

DETAILS

Product Number	C13499_STRADA-2X2-CY
Family	Strada
Type	Lens array
Color	clear
Diameter	50x50 mm
Height	7,85 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	screw
Status	production ready
ROHS Compliant	Yes
Date Updated	21/04/2016



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XM-L	126+126 deg	Streetligh...	94 %	0.320	-
XP-G	131+131 deg	Streetligh...	94 %	0.320	-
XT-E	136+136 deg	Streetligh...	94 %	0.300	-
XM-L2	121+121 deg	Streetligh...	94 %	0.300	-
XP-L	131 deg	Streetligh...	94 %	0.320	-
XP-L HI	127+127 deg	Streetligh...	94 %	0.330	-
XP-G2	129+129 deg	Streetligh...	94 %	0.340	-
XP-G3	131+132 deg	Streetligh...	94 %	0.330	-
XP-L2	127+127 deg	Streetligh...	94 %	0.300	-
MHB-A	sim: 117+116	Streetligh...	sim: 94 %	sim: 0.320	-
H35C1 (LEMWA33)	126+126 deg	Streetligh...	94 %	0.340	-
LUXEON T	127+127 deg	Streetligh...	94 %	0.340	-
LUXEON Q	134+134 deg	Streetligh...	94 %	0.300	-
LUXEON MZ	123 deg	Streetligh...	94 %	0.350	-
LUXEON TX	123+123 deg	Streetligh...	94 %	0.330	-
LUXEON 5050	121+121 deg	Streetligh...	94 %	0.320	-
NVSxx19B/NVSxx19C	sim: 122+122	Streetligh...	sim: 94 %	sim: 0.391	-
NVSxE21A	125+125 deg	Streetligh...	94 %	0.390	-
NVSW3x9A	129+128 deg	Streetligh...	94 %	0.340	-
Oslon Square PC	122+122 deg	Streetligh...	94 %	0.330	-
Oslon Square Gen3	sim: 122+122	Streetligh...	sim: 92 %	sim: 0.400	-
Duris S8	sim: 114	Streetligh...	sim: 92 %	sim: 0.380	-
Duris P8	sim: 114	Streetligh...	sim: 93 %	sim: 0.380	-
Fortimo FastFlex LED board 2x8 DA G4	125+125 deg	Streetligh...	94 %	0.360	-
LH351B	126+126 deg	Streetligh...	94 %	0.340	-



PRODUCT DATASHEET

Strada series

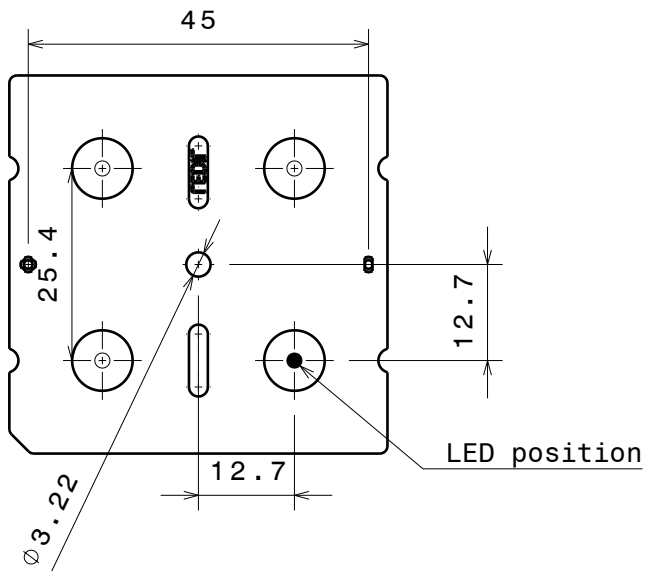
last update 21/4/2016

OPTICAL PROPERTIES

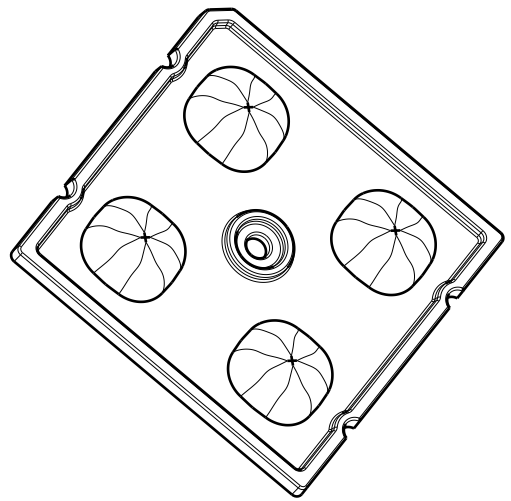
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
LH351D	sim: 120+120	Streetligh...	sim: 92 %	sim: 0.350	-
LH351C	123+123 deg	Streetligh...	94 %	0.350	-
LH508A	122+122 deg	Streetligh...	94 %	0.320	-
Z5M1/Z5M2	122+122 deg	Streetligh...	94 %	0.400	-
TL1L3	118+118 deg	Streetligh...	94 %	0.290	-
TL1L4	119+119 deg	Streetligh...	91 %	0.360	-
RLE G1 49x223mm 4000lm xxx EXC OTD	19+117 deg	Streetligh...	94 %	0.350	-
RLE G1 49x245mm 4000lm xxx EXC OTD	19+117 deg	Streetligh...	94 %	0.350	-
RLE G1 49x121mm 2000lm xxx EXC OTD	19+117 deg	Streetligh...	94 %	0.350	-
RLE G1 49x133mm 2000lm xxx EXC OTD	19+117 deg	Streetligh...	94 %	0.350	-

D C B A

4

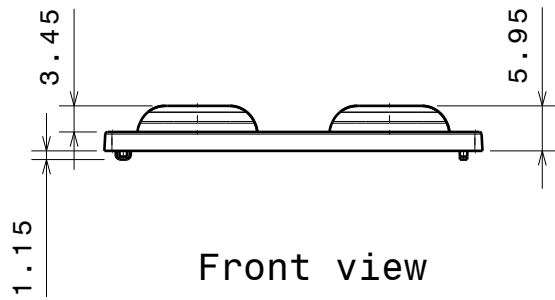


Bottom view

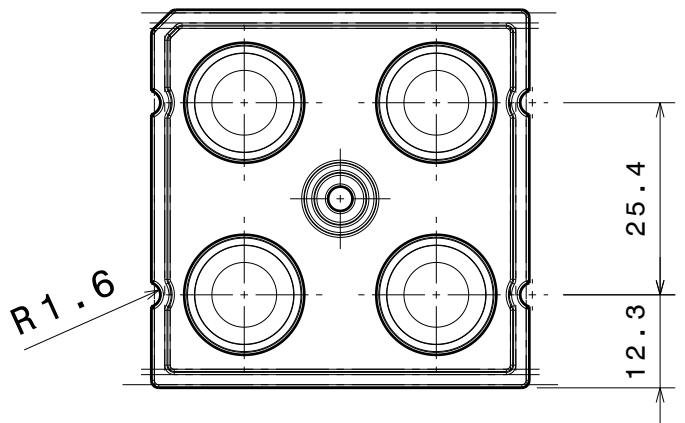


Isometric view

3



Front view



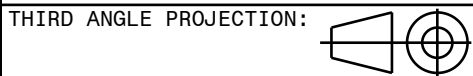
Top view

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

LEDiL Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland



THIRD ANGLE PROJECTION:
DRAWING TITLE
C13499_STRADA-2X2-CY

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SIZE	PART NUMBER		
A4	-		
SCALE	1:1	WEIGHT	-
SHEET			1/1

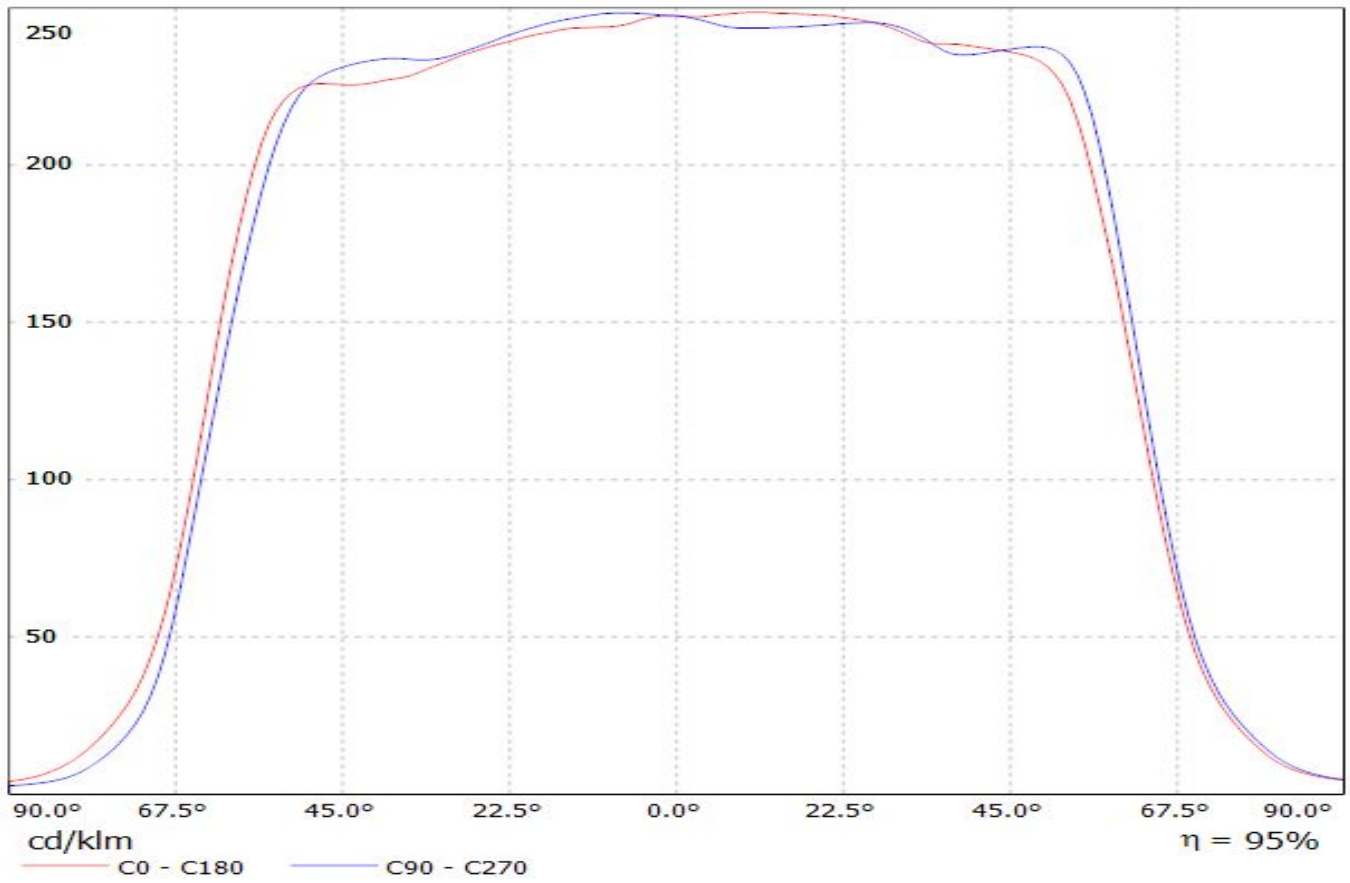
1

1

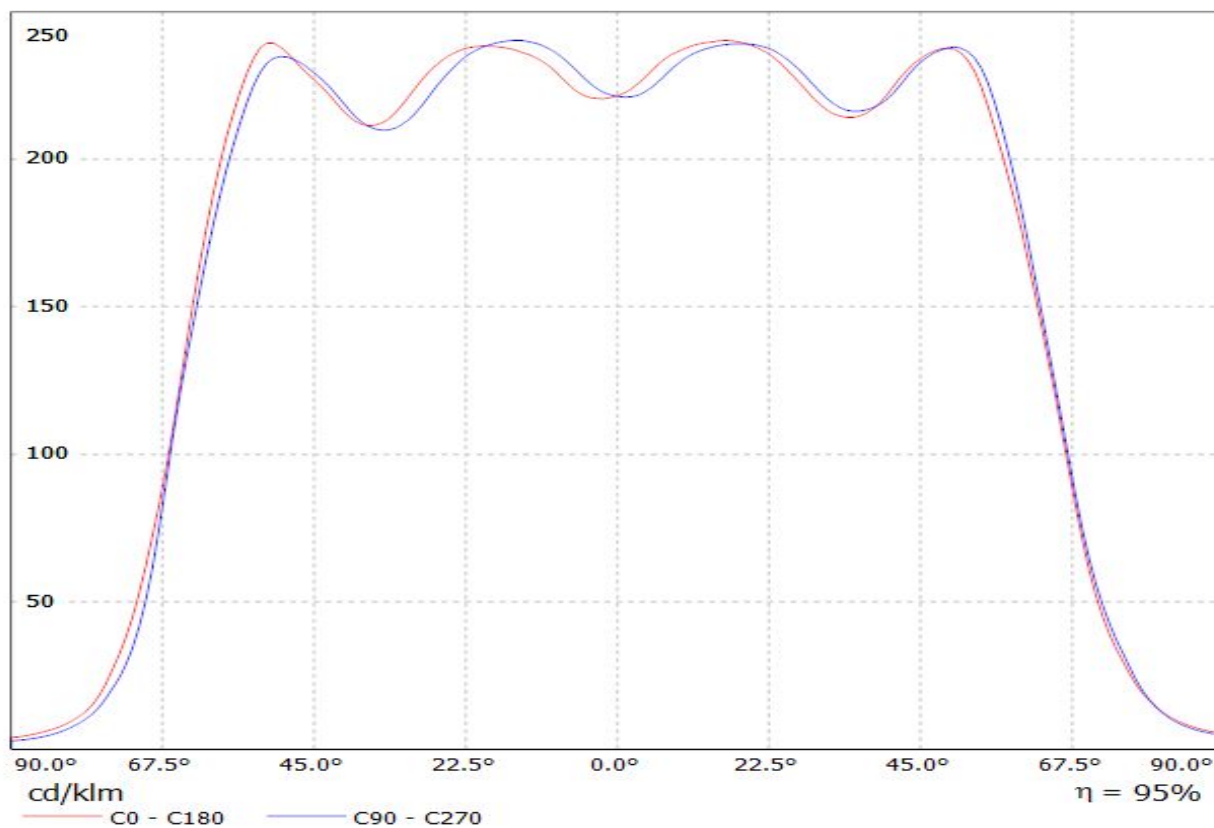
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A

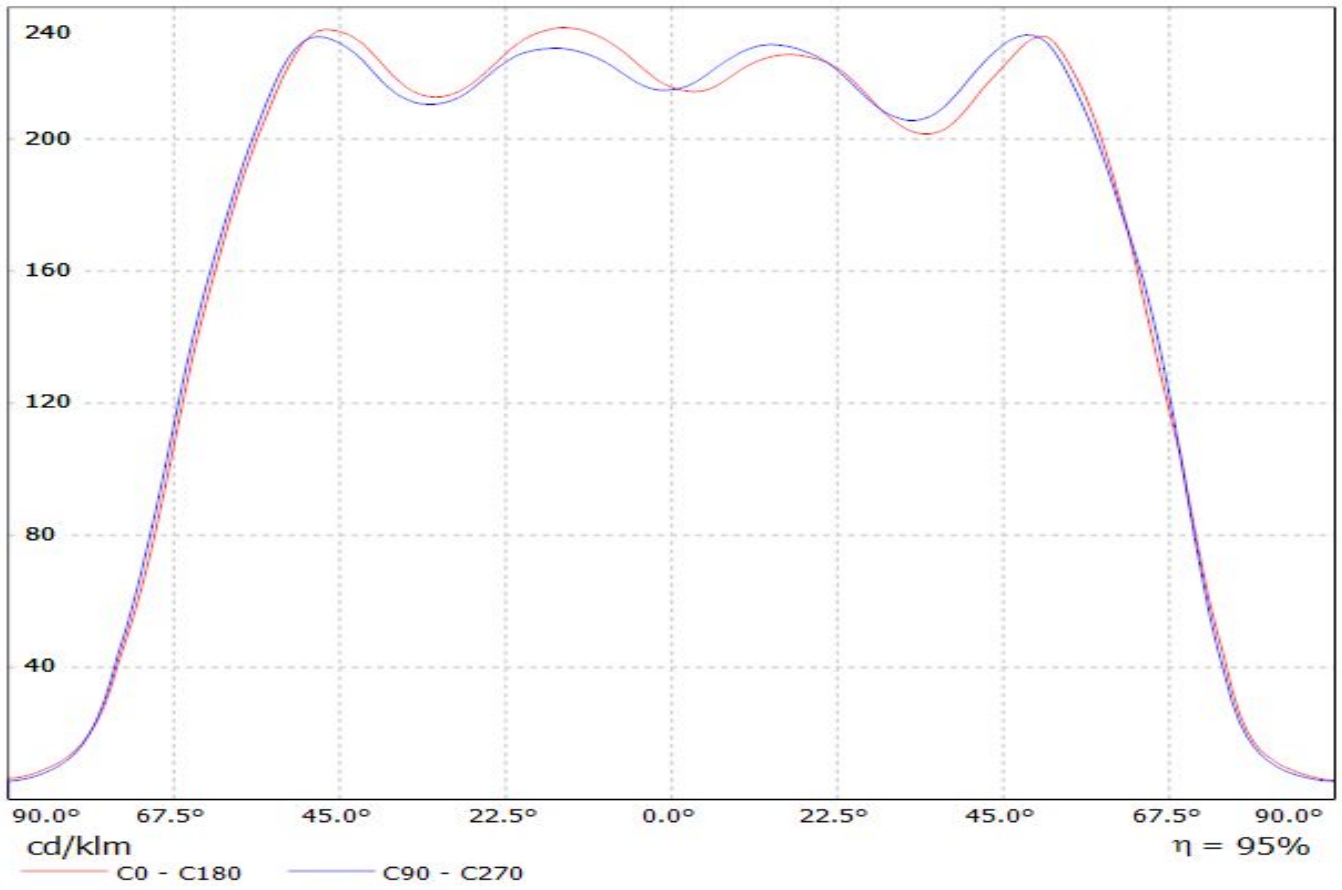
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XM-L) Eff. 94%
Lamps: 1 x CREE_XM-L_2x2_354.749lm@250mA_P=2.82762W_I=249.9mA



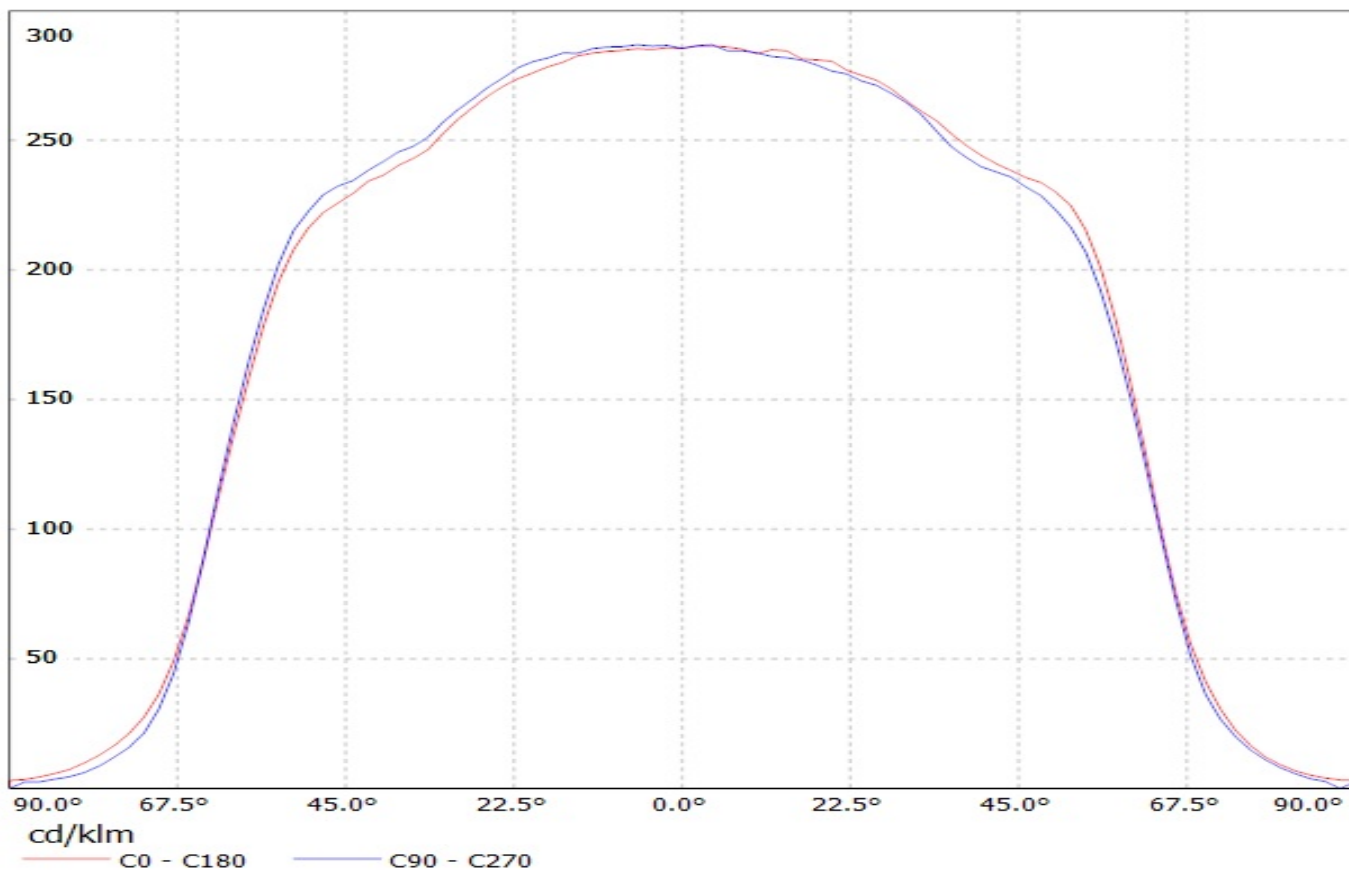
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XP-G) Eff. 94%
Lamps: 1 x CREE_XP-G_2x2_253.946lm@250mA_P=2.89059W_I=249.9mA



Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XT-E) Eff.94%
Lamps: 1 x CREE_XT-E_2x2_393lm@250mA

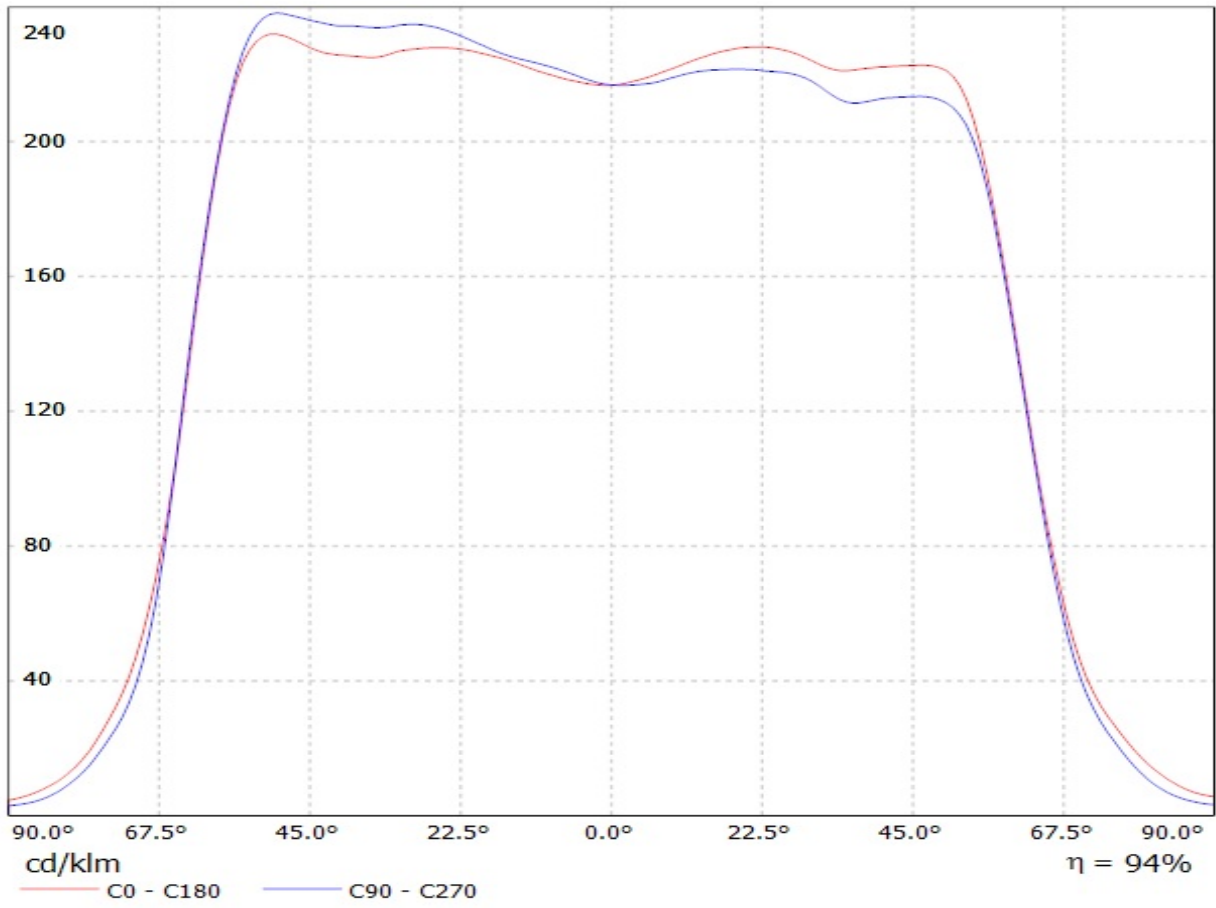


Luminaire: LEDil Oy C13499_STRADA-2X2-CY_(XM-L2) Efficiency=94%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 356lm @ 250mA CCT=3200K P=2.8W I=250mA

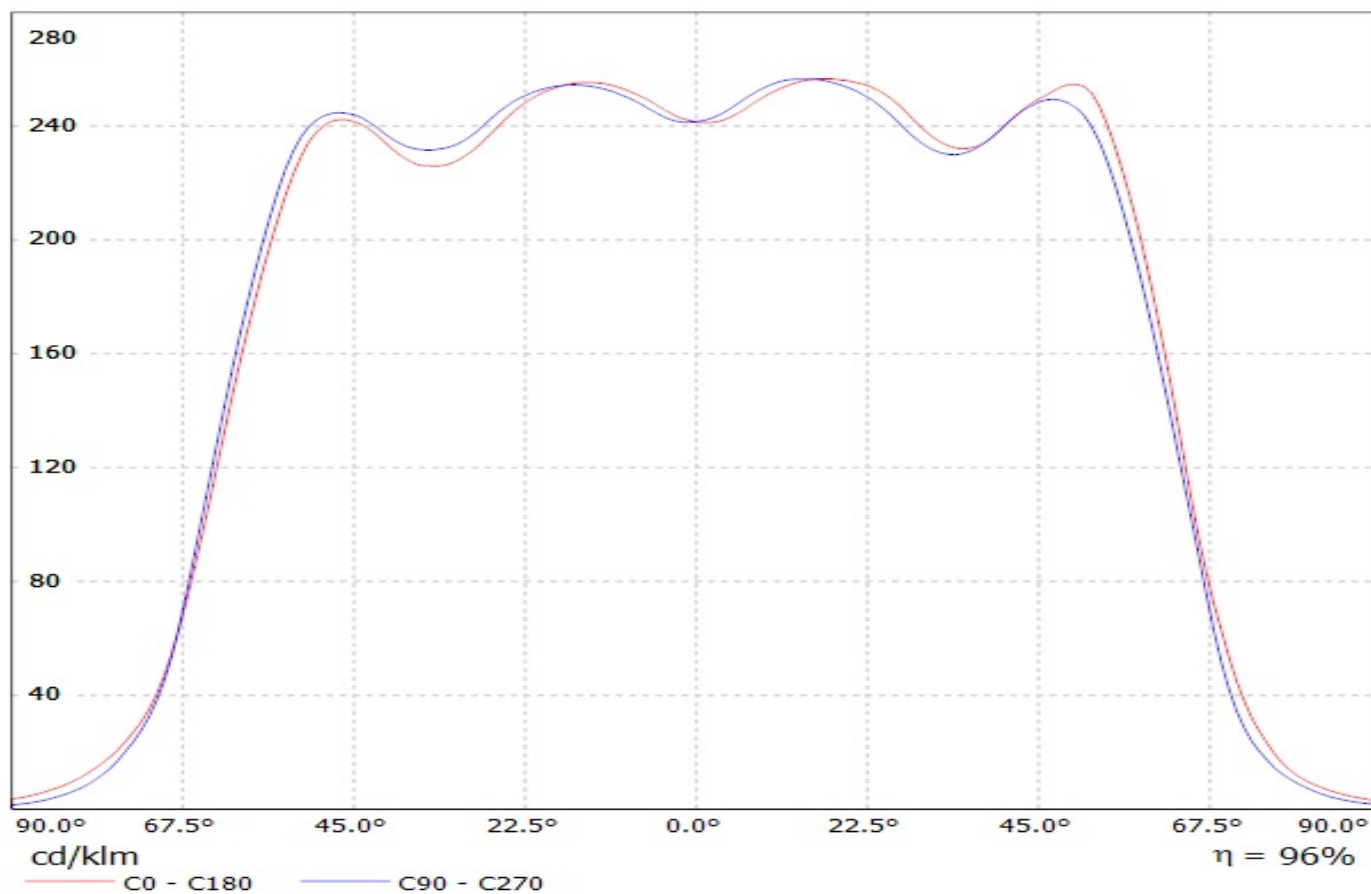


Luminaire: LEDiL Oy C13499_STRADA-2x2-CY_(XP-L)

