PRODUCT DATASHEET
Laura series
last update 22/4/2016

DETAILS

Product Number	CA13633_G2-LAURA-WW-P
Family	Laura
Type	Assembly
Color	white
Diameter	21,6 x 21,6 mm
Height	13,1 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	tape, pin
Status	production ready
ROHS Comliant	Yes
Date Updated	22/04/2016

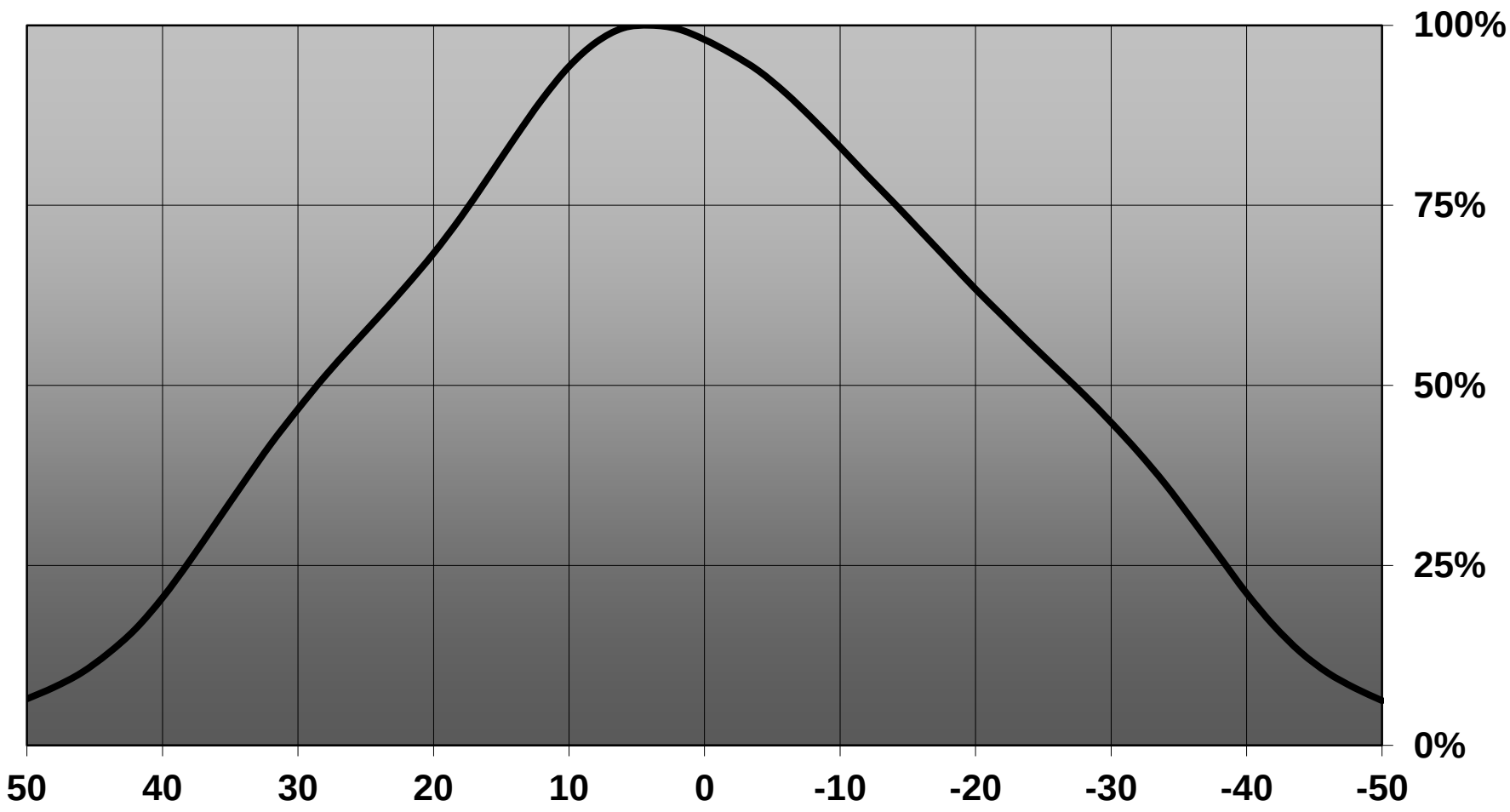
OPTICAL PROPERTIES

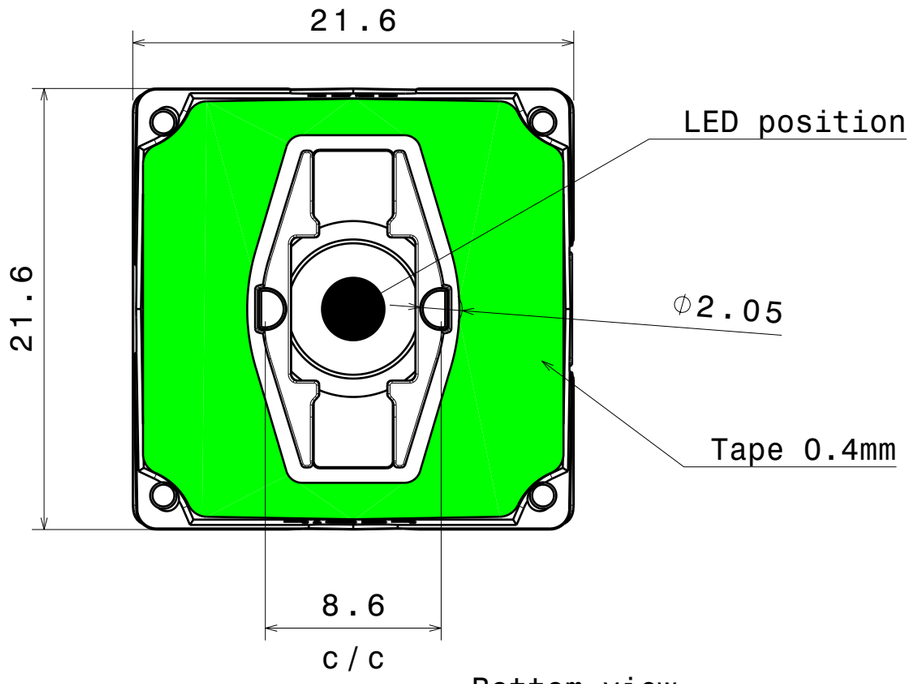
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XP-E	66 deg	Very Wide	86 %	0.700	-
XB-D	44 deg	Very Wide	84 %	1.200	-
XP-E2	63 deg	Very Wide	87 %	0.880	-
XP-G2	64 deg	Very Wide	87 %	0.840	-
XT-E	58 deg	Very Wide	86 %	0.920	-
XHP35 HI	sim: 74	Very Wide	sim: 94 %	sim: 0.730	-
LUXEON TX	56 deg	Very Wide	86 %	1.010	-
LUXEON 3030 2D	36 deg	Very Wide	88 %	1.500	-
NCSxx19A	43 deg	Very Wide	86 %	1.200	-
NVSxx19A	44 deg	Very Wide	85 %	1.100	-
NVSxx19B/NVSxx19C	62 deg	Very Wide	86 %	0.830	-
Oslon Square EC	60 deg	Very Wide	86 %	0.890	-
SFH 4770S	sim: 32	Very Wide	sim: 92 %	sim: 1.810	-
Z5M1/Z5M2	58 deg	Very Wide	86 %	0.930	-
Z8Y22P	sim: 42	Very Wide	sim: 97 %	sim: 1.370	-

Ledil Oy
Salorankatu 10
24240 SALO, Finland

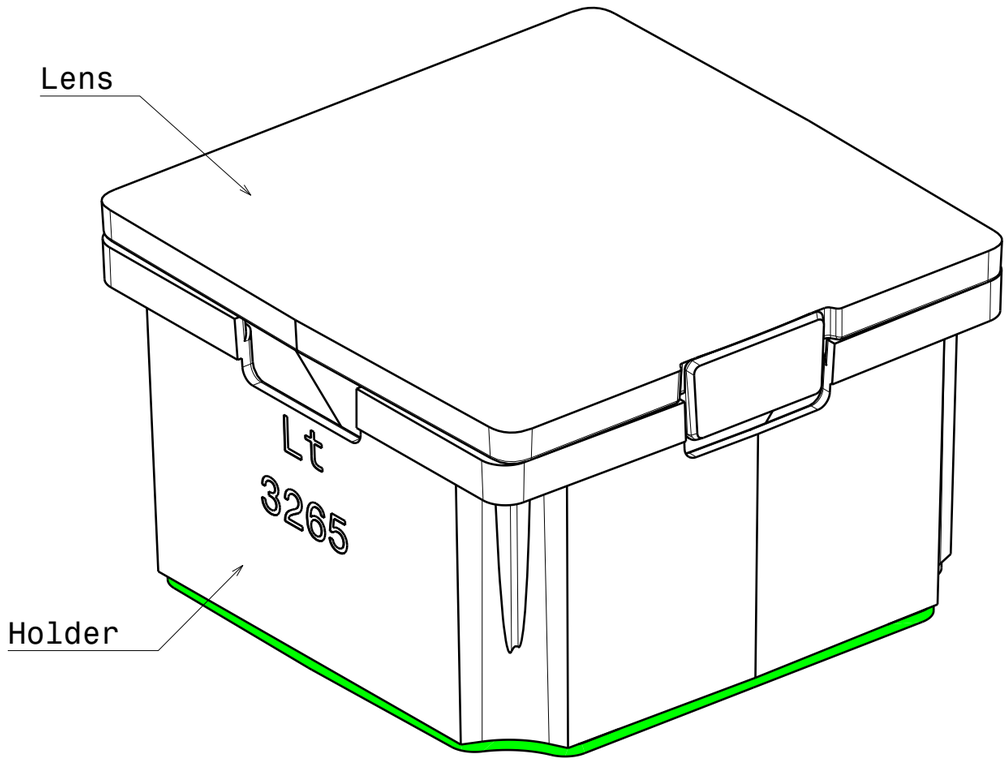
http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001

Relative intensity of CA13633_G2-LAURA-WW-P_Luxeon_TX

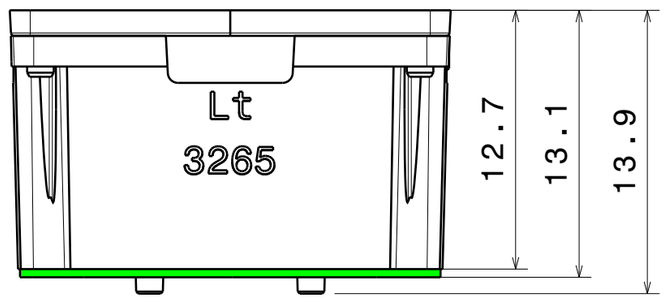




Bottom view



Isometric view
Scale: 5:1



Front view

INDEX	PART NO	MATERIAL	COLOUR
1	-	PU foam	black
2	C13265	PC	white
3	C11765	PMMA	clear

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures: class M
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

