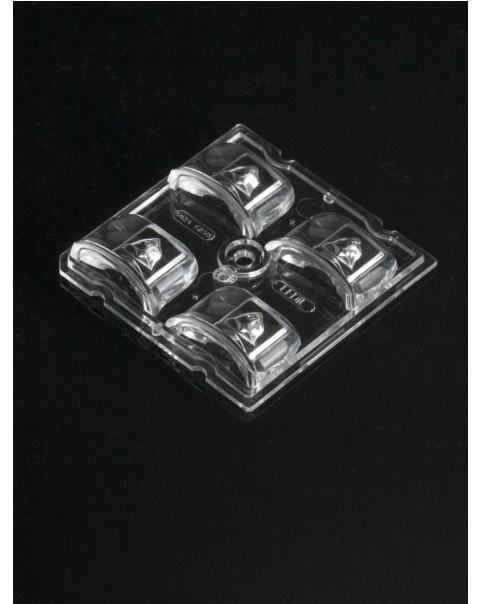


DETAILS

| | |
|------------------------|-----------------------|
| Product Number | C15021_STRADA-2X2-SCL |
| Family | Strada |
| Type | Lens |
| Color | clear |
| Diameter | 50 mm |
| Height | 7,8 mm |
| Style | square |
| Optic Material | PMMA |
| Holder Material | |
| Fastening | screw, pin |
| Status | production ready |
| ROHS Compliant | Yes |
| Date Updated | 21/04/2016 |



OPTICAL PROPERTIES

| LED | Viewing Angle | Light Beam | Efficiency | cd/lm | Connector |
|---------------------------------------|----------------|---------------|------------|------------|---|
| SMD 5050 | Asymmetric deg | Streetligh... | 94 % | 0.630 | - |
| XB-H | sim: Asymmetri | Streetligh... | - | - | - |
| XHP35 HD | sim: Asymmetri | Streetligh... | - | - | - |
| XM-L2 | sim: Asymmetri | Streetligh... | - | - | - |
| XP-L | Asymmetric deg | Streetligh... | 94 % | 0.900 | - |
| XP-L HI | sim: Asymmetri | Streetligh... | - | - | - |
| XT-E | sim: Asymmetri | Streetligh... | - | - | - |
| XP-L | Asymmetric deg | Streetligh... | 78 % | 0.550 | Undefined Manufacturer: Protective Plate, Glass |
| XP-G2 | Asymmetric deg | Streetligh... | 94 % | 1.200 | - |
| XP-L2 | Asymmetric deg | Streetligh... | 94 % | 0.750 | - |
| XP-G3 | sim: Asym | Streetligh... | sim: 90 % | sim: 0.760 | - |
| H35C1 (LEMWA33) | sim: Asymmetri | Streetligh... | sim: 91 % | sim: 0.740 | - |
| H35C1 (LEMWA33) | Asymmetric deg | Streetligh... | 94 % | 1.100 | - |
| LUXEON 5258 | sim: Asymmetri | Streetligh... | - | - | - |
| LUXEON TX | Asymmetric deg | Streetligh... | 94 % | 1.040 | - |
| LUXEON 5050 | Asymmetric deg | Streetligh... | 94 % | 0.660 | - |
| NVSxx19B/NVSxx19C | sim: Asymmetri | Streetligh... | - | - | - |
| NVSxE21A | asym deg | Streetligh... | 94 % | 0.380 | - |
| NVSW3x9A | Asymmetric deg | Streetligh... | 94 % | 0.930 | - |
| Duris S8 | sim: Asym | Streetligh... | sim: 92 % | sim: 0.620 | - |
| Oslon Square PC | Asymmetric deg | Streetligh... | 94 % | 0.900 | - |
| Oslon Square Gen3 | Asymmetric deg | Streetligh... | 94 % | 1.100 | - |
| Duris P9 | sim: Asymmetri | Streetligh... | sim: 91 % | sim: 0.710 | - |
| Fortimo FastFlex LED board 2x8 DA G4 | Asymmetric deg | Streetligh... | 94 % | 1.000 | - |
| Fortimo FastFlex LED board 2x8 DAX G4 | sim: Asymmetri | Streetligh... | sim: 90 % | sim: 0.760 | - |



PRODUCT DATASHEET

Strada series

last update 21/4/2016

OPTICAL PROPERTIES

| LED | Viewing Angle | Light Beam | Efficiency | cd/lm | Connector |
|-----------------------------------|----------------|---------------|------------|-------|-----------|
| LH351B | Asymmetric deg | Streetligh... | 94 % | 0.860 | - |
| LH351D | Asymmetric deg | Streetligh... | 93 % | 0.740 | - |
| LH351C | Asymmetric deg | Streetligh... | 94 % | 0.900 | - |
| LH508A | Asymmetric deg | Streetligh... | 94 % | 0.700 | - |
| Z5M1/Z5M2 | sim: Asymmetri | Streetligh... | - | - | - |
| Z8Y22P | Asymmetric deg | Streetligh... | 94 % | 0.960 | - |
| TL1L4 | sim: Asymmetri | Streetligh... | - | - | - |
| RLE G1 49x223mm 4000lm xxx EXC OT | Asymmetric deg | Streetligh... | 94 % | 0.900 | - |
| RLE G1 49x245mm 4000lm xxx EXC OT | Asymmetric deg | Streetligh... | 94 % | 0.900 | - |
| RLE G1 49x121mm 2000lm xxx EXC OT | Asymmetric deg | Streetligh... | 94 % | 0.900 | - |
| RLE G1 49x133mm 2000lm xxx EXC OT | Asymmetric deg | Streetligh... | 94 % | 0.900 | - |

D

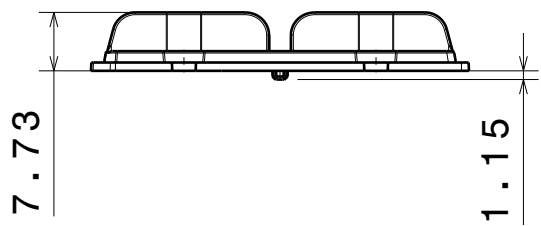
C

B

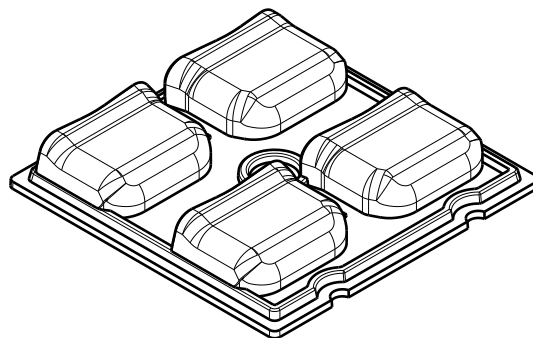
A

4

4



Front view

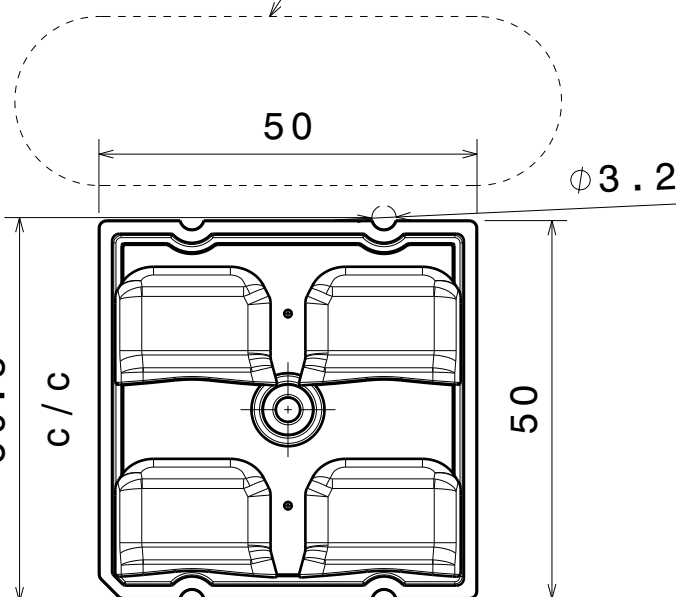


Isometric view
Scale: 1:1

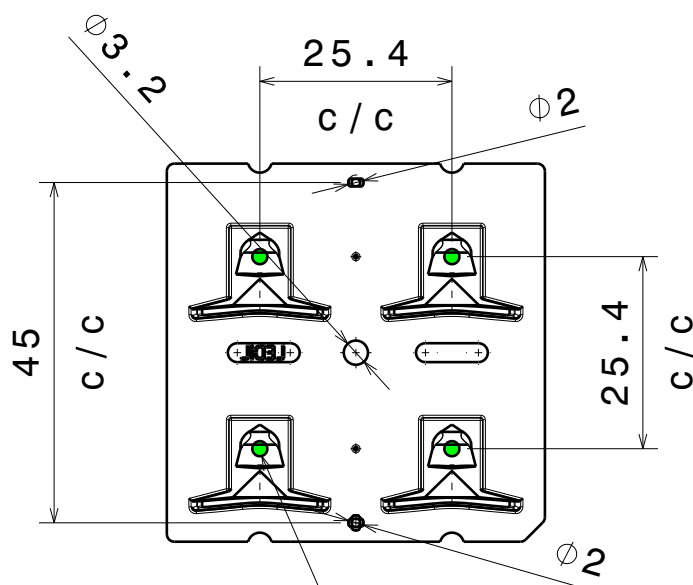
Beam direction

3

3



Top view



Bottom view

LED middle position

2

2

| INDEX | PART NO | DESCRIPTION | MATERIAL | COLOUR |
|-------|---------|----------------|----------|--------|
| 1 | C15021 | STRADA-2X2-SCL | 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 Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
C15021_STRADA-2X2-SCL

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 |
|------|-------------|
| A4 | C15021 |

| SCALE | 1:1 | WEIGHT | 9,35 g | SHEET | 1/1 |
|-------|-----|--------|--------|-------|-----|
|-------|-----|--------|--------|-------|-----|

1

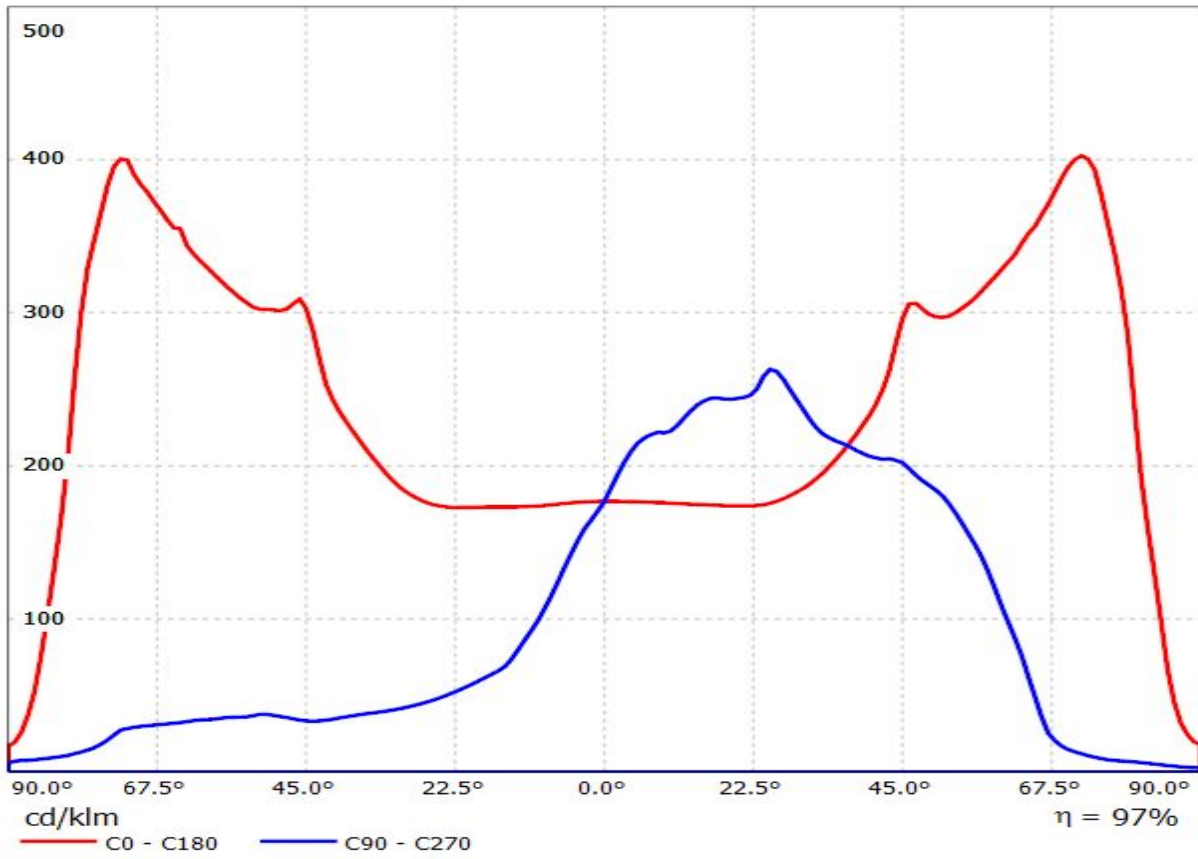
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D

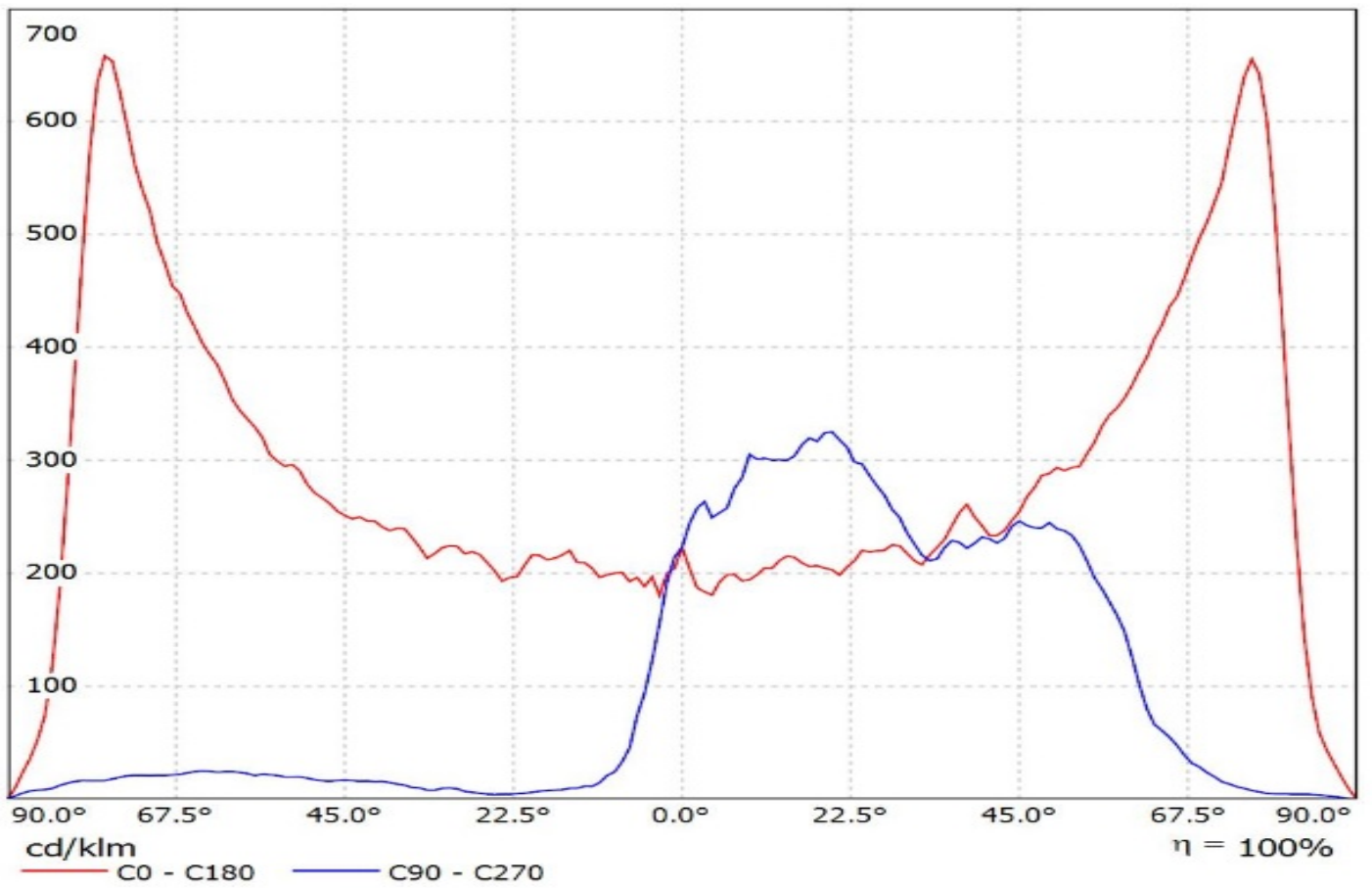
A

Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(Bridgelux_5050_Gen2)

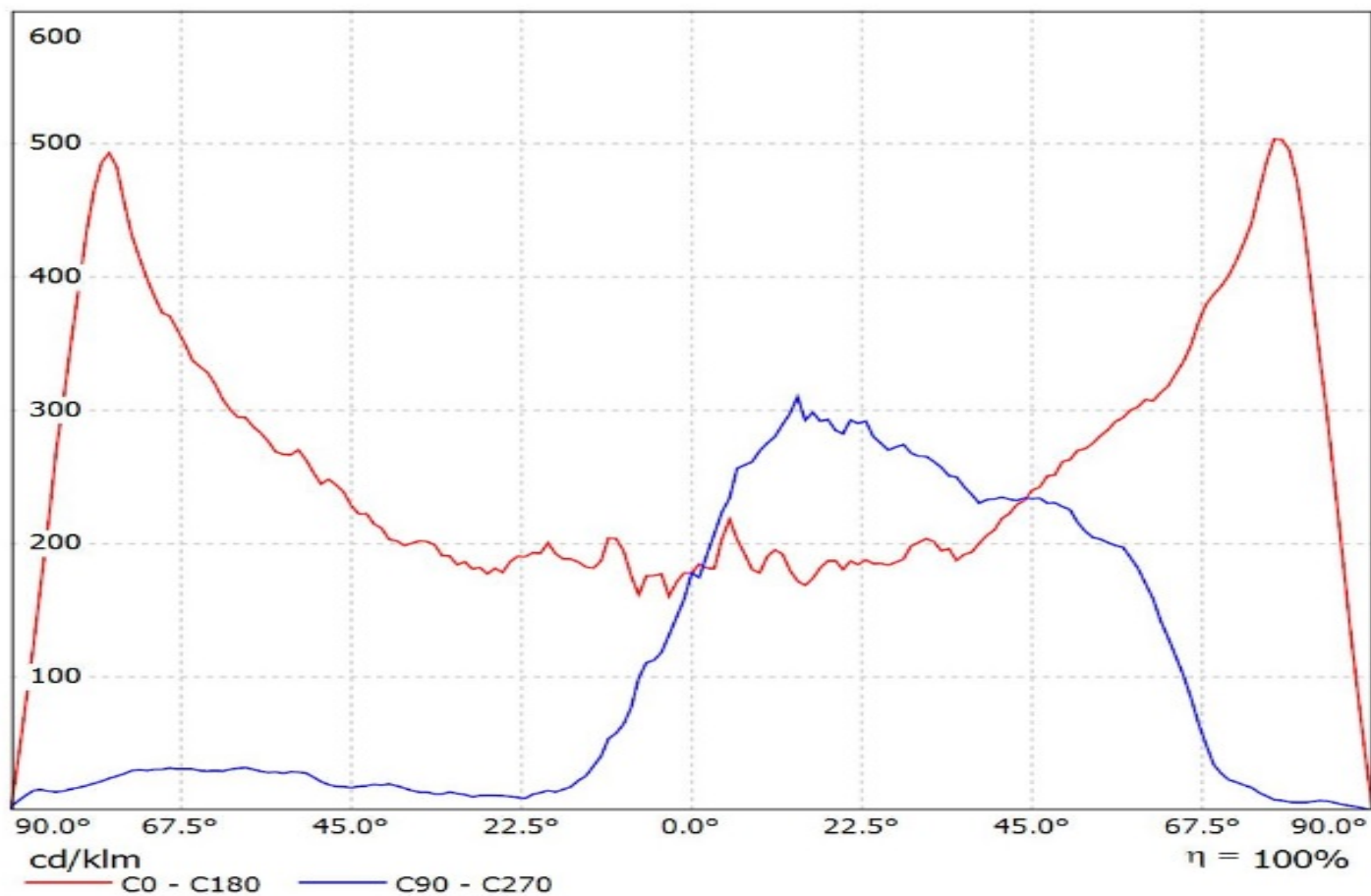
Lamps: 1 x Bridgelux_5050_Gen2_2x2_(BXEP-57C-435-09B)_1447.45lm@250mA_CCT=5700K_P=8.29761W_I=0.25A



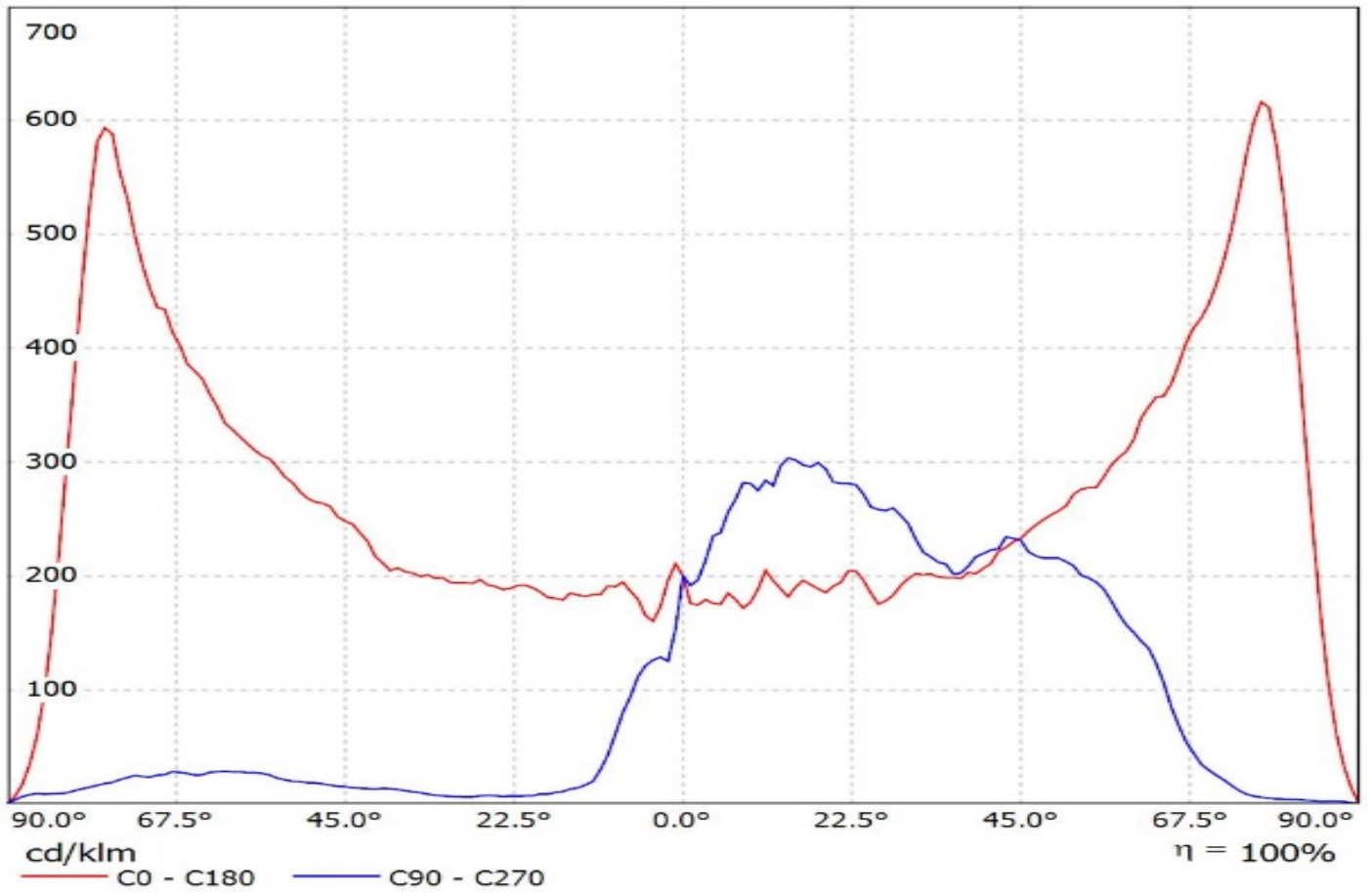
Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Cree_XB-H
Lamps: 1 x



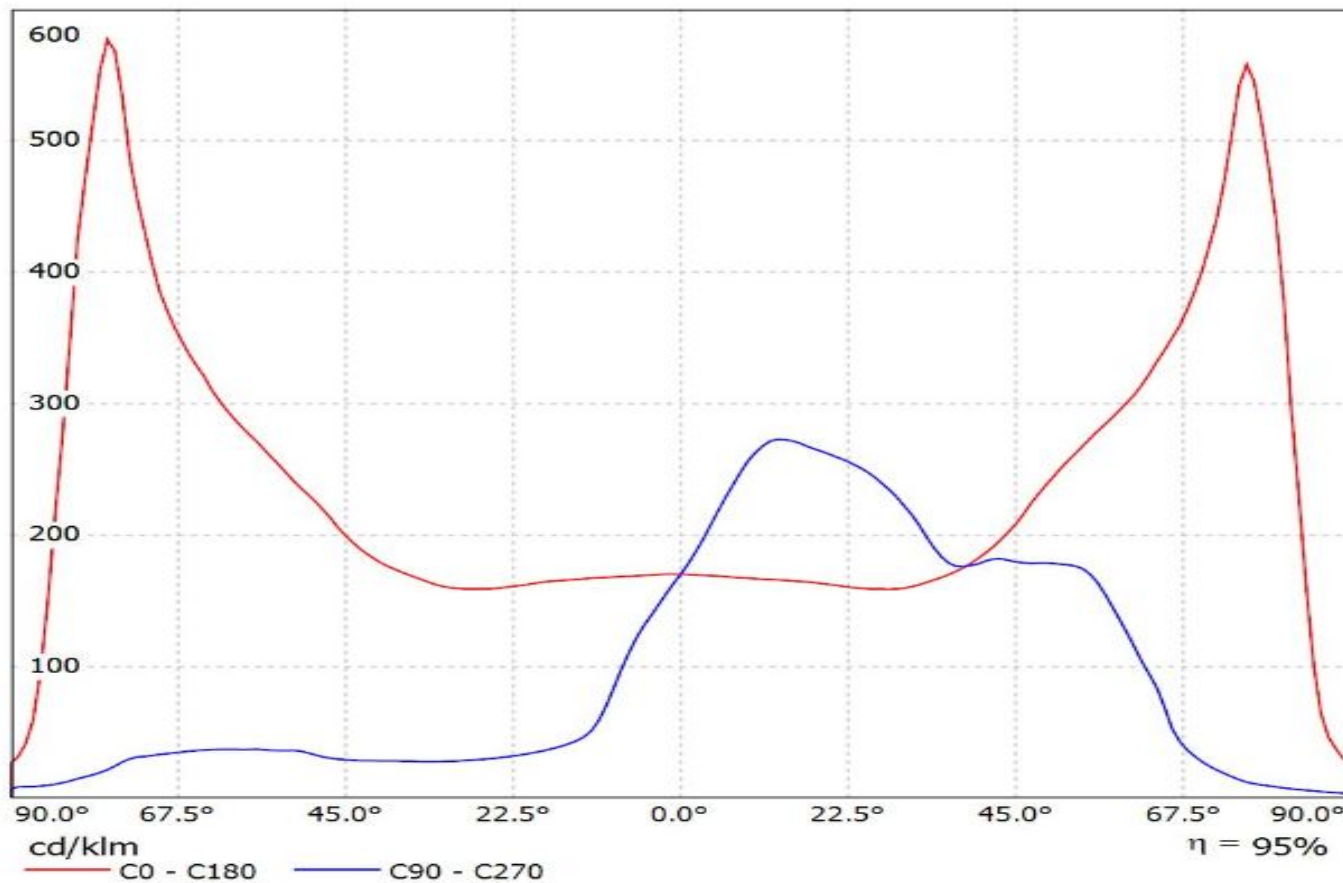
Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Cree_XHP35
Lamps: 1 x



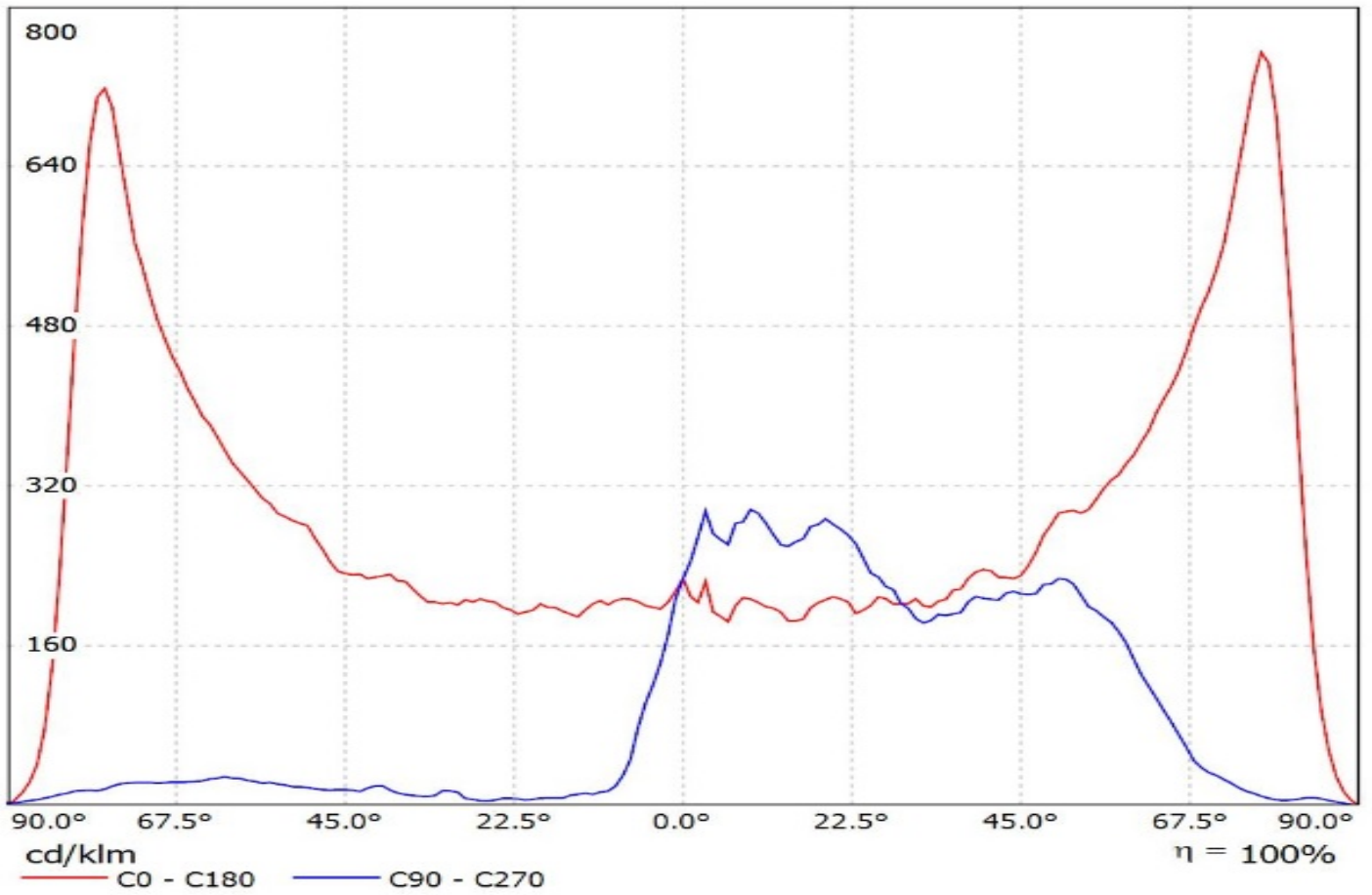
Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Cree_XM-L2
Lamps: 1 x



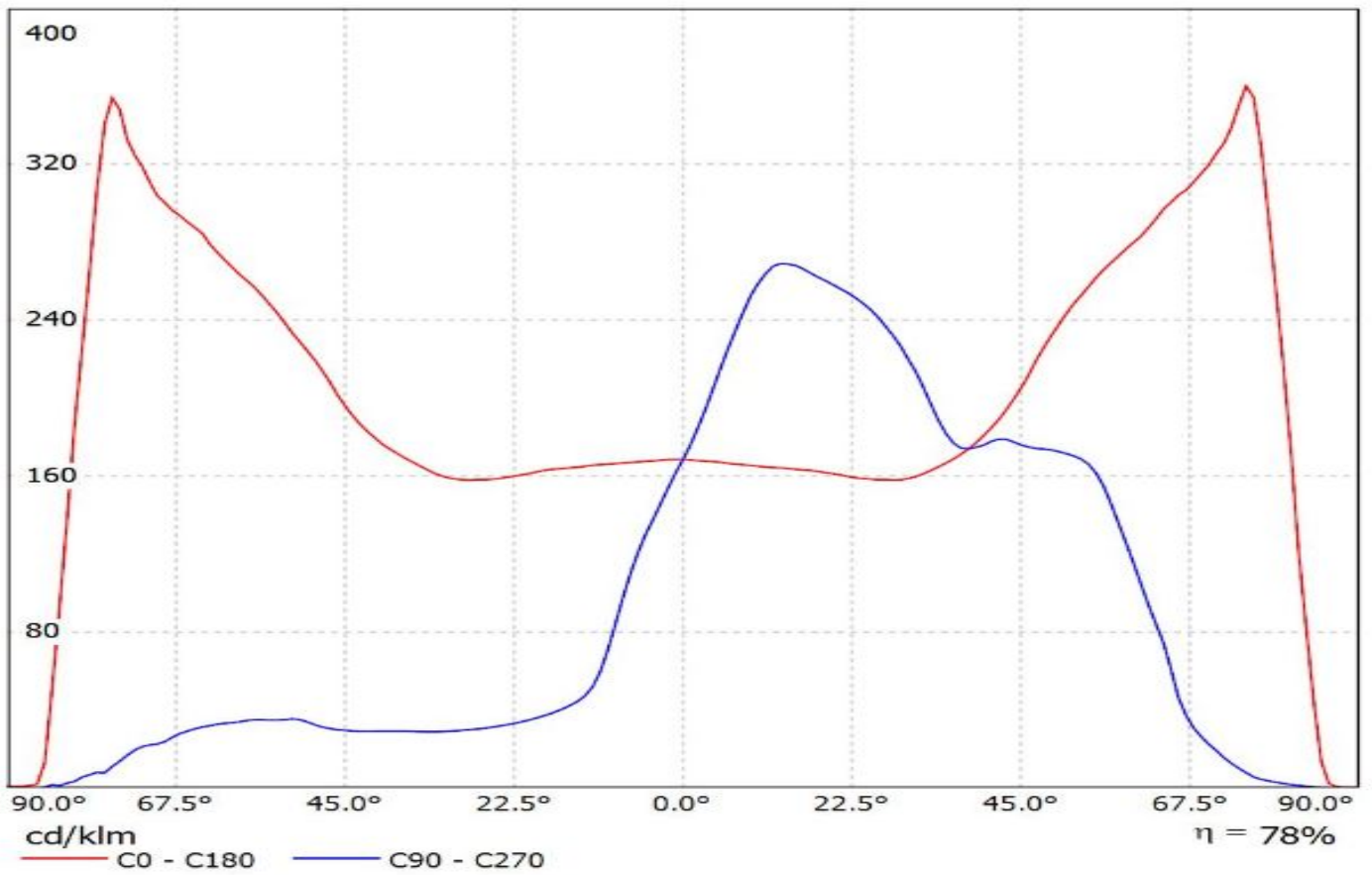
Luminaire: Ledil C15021_STRADA-2X2-SCL_(XP-L)
Lamps: 1 x CREE_XP-L_2x2_(XPLAWT-0-1B0-V40-00-0001)
_508.286lm@250mA_CCT=7600K_P=2.8173W_I=0.25A