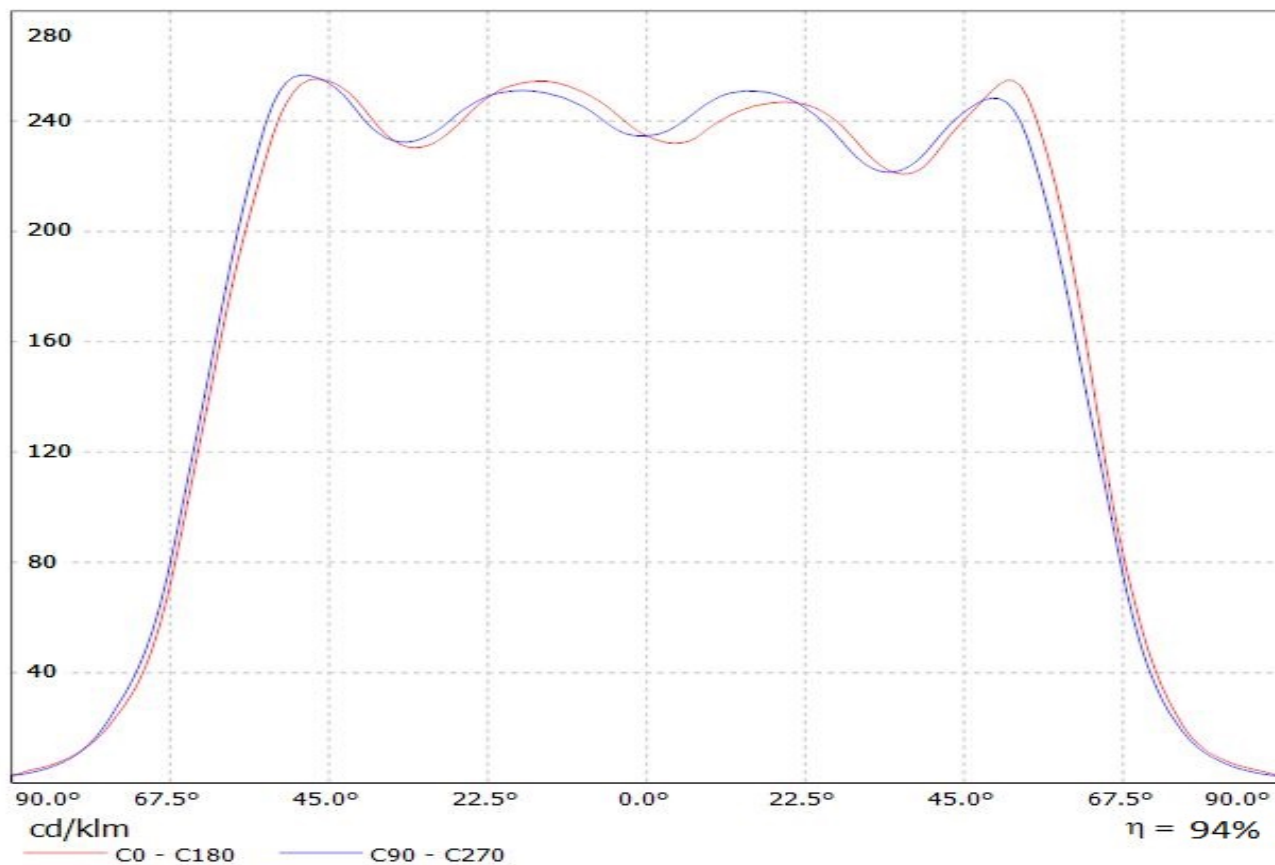
Lamps: 1 x CREE_XP-L_2x2_(XPLAWT-0-1B0-V40-00-0001)_515.57lm@250mA_CCT=7600K_P=2.79963W_I=249.9mA



Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XP-L_HI)
Lamps: 1 x Cree_XP-L_HI_(2x2)_(XPLAWT-H-5A3-U60-013-0001)
_455.077lm@250mA_P=2.84011W_I=0,2499A

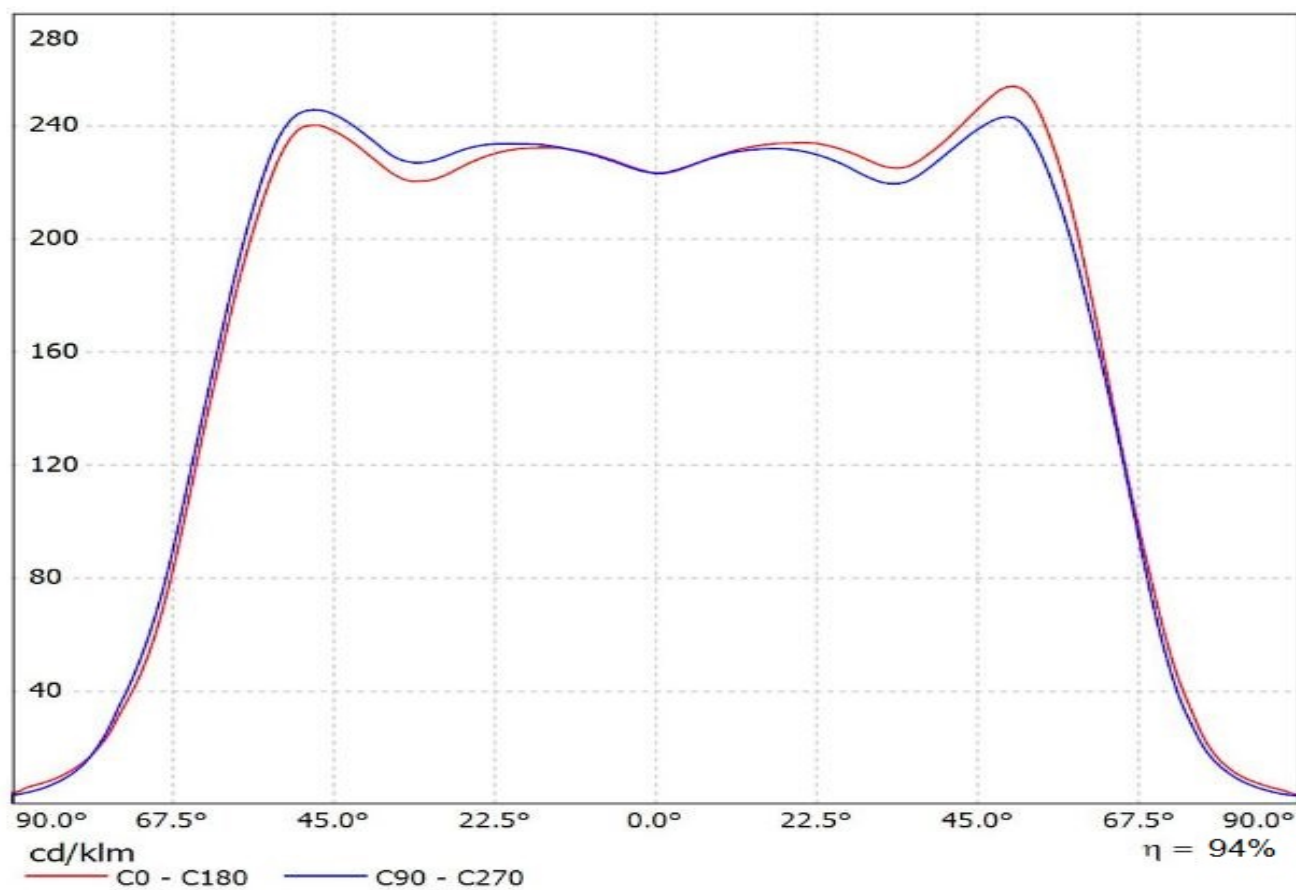


Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XP-G2)
Lamps: 1 x Cree_XP-G2_(XPGBWT-L1-000-00-G51)_411.002lm@250mA_P=2.95164W_I=0.250A



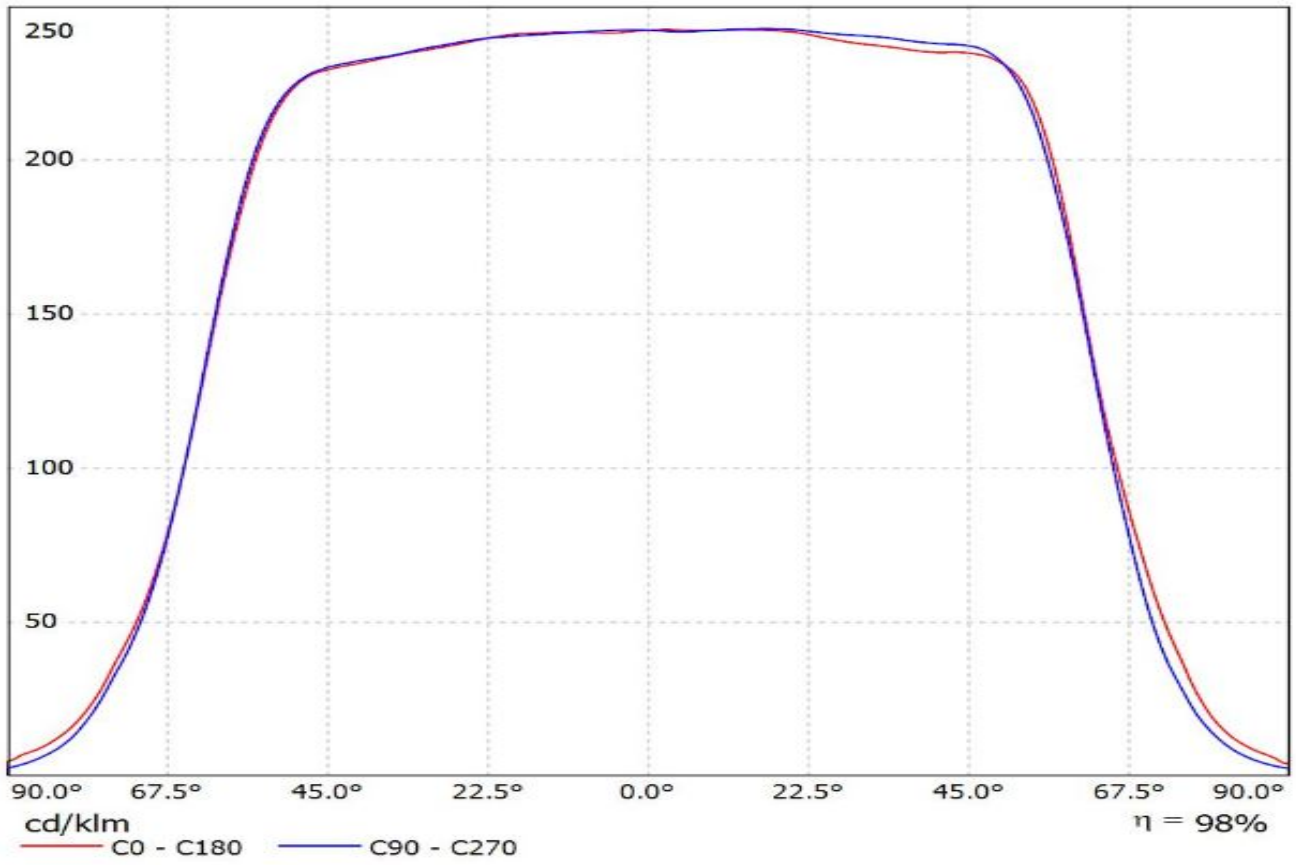
Luminaire: Ledil C13499_STRADA-2X2-CY_(XP-G3)

Lamps: 1 x Cree_XP-G3_2x2_(XPGDWT-B1-3C0-S4-0-01)_516.212lm@250mA_P=2.78875W_I=0.250A

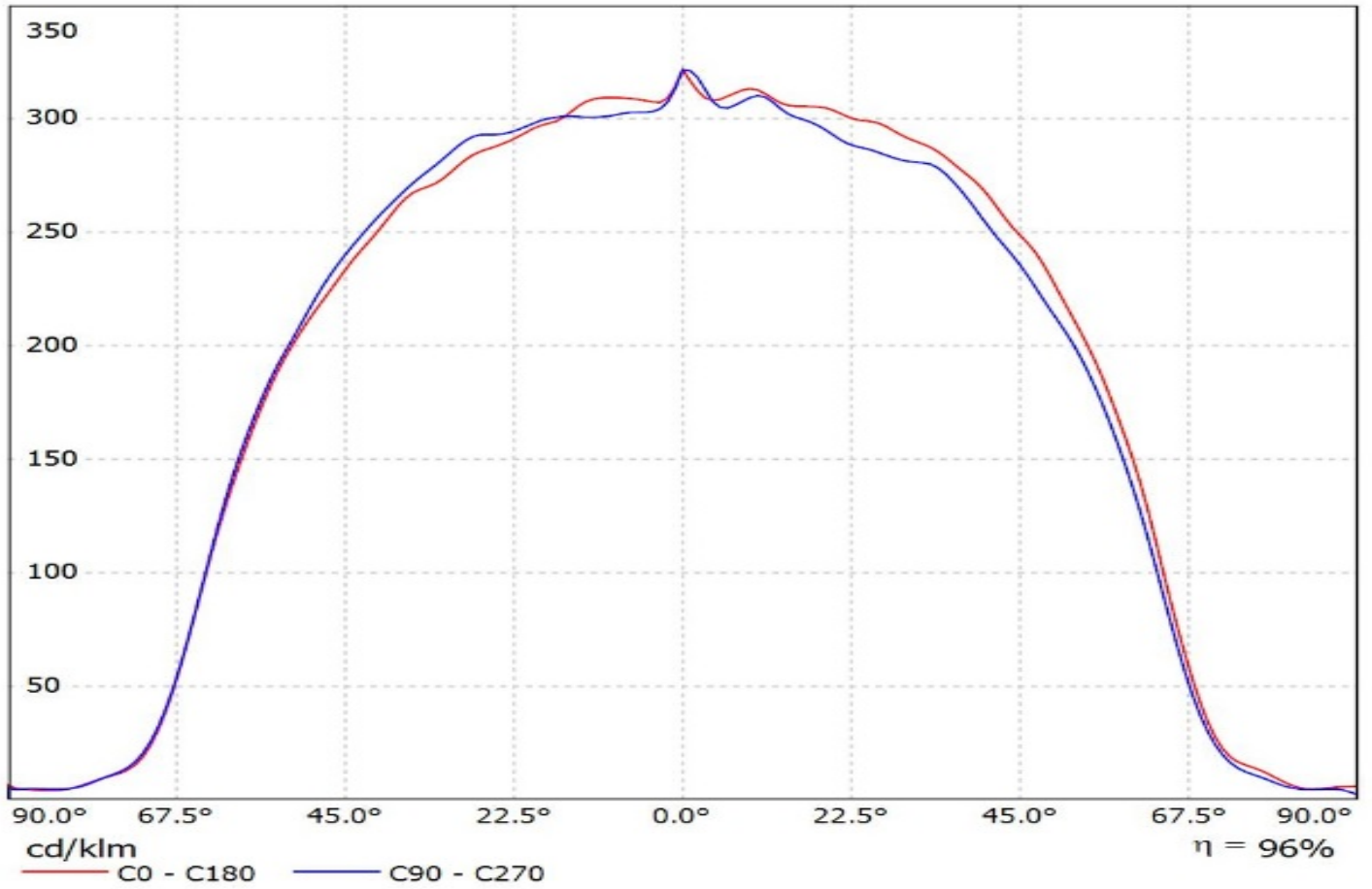


Luminaire: Ledil C13499_STRADA-2X2-CY_(XP-L2)

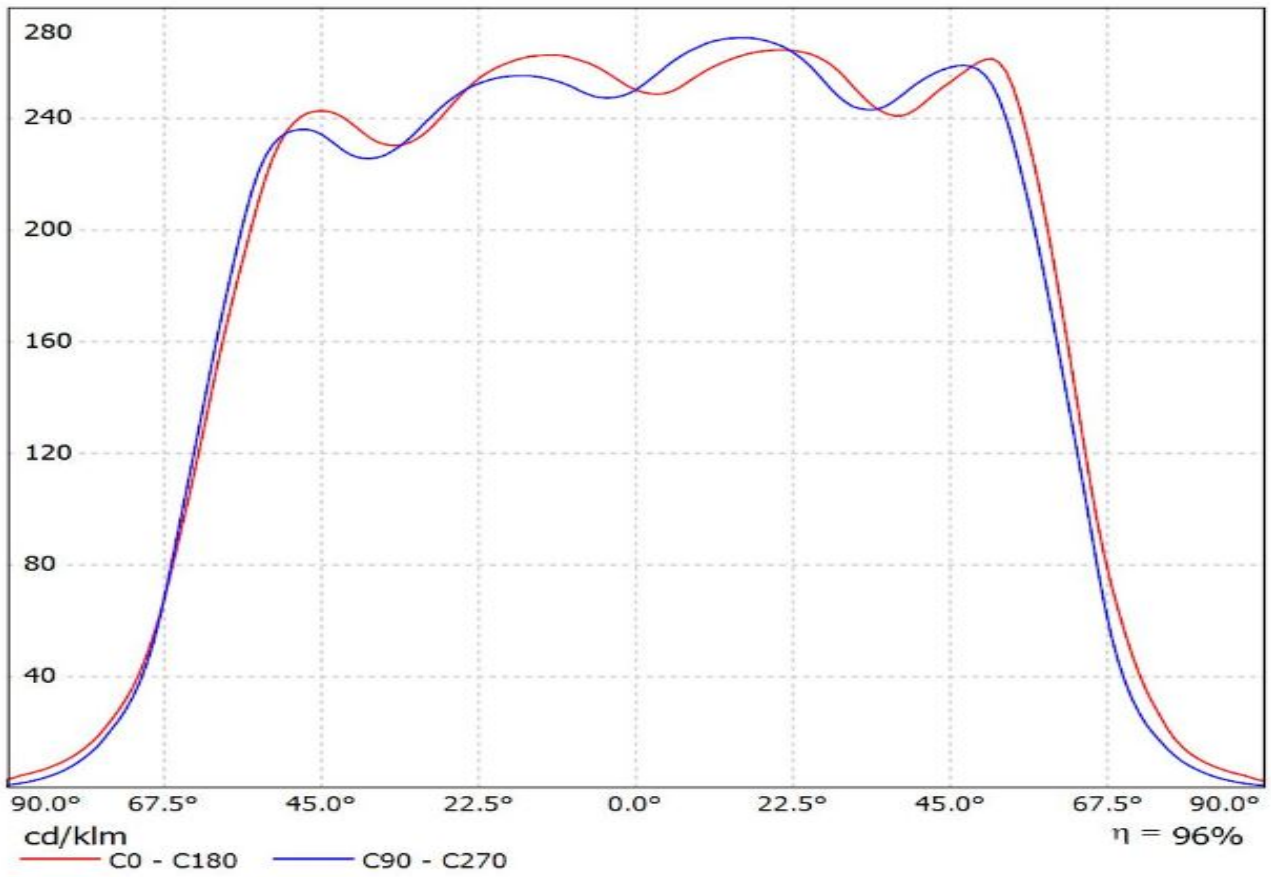
Lamps: 1 x Cree_XP-L2_2x2_(XPLBWT-00-0000-000BV50E3)550.93lm@250mA_P=2.7815W_I=0.25A



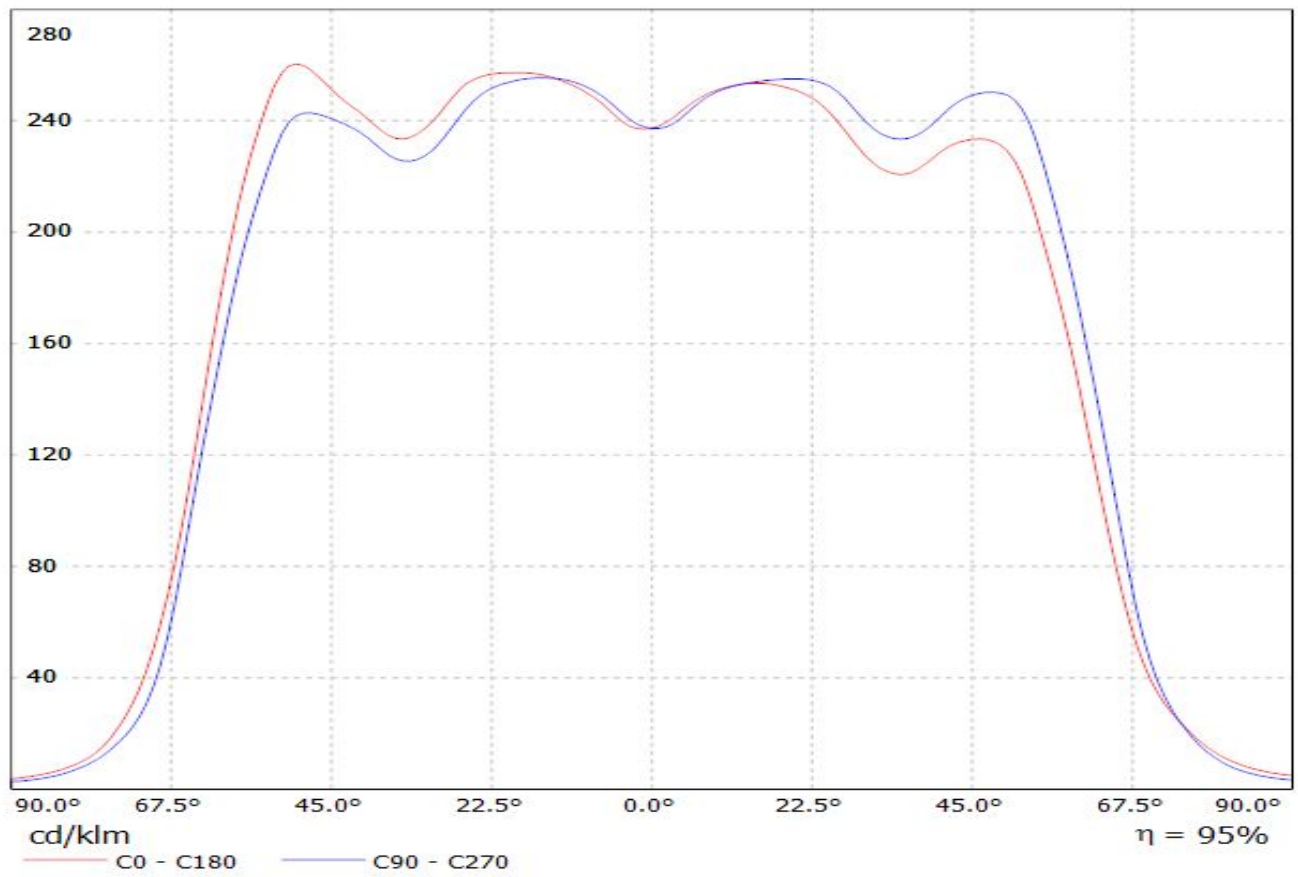
Luminaire: Ledil Oy C13499_STRADA-2X2-CY_(MHB-A)_SIMULATED
Lamps: 1 x Cree MHB-A



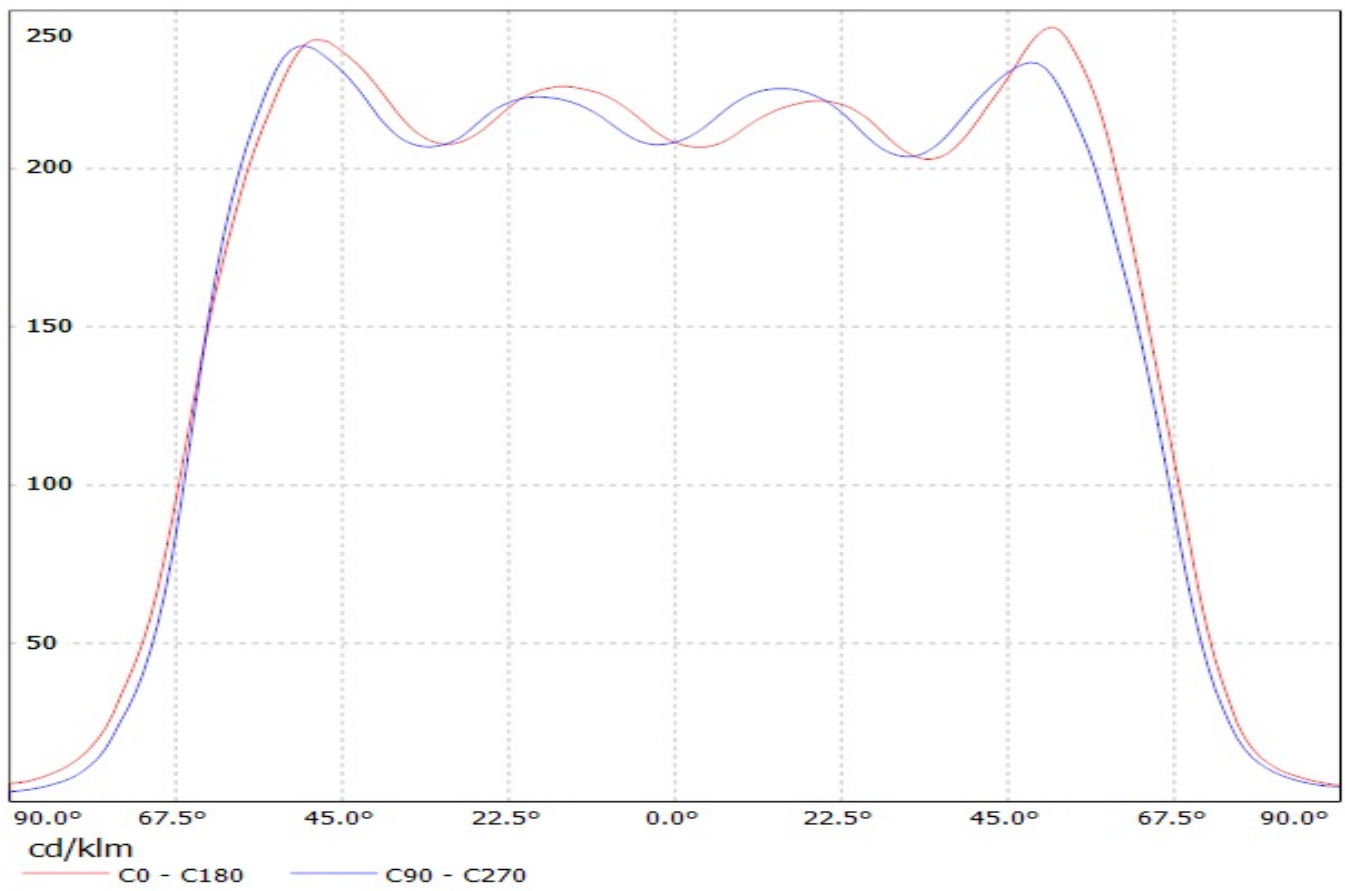
Luminaire: Ledil C13499_STRADA-2X2-CY_(H35C1)
Lamps: 1 x LG_H35C1_2x2_477.216lm@250mA_P=2.87475W_I=0.250A



Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(LUXEON_T) Eff. 94%
Lamps: 1 x LUXEON_T_2x2_(LXH8-FW30-3)_293lm@250mA_CCT=3173K_P=2.79801W_I=249.8mA

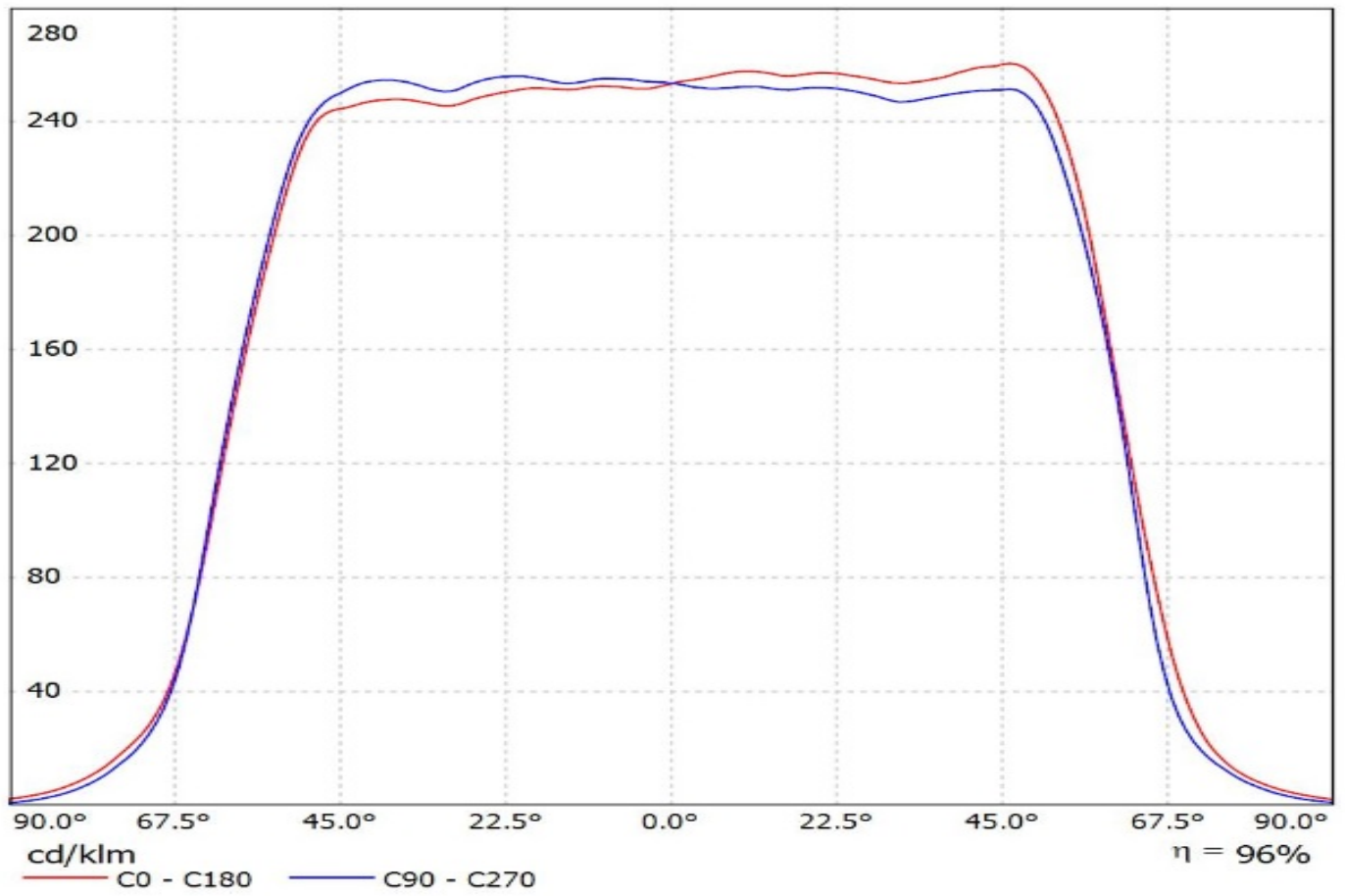


Luminaire: LEDiL Oy C13499_STRADA-2x2-CY_(LUXEON_Q) Eff. 94%
Lamps: 1 x LUXEON_Q_2x2_(LHQ-3080)_308lm@250mA_P=2.87385W_I=249.9mA

