

DETAILS

Product Number	C14606_HB-2X2-WW
Family	High Bay
Type	Lens array
Color	clear
Diameter	50x50 mm
Height	8,5 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	pin, screw
Status	production ready
ROHS Compliant	Yes
Date Updated	21/04/2016



OPTICAL PROPERTIES

LED	Viewing	Light	Effi-	cd/lm	Connector
	Angle	Beam	ciency		
XM-L	66 deg	Very Wide	93 %	0.760	-
XP-L	66 deg	Very Wide	93 %	0.735	-
XM-L2	62 deg	Very Wide	92 %	0.803	-
XP-G3	sim: 71	Very Wide	sim: 94 %	sim: 0.760	-
XP-G2	63 deg	Very Wide	91 %	0.830	-
XP-L2	62 deg	Very Wide	93 %	0.770	-
H35C1 (LEMWA33)	63 deg	Very Wide	92 %	0.820	-
LUXEON 5050	61 deg	Very Wide	94 %	0.820	-
LUXEON MZ	sim: 66	Very Wide	sim: 94 %	sim: 0.880	-
NWSx229A	63 deg	Very Wide	85 %	0.770	-
NVSW3x9A	62 deg	Very Wide	93 %	0.830	-
Duris S8	sim: 52	Very Wide	sim: 91 %	sim: 1.100	-
Oslon Square Gen3	64 deg	Very Wide	92 %	0.820	-
Fortimo FastFlex LED board 2x8/740 DA 63	63 deg	Very Wide	93 %	0.790	-
LH351B	62 deg	Very Wide	86 %	0.830	-
LH351D	62 deg	Very Wide	91 %	0.780	-
Z8Y22P	59 deg	Very Wide	92 %	0.860	-
RLE G1 49x223mm 4000lm xxx EXC OTB1	61 deg	Very Wide	94 %	0.830	-
RLE G1 49x245mm 4000lm xxx EXC OTB1	61 deg	Very Wide	94 %	0.830	-
RLE G1 49x121mm 2000lm xxx EXC OTB1	61 deg	Very Wide	94 %	0.830	-
RLE G1 49x133mm 2000lm xxx EXC OTB1	61 deg	Very Wide	94 %	0.830	-

D

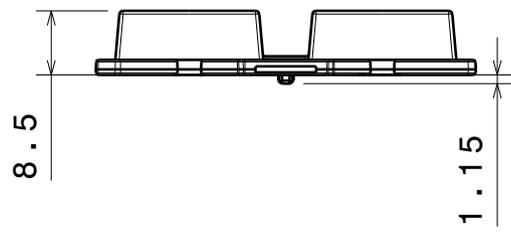
C

B

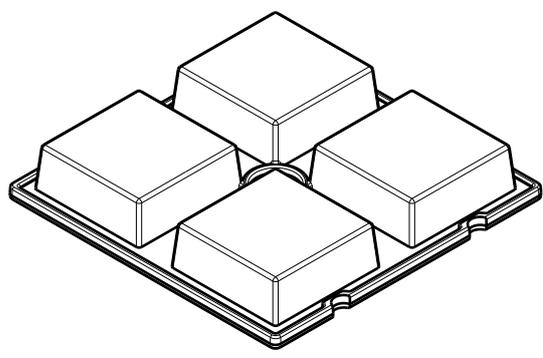
A

4

4



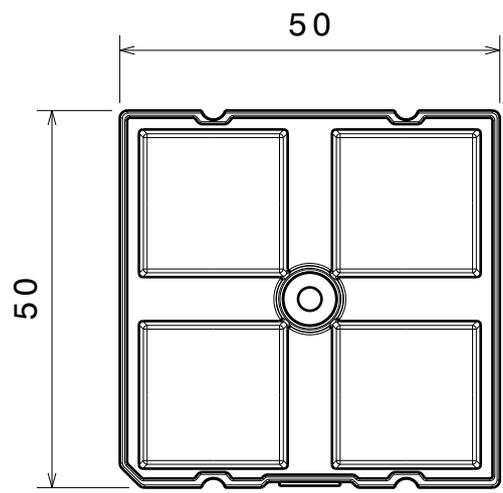
Front view



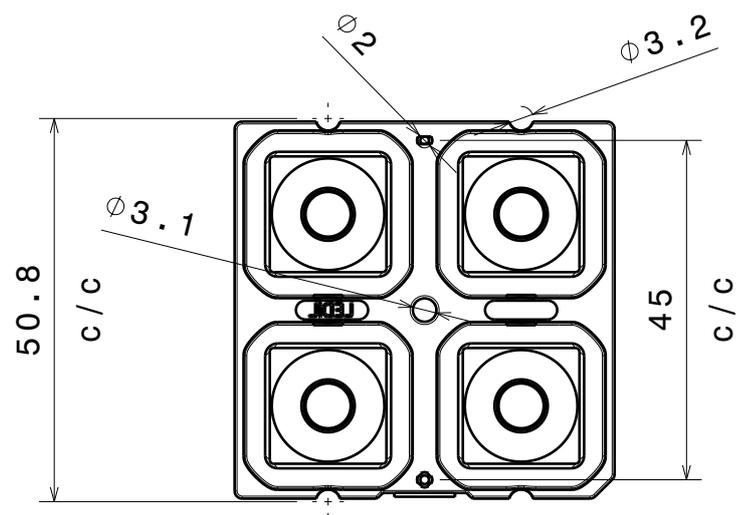
Isometric view

3

3



Top view



Bottom view

2

2

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

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14606	HB-2X2-WW	PMMA	

LEDiL LediL Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
C14606_HB-2X2-WW

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SIZE	PART NUMBER
A4	C14606

SCALE	1:1	WEIGHT	10,53 g	SHEET	1/1
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1

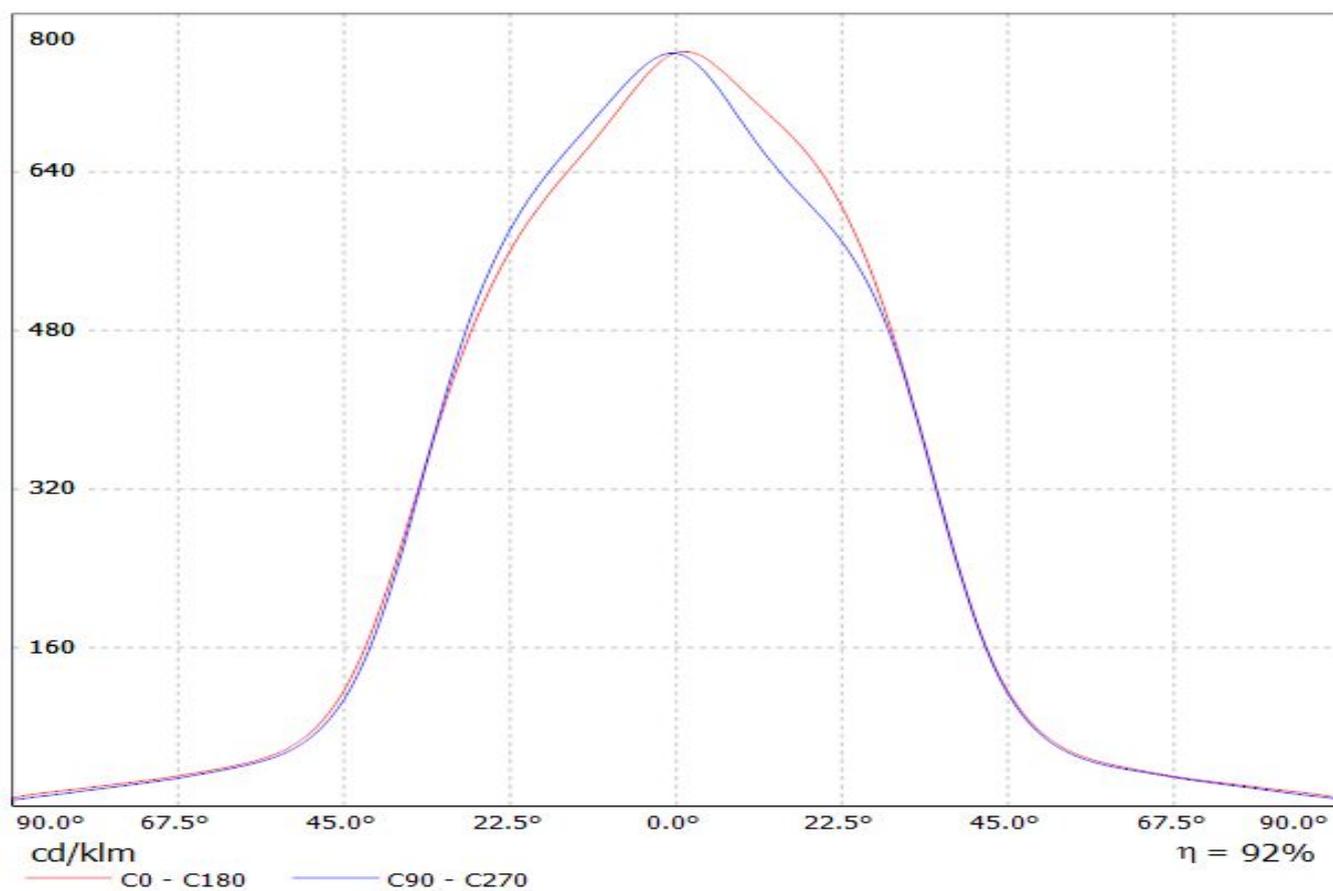
1

D

A

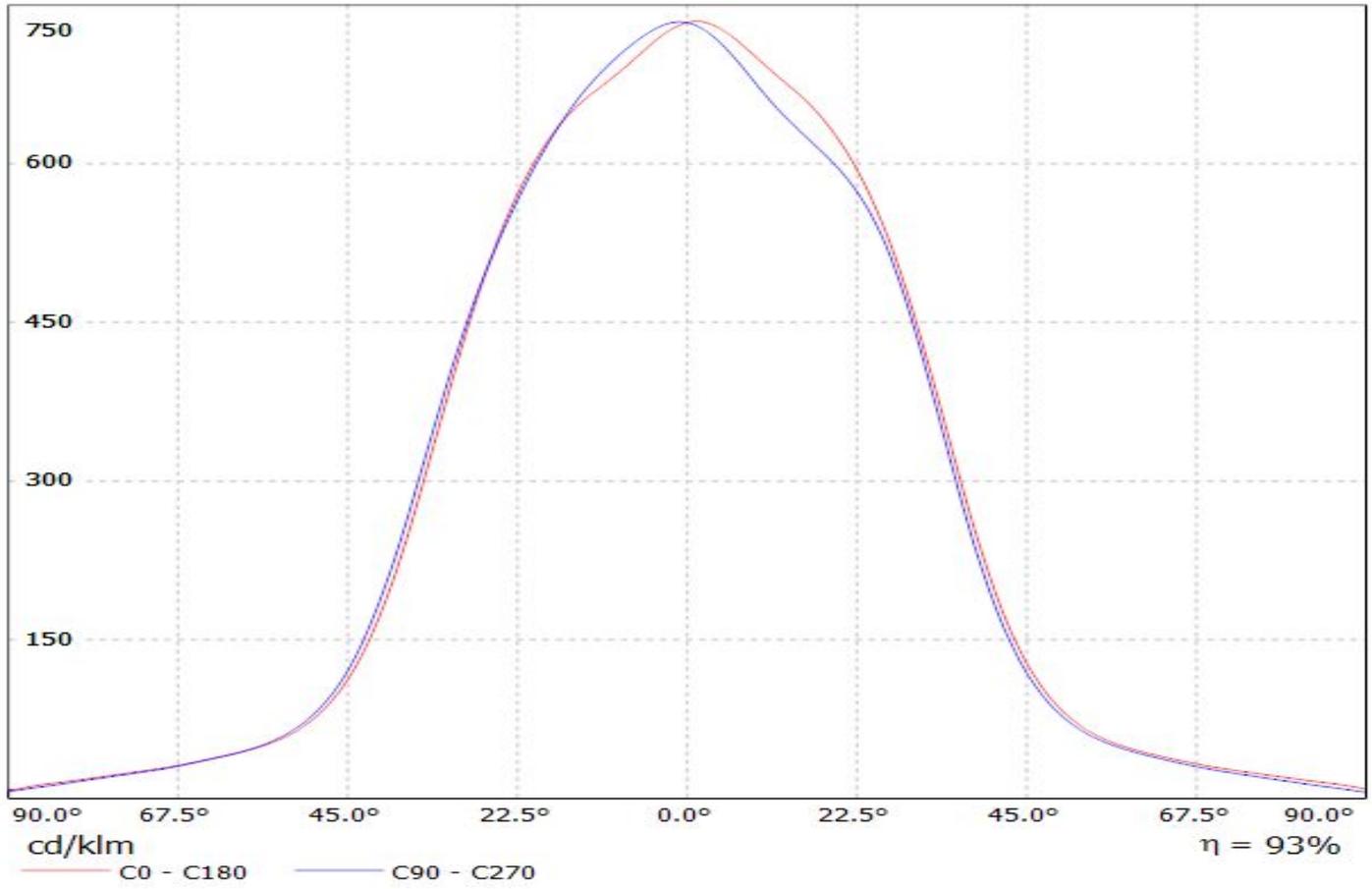
Luminaire: LEDiL Oy C14606_HB-2X2-WW_(XM-L)

Lamps: 1 x Cree_XM-L_2x2_(XMLAWT-00-0000-000LT20E7)_338.257lm@250mA_P=2.75205W_η=0.2498A



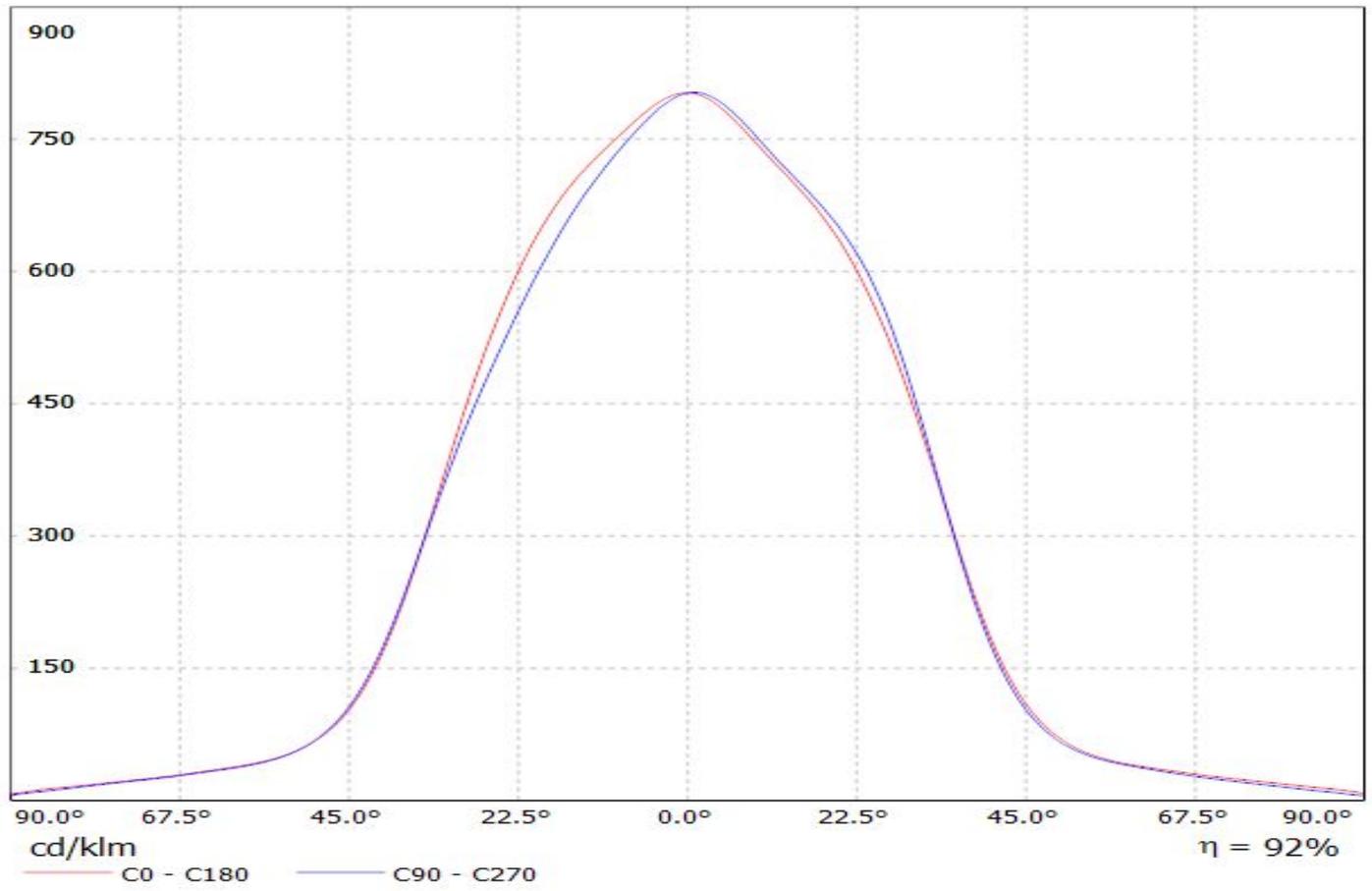
Luminaire: LEDiL Oy C14606_HB-2X2-WW_(XP-L)

Lamps: 1 x Cree_XP-L_(XPLAWT-1B0-V40-00-0001)_496.74lm@250mA_P=2.80138W_I=0.2499A

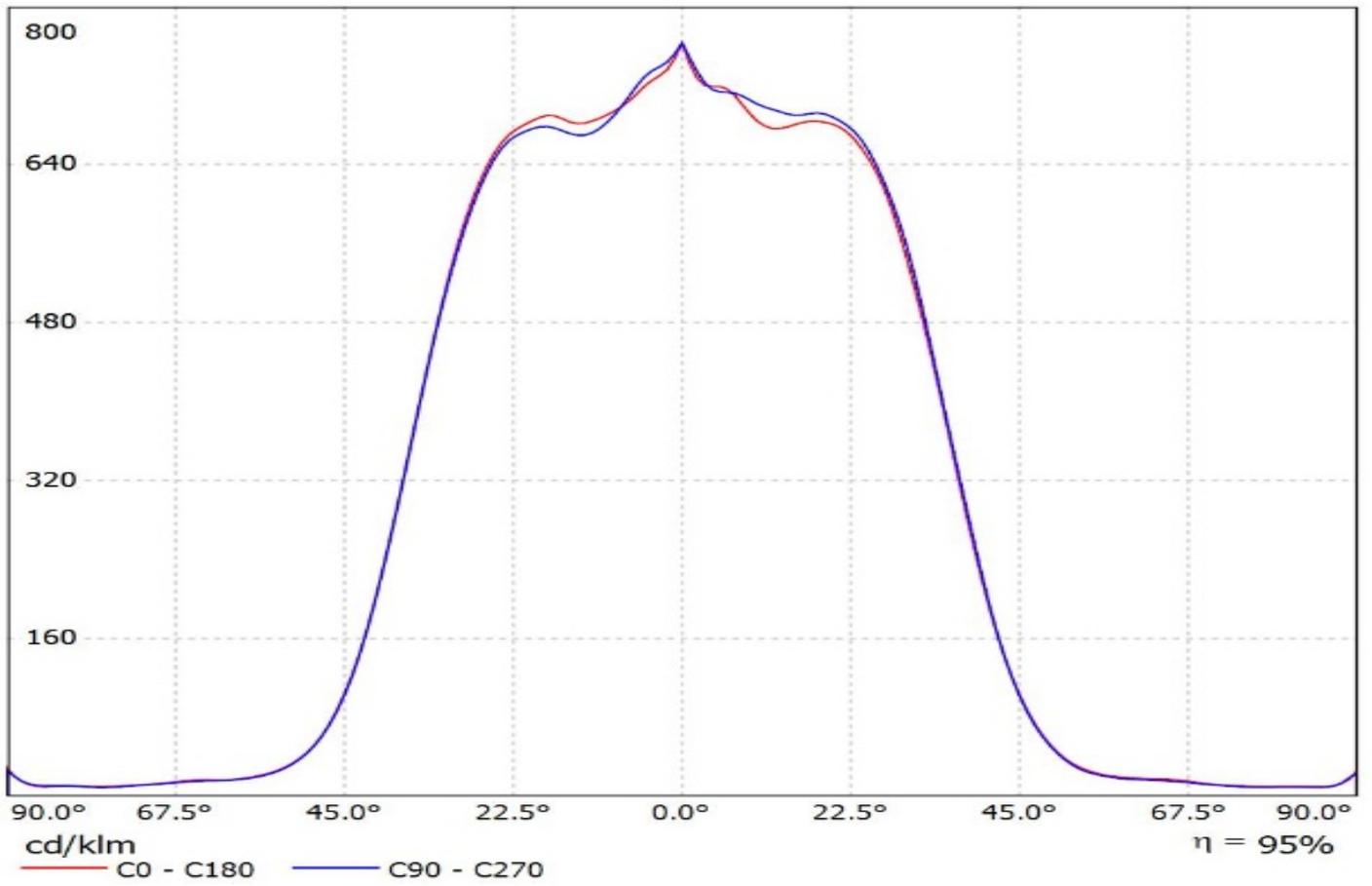


Luminaire: LEDiL Oy C14606_HB-2X2-WW_(XM-L2)

