

DETAILS

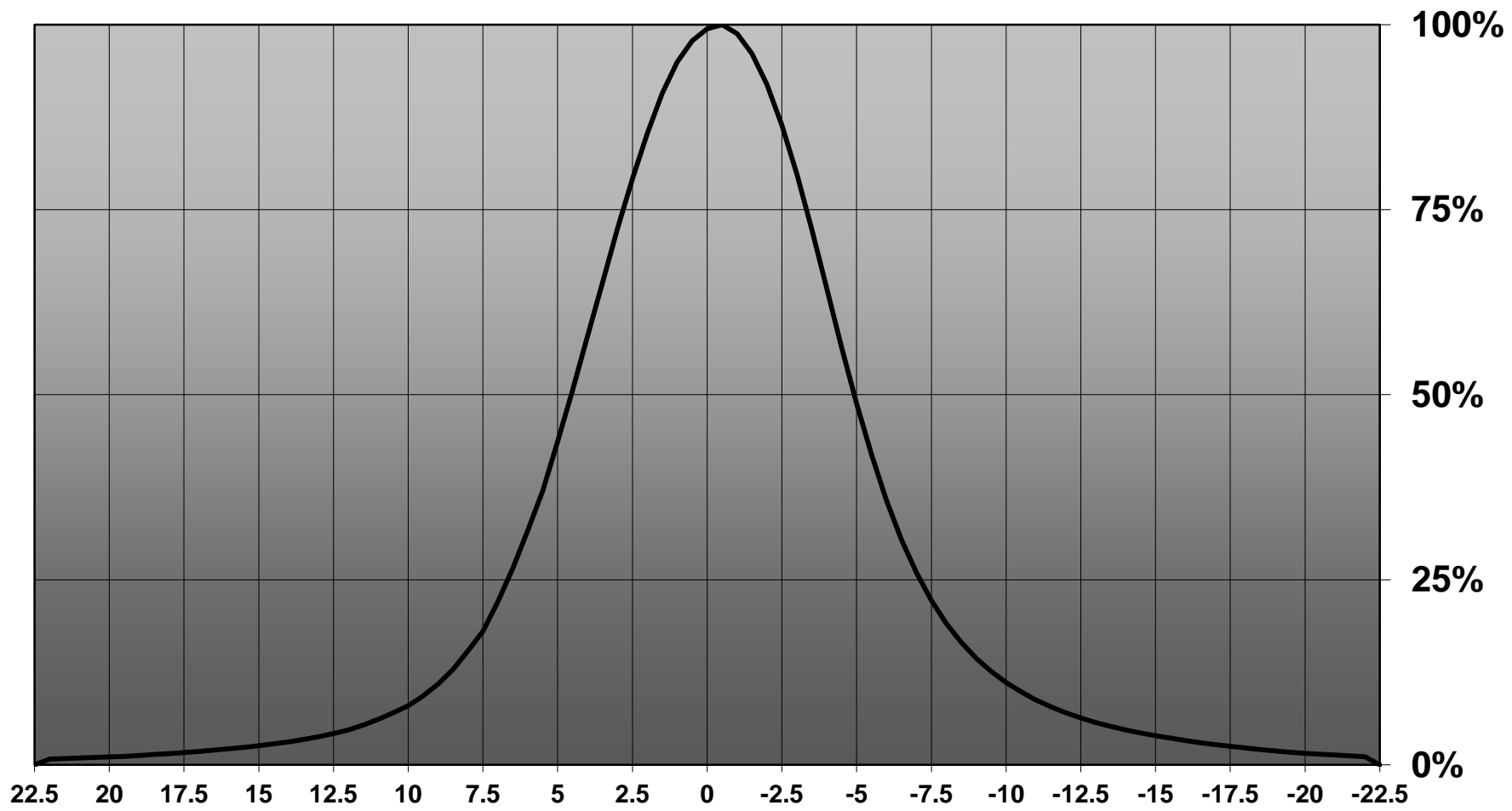
| | |
|------------------------|------------------|
| Product Number | CA12062_EMILY-D |
| Family | Emily |
| Type | Assembly |
| Color | clear |
| Diameter | 26 mm |
| Height | 14,9 mm |
| Style | round |
| Optic Material | PMMA |
| Holder Material | |
| Fastening | tape, pin |
| Status | production ready |
| ROHS Compliant | Yes |
| Date Updated | 13/06/2016 |

OPTICAL PROPERTIES

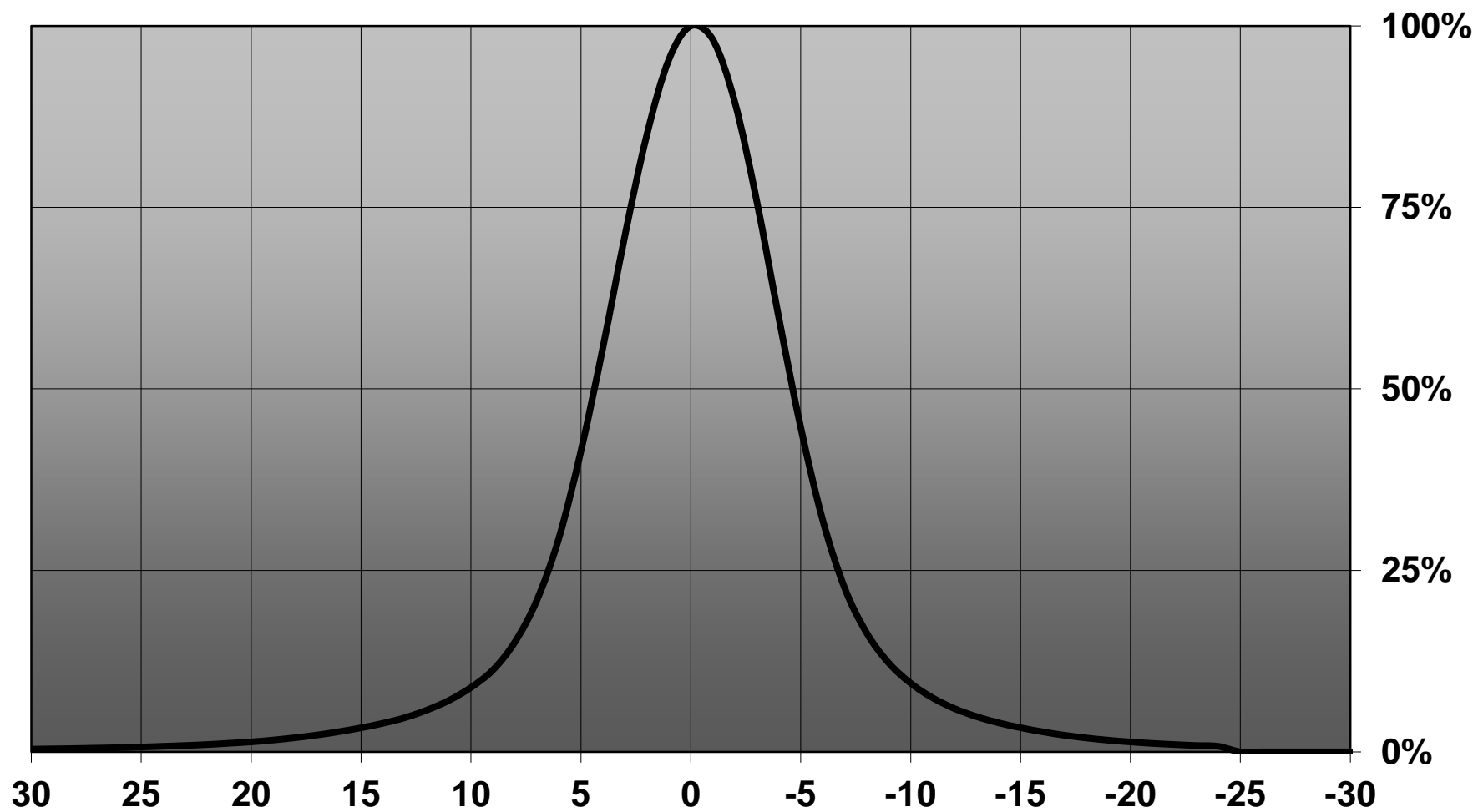
| LED | Viewing Angle | Light Beam | Efficiency | cd/lm | Connector |
|-----------------|---------------|------------|------------|--------------|-----------|
| XM-L | 14 deg | Diffuser | 90 % | 10.100 | - |
| XM-L HVW | sim: 14 | Diffuser | 88 % | 9.400 | - |
| XT-E | 9 deg | Diffuser | - | 14.000 | - |
| XM-L2 | 14 deg | Diffuser | 90 % | 10.200 | - |
| XP-G2 | 10 deg | Diffuser | 90 % | 20.800 | - |
| XP-E2 | 8 deg | Diffuser | 87 % | 27.300 | - |
| XP-L | 13 deg | Diffuser | 90 % | 10.200 | - |
| XB-H | 10 deg | Diffuser | 89 % | 17.500 | - |
| XP-L HI | 9 deg | Diffuser | 87 % | 20.000 | - |
| XHP35 HI | 11 deg | Diffuser | 92 % | 14.500 | - |
| LUXEON Rebel ES | 10 deg | Diffuser | 91 % | sim: 26.600- | - |
| LUXEON A | 11 deg | Diffuser | 91 % | - | - |
| NS9x383 | 14 deg | Diffuser | 90 % | 7.900 | - |
| Oslon Square EC | 9 deg | Diffuser | 86 % | 20.060 | - |
| LH351B | 12 deg | Diffuser | 88 % | 14.000 | - |
| LH351Z | 10 deg | Diffuser | 88 % | 20.000 | - |
| Z5M1/Z5M2 | 10 deg | Diffuser | 94 % | 18.200 | - |
| Z8Y22P | 11 deg | Diffuser | 93 % | 11.300 | - |



Relative intensity of CA12062_EMILY-D (XP-G2)



Relative intensity of CA12062_EMILY-D_(SQ EC)



D

C

B

A

4

4

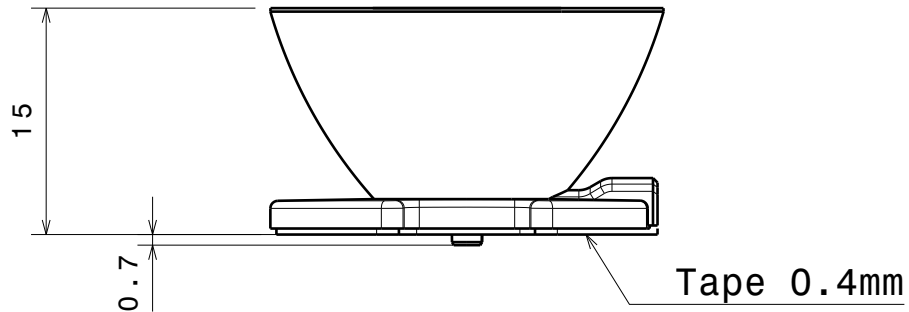
Beam direction Emily-0-90

Beam direction Emily-0

Bottom view

3

3



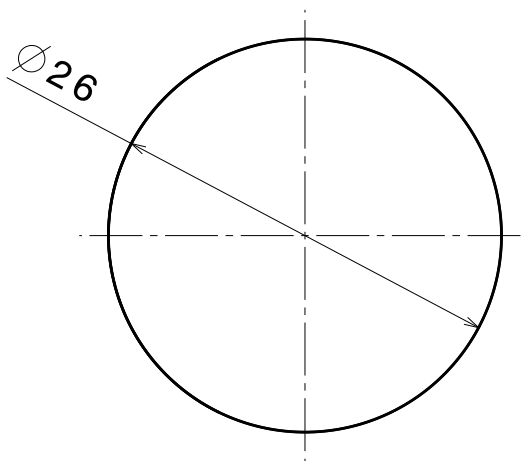
Front view

2

2

Material:
 Lens: PMMA
 Tape: PU Foam with adhesive

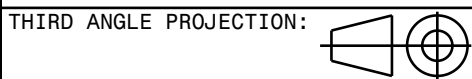
Part no.s:
 CA12062_Emily-SS
 CA12064_Emily-M
 CA12066_Emily-0
 CA12068_Emily-0-90
 CA12070_Emily-M2



