PRODUCT DATASHEET
HighBay series
last update 21/4/2016

DETAILS

Product Number	C14724_HB-2X2-WWW
Family	HighBay
Type	Lens array
Color	clear
Diameter	50x50 mm
Height	10 mm
Style	rectang
Optic Material	PMMA
Holder Material	
Fastening	tape, screw
Status	production ready
ROHS Compliant	Yes
Date Updated	21/04/2016

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
SMD 5050	94 deg	WWW-class	94 %	0.420	-
XP-G2	106 deg	WWW-class	92 %	0.340	-
XP-G3	sim: 98	WWW-class	sim: 94 %	sim: 0.360	-
XHP35 HD	sim: 93	WWW-class	sim: 91 %	sim: 0.370	-
XHP35 HI	sim: 99	WWW-class	sim: 93 %	sim: 0.360	-
XD16	93 deg	WWW-class	91 %	0.390	-
XD16 2x2 cluster	92 deg	WWW-class	94 %	0.410	-
H35C1 (LEMWA33)	104 deg	WWW-class	94 %	0.380	-
LUXEON MZ	94 deg	WWW-class	92 %	0.400	-
LUXEON 5050	93 deg	WWW-class	93 %	0.410	-
LUXEON 3535L	sim: 92	WWW-class	sim: 94 %	sim: 0.400	-
LUXEON V	96 deg	WWW-class	93 %	0.370	-
NVSW3x9A	101 deg	WWW-class	93 %	0.400	-
NVSxE21A	85 deg	WWW-class	92 %	0.460	-
Oslon Square PC	105 deg	WWW-class	94 %	0.380	-
Oslon SSL 80	82 deg	WWW-class	93 %	0.530	-
Oslon Square Gen3	104 deg	WWW-class	94 %	0.370	-
PrevaLED Brick DC 2x8	104 deg	WWW-class	94 %	0.370	-
Fortimo FastFlex LED board 2x8 DA G4	104 deg	WWW-class	92 %	0.360	-
Fortimo FastFlex LED board 2x8 DAX G4	sim: 98	WWW-class	sim: 94 %	sim: 0.360	-
LH351B	102 deg	WWW-class	81 %	0.330	-
LH351D	107 deg	WWW-class	94 %	0.350	-
LH508A	95 deg	WWW-class	93 %	0.400	-
Z8Y22P	93 deg	WWW-class	94 %	0.390	-
Z8Y19 2x2 cluster	83 deg	WWW-class	93 %	0.460	-

Ledil Oy
Salorankatu 10
24240 SALO, Finland

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PRODUCT DATASHEET
HighBay series
last update 21/4/2016

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
SMJQ-D48W16AA-XX	83 deg	WWW-class	93 %	0.460	-
Z8Y22	85 deg	WWW-class	94 %	0.440	-
RLE G1 49x223mm 4000lm xxx EXC OTP	98 deg	WWW-class	93 %	0.380	-
RLE G1 49x245mm 4000lm xxx EXC OTP	98 deg	WWW-class	93 %	0.380	-
RLE G1 49x121mm 2000lm xxx EXC OTP	98 deg	WWW-class	93 %	0.380	-
RLE G1 49x133mm 2000lm xxx EXC OTP	98 deg	WWW-class	94 %	0.380	-

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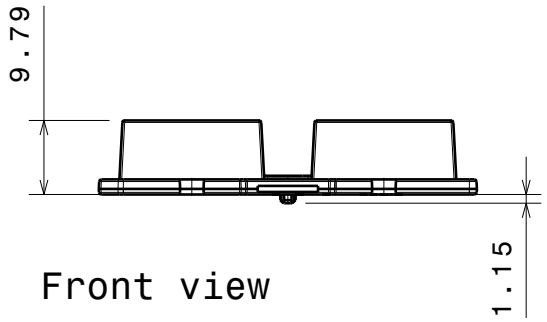
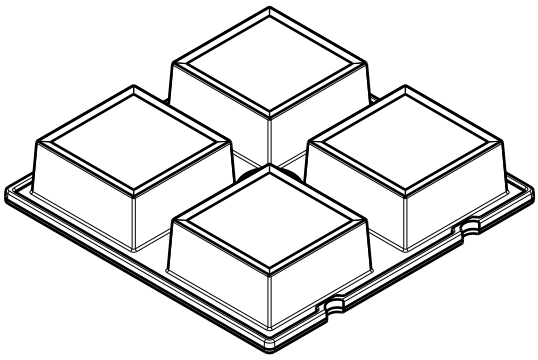
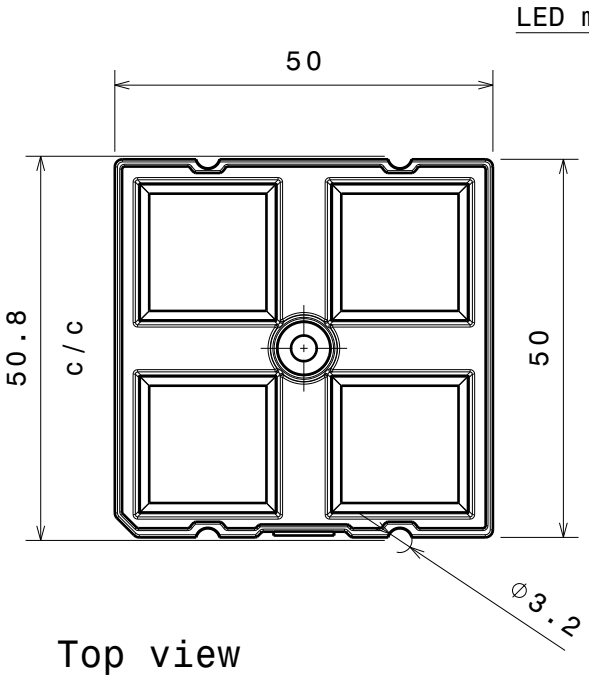


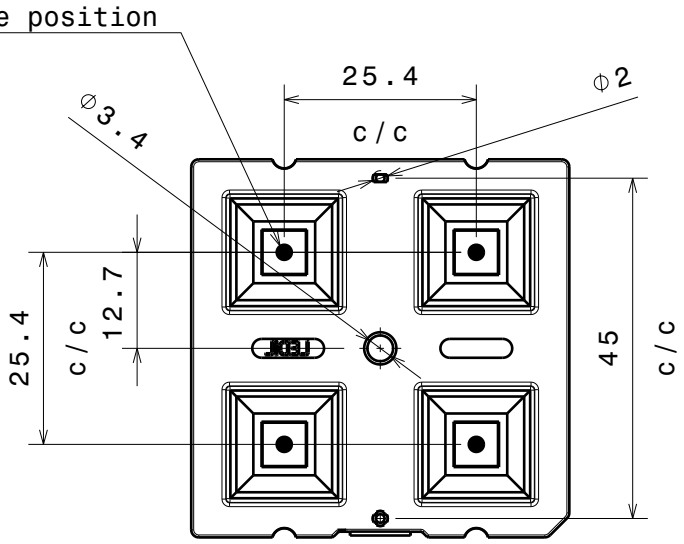
Front view



Isometric view



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14724	HB-2x2-WWW	PMMA	

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 Oy
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Finland

THIRD ANGLE PROJECTION:

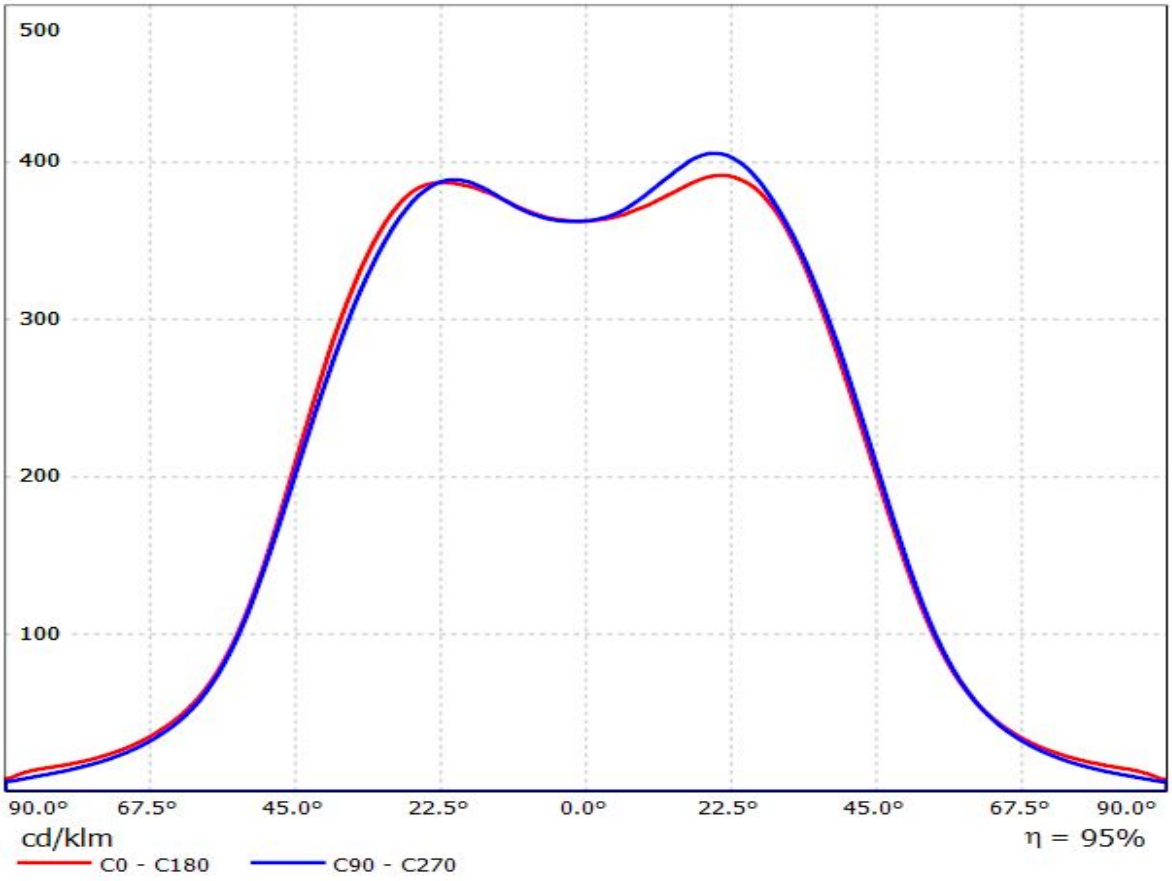
DRAWING TITLE

C14724_HB-2x2-WWW

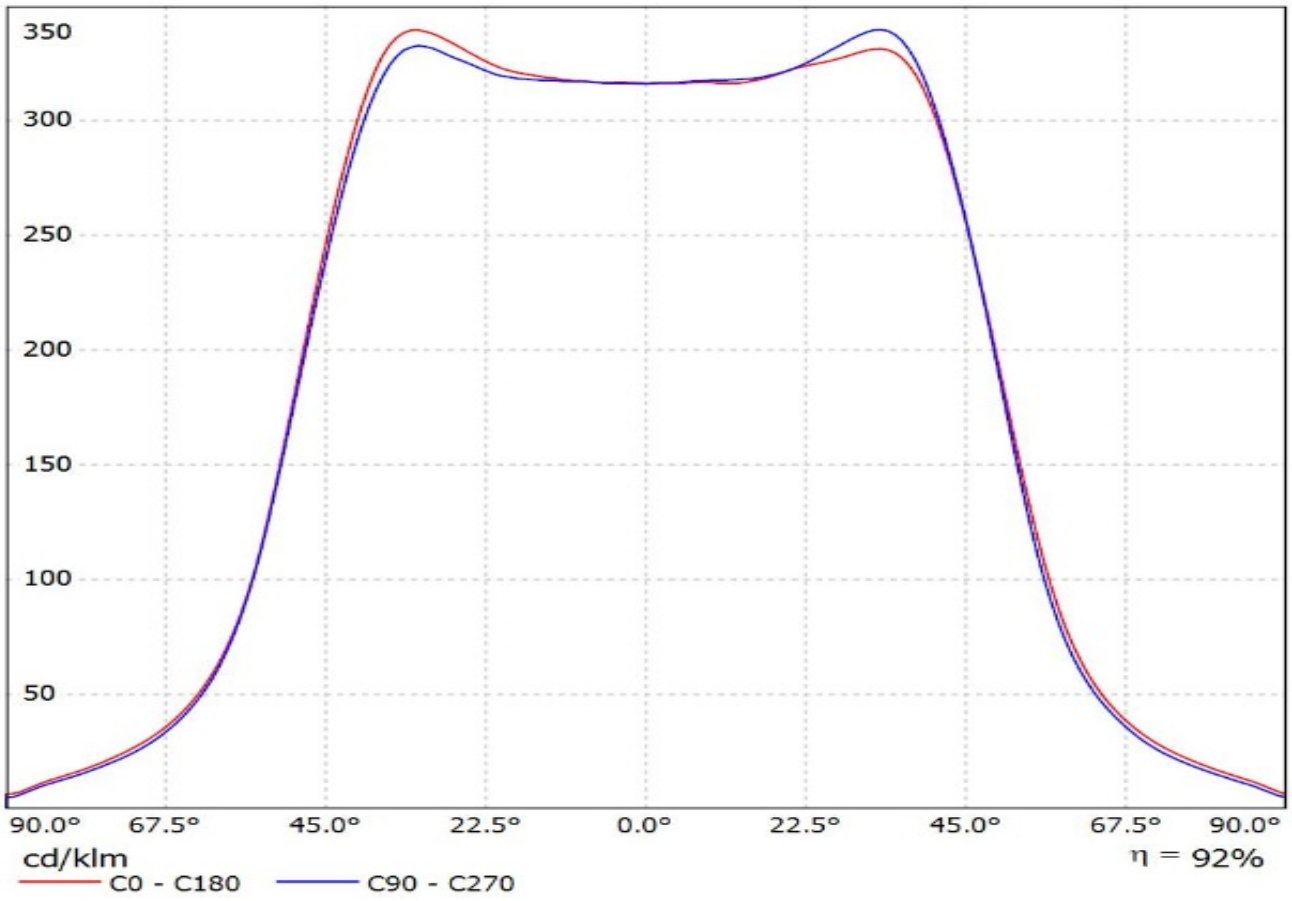
SIZE	PART NUMBER
A4	C14724

SCALE	WEIGHT		SHEET
1:1	13,66 g		1/1

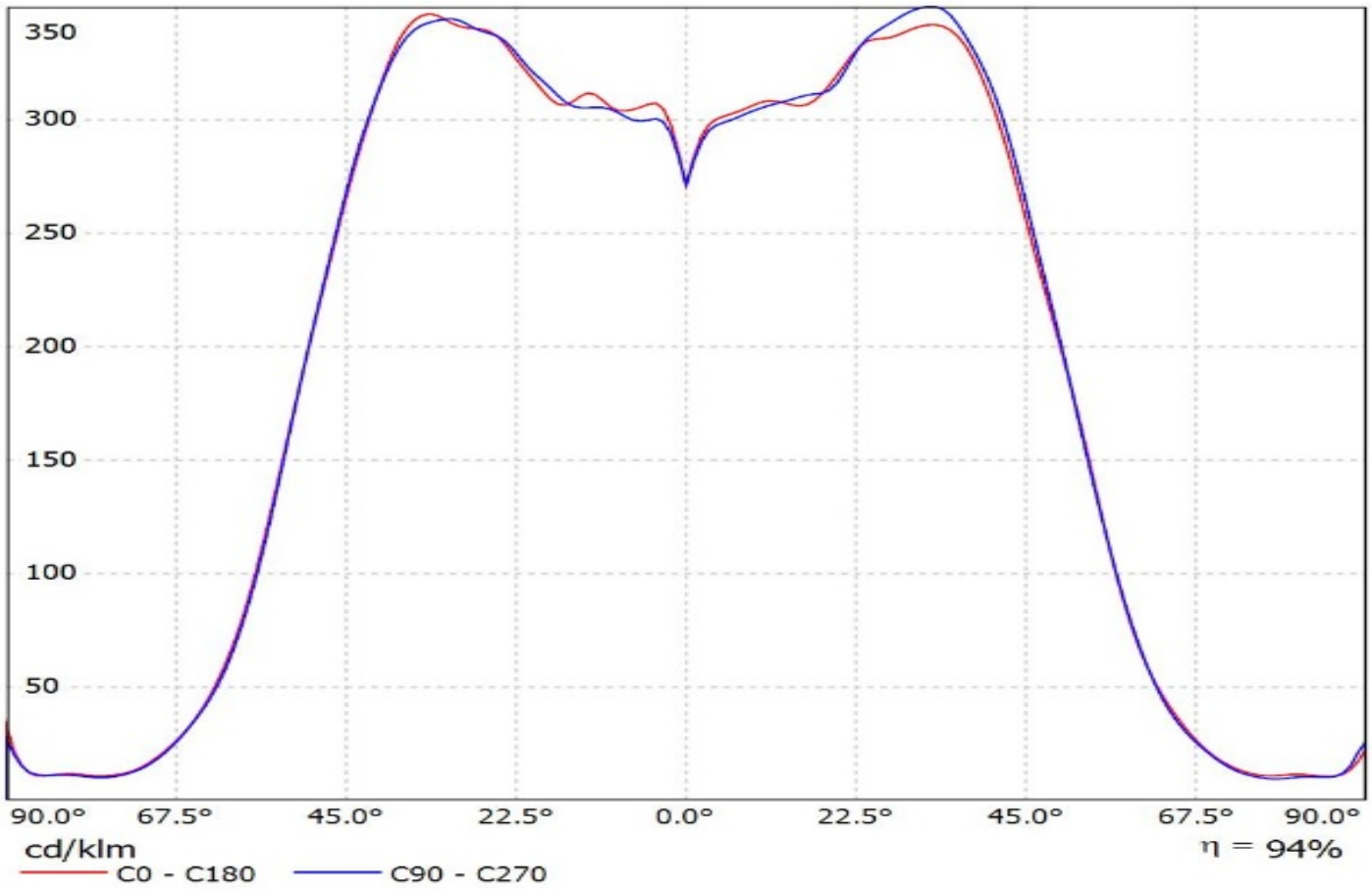
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Bridgelux_5050_Gen2)
Lamps: 1 x Bridgelux_5050_Gen2_2x2_(BXEP-57C-435-09B)_1447.45lm@250mA_CCT=5700K_P=8.29761W_I=0.25A



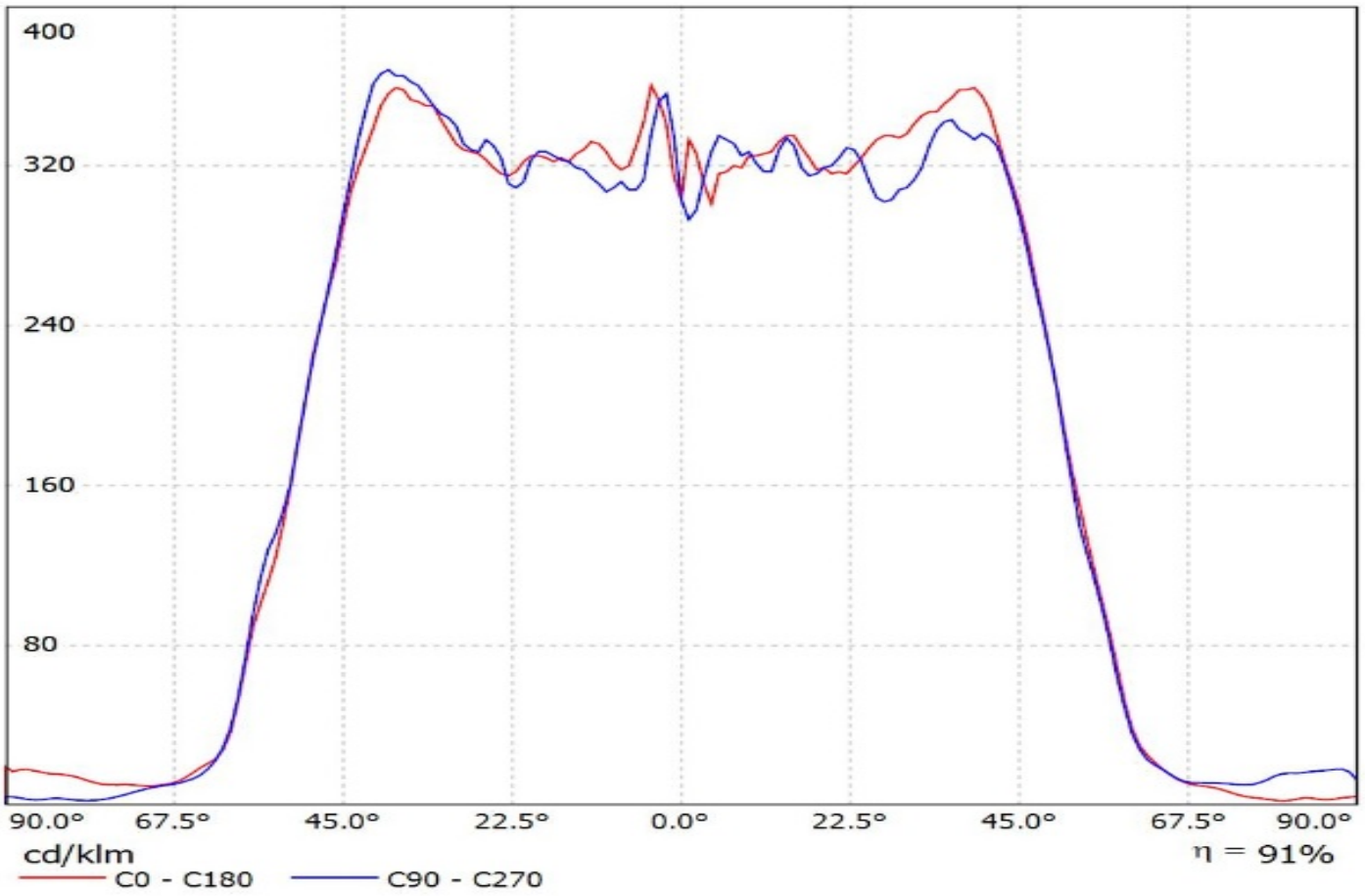
Luminaire: Ledil C14724_HB-2x2-WWW_(XP-G2)
Lamps: 1 x CREE_XP-G2_2x2_(XPGBWT-L1-000-00G51)_419.22lm@250mA_CCT=7181K_P=2.9787W_I=0.25A



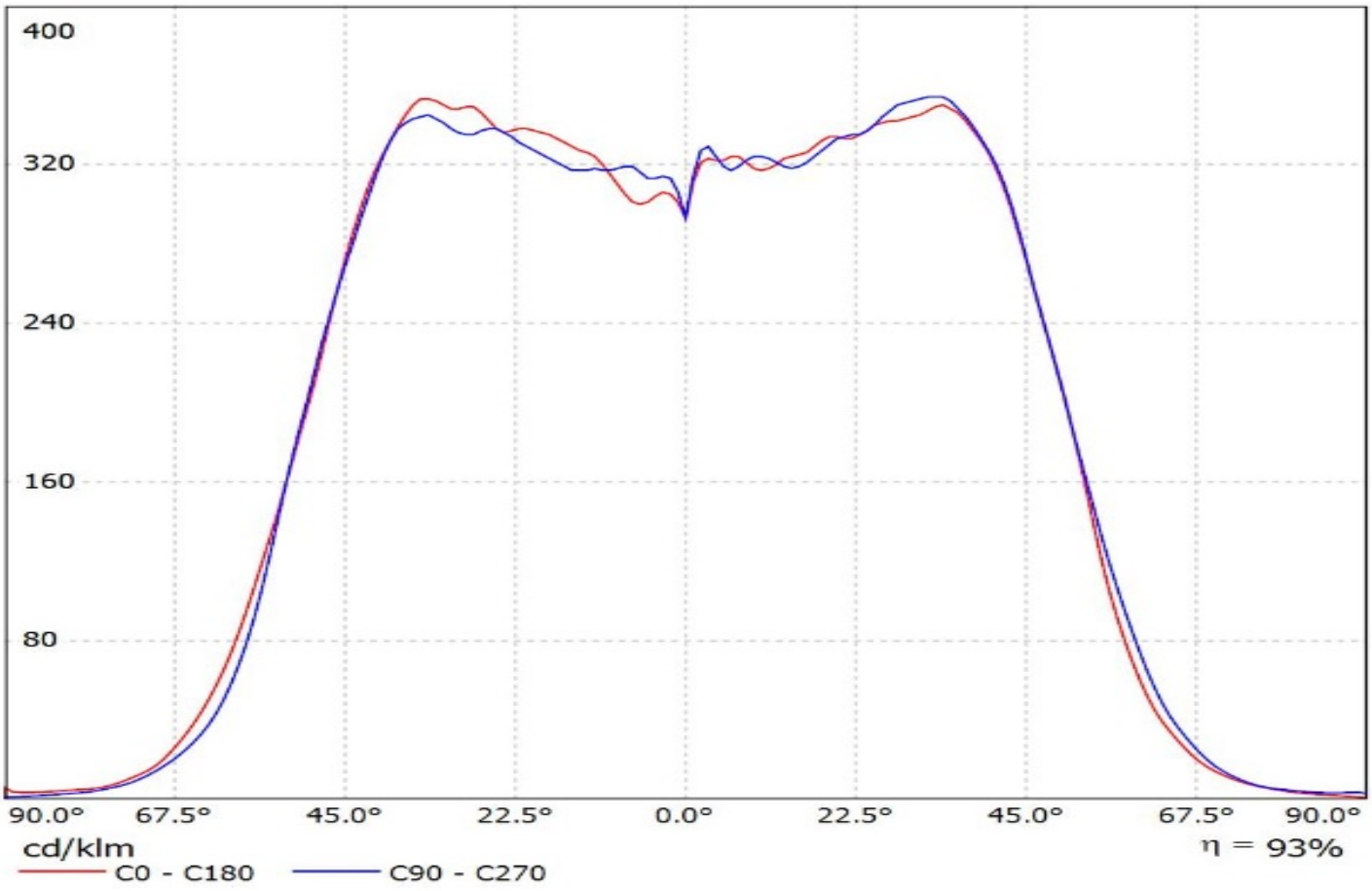
Luminaire: Ledil Oy C14724_HB-2X2-WWW_(XP-G3)_SIMULATED
Lamps: 1 x Cree XP-G3



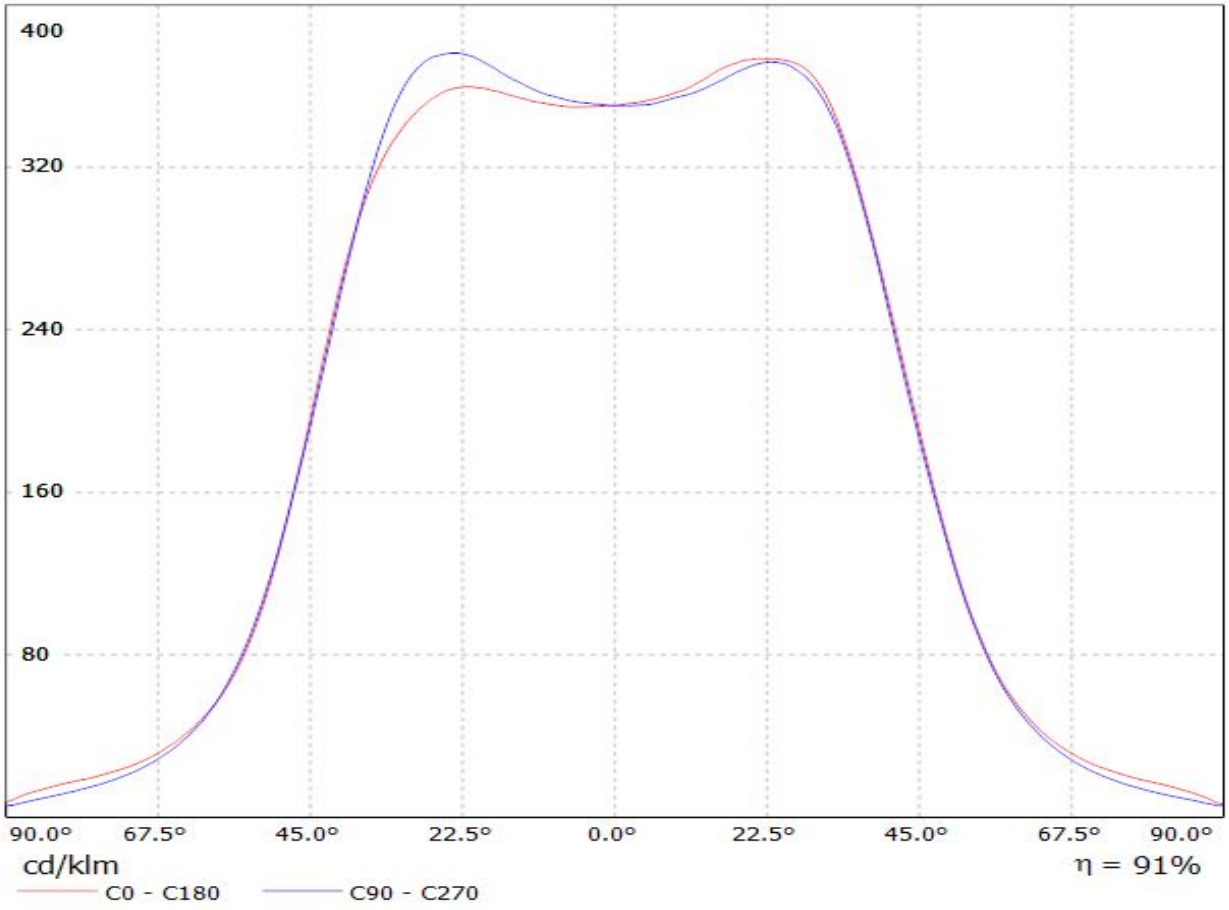
Luminaire: Ledil Oy C14724_HB_2X2_WWW_XPH35HD_SIMULATED
Lamps: 1 x CREE XPH35HD