LEDiL
Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

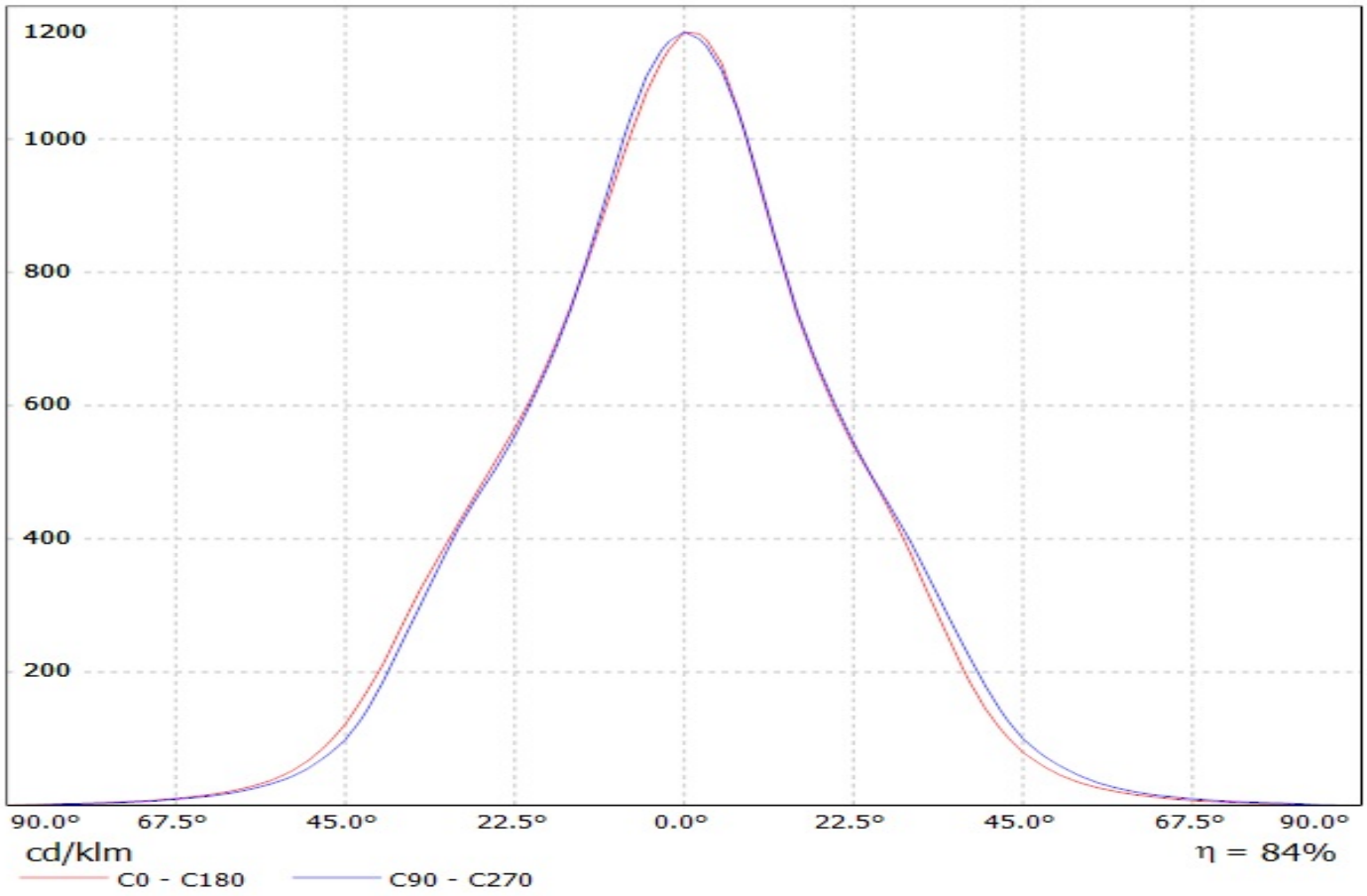
DRAWING TITLE
CA13633_G2-LAURA-WW-P

SIZE A3

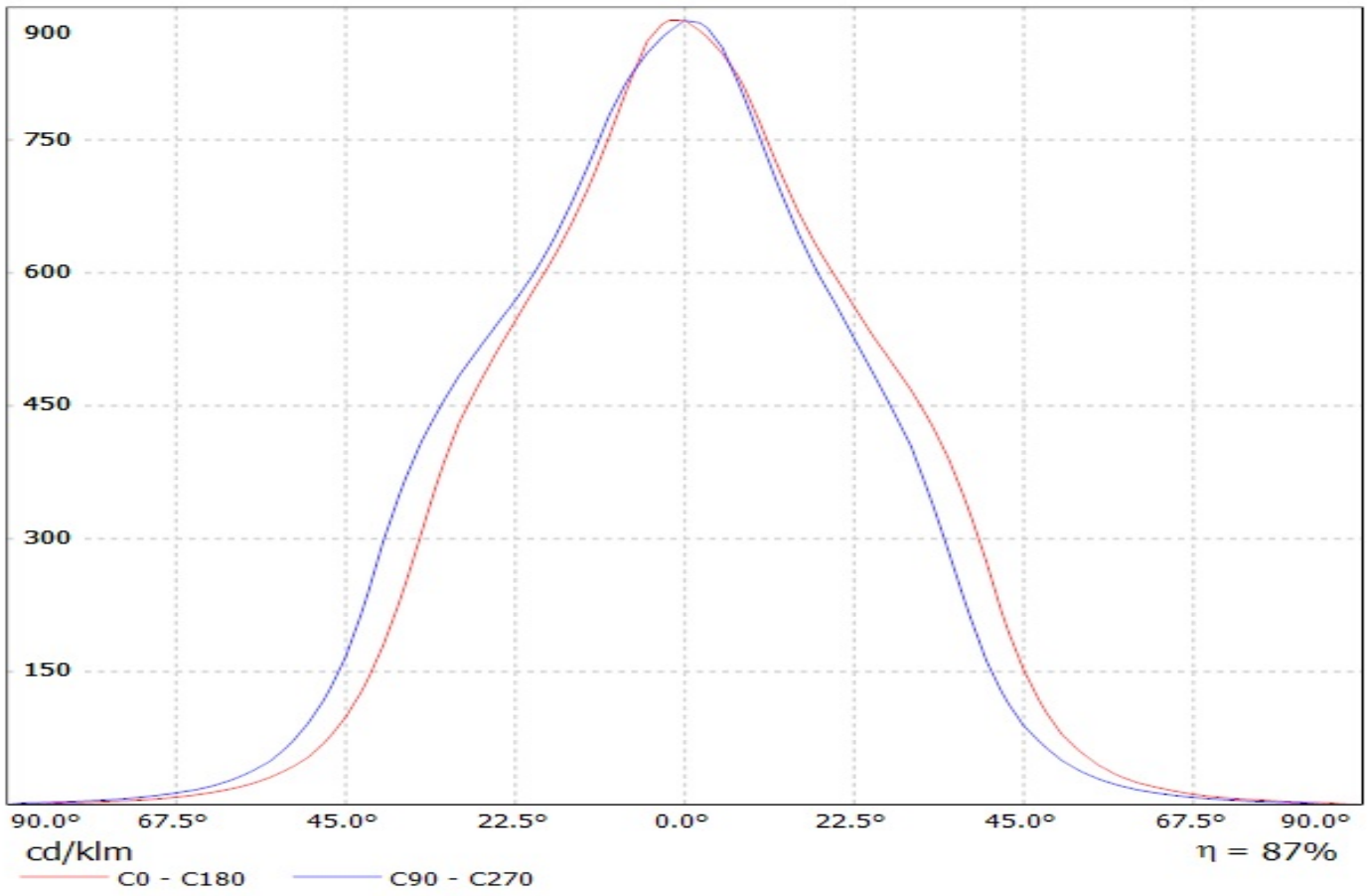
PART NUMBER
CA13633

SCALE 10:3 | WEIGHT - | SHEET 1/1

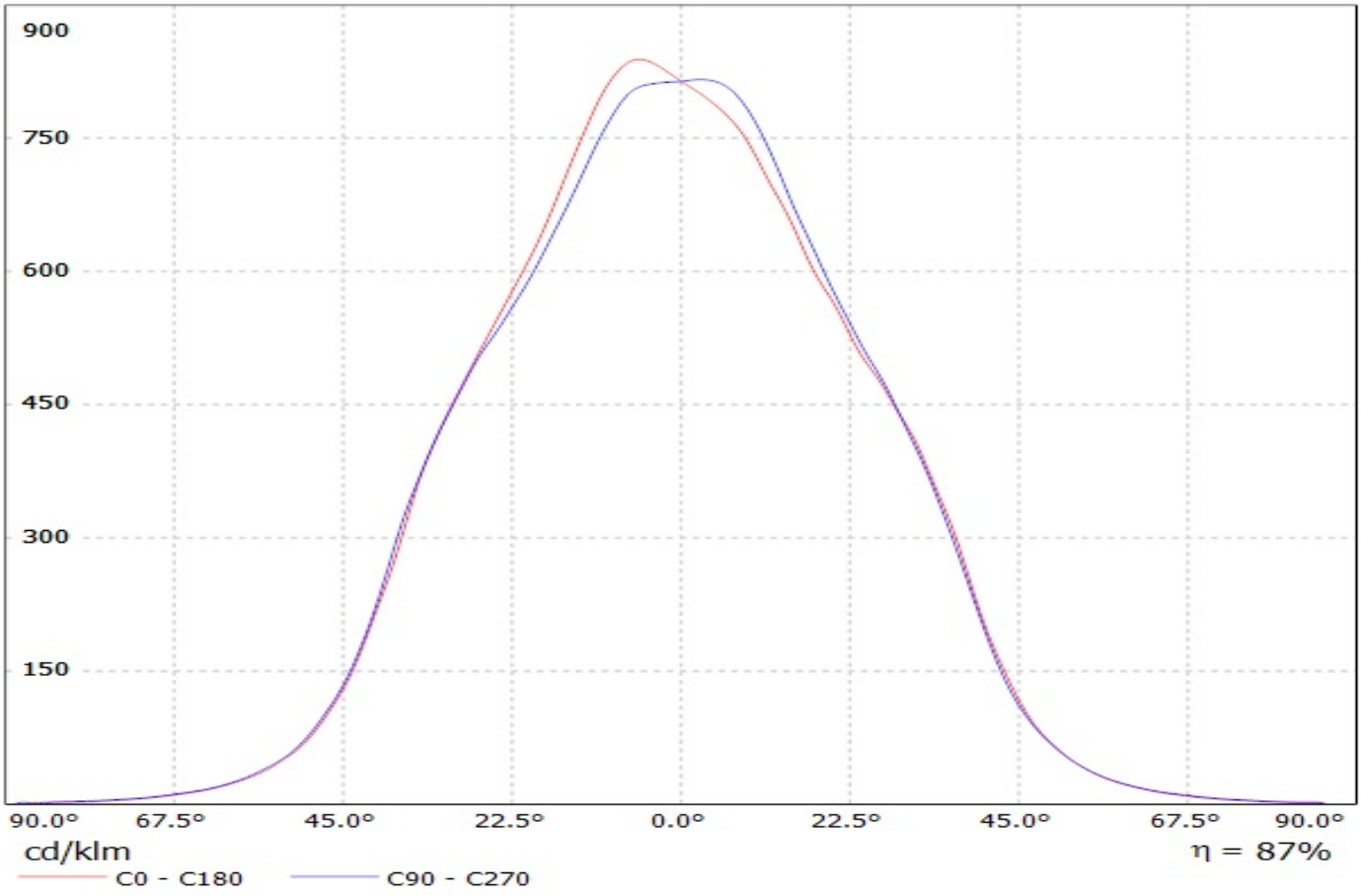
Luminaire: LEDil Oy CA13633_G2-LAURA-WW-P_(XB-D)
Lamps: 1 x Cree XB-D (97.2lm @ 250mA) P=0.8W I=250mA



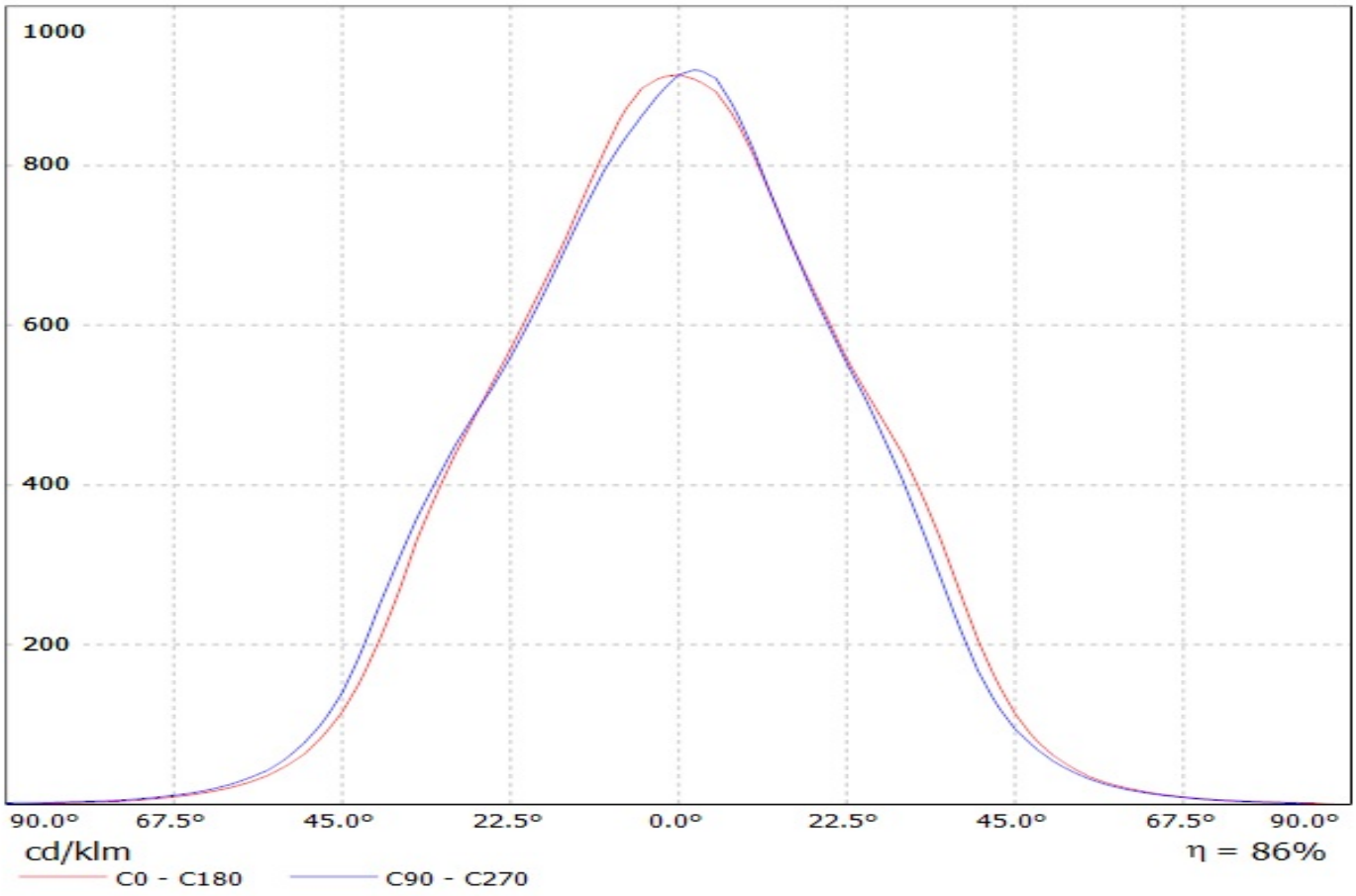
Luminaire: LEDil Oy CA13633_G2-LAURA-WW-P_(XP-E2)
Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 79.02lm @ 250mA P=0.8W I=250mA



