PRODUCT DATASHEET
Emily series
last update 9/6/2016

DETAILS



Product Number	CA11934_EMILY-W
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 Comliant	Yes
Date Updated	9/06/2016

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XM-L	36 deg	Wide	86 %	-	-
XP-E	39 deg	Wide	86 %	1.600	-
XP-G	40 deg	Wide	86 %	1.500	-
XM-L HVW	sim: 36	Wide	86 %	-	-
XT-E	36 deg	Wide	-	1.500	-
XP-G2	38 deg	Wide	84 %	1.700	-
XP-E2	39 deg	Wide	84 %	1.700	-
XM-L2	39 deg	Wide	86 %	1.700	-
XP-L	38 deg	Wide	87 %	1.710	-
XP-L HI	36 deg	Wide	86 %	1.800	-
XHP35 HD	39 deg	Wide	83 %	1.600	-
LUXEON Rebel ES	40 deg	Wide	88 %	-	-
LUXEON Rebel	40 deg	Wide	86 %	-	-
LUXEON A	40 deg	Wide	84 %	-	-
NCSxx19A	40 deg	Wide	86 %	-	-
NVSxx19A	40 deg	Wide	86 %	-	-
NS9x383	34 deg	Wide	84 %	1.800	-
NCSxx19B	sim: 45	Wide	sim: 86 %	sim: 1.000	-
Oslon SSL 80	40 deg	Wide	86 %	1.250	-
Oslon SSL 150	40 deg	Wide	86 %	-	-
Oslon Square EC	38 deg	Wide	84 %	1.860	-
Oslon Black Flat	sim: 32	Wide	sim: 94 %	sim: 3.500	-
Oslon Black	sim: 36	Wide	sim: 96 %	sim: 2.800	-
LH351B	38 deg	Wide	88 %	1.800	-
LH351Z	39 deg	Wide	85 %	1.700	-

Ledil Oy
Salorankatu 10
24240 SALO, Finland

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

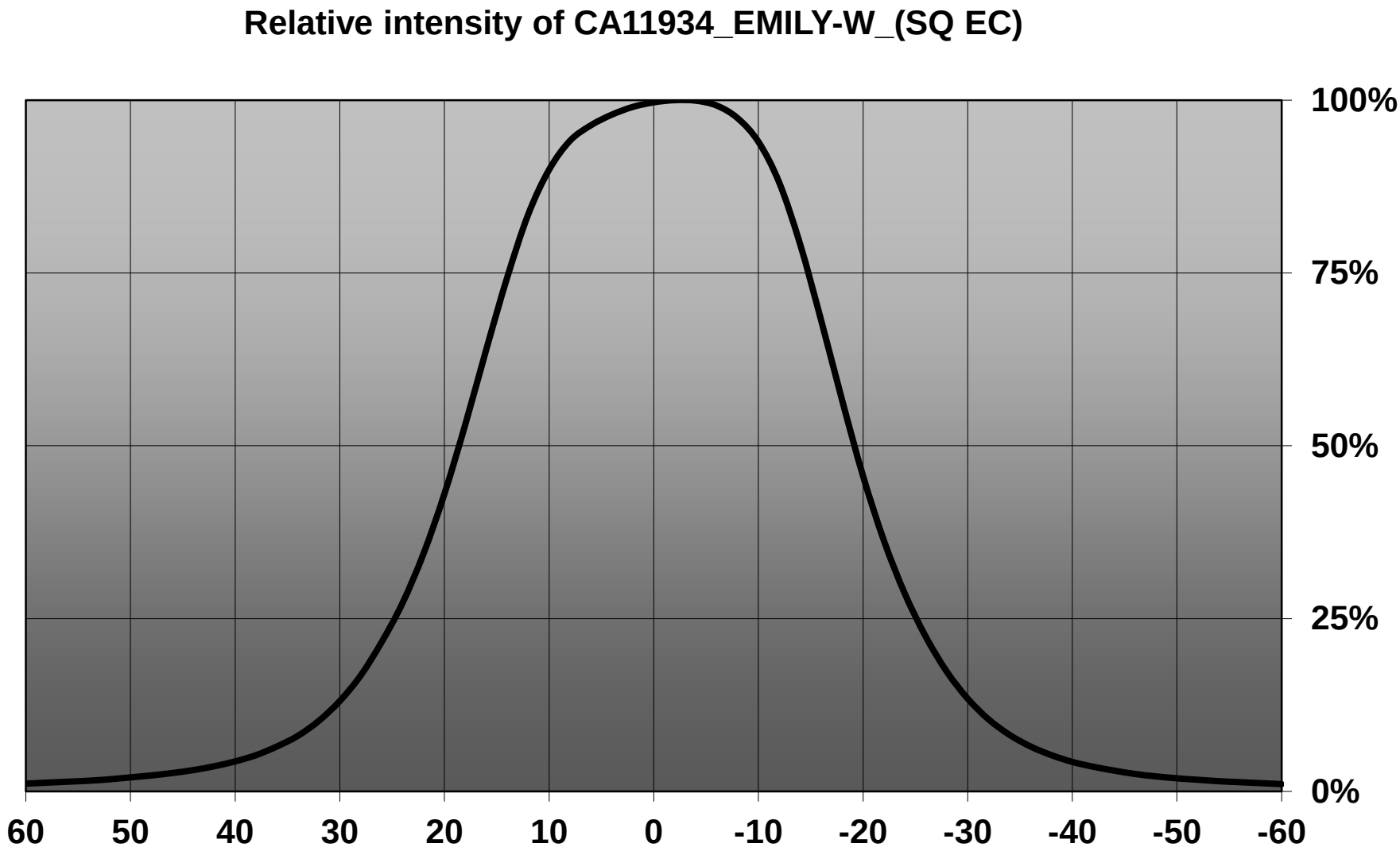
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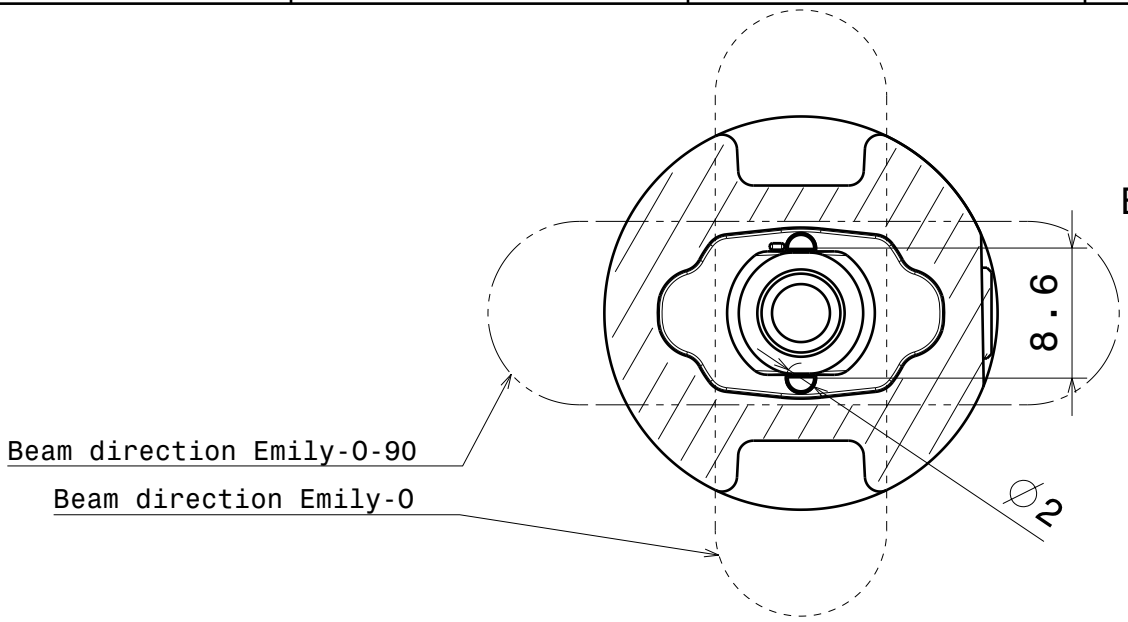
OPTICAL PROPERTIES

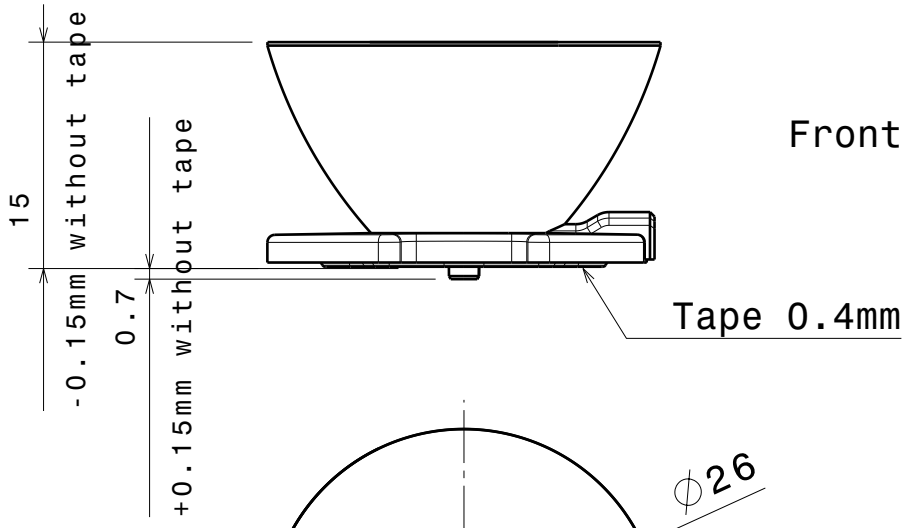
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
Z5	40 deg	Wide	86 %	-	-
Z8Y22P	34 deg	Wide	89 %	1.700	-
Double Dome (GM2BB)	40 deg	Wide	86 %	-	-

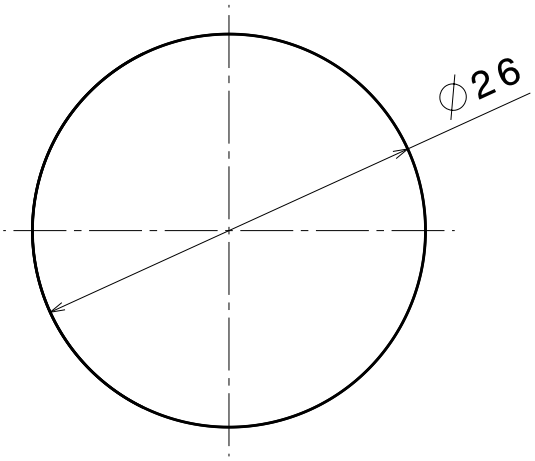
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FAX: +358-2-733 8001


Relative intensity of CA11934_EMILY-W_(SQ EC)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60







Materials:
Lens PMMA
Tape PU Foam with adhesive

Part no.s:
CA11387_Emily-SS
CA11388_Emily-M
CA11389_Emily-0
CA11390_Emily-0-90
CA11391_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 series lens

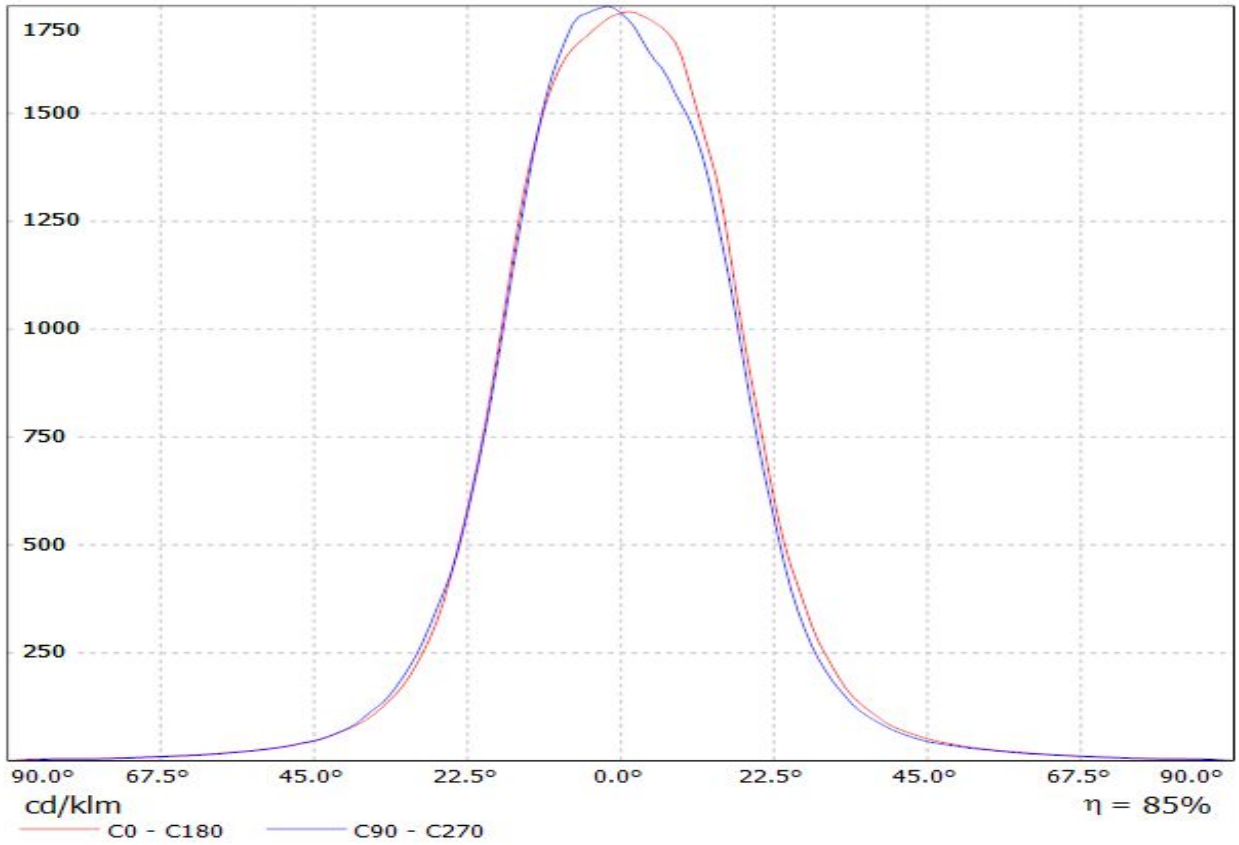
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SIZE A4