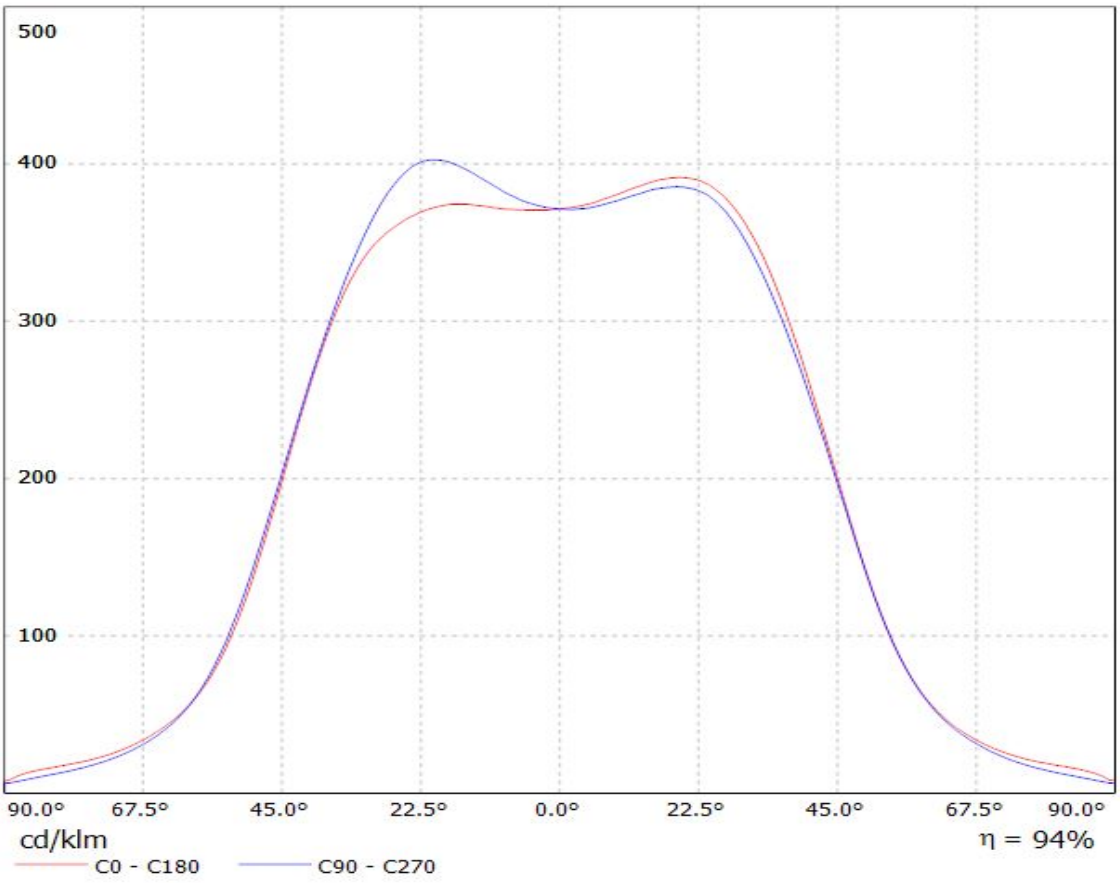
Luminaire: Ledil Oy C14724_HB-2X2-WWW_(XHP35_HI)_SIMULATED
Lamps: 1 x Cree XHP35 HI



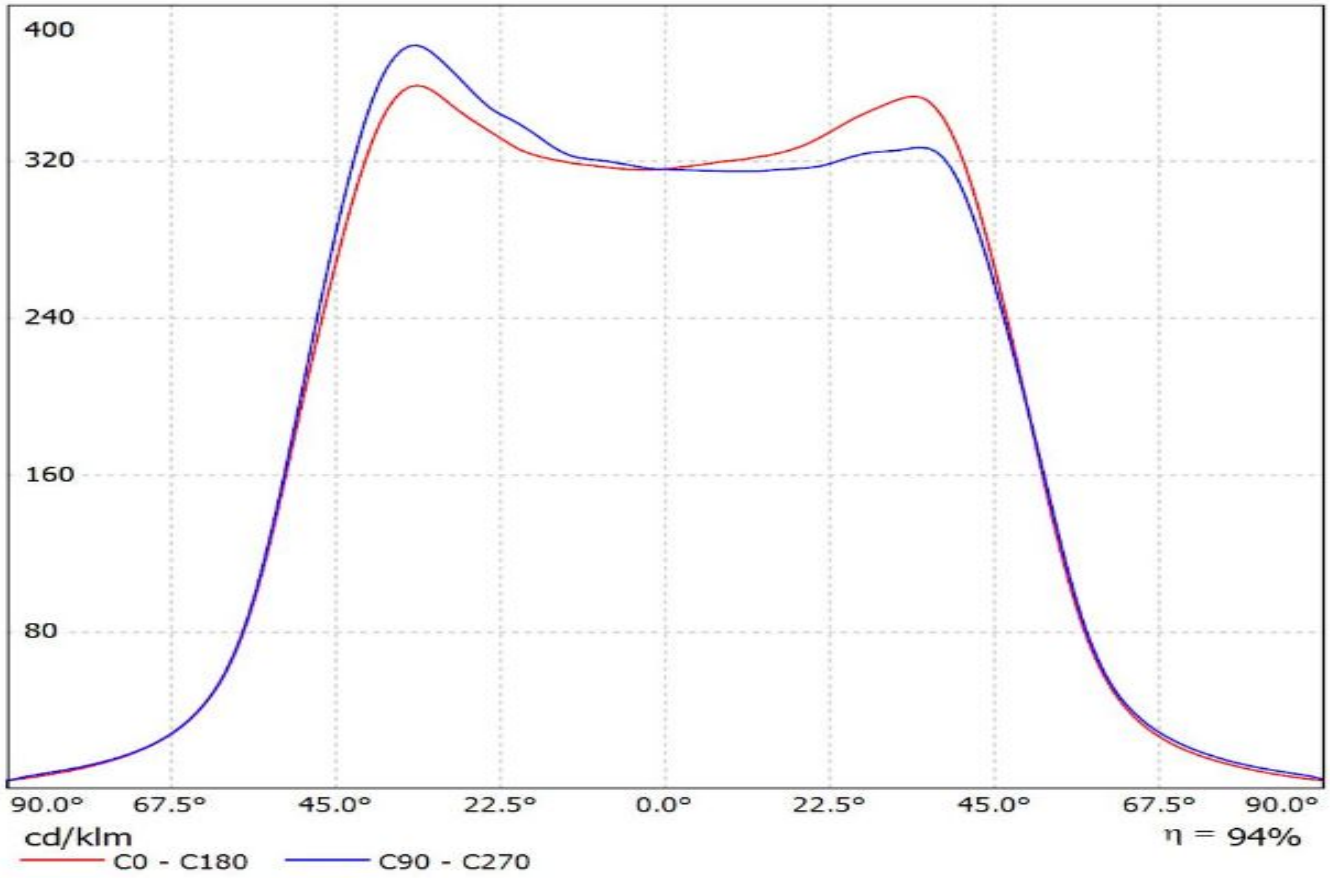
Luminaire: Ledil C14724_HB-2X2-WWW_(XD16)
Lamps: 1 x Cree_XD16_2x2_(XD16AWT-H-2B0-S20-0B-002)_455.025lm@250mA_CCT=5700K_P=2.78489W_I=0.25A



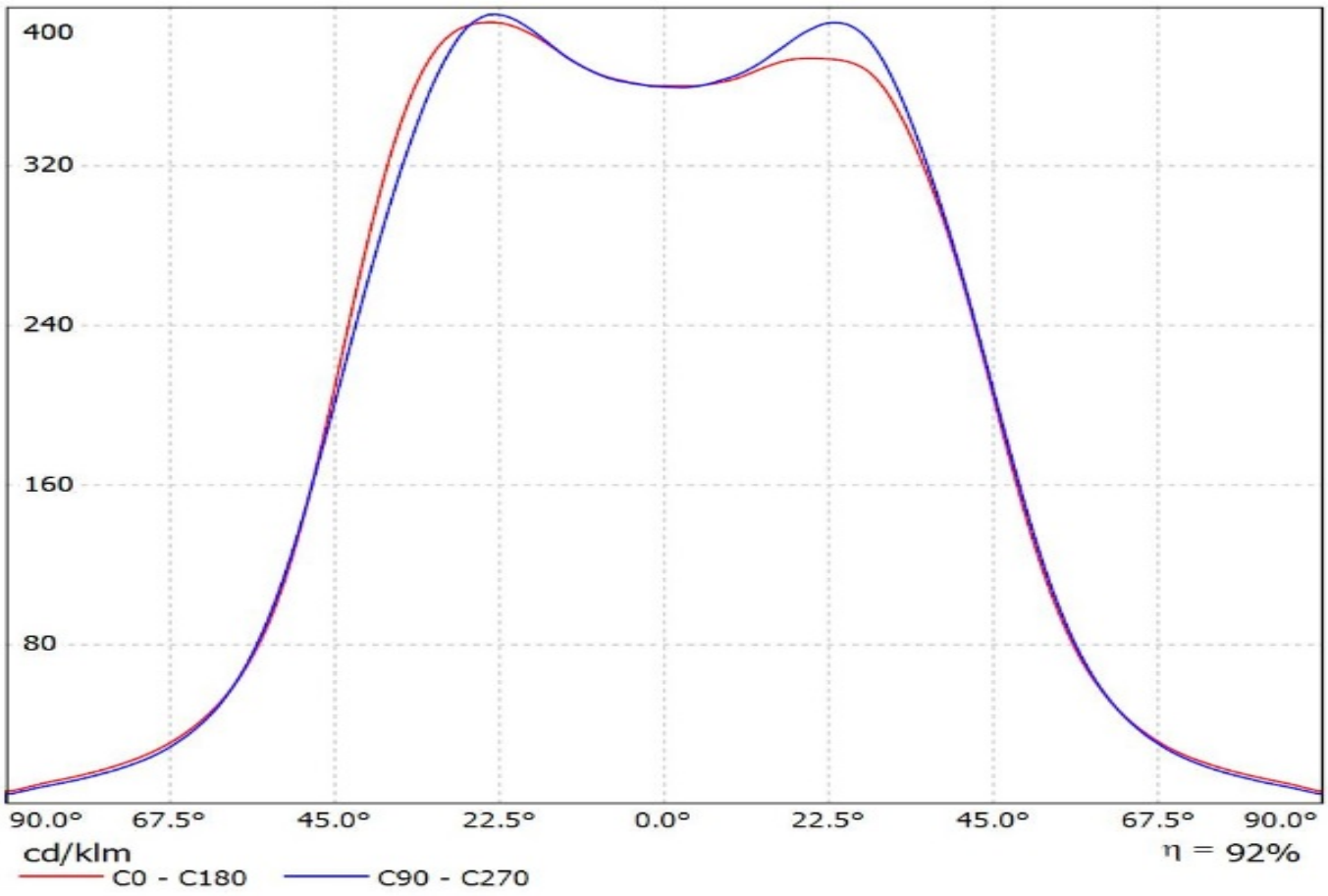
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(XD16_Cluster16)
Lamps: 1 x Cree_XD16_2x2cluster_(XD16AWT-H-2B0-S20-0B-002)_1763.39lm@250mA_CCT=5700K_P=10.926W_U=43.738V



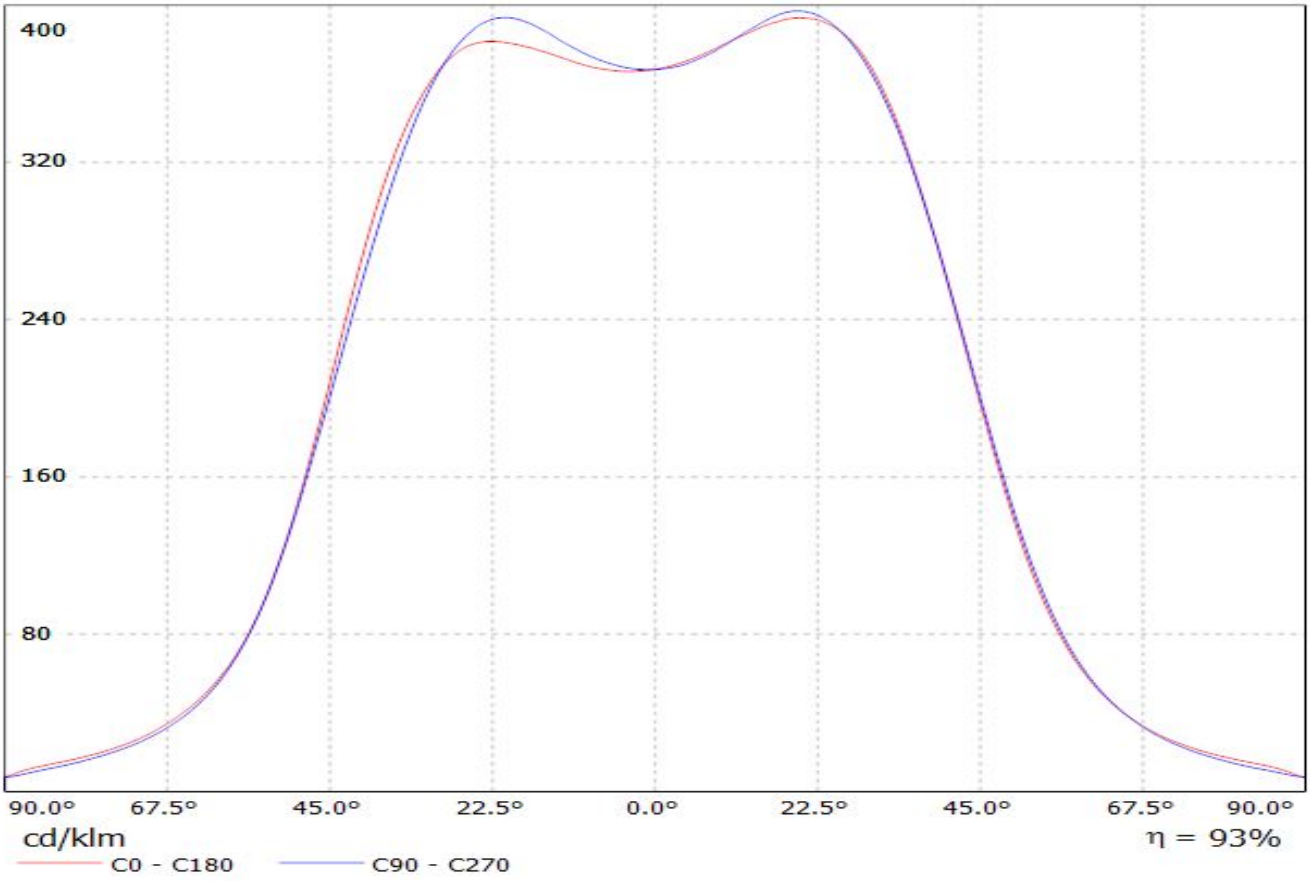
Luminaire: Ledil C14724_HB-2X2-WWW_(H35C1)
Lamps: 1 x LG_H35C1_2x2_477.216lm@250mA_P=2.87475W_I=0.250A



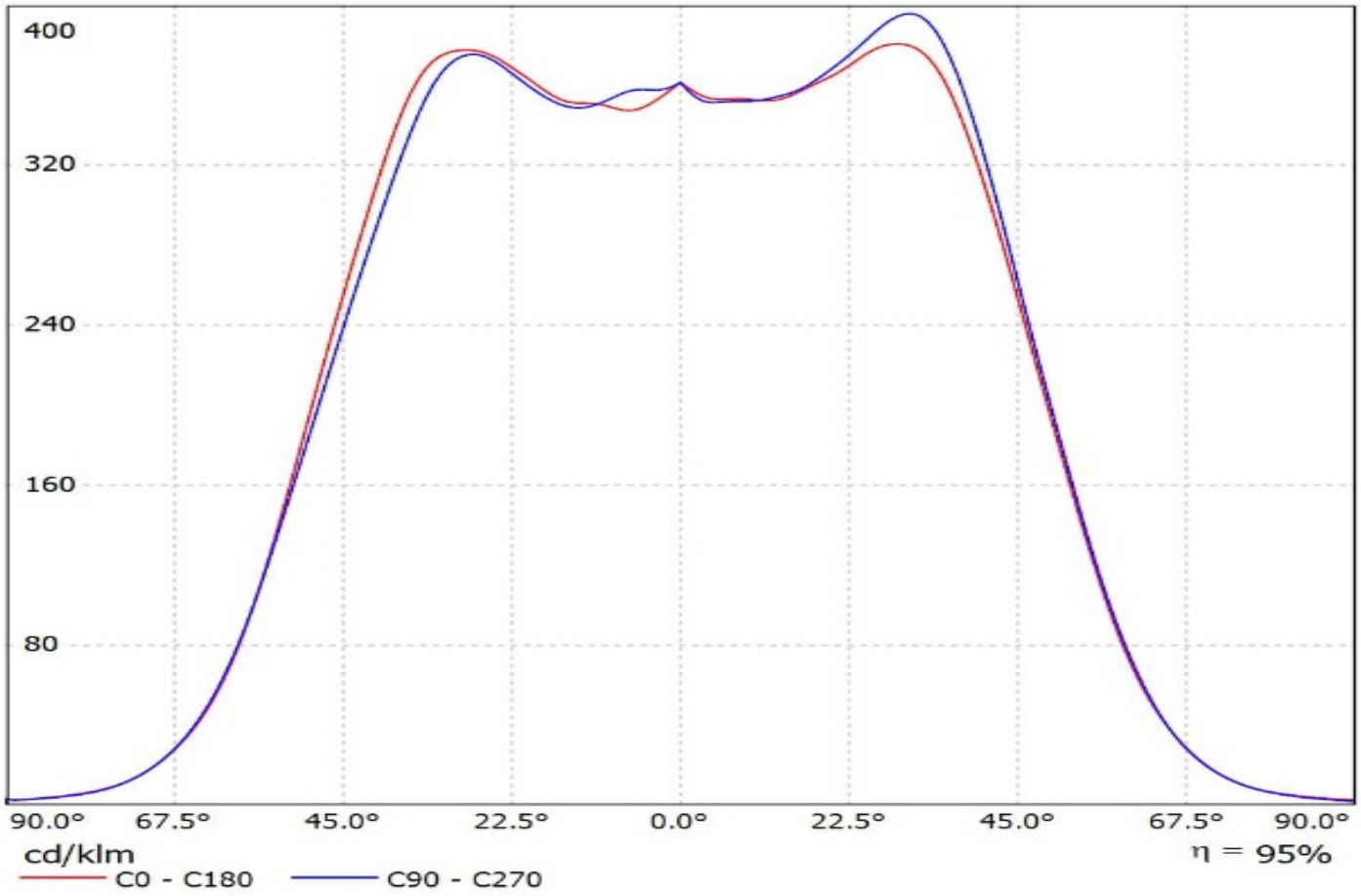
Luminaire: Ledil C14724_HB-2X2-WWW_(Luxeon_MZ)
Lamps: 1 x Philips_Lumileds_Luxeon_MZ_(LMZ7-QW57)_(2x2)_427.268lm@250mA_P=2.734W_I=0.2500A



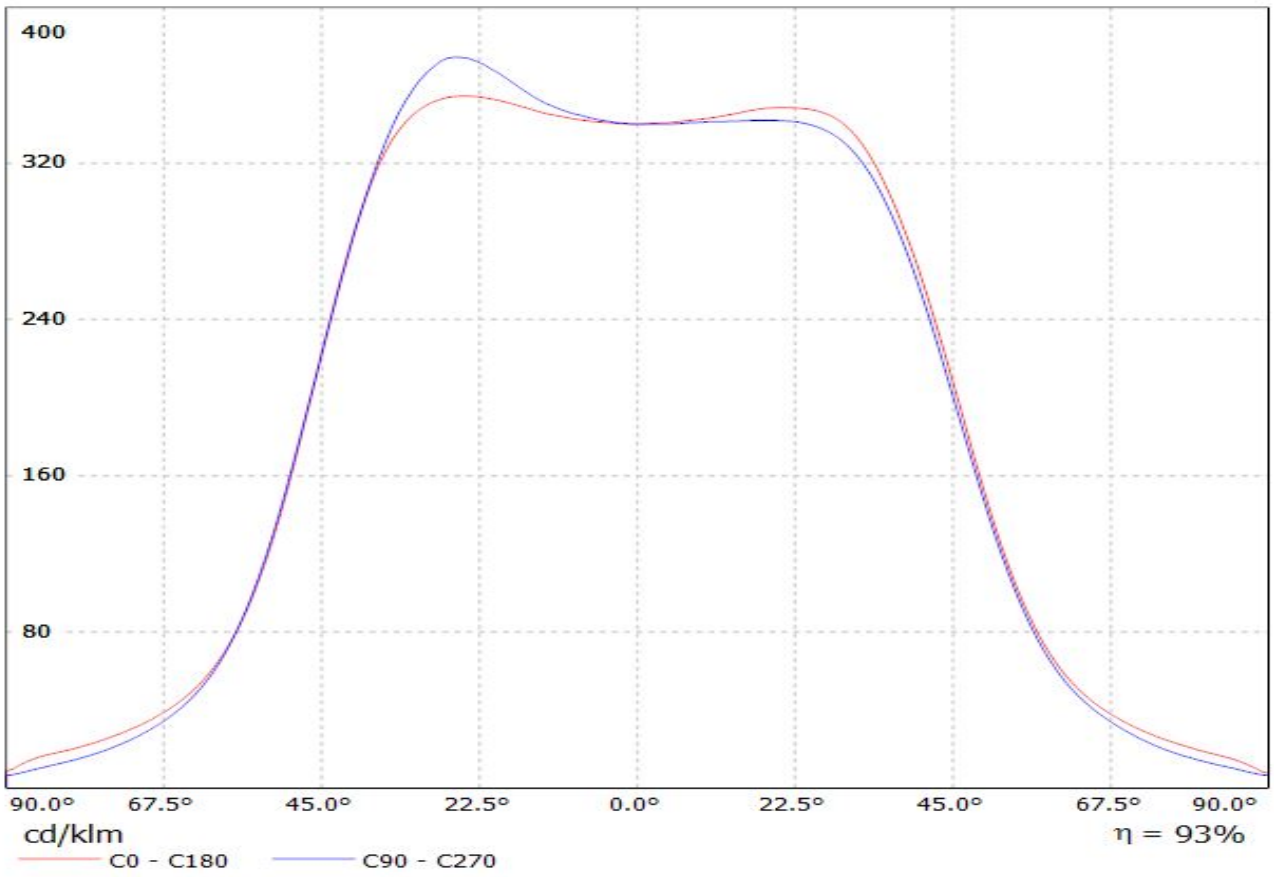
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Luxeon_5050)
Lamps: 1 x Luxeon_5050_2x2_1270.76lm@80mA_CCT=5700K_P=7.35815W_I=0.080A_70CRI



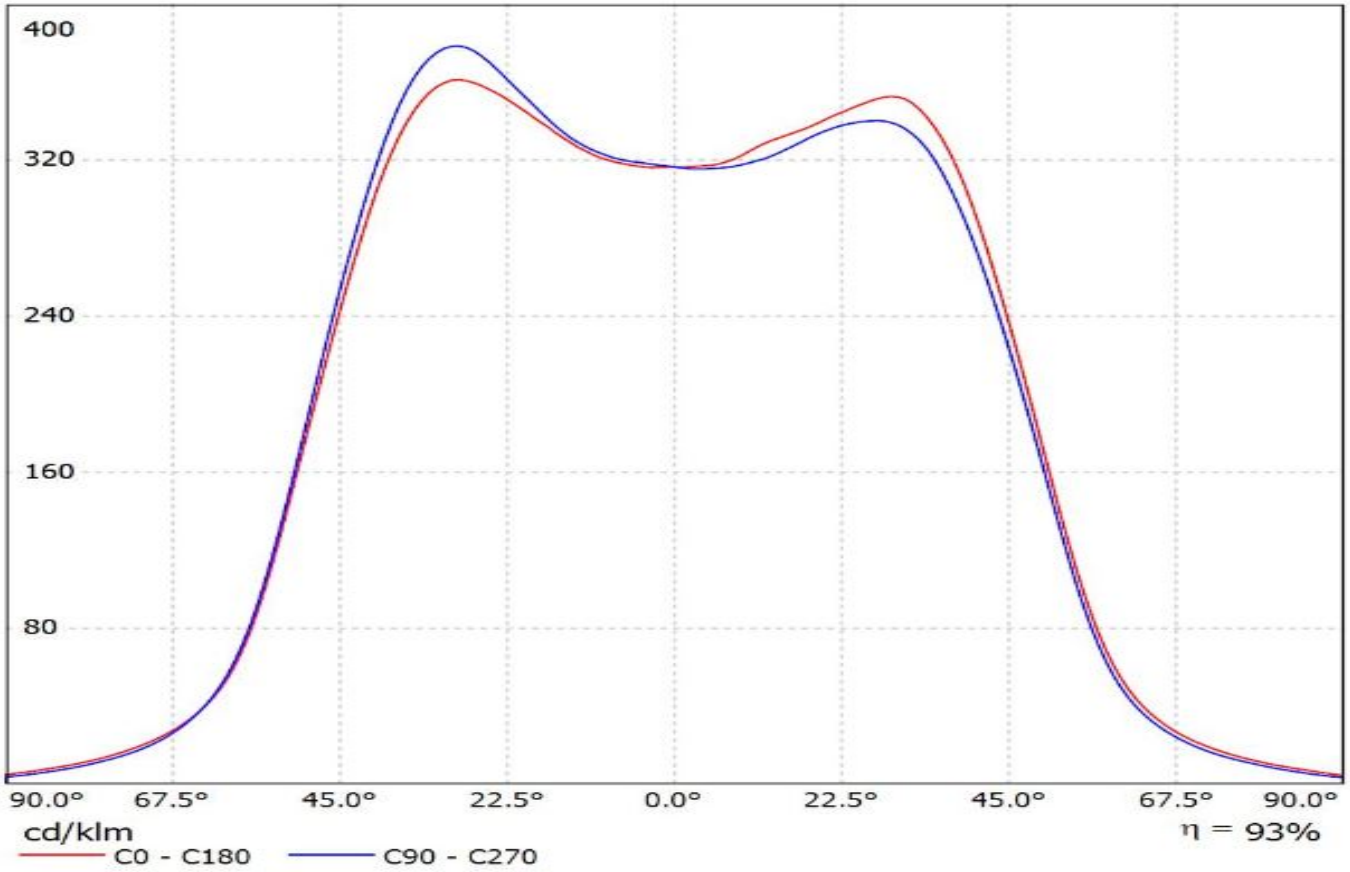
Luminaire: Ledil Oy C14724_HB-2X2-WWW_(Luxeon_3535L)_SIMULATED
Lamps: 1 x Lumileds Luxeon 3535L



