PRODUCT DATASHEET
Emily series
last update 9/6/2016

DETAILS

Product Number	CA12064_EMILY-M
Family	Emily
Type	Assembly
Color	clear
Diameter	26 mm
Height	15 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	tape, pin
Status	production ready
ROHS Comliant	Yes
Date Updated	9/06/2016

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XM-L	18 deg	Medium	93 %	-	-
XM-L HVW	sim: 19	Medium	90 %	-	-
XT-E	17 deg	Medium	-	6.940	-
XP-G2	18 deg	Medium	90 %	10.100	-
XP-E2	17 deg	Medium	87 %	9.200	-
XM-L2	18 deg	Medium	90 %	7.900	-
XP-L HI	17 deg	Medium	88 %	9.000	-
LUXEON Rebel ES	18 deg	Medium	90 %	-	-
LUXEON A	18 deg	Medium	90 %	-	-
NS9x383	18 deg	Medium	90 %	6.100	-
Oslon Black Flat	sim: 17	Medium	sim: 94 %	sim: 10.000	-
Oslon Black	sim: 15	Medium	sim: 94 %	sim: 10.900	-
LH351B	17 deg	Medium	88 %	8.700	-
LH351Z	18 deg	Medium	89 %	9.400	-
Z8Y22P	17 deg	Medium	94 %	7.000	-

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Salorankatu 10
24240 SALO, Finland

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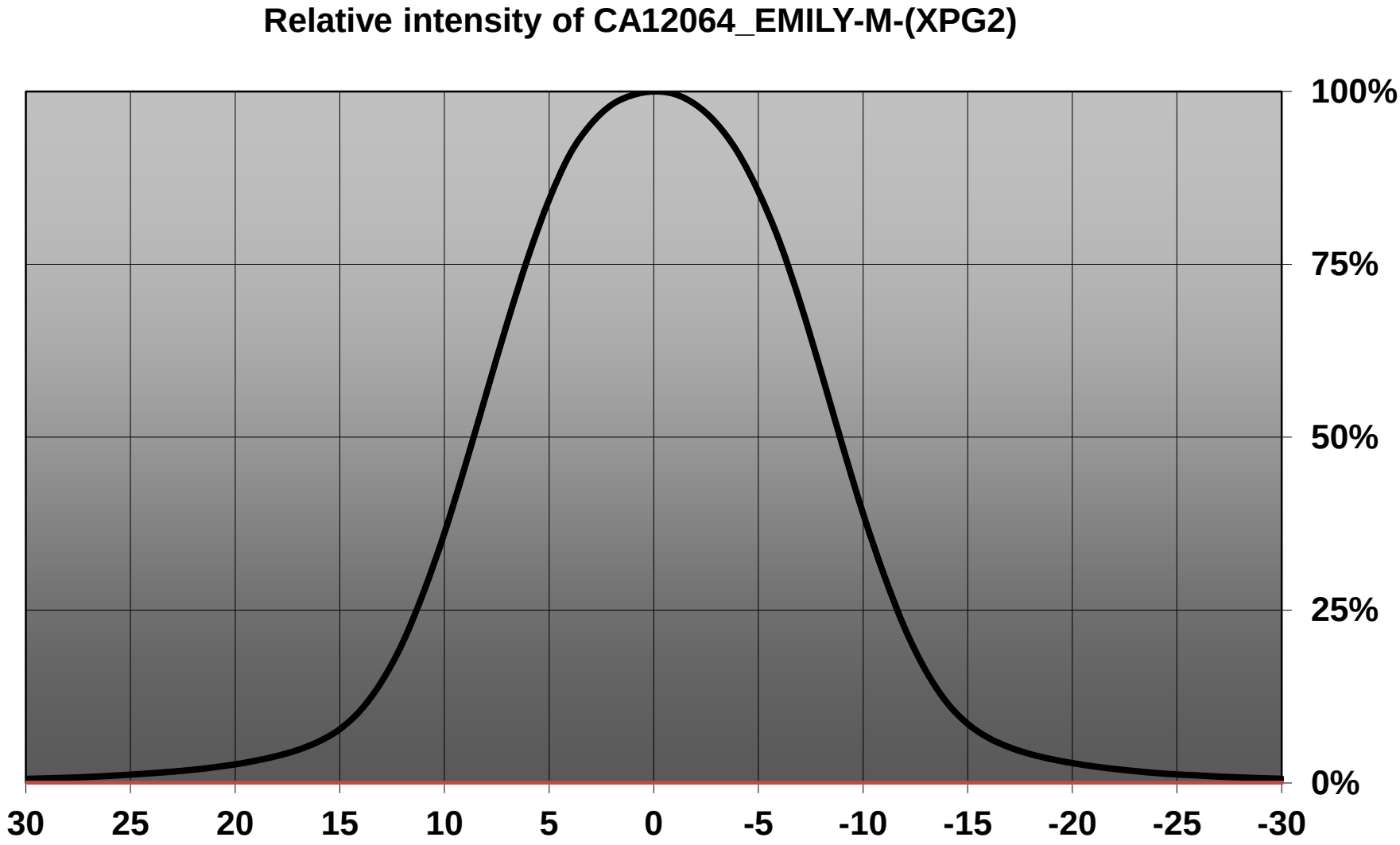
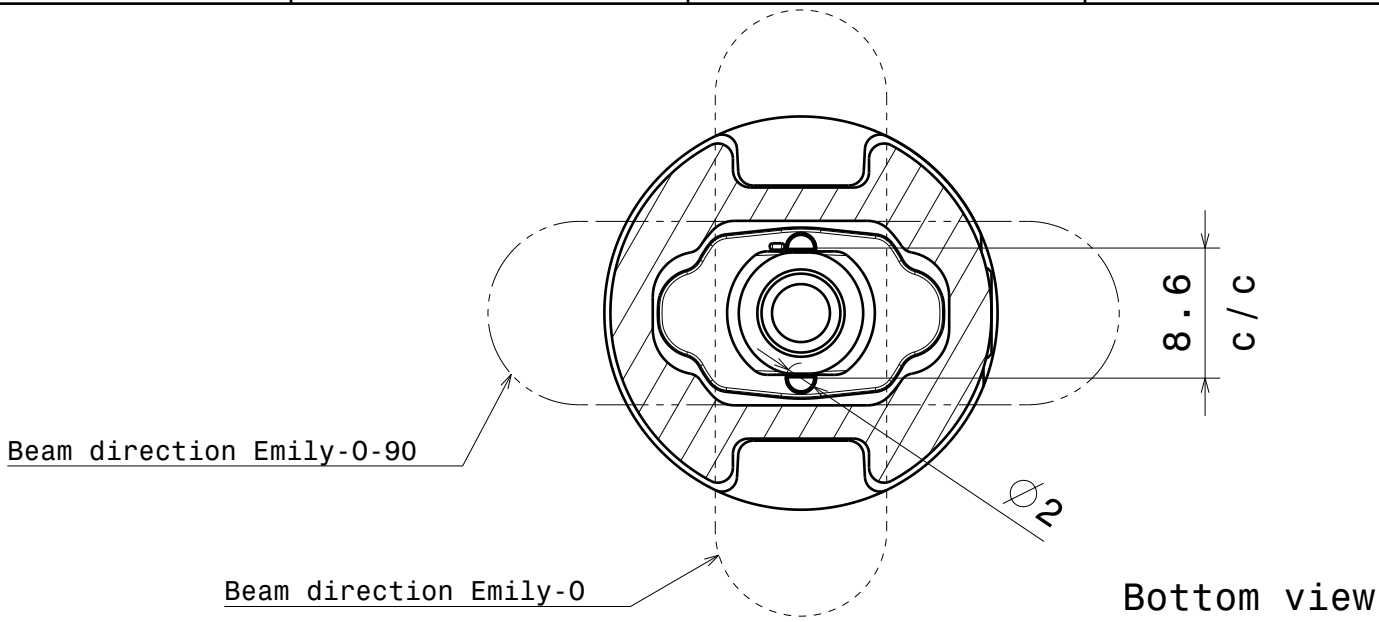
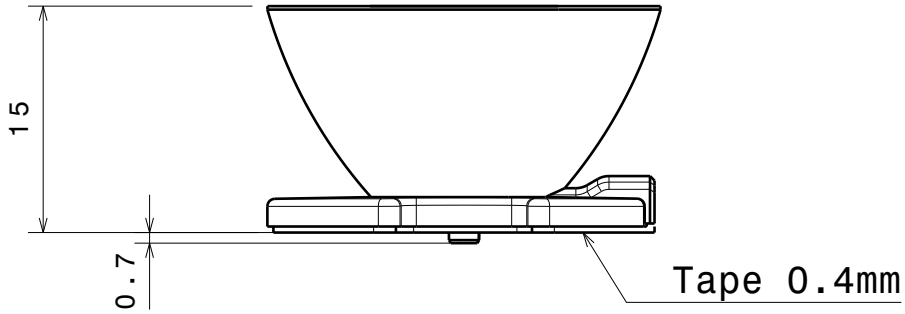
email: ledil@ledil.com
FAX: +358-2-733 8001

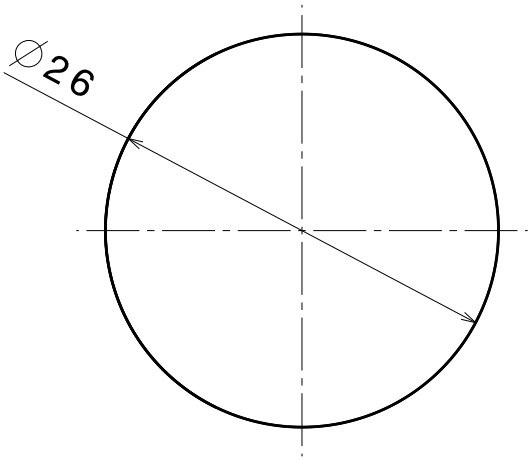

Relative intensity of CA12064_EMILY-M-(XPG2)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30



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:

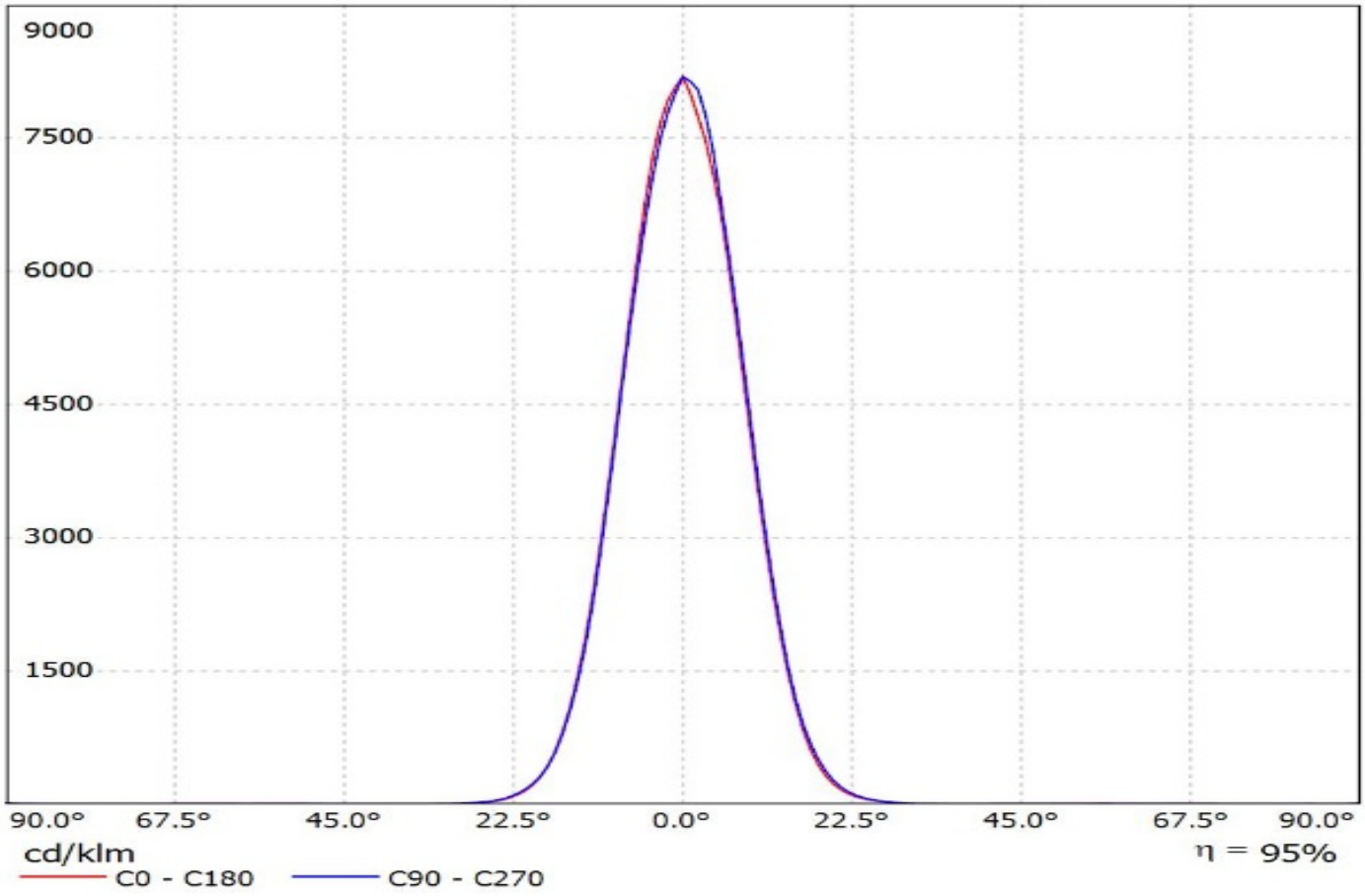
DRAWING TITLE

Datasheet Emily-RE-ES series lens

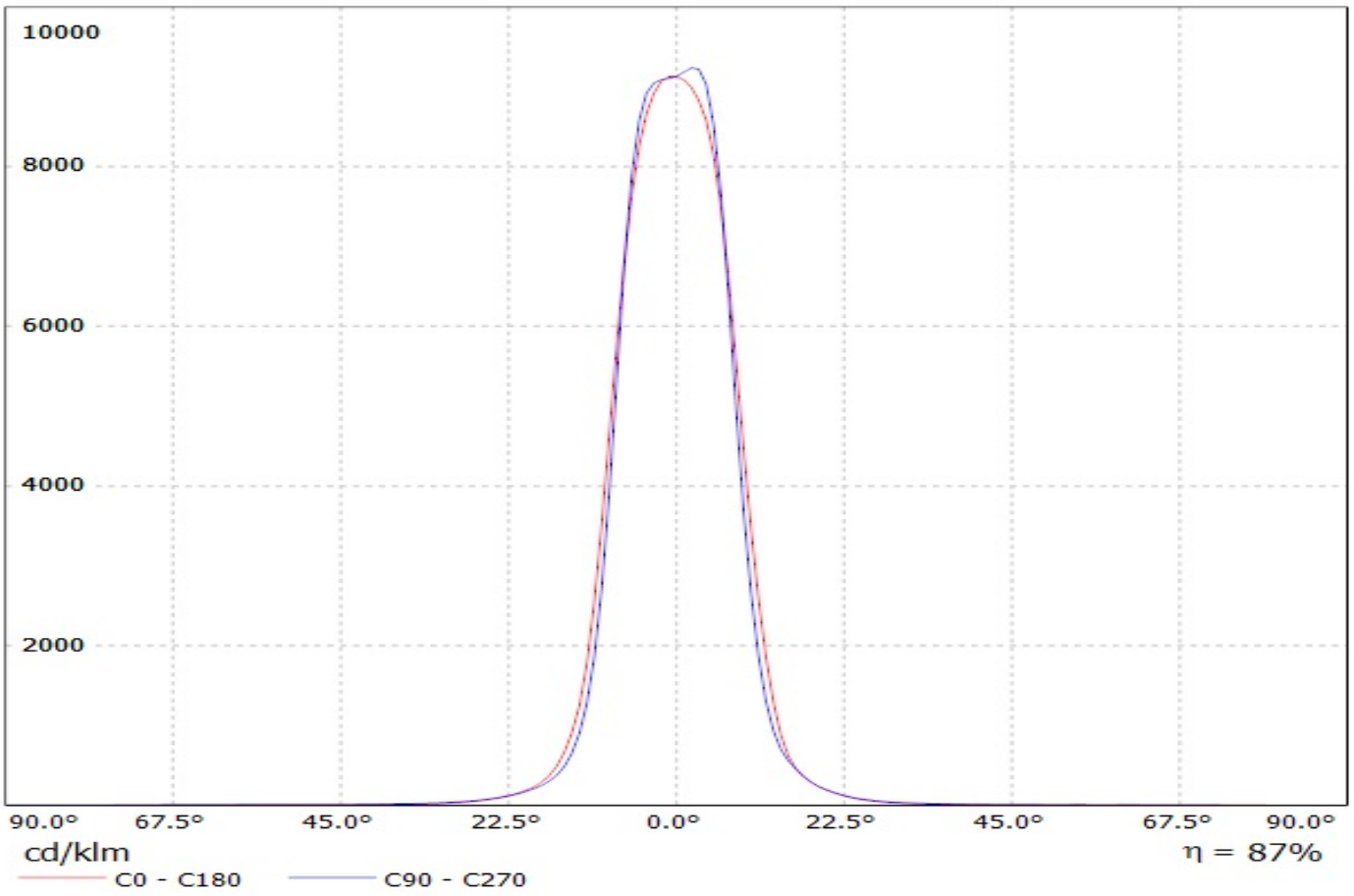
SIZE	PART NUMBER
A4	

SCALE	WEIGHT		SHEET
2:1			1/1

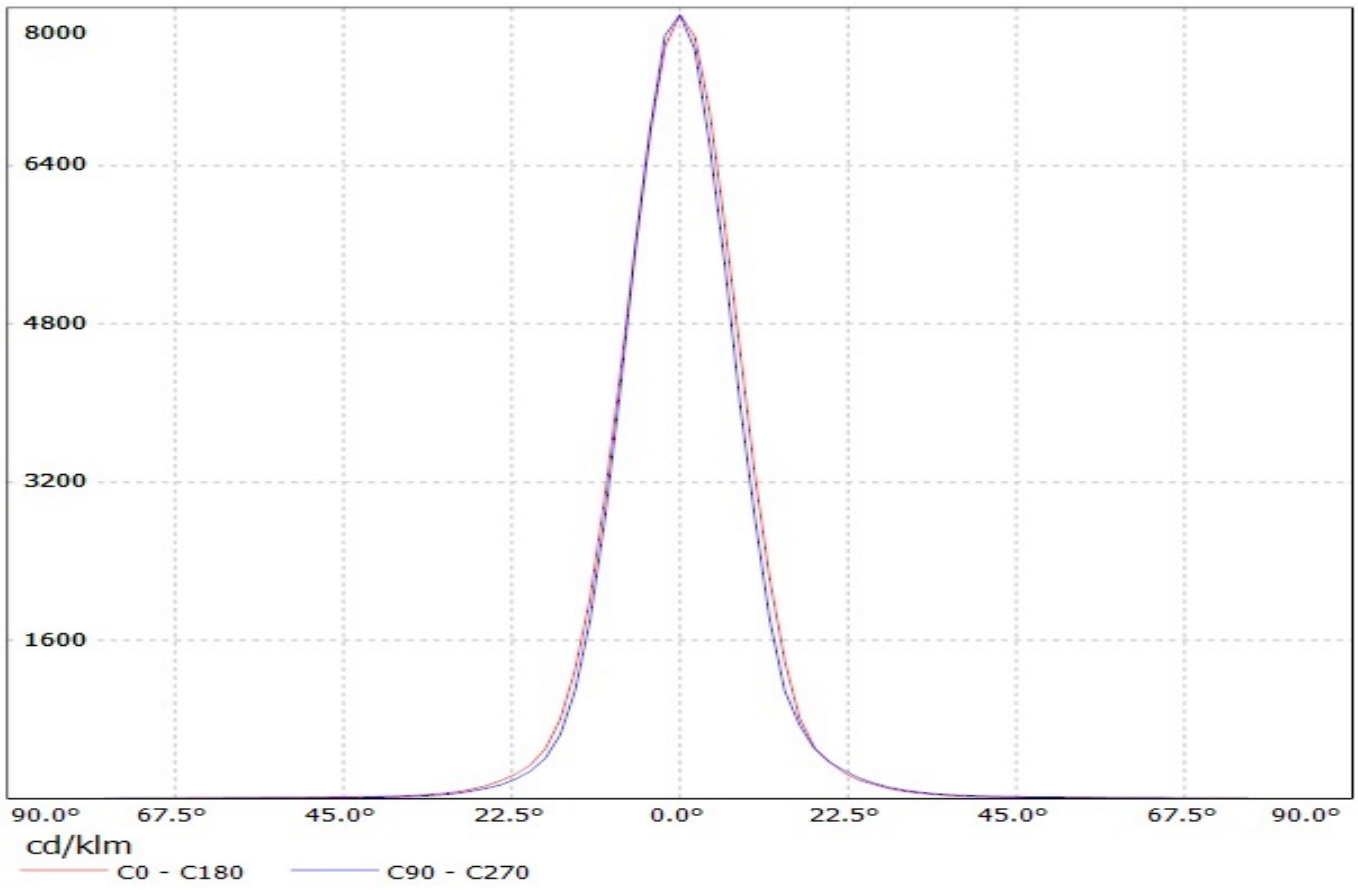
Luminaire: Ledil Oy CA12064_EMILY-M_(XP-G2)_SIMULATED
Lamps: 1 x Cree XP-G2