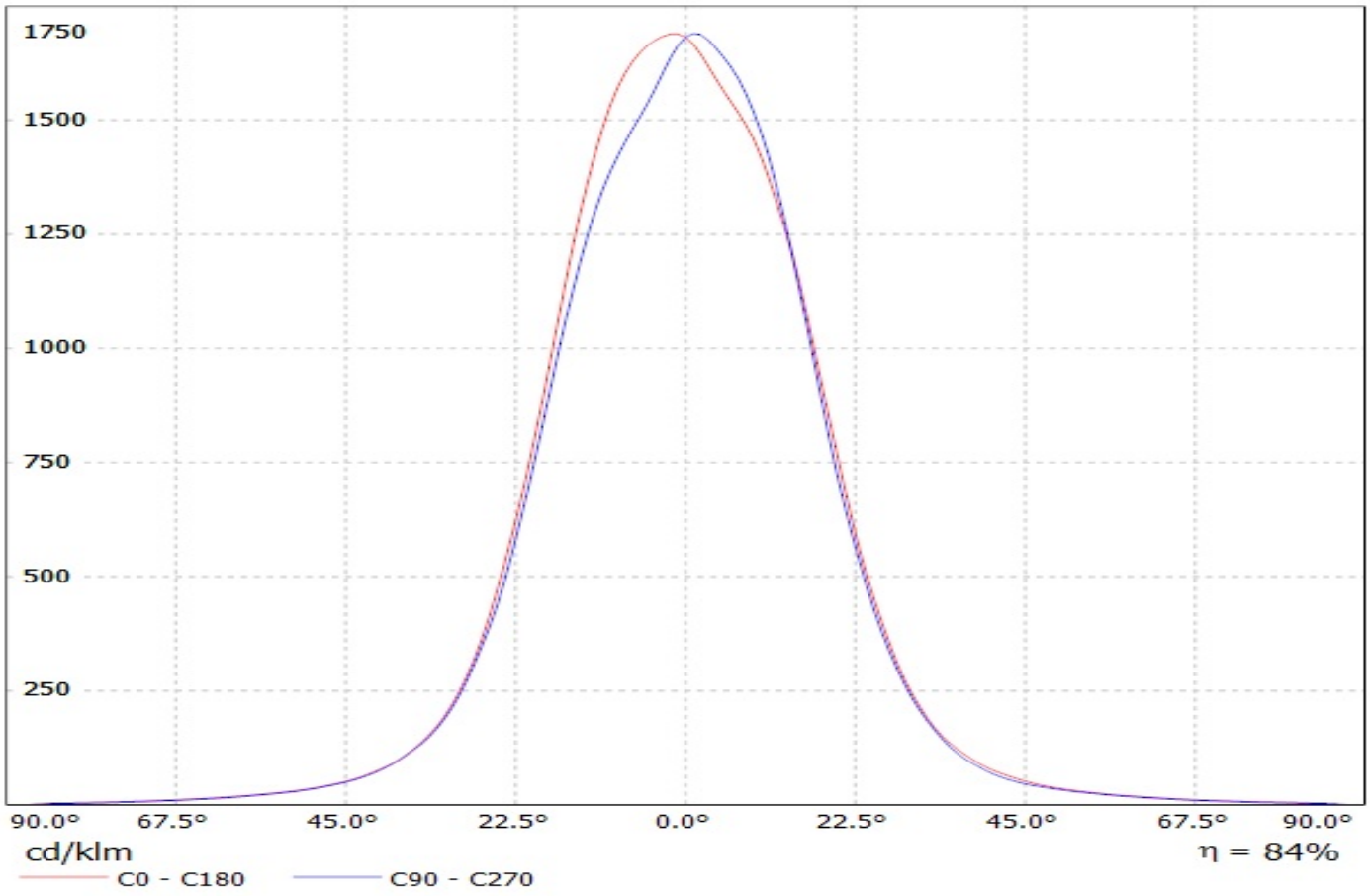
PART NUMBER

SCALE 2:1 WEIGHT SHEET 1/1

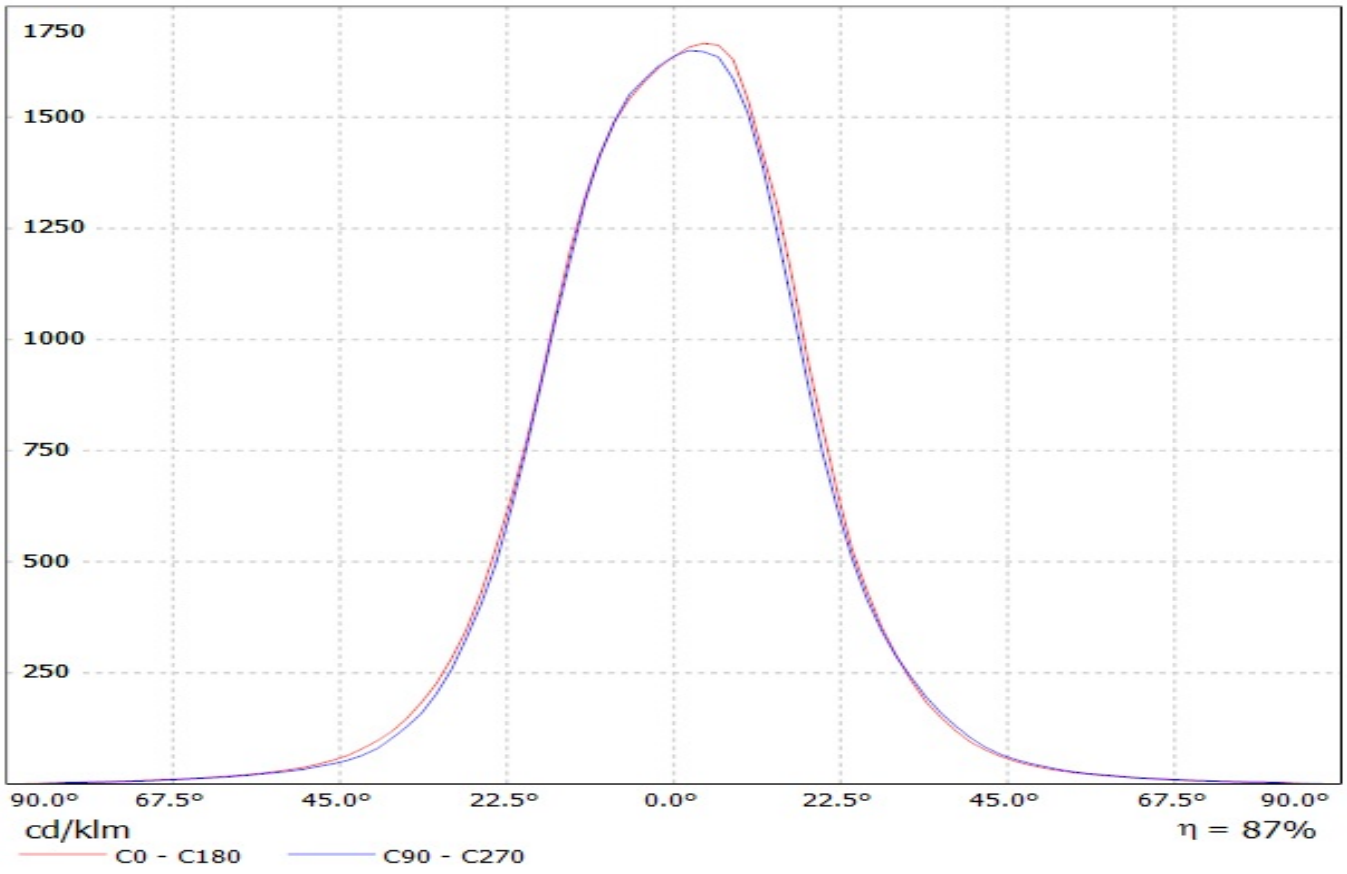
Luminaire: LEDiL Oy CA11934_EMILY-W_(XP-G2) Eff.84%
Lamps: 1 x Cree XP-G2 (98lm@250mA)



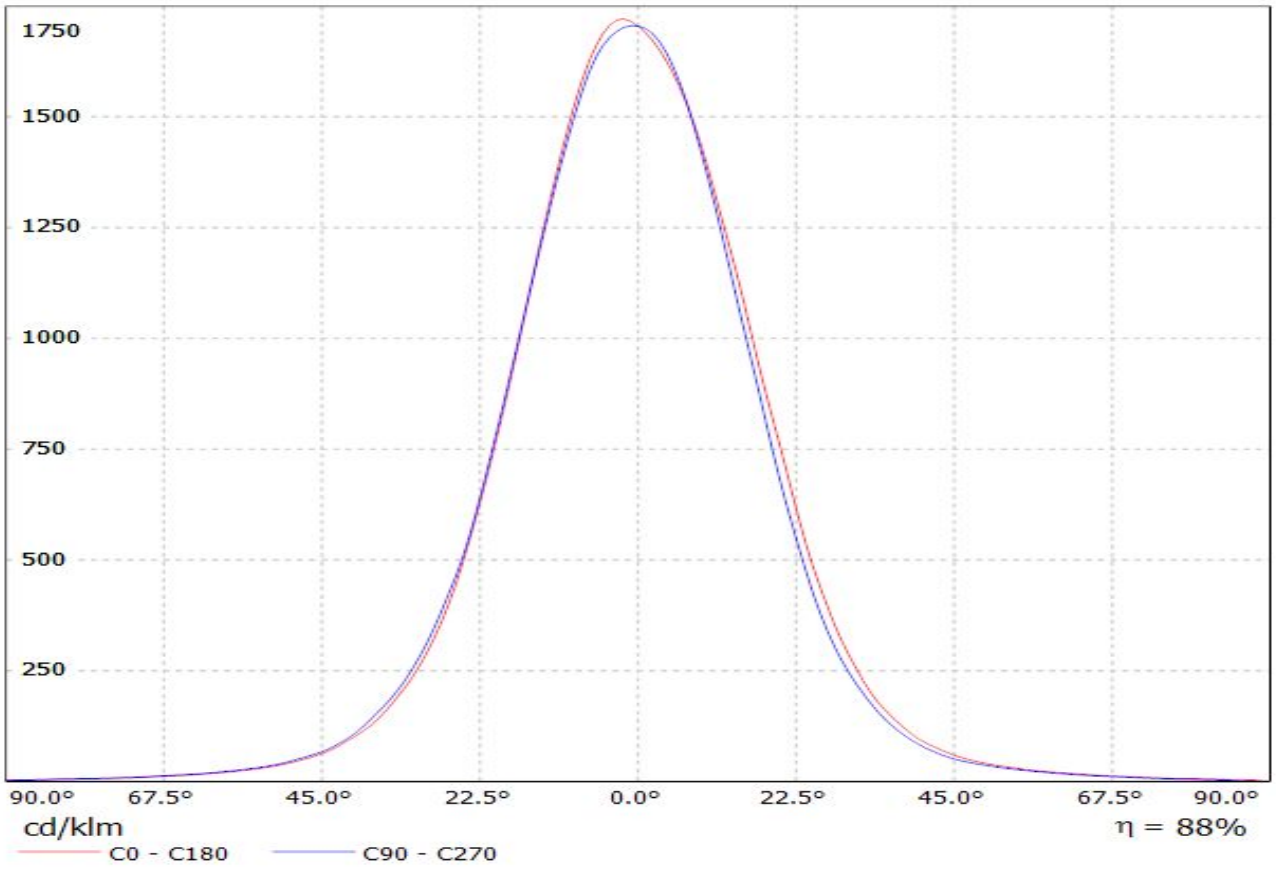
Luminaire: LEDil Oy CA11934_EMILY-W_(XP-E2)
Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 78.62lm @ 250mA P=0.8W I=250mA



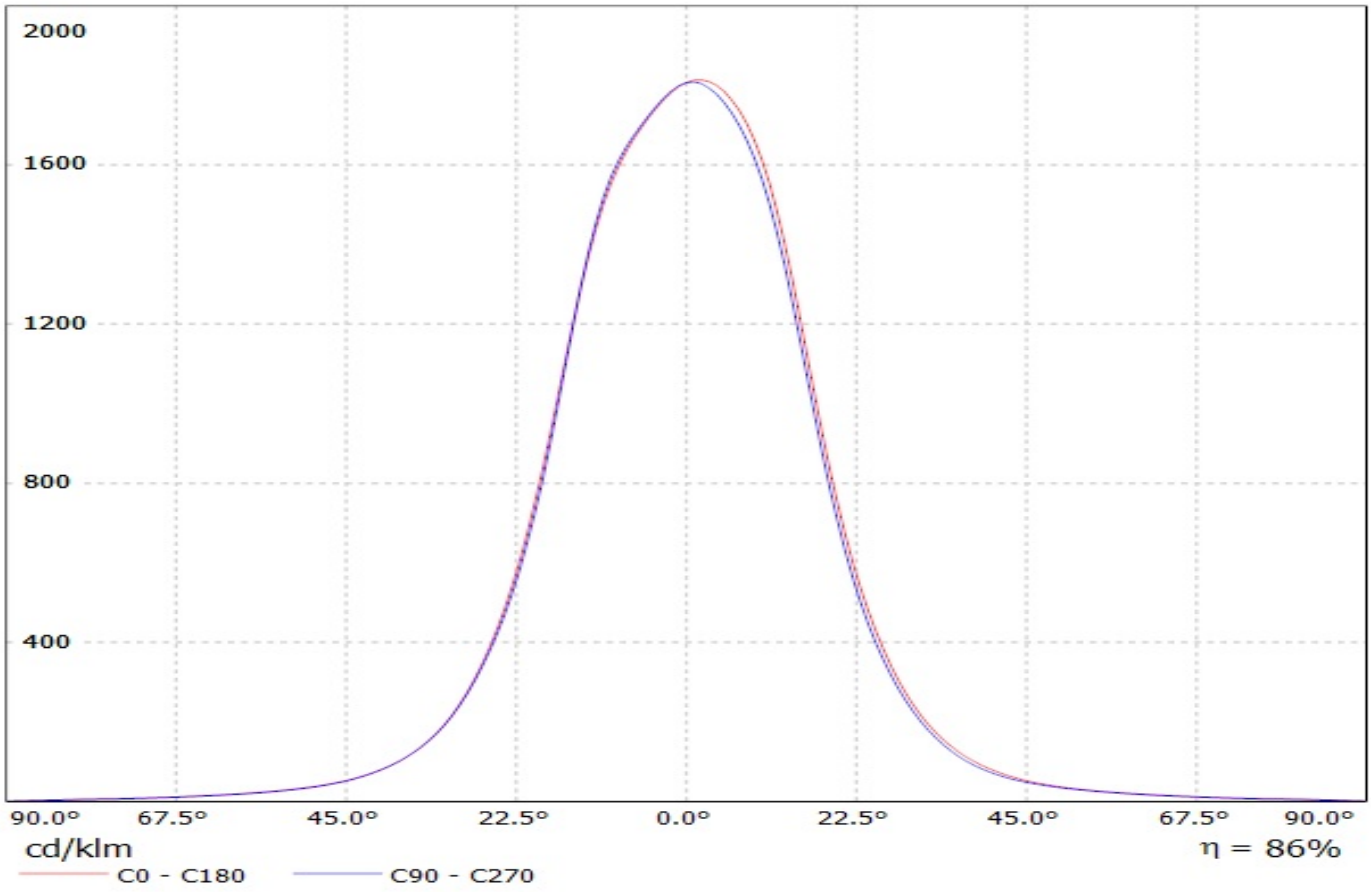
Luminaire: LEDil Oy CA11934_EMILY-W_(XM-L2) Efficiency=86%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA



