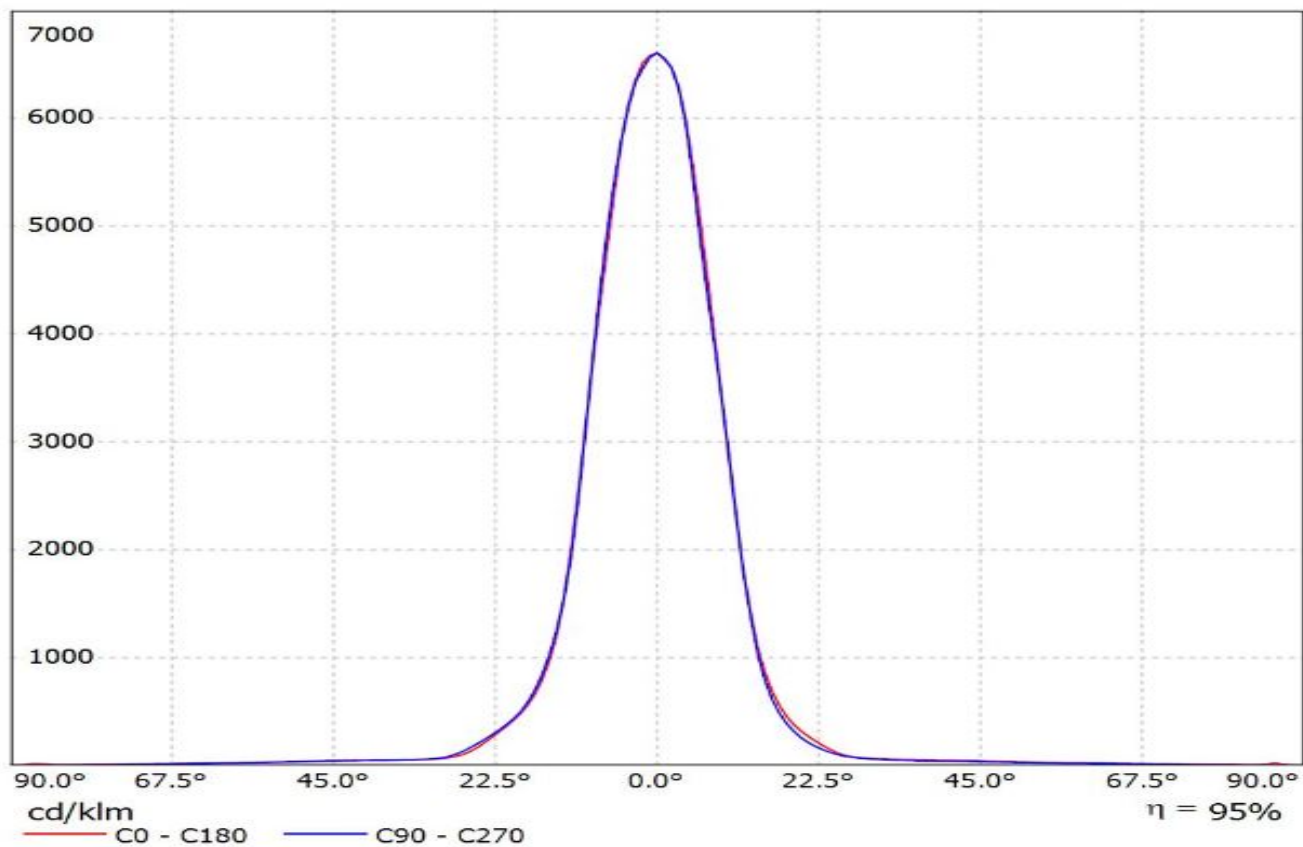


Luminaire: Ledil C14541_HB-2x2-RS_(NVSL219CE)
Lamps: 1 x Nichia_NVSL219CE_496.405lm@250mA_CCT=4000K_P=2.8465W_I=0.25A



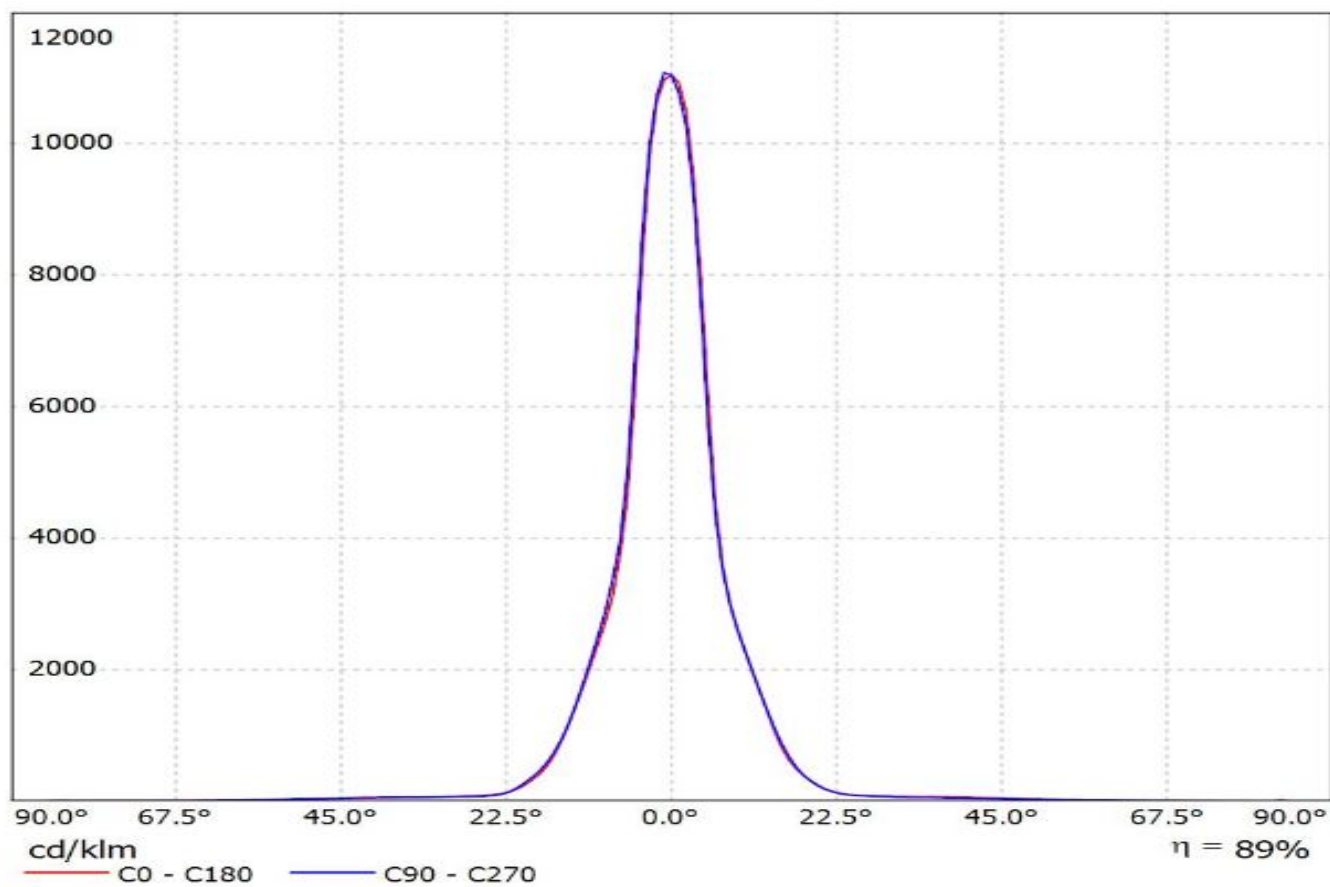
Luminaire: LEDiL Oy C14541_HB-2X2-RS_(NVSW3x9A)

Lamps: 1 x Nichia_NVSW3x9A_(sm405/R70)_483.482lmP=2.75904W_I=0.250A

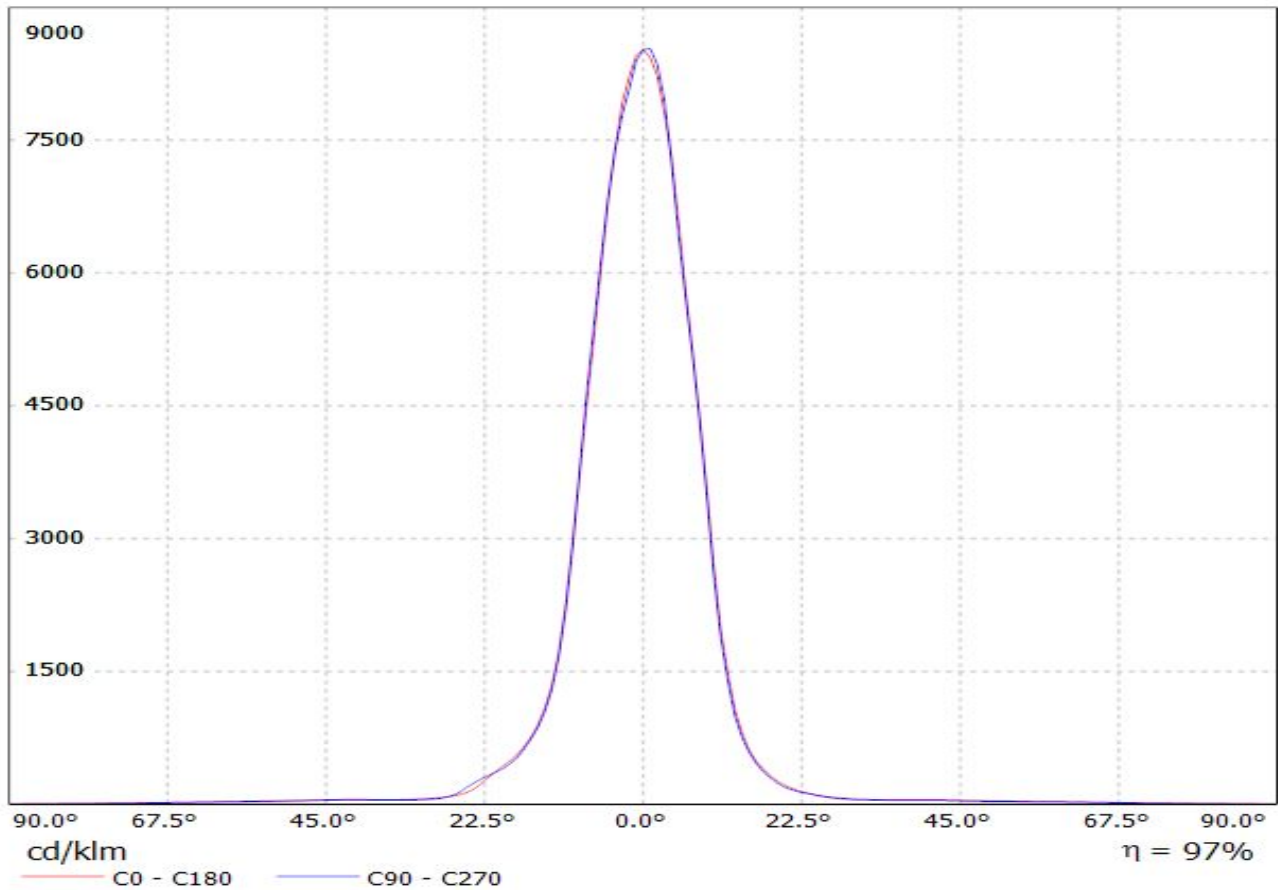


Luminaire: LEDiL Oy C14541_HB-2X2-RS_(E21A)

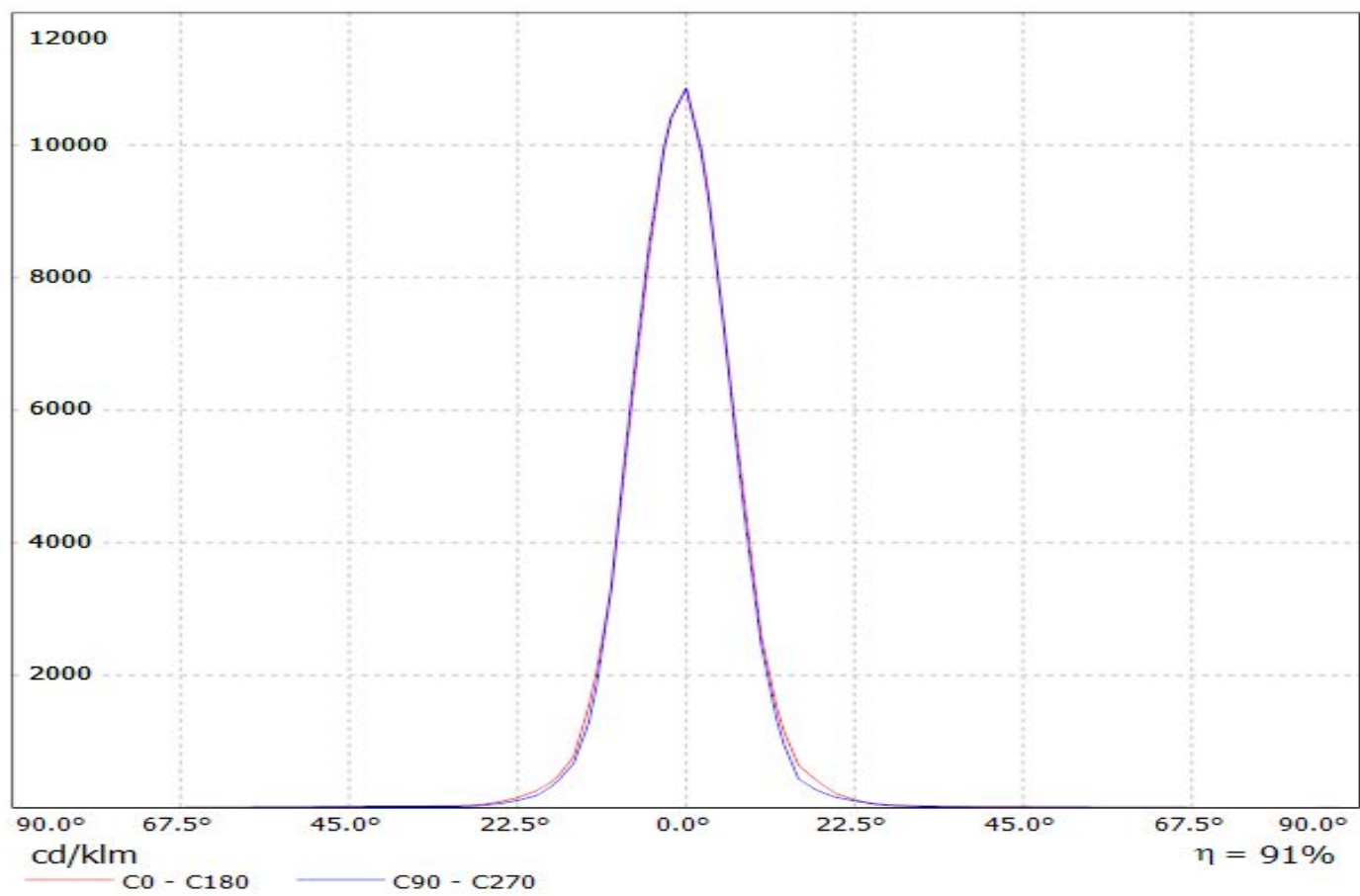
Lamps: 1 x Nichia_E21A_2X2_454.1lm@250mA_P=2.81W_I=0.250A



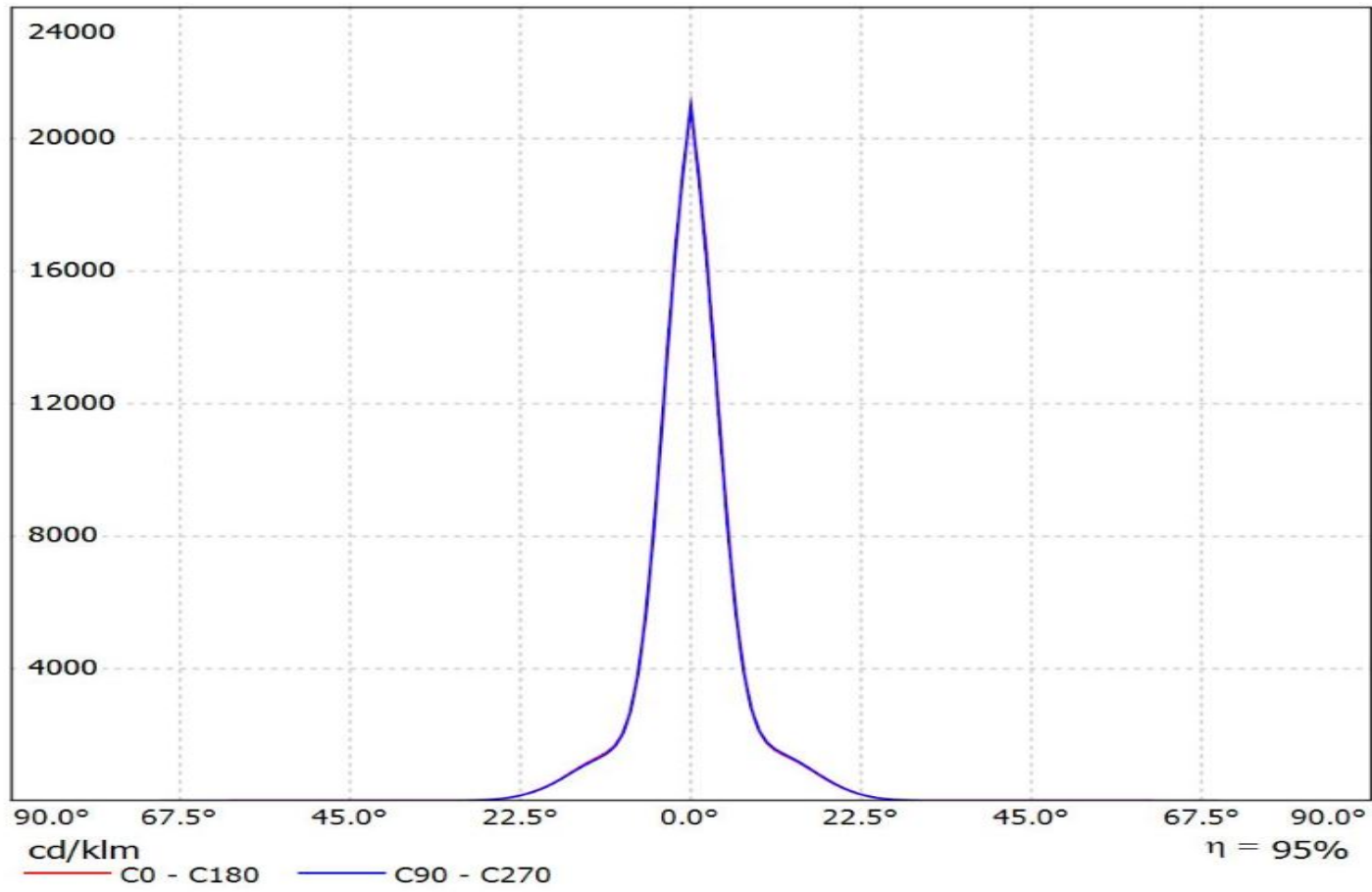
Luminaire: LEDiL Oy C14541_HB-2X2-RS_(NVSW219D)
Lamps: 1 x Nichia_NVSW219D_516.635lm@250mA_P=2.82399W_CCT=4000K_I=0.250A