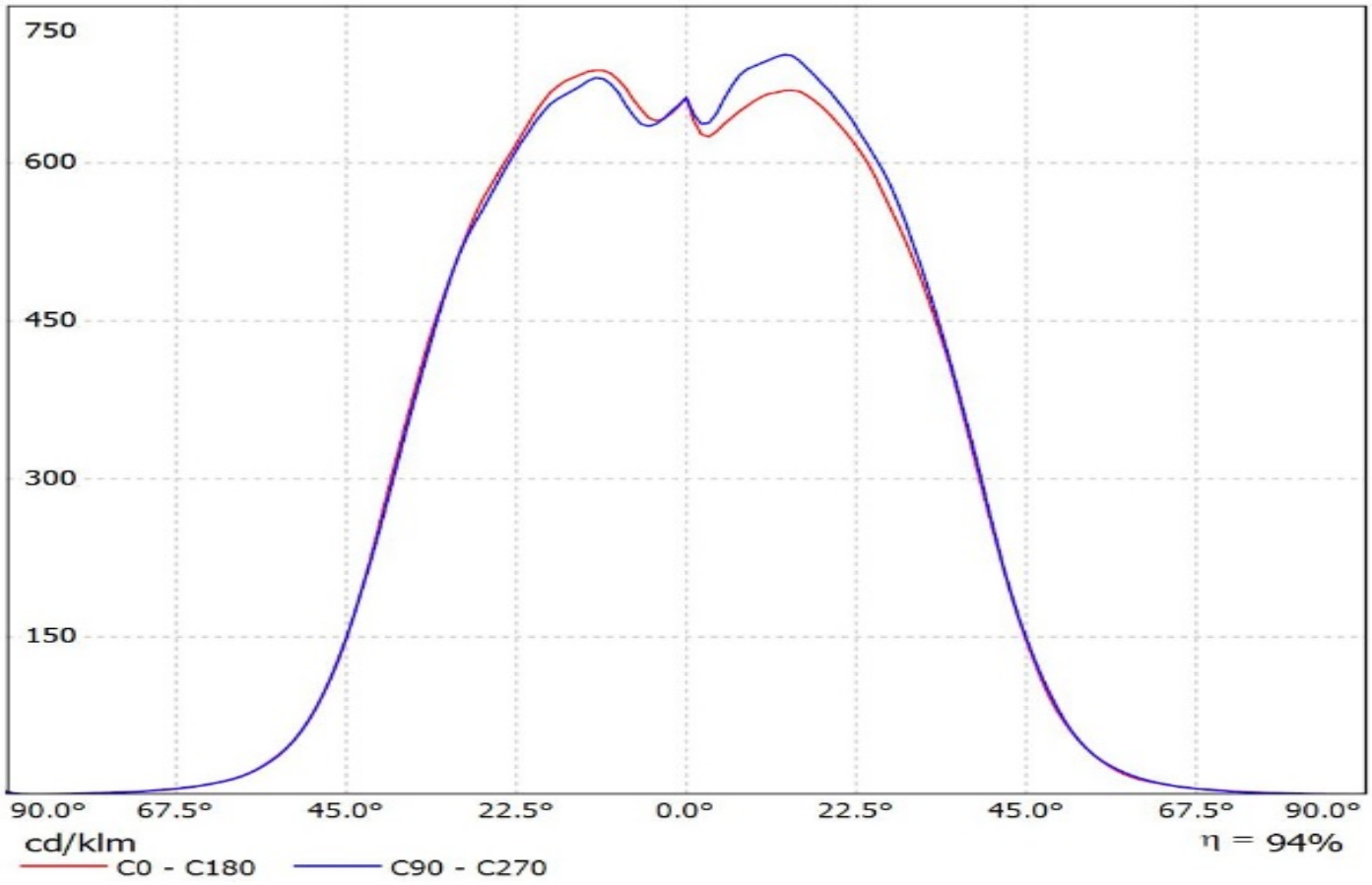
Luminaire: LEDil Oy CA13633_G2-LAURA-WW-P_(XP-G2)
Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 99.2lm @ 250mA CCT=4934K P=0.7W I=250mA



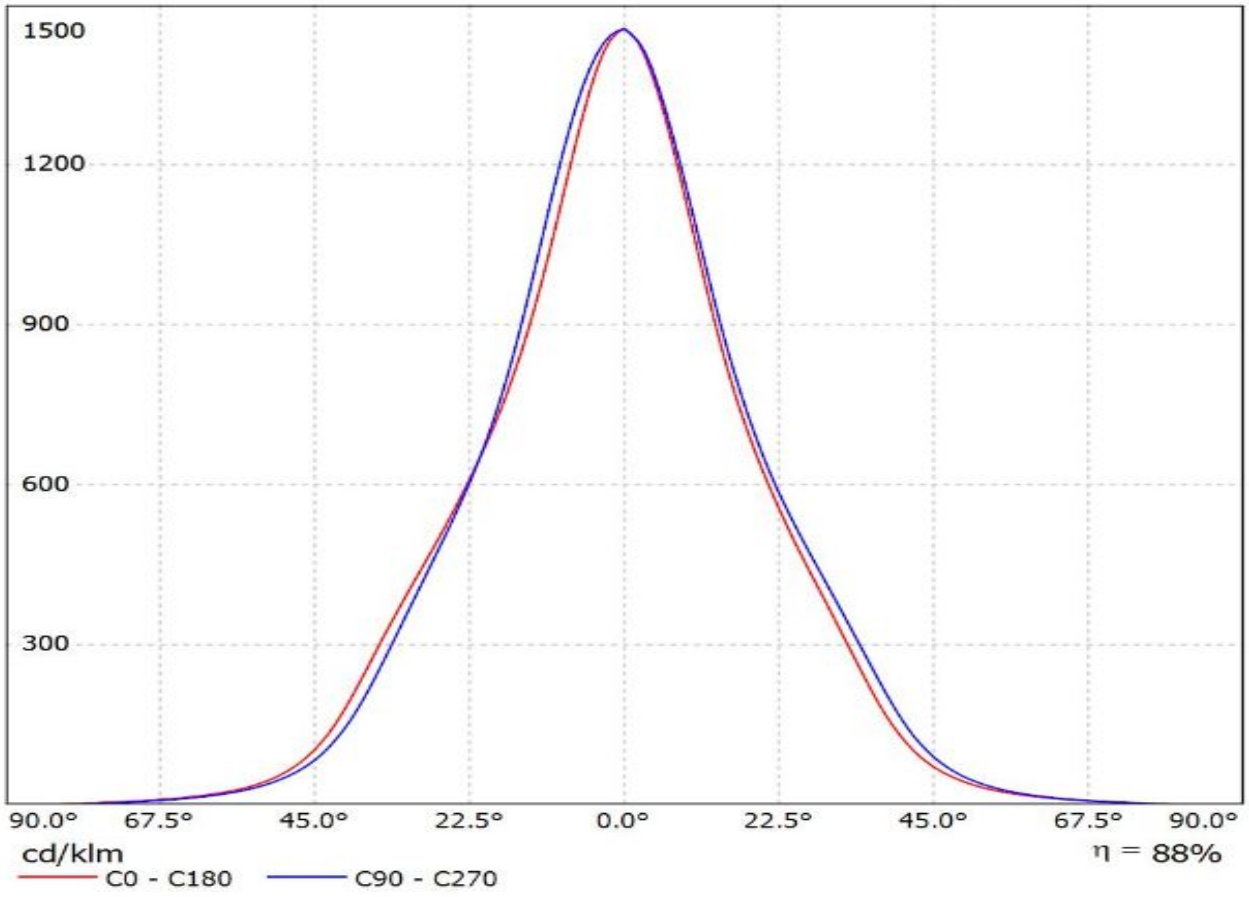
Luminaire: LEDil Oy CA13633_G2-LAURA-WW-P_(XT-E)
Lamps: 1 x Cree XT-E (XTEAWT-00-0000-00000HBE8) 73.22lm @ 250mA CCT=2800K P=0.8W I=250mA



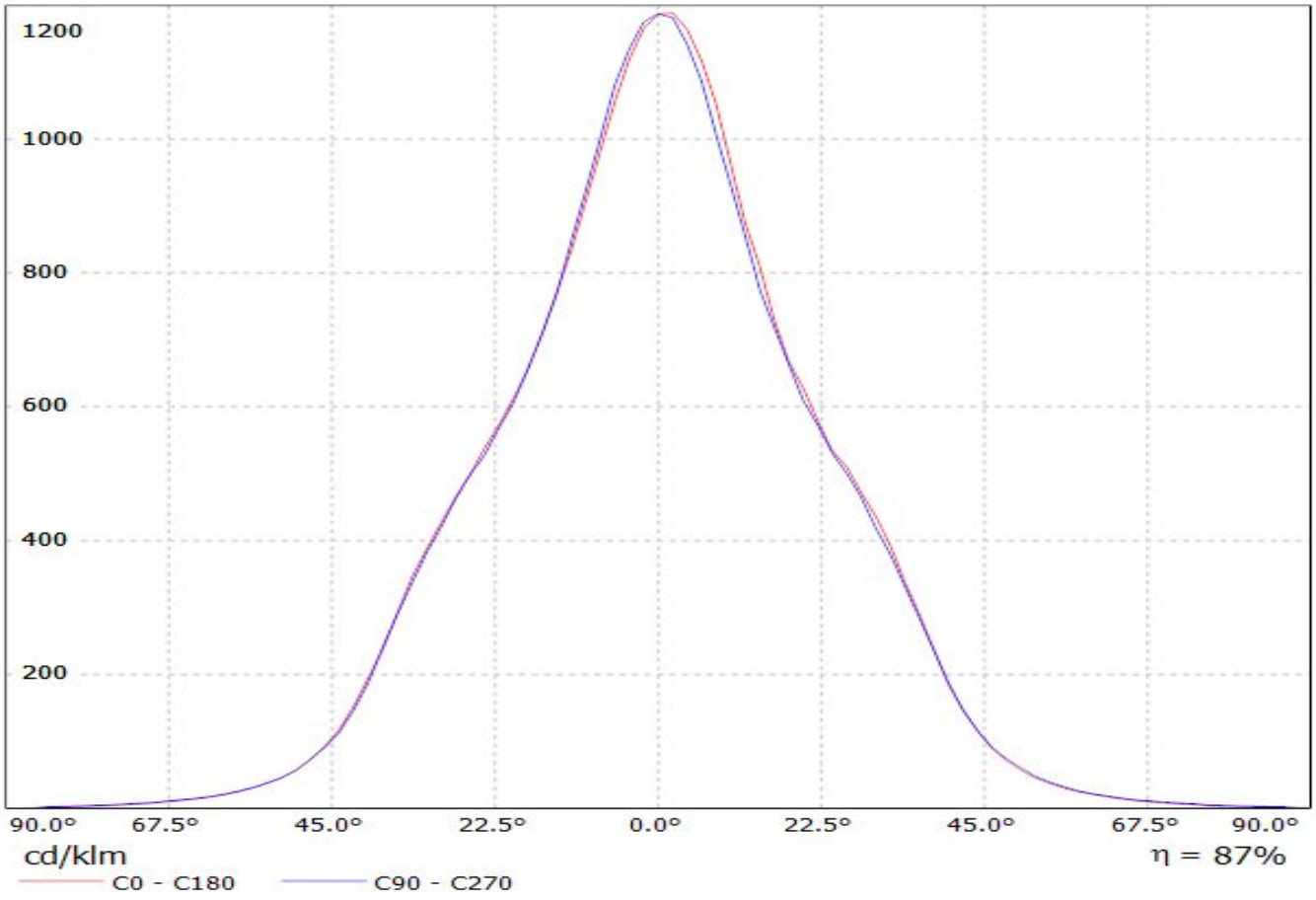
Luminaire: Ledil Oy CA13633_G2-LAURA-WW-P_(XHP35_HI)_SIMULATED
Lamps: 1 x Cree XHP35 HI



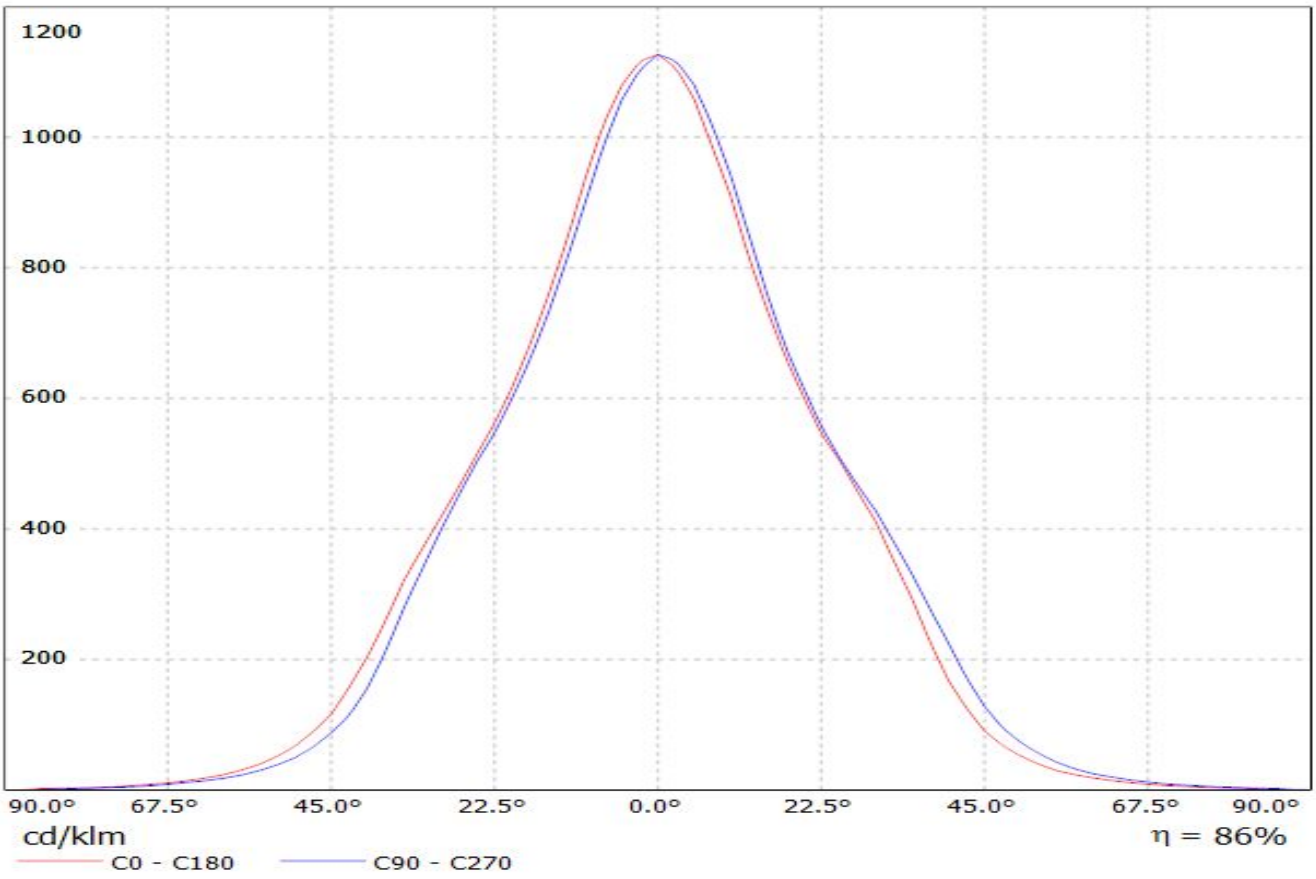
Luminaire: Ledil CA13633_G2-LAURA-WW-P_(LUXEON_3030_2D)
Lamps: 1 x LUXEON_3030_2D_(L130-5080)_73.2834lm@100mA_CCT=5000K_P=0.595784W_I=0.1A