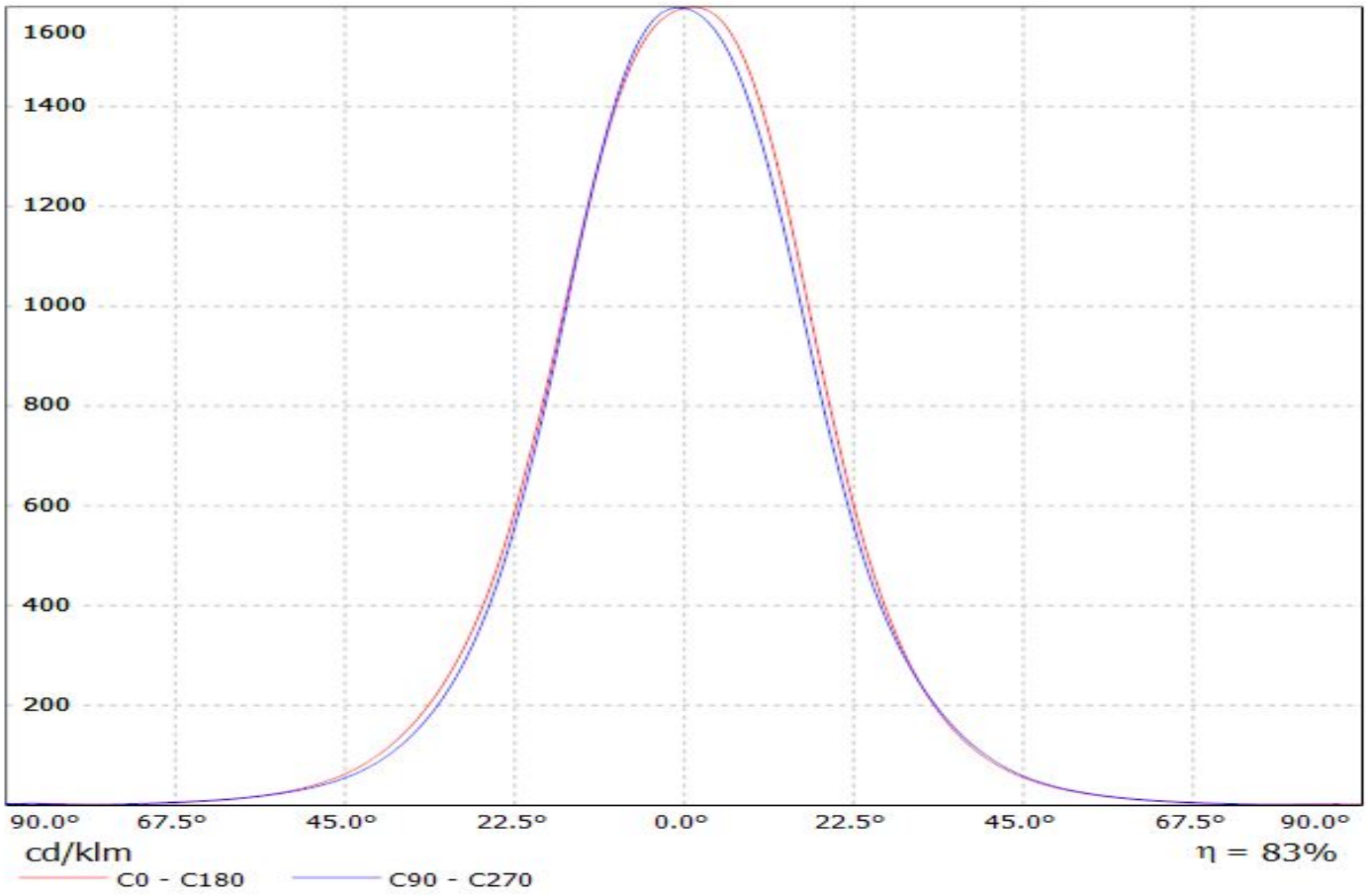
Luminaire: Ledil Oy CA11934_EMILY-W_(XP-L) Efficiency= 87%
Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA



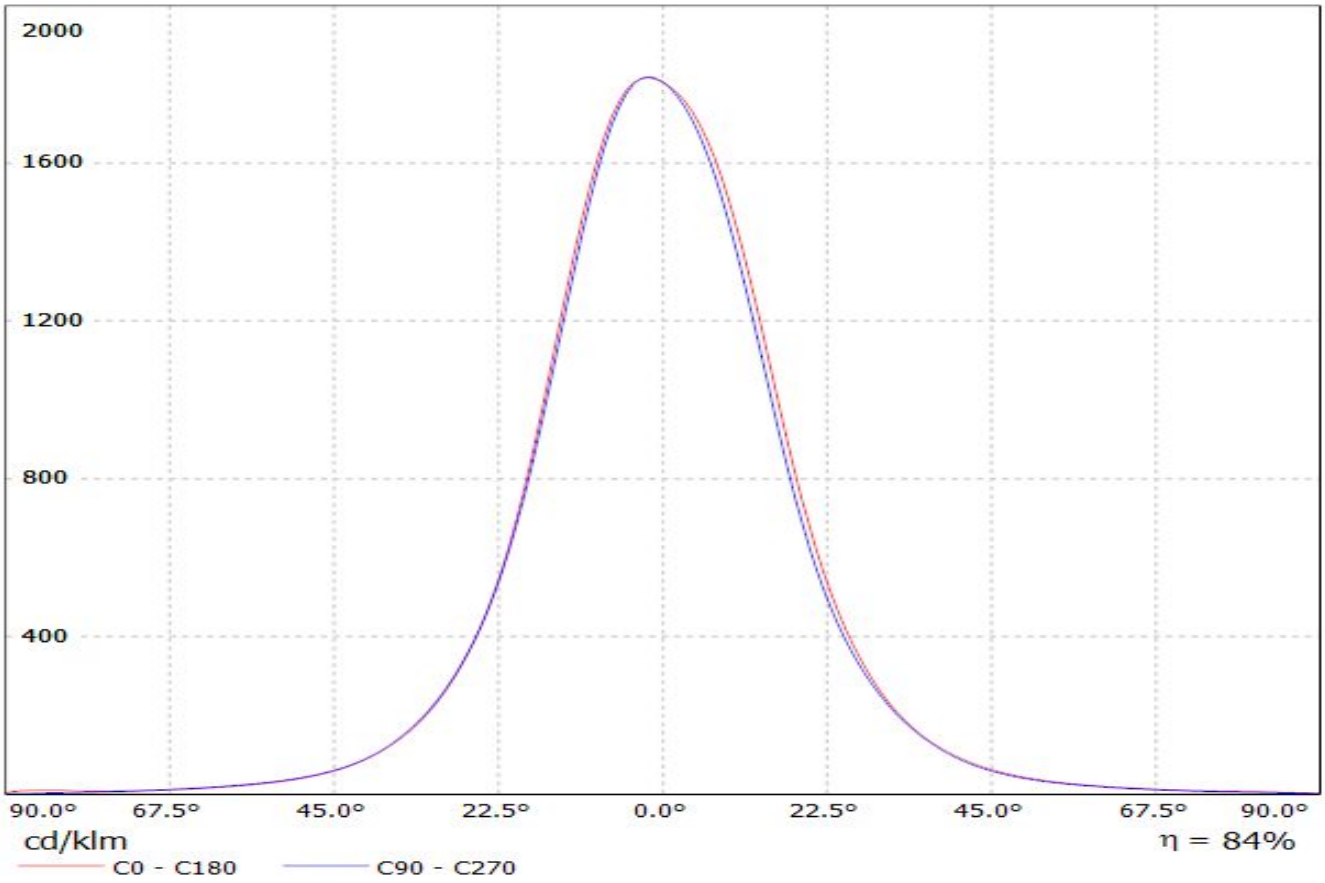
Luminaire: LEDiL Oy CA11934_EMILY-W_(XP-L_HI)
Lamps: 1 x Cree_XP-L_HI_114.406lm@250mA_P=0.745352W_I=0.2499A



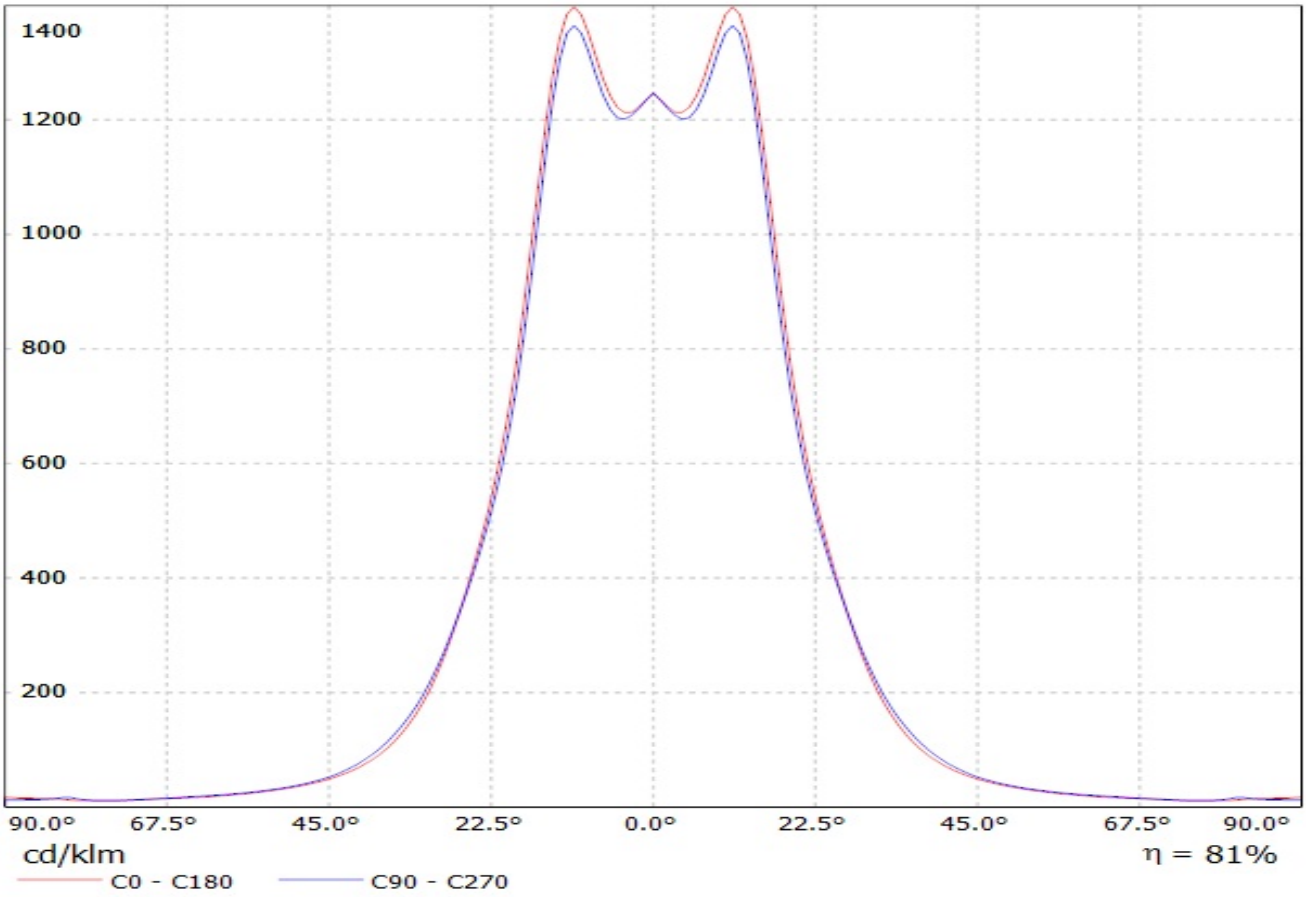
Luminaire: LEDiL Oy
Lamps: 1 x CA11934_EMILY-W_(XHP35)



