PRODUCT DATASHEET
Emily series
last update 13/6/2016

DETAILS

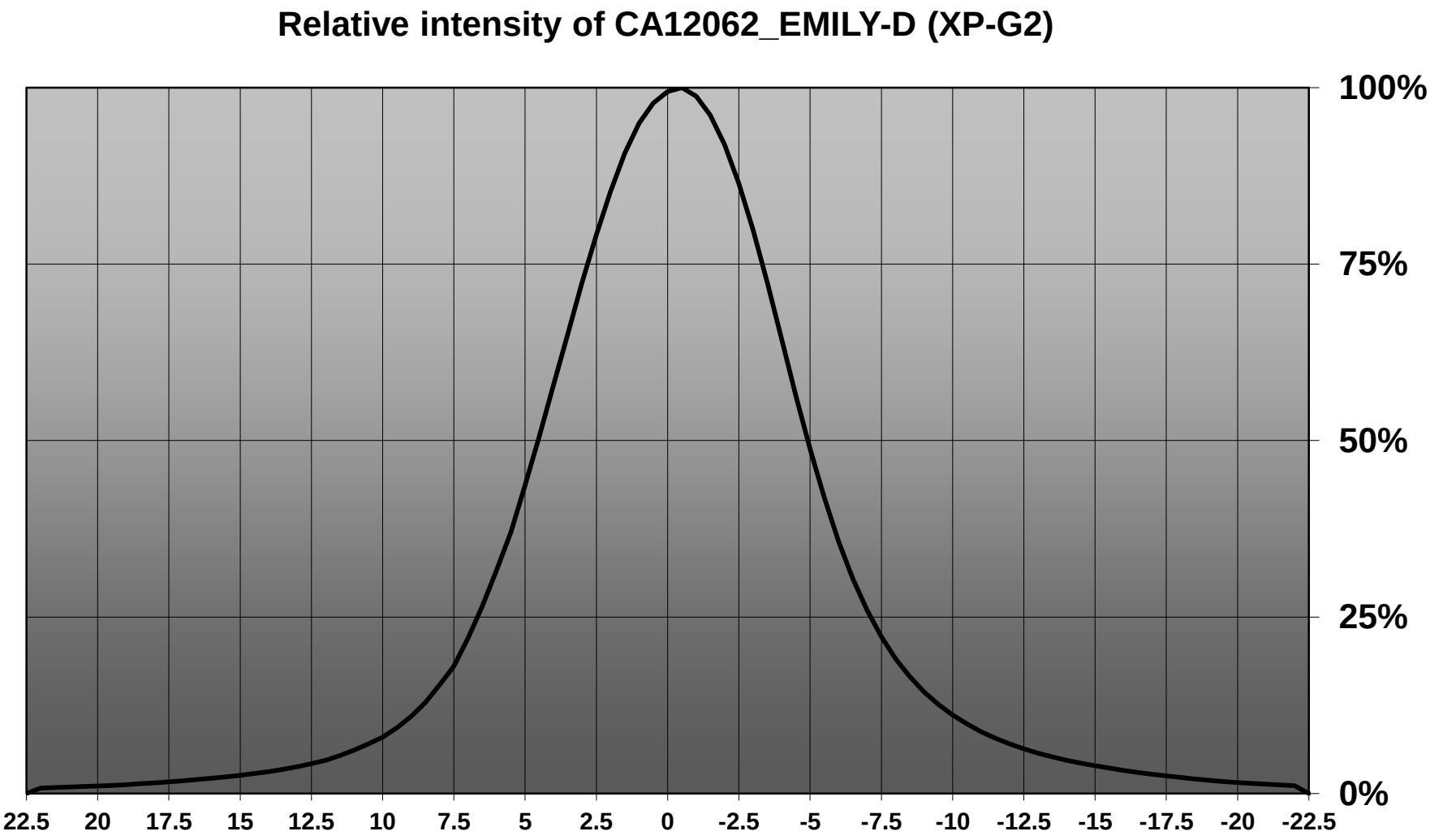
Product Number	CA12062_EMILY-D
Family	Emily
Type	Assembly
Color	clear
Diameter	26 mm
Height	14,74 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	tape, pin
Status	production ready
ROHS Compliant	Yes
Date Updated	13/06/2016

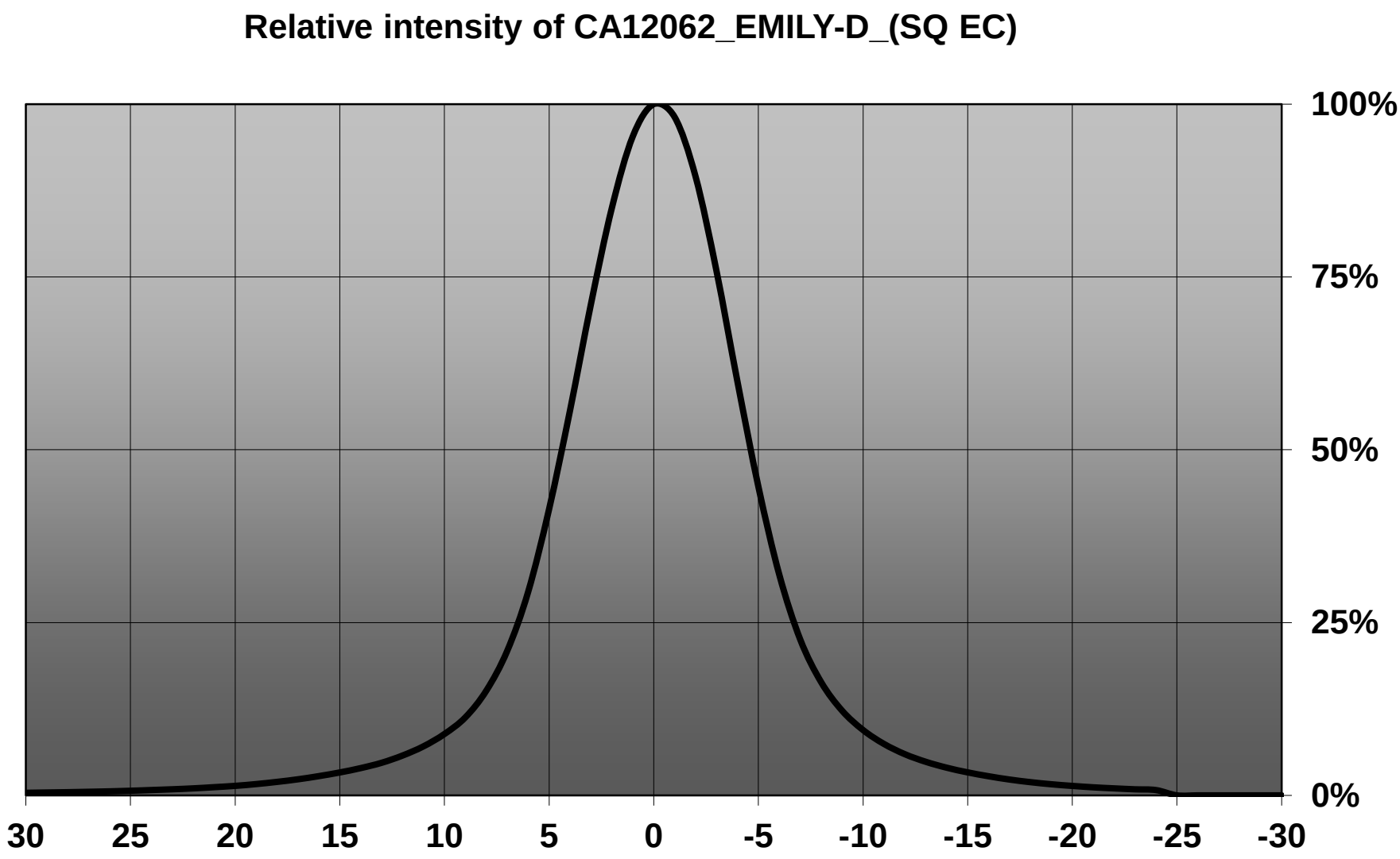
OPTICAL PROPERTIES

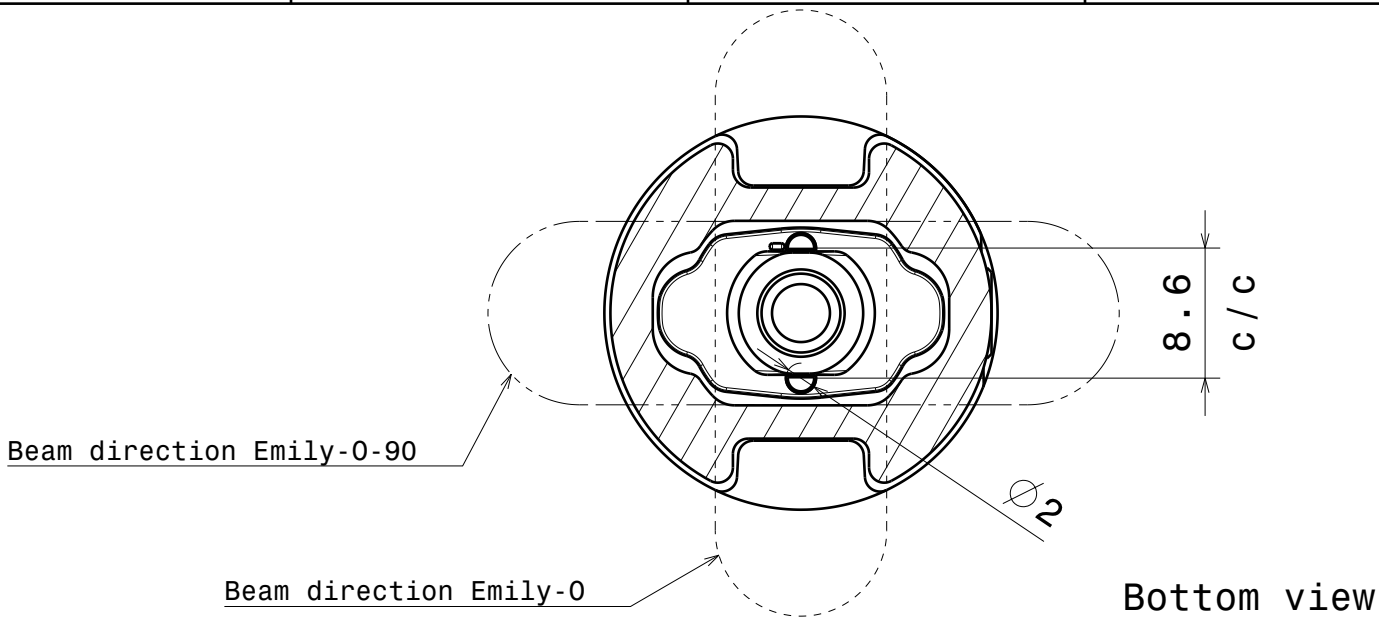
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XM-L	14 deg	Diffuser	90 %	10.100	-
XM-L HVW	sim: 14	Diffuser	88 %	9.400	-
XT-E	9 deg	Diffuser	-	14.000	-
XM-L2	14 deg	Diffuser	90 %	10.200	-
XP-G2	10 deg	Diffuser	90 %	20.800	-
XP-E2	8 deg	Diffuser	87 %	27.300	-
XP-L	13 deg	Diffuser	90 %	10.200	-
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	-
XD16	8 deg	Diffuser	92 %	18.400	-
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	-
Oslon Square Gen3	sim: 9,9	Diffuser	sim: 94 %	sim: 22.500	-
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	-

Ledil Oy
Salorankatu 10
24240 SALO, Finland

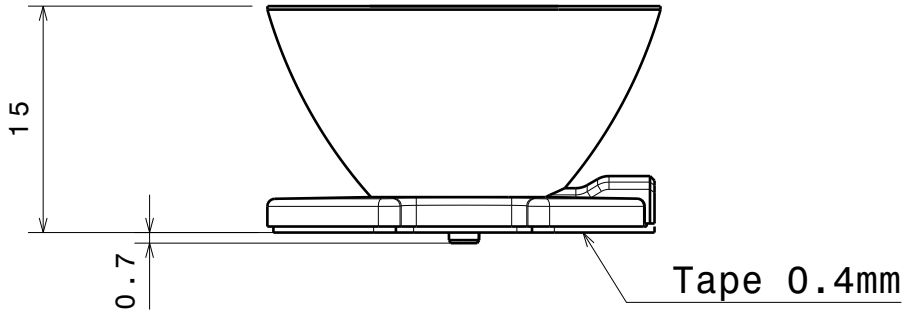
http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001


Relative intensity of CA12062_EMILY-D (XP-G2)
100%
75%
50%
25%
0%
22.5
20
17.5
15
12.5
10
7.5
5
2.5
0
-2.5
-5
-7.5
-10
-12.5
-15
-17.5
-20
-22.5

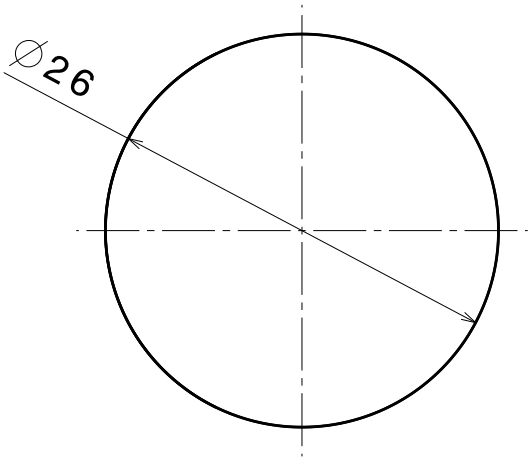

Relative intensity of CA12062_EMILY-D_(SQ EC)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30



Bottom view



Front view



Top view

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

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
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