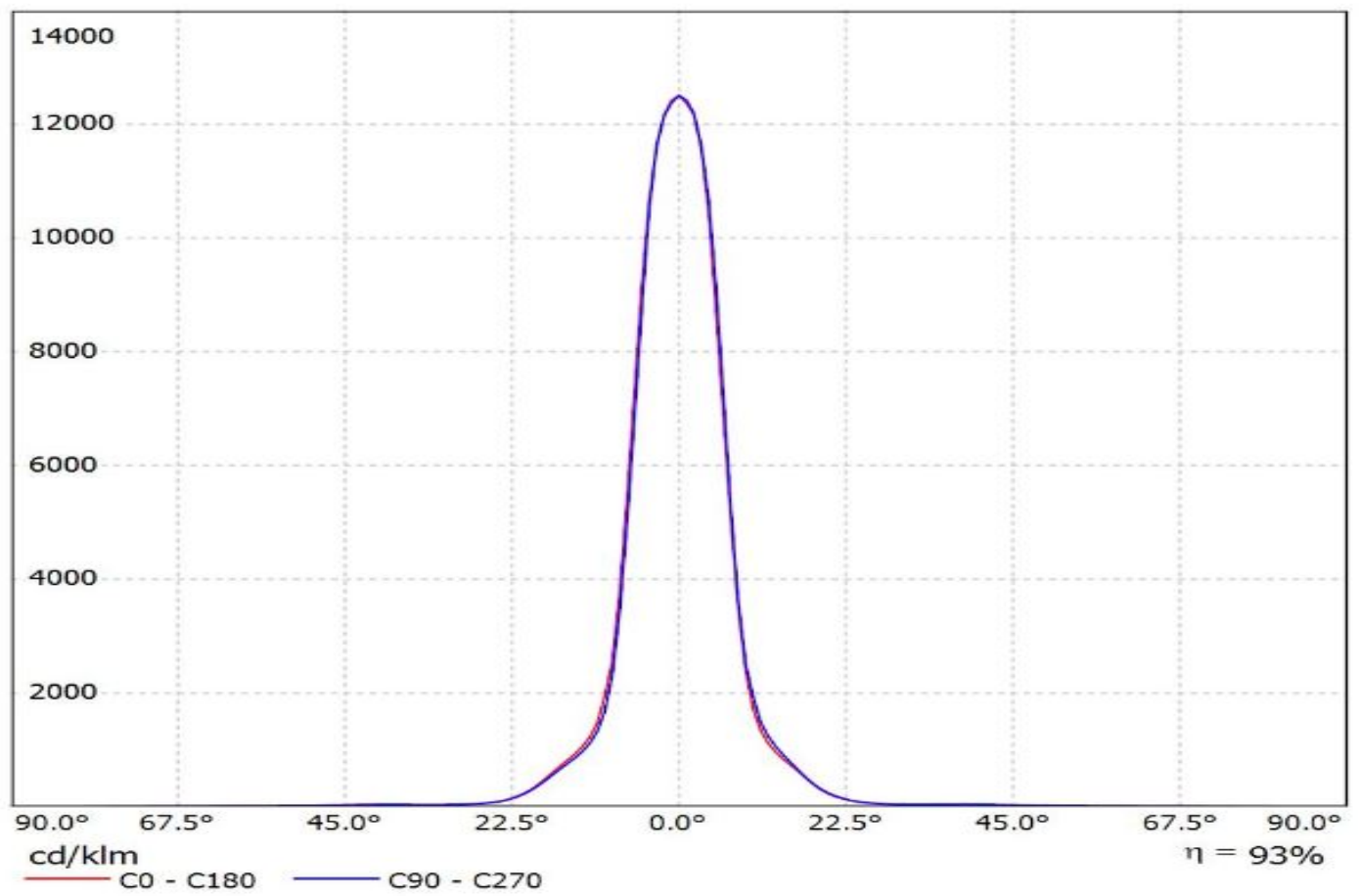
Luminaire: LEDiL Oy
Lamps: 1 x C14541-HB-2x2-RS_(SQ_Gen3)



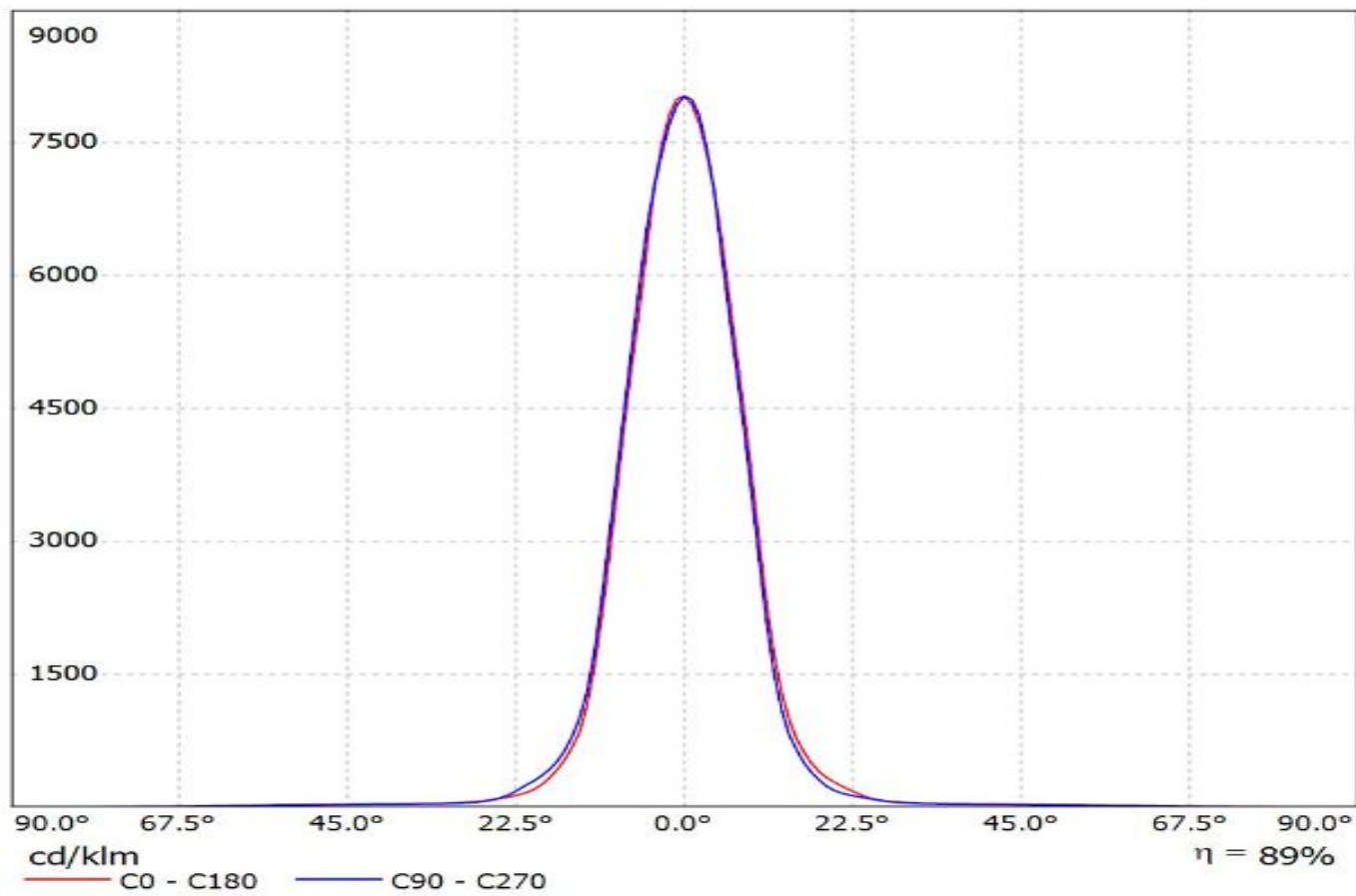
Luminaire: Ledil Oy C14541_HB-2X2-RS_(OSLON-SSL-80)_SIMULATION C14541_HB-2X2-RS_(OSLON-SSL-80)_SIMULATION
Lamps: 1 x OSRAM OSLON-SSL-80 - 1.00 W



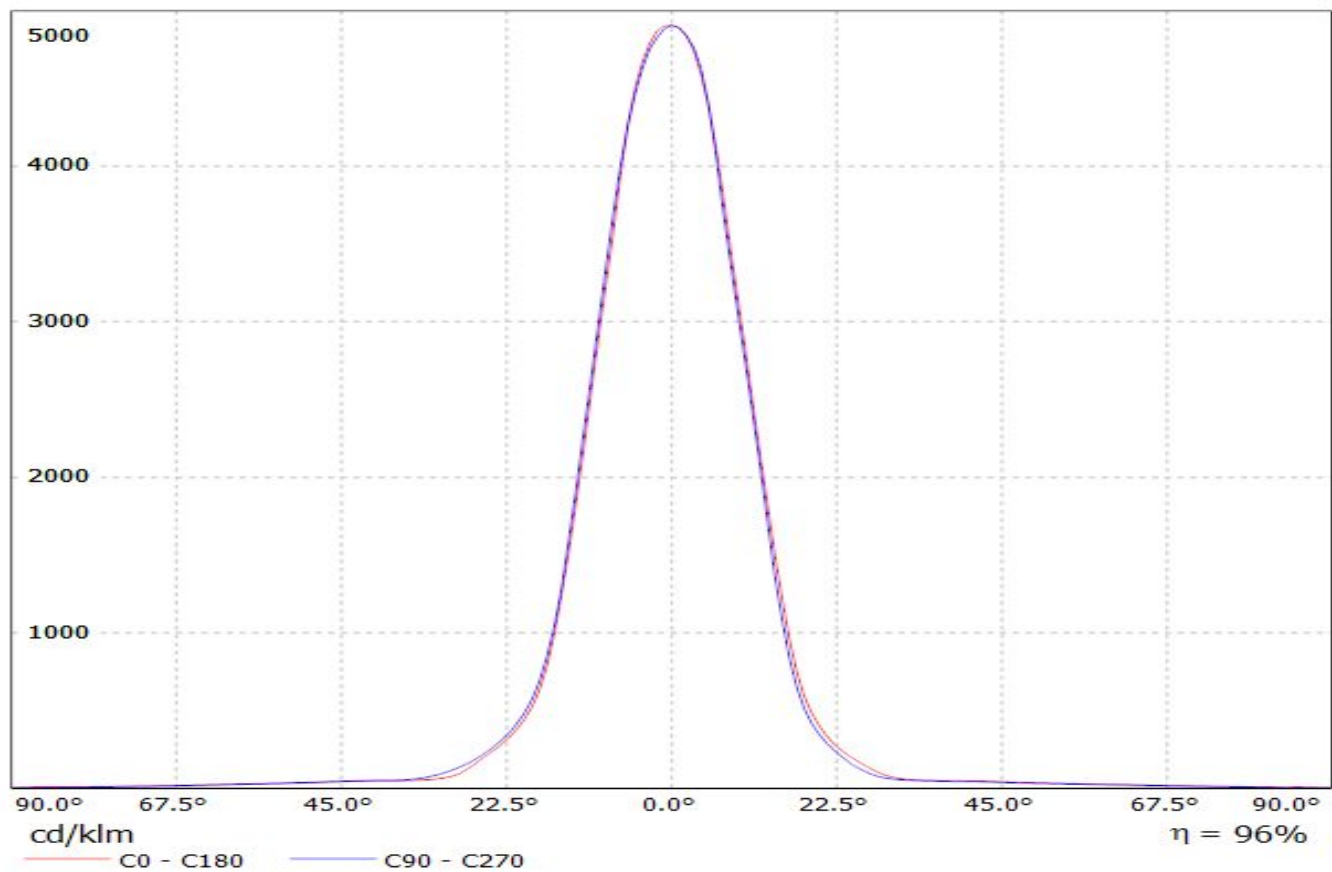
Luminaire: Ledil C14541_HB-2X2-RS_(Fortimo_FastFlex_LED_board_2x8/740_DA_G3)
Lamps: 1 x Fortimo_FastFlex_LED_board_2x8/740_DA_G3_1823.98lm@250mA_P=11.65W_I=0.25A



Luminaire: Ledil C14541_HB-2X2-RS_(LH351B)
Lamps: 1 x Samsung_LH351B_2x2_444.178lm@250mA_P=2.8535W_I=0.25A

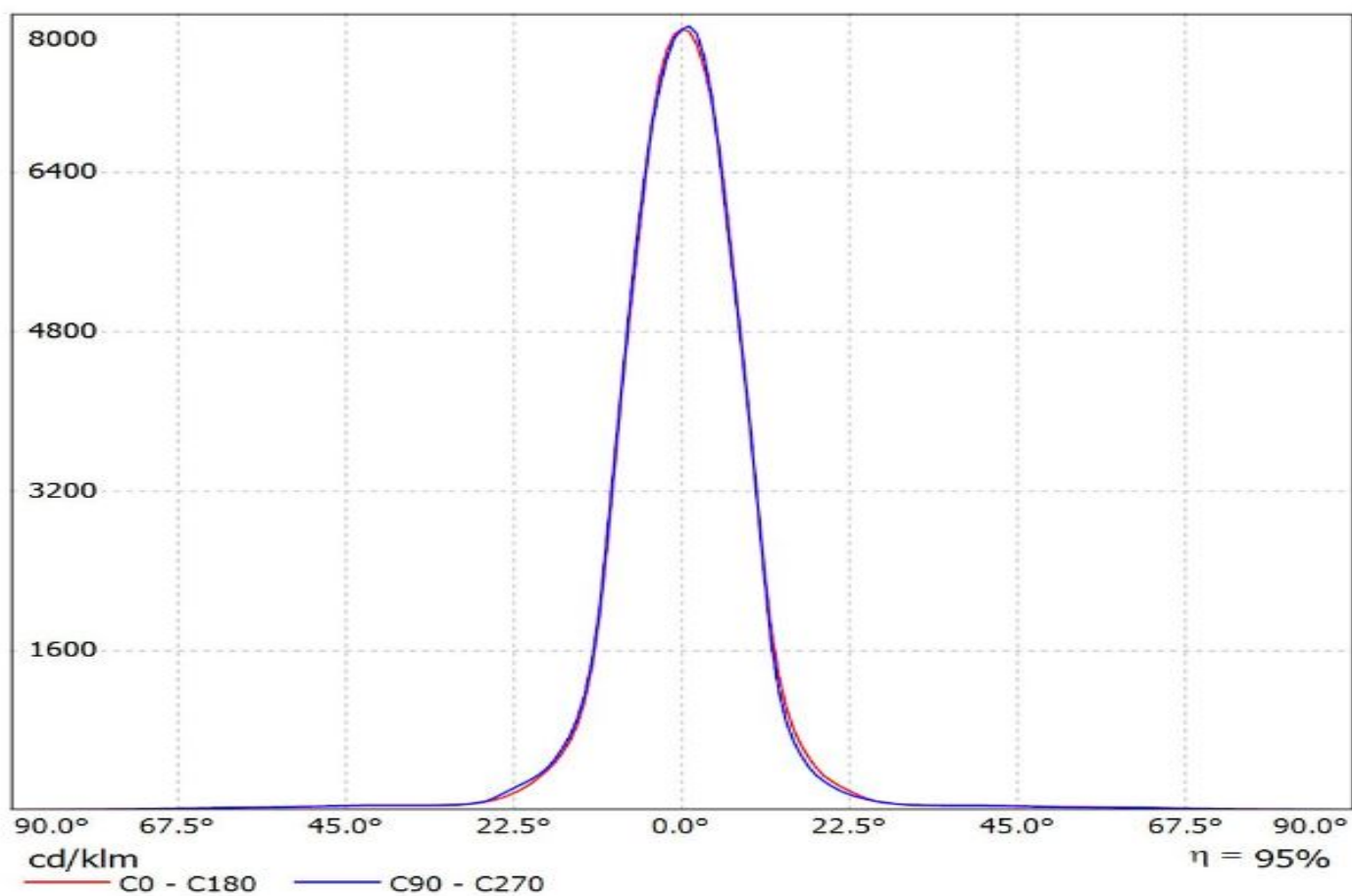


Luminaire: LEDiL Oy C14541_HB-2X2-RS_(LH351D)
Lamps: 1 x Samsung_LH351D_524.264lm@250mA_P=2.7523W_I=0.250A

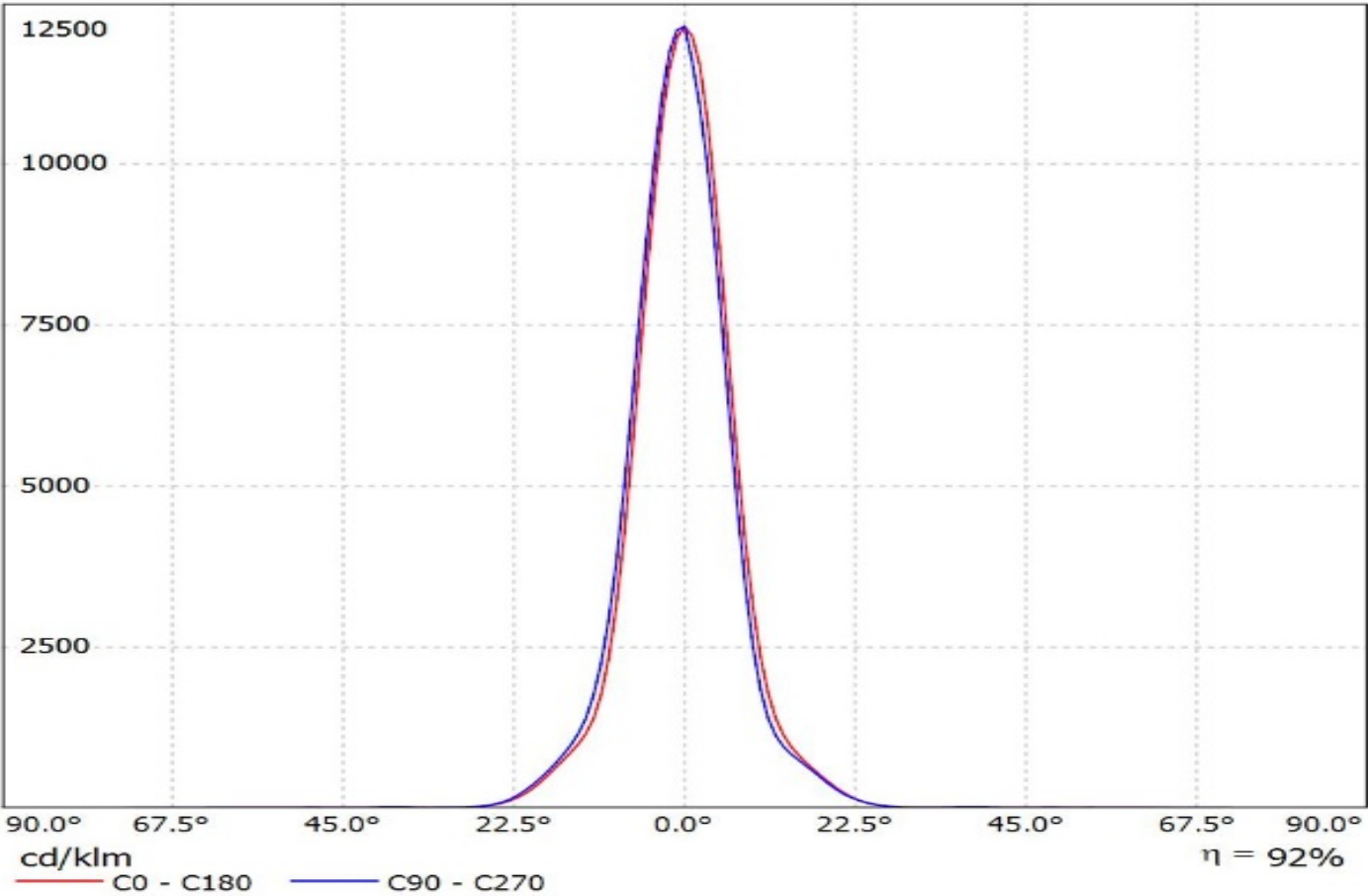


Luminaire: Ledil C14541_HB-2X2-RS_(LH351C)