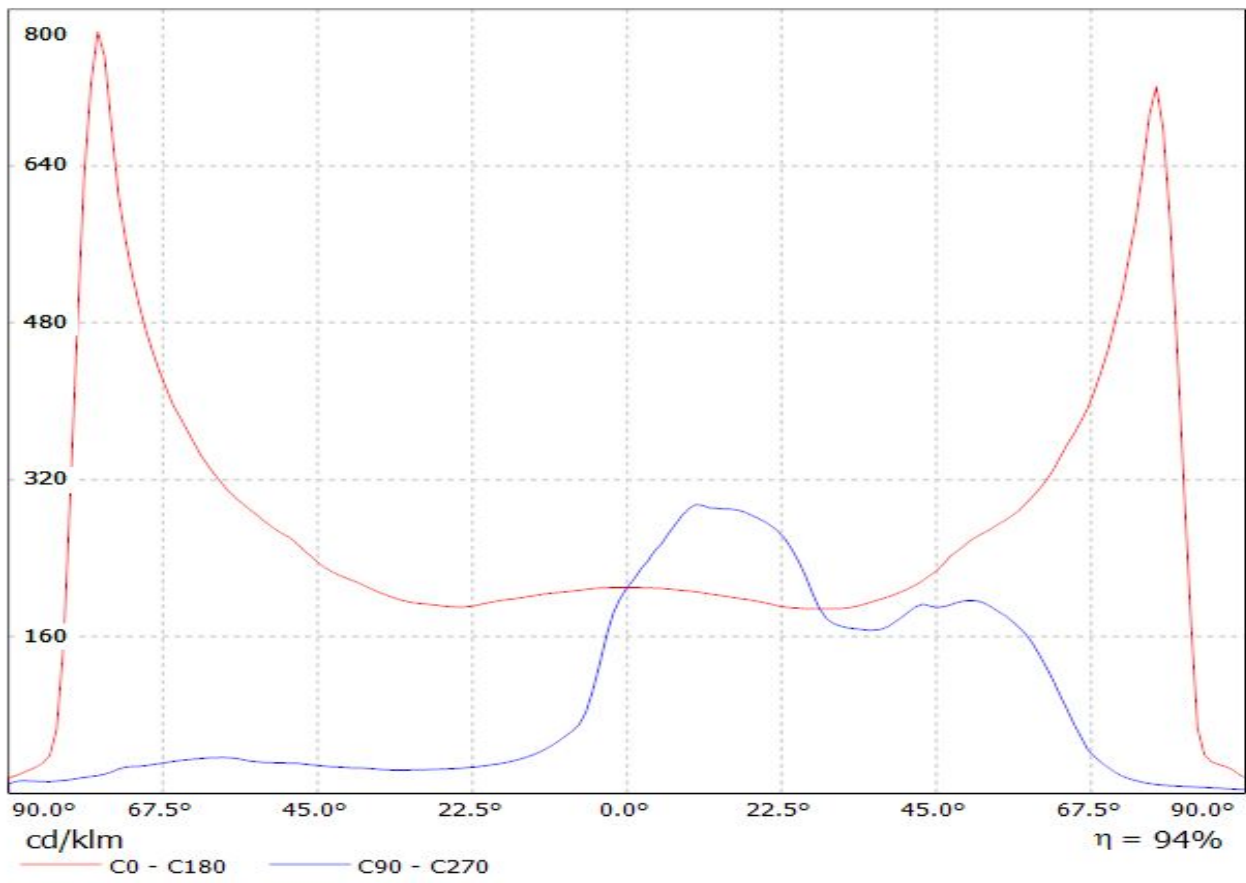
Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Cree_XP-L-HI
Lamps: 1 x



Luminaire: Ledil C15021_STRADA-2X2-SCL (XP-L)_glass
Lamps: 1 x CREE_XP-L_2x2_(XPLAWT-0-1B0-V40-00-0001)
_508.286lm@250mA_CCT=7600K_P=2.8173W_I=0.25A

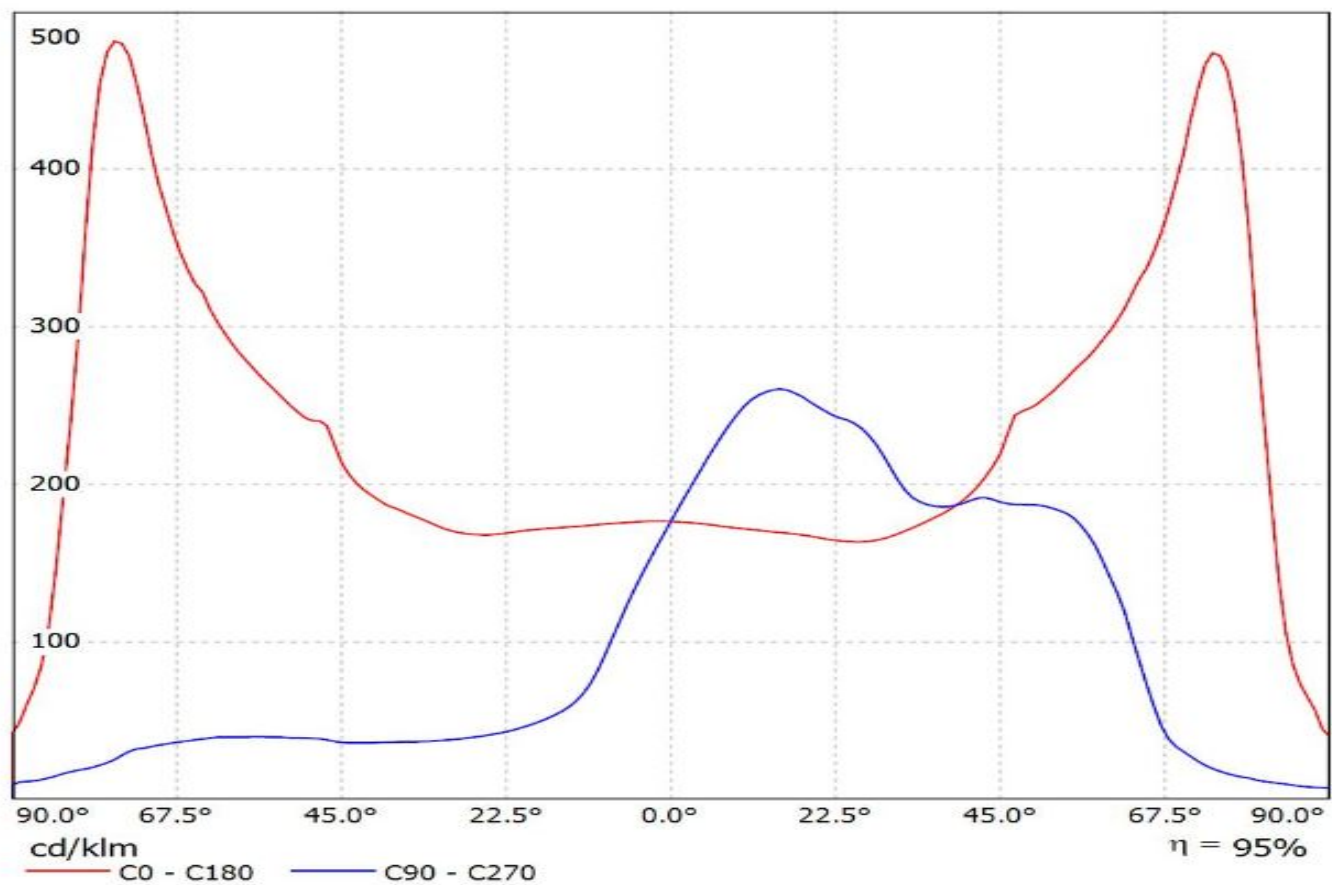


Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(XP-G2)
Lamps: 1 x Cree_XP-G2_(XPGBWT-L1-000-00-G51)_409.845lm@250mA_P=2.94464_I=0.250A

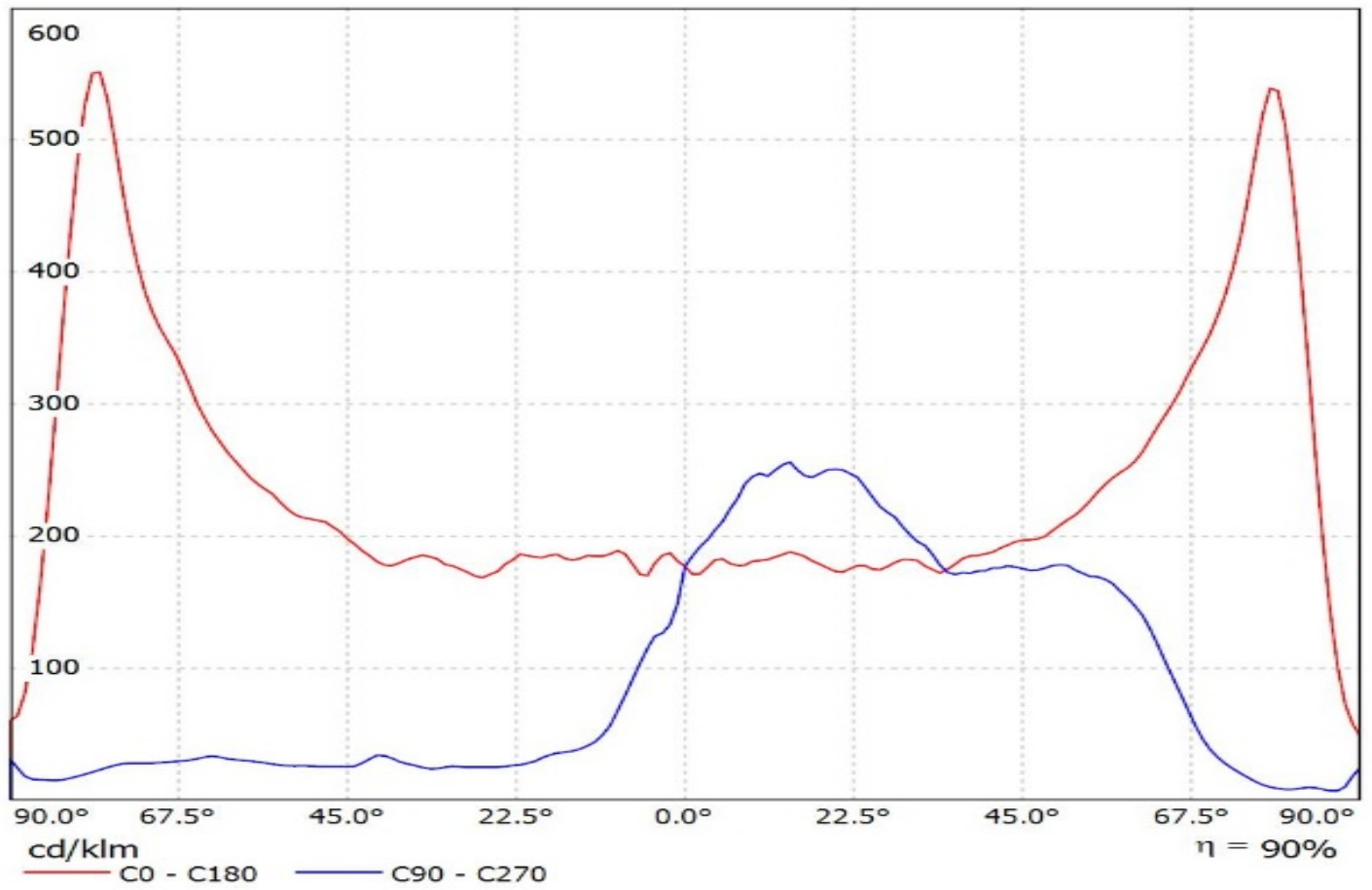


Luminaire: Ledil C15021_STRADA-2X2-SCL_(XP-L2)

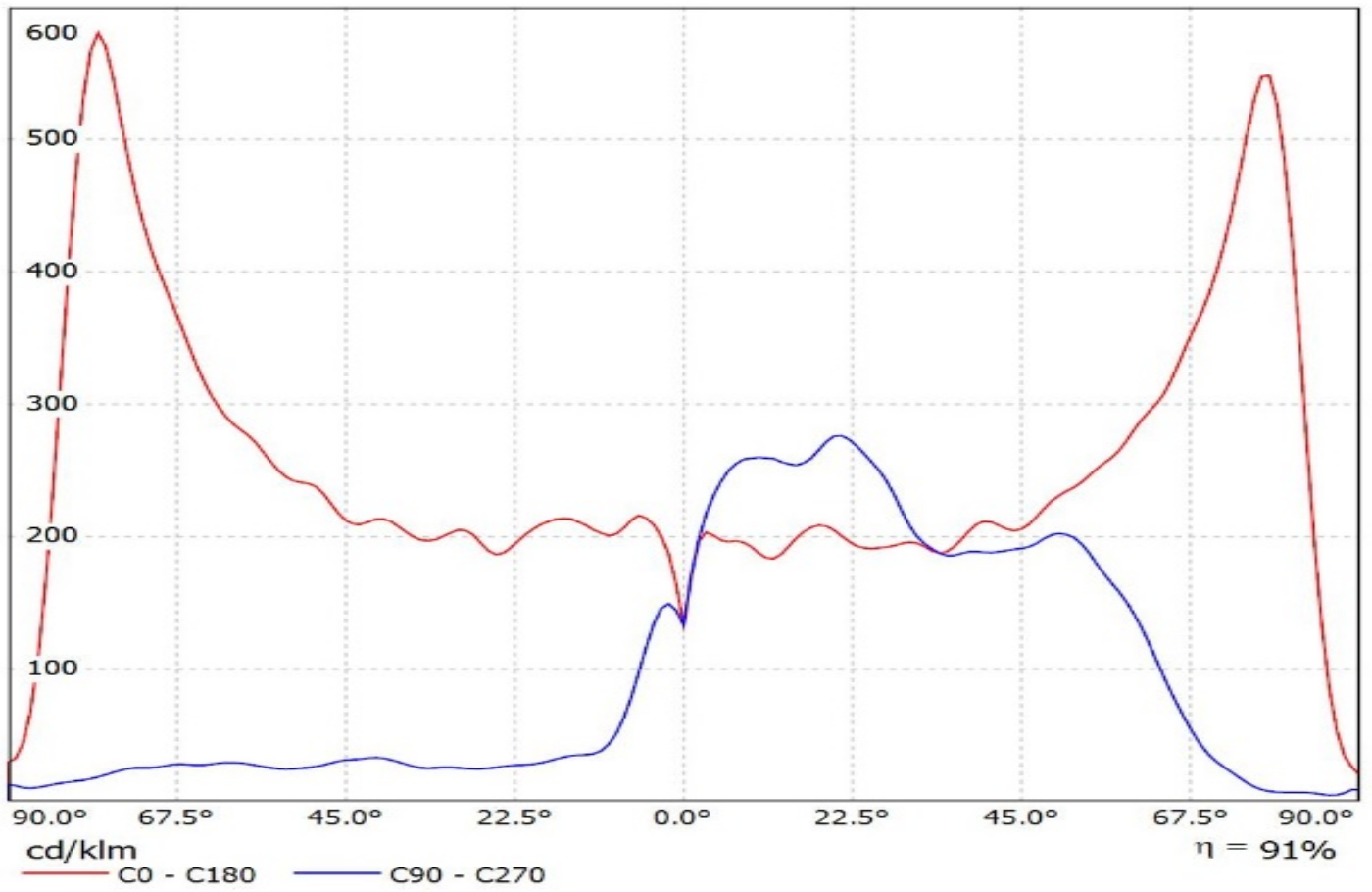
Lamps: 1 x Cree_XP-L2_2x2_(XPLBWT-00-0000-000BV50E3)550.93lm@250mA_P=2.7815W_I=0.25A



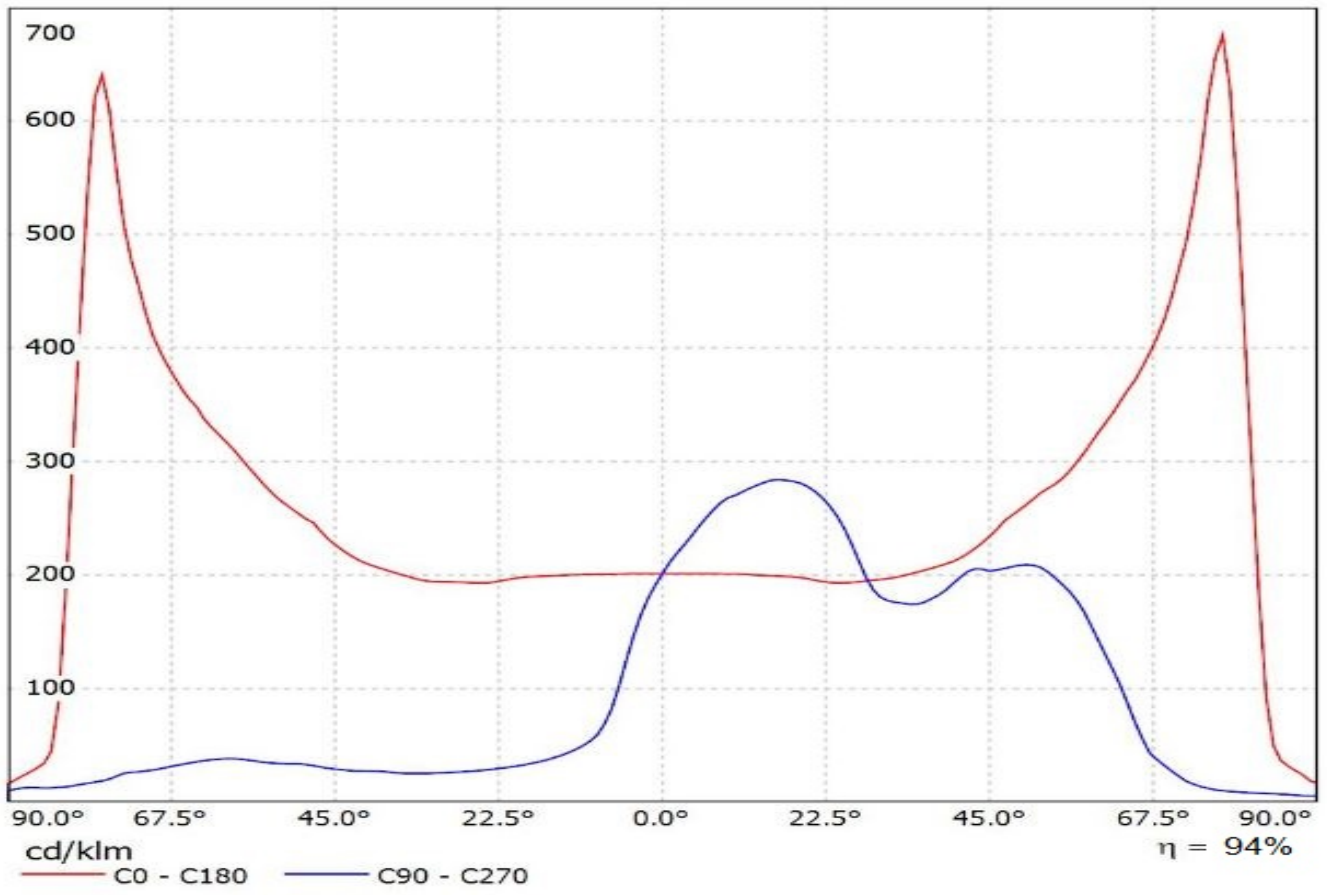
Luminaire: Ledil Oy C15021_STRADA-2X2-SCL_(XP-G3)_SIMULATED
Lamps: 1 x Cree XP-G3



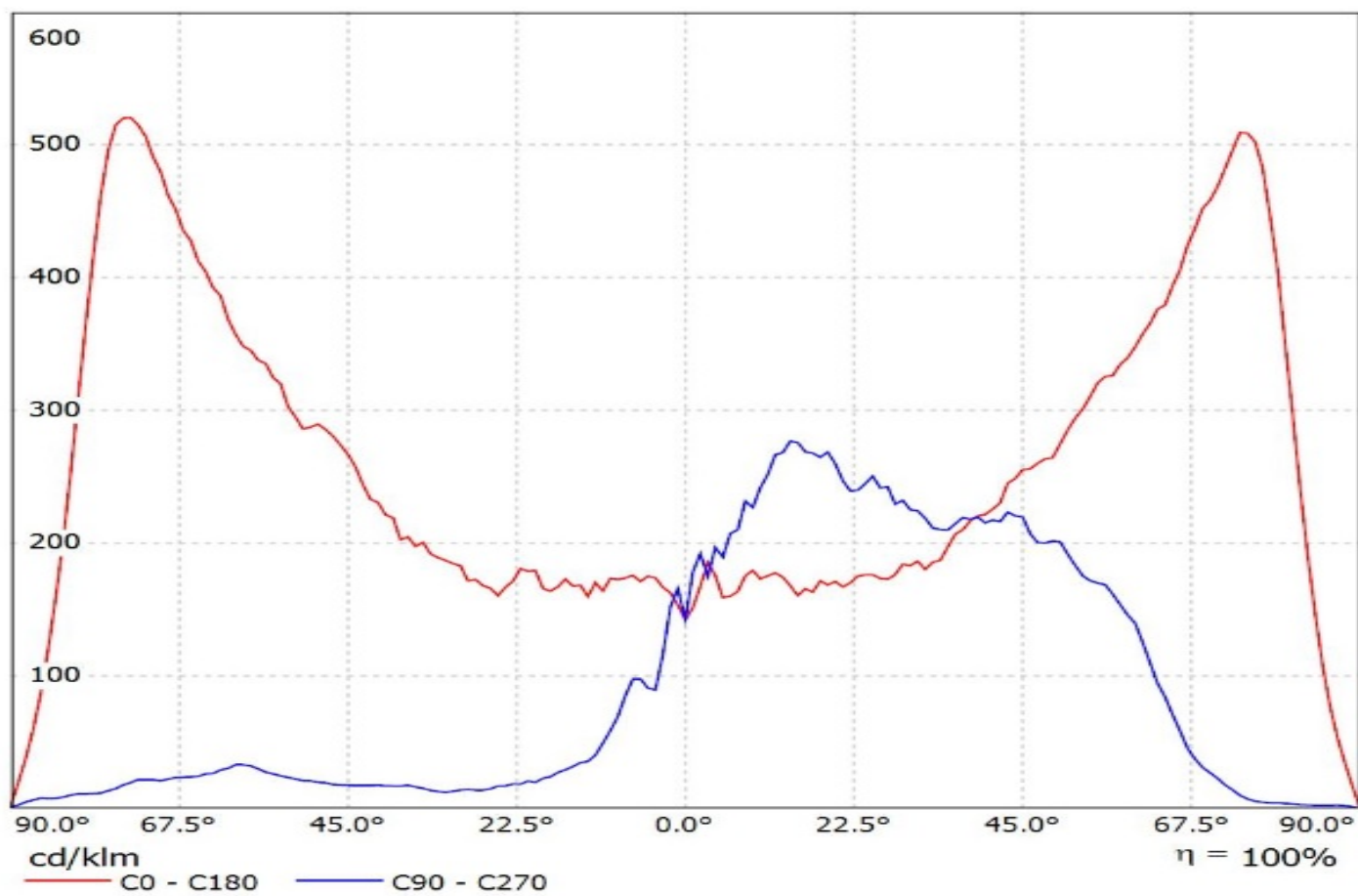
Luminaire: Ledil Oy C15021_STRADA-2X2-SCL_(H35C1)_SIMULATED
Lamps: 1 x LG H35C1 (CCT=5700K)



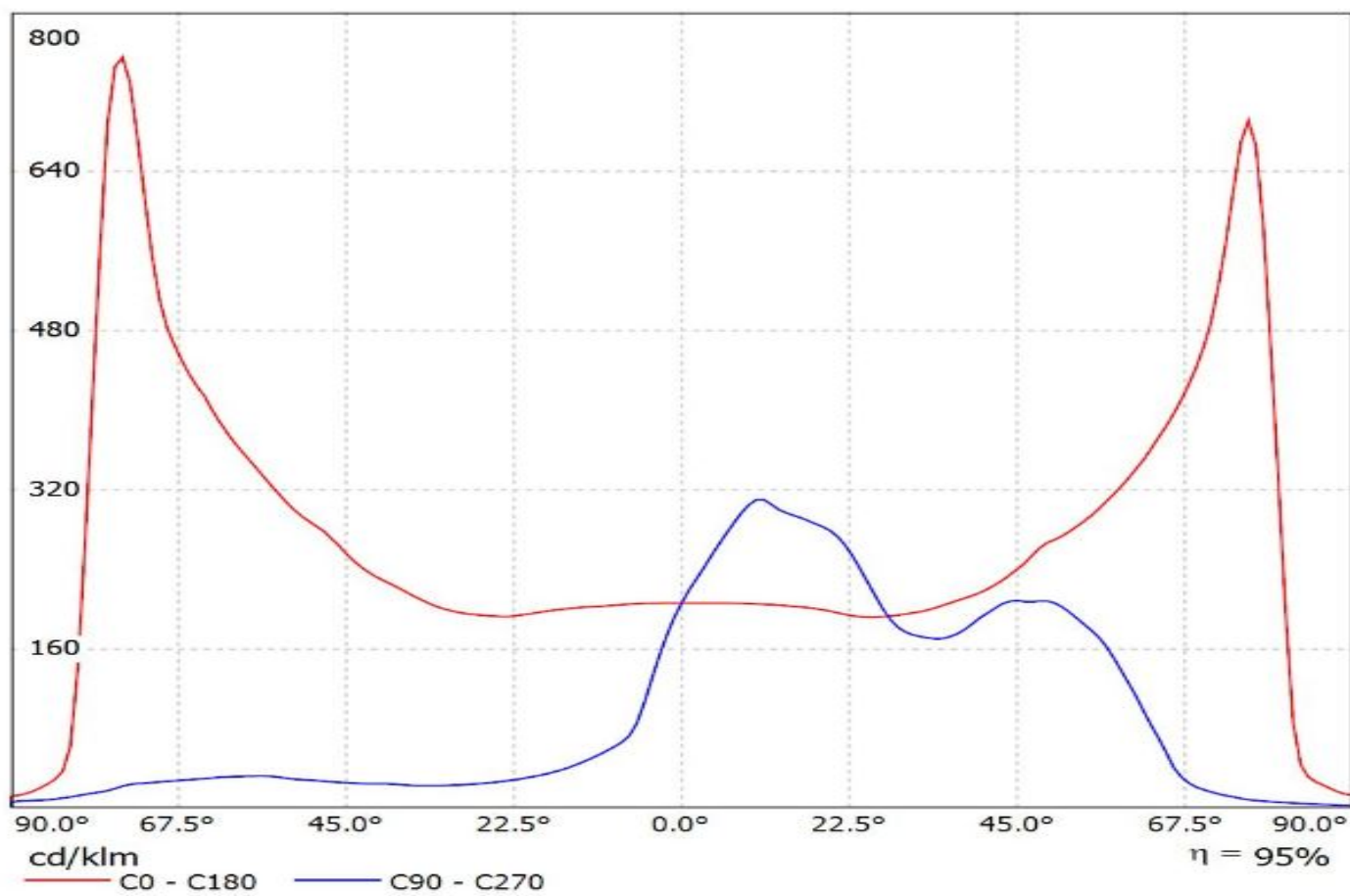
Luminaire: Ledil C15021_STRADA-2X2-SCL_(H35C1)
Lamps: 1 x LG_H35C1_2x2_477.216lm@250mA_P=2.87475W_I=0.250A



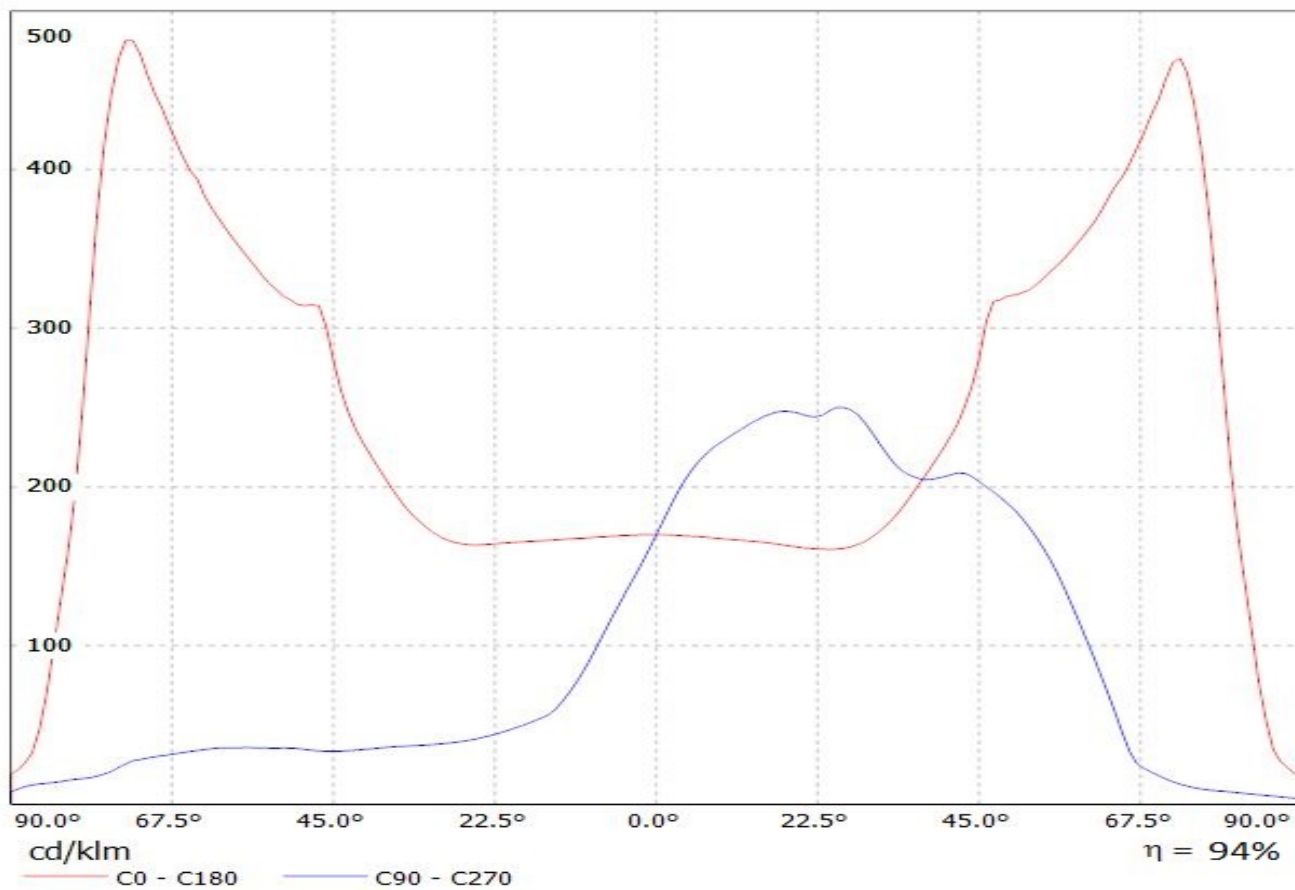
Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Luxeon-5258
Lamps: 1 x



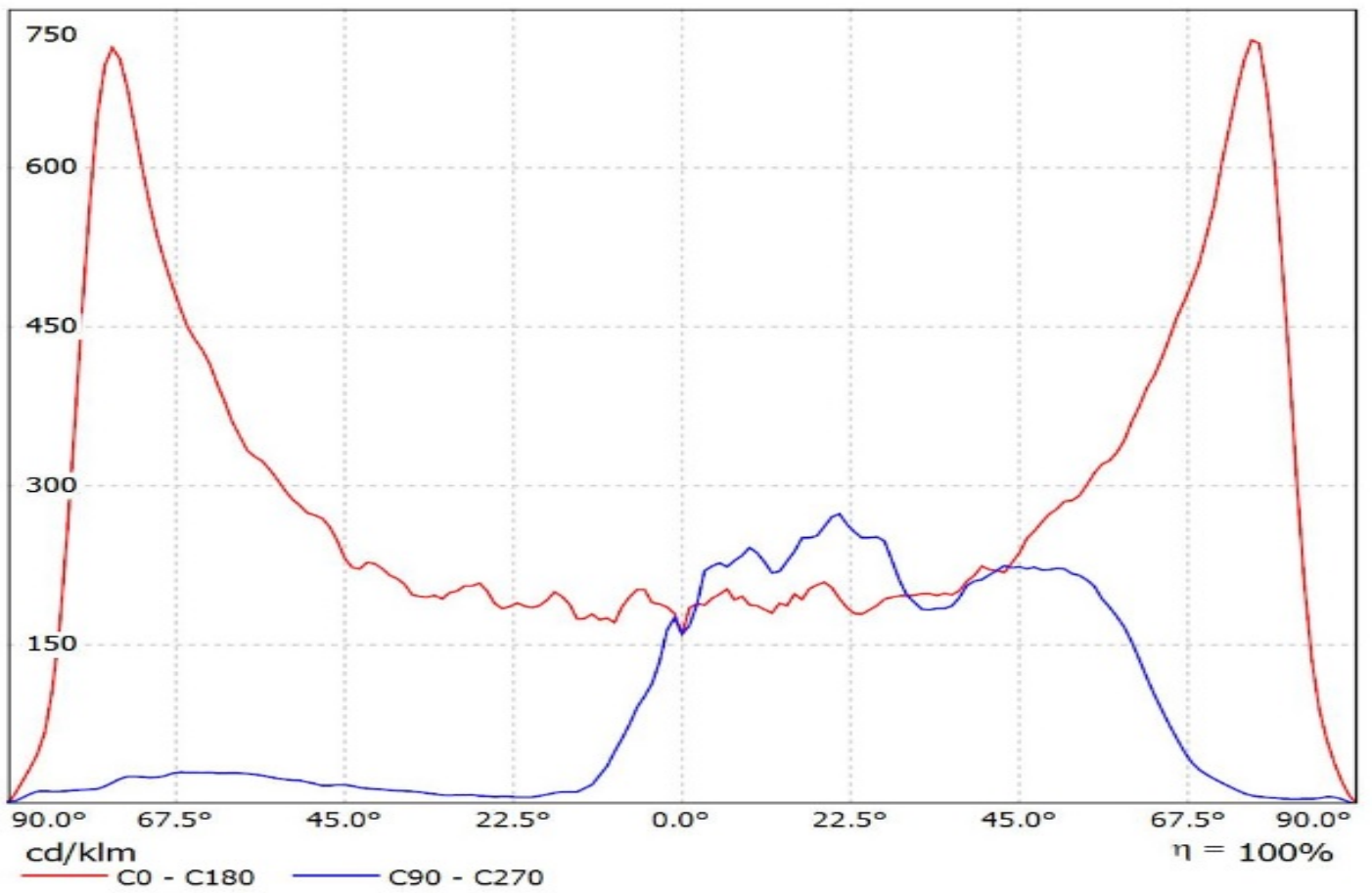
Luminaire: Ledil C15021_STRADA-2X2-SCL_(Luxeon_TX)
Lamps: 1 x Luxeon_TX_(L1T2-3585)_Im@250mA_P=W_I=0.250A