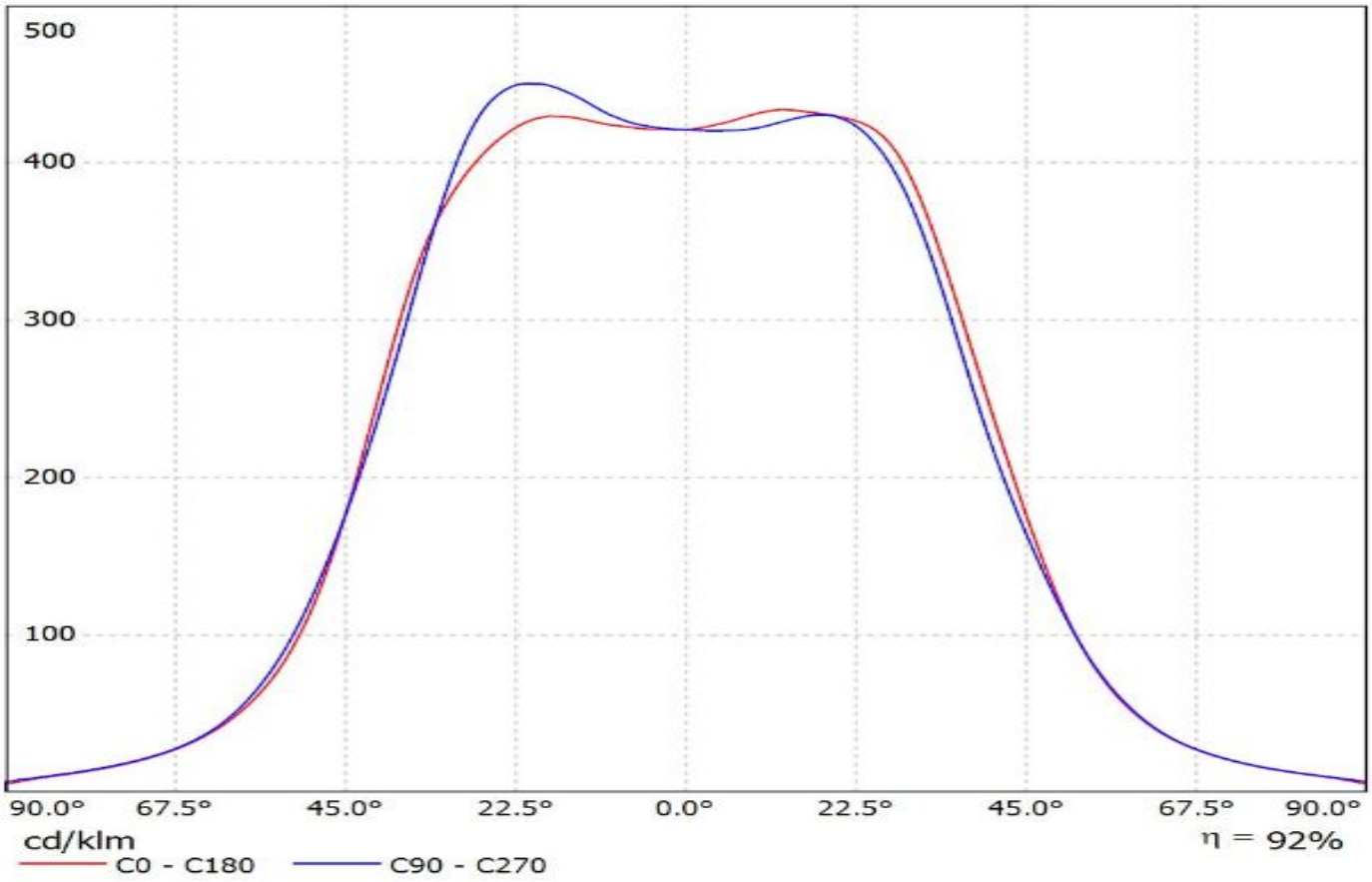
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Luxeon_V)
Lamps: 1 x Lumileds_Luxeon_V_2x2_488.501lm@250mA_CCT=4000K_P=2.75155W_I=0.250A



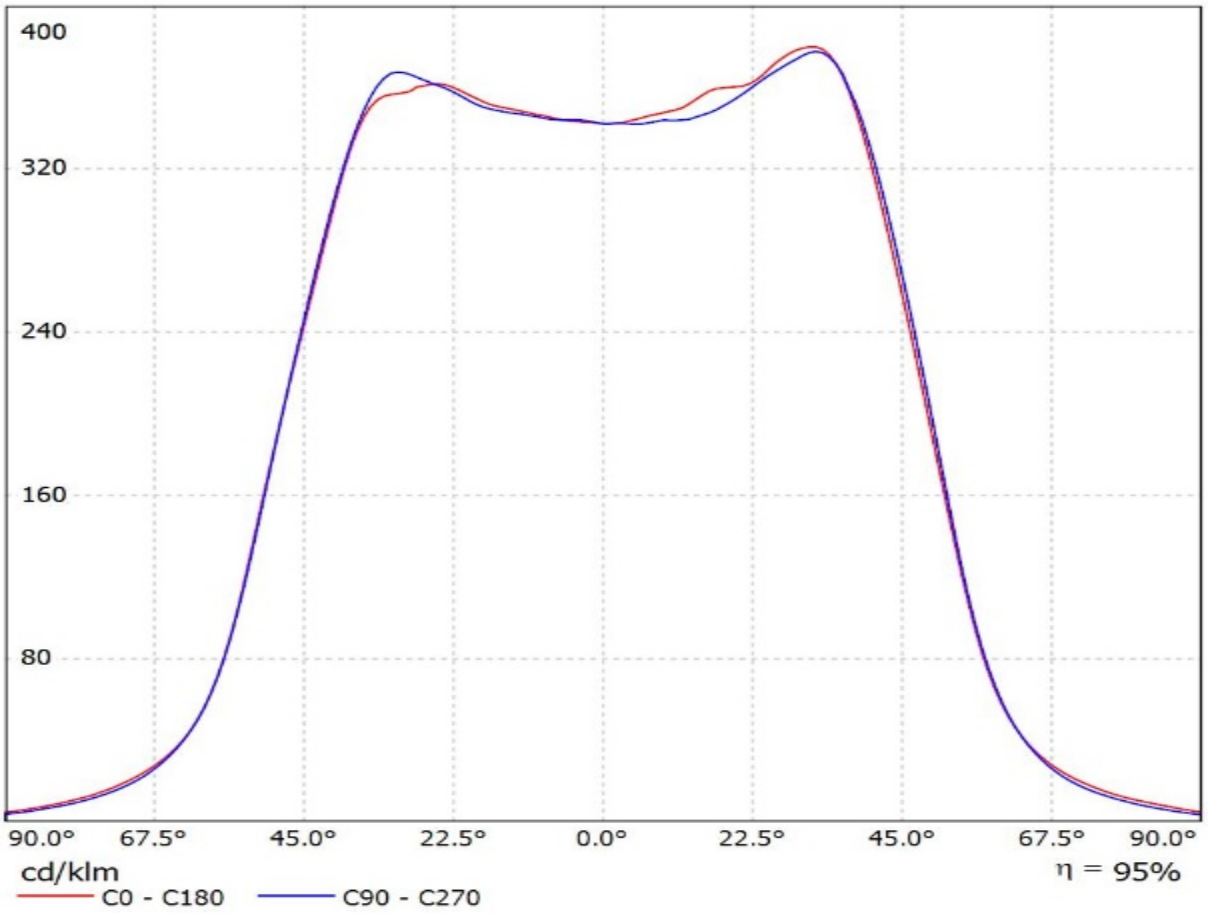
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(NVSW3x9A)
Lamps: 1 x Nichia_NVSW3x9A_(sm405/R70)_483.482lm_P=2.75904W_I=0.250A



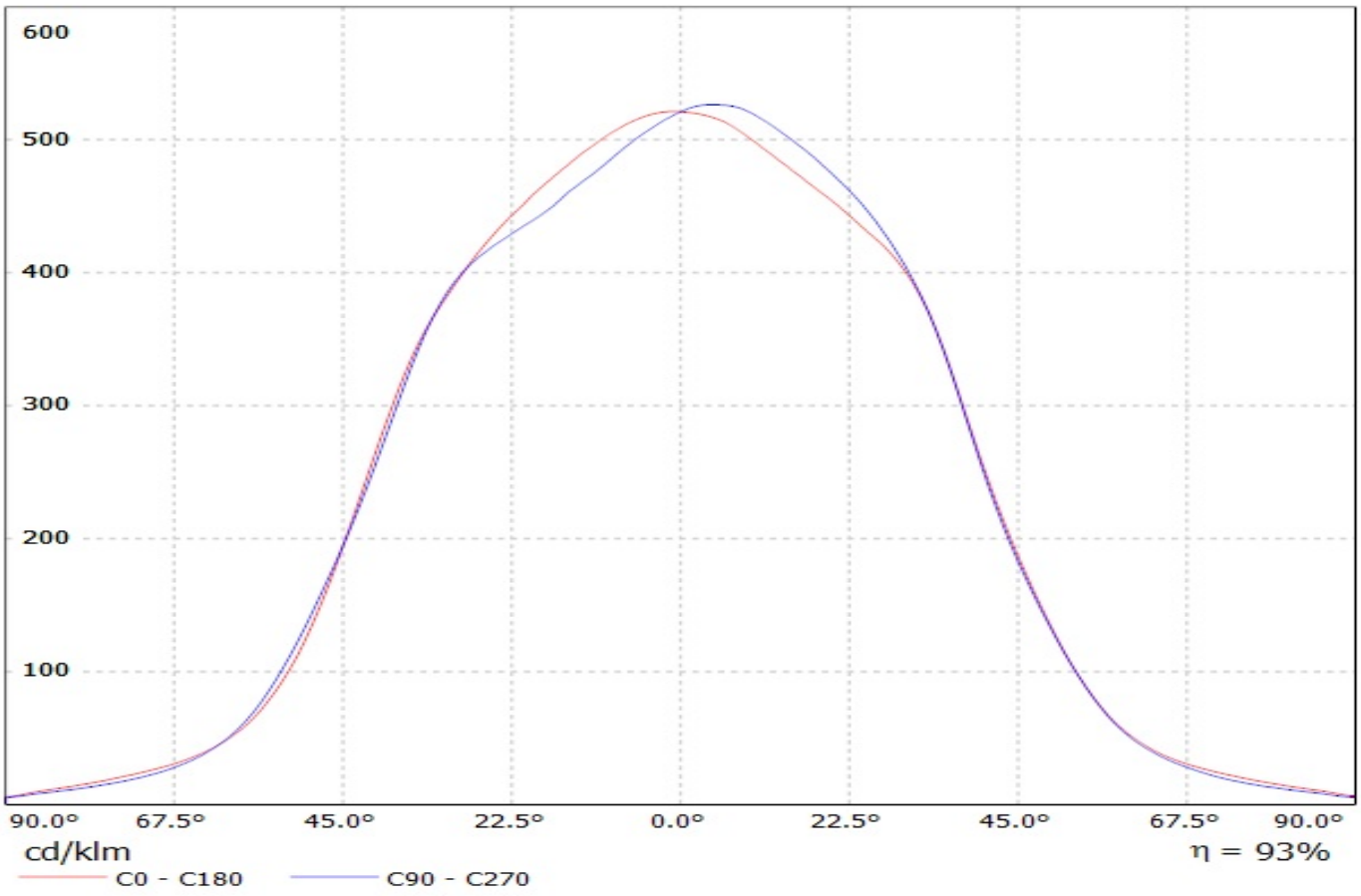
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(E21A)
Lamps: 1 x Nichia_E21A_452.248lm@250mA_2.805W_I=0.250A



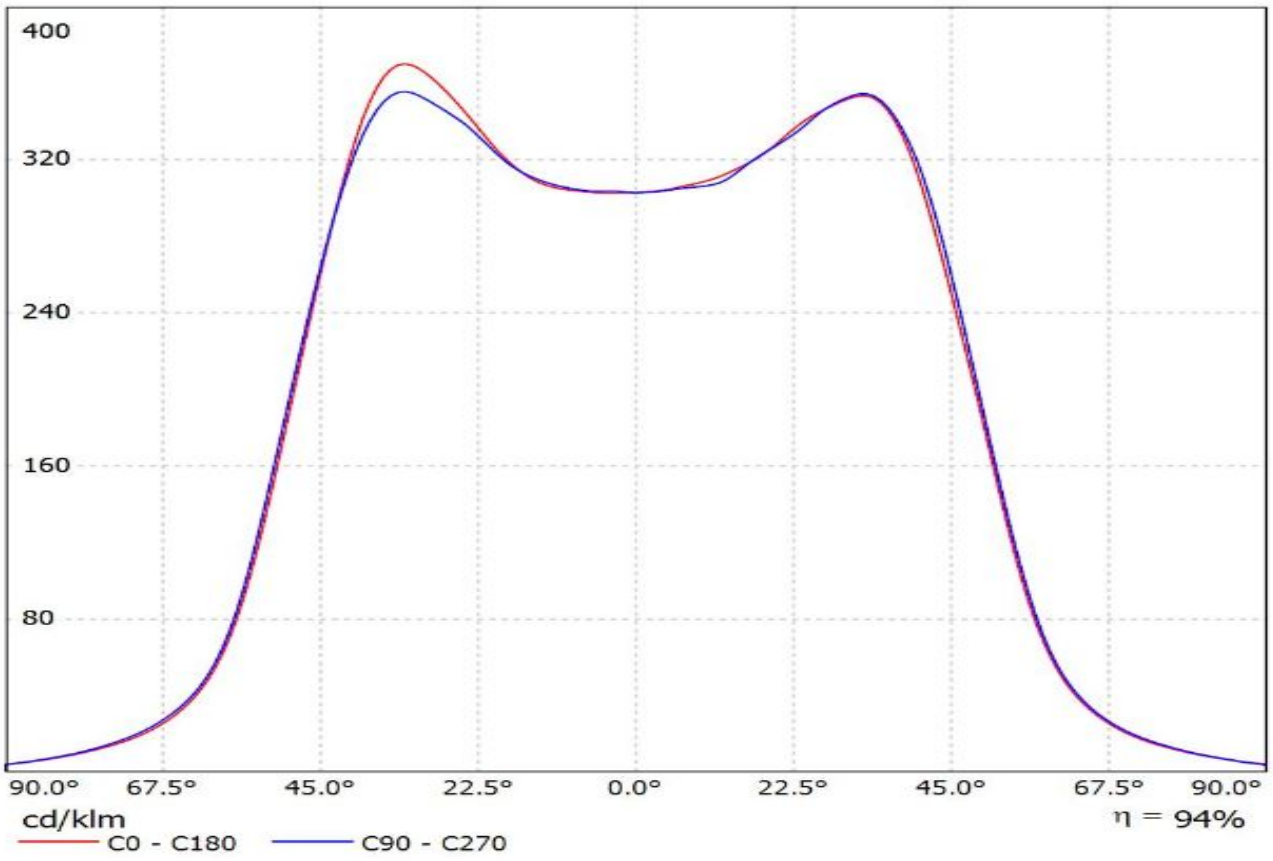
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Oslon_Square)
Lamps: 1 x Osram_Oslon_Square_(LCW_CQAR.PC-MSMU-5H71-1)_(2x2)_390.793lm@250mA_P=2.96631W_I=0.2499A



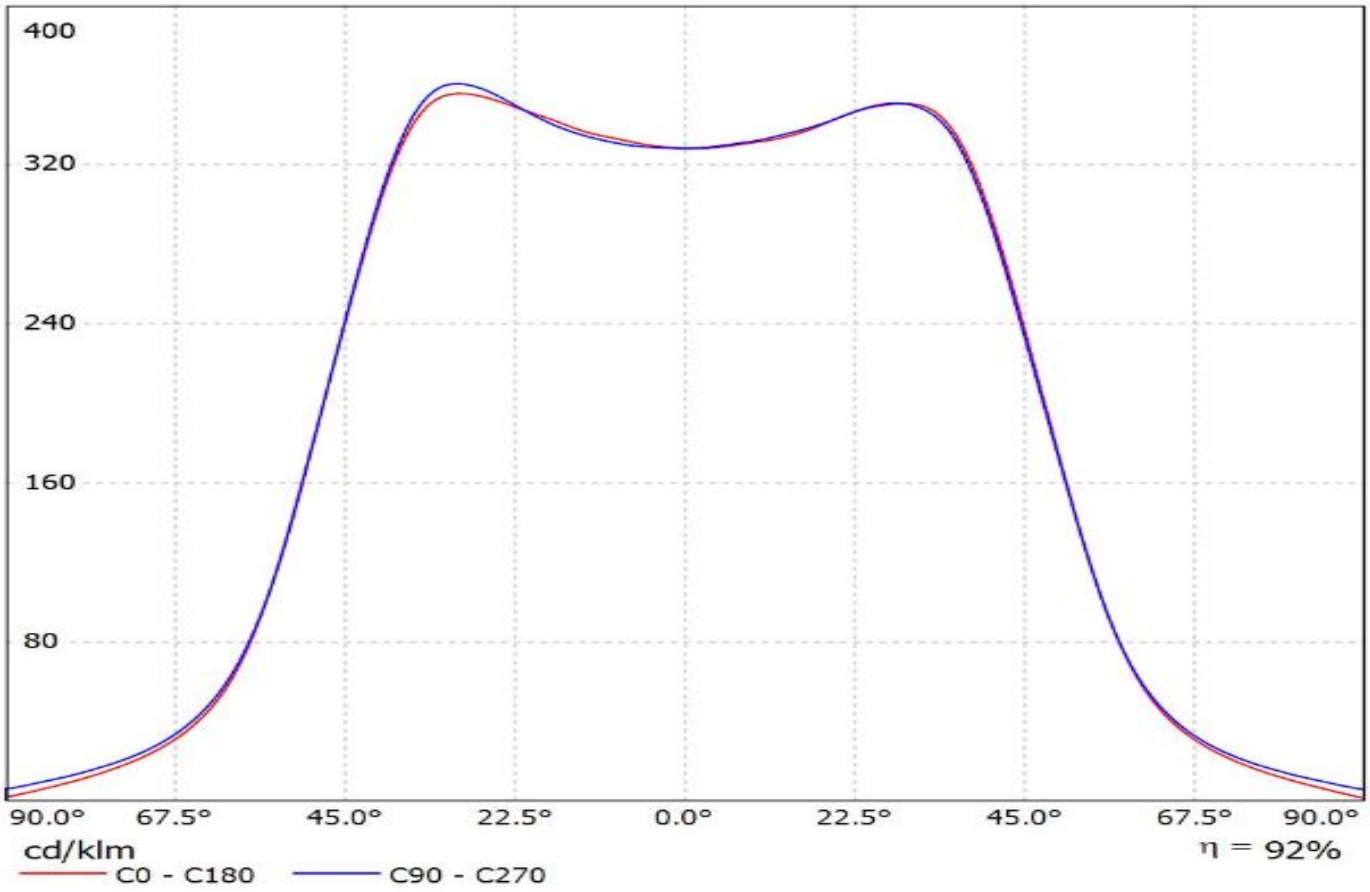
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Oslon_SSL80_2x2)
Lamps: 1 x Oslon_SSL80_2x2_308.732lm@250mA_P=3.16198W_I=250mA



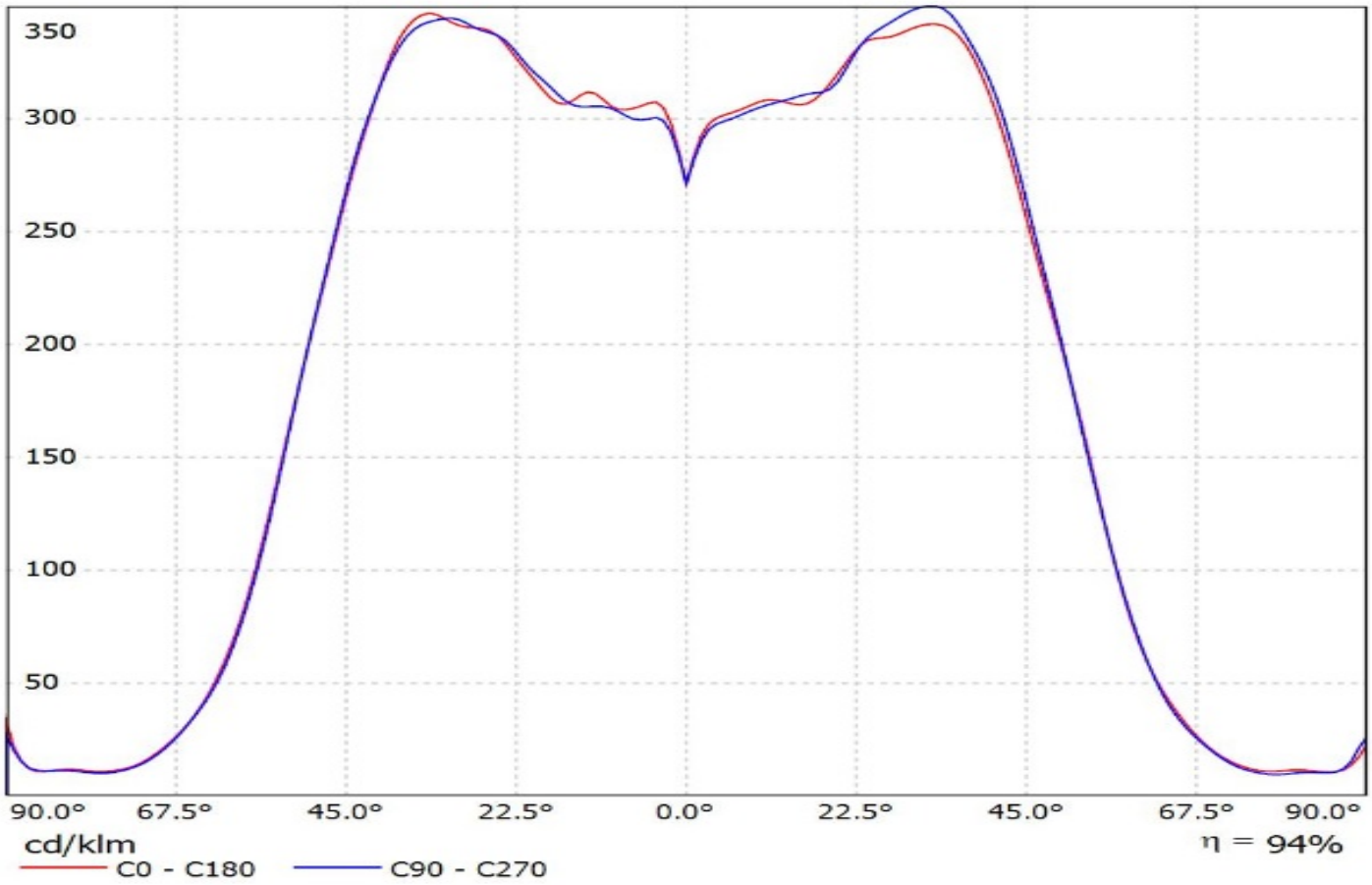
Luminaire: Ledil C14724_HB-2X2-WWW_(Square_Gen3)
Lamps: 1 x Osram_Square_Gen3_(GW_CSSRM2.PM)_461.082lm@250mA_P=2.79075W_I=0.250A



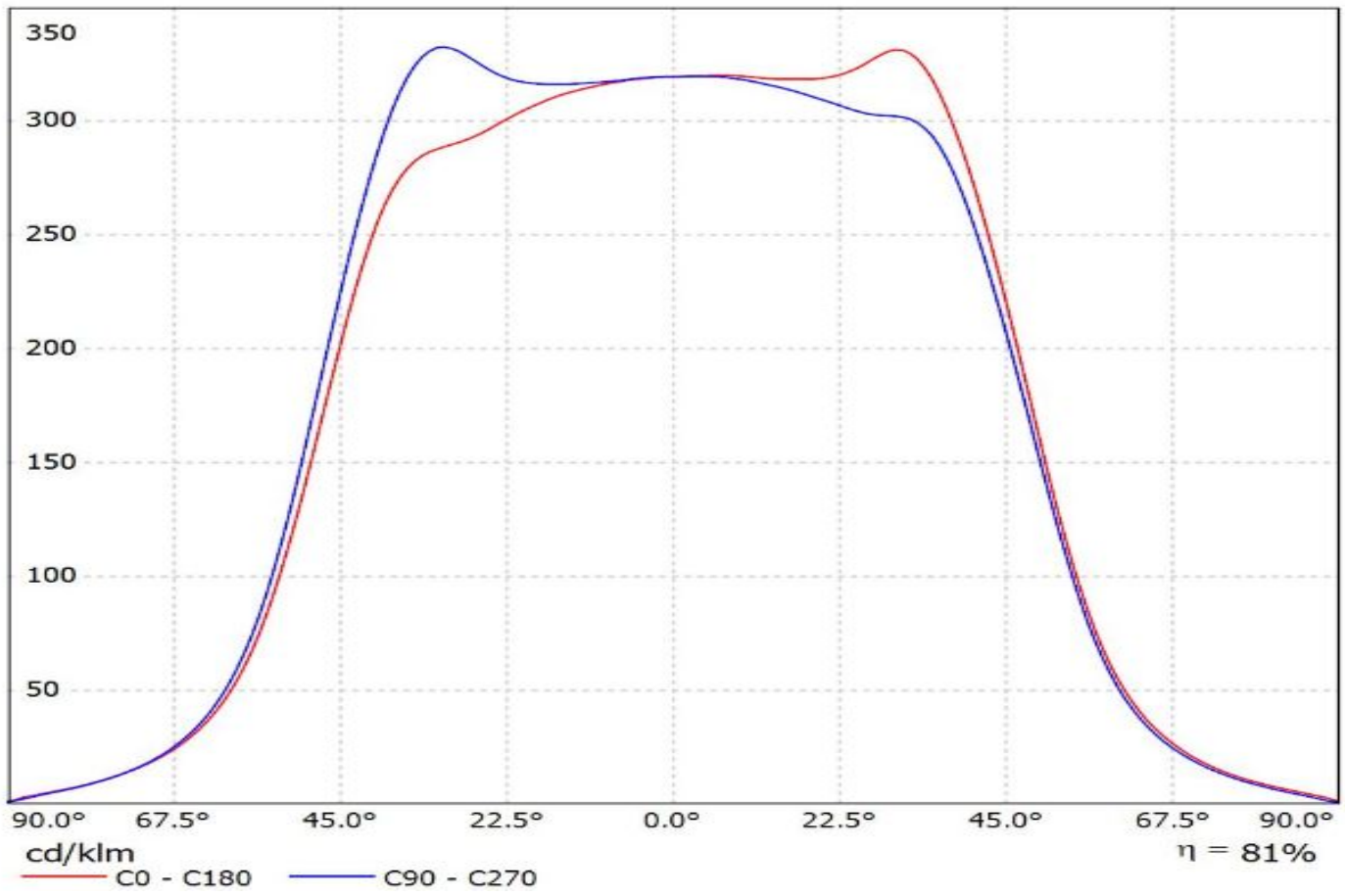
Luminaire: Ledil C14724_HB-2X2-WWW_(Fortimo_FastFlex_LED_board_2x8/740_DA_G3)
Lamps: 1 x Fortimo_FastFlex_LED_board_2x8/740_DA_G3_1823.98lm@250mA_P=11.65W_I=0.25A



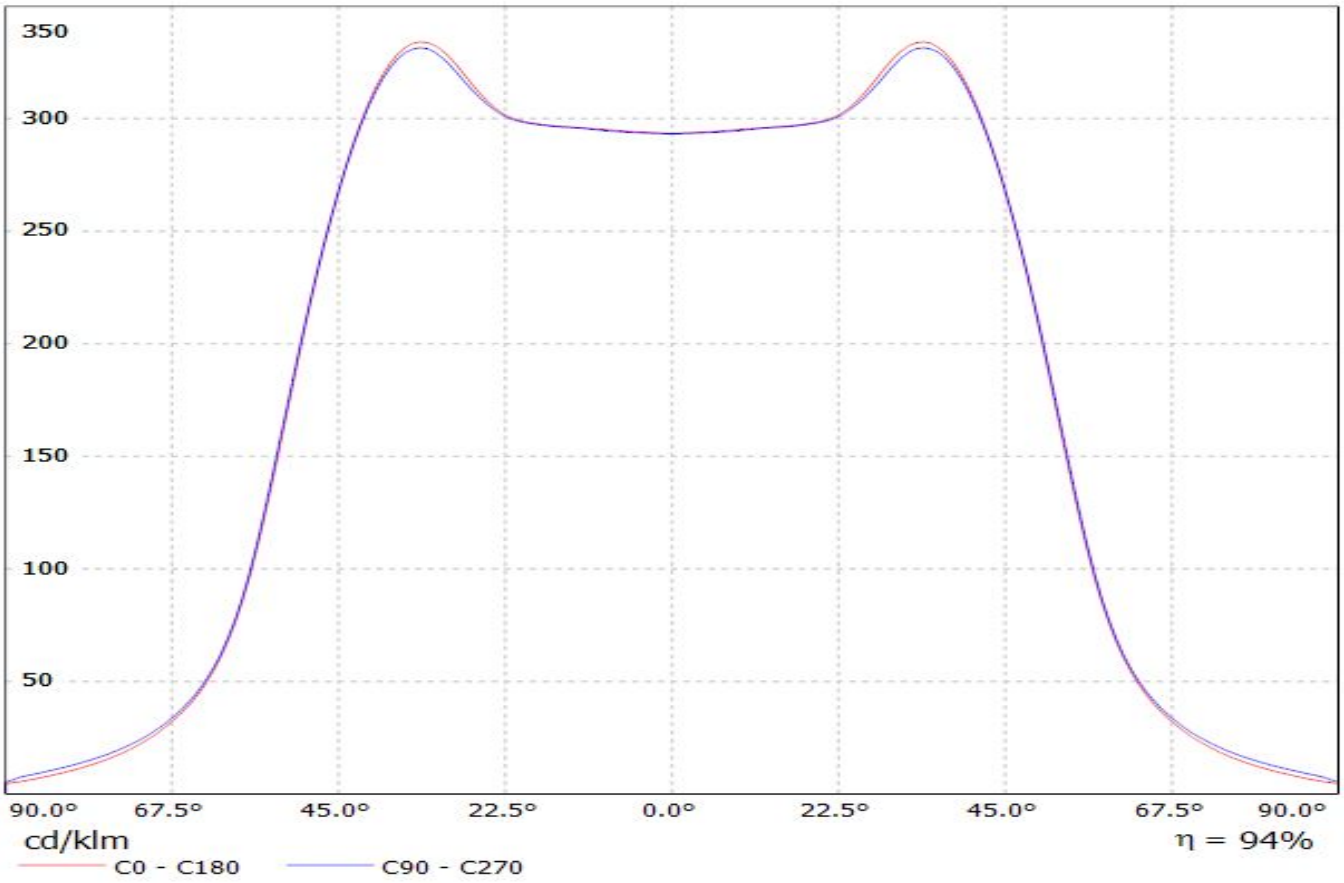
Luminaire: Ledil Oy C14724_HB-2X2-WWW_(Fortimo FastFlex LED board 2x8 DAX G4)_SIMULATED
Lamps: 1 x (Fortimo FastFlex LED board 2x8 DAX G4)