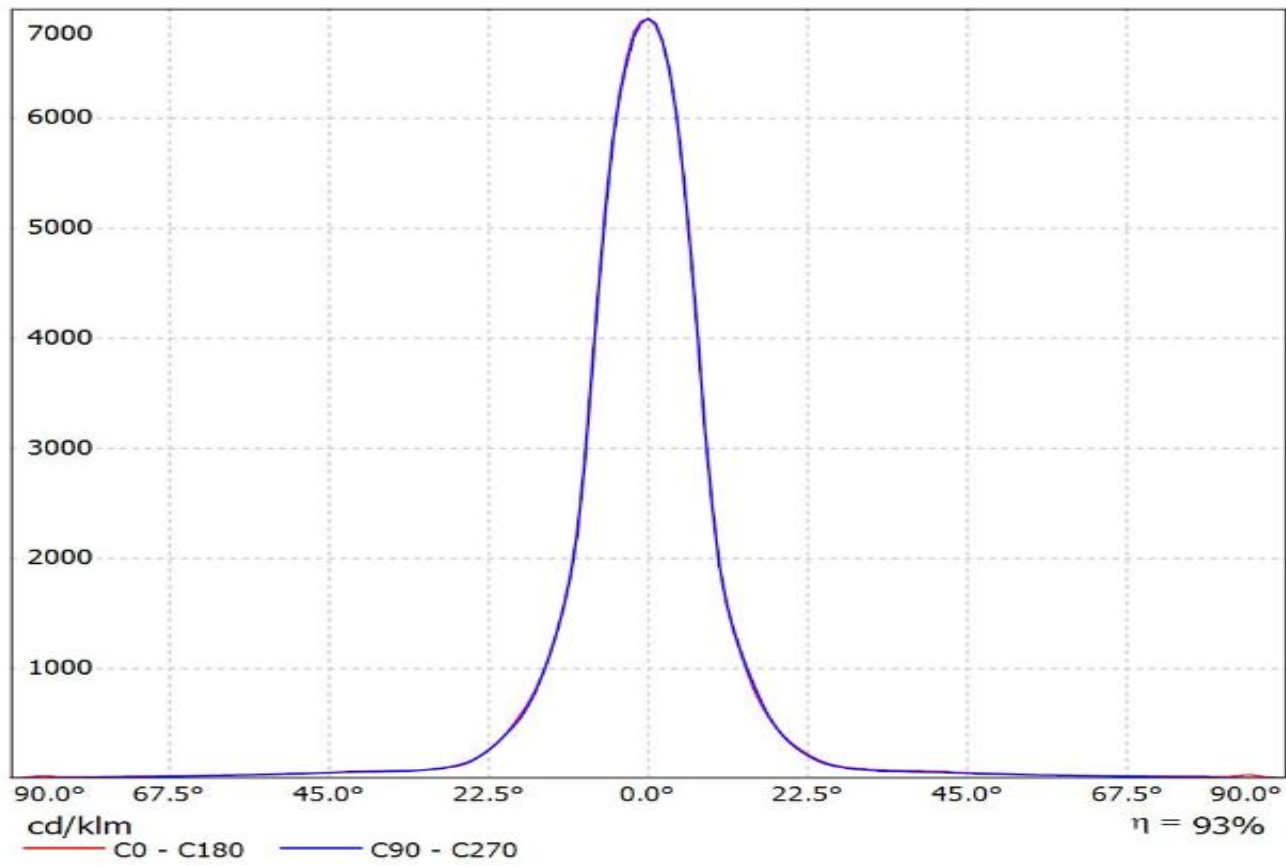
Lamps: 1 x Samsung_LH351C_518.223lm@250mA_P=2.85225W_I=0.25A



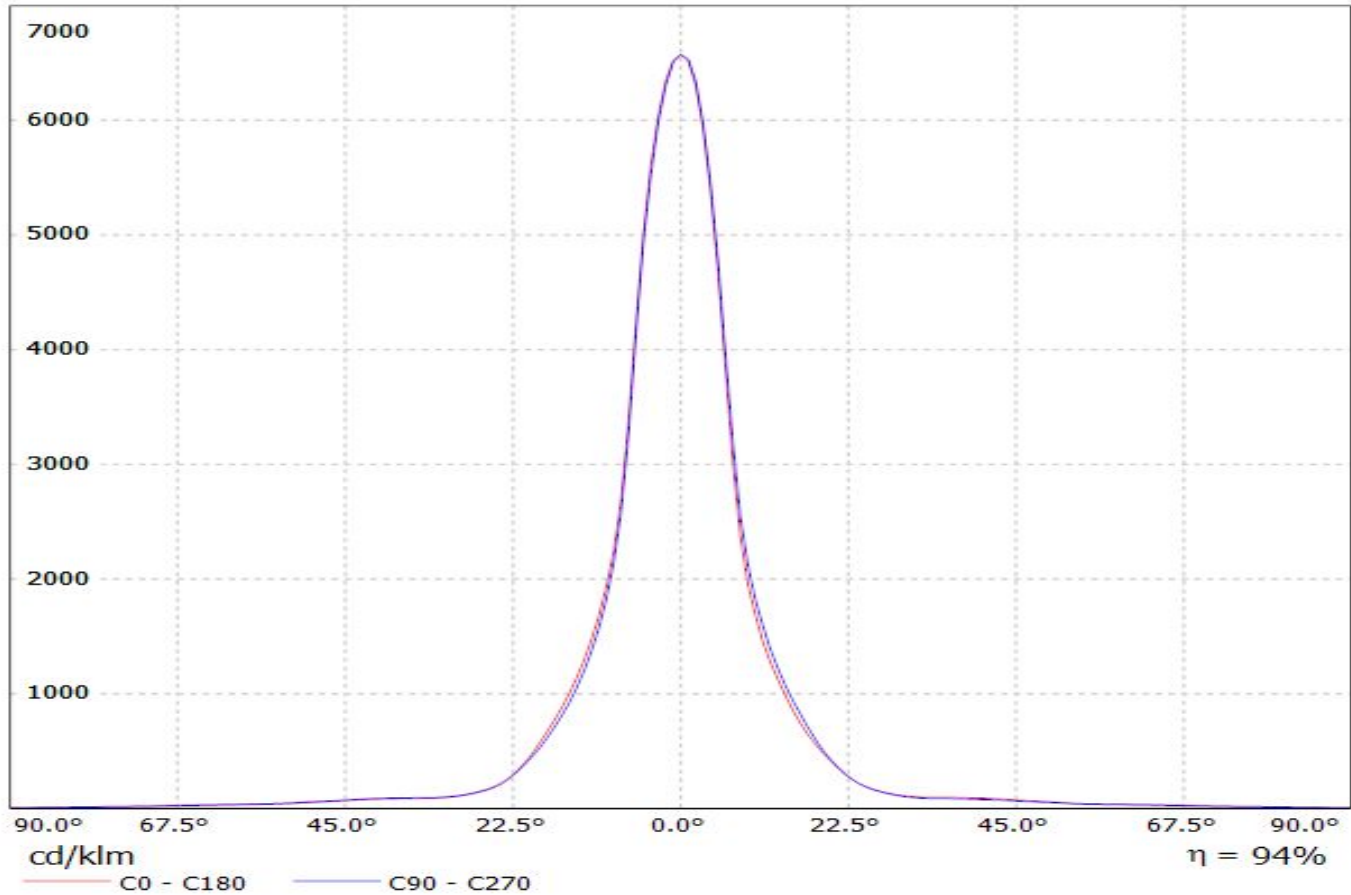
Luminaire: Ledil Oy C14541_HB-2X2-RS_(Z5M2)_SIMULATED
Lamps: 1 x Seoul Z5M2 (SZ5-M2-W0-00)



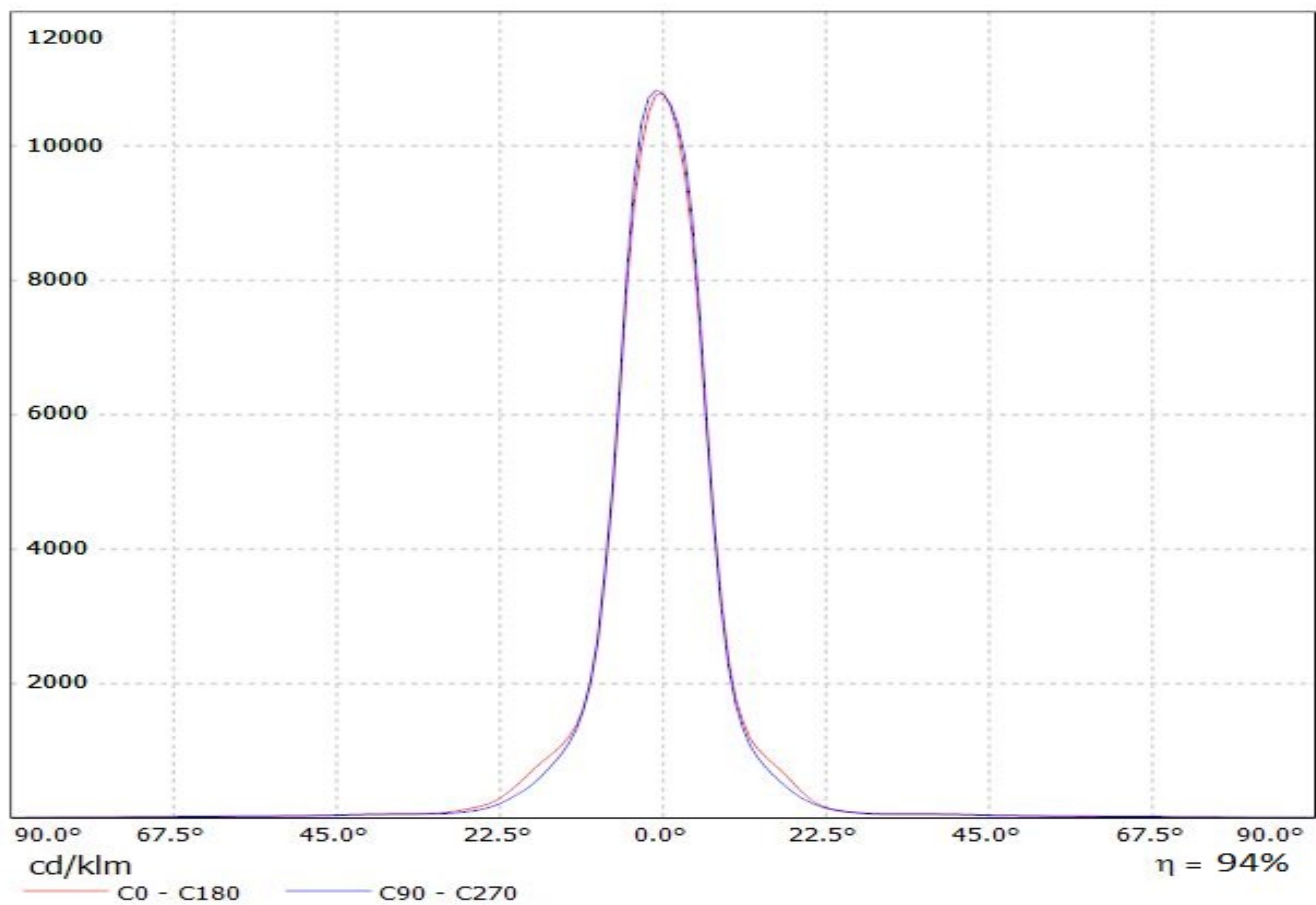
Luminaire: Ledil C14541_HB-2X2-RS_(Z8Y22plus)
Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_513.996lm@250mA_P=2.754W_I=0.250A



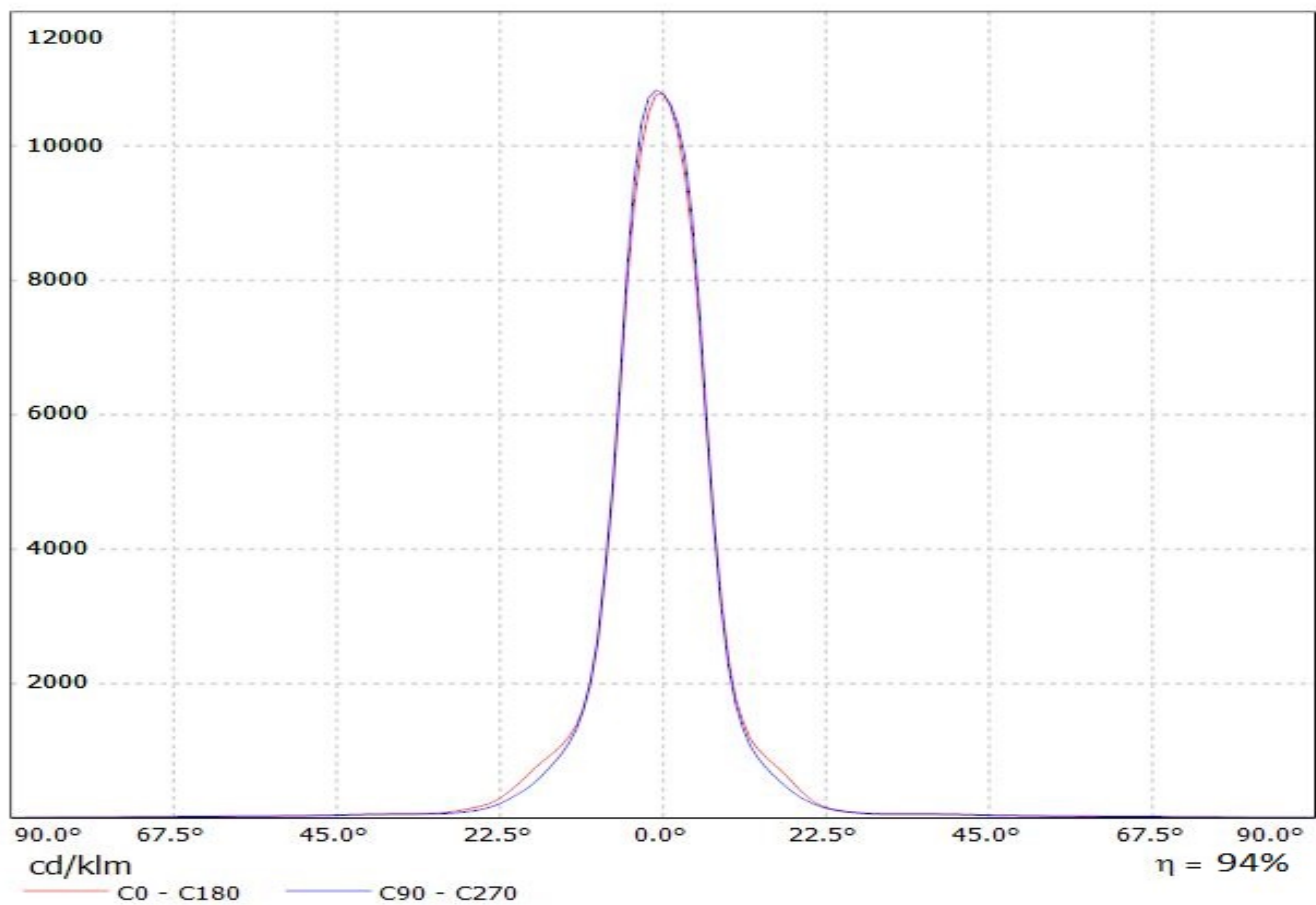
Luminaire: LEDiL Oy C14541_HB-2X2-RS_(Z8Y22)
Lamps: 1 x Seoul_Wicop_Z8Y22_497.373lm@250mA_P=2.80076W_U=11.211V



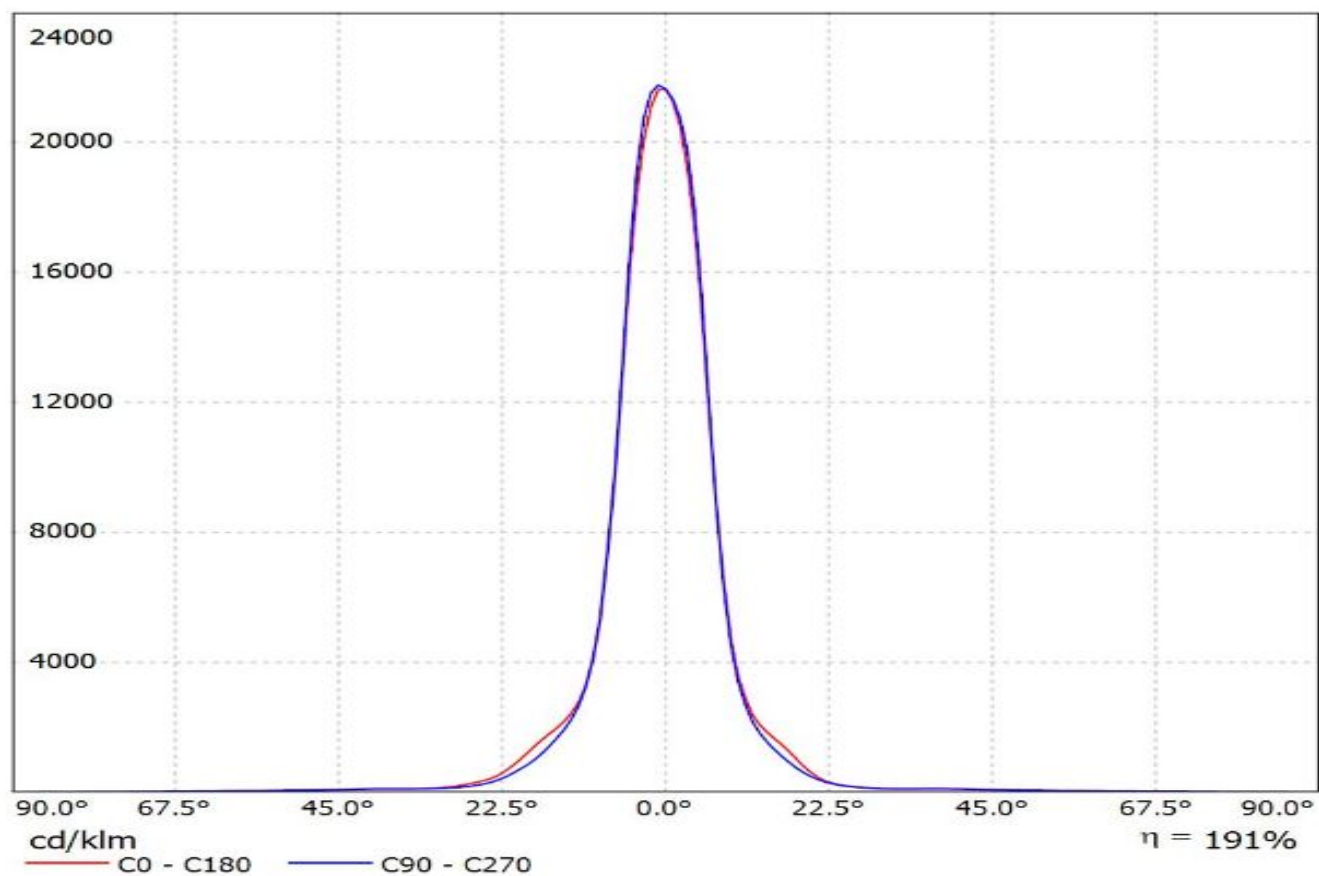
Luminaire: LEDiL Oy C14541_HB-2X2-RS_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A