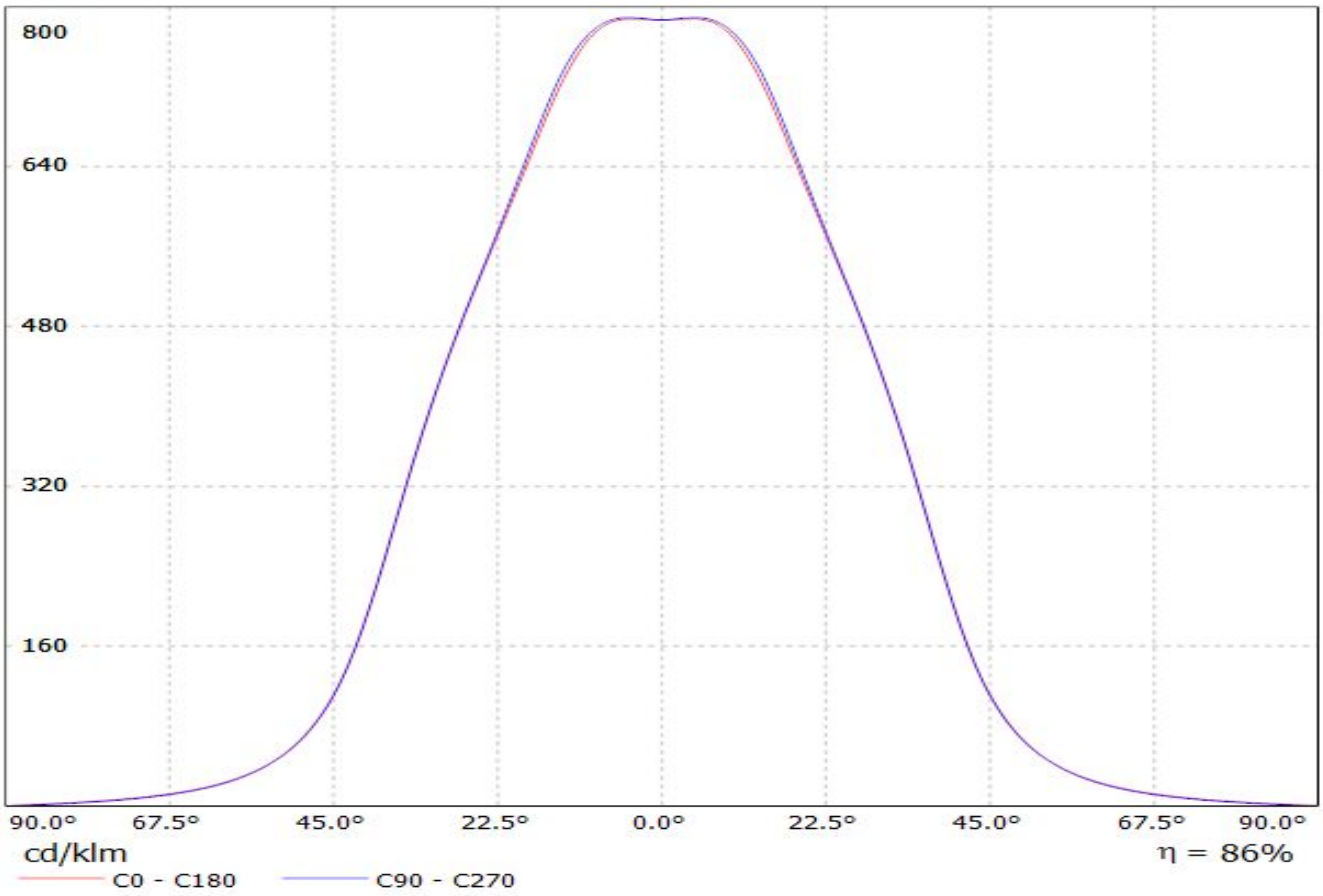
Luminaire: LEDiL CA13633_G2-LAURA-WW-P_(NCS19)
Lamps: 1 x Nichia NCSxx19A 67lm @ 250mA CCT= P=0.77W I=250mA



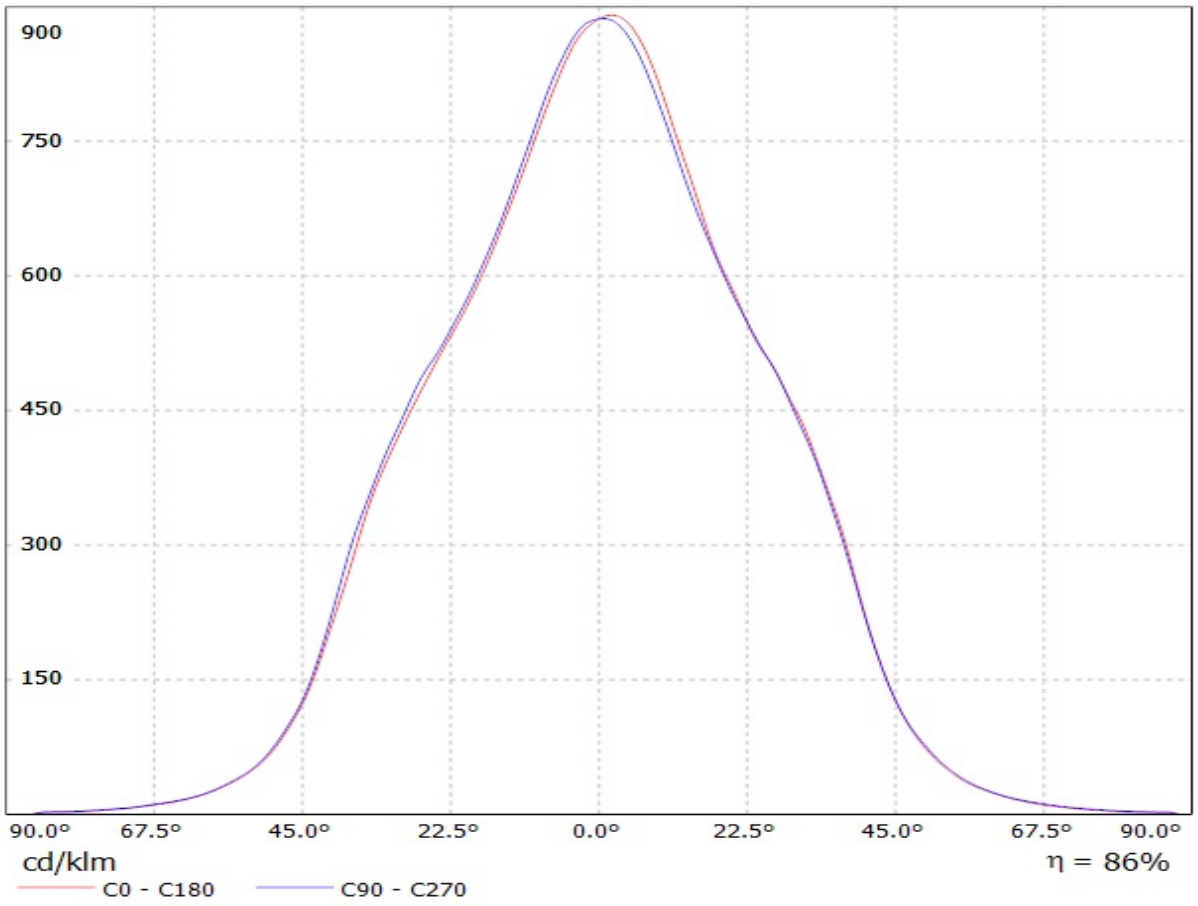
Luminaire: Ledil Oy CA13633_G2-LAURA-WW-P_(NVS19)
Lamps: 1 x Nichia NVSxx19A 93lm @ 250mA CCT= P=0.75W I=250mA



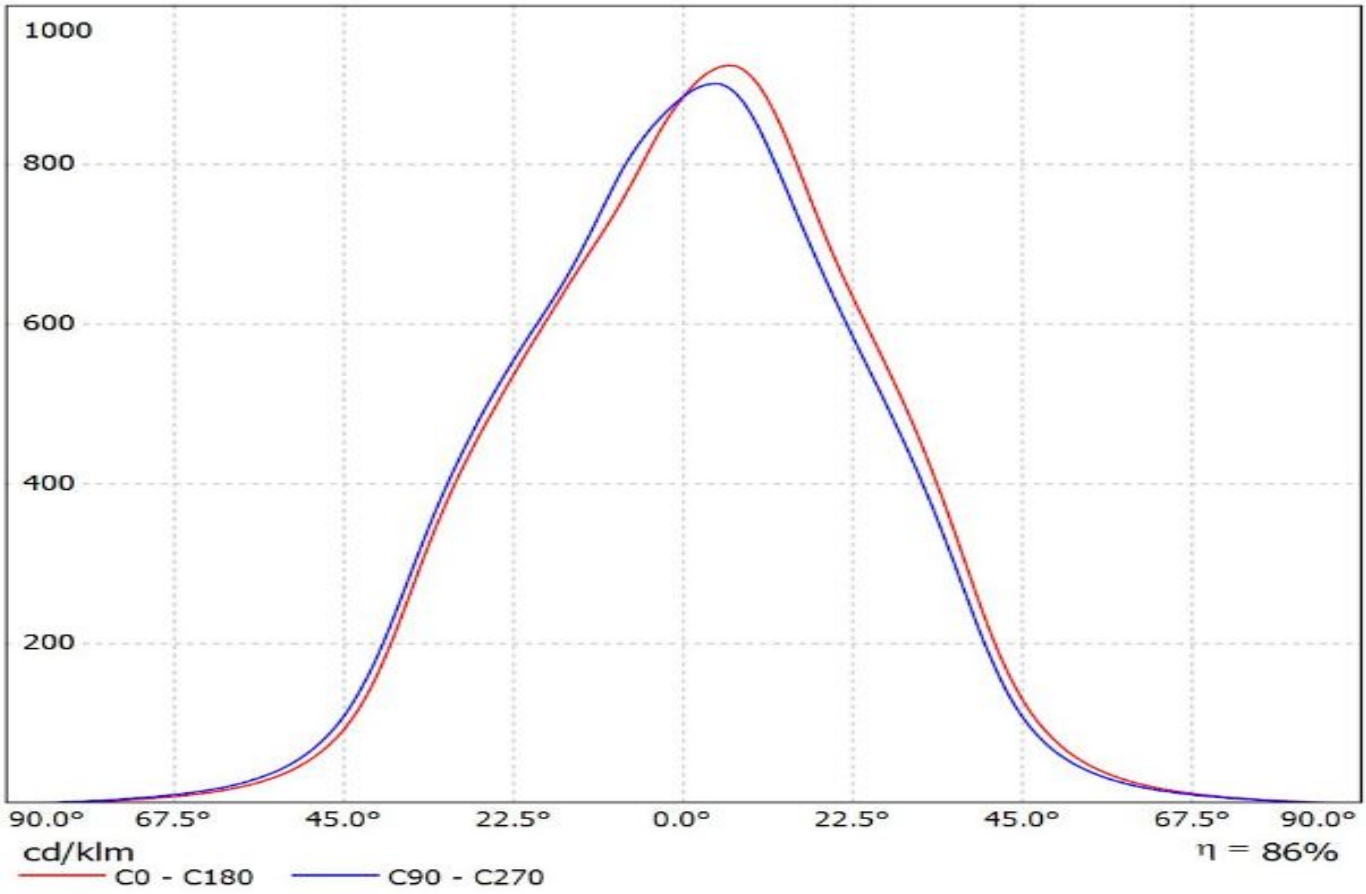
Luminaire: LEDiL Oy CA13633_G2-LAURA-WW-P_(NVSL219CE)
Lamps: 2 x Nichia_NVSL219CE_101.052lm@250mA_P=0.713154W_I=0.25A