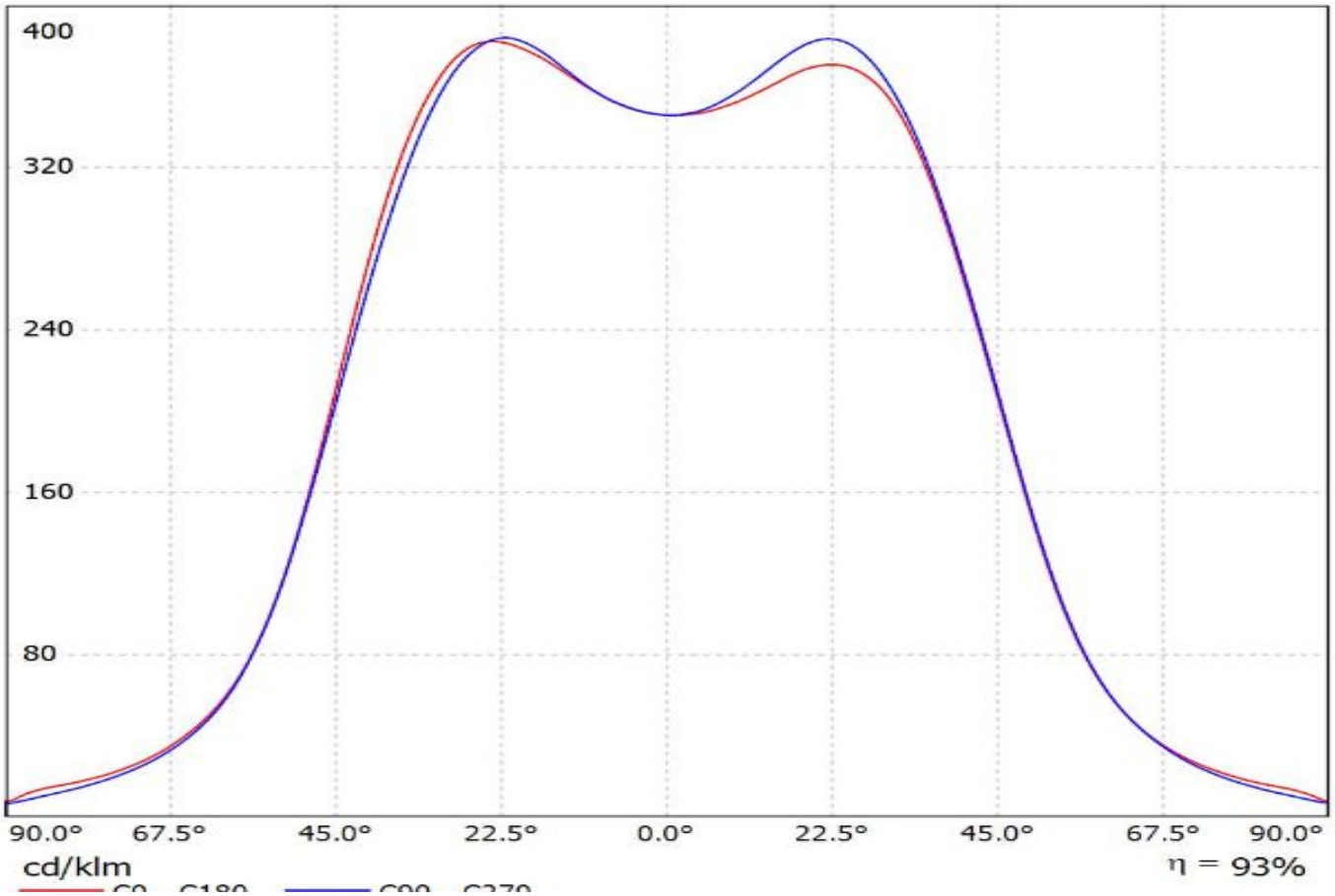
Luminaire: Ledil C14724_HB-2X2-WWW_(LH351B)
Lamps: 1 x Samsung_LH351B_2x2_444.178lm@250mA_P=2.8535W_I=0.25A



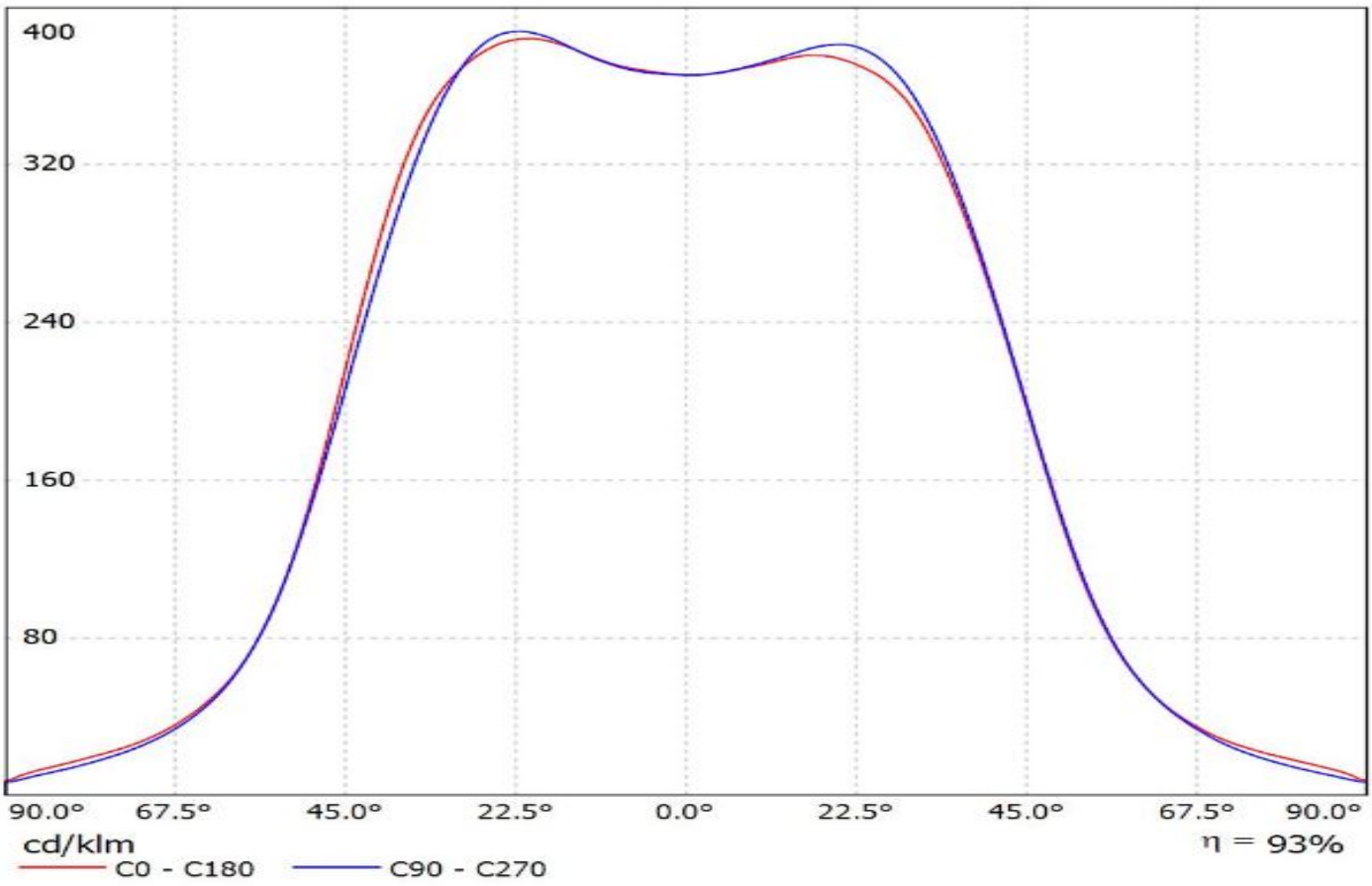
Luminaire: Ledil C14724_HB-2X2-WWW_(LH351D)
Lamps: 2 x Samsung_LH351D_536.957lm@250mA_P=2.7695W_I=0.250A



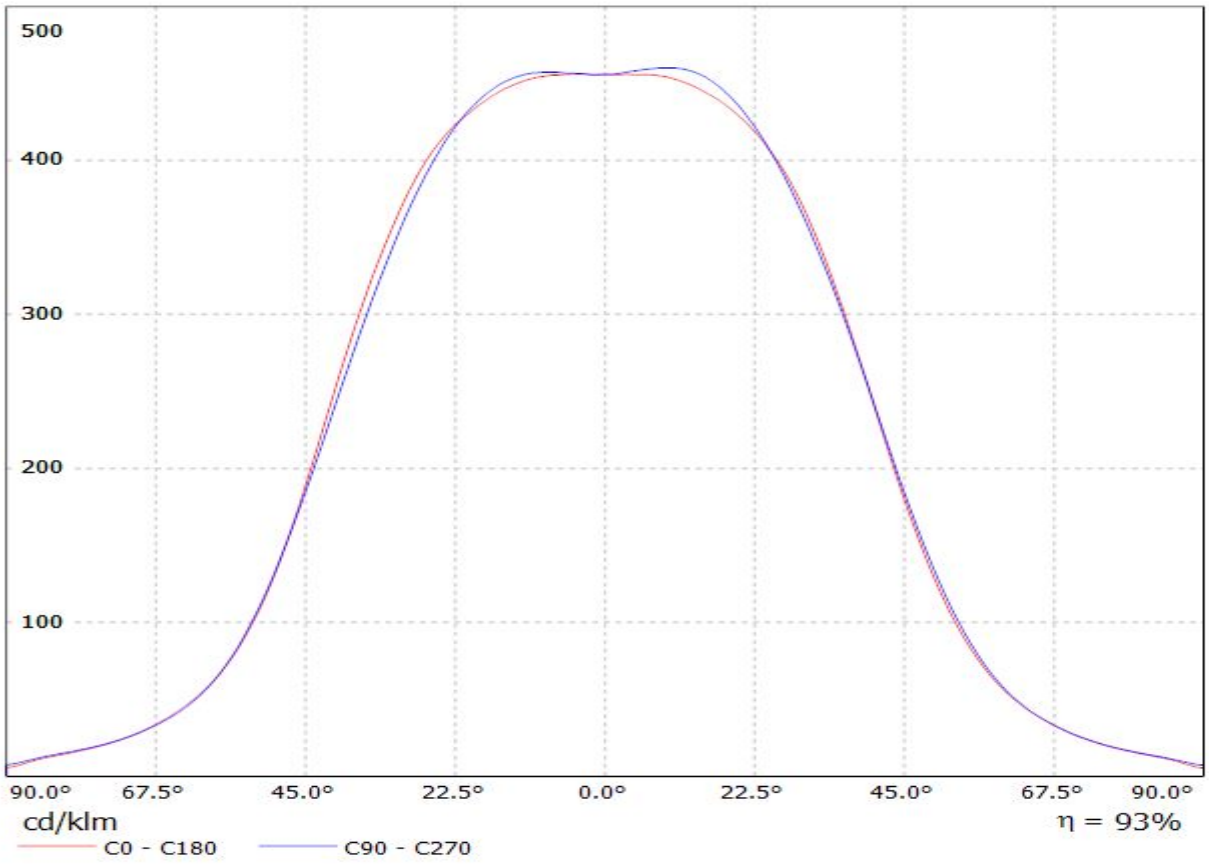
Luminaire: Ledil C14724_HB-2X2-WWW_(LH508A)
Lamps: 1 x Samsung_LH508A_2x2_2060.04lm@160mA_CCT=5000K_CRI=80_P=15.5405W_I=0.16A



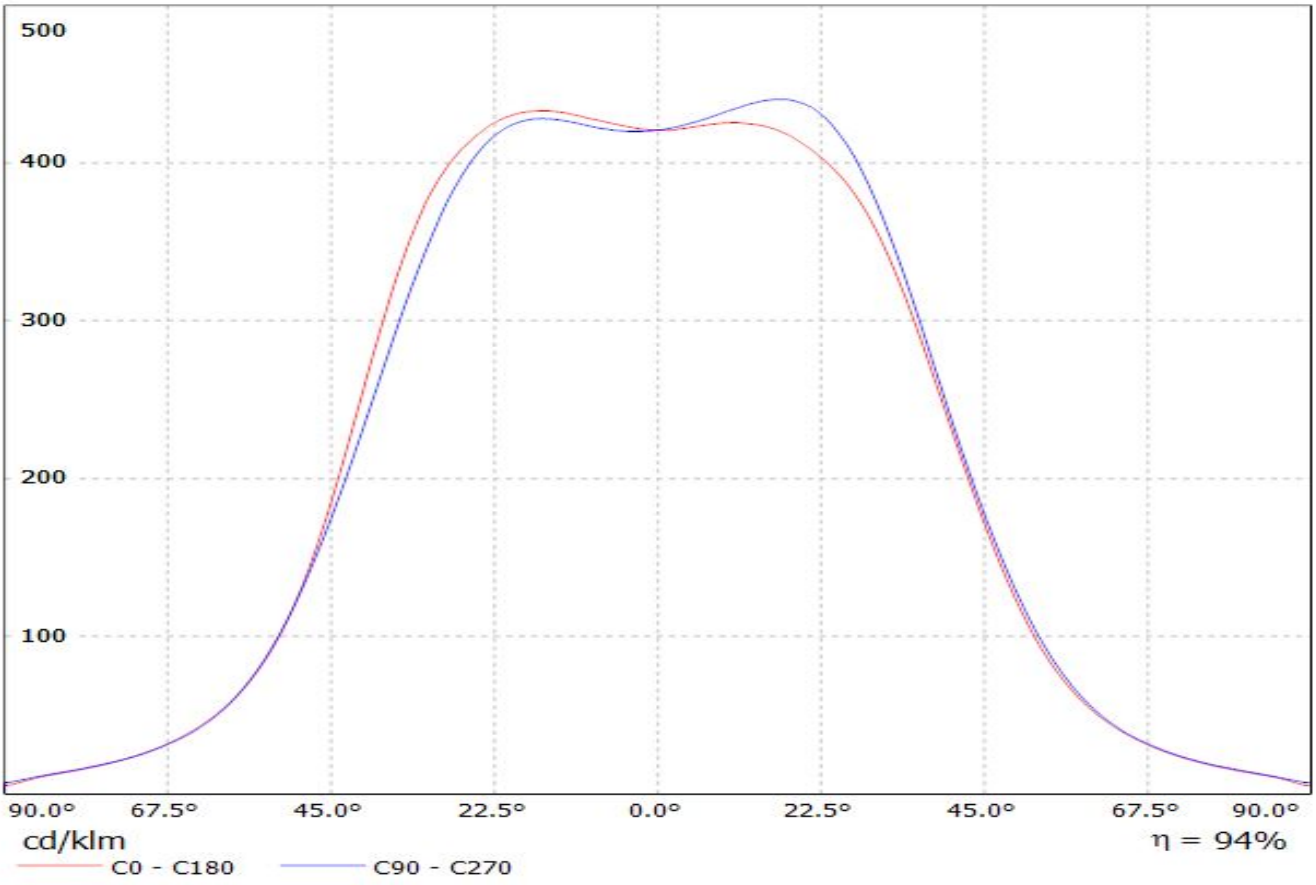
Luminaire: Ledil C14724_HB-2X2-WWW_(Z8Y22plus)
Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_513.996lm@250mA_P=2.754W_I=0.250A



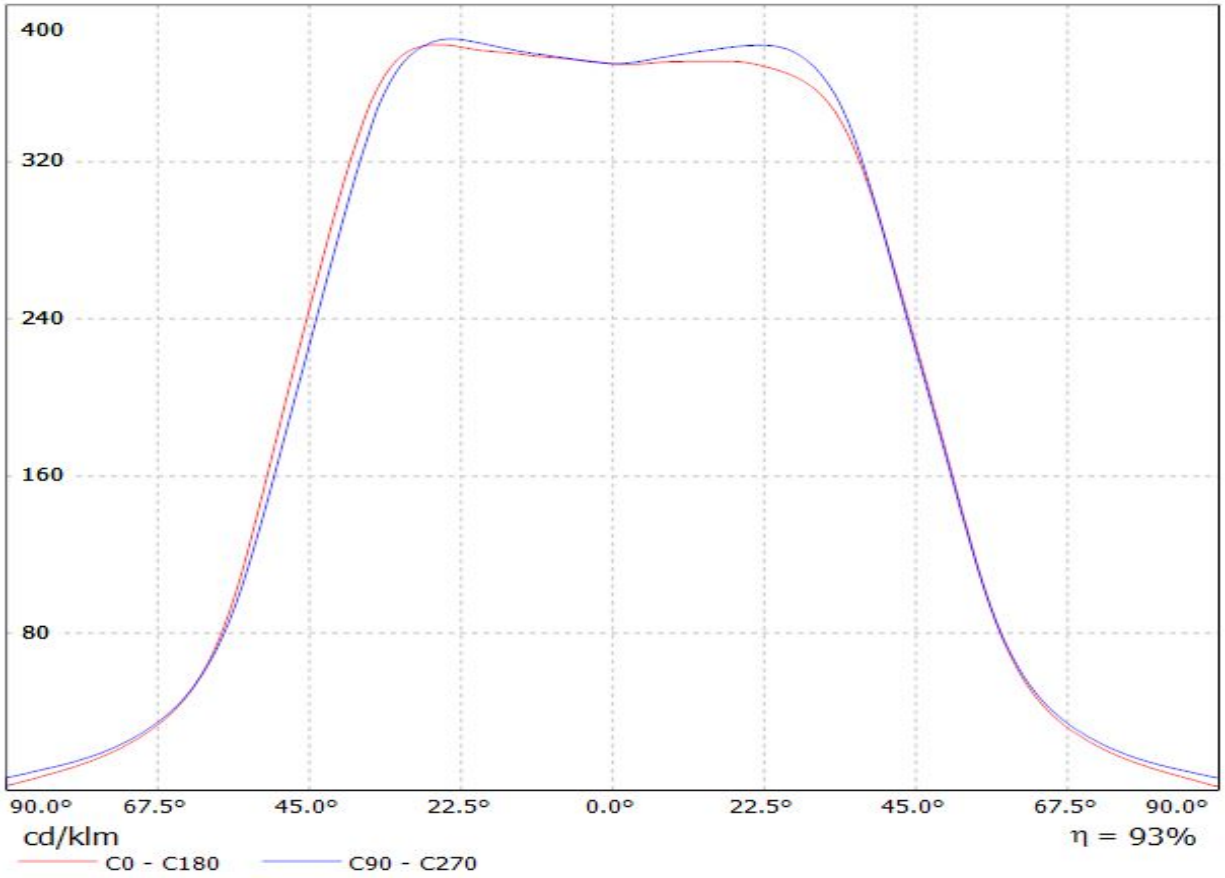
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Z8Y19_2x2Cluster)
Lamps: 1 x Seoul_Z8Y19_2x2Cluster_(SMJQ-D64WW16AA-XX)_1926.91lm@250mA_P=11.1416W_I=0.250A



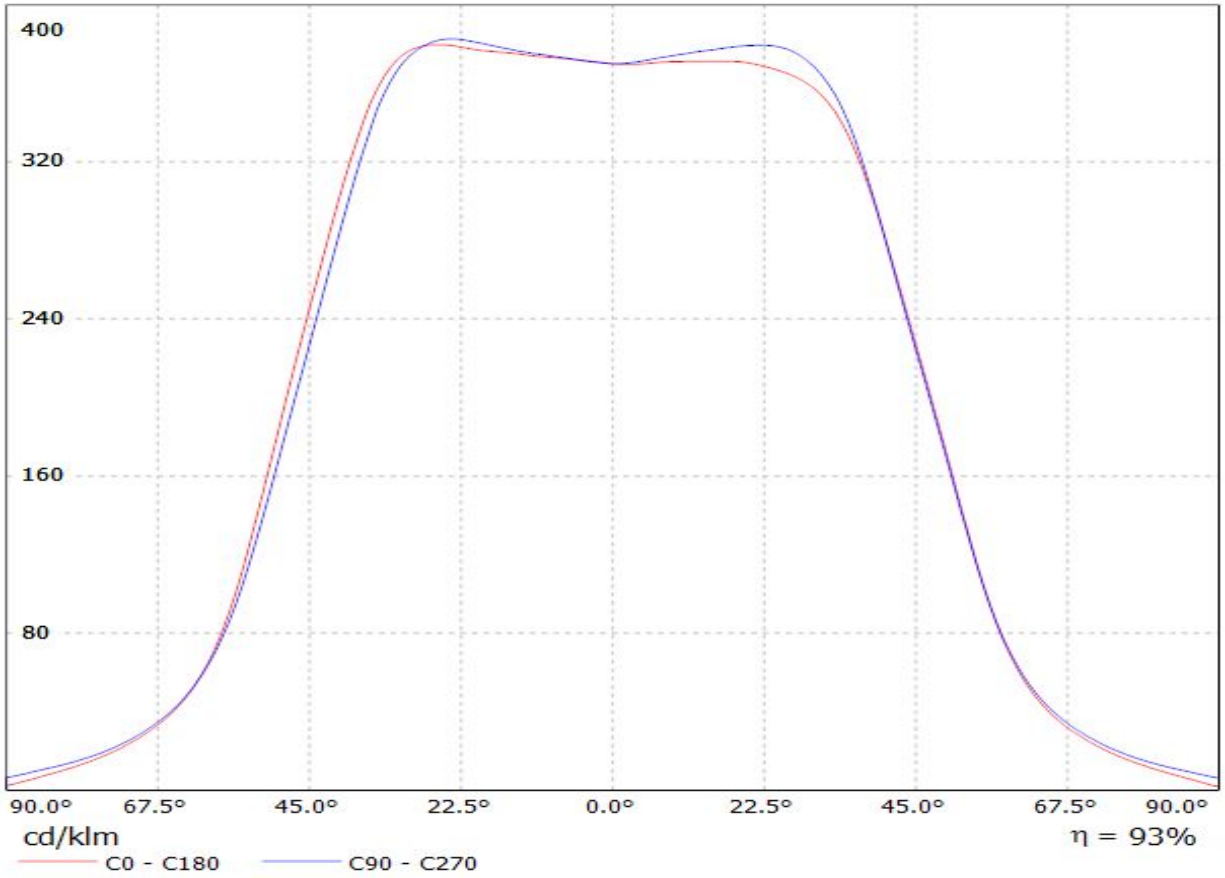
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Z8Y22)
Lamps: 1 x Seoul_Wicop_Z8Y22_497.373lm@250mA_P=2.80076W_U=11.211V



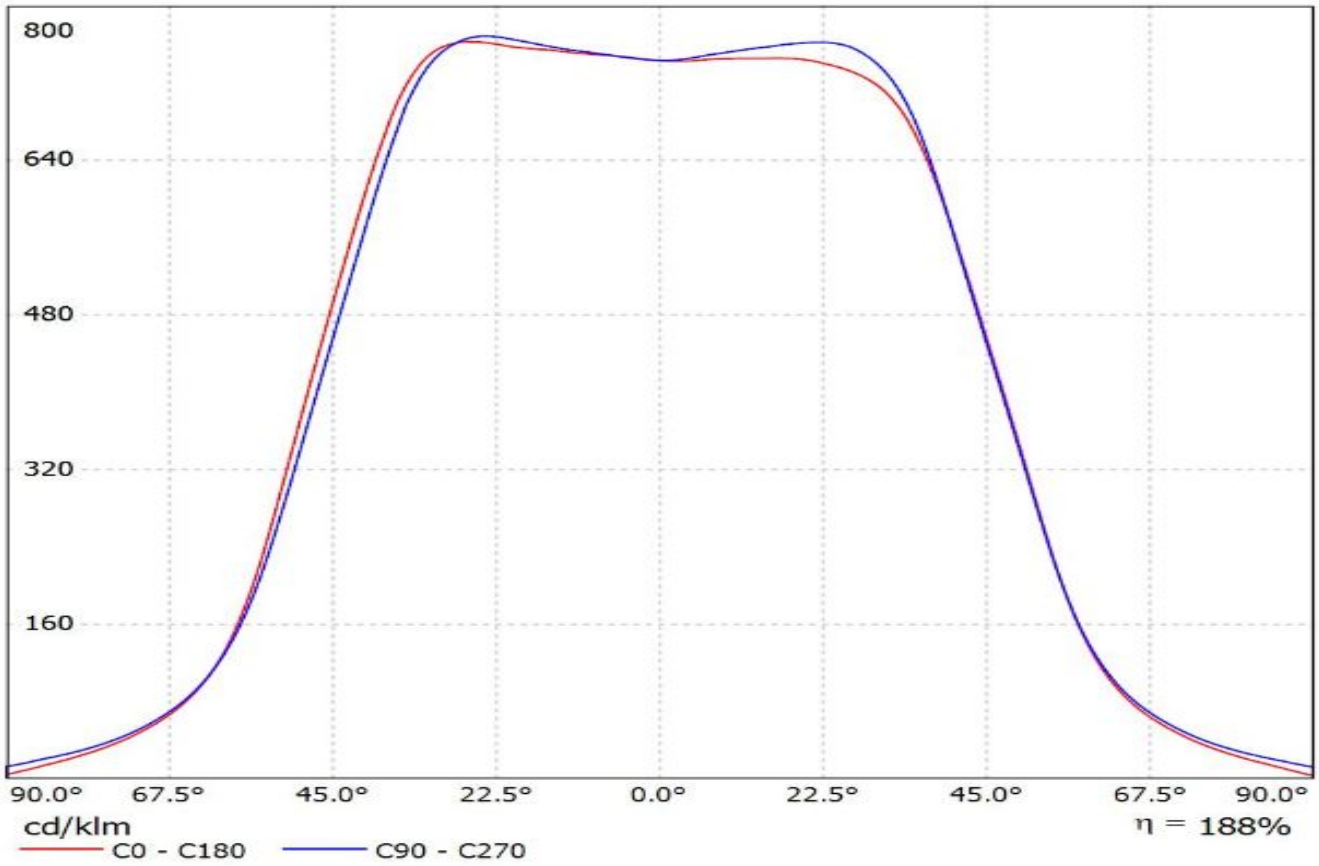
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A



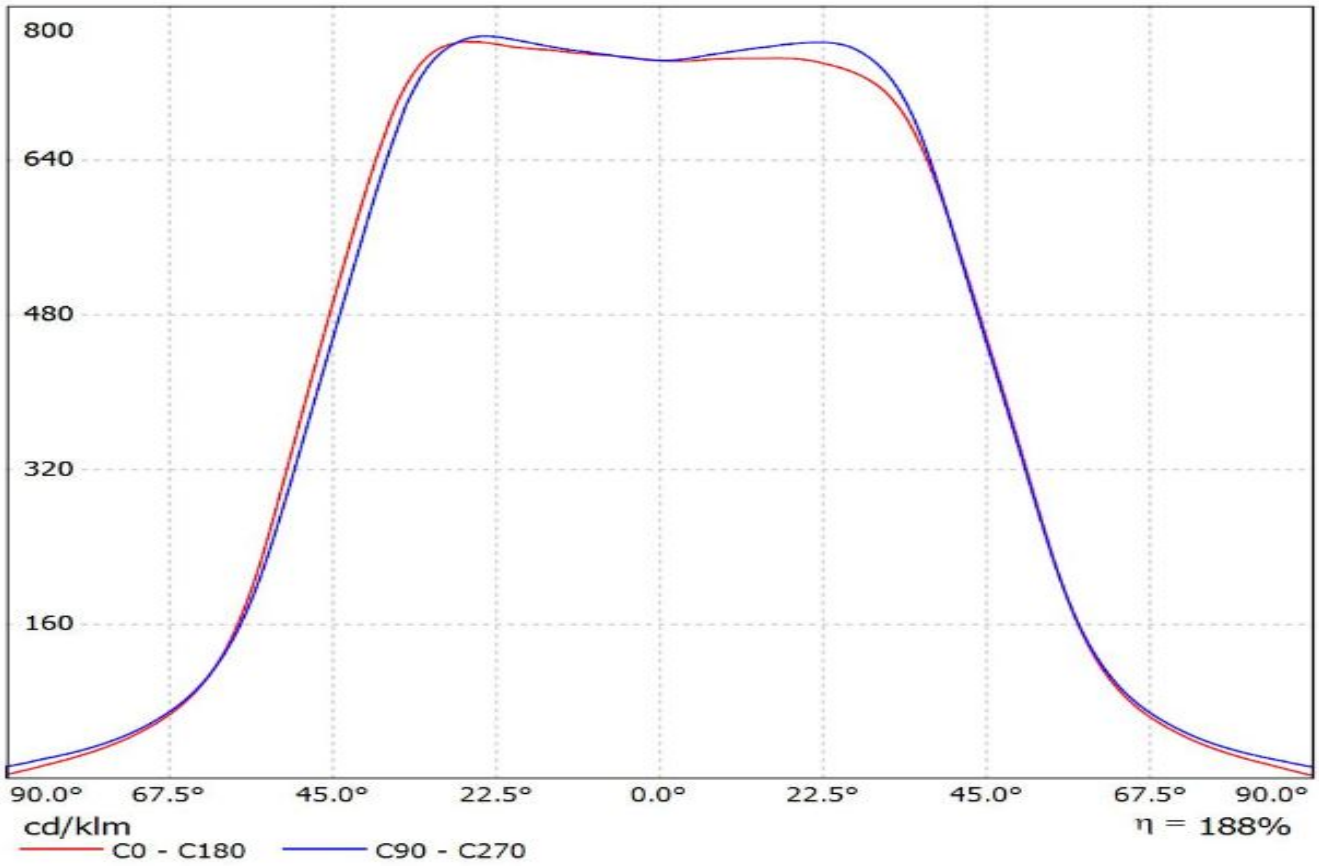
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A



