

DETAILS

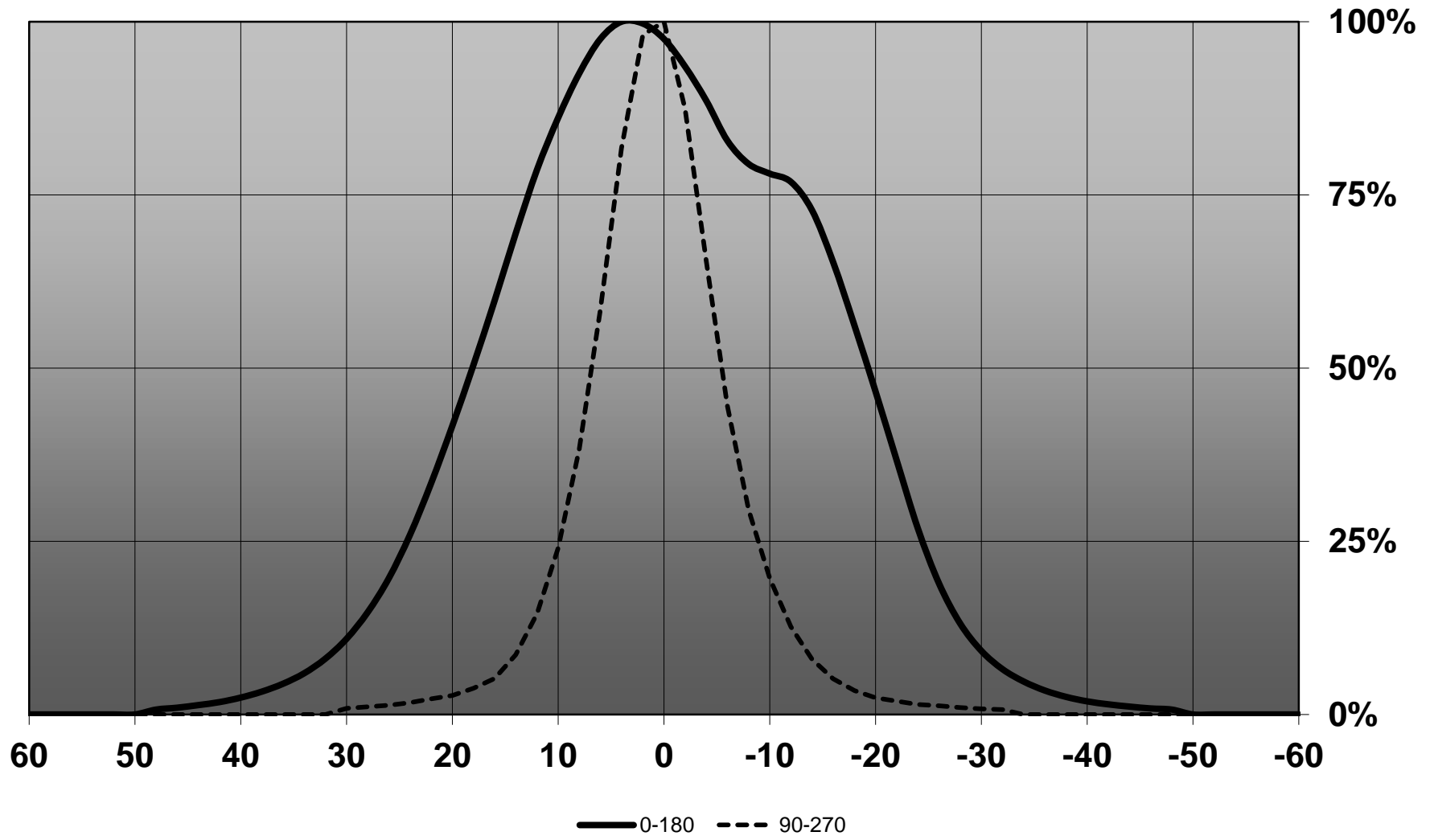
Product Number	CA13631_G2-LAURA-O-P
Family	Laura
Type	Assembly
Color	white
Diameter	21,6 x 21,6 mm
Height	13,1 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	tape, pin
Status	production ready
ROHS Compliant	Yes
Date Updated	13/01/2017