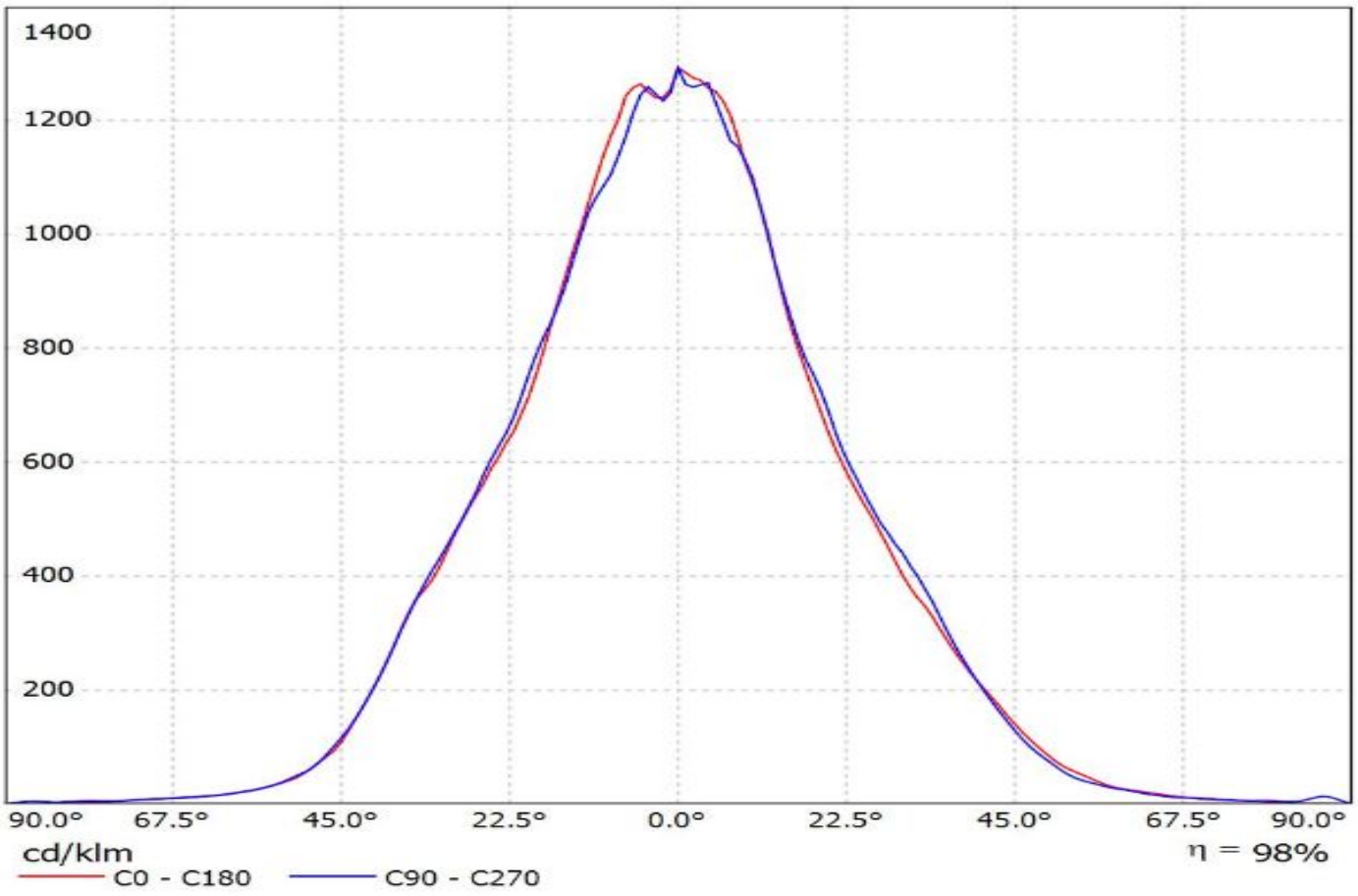
Luminaire: LEDil Oy CA13633_G2-LAURA-WW-P_(Oslon_Square_EC)
Lamps: 1 x Osram Oslon Square EC (LCW CQAR-EC-MQMS-5R8T-35) 77.57lm @ 250mA CCT=3226K P=0.8W I=250mA



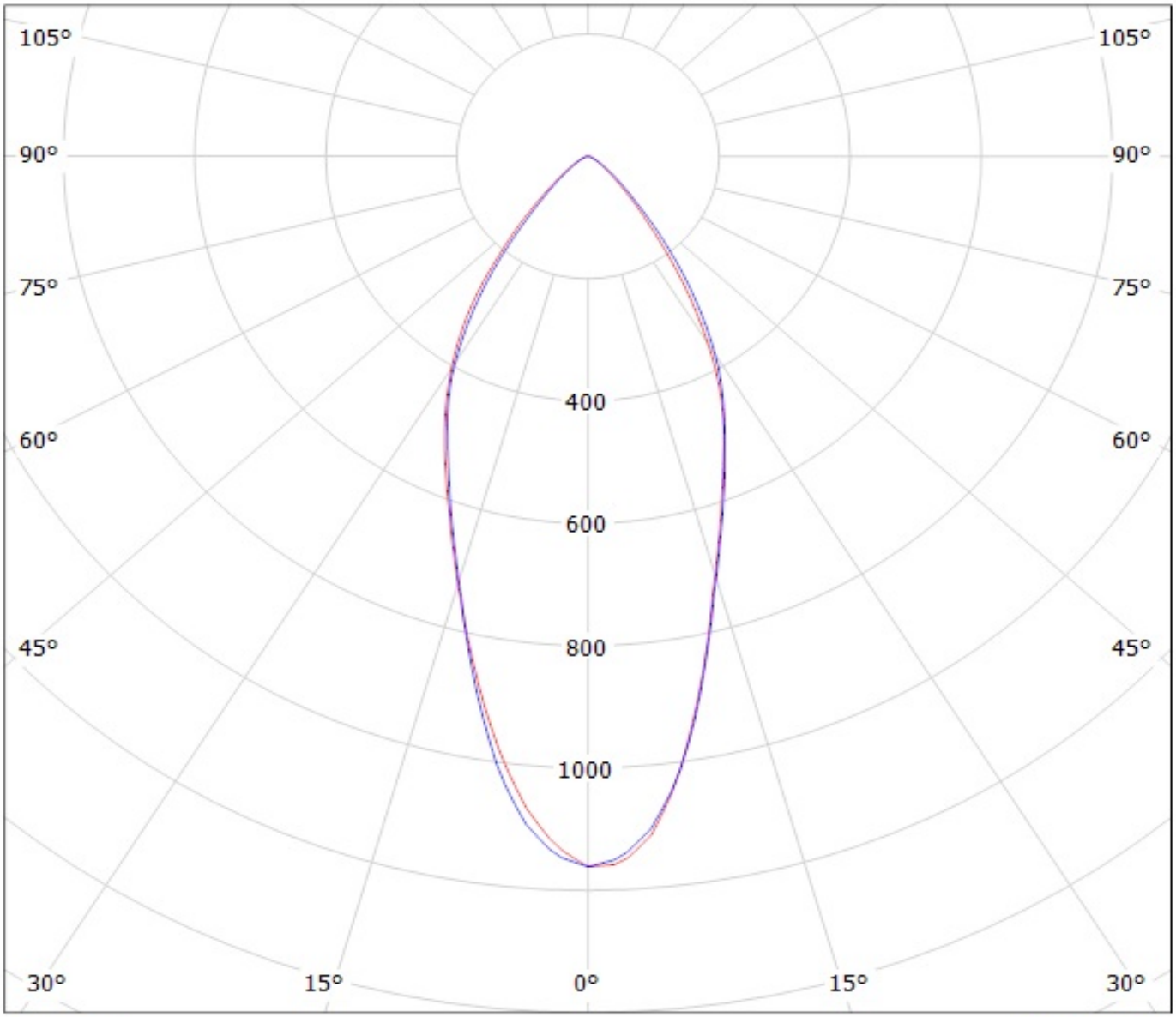
Luminaire: Ledil CA13633_G2-LAURA-WW-P_(Z5M1)
Lamps: 1 x Seoul_Z5M1_(SZ5-M1-W0-C8)_110.161lm@250mA_P=0.7398W_I=0.250A



Luminaire: Ledil Oy CA13633_G2-LAURA-WW-P_Seoul_Z8Y22P_SIMULATED
Lamps: 1 x Seoul Z8Y22P



Luminaire: LEDil Oy CA13633_G2-LAURA-WW-P_(XB-D)
Lamps: 1 x Cree XB-D (97.2lm @ 250mA) P=0.8W I=250mA

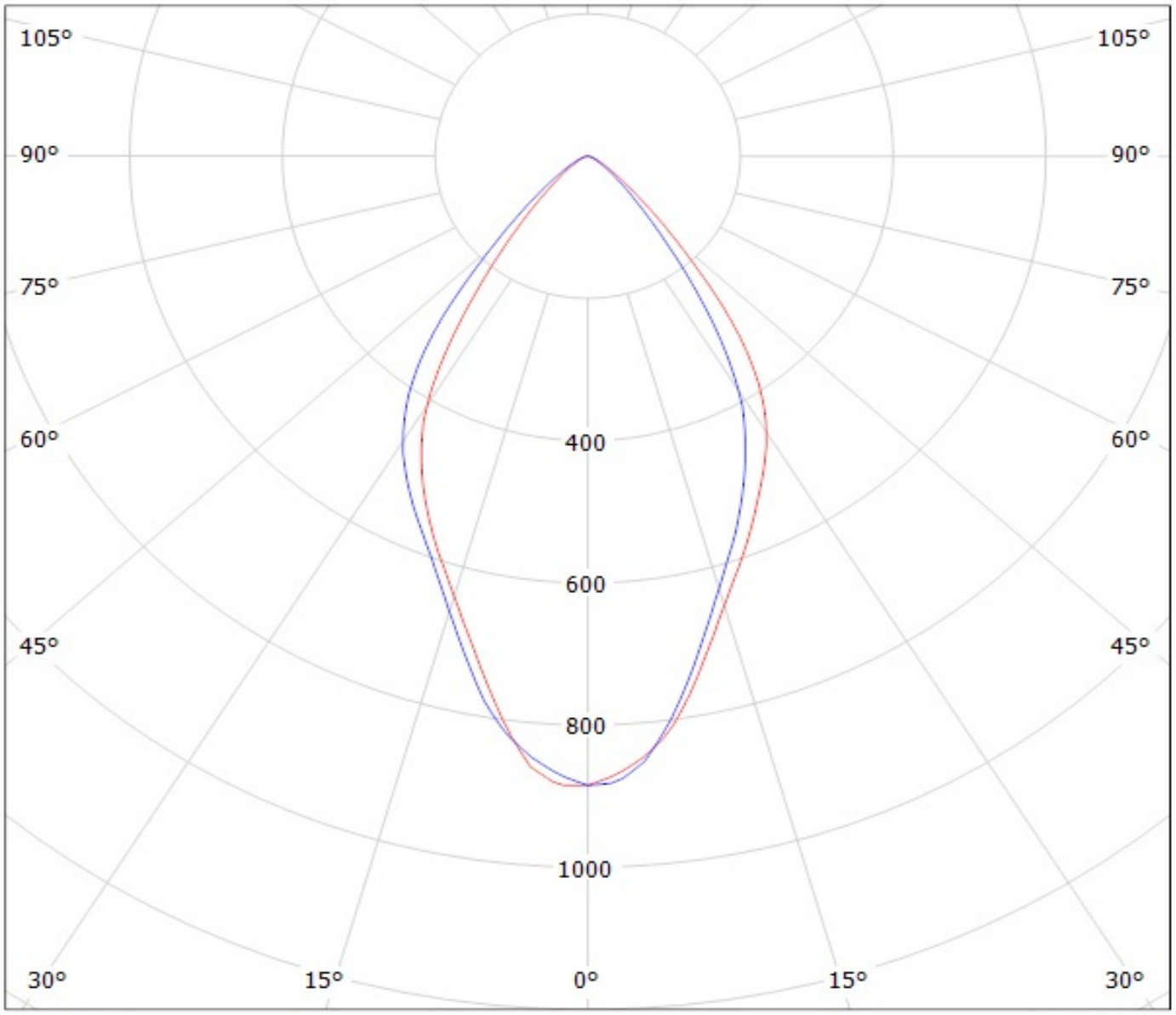


cd/klm

η = 84%

C0 - C180 C90 - C270

Luminaire: LEDil Oy CA13633_G2-LAURA-WW-P_(XP-E2)
Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 79.02lm @ 250mA P=0.8W I=250mA

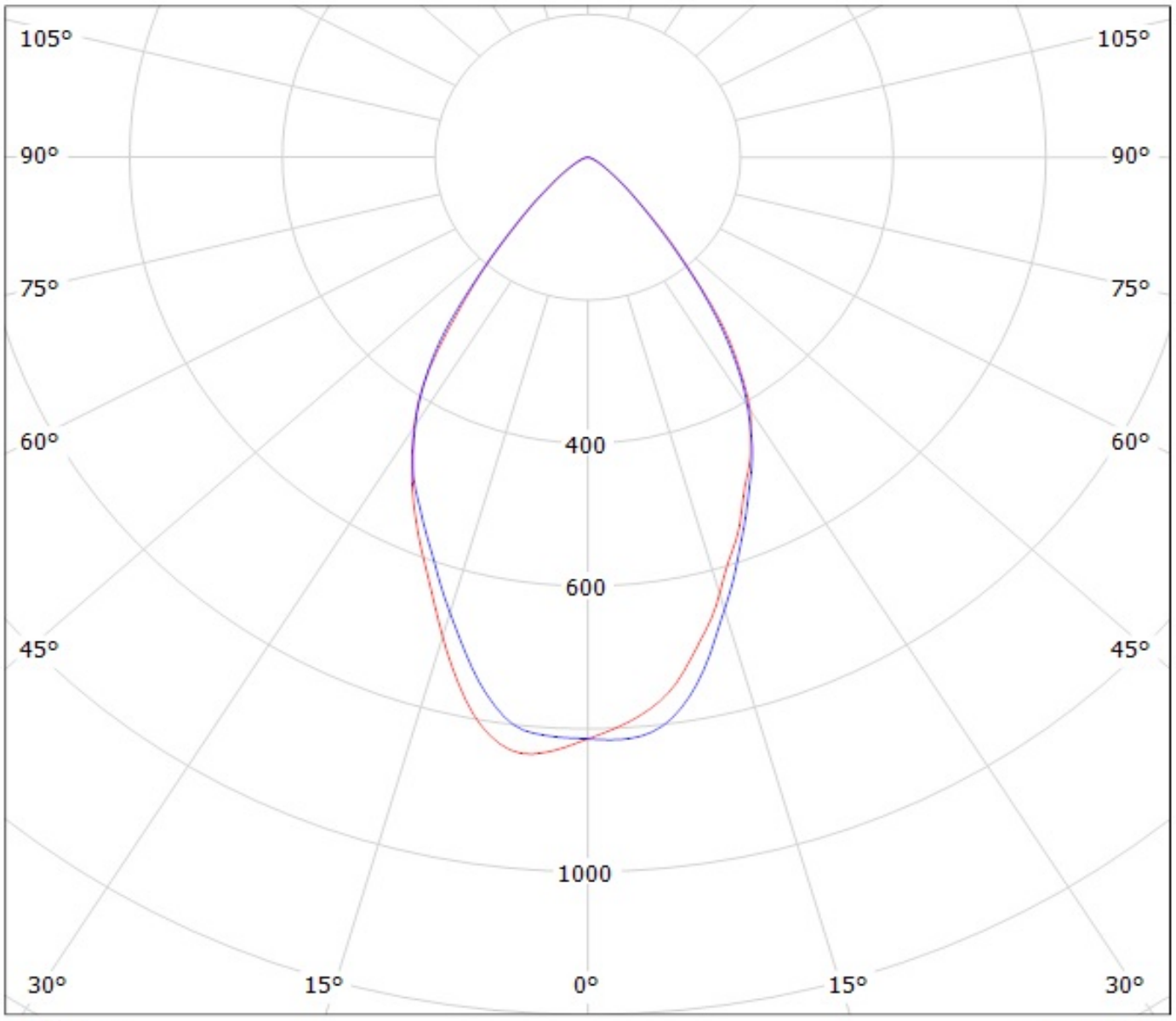


cd/klm

η = 87%

C0 - C180 C90 - C270

Luminaire: LEDil Oy CA13633_G2-LAURA-WW-P_(XP-G2)
Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 99.2lm @ 250mA CCT=4934K P=0.7W I=250mA