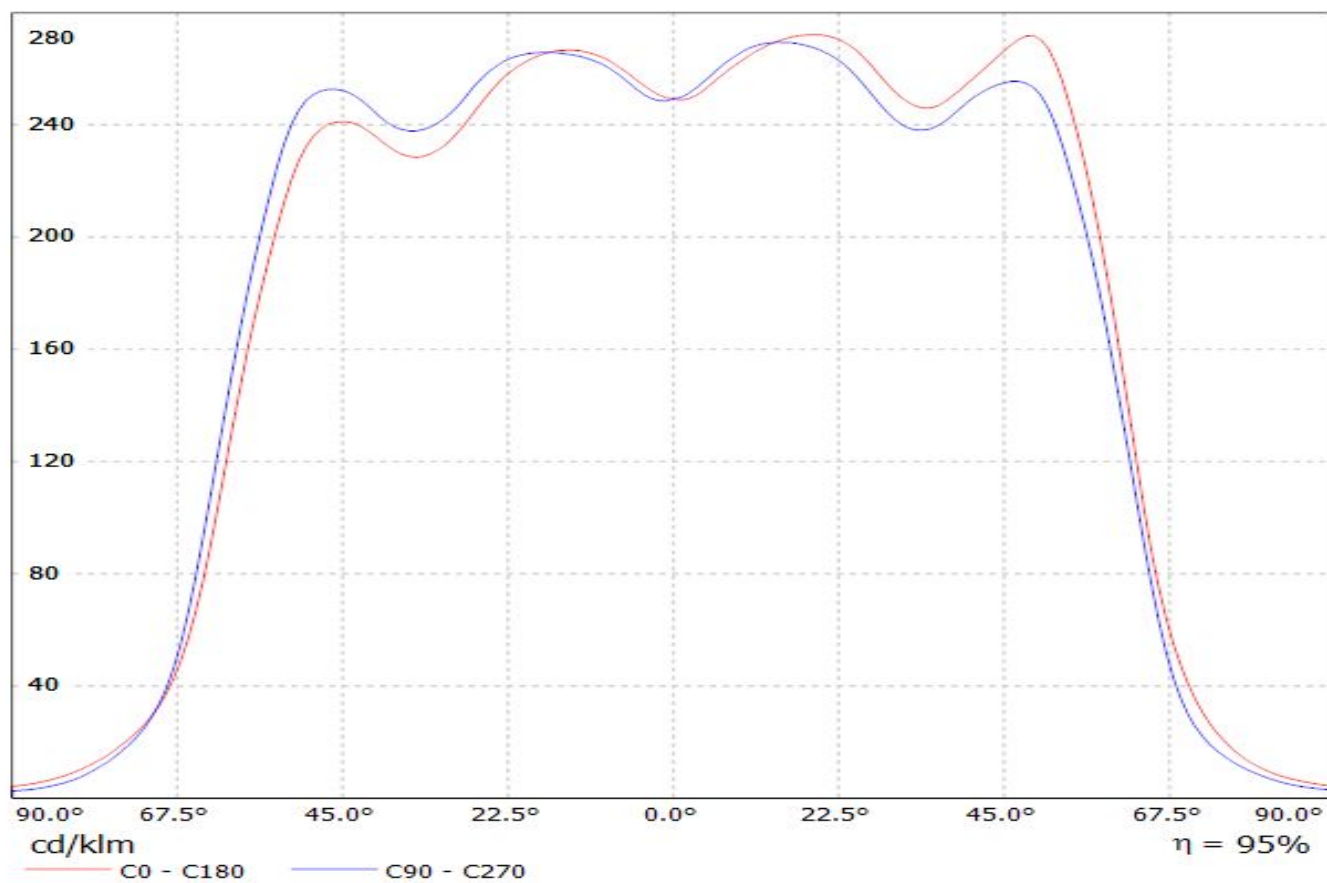


Luminaire: Ledil C13499_STRADA-2X2-CY_(Luxeon_MZ)

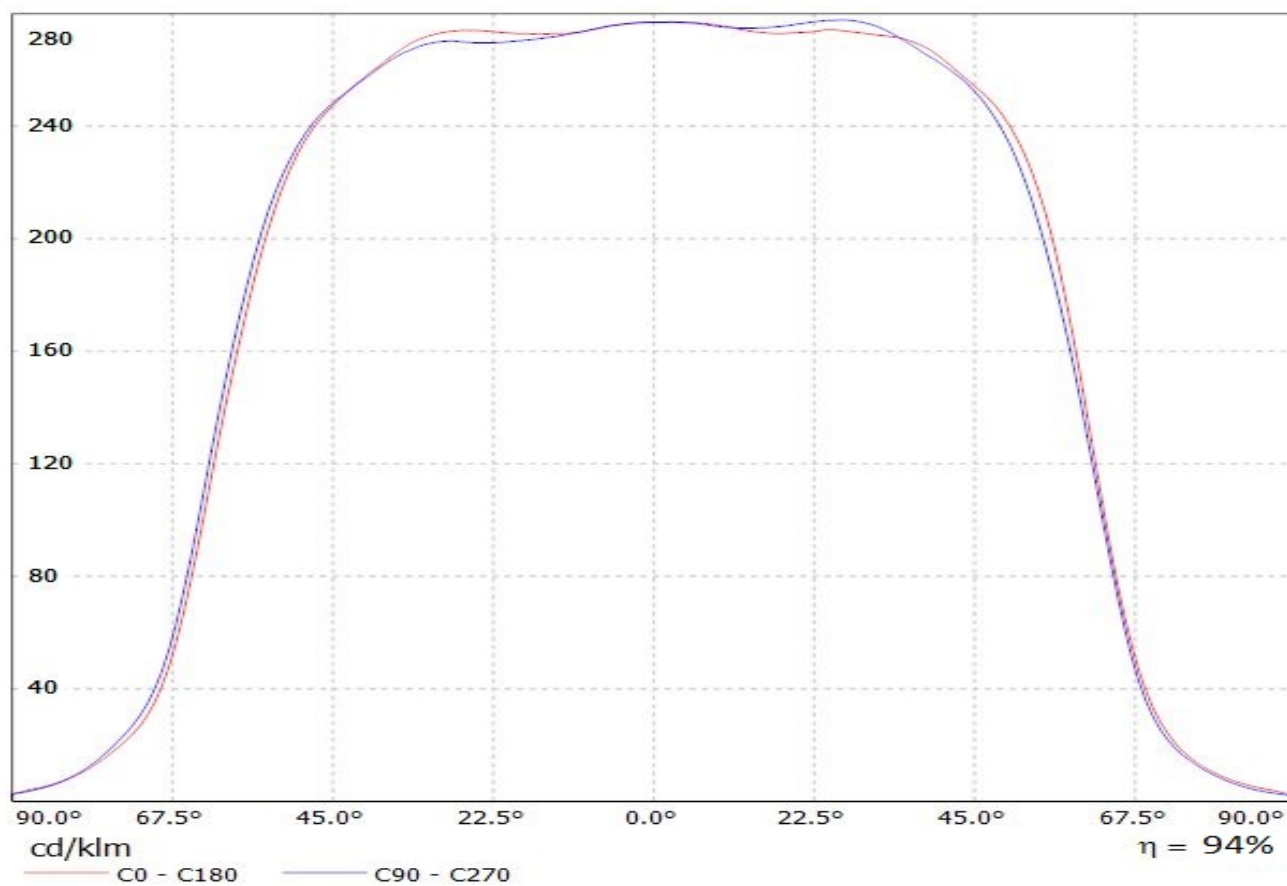
Lamps: 1 x Philips_Lumileds_Luxeon_MZ_(LMZ7-QW57)_(2x2)_427.268lm@250mA_P=2.734W_I=0.2500A



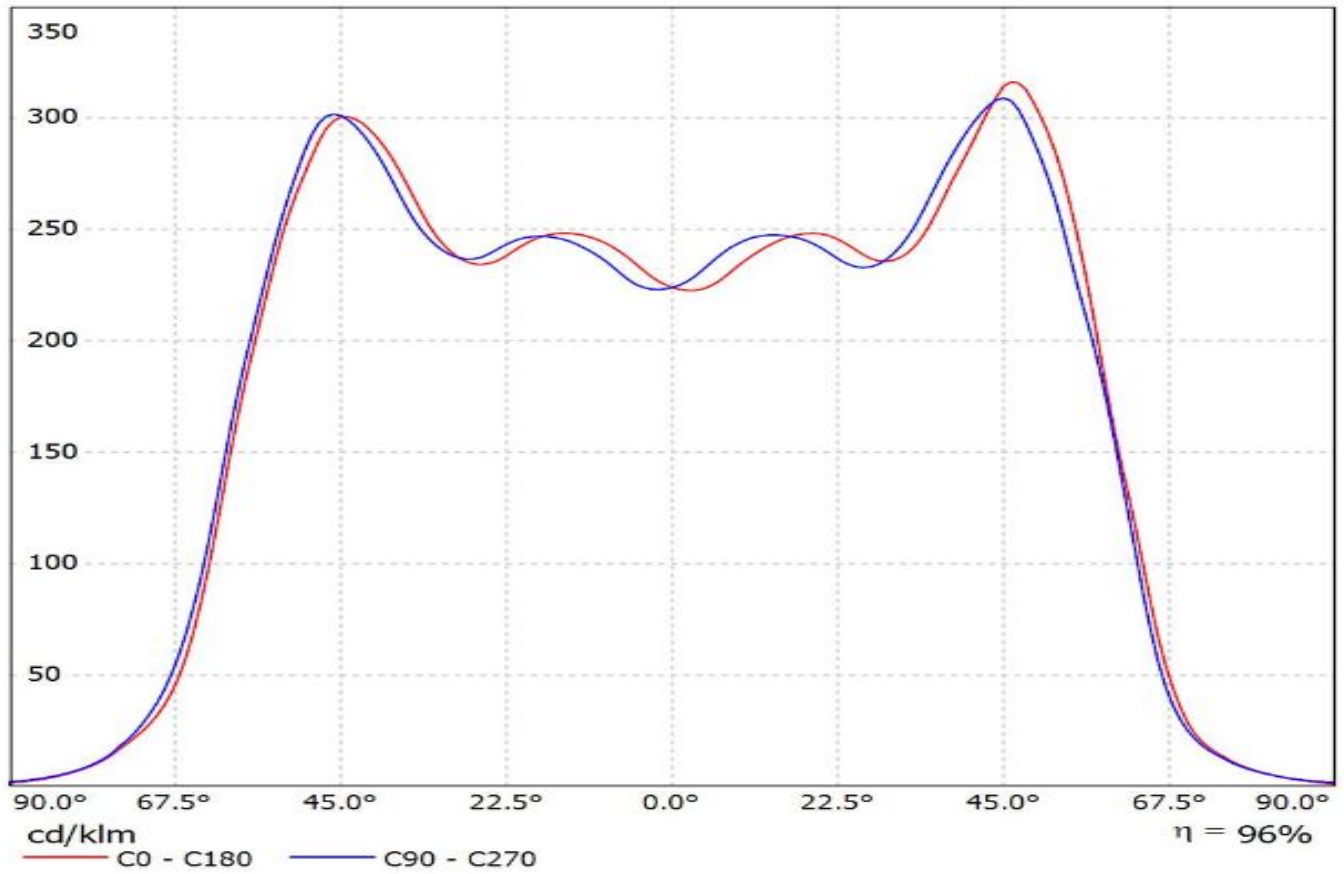
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(Luxeon_TX)
Lamps: 1 x Luxeon_TX_2x2_320.412lm@250mA_P=2.79013W_I=249.9mA



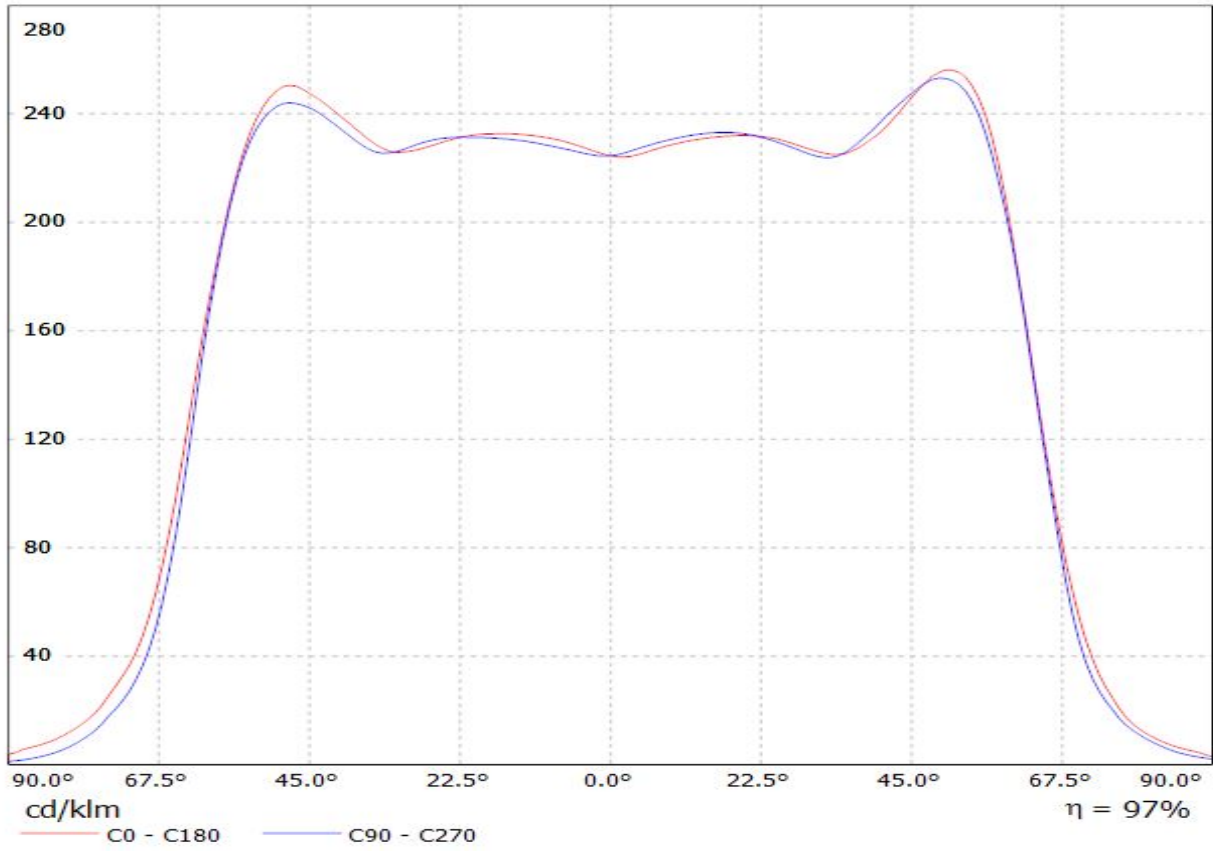
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(Luxeon_5050)
Lamps: 1 x Luxeon_5050_2x2_1251.02lm@80mA_CCT=5700K_P=7.27443W_I=0.080A_70CRI



Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(E21A)
Lamps: 1 x Nichia_E21A_452.248lm@250mA_2.805W_I=0.250A

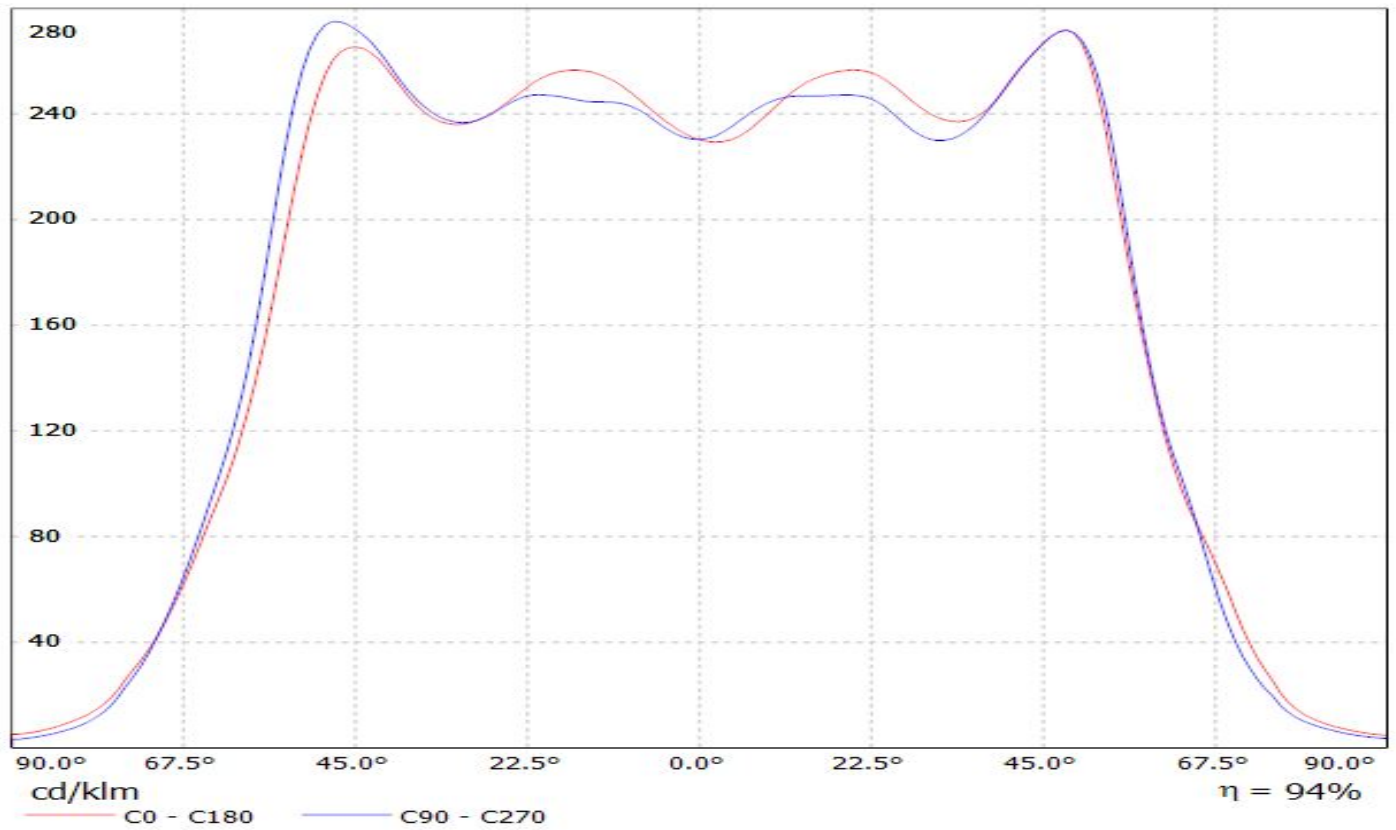


Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(NVSW319AE)
Lamps: 1 x Nichia_NVSW319AE_499.093lm@250mA_P=2.79052W_I=0.25A

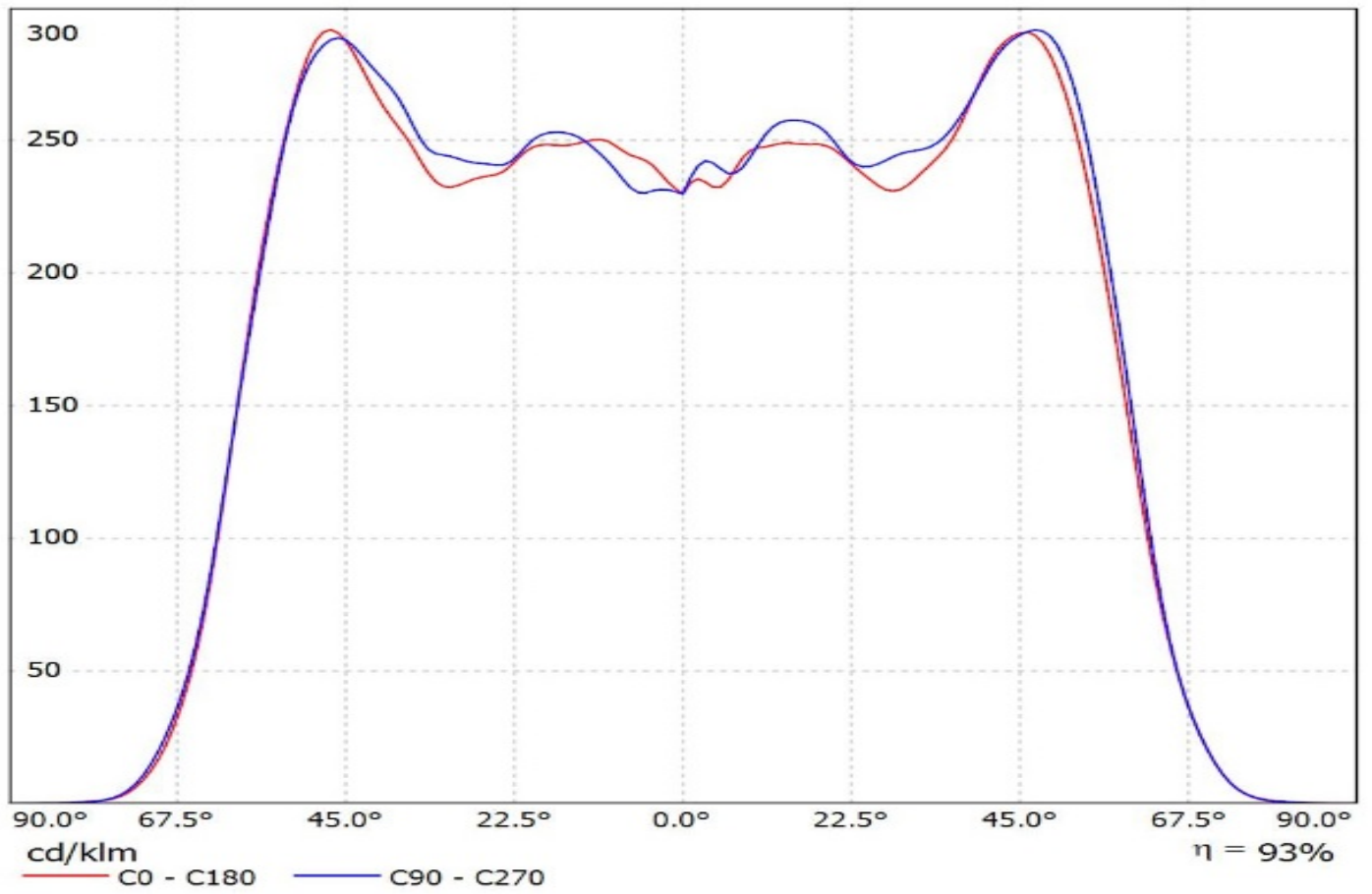


LEDiL Oy C13499_STRADA-2X2-CY_(SQ-PC) Eff.97.2% / LDC (Linear)

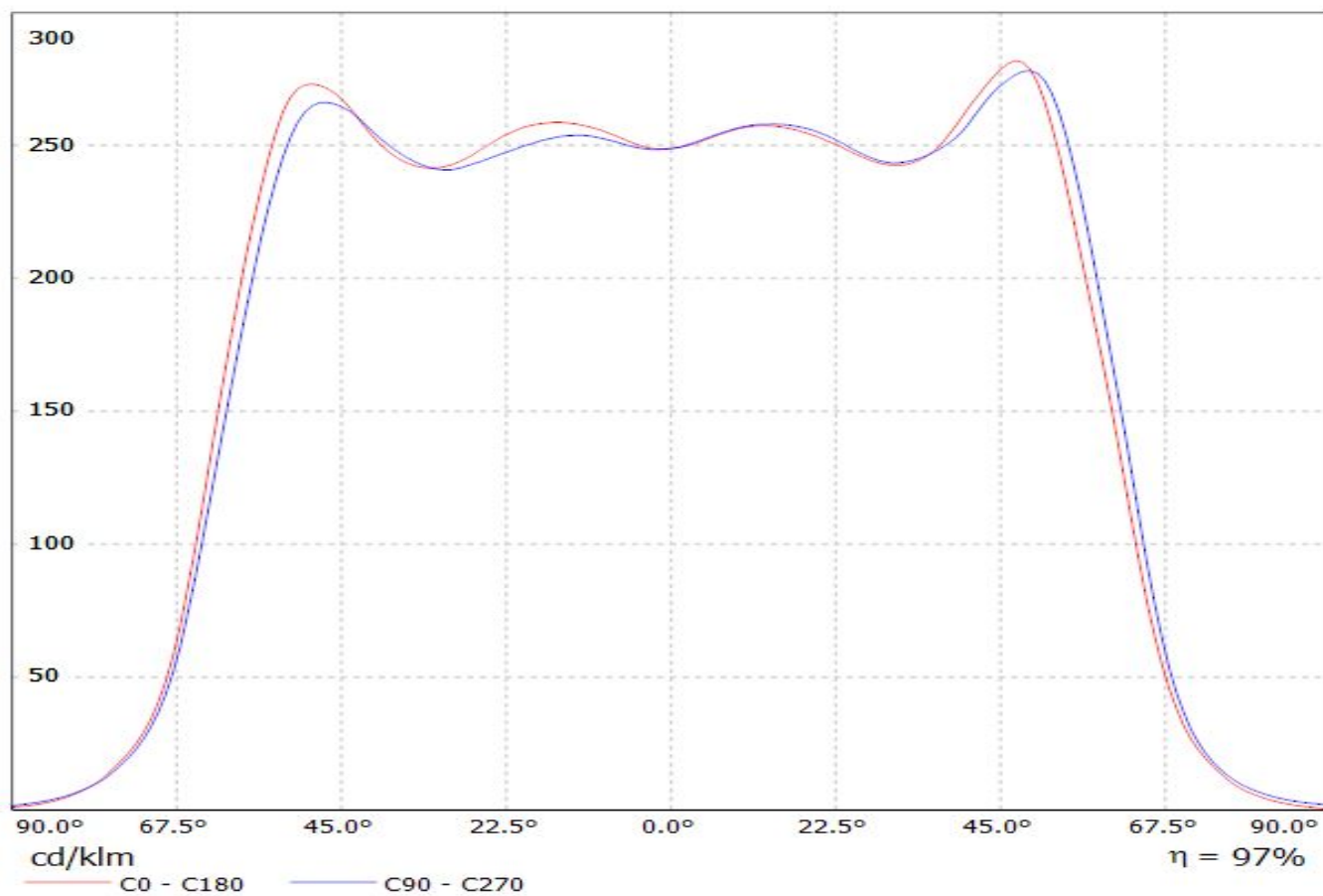
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(SQ-PC) Eff.97.2%
Lamps: 1 x Osram_Oslon-Square-PC_2x2_(LQW-CQAR_PC-MSMU-5H71-1)
_404.7lm@250mA_CCT=5960K_P=2.96862W_I=249.8mA



Luminaire: Ledil Oy C13499_STRADA-2X2-CY_(Duris_P8)_SIMULATED
Lamps: 1 x Osram Duris P8

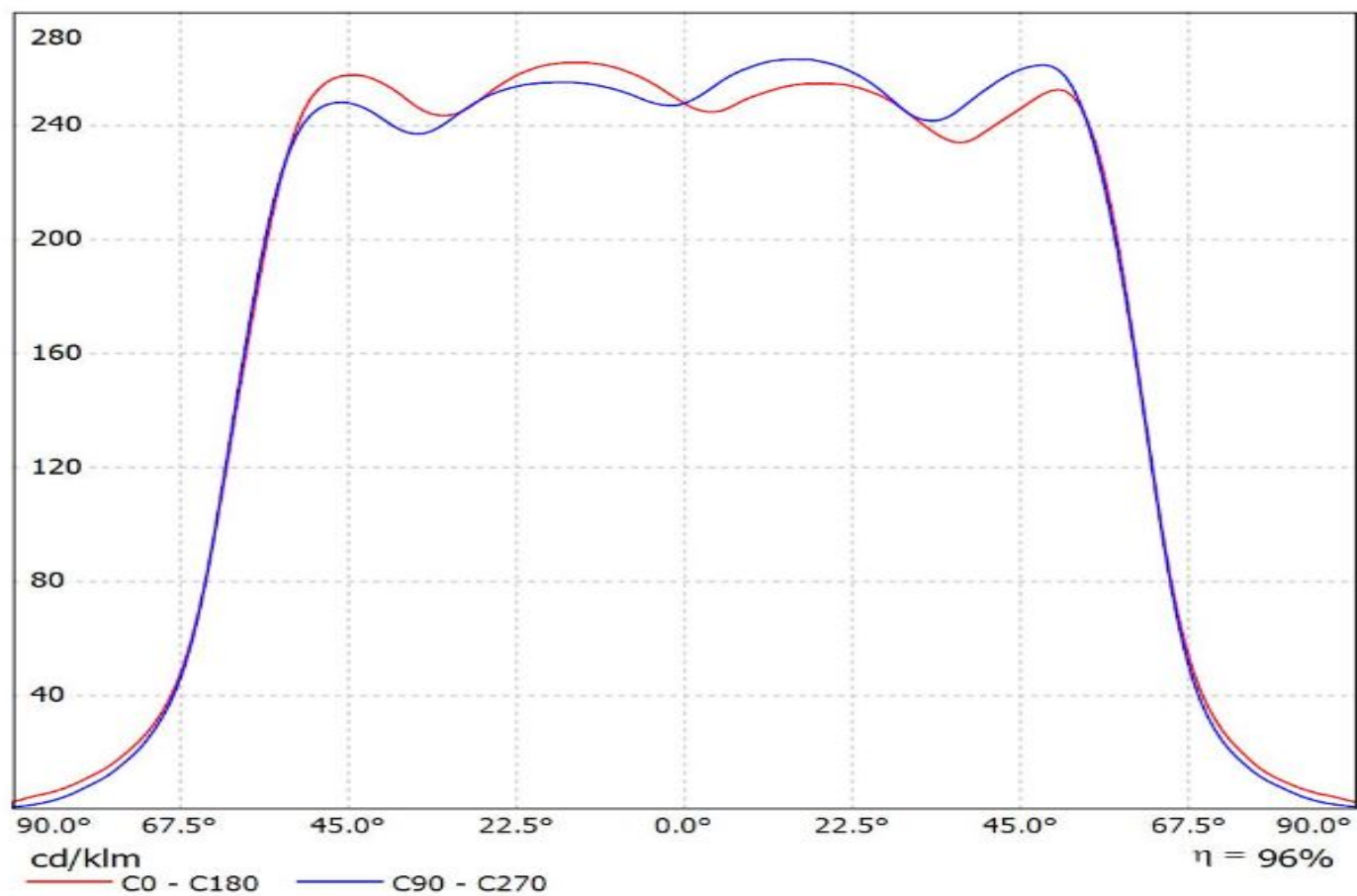


Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(Fortimo_F-Flex_2x8_740DAG3)
Lamps: 1 x Philips_Fortimo_F-Flex_2x8_740DAG3_1786.86lm@250mA_P=11.6092W_η=0.2498A