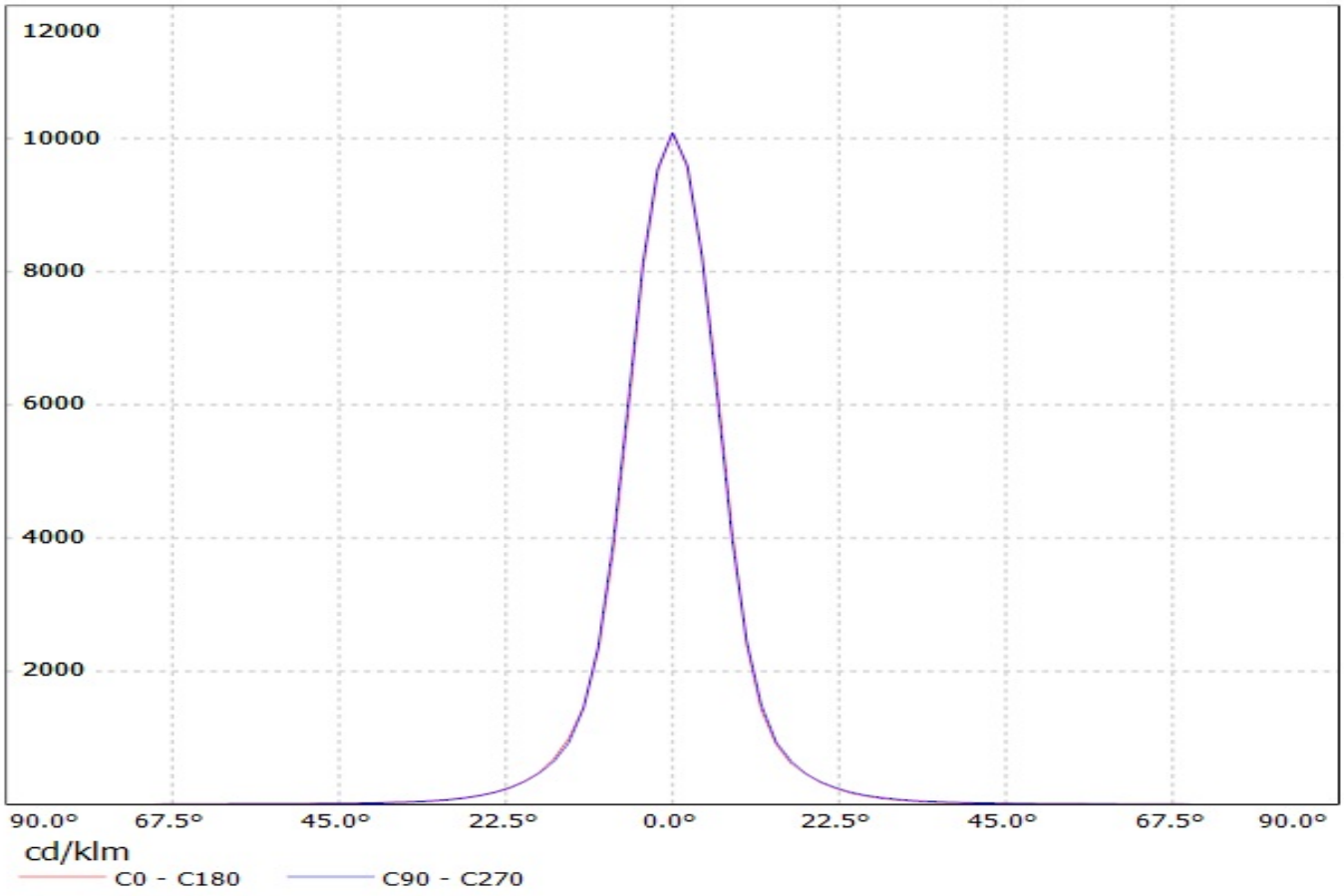
DRAWING TITLE

Datasheet Emily-RE-ES series lens

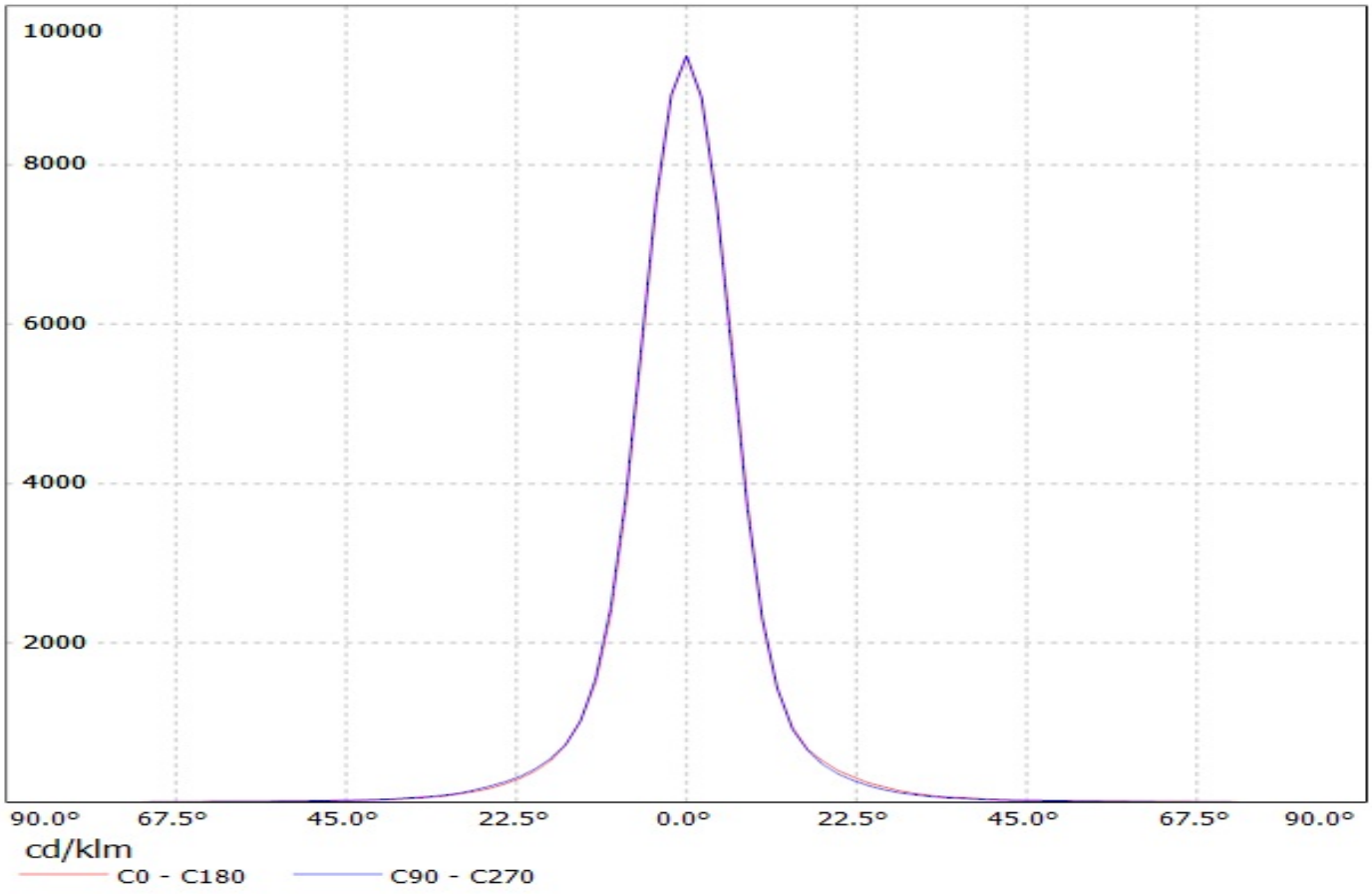
SIZE	PART NUMBER
A4	

SCALE	WEIGHT		SHEET
2:1			1/1

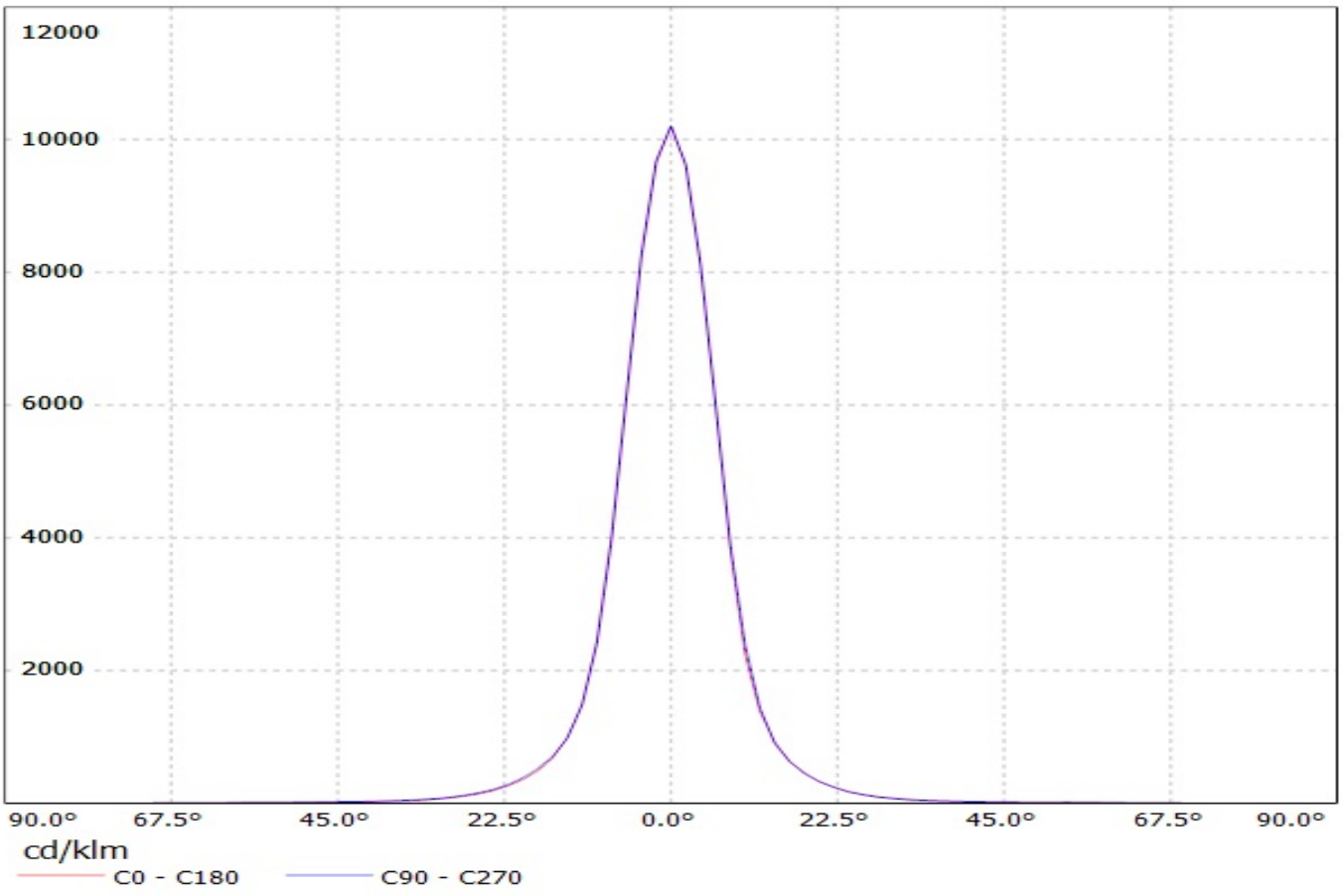
Luminaire: Ledil Oy CA12062_EMILY-D (Cree XM-L 92lm @ 250mA) Efficiency=90%
Lamps: 1 x Cree XM-L 92lm @ 250mA



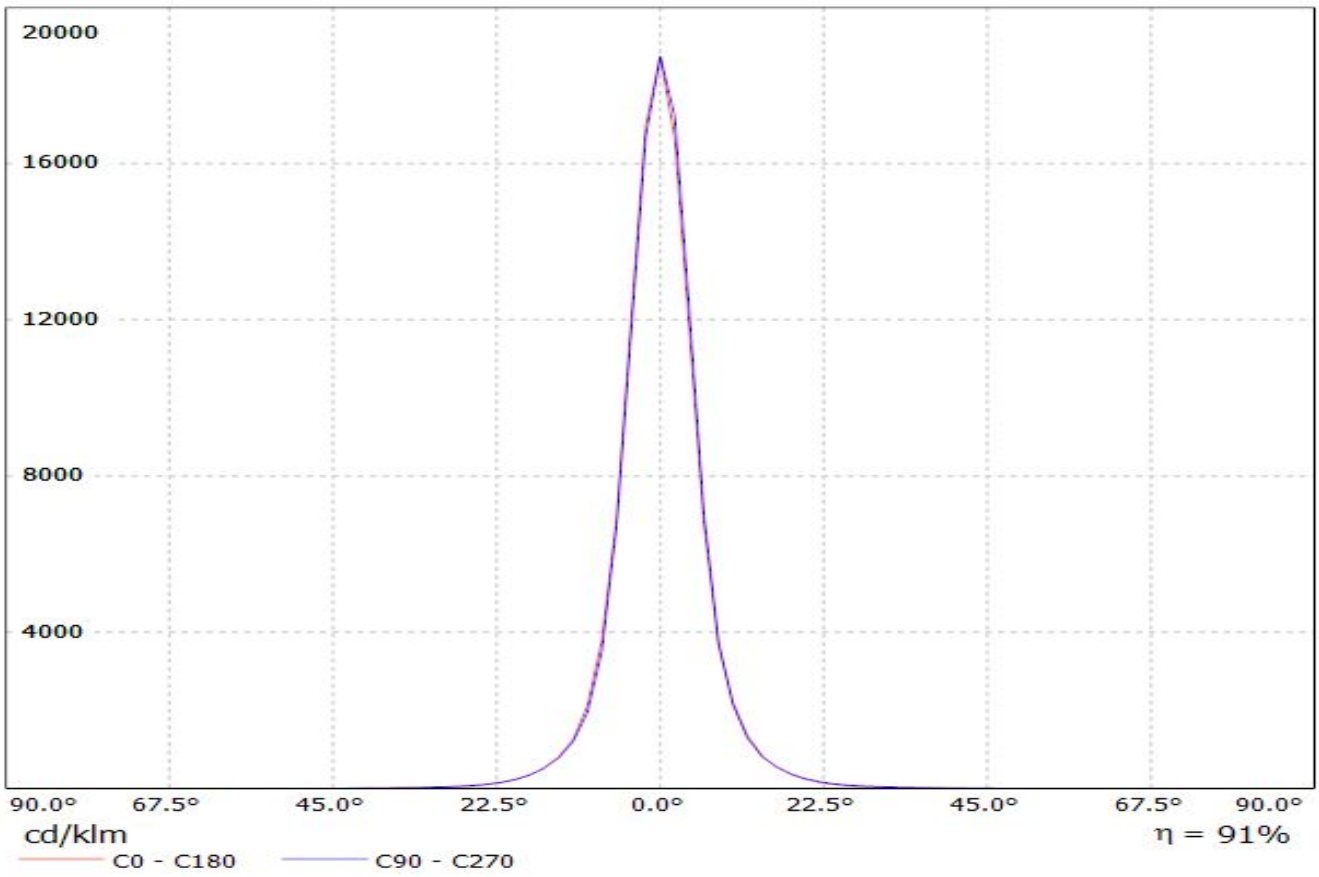
Luminaire: Ledil Oy CA12062_EMILY-D (Cree XM-L HVW 285lm 50mA) Efficiency=88%
Lamps: 1 x Cree XM-L HVW 285lm 50mA



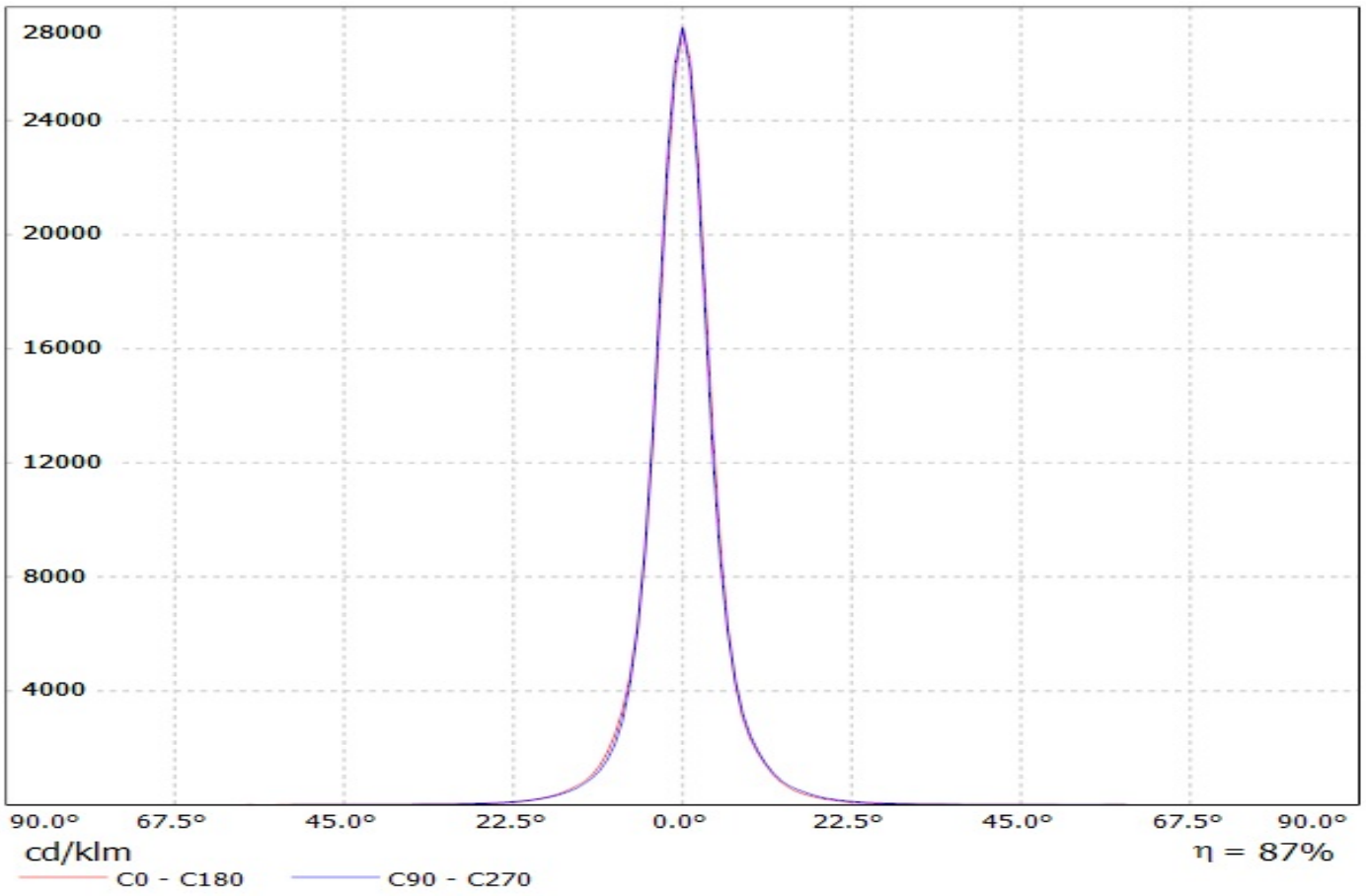
Luminaire: Ledil Oy CA12062_EMILY-D (Cree XM-L2 105lm @ 250mA) Efficiency=90%
Lamps: 1 x Cree XM-L2 105lm @ 250mA



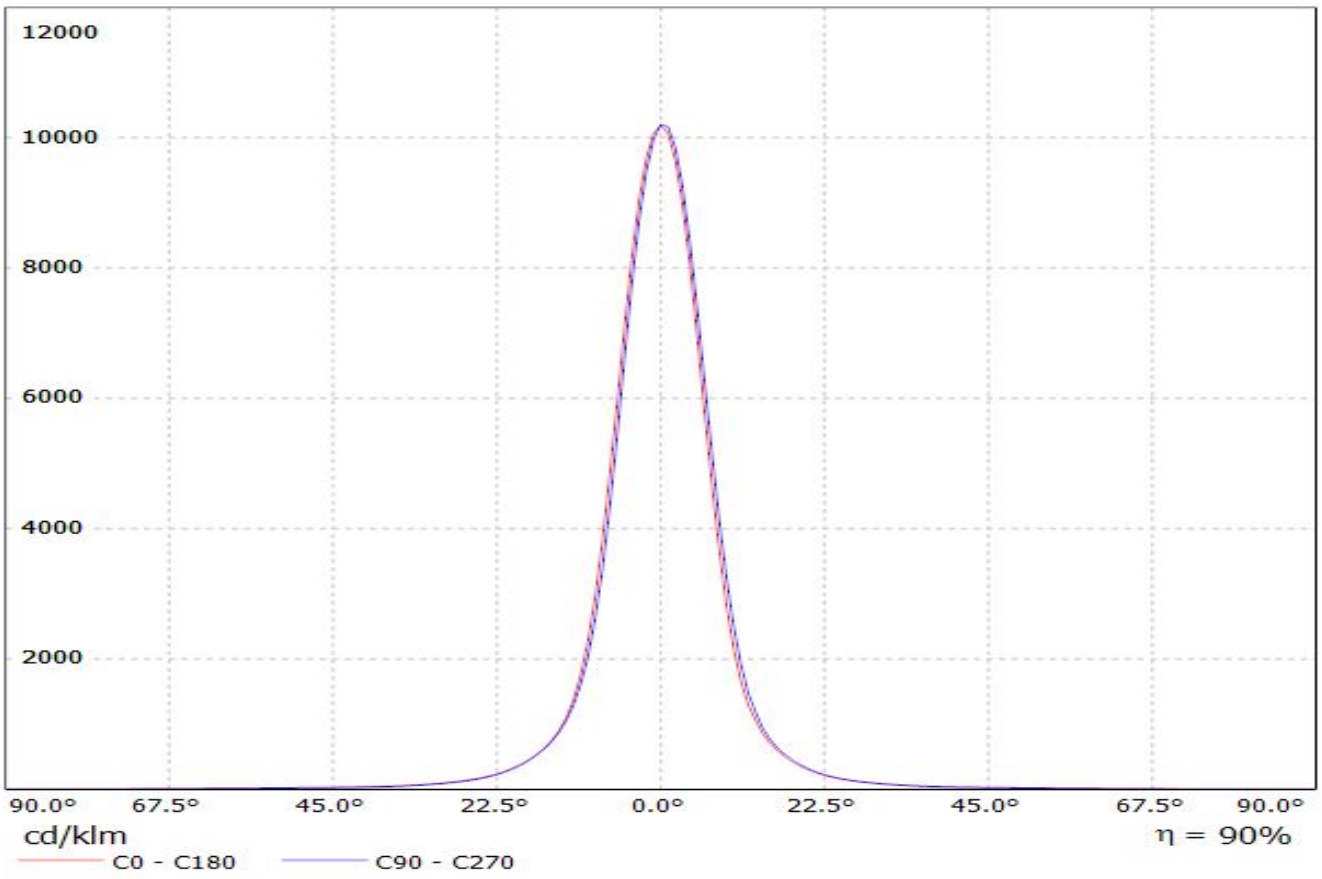
Luminaire: Ledil Oy CA12062_EMILY-D_(XP-G2) Efficiency=90%
Lamps: 1 x Cree XP-G2 103lm @ 250mA CCT= P=0.80W I=250mA