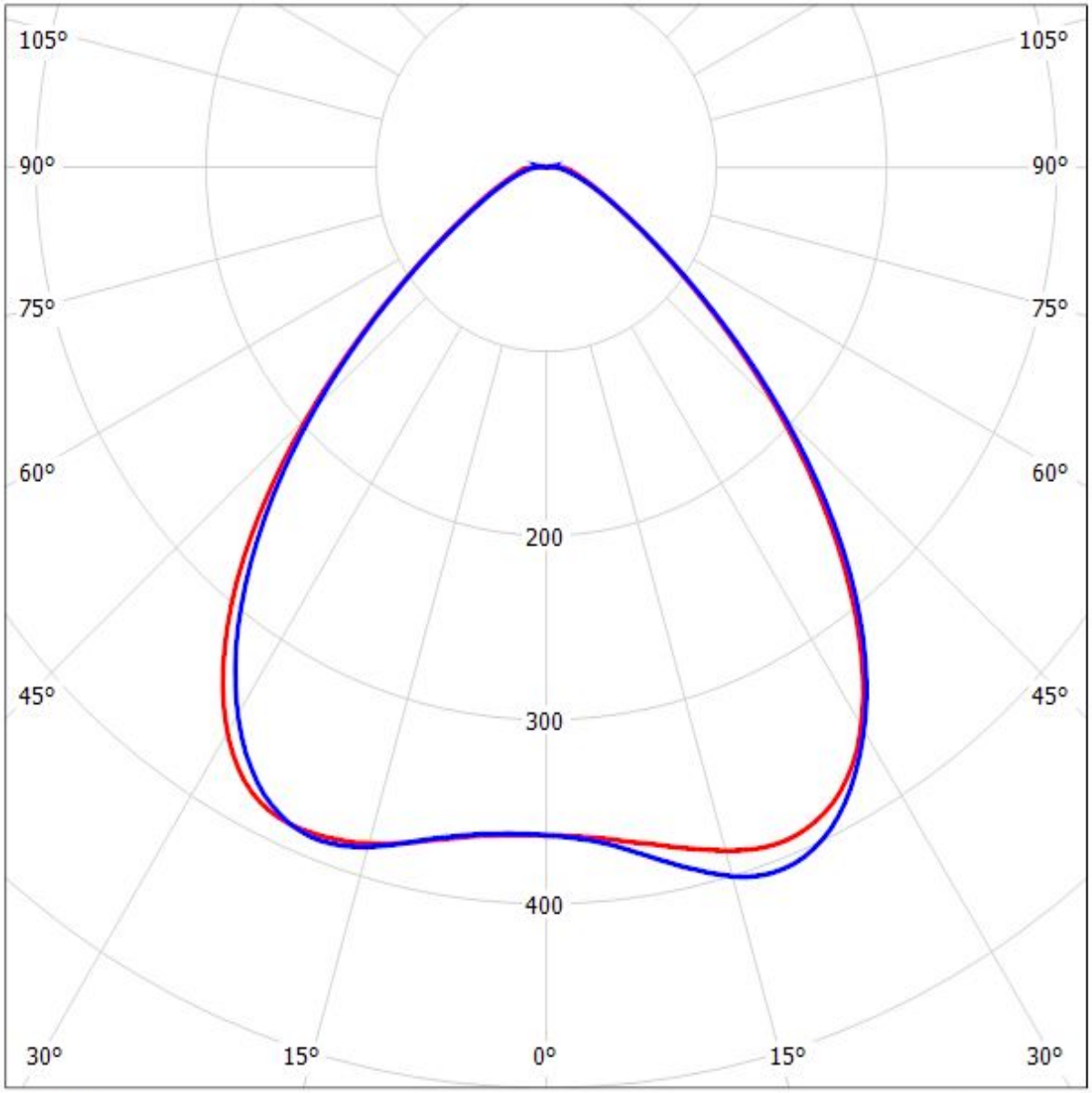
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_2288lm@700mA_P=16W_I=0.700A



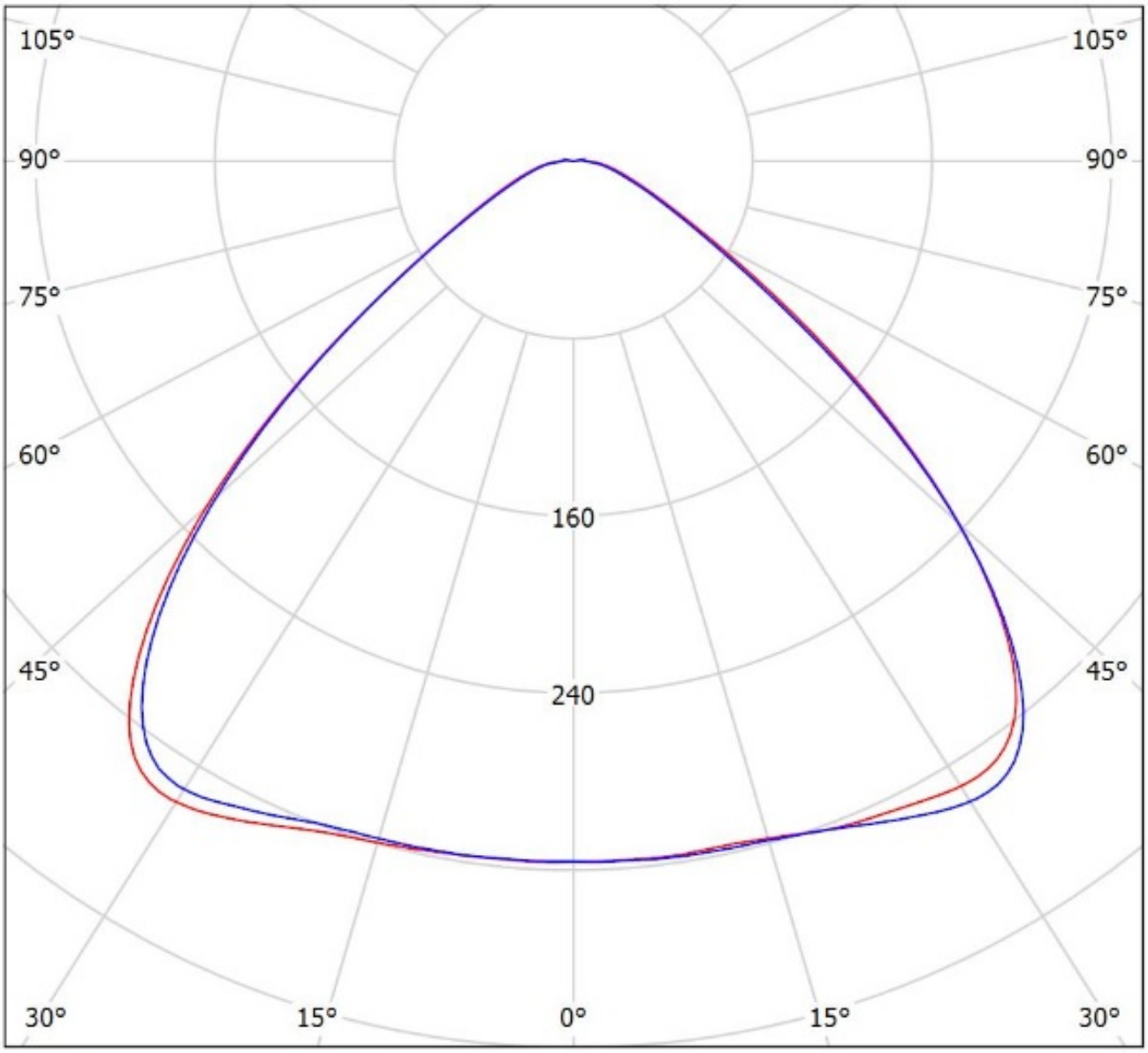
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_2288lm@700mA_P=16W_I=0.700A



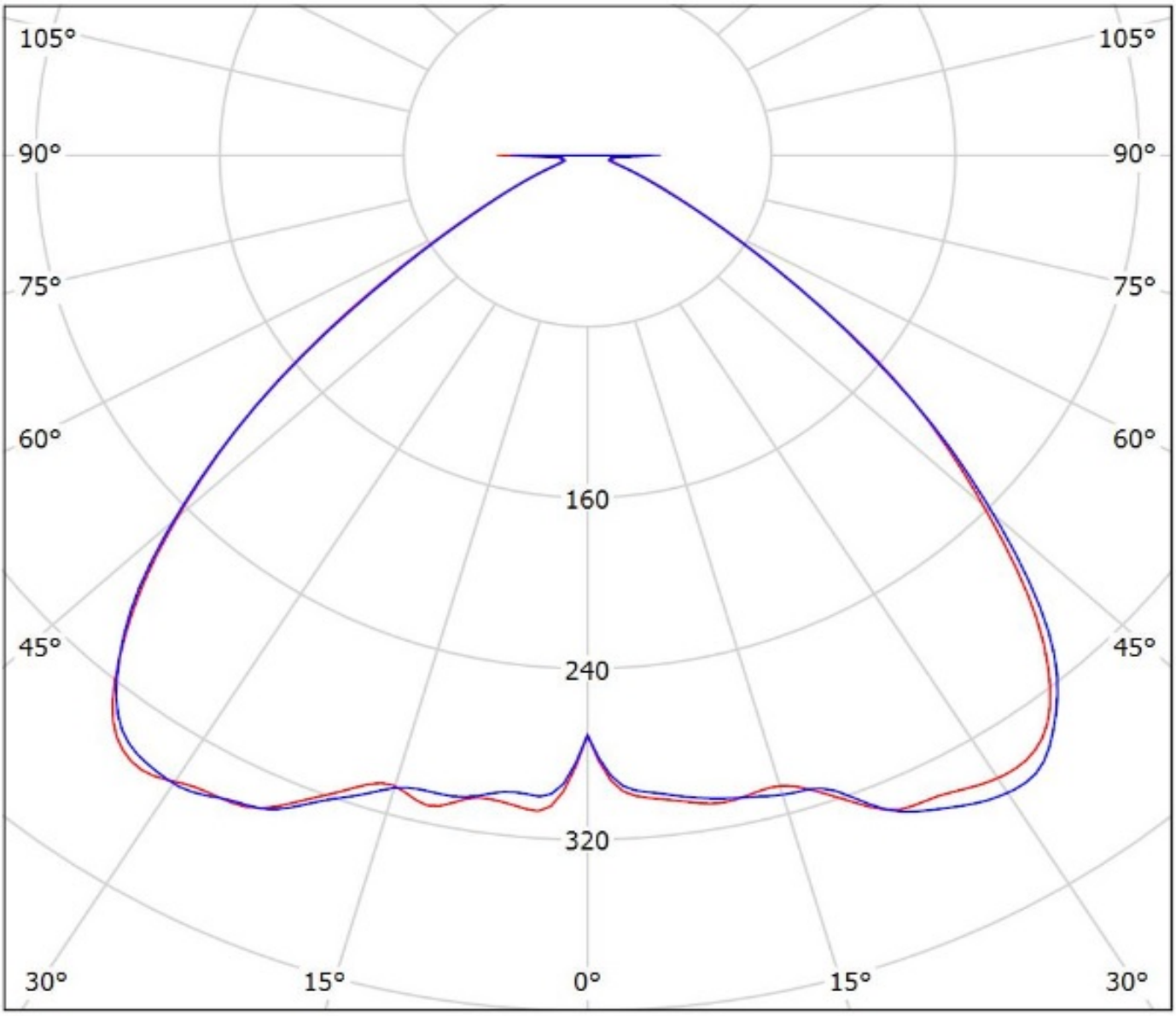
Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Bridgelux_5050_Gen2)
Lamps: 1 x Bridgelux_5050_Gen2_2x2_(BXEP-57C-435-09B)_1447.45lm@250mA_CCT=5700K_P=8.29761W_I=0.25A



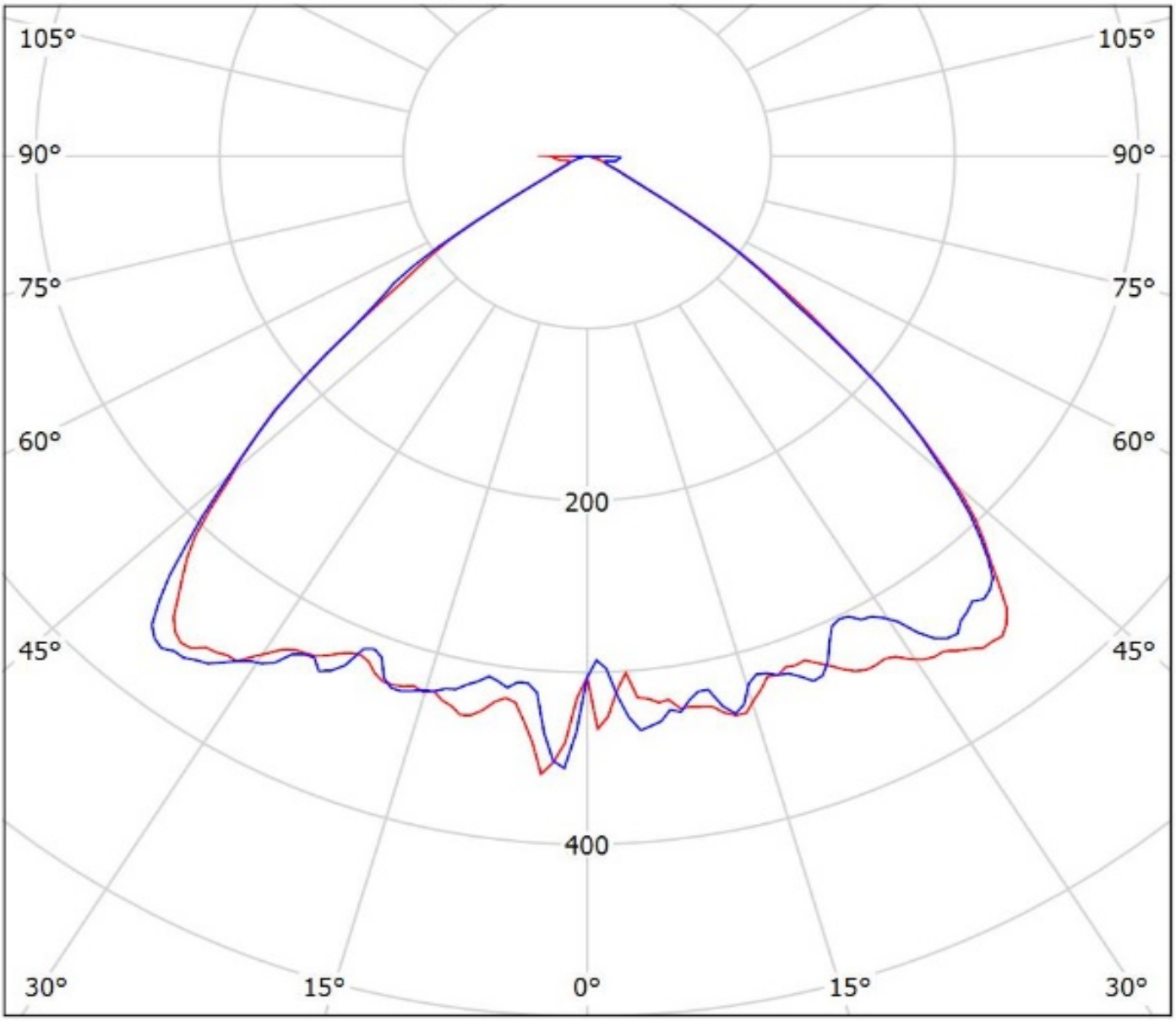
Luminaire: Ledil C14724_HB-2x2-WWW_(XP-G2)
Lamps: 1 x CREE_XP-G2_2x2_(XPGBWT-L1-000-00G51)_419.22lm@250mA_CCT=7181K_P=2.9787W_I=0.25A



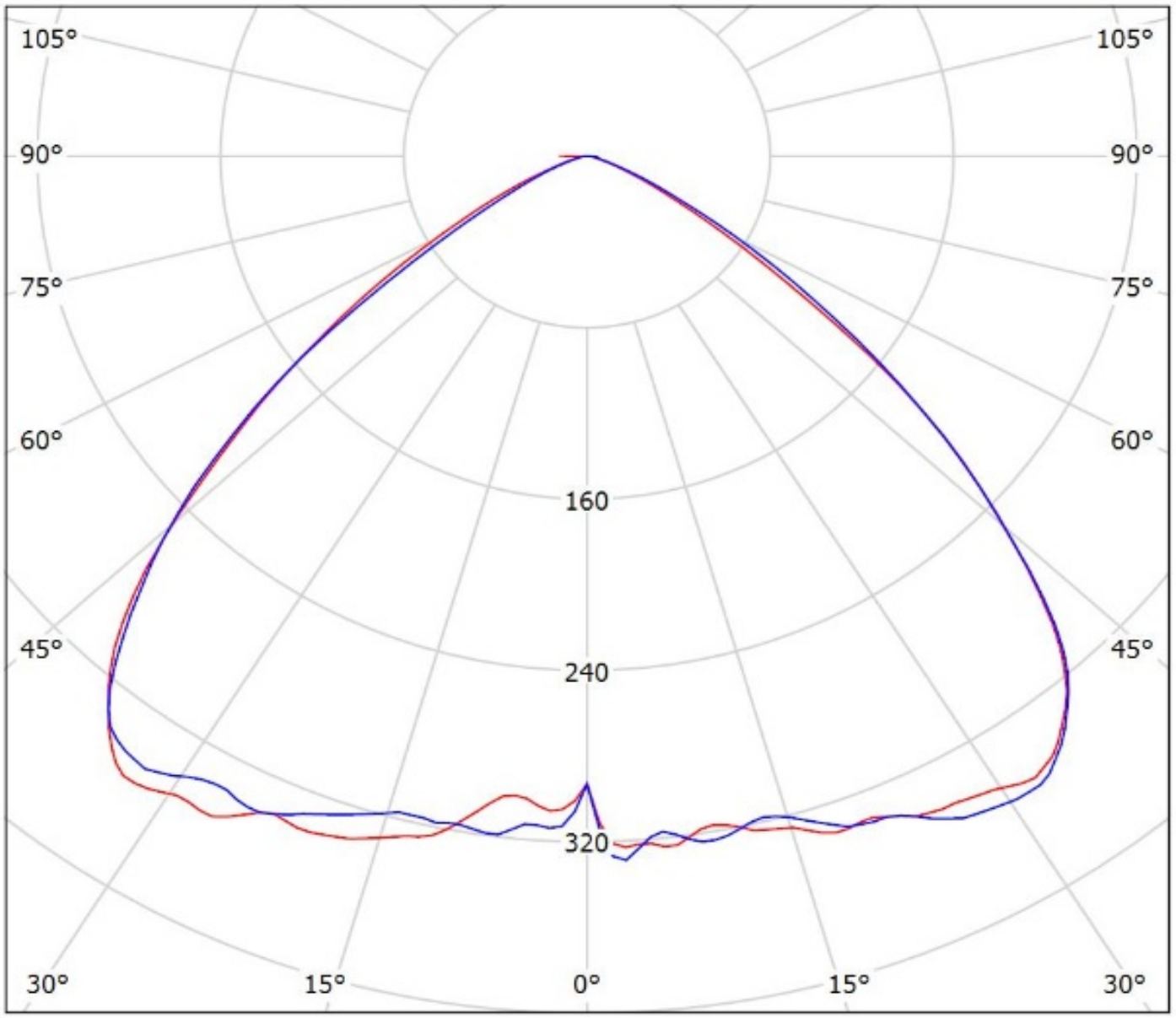
Luminaire: Ledil Oy C14724_HB-2X2-WWW_(XP-G3)_SIMULATED
Lamps: 1 x Cree XP-G3



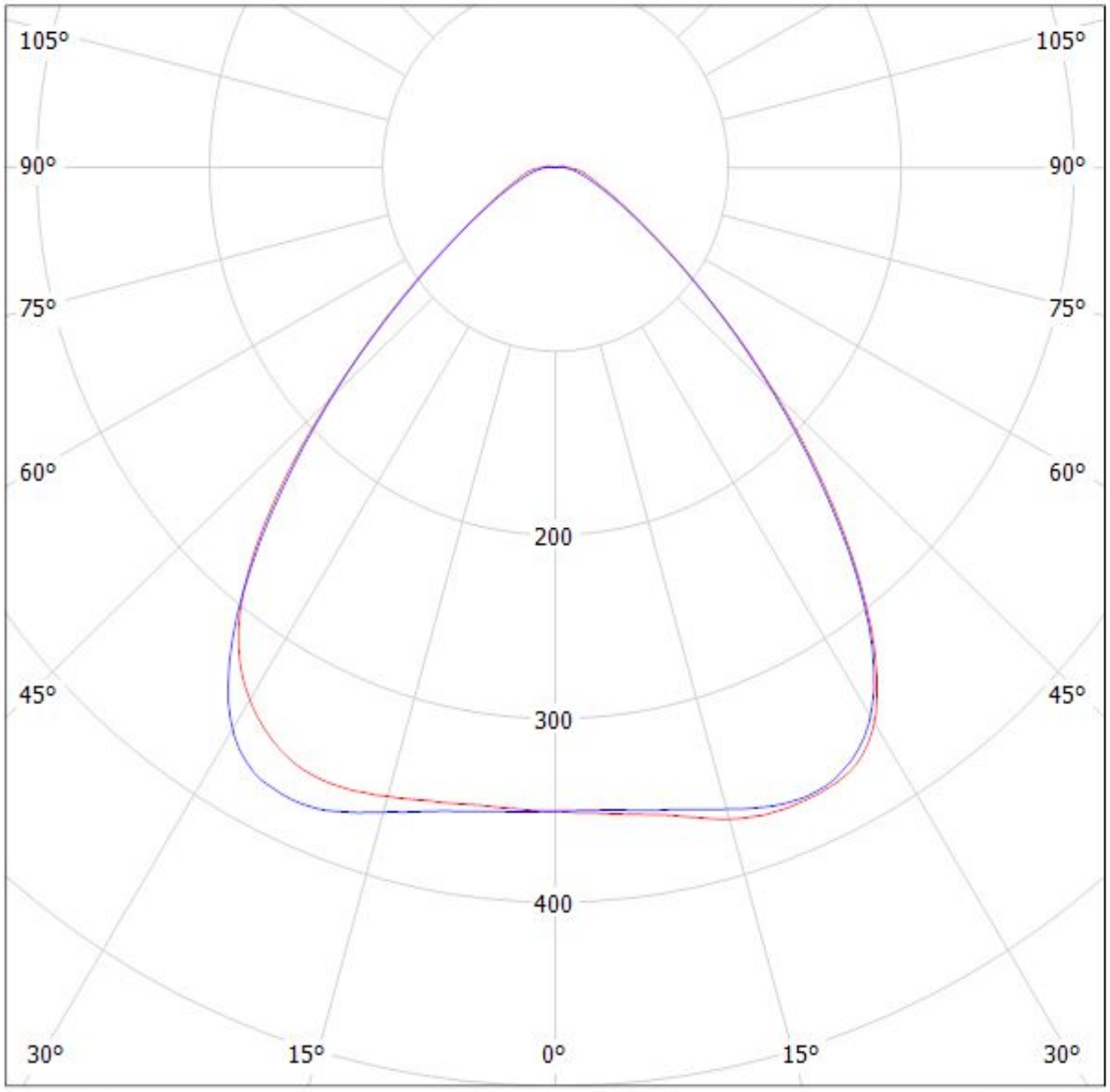
Luminaire: Ledil Oy C14724_HB_2X2_WWW_XPH35HD_SIMULATED
Lamps: 1 x CREE XPH35HD



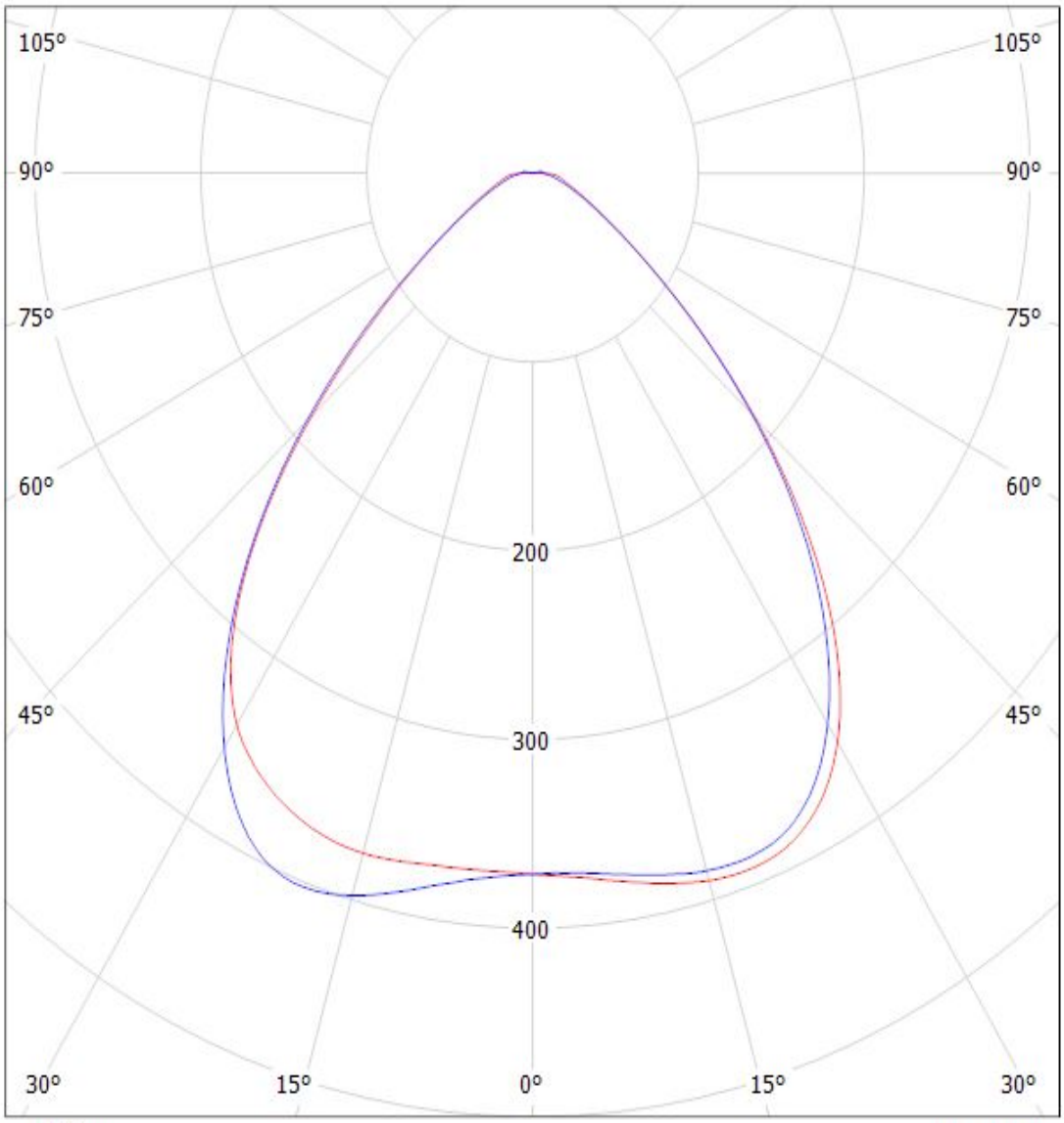
Luminaire: Ledil Oy C14724_HB-2X2-WWW_(XHP35_HI)_SIMULATED
Lamps: 1 x Cree XHP35 HI