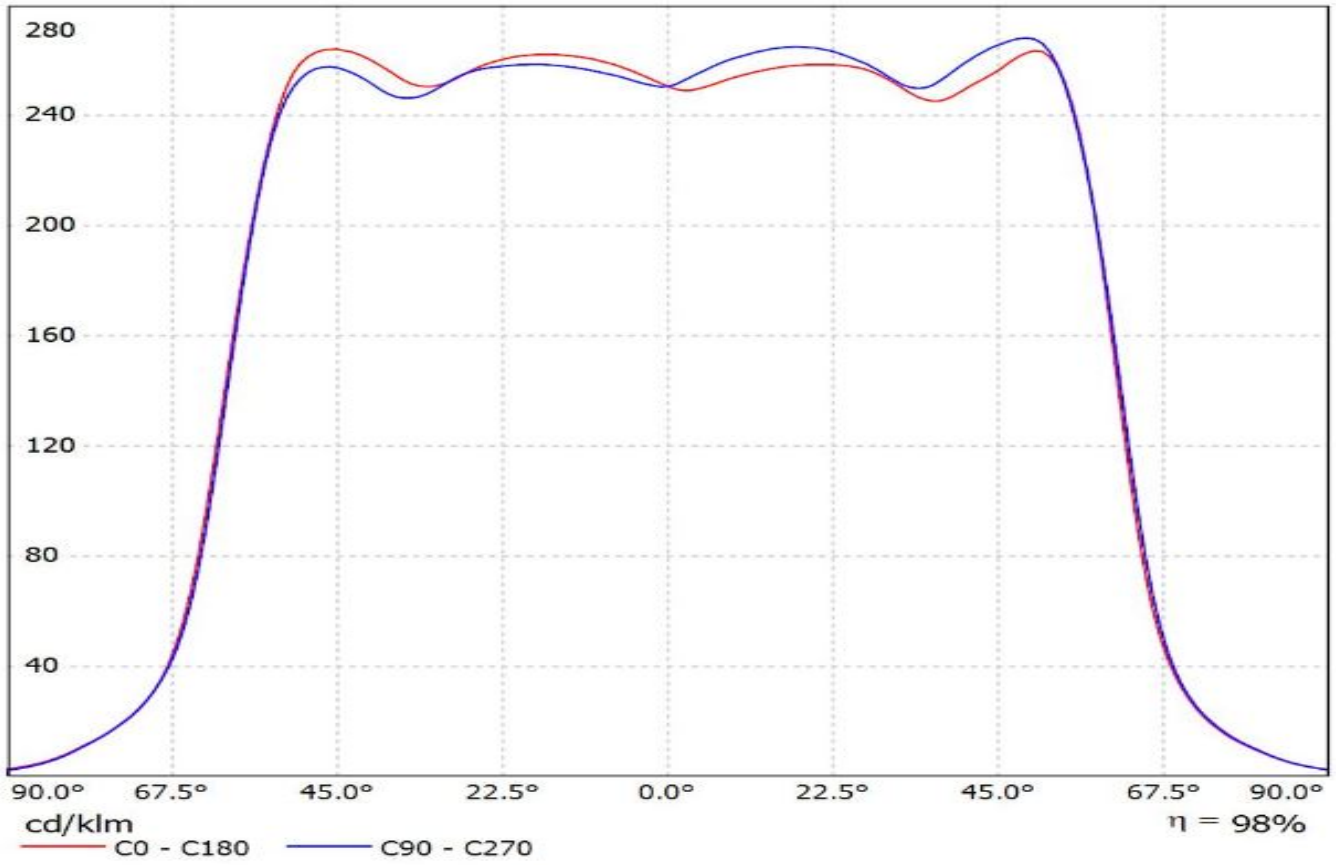
Luminaire: Ledil C13499_STRADA-2X2-CY_(LH351B)

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



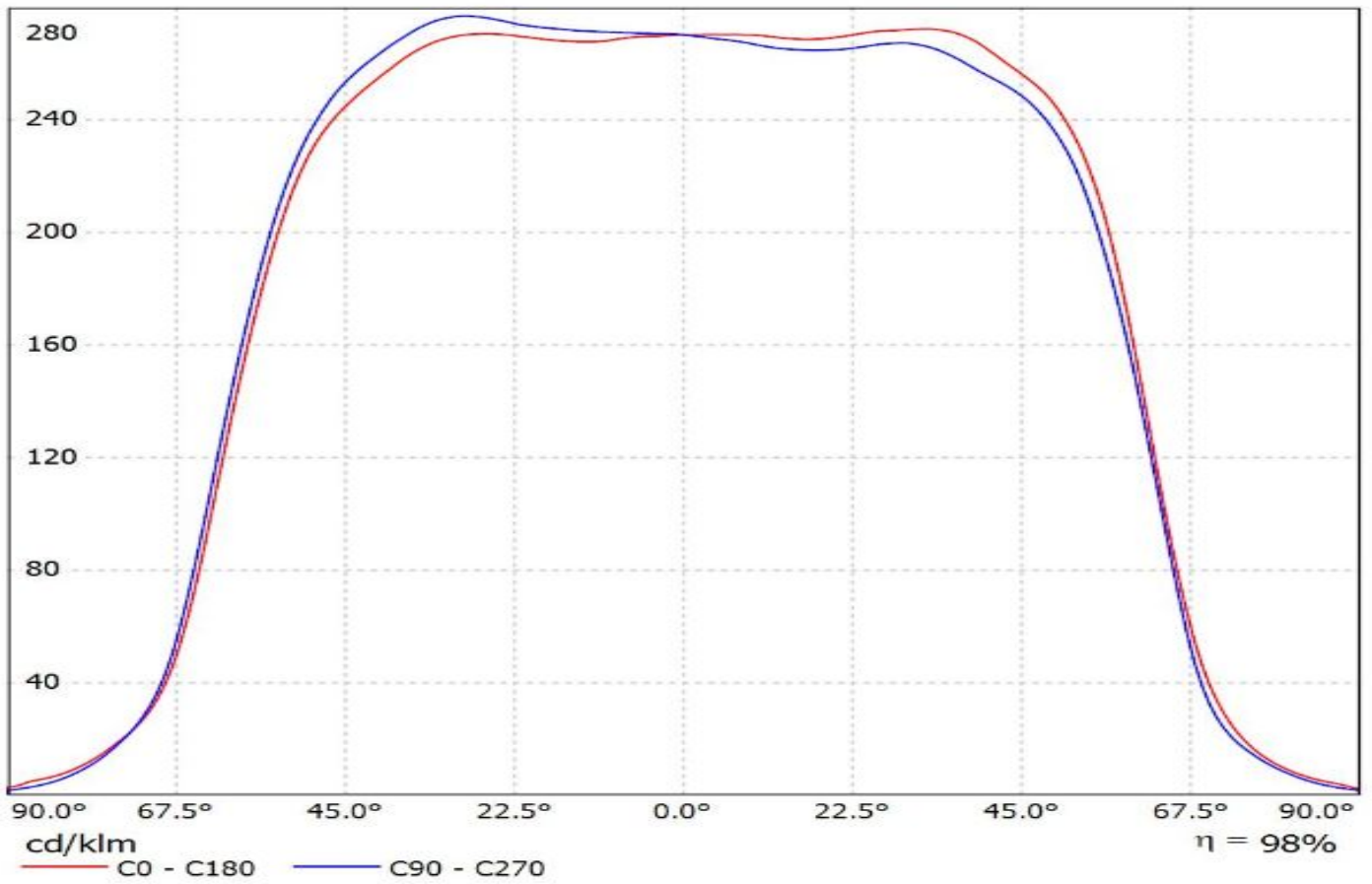
Luminaire: Ledil C13499_STRADA-2X2-CY_(LH351C)

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

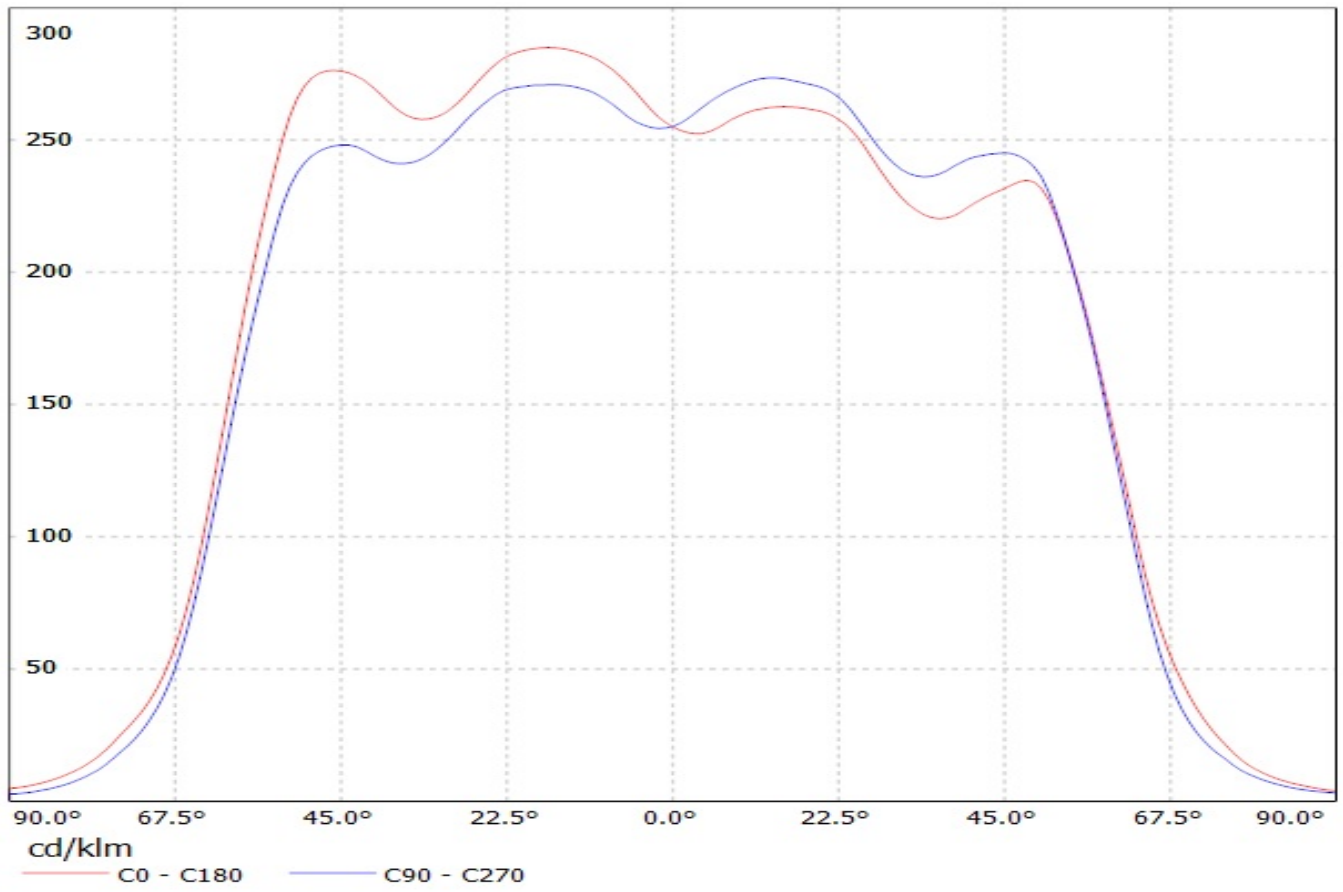


Luminaire: Ledil C13499_STRADA-2X2-CY_(LH508A)

Lamps: 1 x Samsung_LH508A_2x2_2060.04lm@160mA_CCT=5000K_CRI=80_P=15.5405W_I=0.16A



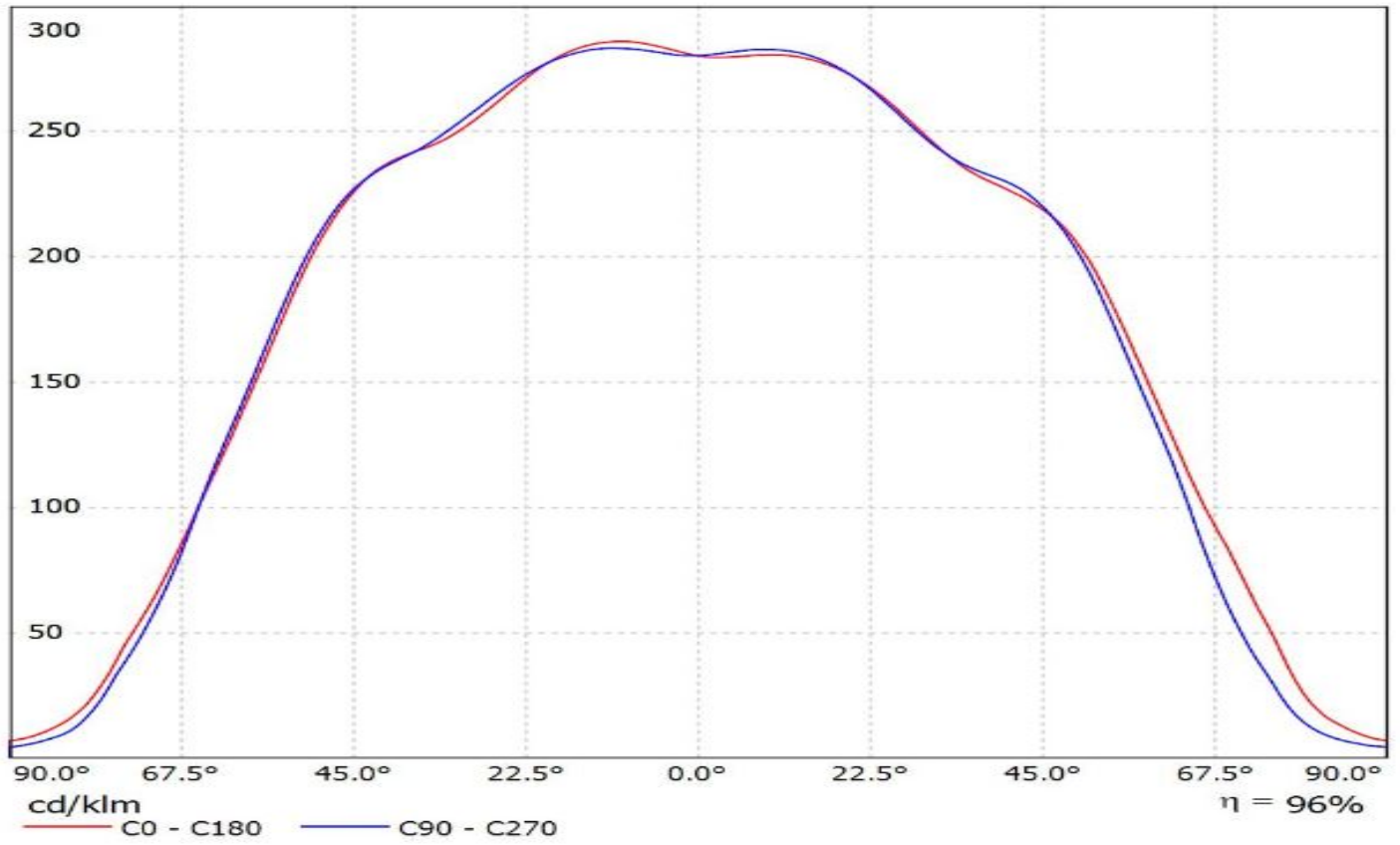
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(Z5M1)_(SZ5-M1-WN-C8)_Eff._94%
Lamps: 1 x Seoul_Z5M1_2X2_(SZ5-M1-WN-C8)_396lm@250mA_CCT=4587K_P=2.9W_I=250mA



Ledil C13499_STRADA-2X2-CY_(TL1L3) / LDC (Linear)

Luminaire: Ledil C13499_STRADA-2X2-CY_(TL1L3)

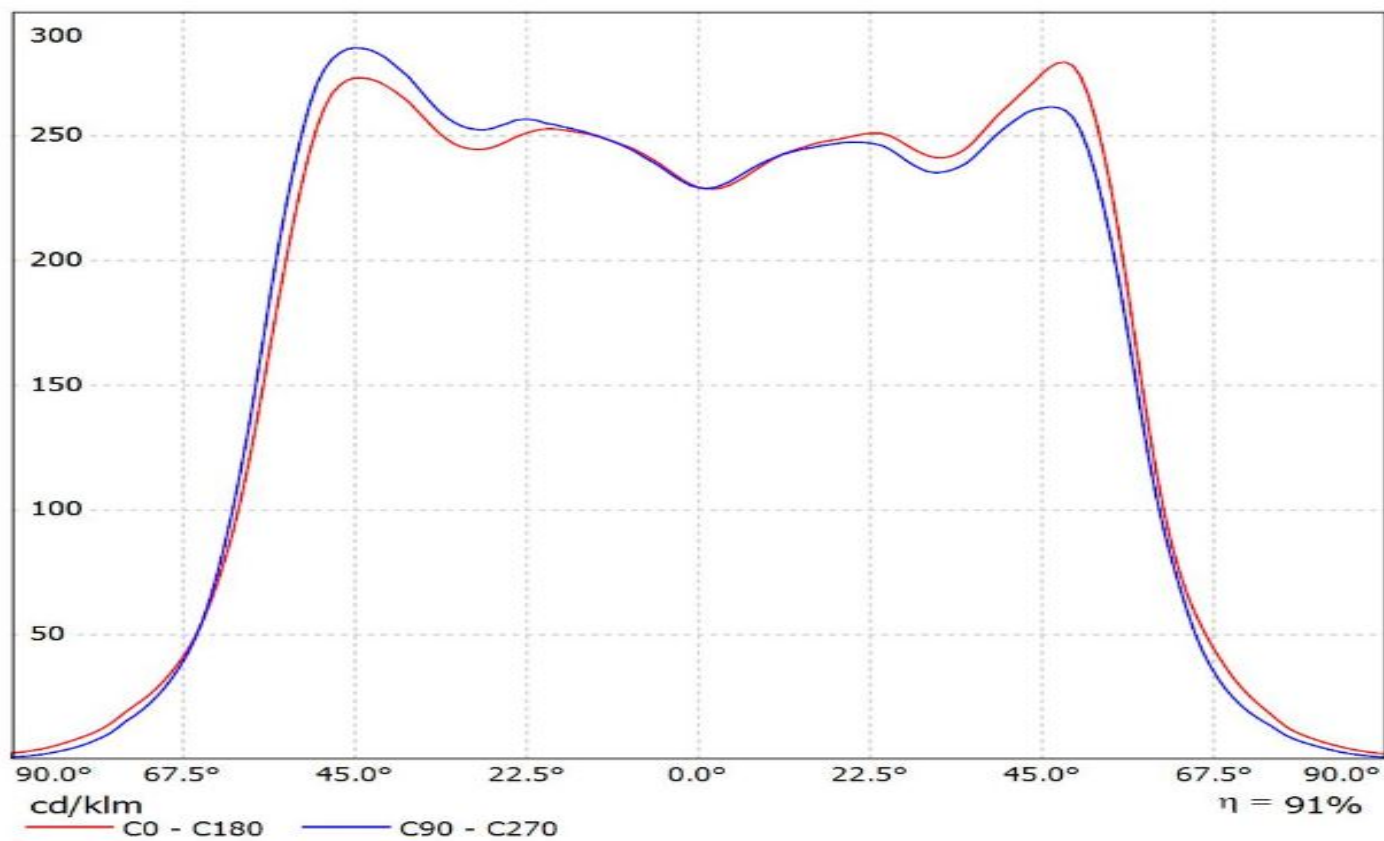
Lamps: 1 x Toshiba_TL1L3_2x2_(TL1L3-NW1.L)_387.773lm@250mA_CCT=5000K_P=2.829W_I=0.25A



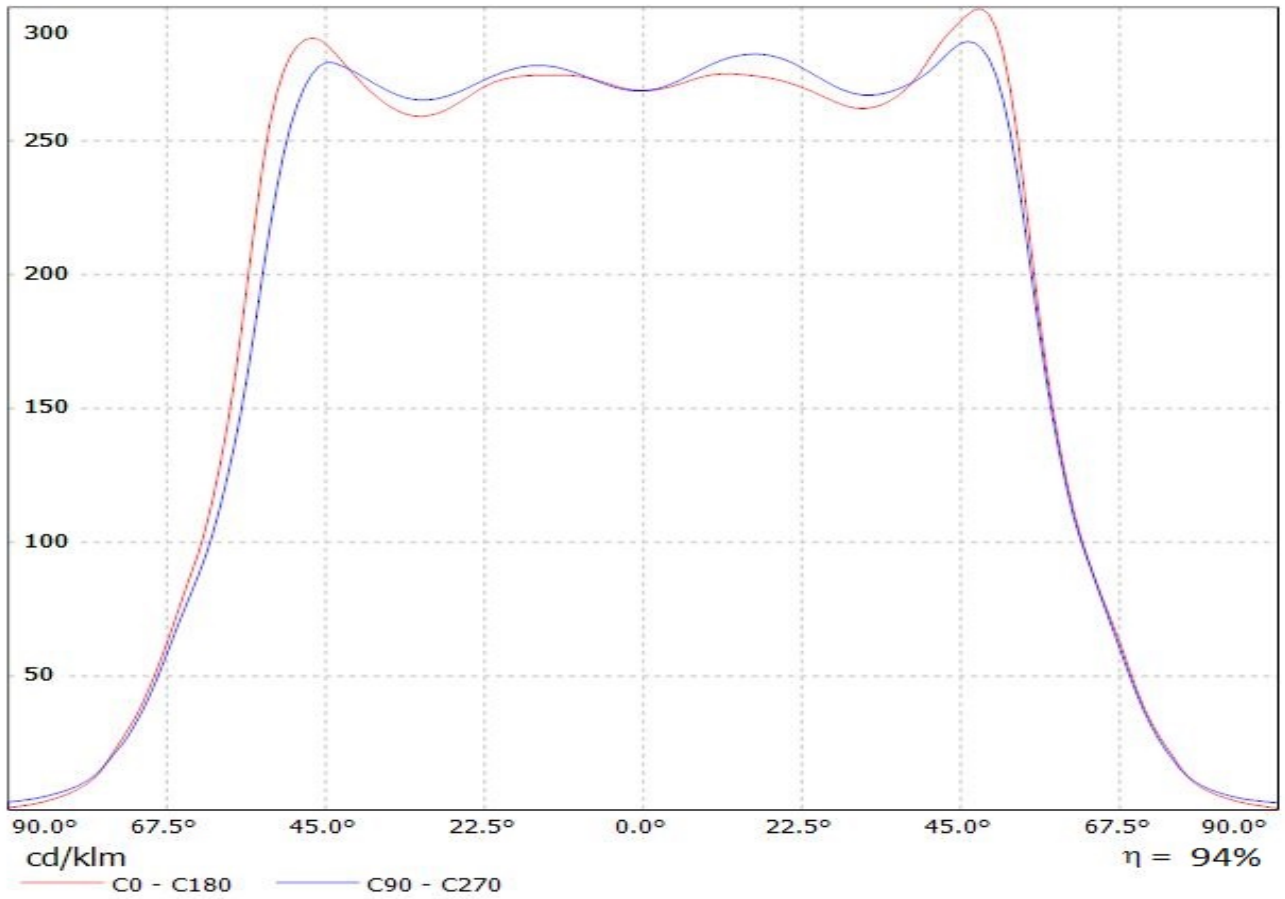
Ledil C13499_STRADA-2X2-CY_(TL1L4) / LDC (Linear)

Luminaire: Ledil C13499_STRADA-2X2-CY_(TL1L4)

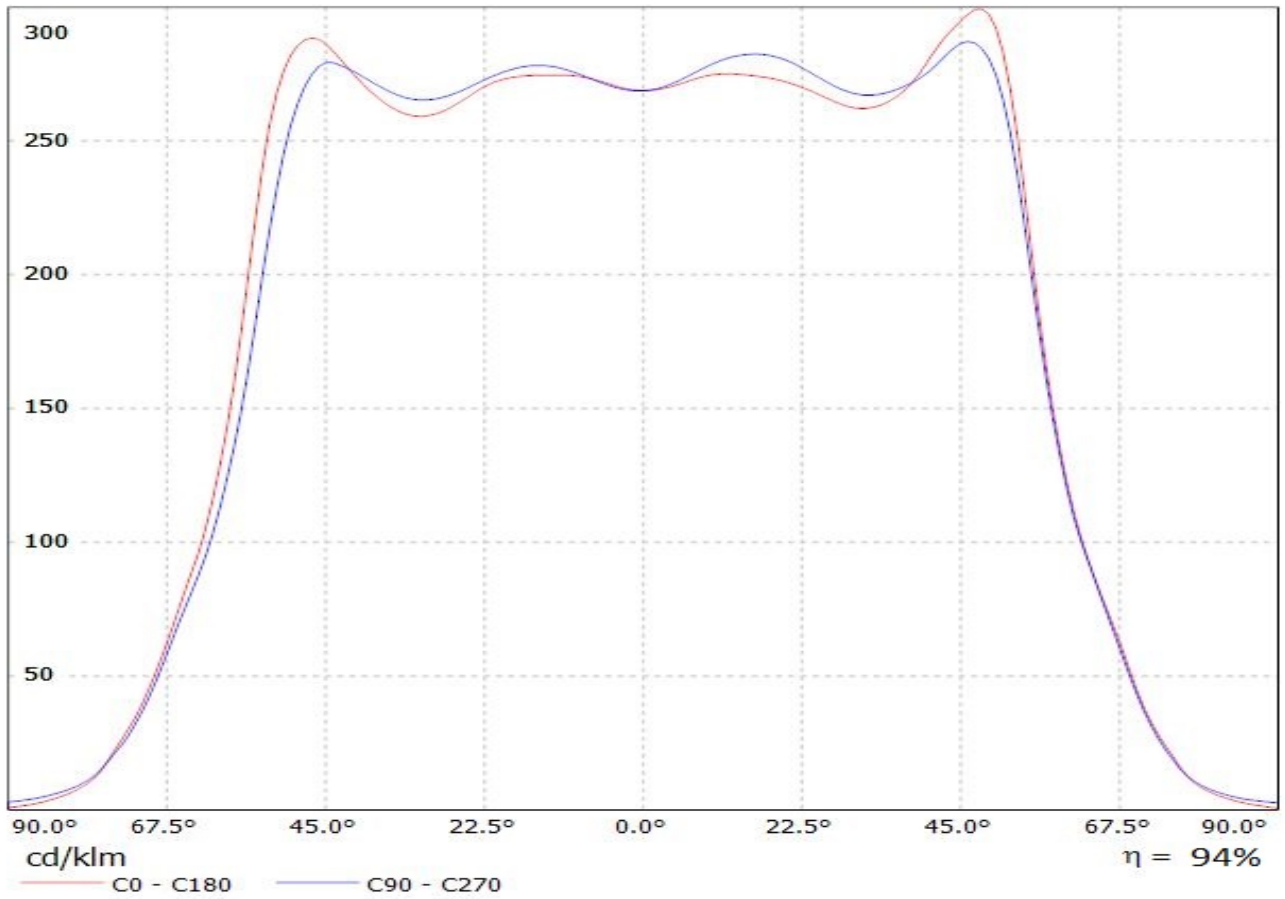
Lamps: 1 x Toshiba_TL1L4_2x2_(TL1L4-DW0)_472.639lm@250mA_CCT=6500K_P=2.9W_I=0.25A



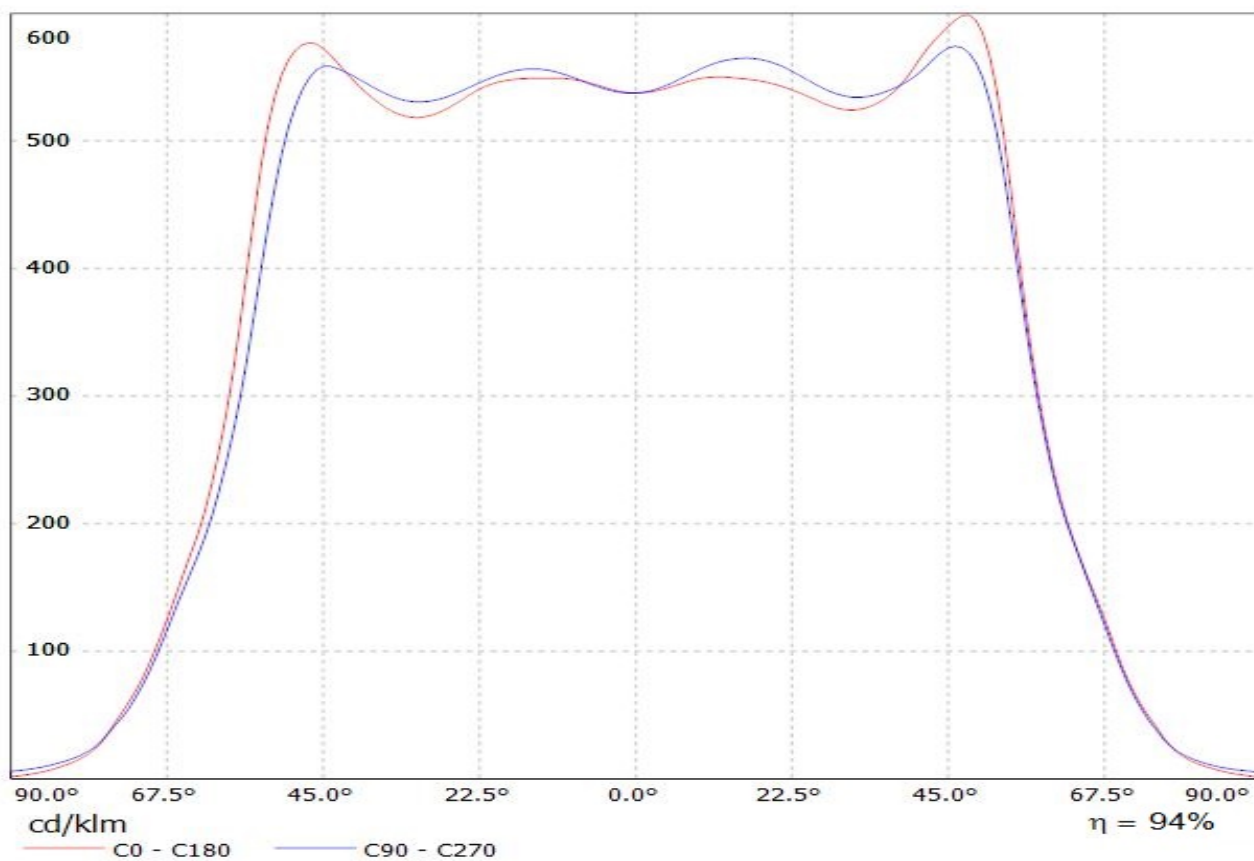
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4576.03lm@700mA_P=32.0681W_I=0.700A