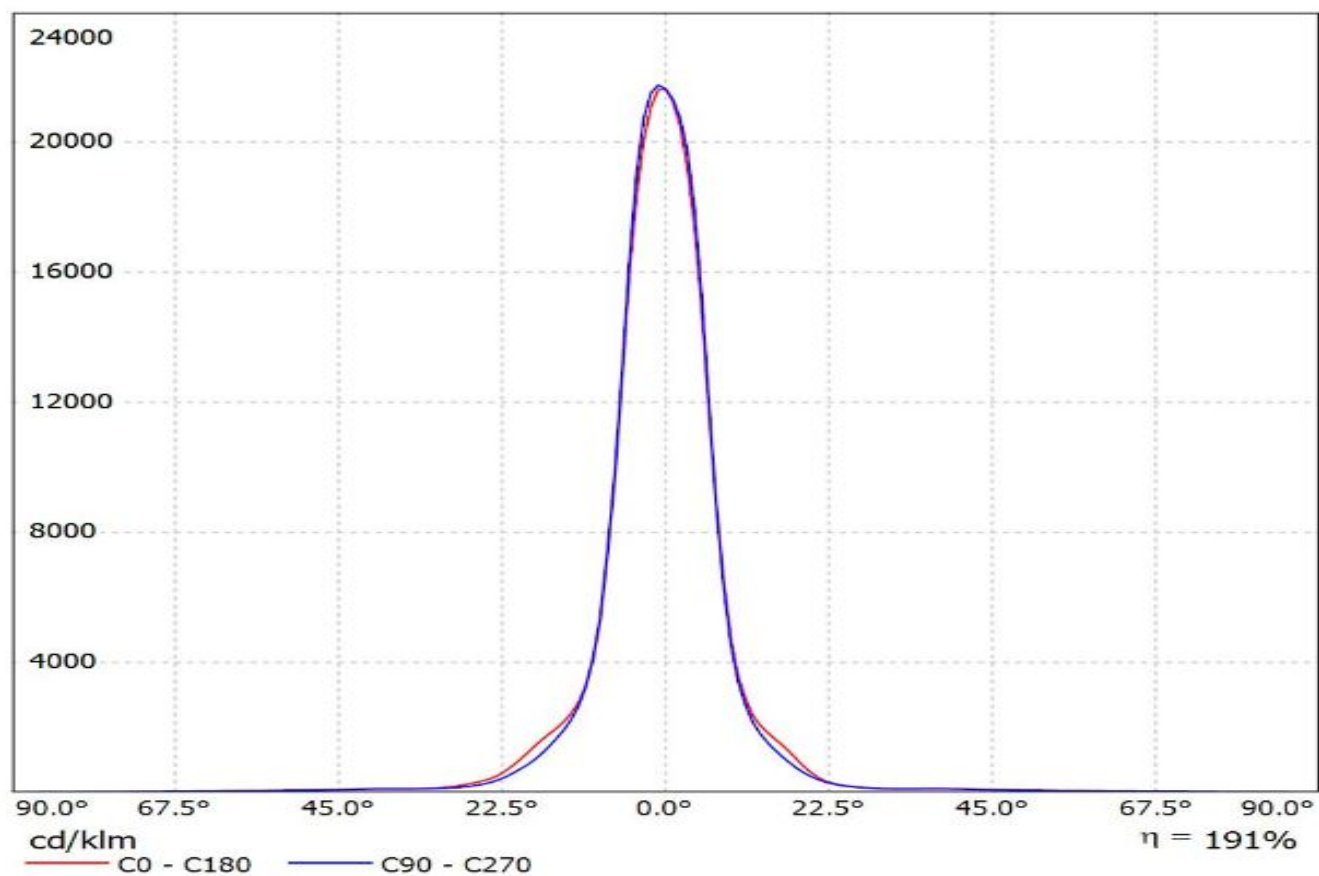
Luminaire: LEDiL Oy C14541_HB-2X2-RS_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A



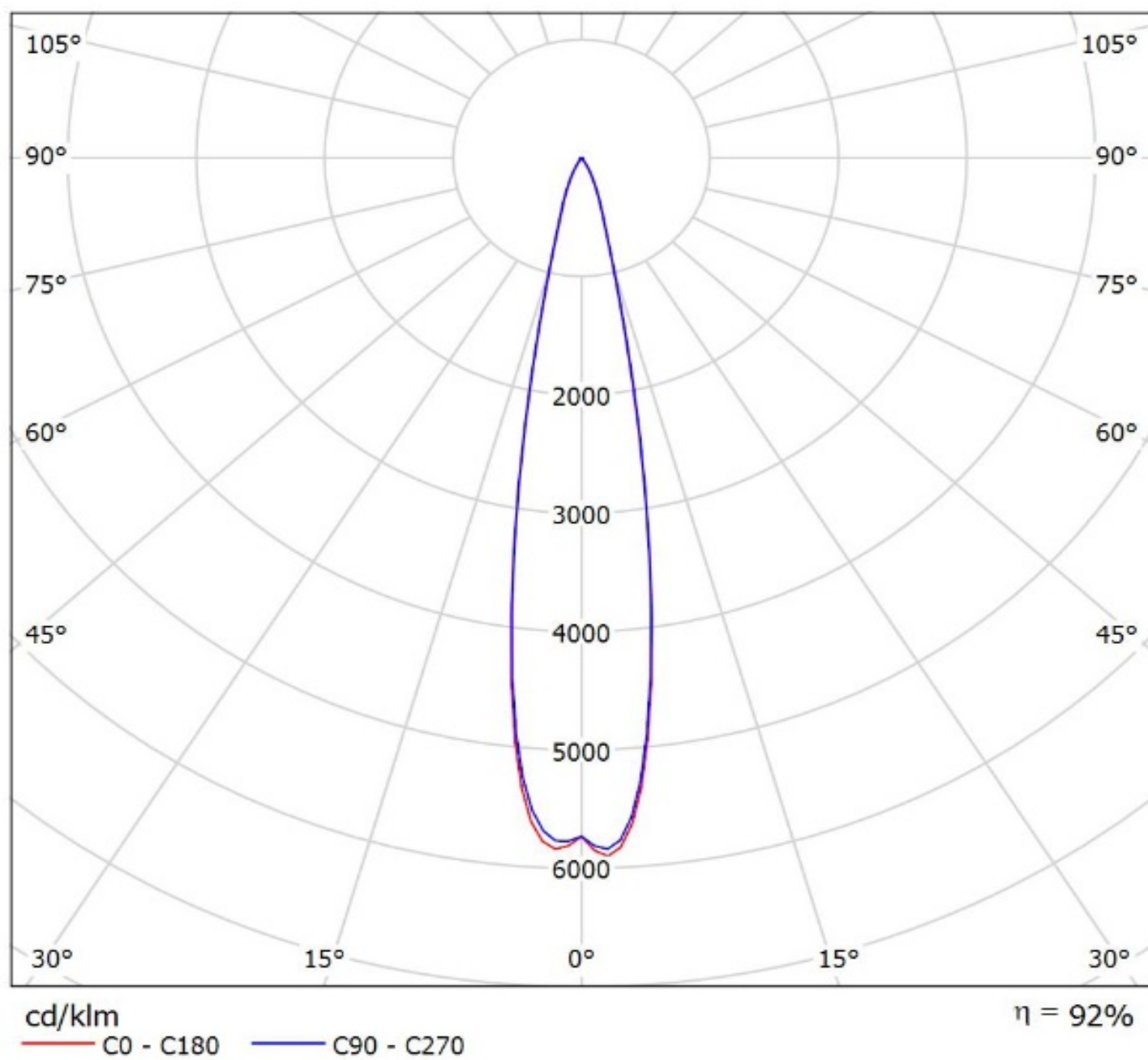
Luminaire: LEDiL Oy C14541_HB-2X2-RS_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_2288lm@700mA_P=16W_I=0.700A



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

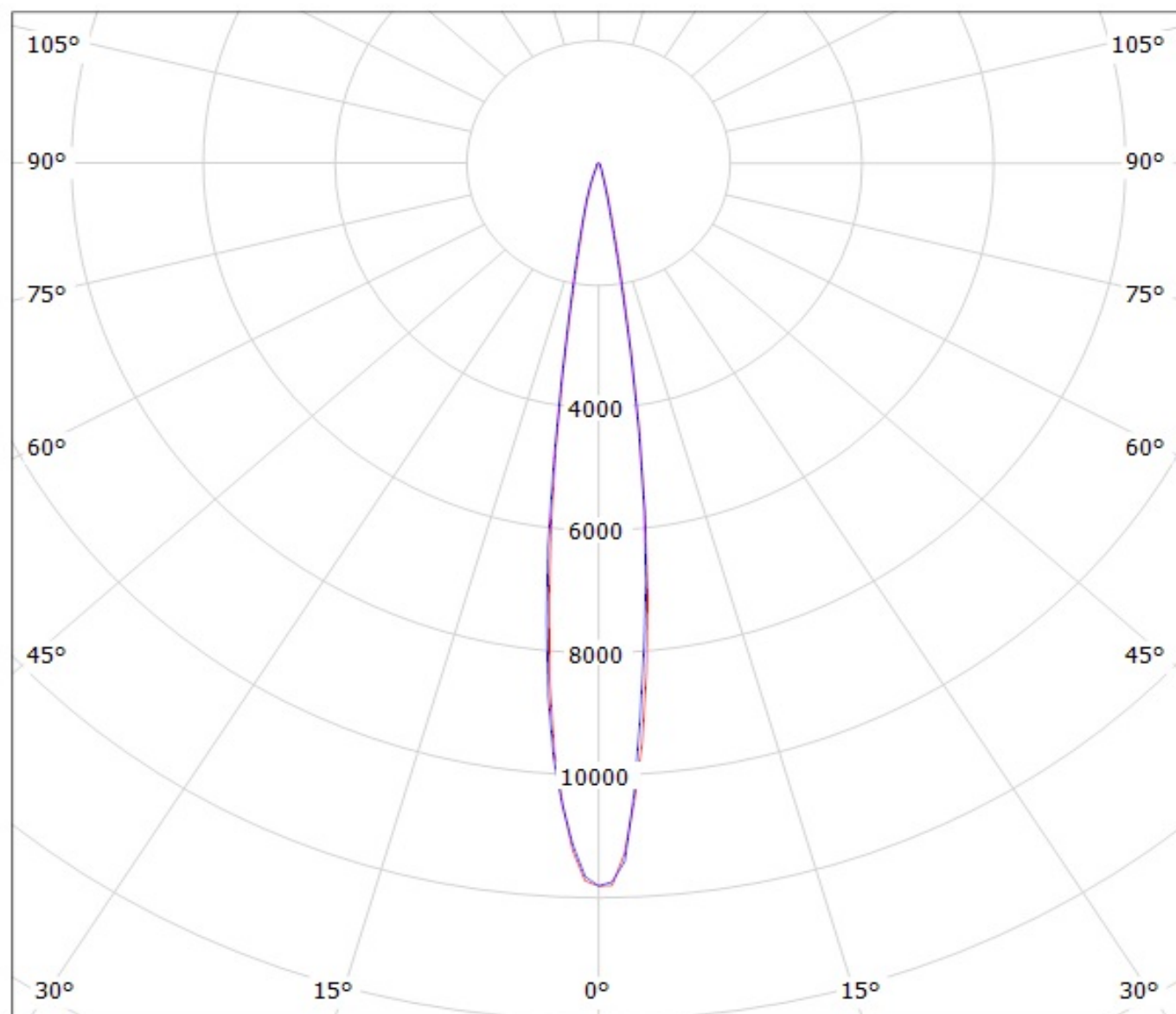


Luminaire: Ledil Oy C14541_HB-2X2-RS-XM-L2_SIMULATED
Lamps: 1 x Cree XM-L2



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

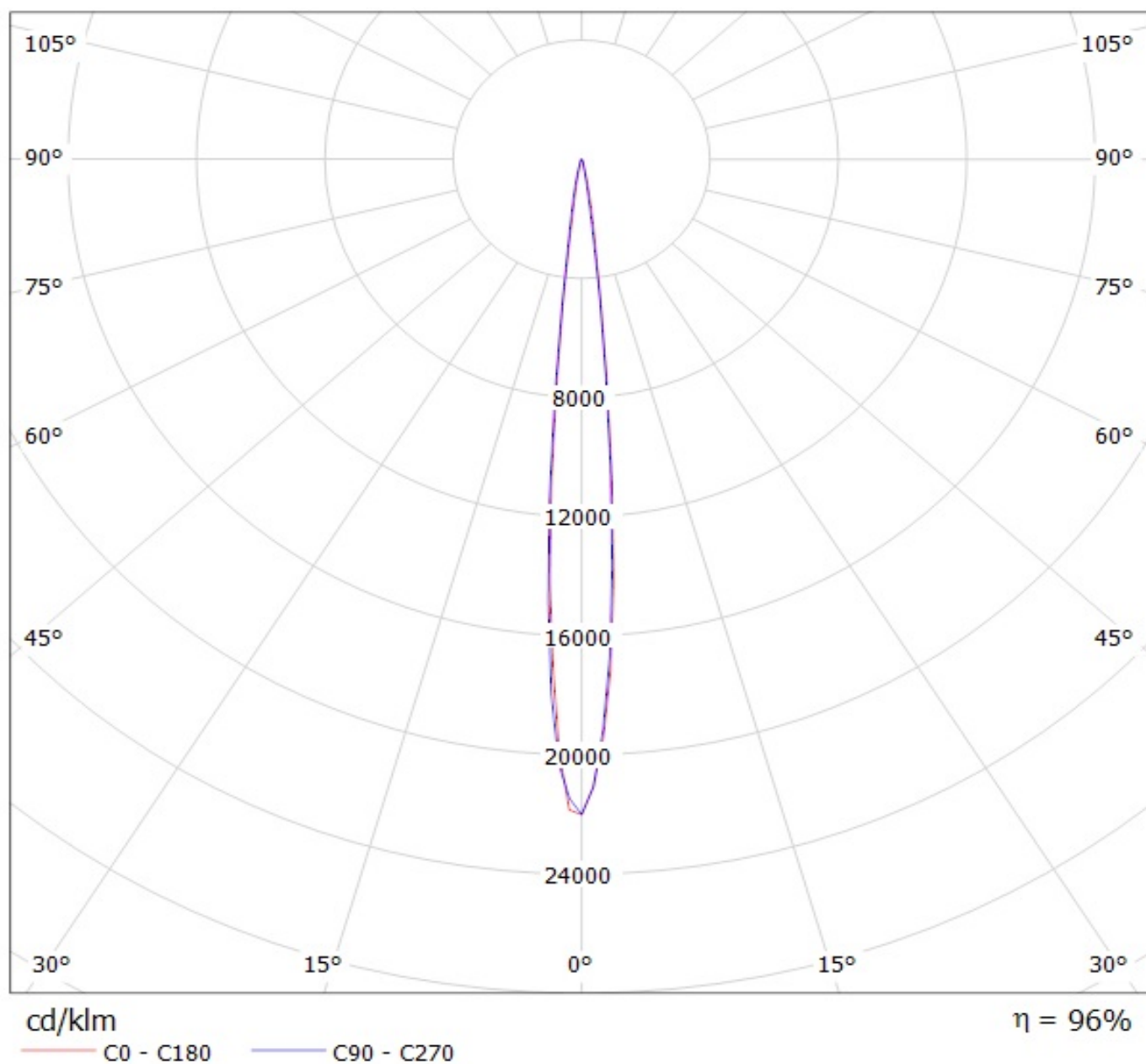
$\eta = 96\%$

C0 - C180

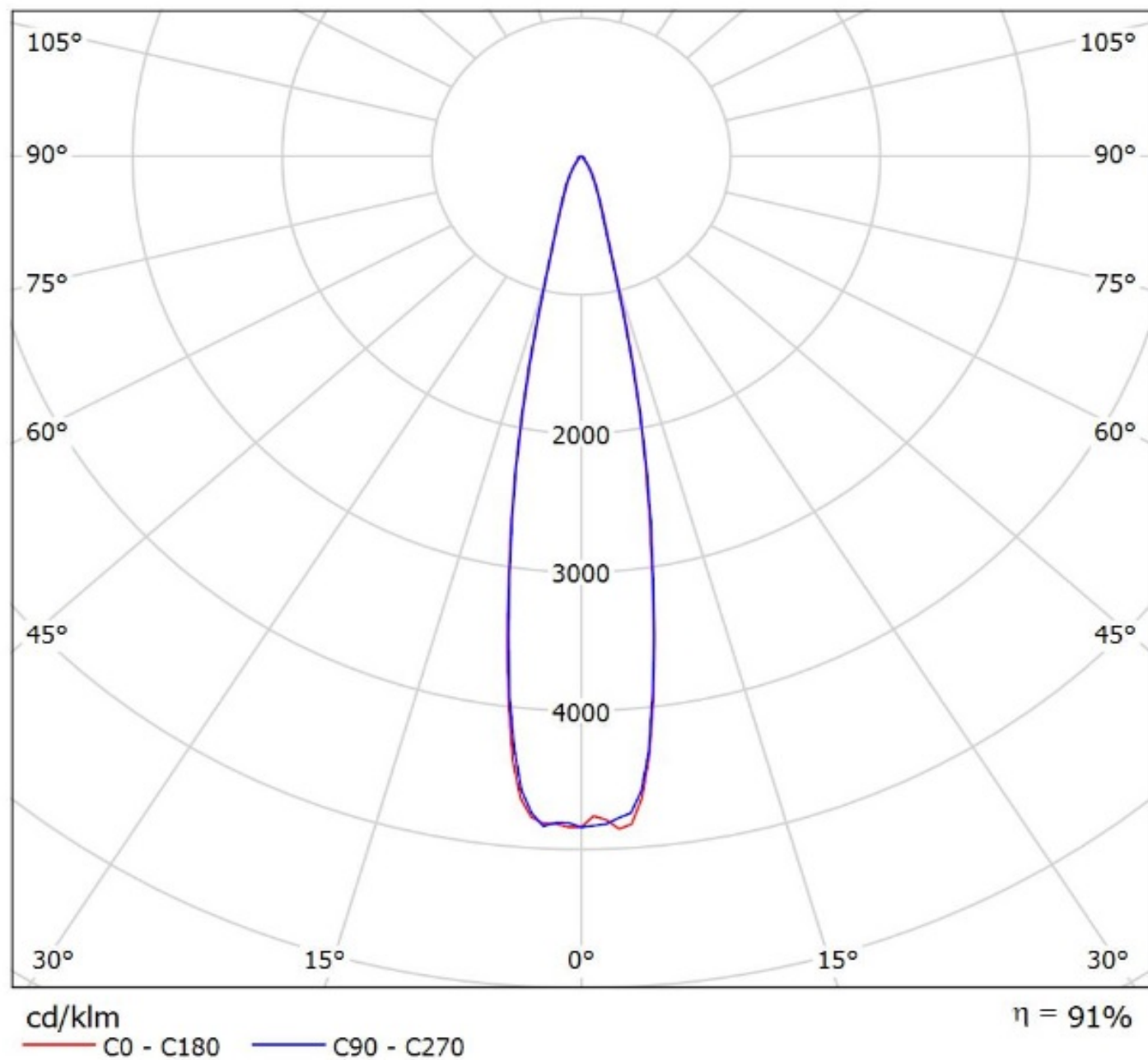
C90 - C270

Luminaire: LEDiL Oy C14541_HB-2X2-RS_(XP-E2_(XPEBWT-L1-7B4-Q4-0-01)

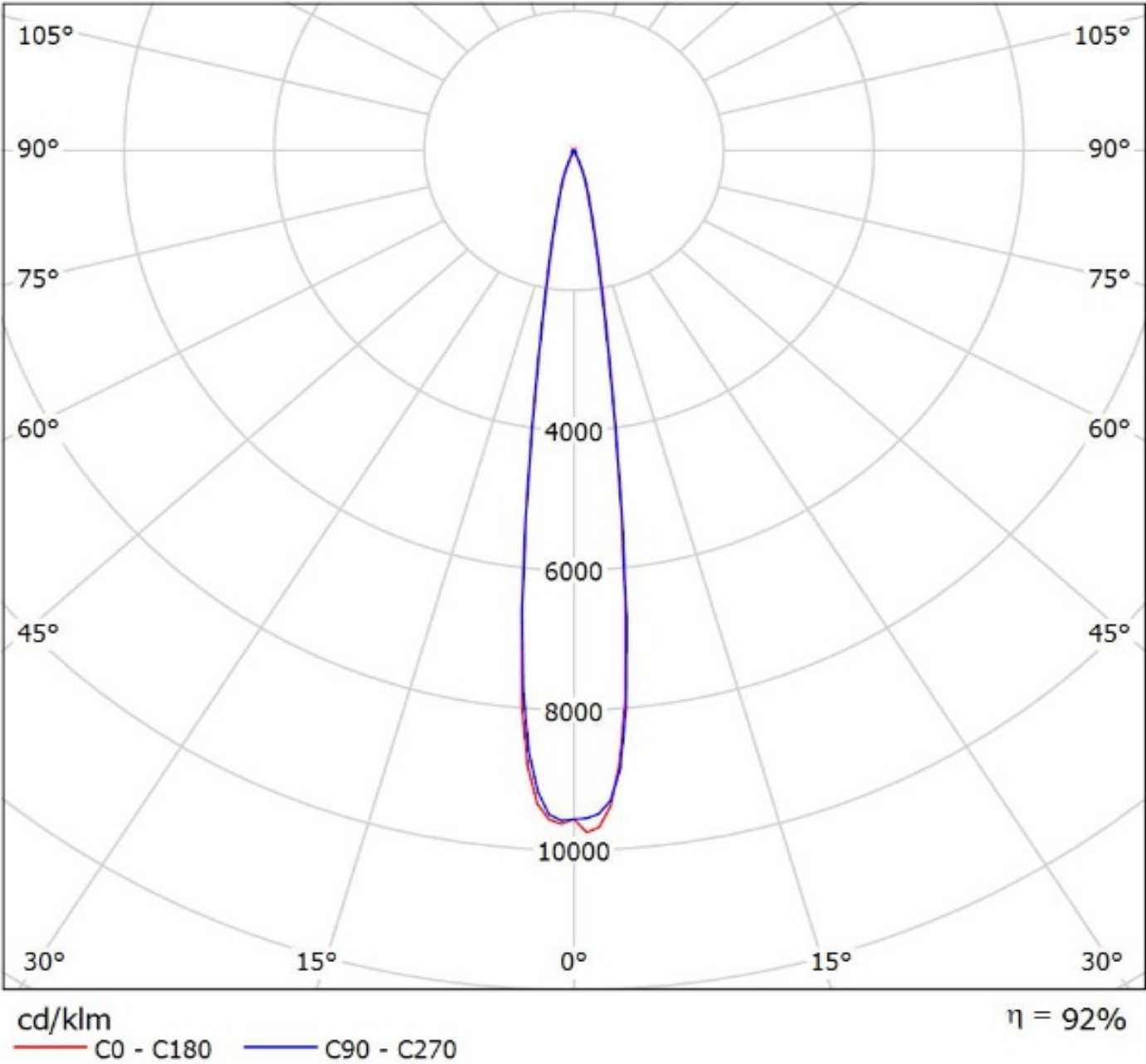
Lamps: 1 x Cree_XP-E2_(XPEBWT-L1-7B4-Q4-0-01)_330.877lm@250mA_P=2.92033W_I=250mA