Luminaire: Ledil C14724_HB-2X2-WWW_(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 C14724_HB-2X2-WWW_(XD16_Cluster16)
Lamps: 1 x Cree_XD16_2x2cluster_(XD16AWT-H-2B0-S20-0B-002)_1763.39lm@250mA_CCT=5700K_P=10.926W_U=43.738V

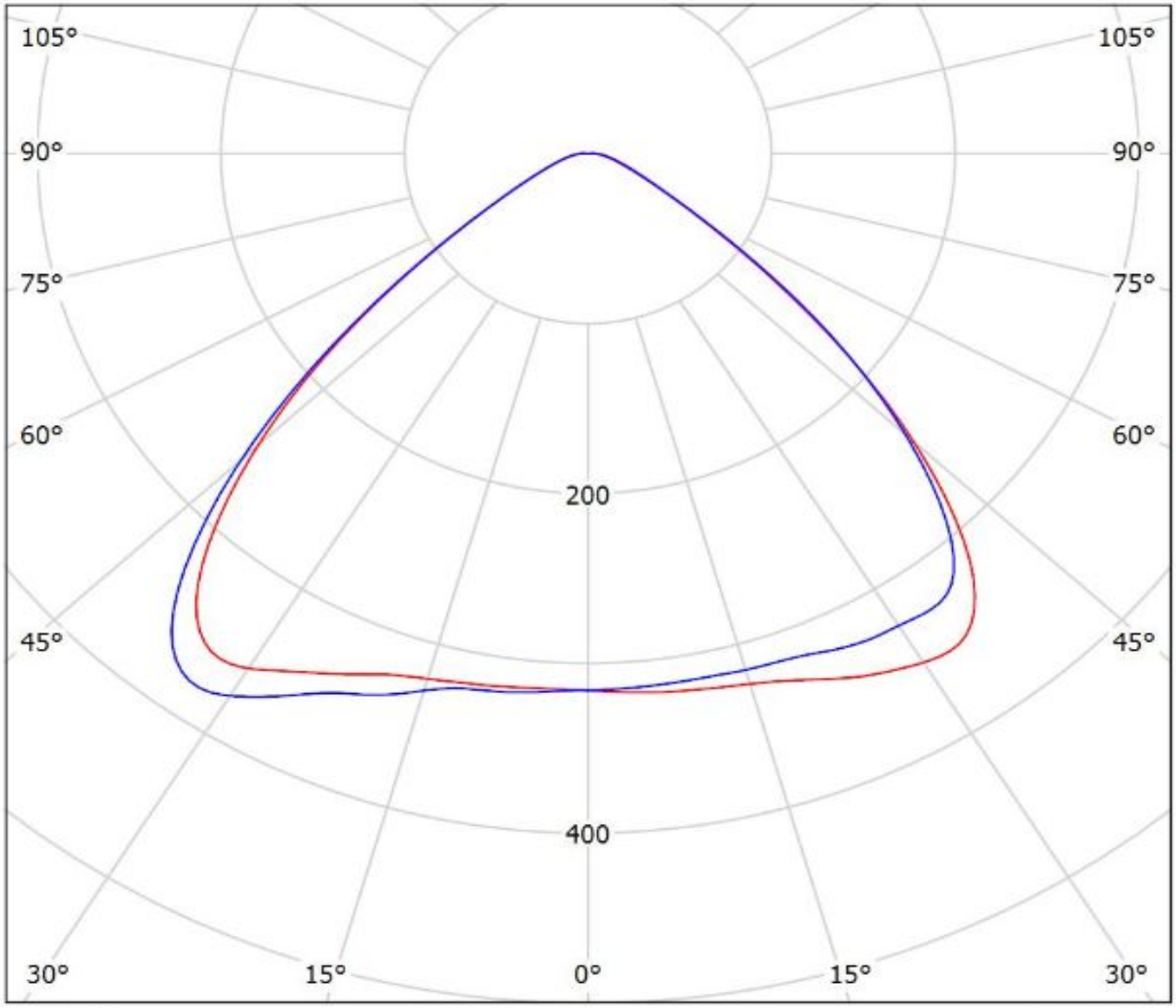


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: Ledil C14724_HB-2X2-WWW_(H35C1)
Lamps: 1 x LG_H35C1_2x2_477.216lm@250mA_P=2.87475W_I=0.250A

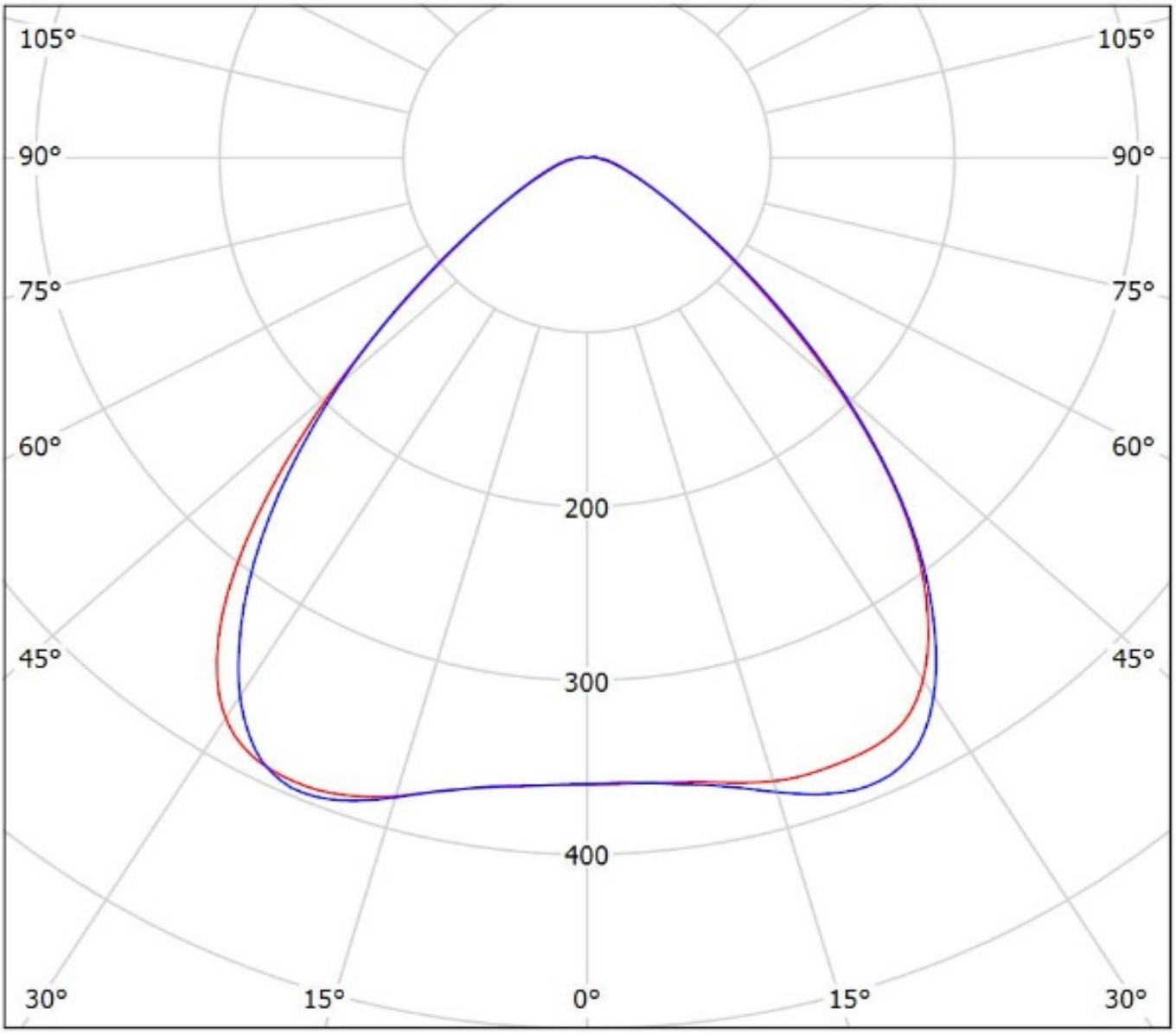


cd/klm

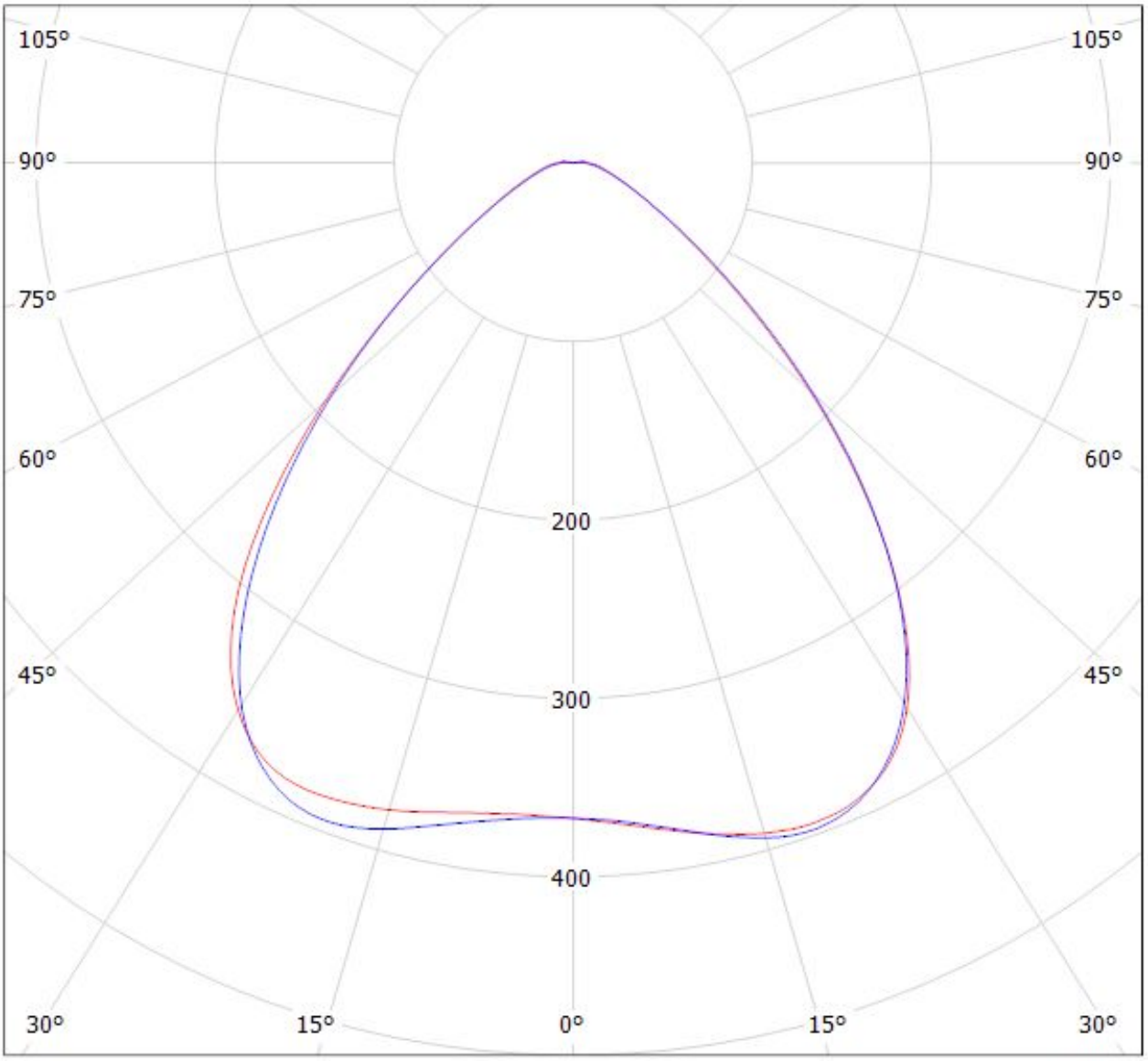
η = 94%

C0 - C180 C90 - C270

Luminaire: Ledil C14724_HB-2X2-WWW_(Luxeon_MZ)
Lamps: 1 x Philips_Lumileds_Luxeon_MZ_(LMZ7-QW57)_(2x2)_427.268lm@250mA_P=2.734W_I=0.2500A



Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Luxeon_5050)
Lamps: 1 x Luxeon_5050_2x2_1270.76lm@80mA_CCT=5700K_P=7.35815W_I=0.080A_70CRI

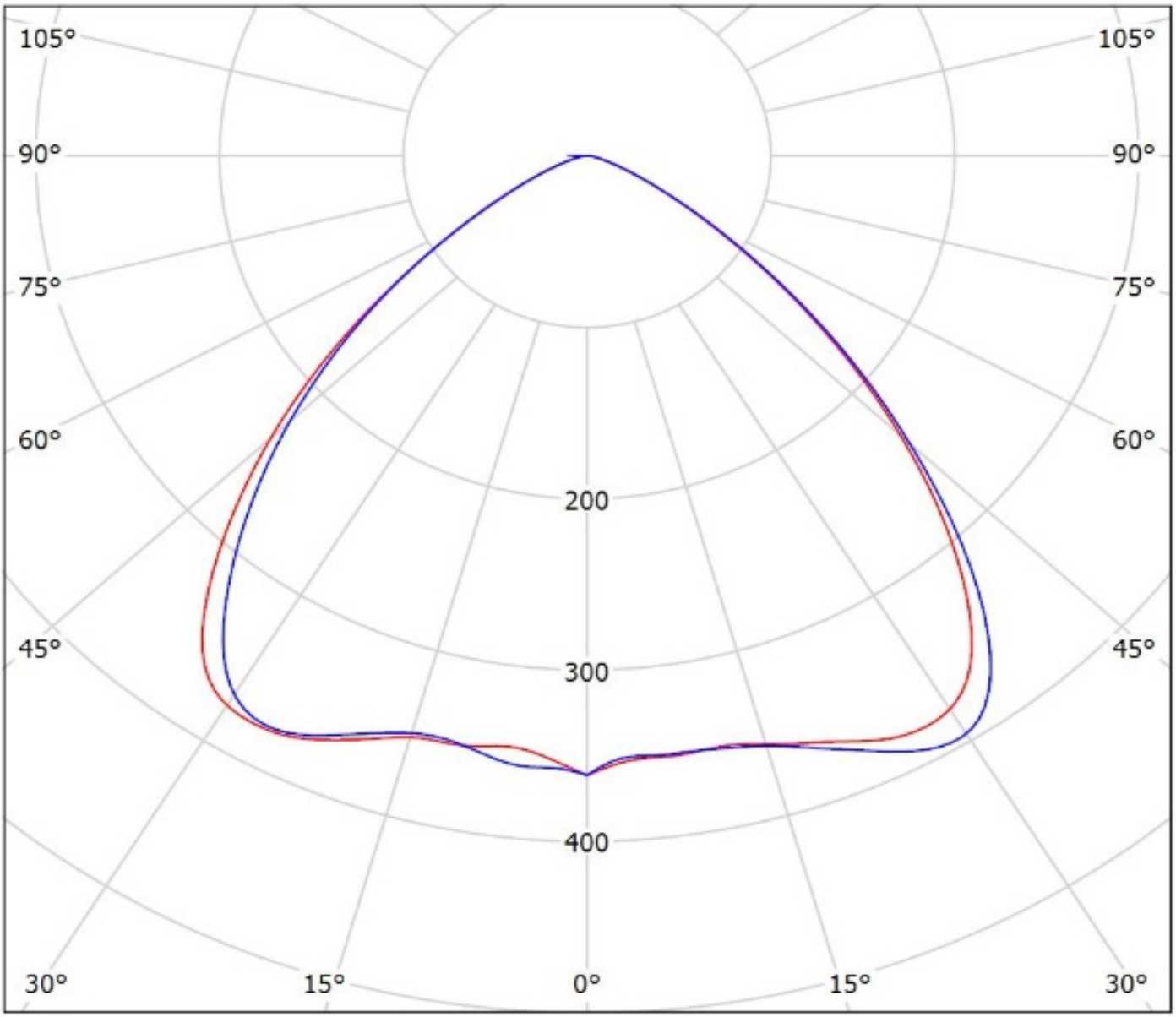


cd/klm

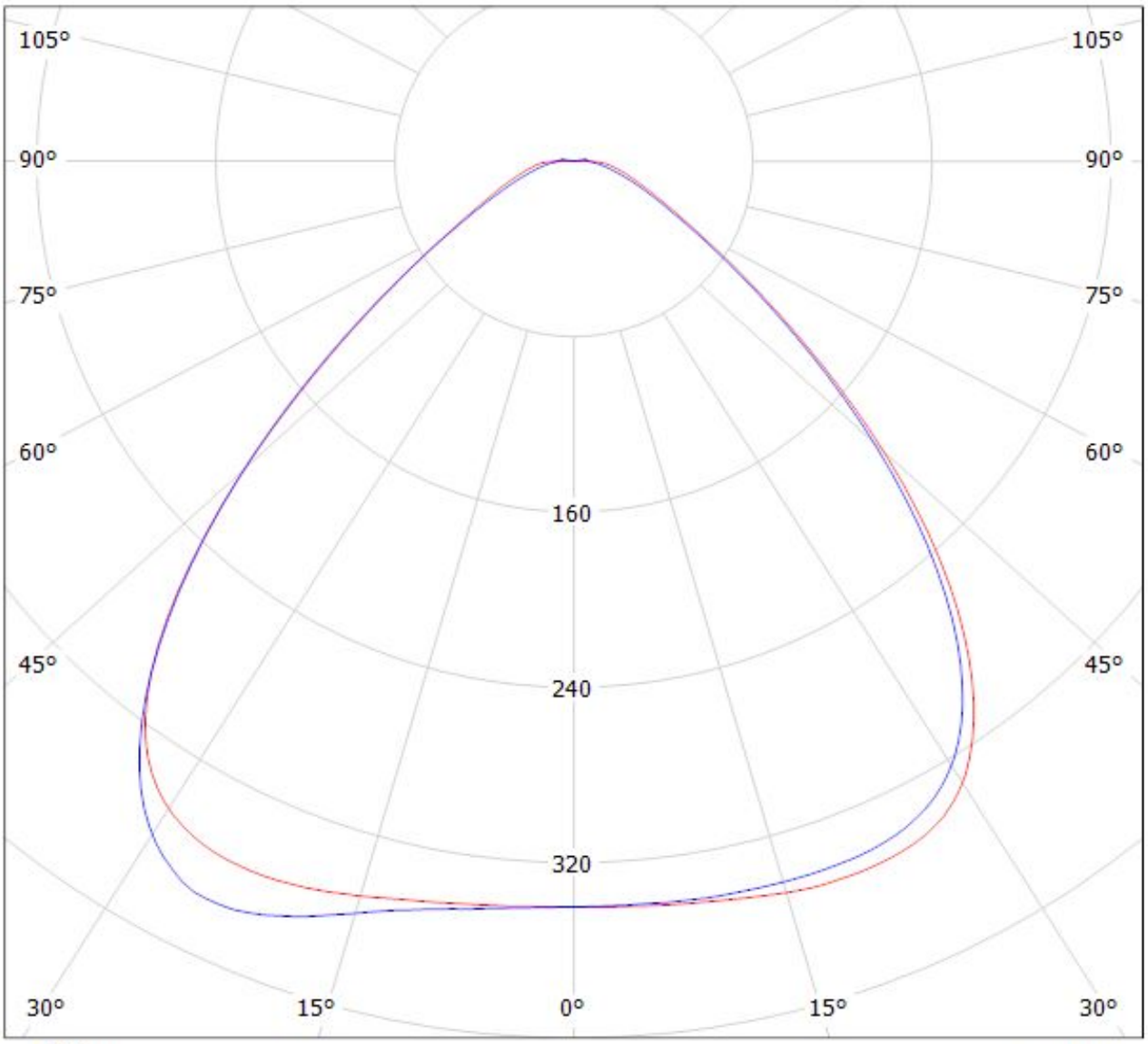
η = 93%

C0 - C180 C90 - C270

Luminaire: Ledil Oy C14724_HB-2X2-WWW_(Luxeon_3535L)_SIMULATED
Lamps: 1 x Lumileds Luxeon 3535L



Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Luxeon_V)
Lamps: 1 x Lumileds_Luxeon_V_2x2_488.501lm@250mA_CCT=4000K_P=2.75155W_I=0.250A

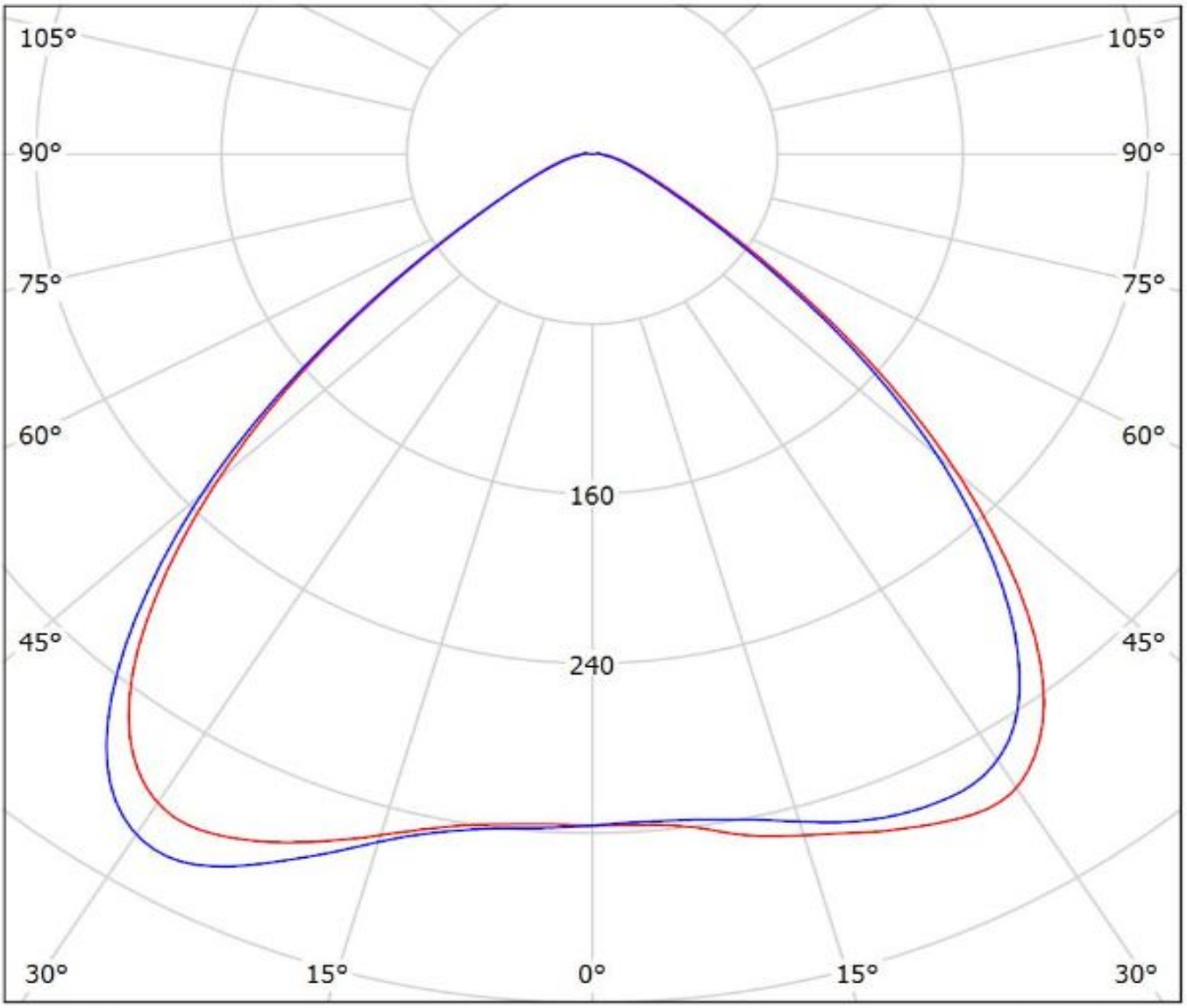


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(NVSW3x9A)
Lamps: 1 x Nichia_NVSW3x9A_(sm405/R70)_483.482lm_P=2.75904W_I=0.250A

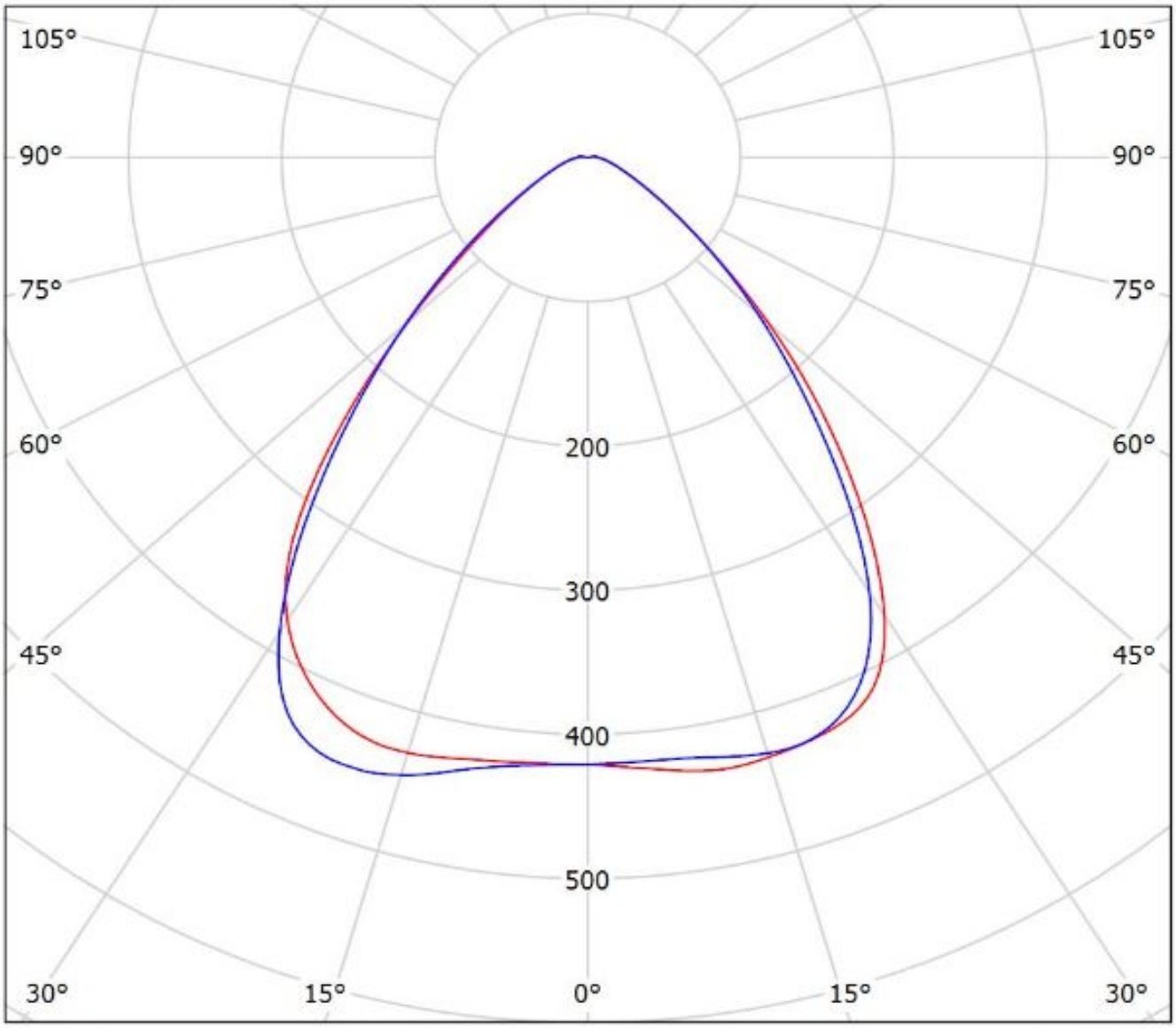


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(E21A)
Lamps: 1 x Nichia_E21A_452.248lm@250mA_2.805W_I=0.250A