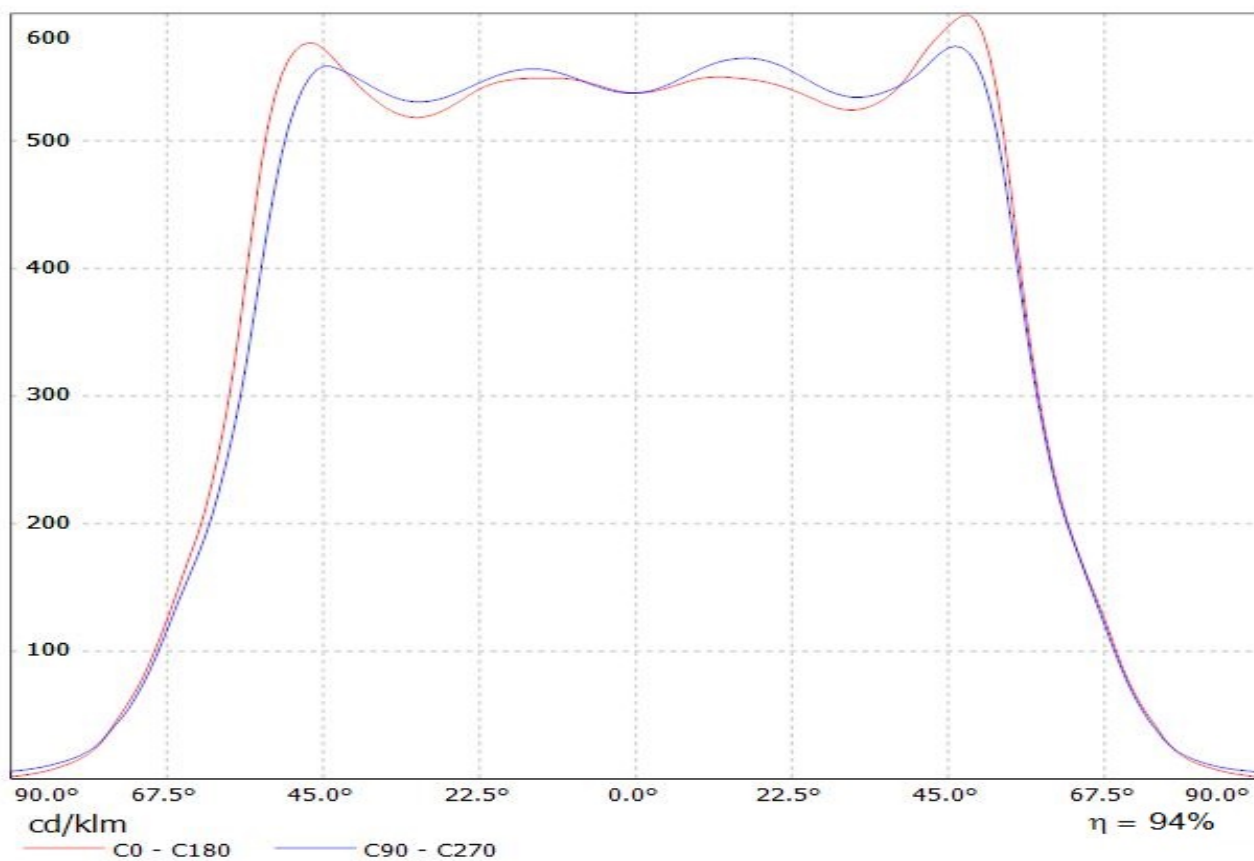
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4576.03lm@700mA_P=32.0681W_I=0.700A



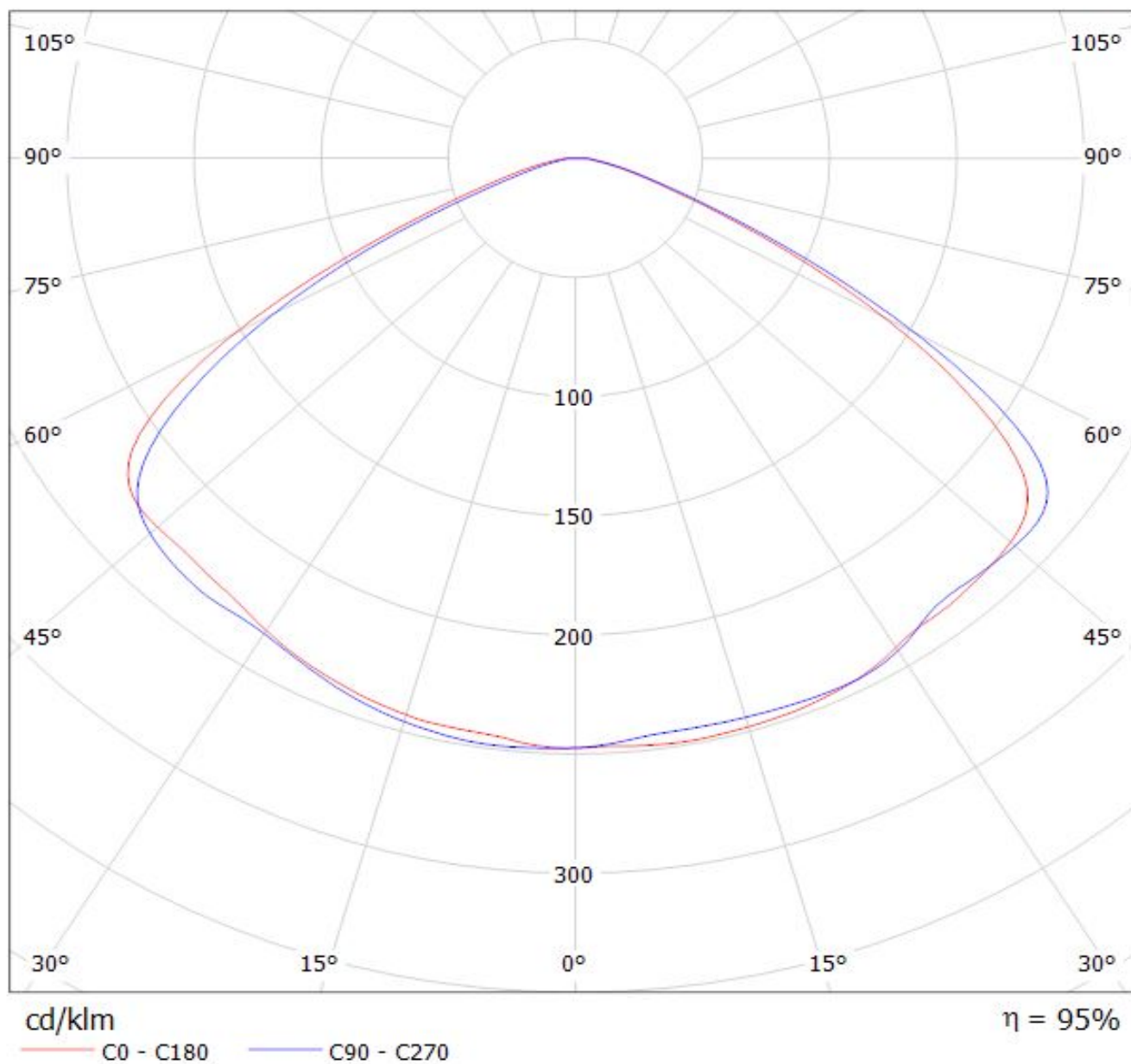
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY (Tridonic Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_2288lm@700mA_P=16W_I=0.700A



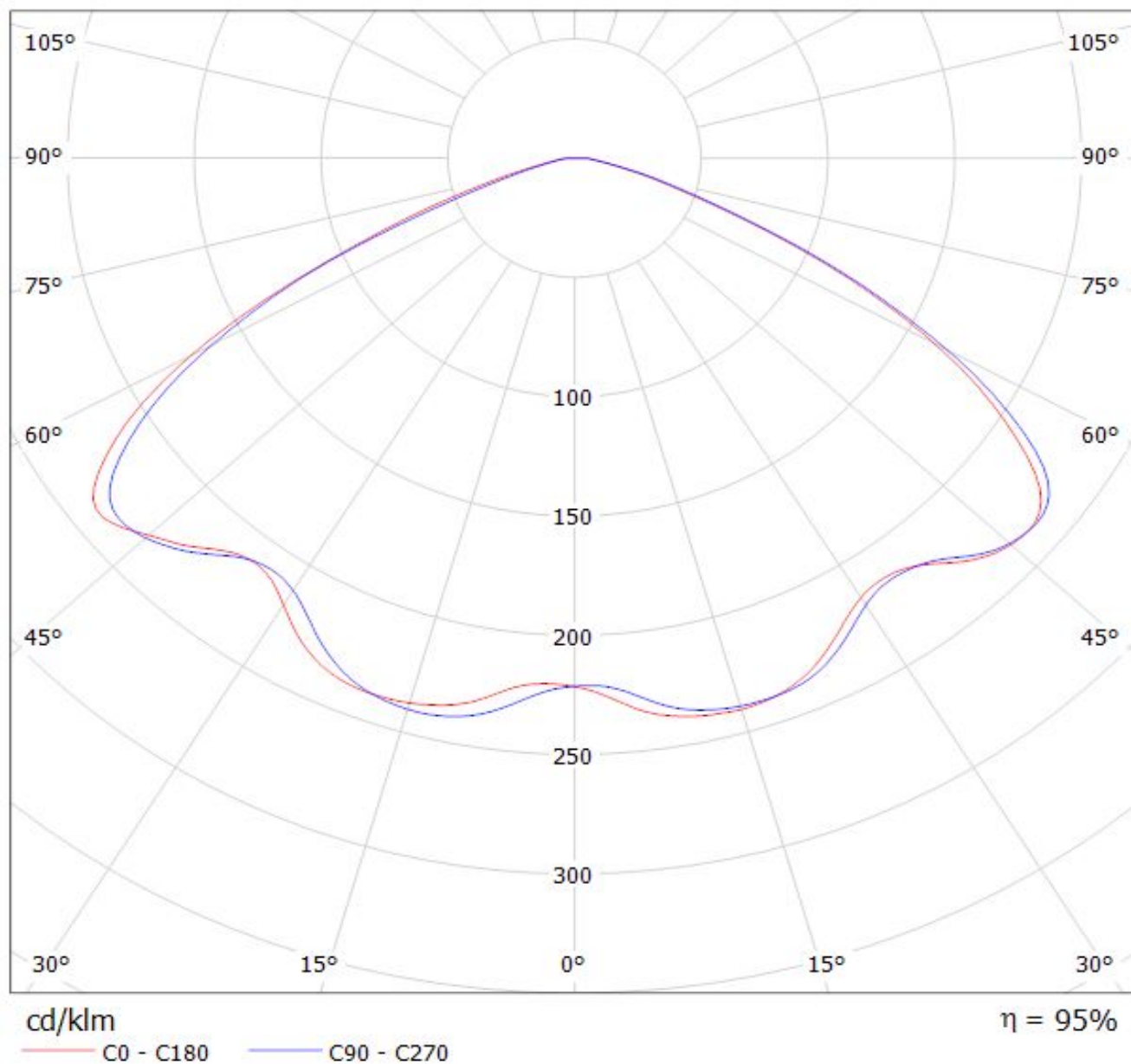
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY (Tridonic Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_2288lm@700mA_P=16W_I=0.700A



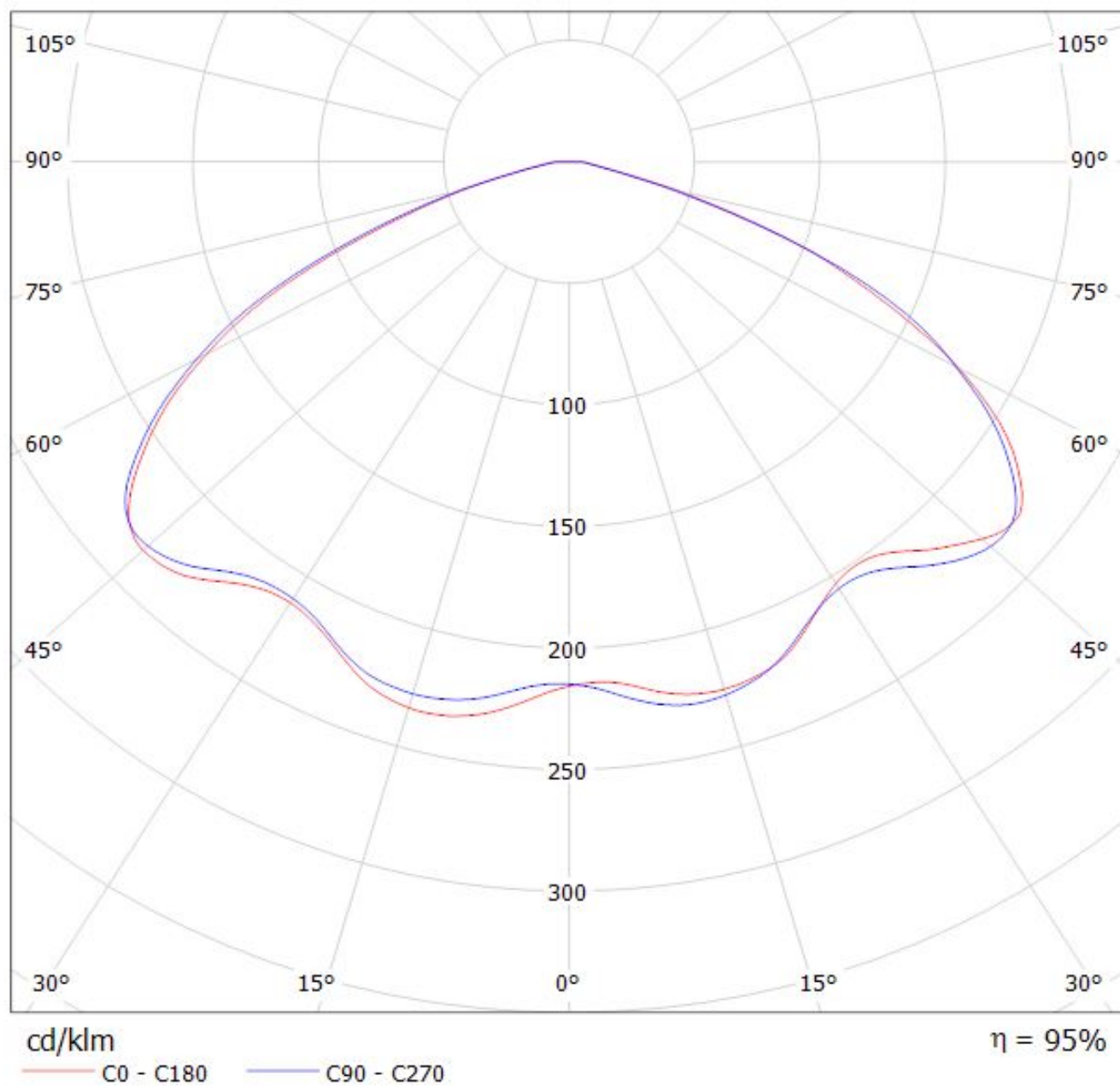
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XM-L) Eff. 94%
Lamps: 1 x CREE_XM-L_2x2_354.749lm@250mA_P=2.82762W_I=249.9mA



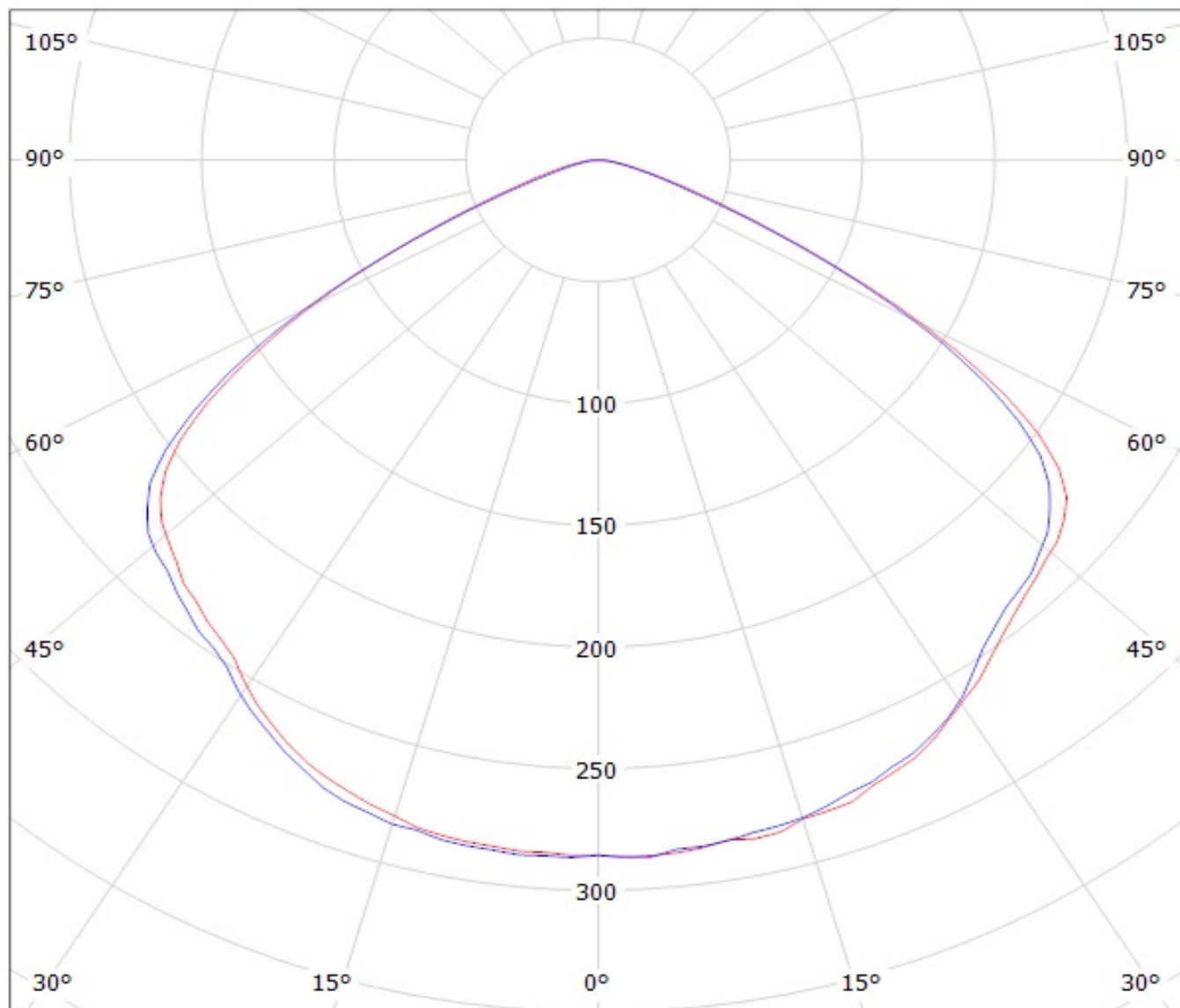
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XP-G) Eff. 94%
Lamps: 1 x CREE_XP-G_2x2_253.946lm@250mA_P=2.89059W_I=249.9mA



Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XT-E) Eff.94%
Lamps: 1 x CREE_XT-E_2x2_393lm@250mA



Luminaire: LEDil Oy C13499_STRADA-2X2-CY_(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



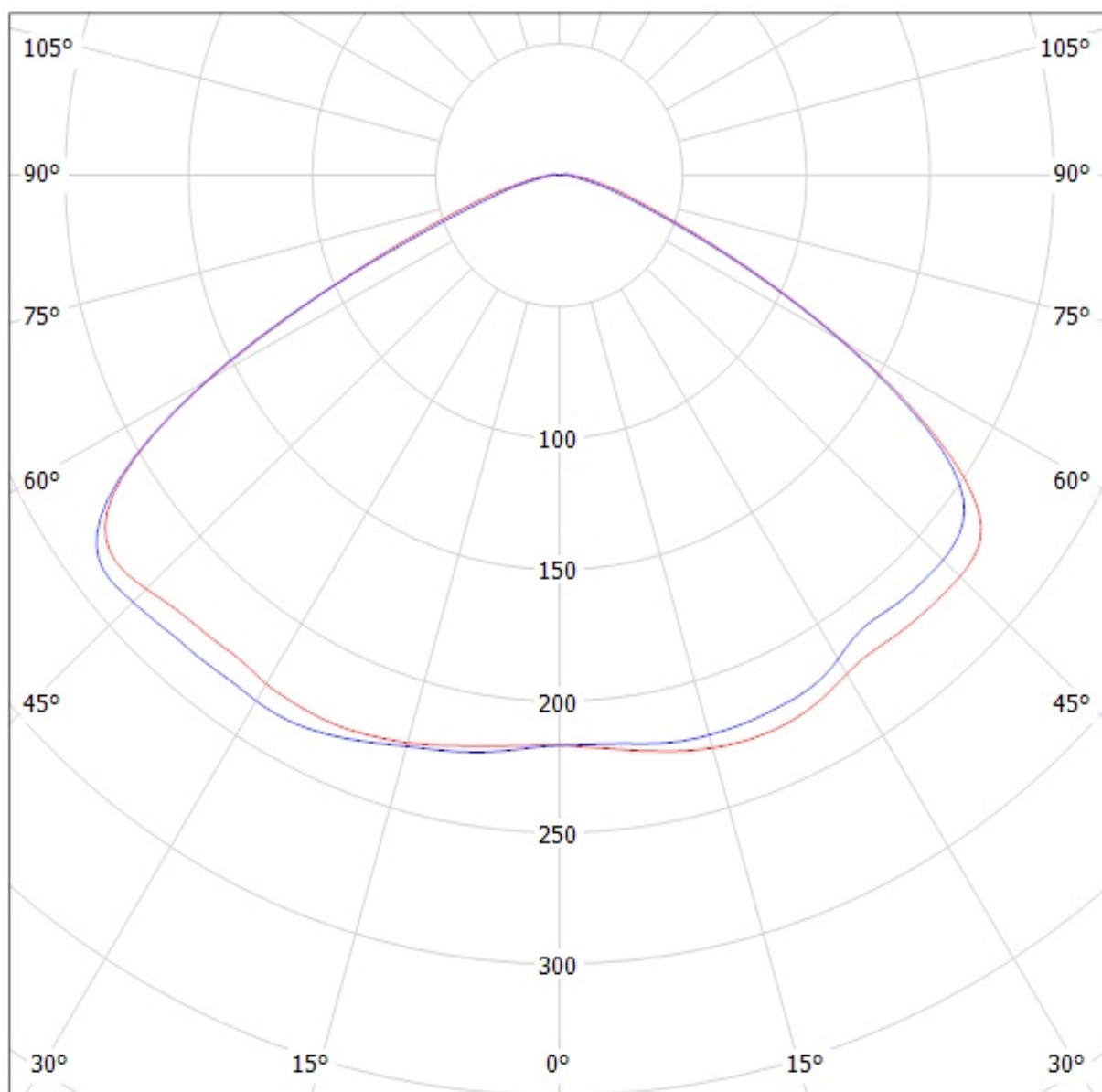
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C13499_STRADA-2x2-CY_(XP-L)

Lamps: 1 x CREE_XP-L_2x2_(XPLAWT-0-1B0-V40-00-0001)_515.57lm@250mA_CCT=7600K_P=2.79963W_I=249.9mA



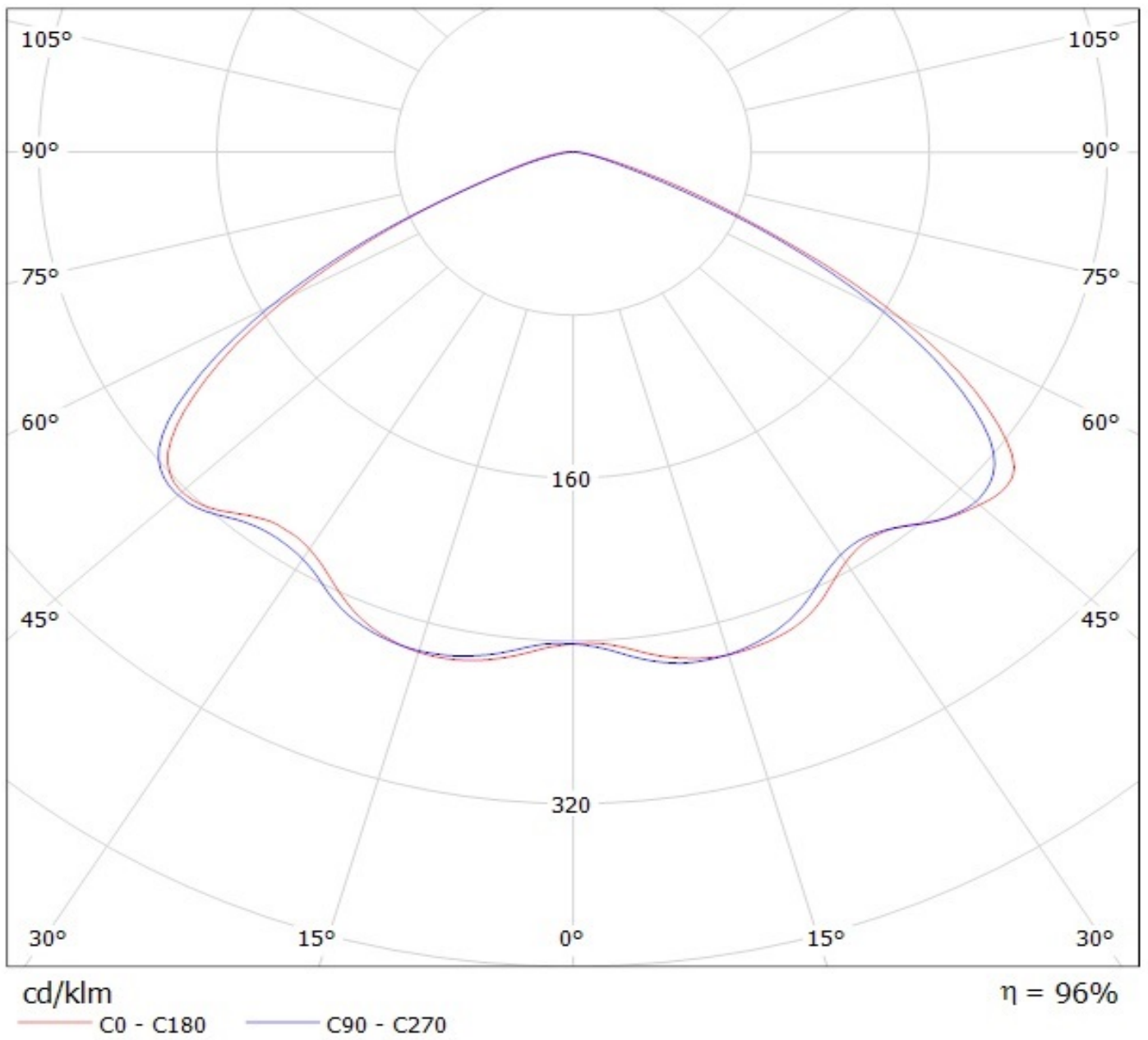
cd/klm

— C0 - C180

— C90 - C270

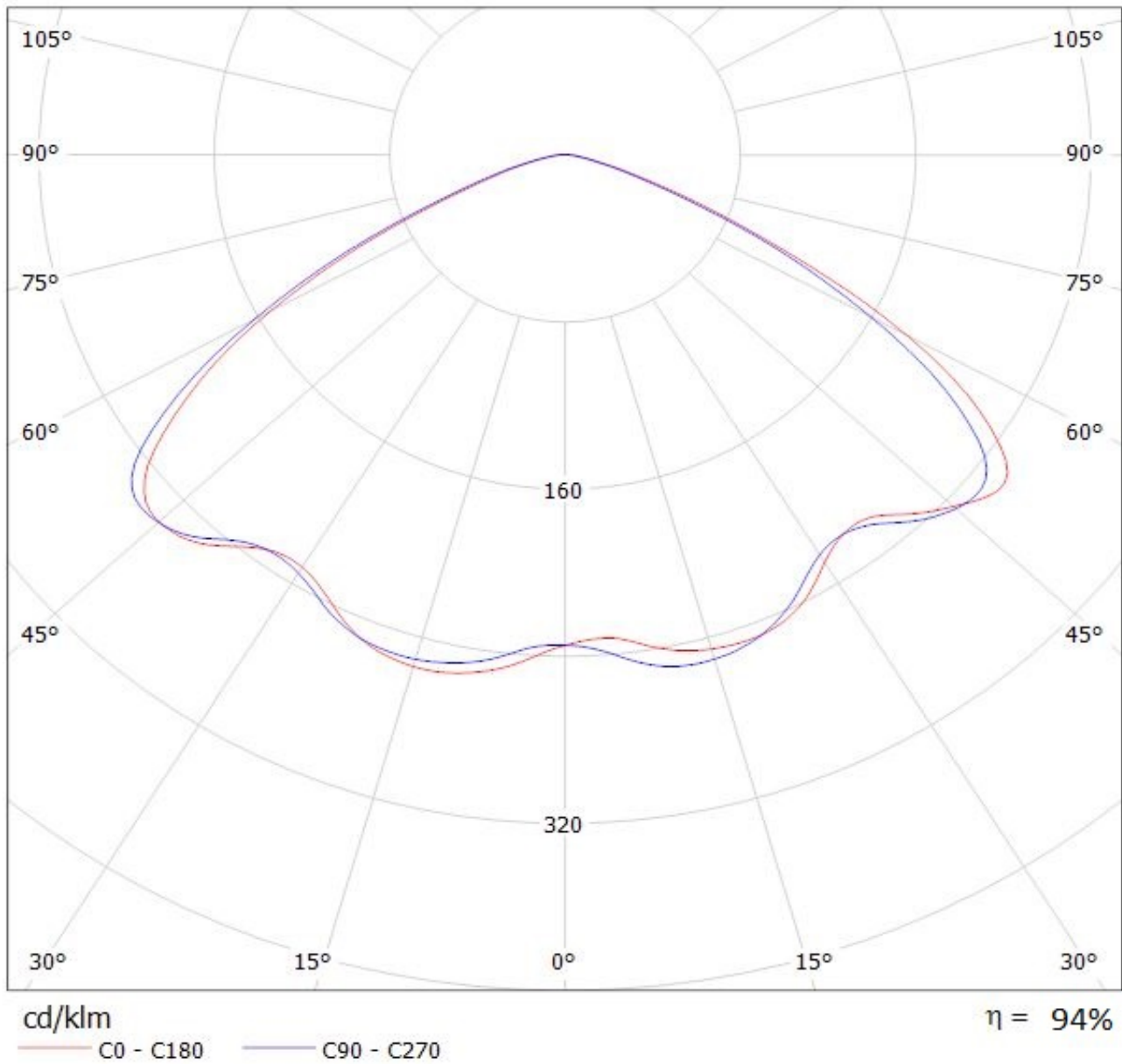
$\eta = 94\%$

Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XP-L_HI)
Lamps: 1 x Cree_XP-L_HI_(2x2)_(XPLAWT-H-5A3-U60-013-0001)
_455.077lm@250mA_P=2.84011W_I=0,2499A