Top view

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



DRAWING TITLE
Datasheet Emily-RE-ES series lens

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SIZE PART NUMBER
A4

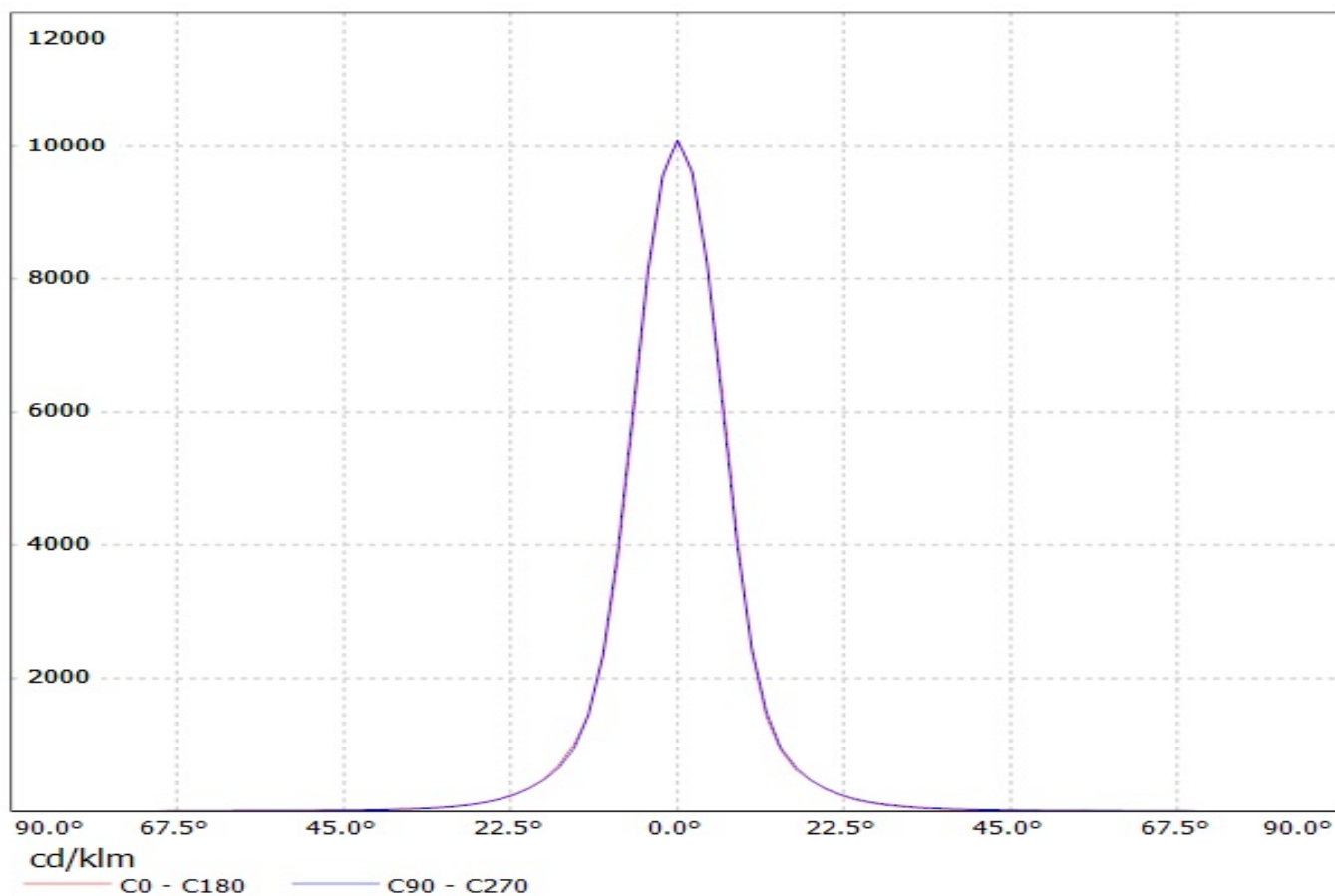
SCALE 2:1 WEIGHT SHEET 1/1

D

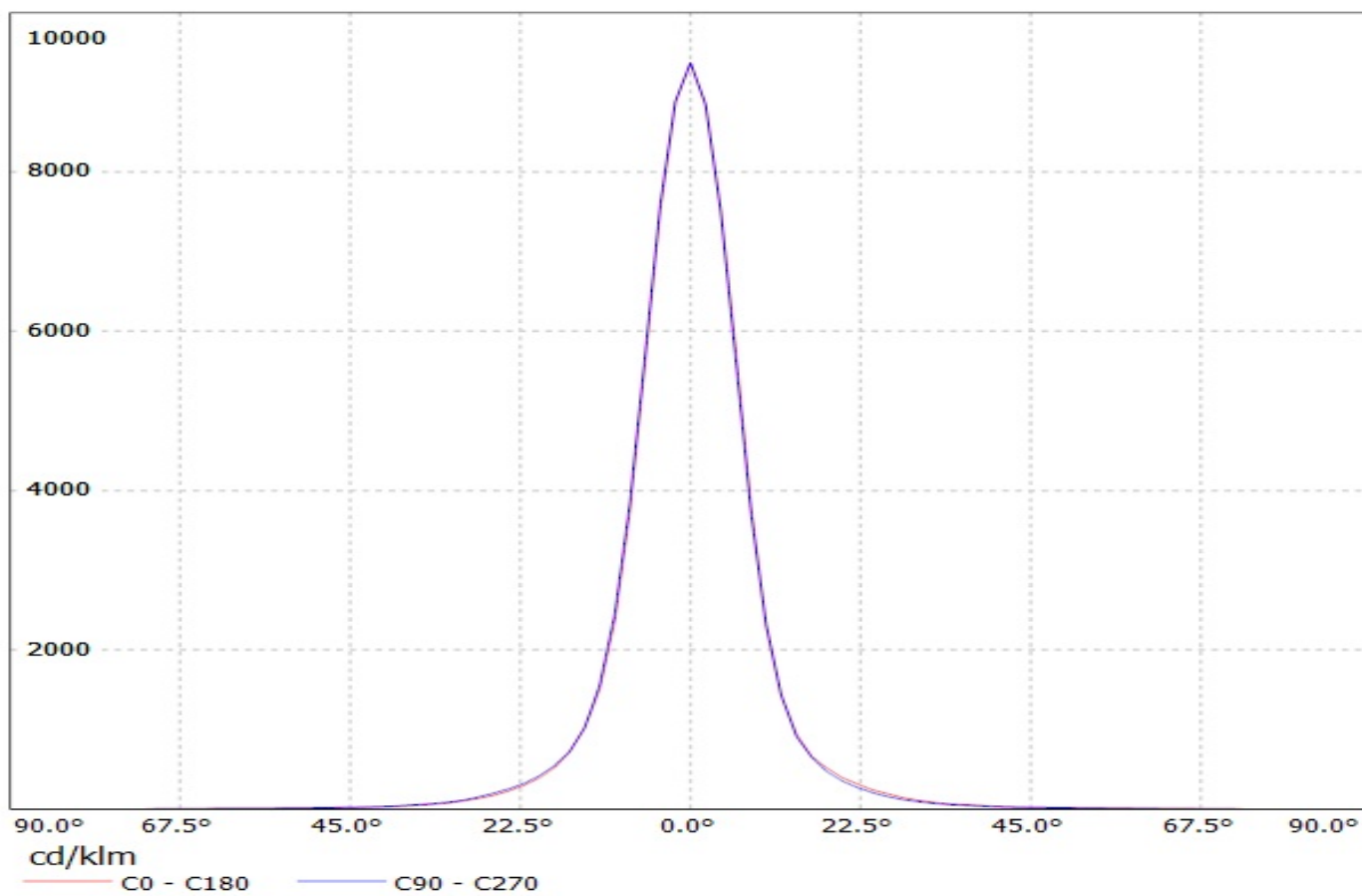
A

1

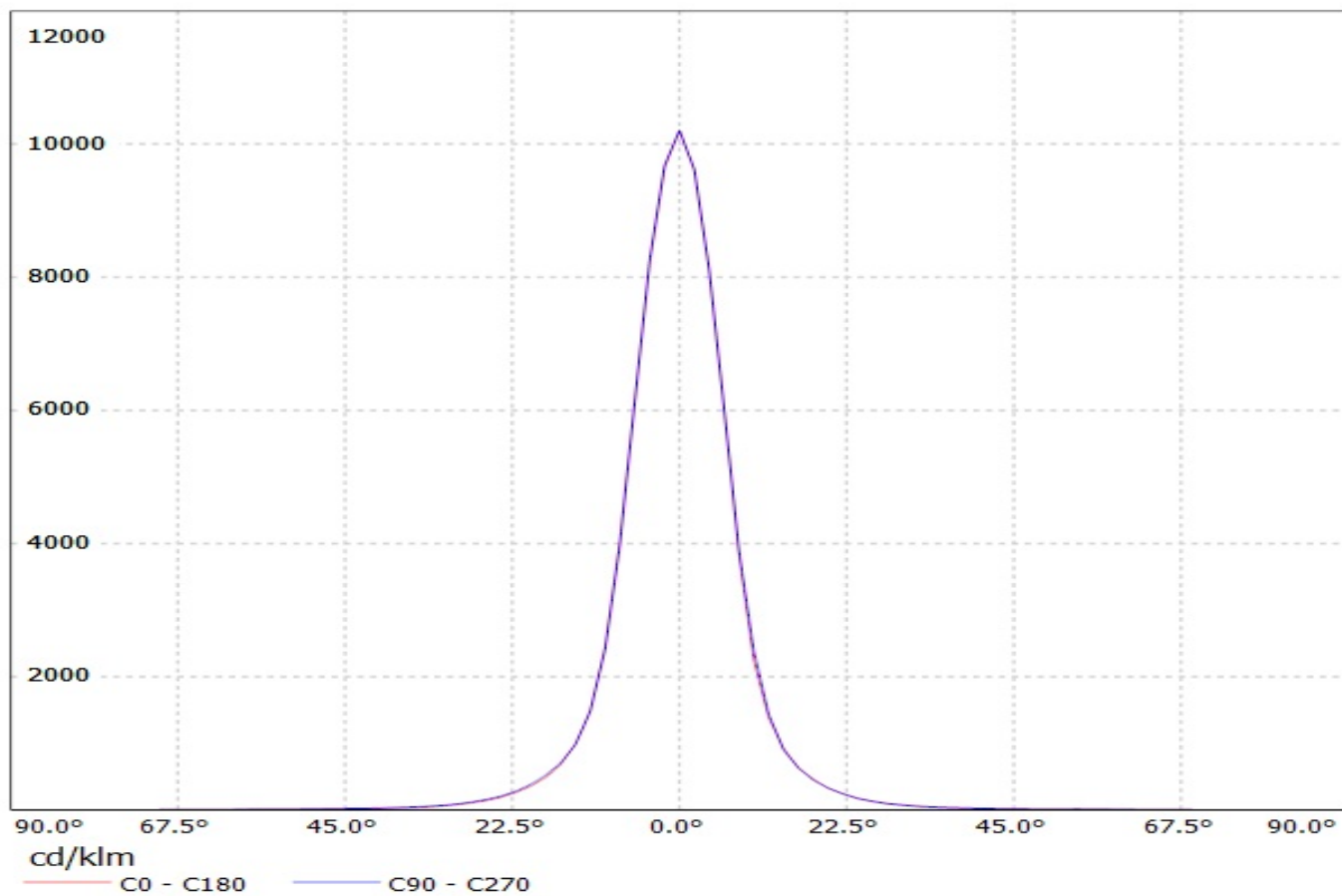
Luminaire: Ledil Oy CA12062_EMILY-D (Cree XM-L 92lm @ 250mA) Efficiency=90%
Lamps: 1 x Cree XM-L 92lm @ 250mA



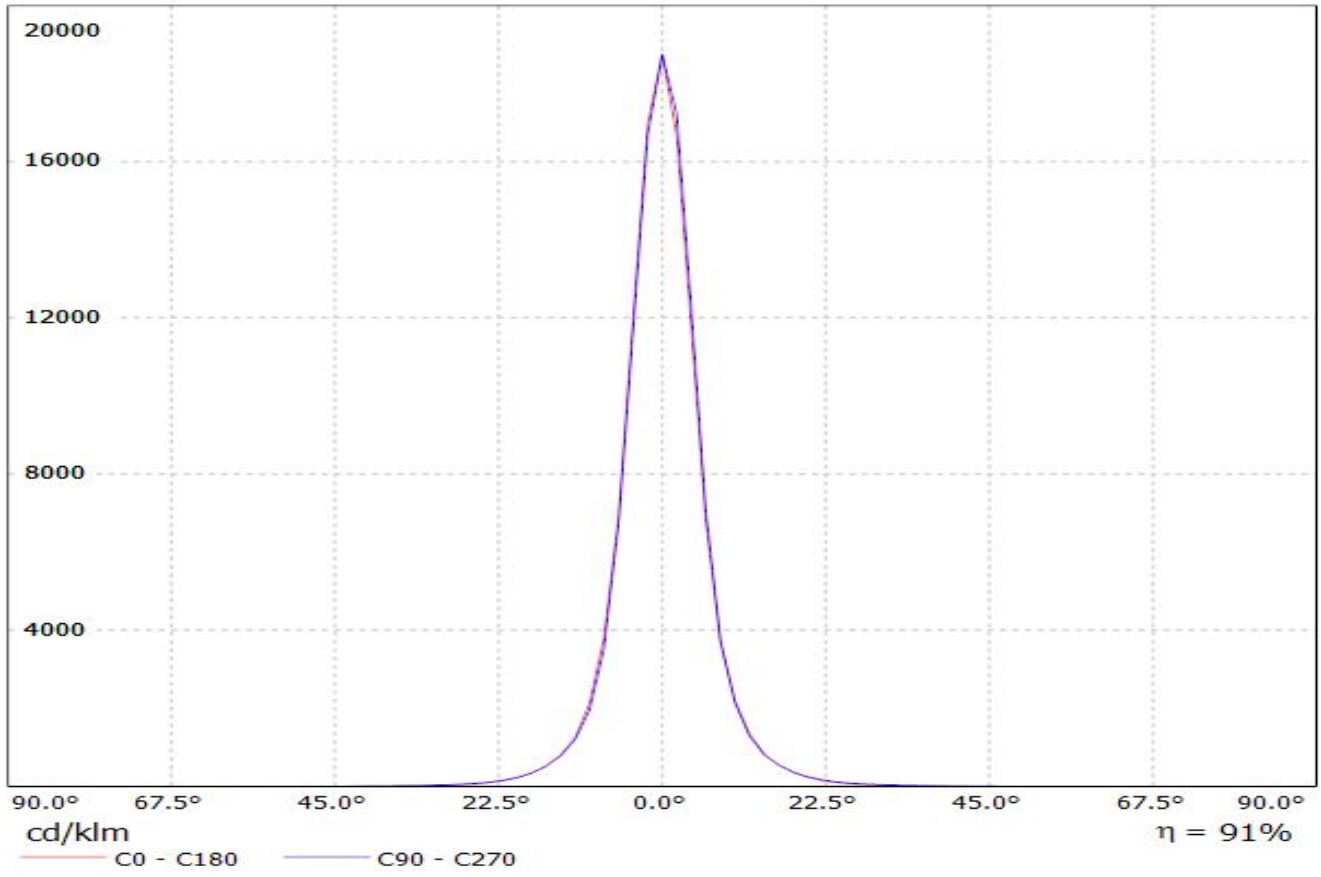
Luminaire: Ledil Oy CA12062_EMILY-D (Cree XM-L HVW 285lm 50mA) Efficiency=88%
Lamps: 1 x Cree XM-L HVW 285lm 50mA



Luminaire: Ledil Oy CA12062_EMILY-D (Cree XM-L2 105lm @ 250mA) Efficiency=90%
Lamps: 1 x Cree XM-L2 105lm @ 250mA

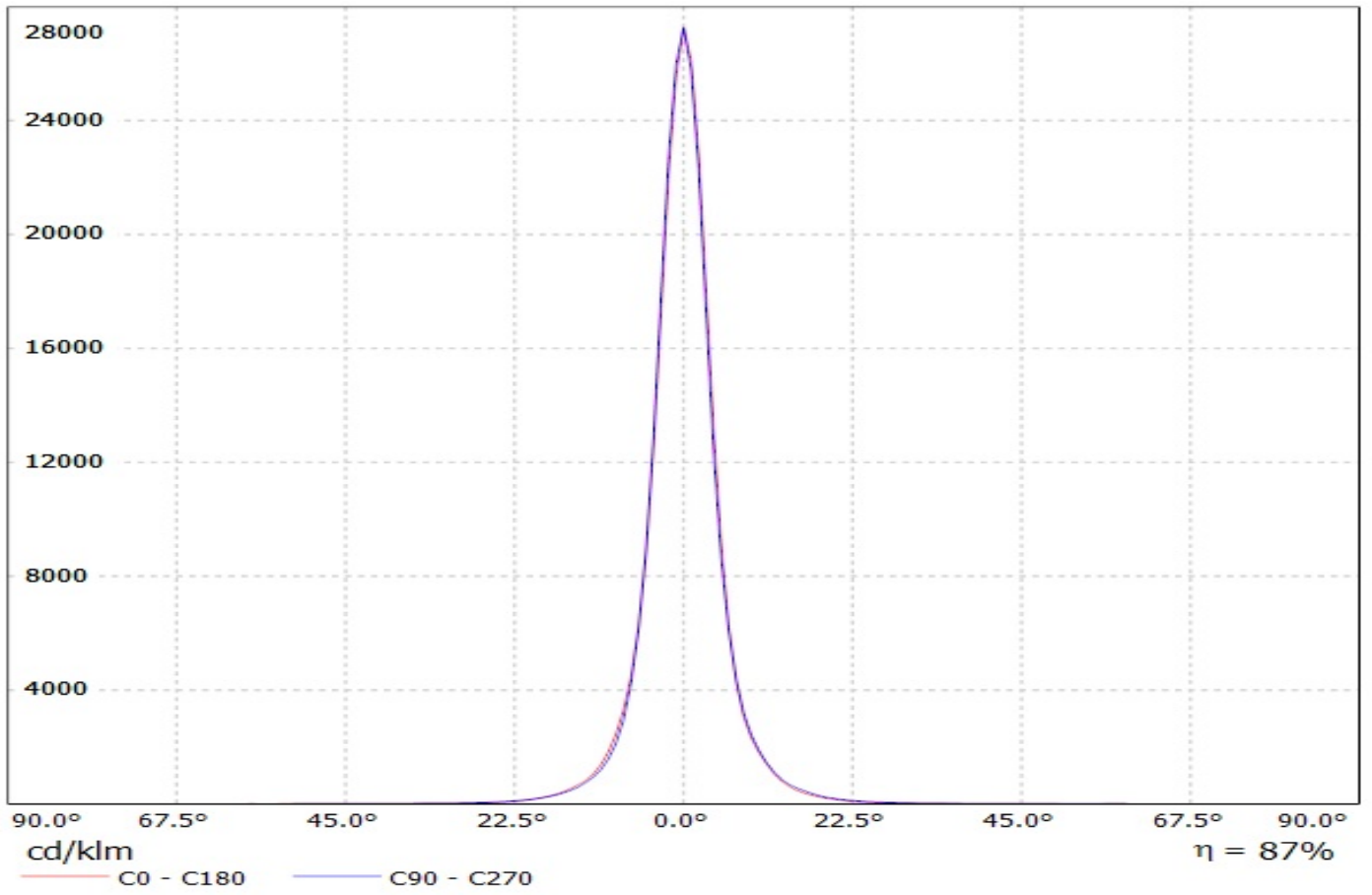


Luminaire: Ledil Oy CA12062_EMILY-D_(XP-G2) Efficiency=90%
Lamps: 1 x Cree XP-G2 103lm @ 250mA CCT= P=0.80W I=250mA