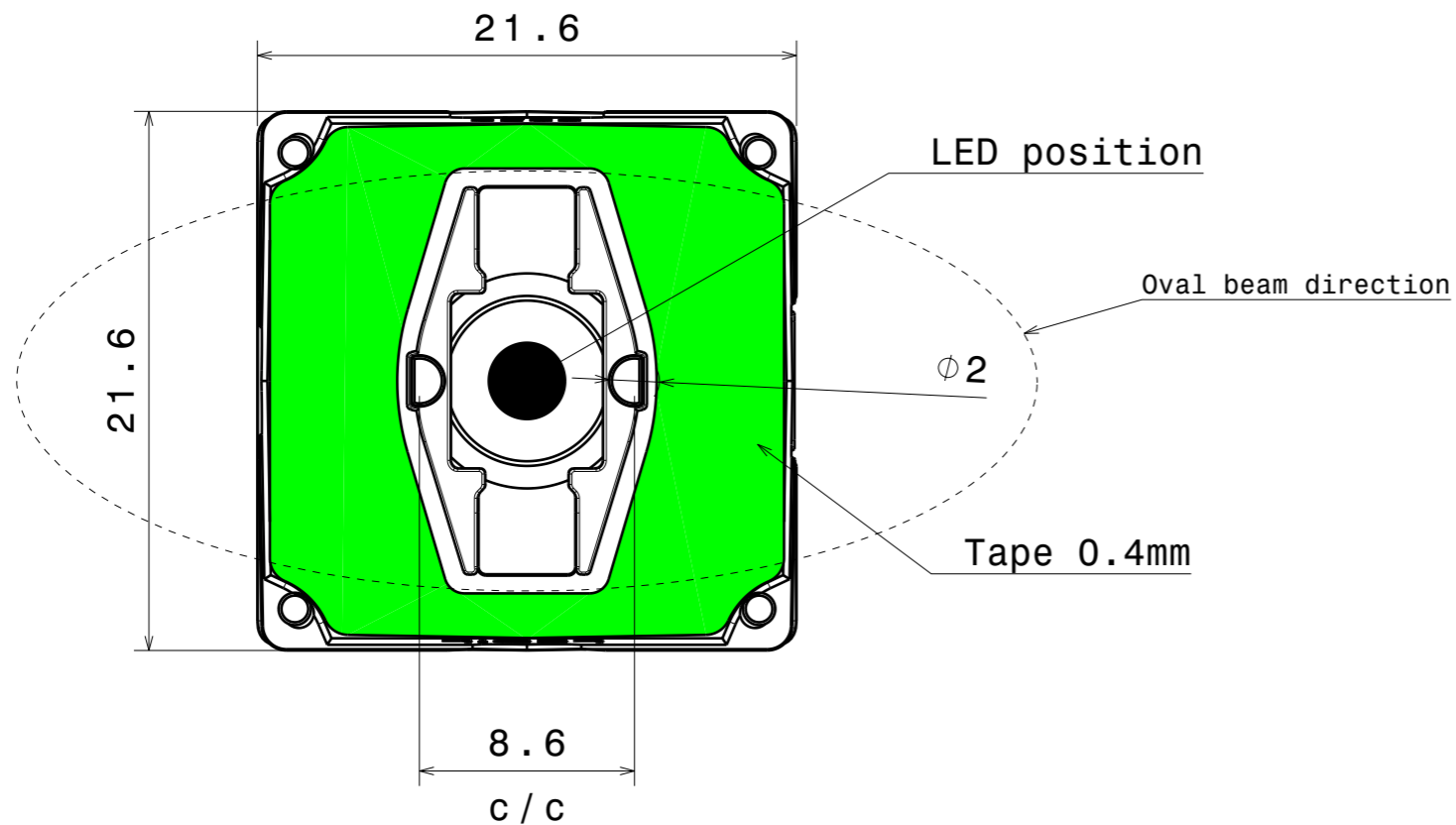
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XP-E	40+13 deg	Oval	91 %	4.800	-
XP-L	38+16 deg	Oval	89 %	3.760	-
XB-D	41+13 deg	Oval	86 %	4.800	-
XP-E2	41+11 deg	Oval	88 %	5.800	-
XP-G2	41+14 deg	Oval	87 %	4.800	-
XT-E	40+14 deg	Oval	87 %	4.400	-
XB-H	41+13 deg	Oval	87 %	4.600	-
XP-L2	38+17 deg	Oval	84 %	3.100	-
LUXEON T	40+15 deg	Oval	90 %	4.700	-
LUXEON TX	41+14 deg	Oval	87 %	4.600	-
LUXEON 3030 2D	40+13 deg	Oval	88 %	4.700	-
NCSxx19A	41+13 deg	Oval	87 %	4.700	-
NVSxx19A	40+15 deg	Oval	87 %	4.300	-
NCSxx19B	40+12 deg	Oval	87 %	4.900	-
NVSxx19B/NVSxx19C	37+12 deg	Oval	89 %	5.300	-
Oslon Square EC	40+13 deg	Oval	87 %	4.800	-
SFH 4770S	sim: 63+11	Oval	sim: 88 %	-	-
Oslon Black	sim: 62+10	Oval	-	sim: 3.210	-
Z5M1/Z5M2	40+12 deg	Oval	86 %	4.640	-
Z8Y22P	sim: 60+12	Oval	sim: 93 %	sim: 2.650	-