Lamps: 1 x Cree_XM-L2_2X2_(XMLBWT-0-7B4-0L-0001)_354.093lm@250mA_P=2.81687W_η=0.2499A

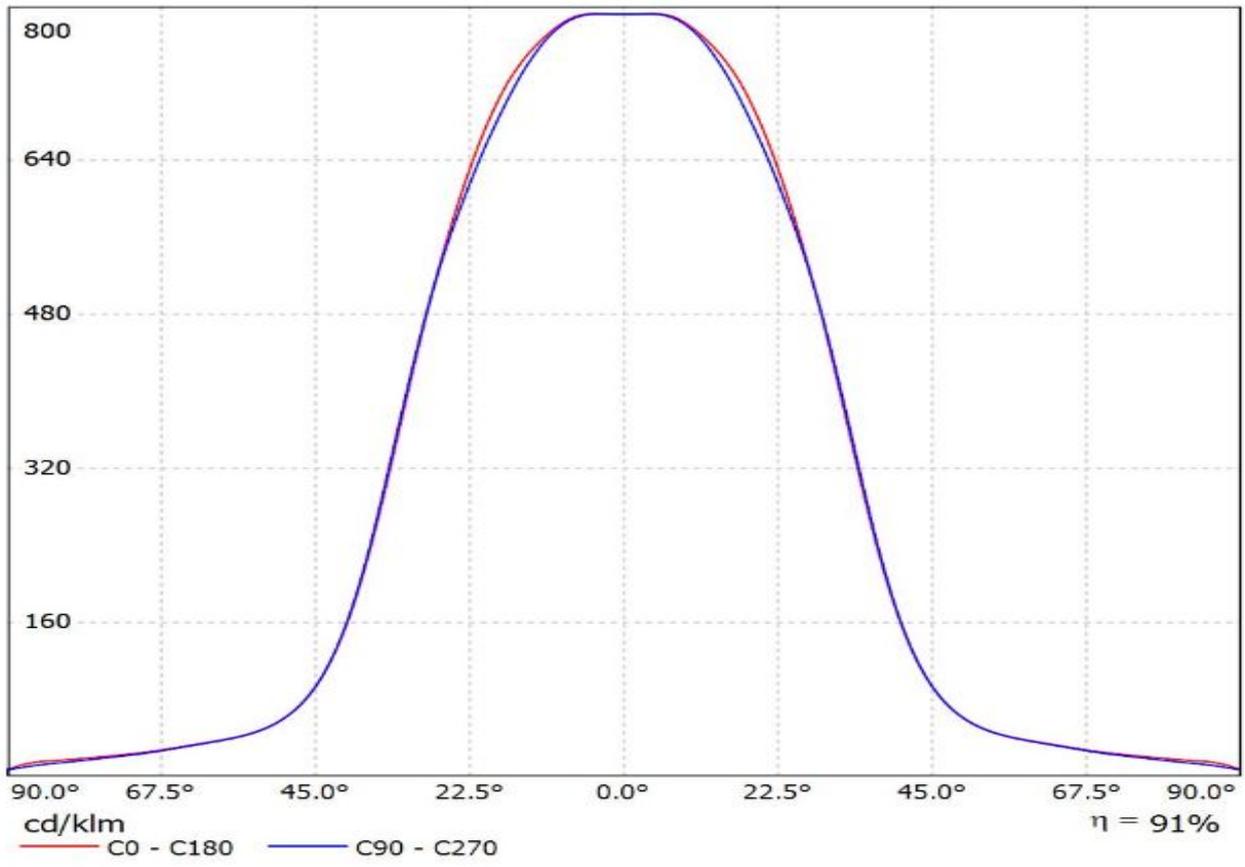


Luminaire: Ledil Oy C14606_HB-2X2-WW_(XP-G3)_SIMULATED
Lamps: 1 x Cree XP-G3



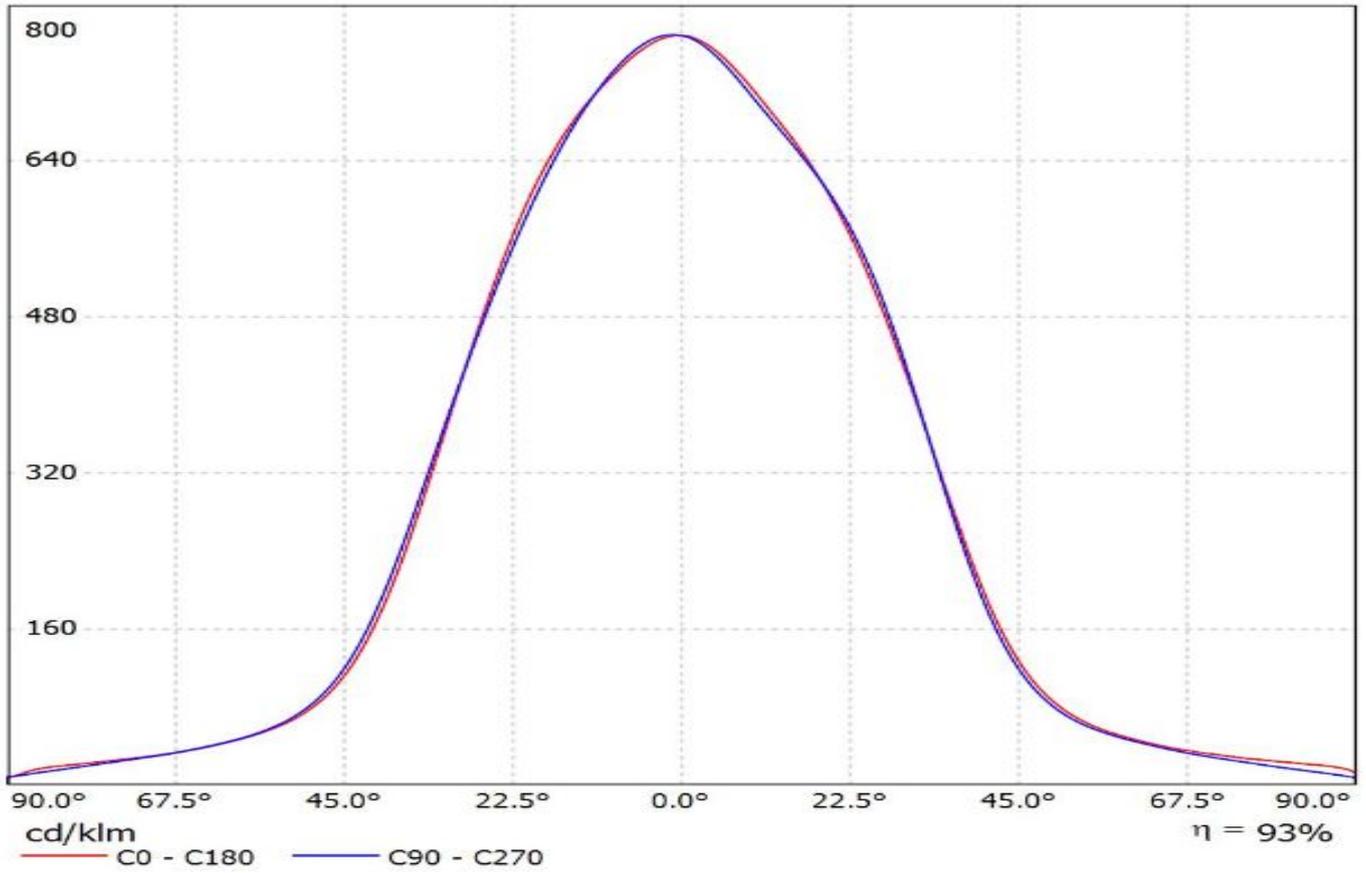
Luminaire: Ledil C14606_HB-2X2-WW_(XP-G2)

Lamps: 2 x Cree_XP-G2_2x2_(XPGBWT-L1-000-00-G51)_421.786lm@250mA_P=2.9665W_I=0.250A - 3.00 W

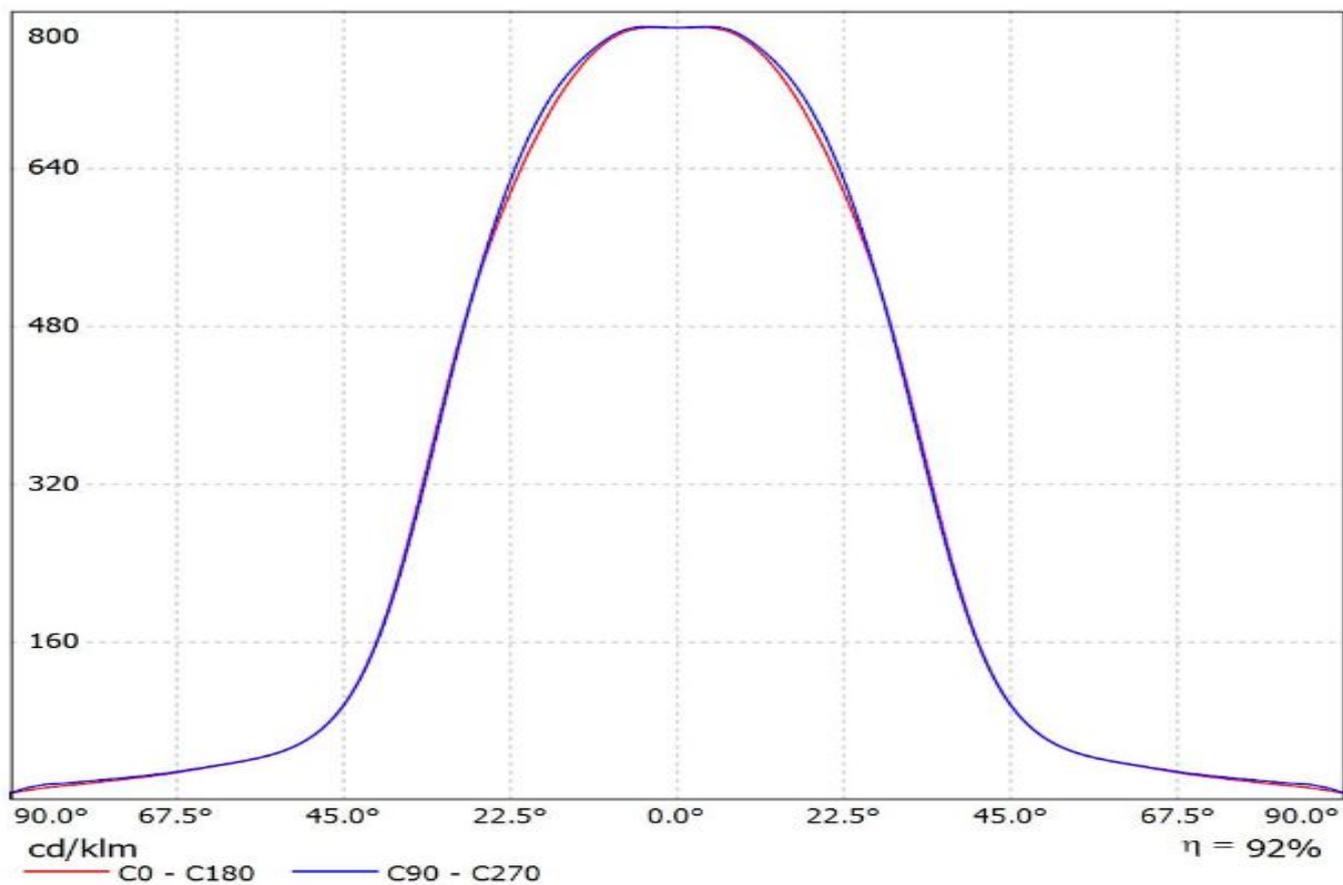


Luminaire: Ledil C14606_HB-2X2-WW_(XP-L2)

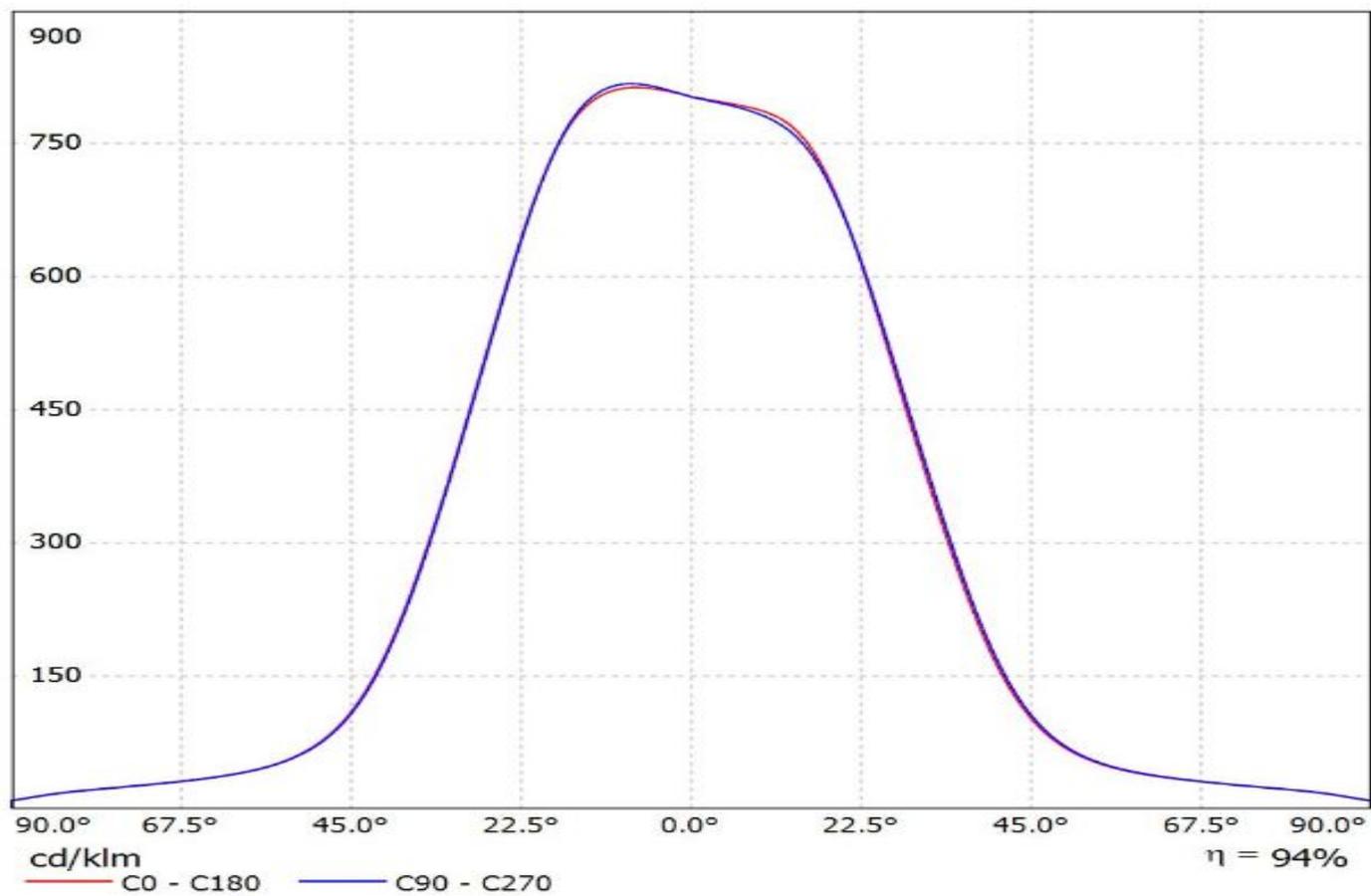
Lamps: 1 x Cree_XP-L2_2x2_(XPLBWT-00-0000-000BV50E3)550.93lm@250mA_P=2.7815W_I=0.25A



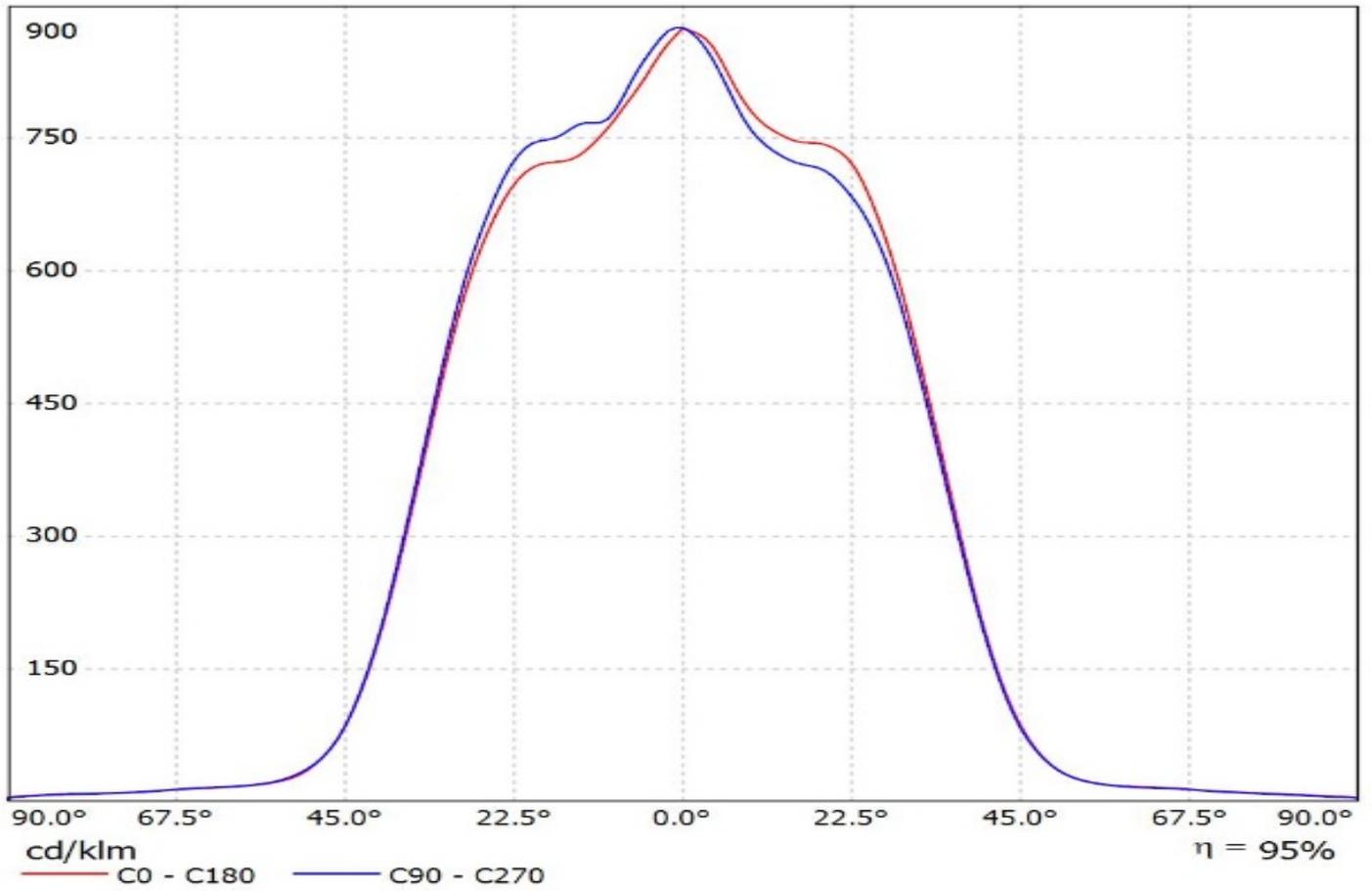
Luminaire: Ledil C14606_HB-2X2-WW_(H35C1)
Lamps: 2 x LG_H35C1_2x2_477.216lm@250mA_P=2.87475W_I=0.250A