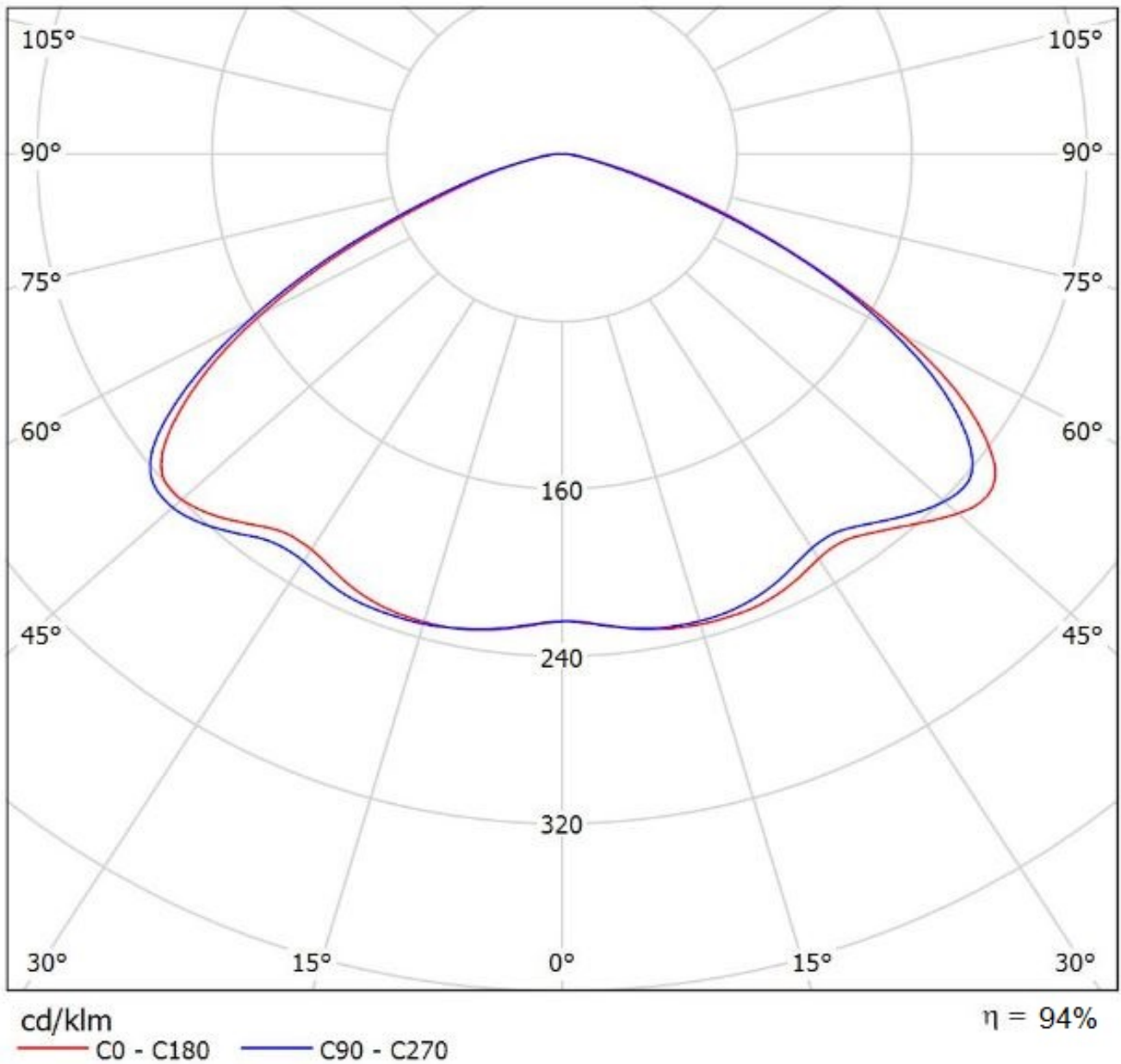
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(XP-G2)

Lamps: 1 x Cree_XP-G2_(XPGBWT-L1-000-00-G51)_411.002lm@250mA_P=2.95164W_I=0.250A



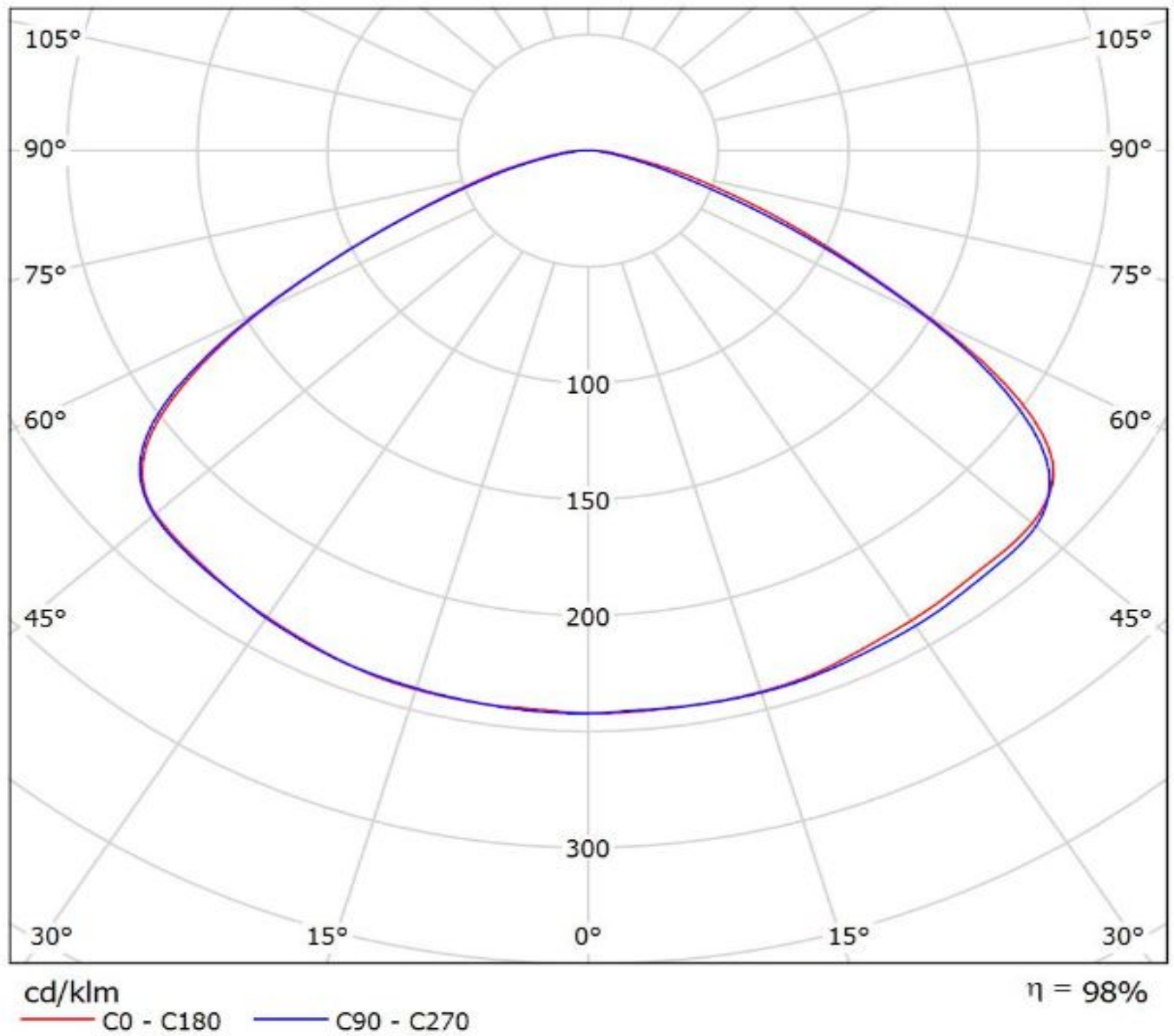
Luminaire: Ledil C13499_STRADA-2X2-CY_(XP-G3)

Lamps: 1 x Cree_XP-G3_2x2_(XPGDWT-B1-3C0-S4-0-01)_516.212lm@250mA_P=2.78875W_I=0.250A



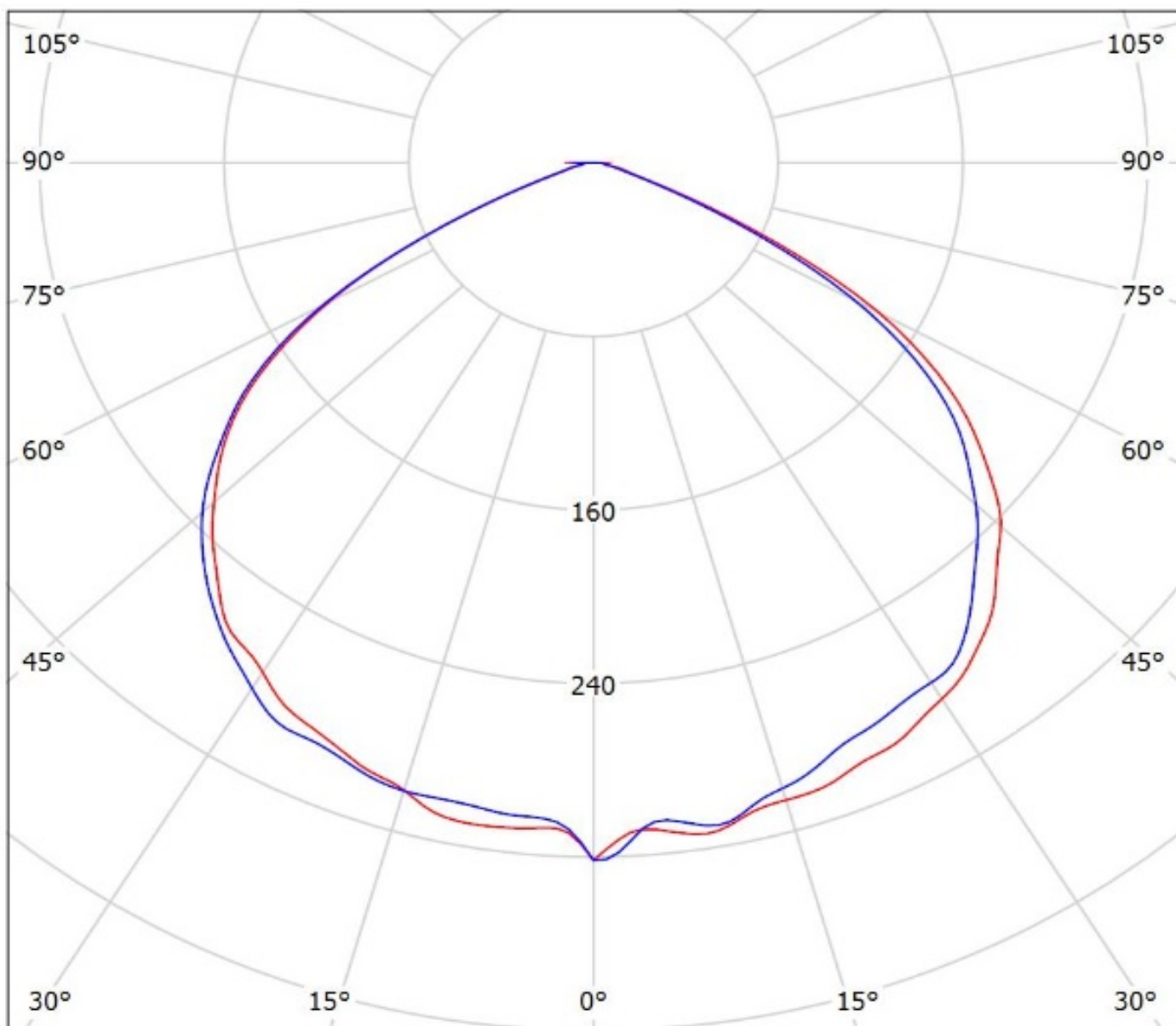
Luminaire: Ledil C13499_STRADA-2X2-CY_(XP-L2)

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



Luminaire: Ledil Oy C13499_STRADA-2X2-CY_(MHB-A)_SIMULATED

Lamps: 1 x Cree MHB-A



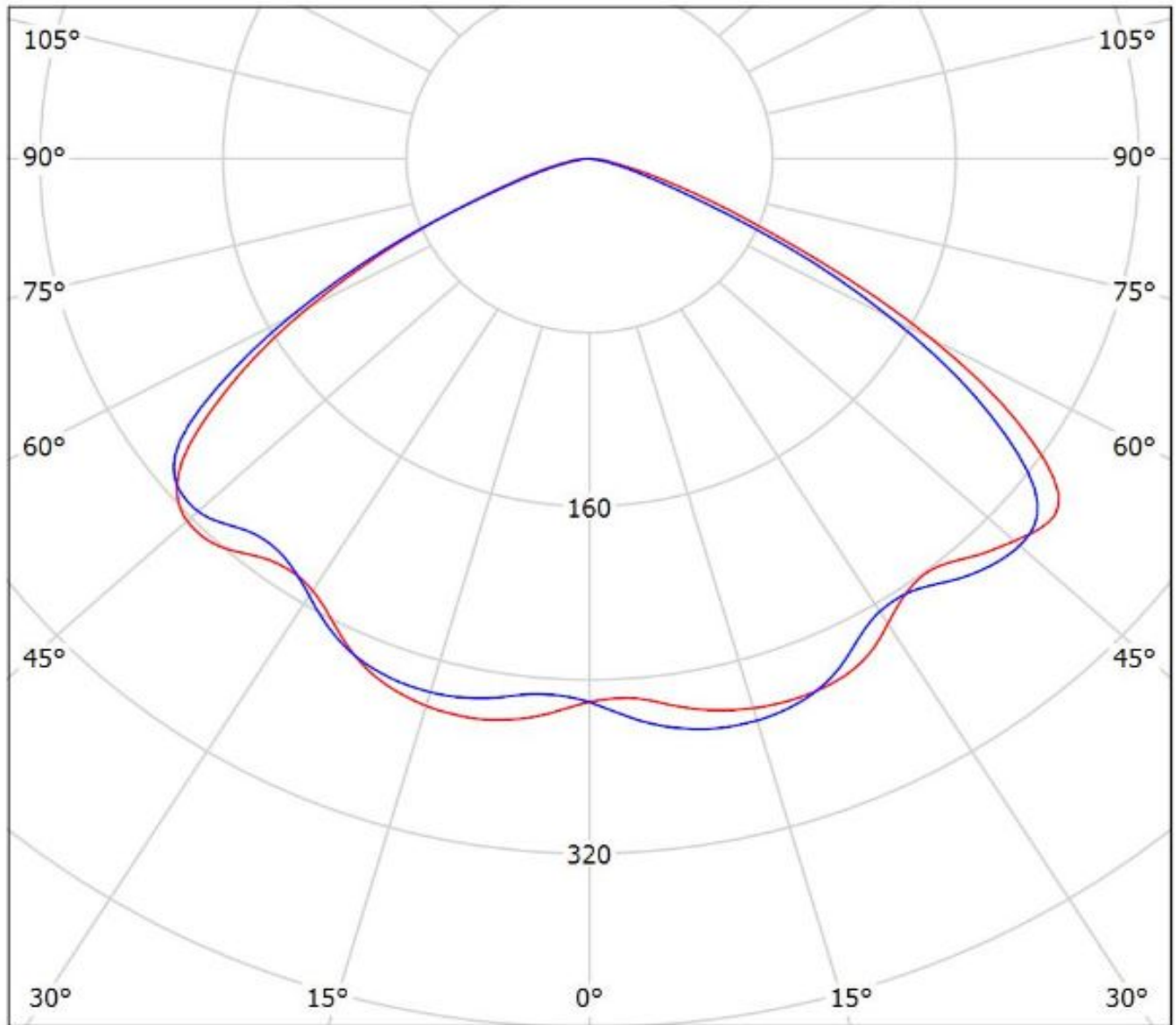
cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: Ledil C13499_STRADA-2X2-CY_(H35C1)

Lamps: 1 x LG_H35C1_2x2_477.216lm@250mA_P=2.87475W_I=0.250A



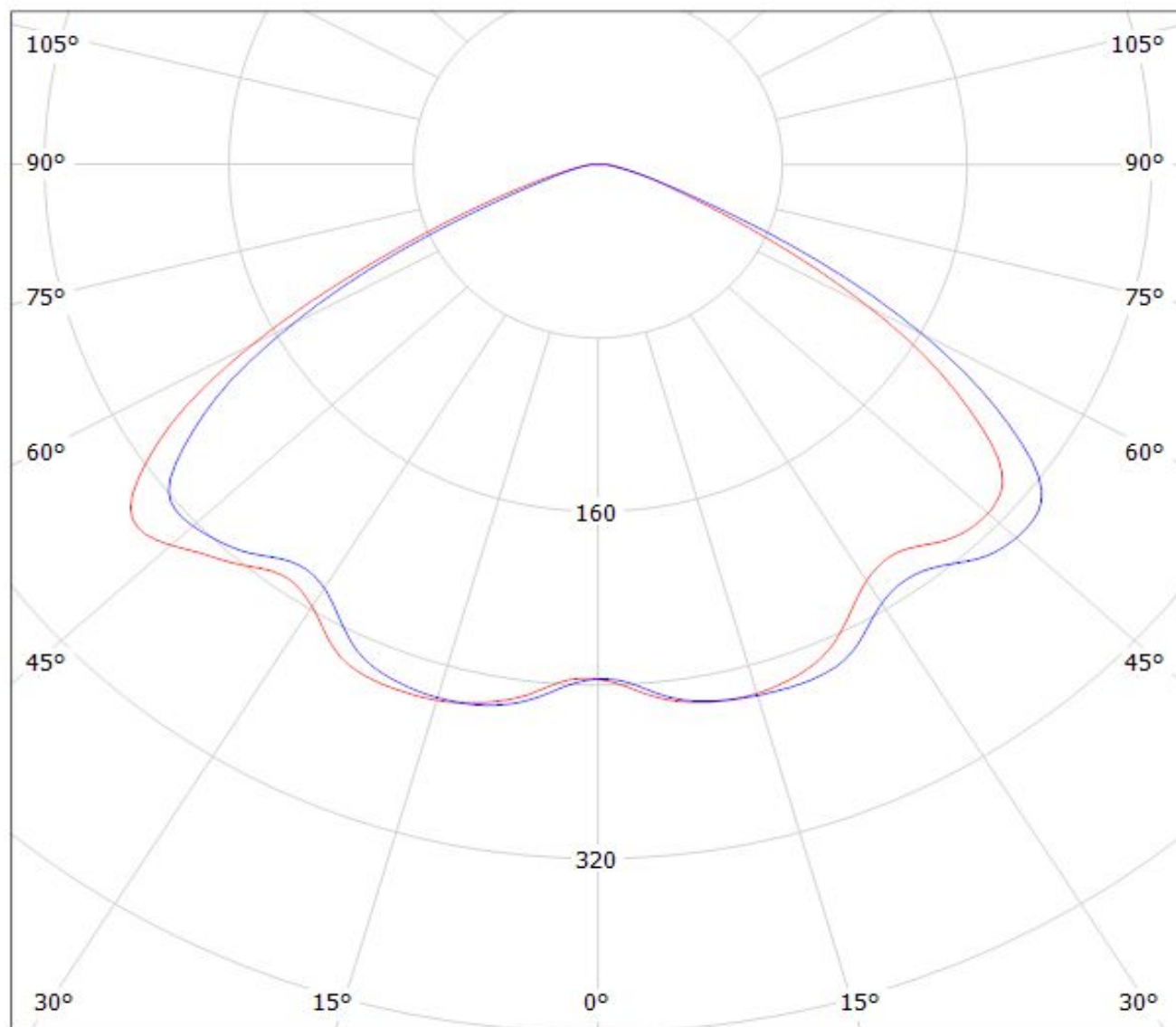
cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(LUXEON_T) Eff. 94%

Lamps: 1 x LUXEON_T_2x2_(LXH8-FW30-3)_293lm@250mA_CCT=3173K_P=2.79801W_I=249.8mA



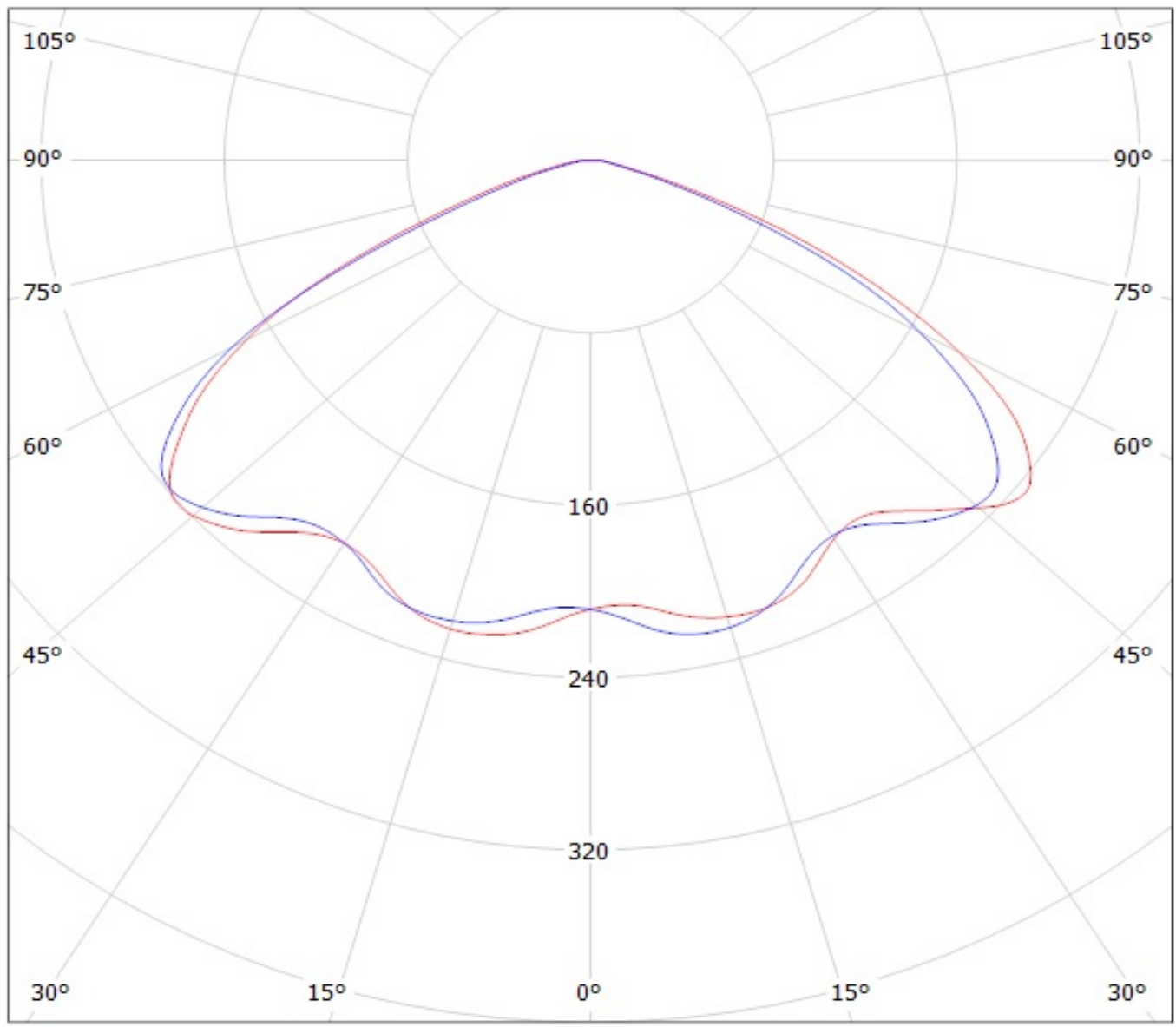
$\eta = 95\%$

cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C13499_STRADA-2x2-CY_(LUXEON_Q) Eff. 94%
Lamps: 1 x LUXEON_Q_2x2_(LHQ-3080)_308lm@250mA_P=2.87385W_I=249.9mA

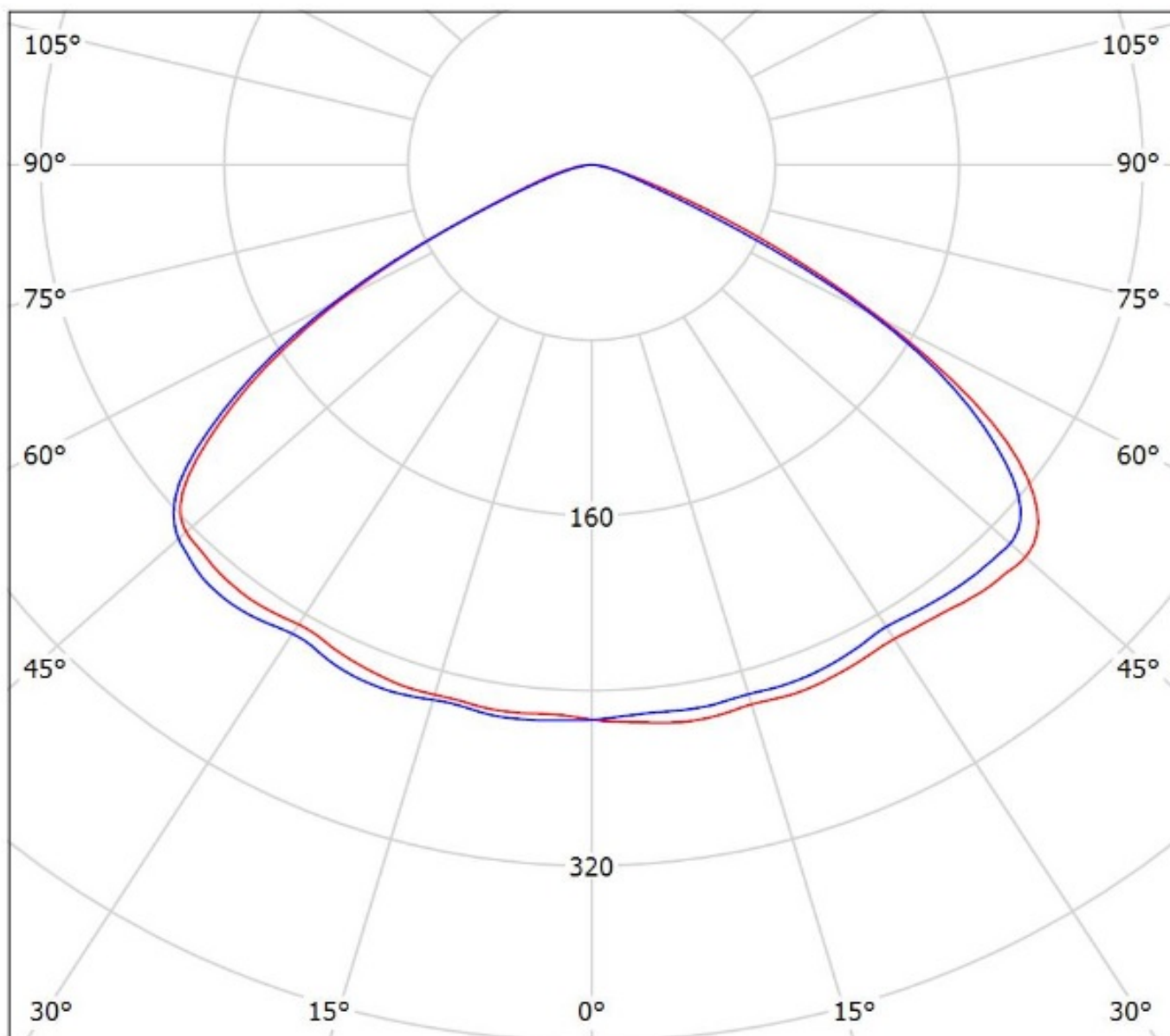


cd/klm

— C0 - C180 — C90 - C270

Luminaire: Ledil C13499_STRADA-2X2-CY_(Luxeon_MZ)

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



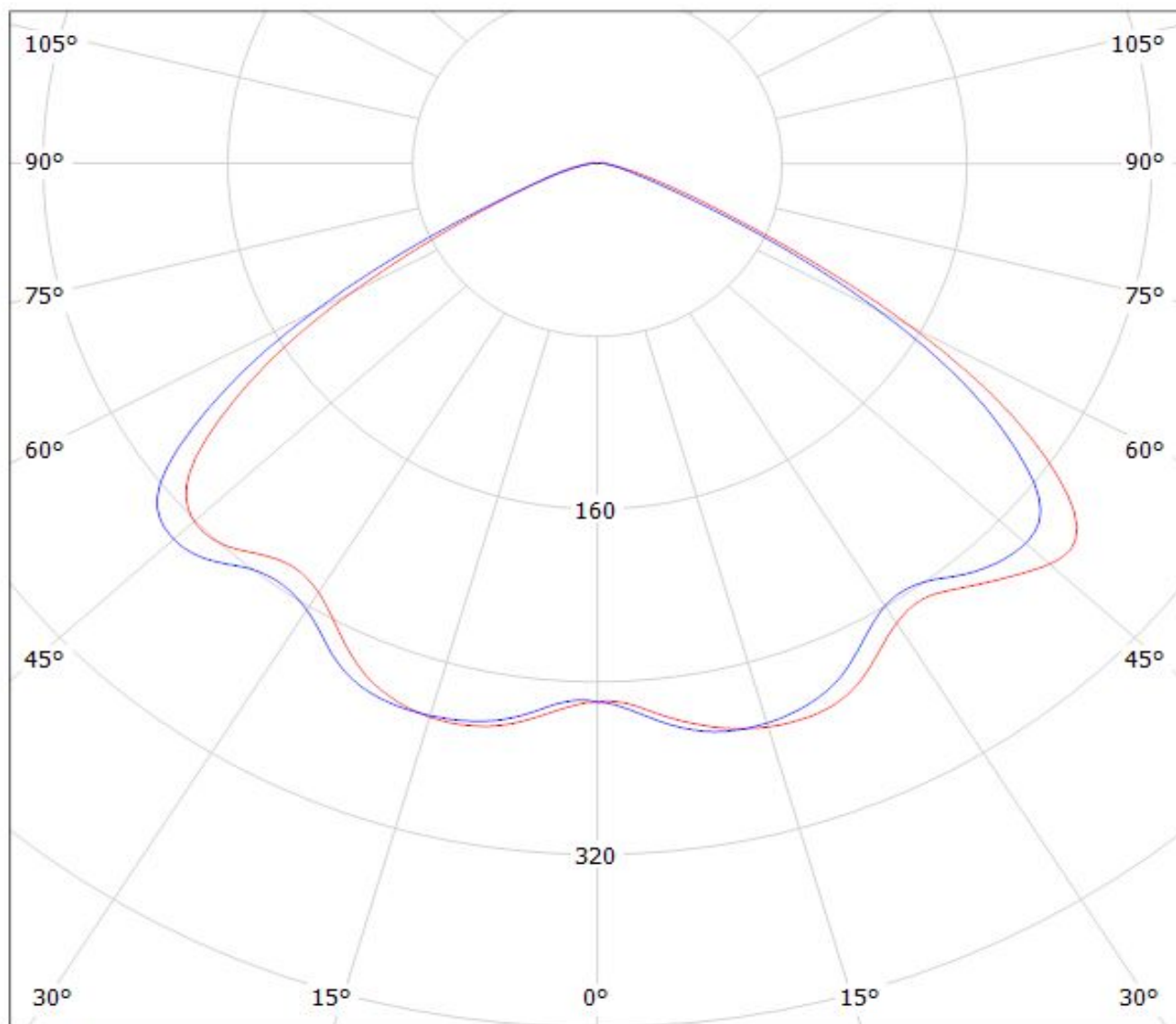
cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(Luxeon_TX)