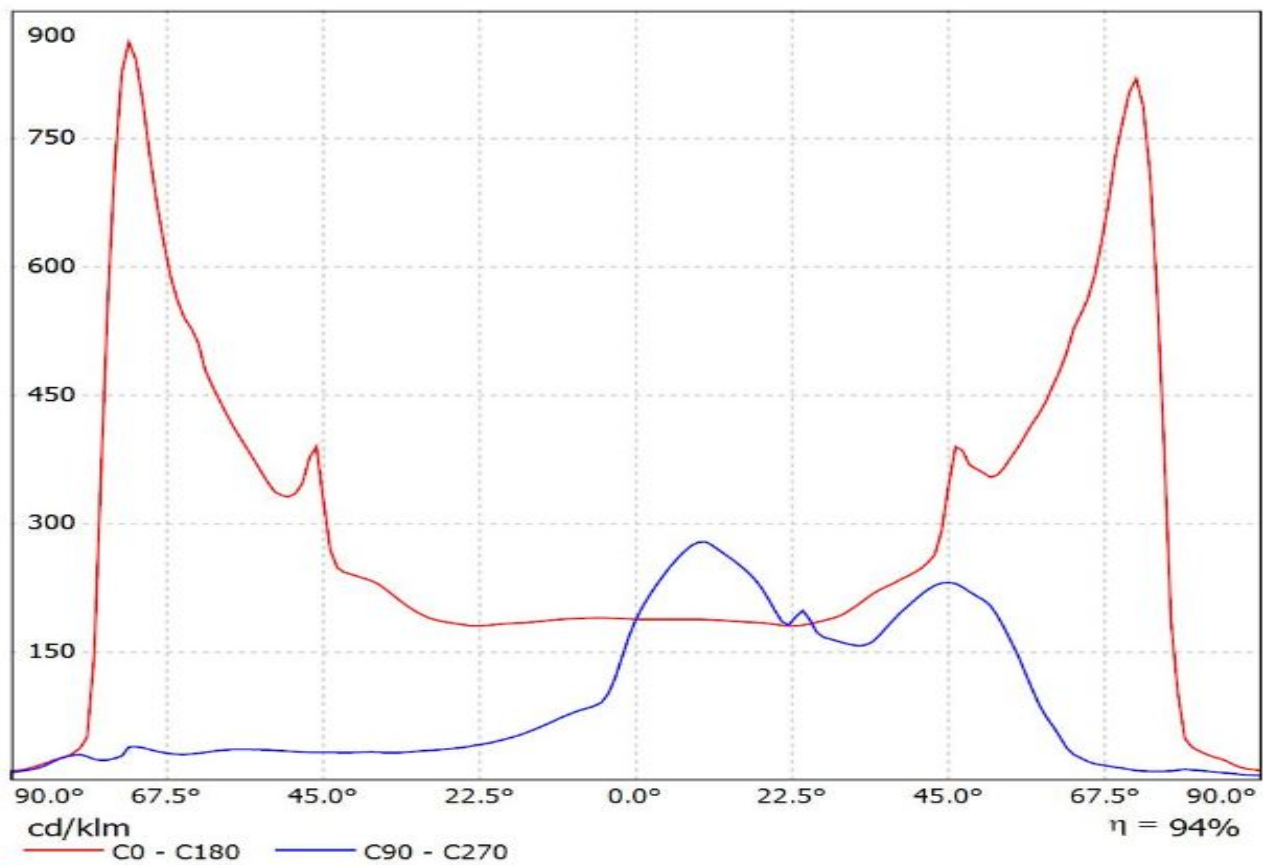
Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(Luxeon_5050)
Lamps: 1 x Luxeon_5050_2x2_1270.76lm@80mA_CCT=5700K_P=7.35815W_I=0.080A_70CRI



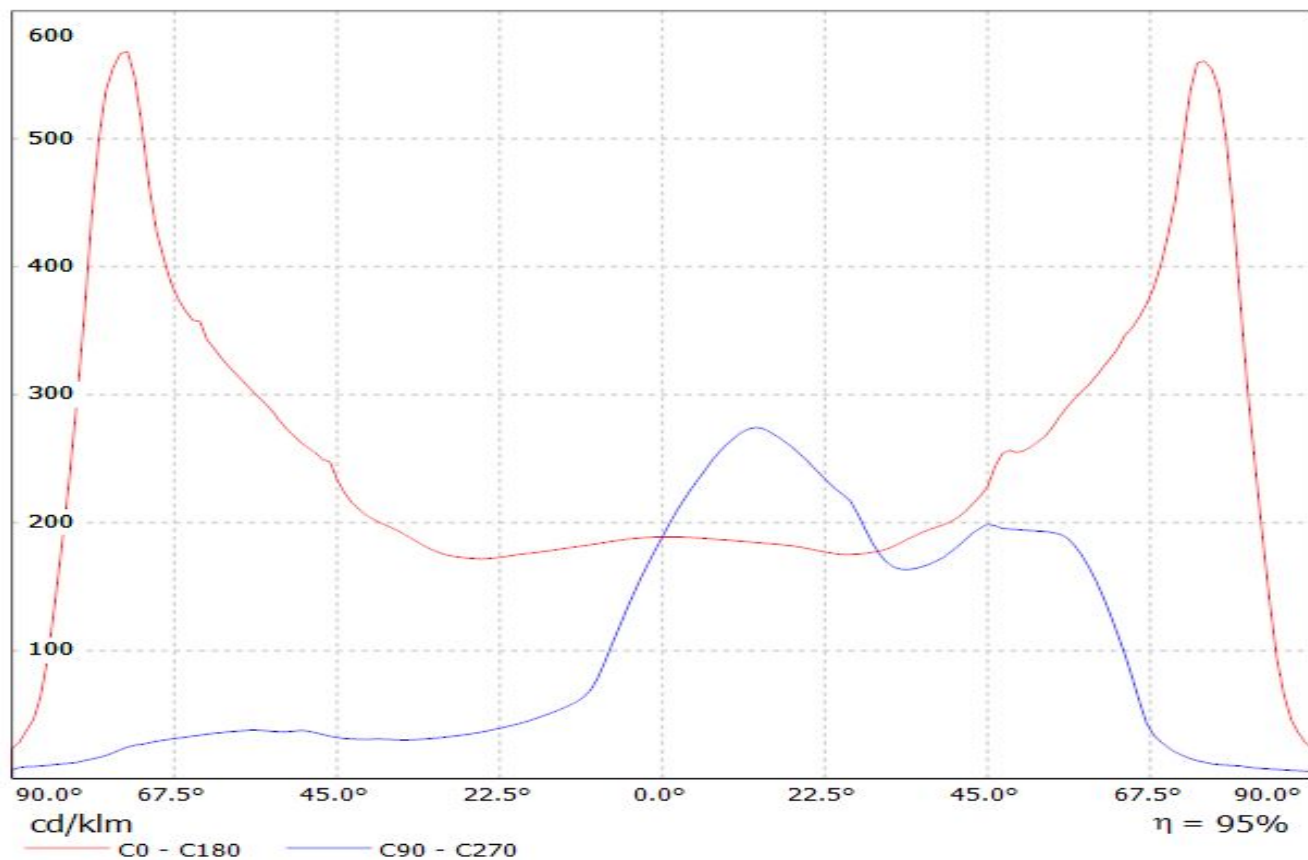
Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Nichia_NV5xx19C
Lamps: 1 x



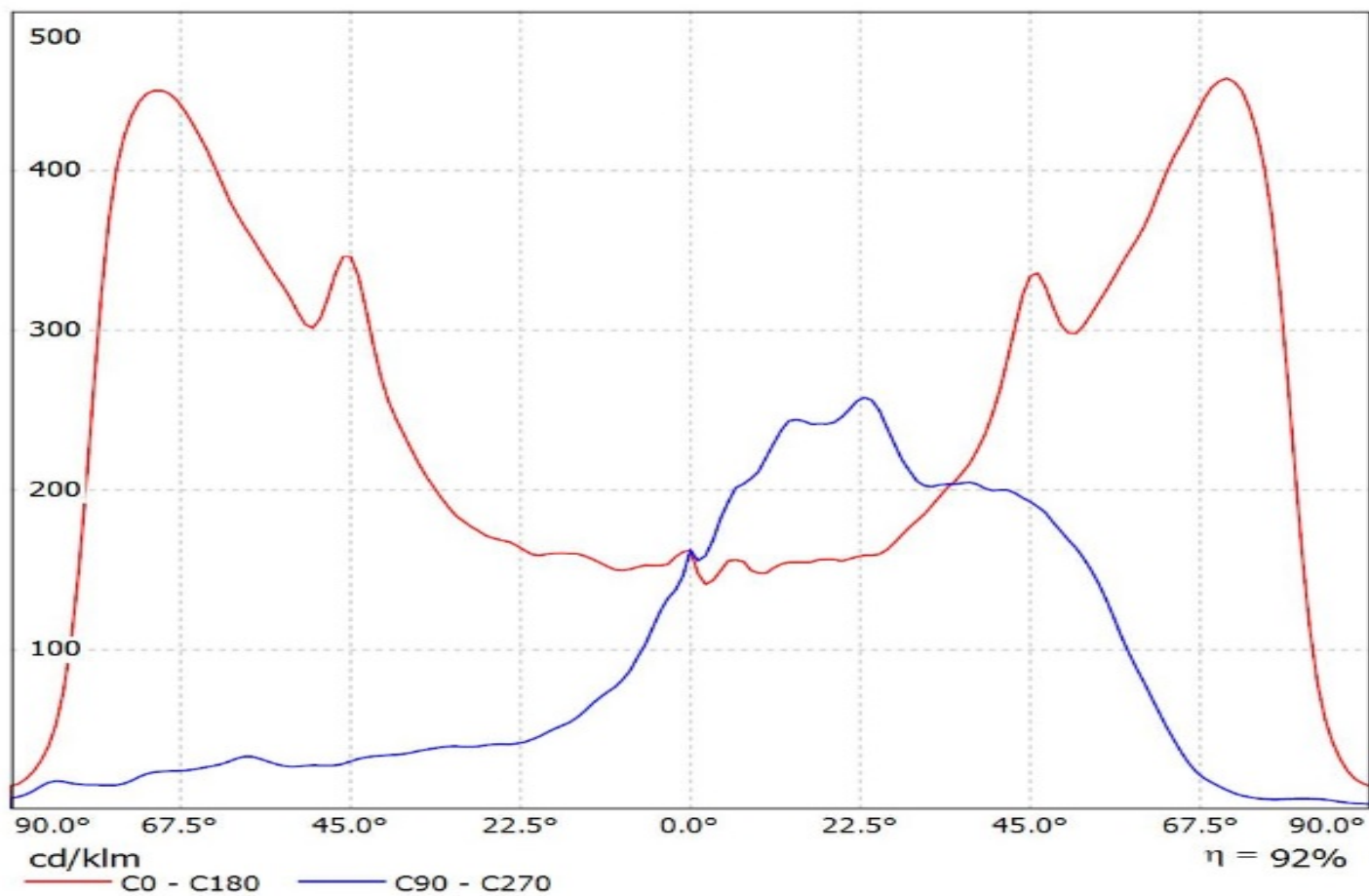
Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(E21A)
Lamps: 1 x Nichia_E21A_452.248lm@250mA_2.805W_I=0.250A



Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(NVSW319AE)
Lamps: 1 x Nichia_NVSW319AE_499.093lm@250mA_P=2.79052W_I=0.25A

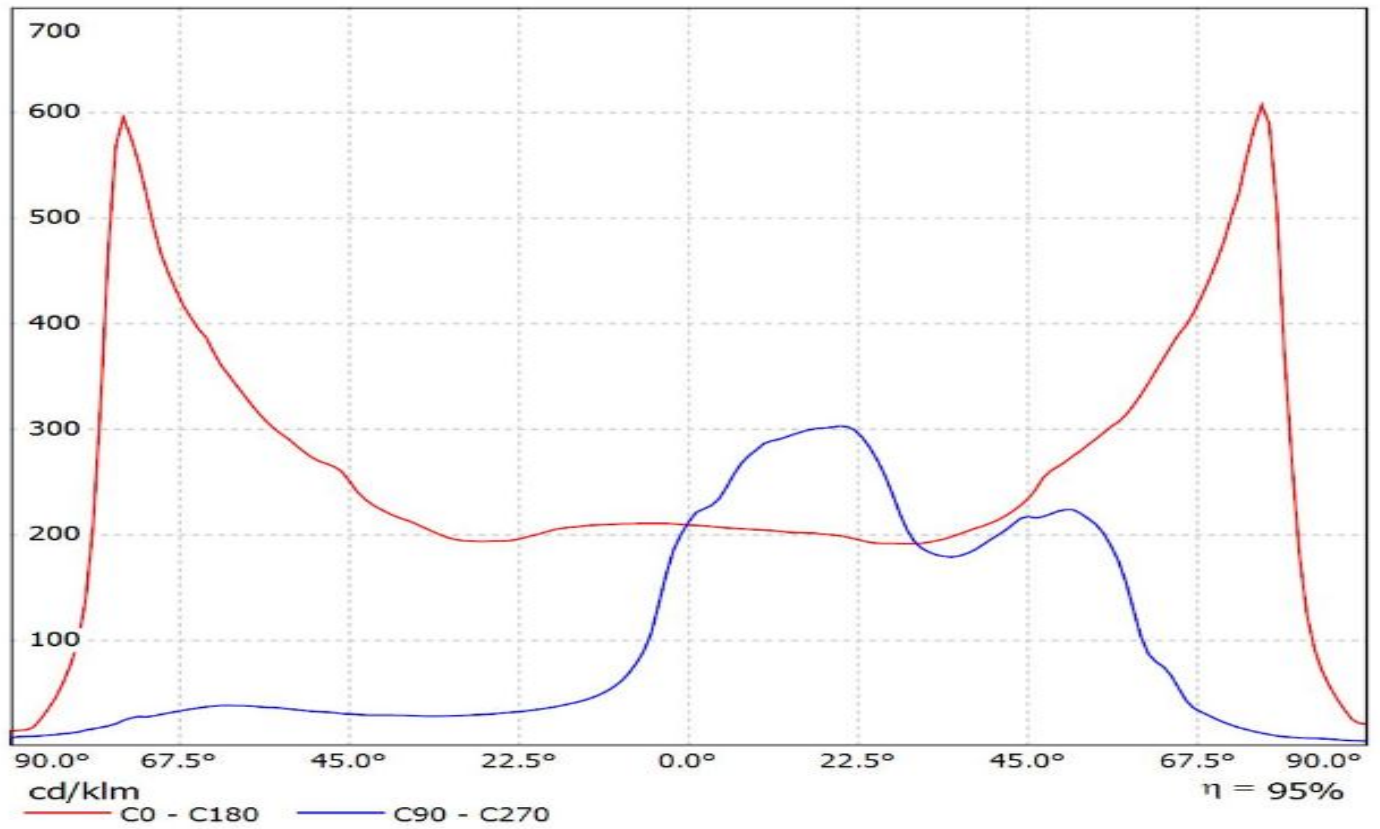


Luminaire: Ledil Oy C15021_STRADA-2X2-SCL_(Duris_S8)_SIMULATED
Lamps: 1 x Osram Duris S8 (GW P9LM21.EM)



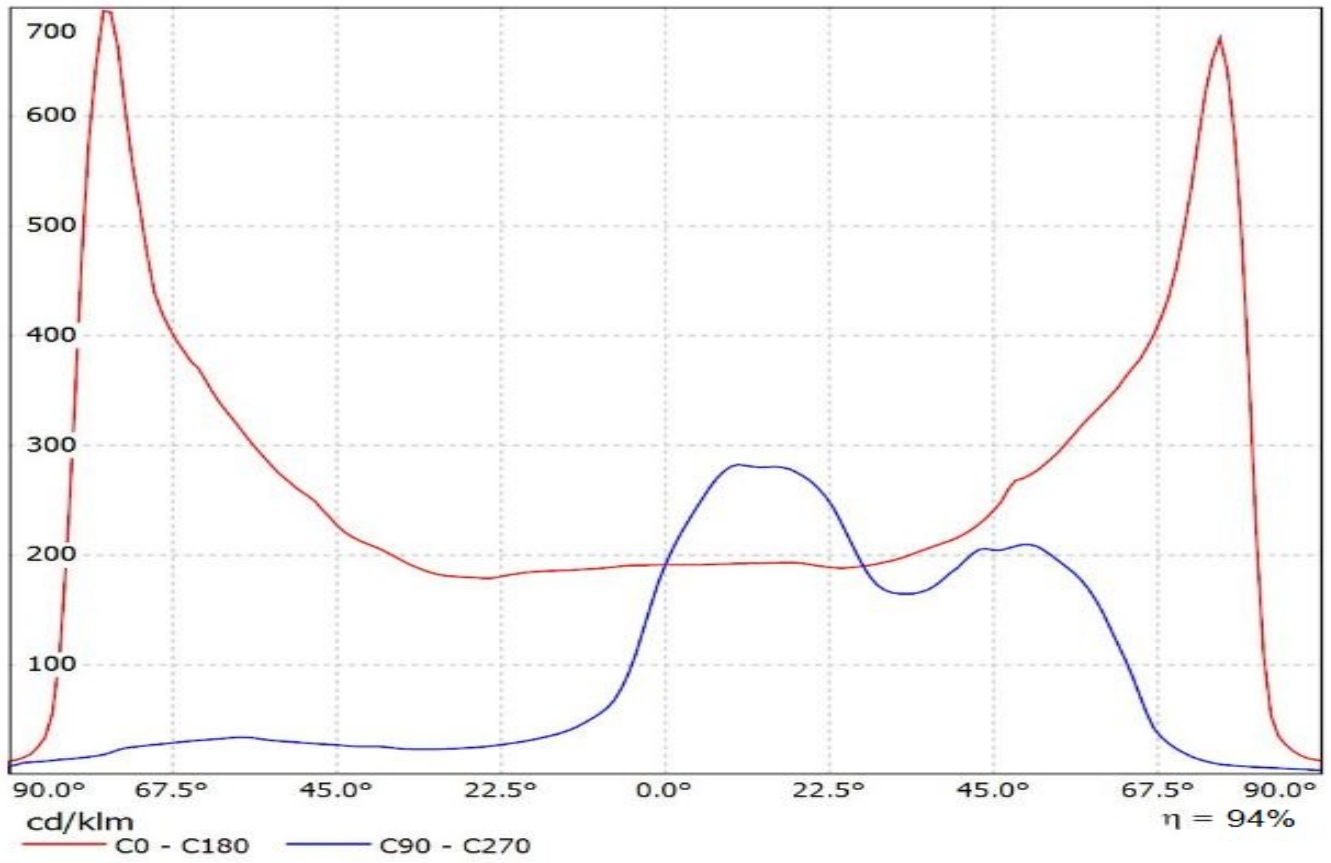
Ledil C15021_STRADA-2X2-SCL_(SQ-PC) / LDC (Linear)

Luminaire: Ledil C15021_STRADA-2X2-SCL_(SQ-PC)
Lamps: 1 x Osram_Oslon_Square-PC_2x2_(GW_CSSRM1.PC)
_421.516lm@250mA_CCT=5201K_P=2.8653W_I=0.25A

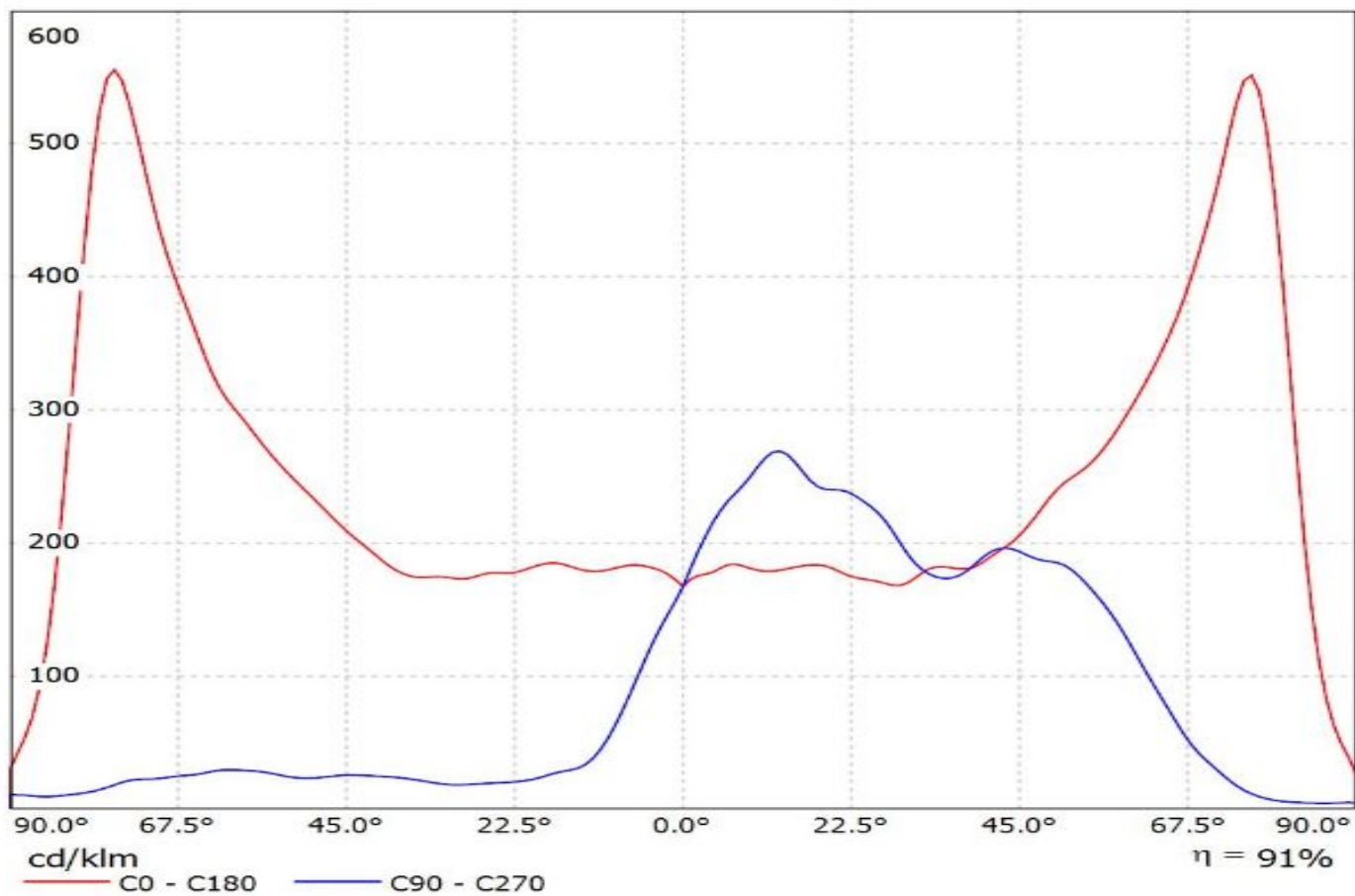


Luminaire: Ledil C15021_STRADA-2X2-SCL (Square_Gen3)

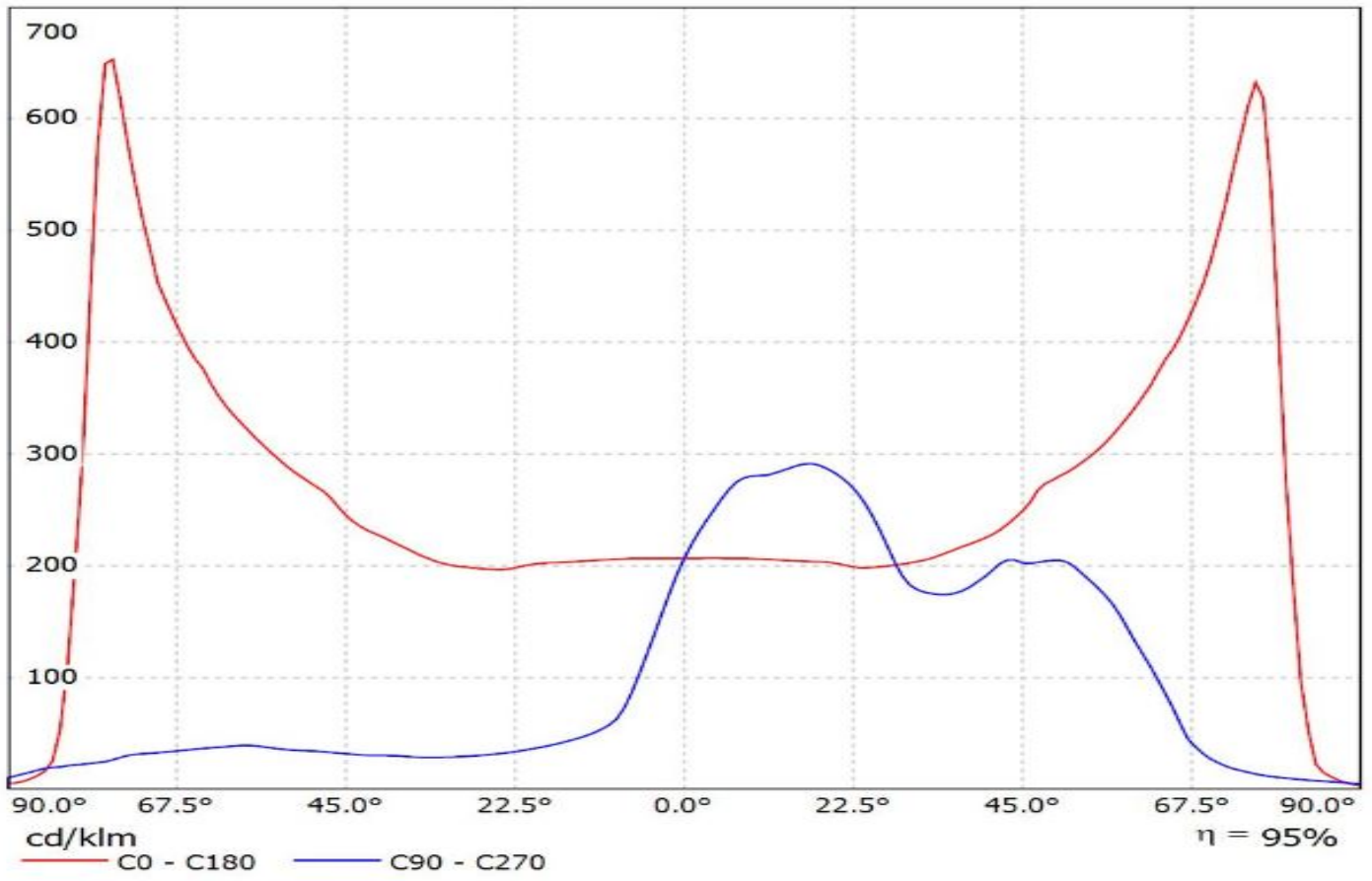
Lamps: 1 x Osram_Square_Gen3 (GW_CSSRM2.PM)_461.082lm@250mA_P=2.79075W_I=0.250A



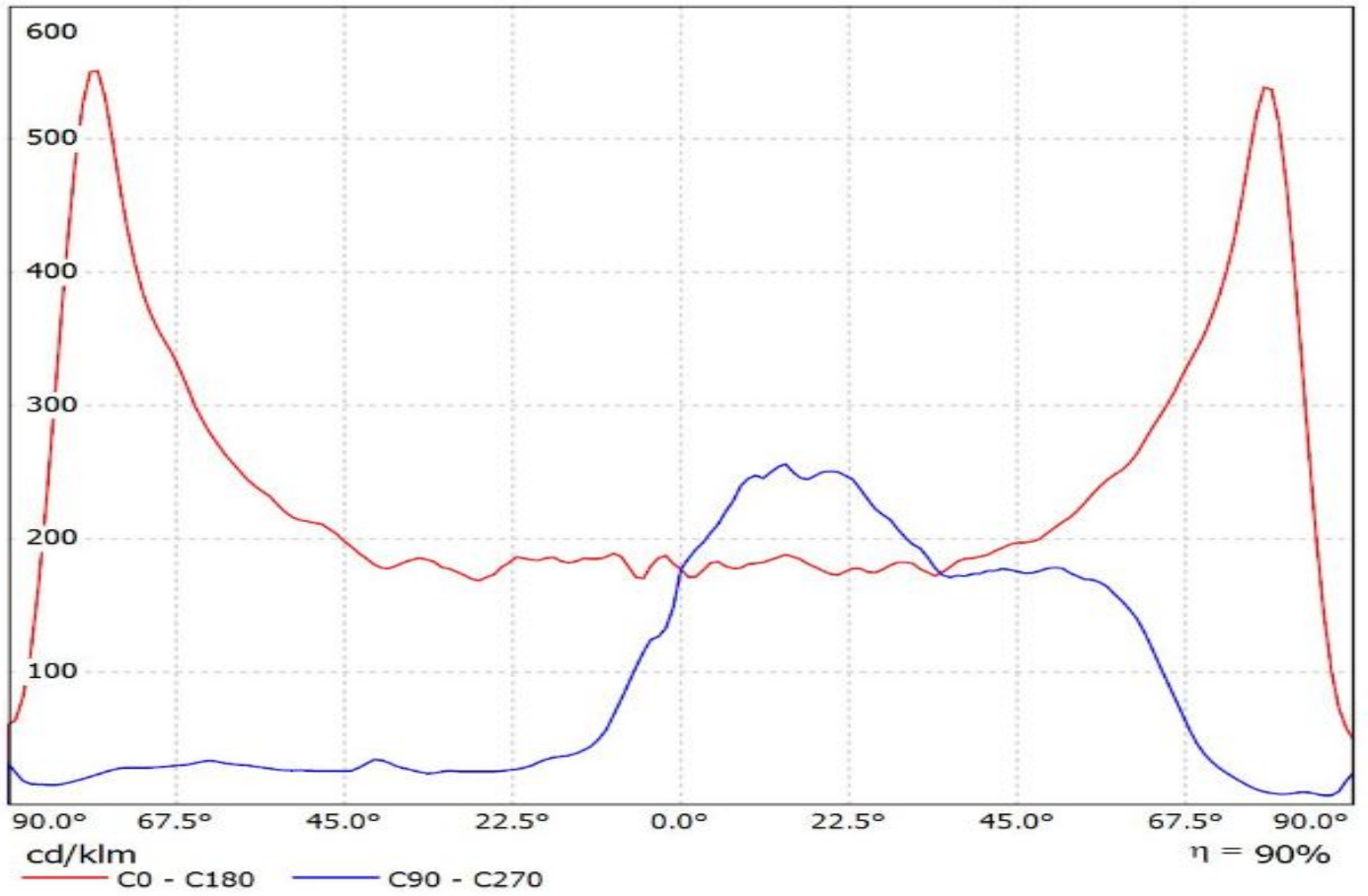
Luminaire: Ledil Oy C15021_STRADA-2X2-SCL_OSRAM_DURIS_P9_SIMULATED
Lamps: 1 x OSRAM DURIS P9



Luminaire: Ledil C15021_STRADA-2X2-SCL_(Fortimo_FastFlex_LED_board_2x8/740_DA_G3)
Lamps: 1 x Fortimo_FastFlex_LED_board_2x8/740_DA_G3_1828.23lm@250mA_P=11.667W_I=0.25A

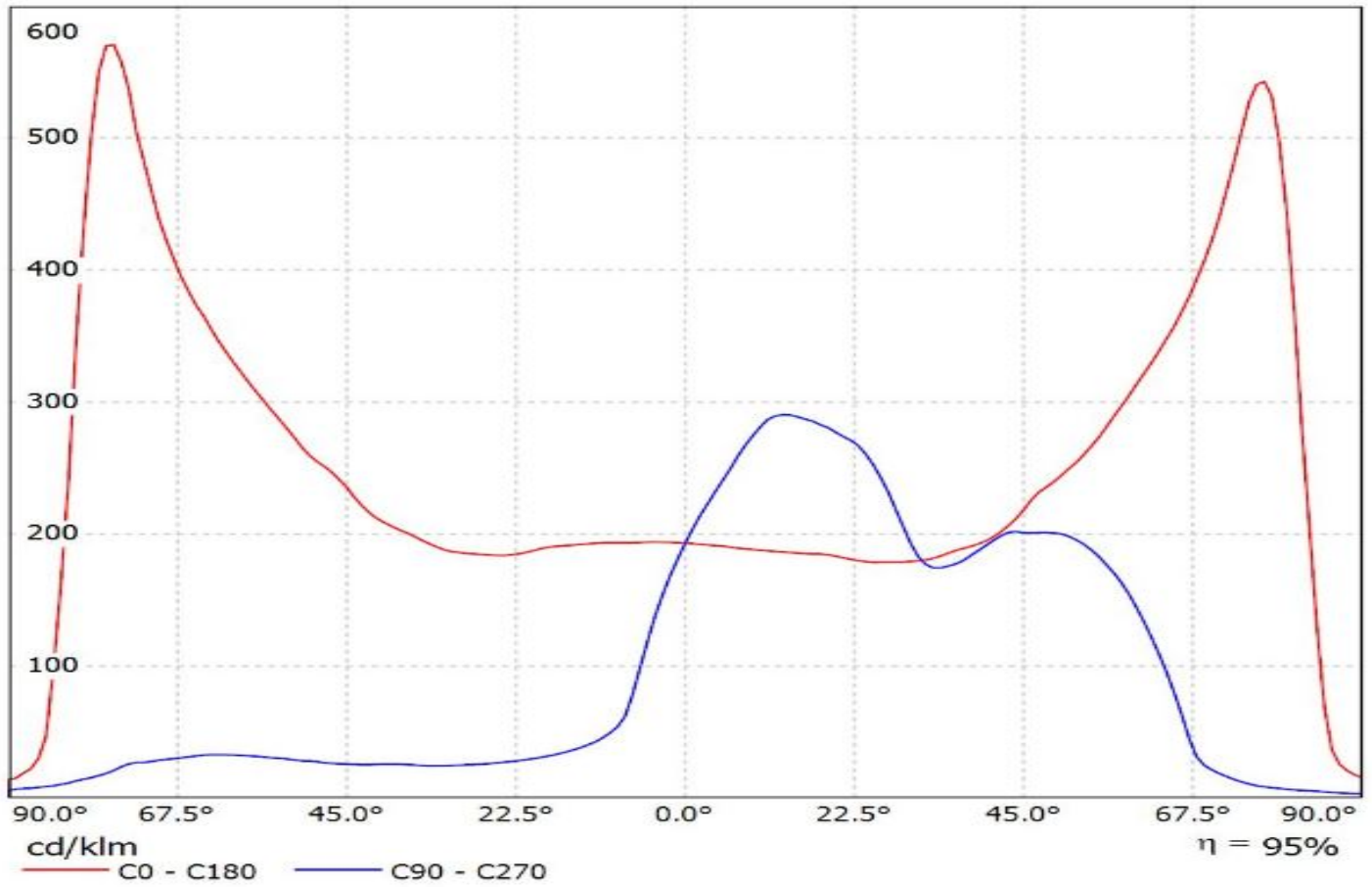


Luminaire: Ledil Oy C15021_STRADA-2X2-SCL_Fortimo FastFlex LED board 2x8 DAX G4_SIMULATED
Lamps: 1 x Fortimo FastFlex LED board 2x8 DAX G4