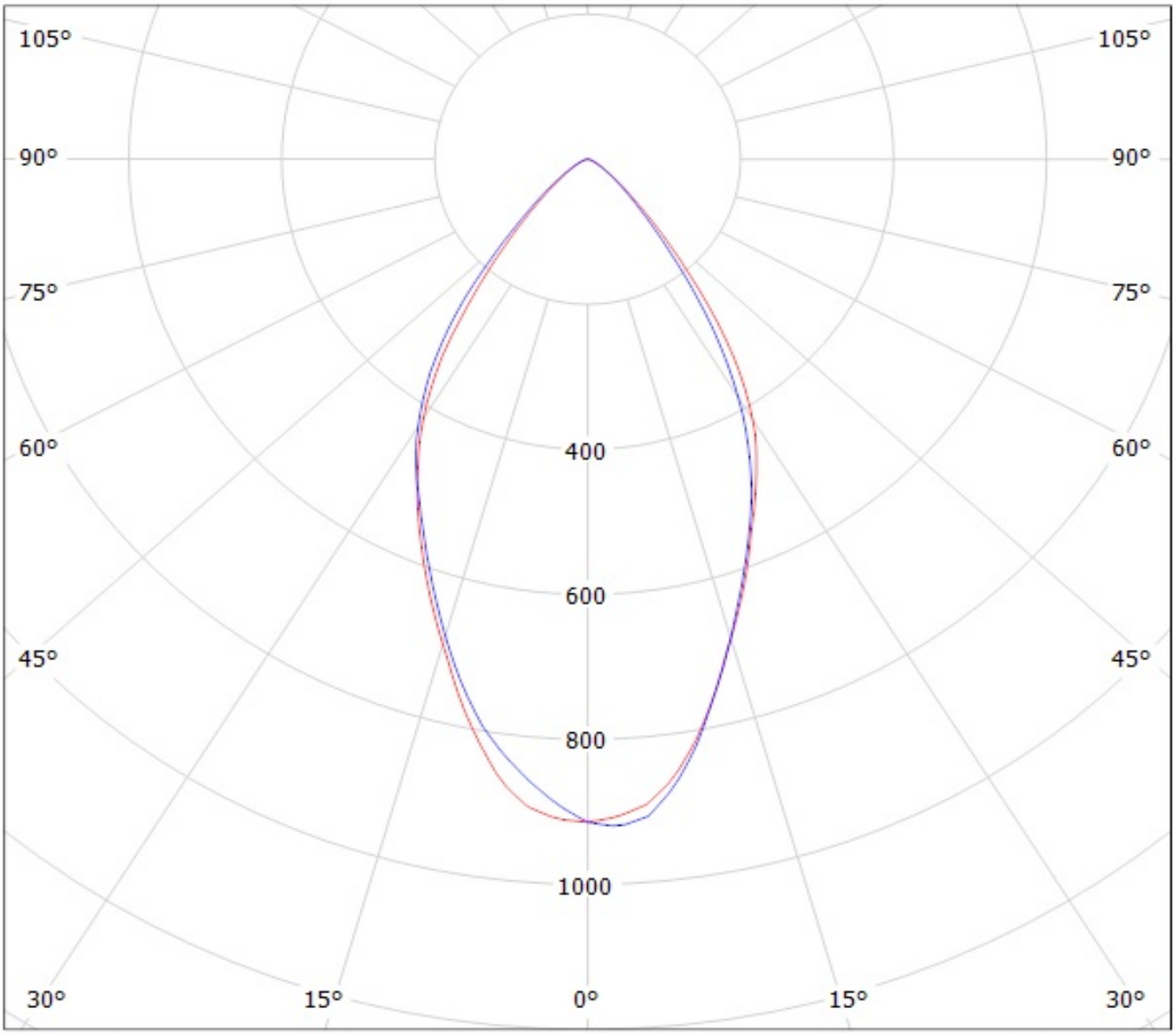


cd/klm

η = 87%

C0 - C180 C90 - C270

Luminaire: LEDil Oy CA13633_G2-LAURA-WW-P_(XT-E)
Lamps: 1 x Cree XT-E (XTEAWT-00-0000-00000HBE8) 73.22lm @ 250mA CCT=2800K P=0.8W I=250mA

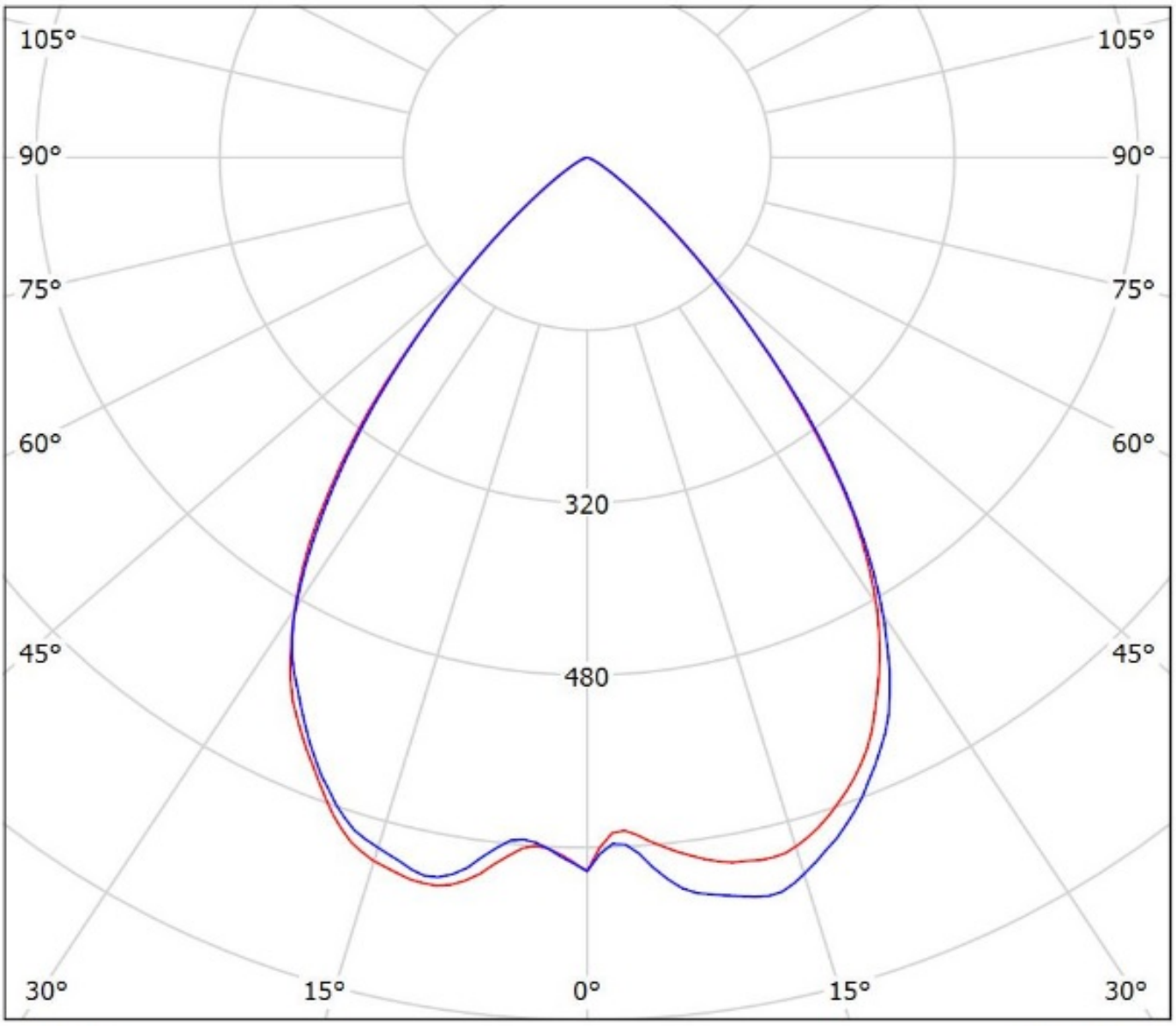


cd/klm

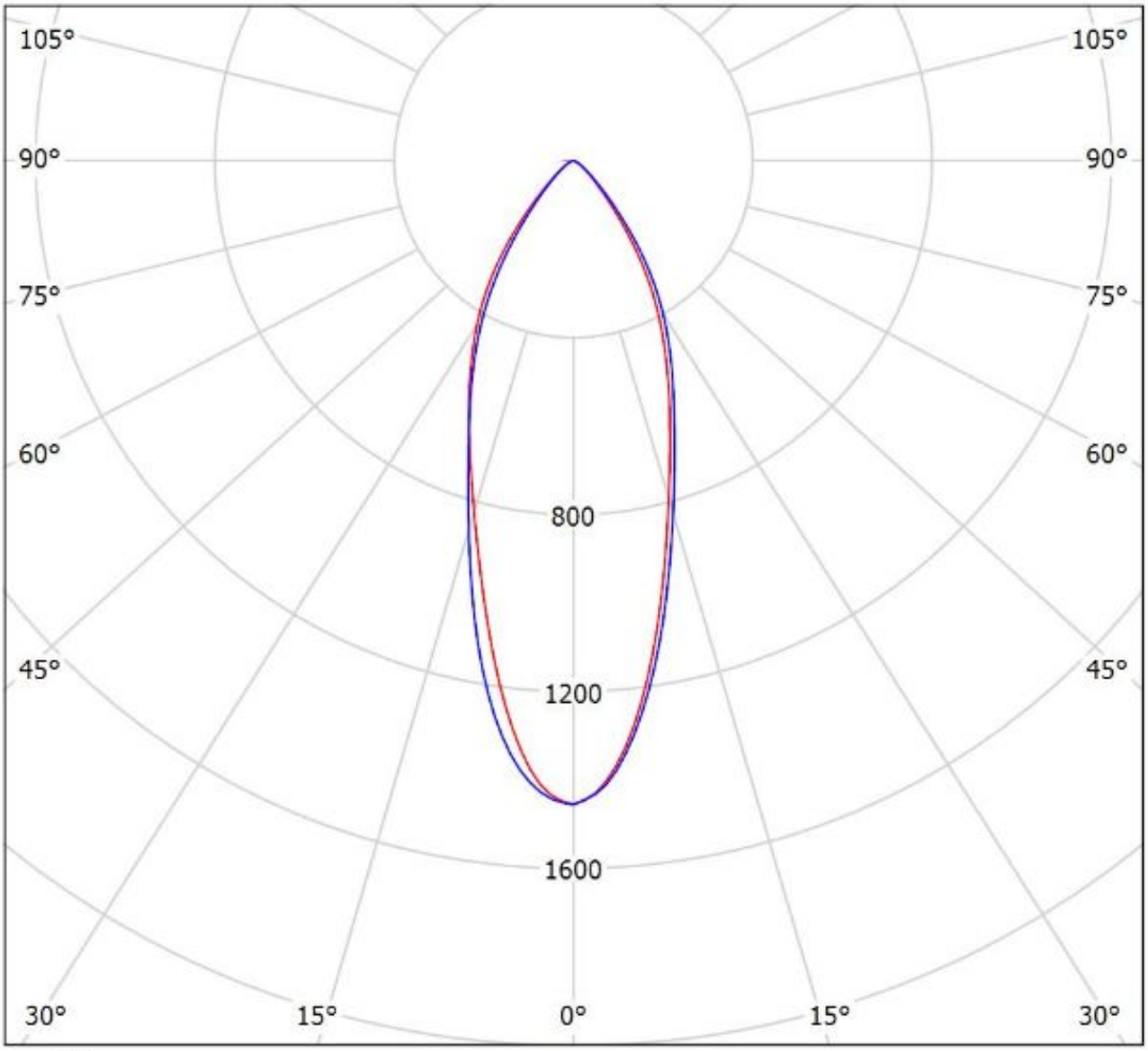
η = 86%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CA13633_G2-LAURA-WW-P_(XHP35_HI)_SIMULATED
Lamps: 1 x Cree XHP35 HI



Luminaire: Ledil CA13633_G2-LAURA-WW-P_(LUXEON_3030_2D)
Lamps: 1 x LUXEON_3030_2D_(L130-5080)_73.2834lm@100mA_CCT=5000K_P=0.595784W_I=0.1A