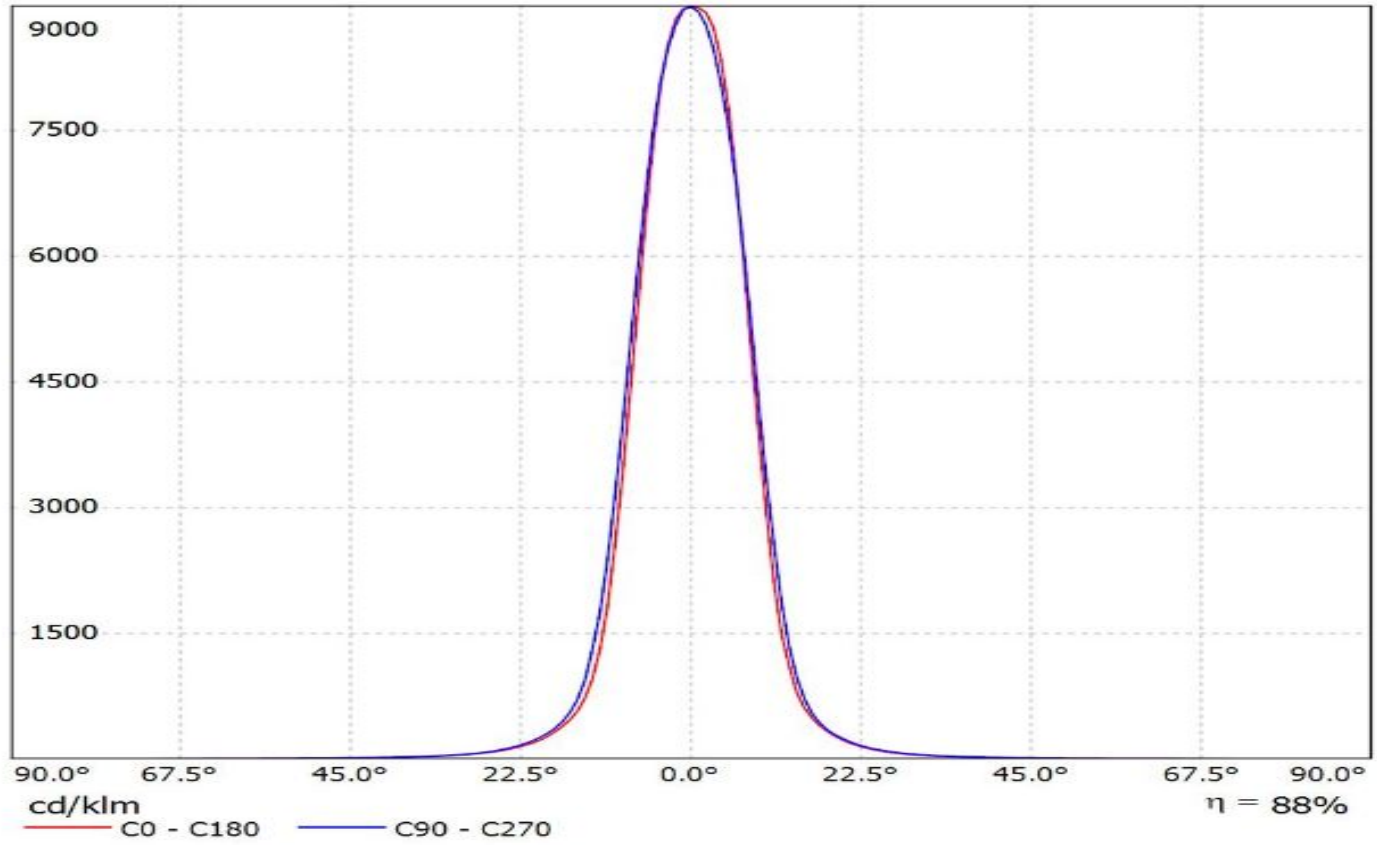
Luminaire: LEDil Oy CA12064_EMILY-M_(XP-E2)
Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 78.62lm @ 250mA P=0.7W I=250mA



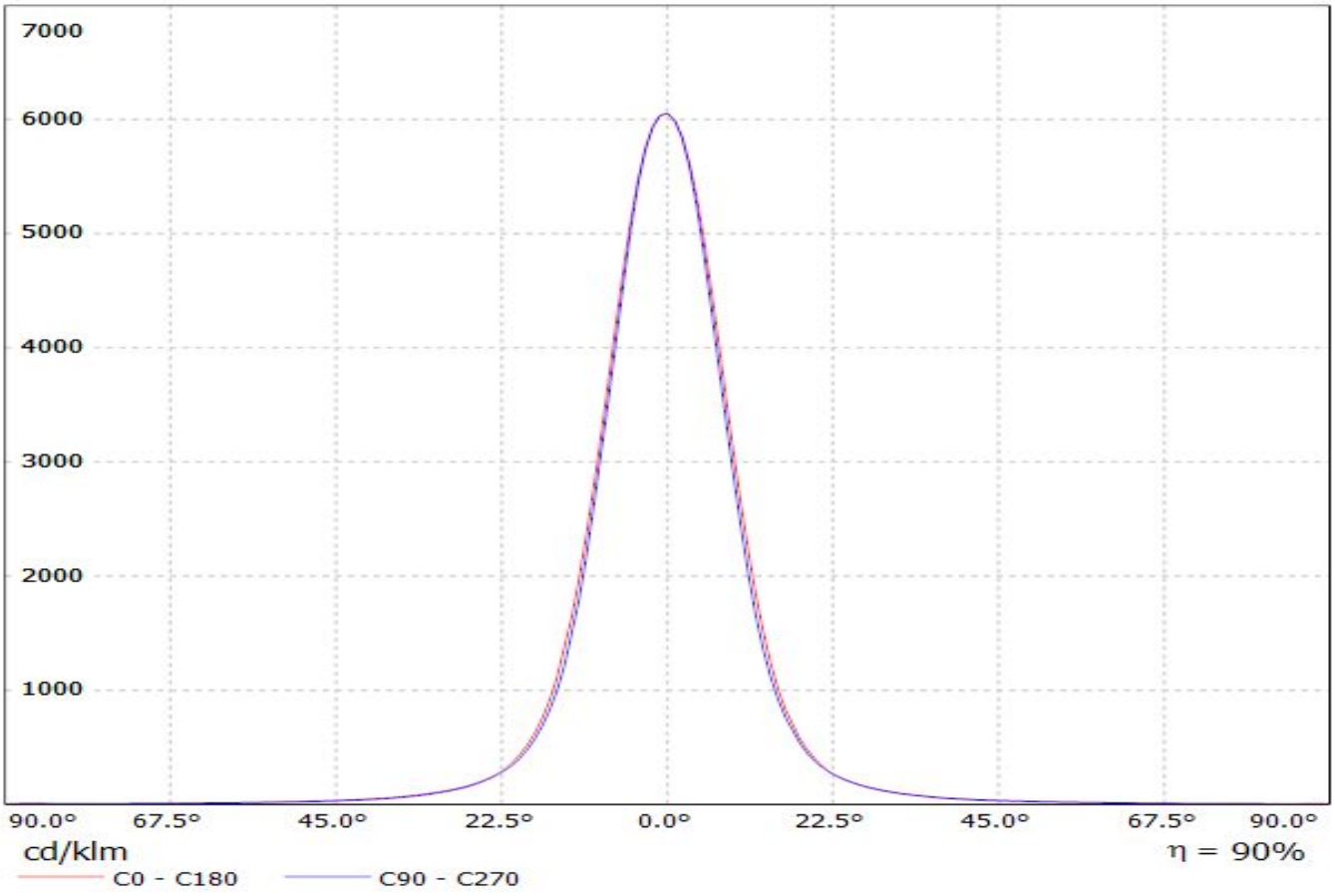
Luminaire: LEDil Oy CA12064_EMILY-M_(XM-L2) Efficiency=90%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA