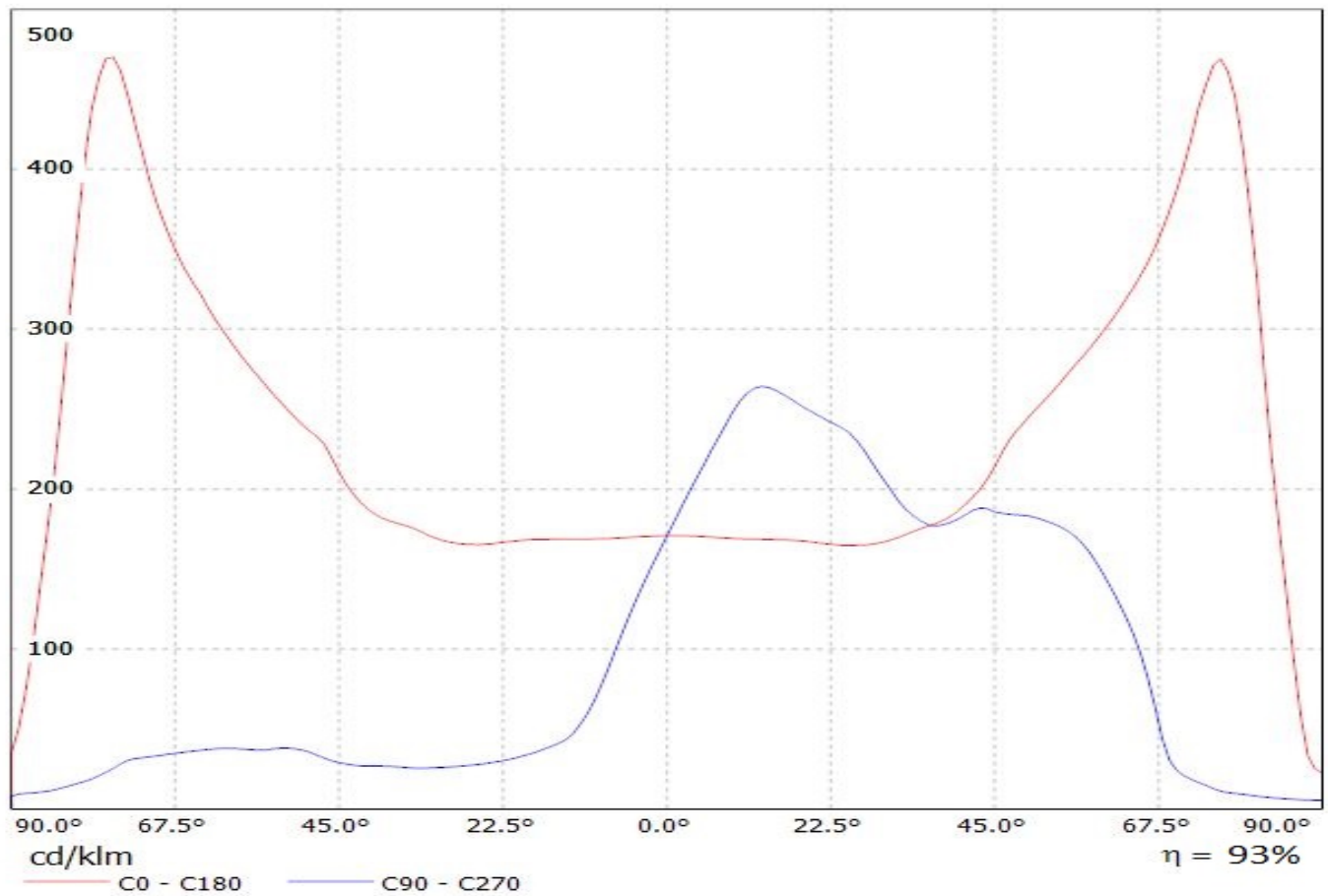


Luminaire: Ledil C15021_STRADA-2X2-SCL (LH351B)

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

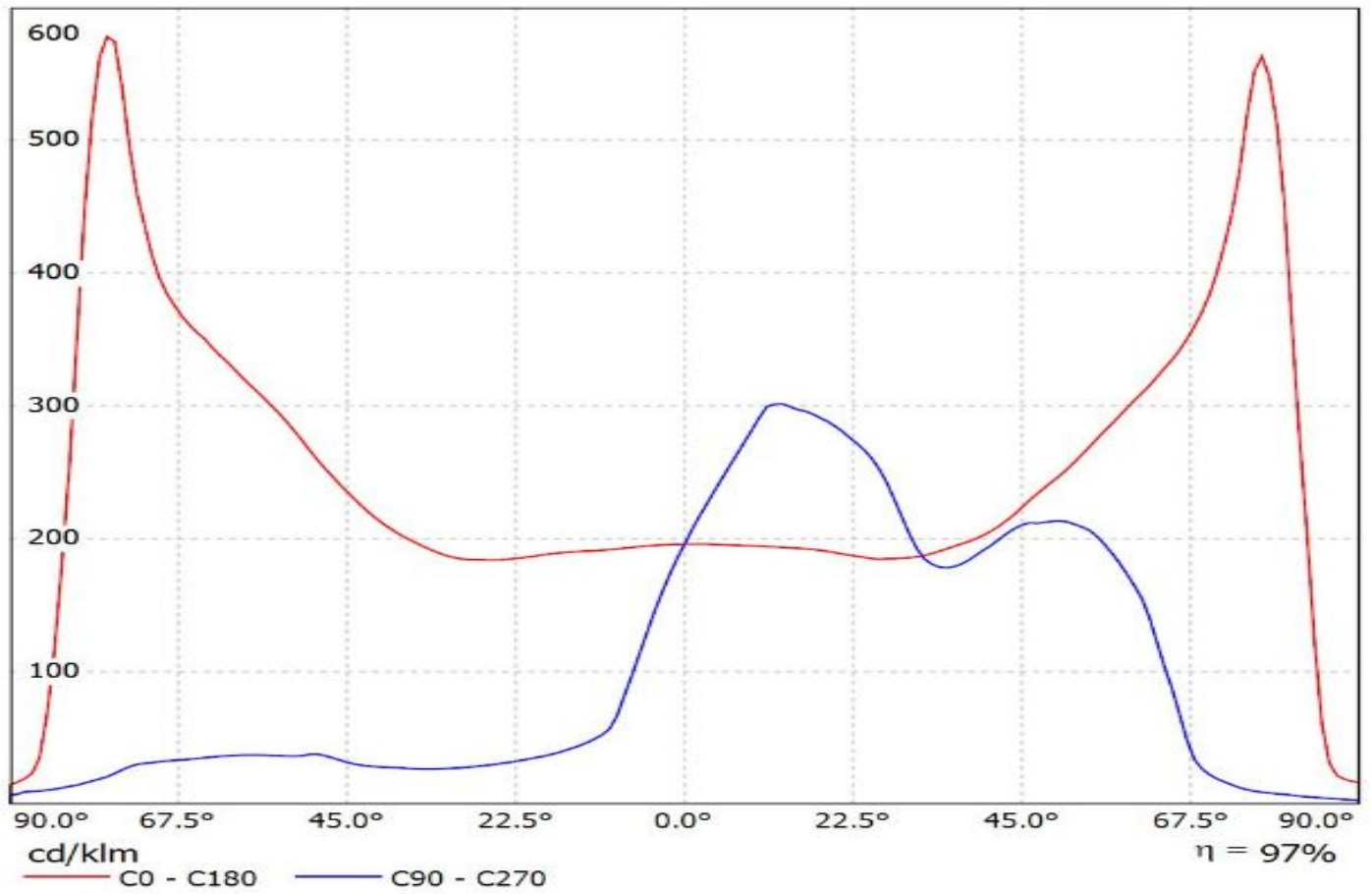


Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(LH351D)
Lamps: 1 x Samsung_LH351D_524.264lm@250mA_P=2.7523W_I=0.250A



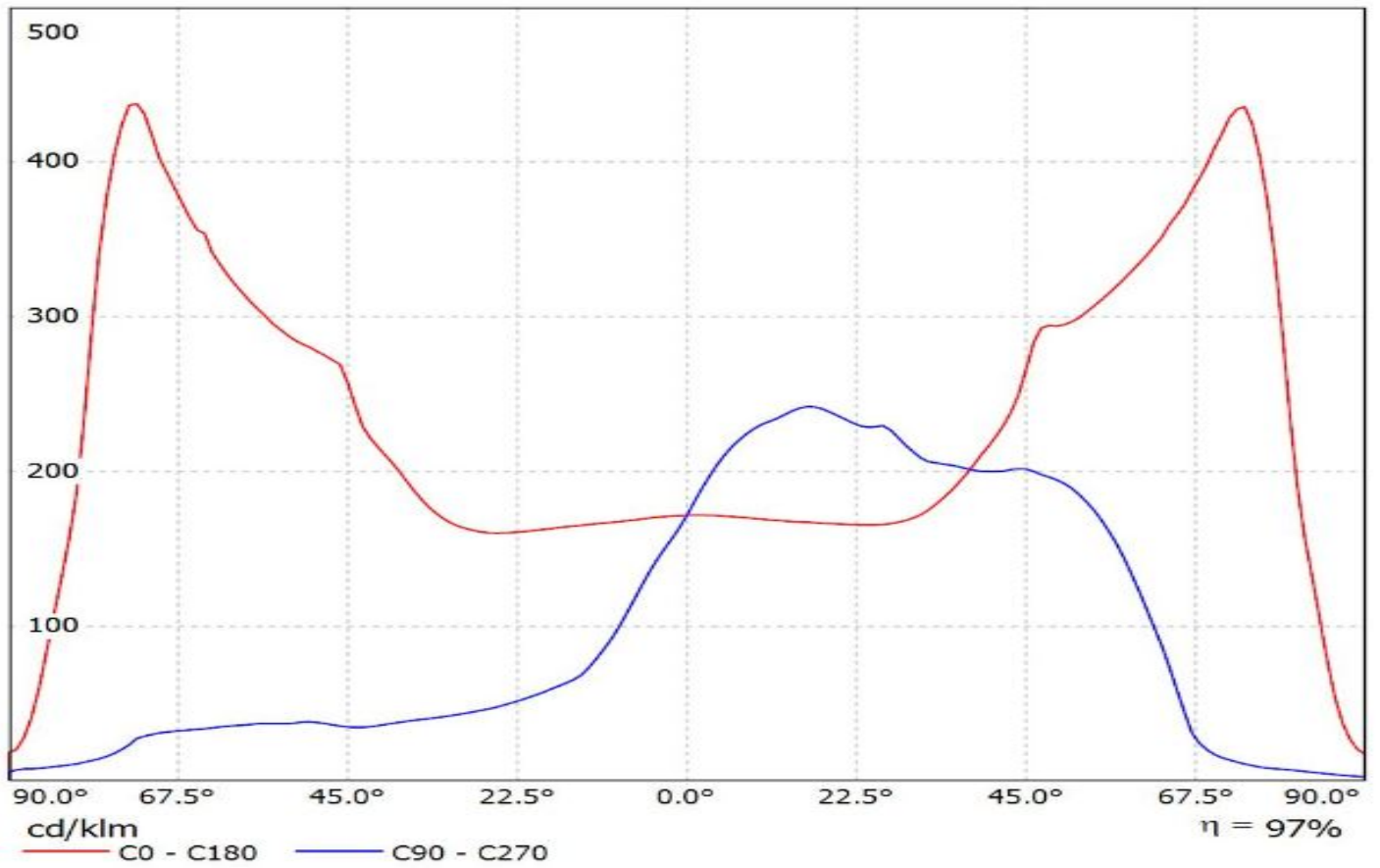
Luminaire: Ledil C15021_STRADA-2X2-SCL_(LH351C)

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

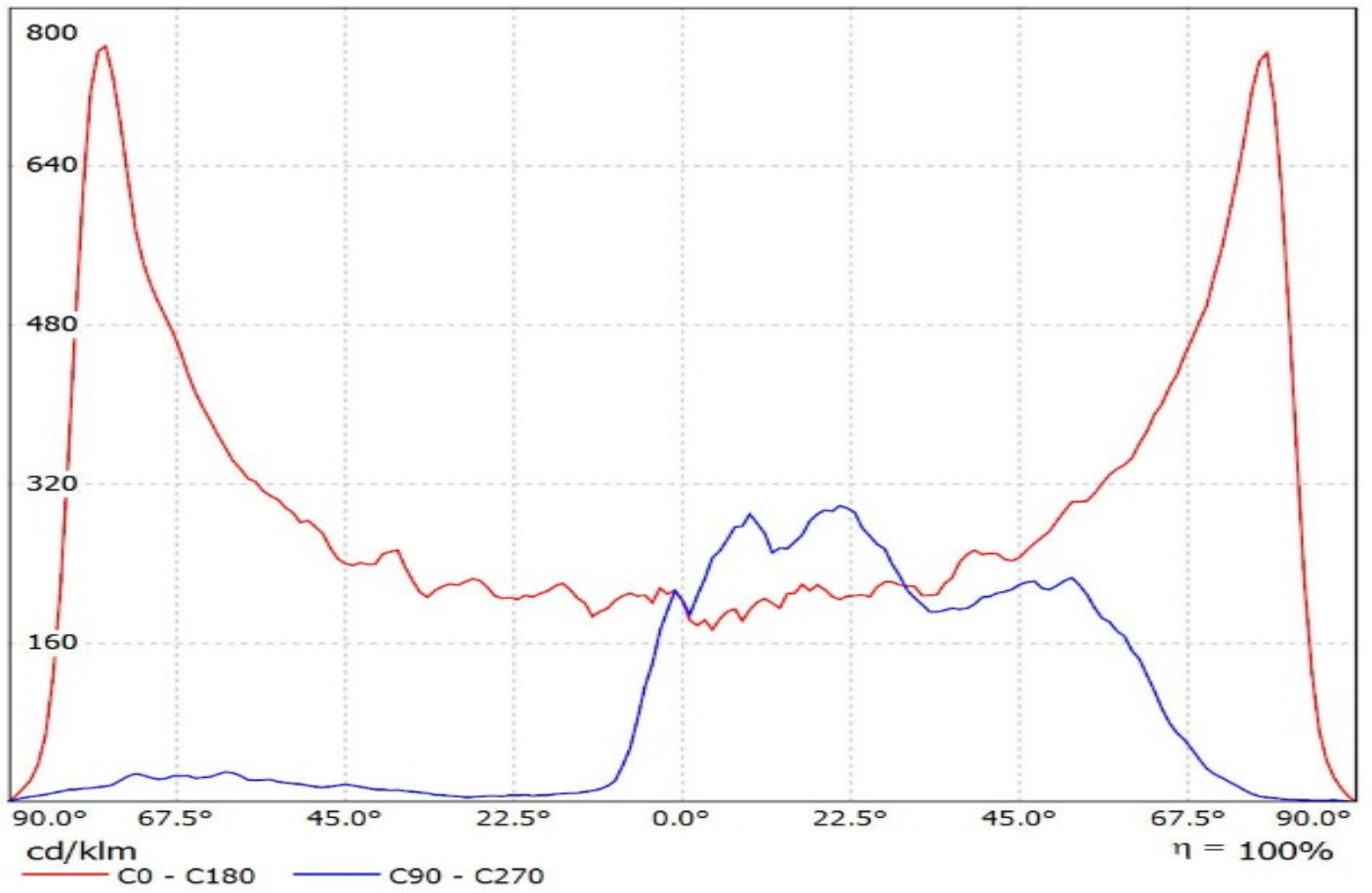


Luminaire: Ledil C15021_STRADA-2X2-SCL_(LH508A)

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

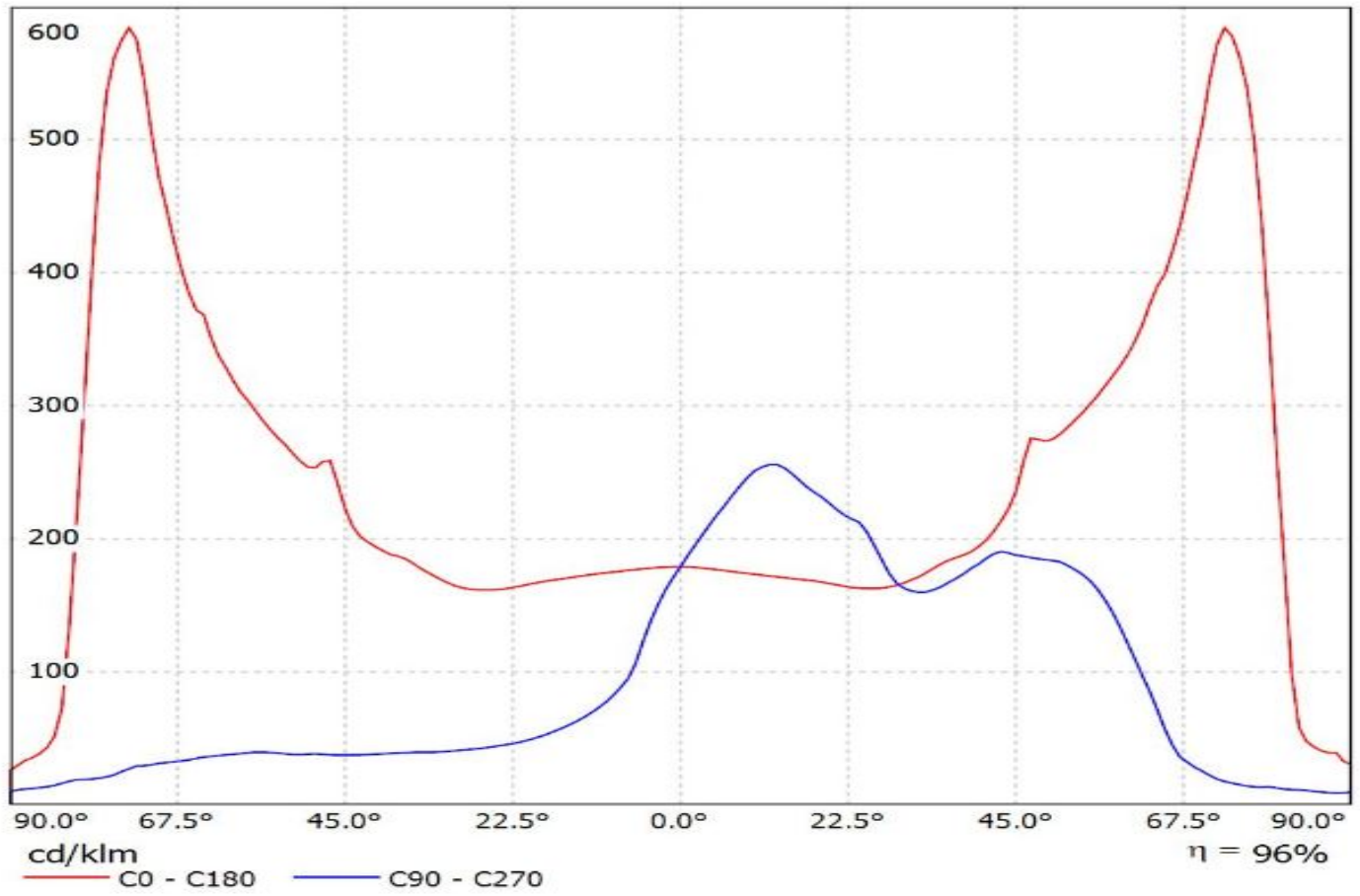


Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Seoul_Z5M2
Lamps: 1 x

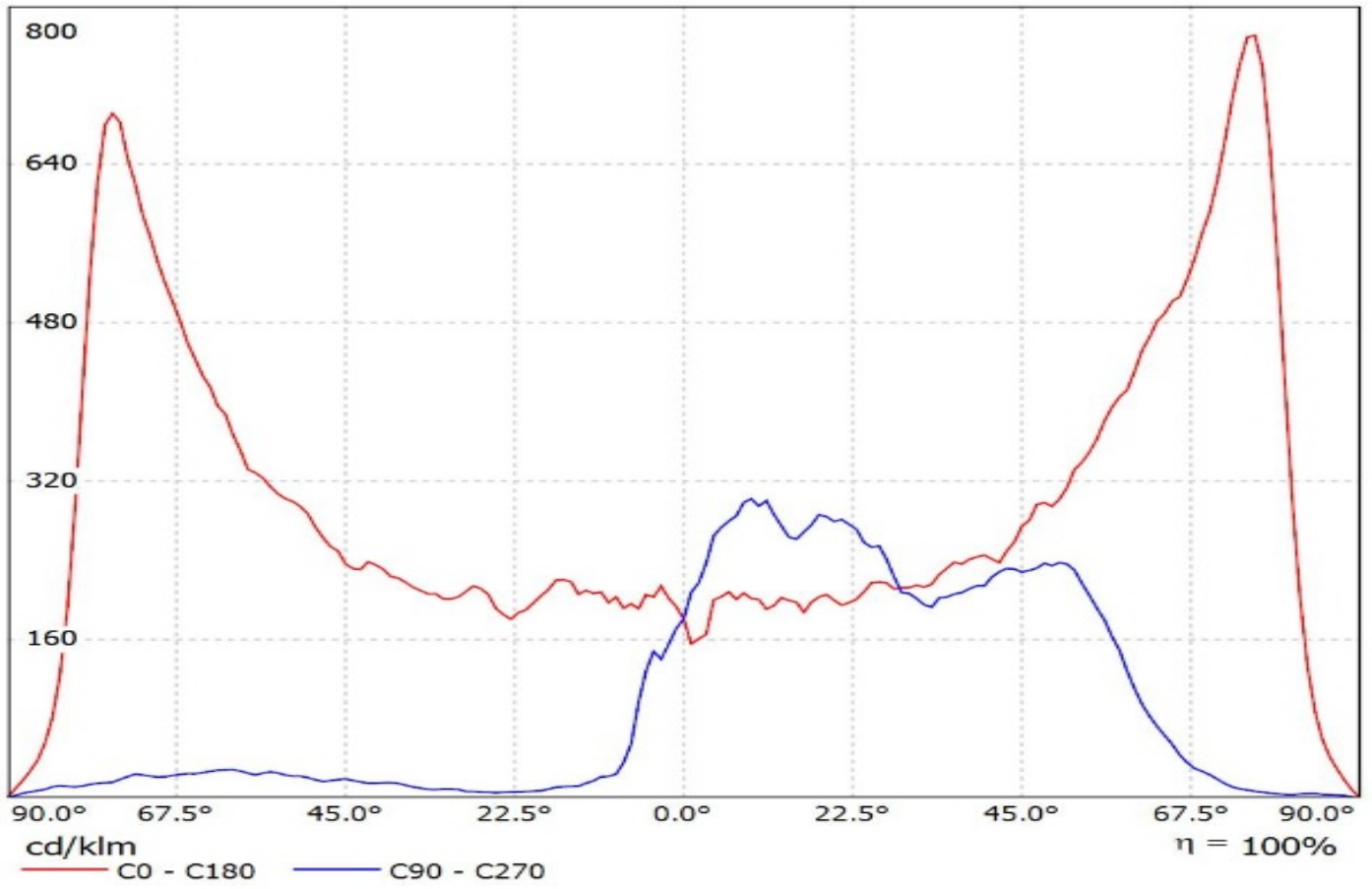


Luminaire: Ledil C15021_STRADA-2X2-SCL_(Z8Y22plus)

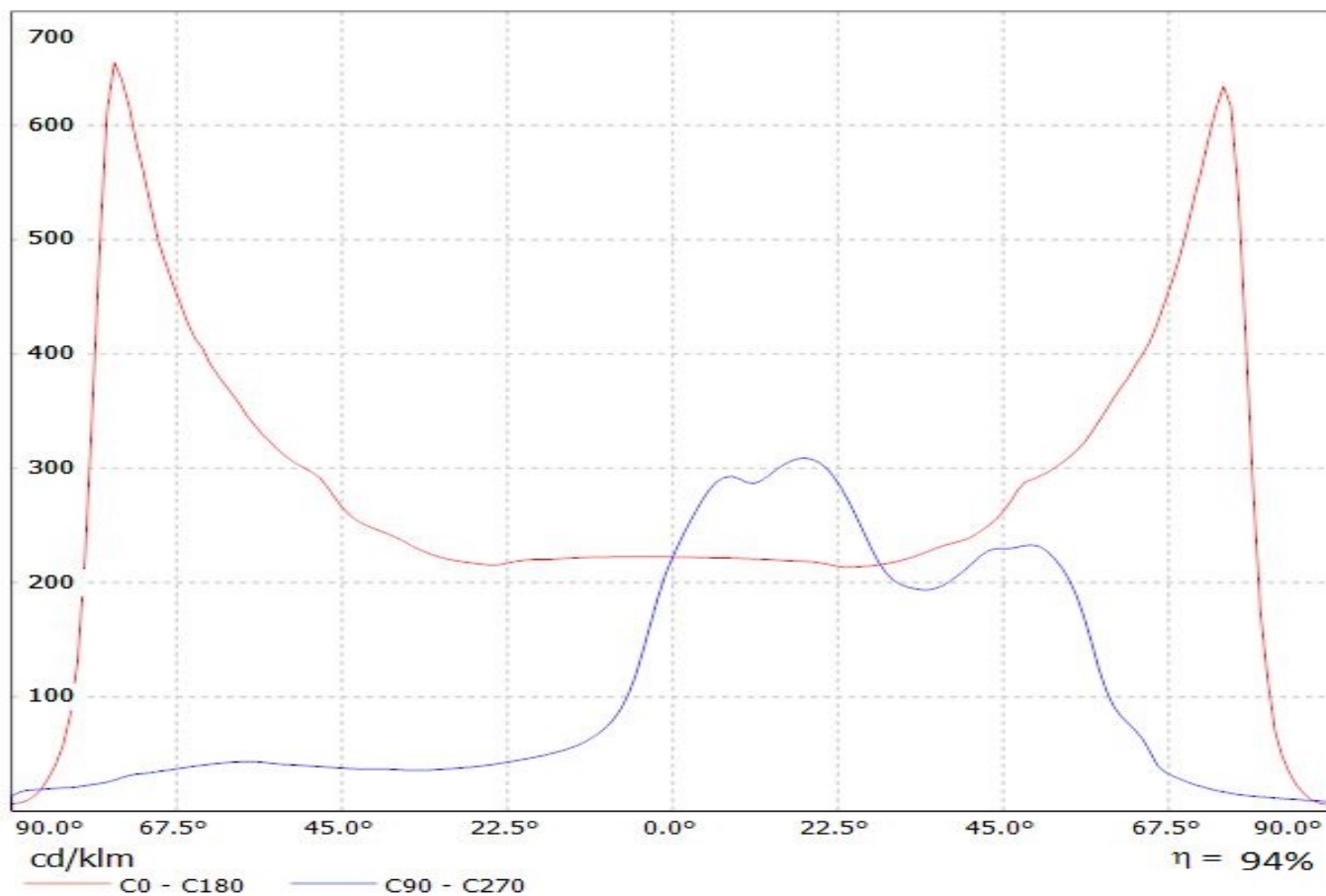
Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_513.996lm@250mA_P=2.754W_I=0.250A



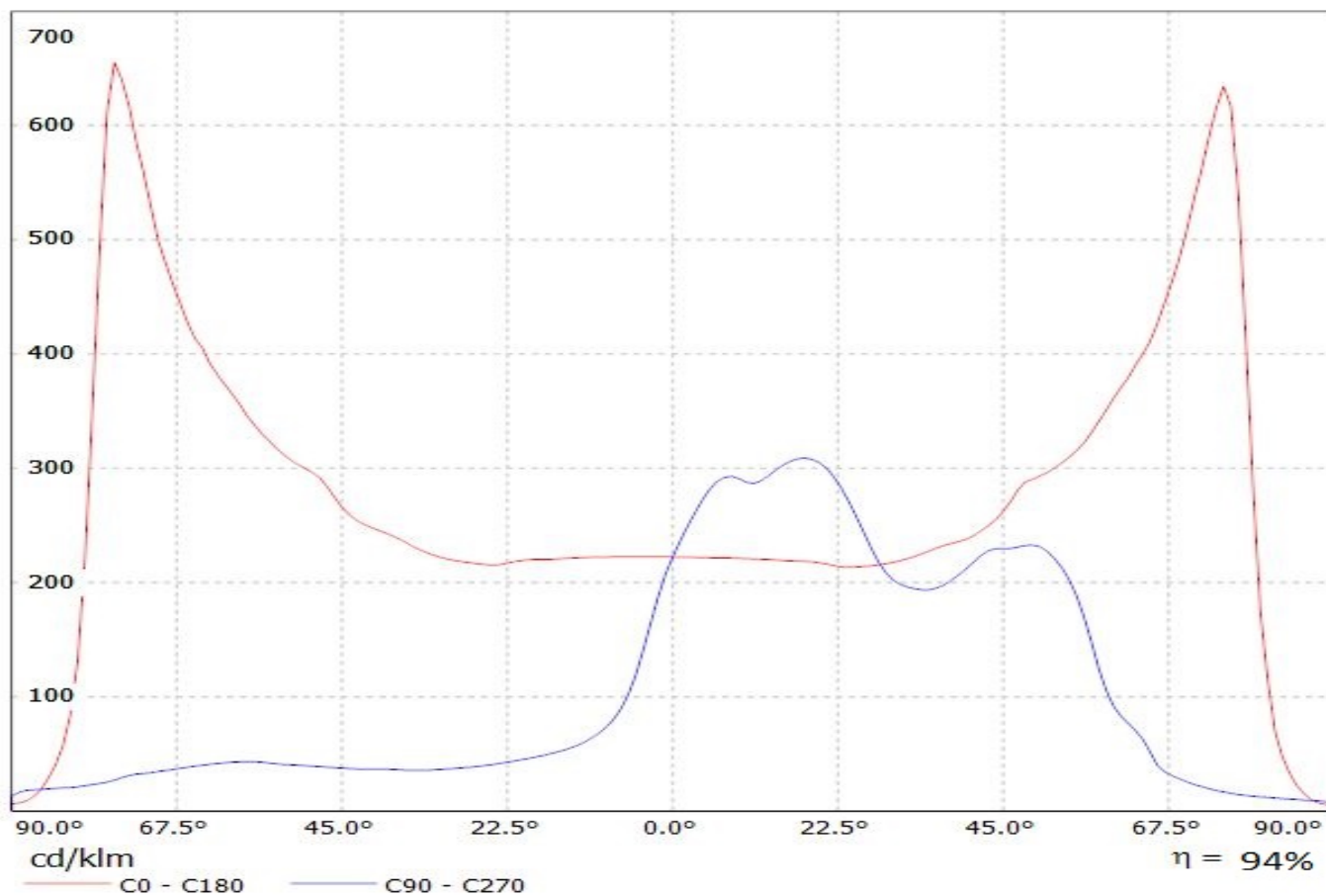
Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Toshiba_TL1L4
Lamps: 1 x



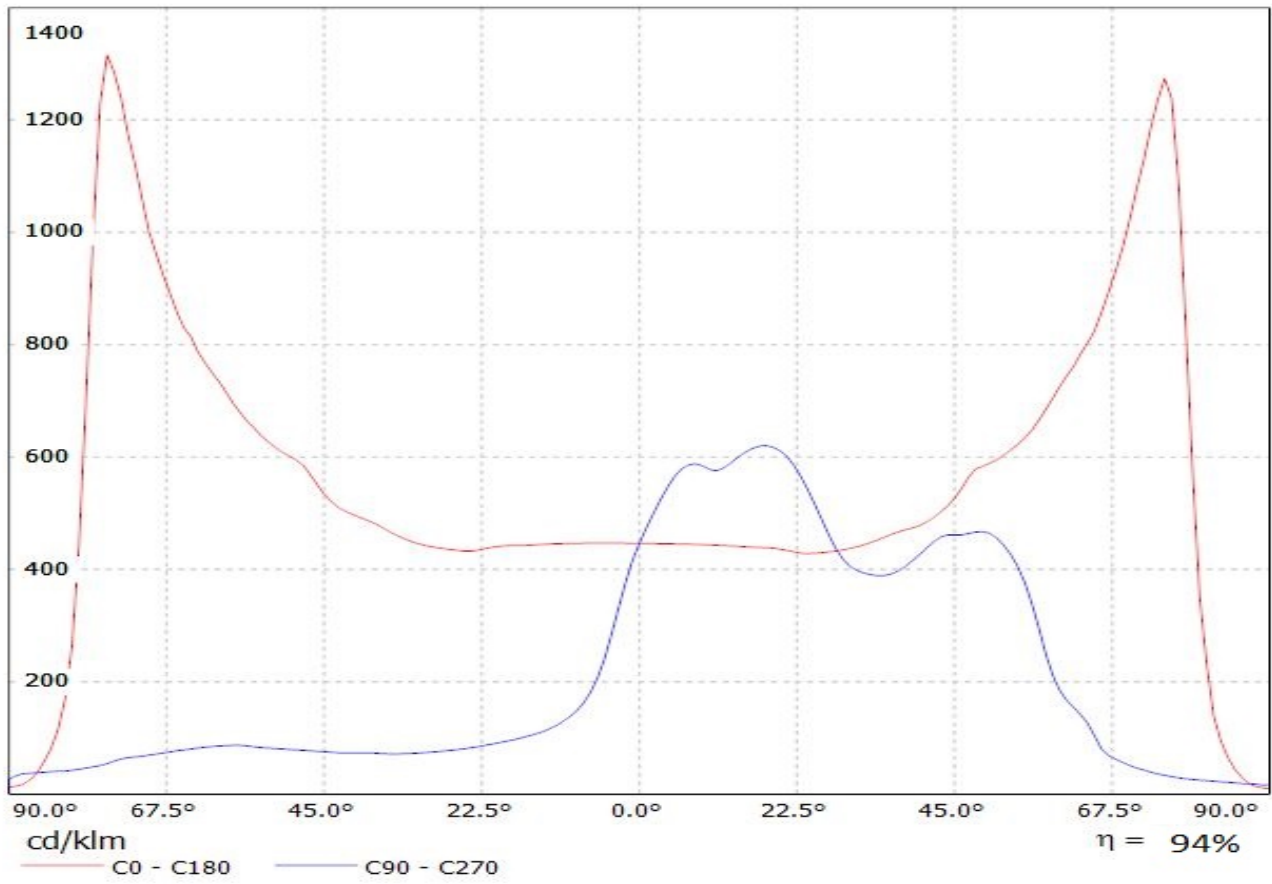
Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A