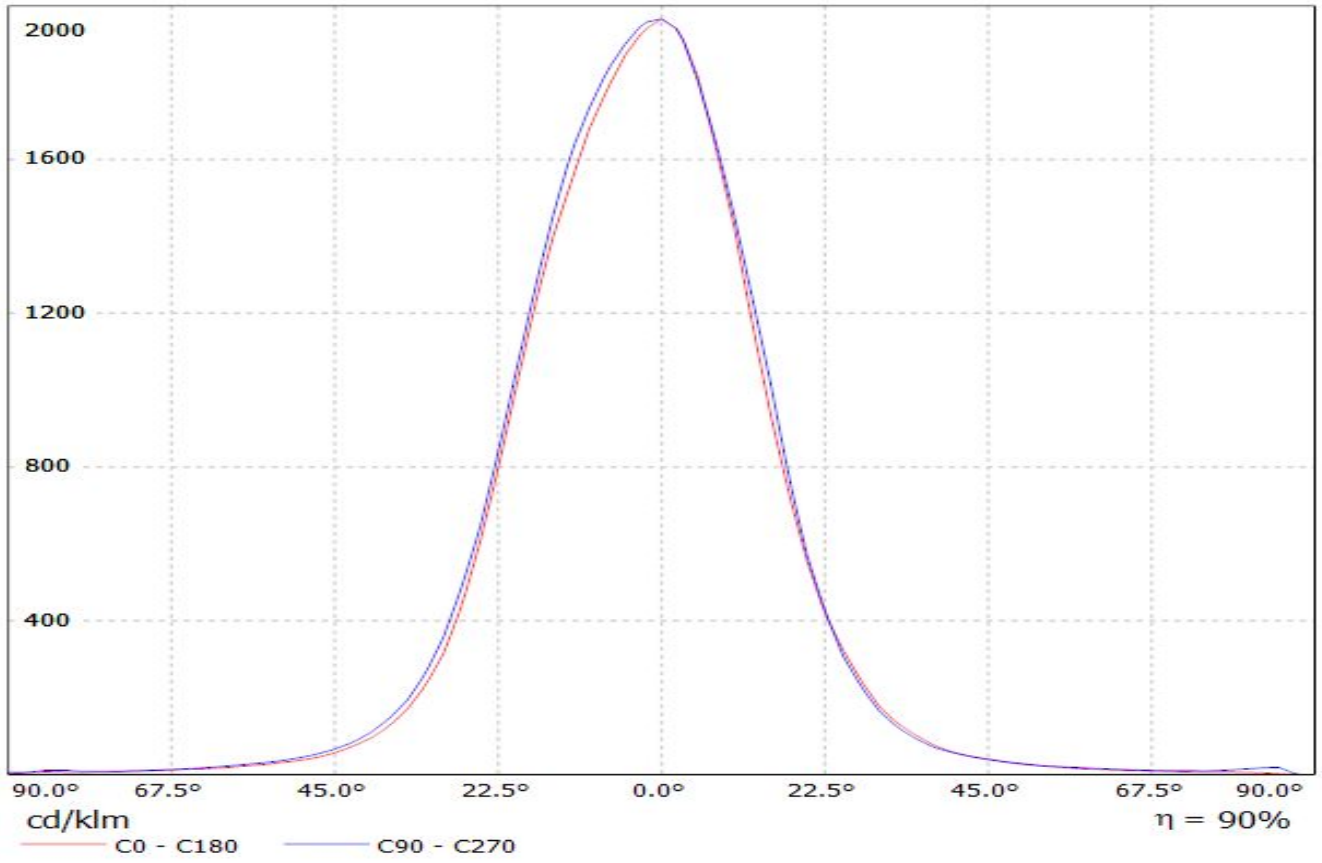
Luminaire: LEDiL Oy CA11934_EMILY-W_(NS9x383) Eff.84,3%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



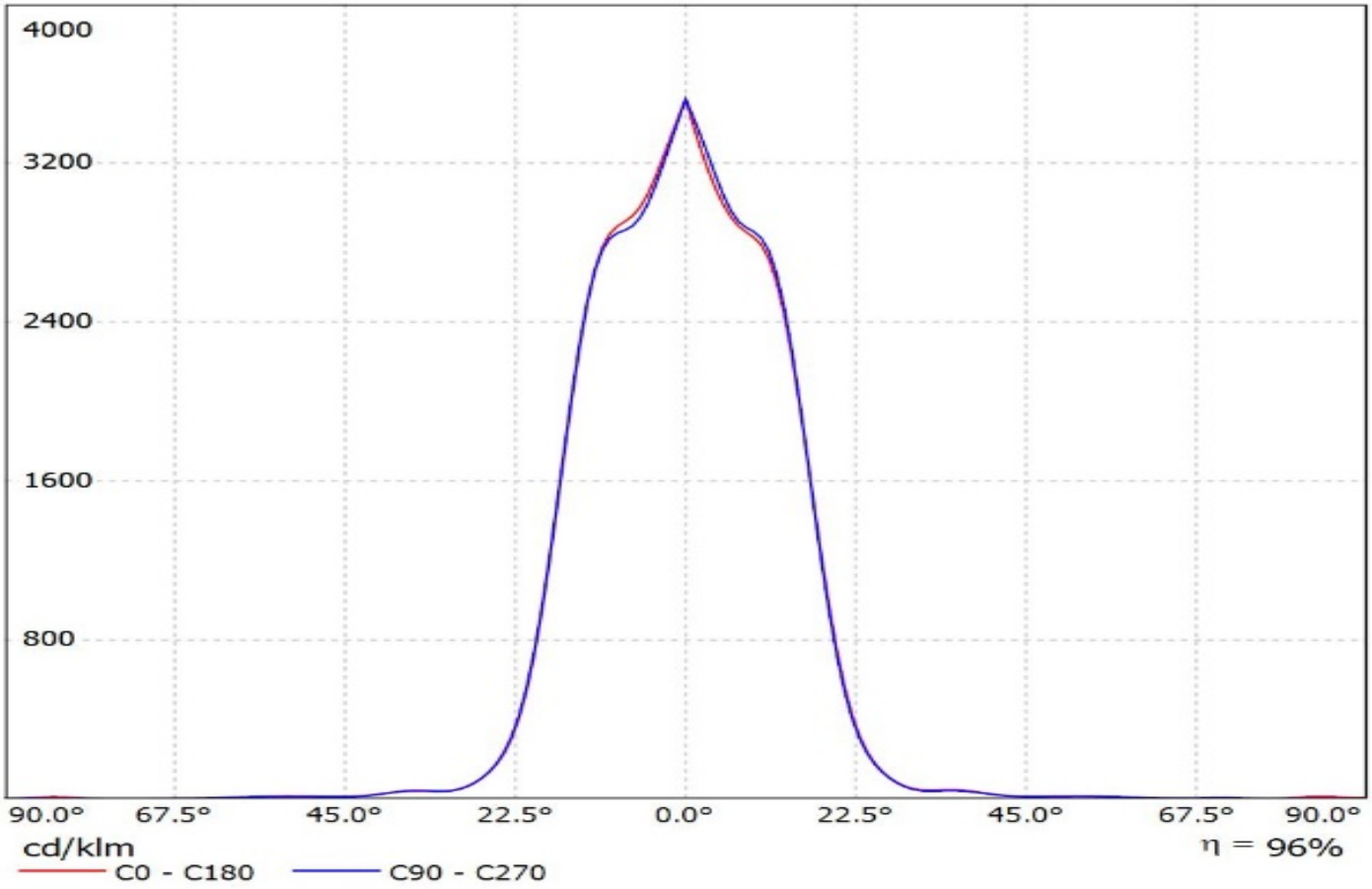
Luminaire: LEDIL OY CA11934_EMILY-W (Osram Oslon SSL 80°) Efficiency=86%
Lamps: 1 x Osram Oslon SSL 80° (85lm@250mA)



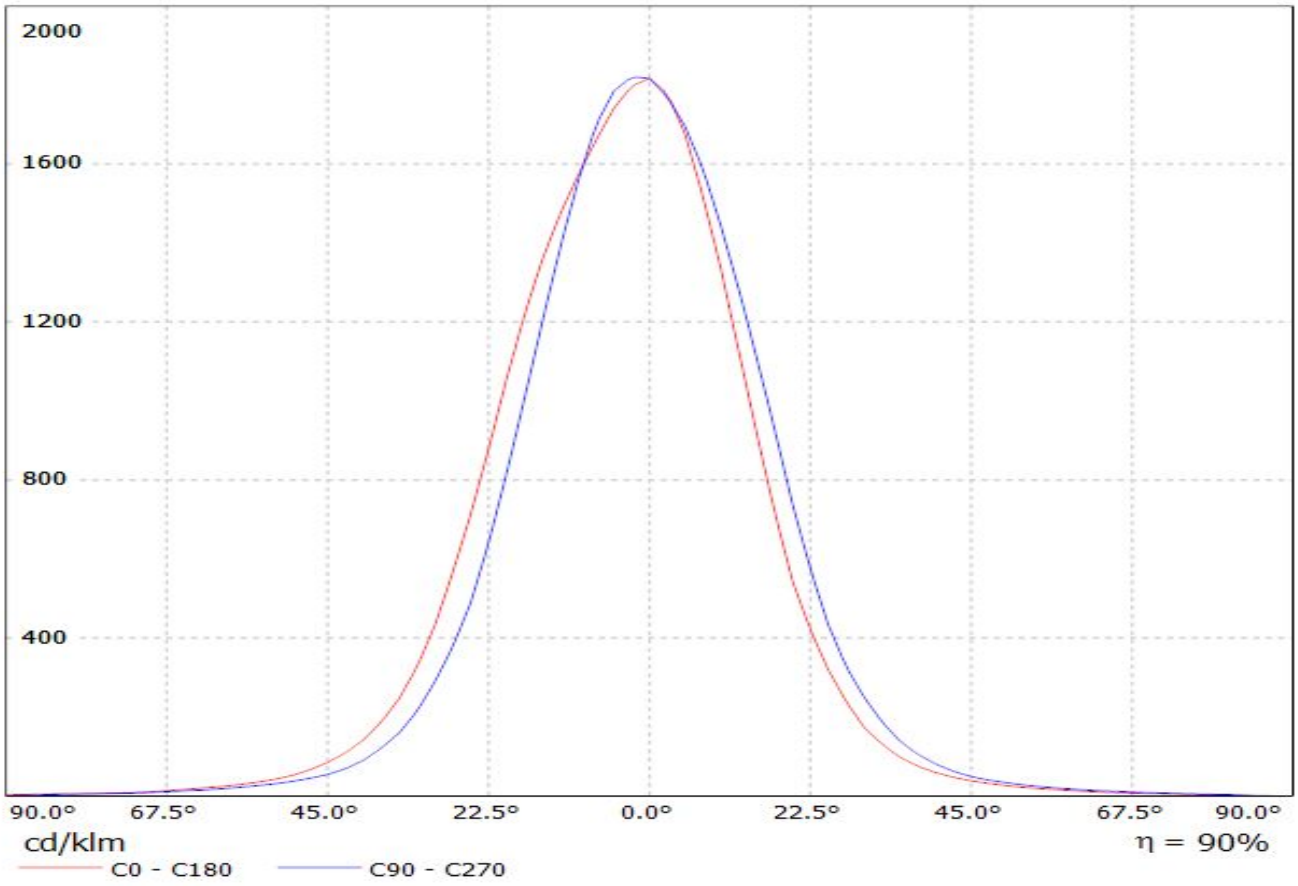
Luminaire: Ledil Oy CA11389-EMILY-O (Osram Square EC 62lm @ 250mA) Efficiency=87%
Lamps: 1 x Osram Square EC 62lm @ 250mA



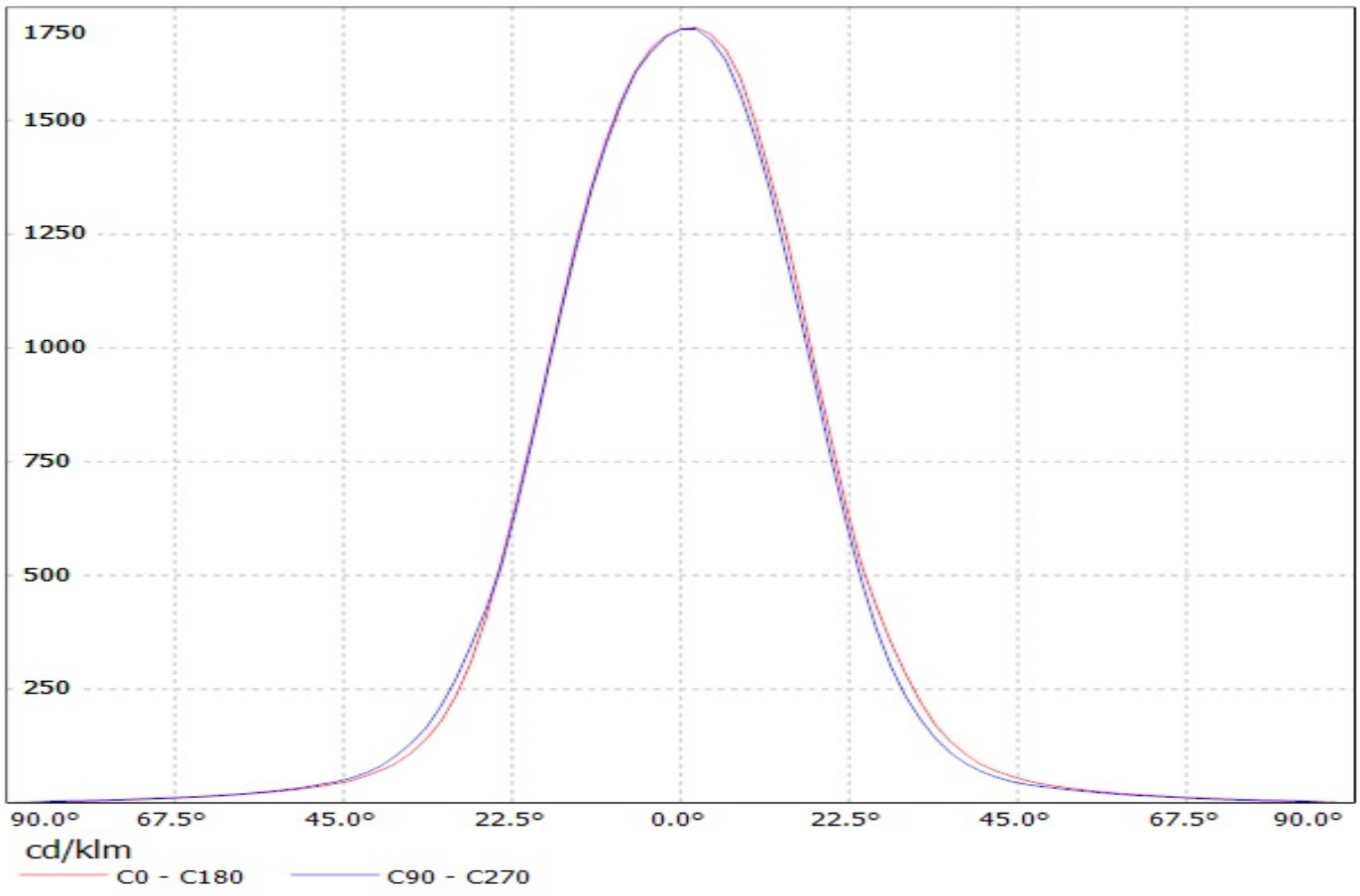
Luminaire: Ledil Oy CA11934_EMILY-W_(Oslon_Black_Flat)_SIMULATED
Lamps: 1 x Osram Oslon Black Flat (LUV HWQP)