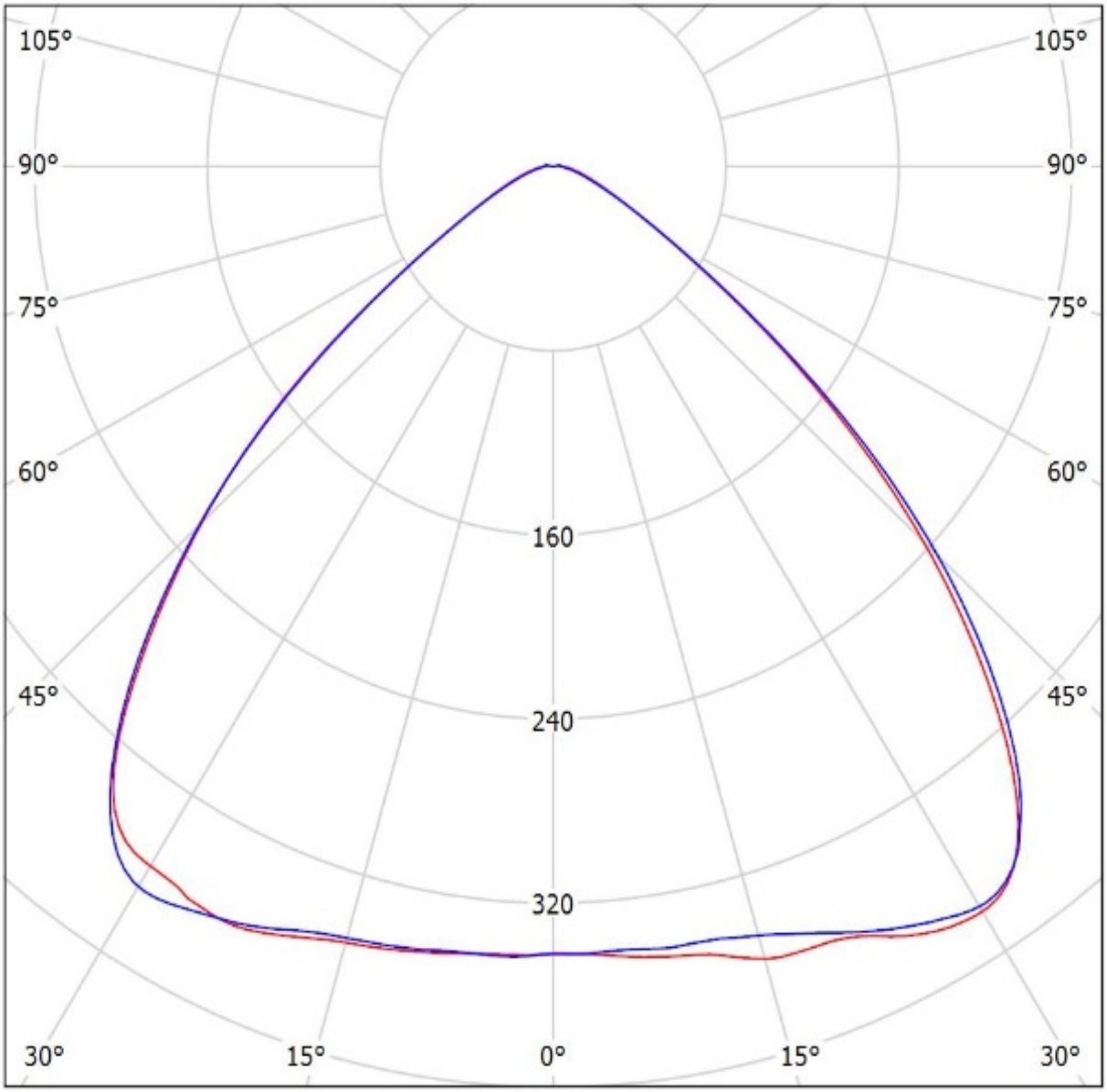


cd/klm

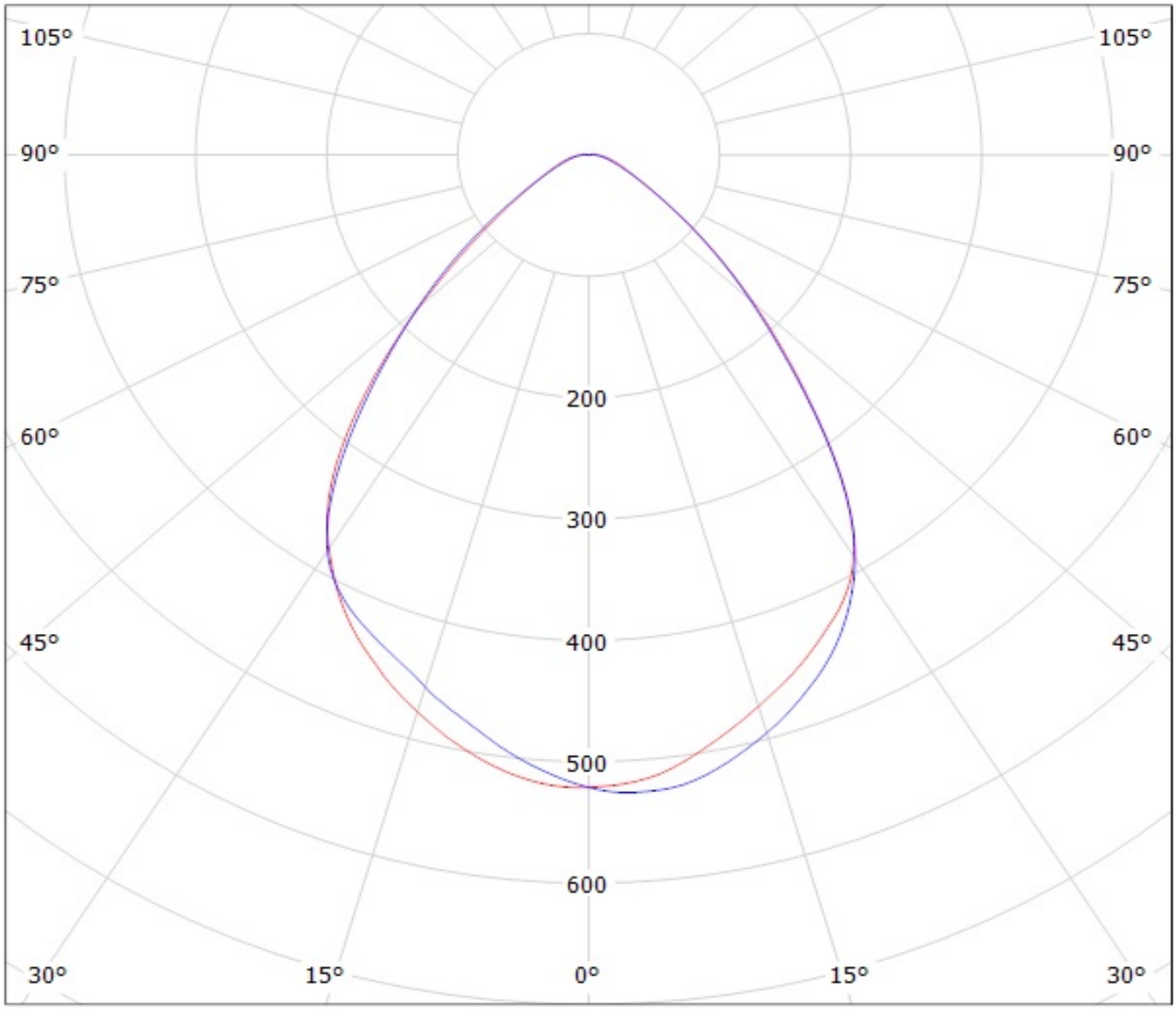
η = 92%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Oslon_Square)
Lamps: 1 x Osram_Oslon_Square_(LCW_CQAR.PC-MSMU-5H71-1)_(2x2)_390.793lm@250mA_P=2.96631W_I=0.2499A



Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Oslon_SSL80_2x2)
Lamps: 1 x Oslon_SSL80_2x2_308.732lm@250mA_P=3.16198W_I=250mA

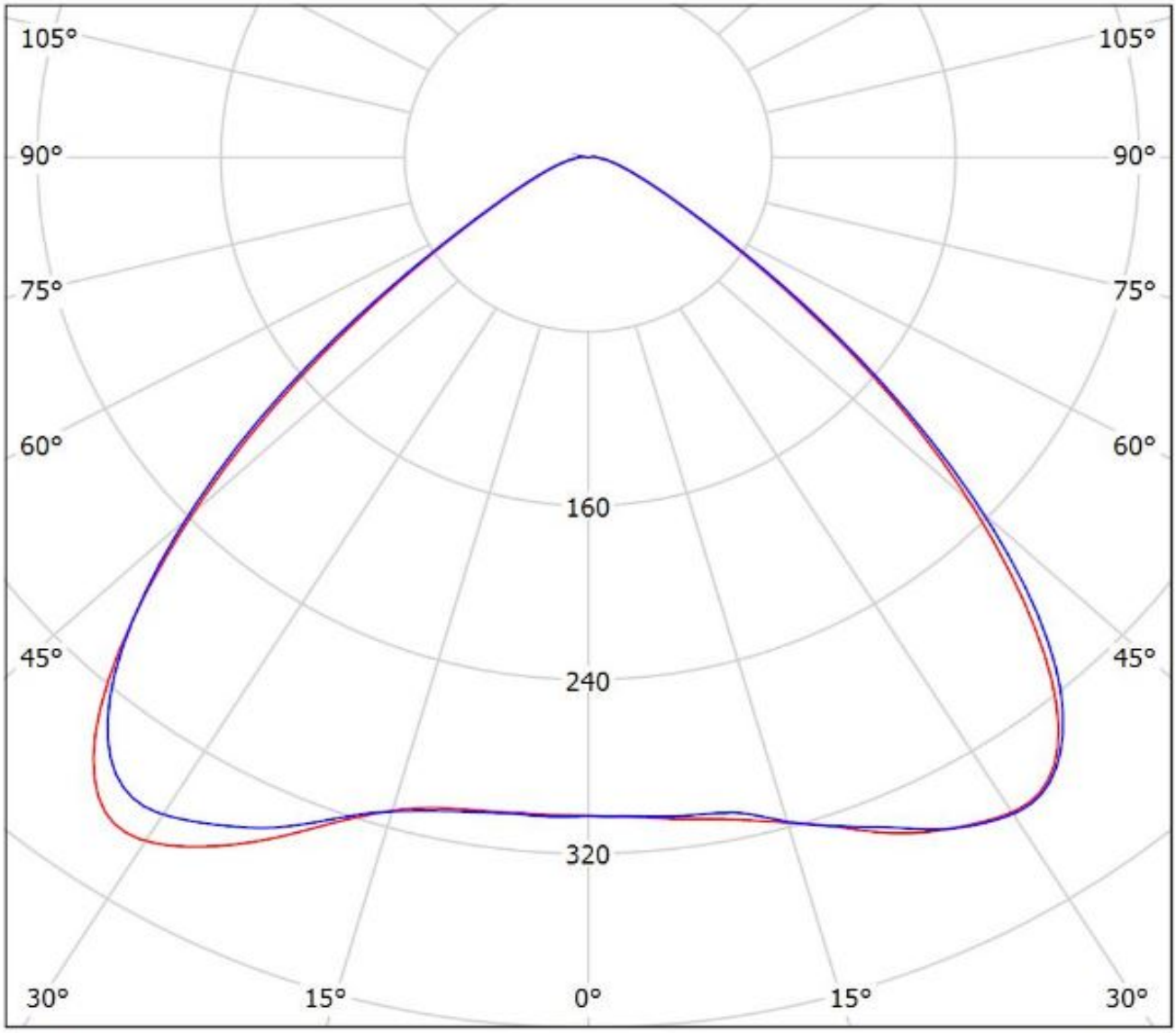


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: Ledil C14724_HB-2X2-WWW_(Square_Gen3)
Lamps: 1 x Osram_Square_Gen3_(GW_CSSRM2.PM)_461.082lm@250mA_P=2.79075W_I=0.250A

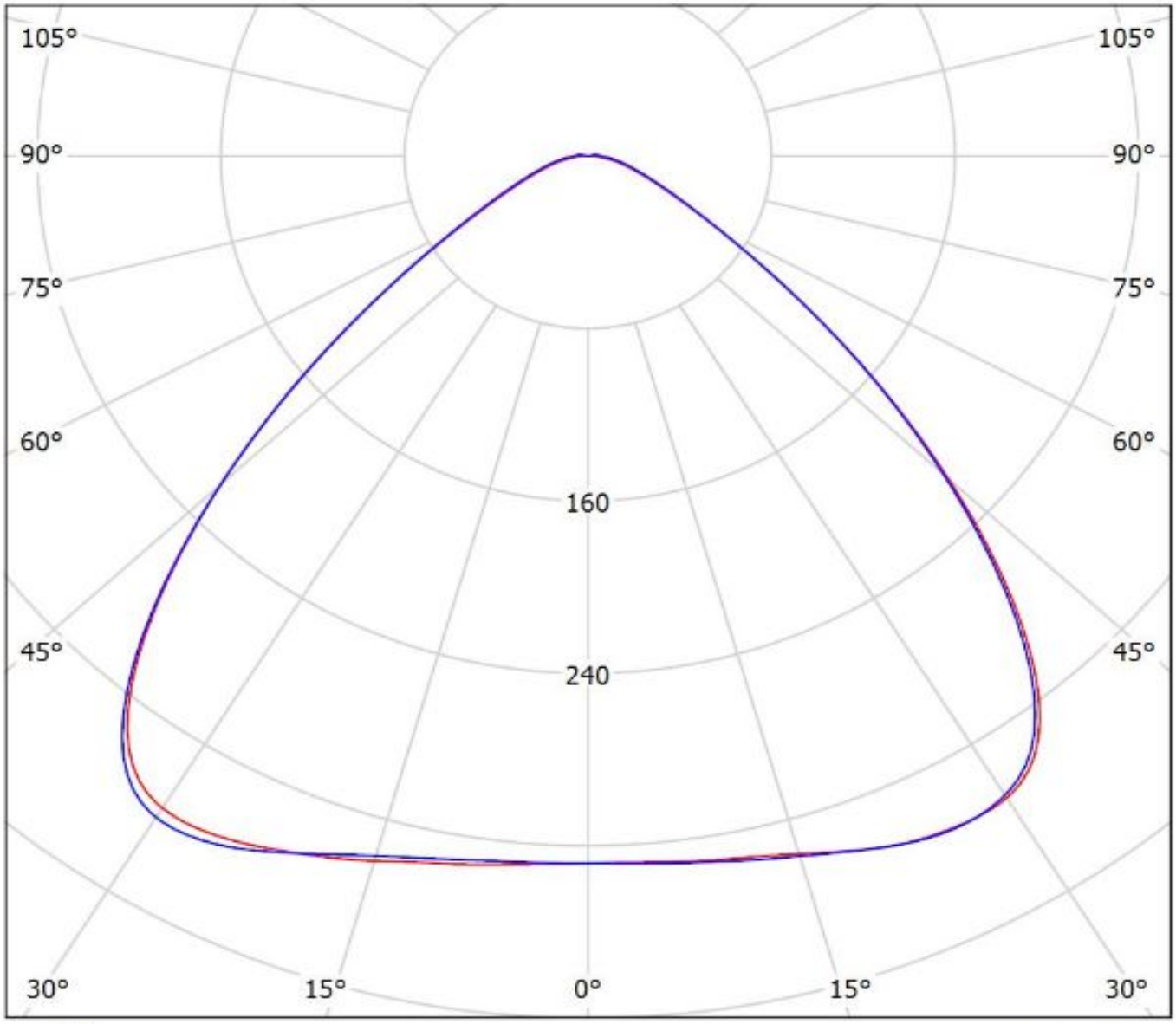


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: Ledil C14724_HB-2X2-WWW_(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

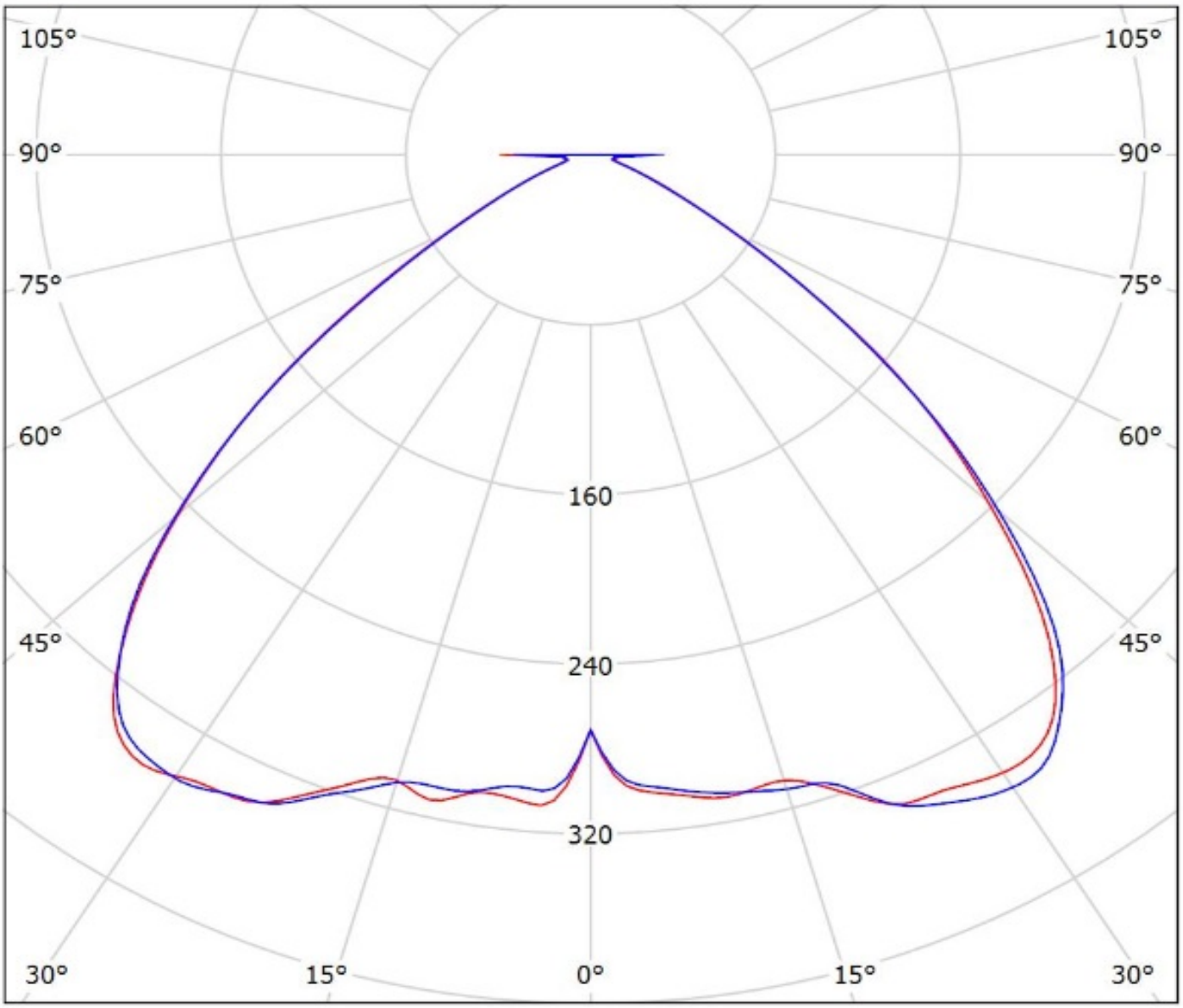


cd/klm

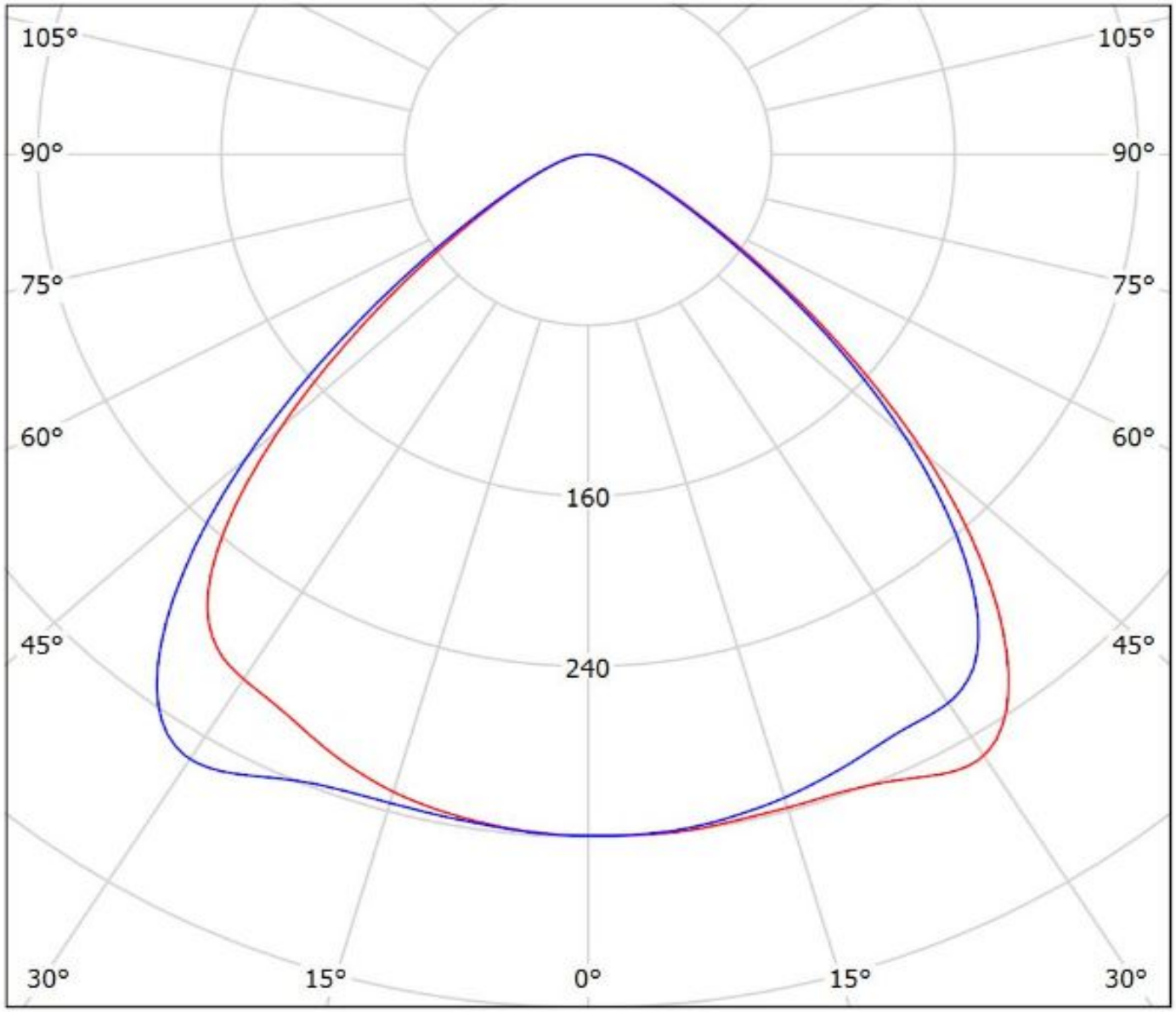
η = 92%

C0 - C180 C90 - C270

Luminaire: Ledil Oy C14724_HB-2X2-WWW_(Fortimo FastFlex LED board 2x8 DAX G4)_SIMULATED
Lamps: 1 x (Fortimo FastFlex LED board 2x8 DAX G4)



Luminaire: Ledil C14724_HB-2X2-WWW_(LH351B)
Lamps: 1 x Samsung_LH351B_2x2_444.178lm@250mA_P=2.8535W_I=0.25A

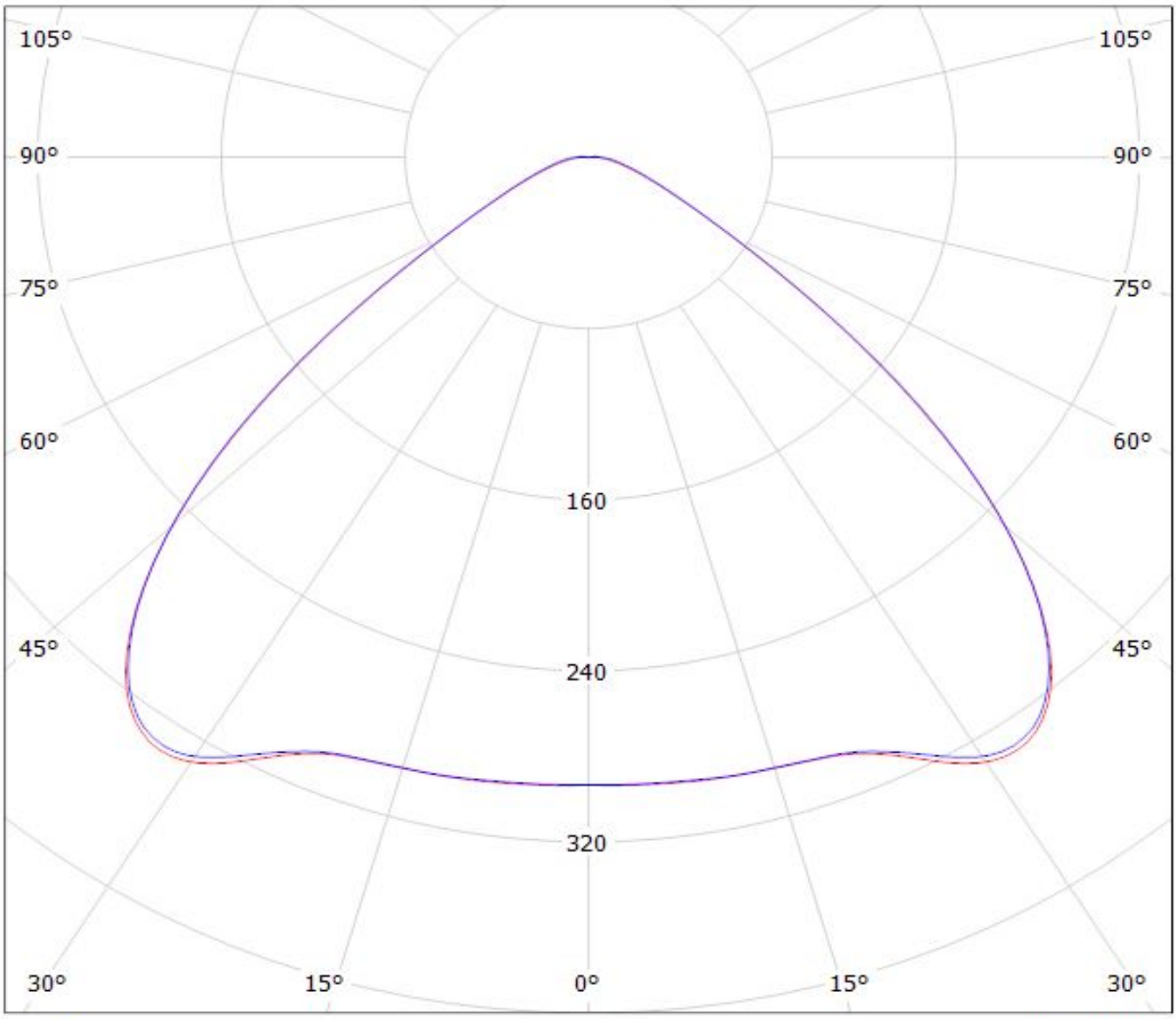


cd/klm

η = 81%

C0 - C180 C90 - C270

Luminaire: Ledil C14724_HB-2X2-WWW_(LH351D)
Lamps: 2 x Samsung_LH351D_536.957lm@250mA_P=2.7695W_I=0.250A

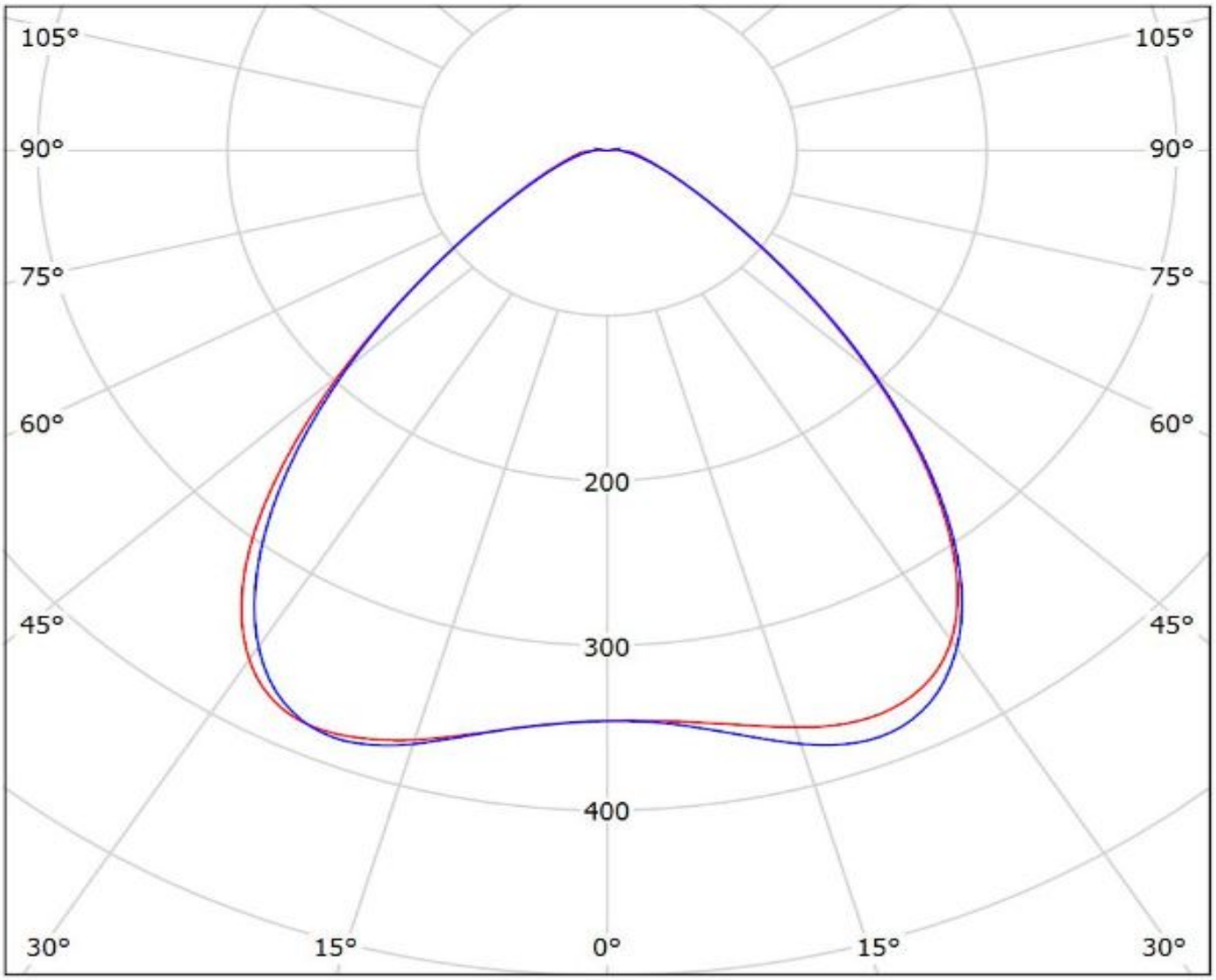


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: Ledil C14724_HB-2X2-WWW_(LH508A)
Lamps: 1 x Samsung_LH508A_2x2_2060.04lm@160mA_CCT=5000K_CRI=80_P=15.5405W_I=0.16A