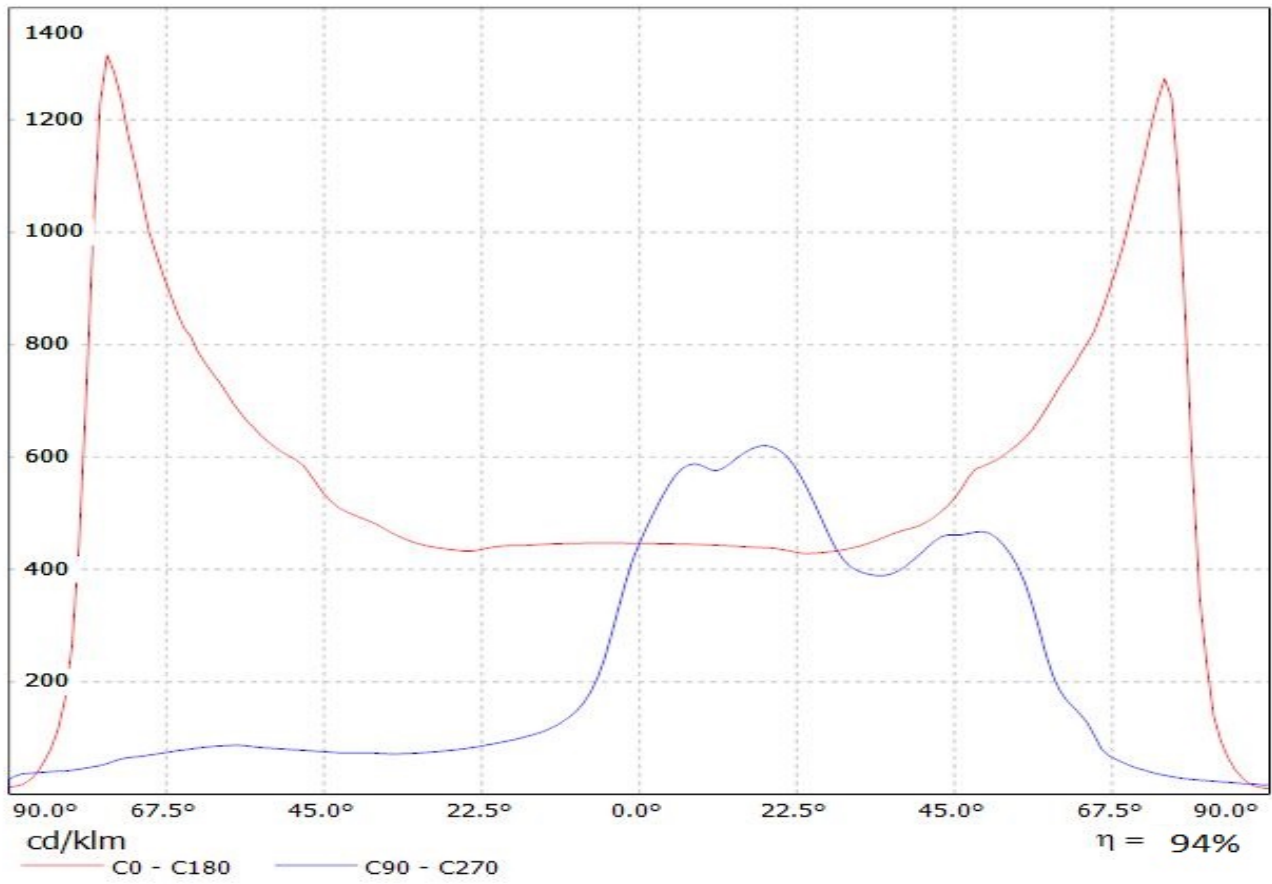
Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A



Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_2288lm@700mA_P=16W_I=0.700A

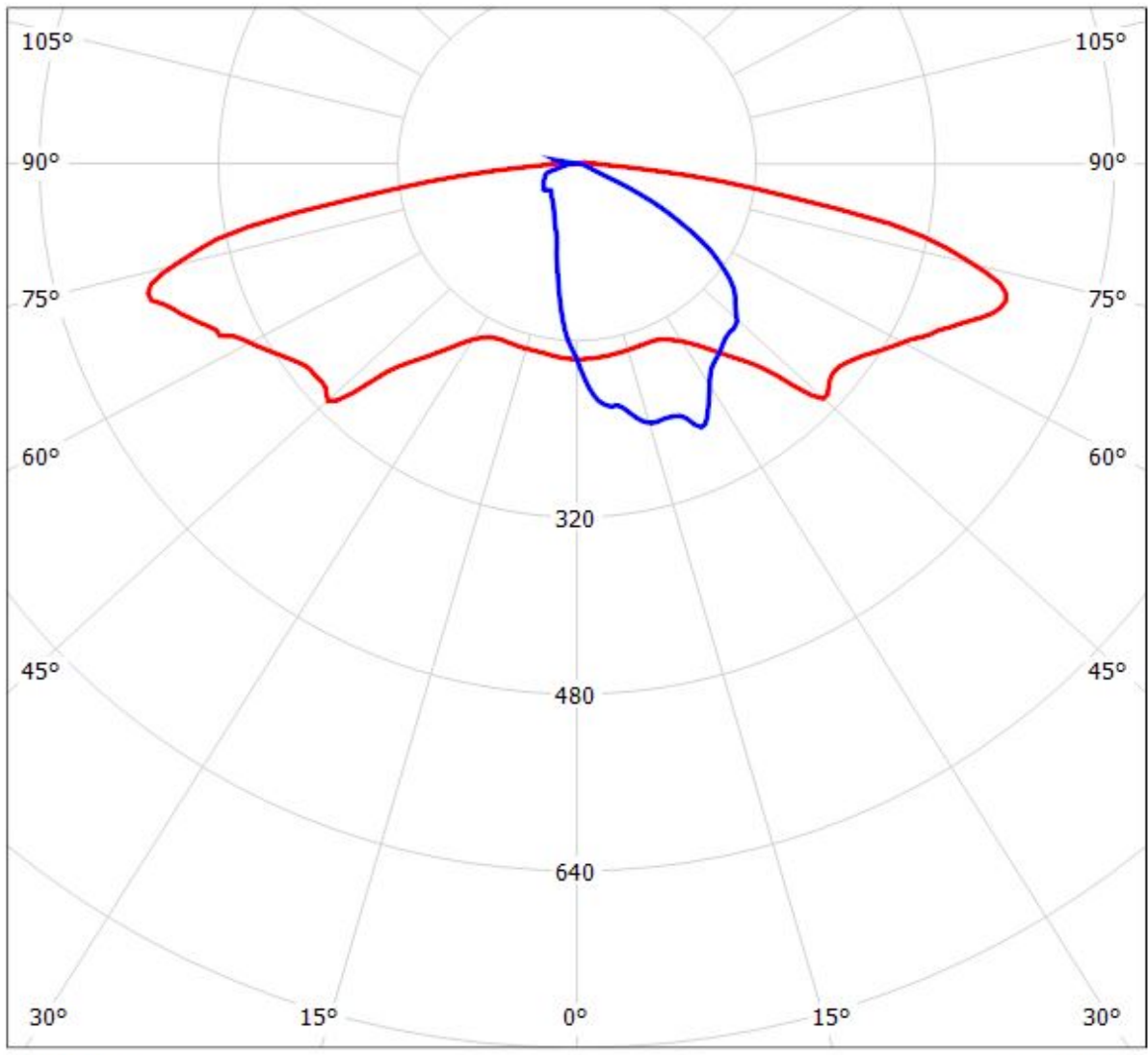


Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_2288lm@700mA_P=16W_I=0.700A



Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(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

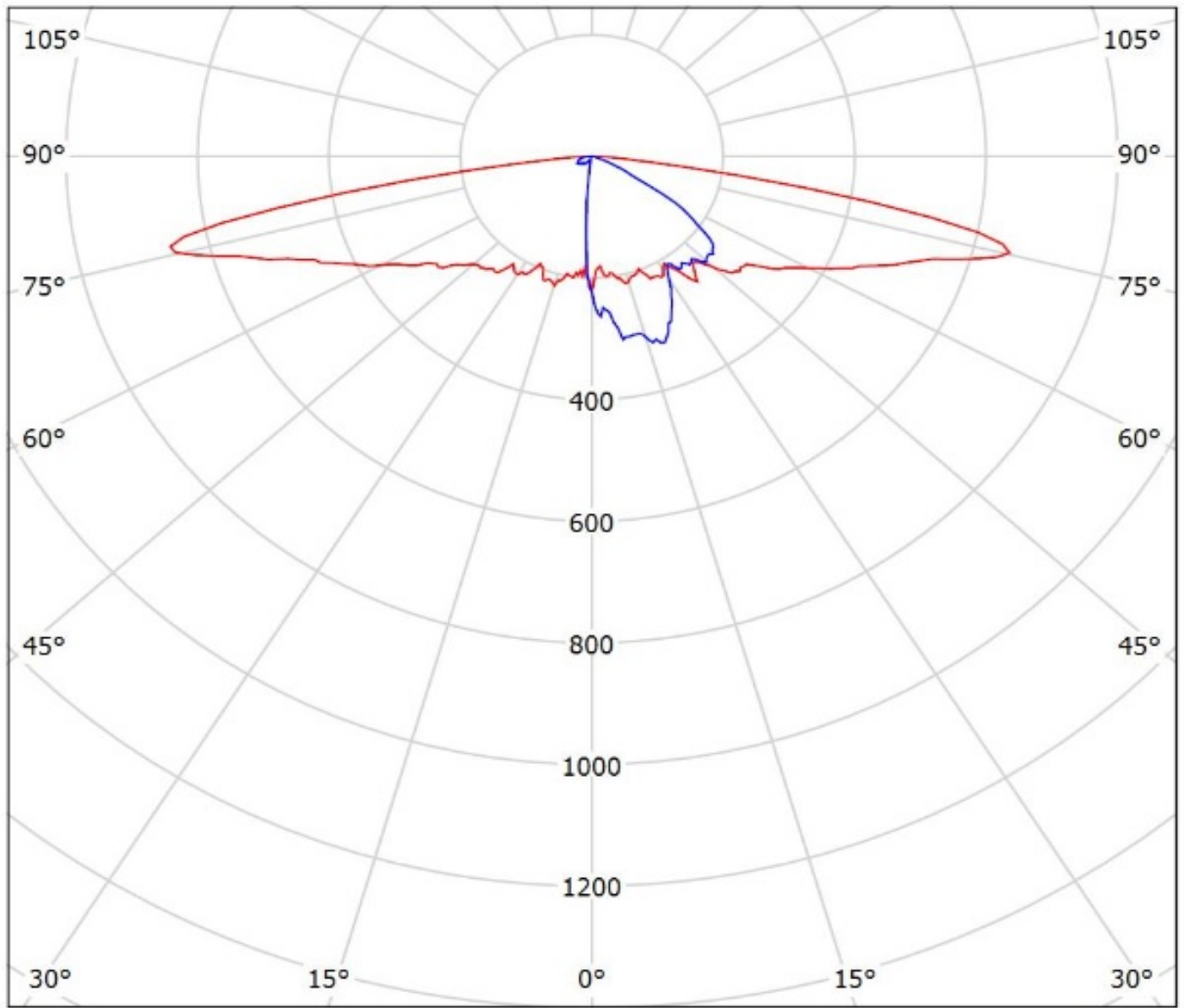


cd/klm

— C0 - C180 — C90 - C270

$\eta = 97\%$

Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Cree_XB-H
Lamps: 1 x



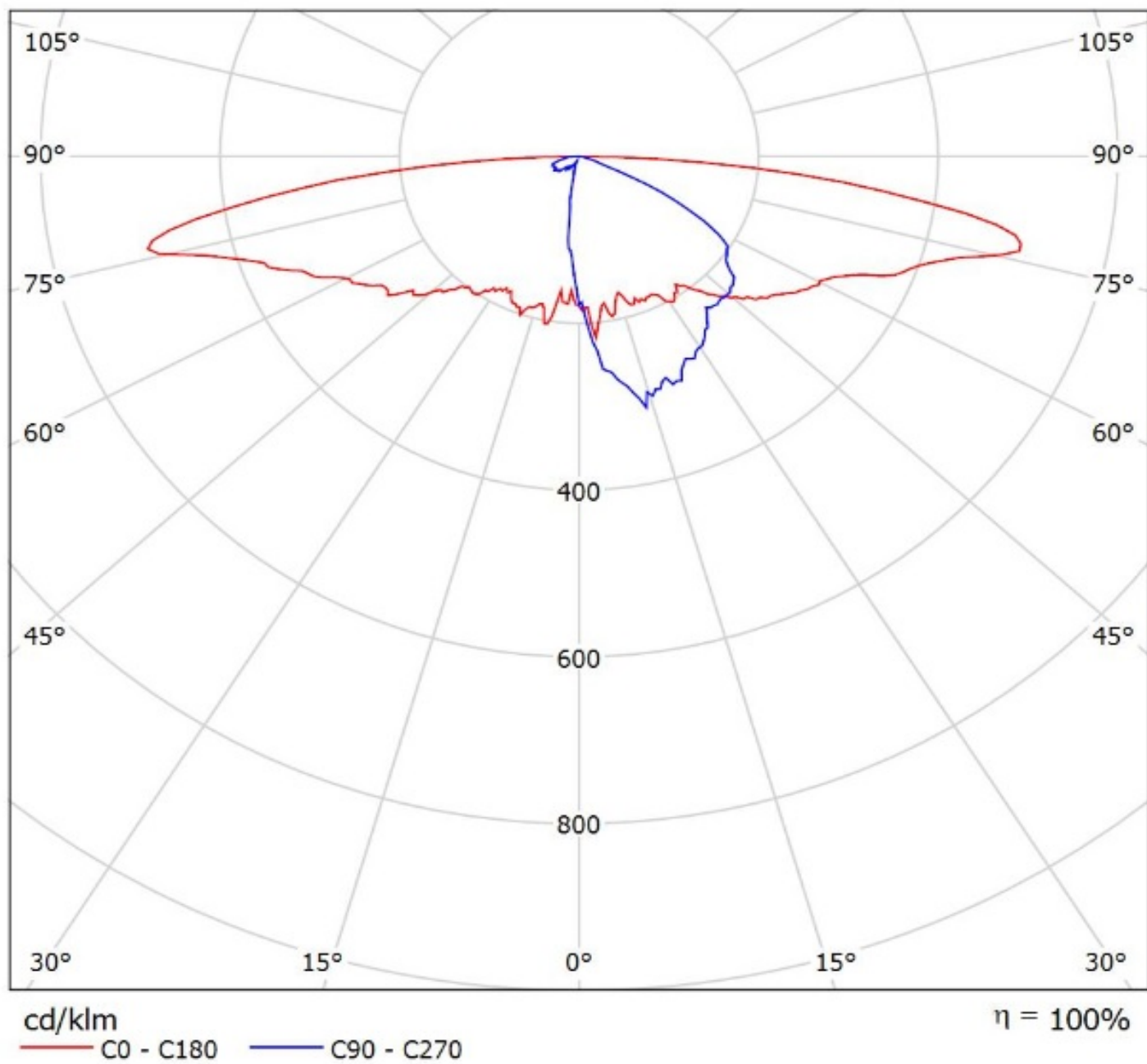
cd/klm

— C0 - C180 — C90 - C270

$\eta = 100\%$

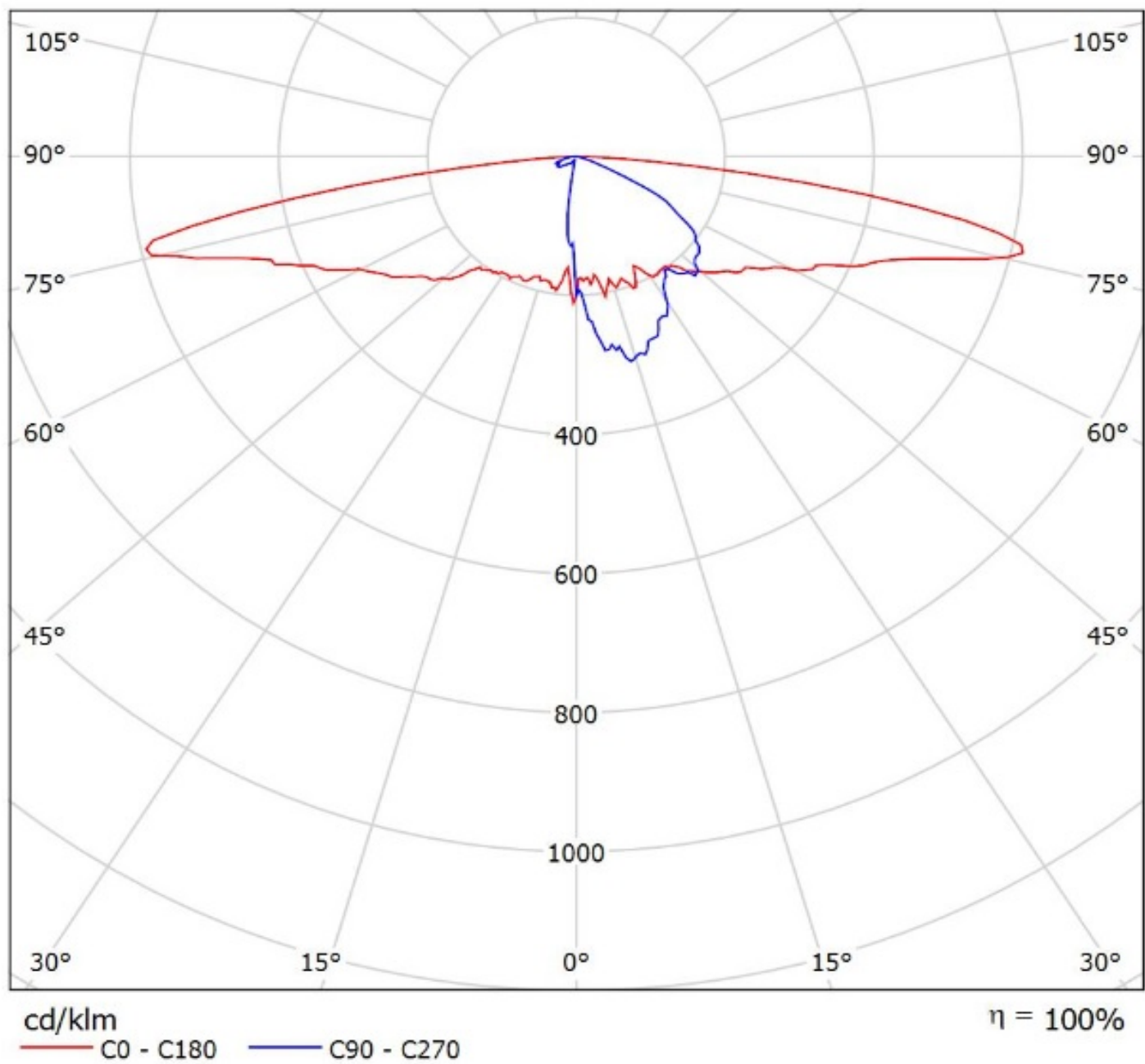
Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Cree_XHP35

Lamps: 1 x

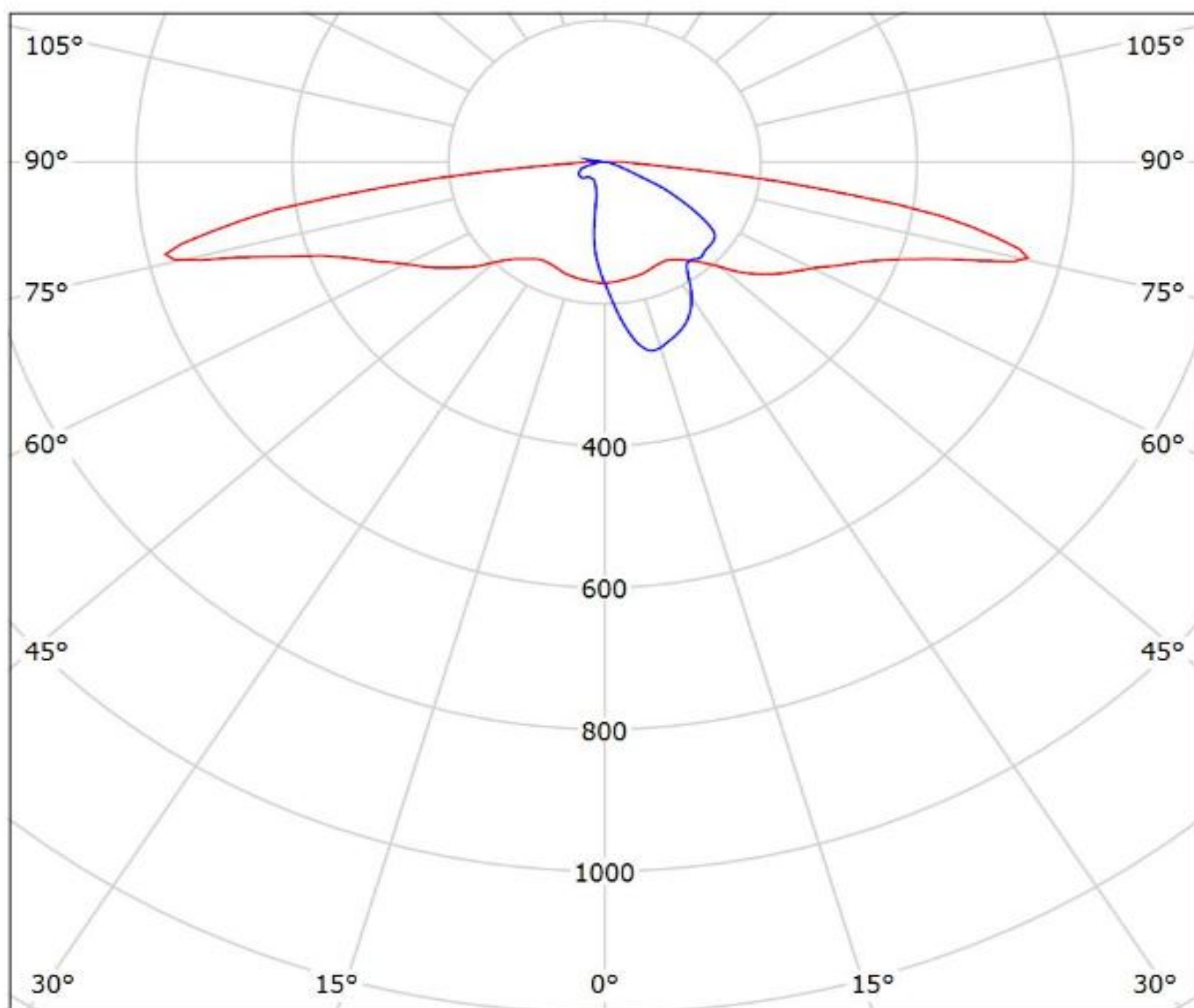


Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Cree_XM-L2

Lamps: 1 x



Luminaire: Ledil C15021_STRADA-2X2-SCL (XP-L)
Lamps: 1 x CREE_XP-L_2x2 (XPLAWT-0-1B0-V40-00-0001)
_508.286lm@250mA_CCT=7600K_P=2.8173W_I=0.25A

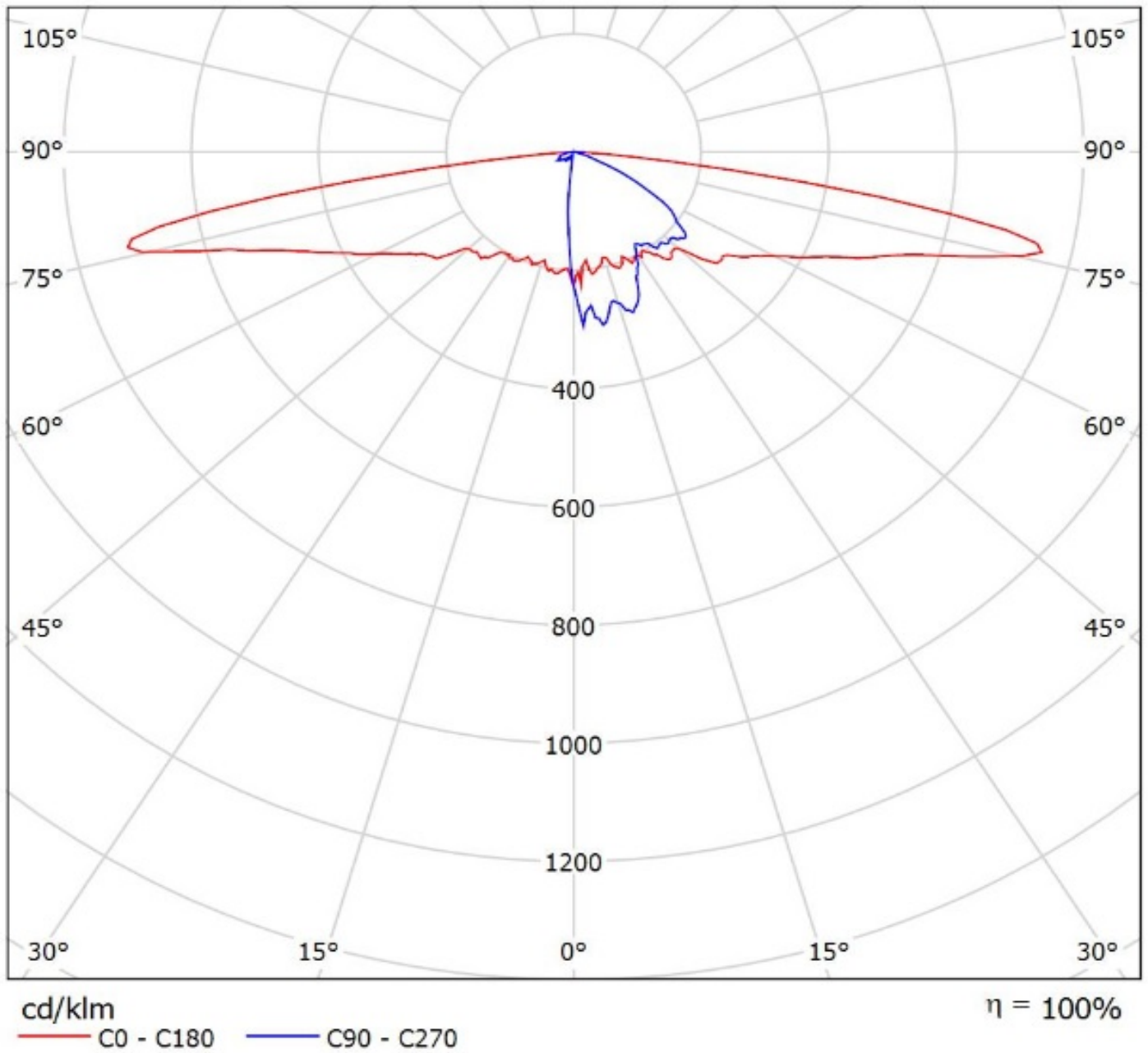


cd/klm

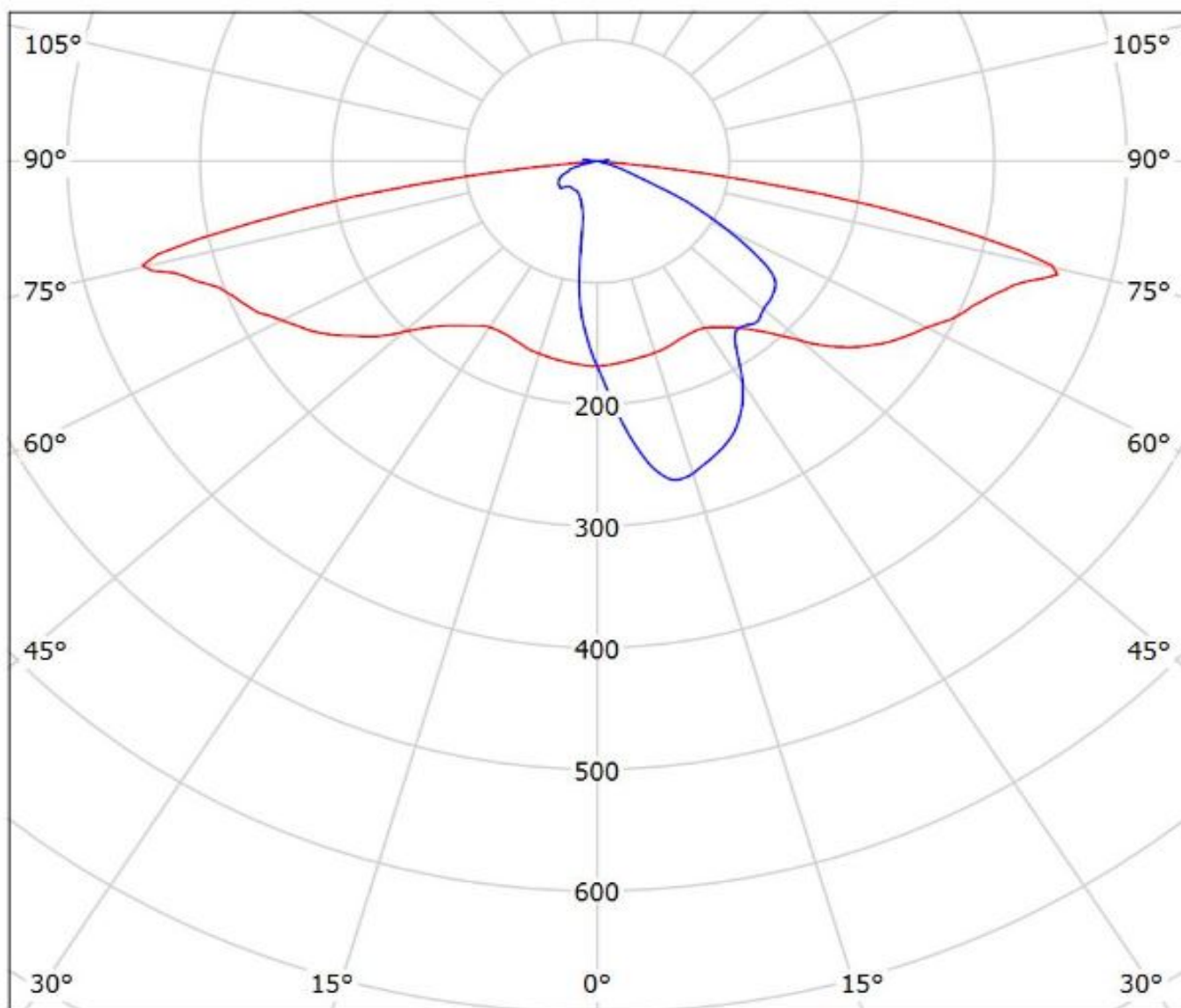
— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Cree_XP-L-HI
Lamps: 1 x



Luminaire: Ledil C15021_STRADA-2X2-SCL_(XP-L)_glass
Lamps: 1 x CREE_XP-L_2x2_(XPLAWT-0-1B0-V40-00-0001)
_508.286lm@250mA_CCT=7600K_P=2.8173W_I=0.25A

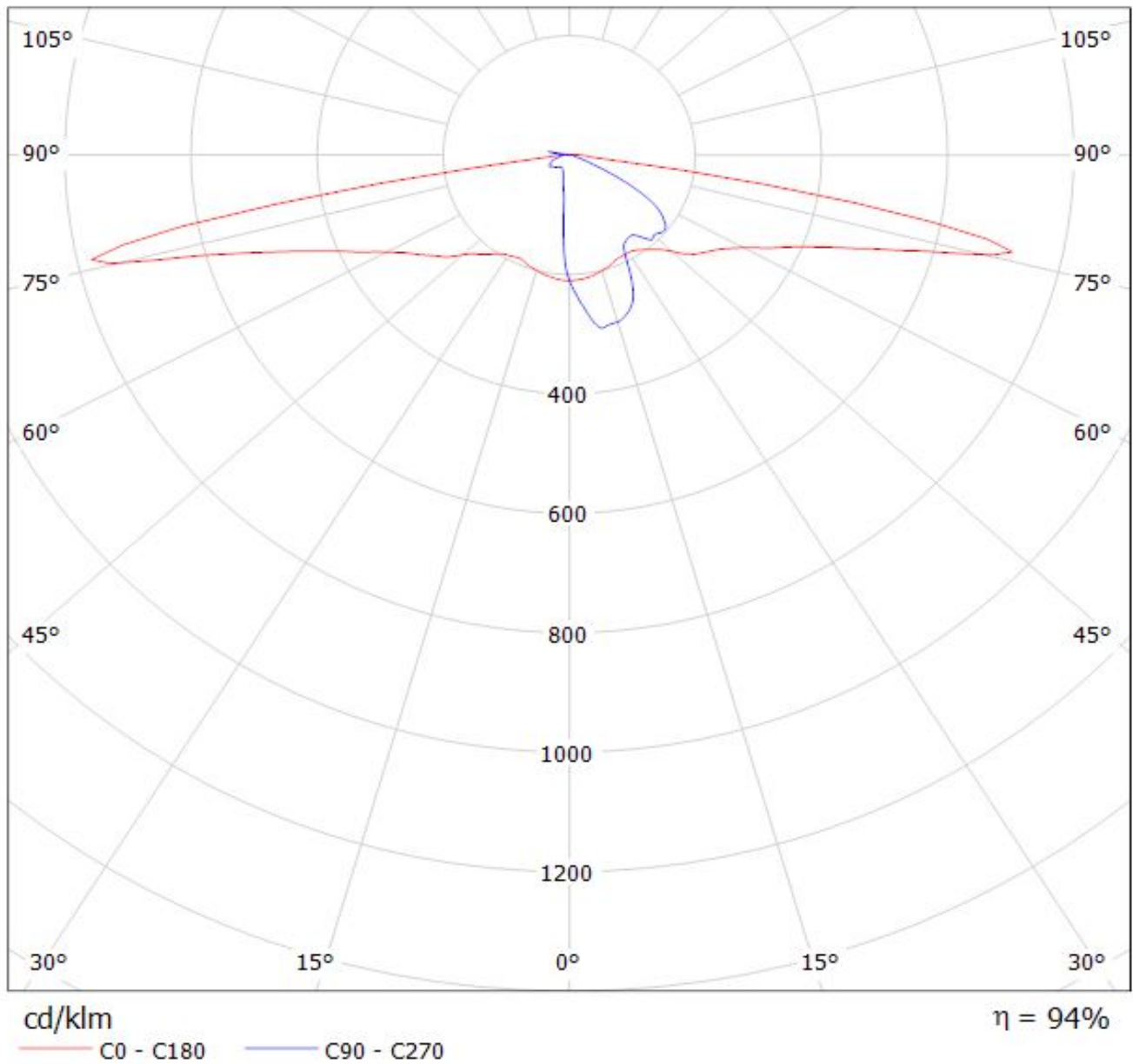


cd/klm
— C0 - C180 — C90 - C270

$\eta = 78\%$

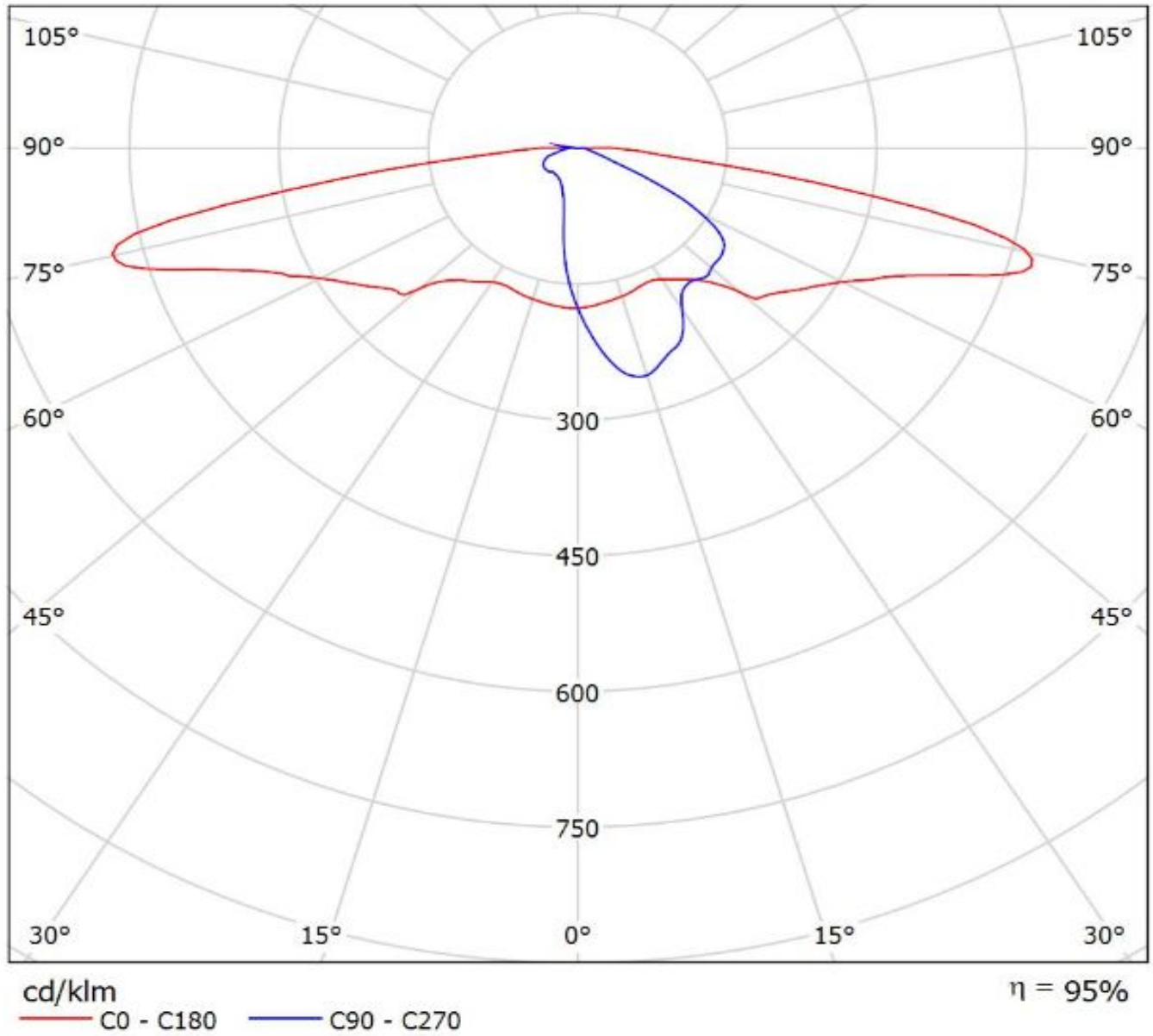
Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(XP-G2)