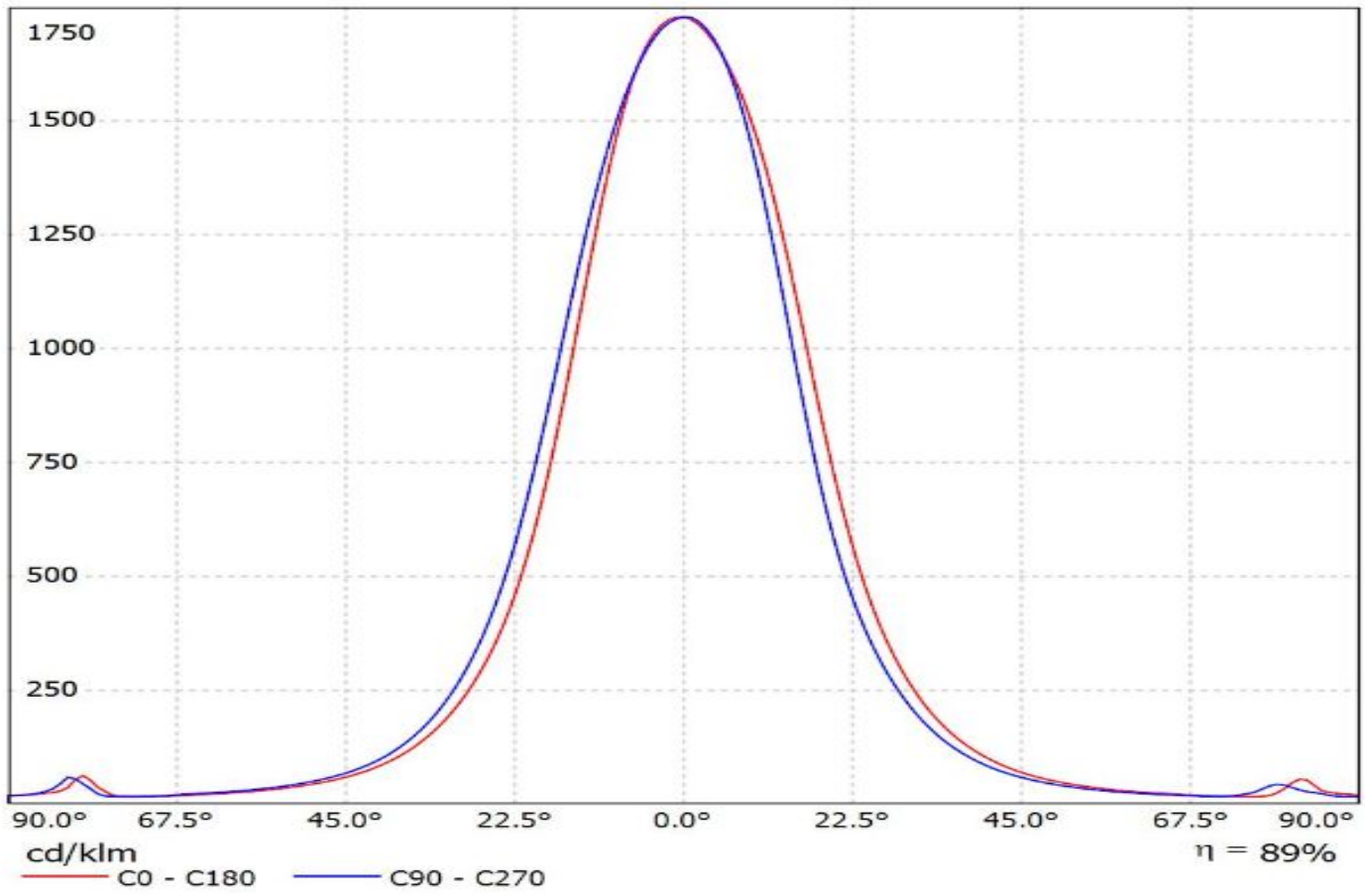
Luminaire: Ledil Oy CA11934_EMILY-W_(LH351B) Efficiency=88%
Lamps: 1 x Samsung LH351B 106lm @ 250mA CCT= P=0.72W I=250mA



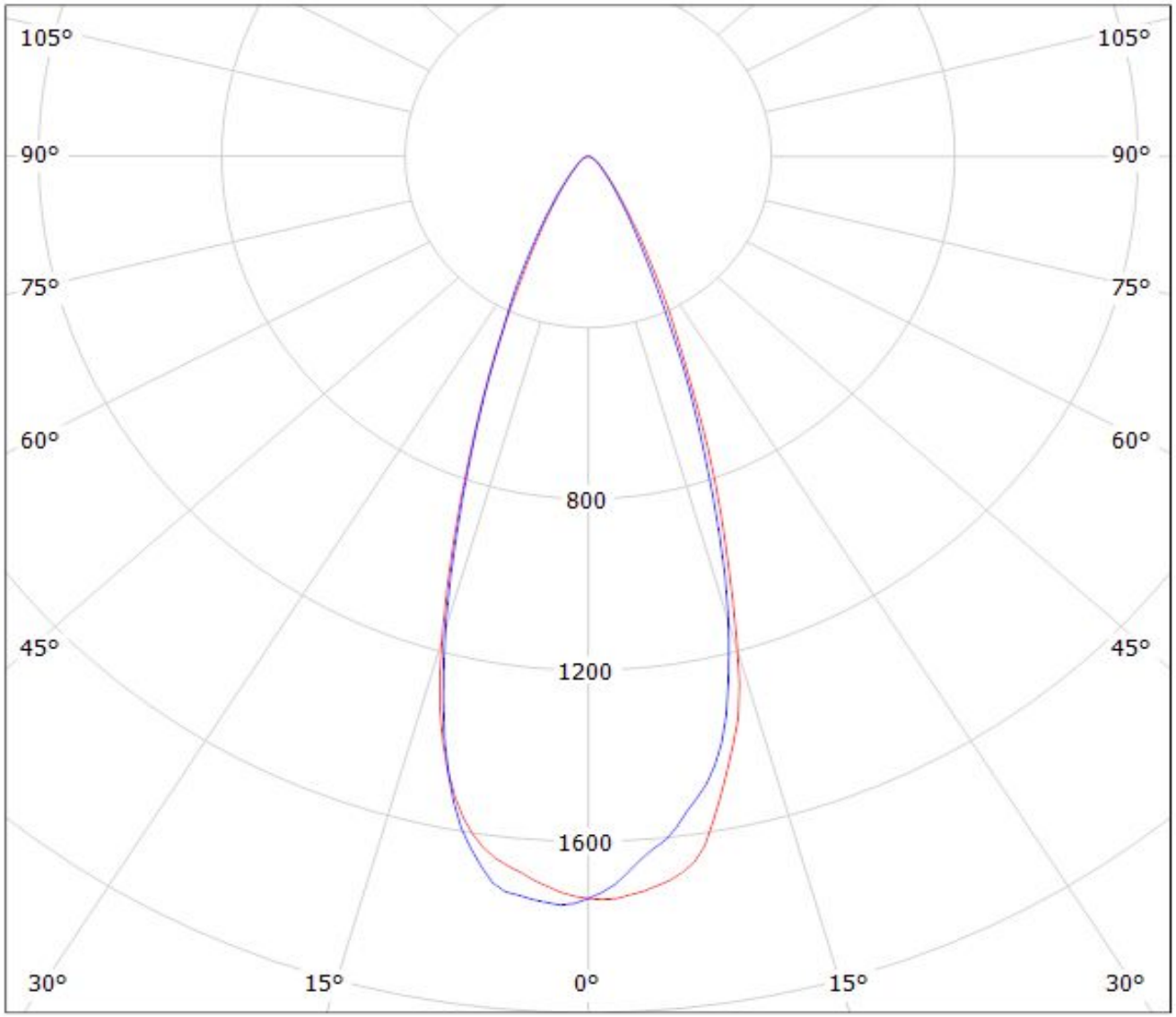
Luminaire: Ledil Oy CA11934_EMILY-W_(LH351Z) Efficiency=85%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



Luminaire: Ledil CA11934_EMILY-W_(Z8Y22P)
Lamps: 1 x Seoul_Z8Y22P_(W6E2G)_129.545lm@250mA_P=0.711175W_I=0.25A



Luminaire: LEDiL Oy CA11934_EMILY-W_(XP-G2) Eff.84%
Lamps: 1 x Cree XP-G2 (98lm@250mA)

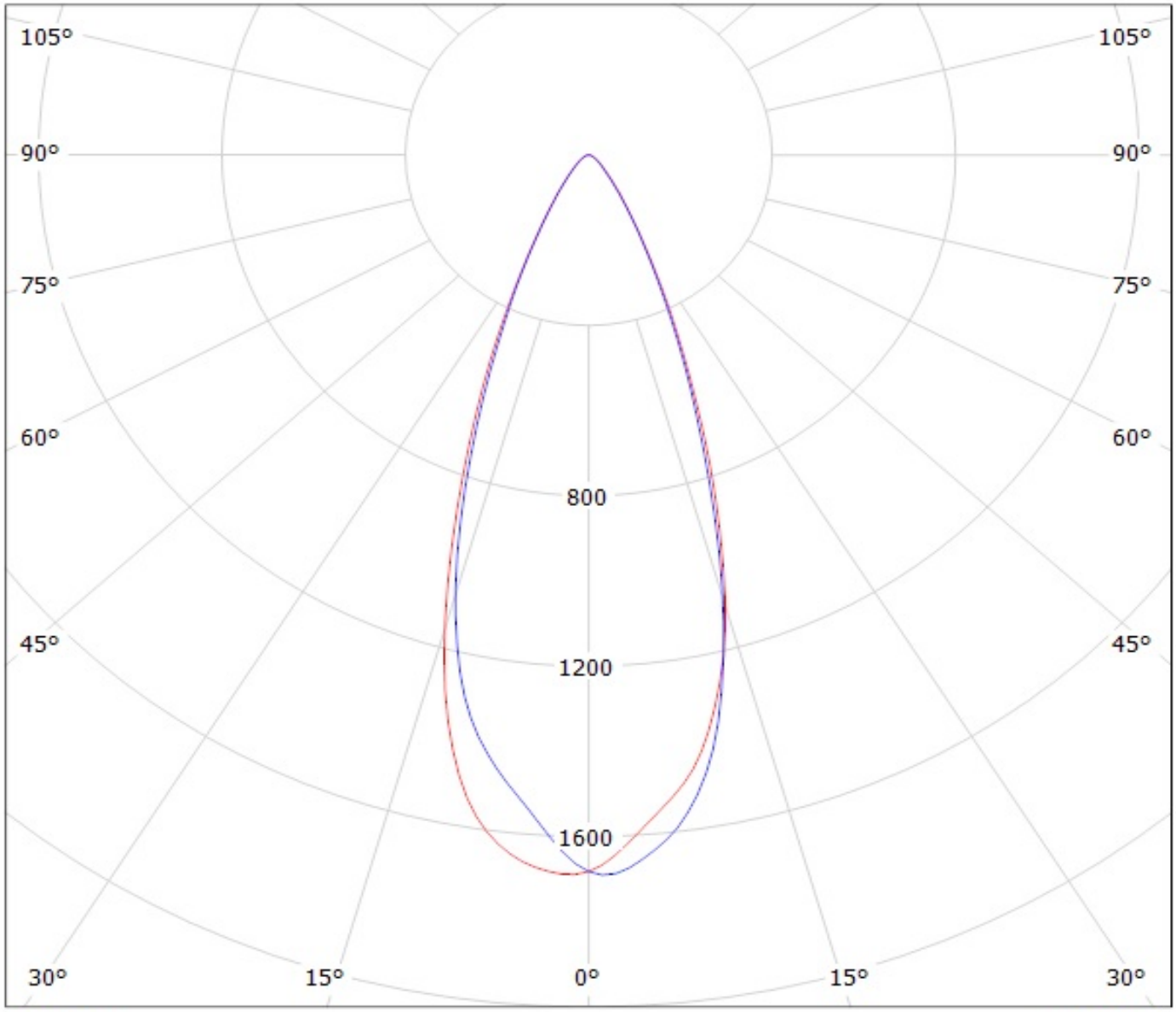


cd/klm

η = 85%

C0 - C180 C90 - C270

Luminaire: LEDil Oy CA11934_EMILY-W_(XP-E2)
Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 78.62lm @ 250mA P=0.8W I=250mA