Luminaire: Ledil Oy C14541_HB-2X2-RS_XPH35HD_SIMULATED
Lamps: 1 x CREE XPH35HD

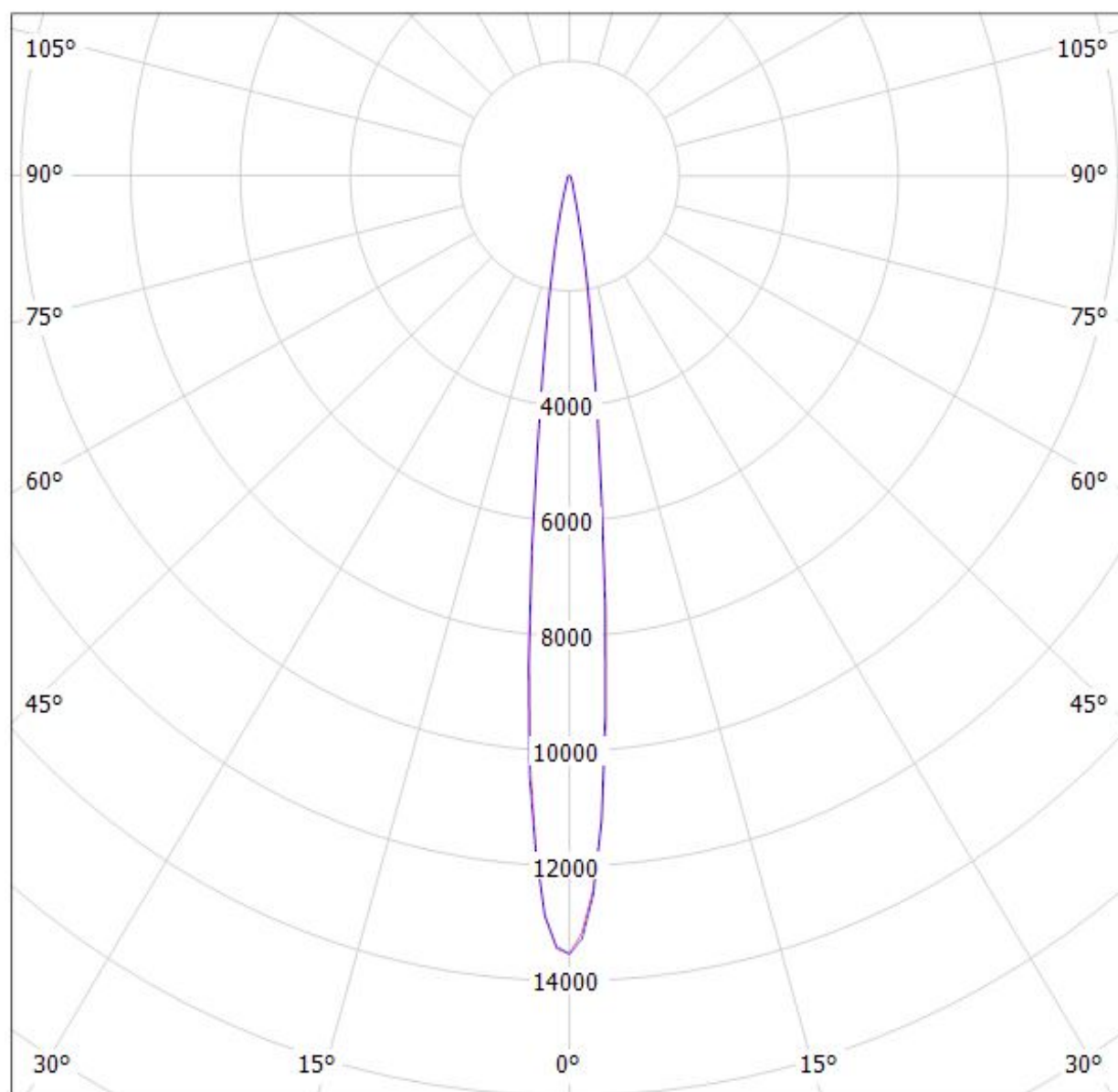


Luminaire: Ledil Oy C14541_HB-2X2-RS_XPH35HI_SIMULATED
Lamps: 1 x CREE XPH35HI



Luminaire: Ledil C14541_HB-2X2-RS_(XD16)

Lamps: 1 x Cree_XD16_2x2_(XD16AWT-H-2B0-S20-0B-002)_455.025lm@250mA_CCT=5700K_P=2.78489W_I=0.25A

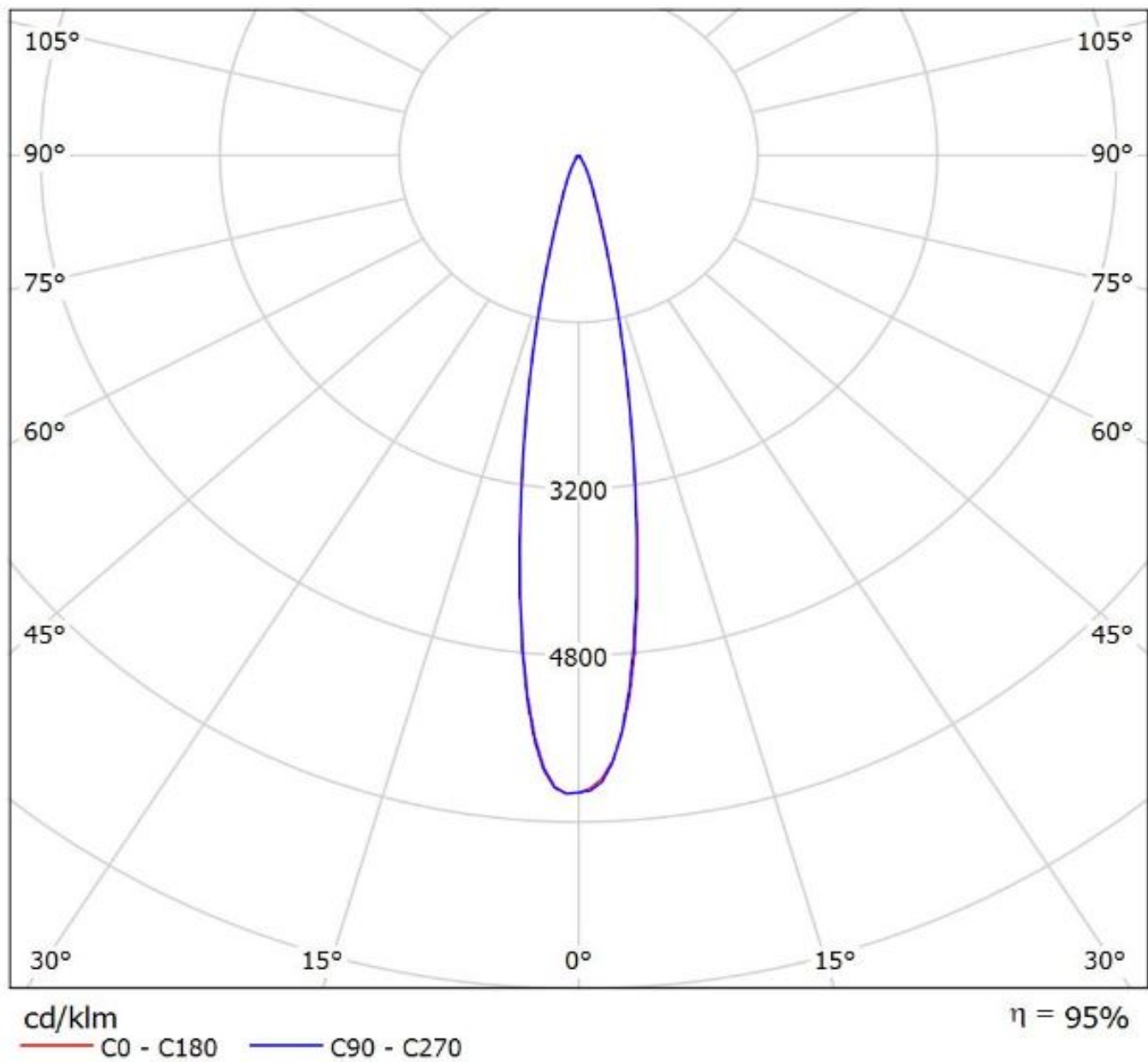


cd/klm

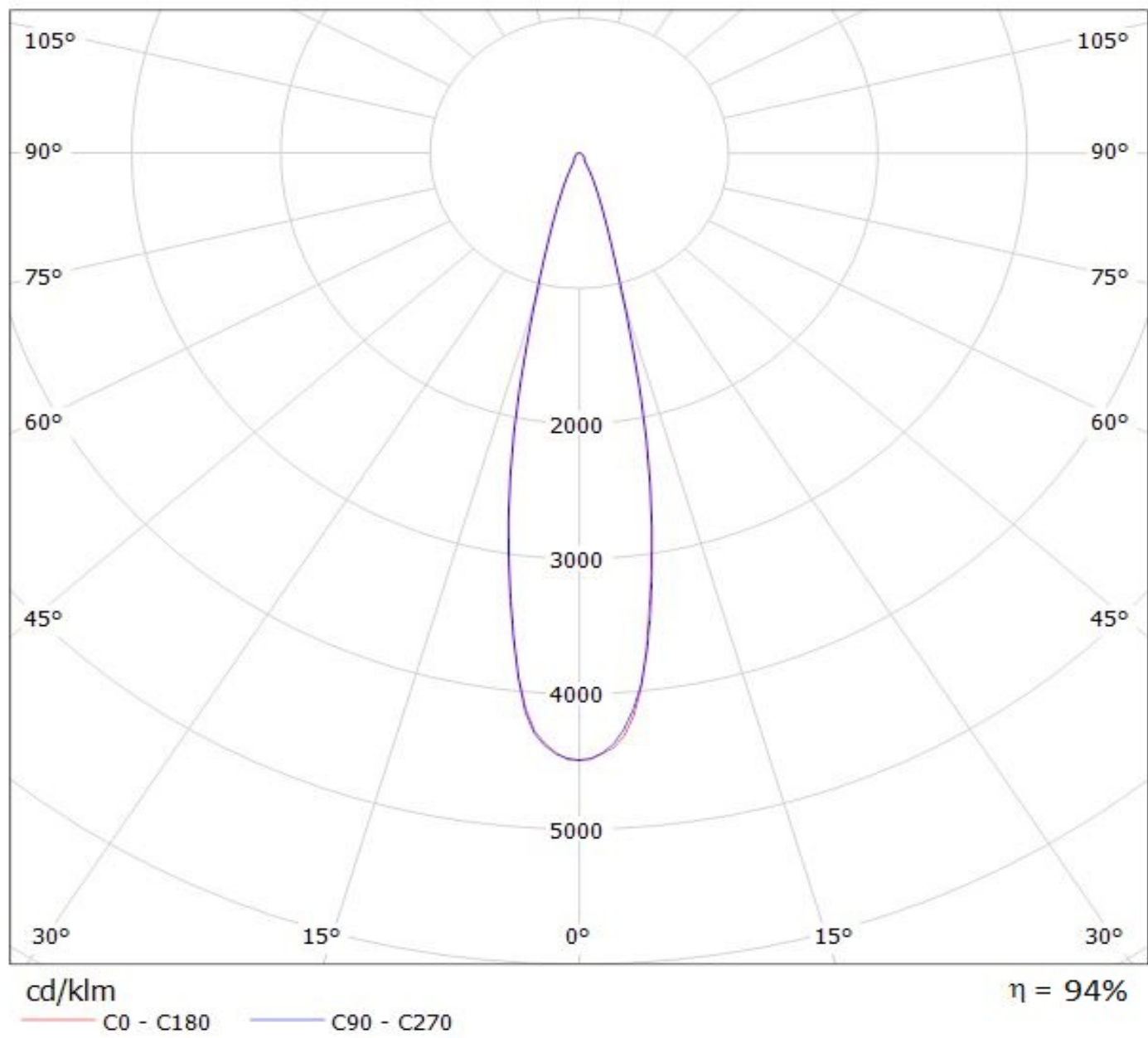
— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: Ledil Oy C14541_HB-2X2-RS_(CREE_XP-L)_SIMULATED
Lamps: 1 x CREE_XP-L

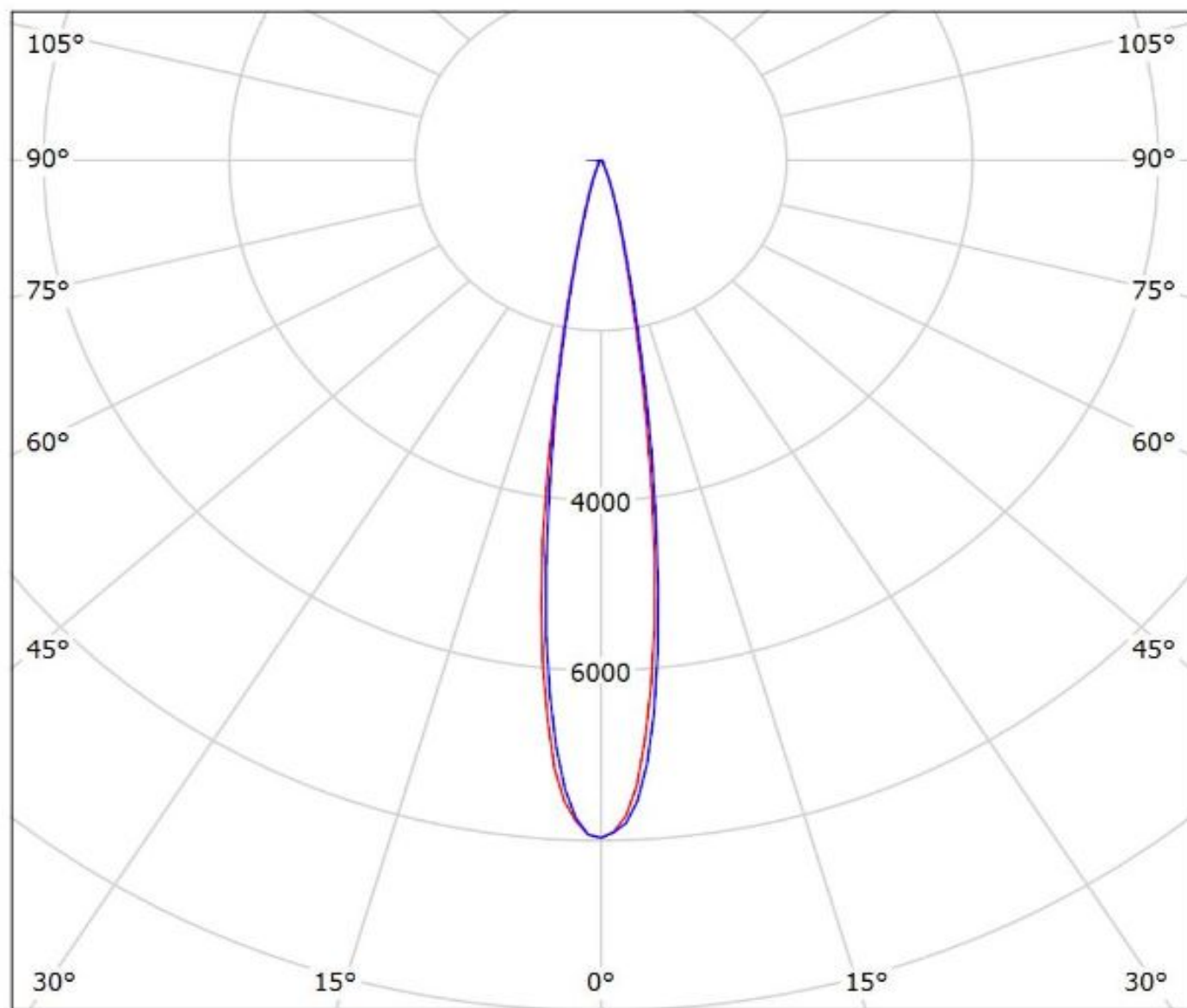


Luminaire: LEDiL Oy C14541_HB-2X2-RS_(NWSL229AE)
Lamps: 1 x Nichia_2X2_NWSL229AE_476.548lm@250mA_P=2.7515W_I=0.250A



Luminaire: Ledil C14541_HB-2x2-RS_(NVSL219CE)