Luminaire: LEDiL Oy C14606_HB-2X2-WW_(Luxeon_5050)
Lamps: 1 x Luxeon_5050_2x2_1270.76lm@80mA_CCT=5700K_P=7.35815W_I=0.080A_70CRI

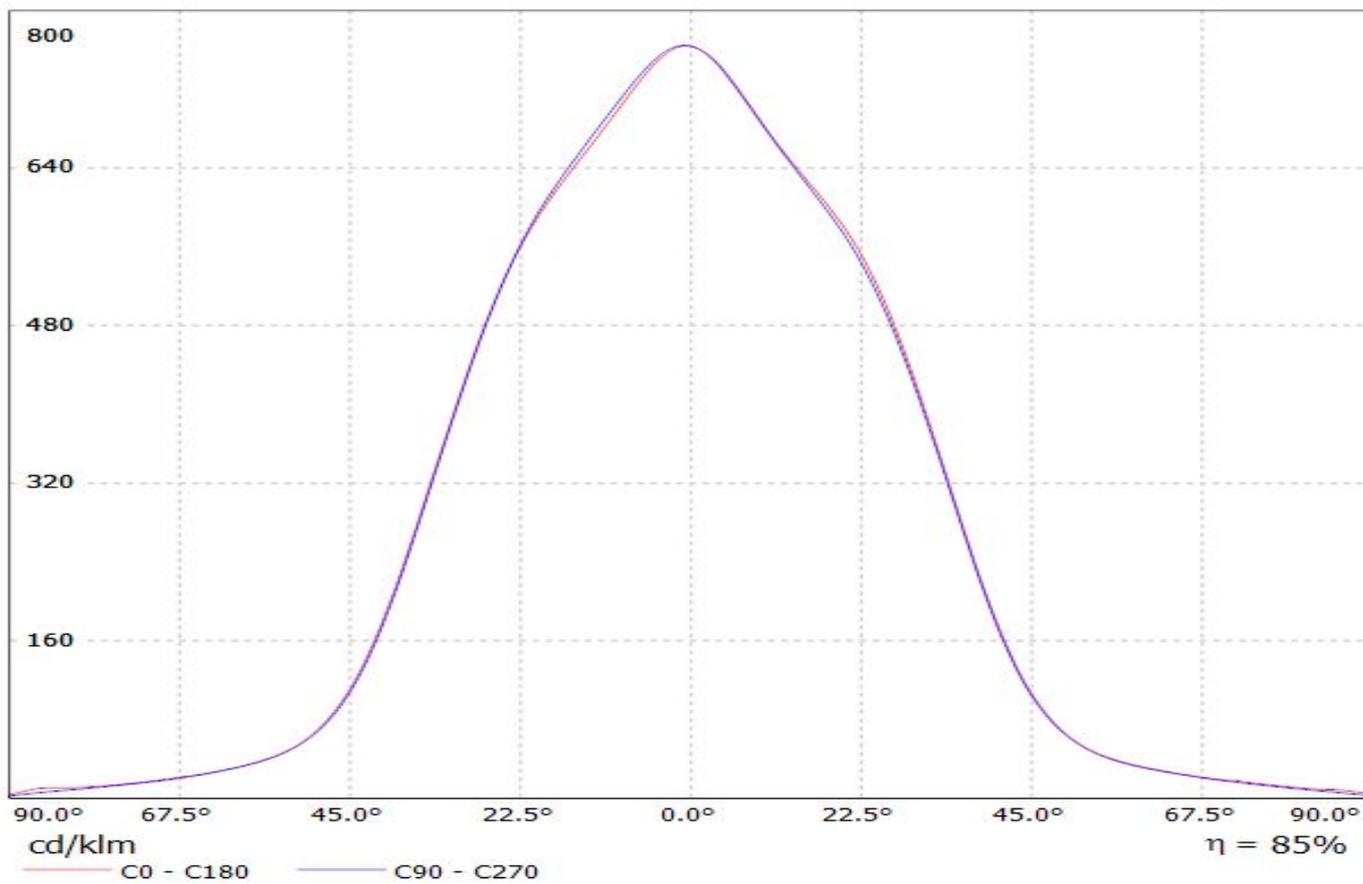


Luminaire: Ledil Oy C14606_HB-2X2-WW_(Luxeon_MZ)_SIMULATED
Lamps: 1 x Lumileds Luxeon MZ



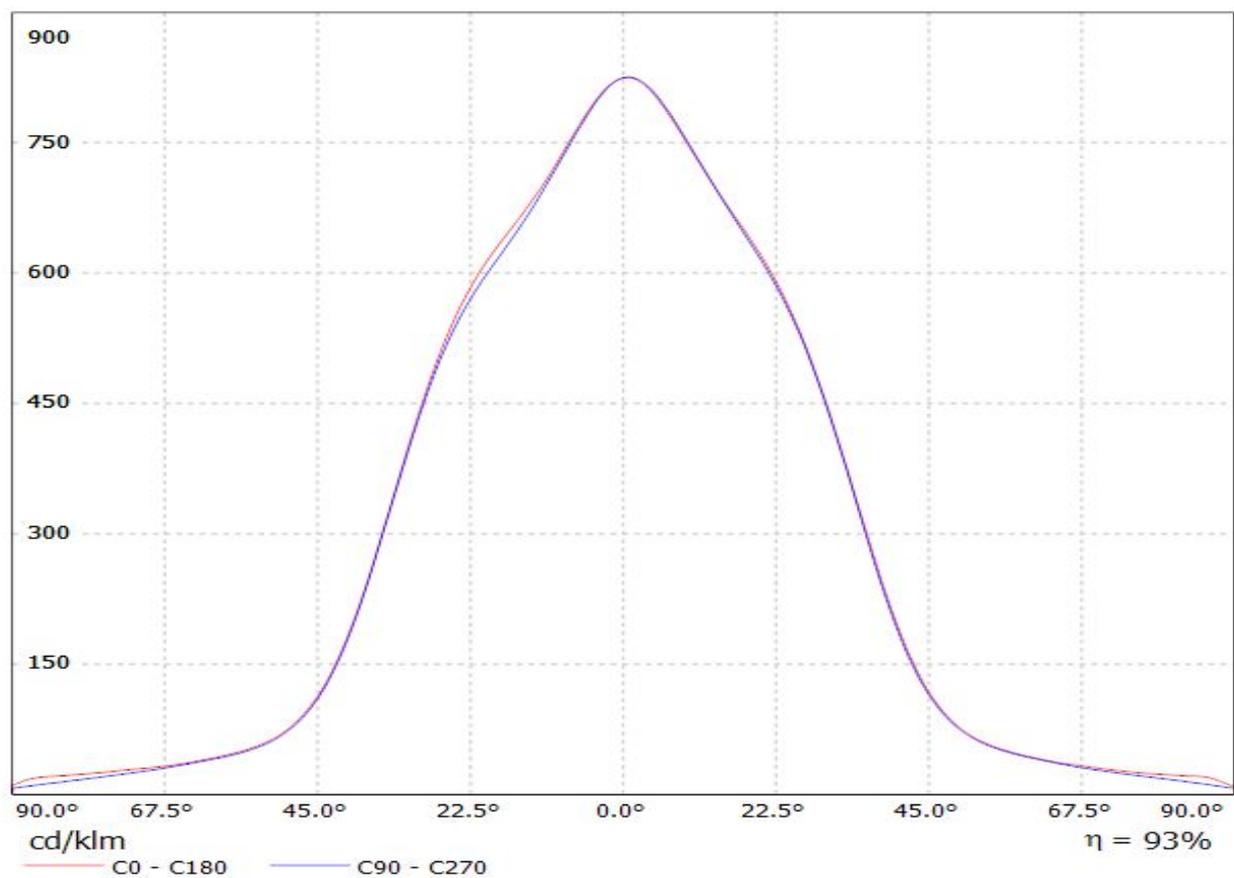
Luminaire: LEDiL Oy C14606_HB-2X2-WW (NWSL229AE)

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



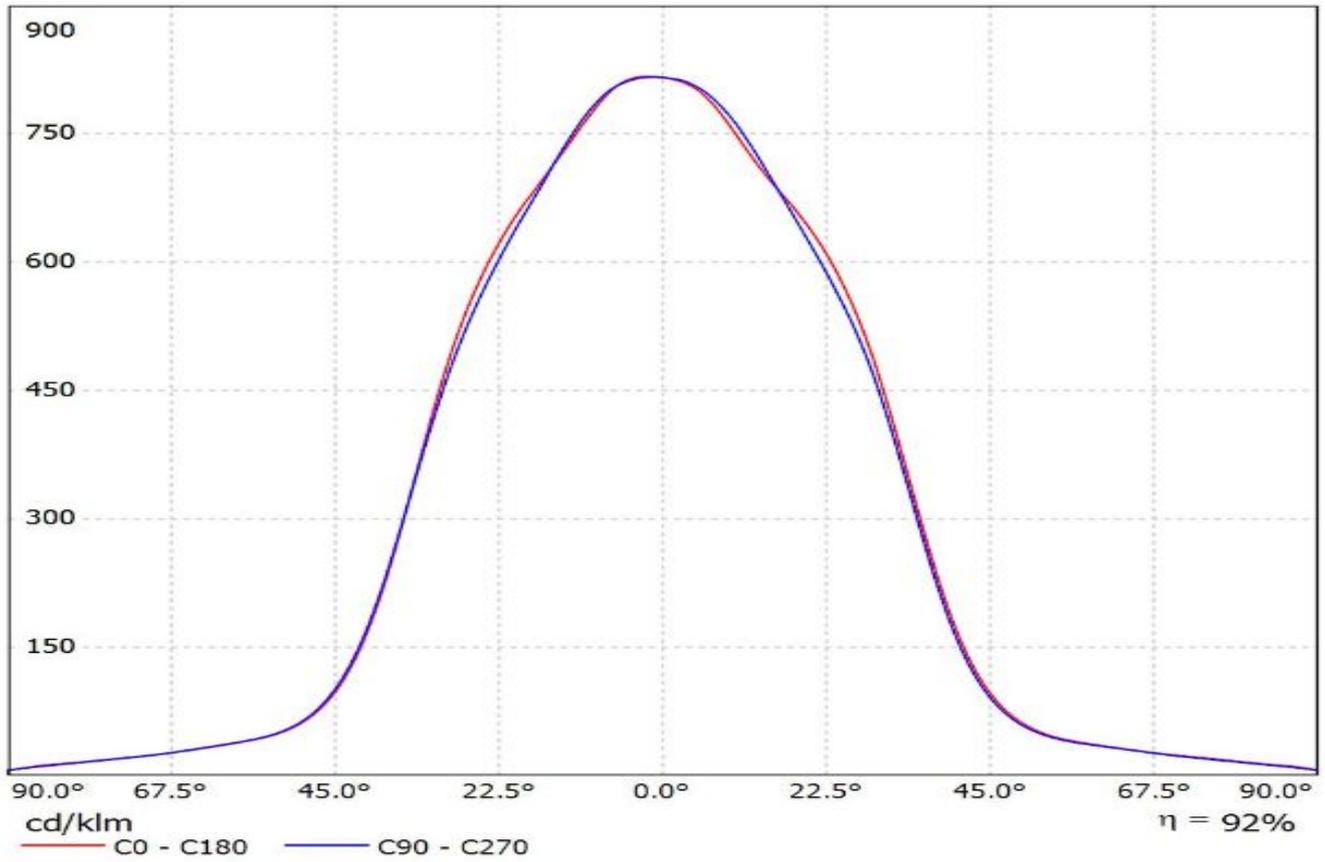
Luminaire: LEDiL Oy C14606_HB-2X2-WW_(NVSW319AE)

Lamps: 1 x Nichia_NVSW319AE_(sm405D440f2L2R70)_500.359lm@250mA_P=2.79351W_I=0.25A

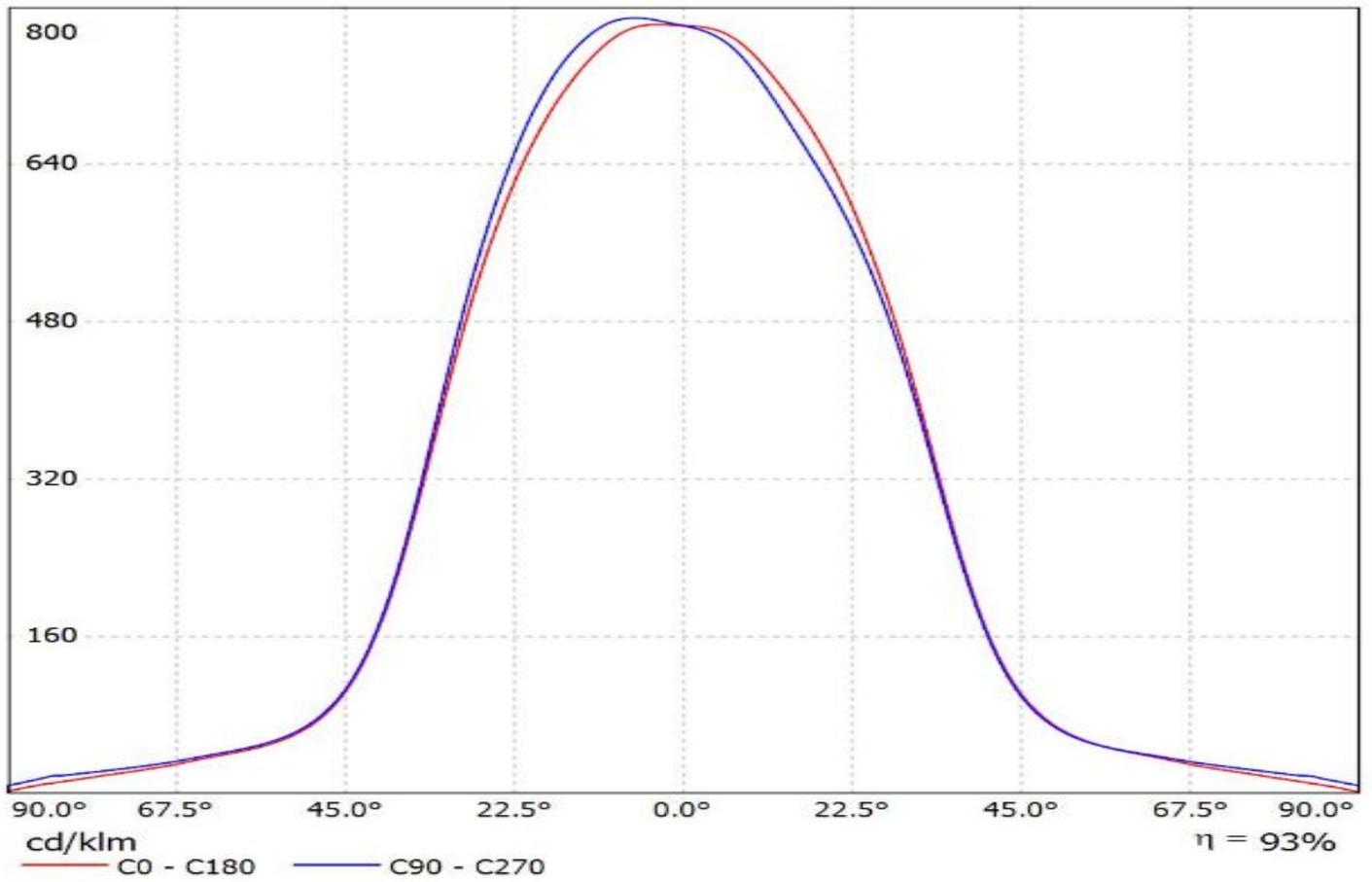


Luminaire: Ledil C14606_HB-2X2-WW_(Square_Gen3)

Lamps: 1 x Osram_Square_Gen3_(GW_CSSRM2.PM)_461.082lm@250mA_P=2.79075W_I=0.250A

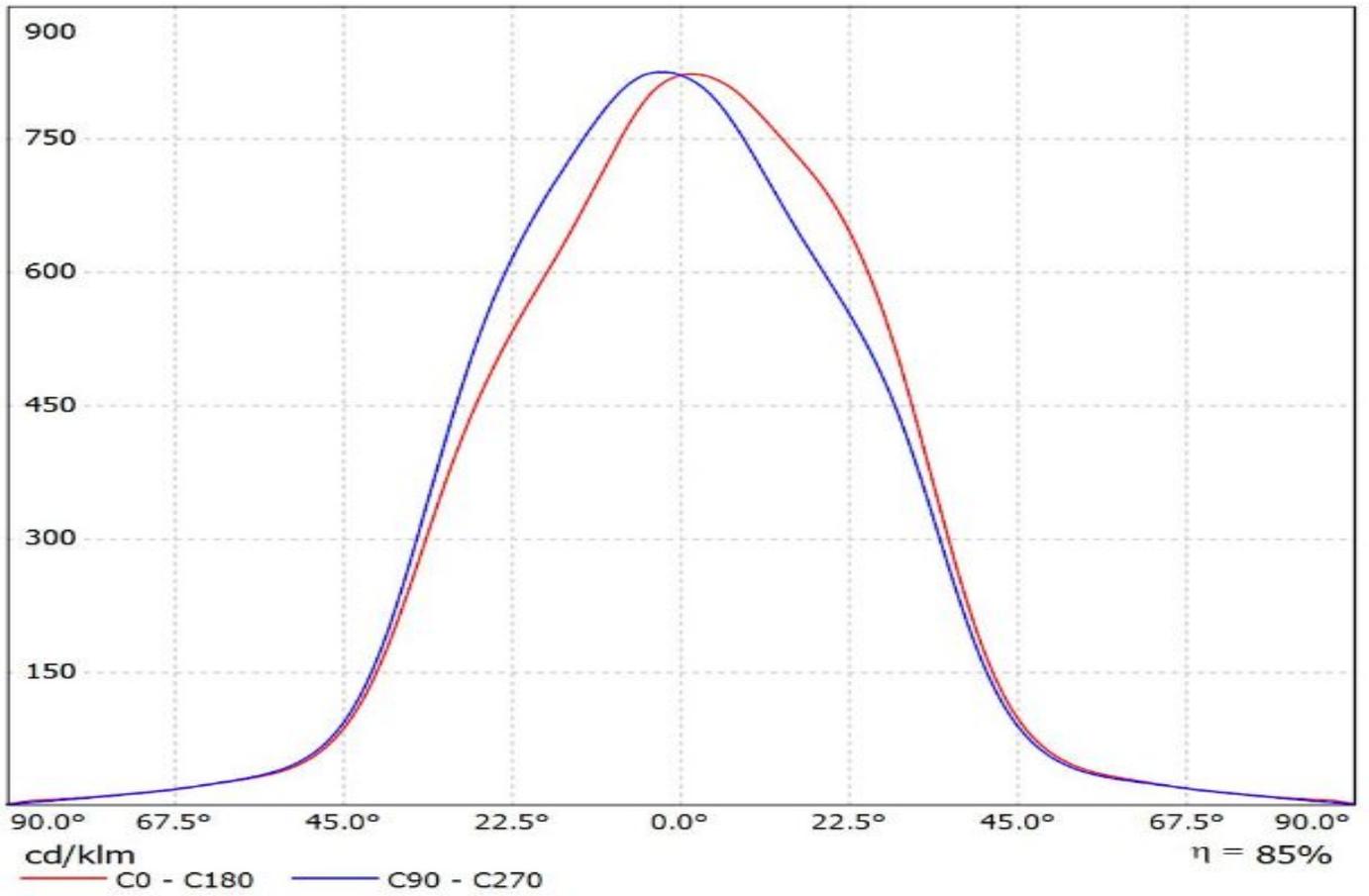


Luminaire: Ledil C14606_HB-2X2-WW_(Fortimo_FastFlex_LED_board_2x8/740_DA_G3)
Lamps: 1 x Fortimo_FastFlex_LED_board_2x8/740_DA_G3_1823.98lm@250mA_P=11.65W_η=0.25A