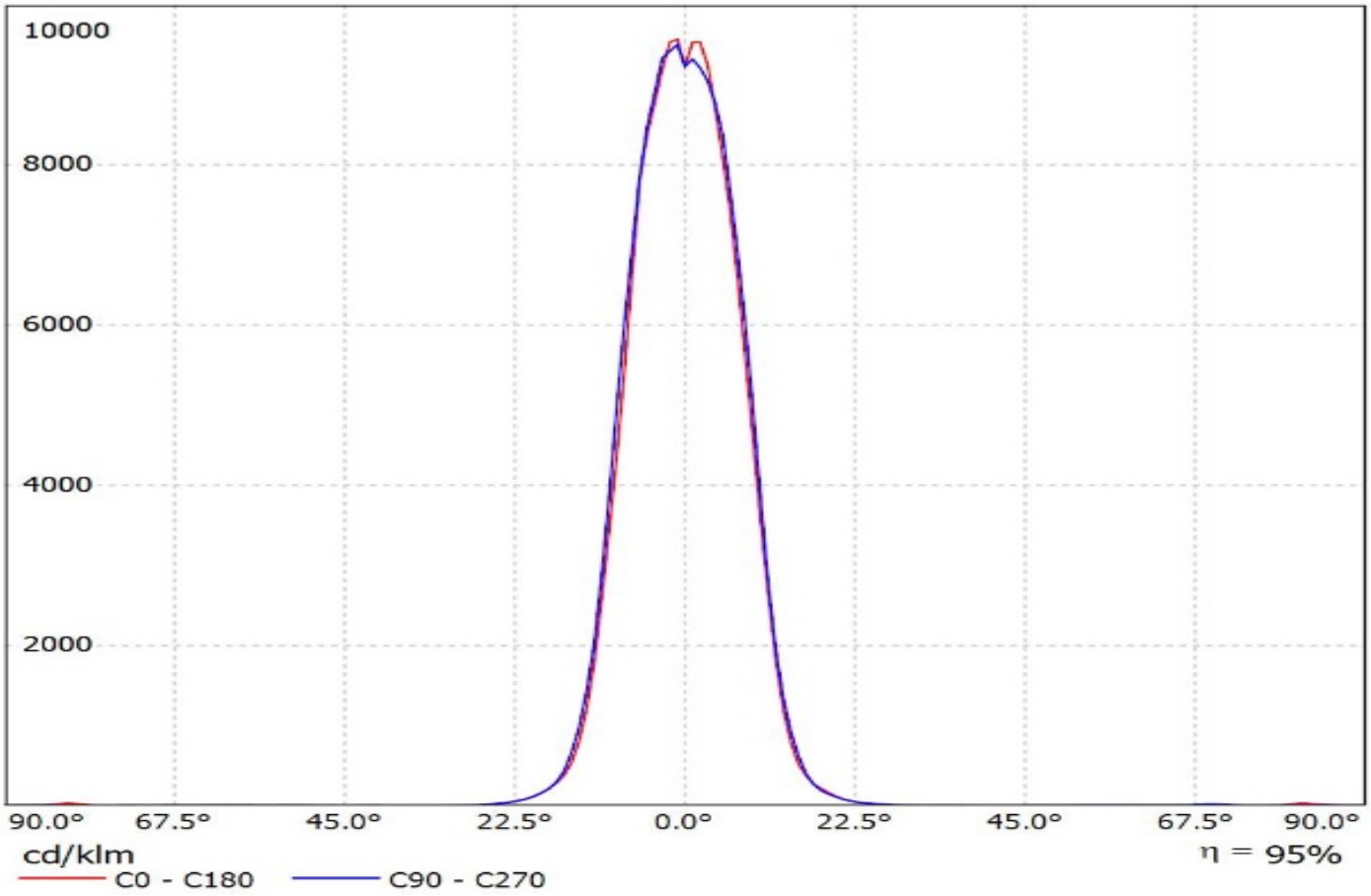
Luminaire: Ledil CA12064_EMILY-M_(XP-L_HI)
Lamps: 1 x CREE_XP-L_HI_116.971lm@250mA_P=0.75W_I=0.25A



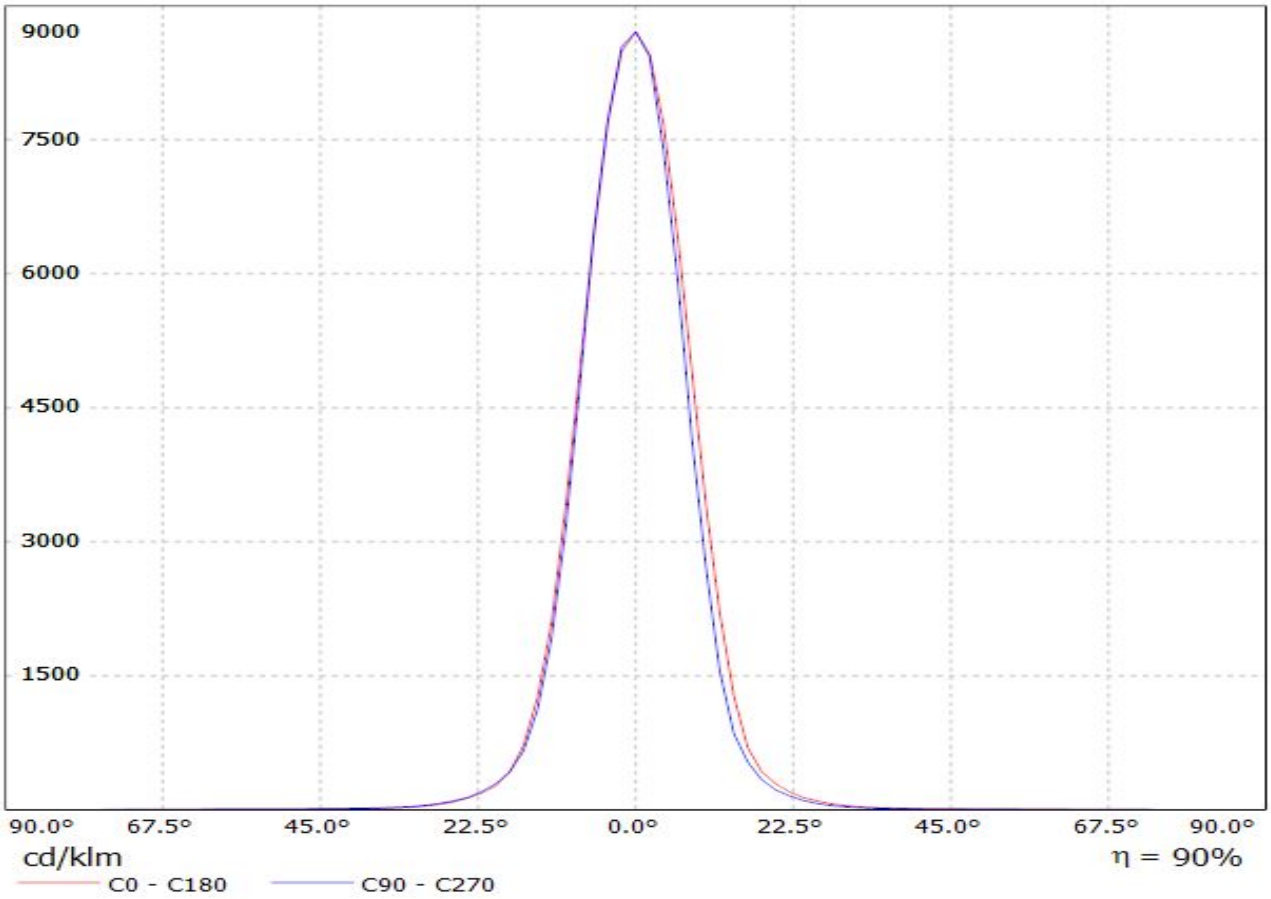
Luminaire: LEDiL Oy CA12064_EMILY-M_(NS9x383) Eff. 90,2%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



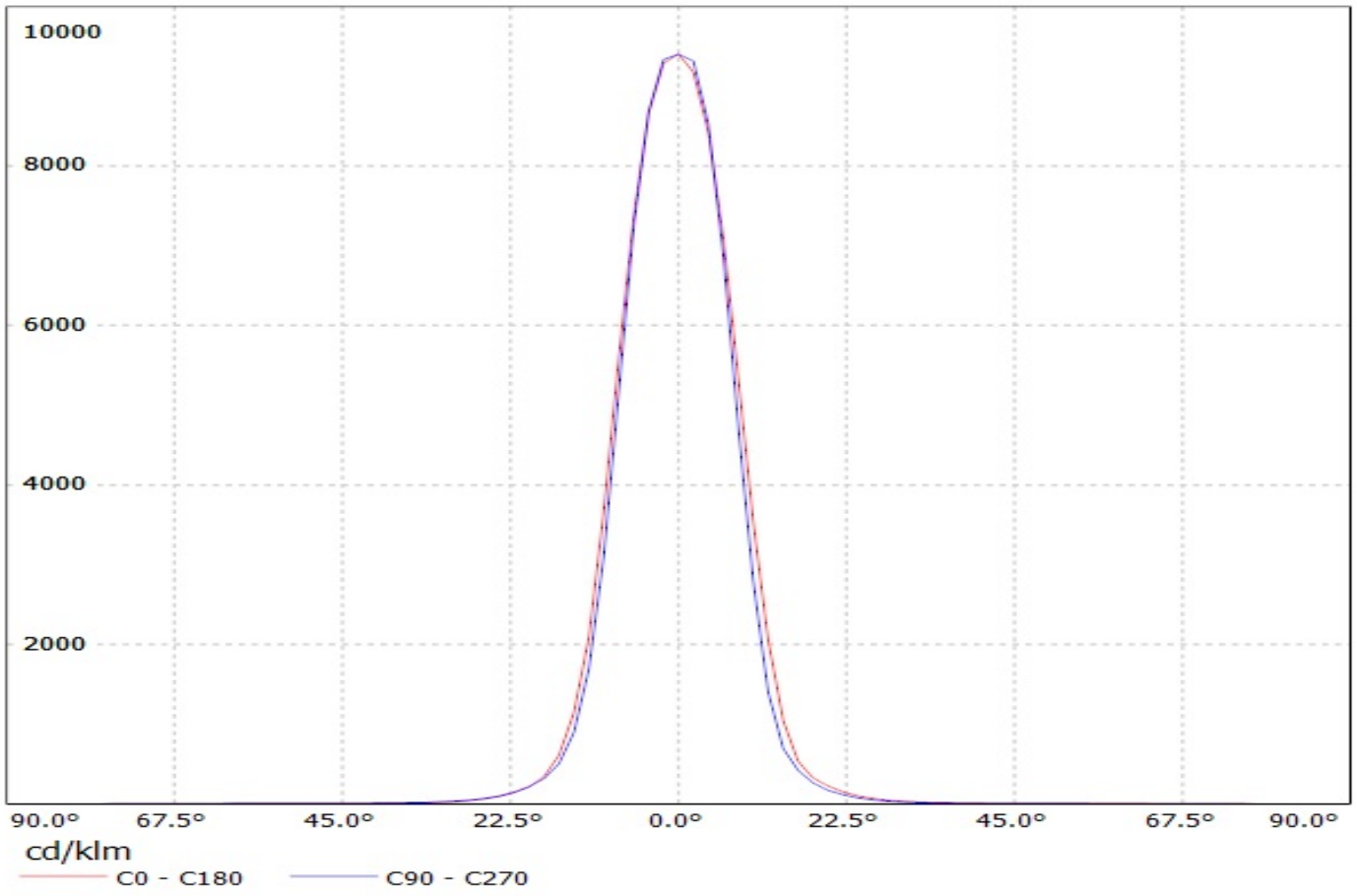
Luminaire: Ledil Oy CA12064_EMILY-M_(Oslon_Black_Flat)_SIMULATED
Lamps: 1 x Osram Oslon Black Flat (LUV HWQP)