Lamps: 1 x Luxeon_TX_2x2_320.412lm@250mA_P=2.79013W_I=249.9mA



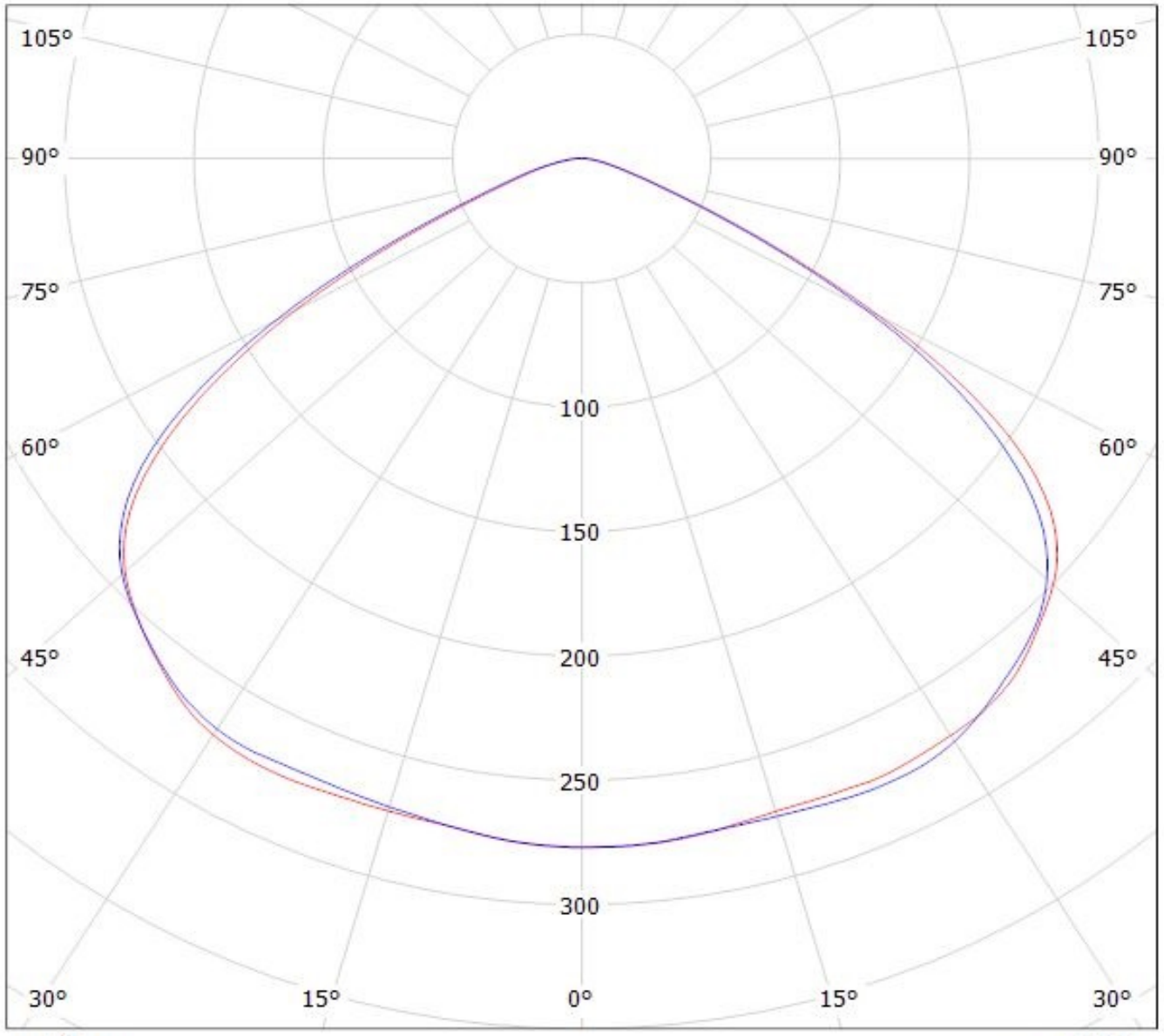
cd/klm

$\eta = 95\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(Luxeon_5050)

Lamps: 1 x Luxeon_5050_2x2_1251.02lm@80mA_CCT=5700K_P=7.27443W_I=0.080A_70CRI

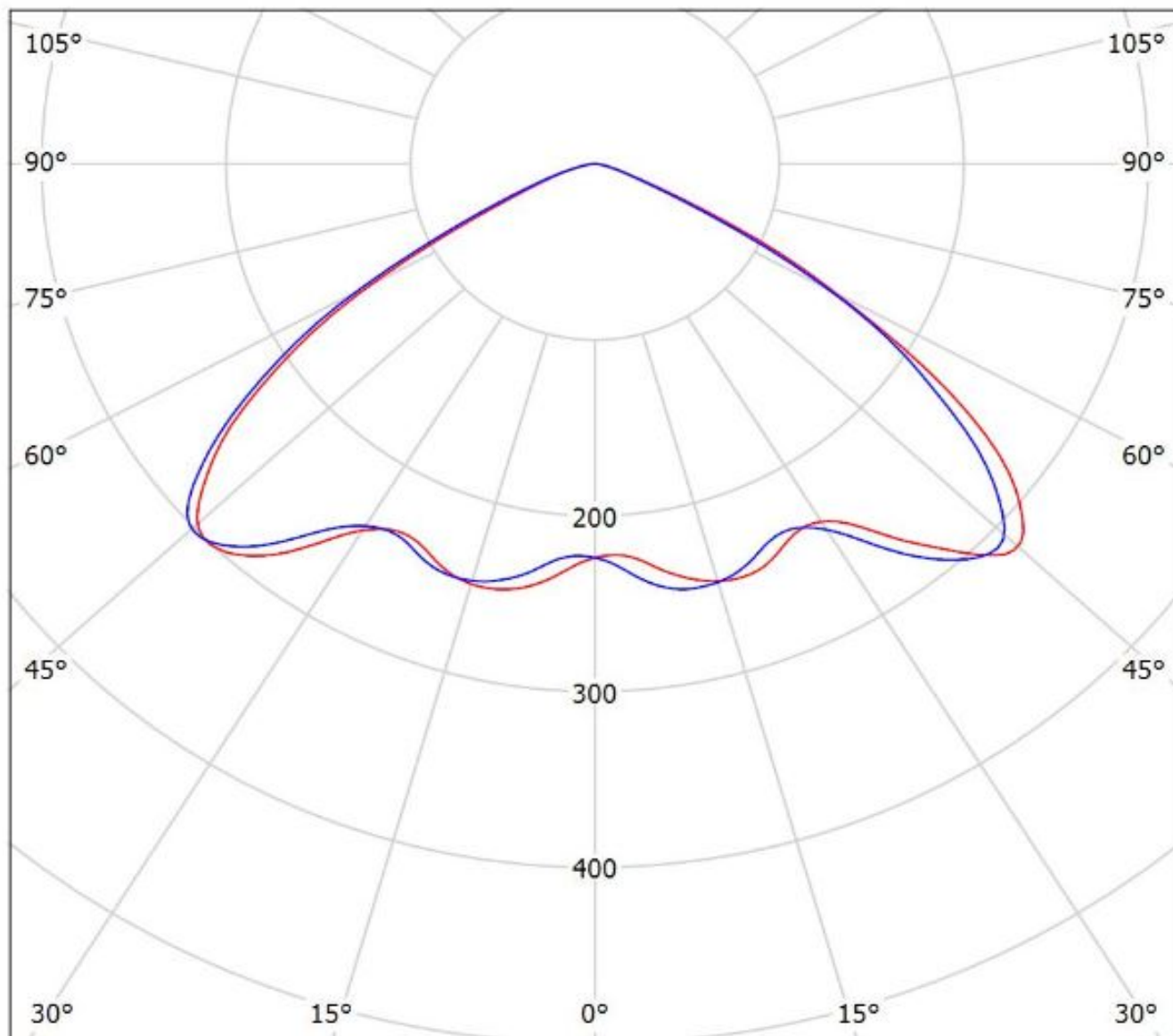


cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(E21A)
Lamps: 1 x Nichia_E21A_452.248lm@250mA_2.805W_I=0.250A

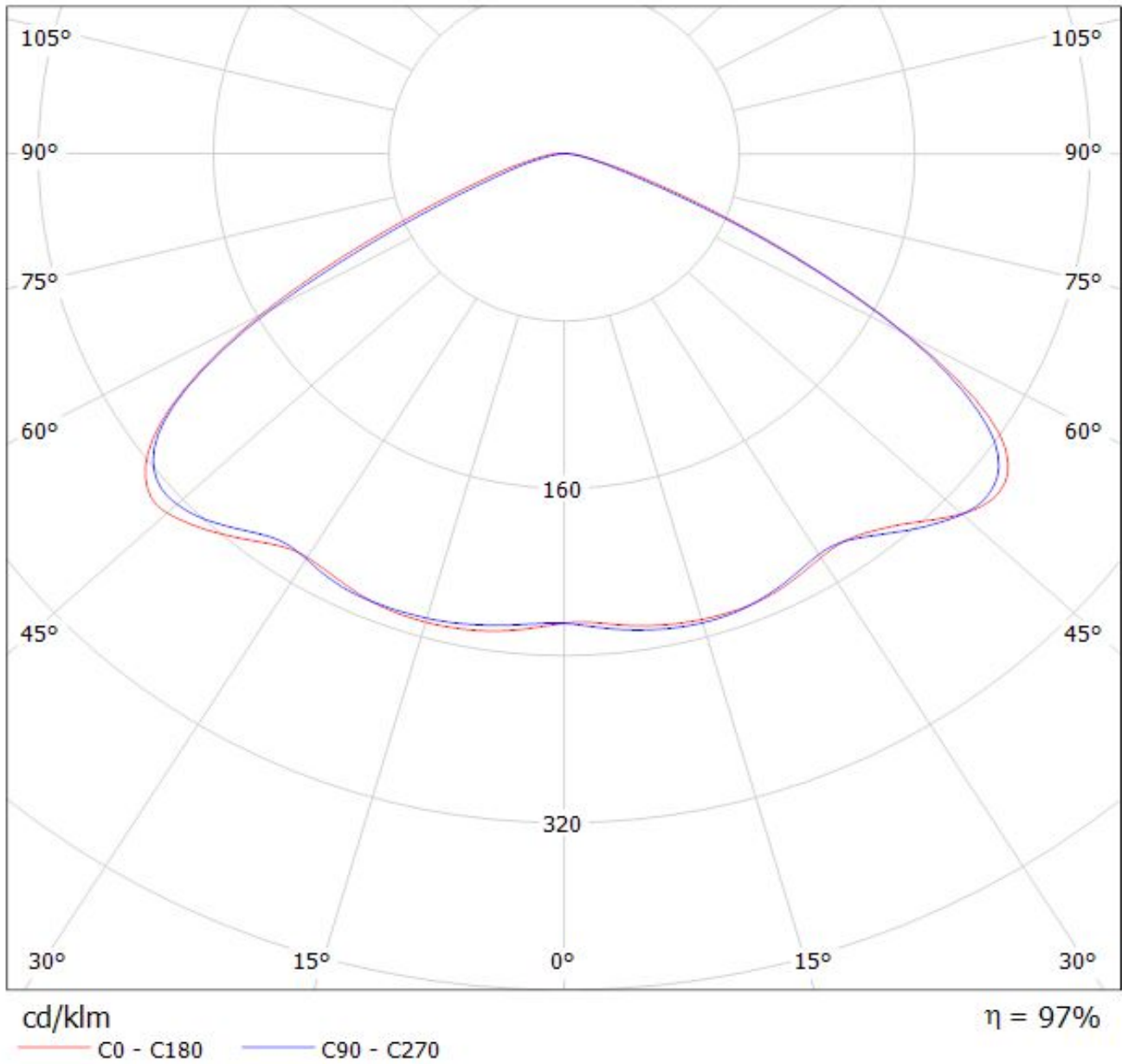


cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(NVSW319AE)
Lamps: 1 x Nichia_NVSW319AE_499.093lm@250mA_P=2.79052W_I=0.25A

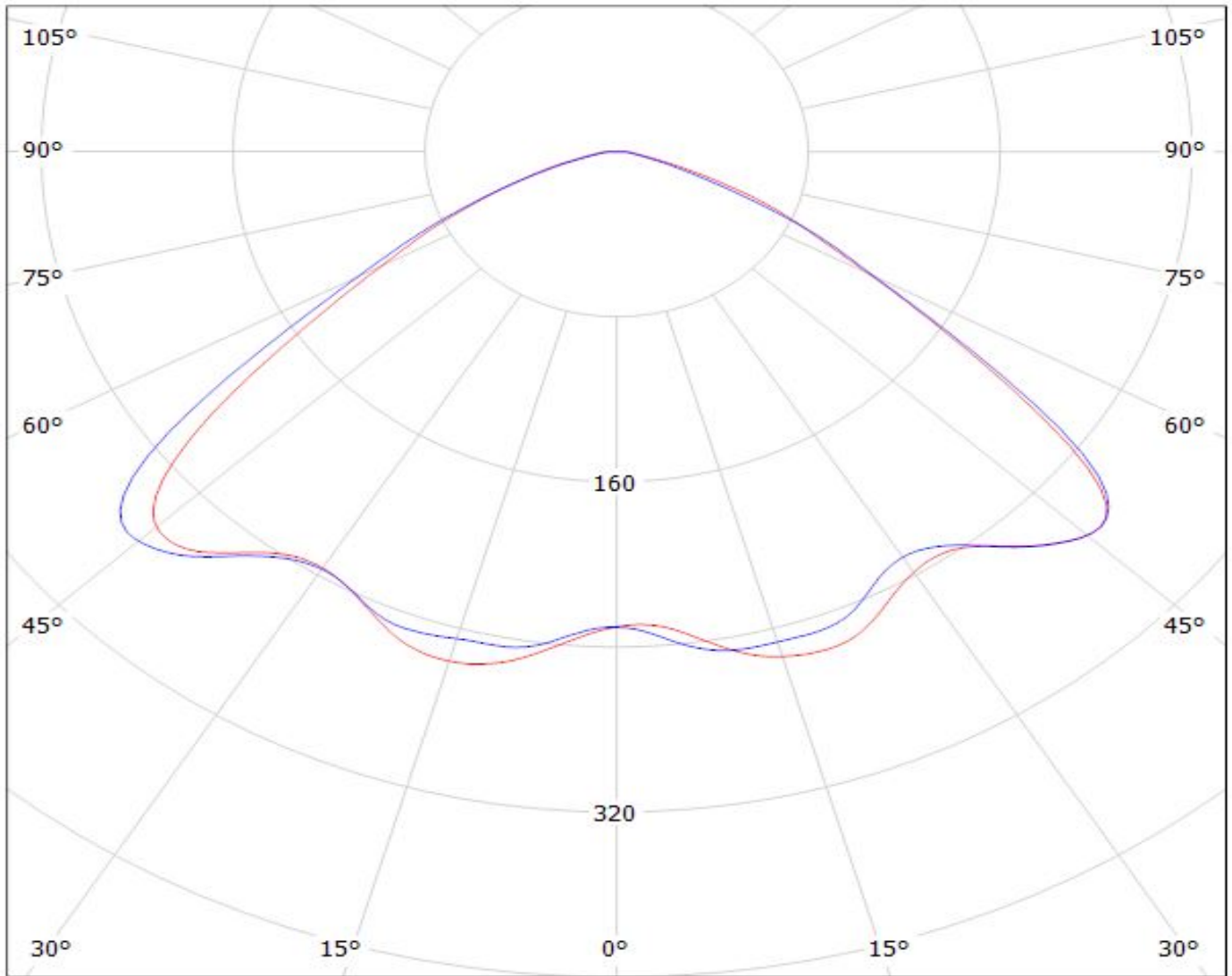


LEDiL Oy C13499_STRADA-2X2-CY_(SQ-PC) Eff.97.2% / LDC (Polar)

Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(SQ-PC) Eff.97.2%

Lamps: 1 x Osram_Oslon-Square-PC_2x2_(LQW-CQAR.PC-MSMU-5H71-1)

_404.7lm@250mA_CCT=5960K_P=2.96862W_I=249.8mA



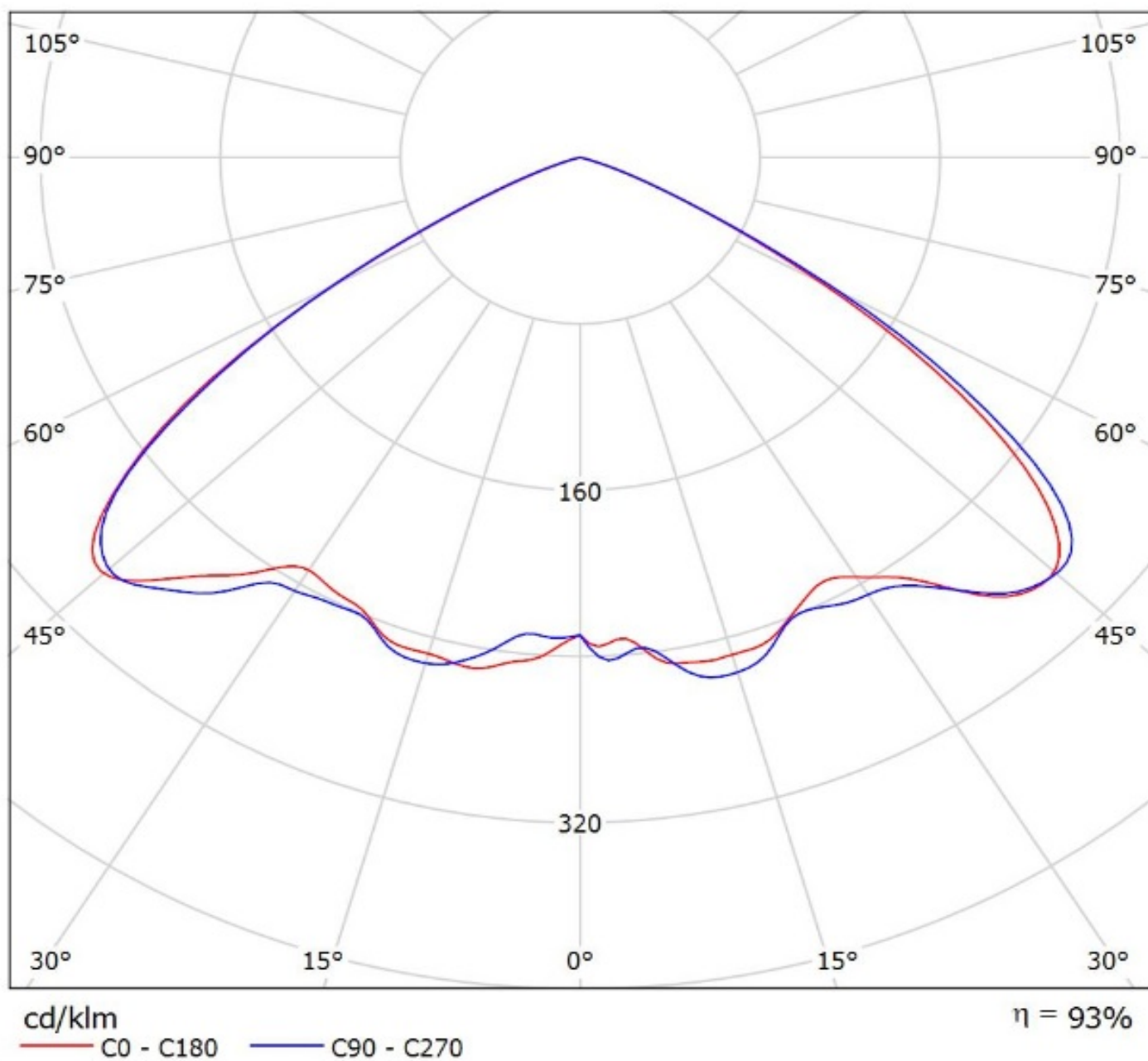
cd/klm

— C0 - C180

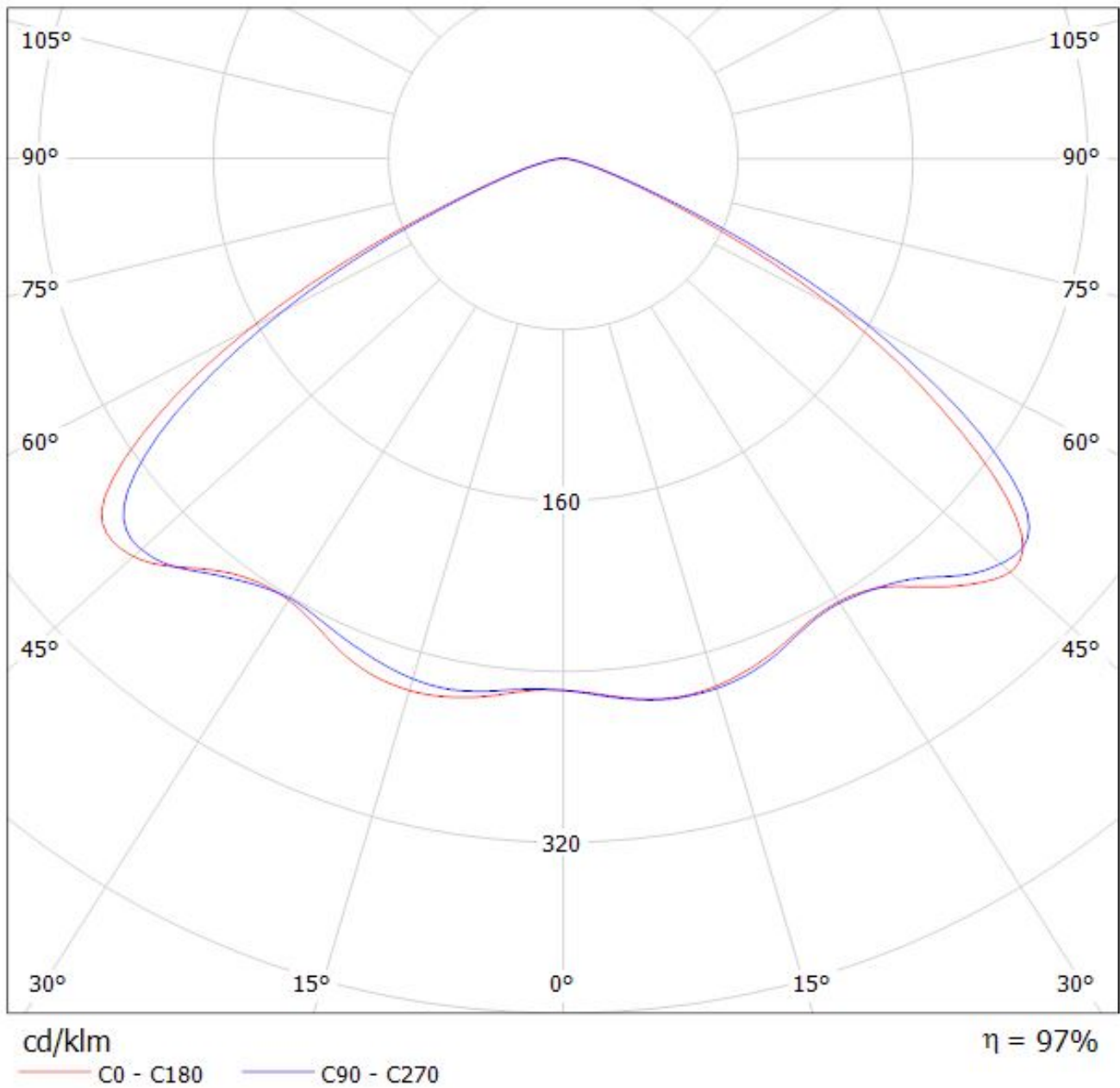
— C90 - C270

$\eta = 94\%$

Luminaire: Ledil Oy C13499_STRADA-2X2-CY_(Duris_P8)_SIMULATED
Lamps: 1 x Osram Duris P8

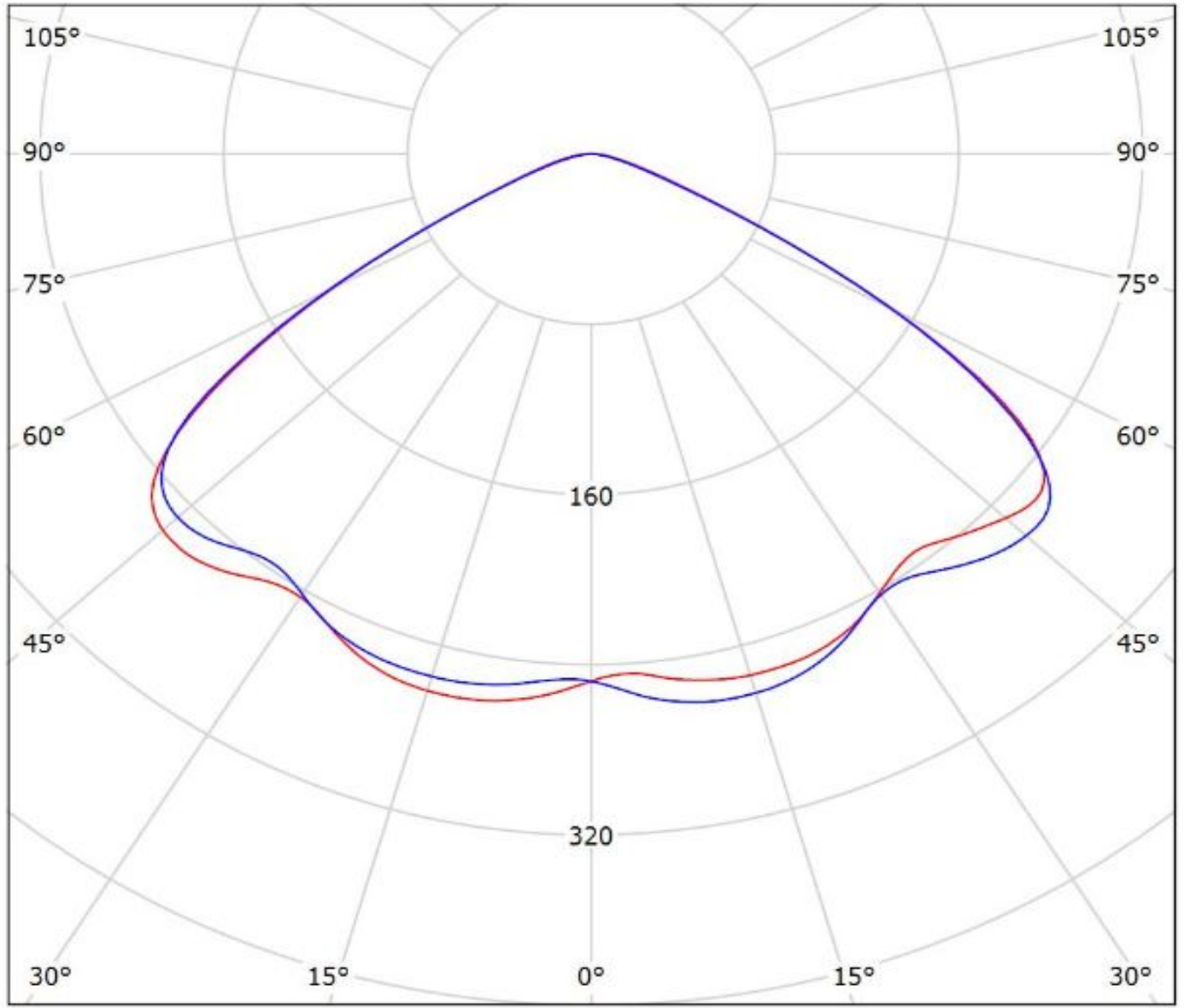


Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(Fortimo_F-Flex_2x8_740DAG3)
Lamps: 1 x Philips_Fortimo_F-Flex_2x8_740DAG3_1786.86lm@250mA_P=11.6092W_I=0.2498A



Luminaire: Ledil C13499_STRADA-2X2-CY_(LH351B)

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



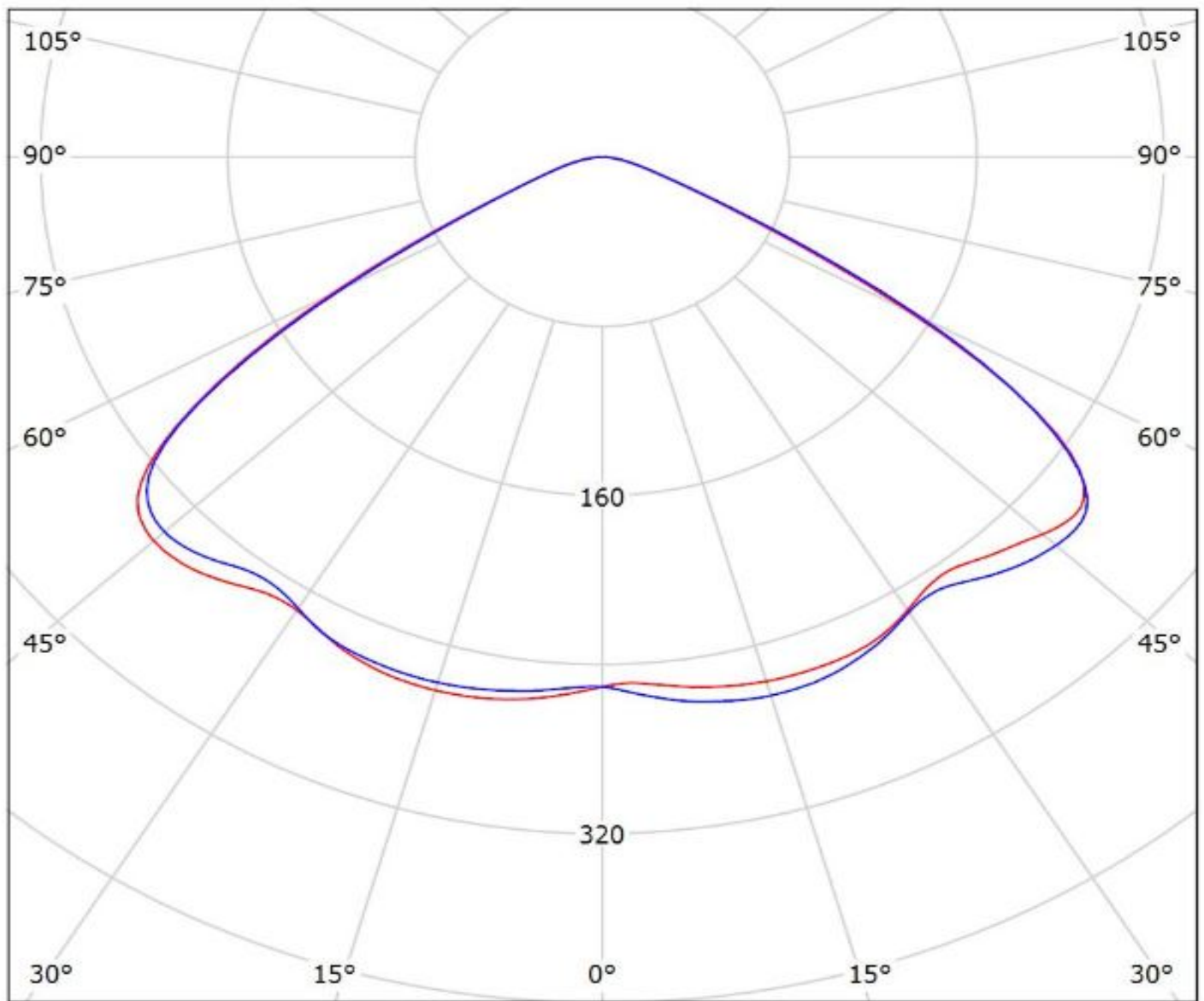
cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: Ledil C13499_STRADA-2X2-CY_(LH351C)