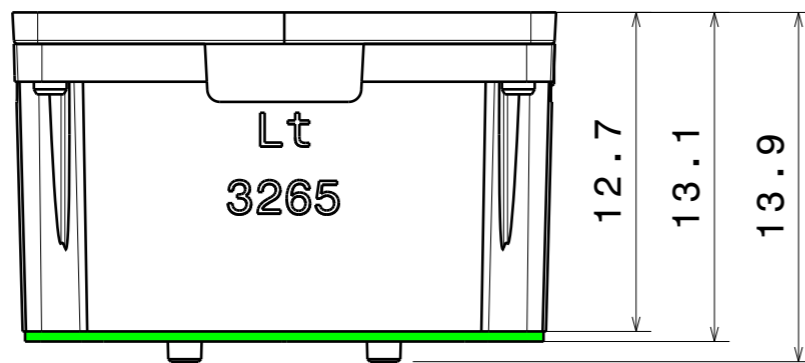


Relative intensity of CA13631_G2-LAURA-O-P_(NVSxx19B)

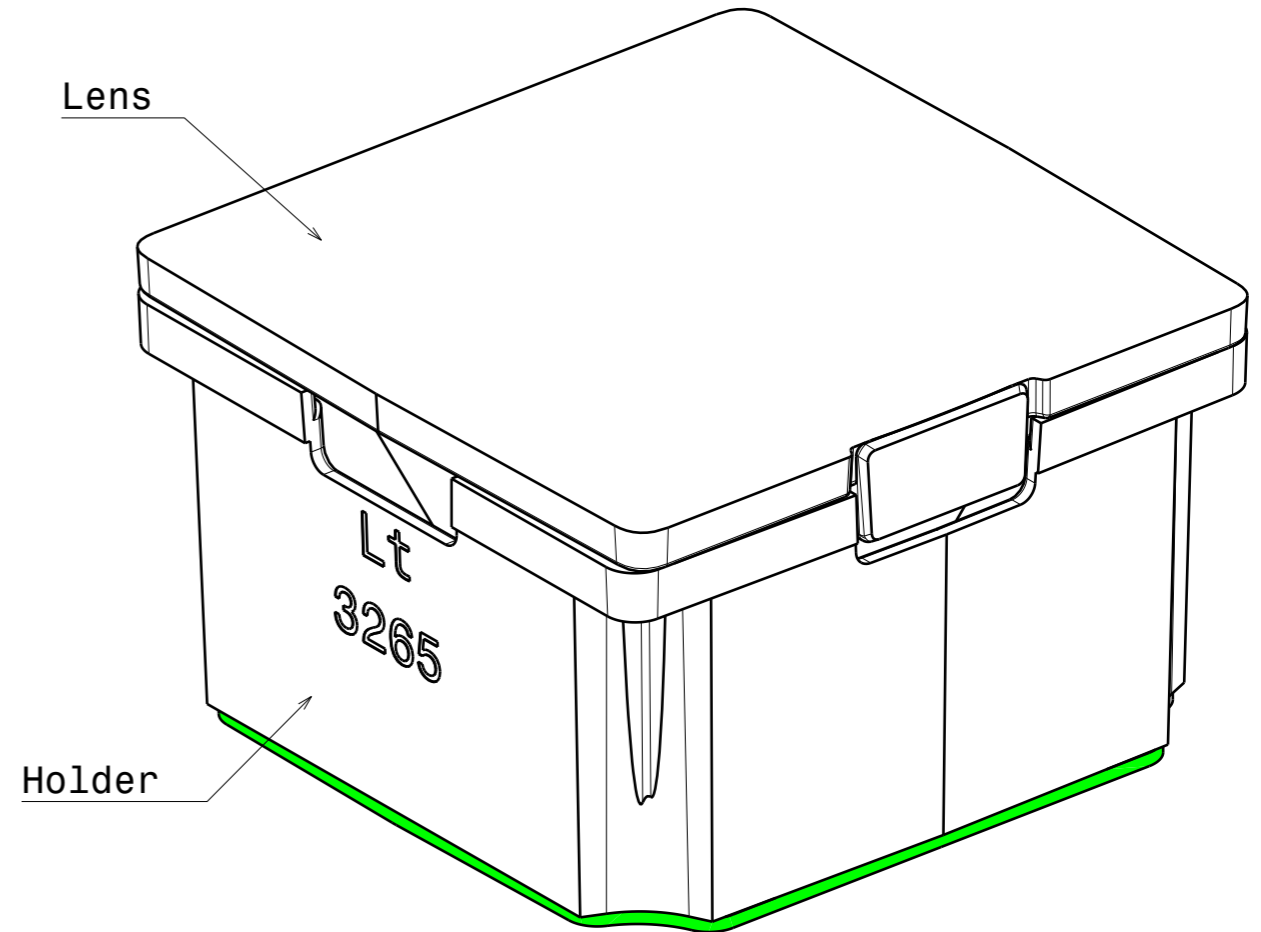




Bottom view



Front view



Isometric view
Scale: 5:1

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C13265	LAURA-Lt-PIN-XP-HLD-WHT	PC	white
2	C12550	LAURA-M	PMMA	clear

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:

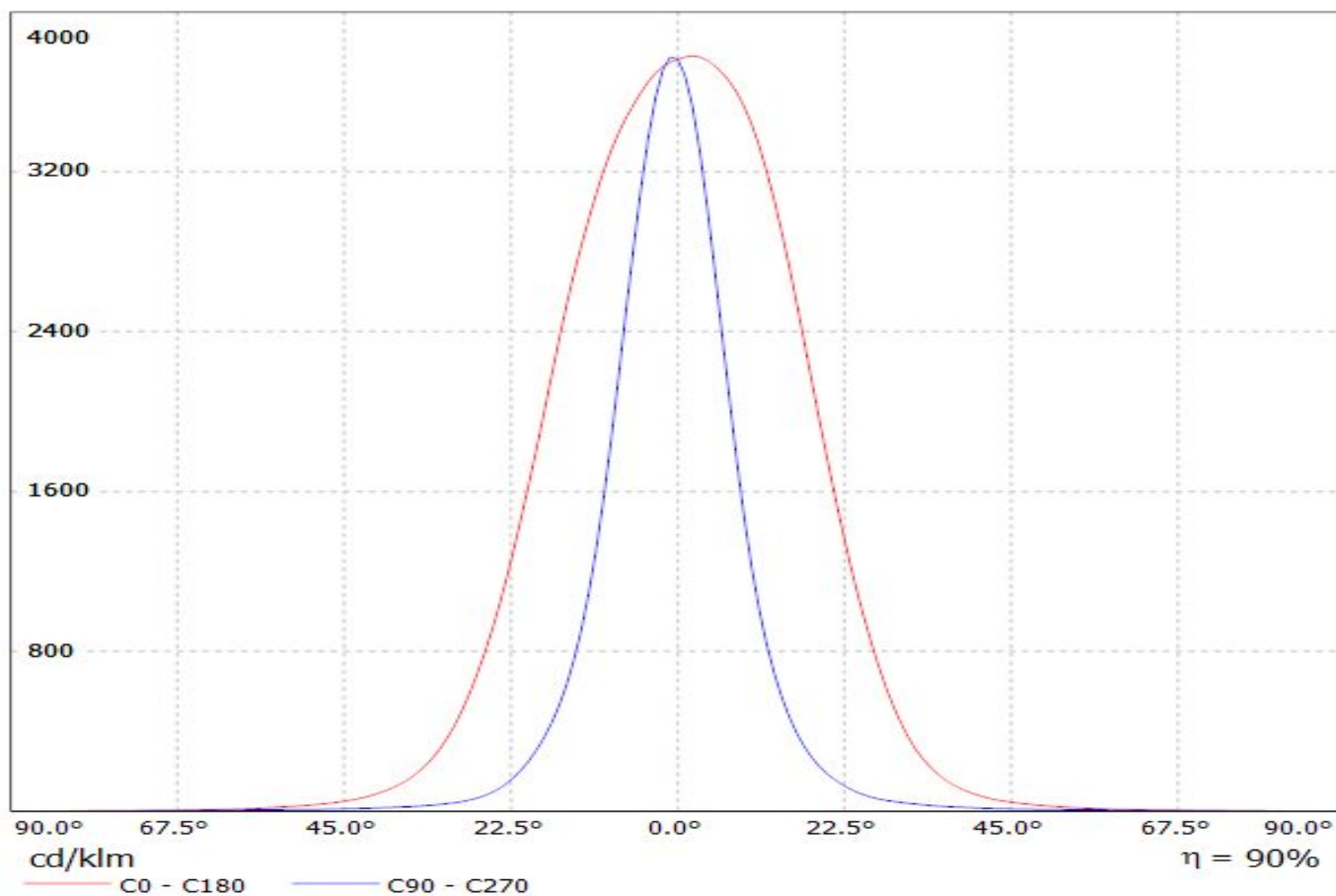
DRAWING TITLE
CA13631_G2-LAURA-0-P