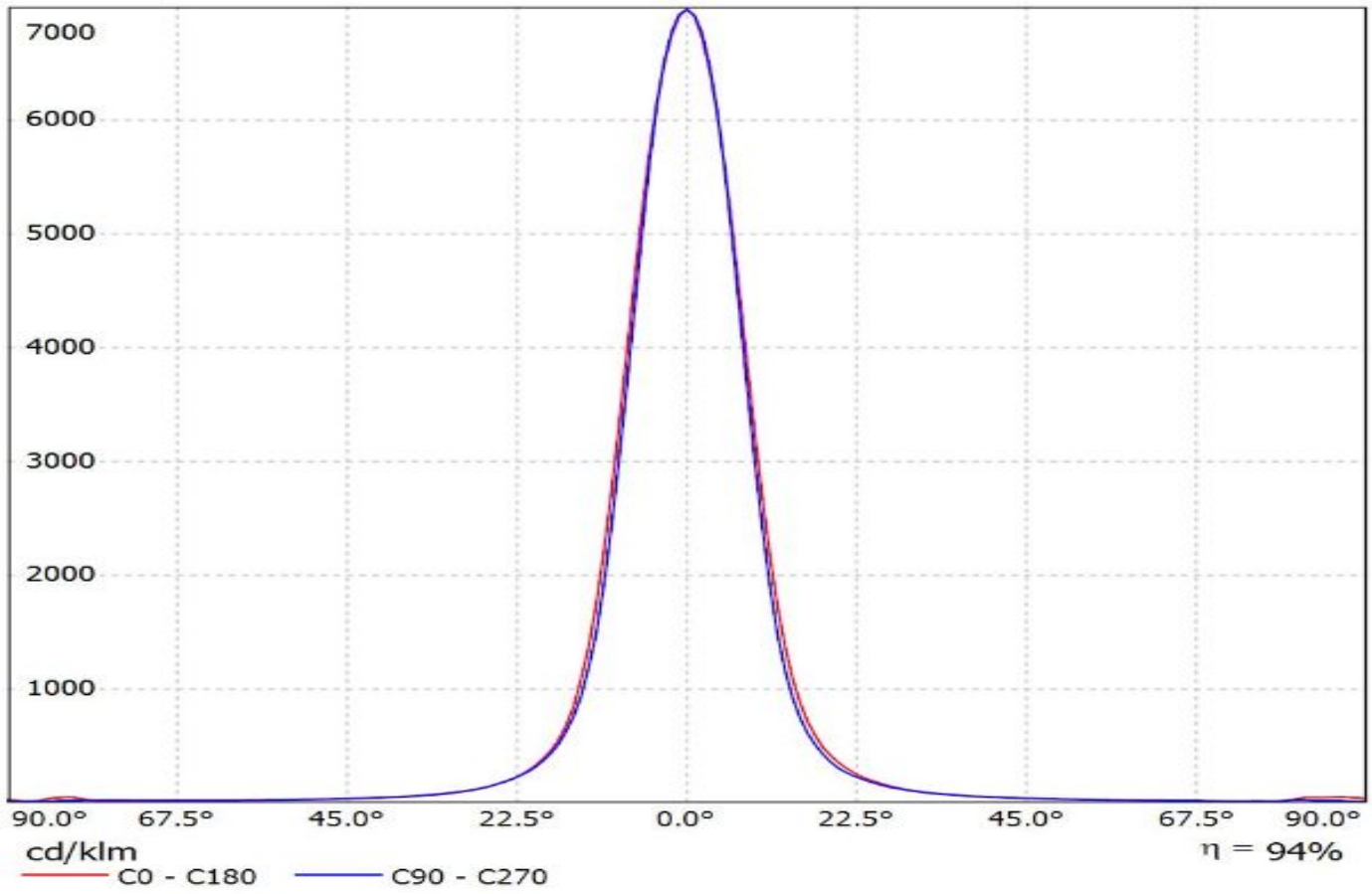
Luminaire: Ledil Oy CA12064_EMILY-M_(LH351B) Efficiency=88%
Lamps: 1 x Samsung LH351B 106lm @ 250mA CCT= P=0.72W I=250mA



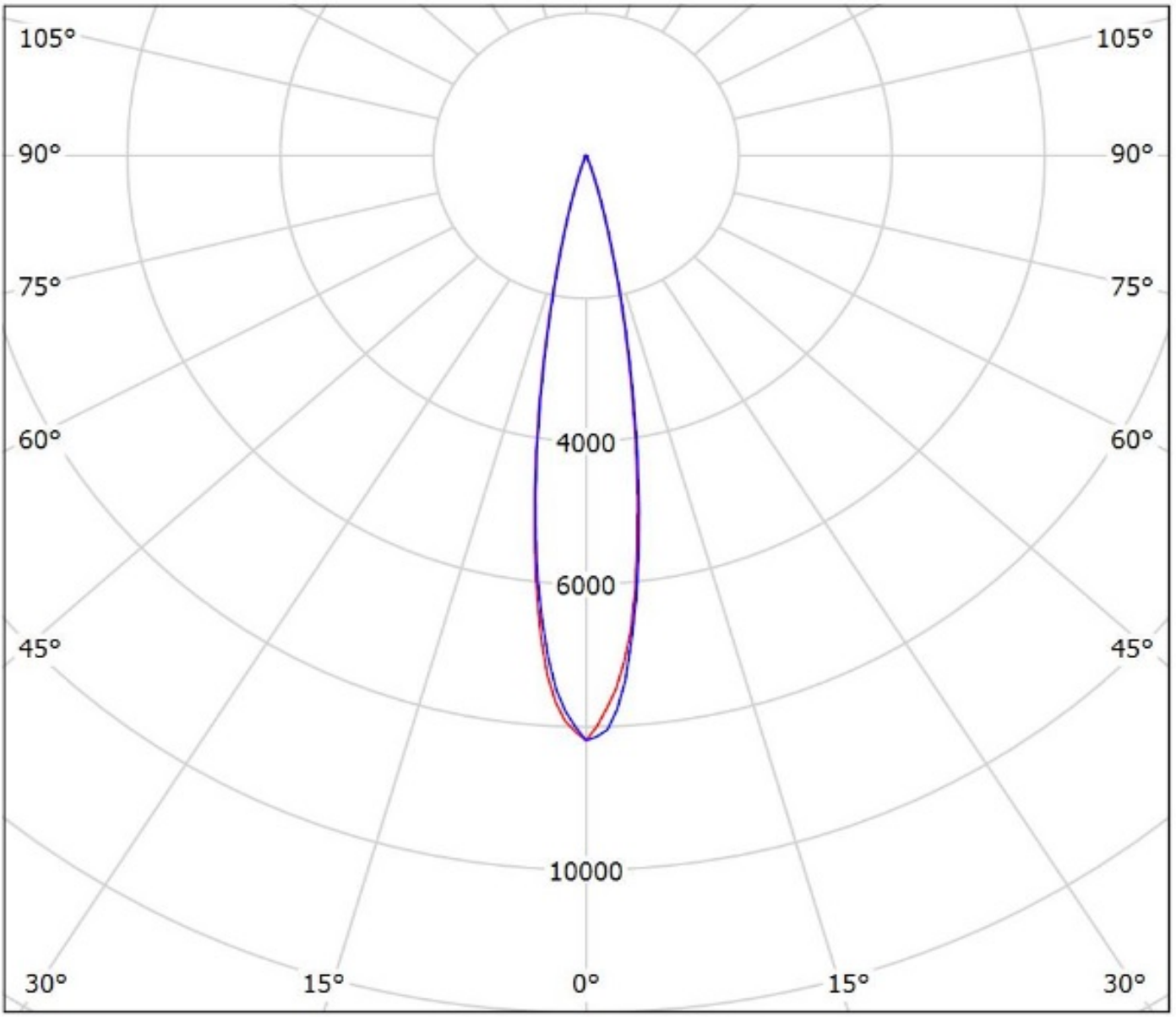
Luminaire: Ledil Oy CA12064_EMILY-M_(LH351Z) Efficiency=89%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