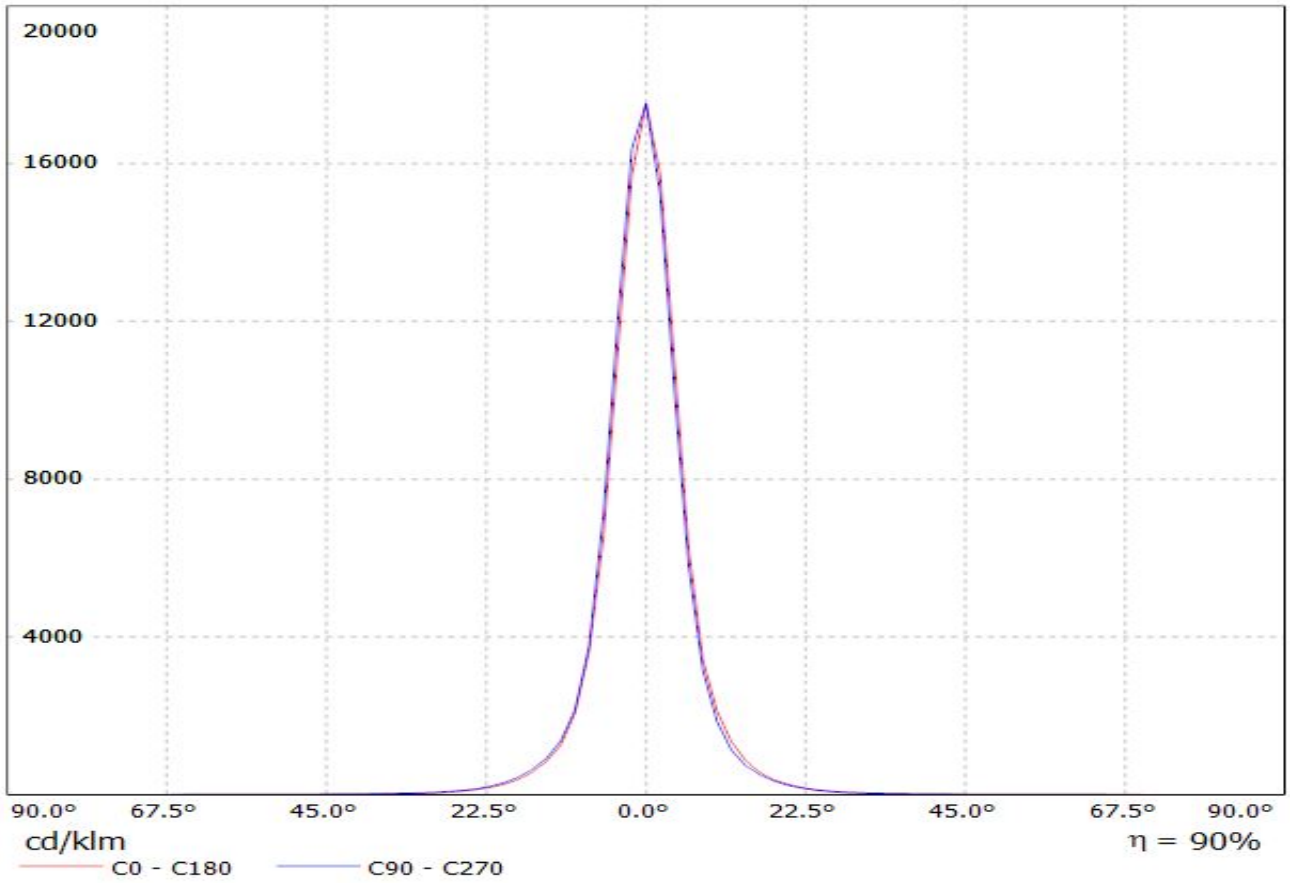
Luminaire: LEDil Oy CA12062_EMILY-D_(XP-E2)
Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 78.62lm @ 250mA P=0.8W I=250mA



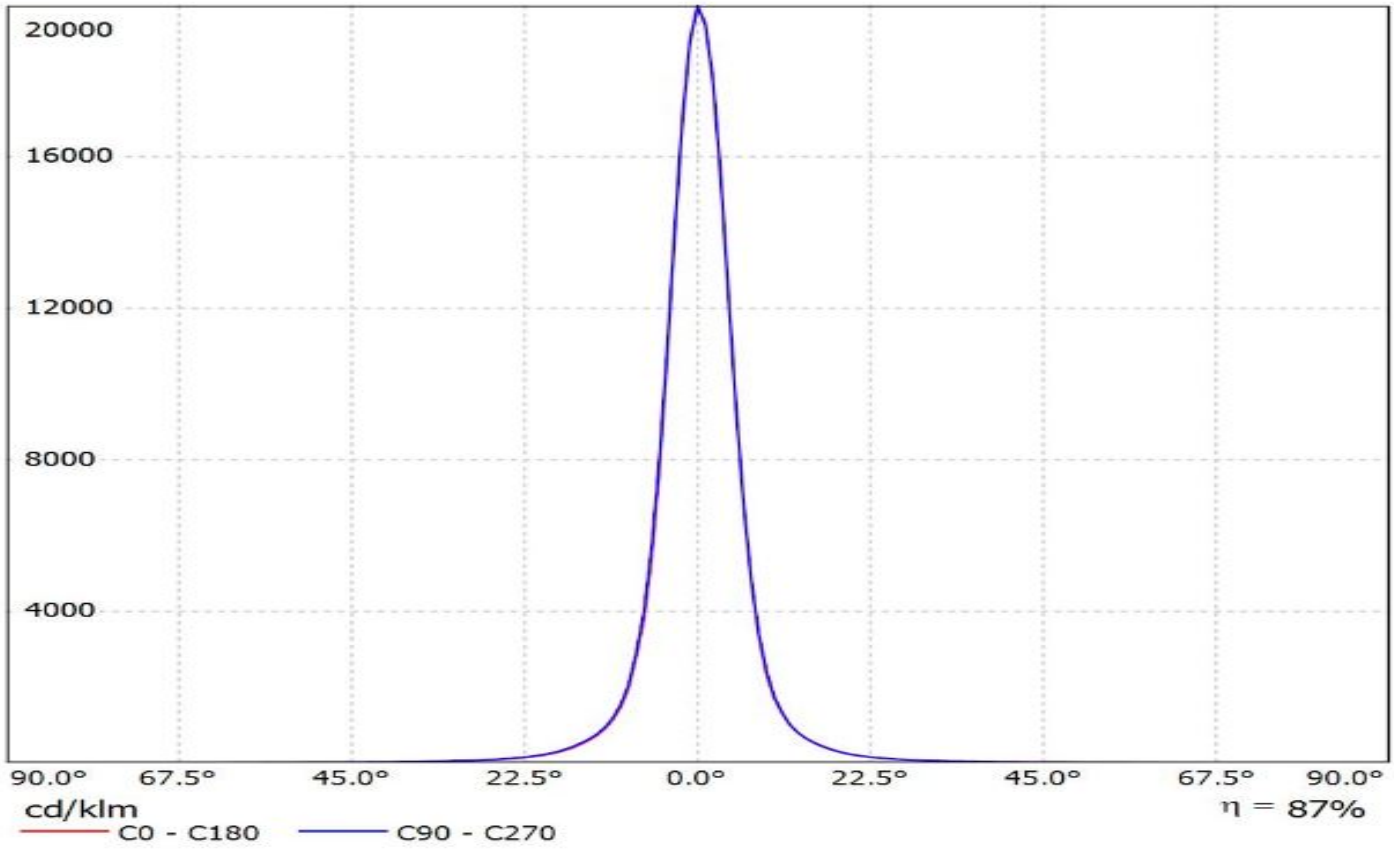
Luminaire: LEDiL Oy CA12062_EMILY-D_(XP-L) Eff.90.4%
Lamps: 1 x Cree_XP-L_127.813lm@250mA_P=0.73723W_I=249.9mA



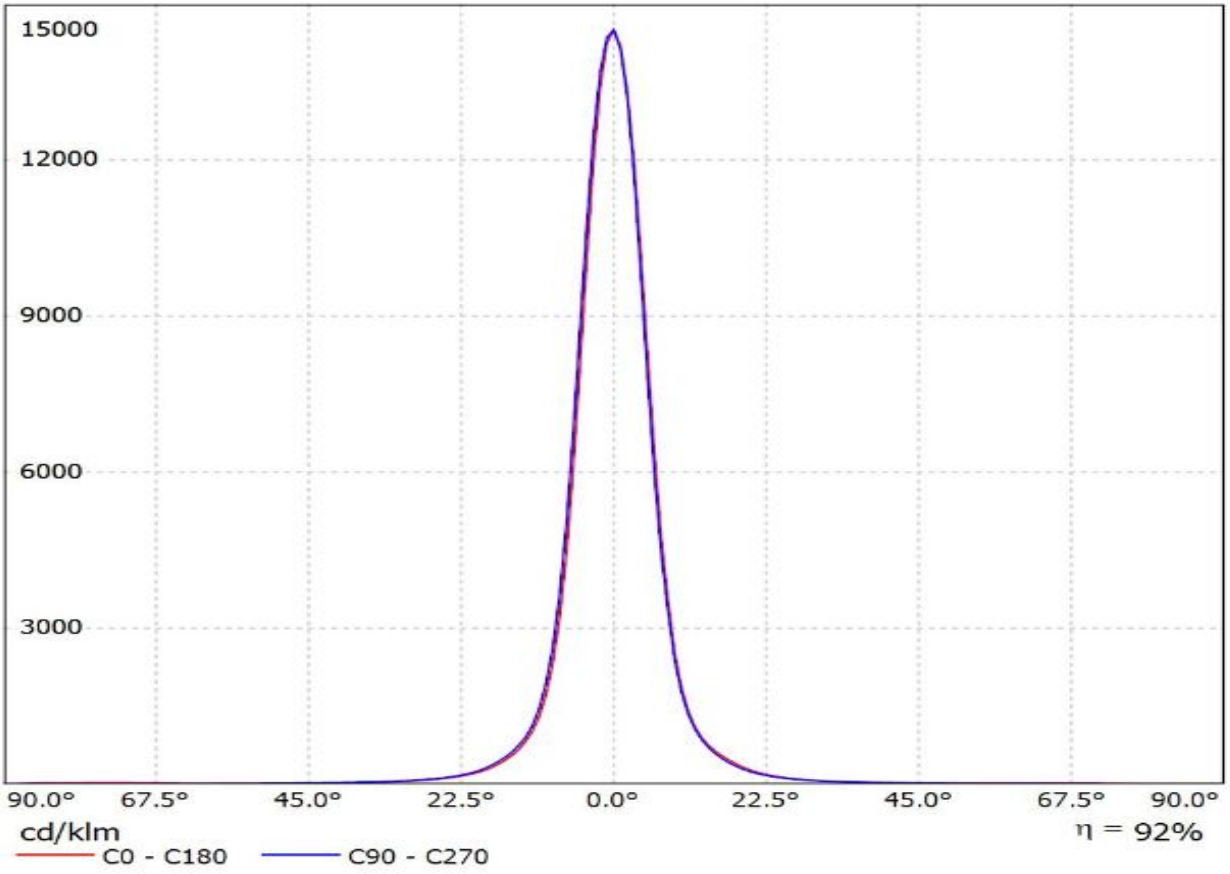
Luminaire: Ledil Oy CA12062_EMILY-D_(XB-H)
Lamps: 1 x Cree XB-H (XBHAWT-0-3C0-T50-0B-0001) 106lm @ 250mA CCT= P=0.73W I=250mA



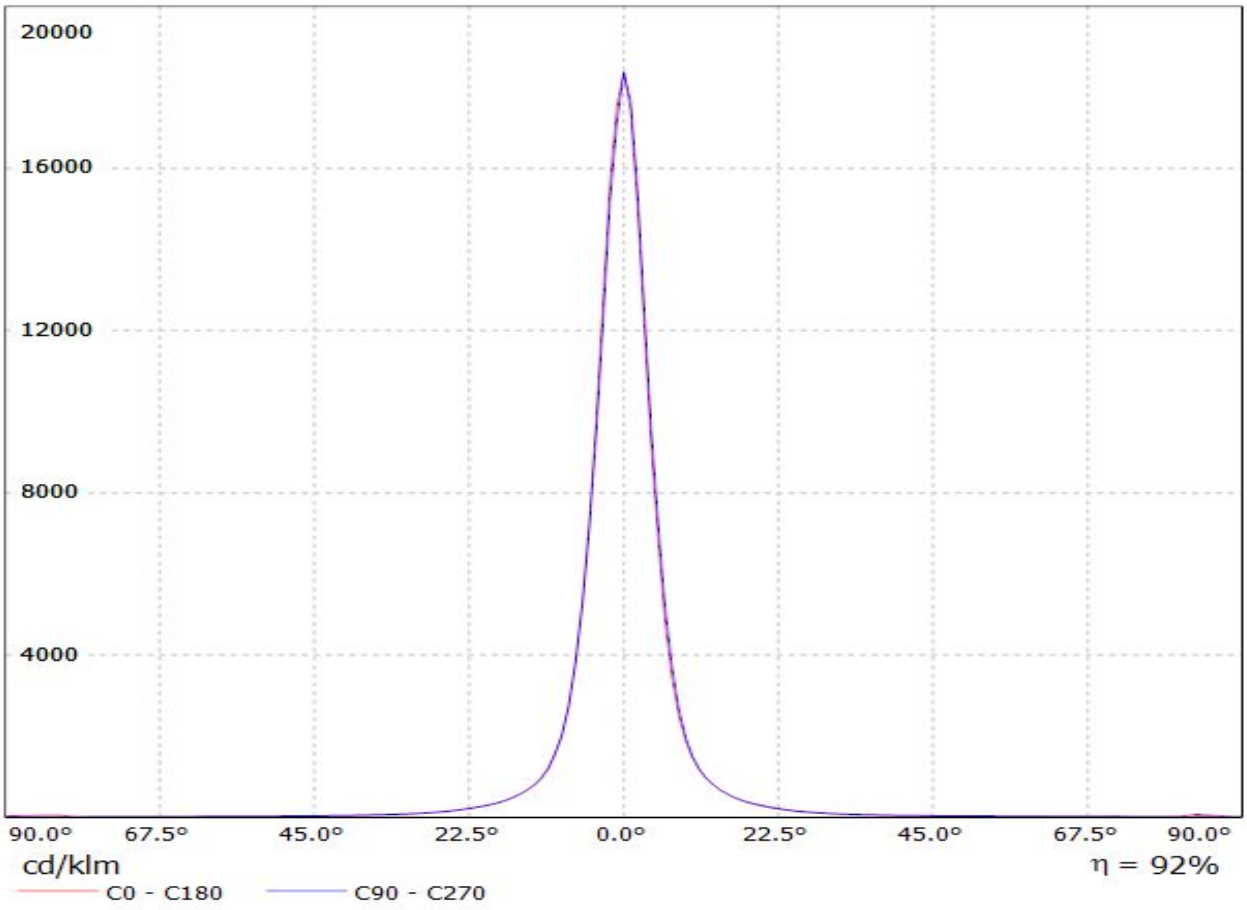
Luminaire: Ledil CA12062_EMILY-D_(XP-L_HI)
Lamps: 1 x CREE_XP-L_HI_116.971lm@250mA_P=0.75W_I=0.25A



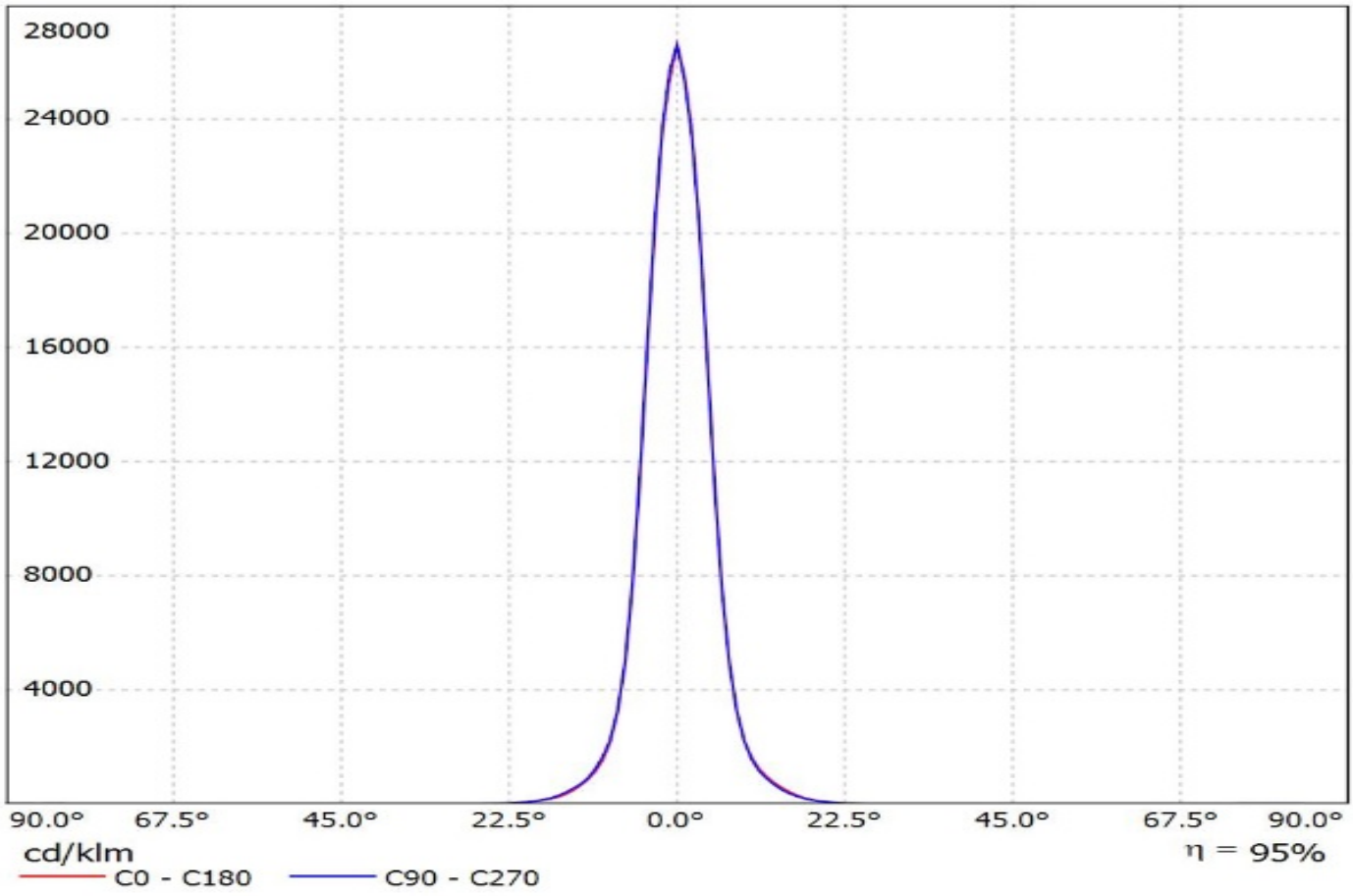
Luminaire: Ledil CA12062_EMILY-D_(XHP35_HI)
Lamps: 1 x Cree_XHP35_HI_412.464lm@250mA_P=2.88075W_I=0.25A