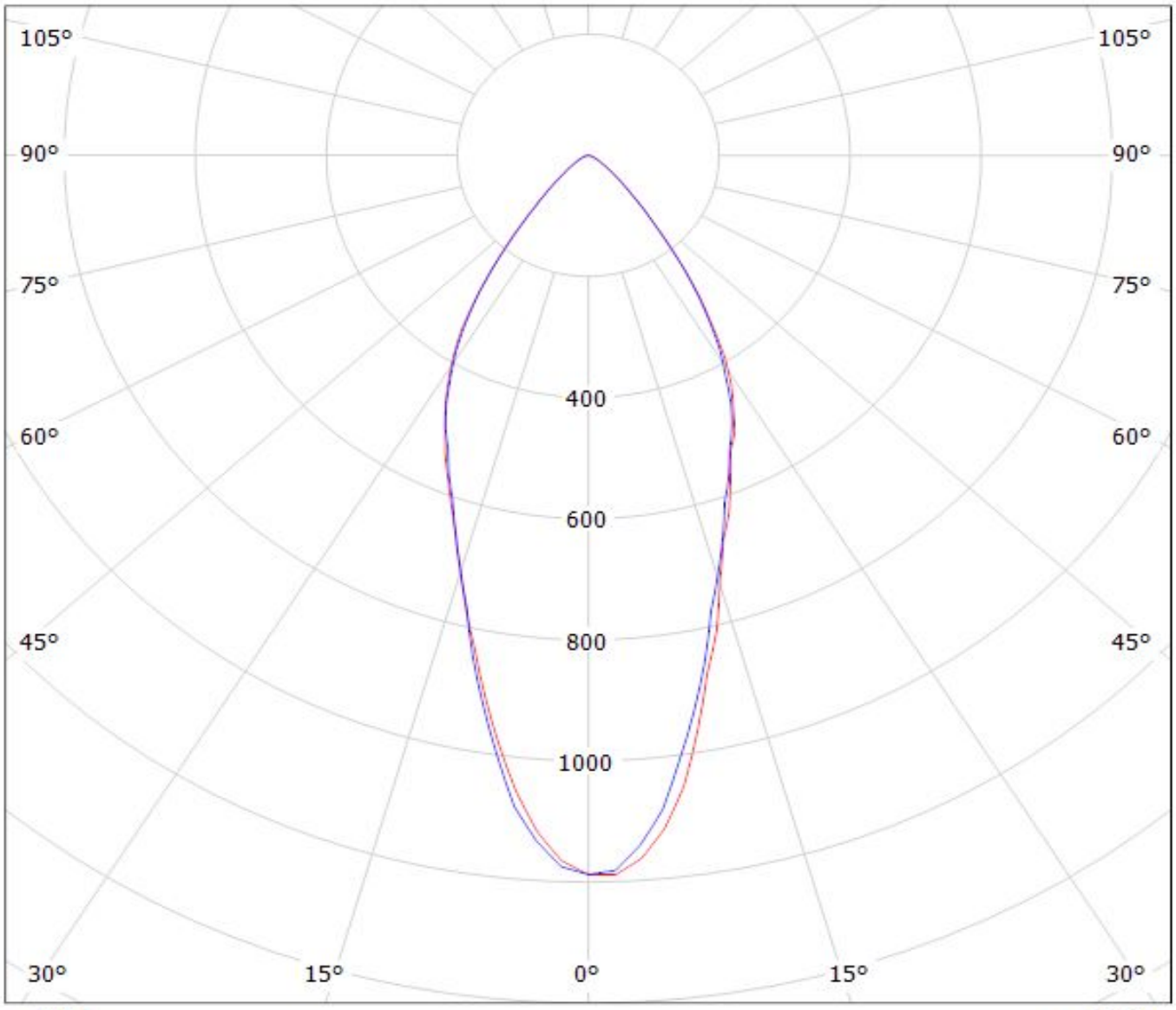


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDiL CA13633_G2-LAURA-WW-P_(NCS19)
Lamps: 1 x Nichia NCSxx19A 67lm @ 250mA CCT= P=0.77W I=250mA

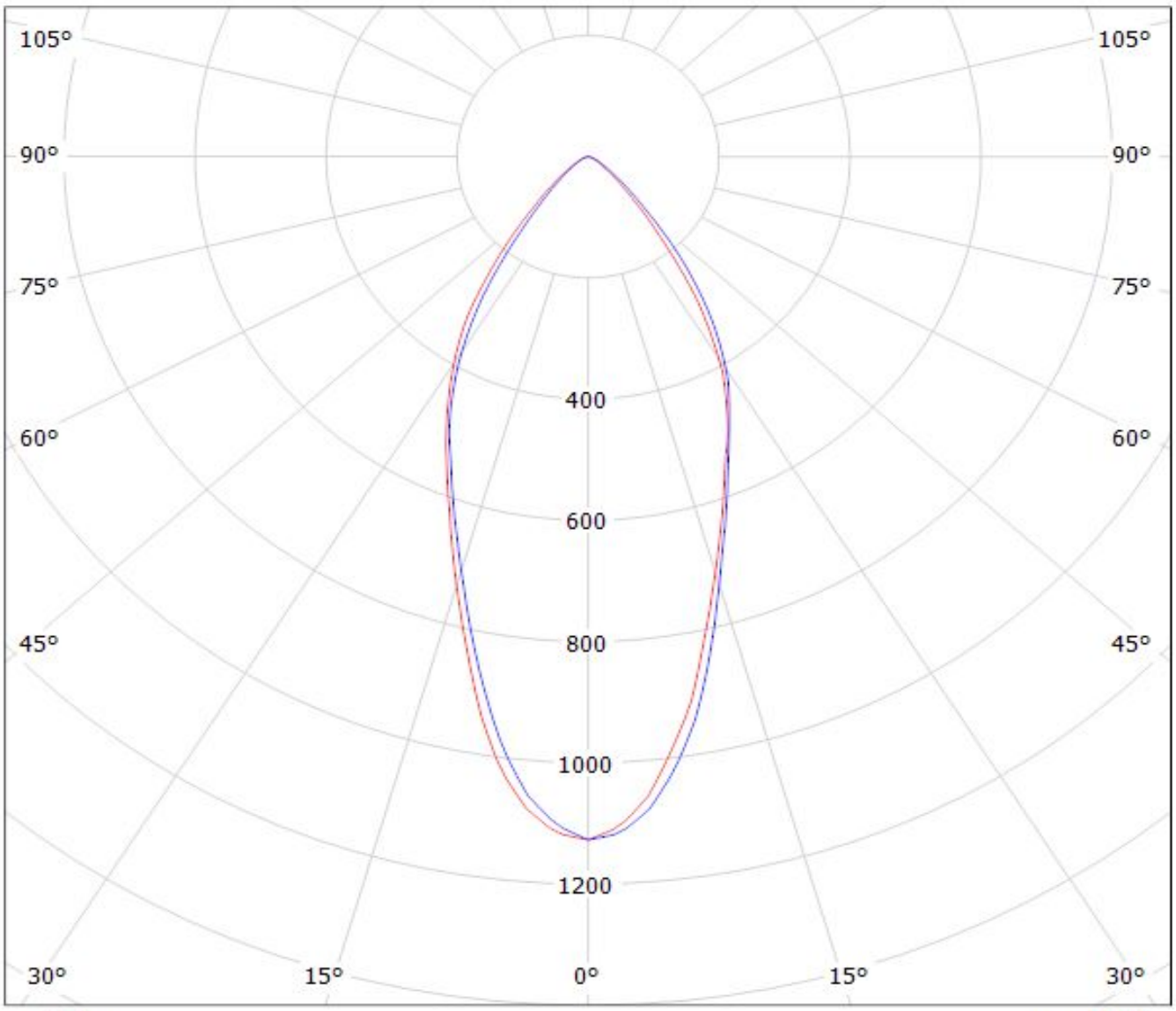


cd/klm

η = 87%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CA13633_G2-LAURA-WW-P_(NVS19)
Lamps: 1 x Nichia NVSxx19A 93lm @ 250mA CCT= P=0.75W I=250mA

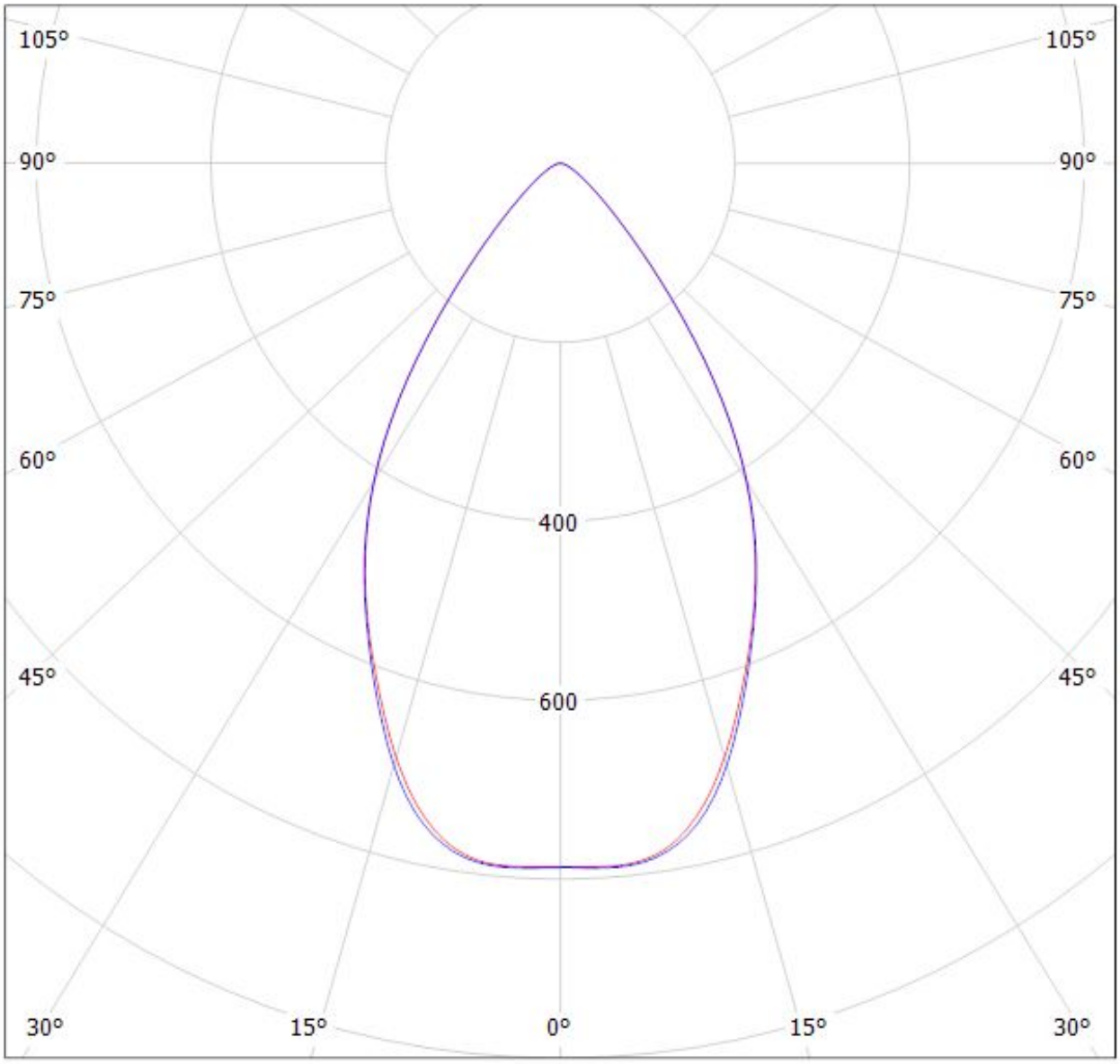


cd/klm

η = 86%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CA13633_G2-LAURA-WW-P_(NVSL219CE)
Lamps: 2 x Nichia_NVSL219CE_101.052lm@250mA_P=0.713154W_I=0.25A