Lamps: 1 x Cree_XP-G2_(XPGBWT-L1-000-00-G51)_409.845lm@250mA_P=2.94464_I=0.250A

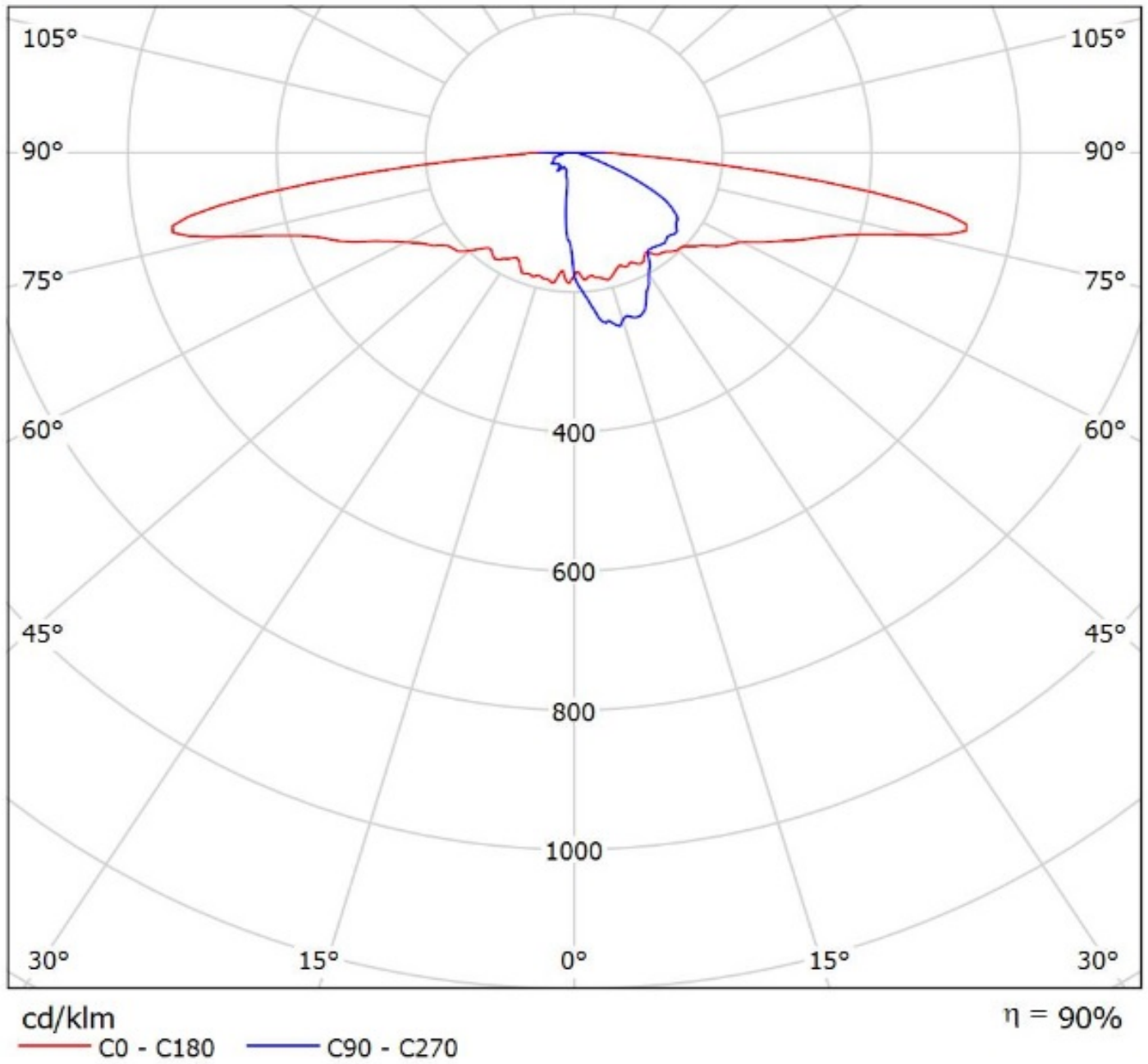


Luminaire: Ledil C15021_STRADA-2X2-SCL_(XP-L2)

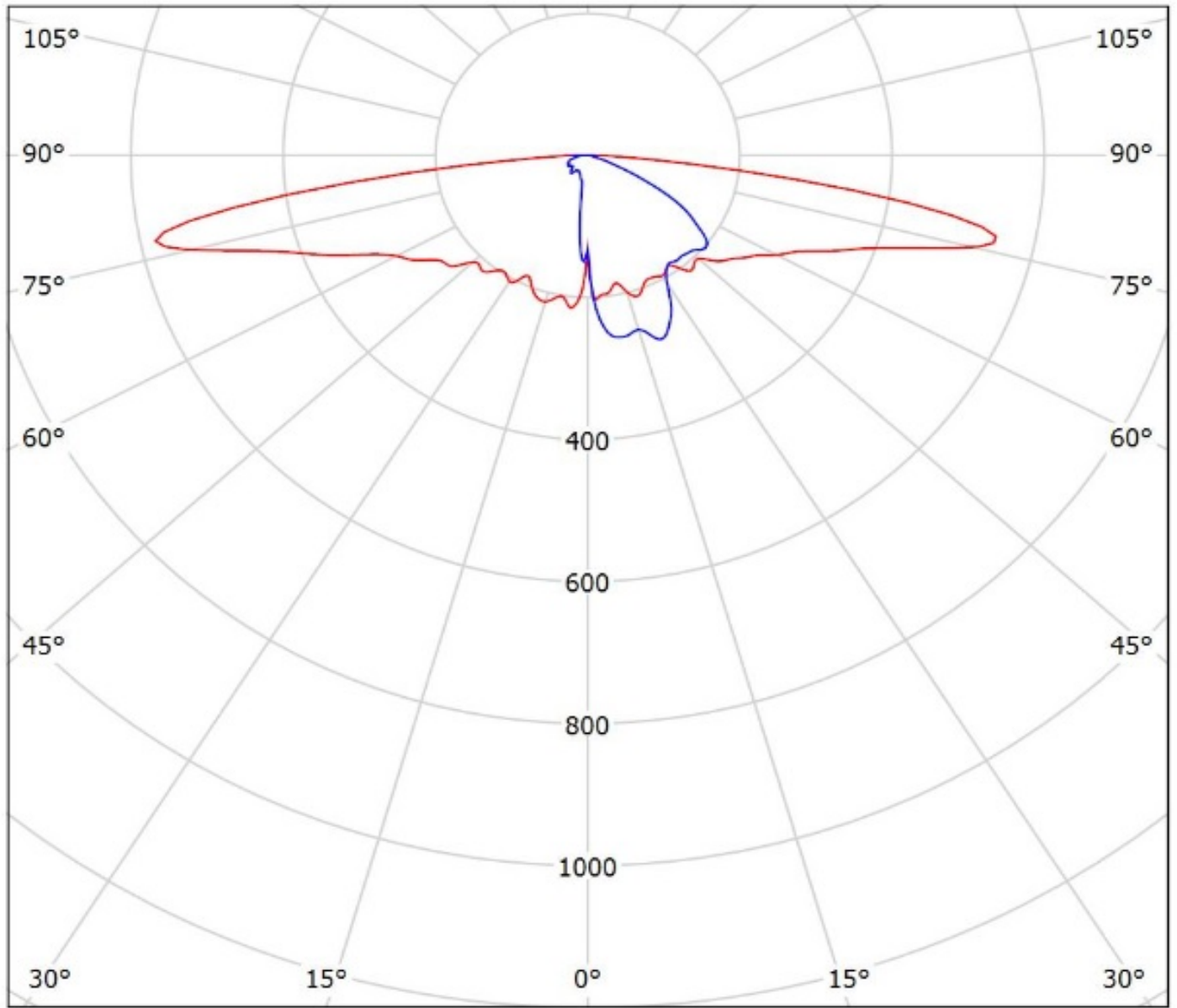
Lamps: 1 x Cree_XP-L2_2x2_(XPLBWT-00-0000-000BV50E3)550.93lm@250mA_P=2.7815W_I=0.25A



Luminaire: Ledil Oy C15021_STRADA-2X2-SCL_(XP-G3)_SIMULATED
Lamps: 1 x Cree XP-G3



Luminaire: Ledil Oy C15021_STRADA-2X2-SCL_(H35C1)_SIMULATED
Lamps: 1 x LG H35C1 (CCT=5700K)

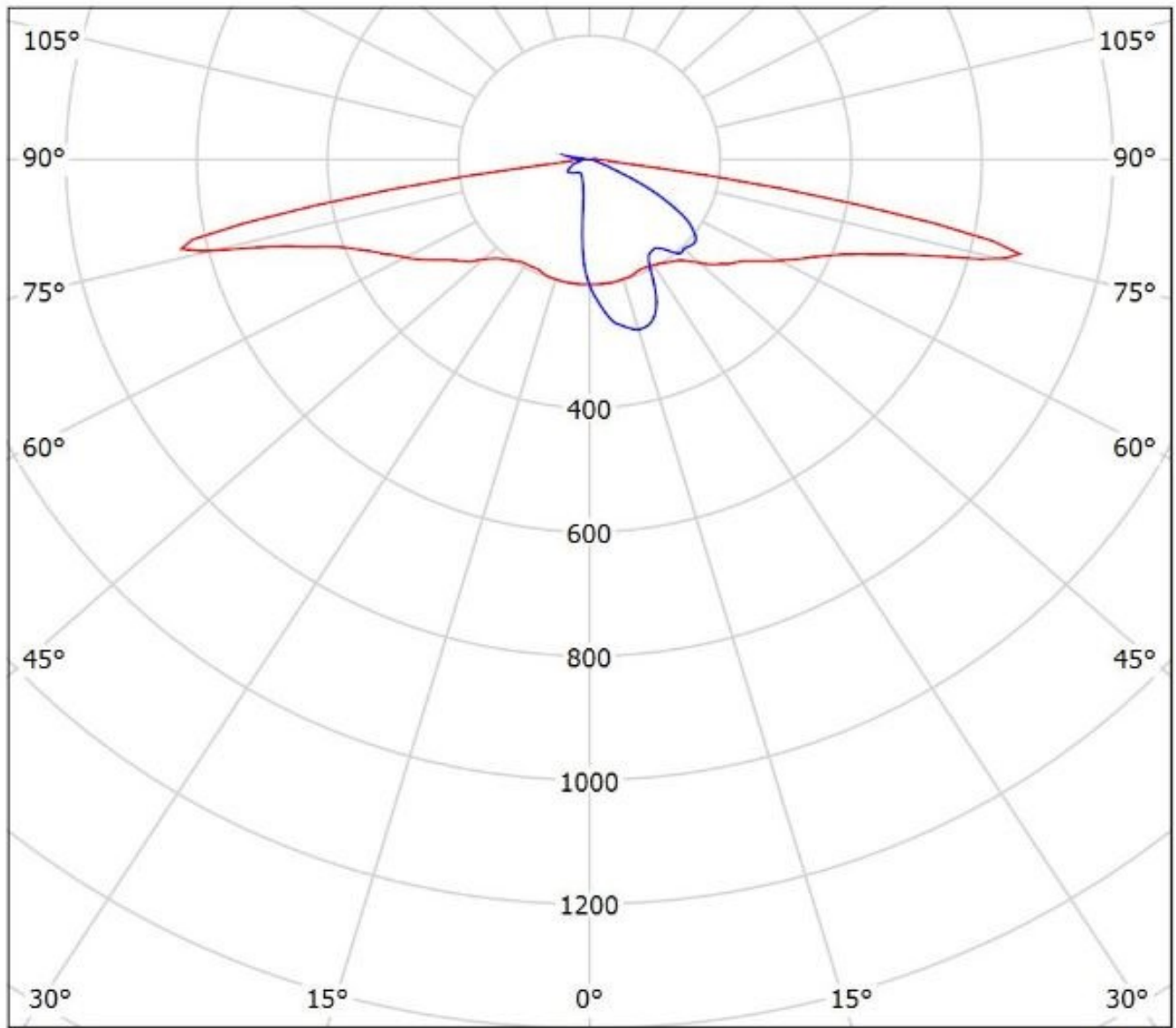


cd/klm
— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: Ledil C15021_STRADA-2X2-SCL_(H35C1)

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

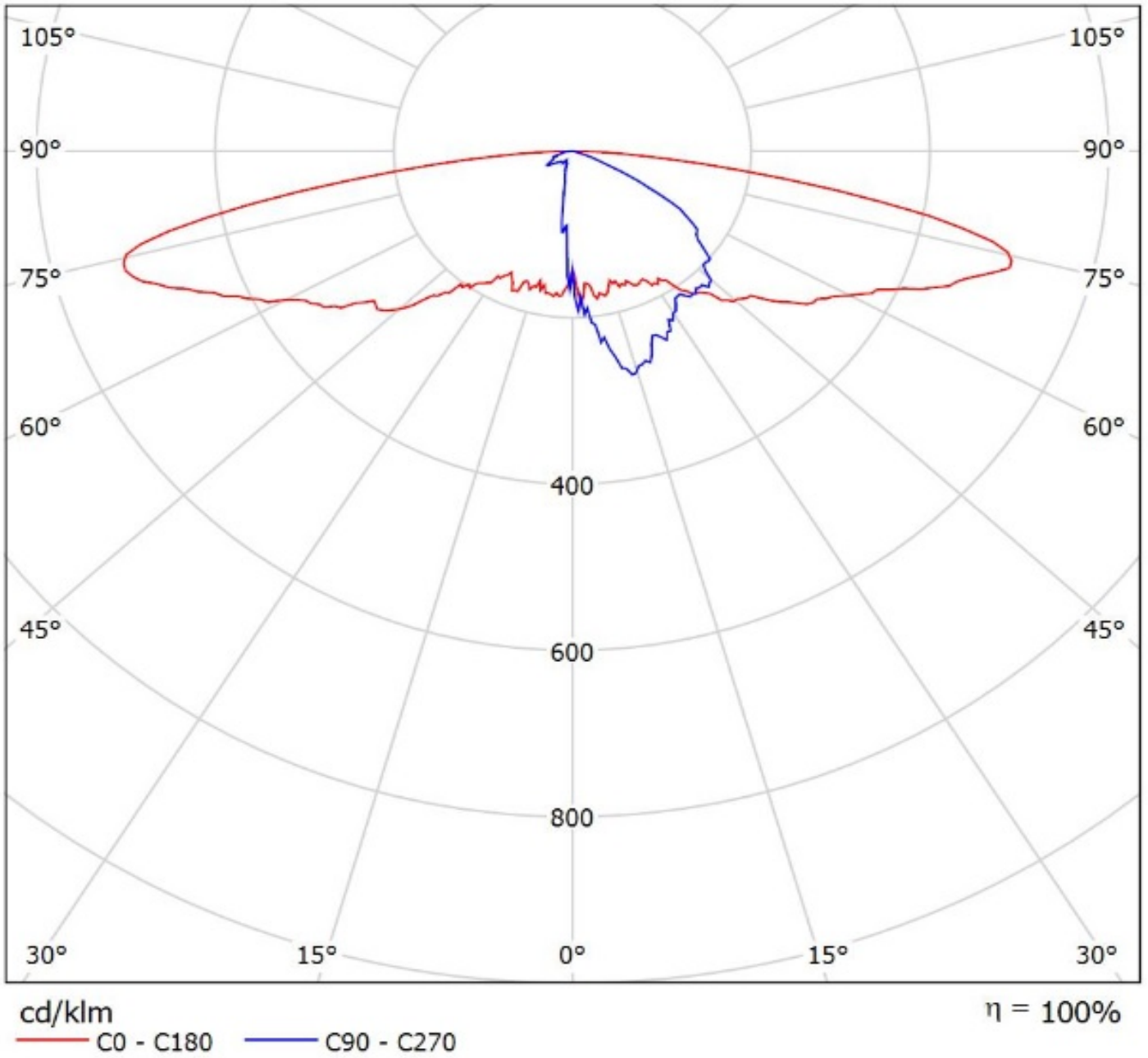


cd/klm

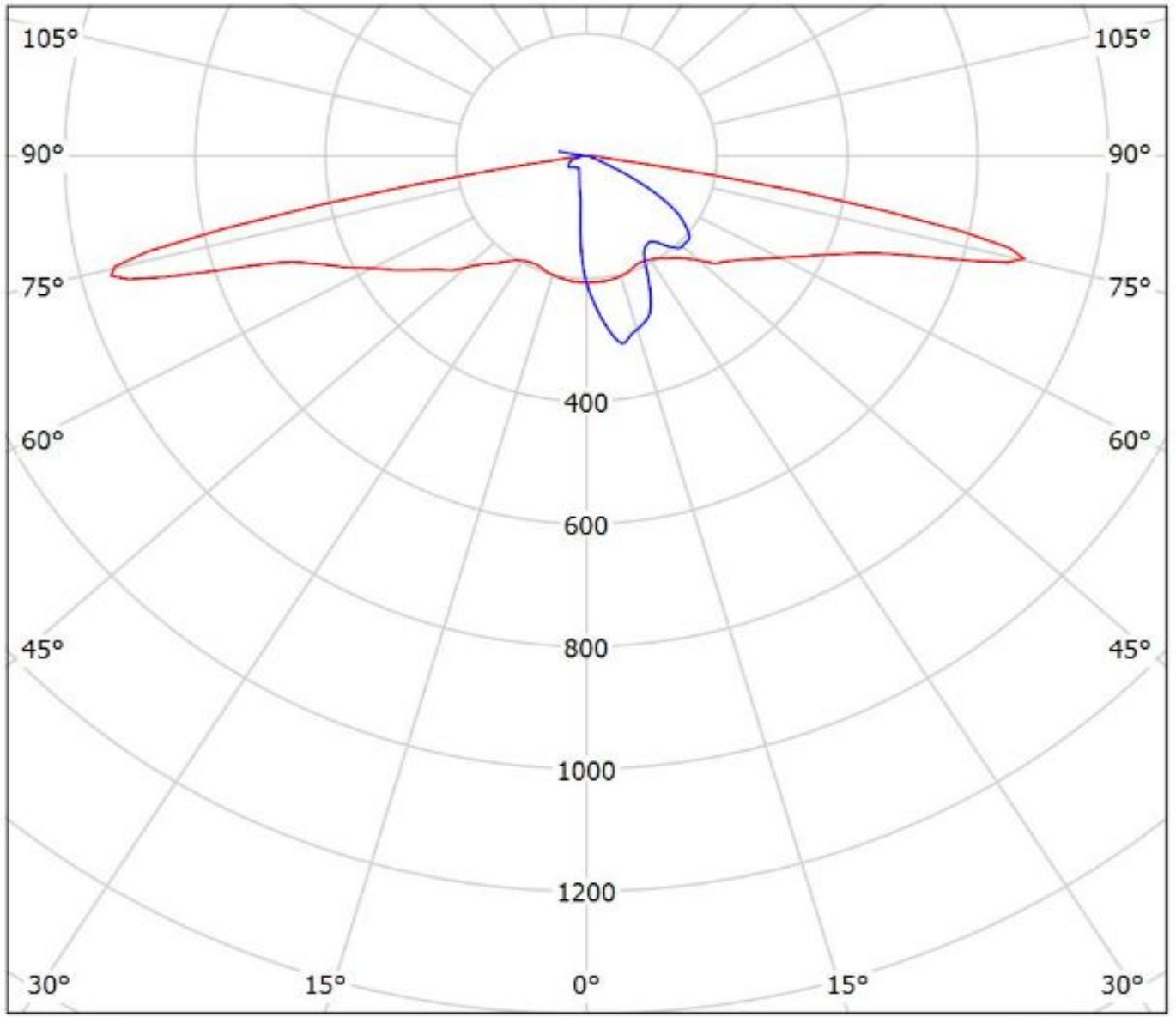
— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Luxeon-5258
Lamps: 1 x



Luminaire: Ledil C15021_STRADA-2X2-SCL_(Luxeon_TX)
Lamps: 1 x Luxeon_TX_(L1T2-3585)_lm@250mA_P=W_l=0.250A



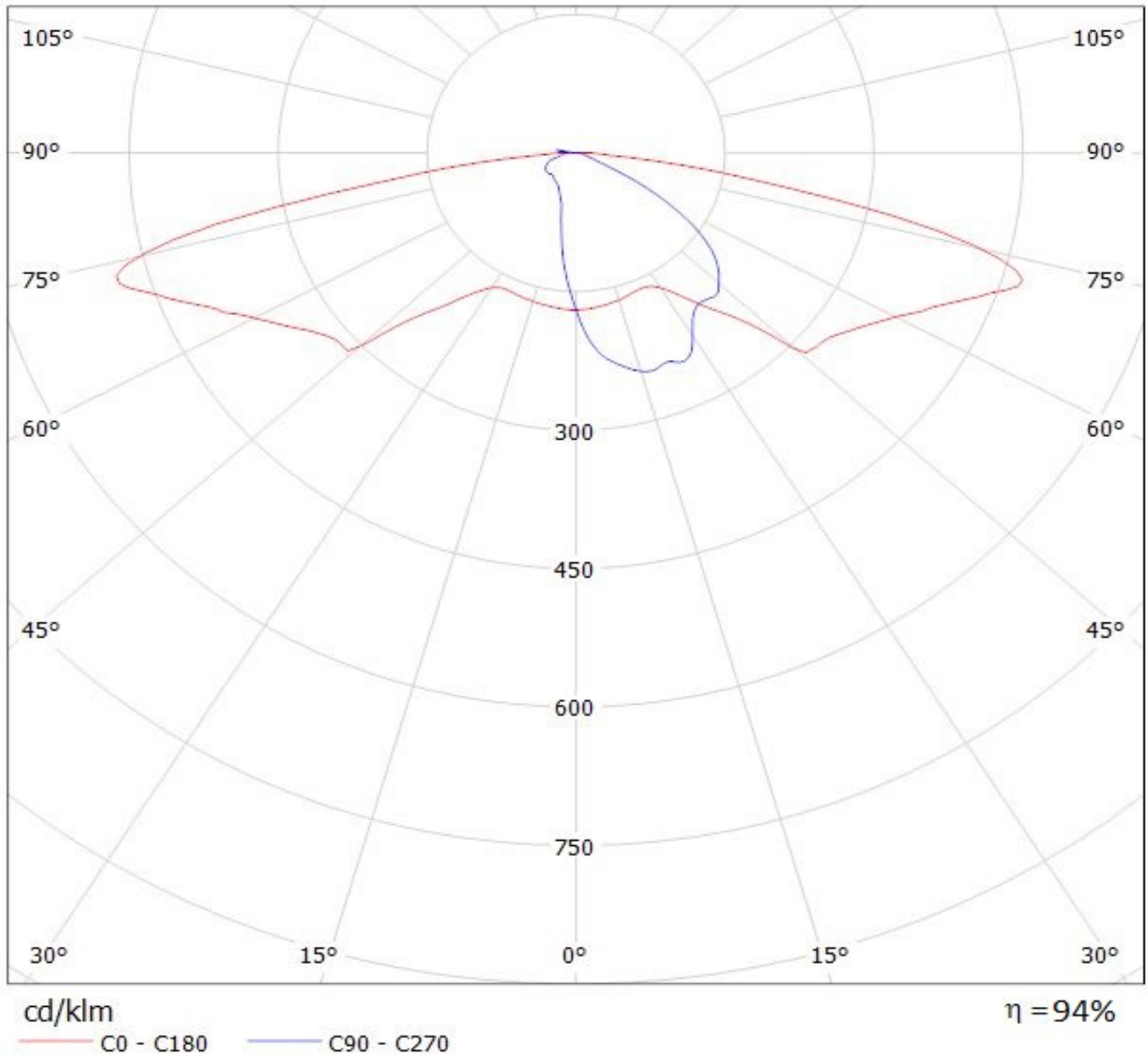
cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

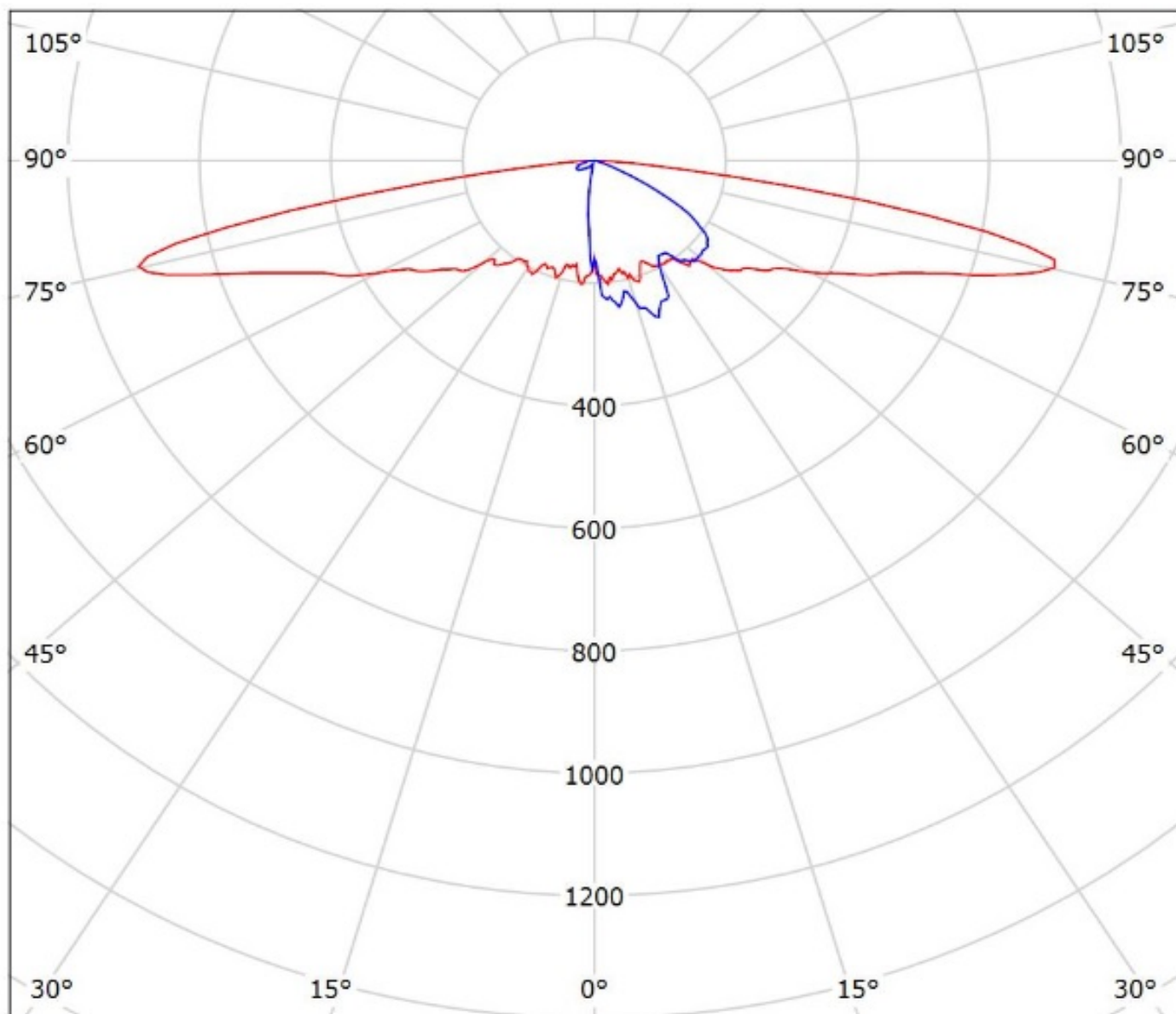
Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(Luxeon_5050)

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



Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Nichia_NVsxx19C

Lamps: 1 x



cd/klm

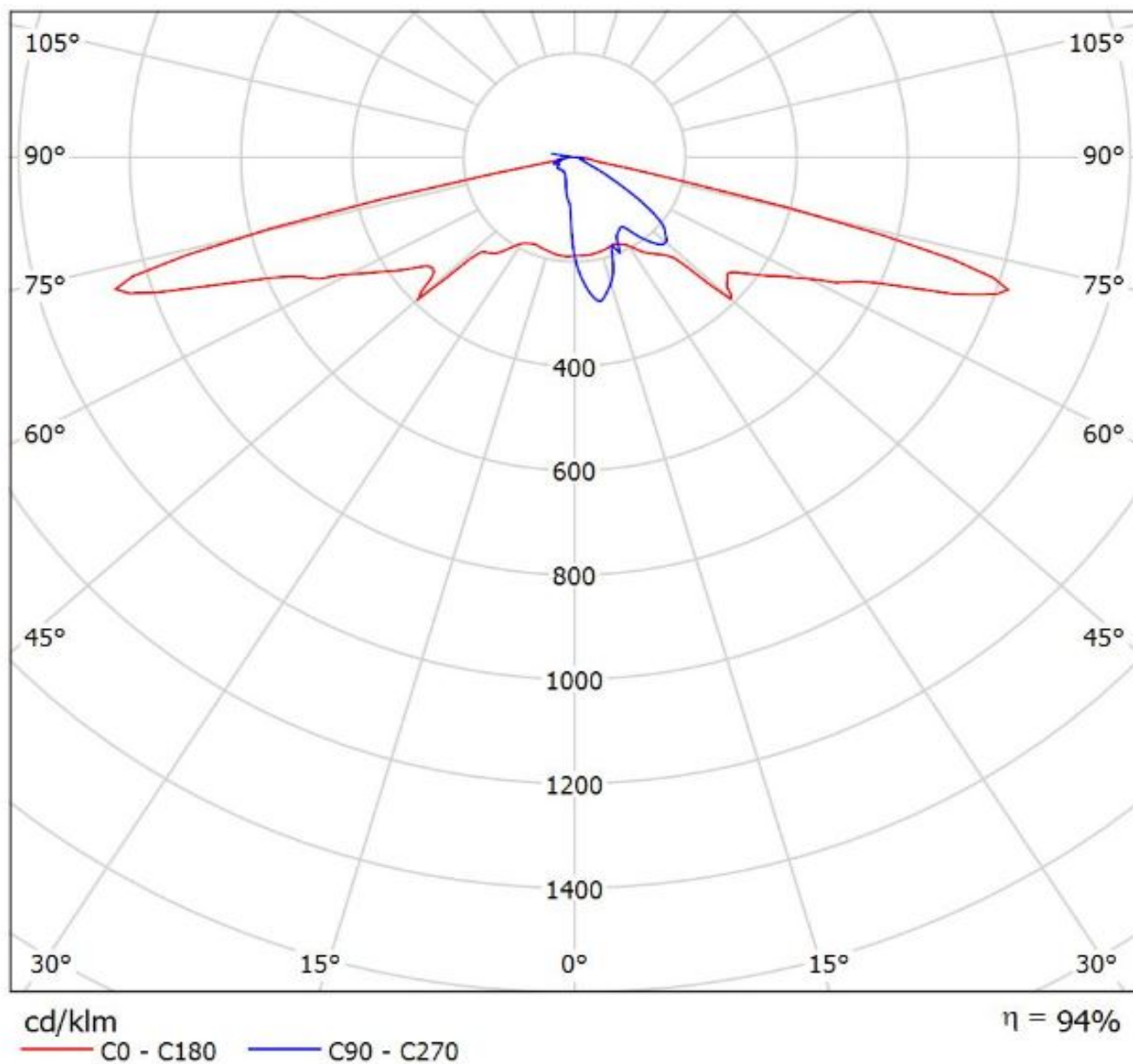
— C0 - C180

— C90 - C270

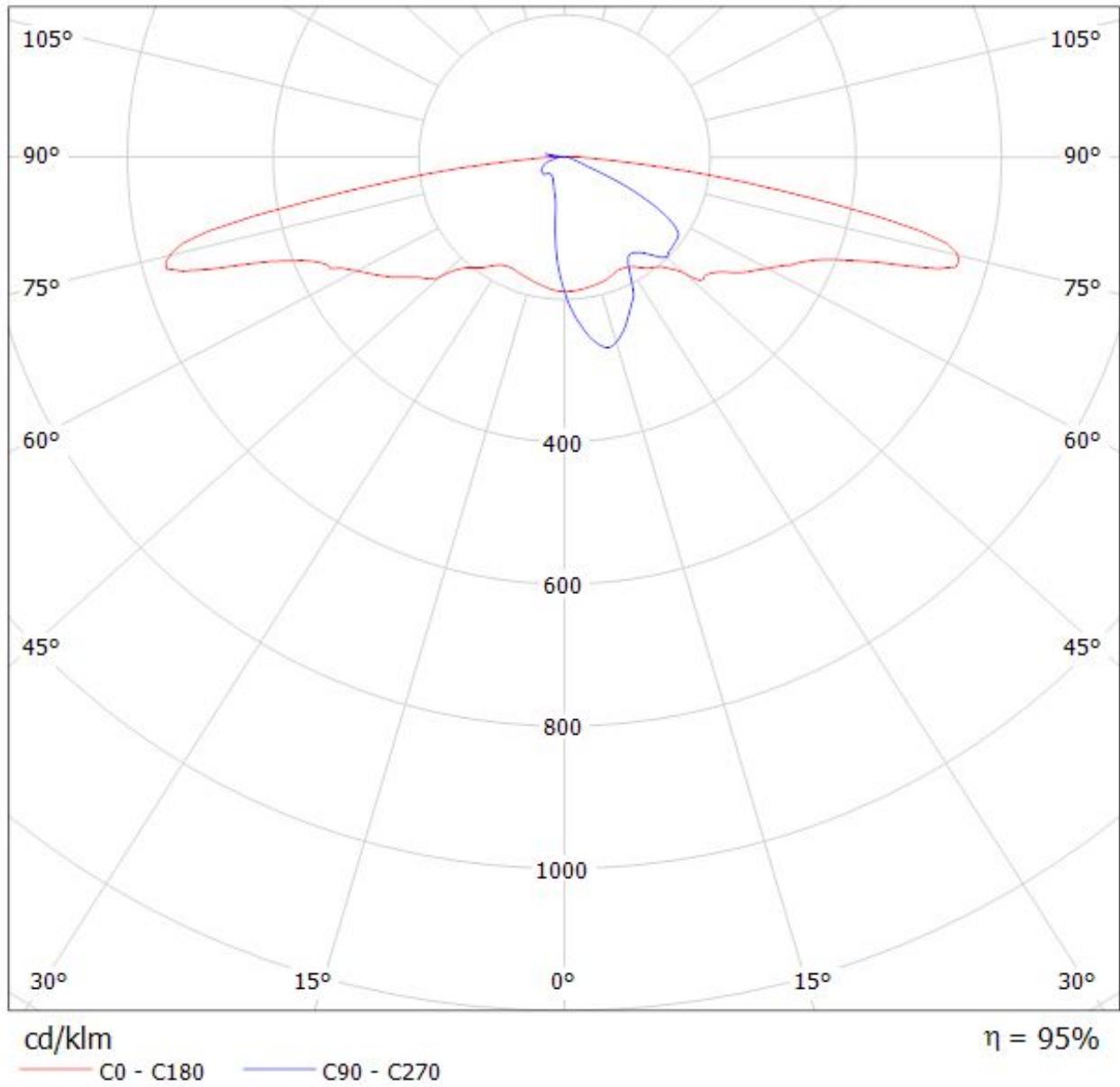
$\eta = 100\%$

Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(E21A)