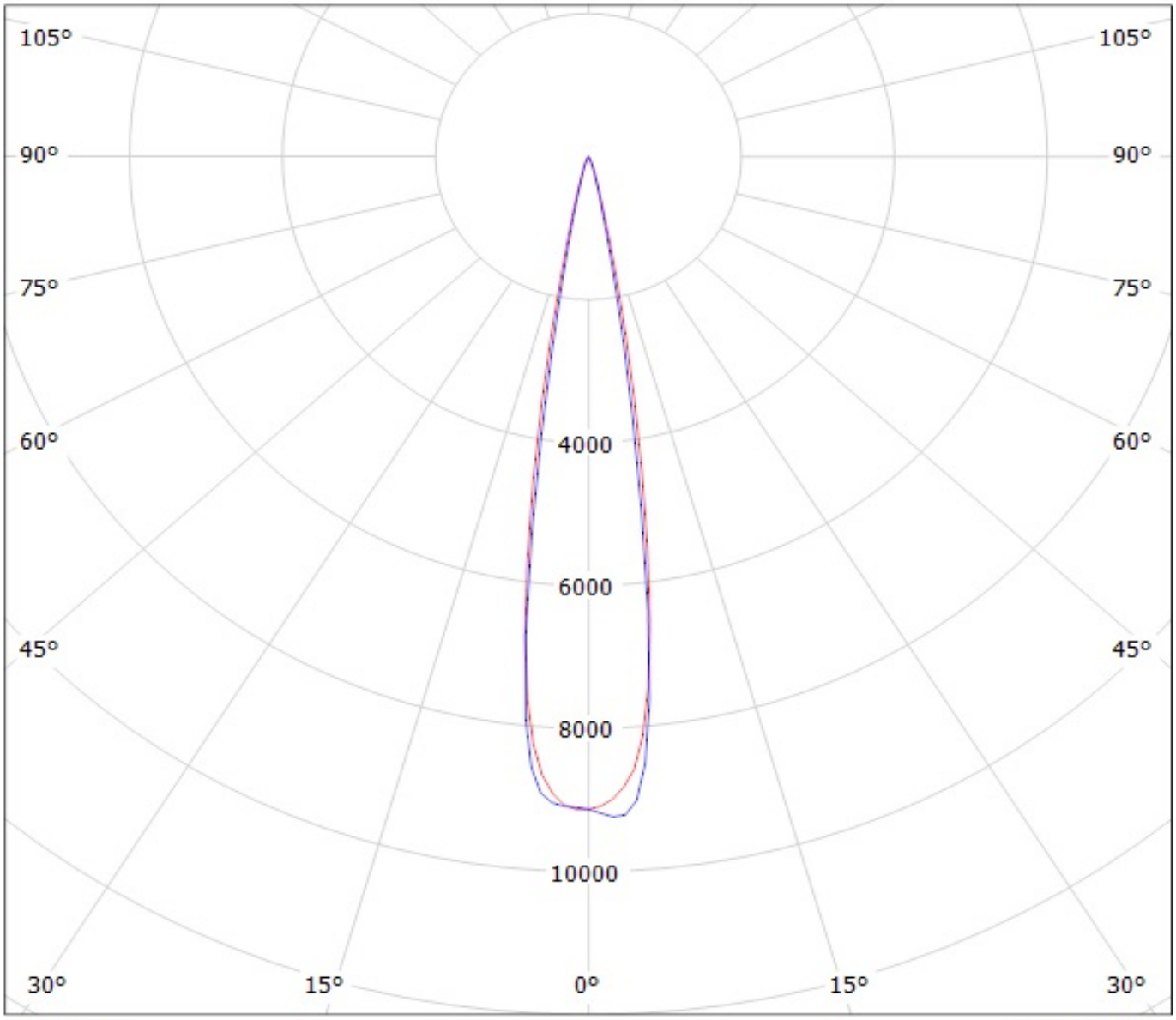
Luminaire: LEDiL Oy CA12064_EMILY-M_(Z8Y22plus)
Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_125.652lm@250mA_P=0.69312W_I=0.250A



Luminaire: Ledil Oy CA12064_EMILY-M_(XP-G2)_SIMULATED
Lamps: 1 x Cree XP-G2



Luminaire: LEDil Oy CA12064_EMILY-M_(XP-E2)
Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 78.62lm @ 250mA P=0.7W I=250mA

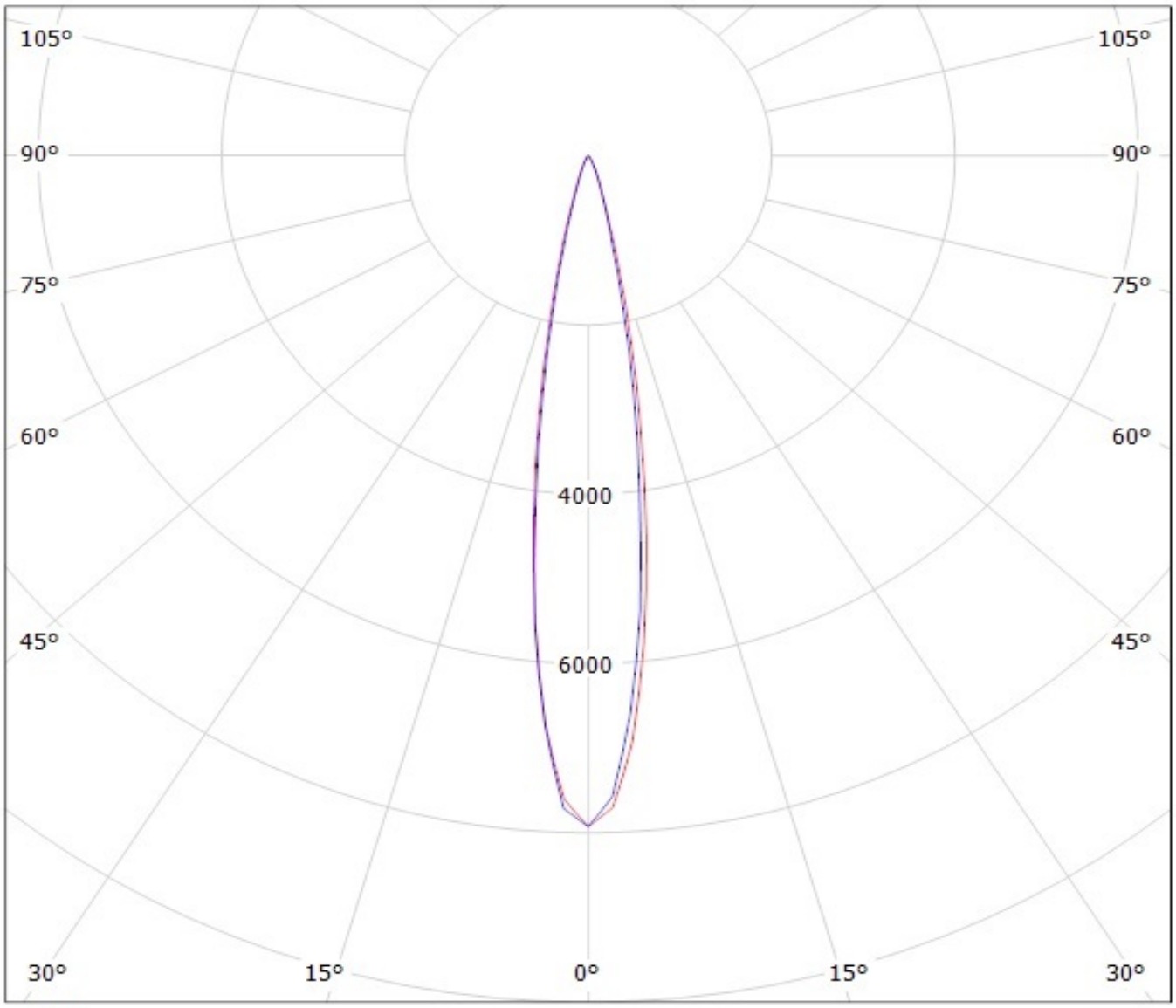


cd/klm

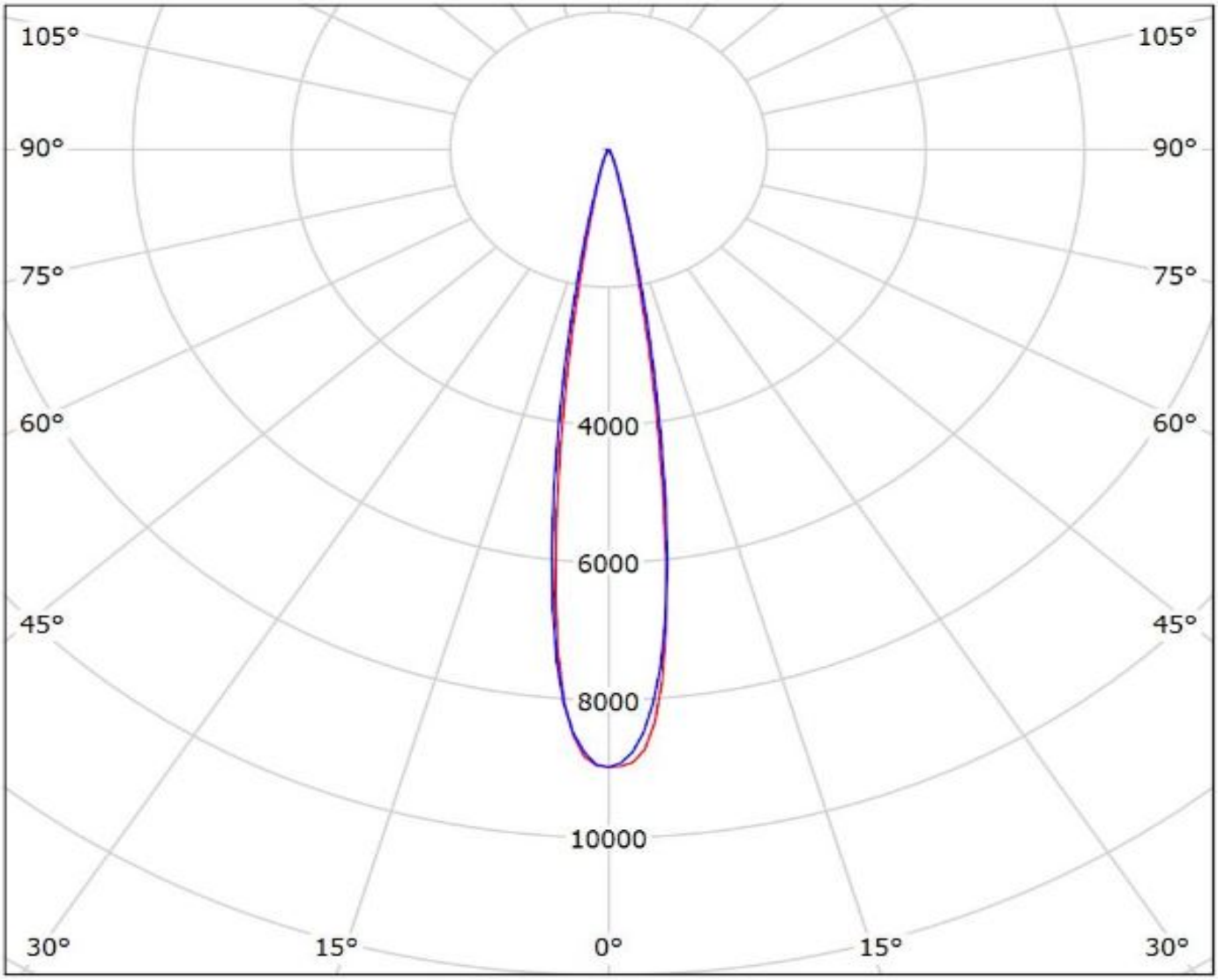
η = 87%

C0 - C180 C90 - C270

Luminaire: LEDil Oy CA12064_EMILY-M_(XM-L2) Efficiency=90%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA