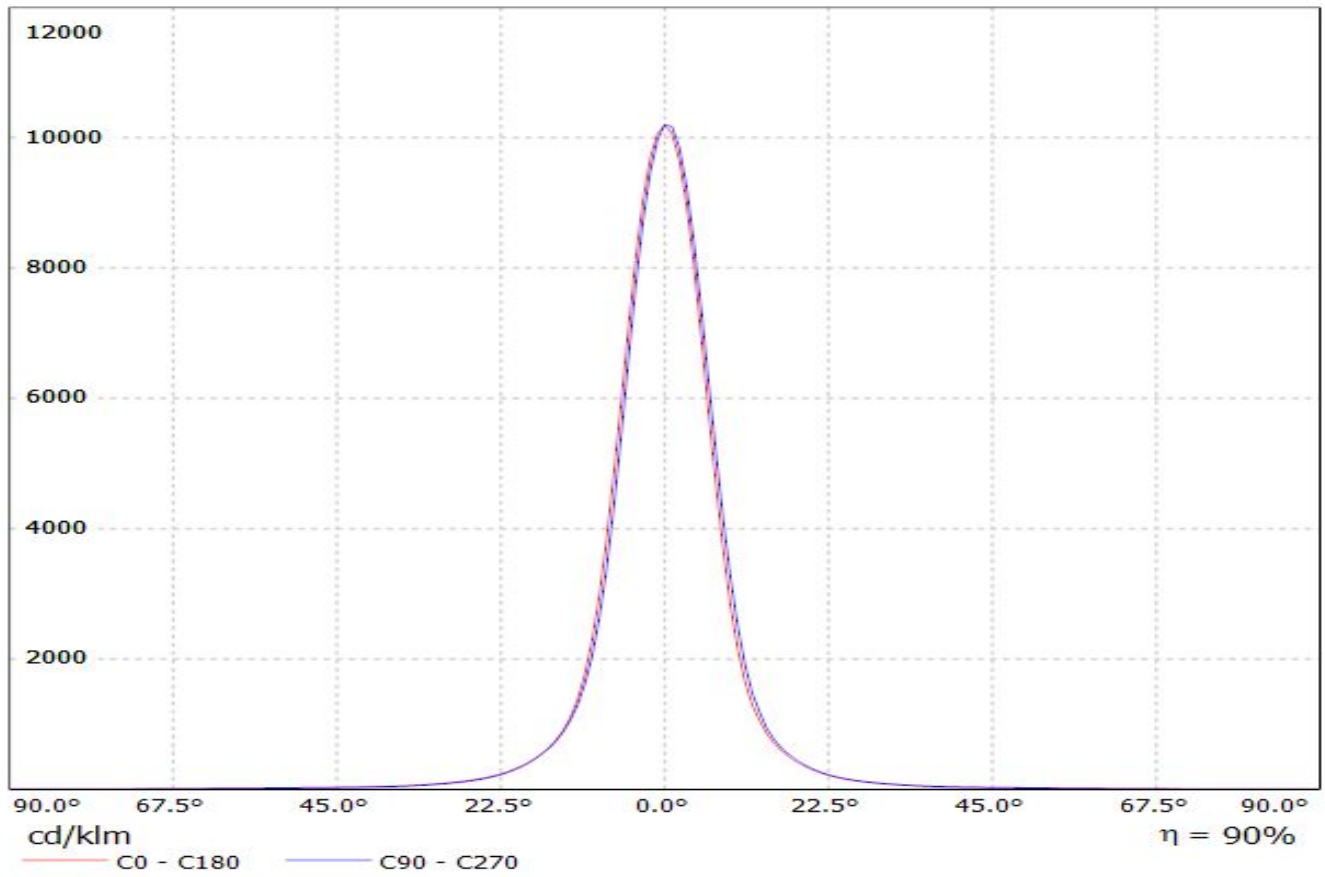


Luminaire: LEDil Oy CA12062_EMILY-D (XP-E2)

Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 78.62lm @ 250mA P=0.8W I=250mA

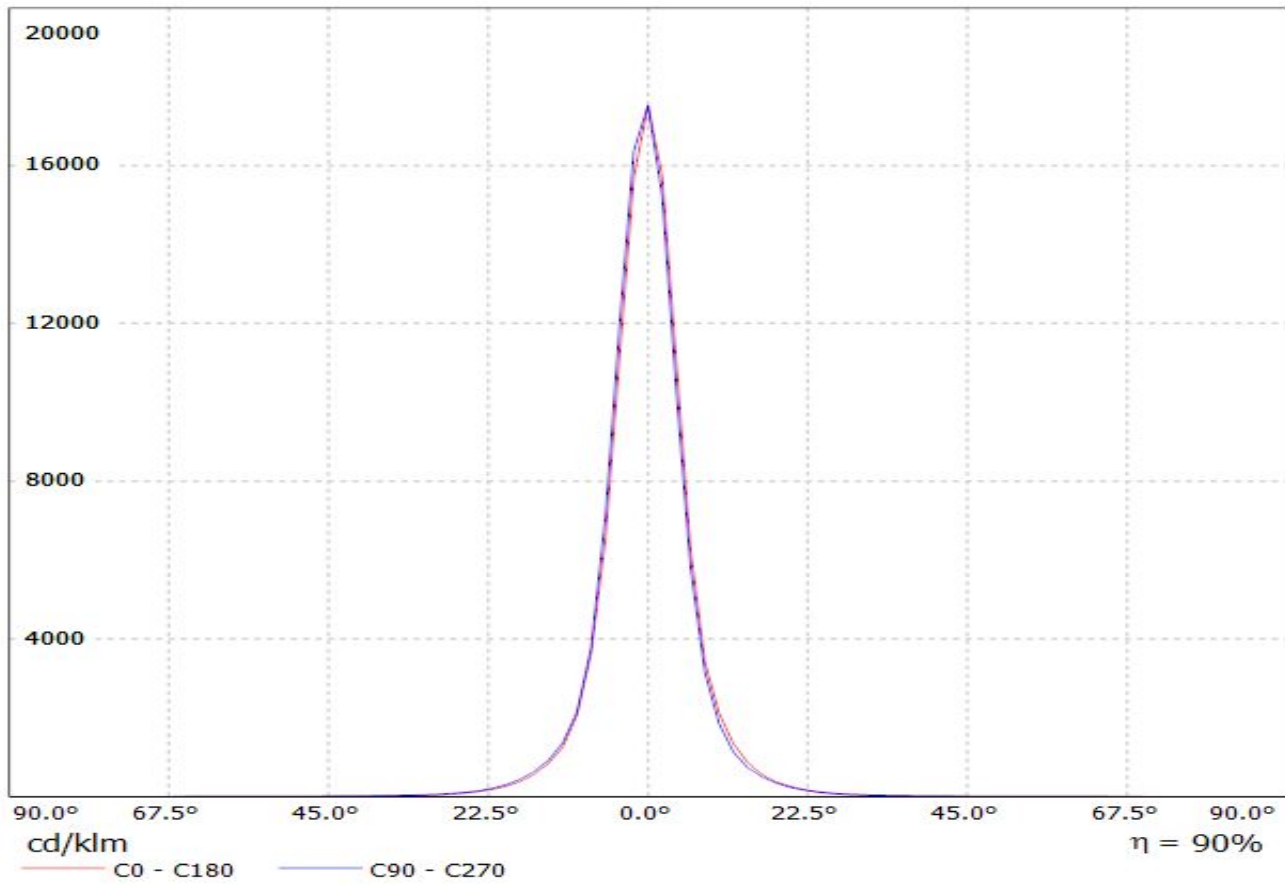


Luminaire: LEDiL Oy CA12062_EMILY-D_(XP-L) Eff.90.4%
Lamps: 1 x Cree_XP-L_127.813lm@250mA_P=0.73723W_I=249.9mA



Luminaire: Ledil Oy CA12062_EMILY-D_(XB-H)

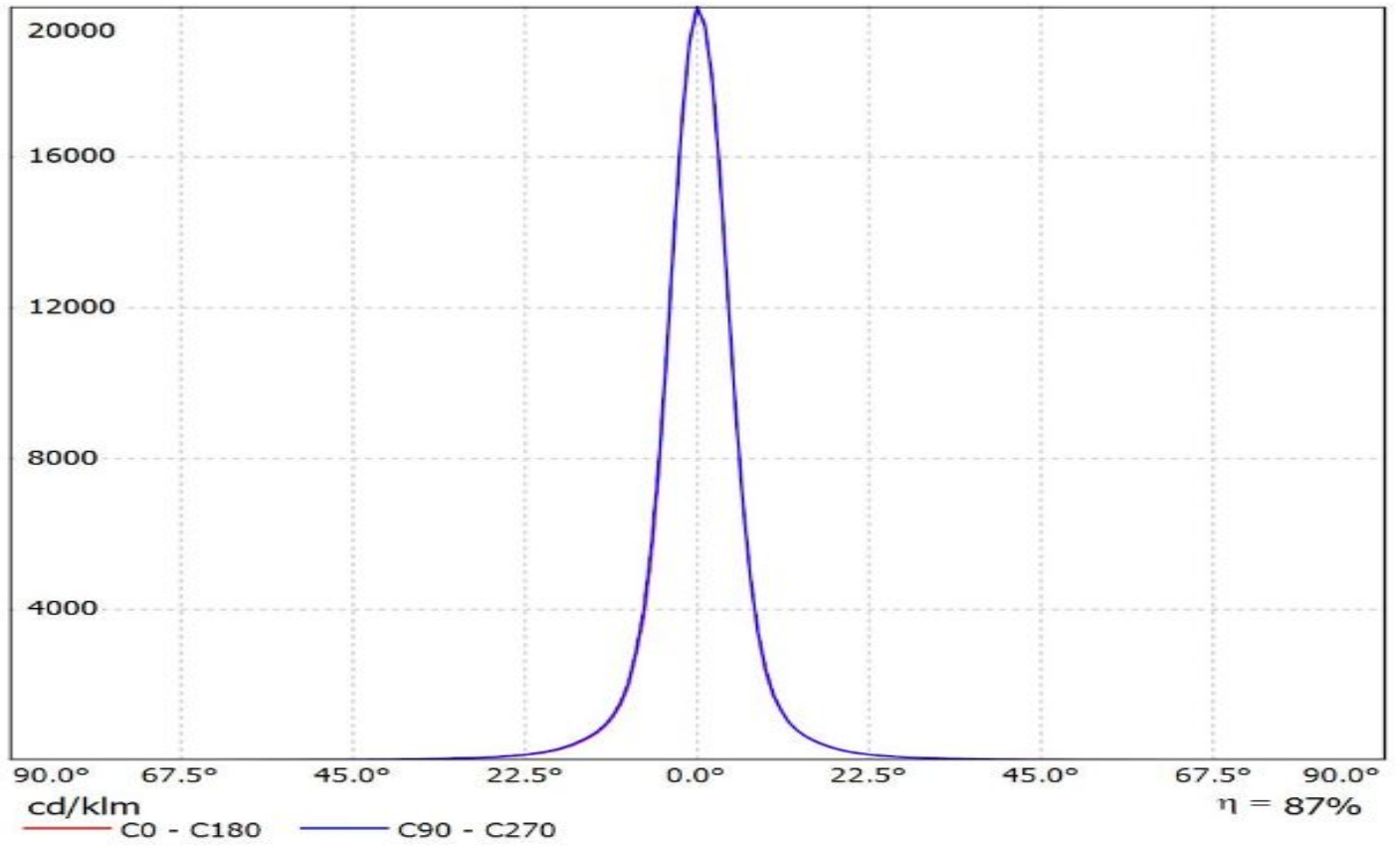
Lamps: 1 x Cree XB-H (XBHAWT-0-3C0-T50-0B-0001) 106lm @ 250mA CCT= P=0.73W I=250mA



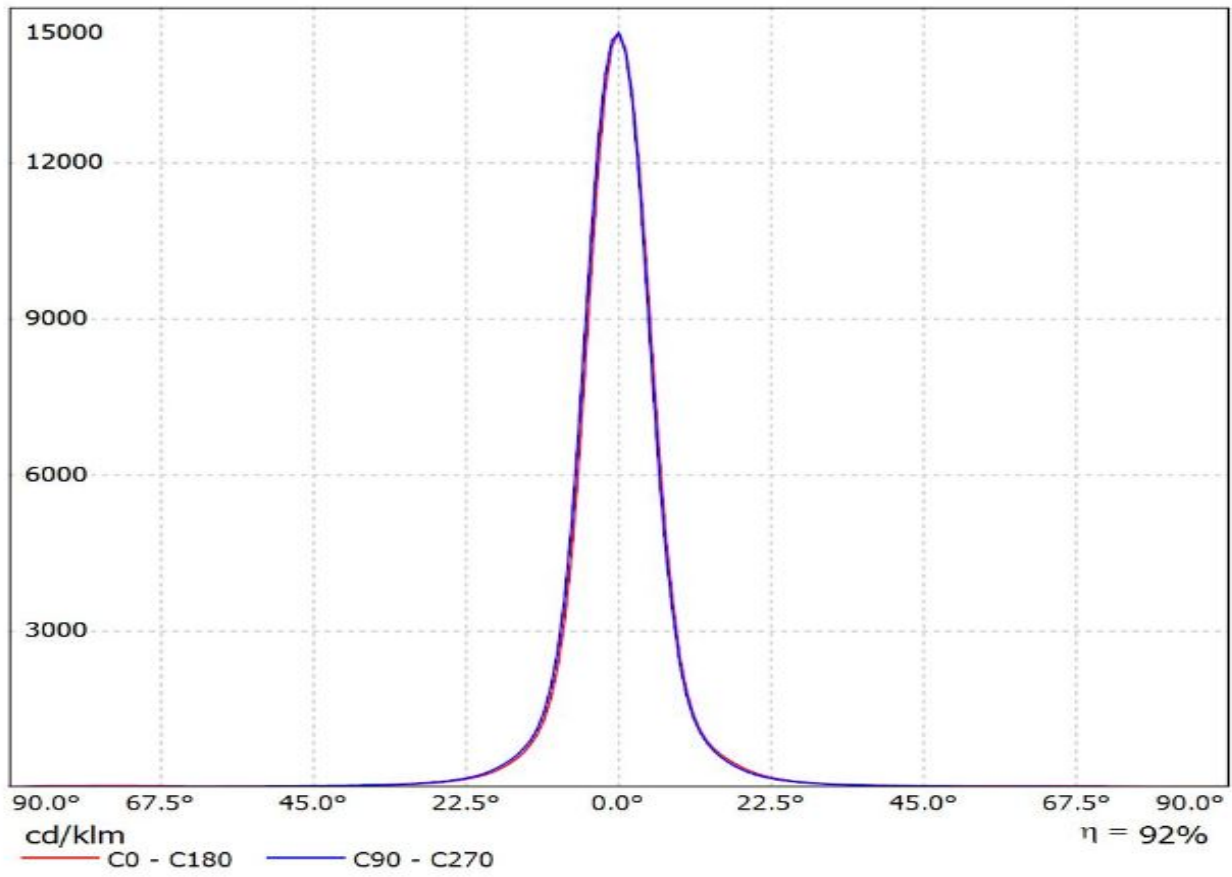
Ledil CA12062_EMILY-D_(XP-L_HI) / LDC (Linear)

Luminaire: Ledil CA12062_EMILY-D_(XP-L_HI)