Lamps: 1 x Nichia_NVSL219CE_496.405lm@250mA_CCT=4000K_P=2.8465W_I=0.25A



cd/klm

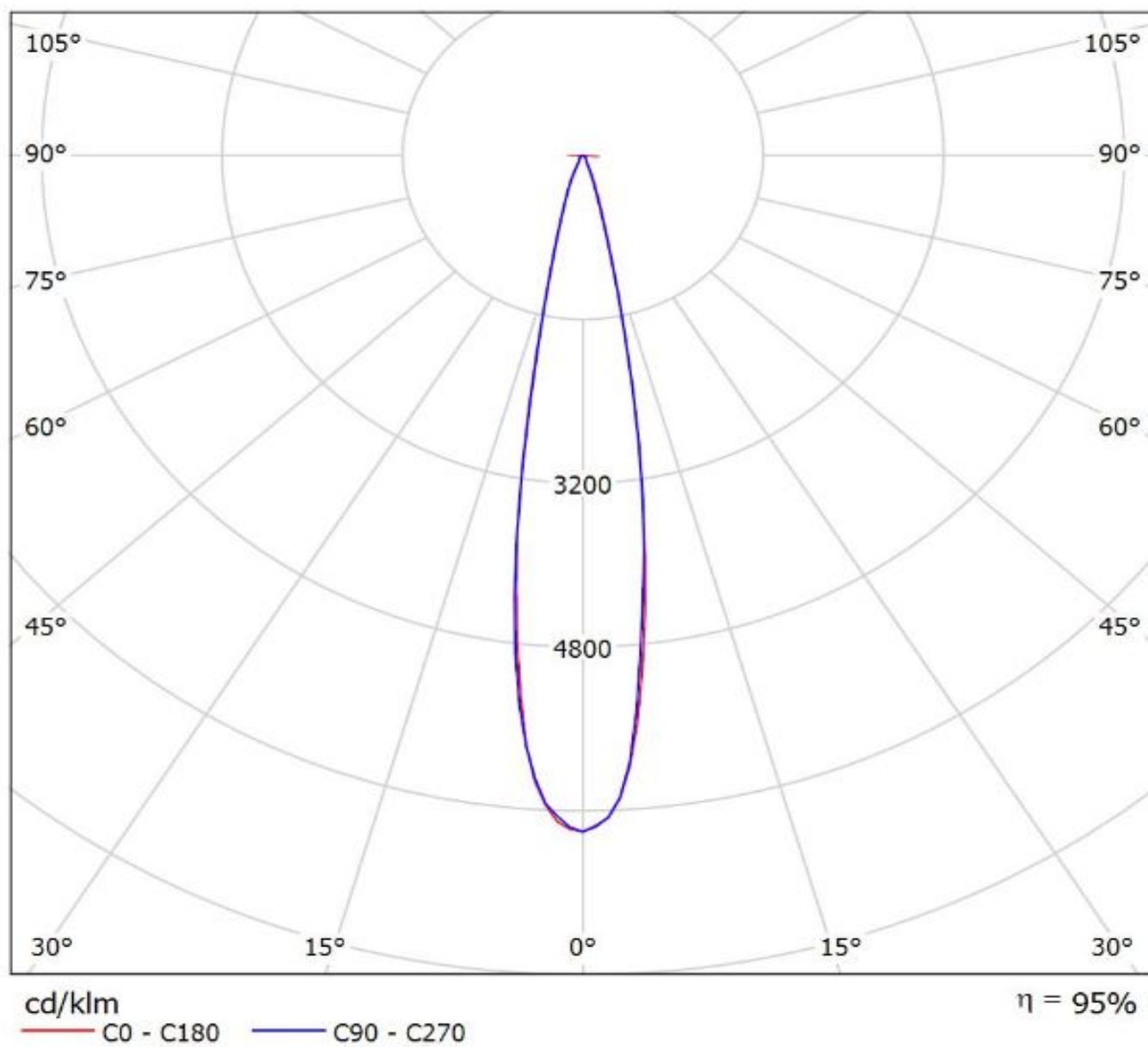
— C0 - C180

— C90 - C270

$\eta = 93\%$

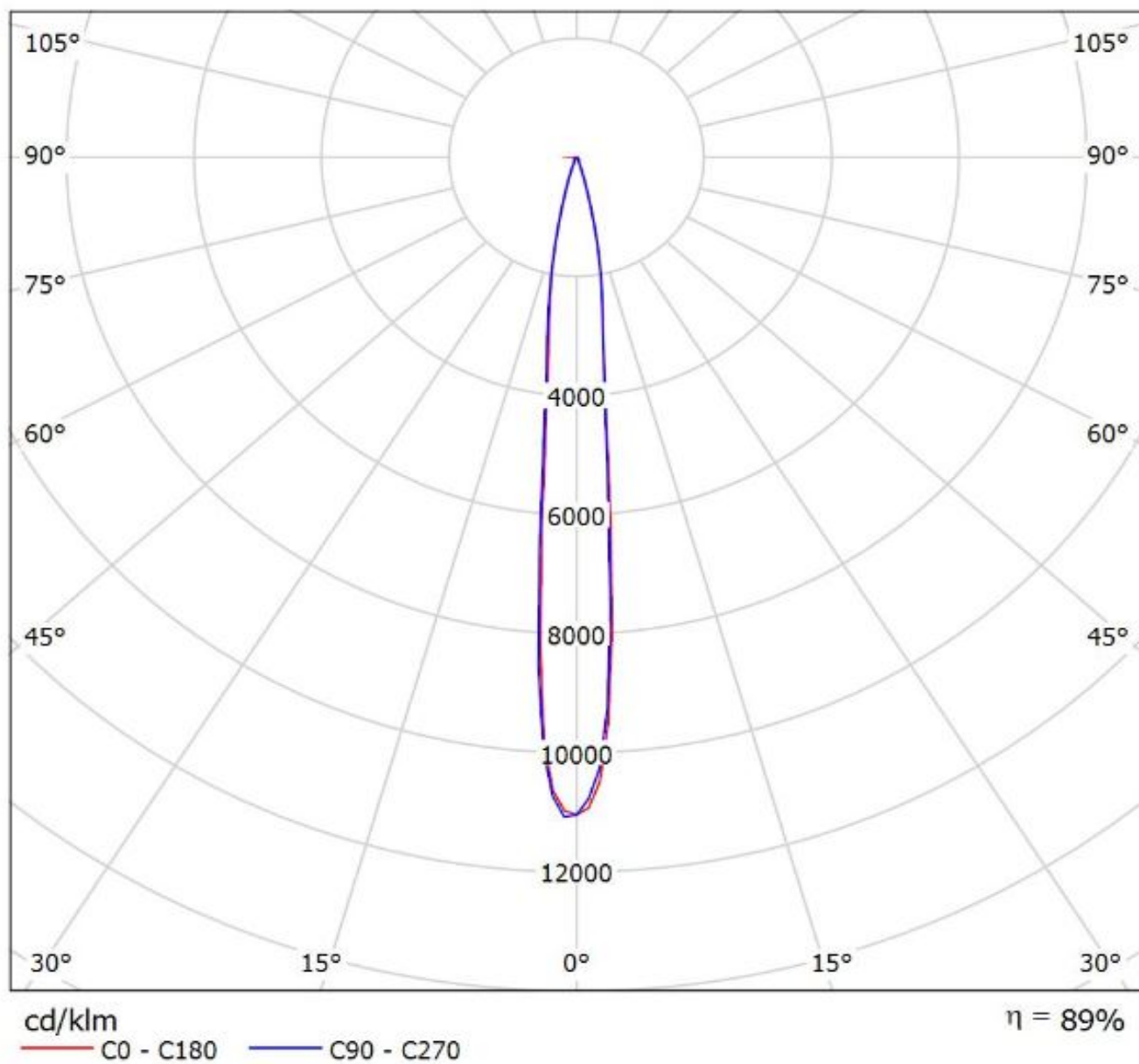
Luminaire: LEDiL Oy C14541_HB-2X2-RS_(NVSW3x9A)

Lamps: 1 x Nichia_NVSW3x9A_(sm405/R70)_483.482lmP=2.75904W_I=0.250A



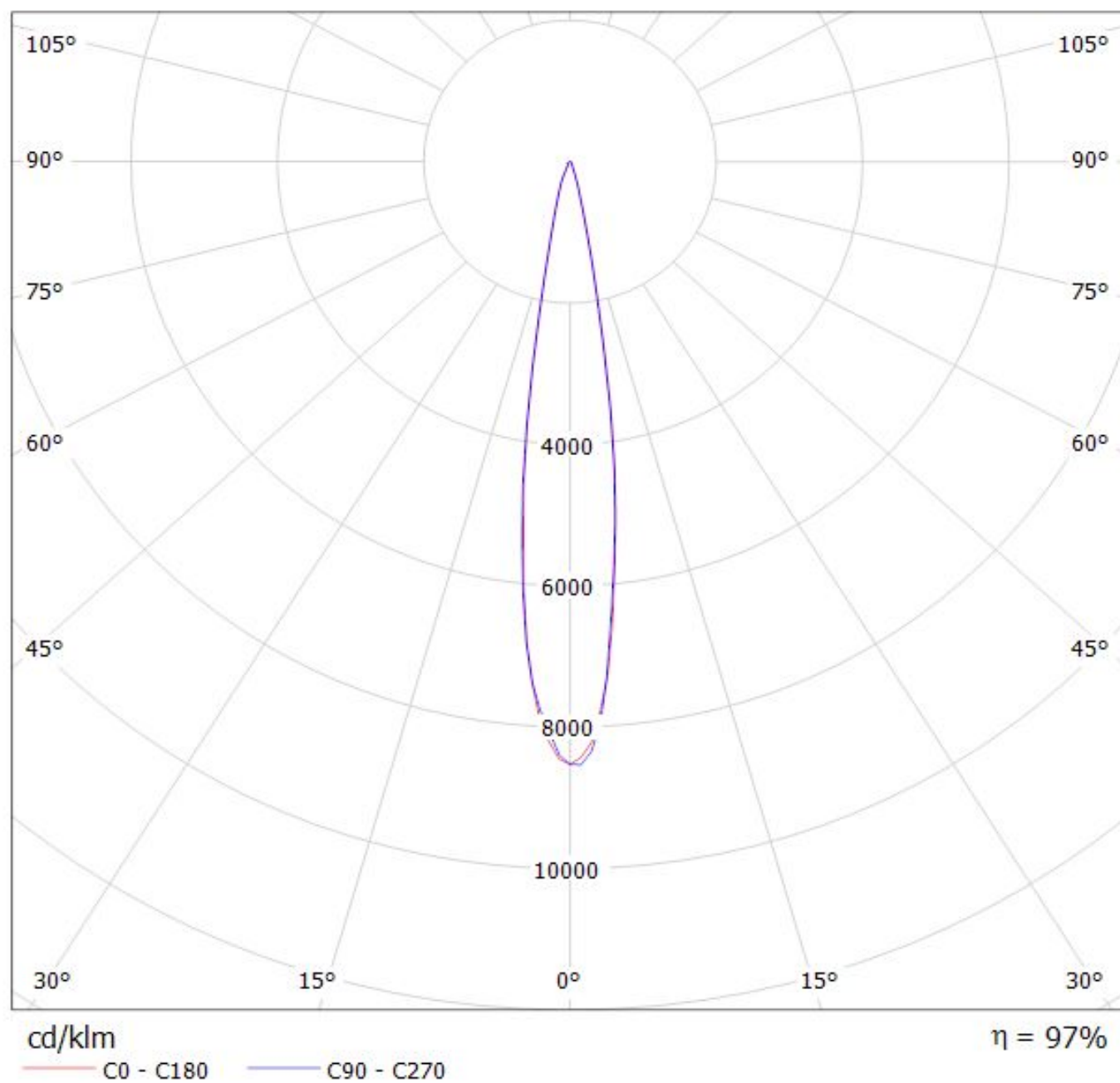
Luminaire: LEDiL Oy C14541_HB-2X2-RS_(E21A)

Lamps: 1 x Nichia_E21A_2X2_454.1lm@250mA_P=2.81W_I=0.250A

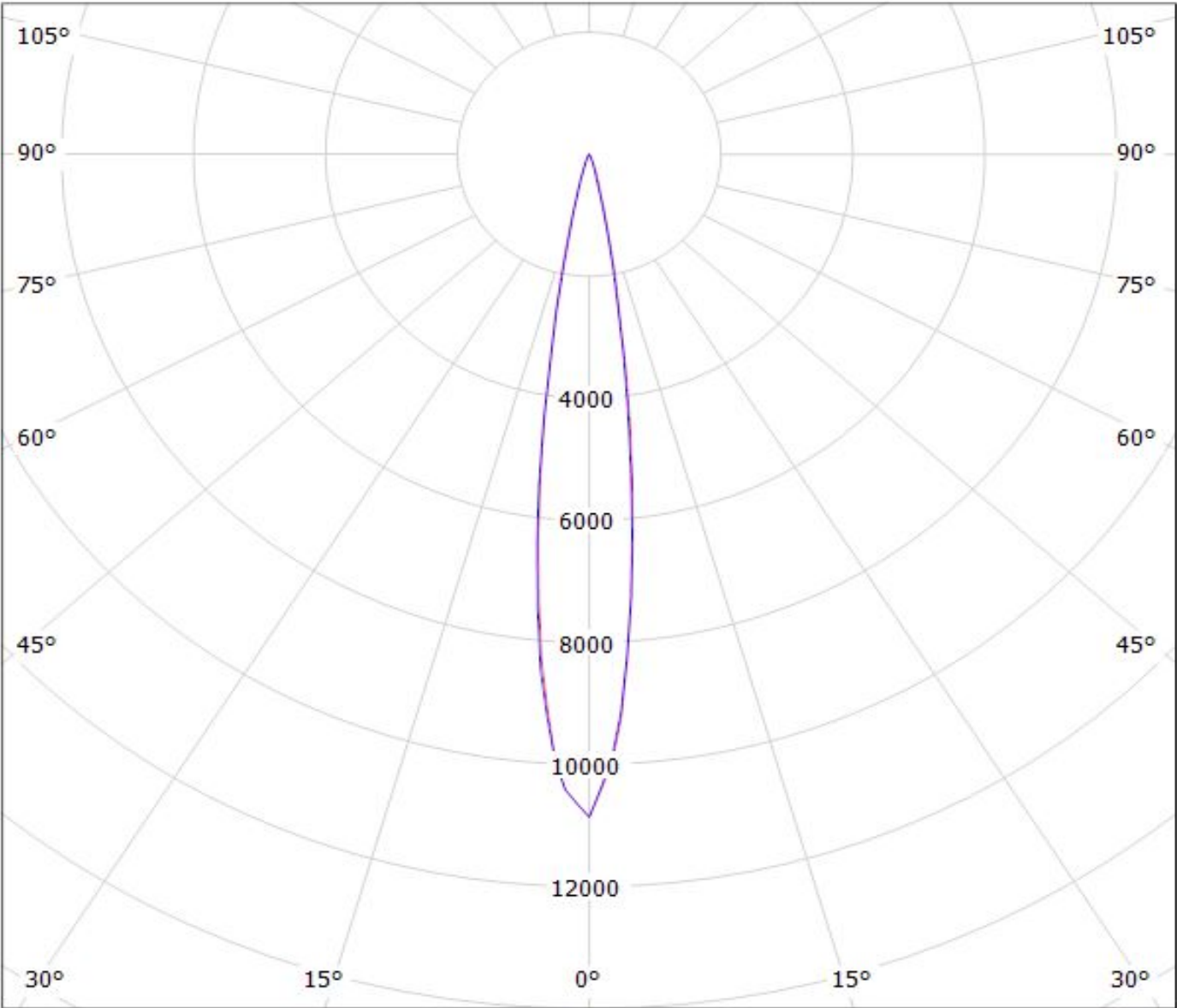


Luminaire: LEDiL Oy C14541_HB-2X2-RS_(NVSW219D)

Lamps: 1 x Nichia_NVSW219D_516.635lm@250mA_P=2.82399W_CCT=4000K_I=0.250A



Luminaire: LEDiL Oy
Lamps: 1 x C14541-HB-2x2-RS_(SQ_Gen3)

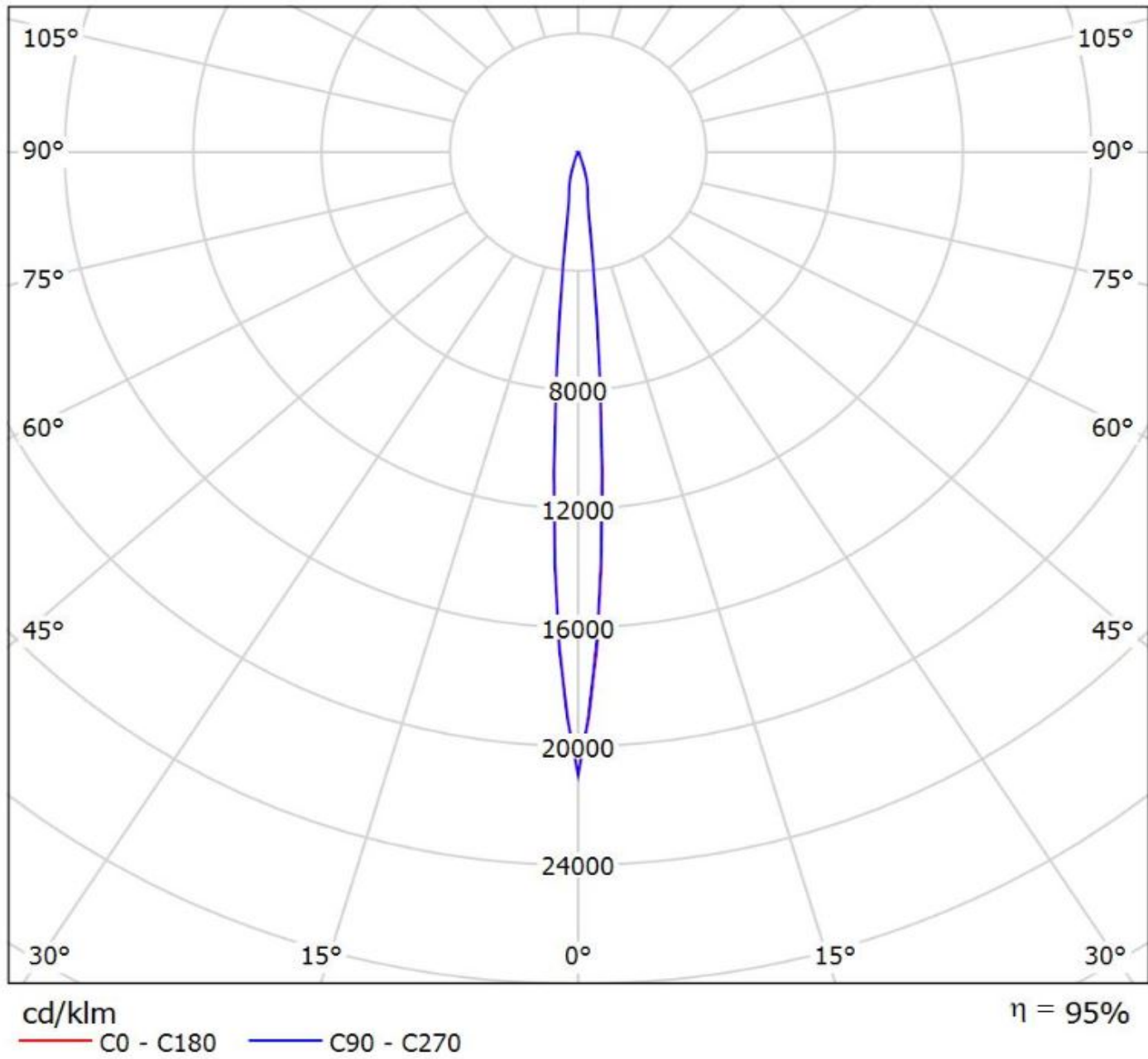


cd/klm

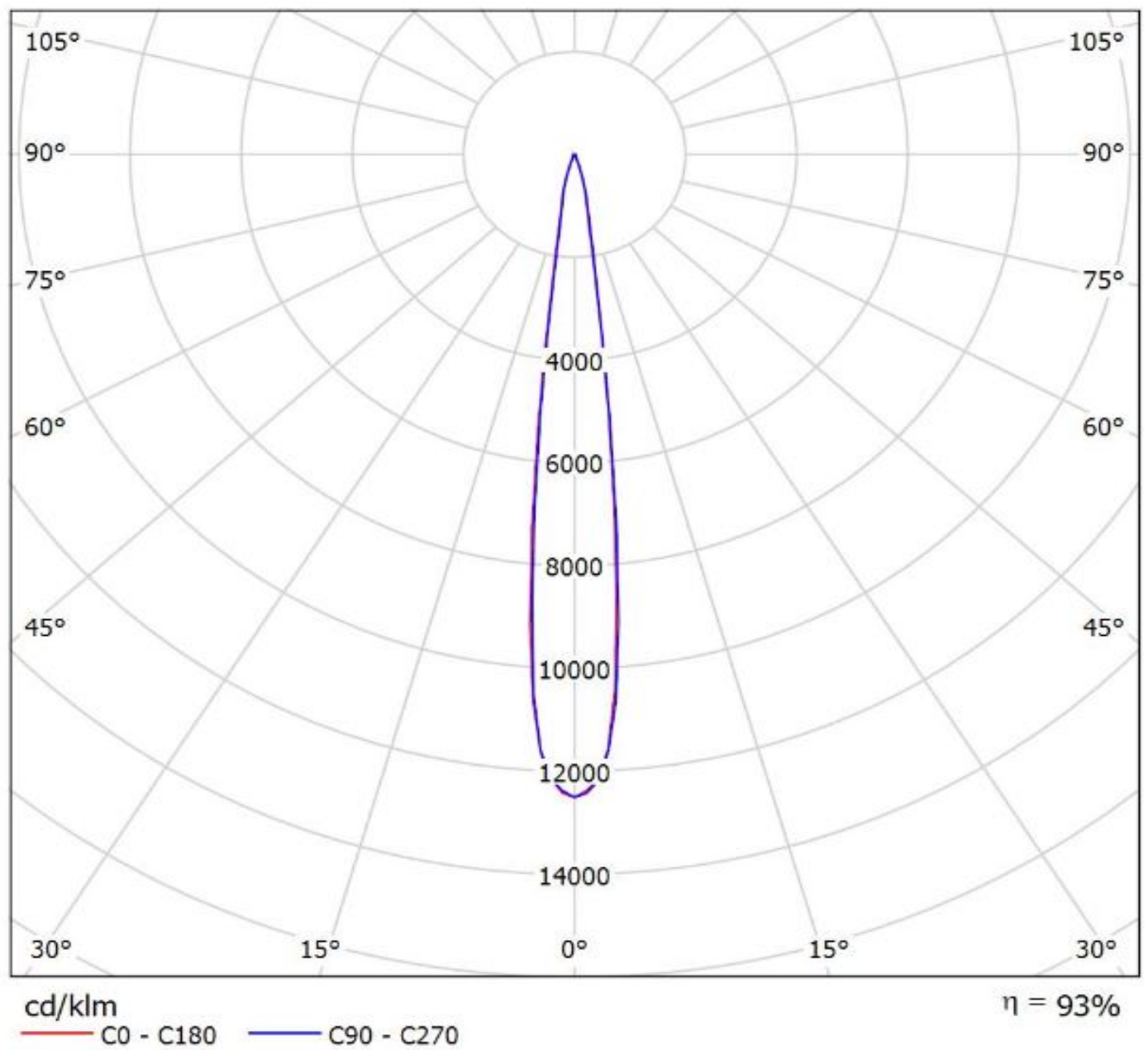
$\eta = 91\%$

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy C14541_HB-2X2-RS_(OSLON-SSL-80)_SIMULATION C14541_HB-2X2-RS_(OSLON-SSL-80)_SIMULATION
Lamps: 1 x OSRAM OSLON-SSL-80 - 1.00 W