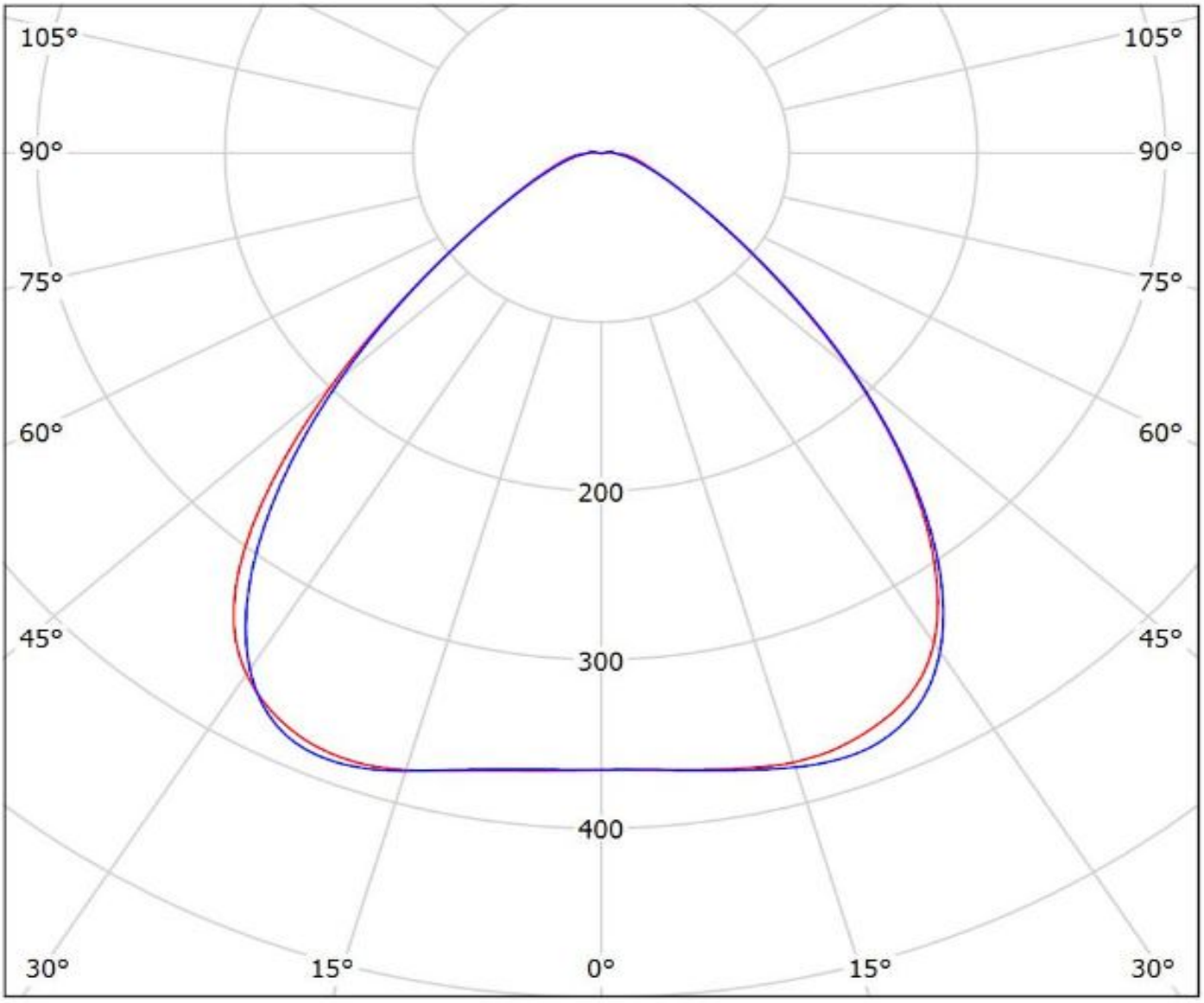


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: Ledil C14724_HB-2X2-WWW_(Z8Y22plus)
Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_513.996lm@250mA_P=2.754W_I=0.250A

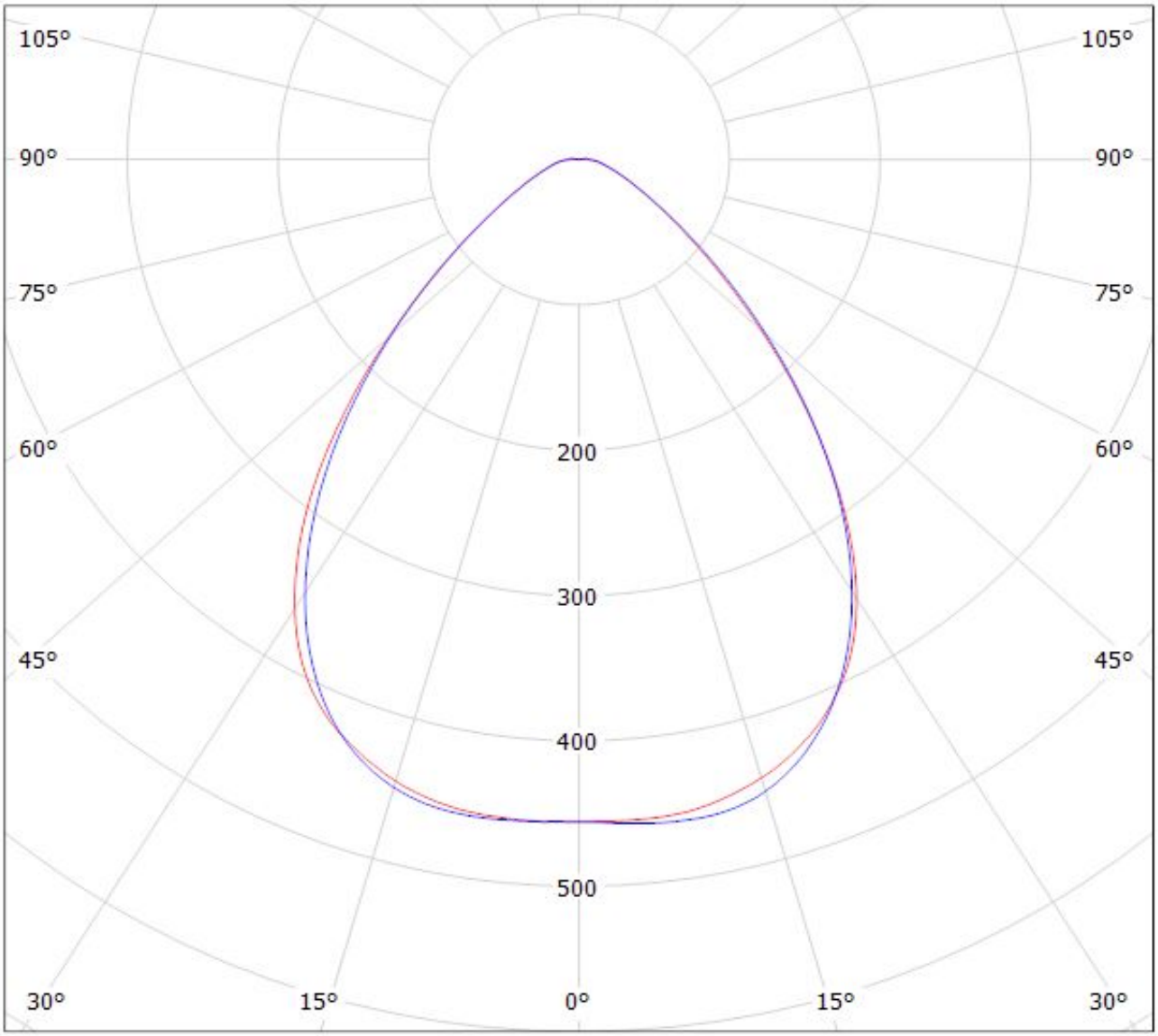


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Z8Y19_2x2Cluster)
Lamps: 1 x Seoul_Z8Y19_2x2Cluster_(SMJQ-D64WW16AA-XX)_1926.91lm@250mA_P=11.1416W_I=0.250A

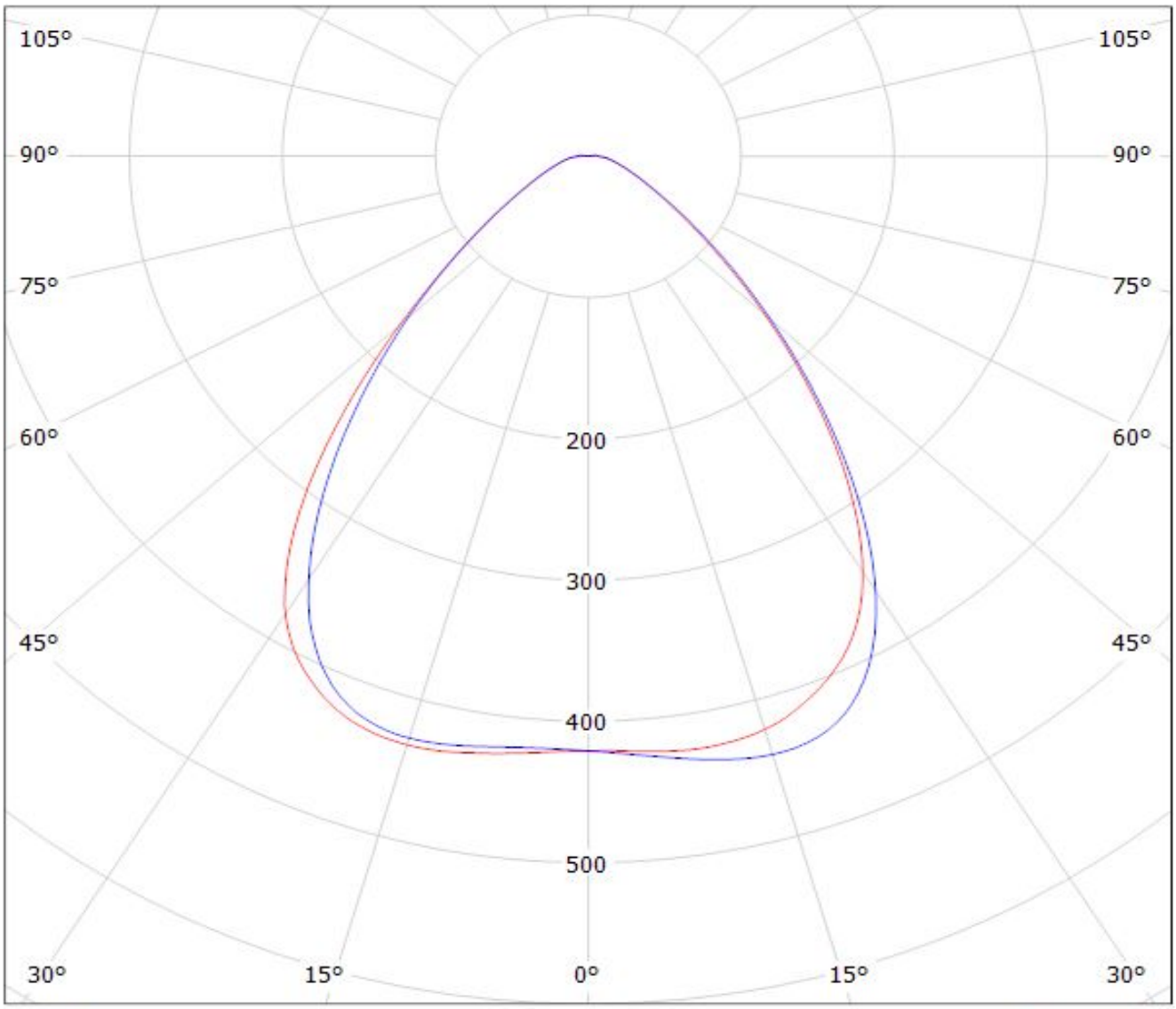


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Z8Y22)
Lamps: 1 x Seoul_Wicop_Z8Y22_497.373lm@250mA_P=2.80076W_U=11.211V

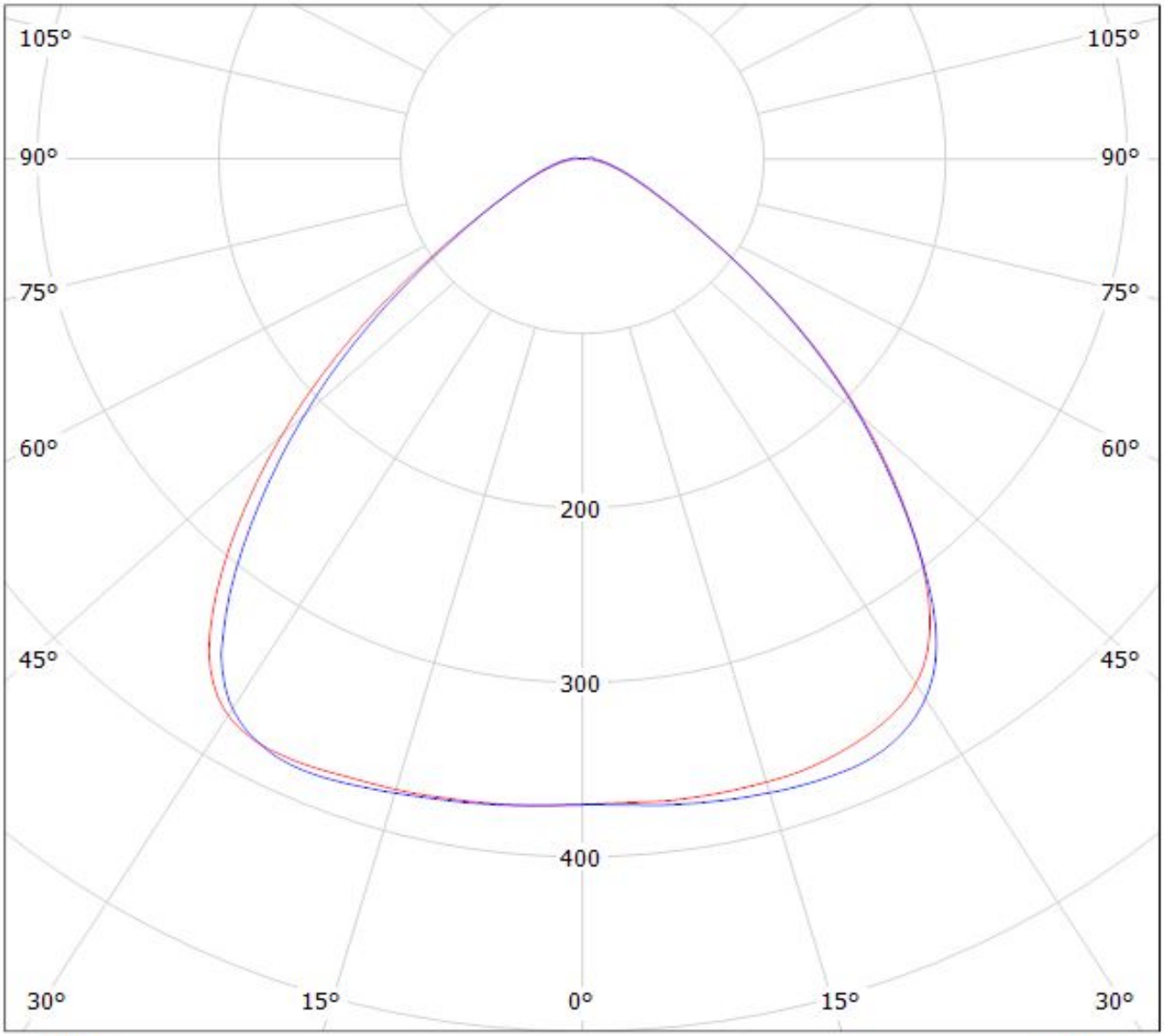


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A

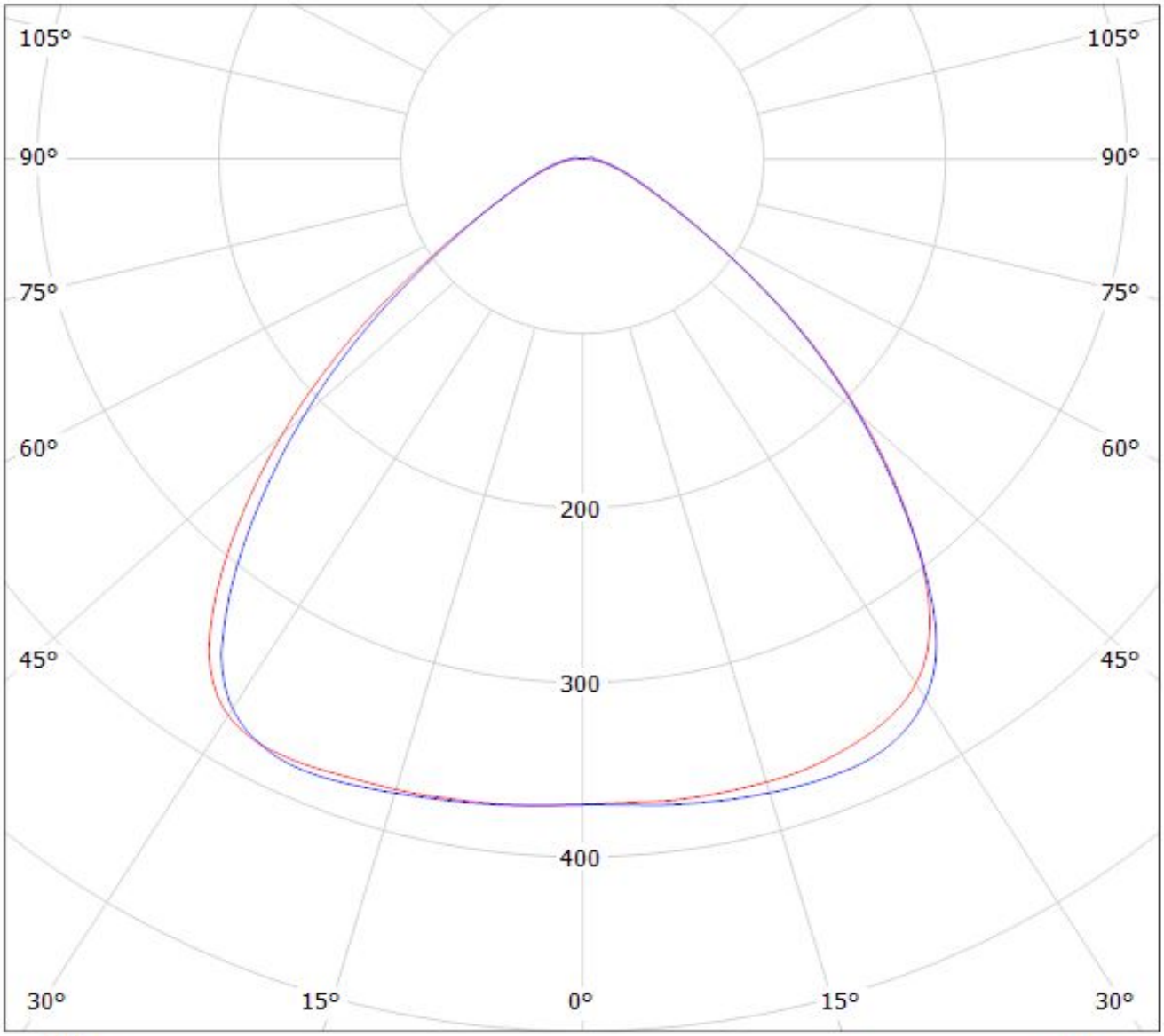


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A

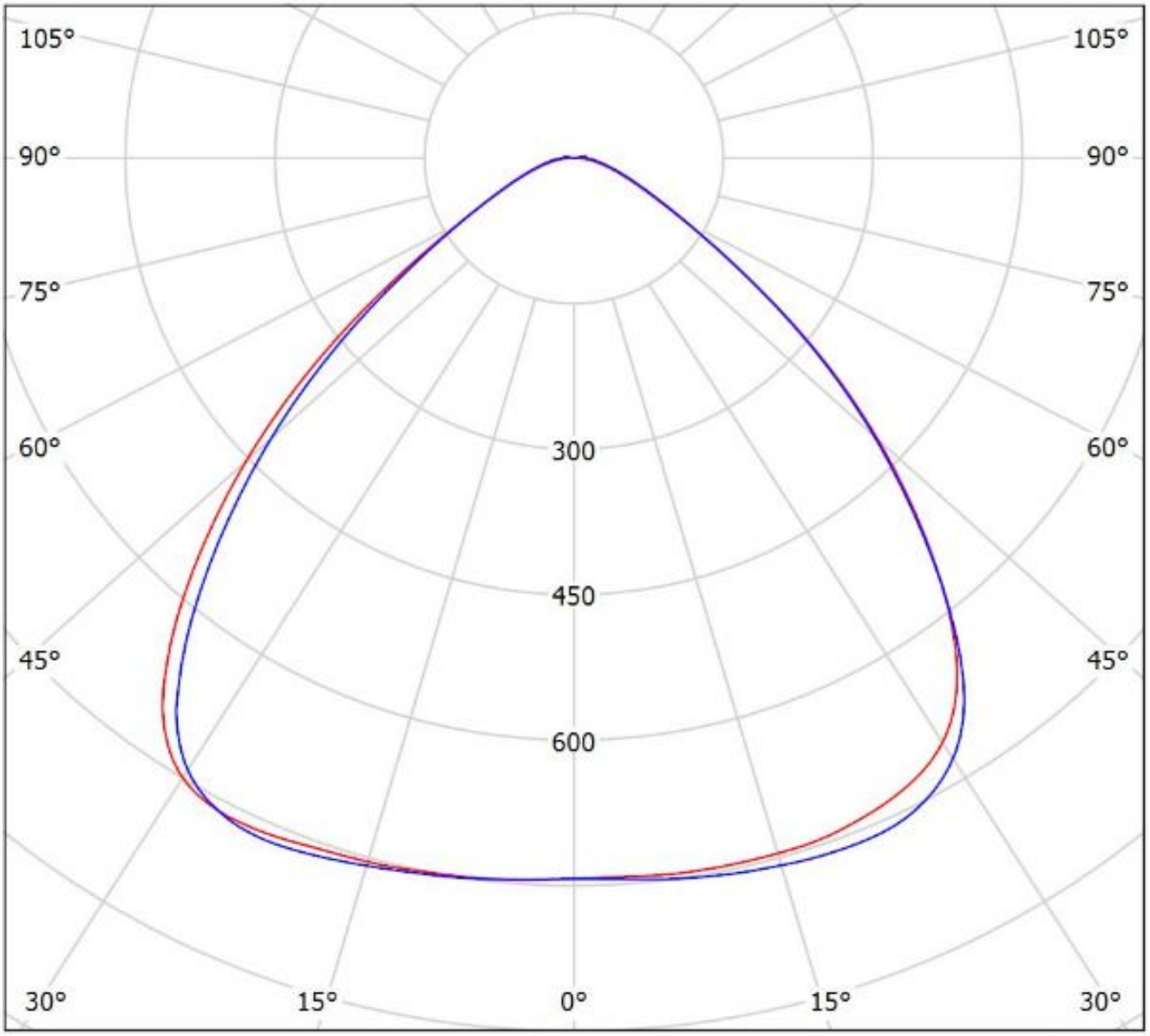


cd/klm

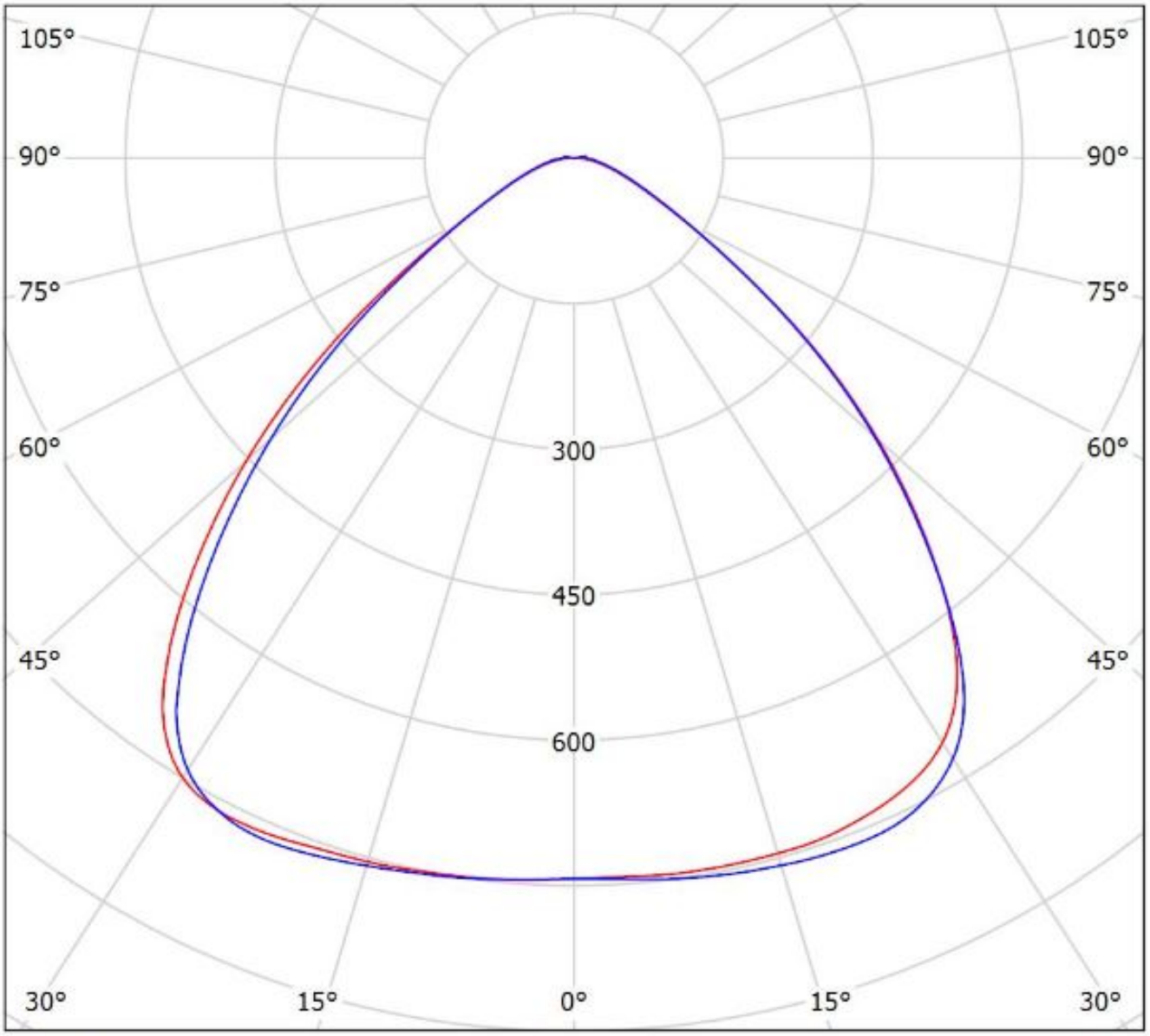
η = 93%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_2288lm@700mA_P=16W_I=0.700A



Luminaire: LEDiL Oy C14724_HB-2X2-WWW_(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.