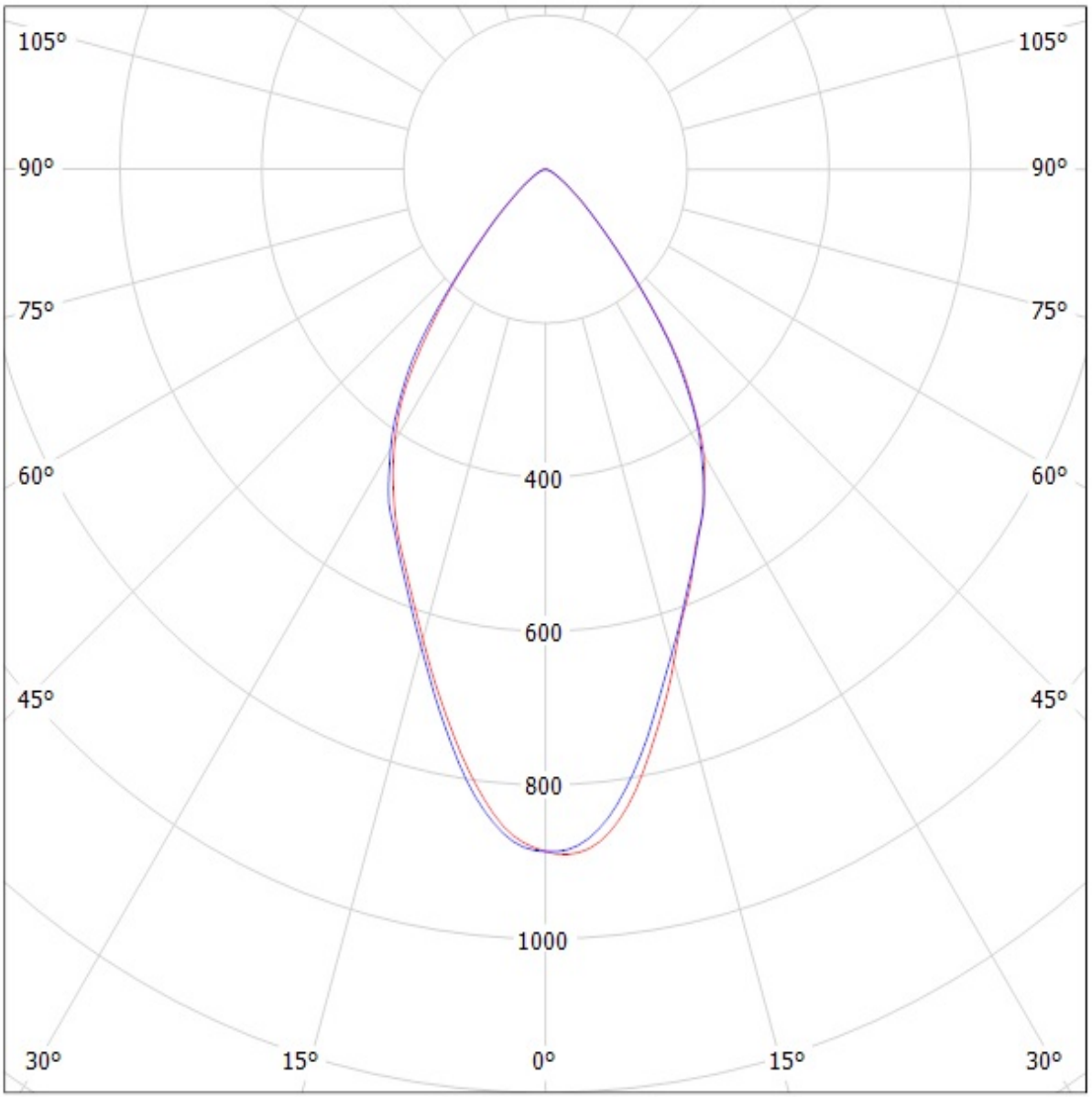


cd/klm

η = 86%

C0 - C180 C90 - C270

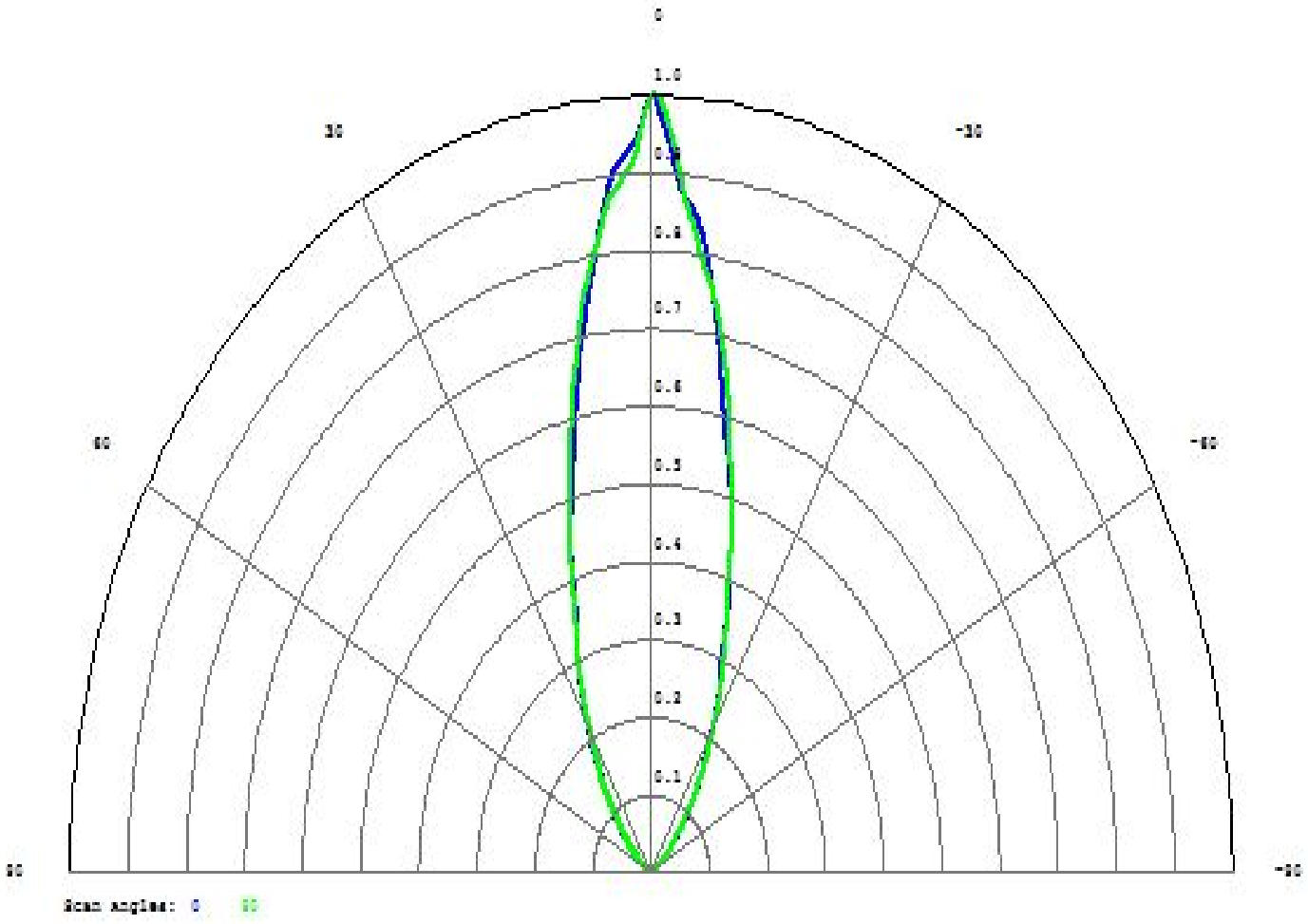
Luminaire: LEDil Oy CA13633_G2-LAURA-WW-P_(Oslon_Square_EC)
Lamps: 1 x Osram Oslon Square EC (LCW CQAR-EC-MQMS-5R8T-35) 77.57lm @ 250mA CCT=3226K P=0.8W I=250mA



cd/klm

η = 86%

C0 - C180 C90 - C270

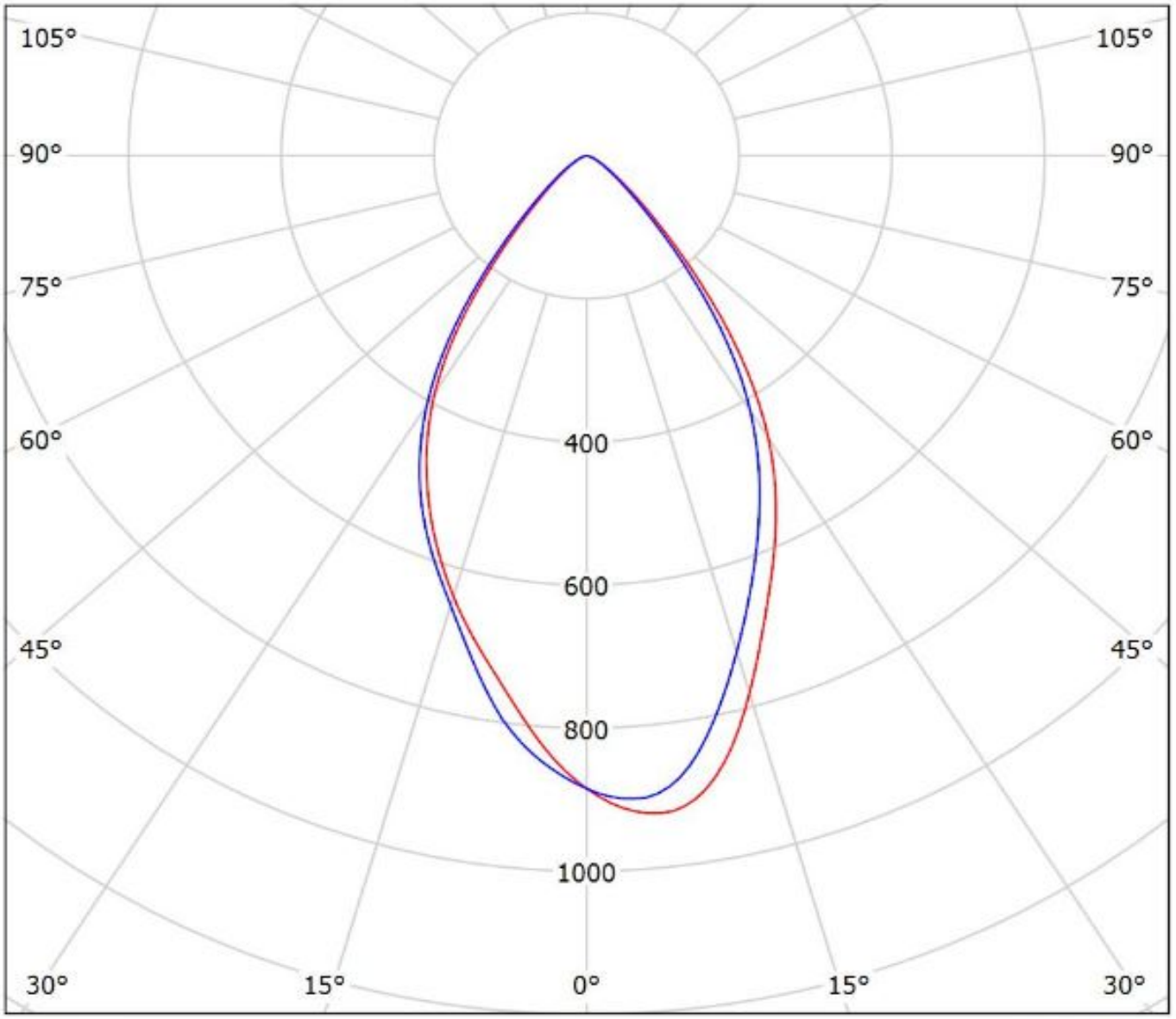


Detector Image: Radiant Intensity

8.4.2016
Detector 3, NSCG Surface 1:
Scan Angles: 0, 90
Peak Intensity : 1.810E+000 Watts/Steradian

CA13633_G2-LAURA-WW-P_SFH_4770S.ZMX
Configuration 1 of 1

Luminaire: Ledil CA13633_G2-LAURA-WW-P_(Z5M1)
Lamps: 1 x Seoul_Z5M1_(SZ5-M1-W0-C8)_110.161lm@250mA_P=0.7398W_I=0.250A

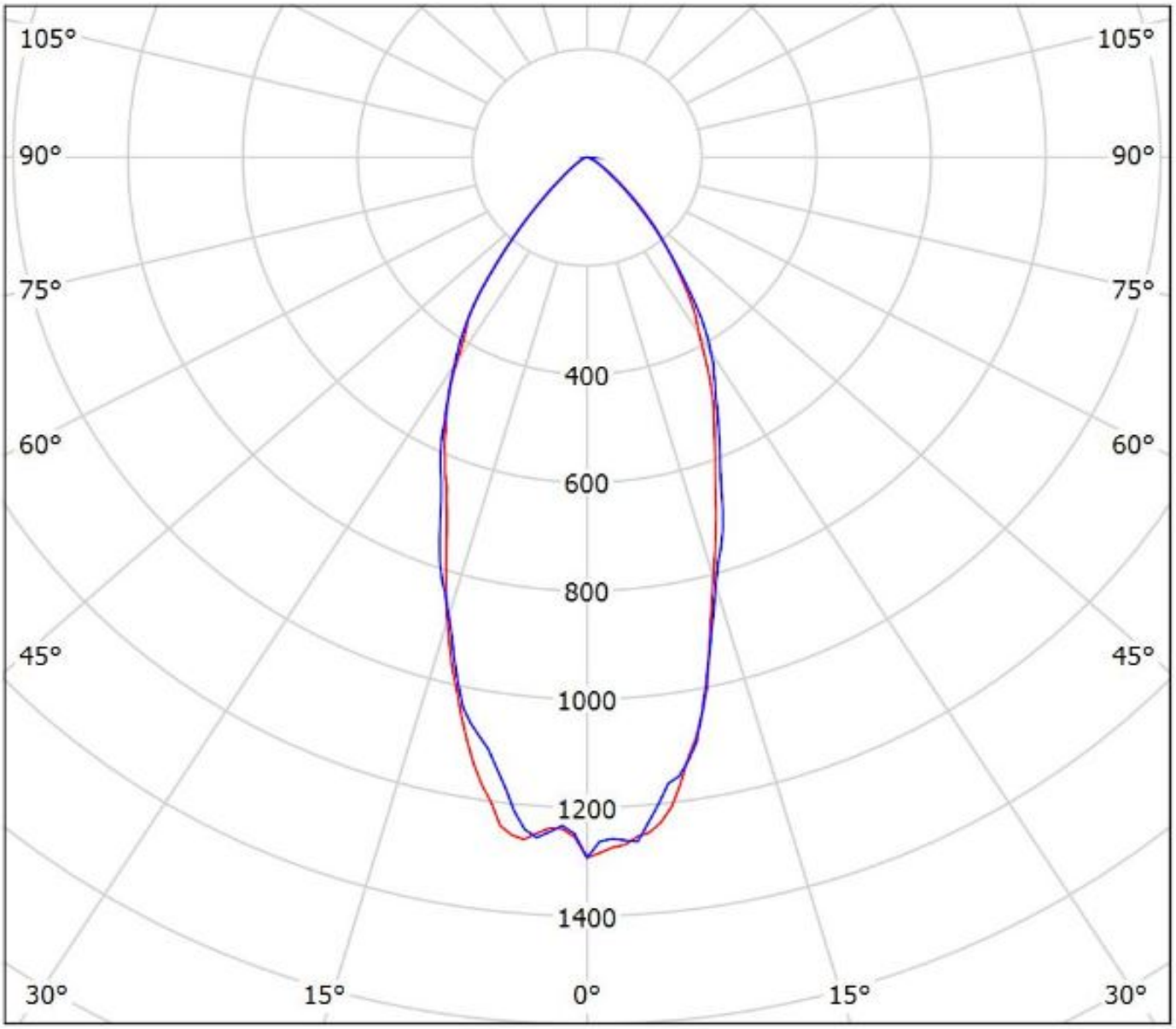


cd/klm

η = 86%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CA13633_G2-LAURA-WW-P_Seoul_Z8Y22P_SIMULATED
Lamps: 1 x Seoul Z8Y22P



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.