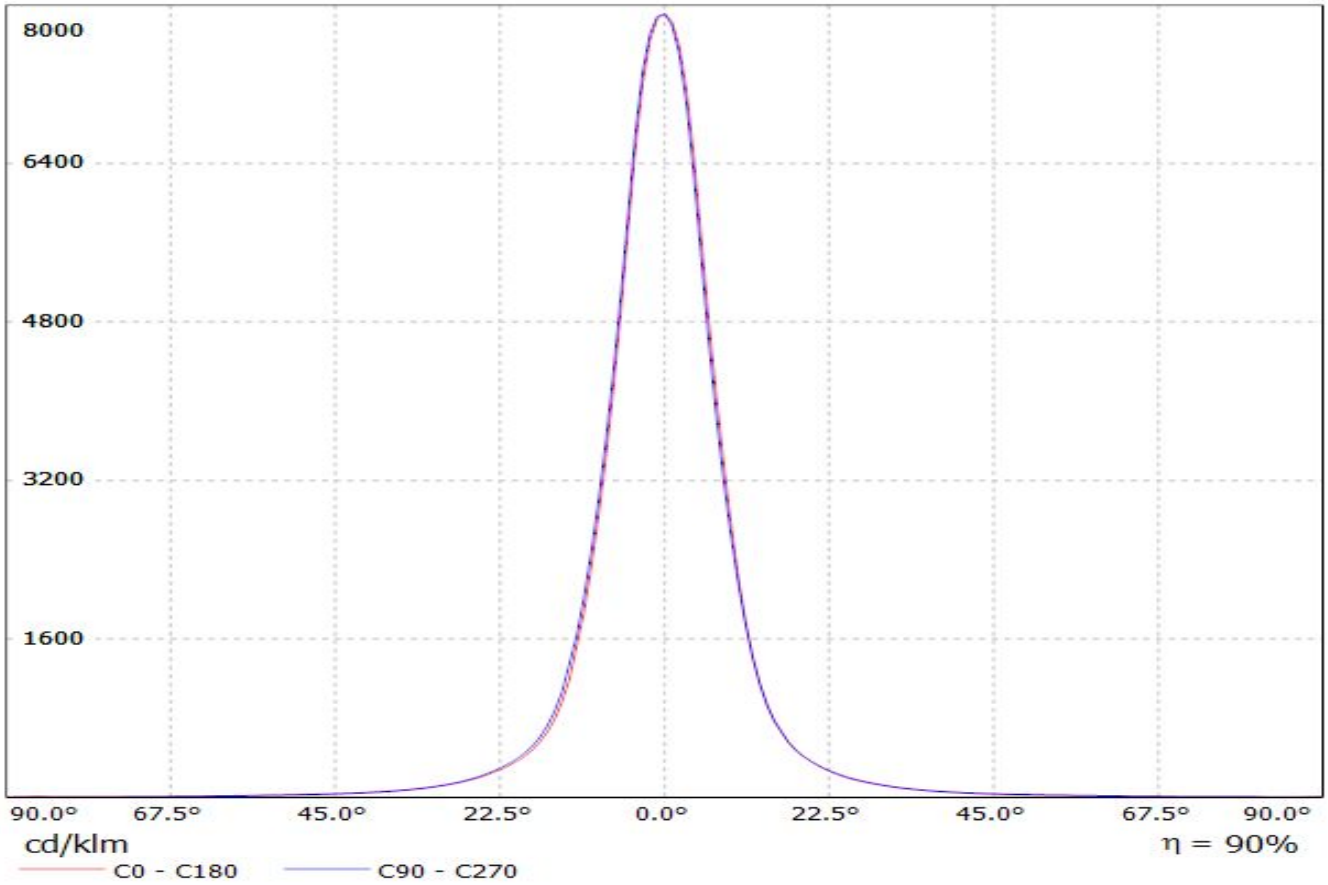
Luminaire: LEDiL Oy CA12062_EMILY-D_(XD16)
Lamps: 1 x Cree_XD16_(XD16AWT-H-2B0-S20-0B-002)_115.272lm@250mA_CCT=5700K_P=0.707833W_U=2.8336V



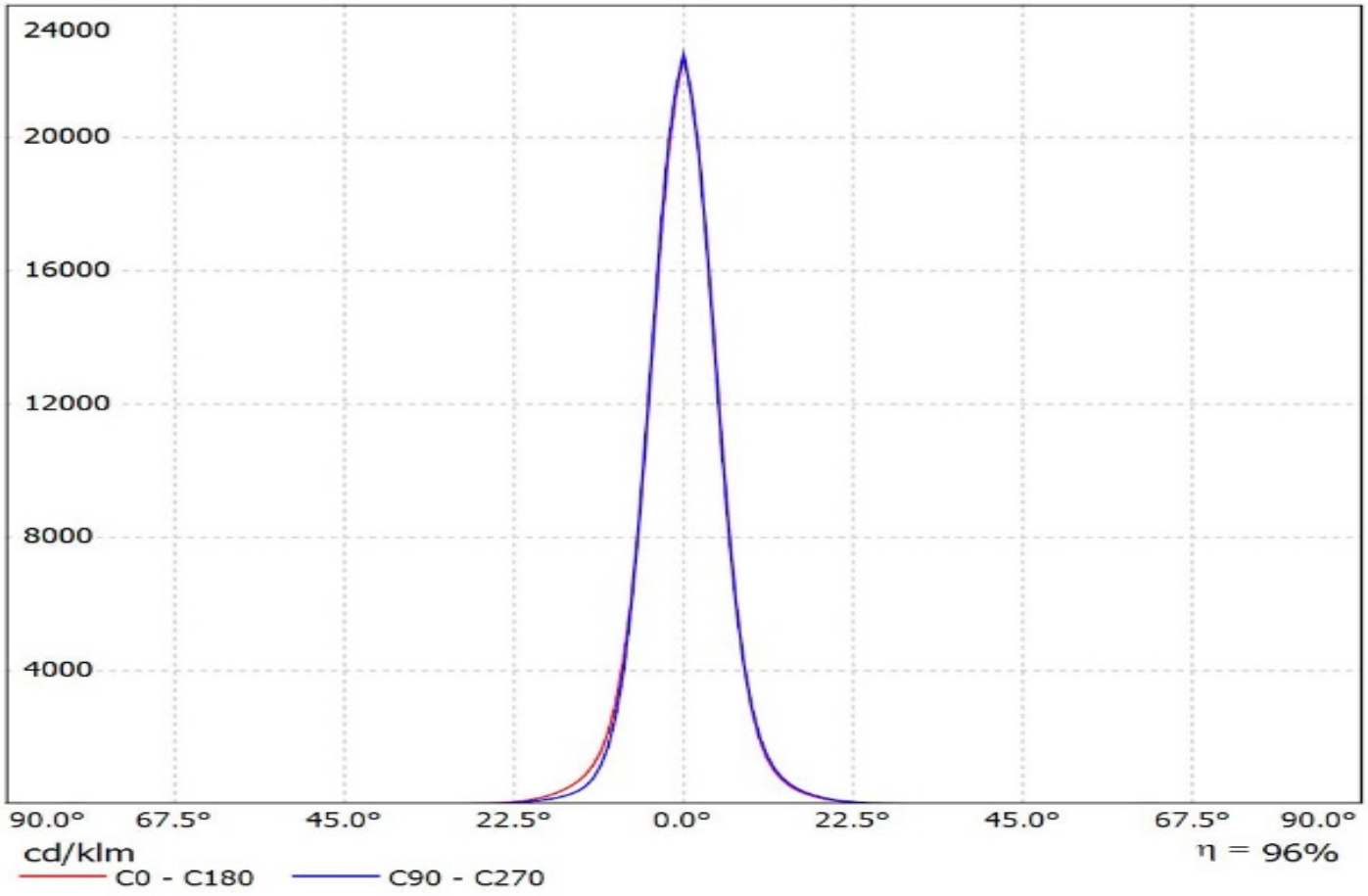
Luminaire: Ledil Oy CA12062_EMILY-D_(Luxeon_Rebel_ES)_SIMULATED
Lamps: 1 x Lumileds Luxeon Rebel ES (LXML-PWN2)



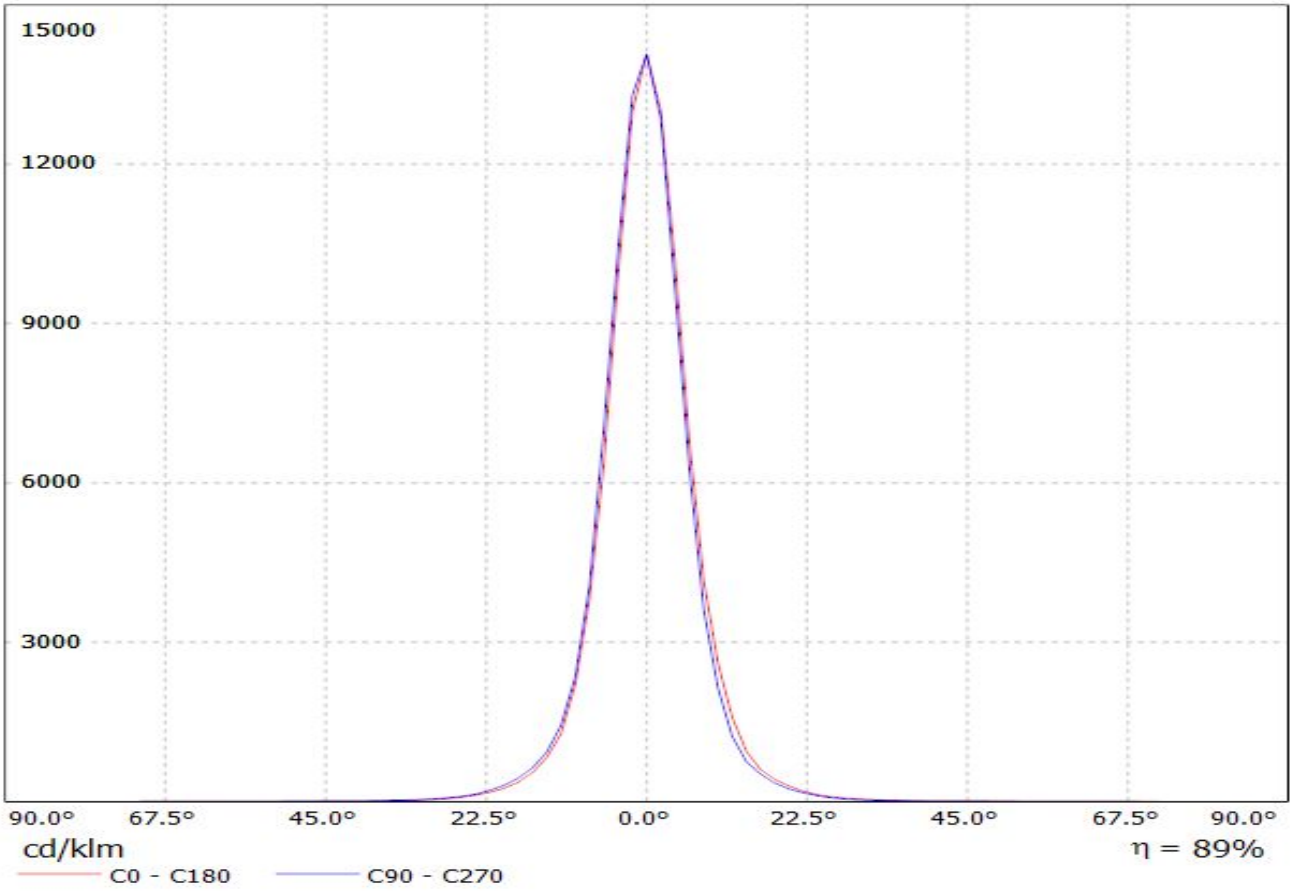
Luminaire: LEDiL Oy CA12062_EMILY-D_(NS9x383) Eff. 90,1%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



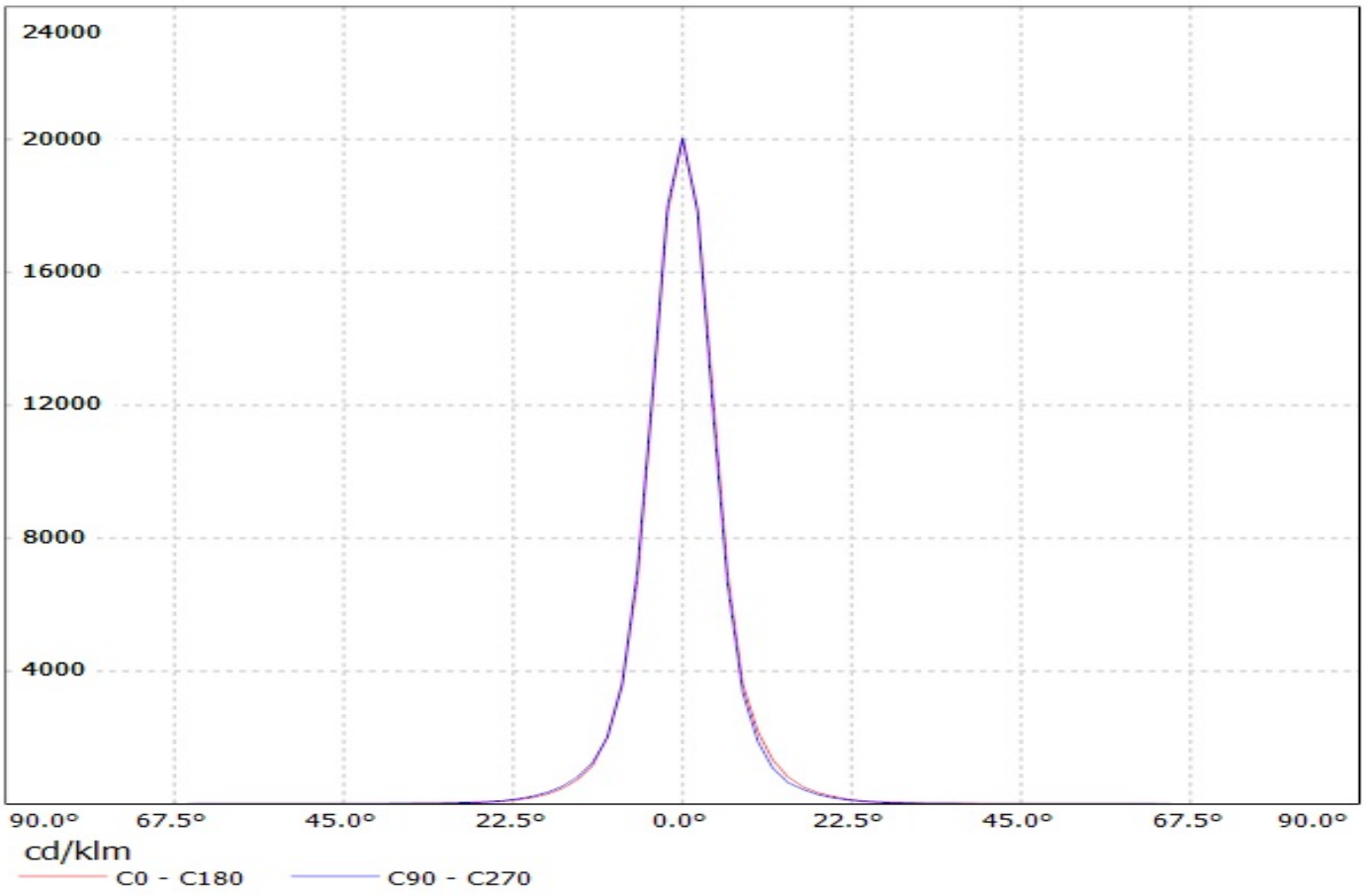
Luminaire: Ledil Oy CA12062_EMILY-D_(Oslon_Square_Gen3)_SIMULATED
Lamps: 1 x Osram Oslon Square Gen3 - GW CSSRM2.PM