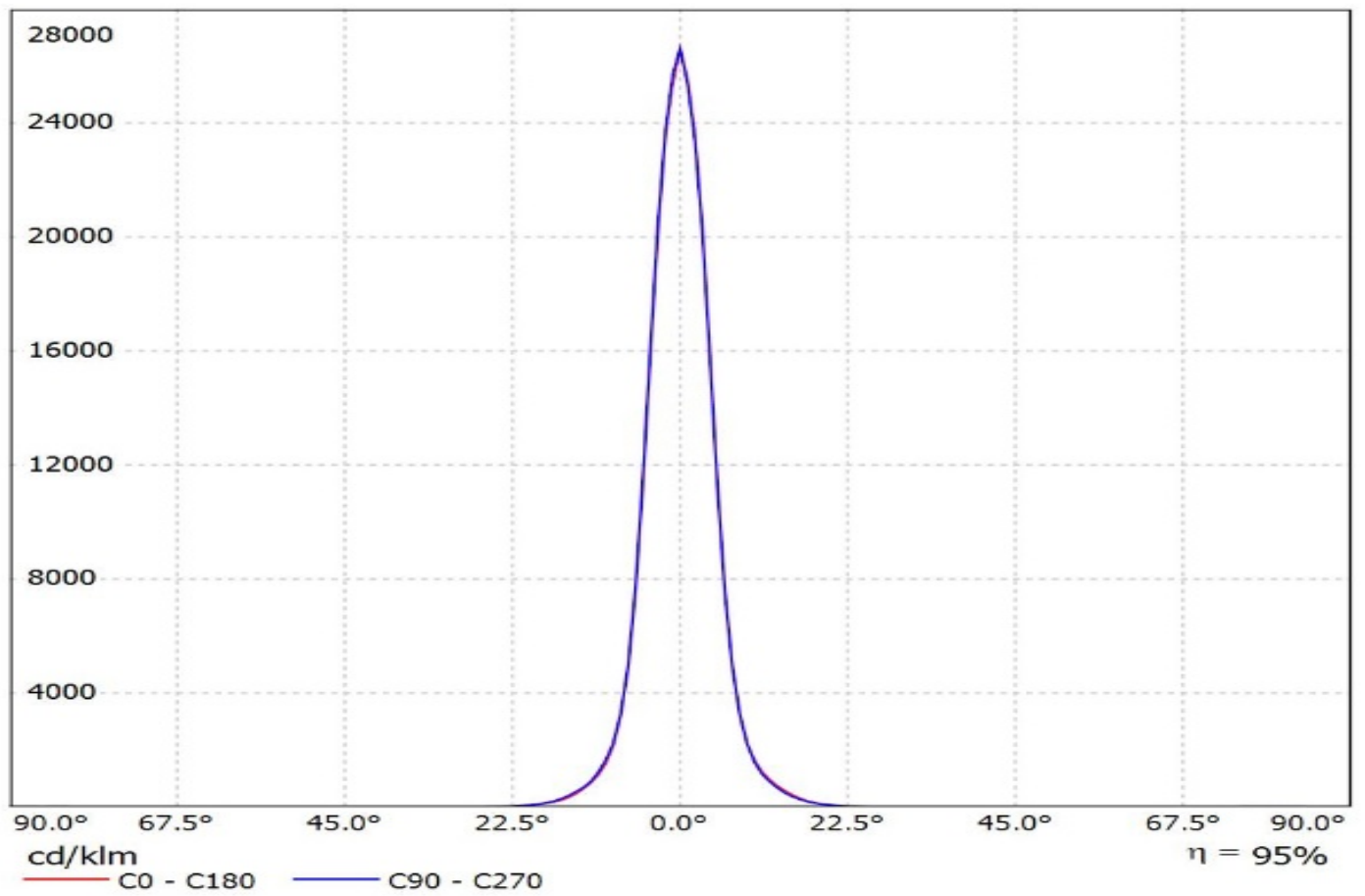
Lamps: 1 x CREE_XP-L_HI_116.971lm@250mA_P=0.75W_I=0.25A



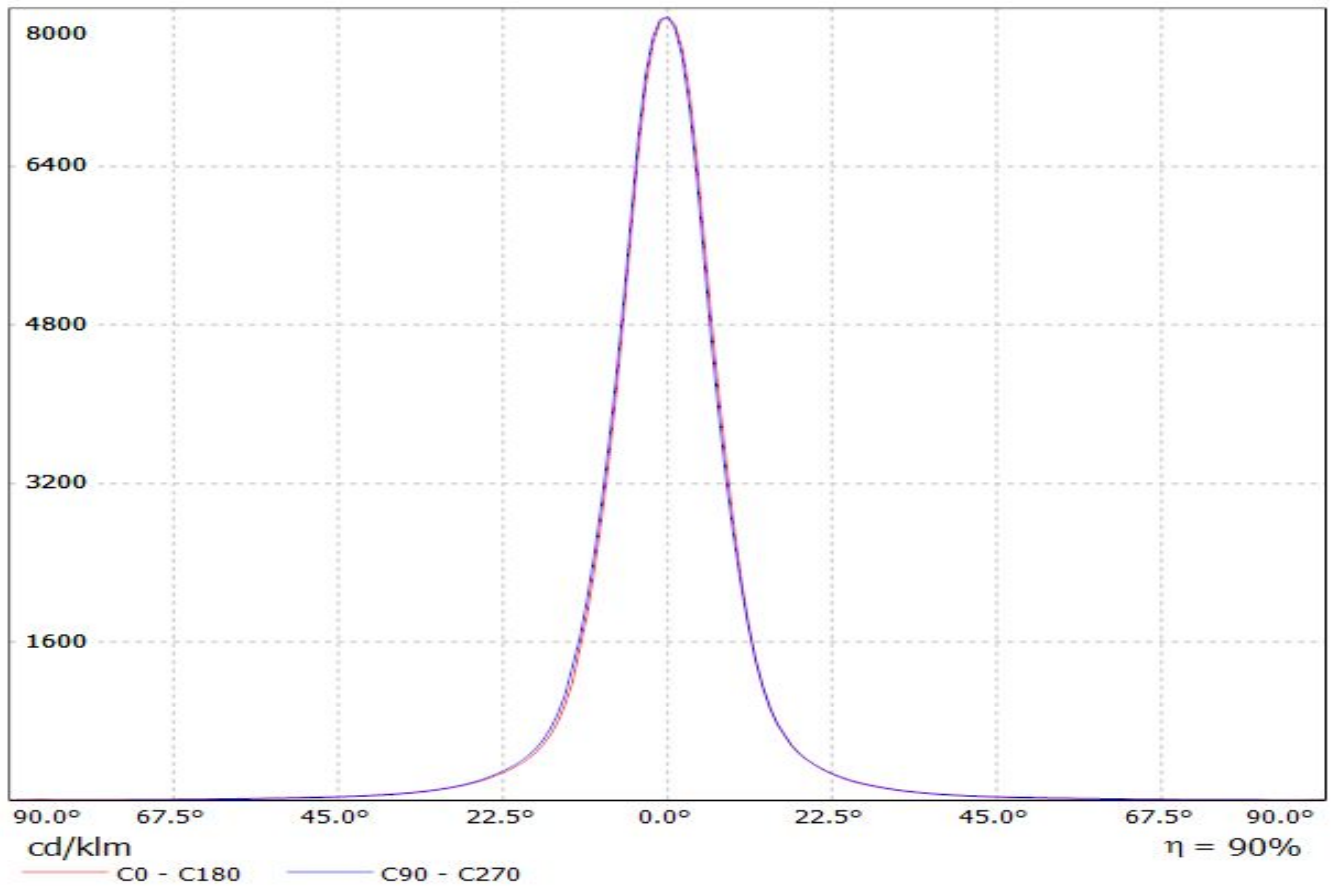
Luminaire: Ledil CA12062_EMILY-D_(XHP35_HI)
Lamps: 1 x Cree_XHP35_HI_412.464lm@250mA_P=2.88075W_I=0.25A



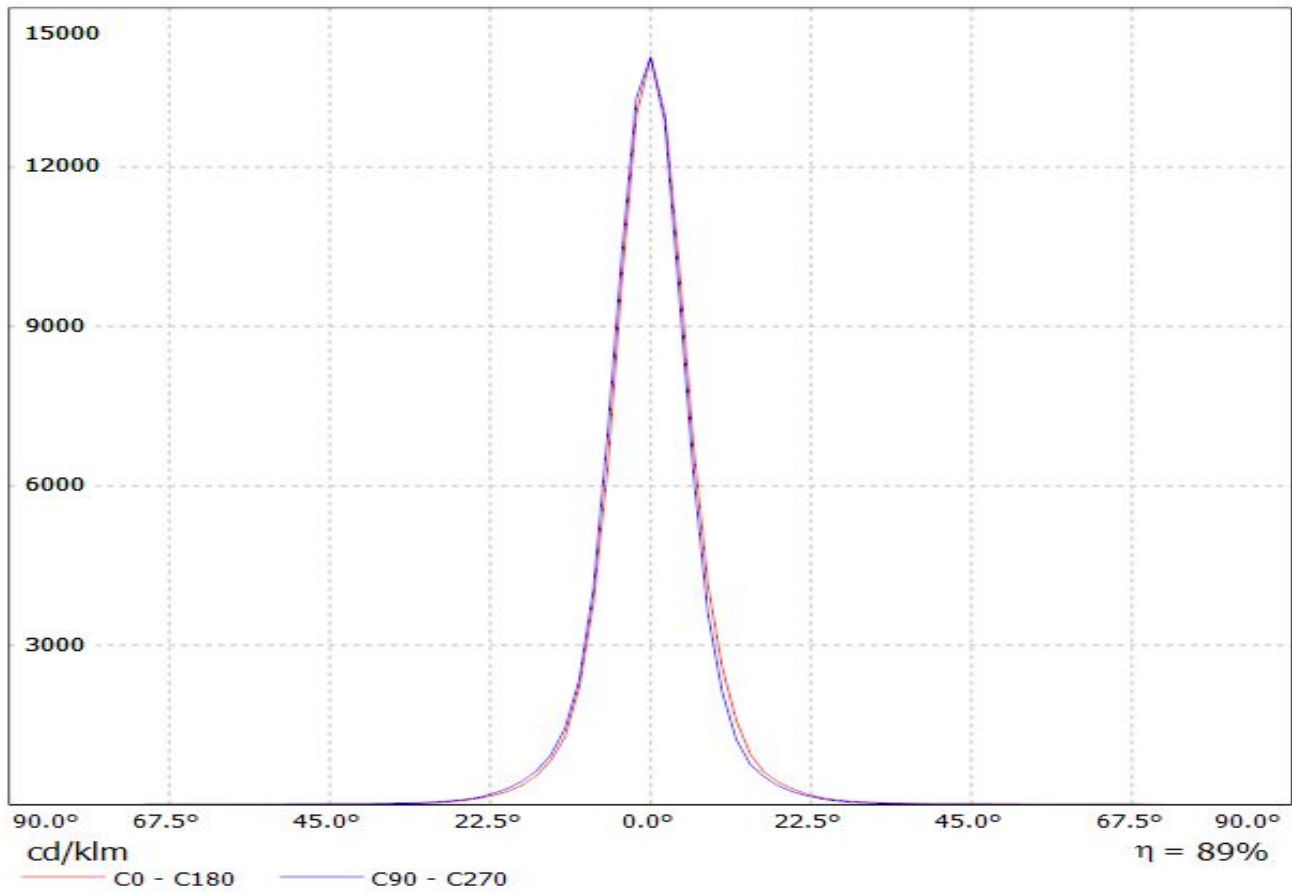
Luminaire: Ledil Oy CA12062_EMILY-D_(Luxeon_Rebel_ES)_SIMULATED
Lamps: 1 x Lumileds Luxeon Rebel ES (LXML-PWN2)



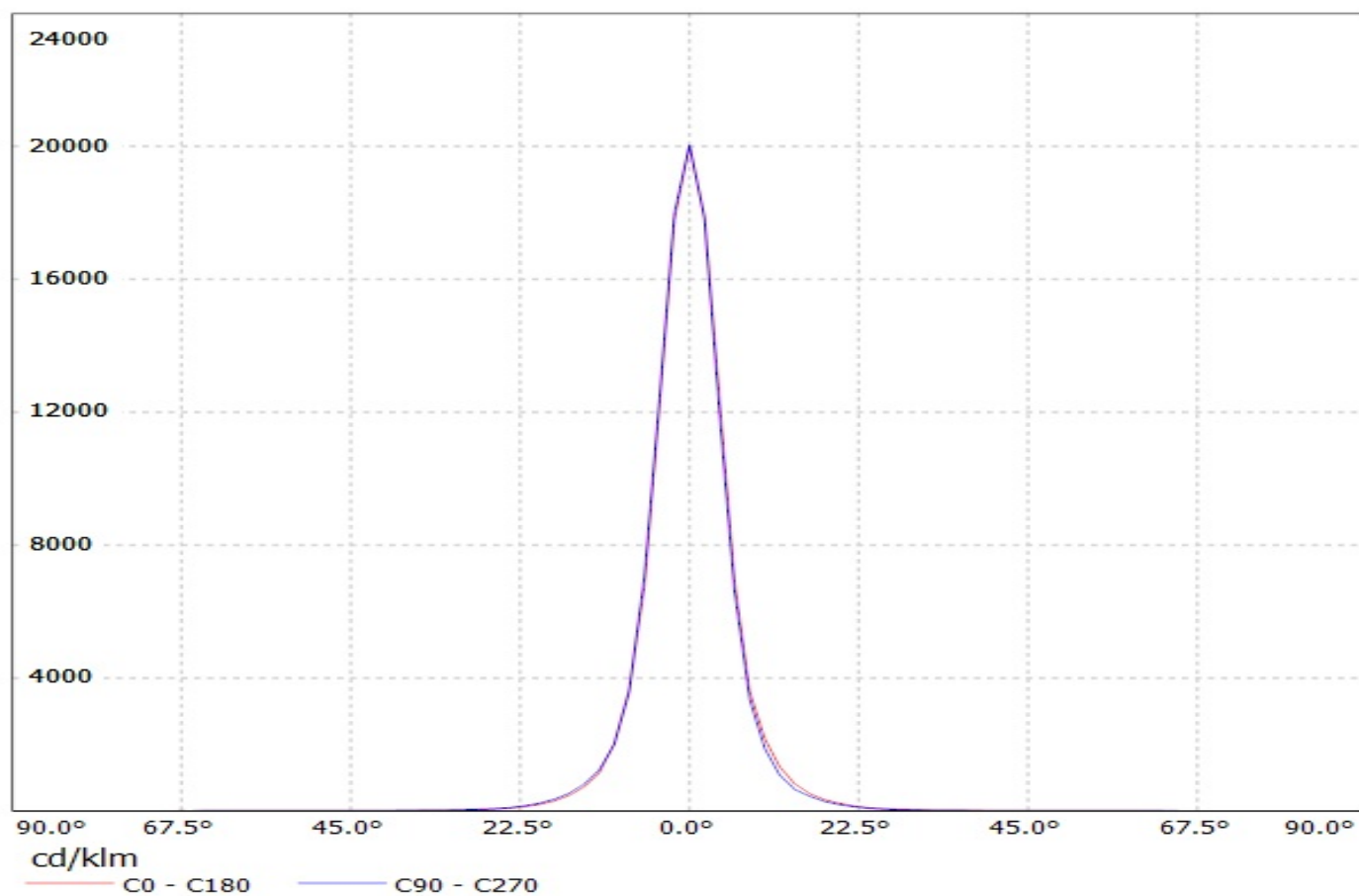
Luminaire: LEDiL Oy CA12062_EMILY-D_(NS9x383) Eff. 90,1%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



Luminaire: Ledil Oy CA12062_EMILY-D_(LH351B) Efficiency=88%
Lamps: 1 x Samsung LH351B 106lm @ 250mA CCT= P=0.72W I=250mA

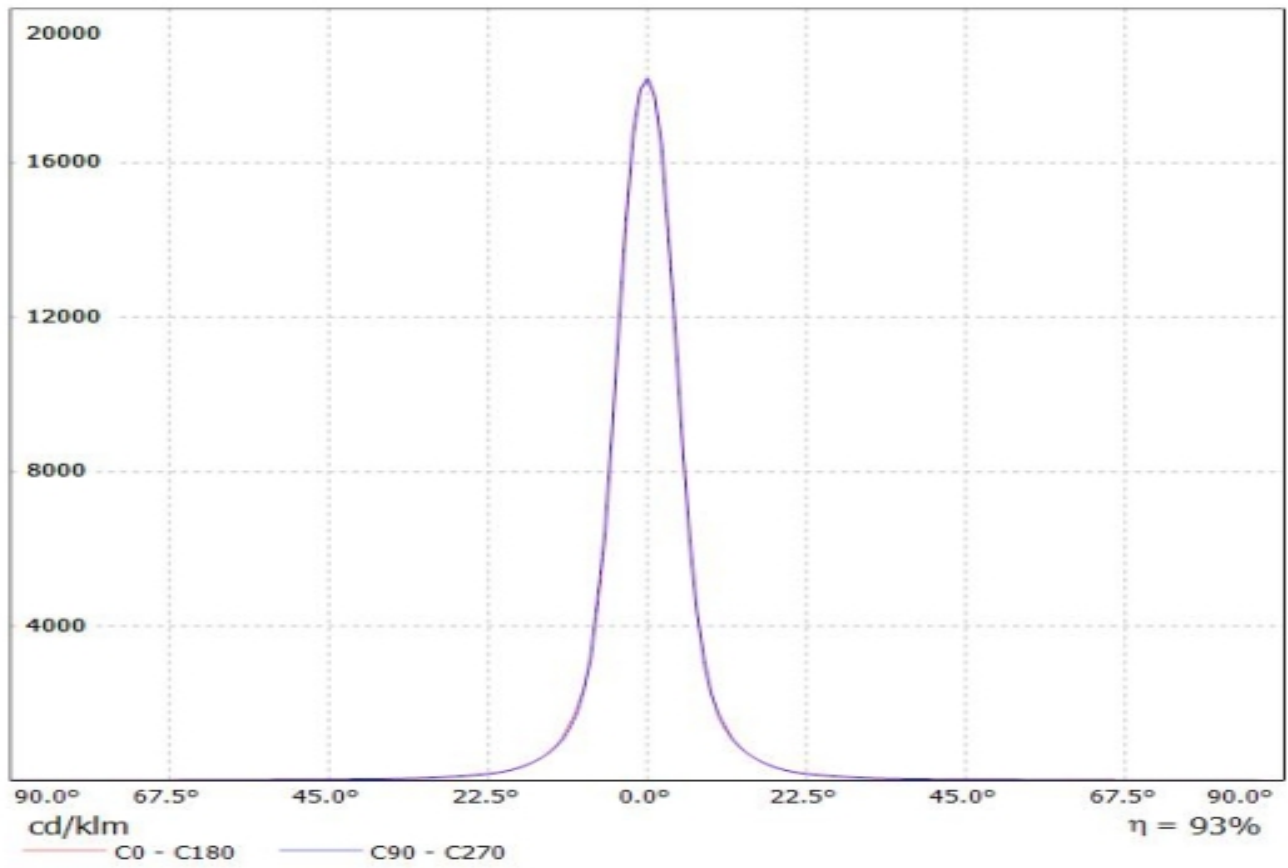


Luminaire: Ledil Oy CA12062_EMILY-D_(LH351Z) Efficiency=88%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