Luminaire: Ledil CA12064_EMILY-M_(XP-L_HI)
Lamps: 1 x CREE_XP-L_HI_116.971lm@250mA_P=0.75W_I=0.25A

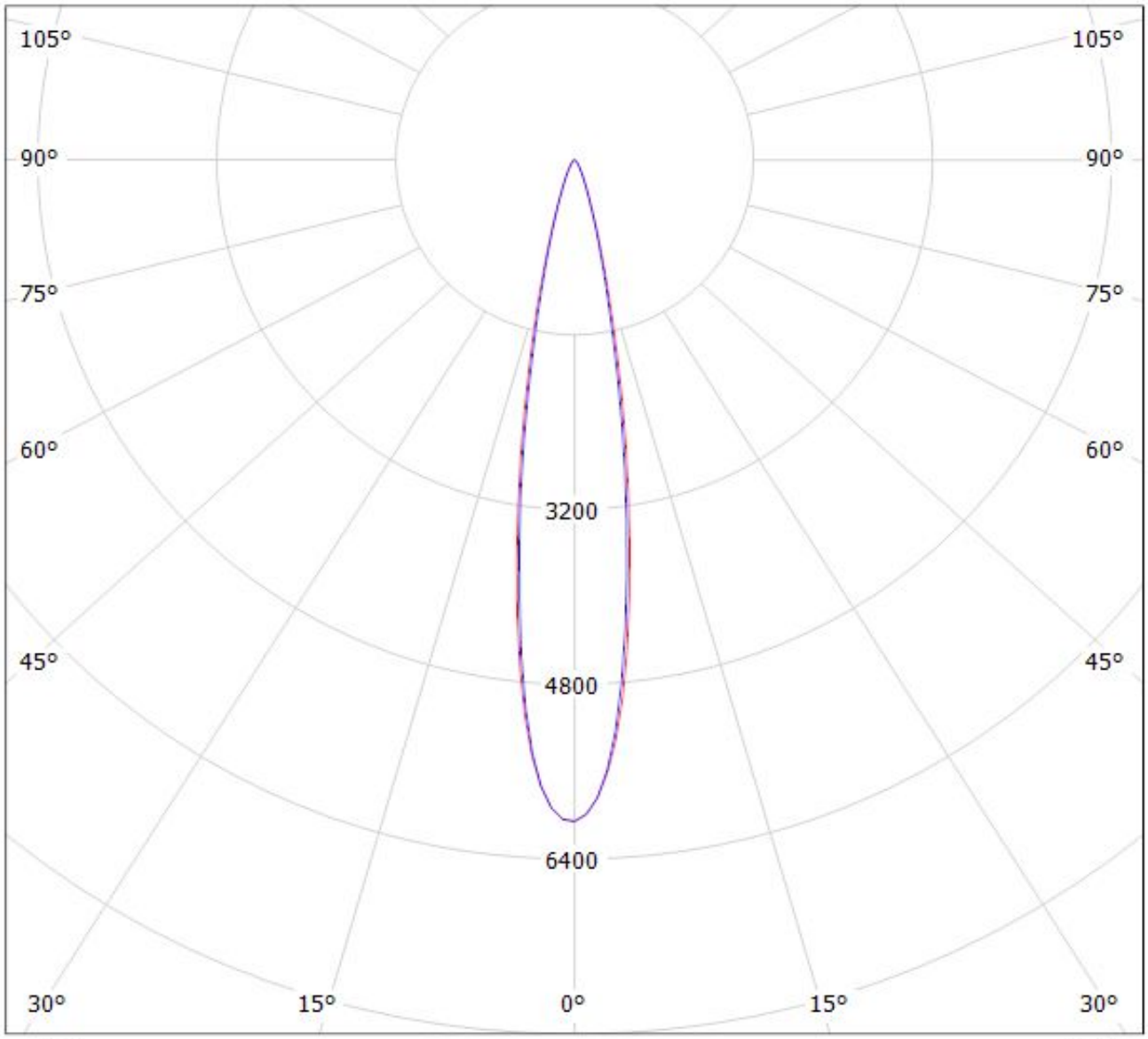


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CA12064_EMILY-M_(NS9x383) Eff. 90,2%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)

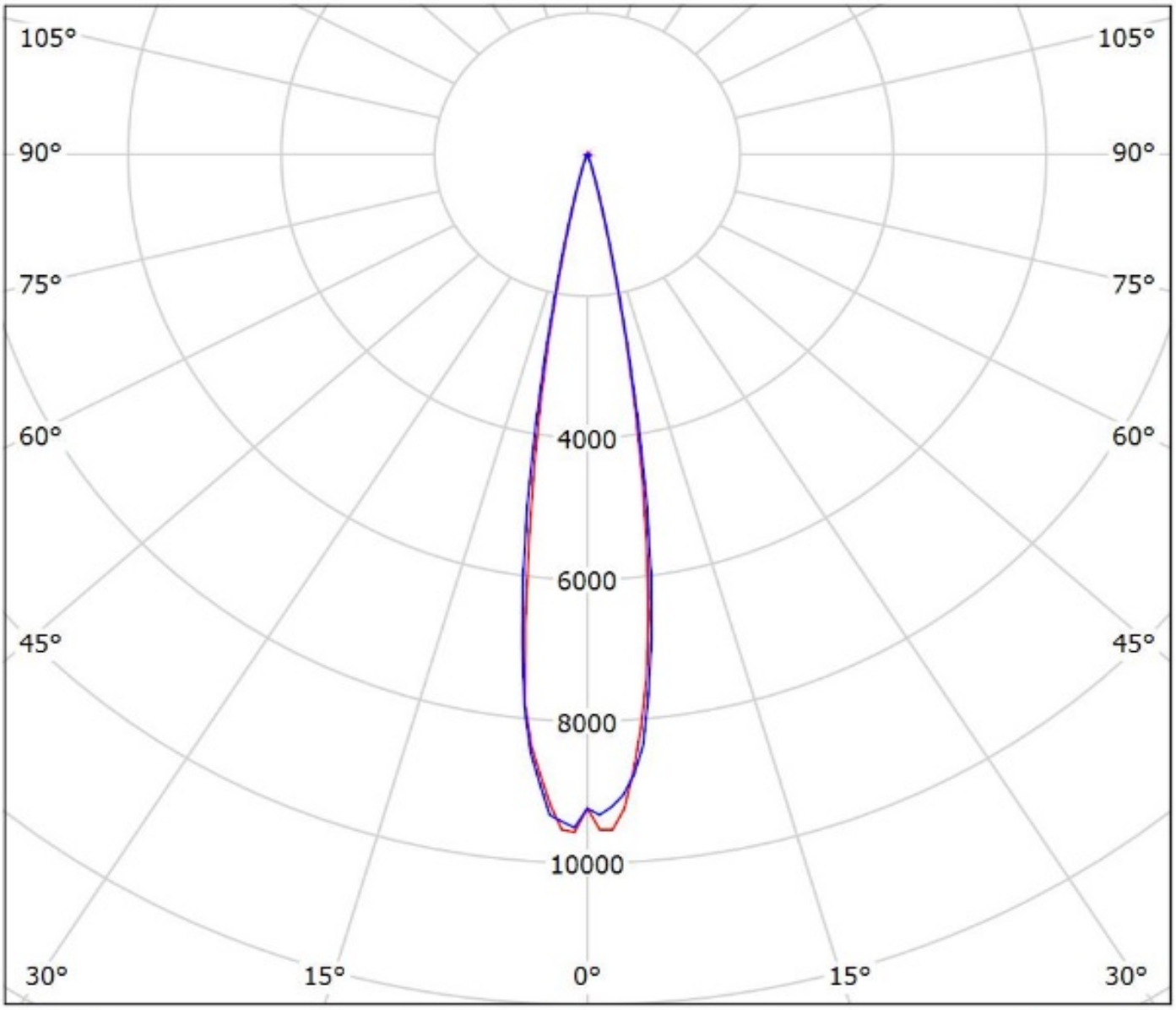


cd/klm

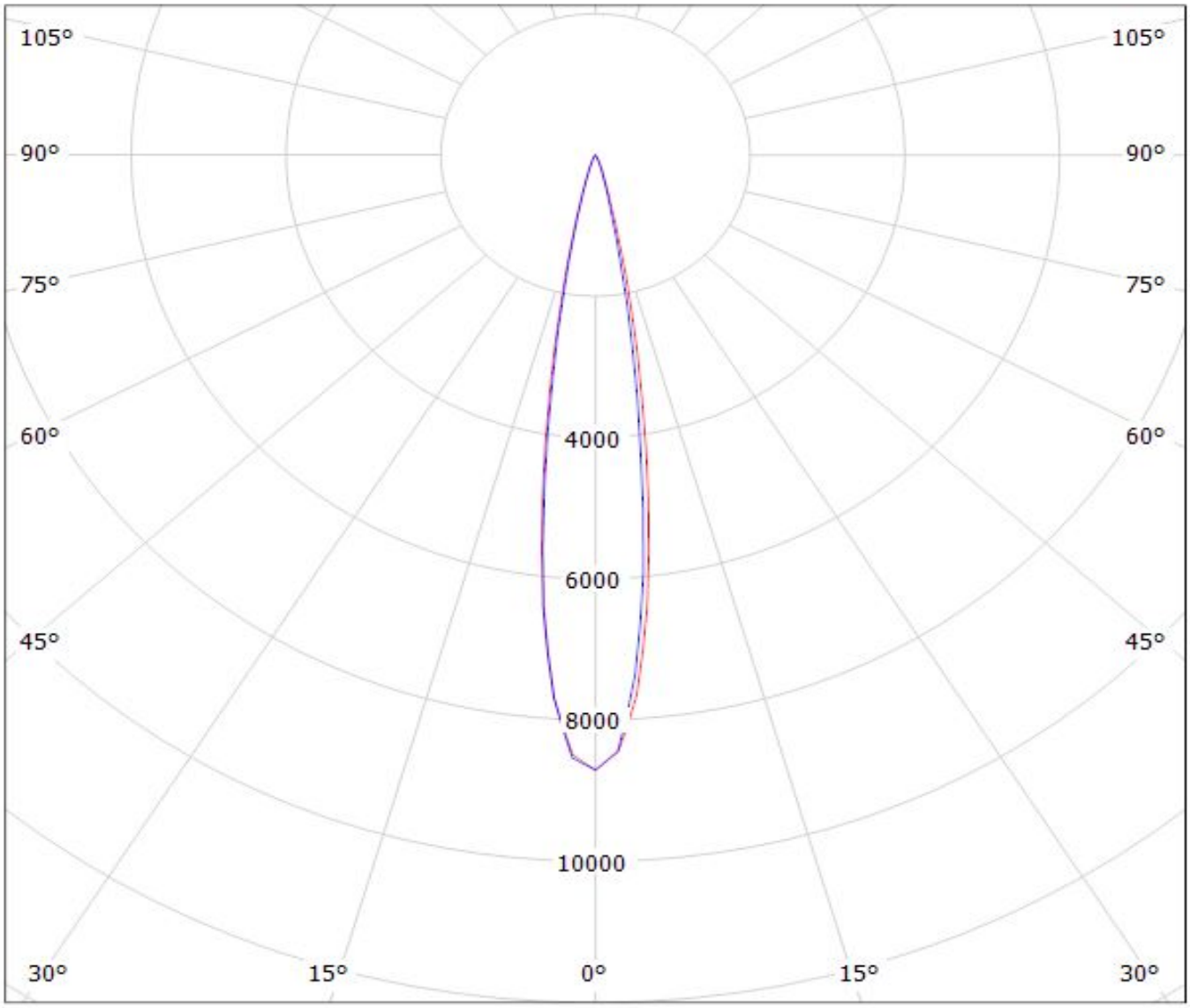
η = 90%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CA12064_EMILY-M_(Oslon_Black_Flat)_SIMULATED
Lamps: 1 x Osram Oslon Black Flat (LUV HWQP)