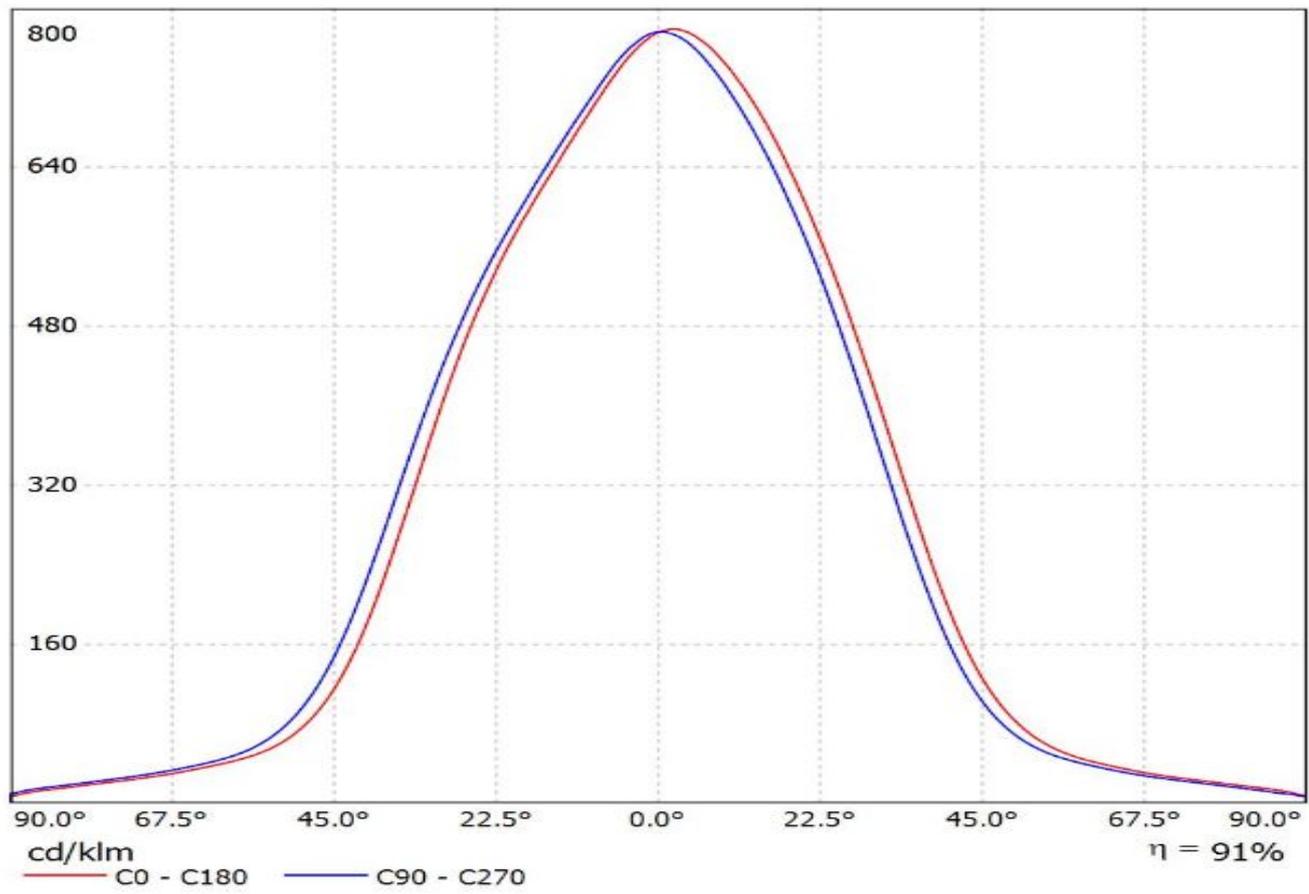
Luminaire: Ledil C14606_HB-2X2-WW_(LH351B)

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



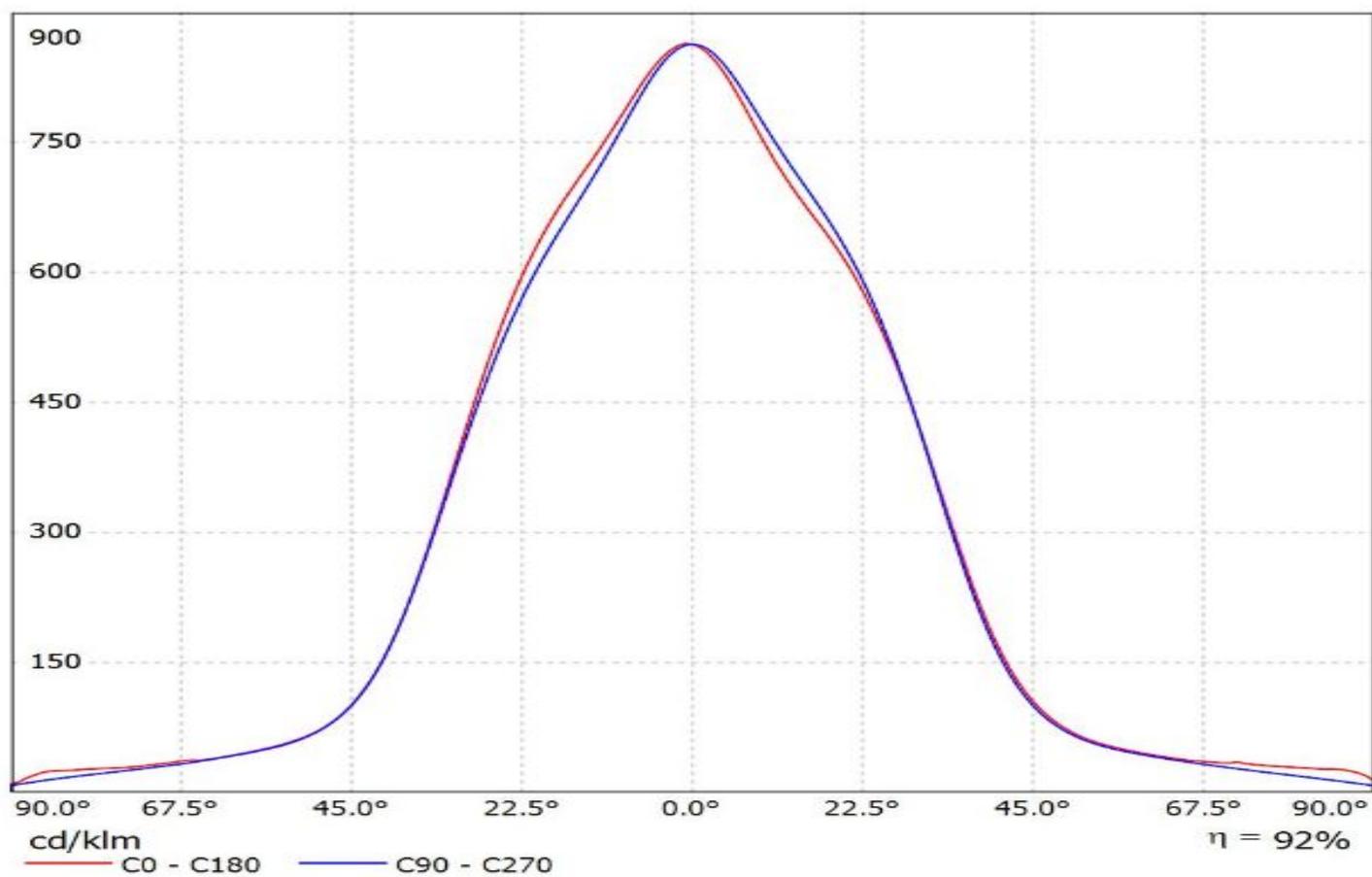
Luminaire: Ledil C14606_HB-2X2-WW_(LH351D)

Lamps: 2 x Samsung_LH351D_536.957lm@250mA_P=2.7695W_I=0.250A

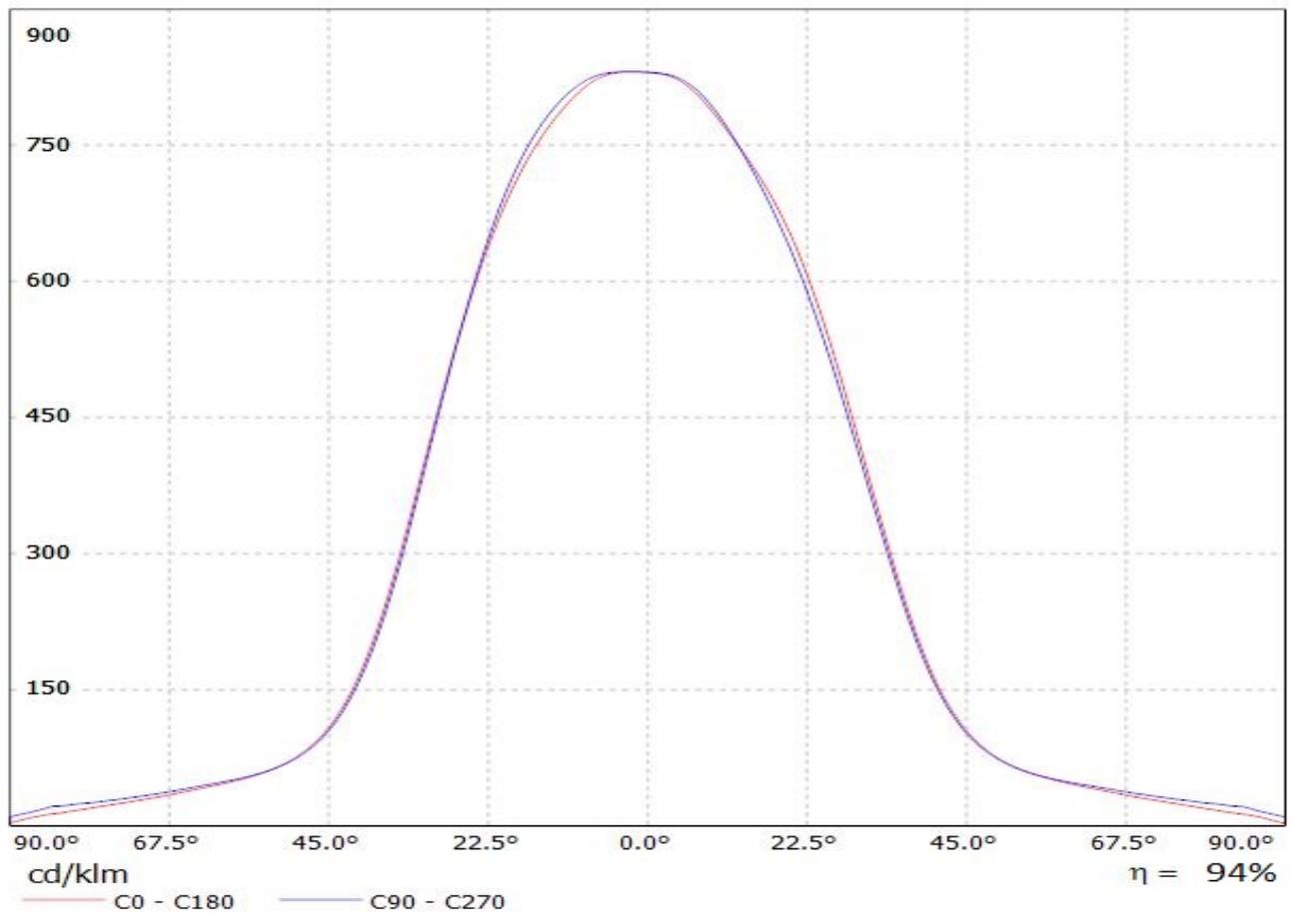


Luminaire: Ledil C14606_HB-2X2-WW_(Z8Y22plus)

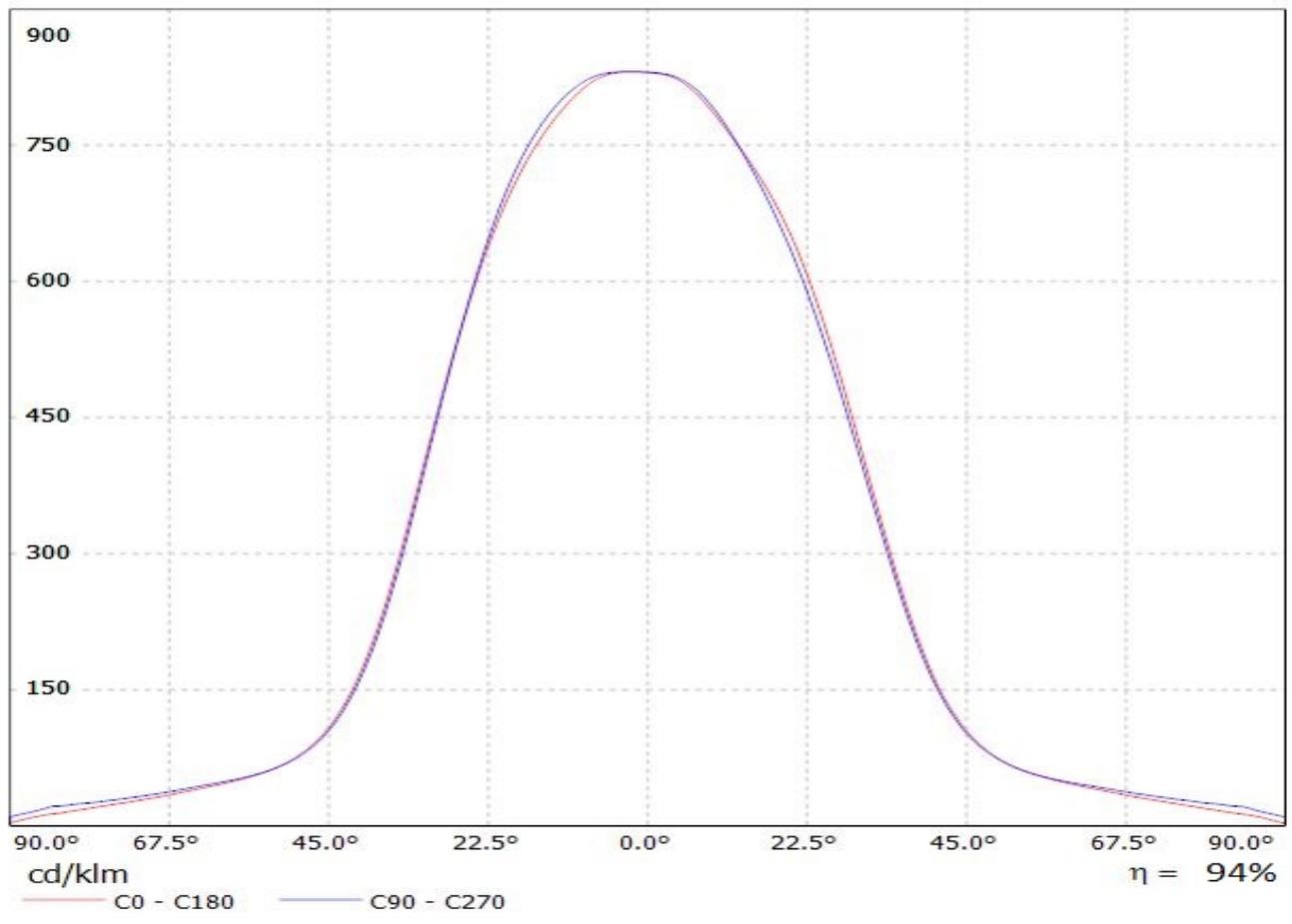
Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_513.996lm@250mA_P=2.754W_I=0.250A



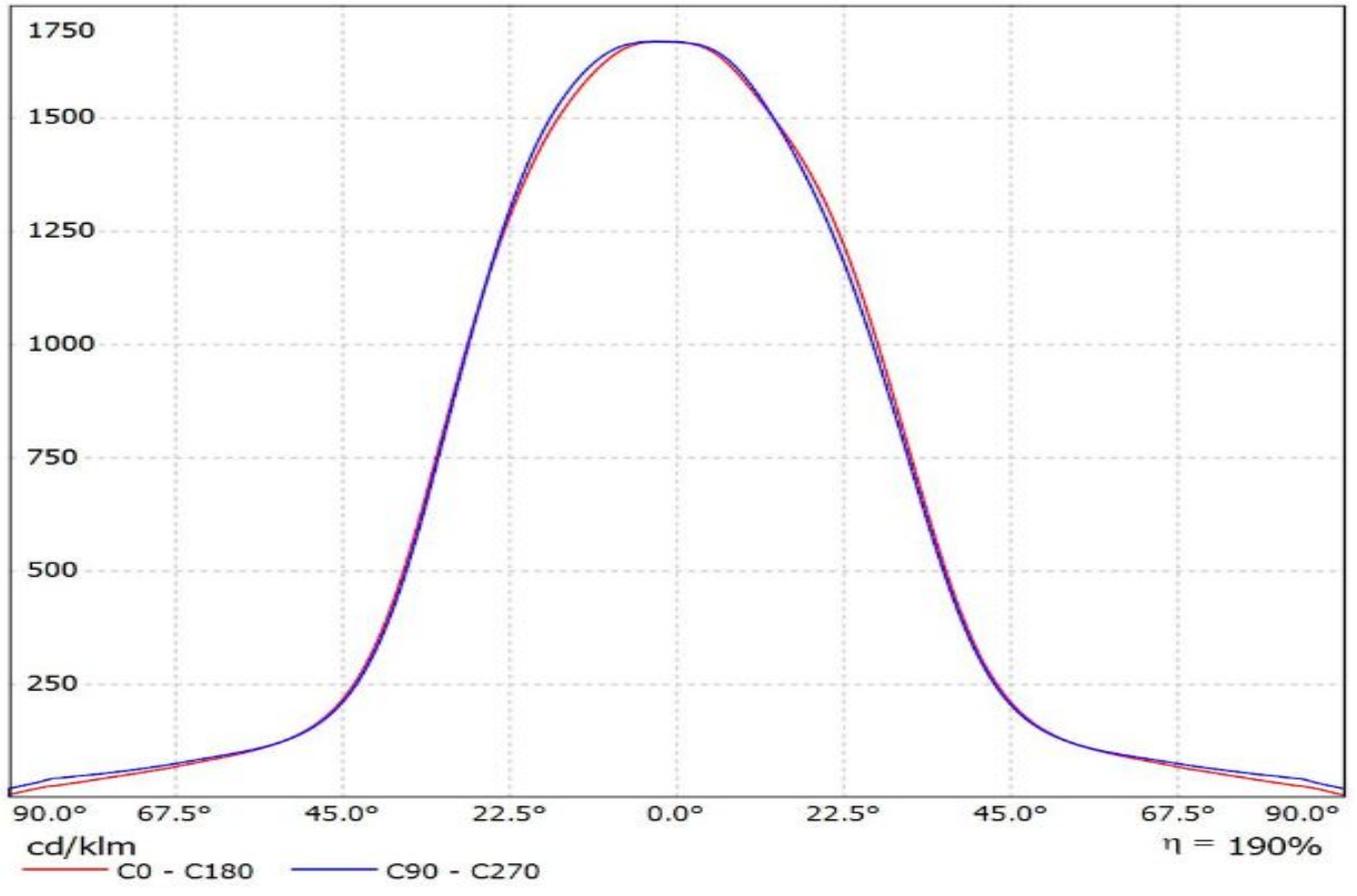
Luminaire: LEDiL Oy C14606_HB-2X2-WW_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A