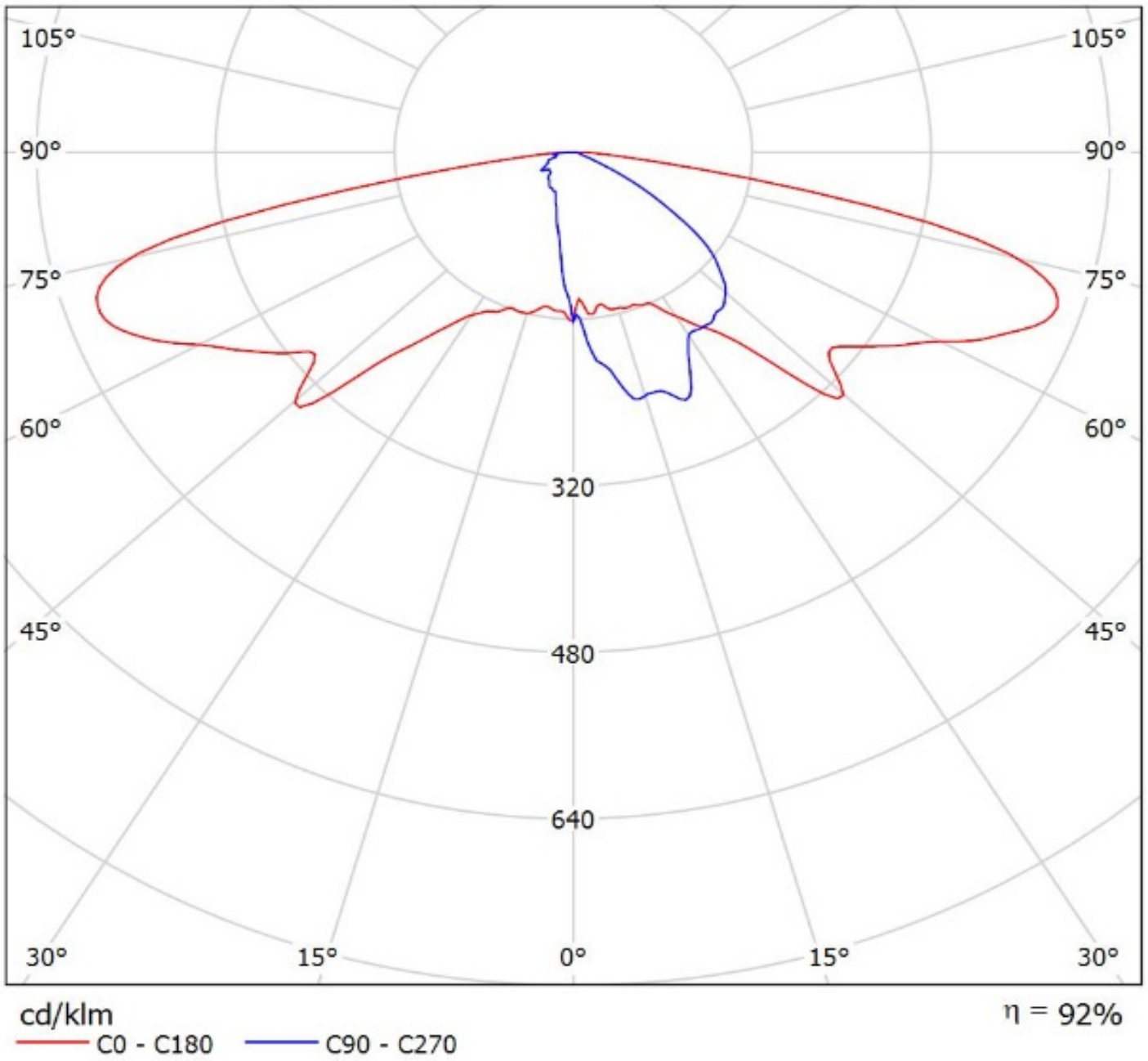
Lamps: 1 x Nichia_E21A_452.248lm@250mA_2.805W_I=0.250A



Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(NVSW319AE)
Lamps: 1 x Nichia_NVSW319AE_499.093lm@250mA_P=2.79052W_I=0.25A

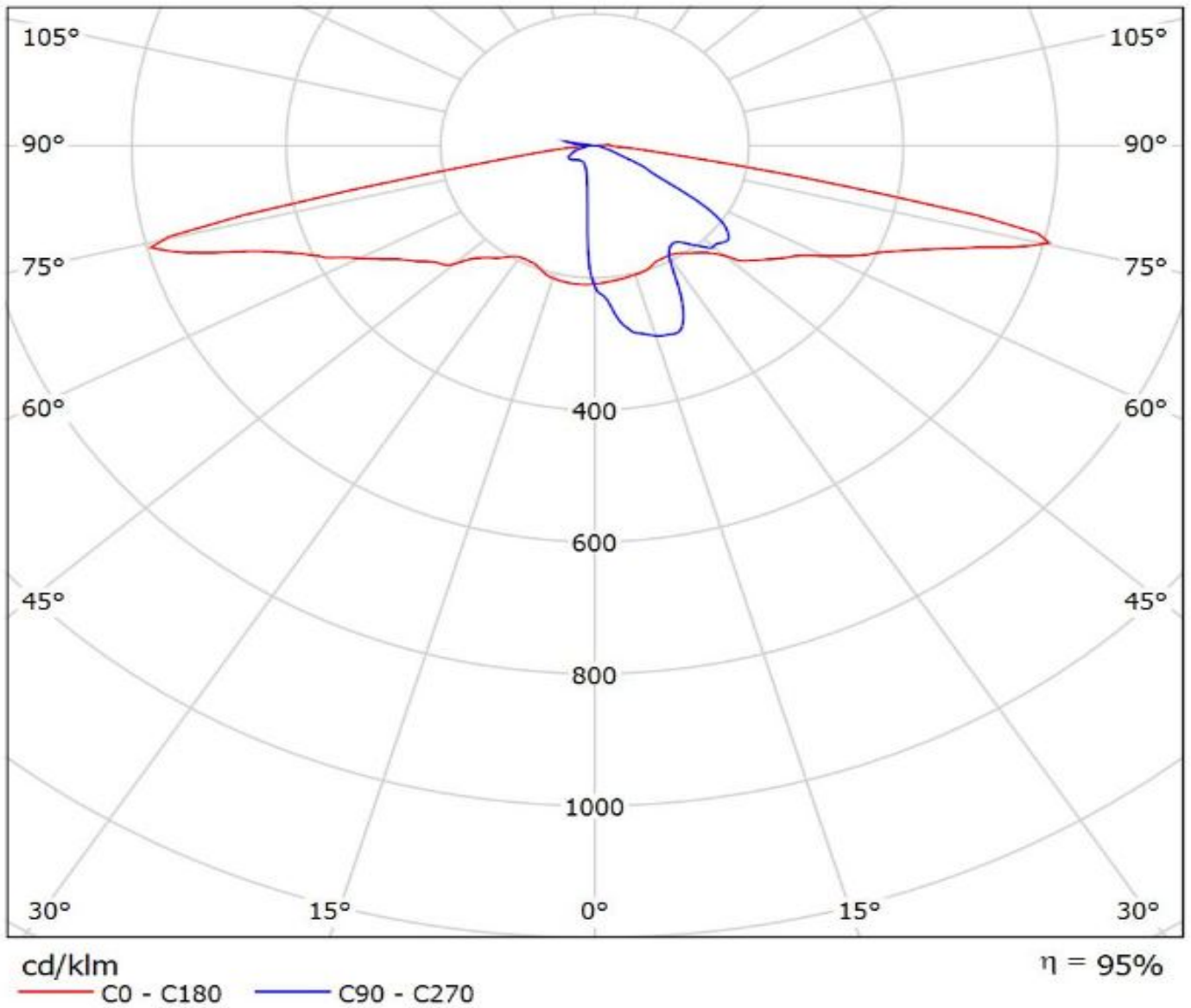


Luminaire: Ledil Oy C15021_STRADA-2X2-SCL_(Duris_S8)_SIMULATED
Lamps: 1 x Osram Duris S8 (GW P9LM21.EM)



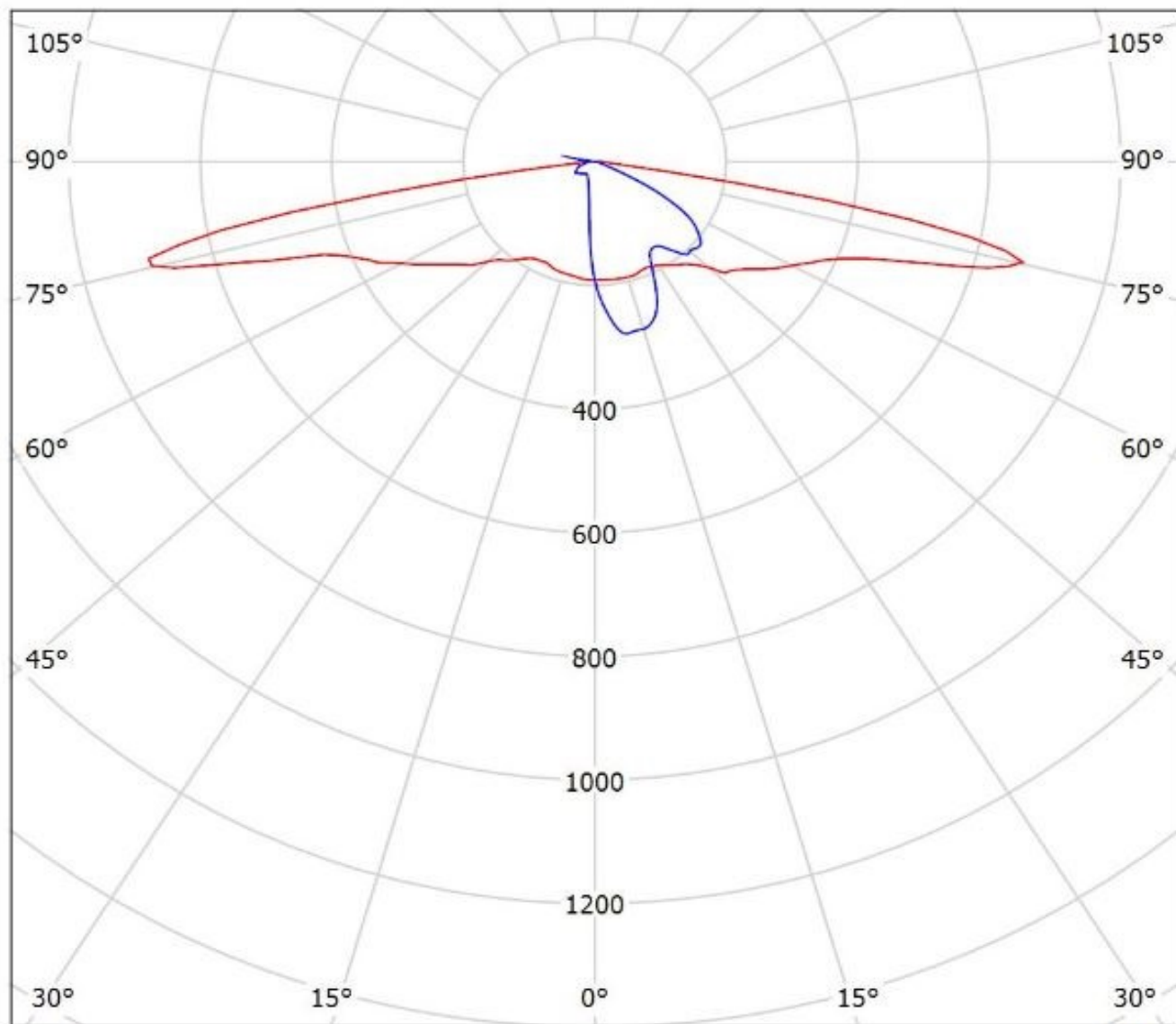
Ledil C15021_STRADA-2X2-SCL_(SQ-PC) / LDC (Polar)

Luminaire: Ledil C15021_STRADA-2X2-SCL_(SQ-PC)
Lamps: 1 x Osram_Oslon_Square-PC_2x2_(GW_CSSRM1.PC)
_421.516lm@250mA_CCT=5201K_P=2.8653W_I=0.25A



Luminaire: Ledil C15021_STRADA-2X2-SCL_(Square_Gen3)

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



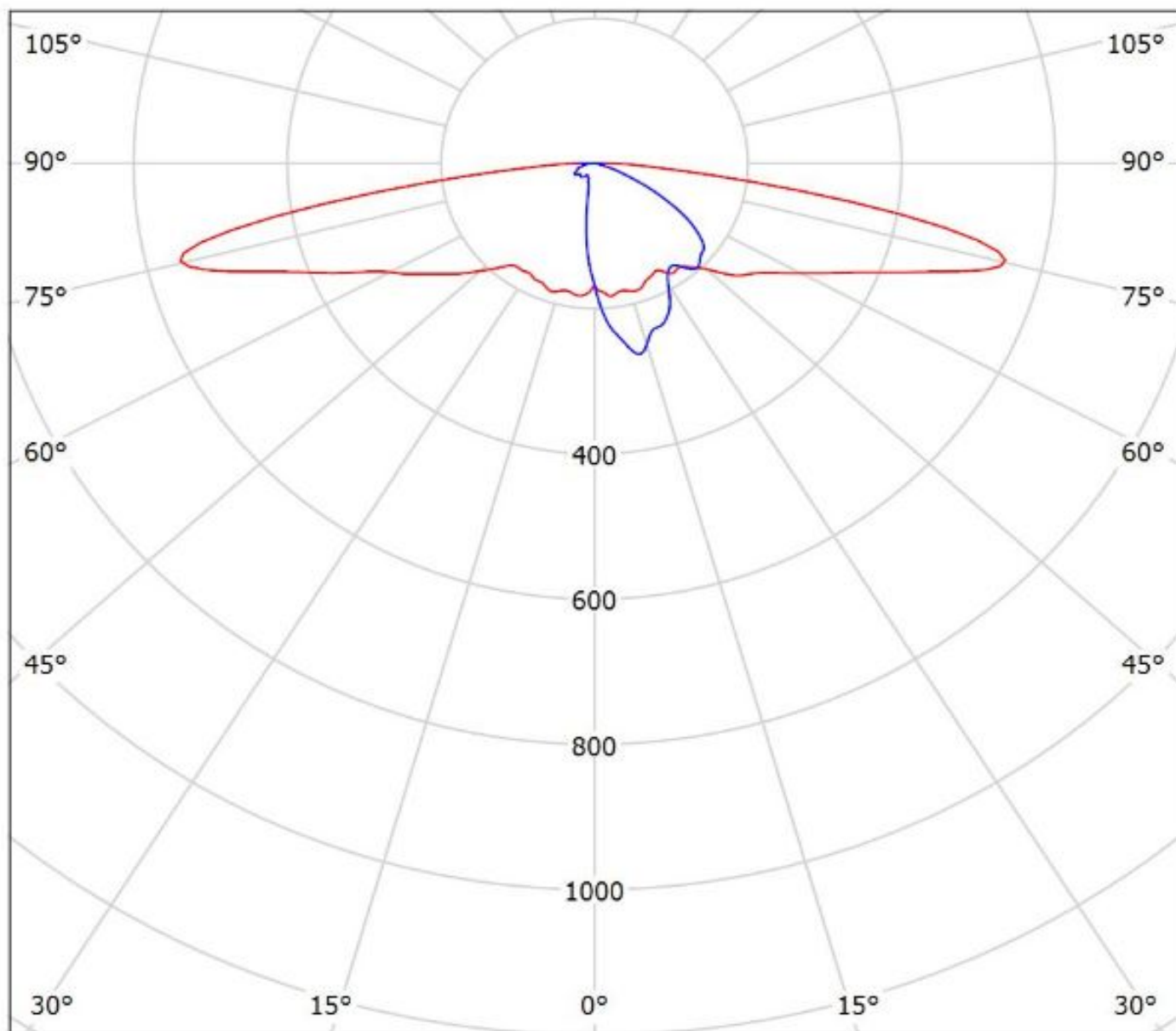
cd/klm

$\eta = 94\%$

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy C15021_STRADA-2X2-SCL_OSRAM_DURIS_P9_SIMULATED
Lamps: 1 x OSRAM DURIS P9

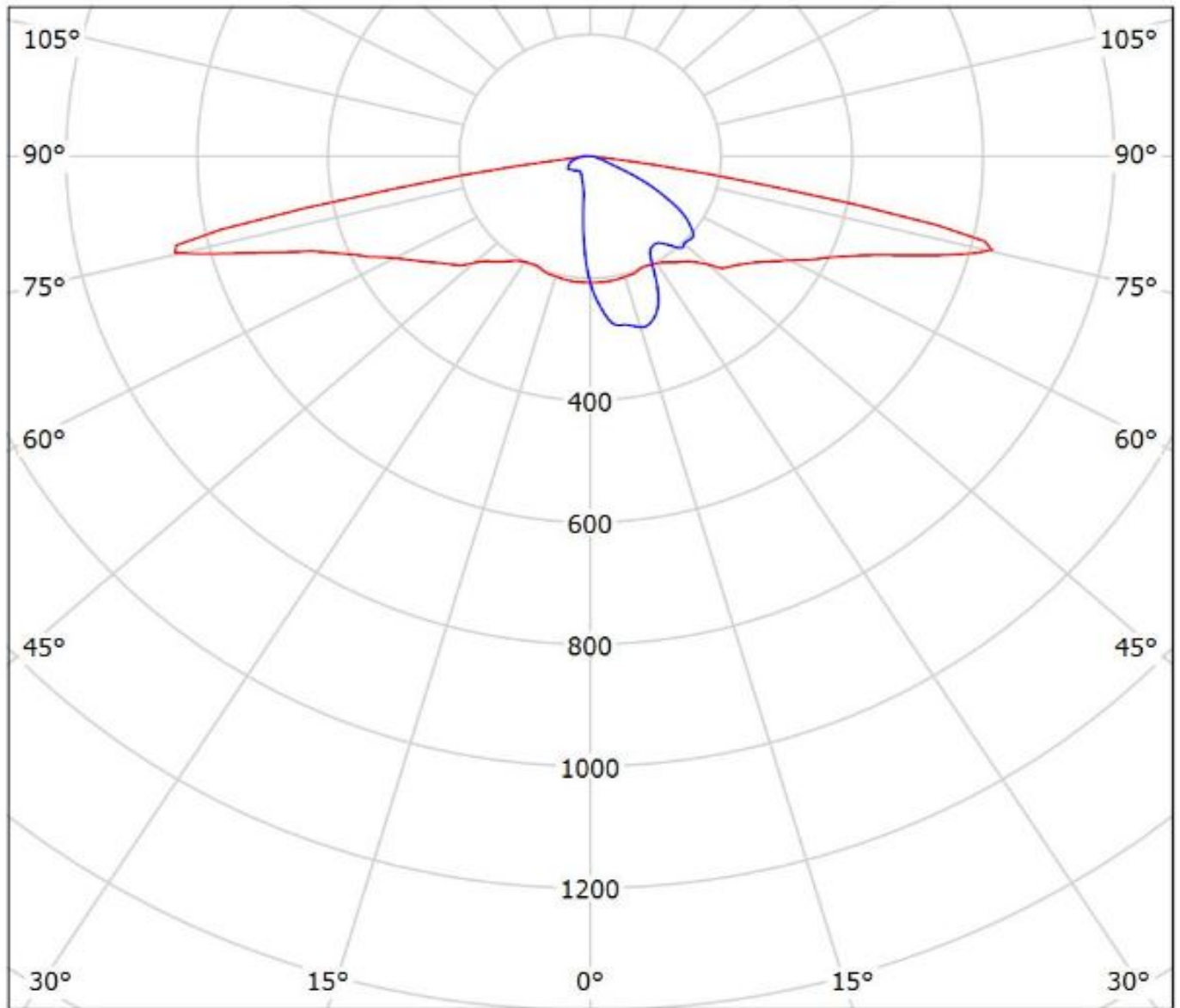


cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

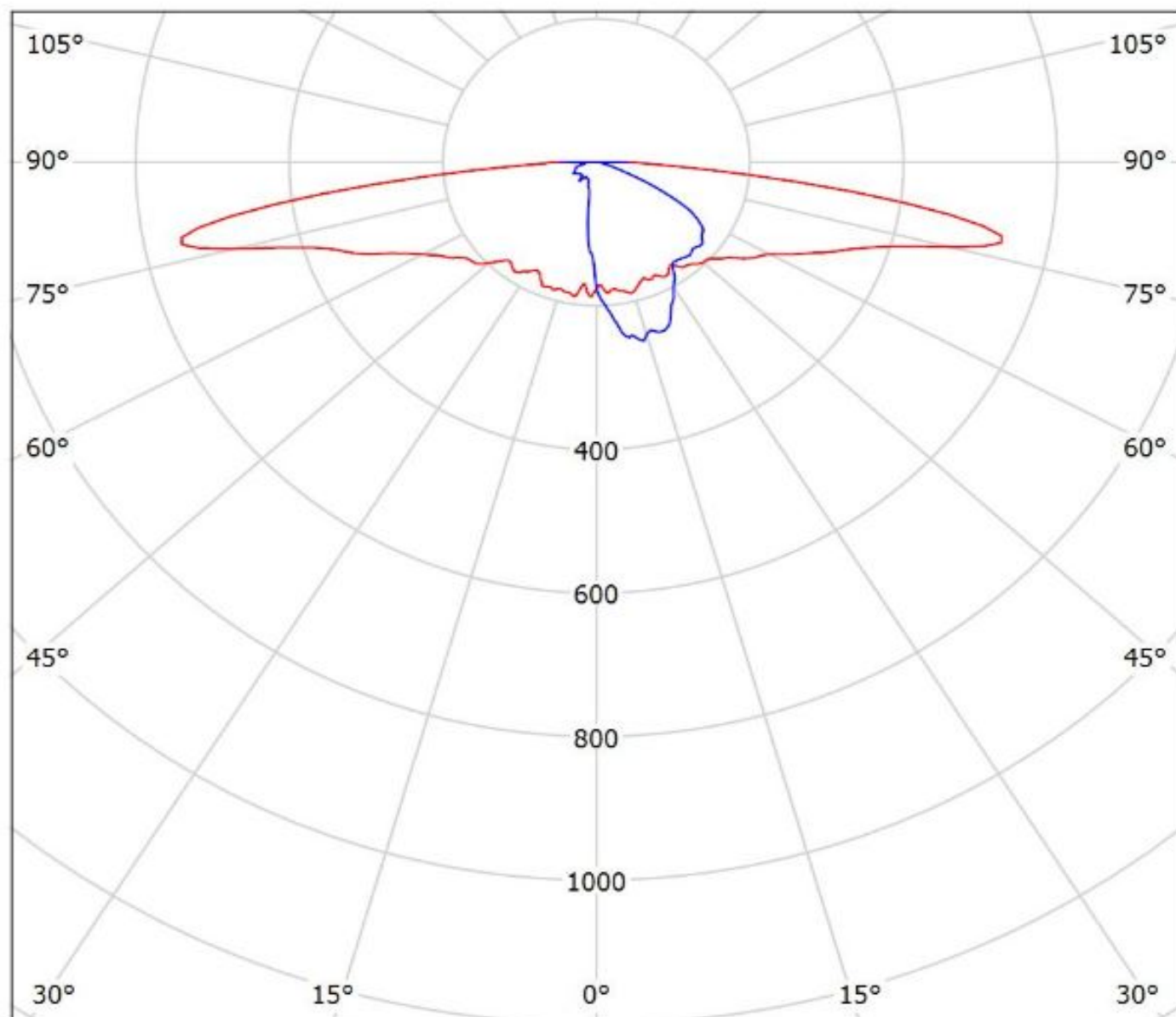
Luminaire: Ledil C15021_STRADA-2X2-SCL_(Fortimo_FastFlex_LED_board_2x8/740_DA_G3)
Lamps: 1 x Fortimo_FastFlex_LED_board_2x8/740_DA_G3_1828.23lm@250mA_P=11.667W_I=0.25A



cd/klm
— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: Ledil Oy C15021_STRADA-2X2-SCL_Fortimo FastFlex LED board 2x8 DAX G4_SIMULATED
Lamps: 1 x Fortimo FastFlex LED board 2x8 DAX G4



cd/klm

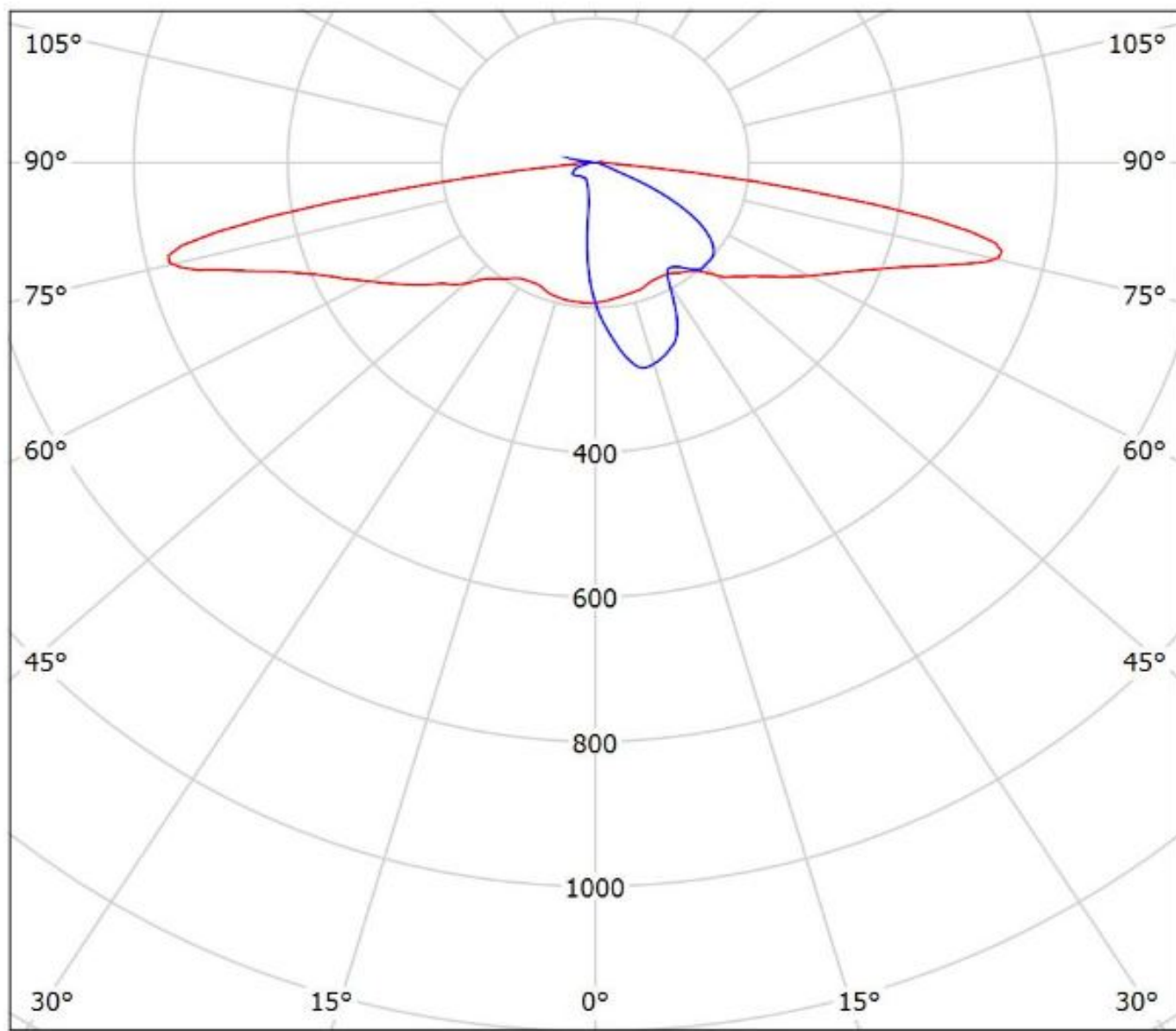
— C0 - C180

— C90 - C270

$\eta = 90\%$

Luminaire: Ledil C15021_STRADA-2X2-SCL_(LH351B)