Luminaire: Ledil Oy CA12064_EMILY-M_(LH351B) Efficiency=88%
Lamps: 1 x Samsung LH351B 106lm @ 250mA CCT= P=0.72W I=250mA

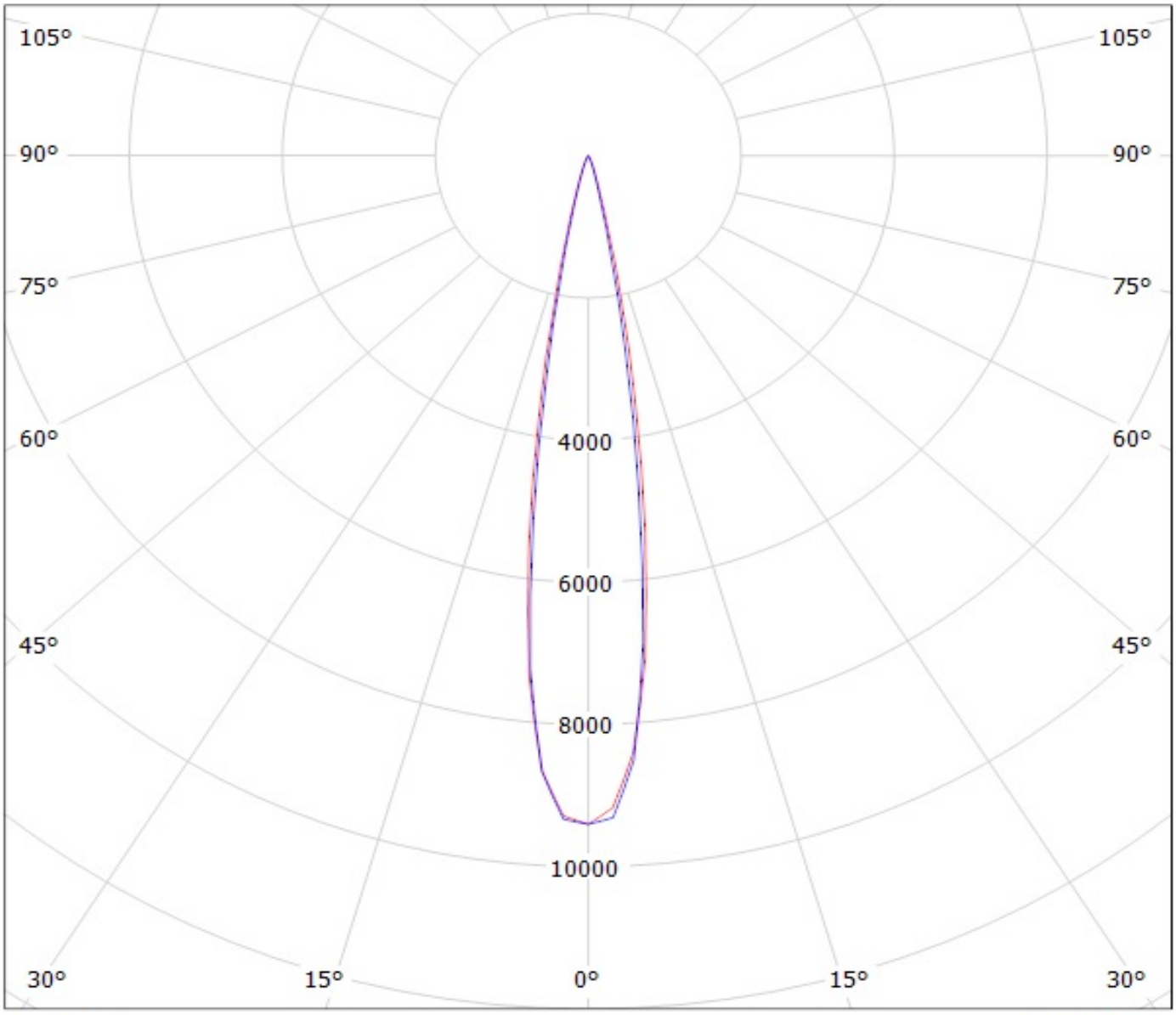


cd/klm

η = 90%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CA12064_EMILY-M_(LH351Z) Efficiency=89%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA

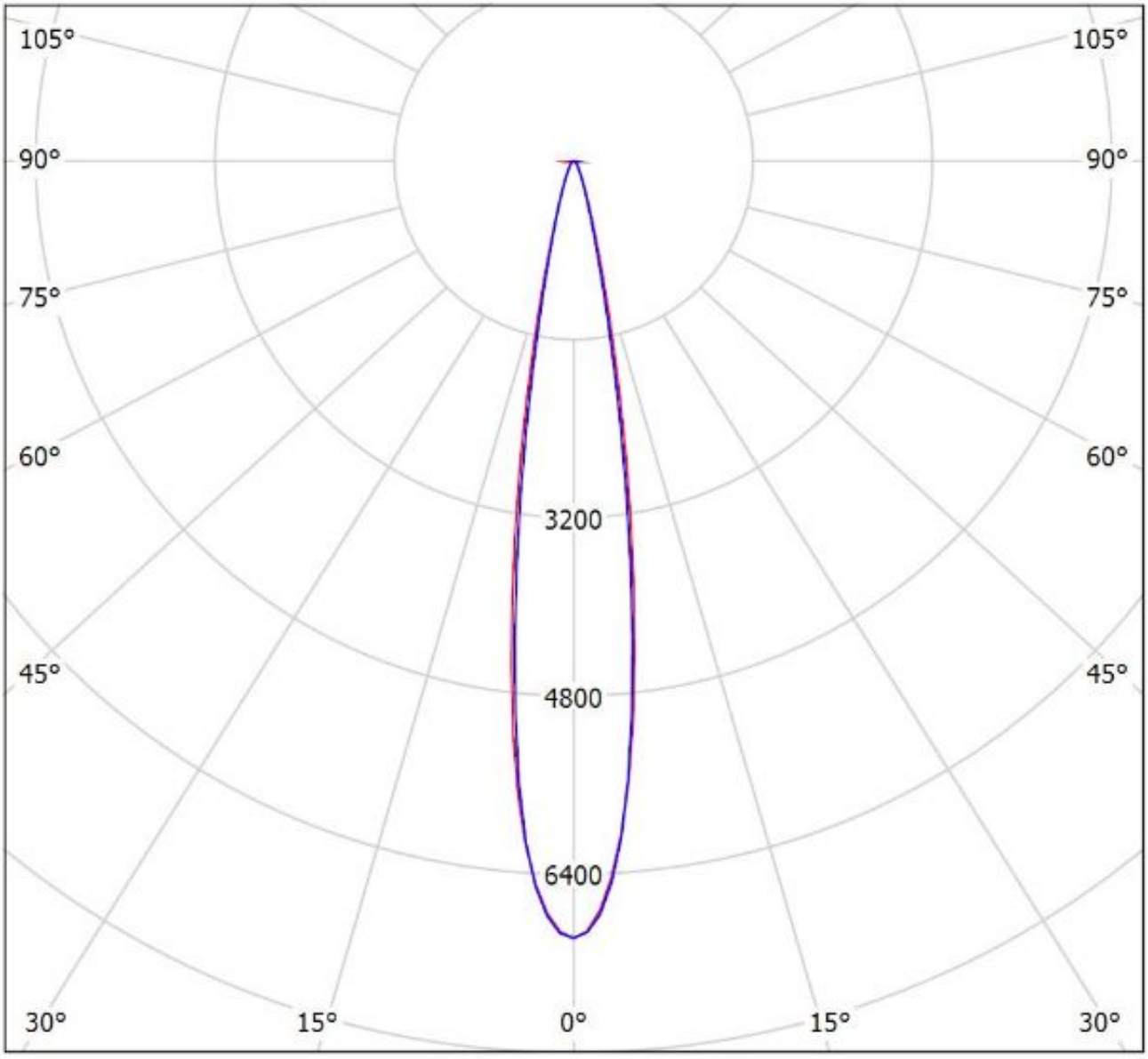


cd/klm

η = 90%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CA12064_EMILY-M_(Z8Y22plus)
Lamps: 1 x Seoul_Z8Y22plus_(W6E2G)_125.652lm@250mA_P=0.69312W_I=0.250A



cd/klm

η = 94%

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.