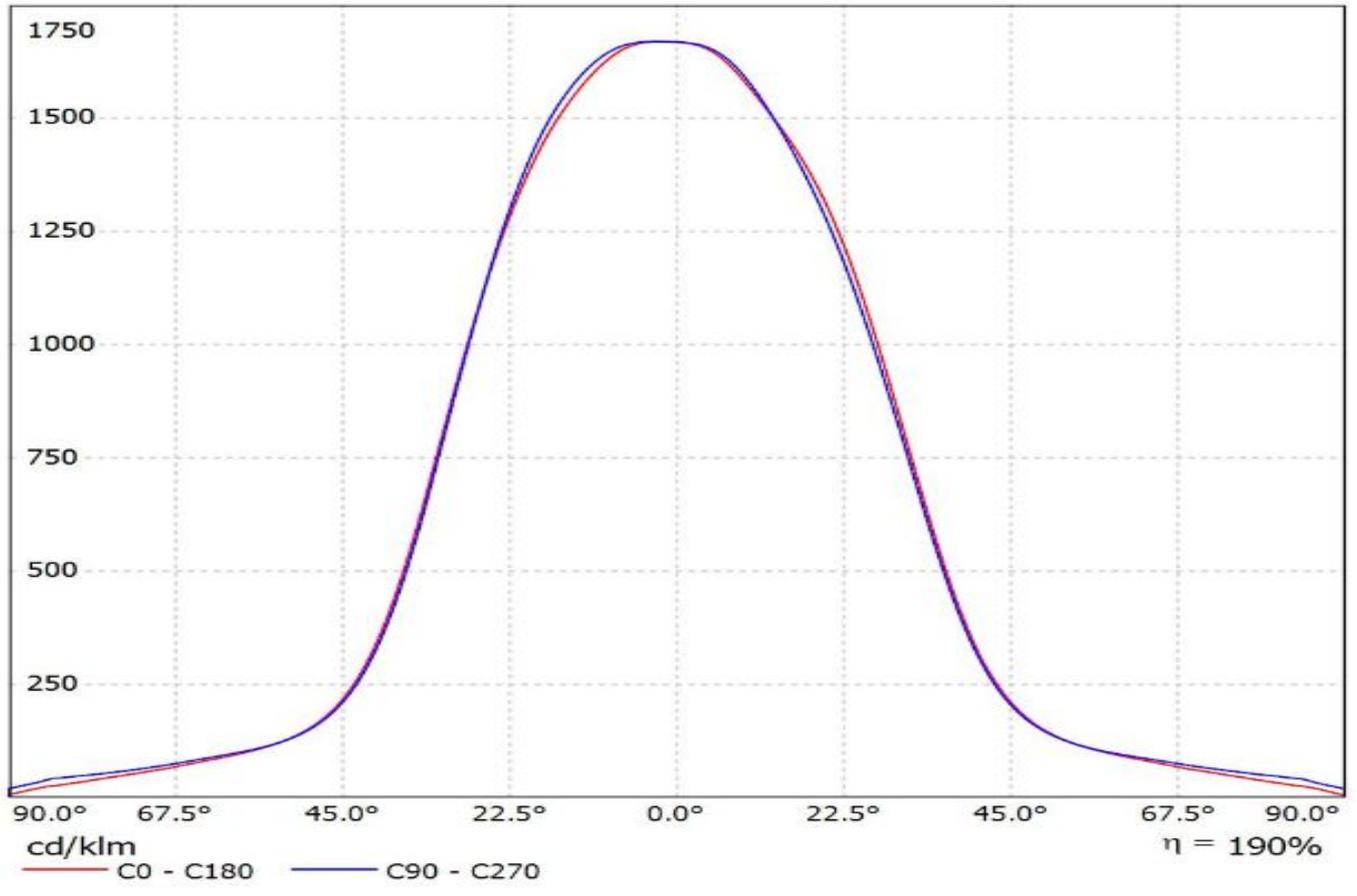
Luminaire: LEDiL Oy C14606_HB-2X2-WW_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A



Luminaire: LEDiL Oy C14606_HB-2X2-WW_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_2288lm@700mA_P=16W_I=0.700A

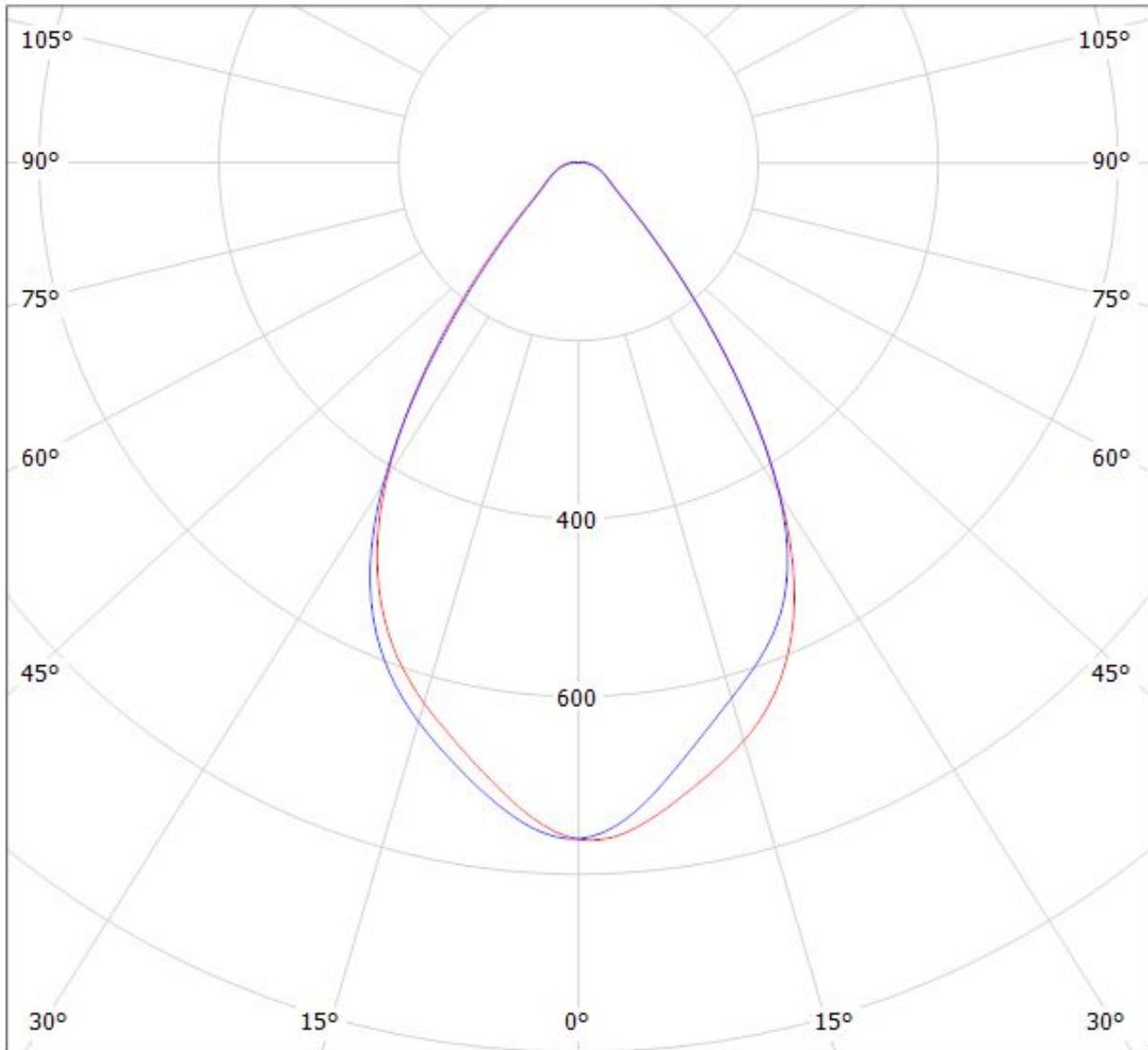


Luminaire: LEDiL Oy C14606_HB-2X2-WW_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_2288lm@700mA_P=16W_I=0.700A



Luminaire: LEDiL Oy C14606_HB-2X2-WW_(XM-L)

Lamps: 1 x Cree_XM-L_2x2_(XMLAWT-00-0000-000LT20E7)_338.257lm@250mA_P=2.75205W_I=0.2498A



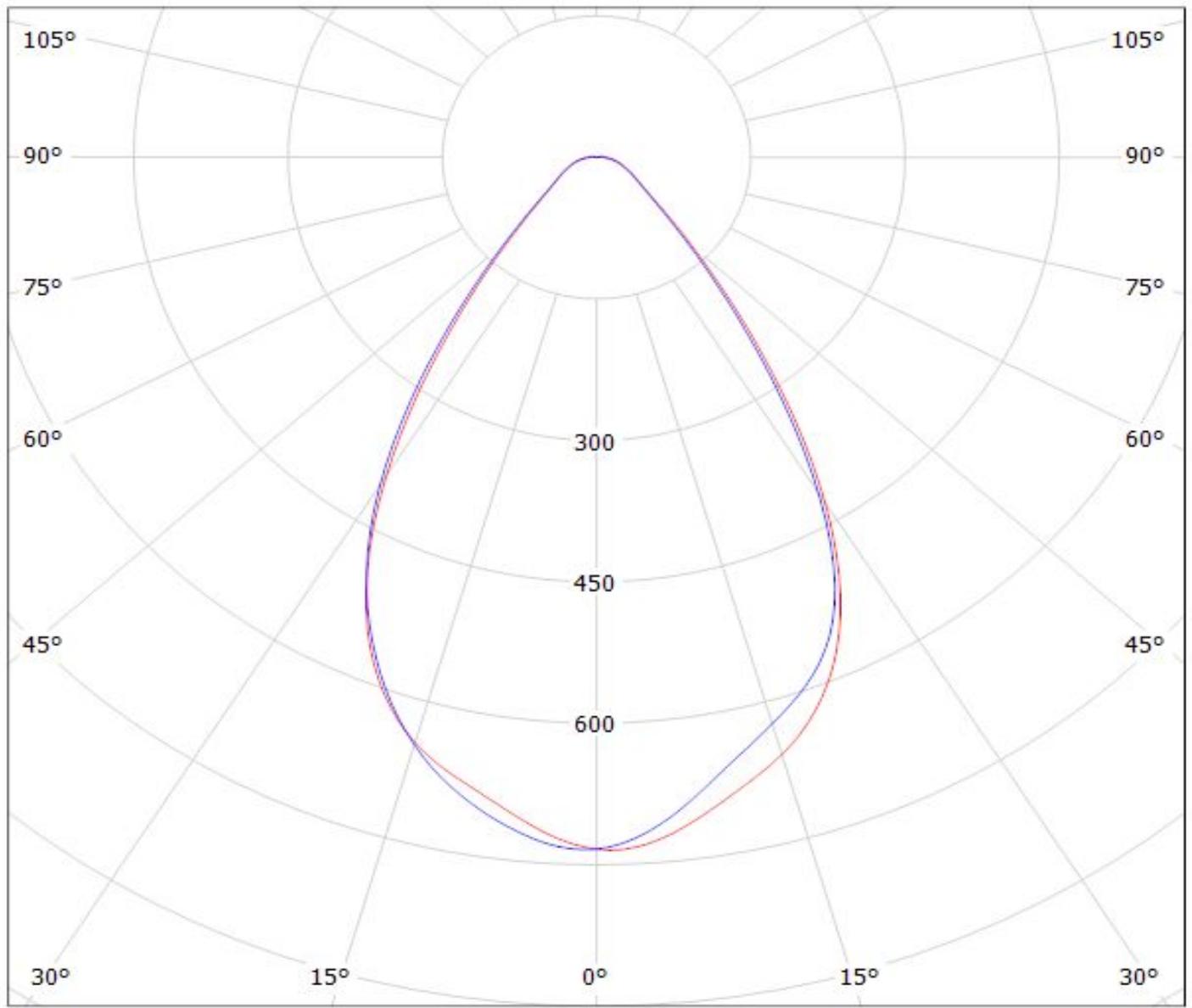
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— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy C14606_HB-2X2-WW_(XP-L)

Lamps: 1 x Cree_XP-L_(XPLAWT-1B0-V40-00-0001)_496.74lm@250mA_P=2.80138W_I=0.2499A



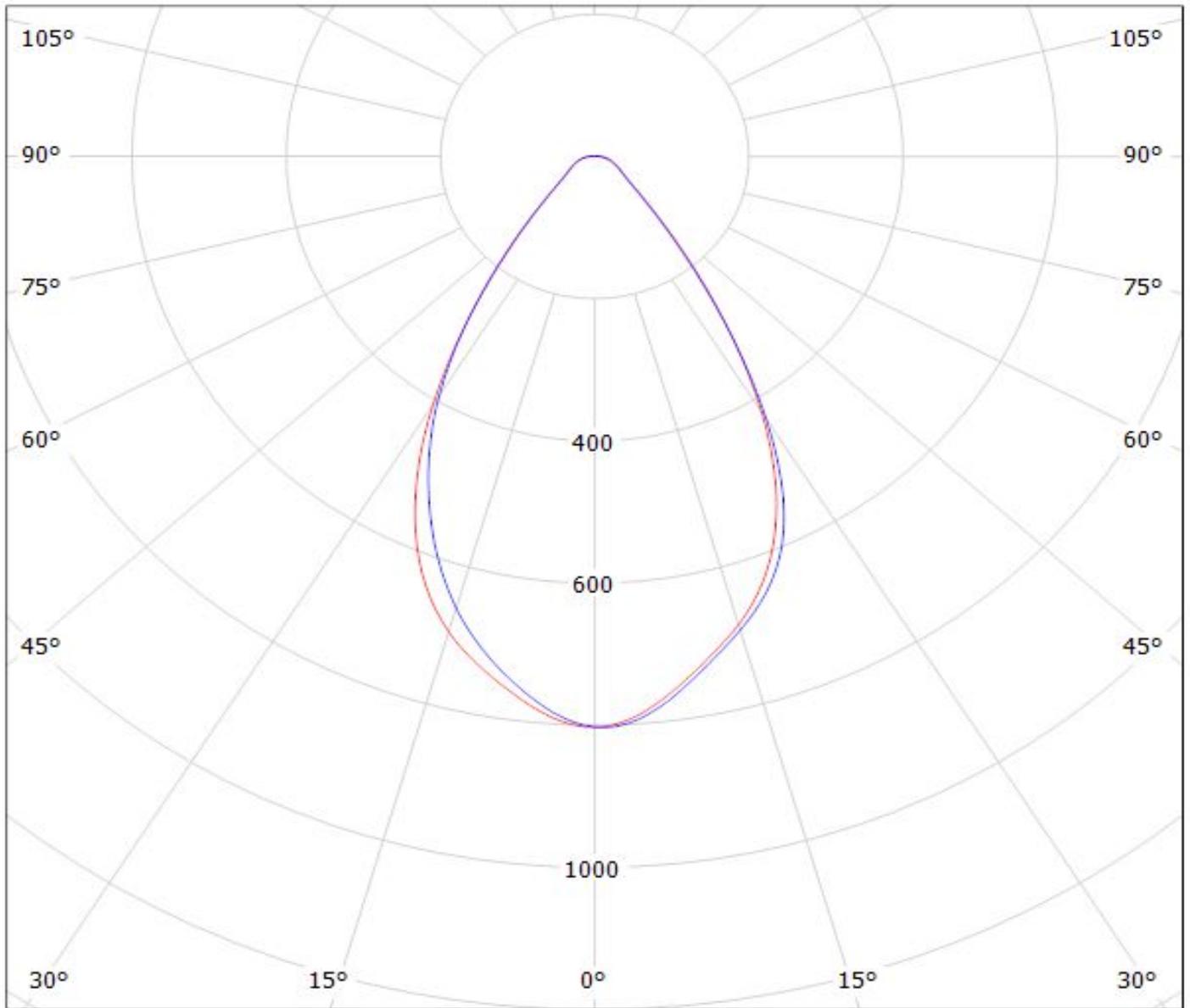
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— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy C14606_HB-2X2-WW_(XM-L2)

Lamps: 1 x Cree_XM-L2_2X2_(XMLBWT-0-7B4-0L-0001)_354.093lm@250mA_P=2.81687W_I=0.2499A



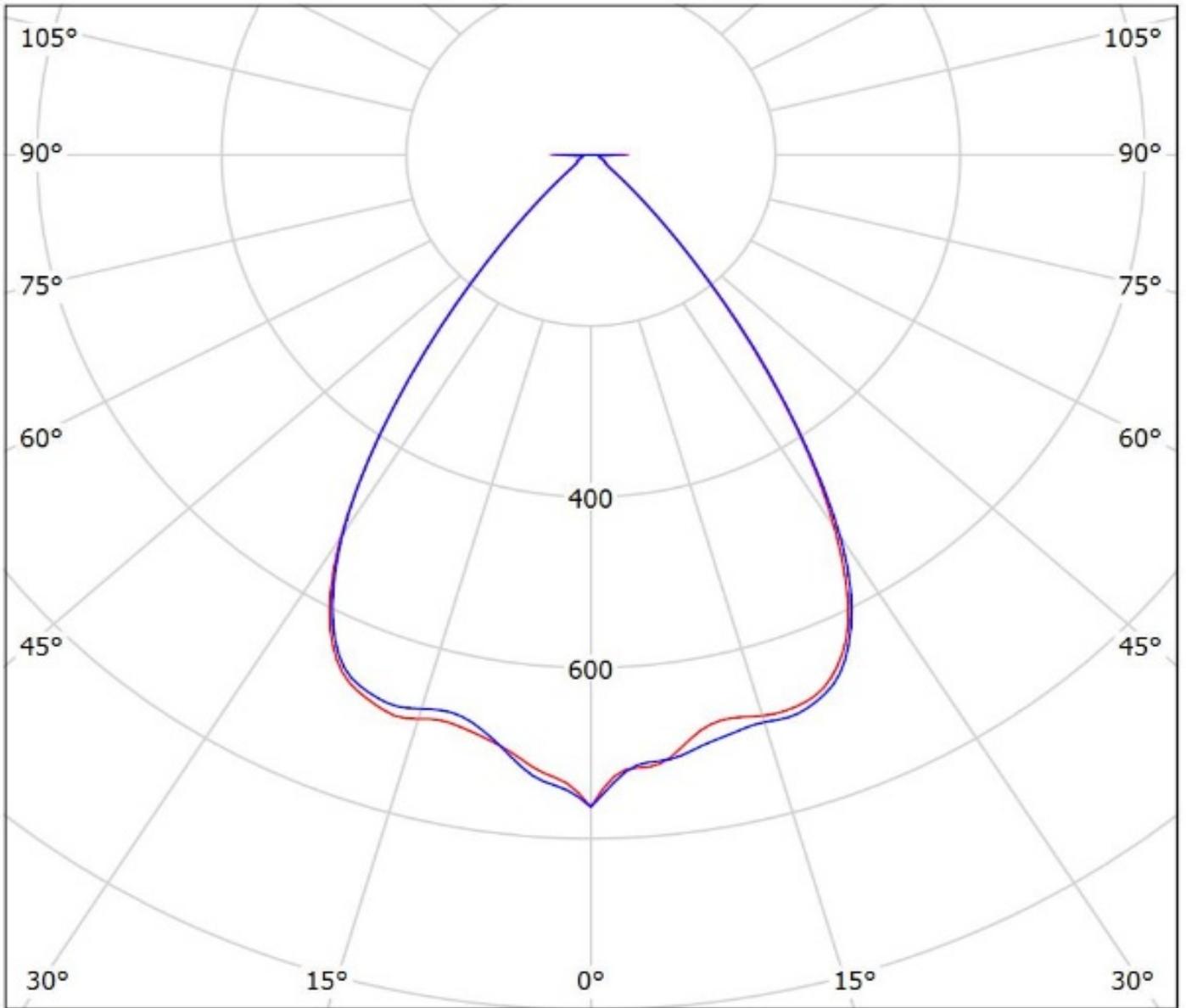
cd/klm

$\eta = 92\%$

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C14606_HB-2X2-WW_(XP-G3)_SIMULATED
Lamps: 1 x Cree XP-G3