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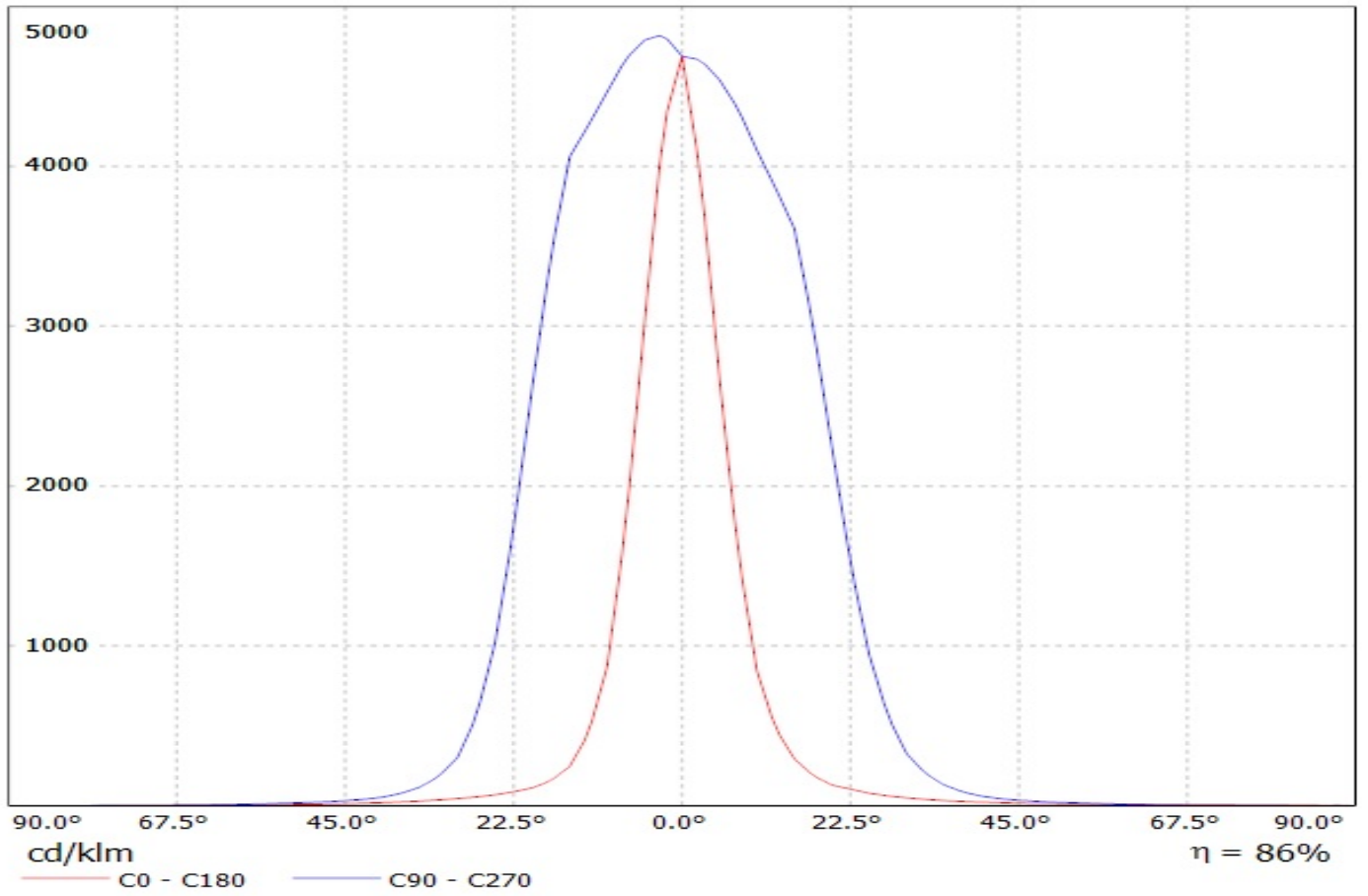
SIZE PART NUMBER
A3 CA13631