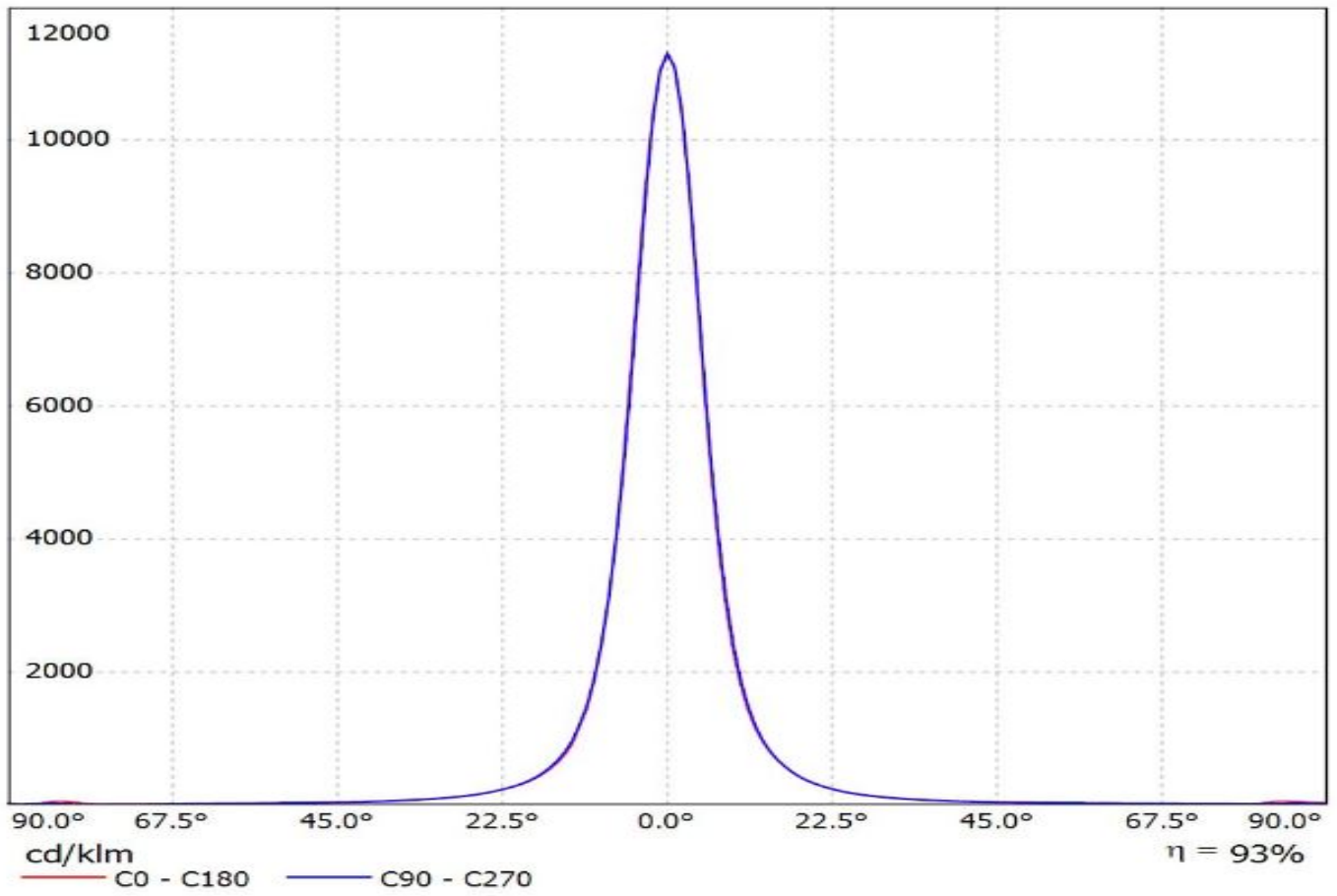
Luminaire: LEDiL Oy CA12062_EMILY-D_(SEOUL_Z5M1)

Lamps: 1 x CA12062_EMILY-D_(SZ5M1-W0-C8/W1-A5-G)_107.813lm@250mA_P=0.740229W_I=249.9mA

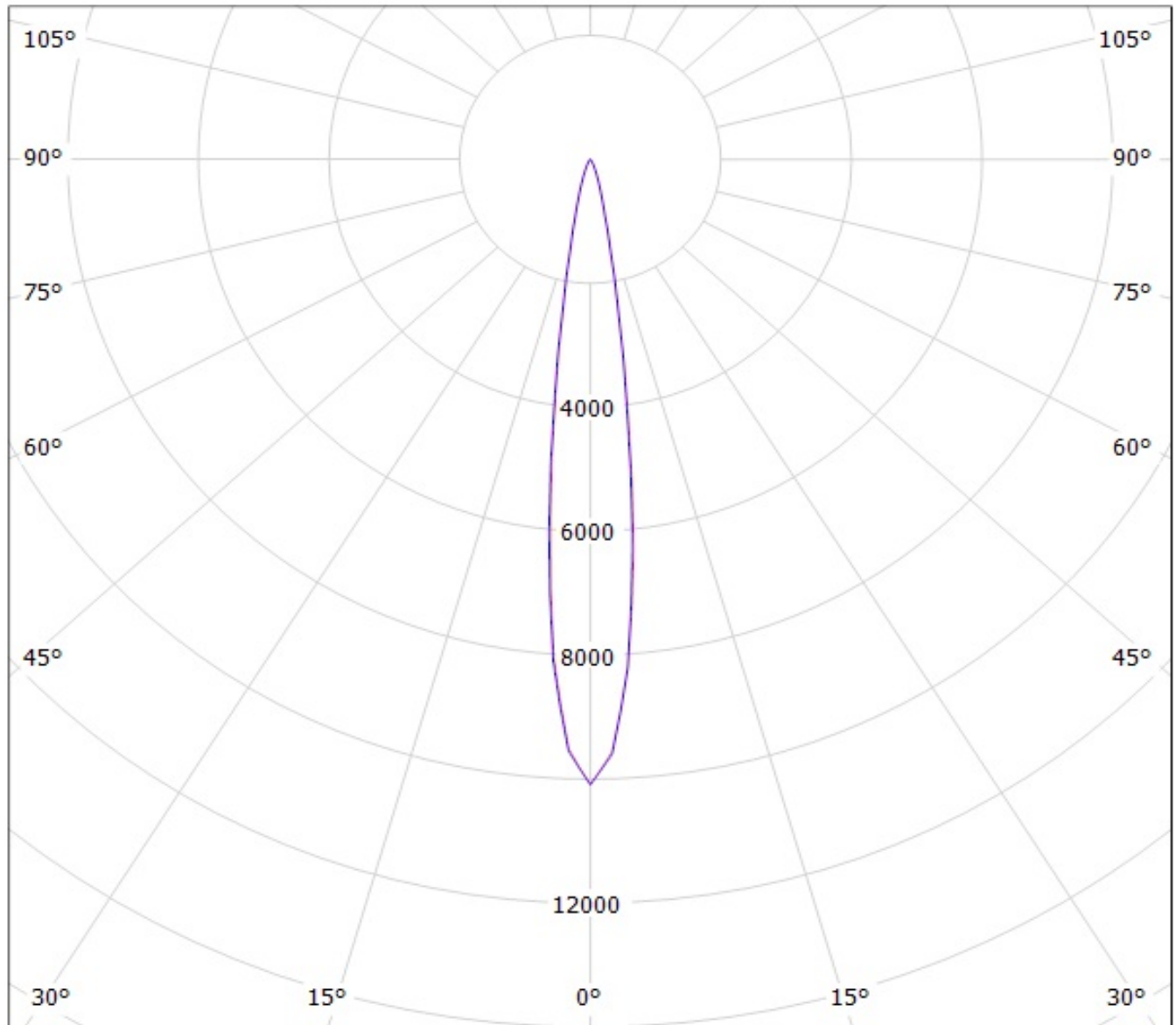


Luminaire: LEDiL Oy CA12062_EMILY-D_(Z8Y22plus)

Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_125.652lm@250mA_P=0.69312W_I=0.250A



Luminaire: Ledil Oy CA12062_EMILY-D (Cree XM-L 92lm @ 250mA) Efficiency=90%
Lamps: 1 x Cree XM-L 92lm @ 250mA

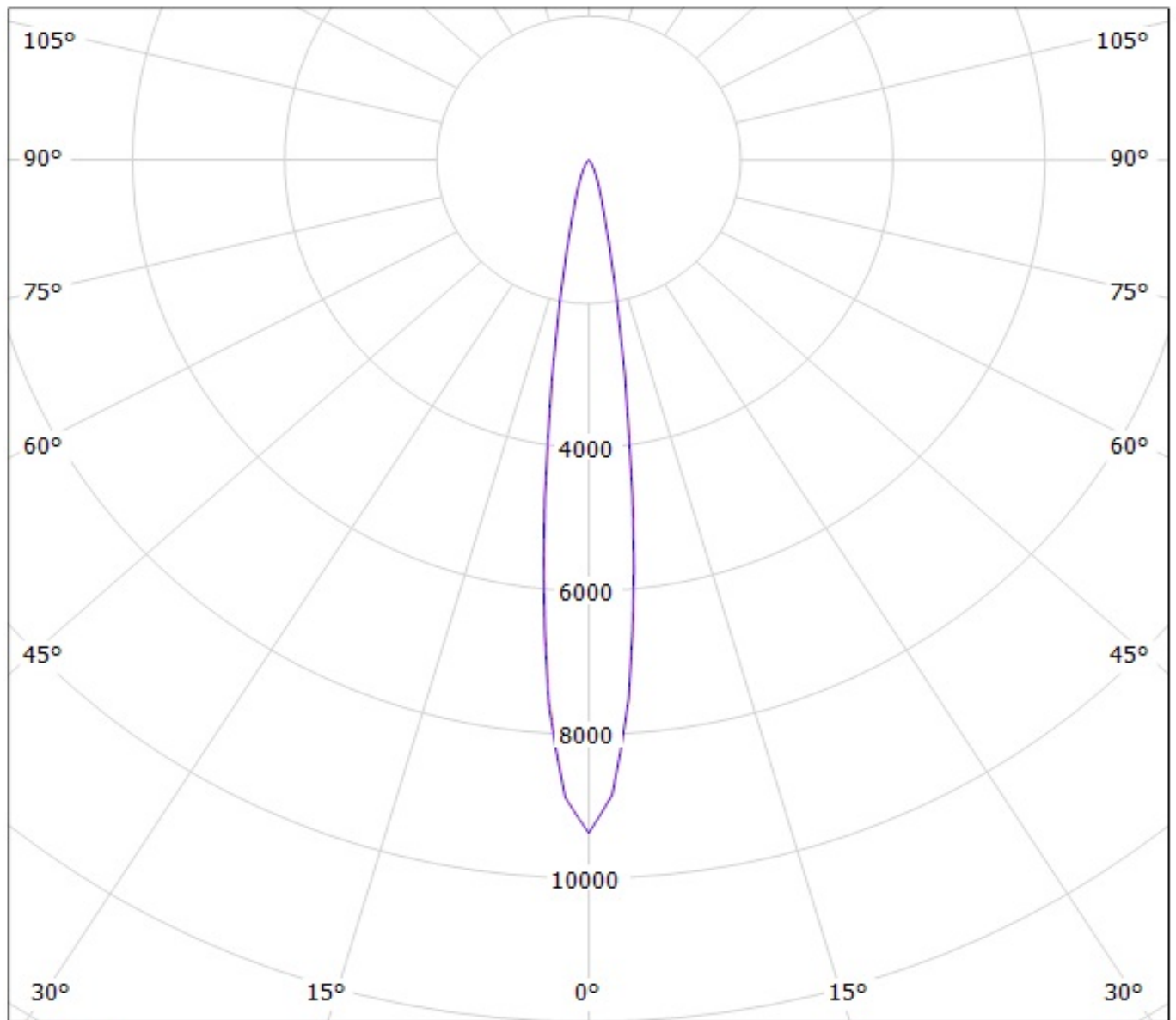


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA12062_EMILY-D (Cree XM-L HVW 285lm 50mA) Efficiency=88%
Lamps: 1 x Cree XM-L HVW 285lm 50mA

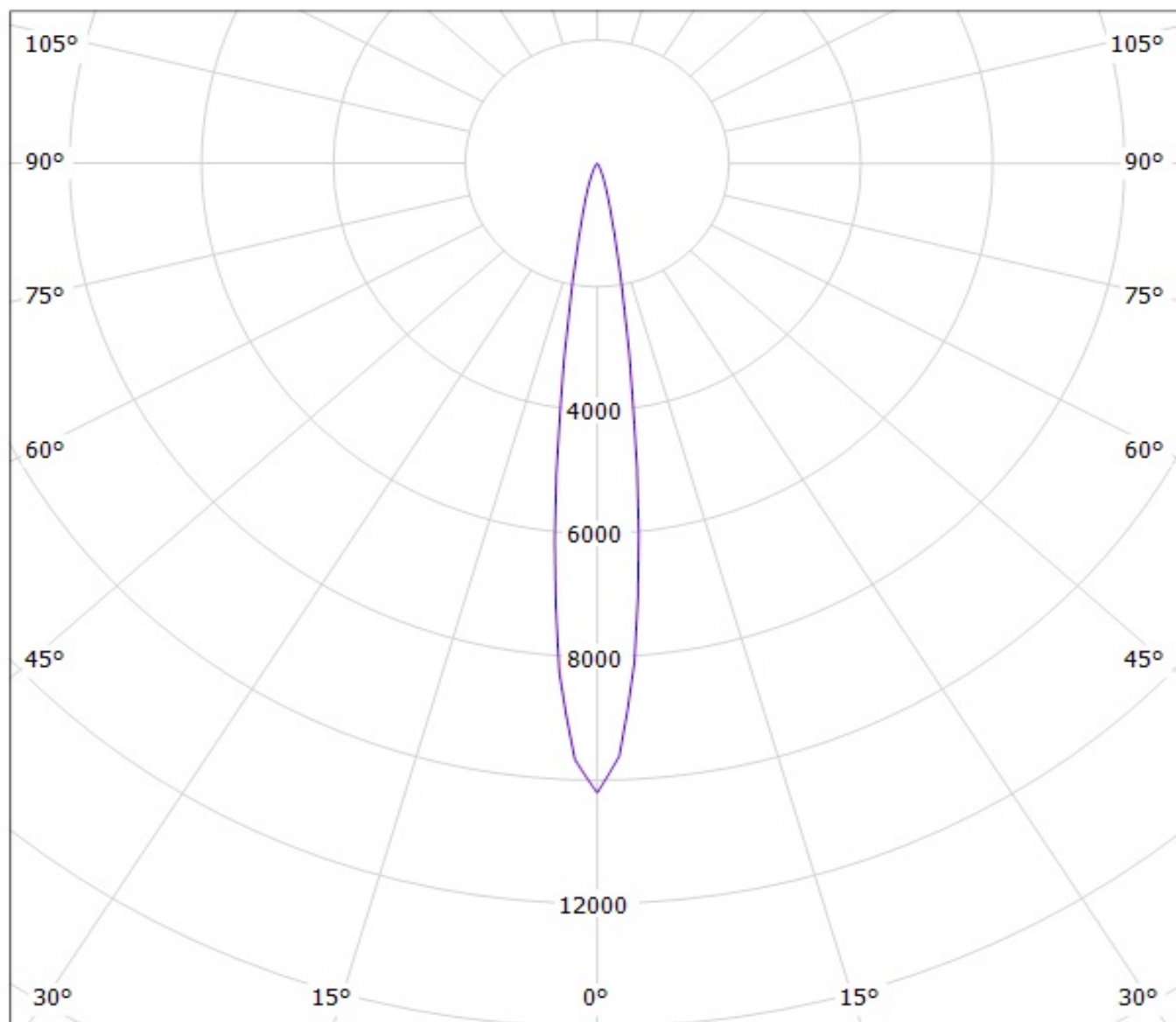


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA12062_EMILY-D (Cree XM-L2 105lm @ 250mA) Efficiency=90%
Lamps: 1 x Cree XM-L2 105lm @ 250mA