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



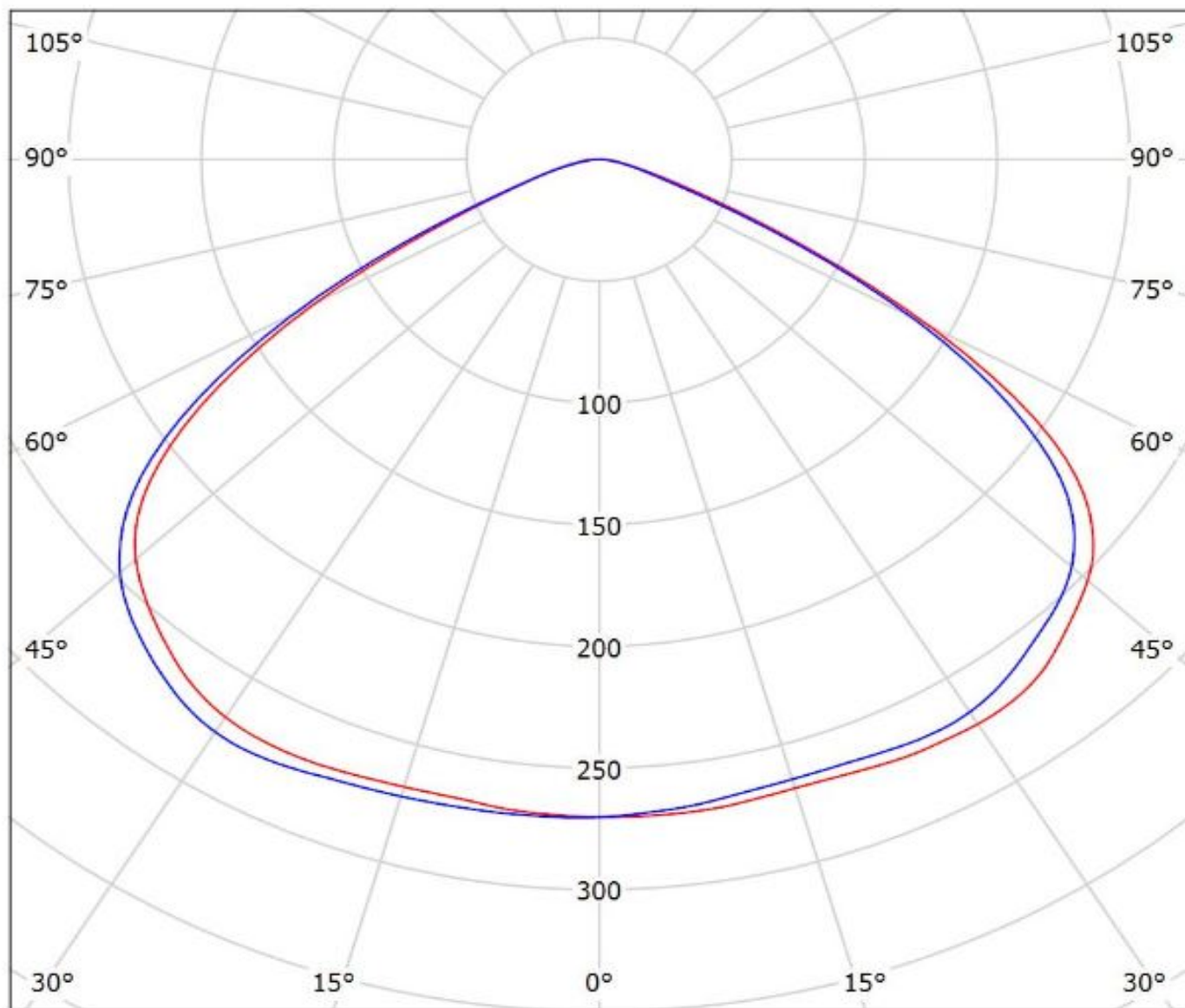
cd/klm

— C0 - C180 — C90 - C270

$\eta = 98\%$

Luminaire: Ledil C13499_STRADA-2X2-CY_(LH508A)

Lamps: 1 x Samsung_LH508A_2x2_2060.04lm@160mA_CCT=5000K_CRI=80_P=15.5405W_I=0.16A

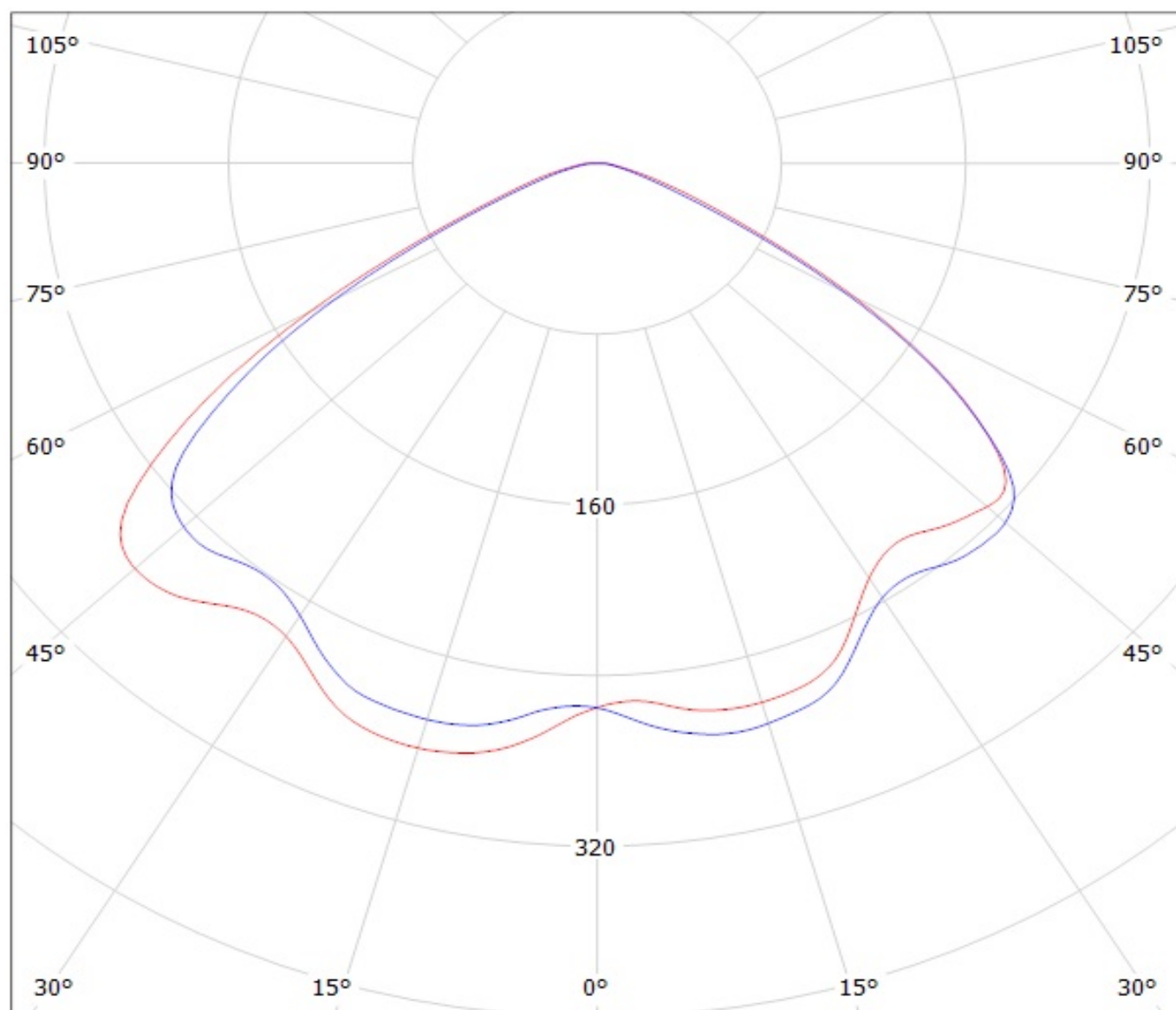


cd/klm

— C0 - C180 — C90 - C270

η = 98%

Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(Z5M1)_(SZ5-M1-WN-C8)_Eff._94%
Lamps: 1 x Seoul_Z5M1_2X2_(SZ5-M1-WN-C8)_396lm@250mA_CCT=4587K_P=2.9W_I=250mA



cd/klm

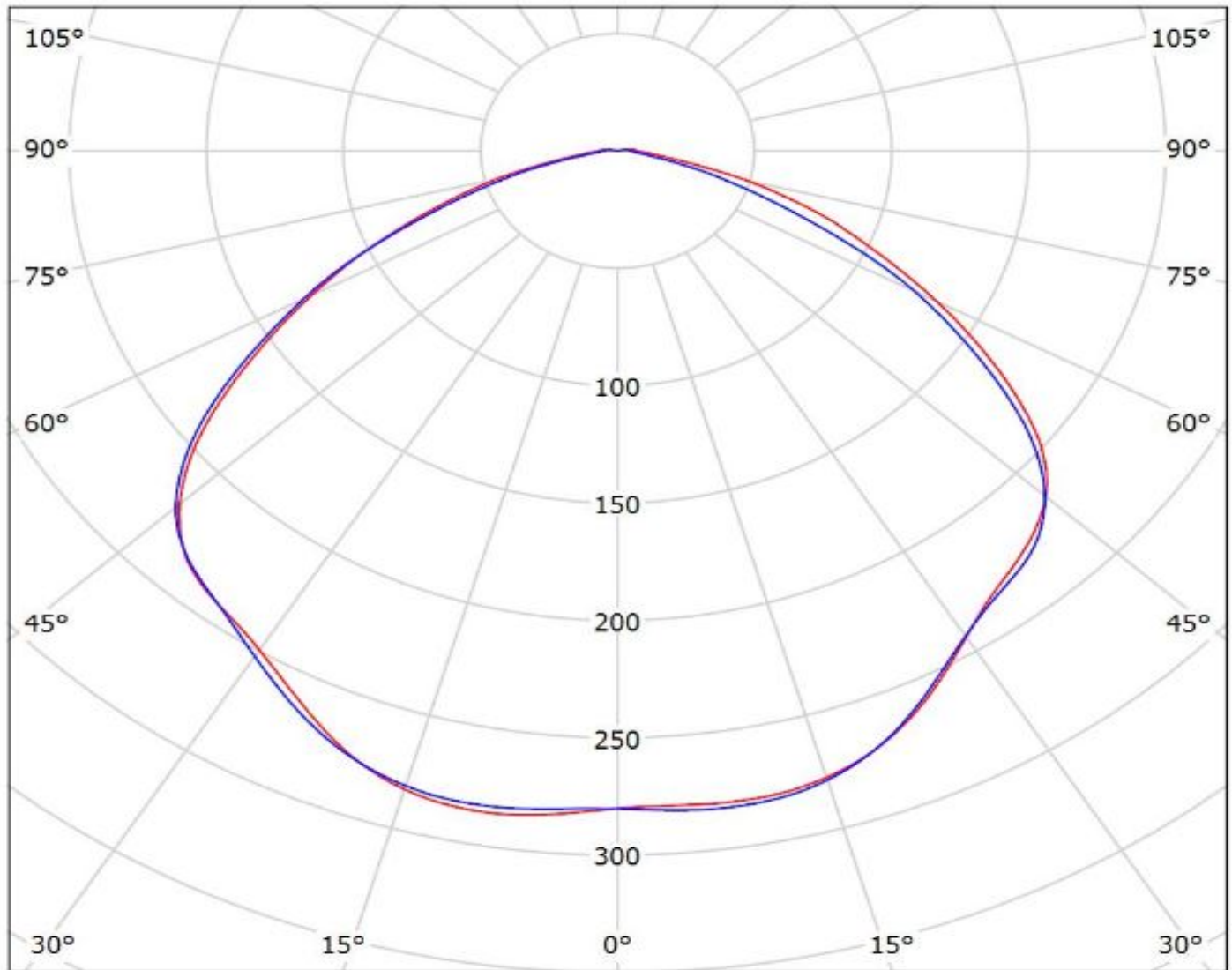
— C0 - C180

— C90 - C270

Ledil C13499_STRADA-2X2-CY_(TL1L3) / LDC (Polar)

Luminaire: Ledil C13499_STRADA-2X2-CY_(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

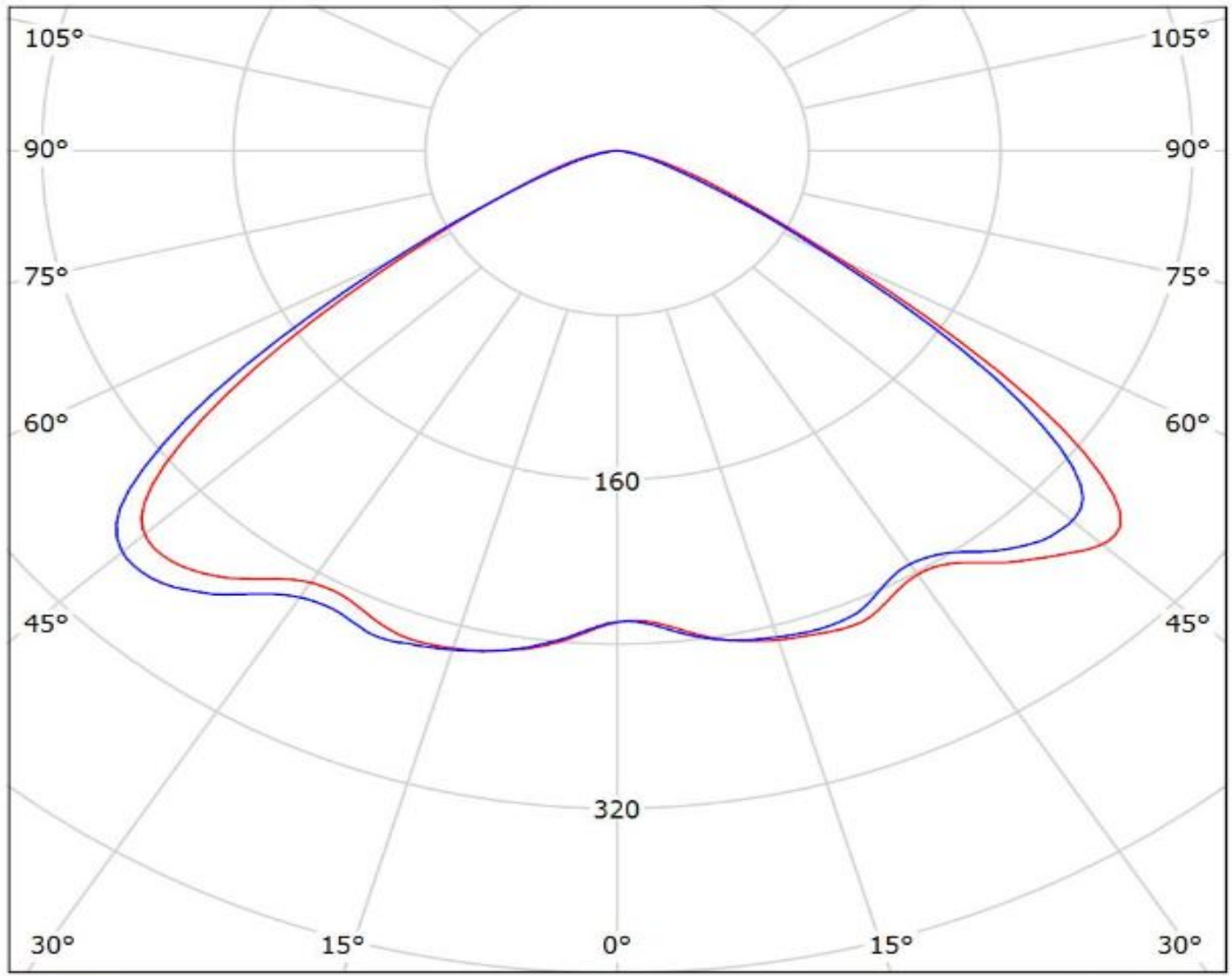
— C90 - C270

$\eta = 96\%$

Ledil C13499_STRADA-2X2-CY_(TL1L4) / LDC (Polar)

Luminaire: Ledil C13499_STRADA-2X2-CY_(TL1L4)

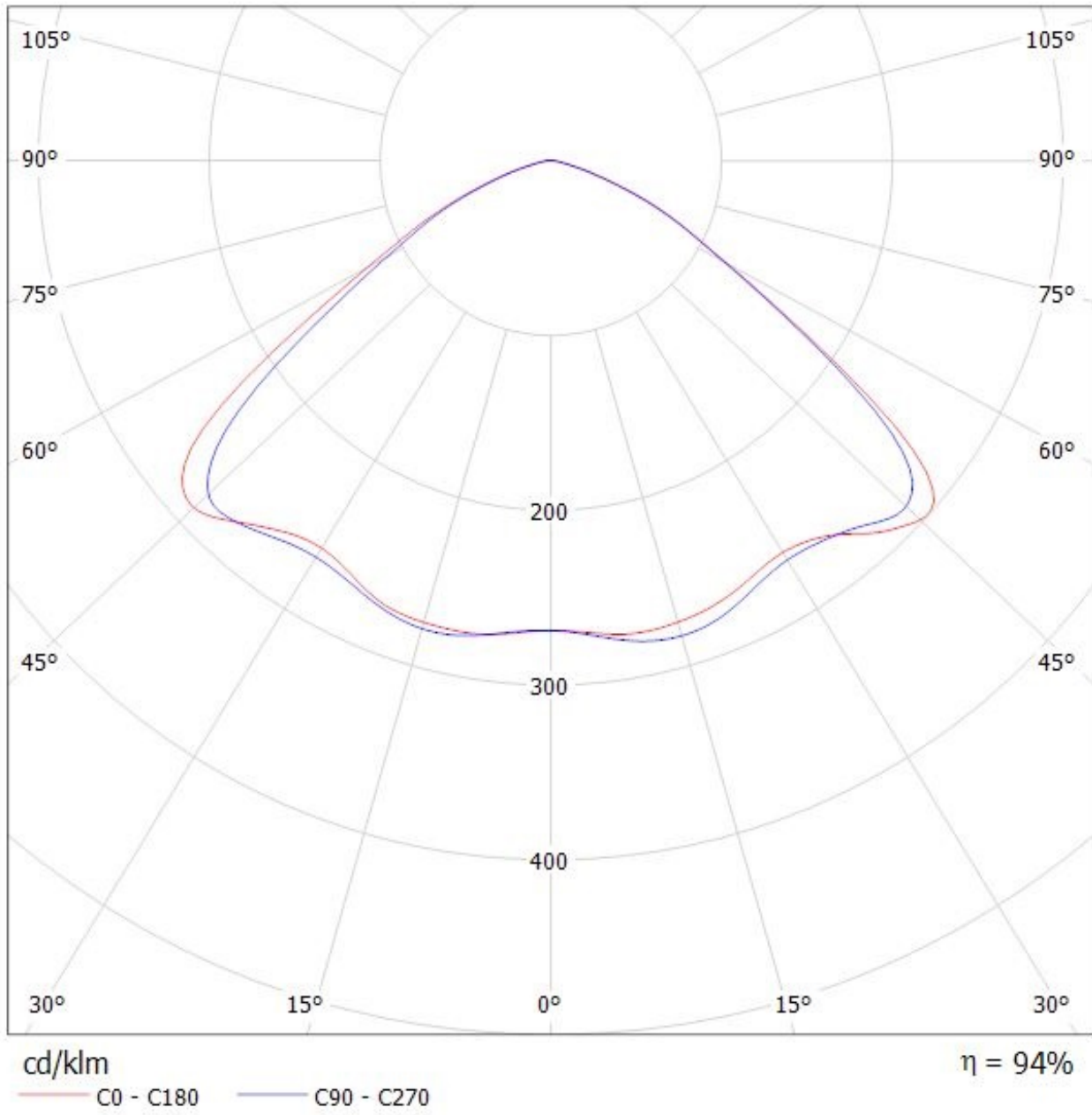
Lamps: 1 x Toshiba_TL1L4_2x2_(TL1L4-DW0)_472.639lm@250mA_CCT=6500K_P=2.9W_I=0.25A



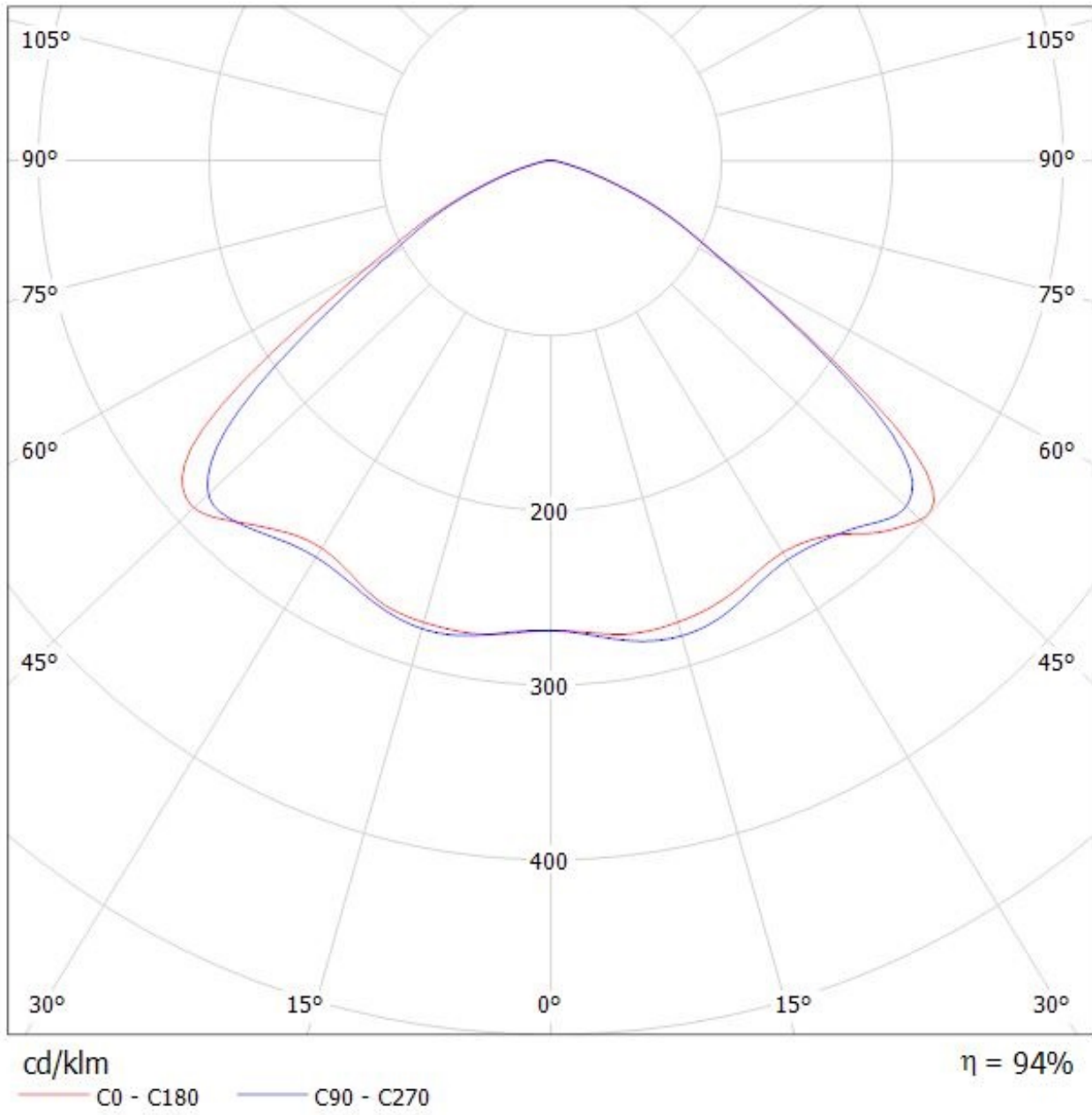
cd/klm
— C0 - C180 — C90 - C270

$\eta = 91\%$

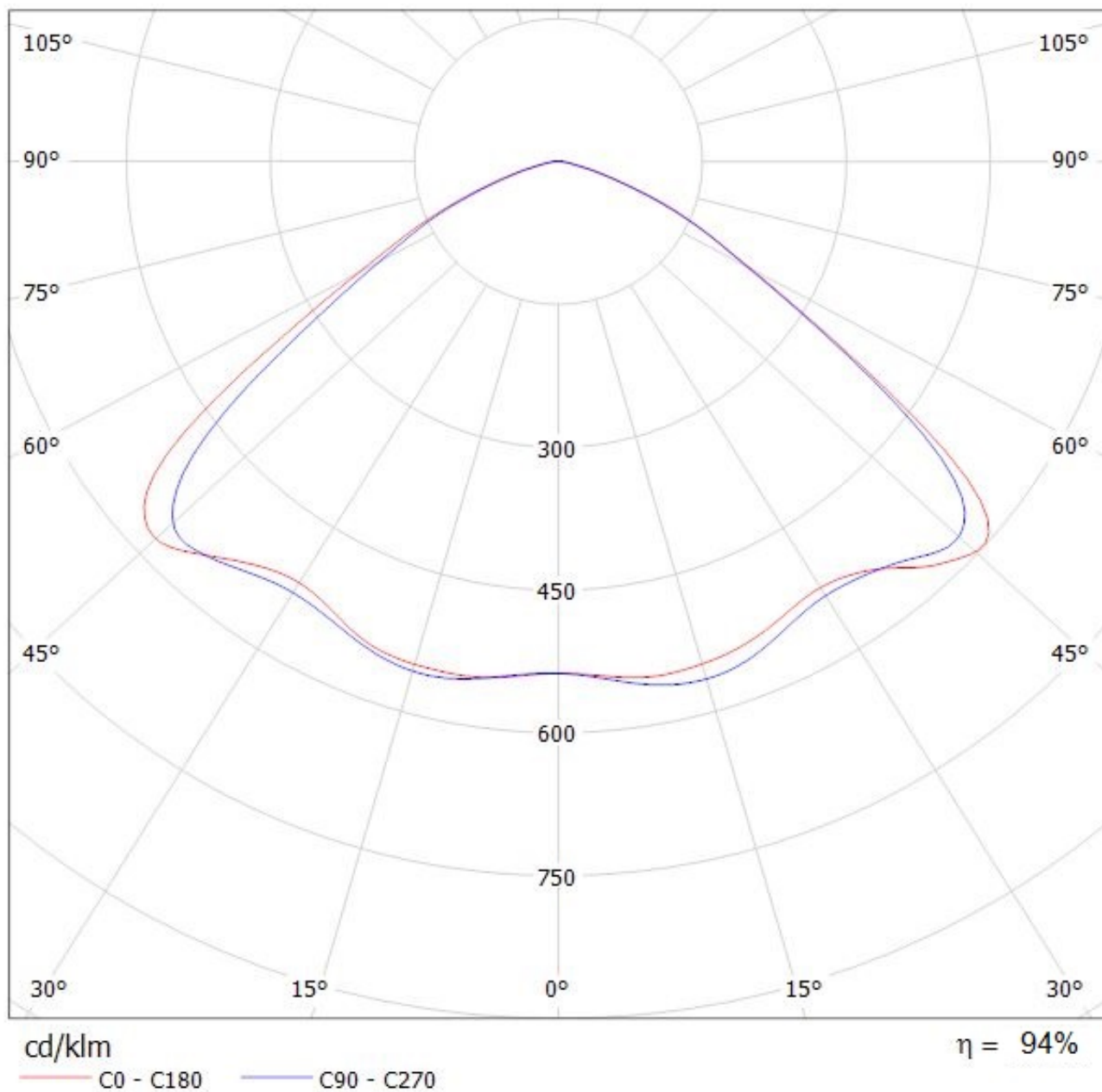
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4576.03lm@700mA_P=32.0681W_I=0.700A



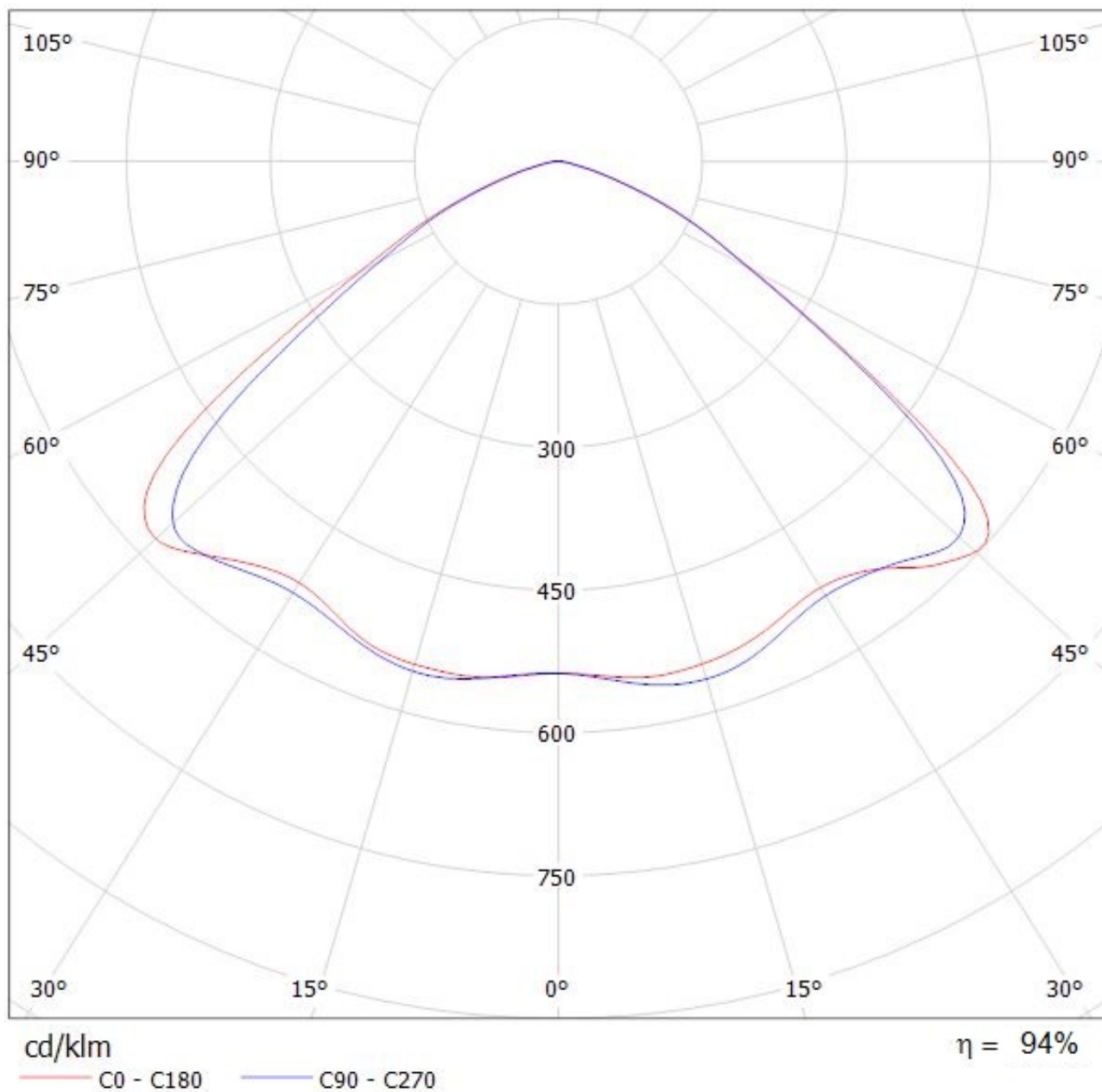
Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4576.03lm@700mA_P=32.0681W_I=0.700A



Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_2288lm@700mA_P=16W_I=0.700A



Luminaire: LEDiL Oy C13499_STRADA-2X2-CY_(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.