SCALE 10:3 WEIGHT 3,66 g SHEET 1/1

Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(XP-L) Efficiency=89%
Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA

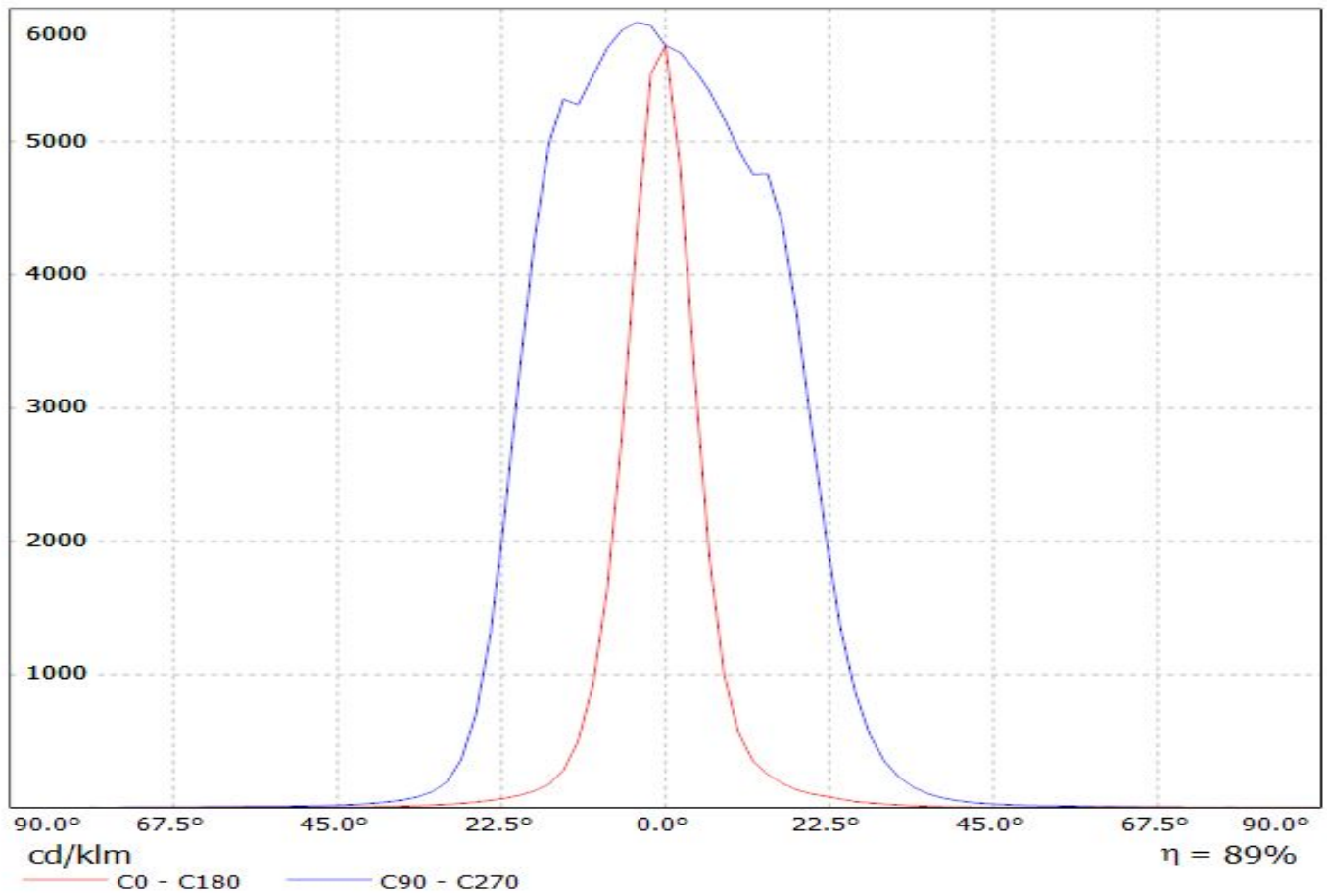


Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(XB-D)
Lamps: 1 x Cree XB-D (97.2lm @ 250mA) P=0.8W I=250mA