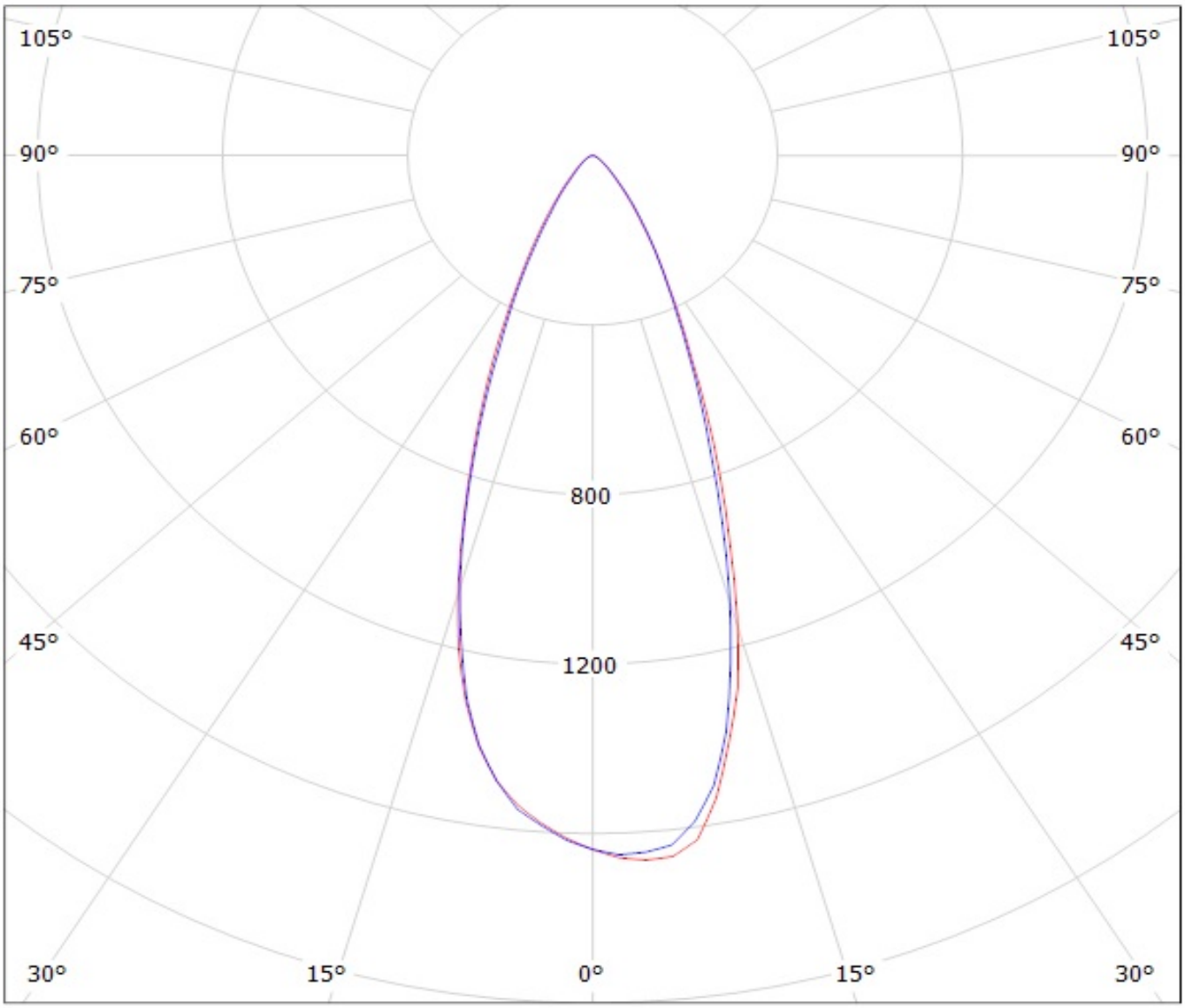


cd/klm

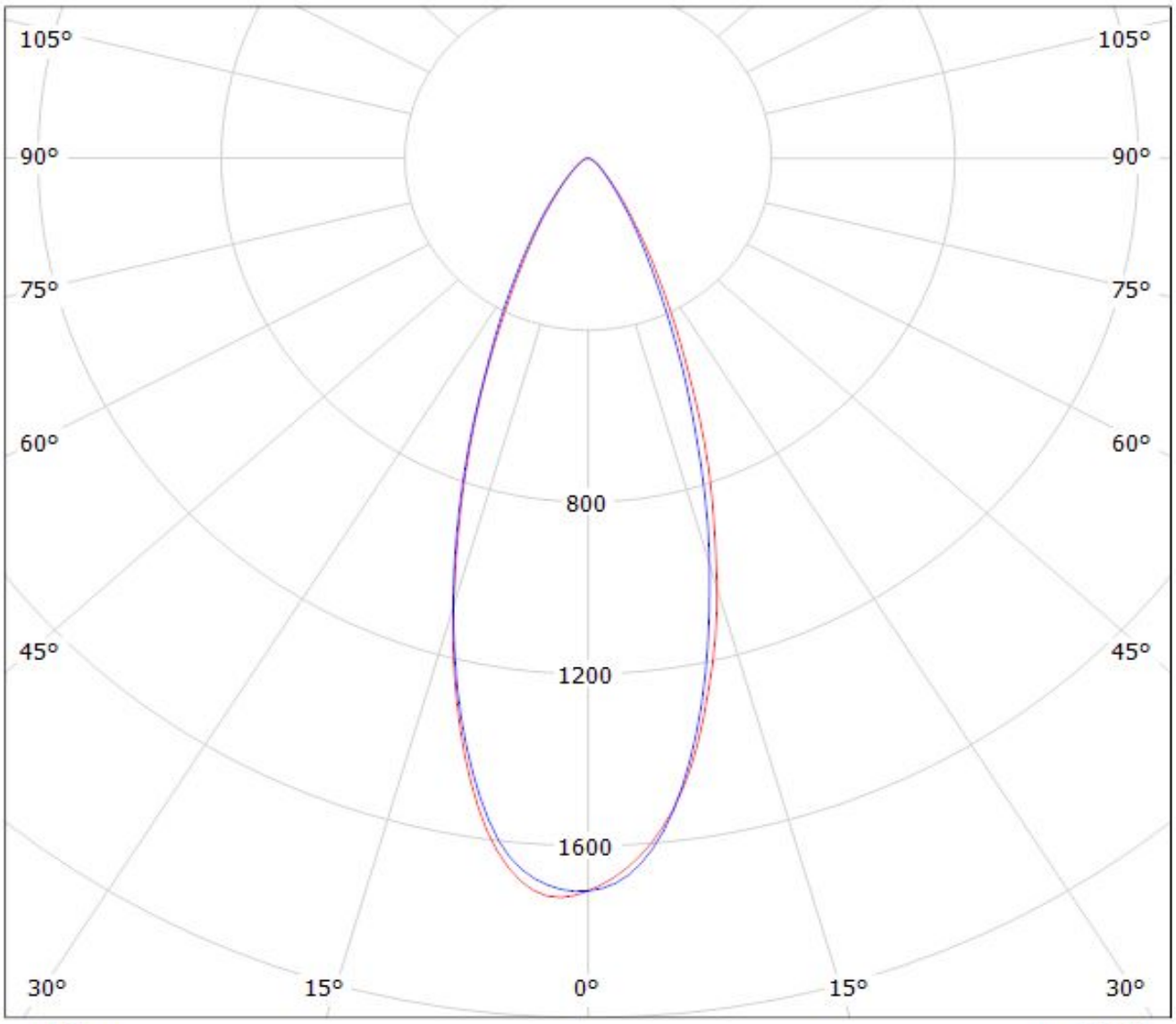
η = 84%

C0 - C180 C90 - C270

Luminaire: LEDil Oy CA11934_EMILY-W_(XM-L2) Efficiency=86%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 91lm @ 250mA CCT=3200K P=0.7W I=250mA



Luminaire: Ledil Oy CA11934_EMILY-W_(XP-L) Efficiency= 87%
Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA

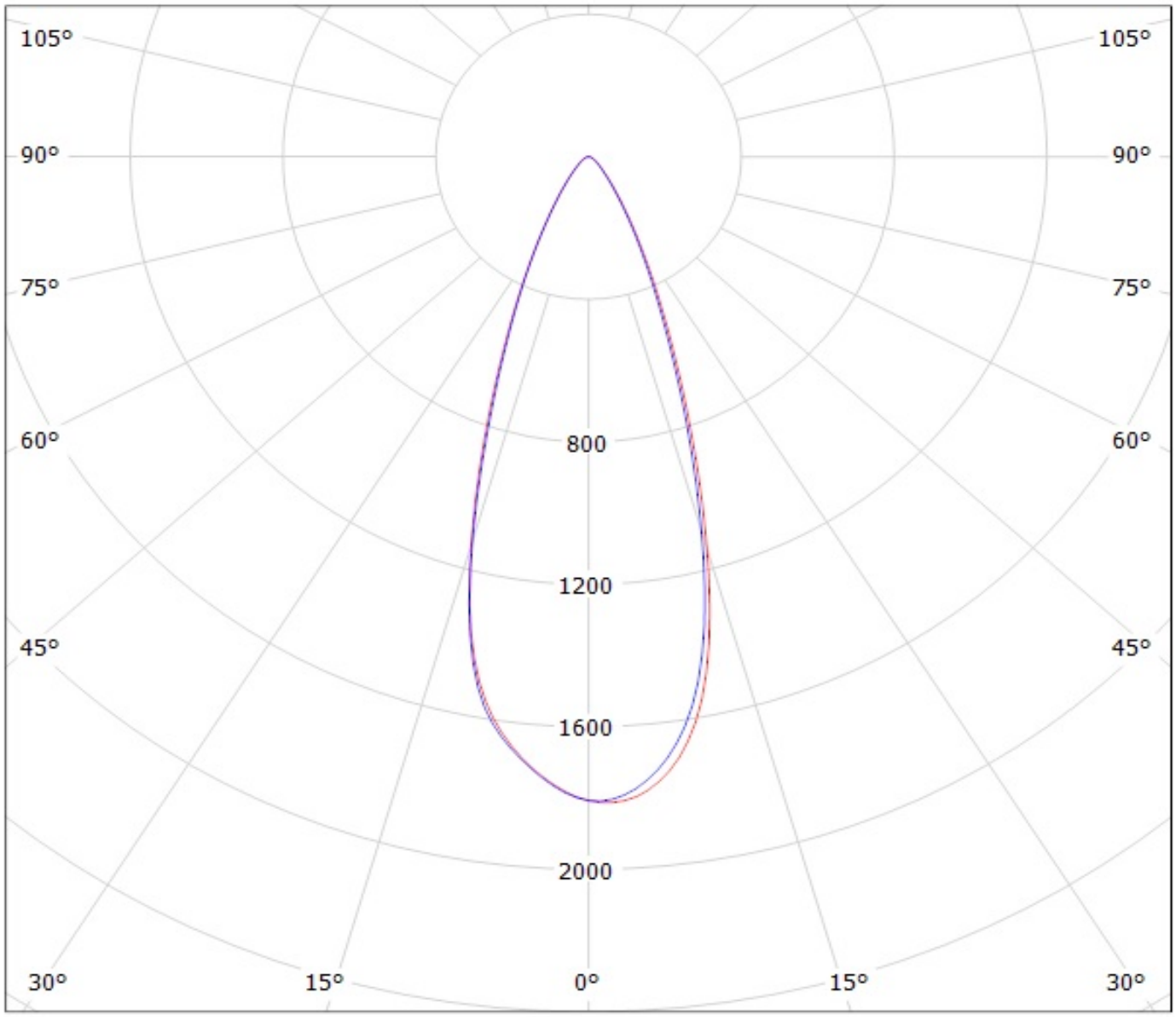


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CA11934_EMILY-W_(XP-L_HI)
Lamps: 1 x Cree_XP-L_HI_114.406lm@250mA_P=0.745352W_I=0.2499A

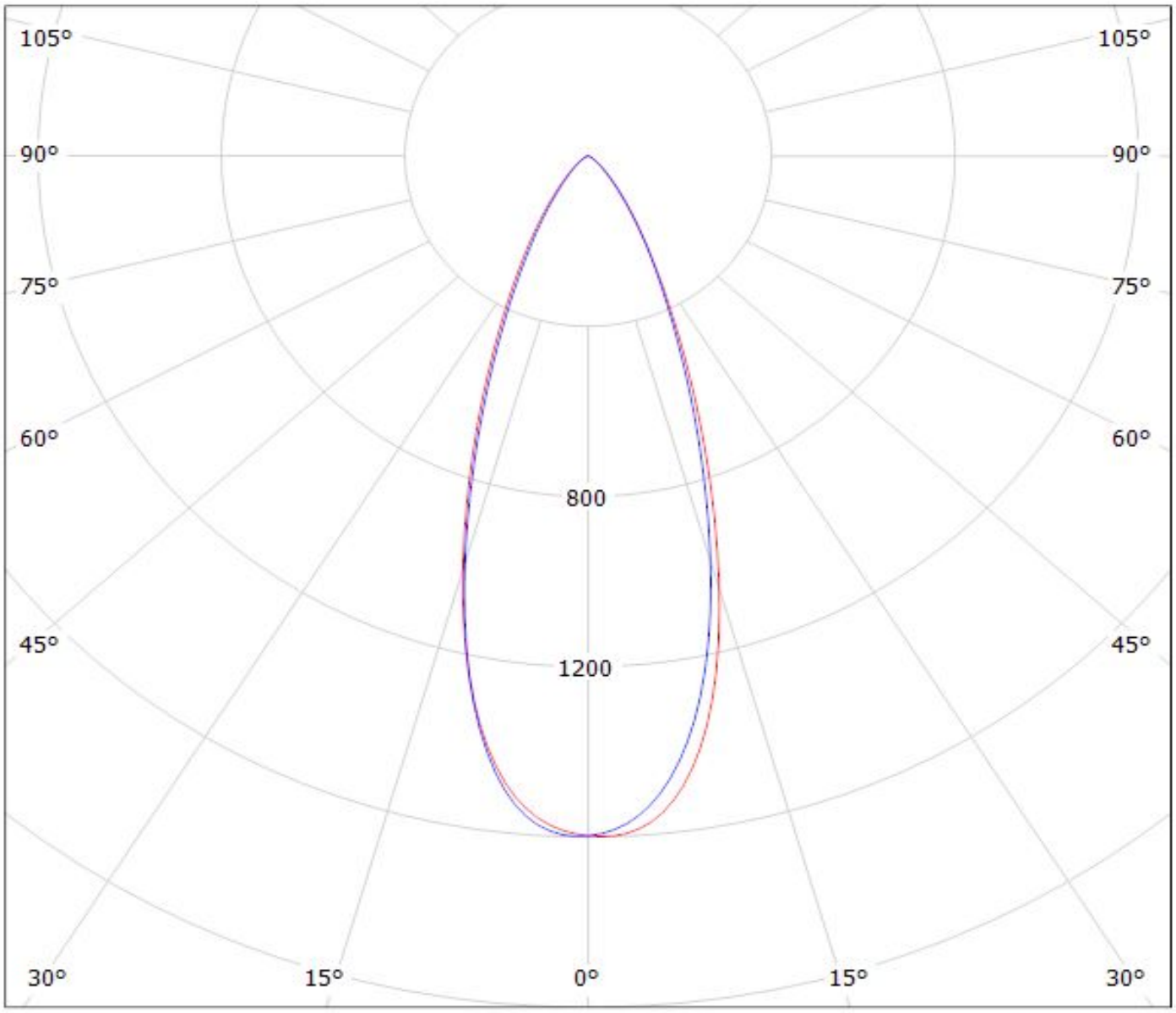


cd/klm

η = 86%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy
Lamps: 1 x CA11934_EMILY-W_(XHP35)