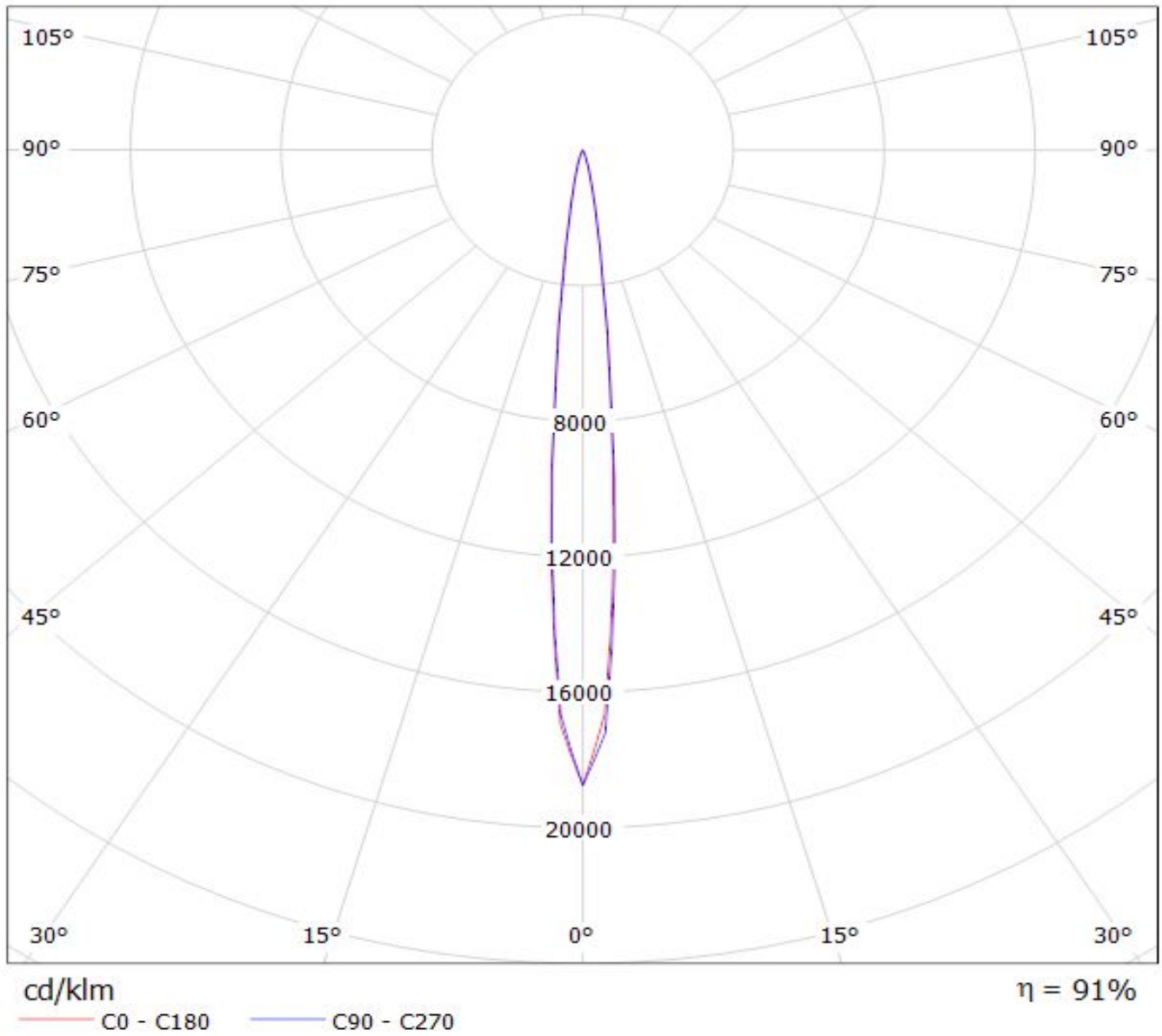


cd/klm

— C0 - C180

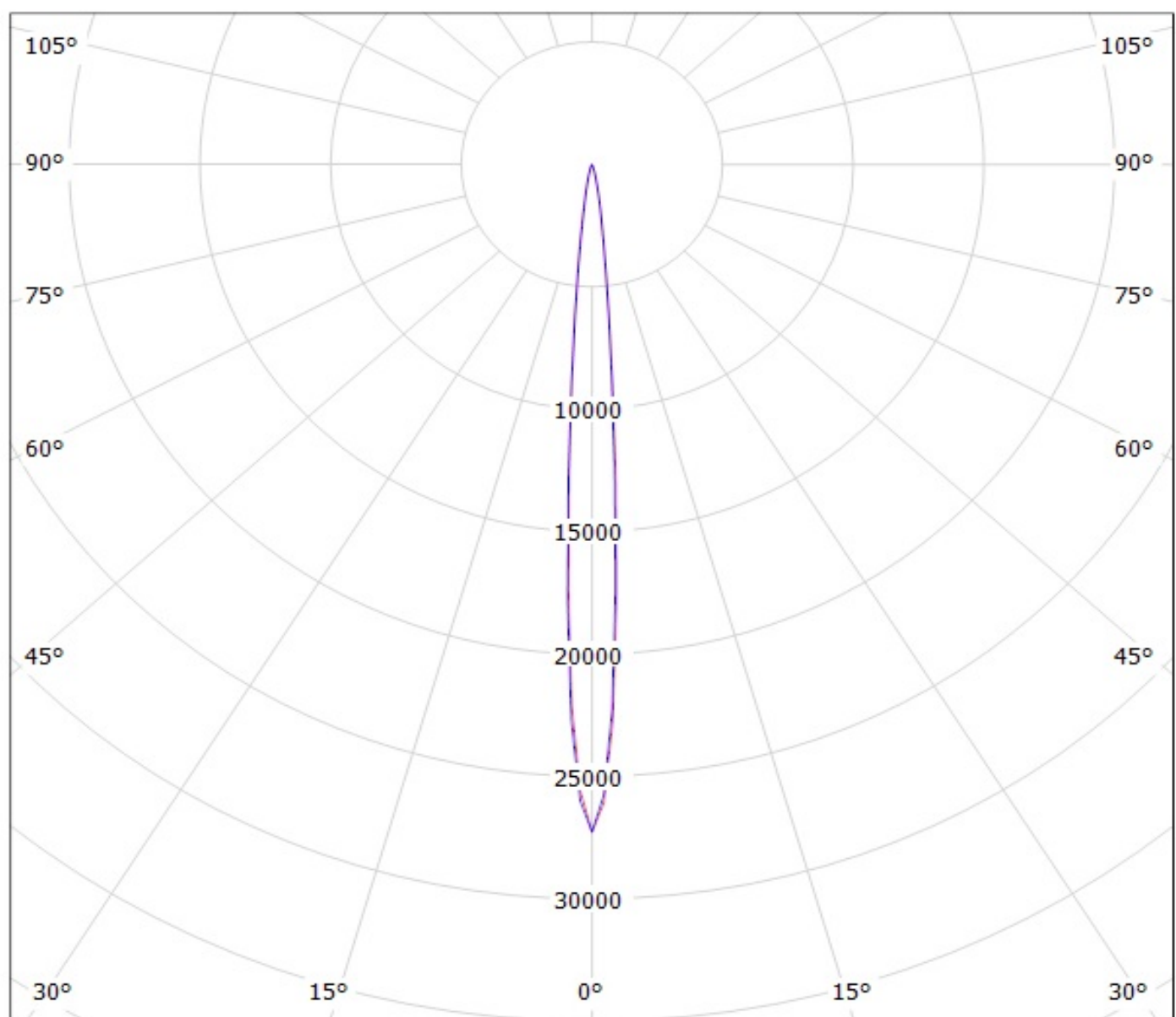
— C90 - C270

Luminaire: Ledil Oy CA12062_EMILY-D_(XP-G2) Efficiency=90%
Lamps: 1 x Cree XP-G2 103lm @ 250mA CCT= P=0.80W I=250mA



Luminaire: LEDil Oy CA12062_EMILY-D_(XP-E2)

Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 78.62lm @ 250mA P=0.8W I=250mA

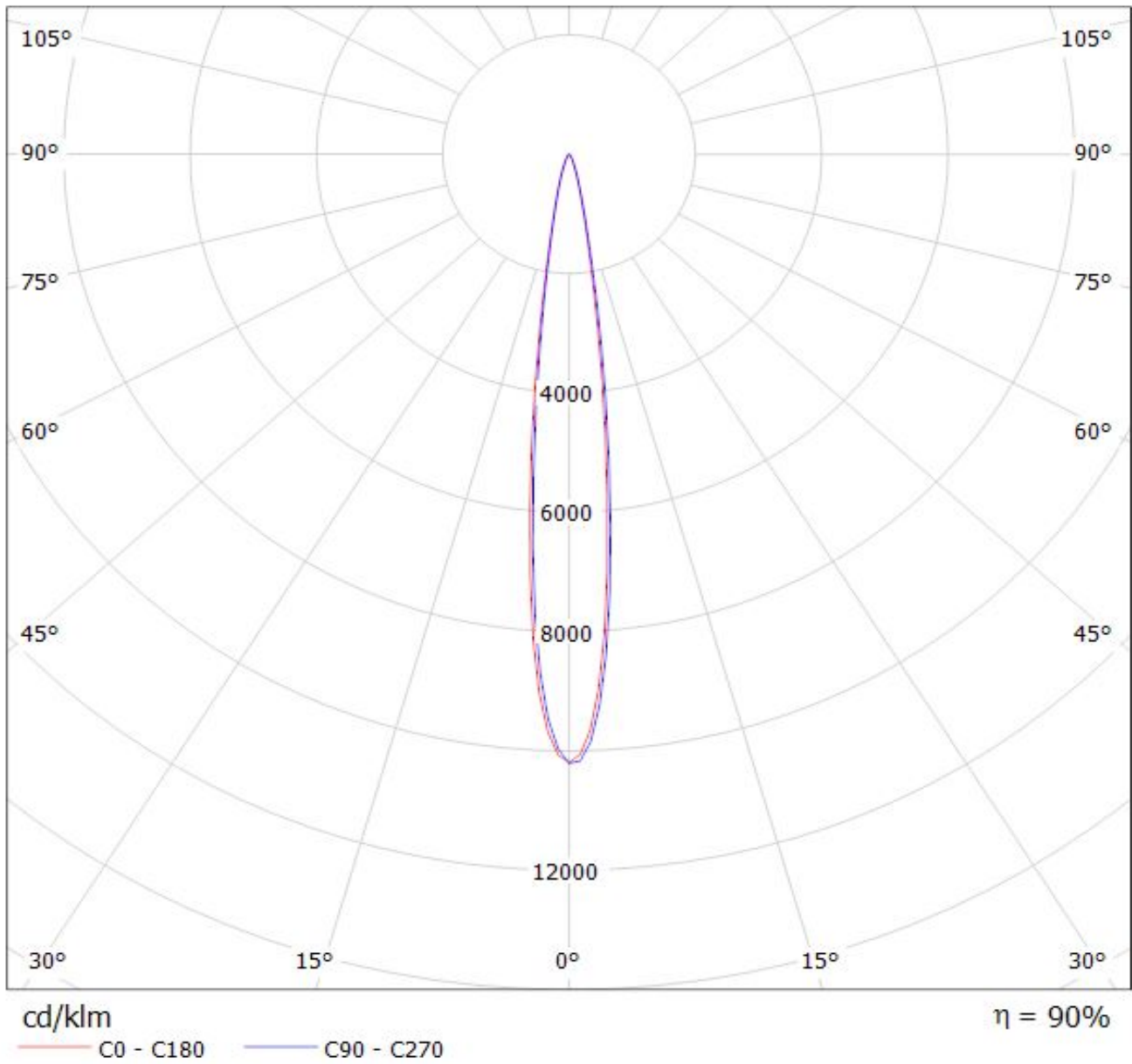


cd/klm

— C0 - C180 — C90 - C270

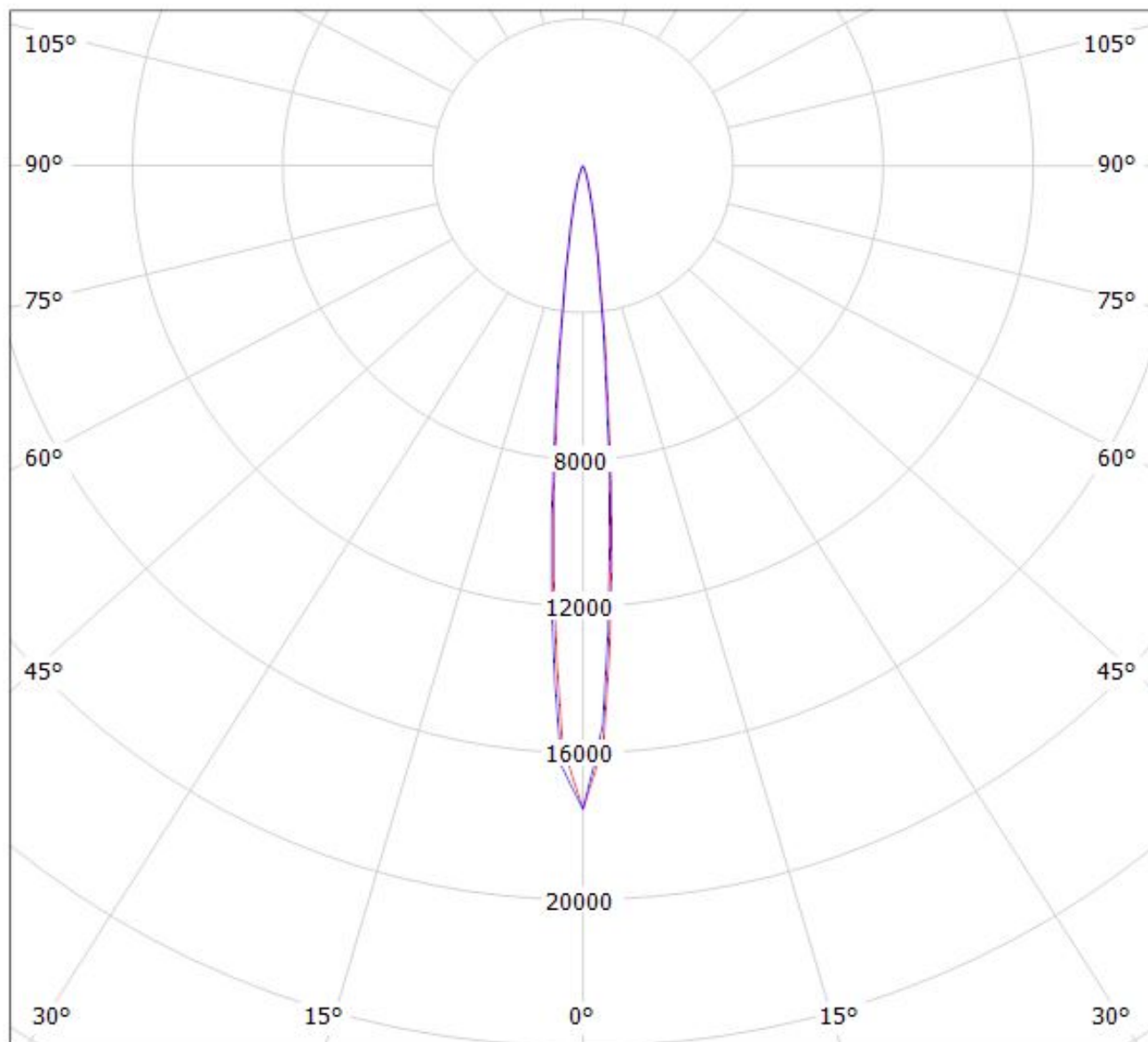
$\eta = 87\%$

Luminaire: LEDiL Oy CA12062_EMILY-D_(XP-L) Eff.90.4%
Lamps: 1 x Cree_XP-L_127.813lm@250mA_P=0.73723W_I=249.9mA