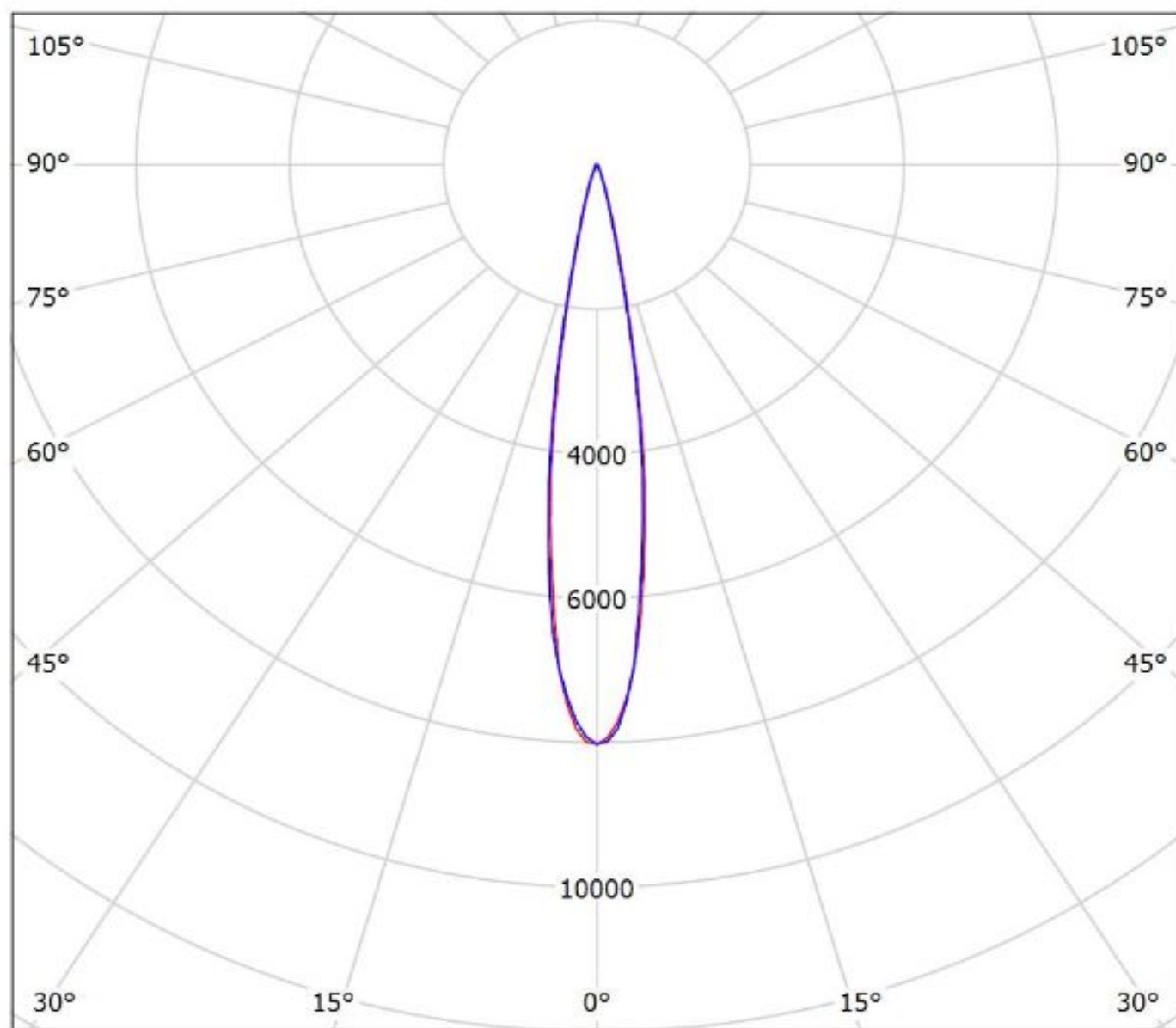


Luminaire: Ledil C14541_HB-2X2-RS_(Fortimo_FastFlex_LED_board_2x8/740_DA_G3)
Lamps: 1 x Fortimo_FastFlex_LED_board_2x8/740_DA_G3_1823.98lm@250mA_P=11.65W_I=0.25A



Luminaire: Ledil C14541_HB-2X2-RS_(LH351B)

Lamps: 1 x Samsung_LH351B_2x2_444.178lm@250mA_P=2.8535W_I=0.25A



cd/klm

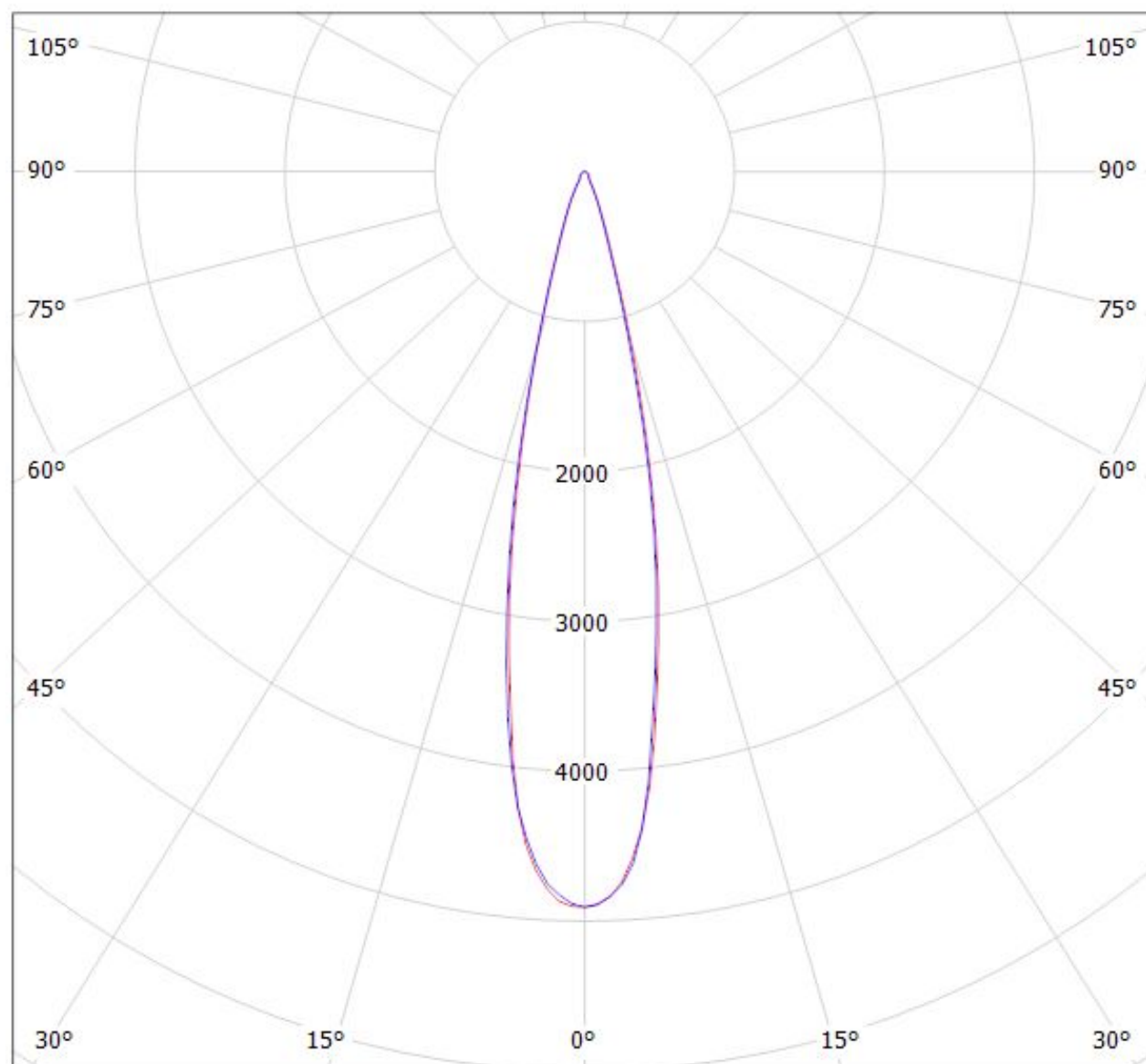
— C0 - C180

— 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



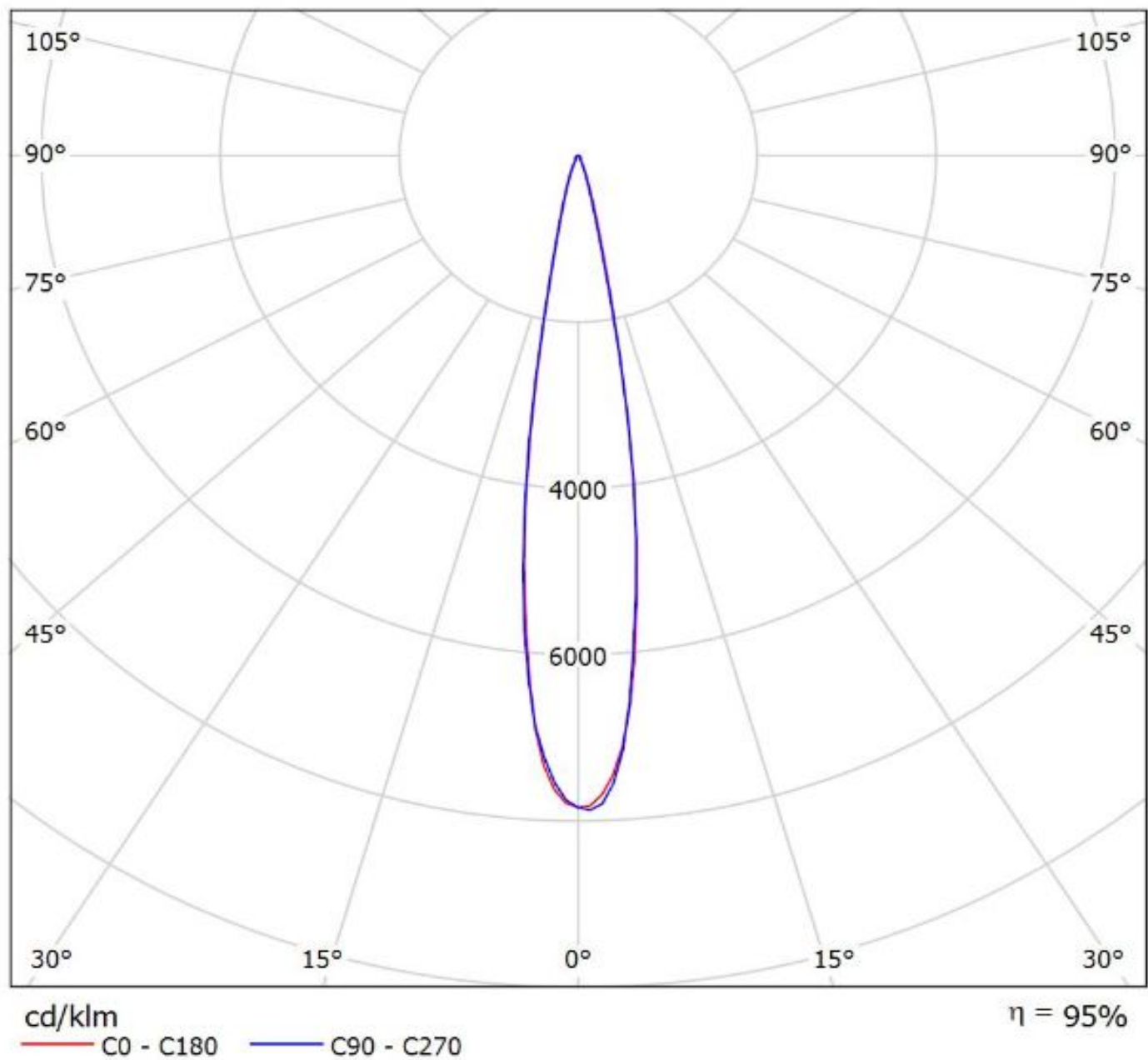
cd/klm

η = 96%

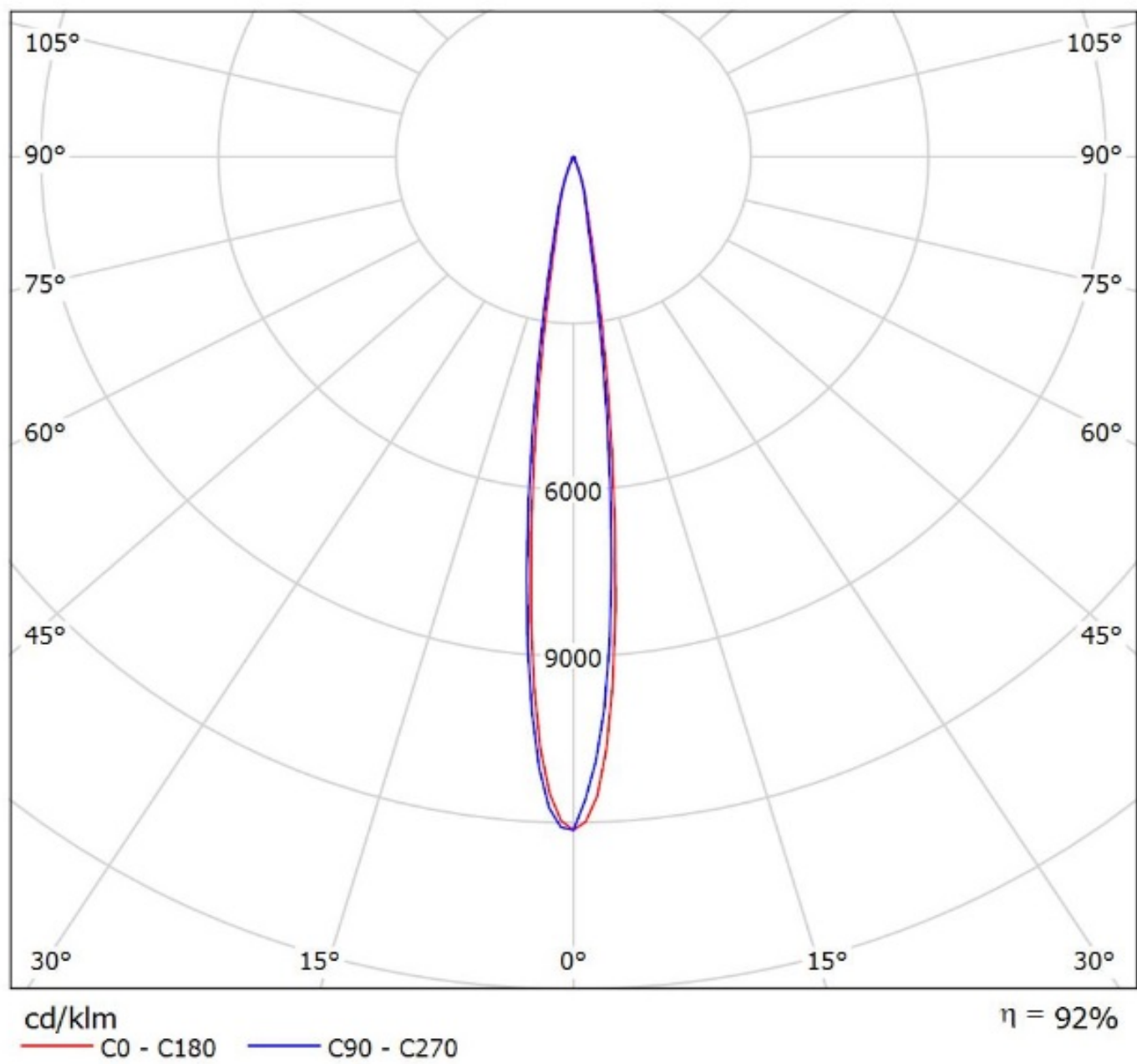
— C0 - C180

— C90 - C270

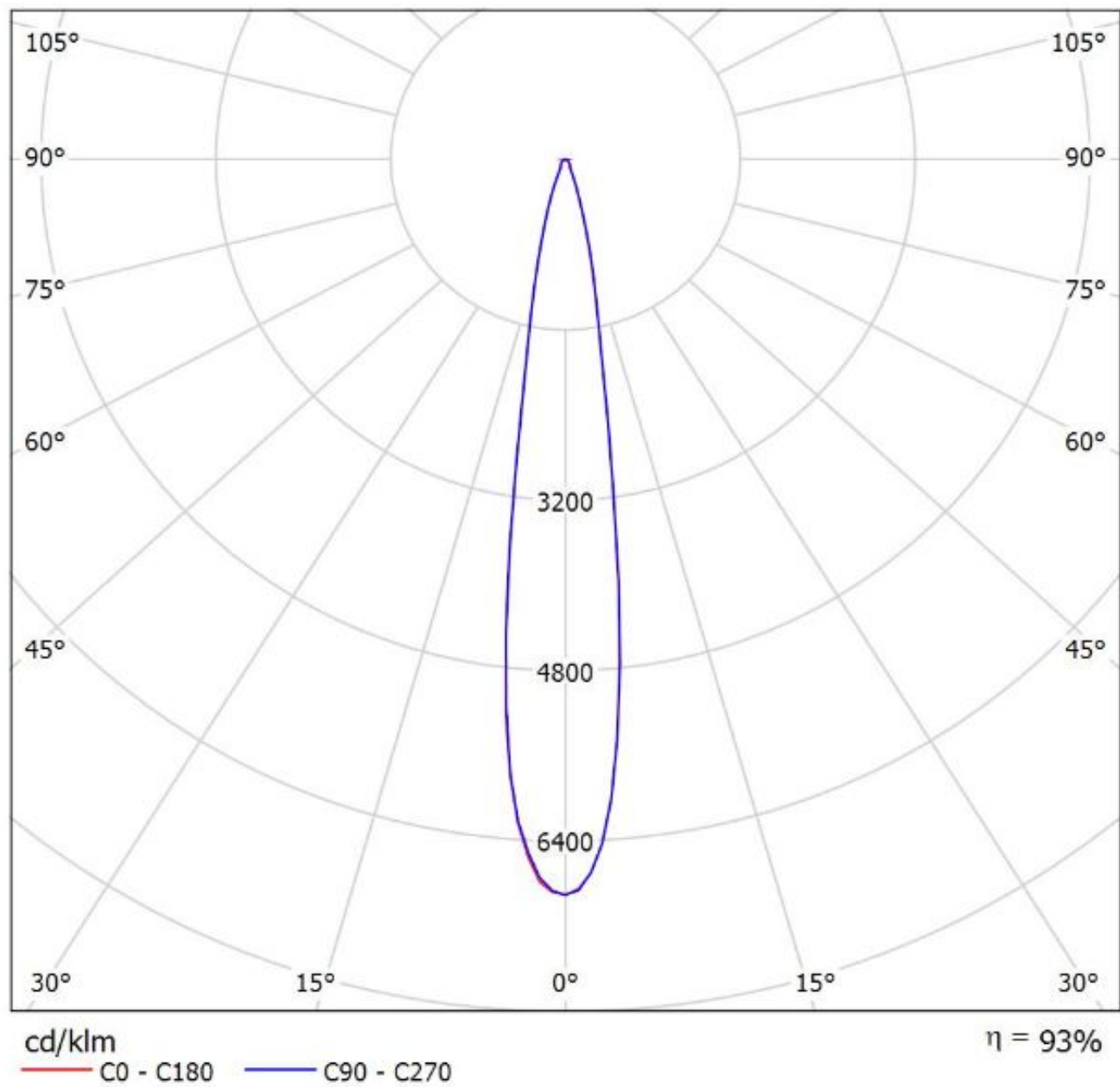
Luminaire: Ledil C14541_HB-2X2-RS_(LH351C)
Lamps: 1 x Samsung_LH351C_518.223lm@250mA_P=2.85225W_I=0.25A