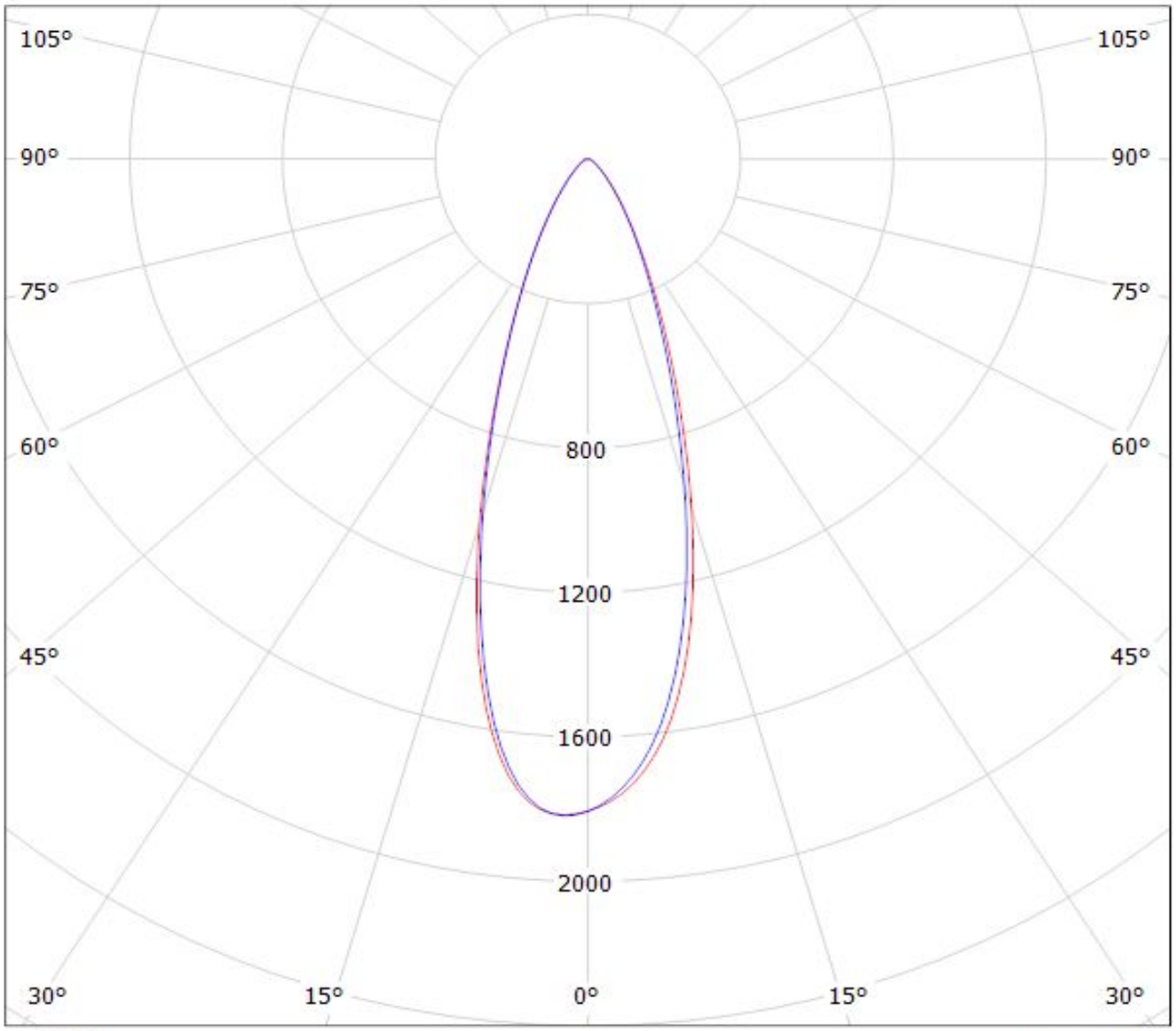


cd/klm

η = 83%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CA11934_EMILY-W_(NS9x383) Eff.84,3%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)

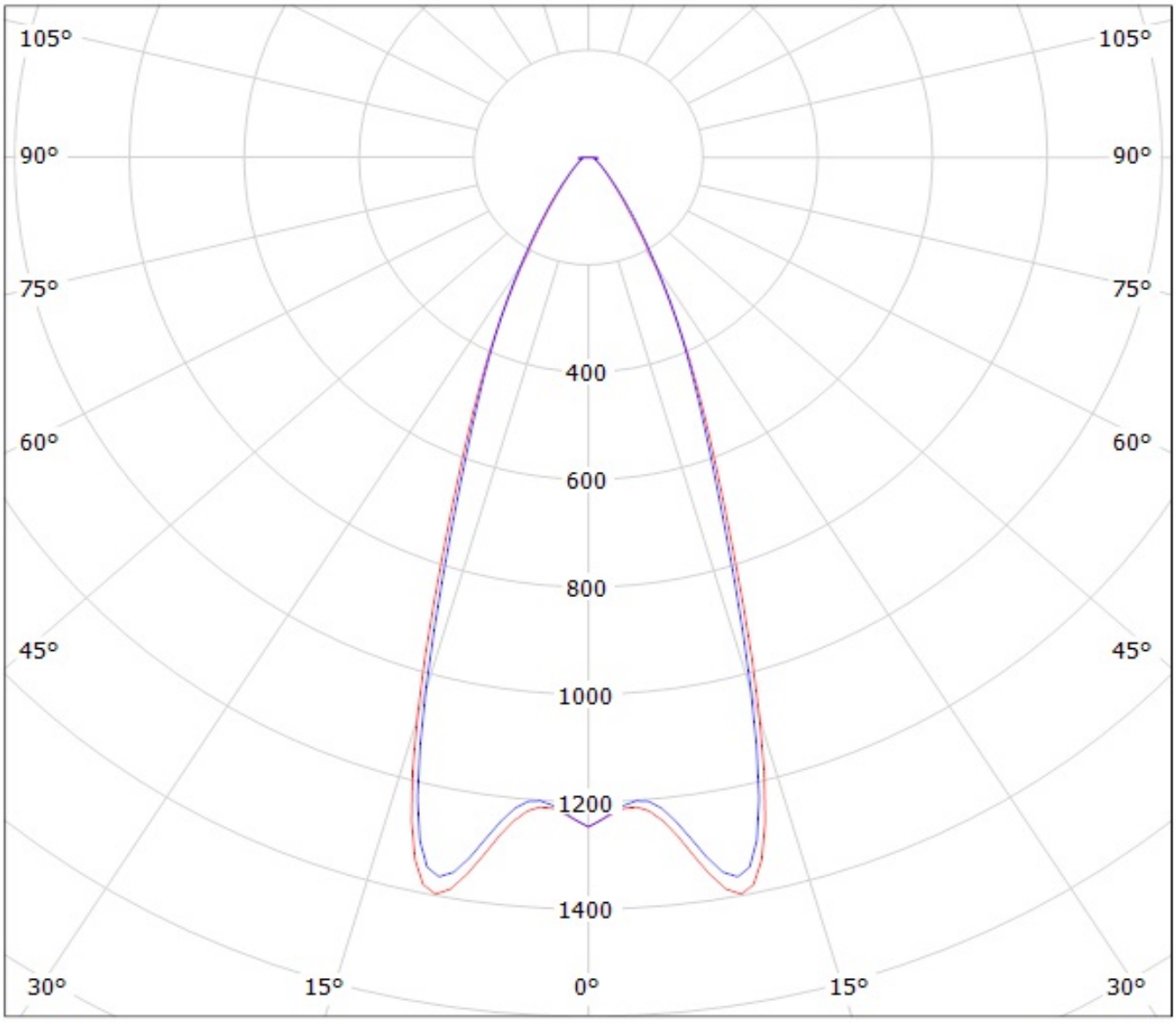


cd/klm

η = 84%

C0 - C180 C90 - C270

Luminaire: LEDIL OY CA11934_EMILY-W (Osram Oslon SSL 80°) Efficiency=86%
Lamps: 1 x Osram Oslon SSL 80° (85lm@250mA)

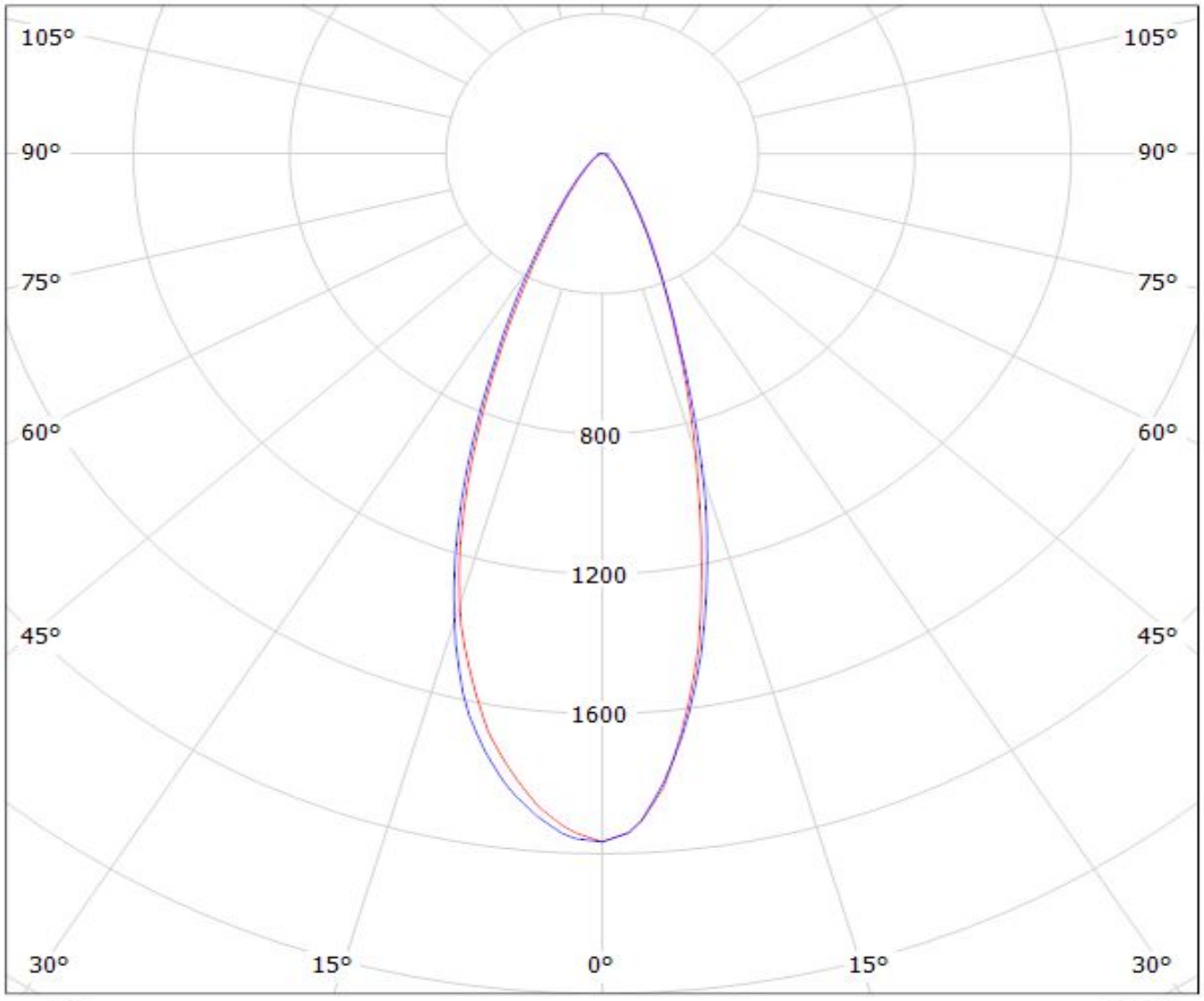


cd/klm

η = 81%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CA11389-EMILY-O (Osram Square EC 62lm @ 250mA) Efficiency=87%
Lamps: 1 x Osram Square EC 62lm @ 250mA