Luminaire: Ledil Oy CA12062_EMILY-D_(XB-H)

Lamps: 1 x Cree XB-H (XBHAWT-0-3C0-T50-0B-0001) 106lm @ 250mA CCT= P=0.73W I=250mA



cd/klm

— C0 - C180

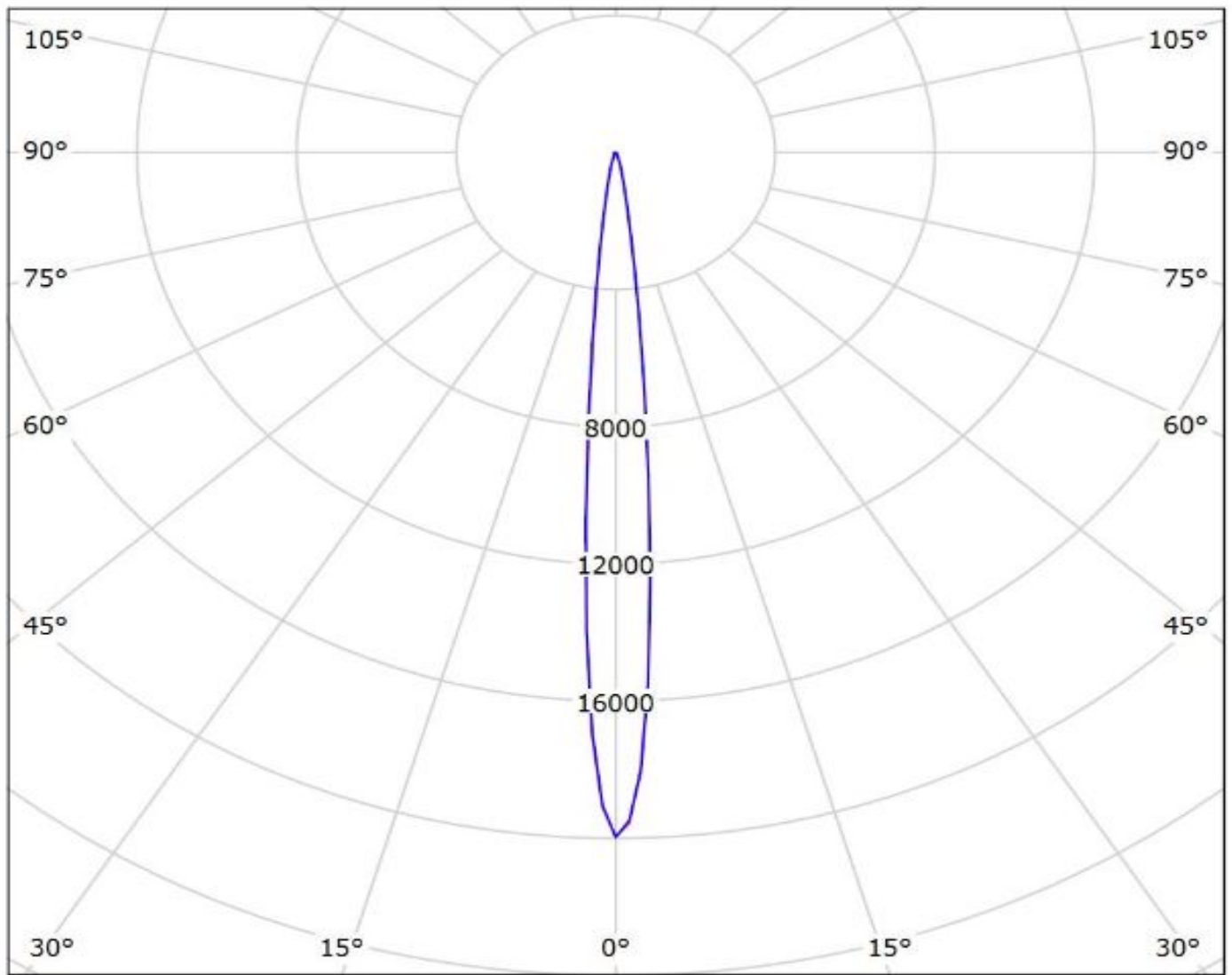
— C90 - C270

$\eta = 90\%$

Ledil CA12062_EMILY-D_(XP-L_HI) / LDC (Polar)

Luminaire: Ledil CA12062_EMILY-D_(XP-L_HI)

Lamps: 1 x CREE_XP-L_HI_116.97lm@250mA_P=0.75W_I=0.25A



cd/klm

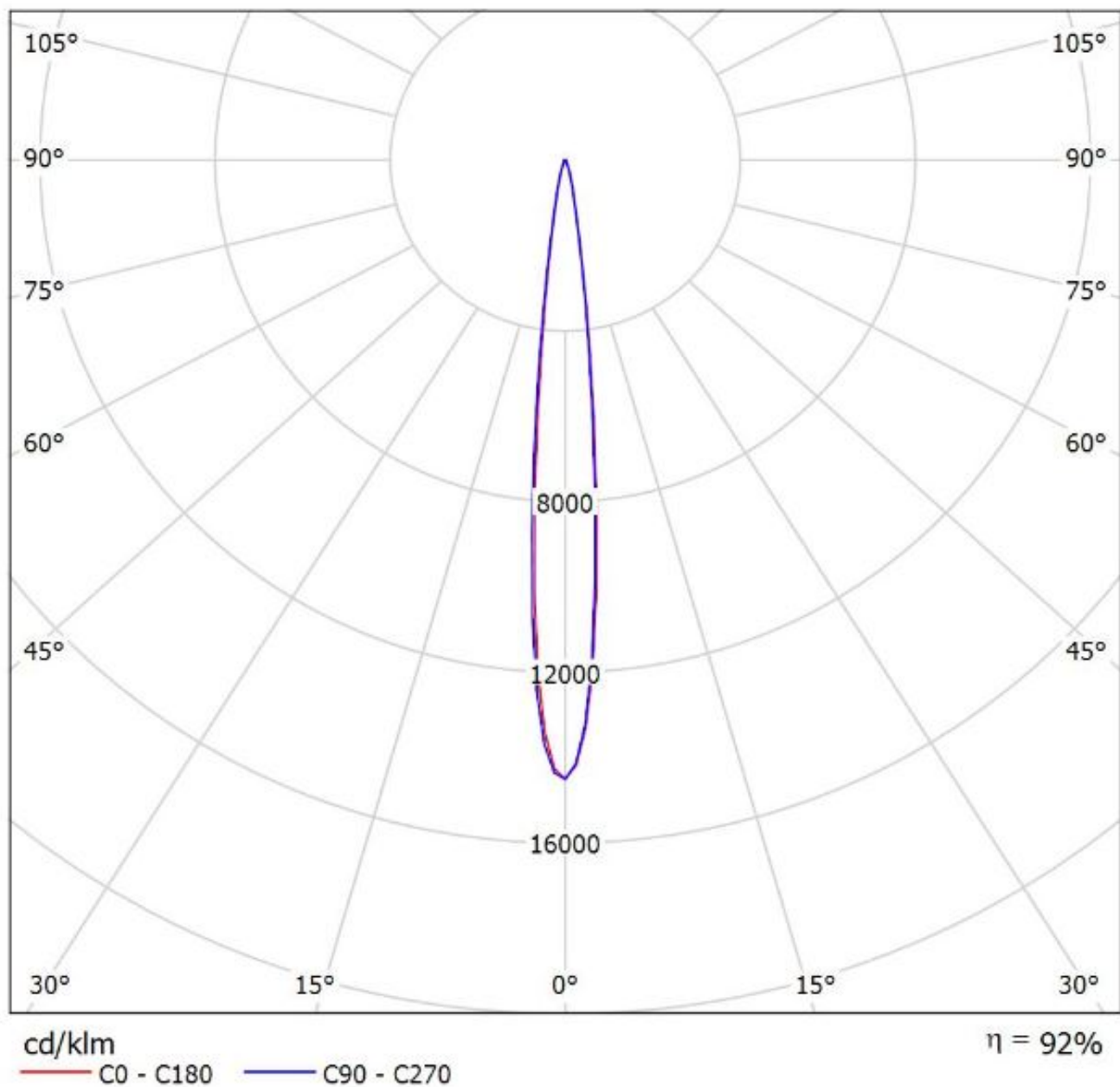
— C0 - C180

— C90 - C270

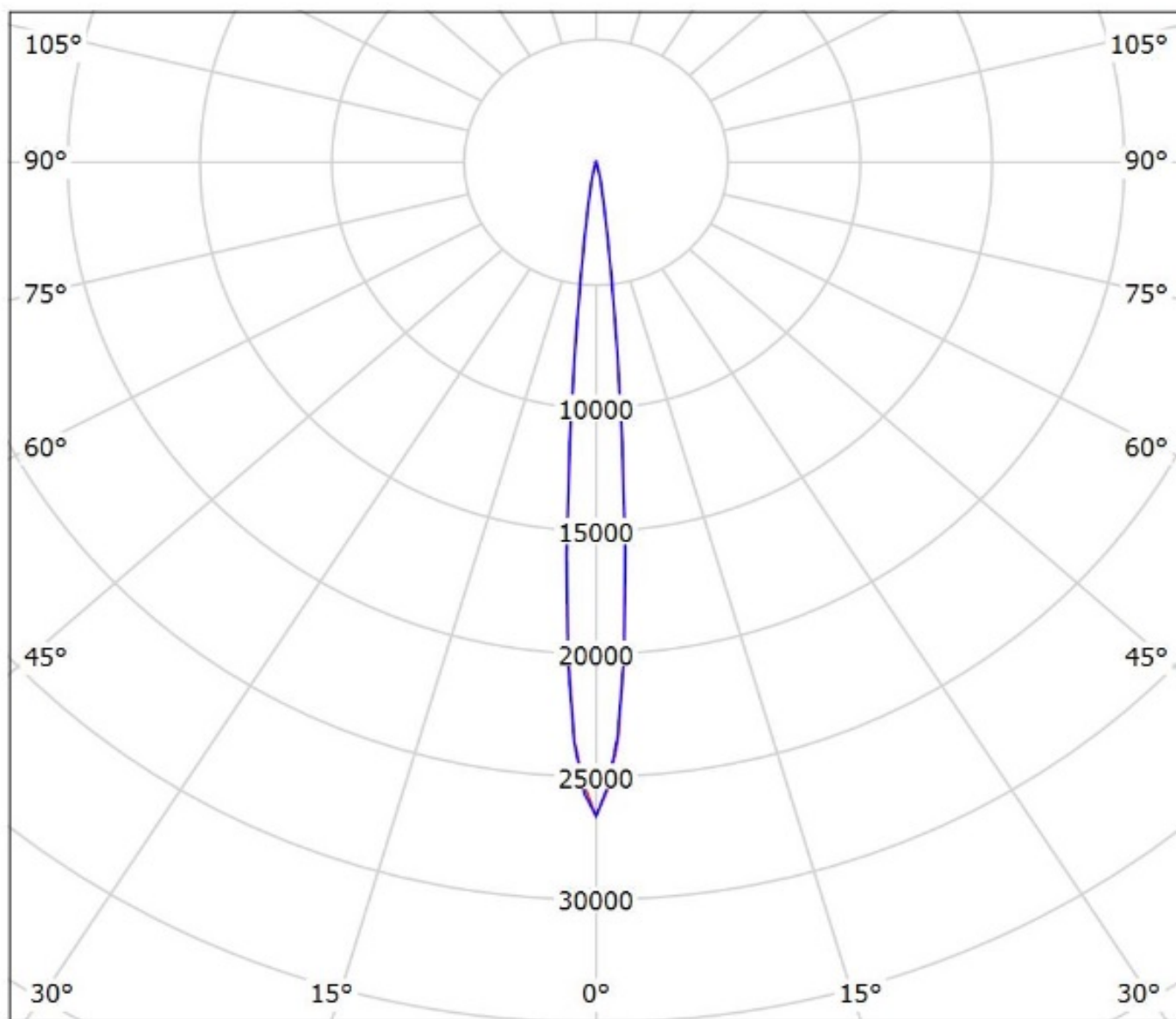
$\eta = 87\%$

Luminaire: Ledil CA12062_EMILY-D_(XHP35_HI)

Lamps: 1 x Cree_XHP35_HI_412.464lm@250mA_P=2.88075W_η=0.25A



Luminaire: Ledil Oy CA12062_EMILY-D_(Luxeon_Rebel_ES)_SIMULATED
Lamps: 1 x Lumileds Luxeon Rebel ES (LXML-PWN2)