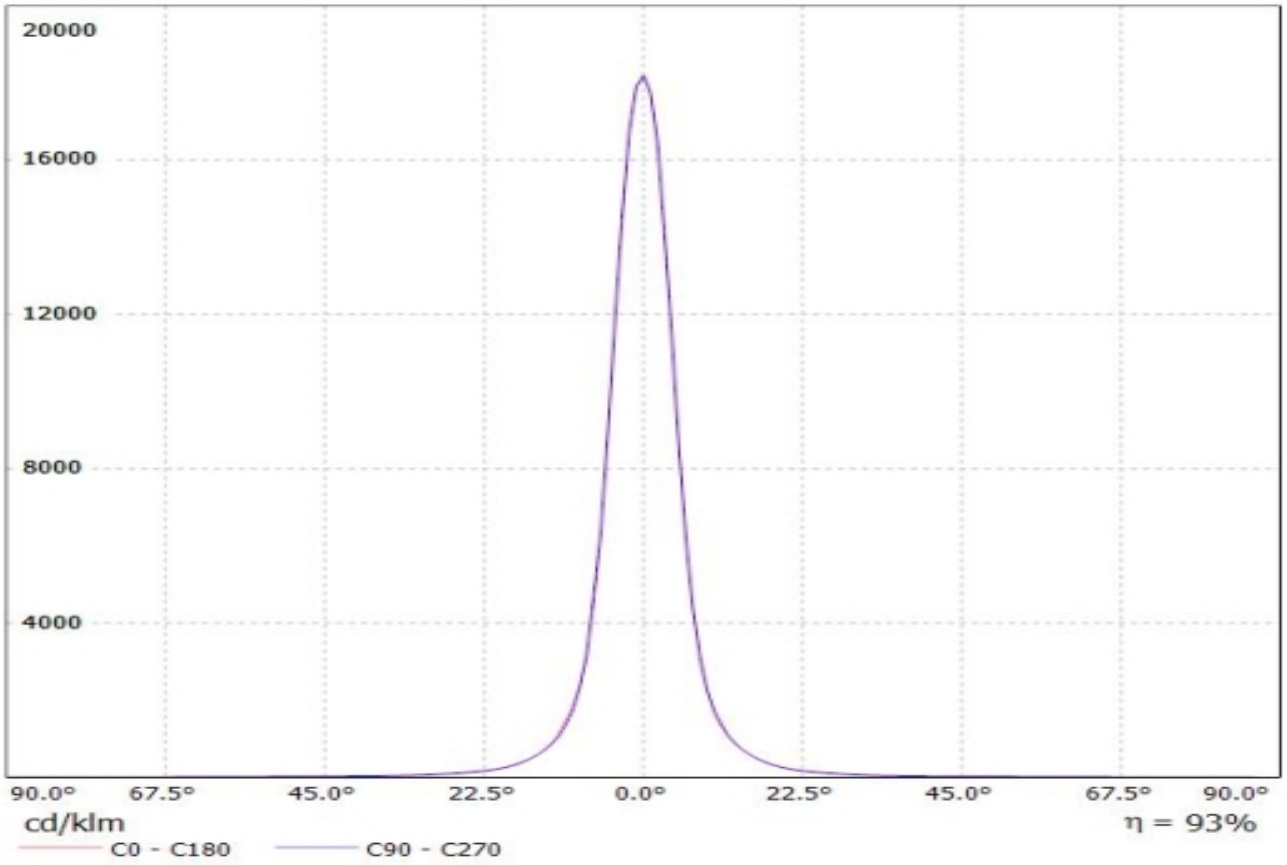
Luminaire: Ledil Oy CA12062_EMILY-D_(LH351B) Efficiency=88%
Lamps: 1 x Samsung LH351B 106lm @ 250mA CCT= P=0.72W I=250mA



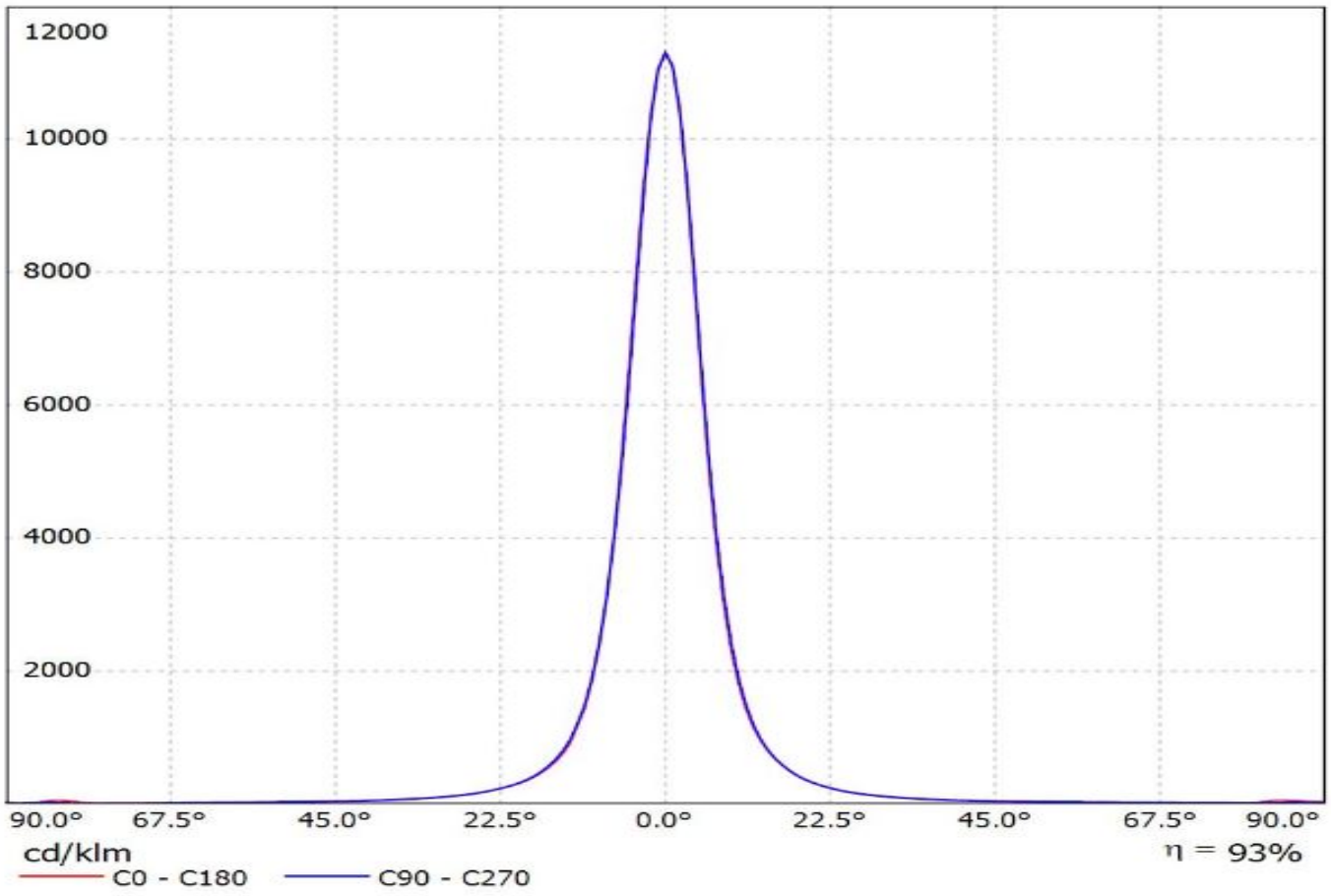
Luminaire: Ledil Oy CA12062_EMILY-D_(LH351Z) Efficiency=88%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



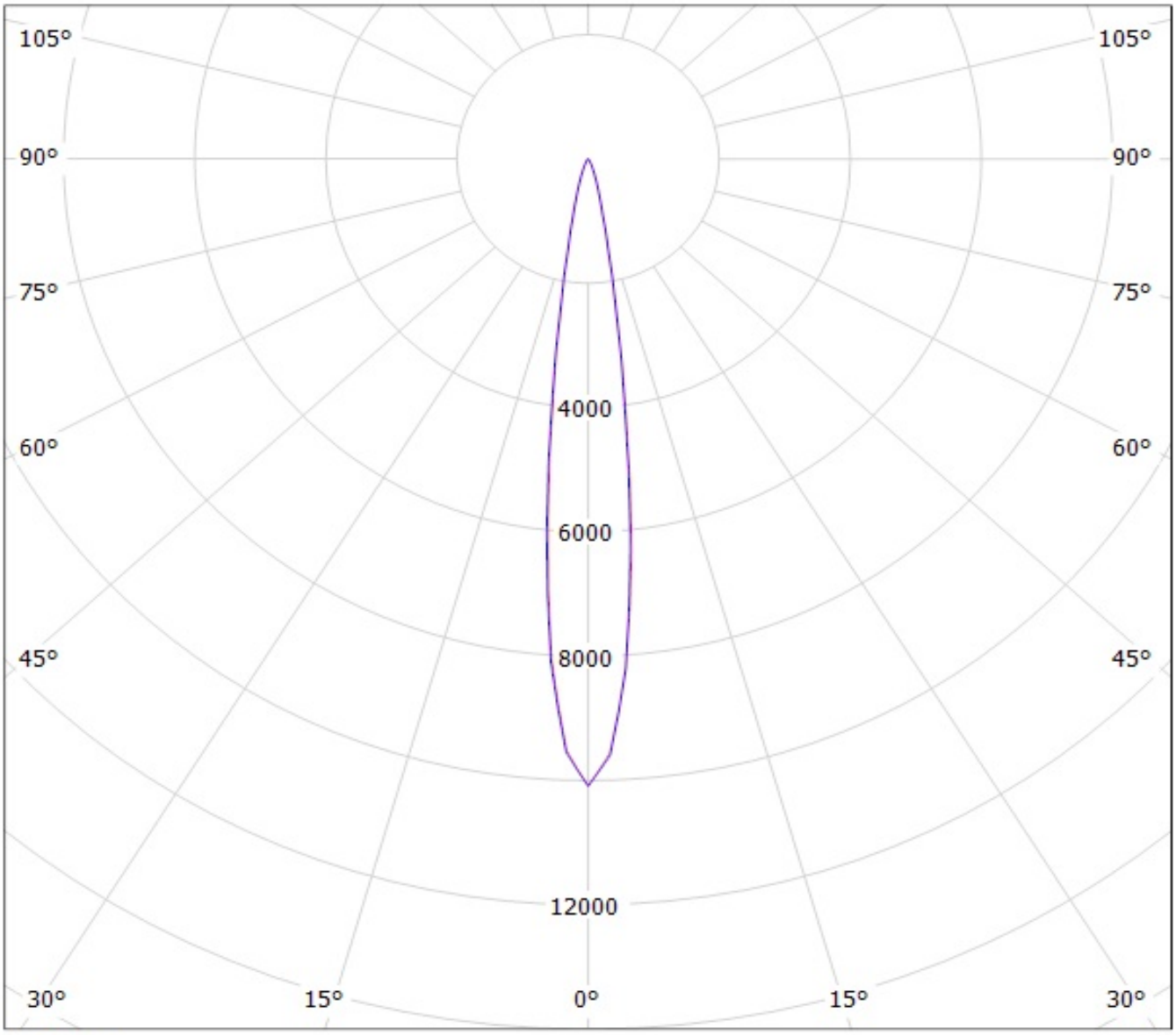
Luminaire: LEDiL Oy CA12062_EMILY-D_(SEOUL_Z5M1)
Lamps: 1 x CA12062_EMILY-D_(SZ5M1-W0-C8/W1-A5-G)_107.813lm@250mA_P=0.740229W_I=249.9mA



Luminaire: LEDiL Oy CA12062_EMILY-D_(Z8Y22plus)
Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_125.652lm@250mA_P=0.69312W_I=0.250A



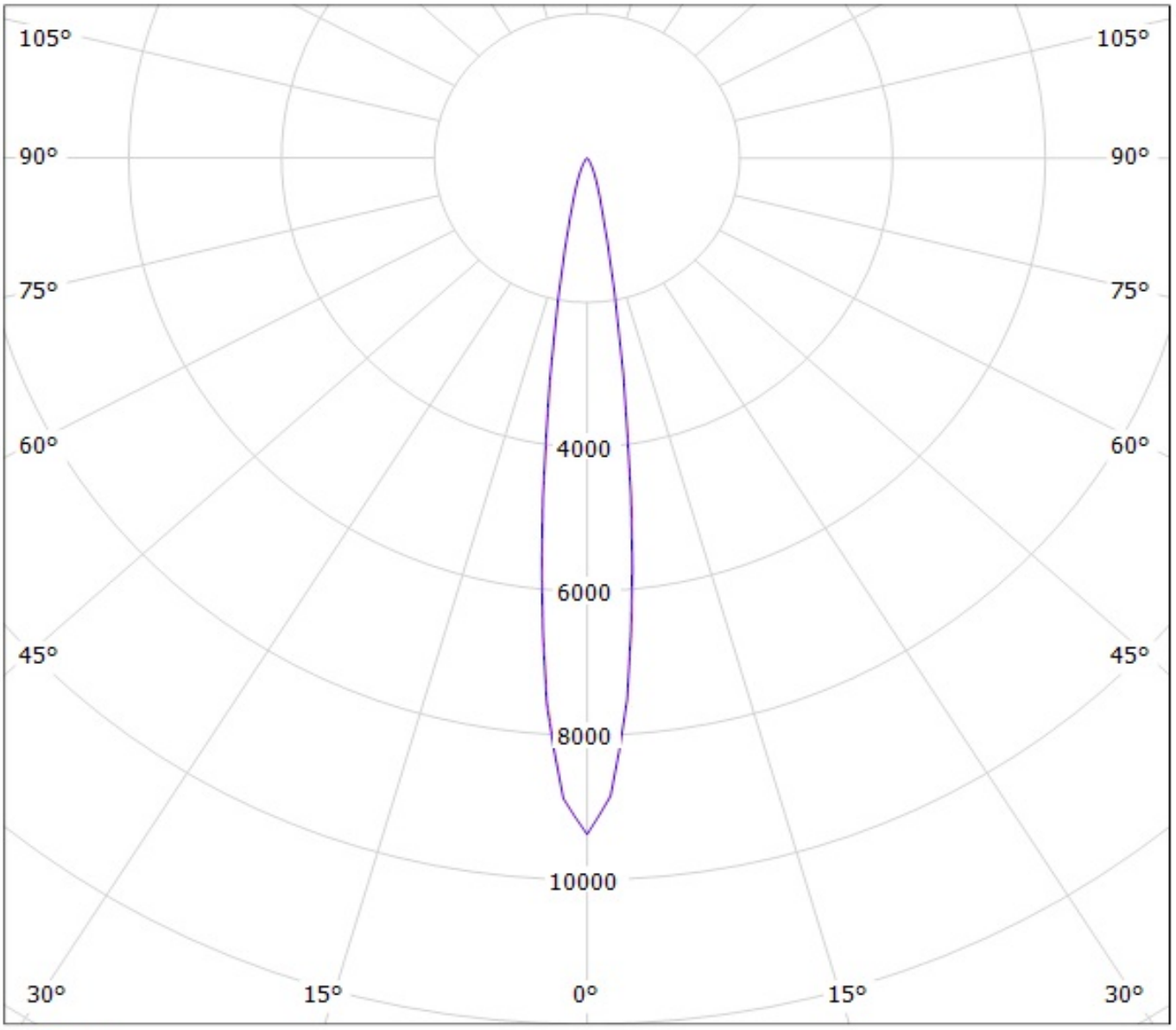
Luminaire: Ledil Oy CA12062_EMILY-D (Cree XM-L 92lm @ 250mA) Efficiency=90%
Lamps: 1 x Cree XM-L 92lm @ 250mA



cd/klm

C0 - C180 C90 - C270

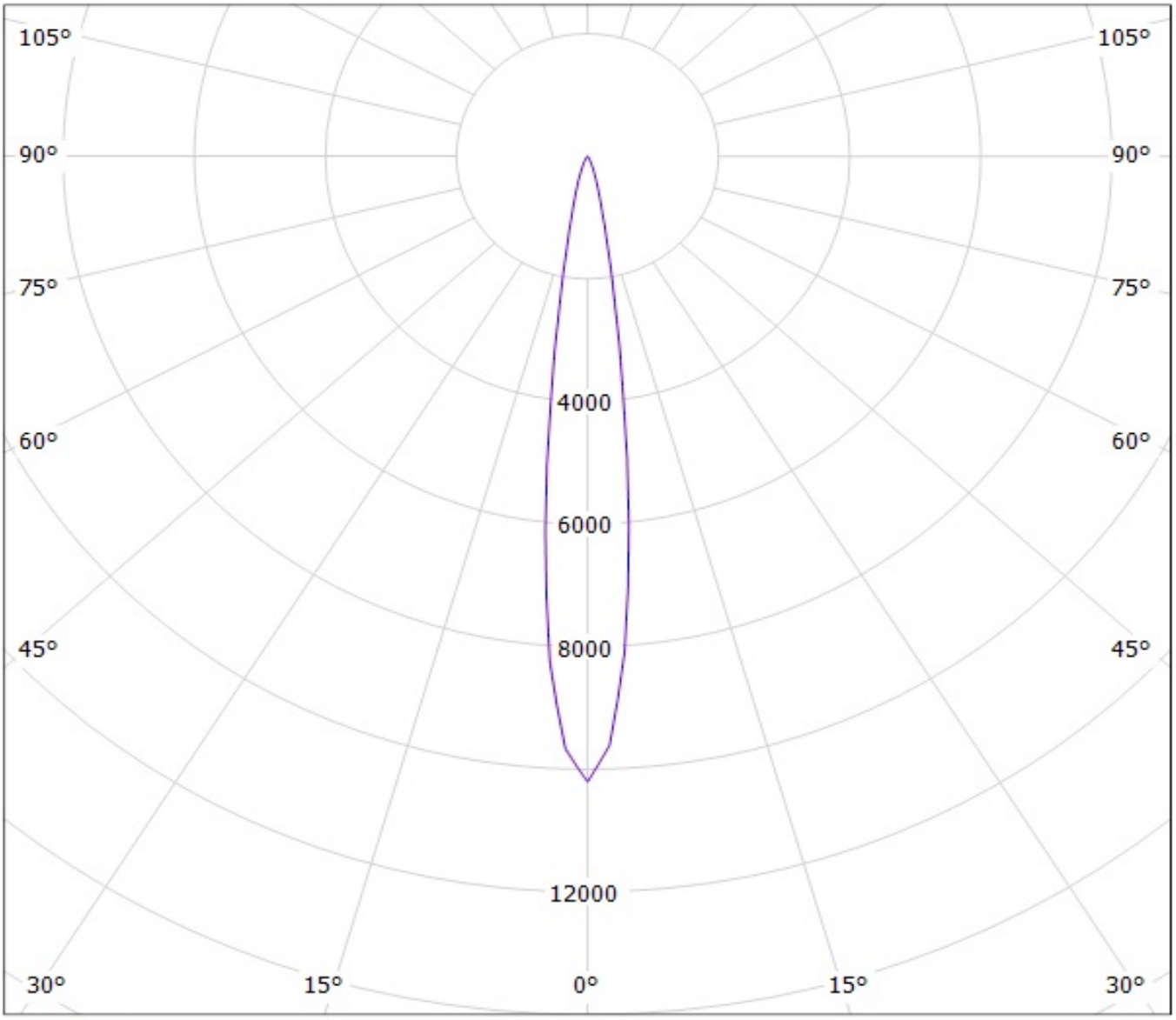
Luminaire: Ledil Oy CA12062_EMILY-D (Cree XM-L HVW 285lm 50mA) Efficiency=88%
Lamps: 1 x Cree XM-L HVW 285lm 50mA