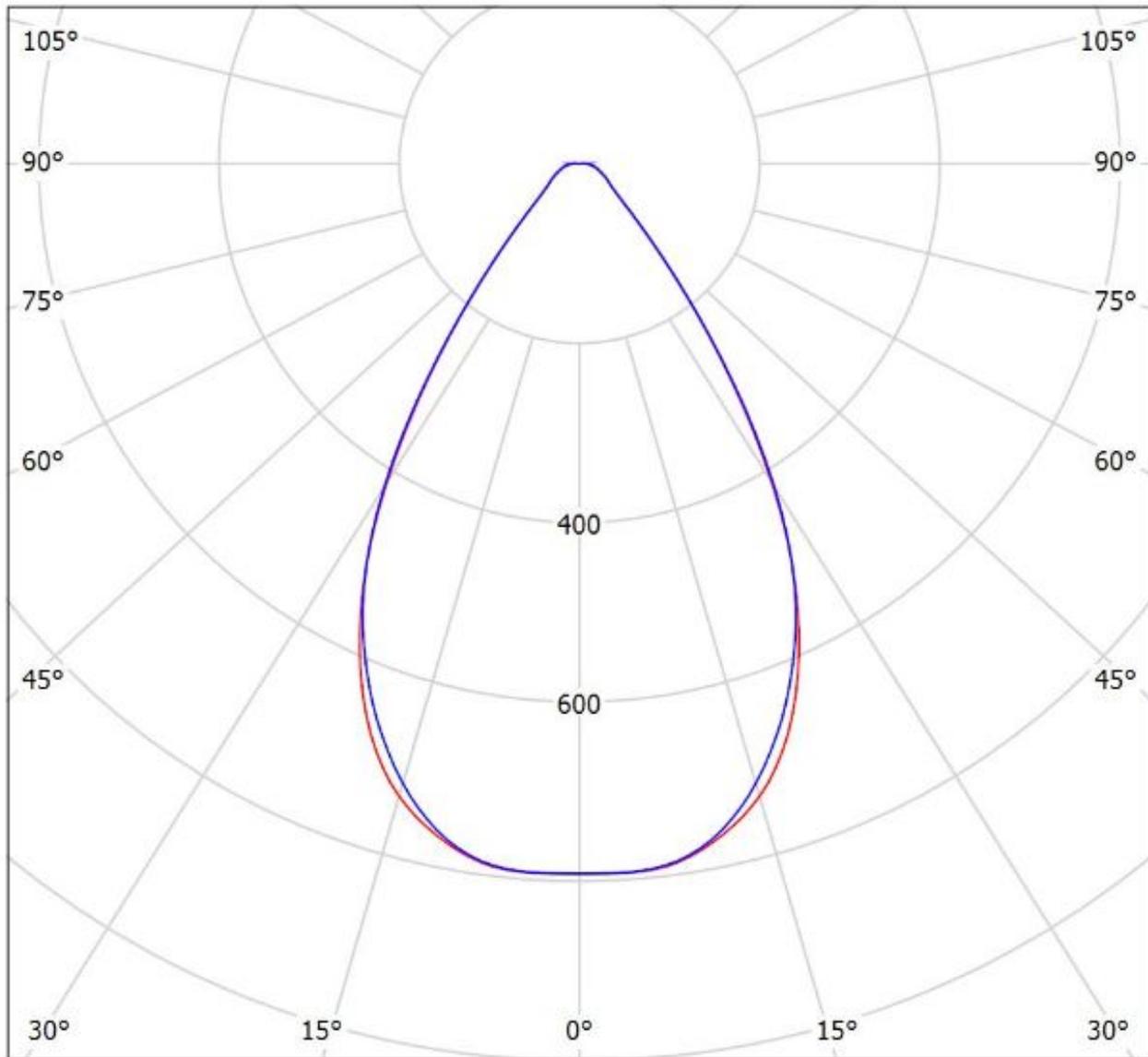


cd/klm
— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: Ledil C14606_HB-2X2-WW_(XP-G2)

Lamps: 2 x Cree_XP-G2_2x2_(XPGBWT-L1-000-00-G51)_421.786lm@250mA_P=2.9665W_I=0.250A - 3.00 W



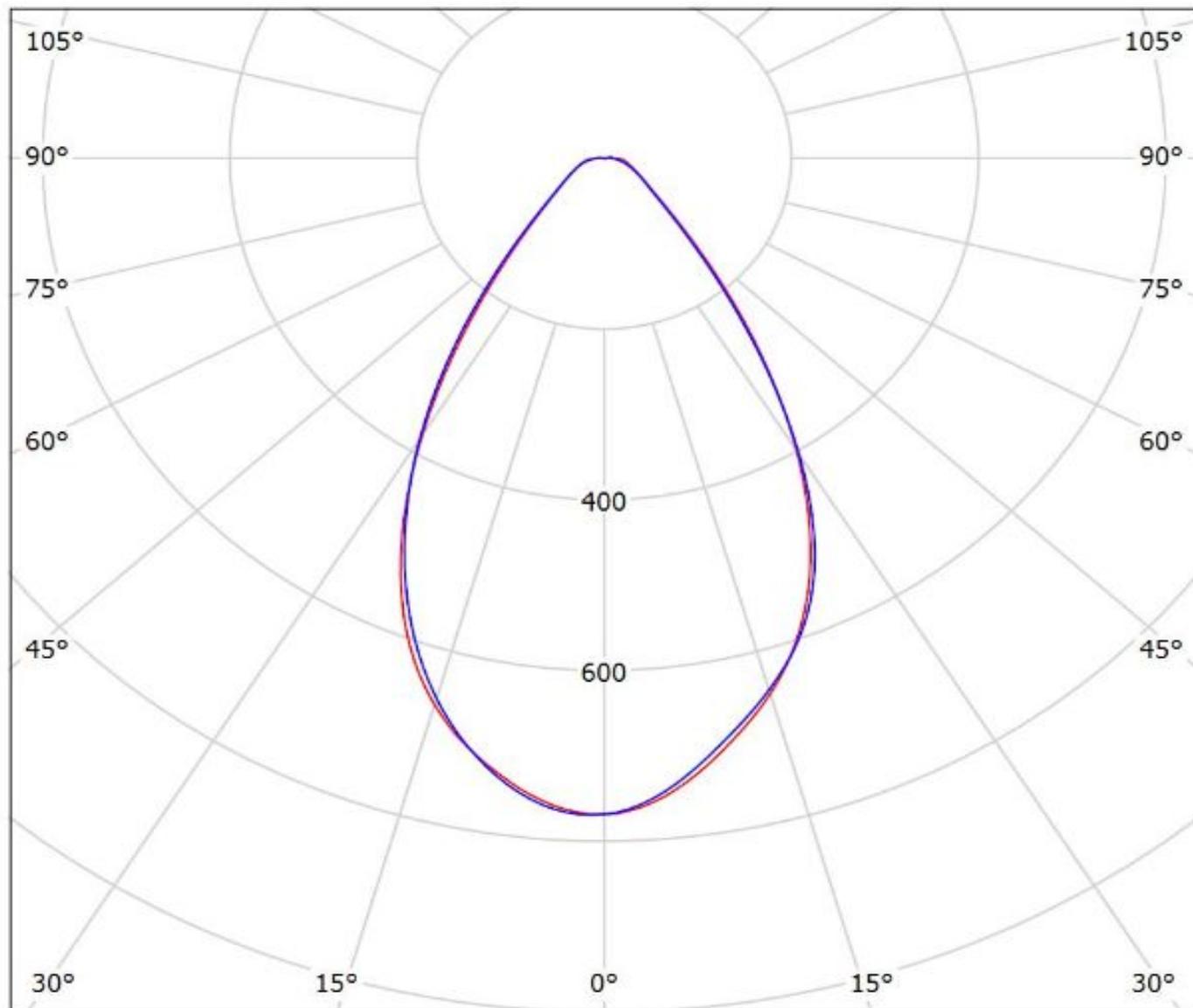
cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: Ledil C14606_HB-2X2-WW_(XP-L2)

Lamps: 1 x Cree_XP-L2_2x2_(XPLBWT-00-0000-000BV50E3)550.93lm@250mA_P=2.7815W_I=0.25A



cd/klm

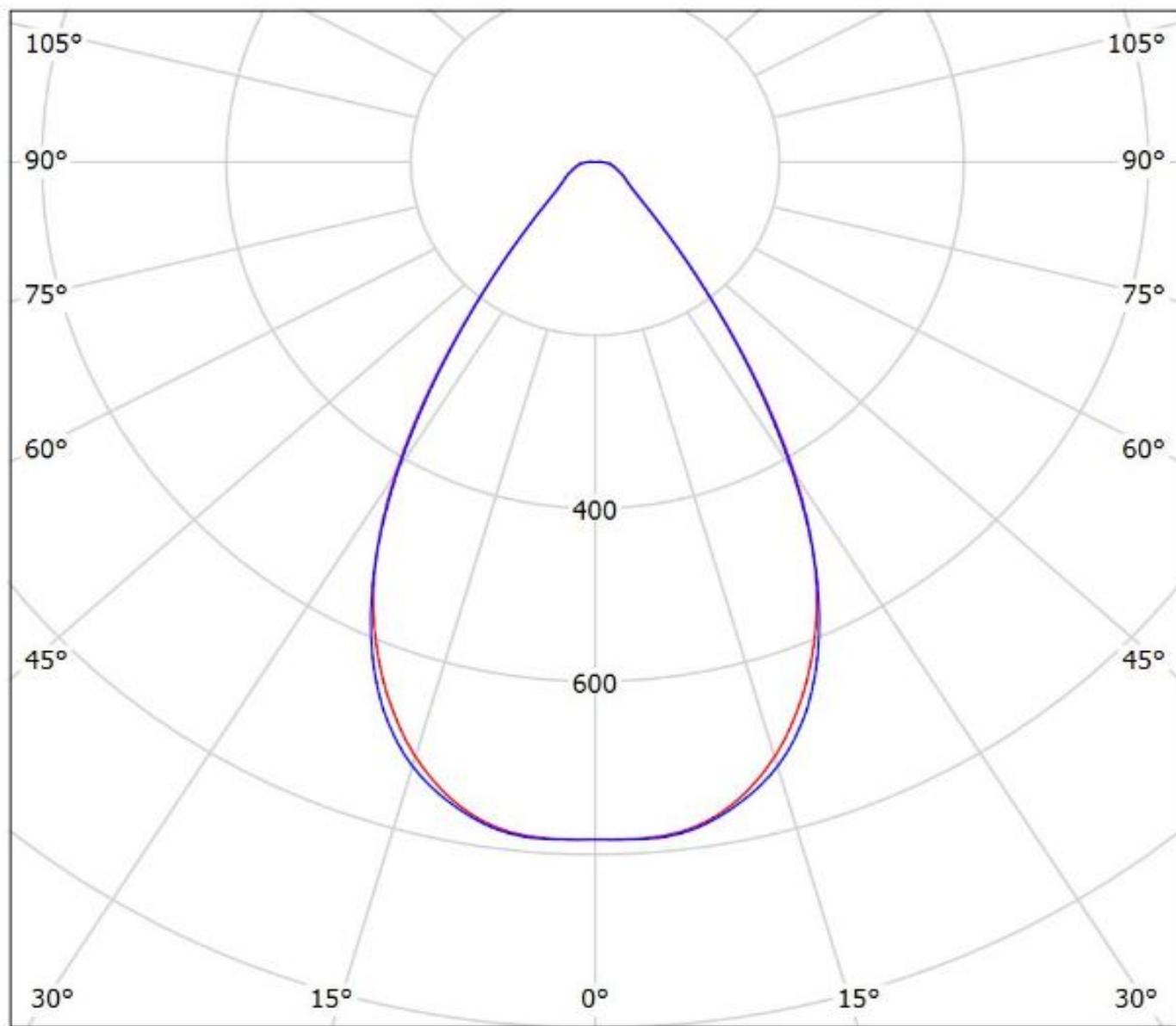
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: Ledil C14606_HB-2X2-WW_(H35C1)

Lamps: 2 x LG_H35C1_2x2_477.216lm@250mA_P=2.87475W_I=0.250A



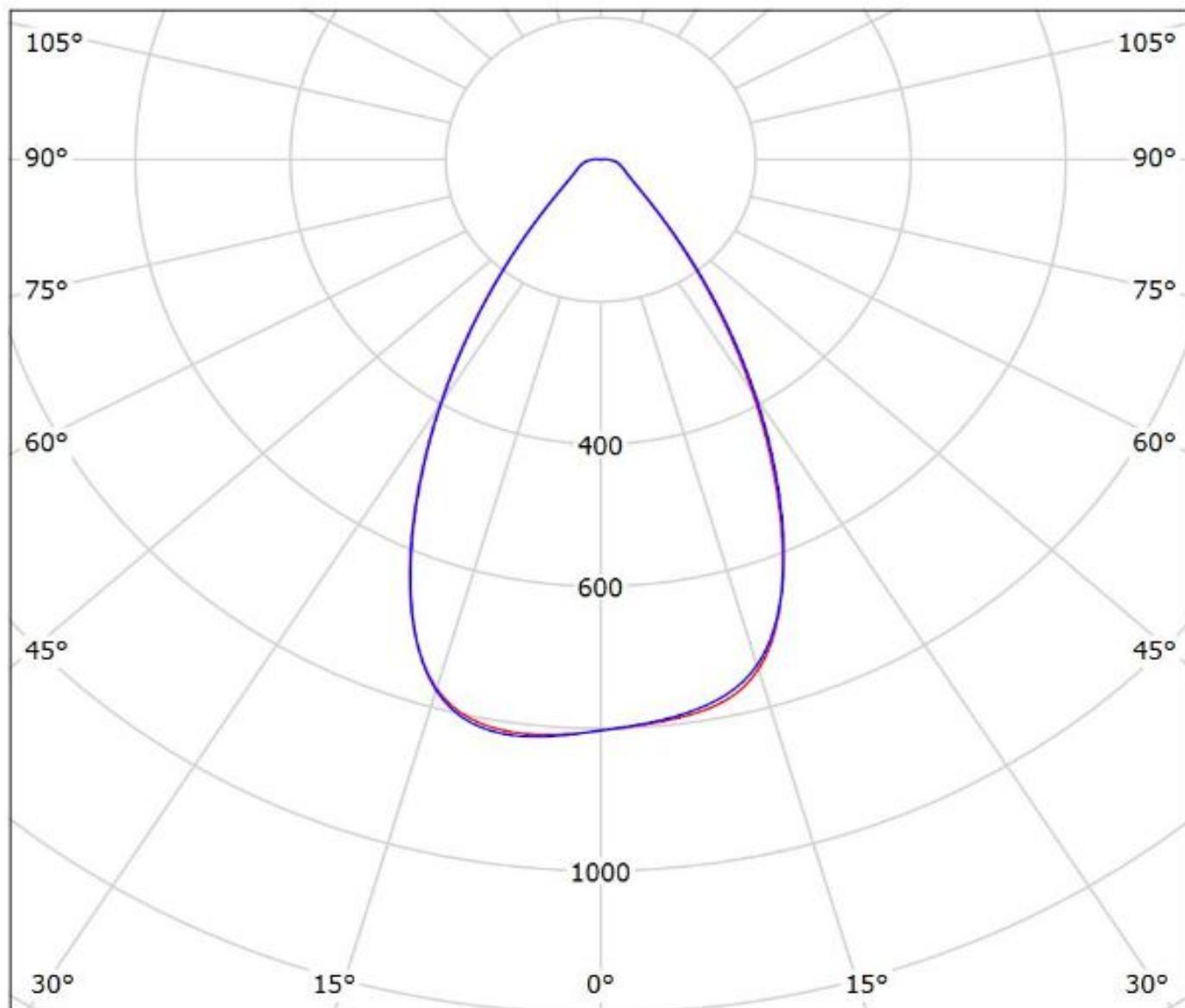
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— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy C14606_HB-2X2-WW_(Luxeon_5050)

Lamps: 1 x Luxeon_5050_2x2_1270.76lm@80mA_CCT=5700K_P=7.35815W_I=0.080A_70CRI



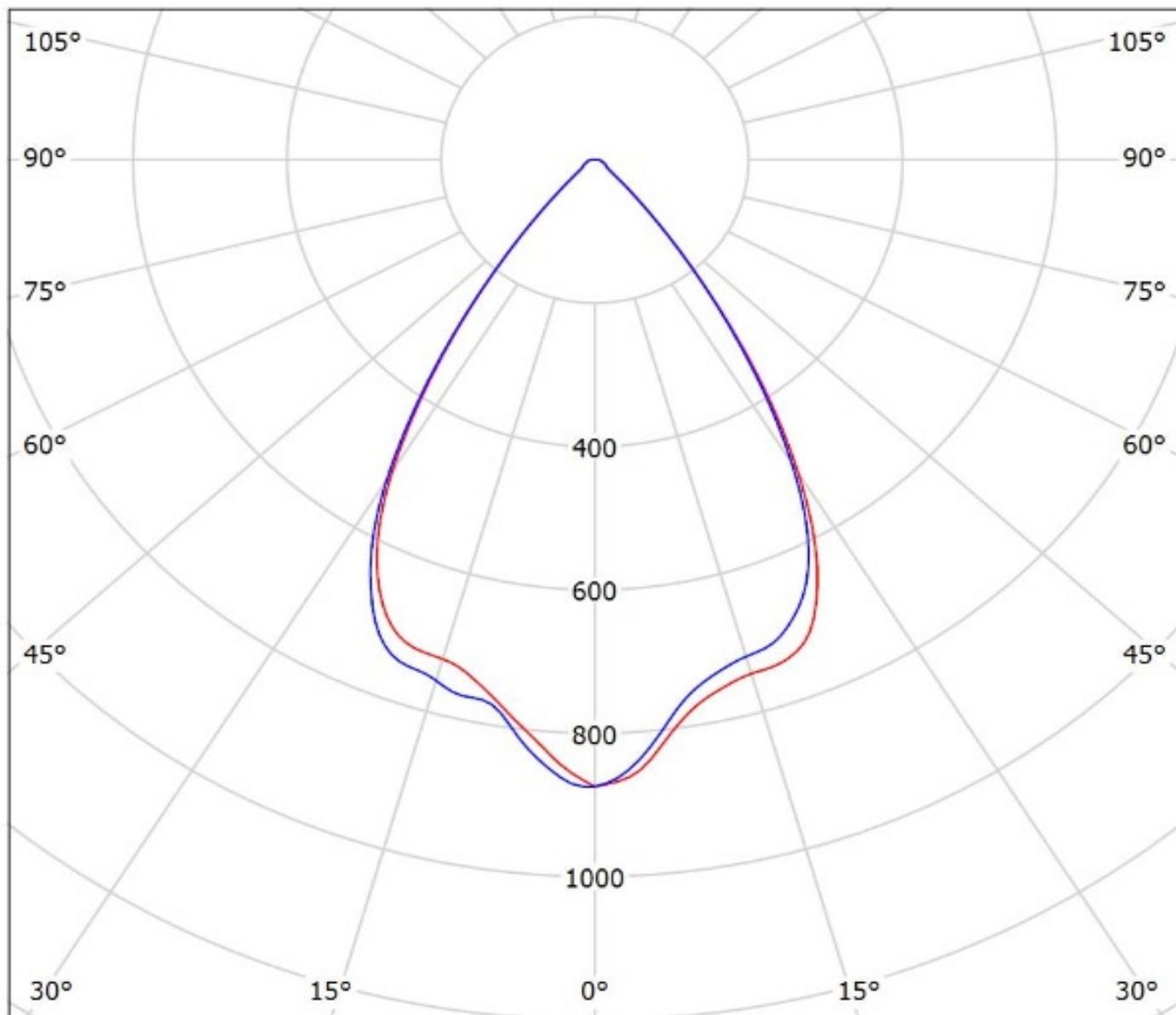
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: Ledil Oy C14606_HB-2X2-WW_(Luxeon_MZ)_SIMULATED
Lamps: 1 x Lumileds Luxeon MZ

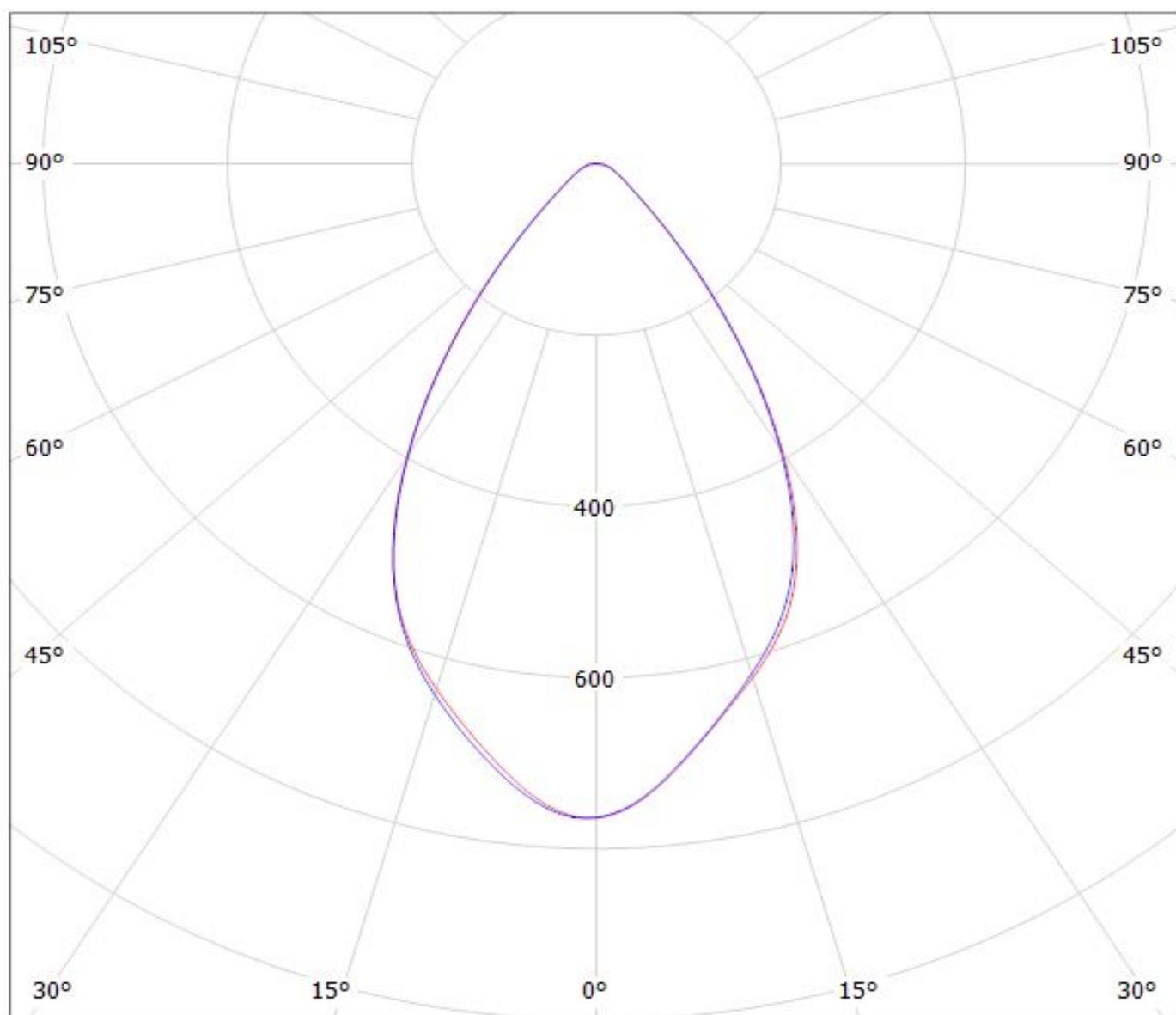


cd/klm
— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy C14606_HB-2X2-WW_(NWSL229AE)