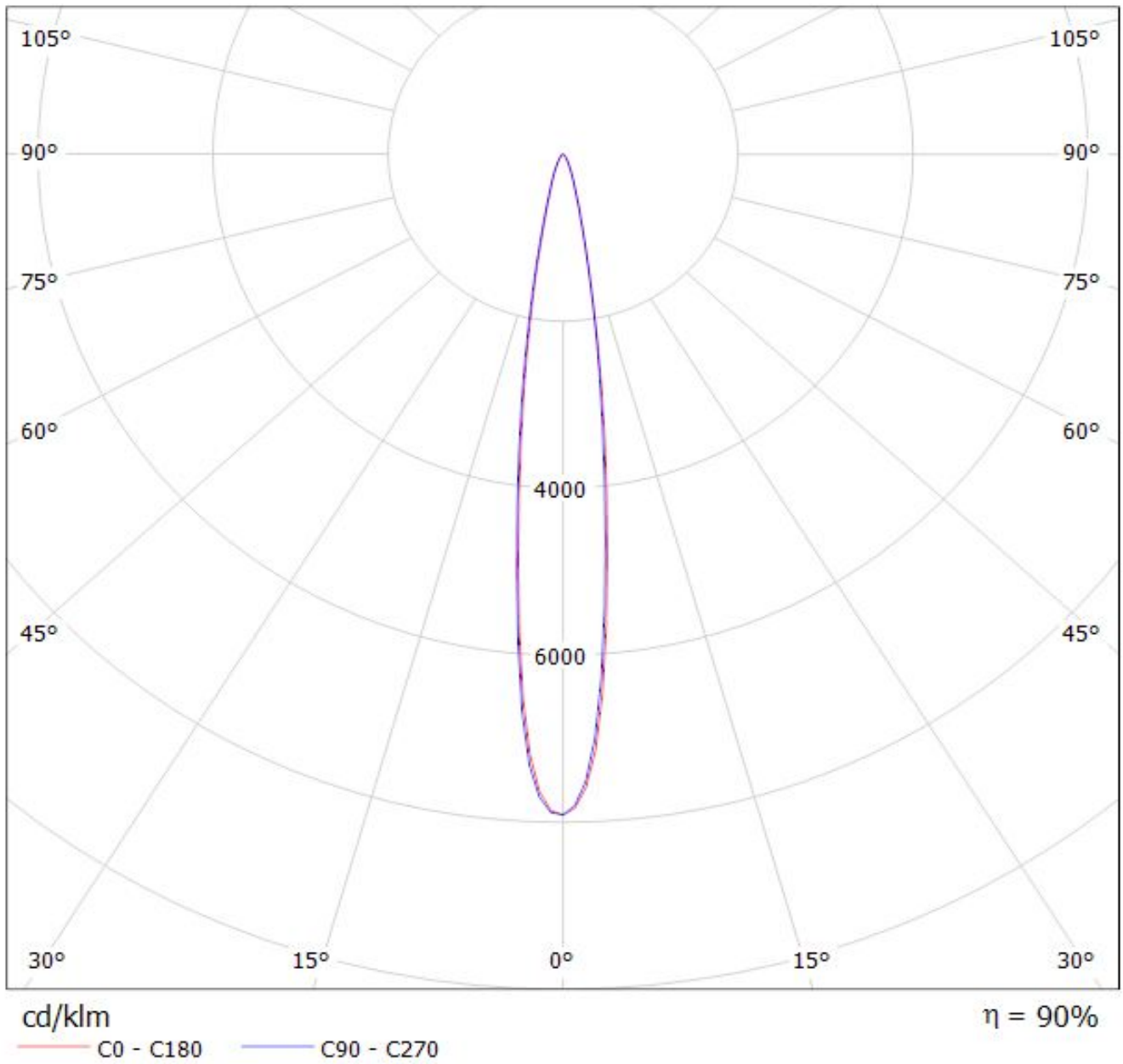


cd/klm

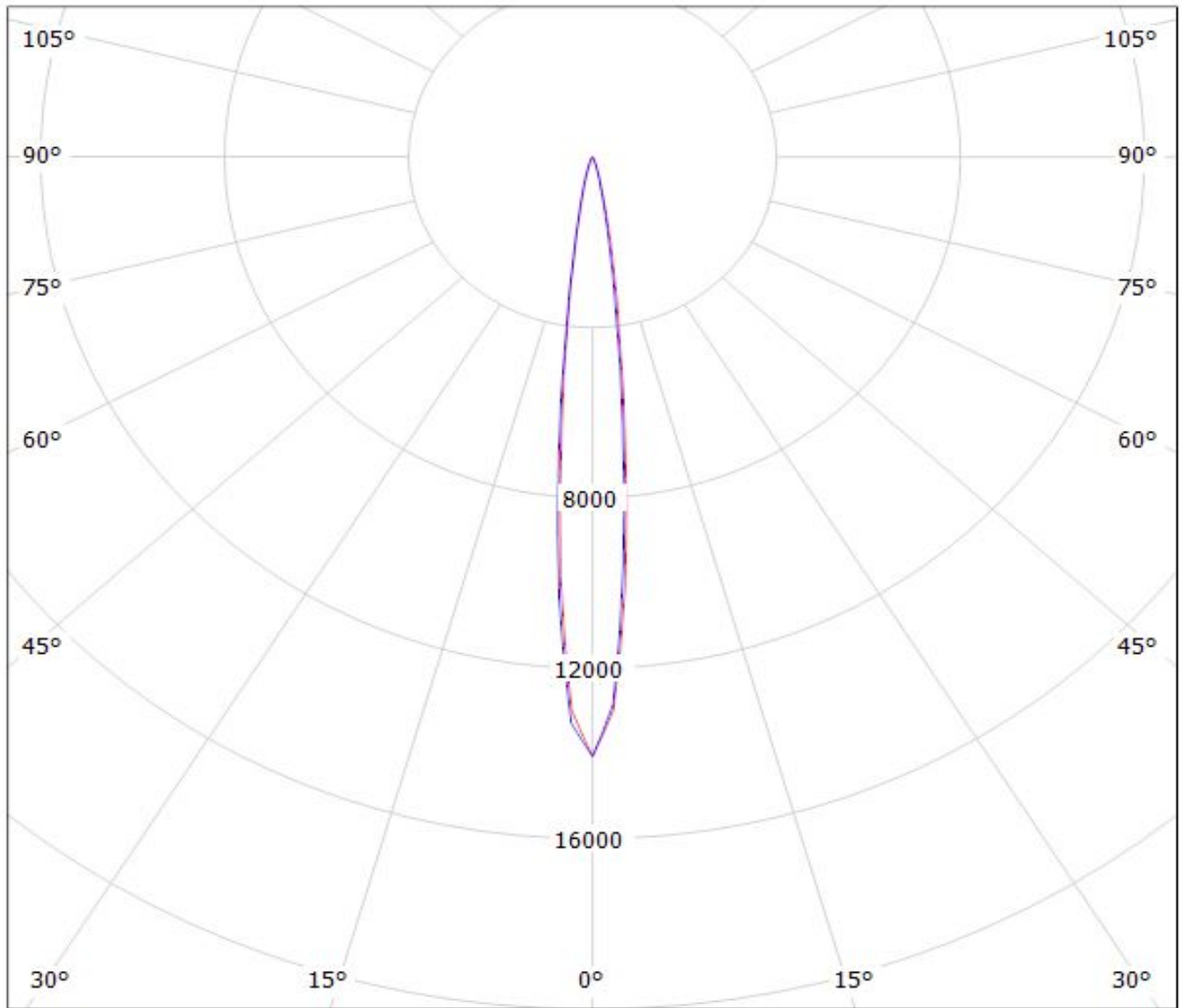
— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy CA12062_EMILY-D_(NS9x383) Eff. 90,1%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



Luminaire: Ledil Oy CA12062_EMILY-D_(LH351B) Efficiency=88%
Lamps: 1 x Samsung LH351B 106lm @ 250mA CCT= P=0.72W I=250mA



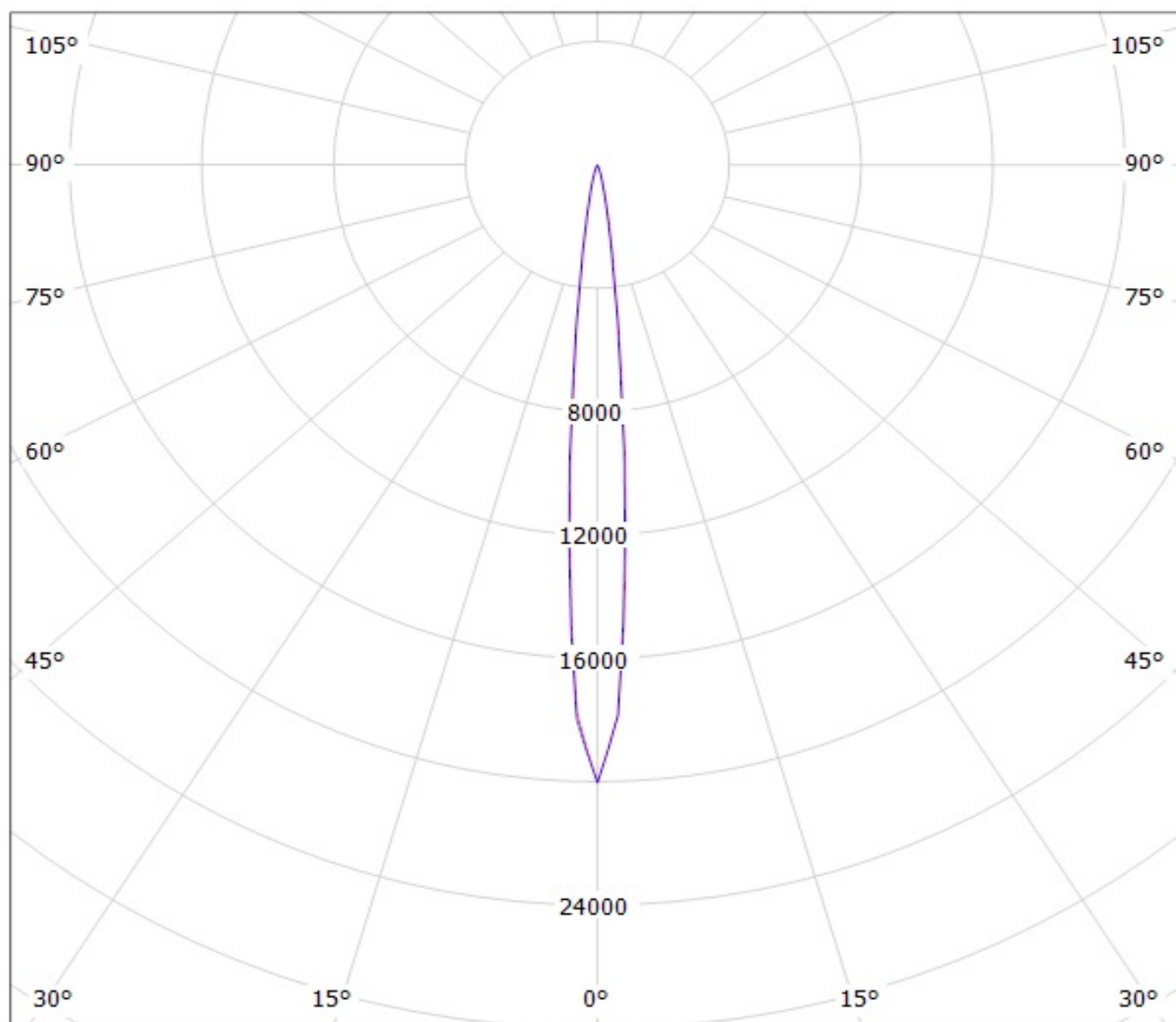
cd/klm

— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: Ledil Oy CA12062_EMILY-D_(LH351Z) Efficiency=88%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA

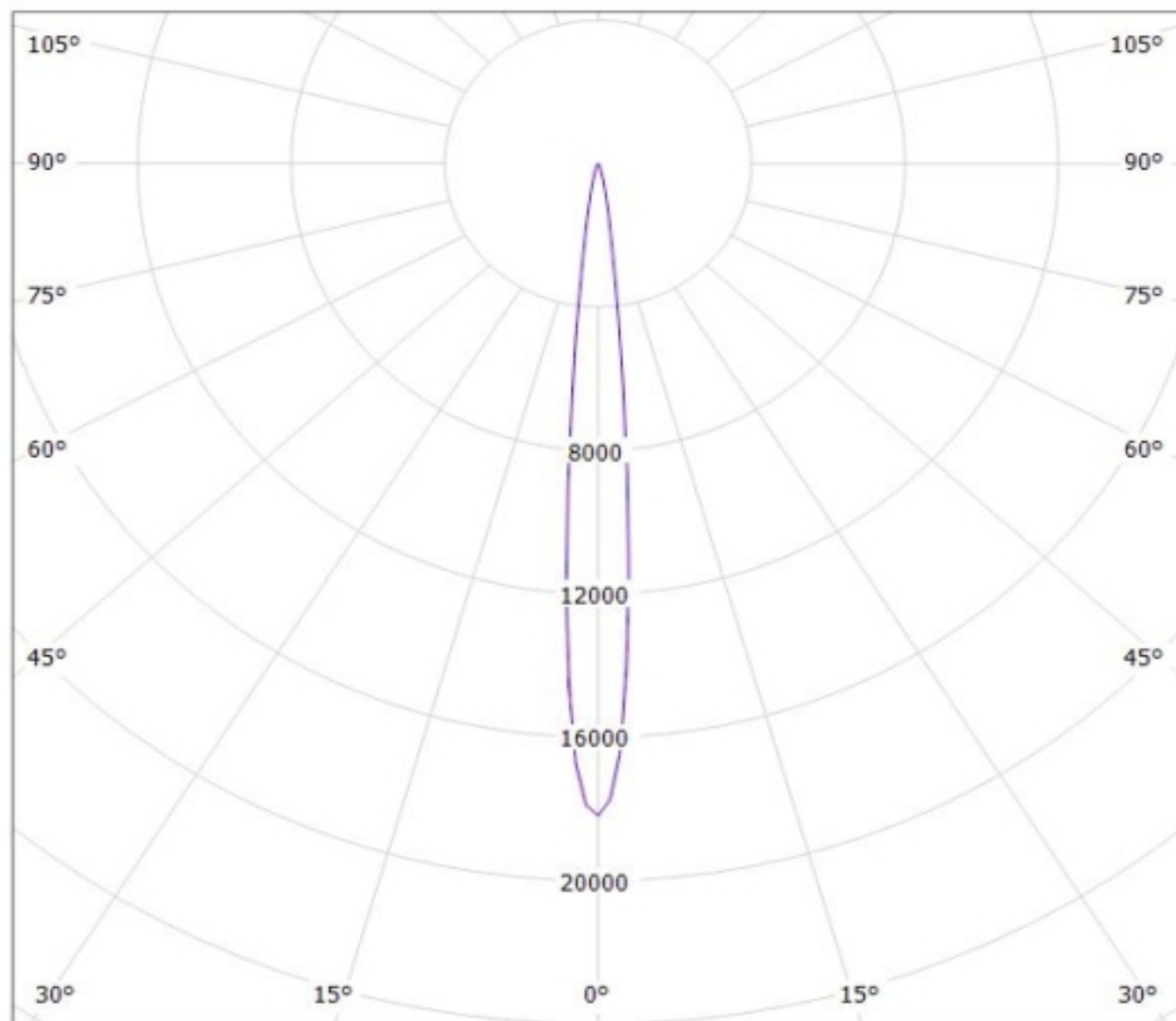


cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CA12062_EMILY-D_(SEOUL_Z5M1)

Lamps: 1 x CA12062_EMILY-D_(SZ5M1-W0-C8/W1-A5-G)_107.813lm@250mA_P=0.740229W_I=249.9mA



cd/klm

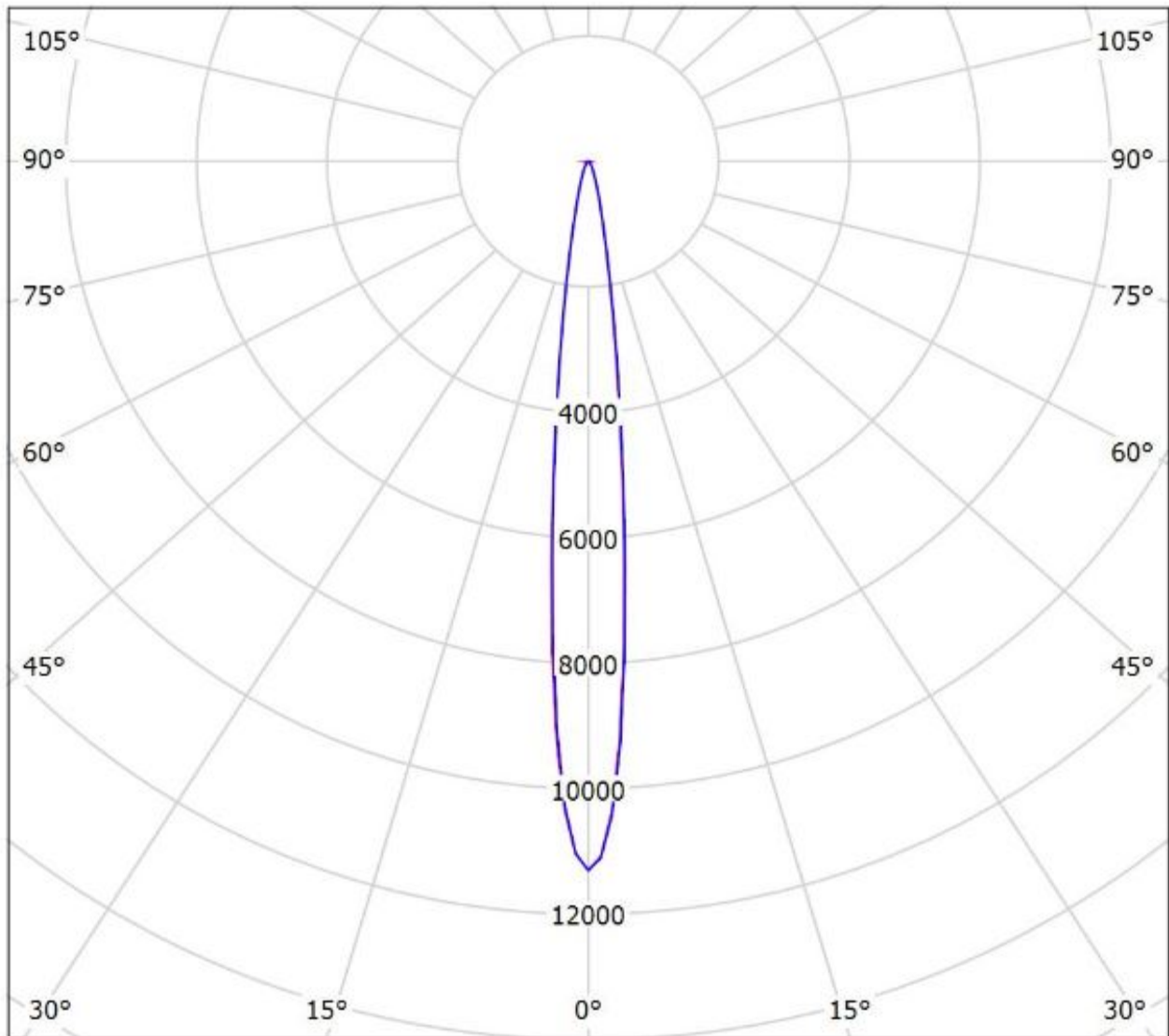
— C0 - C180

— C90 - C270

η = 93%

Luminaire: LEDiL Oy CA12062_EMILY-D_(Z8Y22plus)

Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_125.652lm@250mA_P=0.69312W_I=0.250A



cd/klm

$\eta = 93\%$

— C0 - C180

— C90 - C270

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.