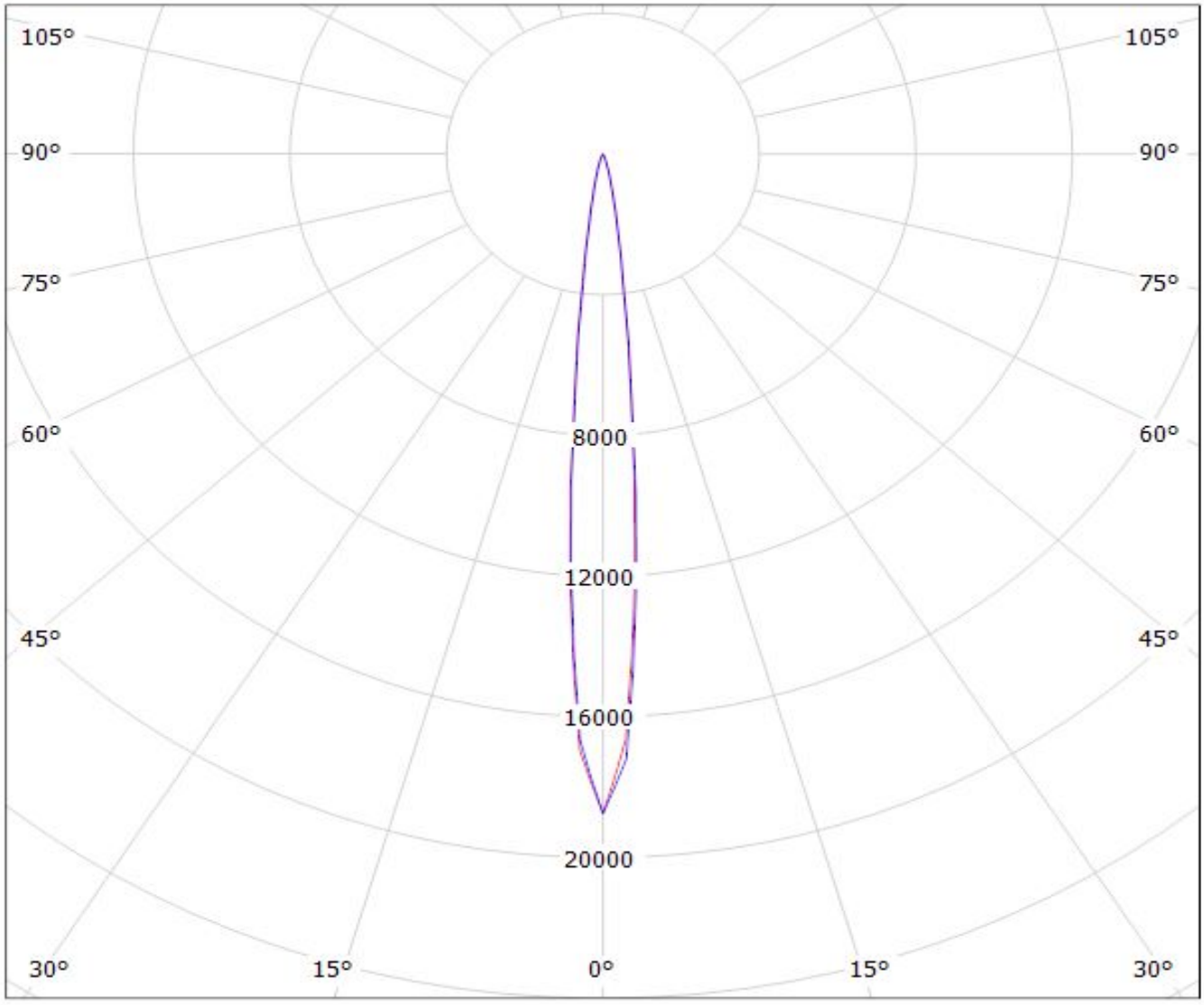
cd/klm

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



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

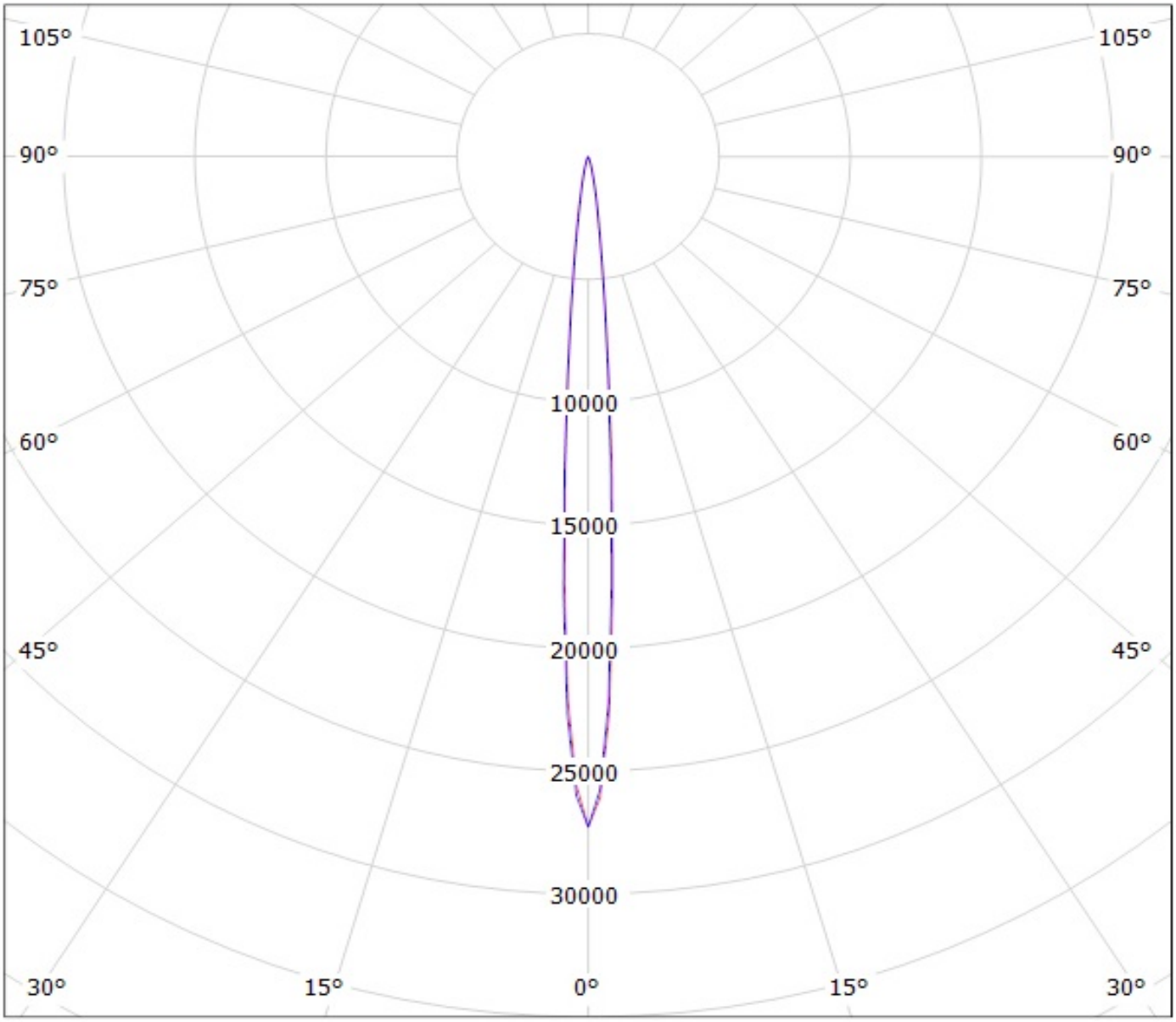


cd/klm

η = 91%

C0 - C180 C90 - C270

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

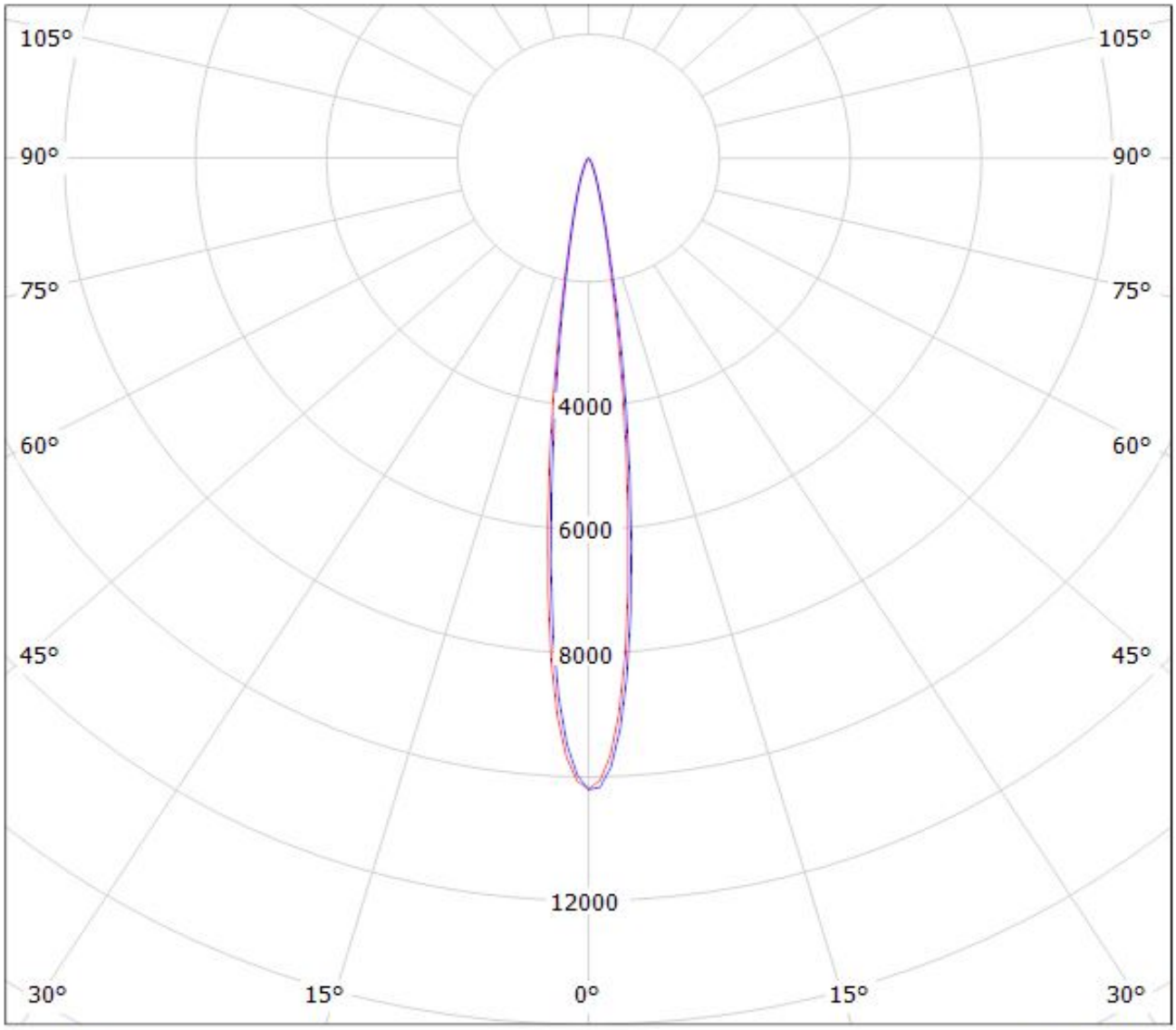


cd/klm

η = 87%

C0 - C180 C90 - C270

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

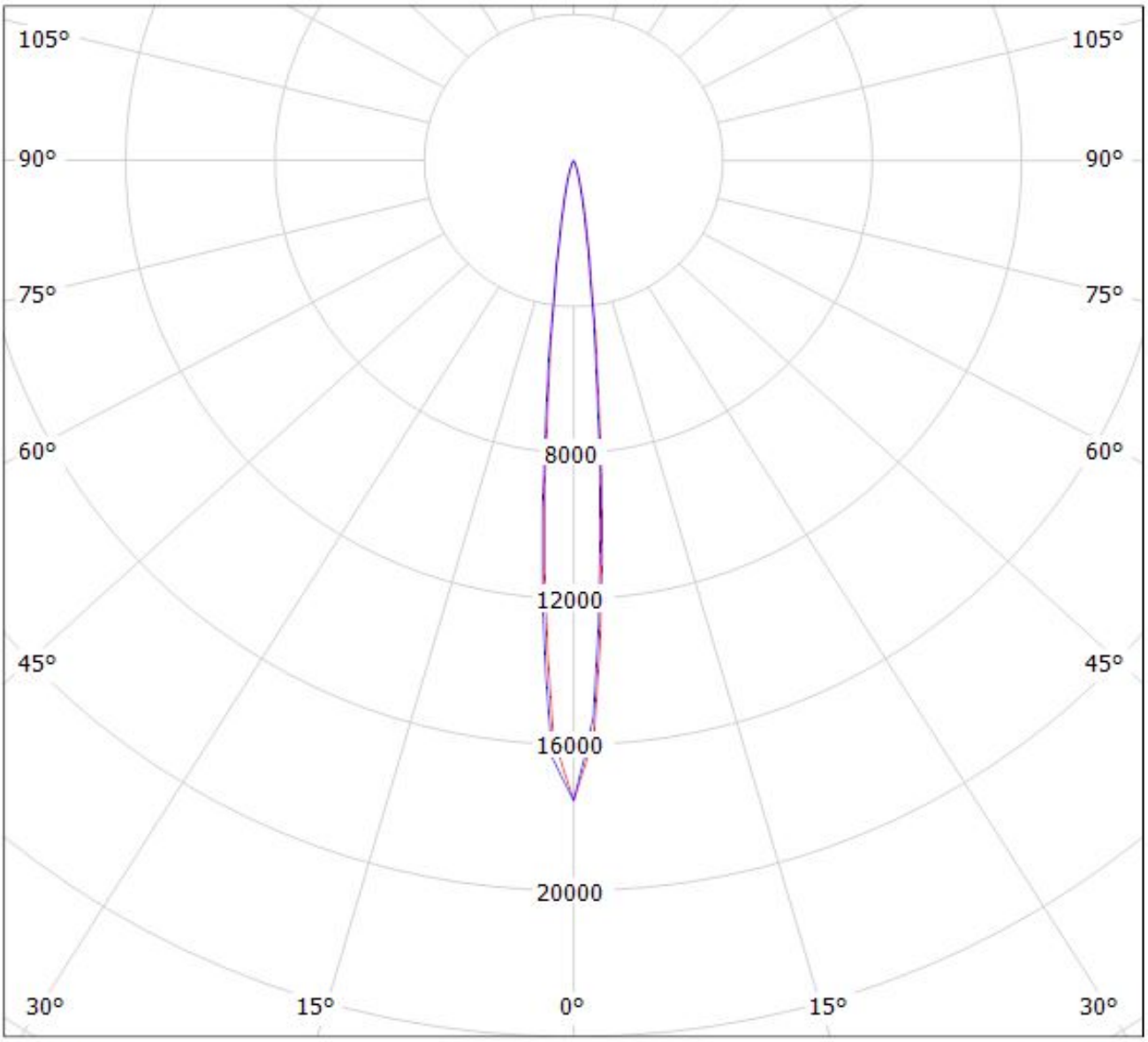


cd/klm

η = 90%

C0 - C180 C90 - C270

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

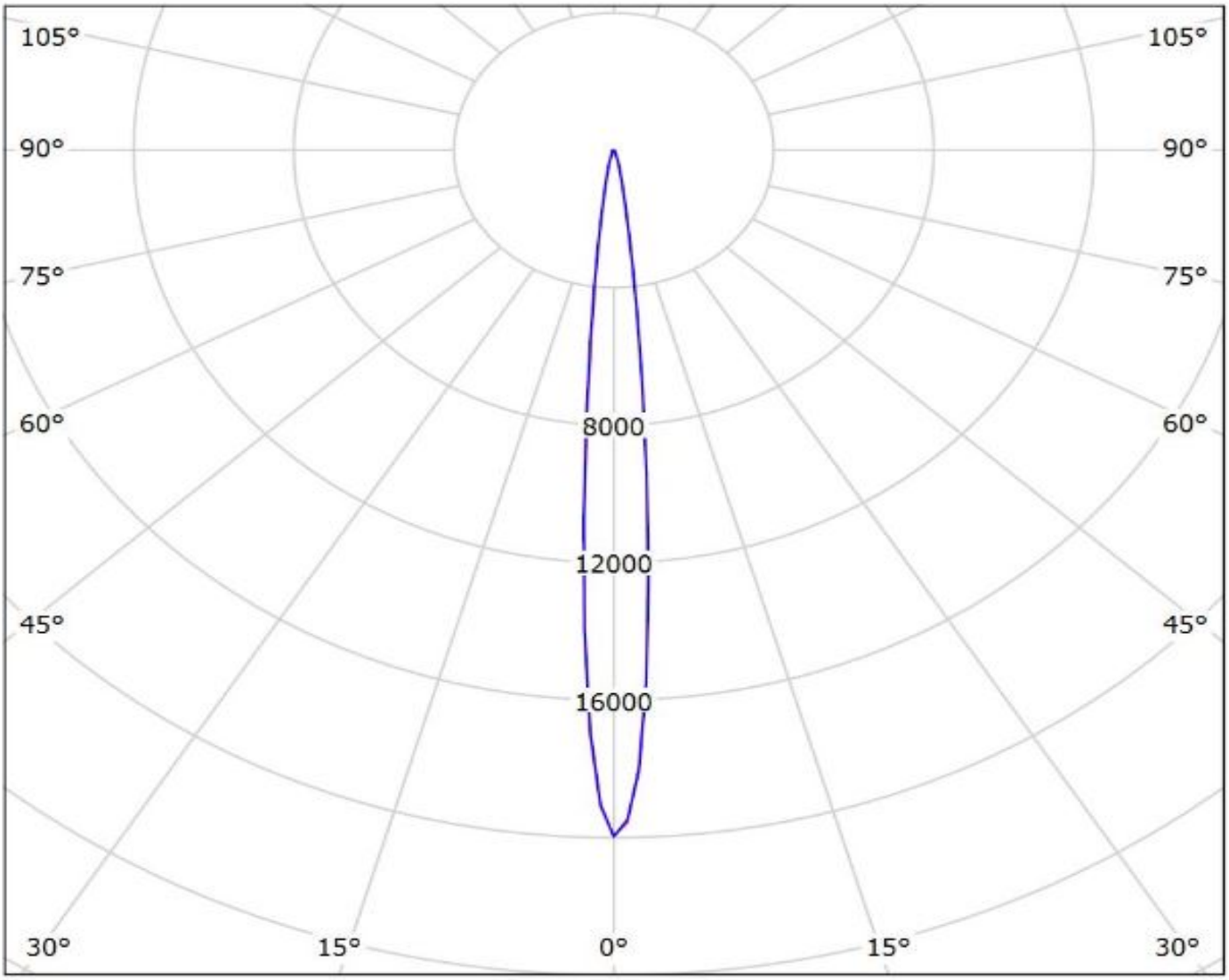


cd/klm

η = 90%

C0 - C180 C90 - C270

Luminaire: Ledil CA12062_EMILY-D_(XP-L_HI)
Lamps: 1 x CREE_XP-L_HI_116.971lm@250mA_P=0.75W_I=0.25A