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



cd/klm

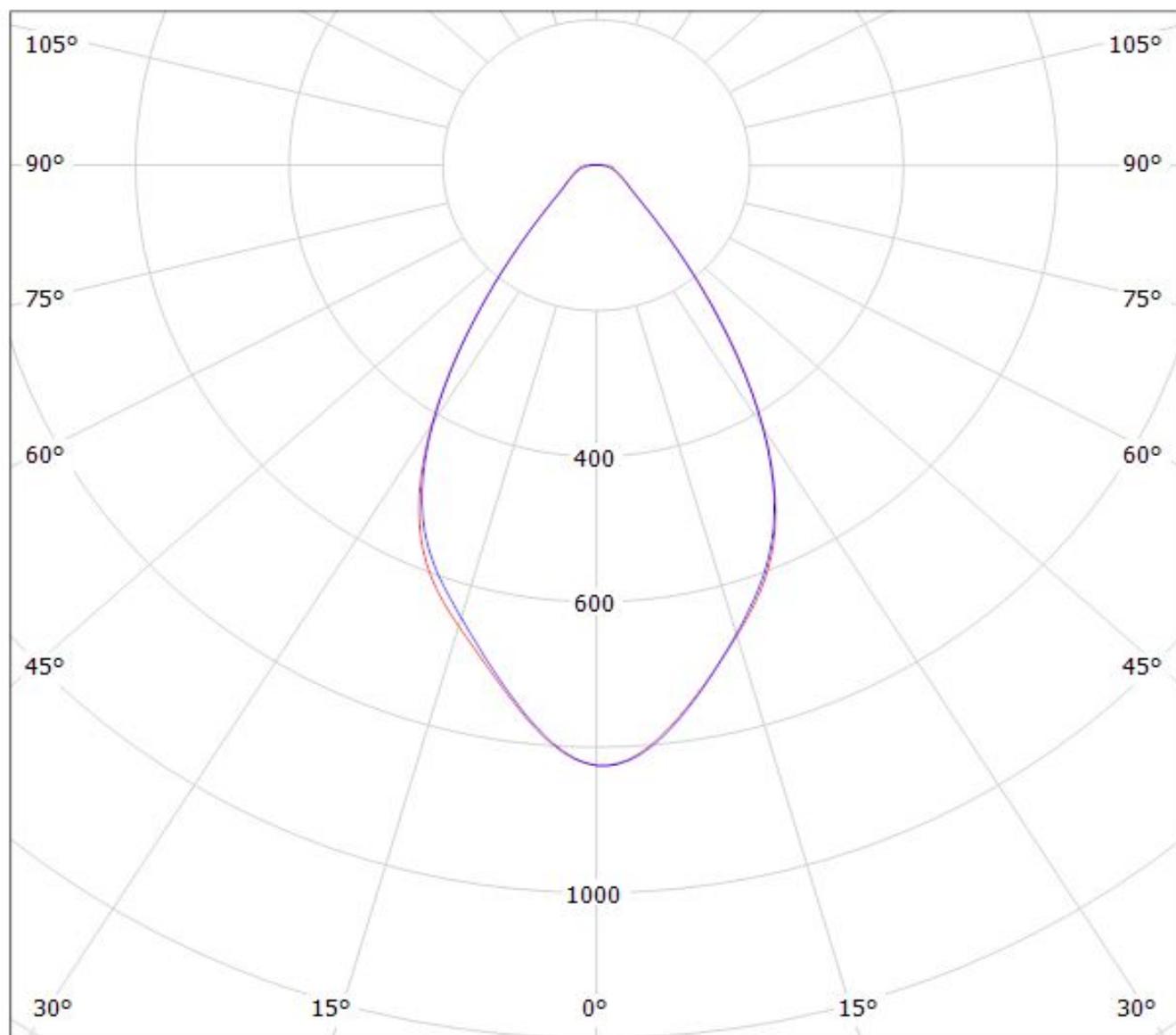
— C0 - C180

— C90 - C270

$\eta = 85\%$

Luminaire: LEDiL Oy C14606_HB-2X2-WW_(NVSW319AE)

Lamps: 1 x Nichia_NVSW319AE_(sm405D440f2L2R70)_500.359lm@250mA_P=2.79351W_I=0.25A



cd/klm

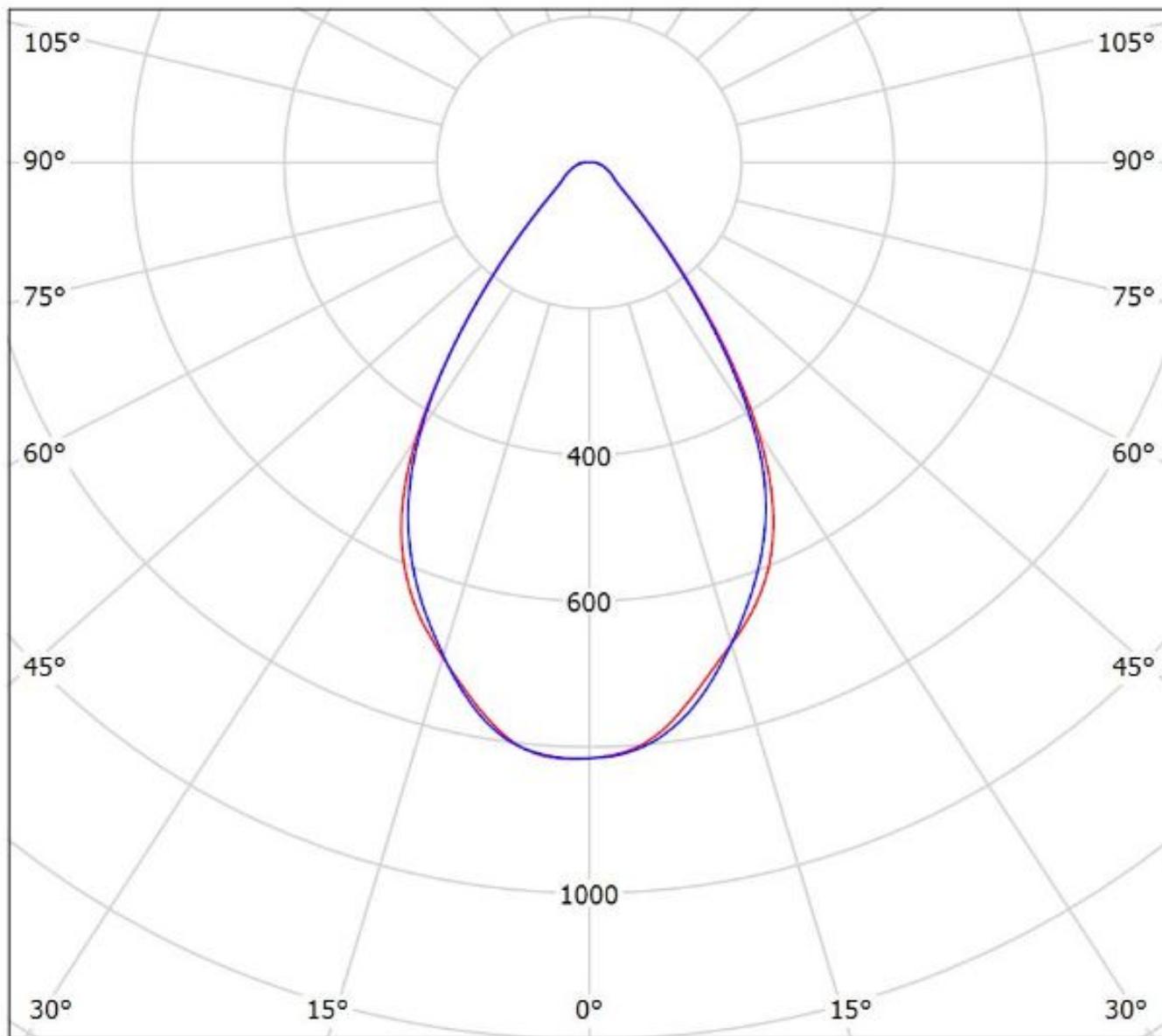
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: Ledil C14606_HB-2X2-WW_(Square_Gen3)

Lamps: 1 x Osram_Square_Gen3_(GW_CSSRM2.PM)_461.082lm@250mA_P=2.79075W_I=0.250A

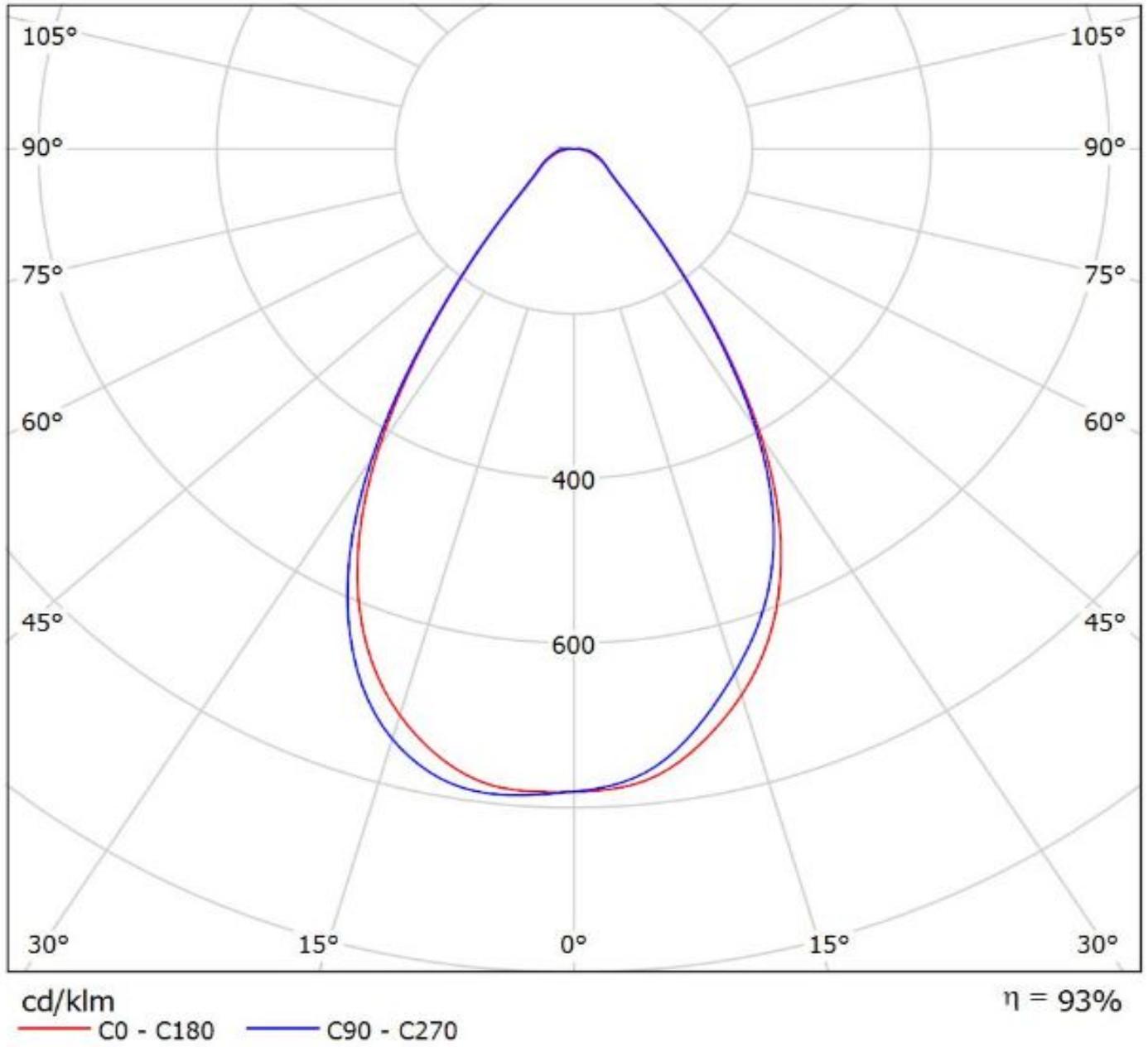


cd/klm

— C0 - C180 — C90 - C270

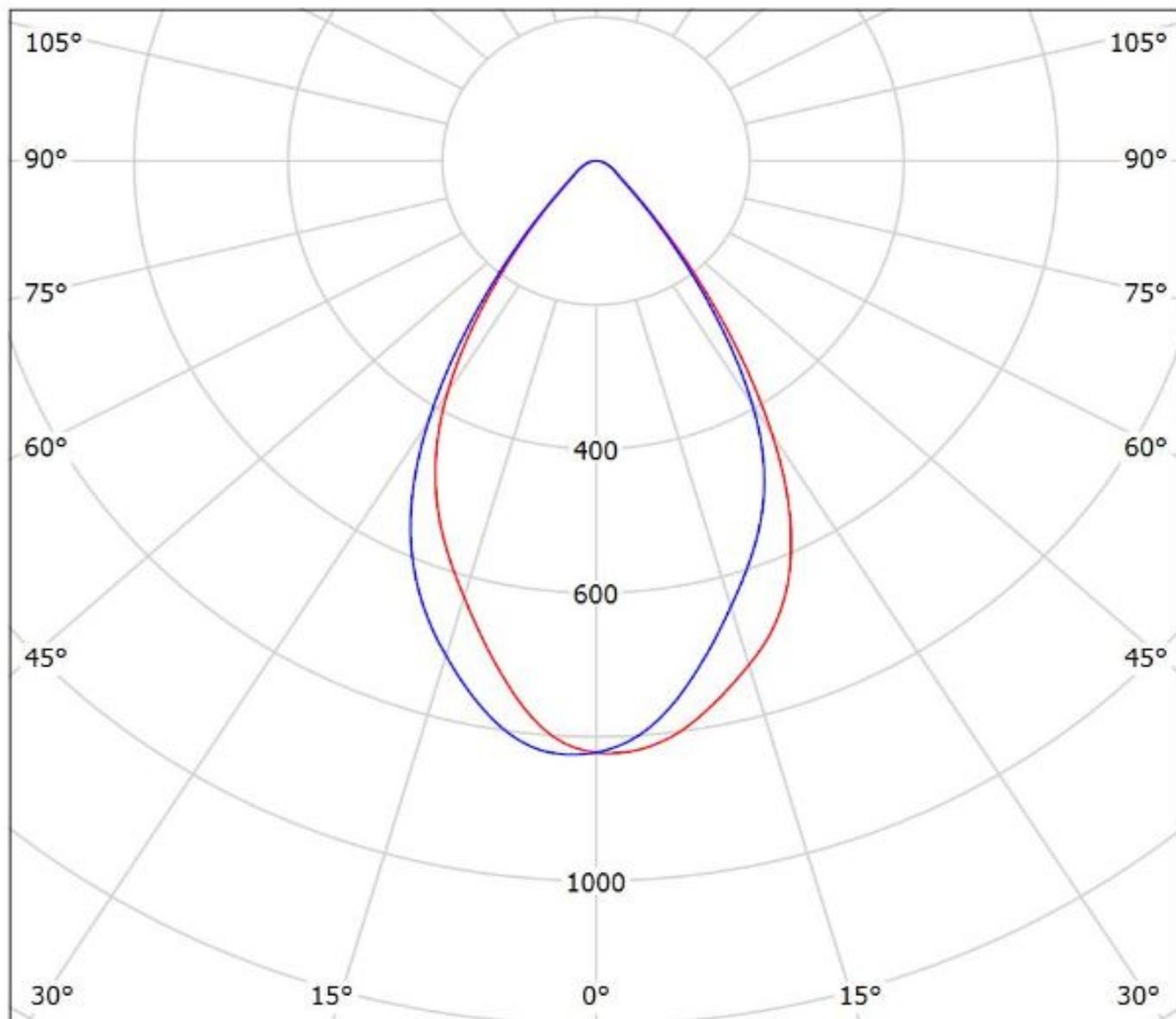
$\eta = 92\%$

Luminaire: Ledil C14606_HB-2X2-WW_(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 C14606_HB-2X2-WW_(LH351B)

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



cd/klm

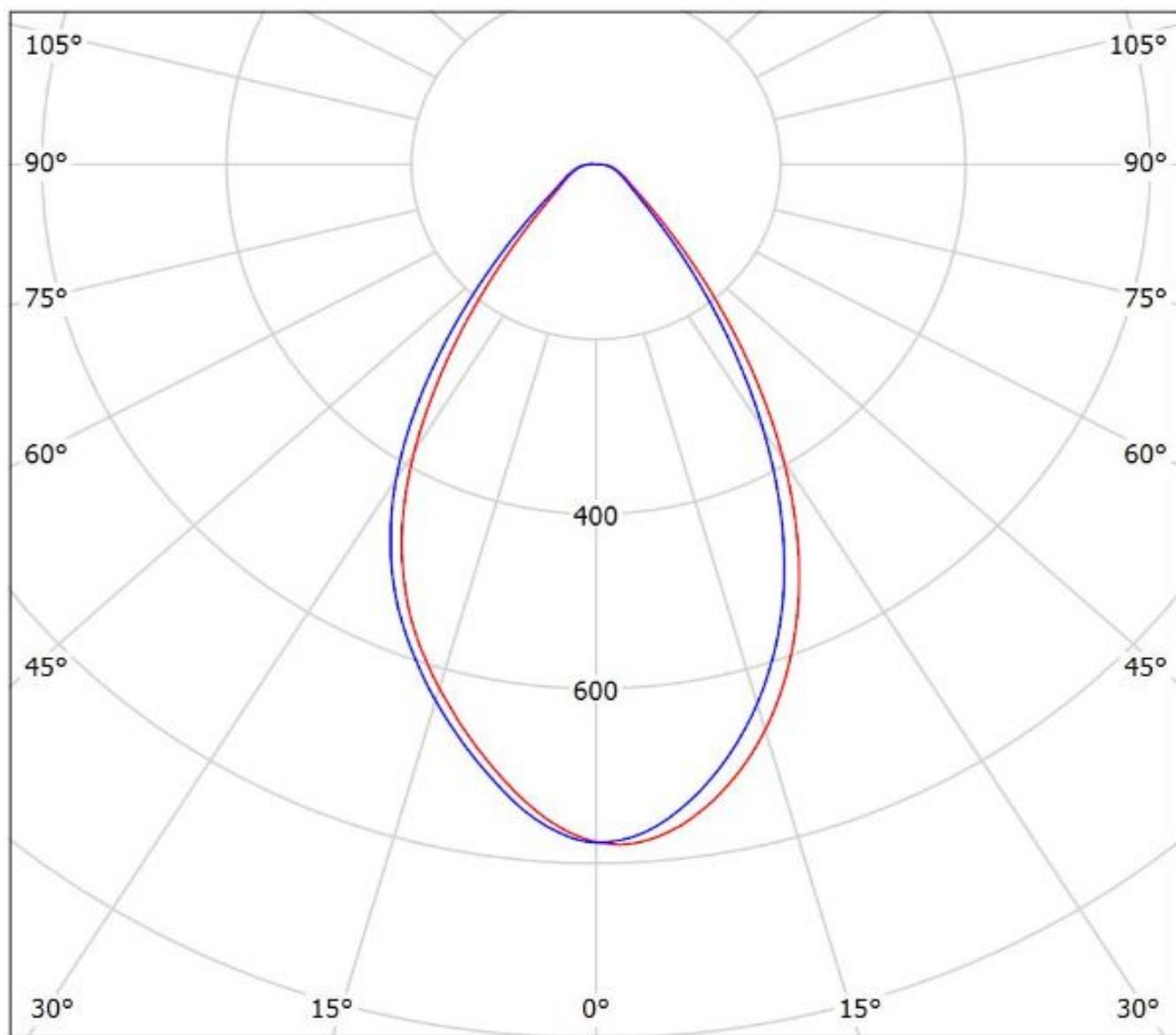
— C0 - C180

— C90 - C270

$\eta = 85\%$

Luminaire: Ledil C14606_HB-2X2-WW_(LH351D)