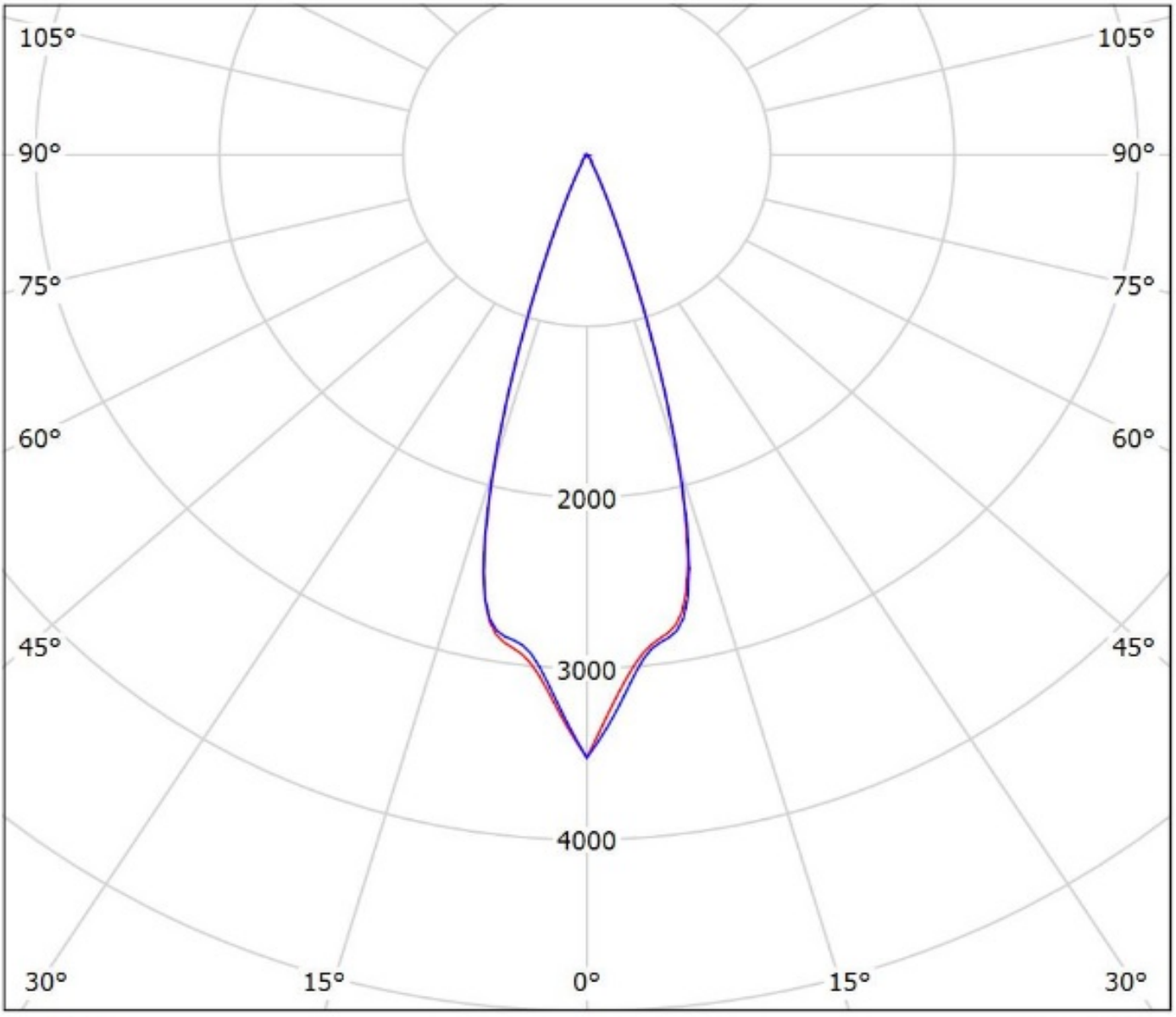


cd/klm

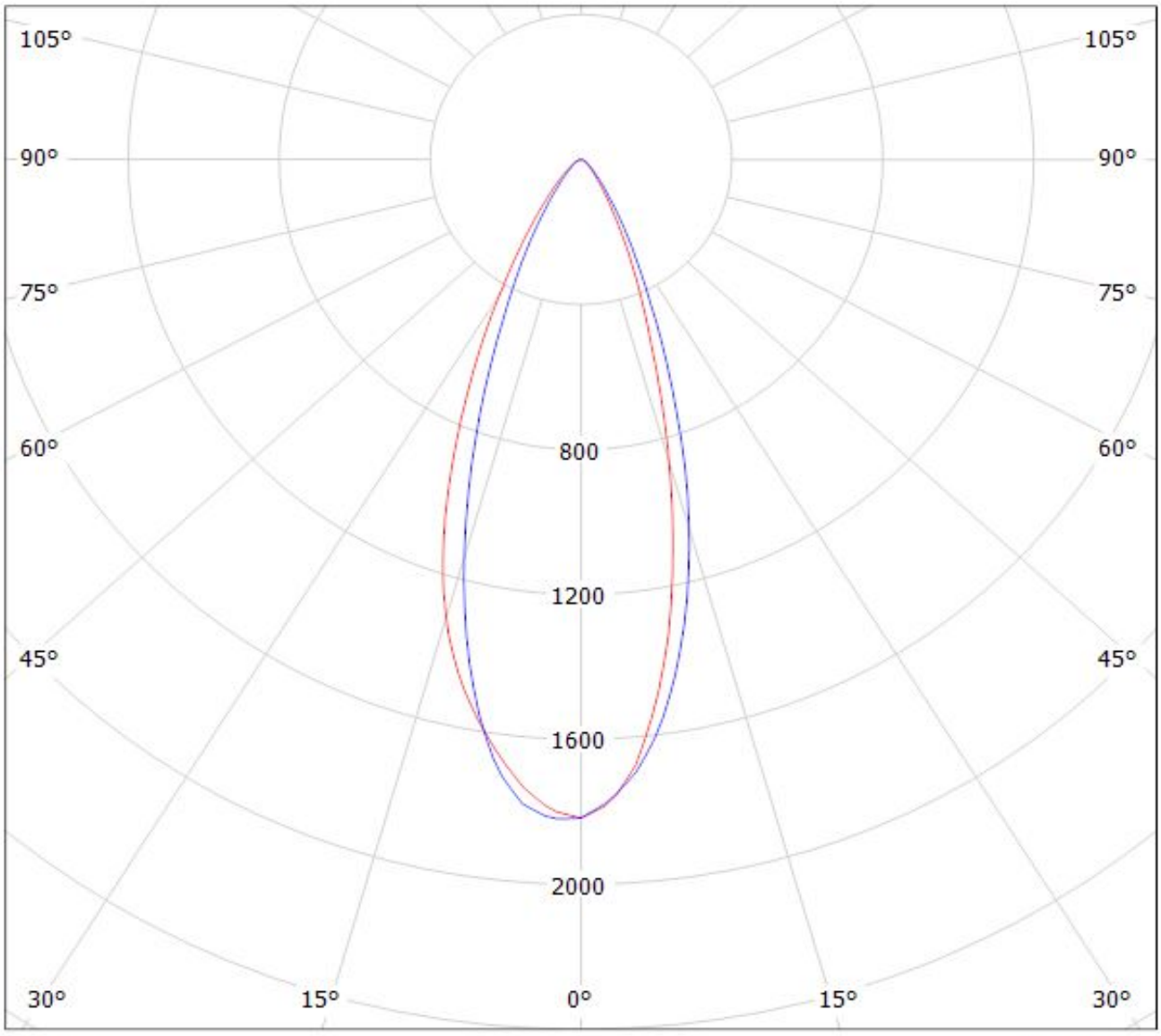
η = 90%

C0 - C180 C90 - C270

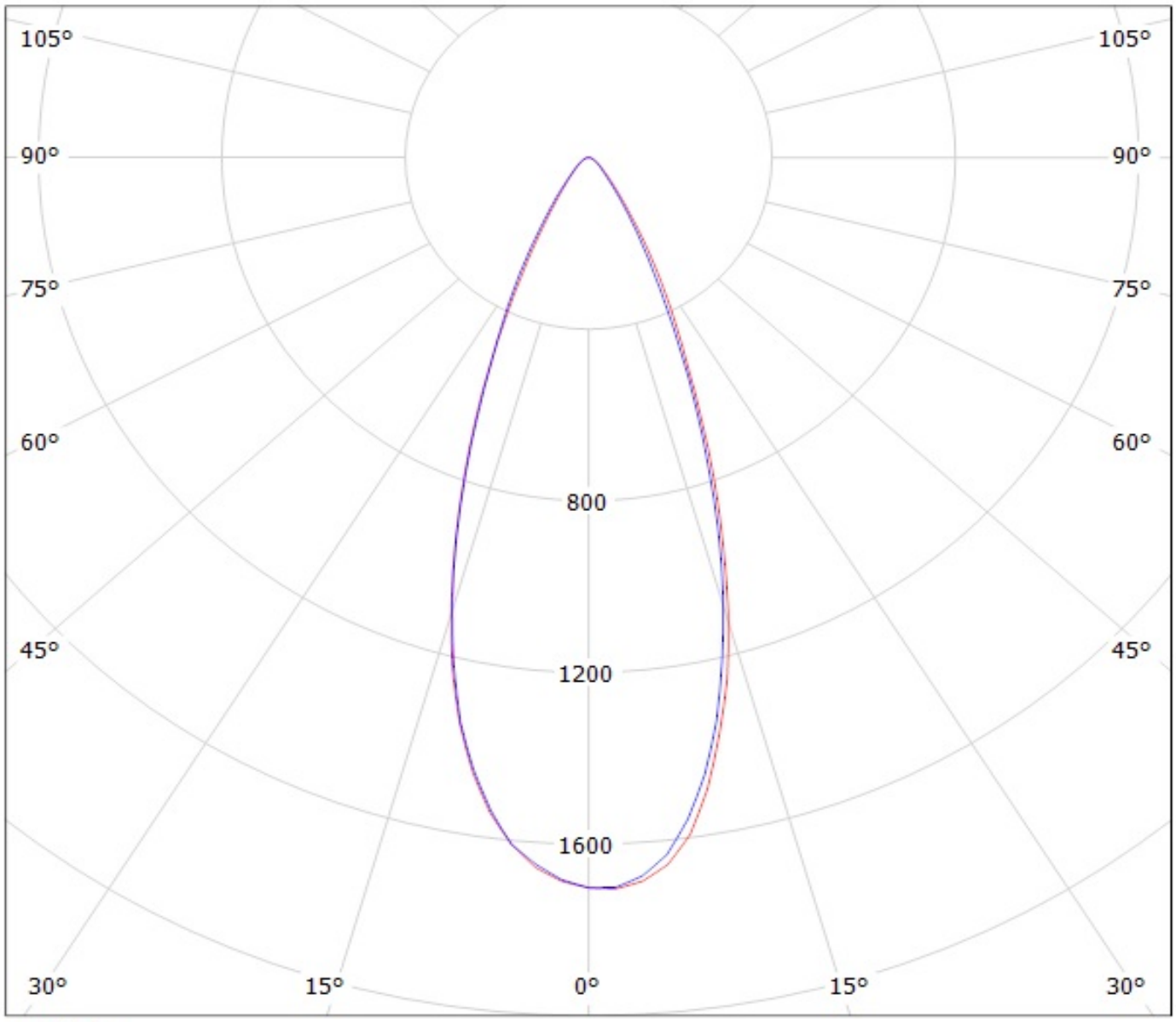
Luminaire: Ledil Oy CA11934_EMILY-W_(Oslon_Black_Flat)_SIMULATED
Lamps: 1 x Osram Oslon Black Flat (LUV HWQP)



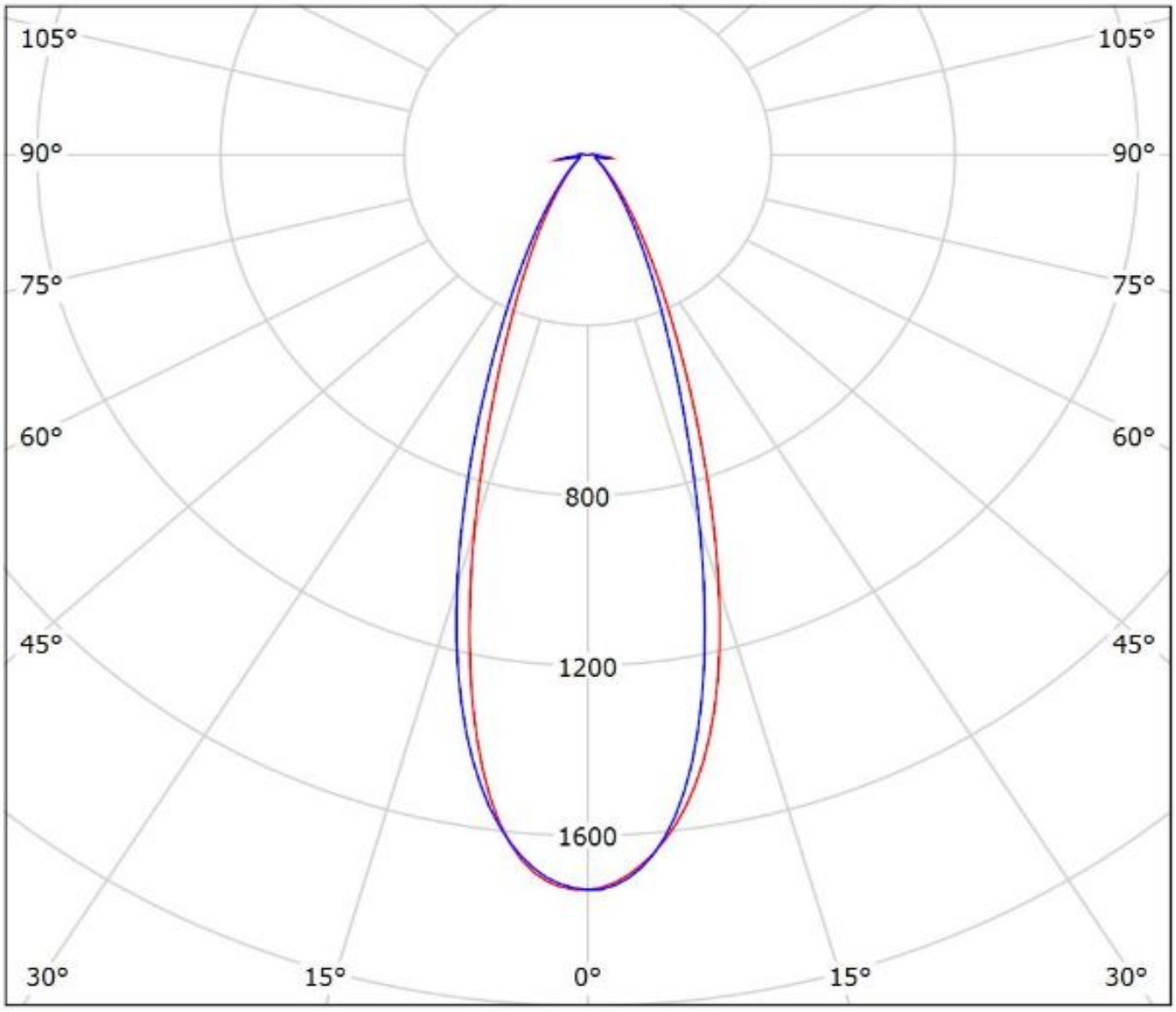
Luminaire: Ledil Oy CA11934_EMILY-W_(LH351B) Efficiency=88%
Lamps: 1 x Samsung LH351B 106lm @ 250mA CCT= P=0.72W I=250mA



Luminaire: Ledil Oy CA11934_EMILY-W_(LH351Z) Efficiency=85%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



Luminaire: Ledil CA11934_EMILY-W_(Z8Y22P)
Lamps: 1 x Seoul_Z8Y22P_(W6E2G)_129.545lm@250mA_P=0.711175W_I=0.25A



cd/klm

η = 89%

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.