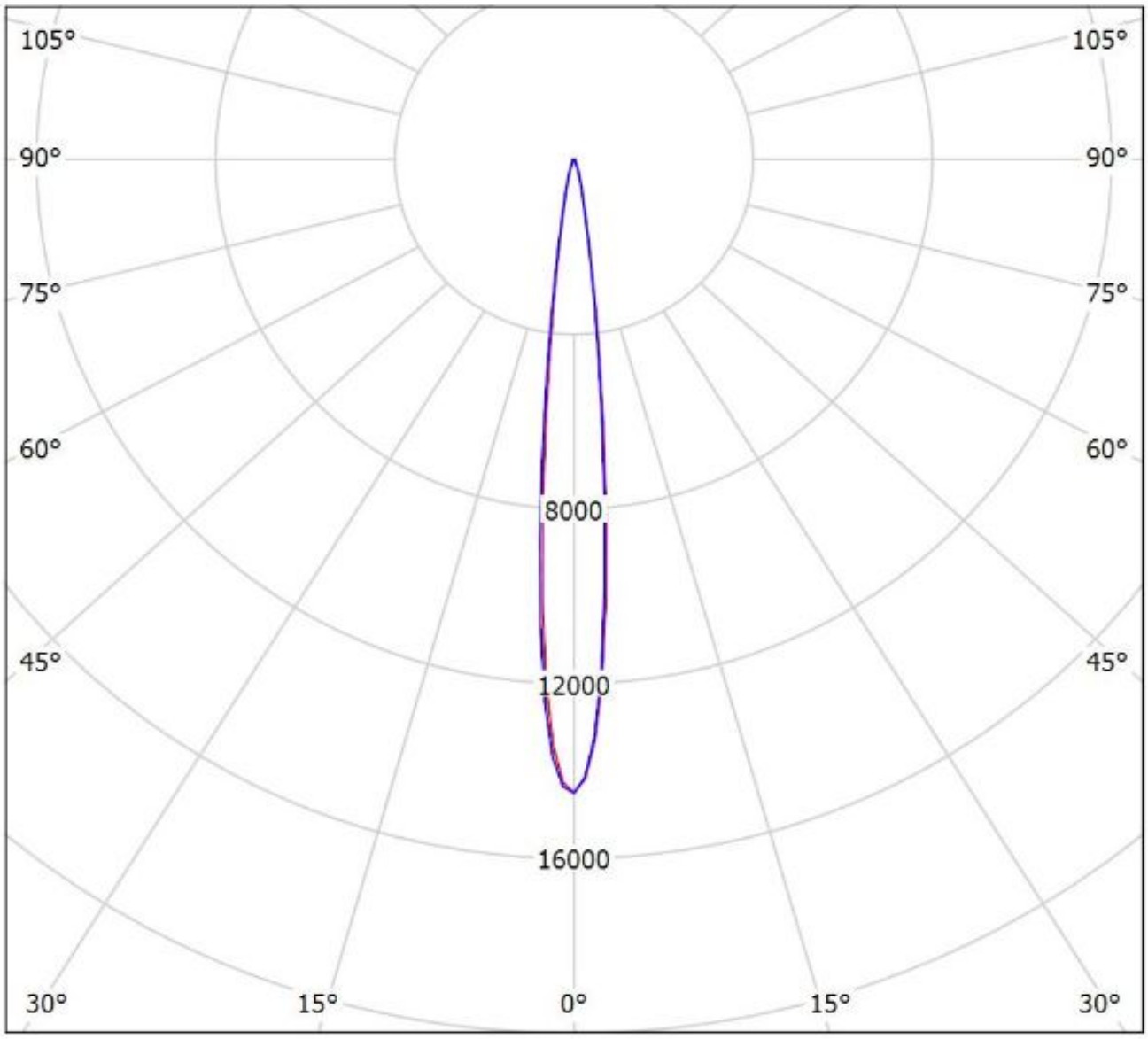


cd/klm

η = 87%

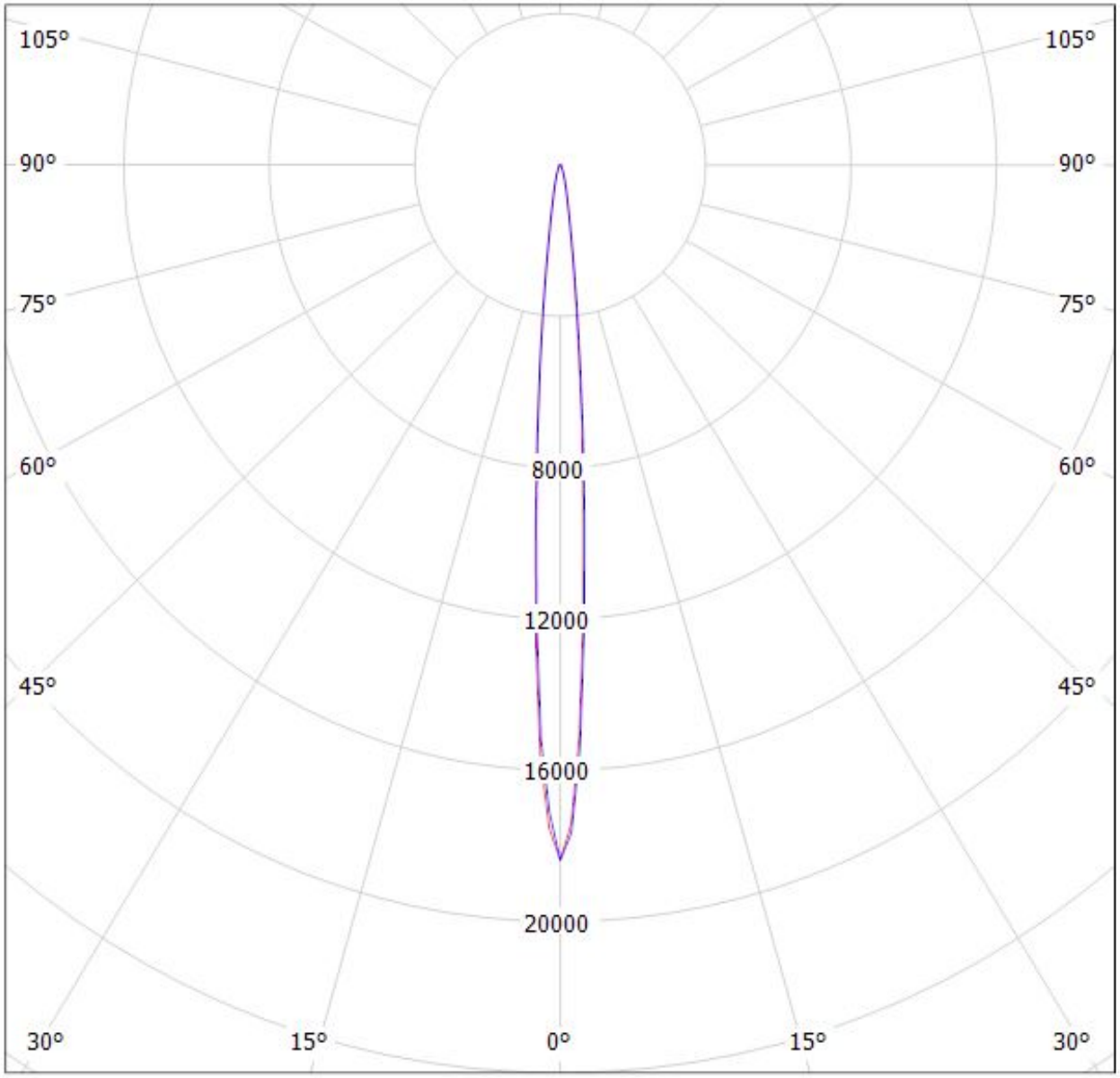
C0 - C180 C90 - C270

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



cd/klm
C0 - C180
C90 - C270
η = 92%

Luminaire: LEDiL Oy CA12062_EMILY-D_(XD16)
Lamps: 1 x Cree_XD16_(XD16AWT-H-2B0-S20-0B-002)_115.272lm@250mA_CCT=5700K_P=0.707833W_U=2.8336V

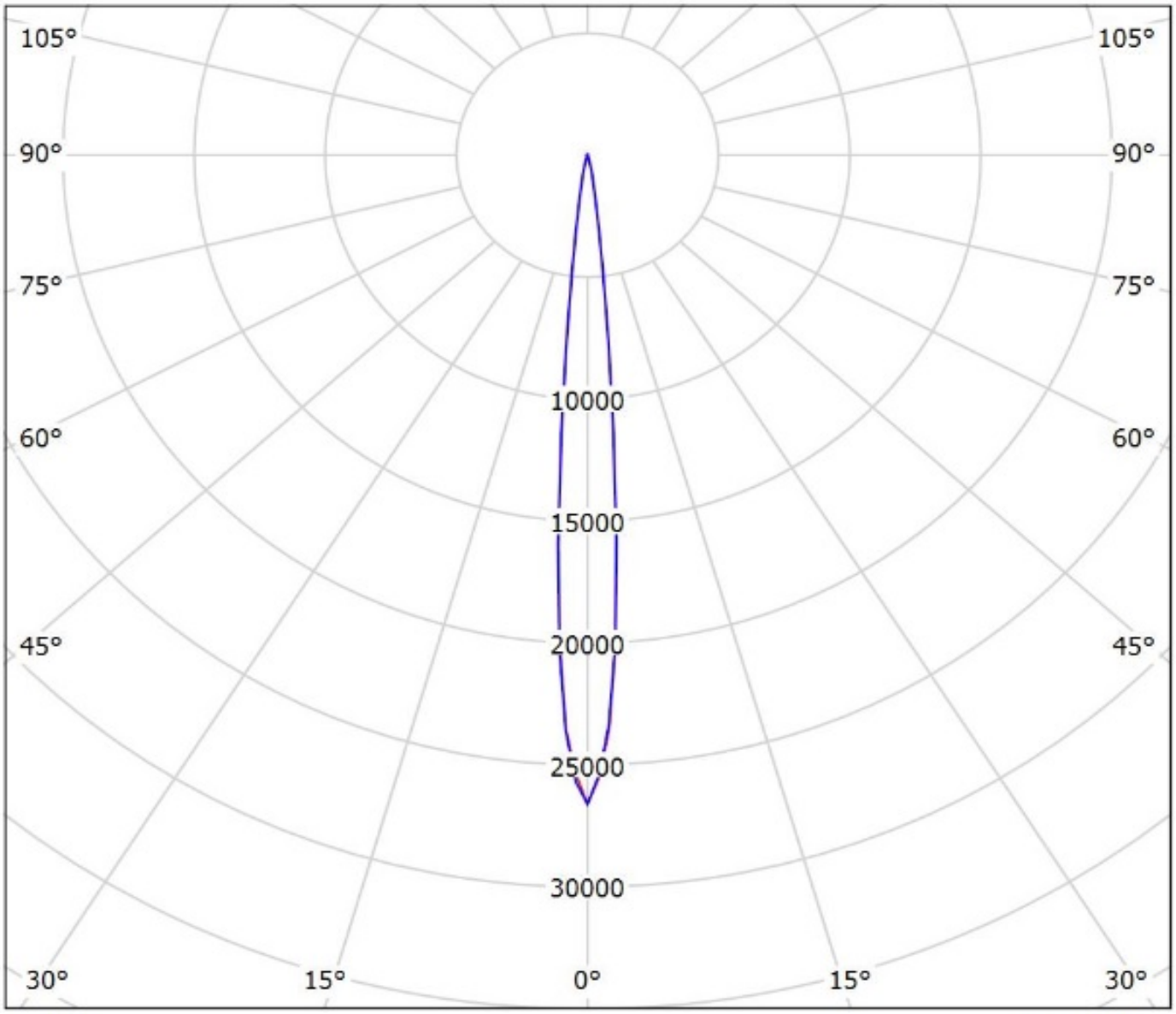


cd/klm

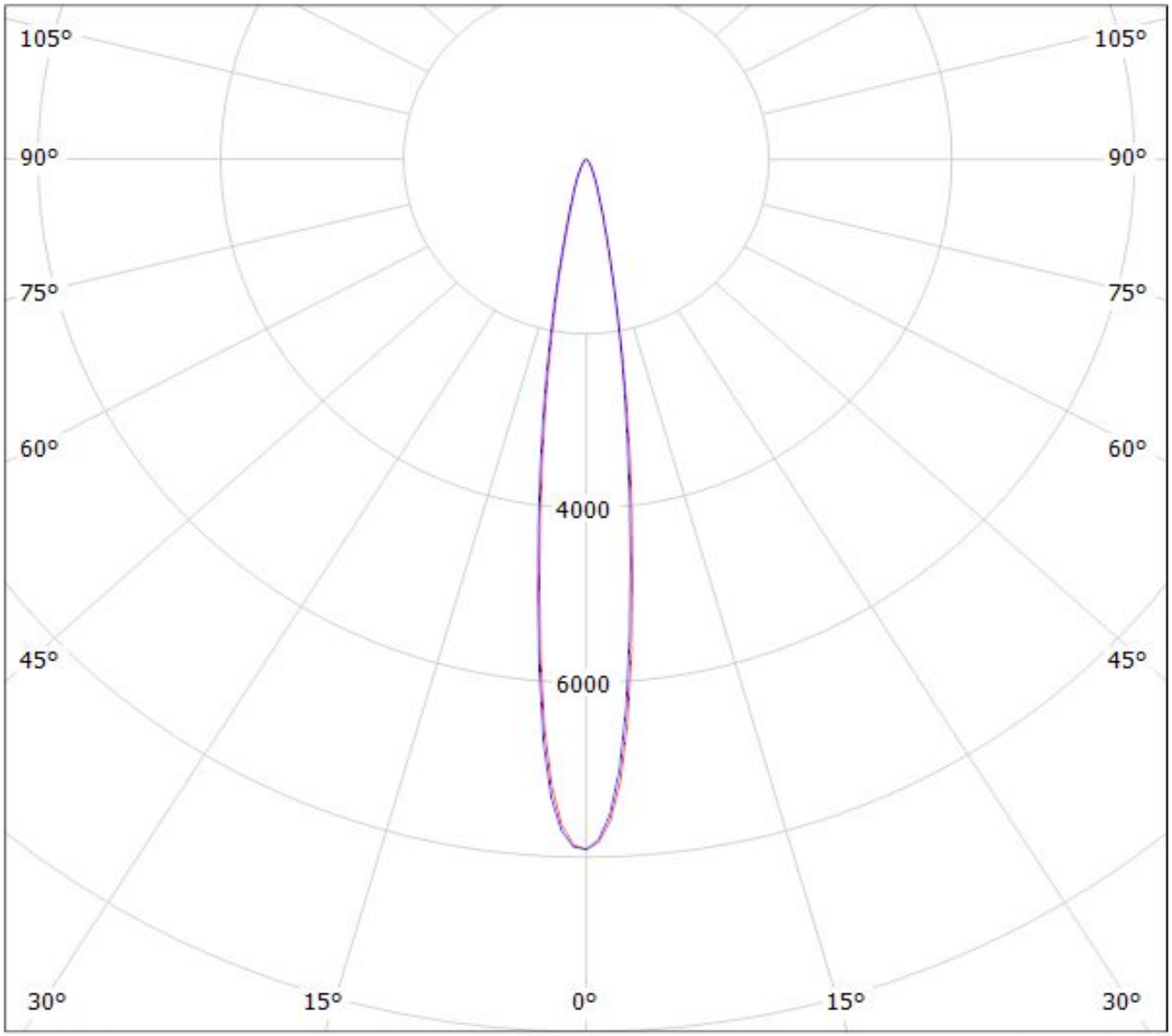
η = 92%

C0 - C180 C90 - C270

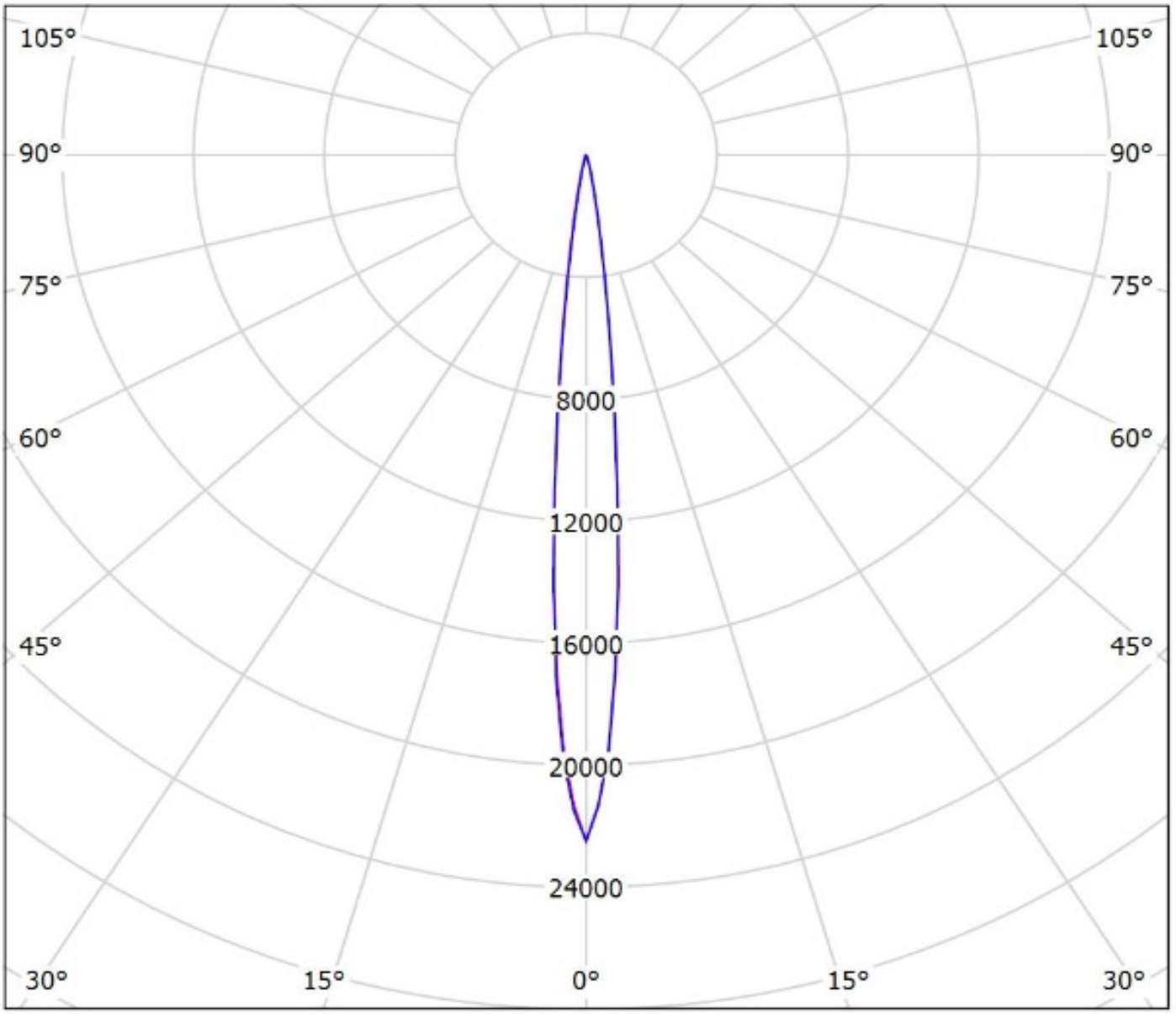
Luminaire: Ledil Oy CA12062_EMILY-D_(Luxeon_Rebel_ES)_SIMULATED
Lamps: 1 x Lumileds Luxeon Rebel ES (LXML-PWN2)