Lamps: 2 x Samsung_LH351D_536.957lm@250mA_P=2.7695W_I=0.250A



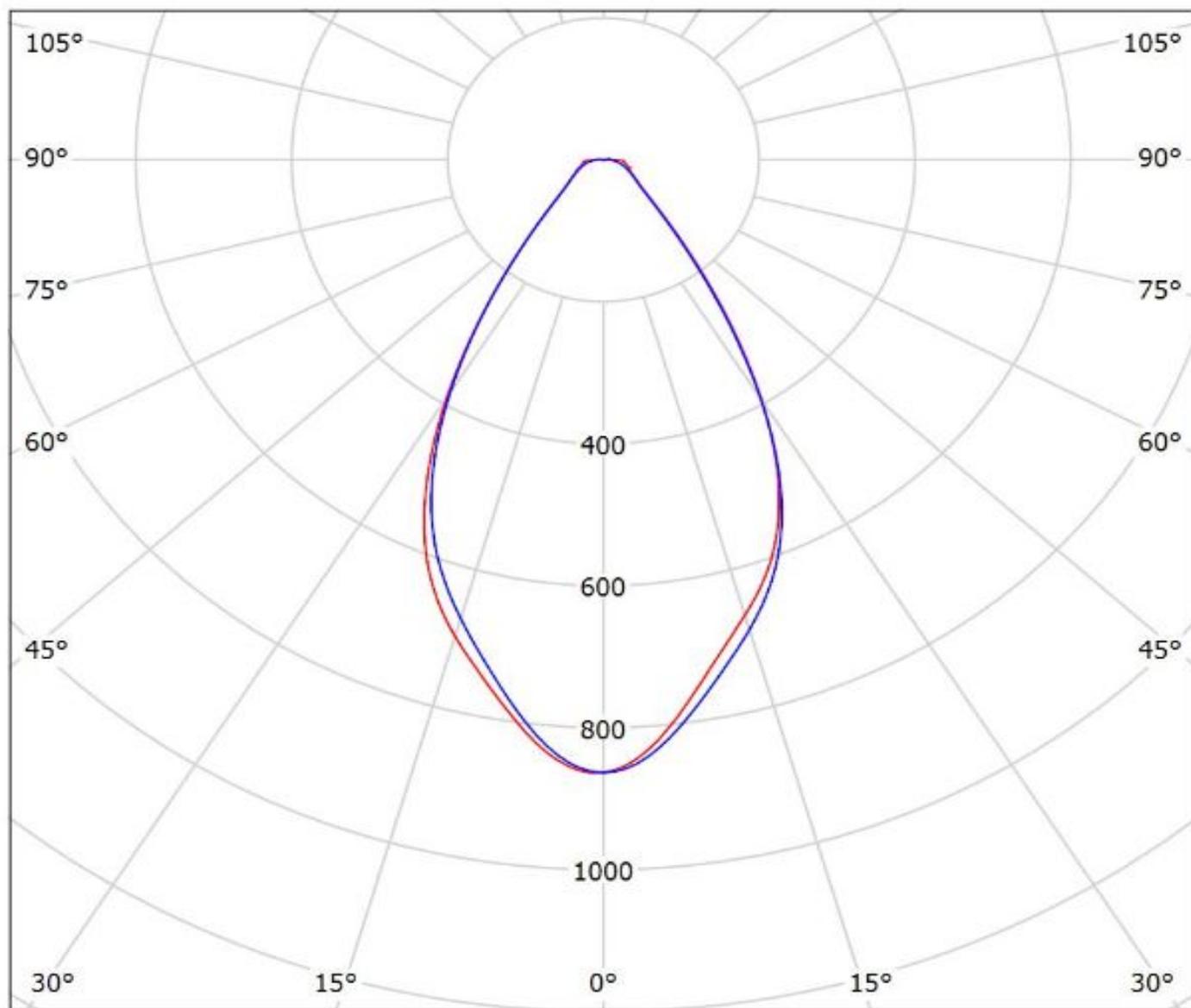
cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: Ledil C14606_HB-2X2-WW_(Z8Y22plus)

Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_513.996lm@250mA_P=2.754W_I=0.250A



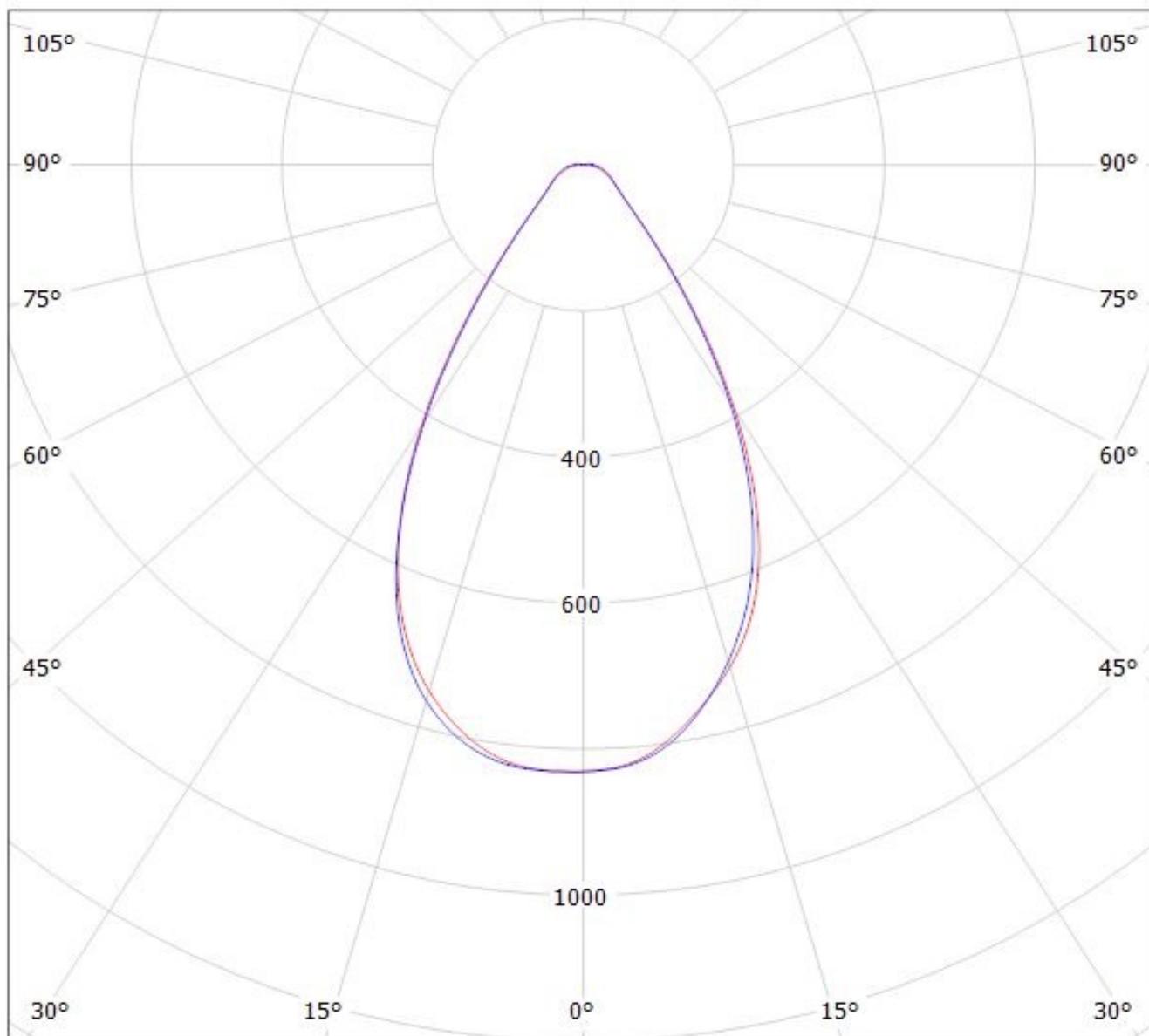
cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy C14606_HB-2X2-WW_(Tridonic_Module_RLE_G1)

Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A



cd/klm

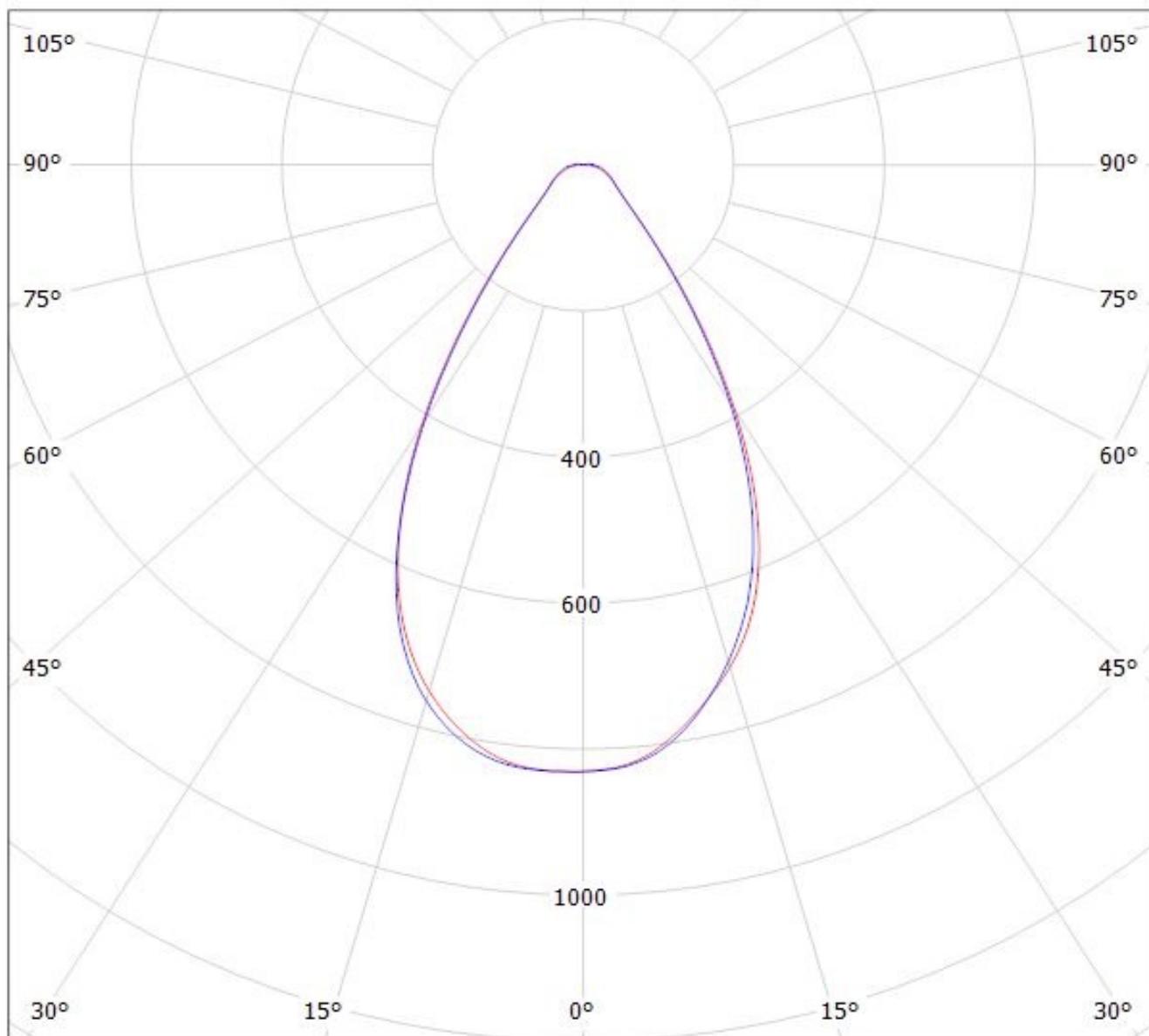
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C14606_HB-2X2-WW_(Tridonic_Module_RLE_G1)

Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A



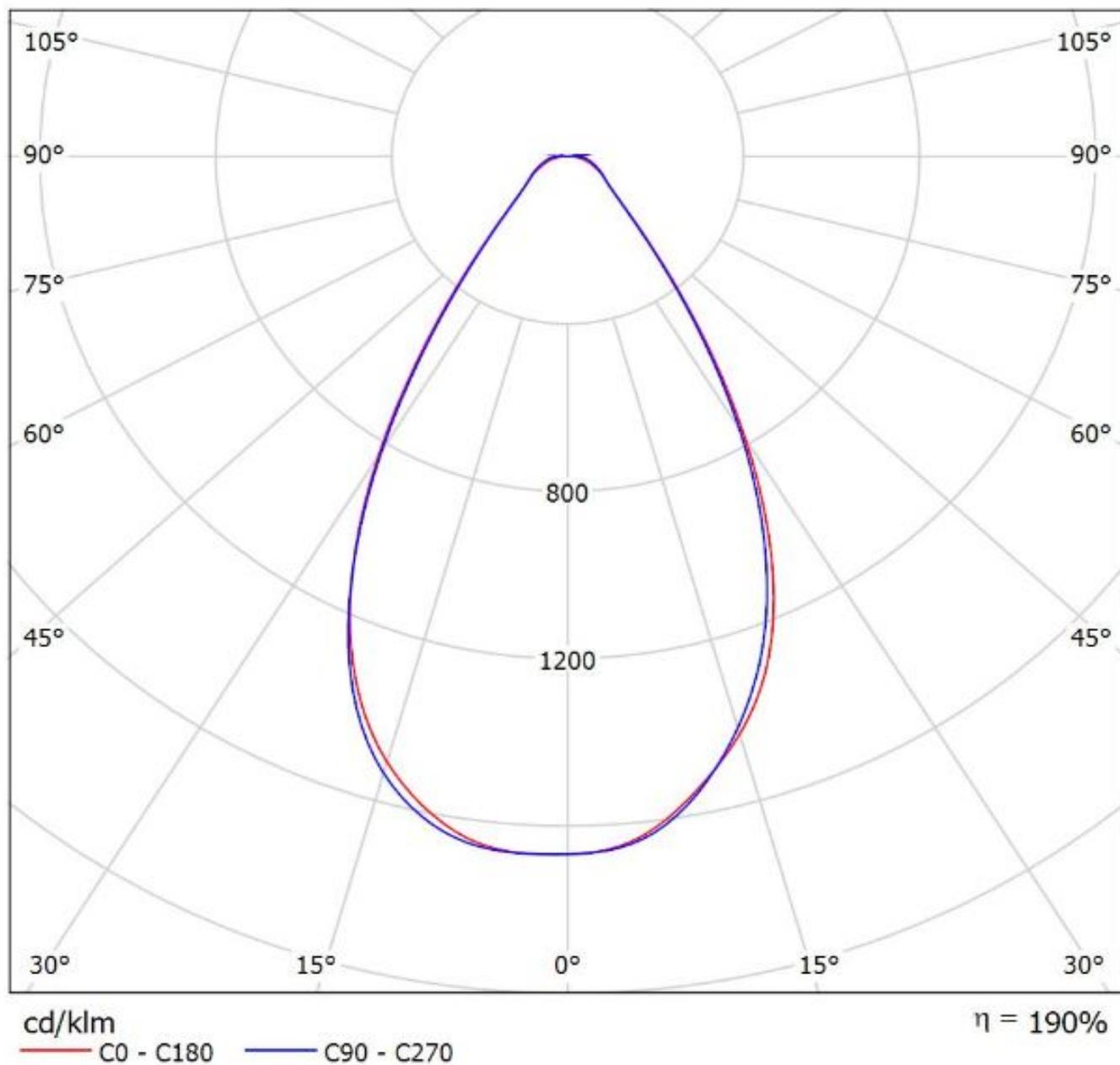
cd/klm

— C0 - C180

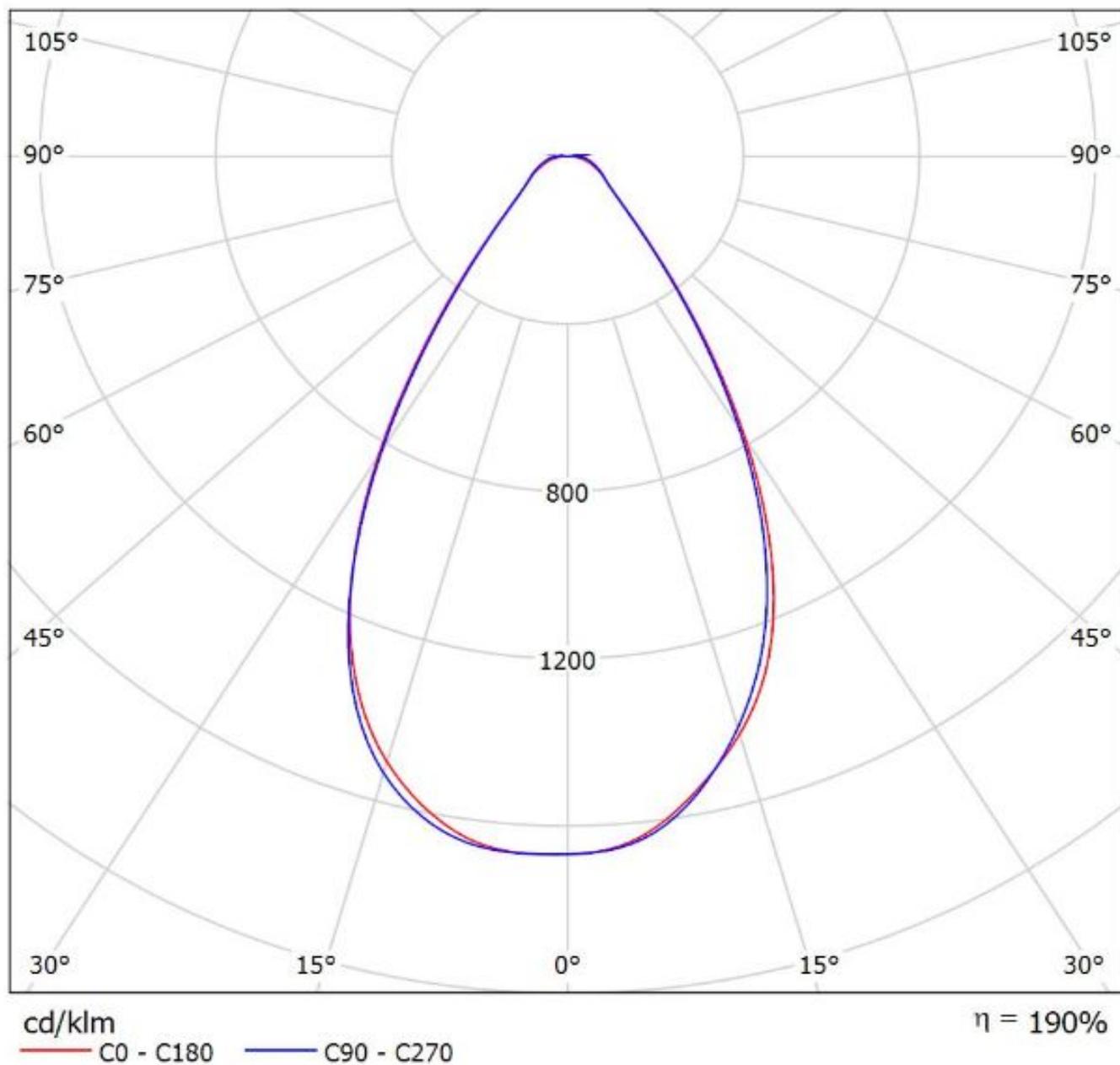
— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C14606_HB-2X2-WW_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_2288lm@700mA_P=16W_I=0.700A



Luminaire: LEDiL Oy C14606_HB-2X2-WW_(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.