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

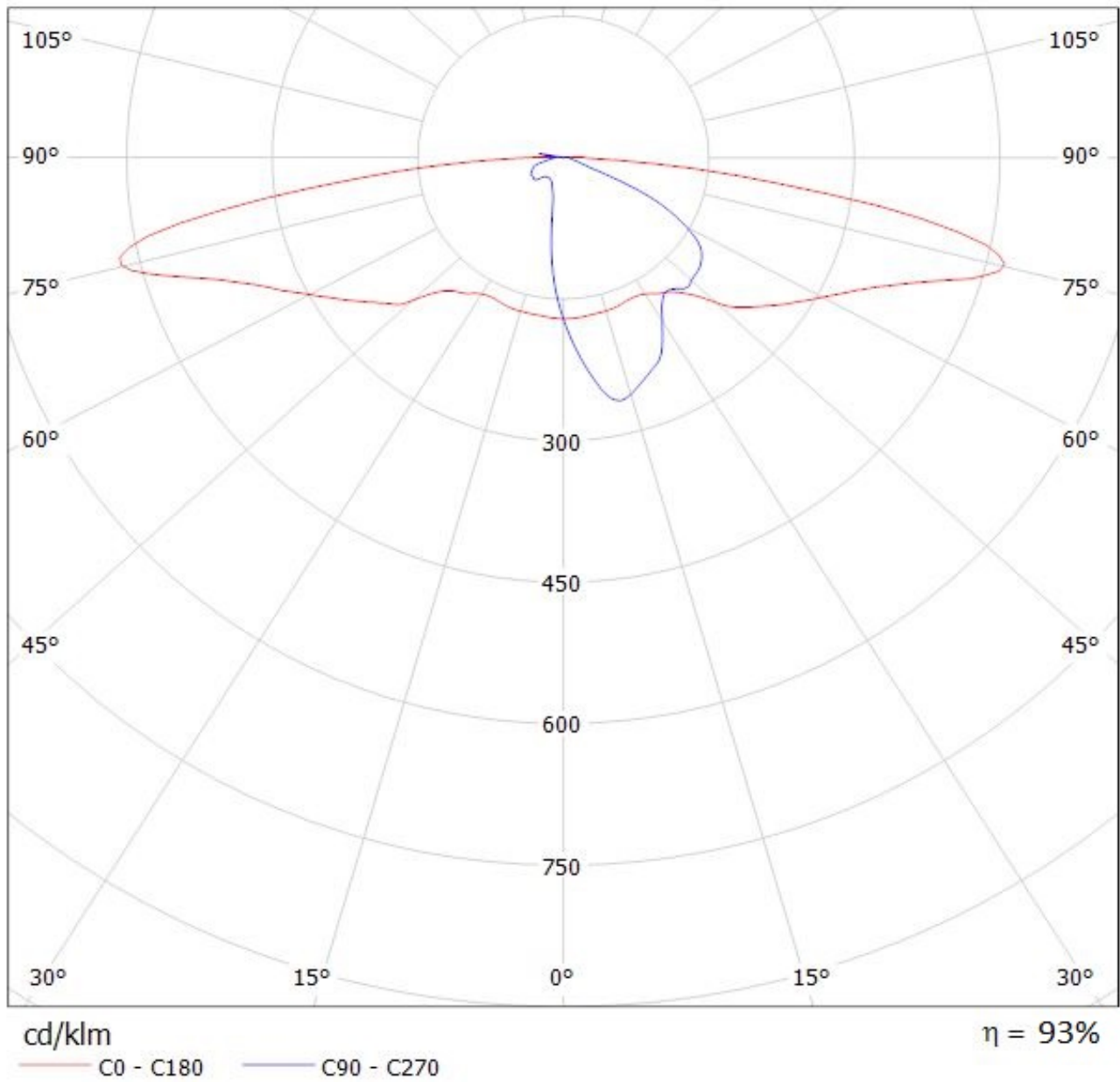


cd/klm

— C0 - C180 — C90 - C270

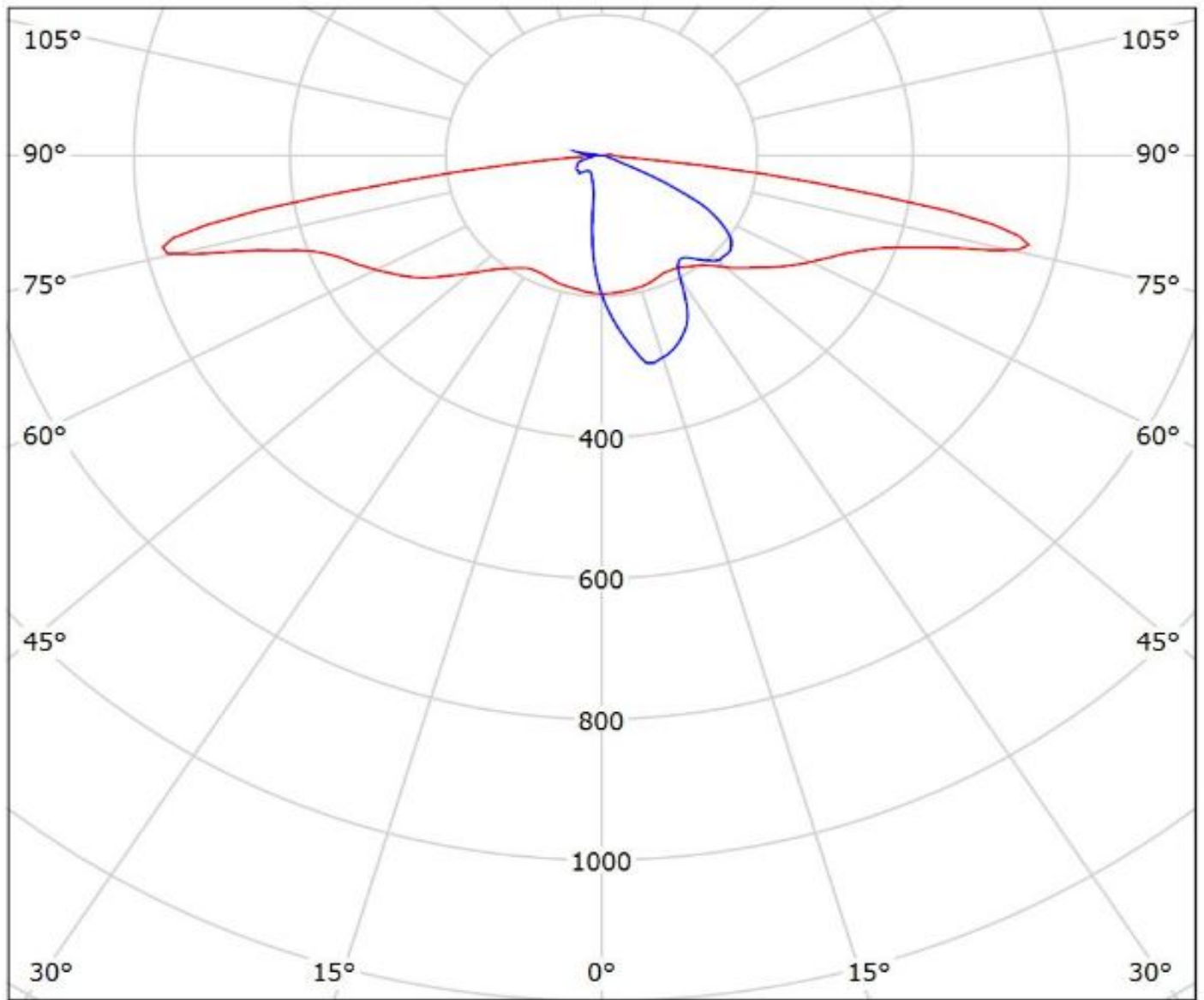
η = 95%

Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(LH351D)
Lamps: 1 x Samsung_LH351D_524.264lm@250mA_P=2.7523W_I=0.250A



Luminaire: Ledil C15021_STRADA-2X2-SCL_(LH351C)

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



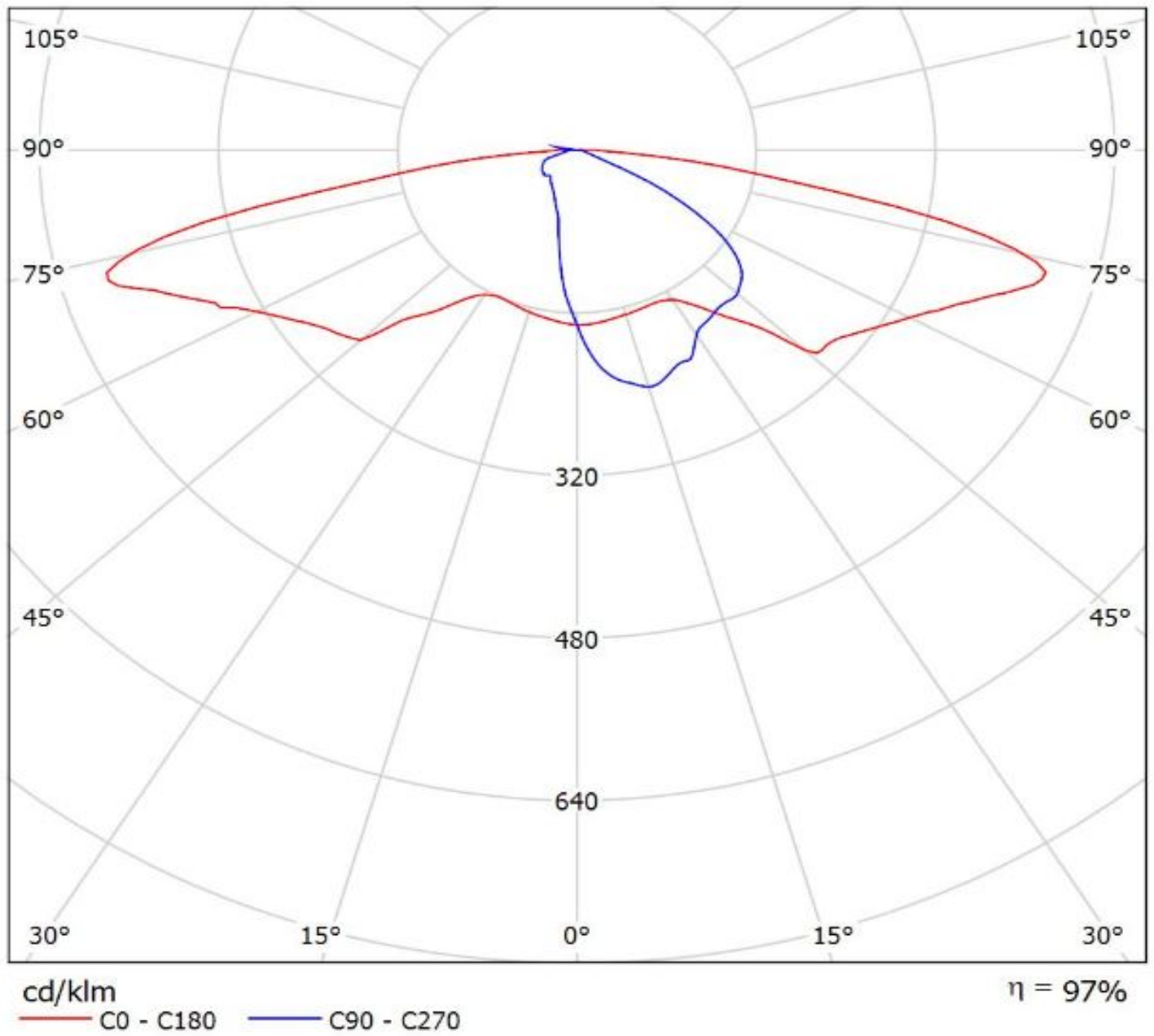
cd/klm

— C0 - C180 — C90 - C270

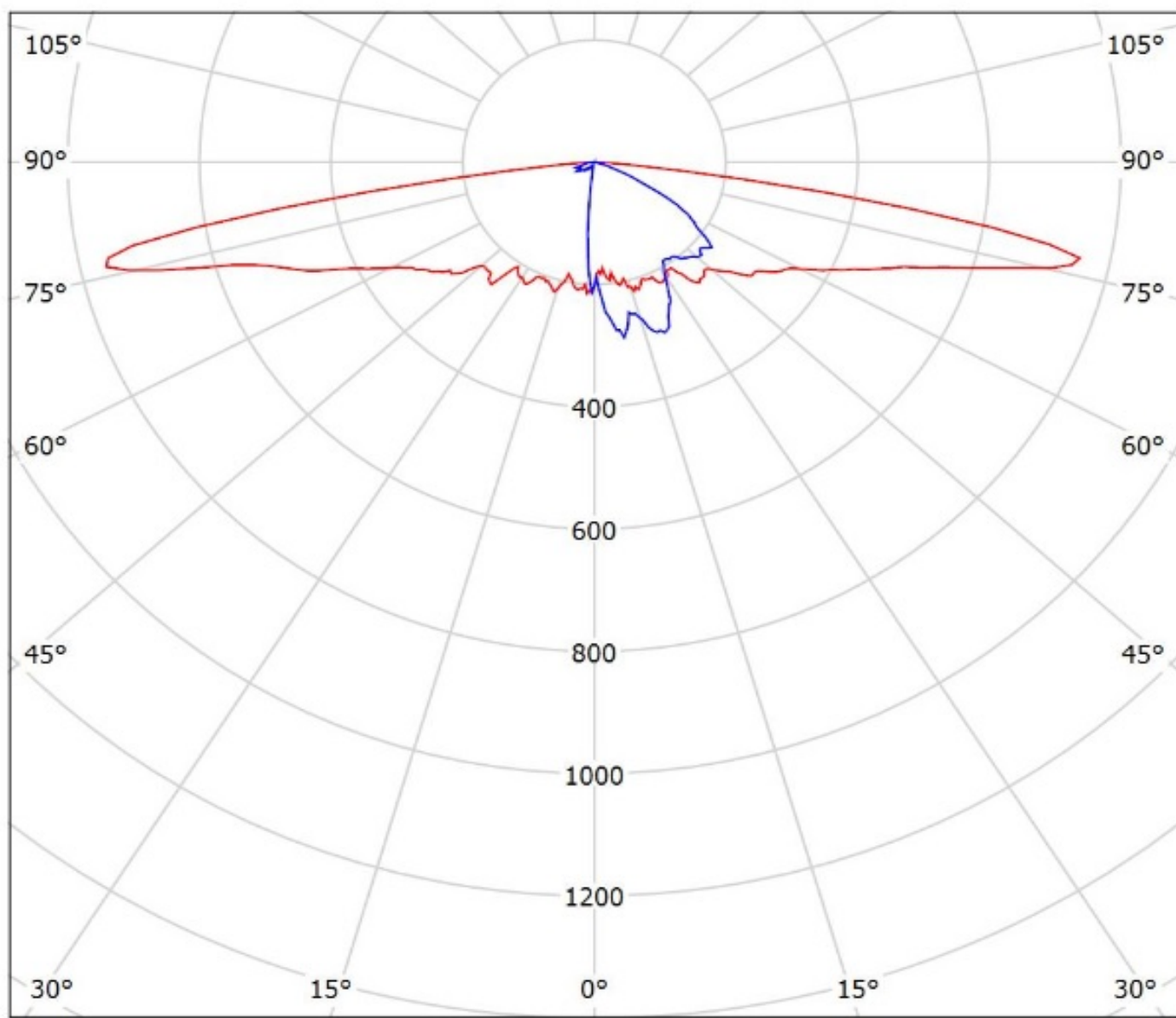
$\eta = 97\%$

Luminaire: Ledil C15021_STRADA-2X2-SCL_(LH508A)

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



Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Seoul_Z5M2
Lamps: 1 x



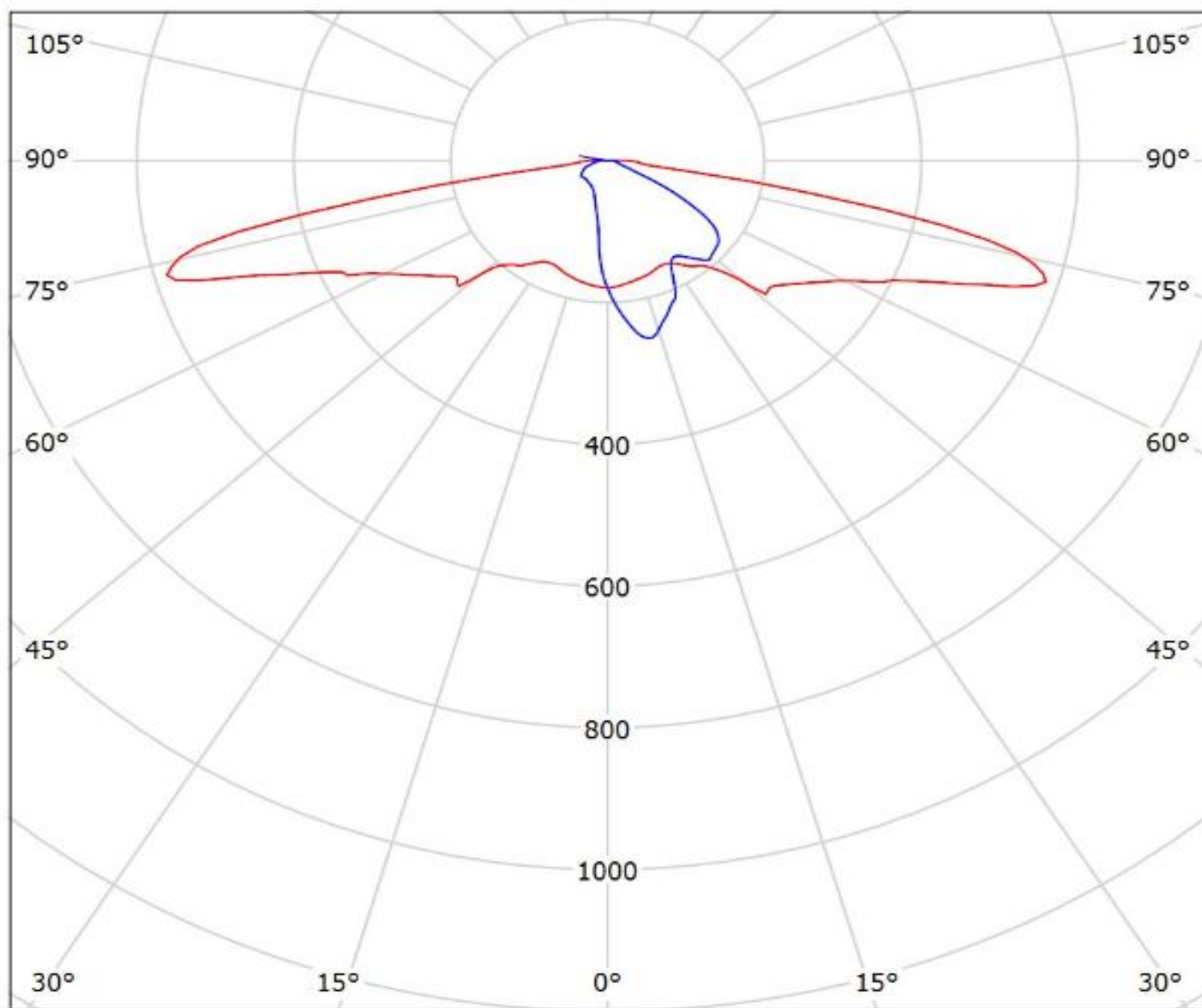
cd/klm

— C0 - C180 — C90 - C270

$\eta = 100\%$

Luminaire: Ledil C15021_STRADA-2X2-SCL (Z8Y22plus)

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



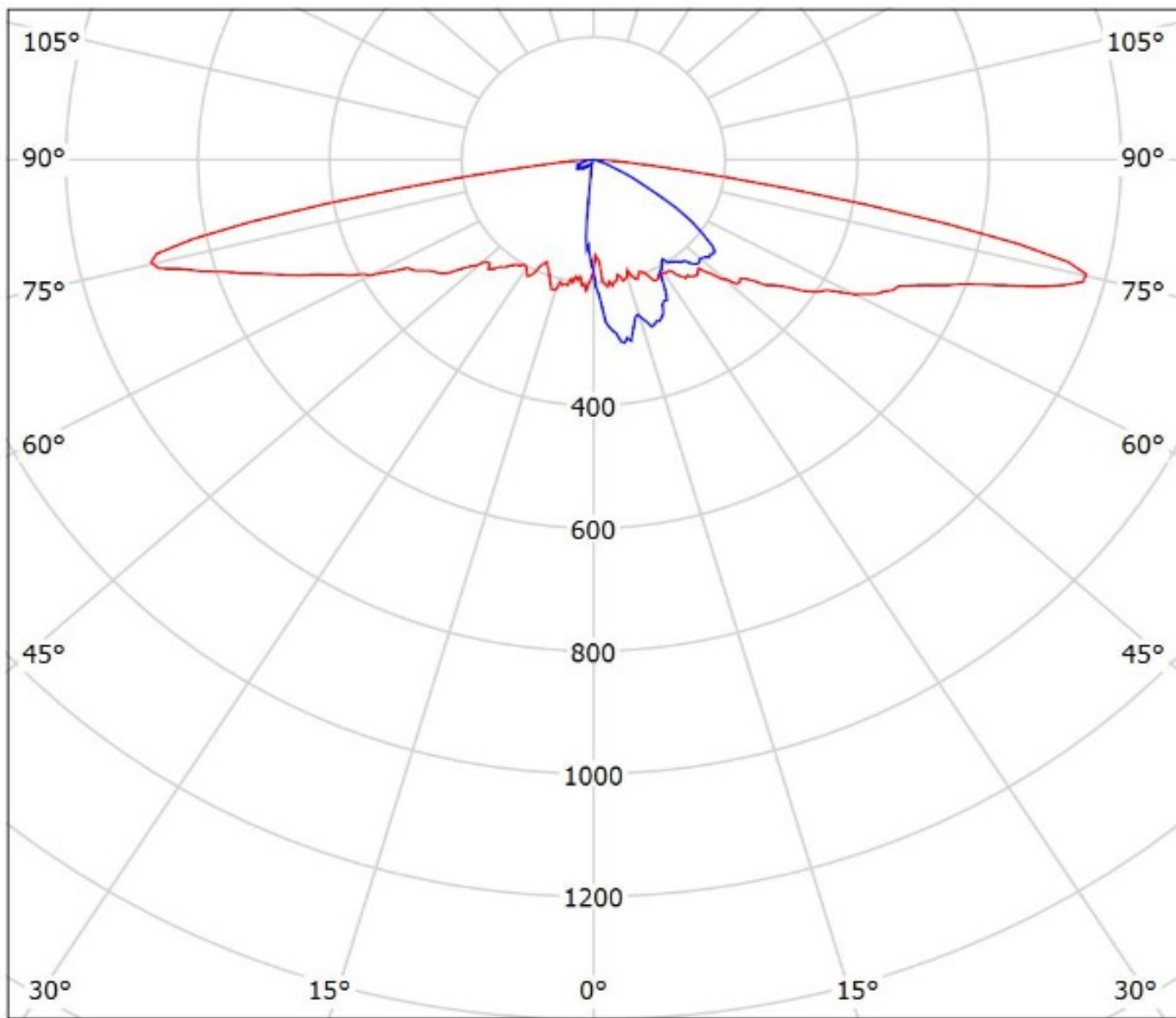
cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: SIMULATED_C15021_STRADA-2X2-SCL_Toshiba_TL1L4

Lamps: 1 x

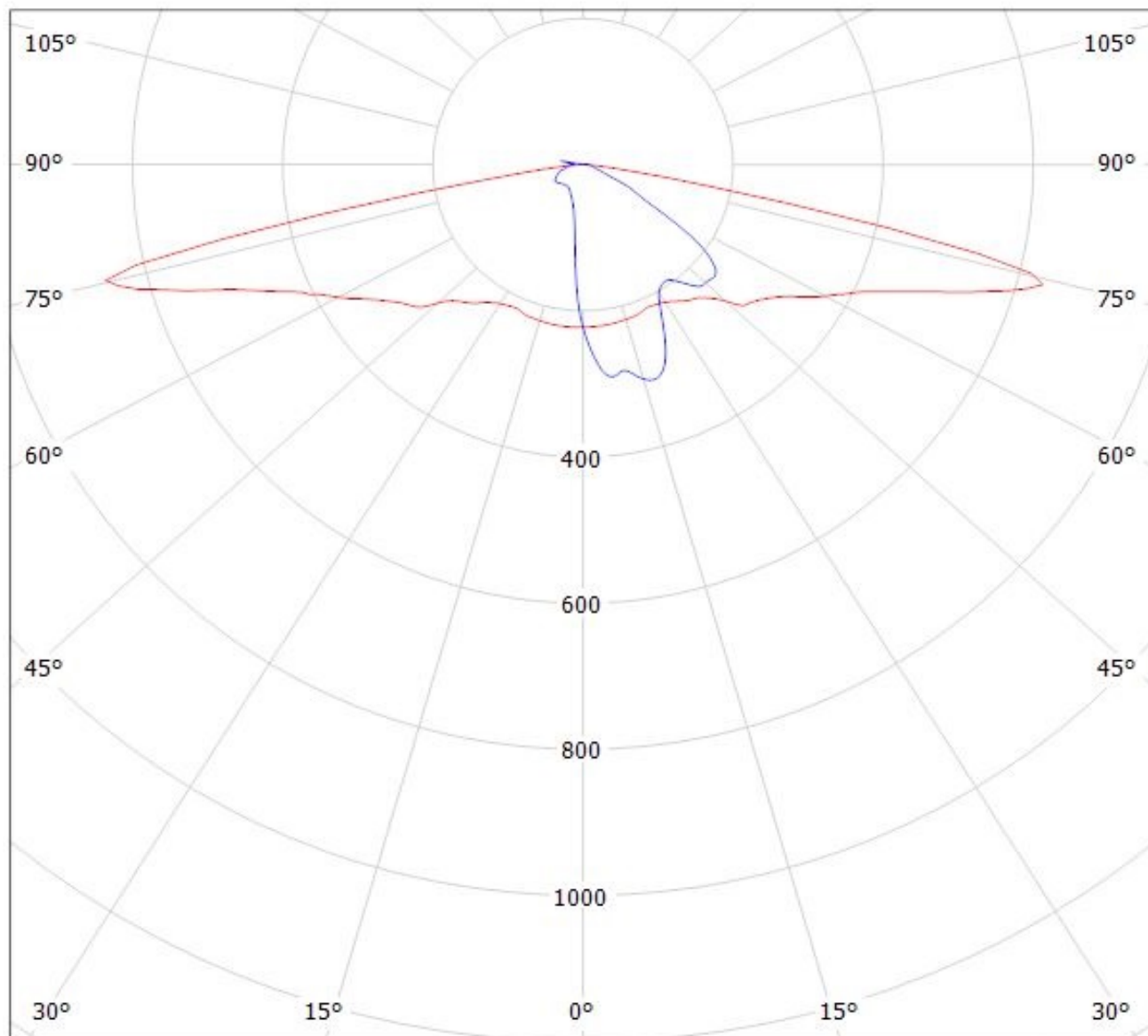


cd/klm

— C0 - C180 — C90 - C270

$\eta = 100\%$

Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A

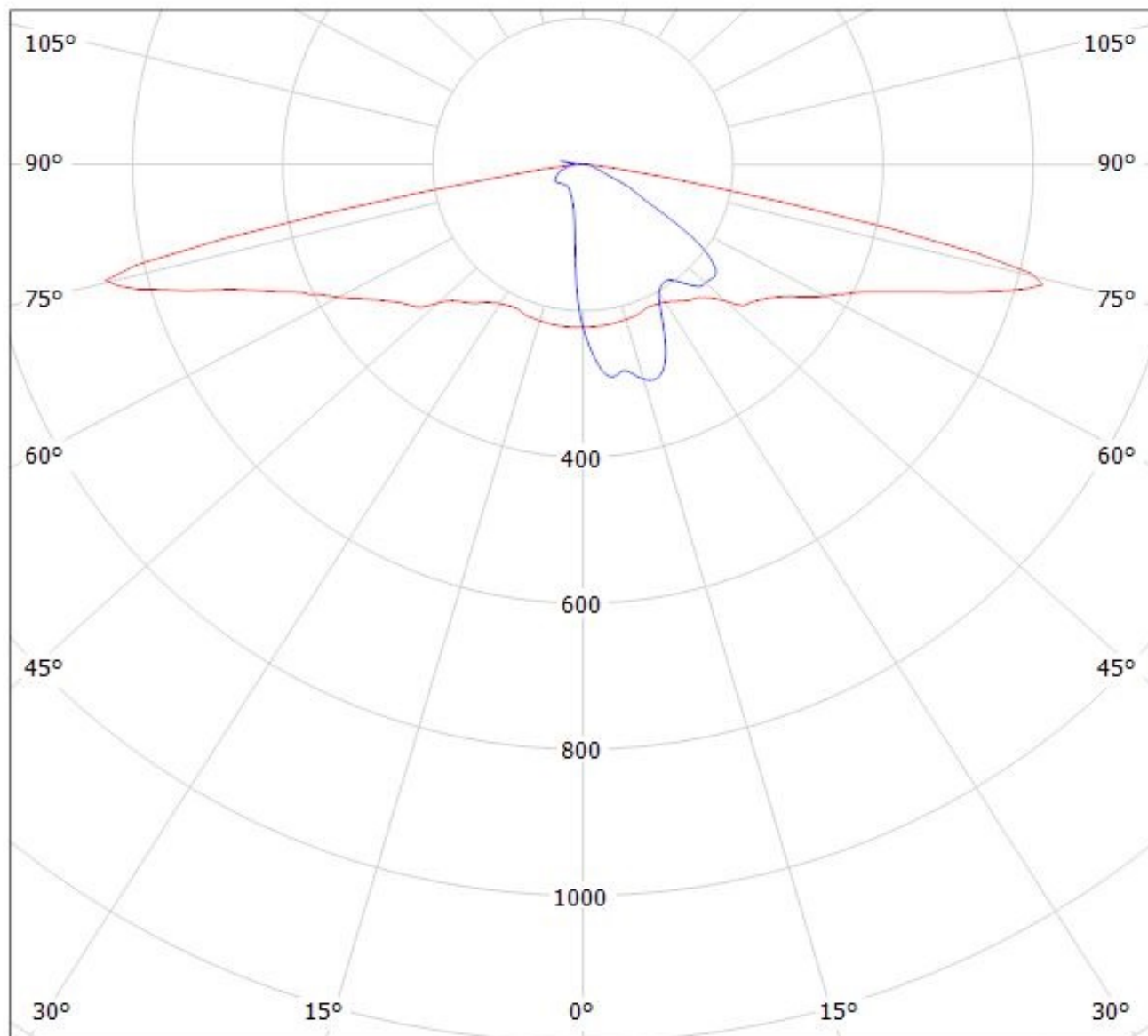


cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_4594.42lm@700mA_P=32.1515W_I=0.700A

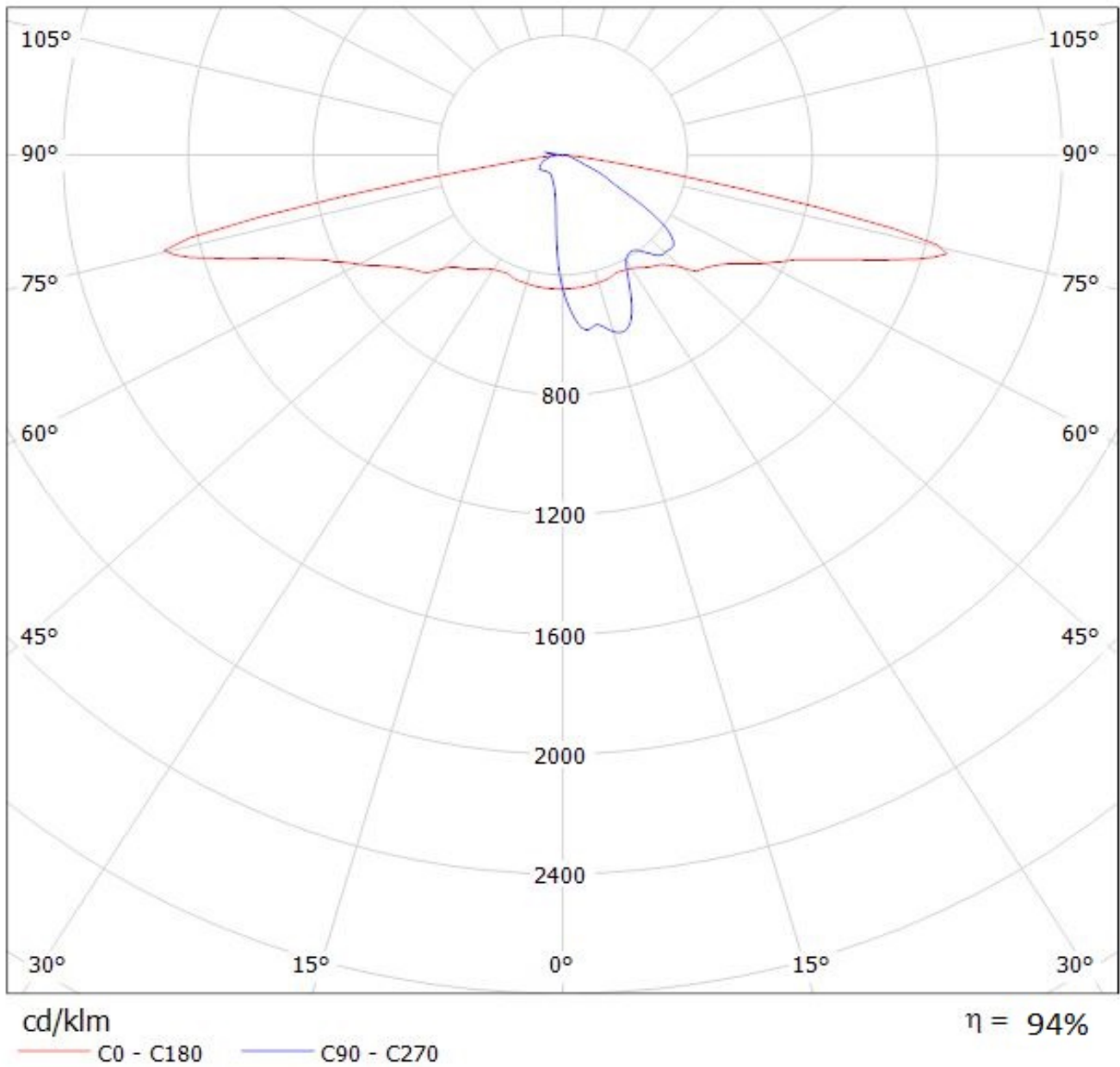


cd/klm

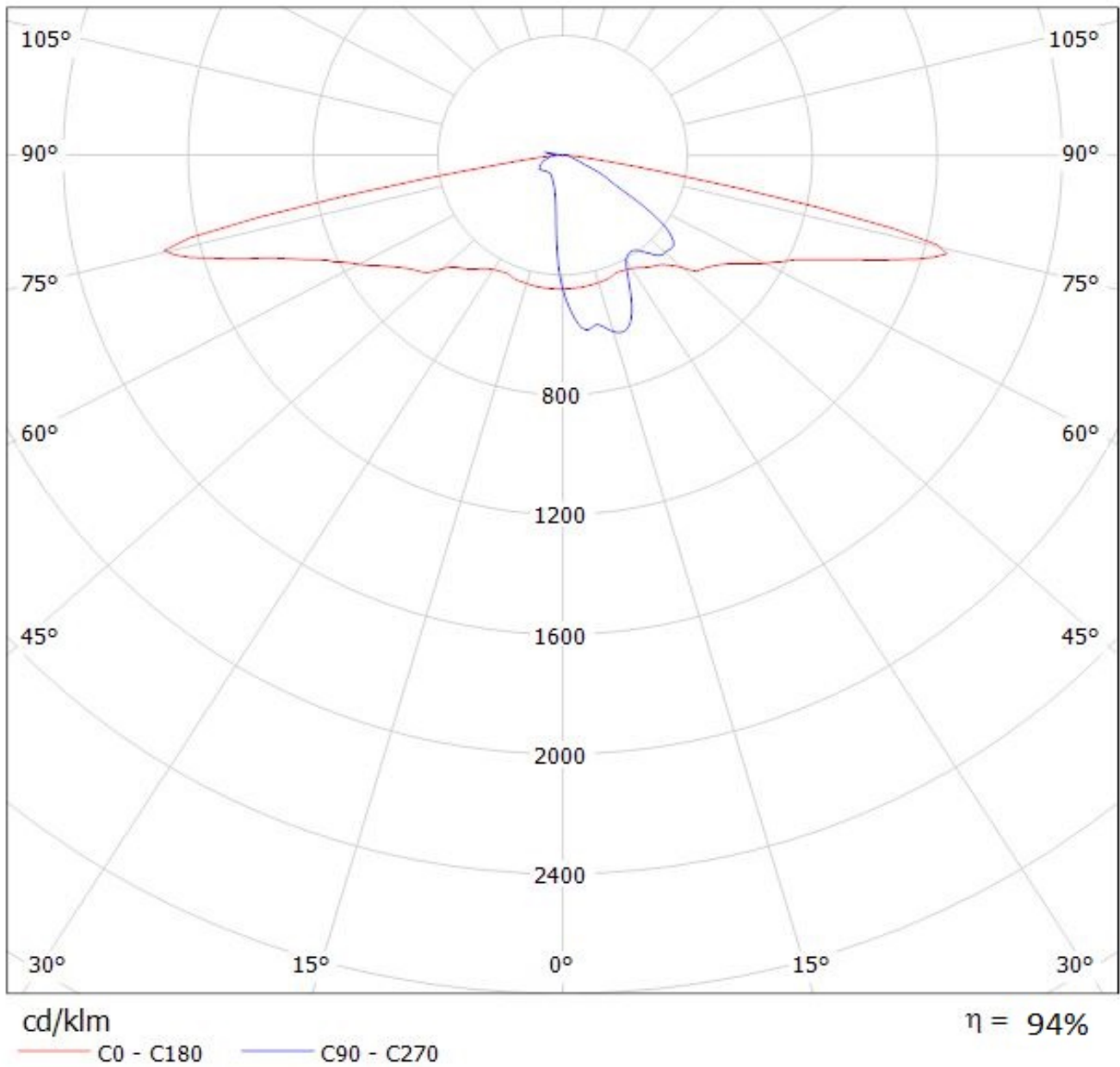
— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(Tridonic_Module_RLE_G1)
Lamps: 1 x Tridonic_Module_RLE_G1_2288lm@700mA_P=16W_I=0.700A



Luminaire: LEDiL Oy C15021_STRADA-2X2-SCL_(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.