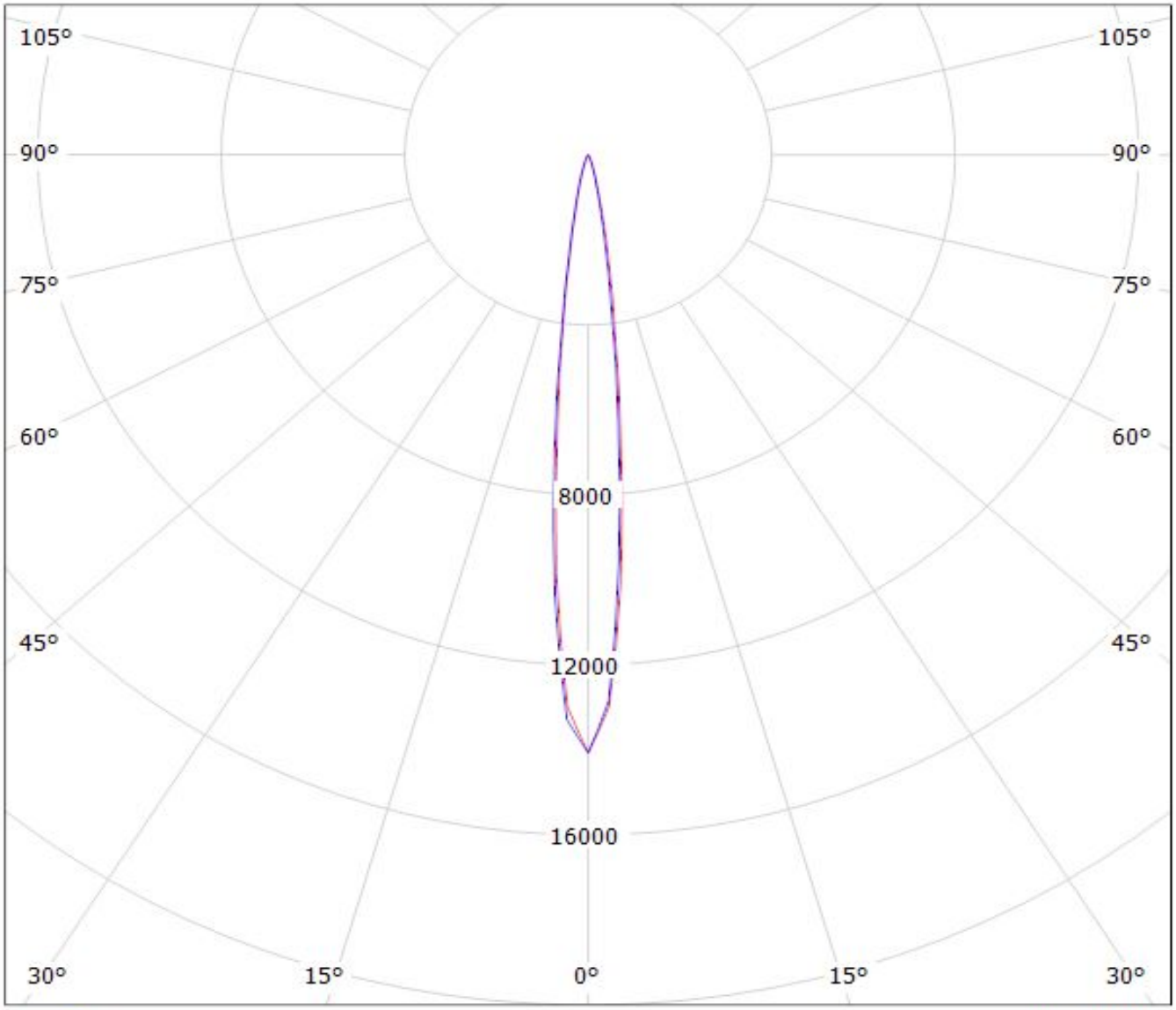
Luminaire: LEDiL Oy CA12062_EMILY-D_(NS9x383) Eff. 90,1%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



Luminaire: Ledil Oy CA12062_EMILY-D_(Oslon_Square_Gen3)_SIMULATED
Lamps: 1 x Osram Oslon Square Gen3 - GW CSSRM2.PM



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

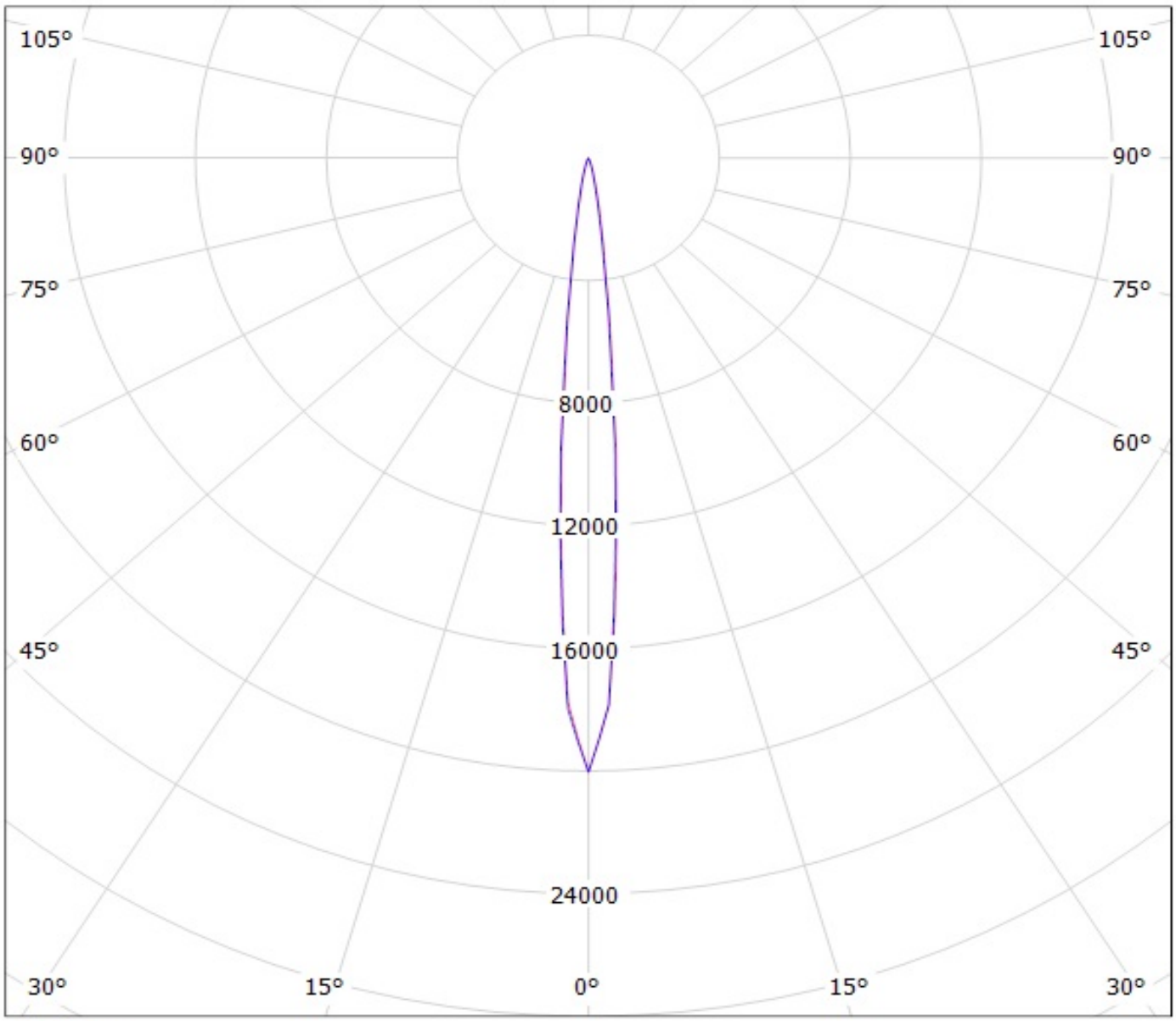


cd/klm

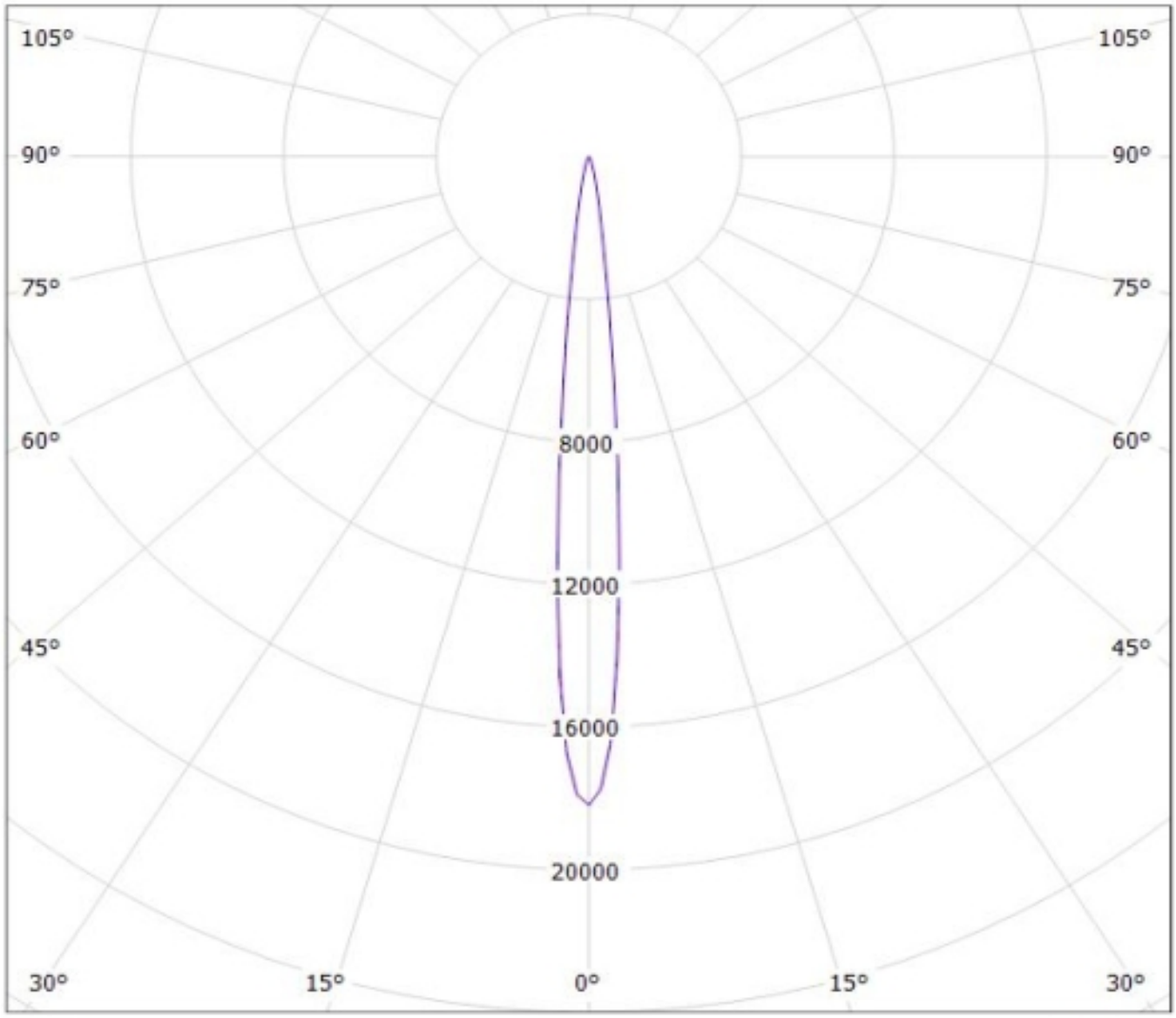
η = 89%

C0 - C180 C90 - C270

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

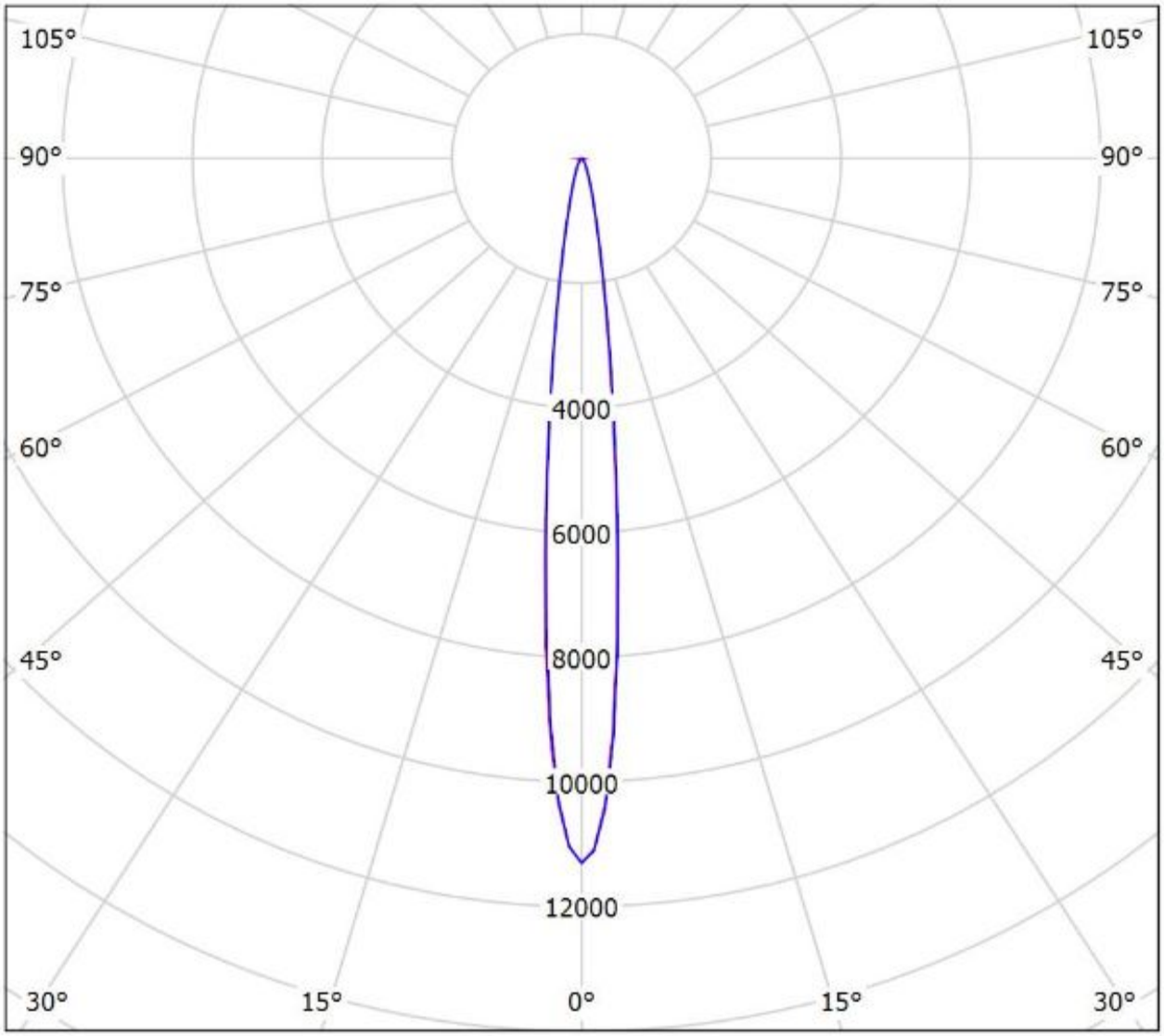


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CA12062_EMILY-D_(Z8Y22plus)
Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_125.652lm@250mA_P=0.69312W_I=0.250A



cd/klm

η = 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.