Luminaire: Ledil Oy C14541_HB-2X2-RS_(Z5M2)_SIMULATED
Lamps: 1 x Seoul Z5M2 (SZ5-M2-W0-00)

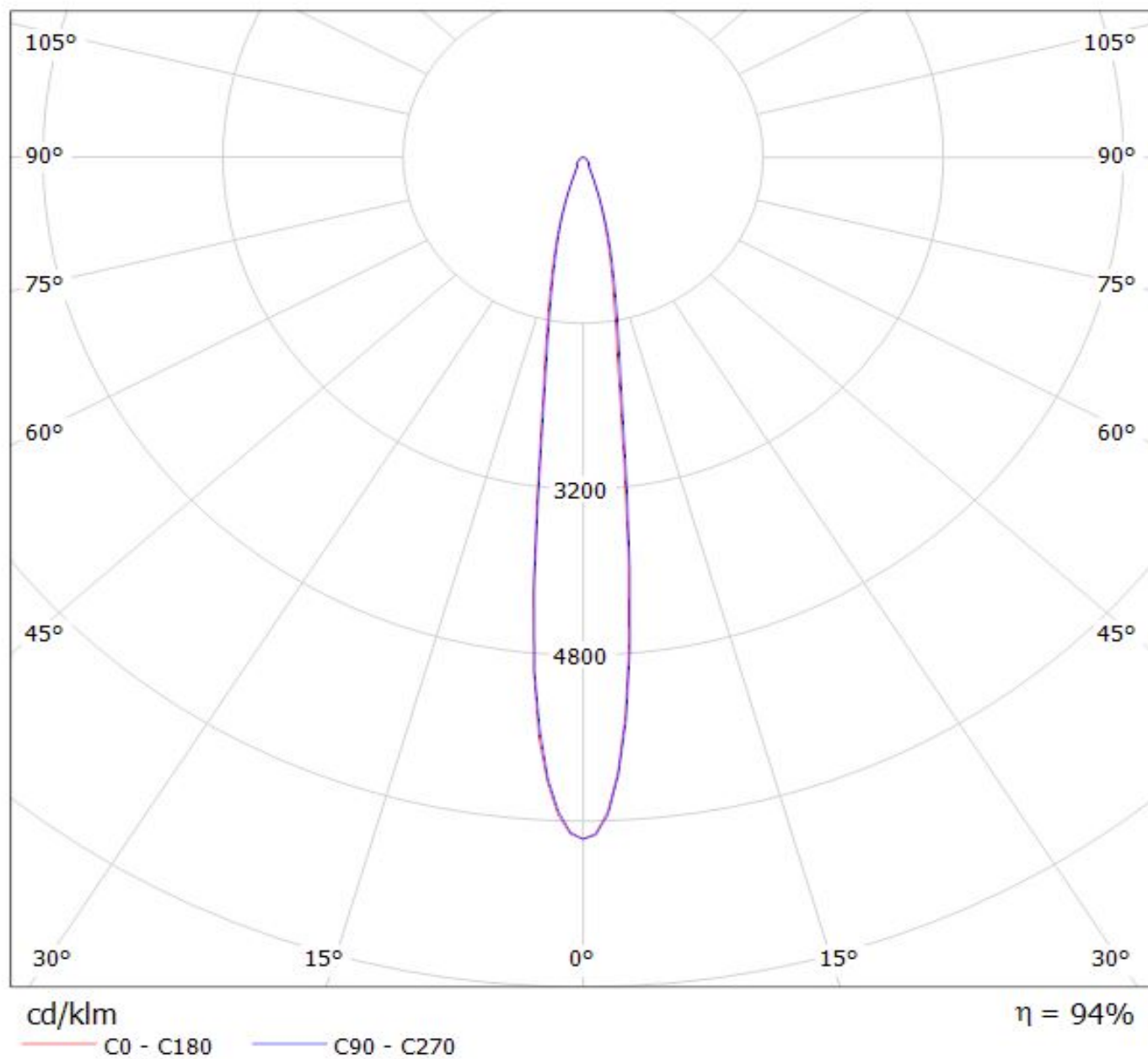


Luminaire: Ledil C14541_HB-2X2-RS_(Z8Y22plus)
Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_513.996lm@250mA_P=2.754W_I=0.250A

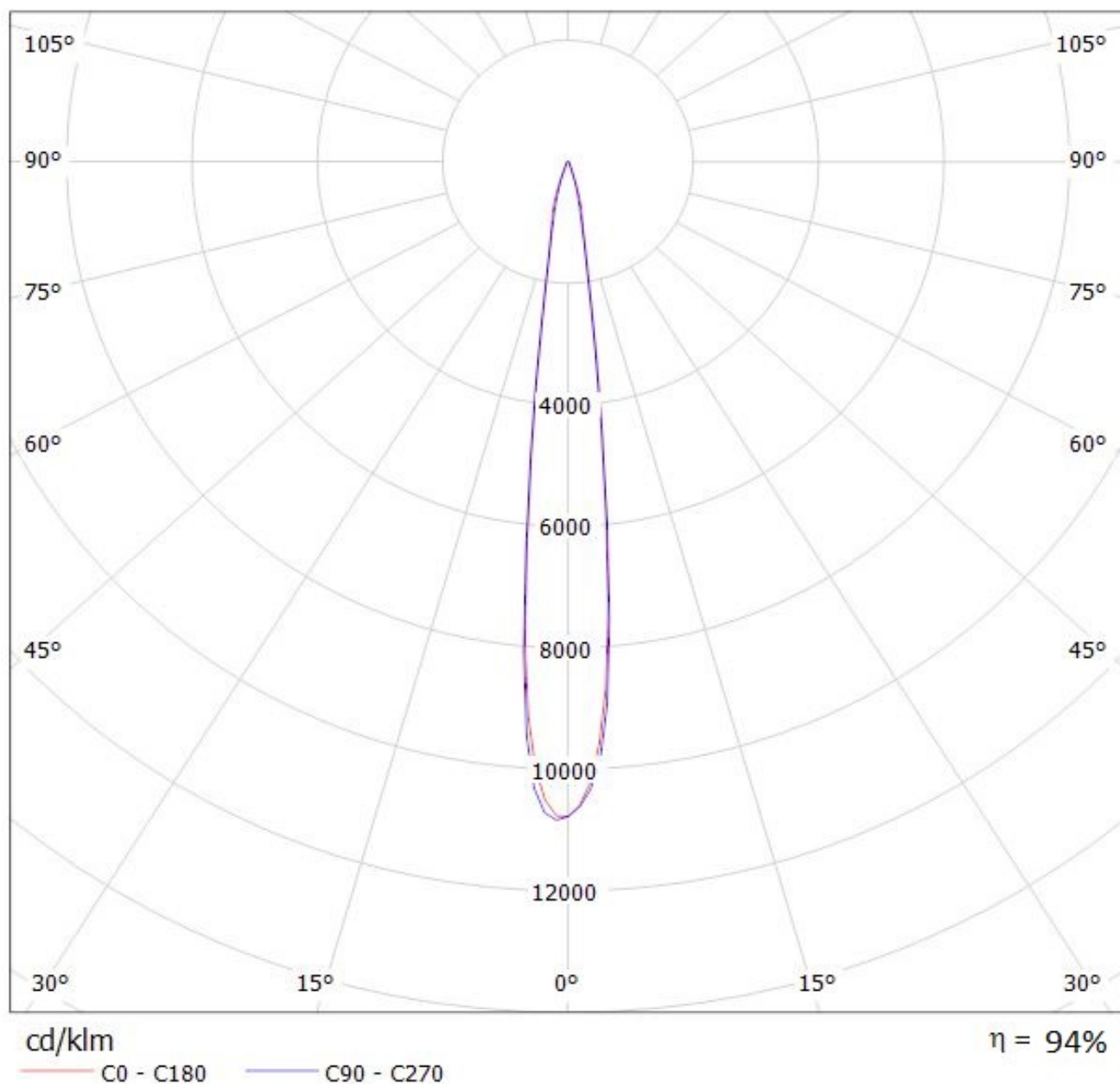


Luminaire: LEDiL Oy C14541_HB-2X2-RS_(Z8Y22)

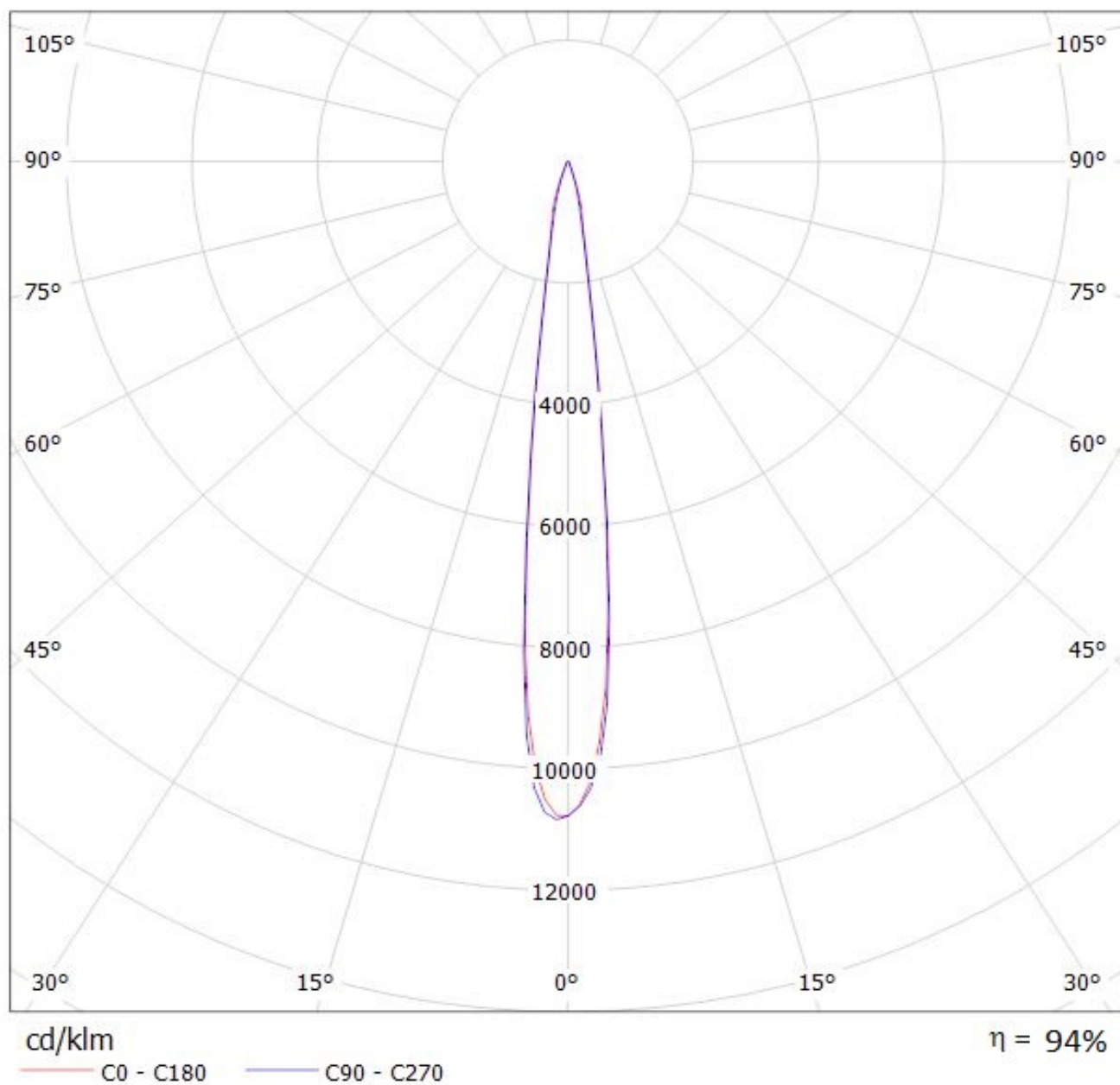
Lamps: 1 x Seoul_Wicop_Z8Y22_497.373lm@250mA_P=2.80076W_U=11.211V



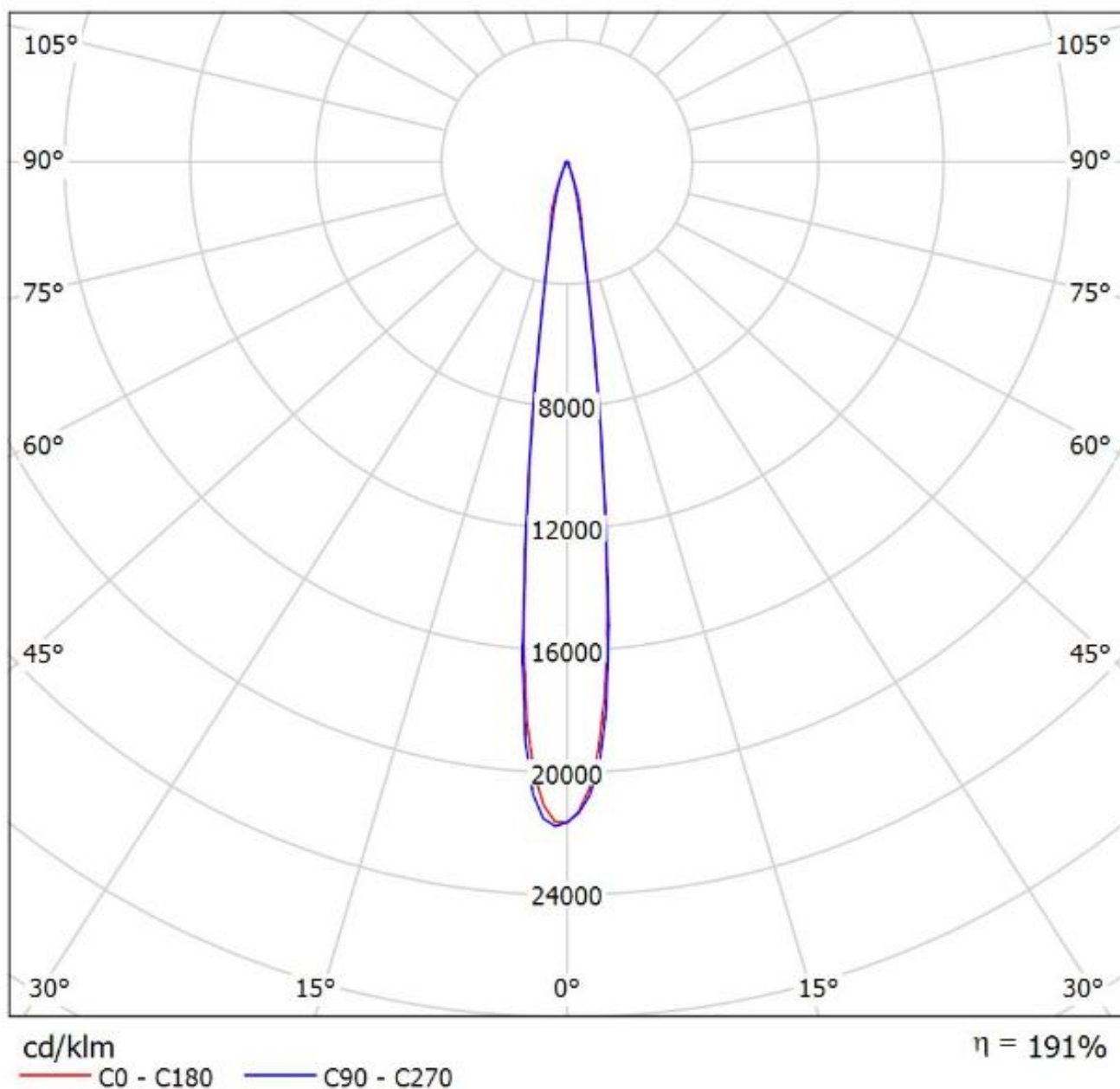
Luminaire: LEDiL Oy C14541_HB-2X2-RS_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A



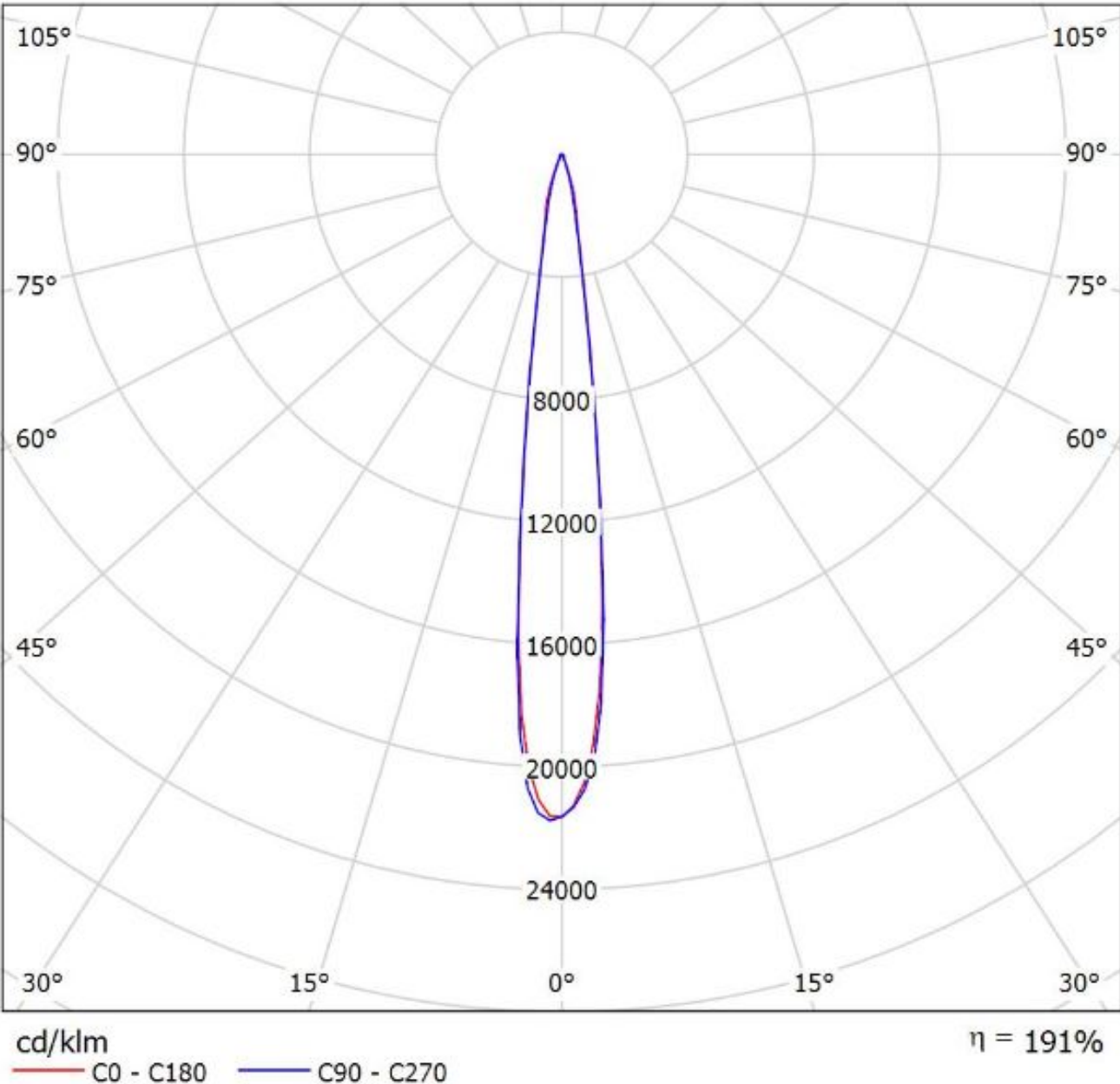
Luminaire: LEDiL Oy C14541_HB-2X2-RS_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A



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



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.