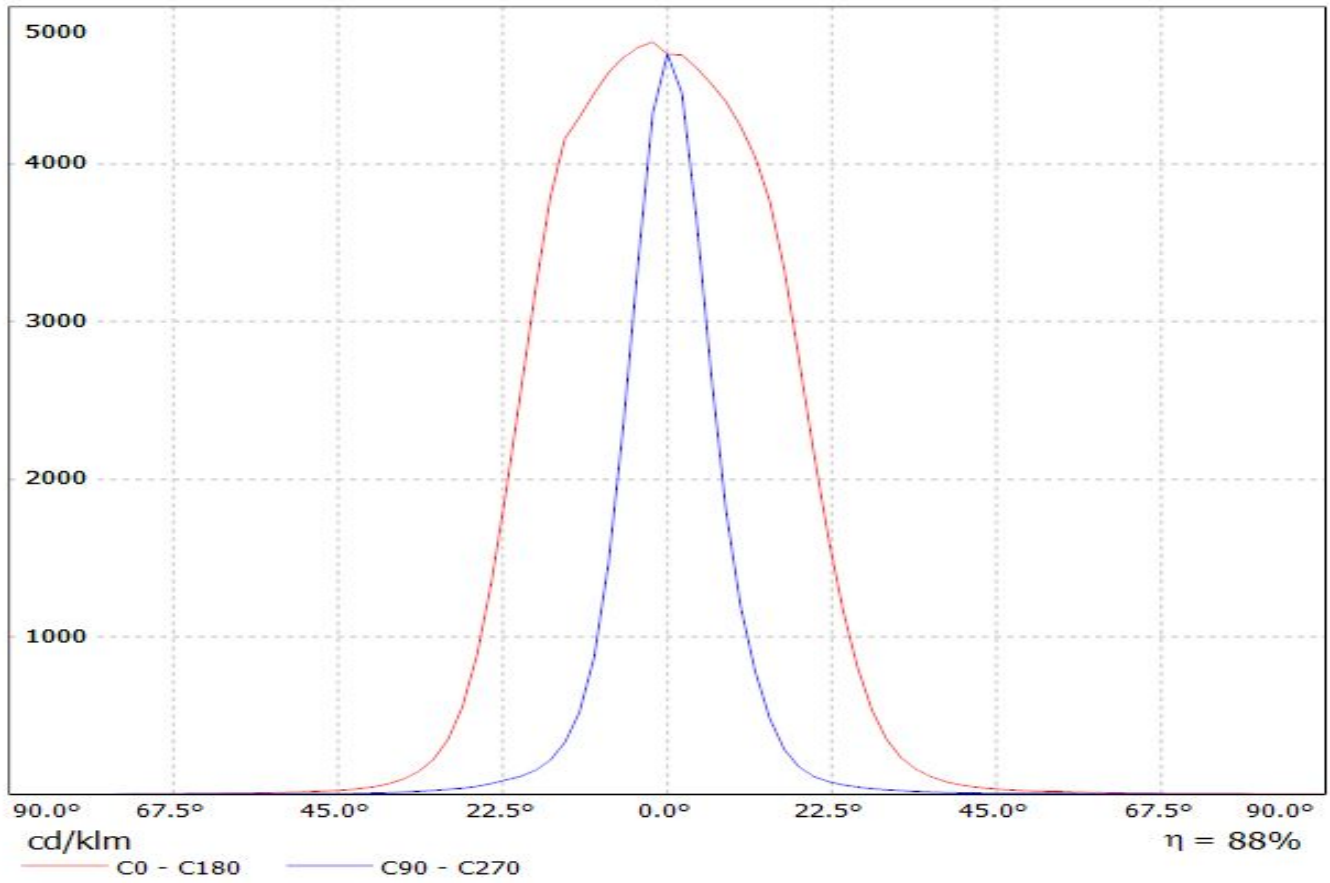
Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(XP-E2)

Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 79lm @ 250mA CCT= P=0.75W I=250mA



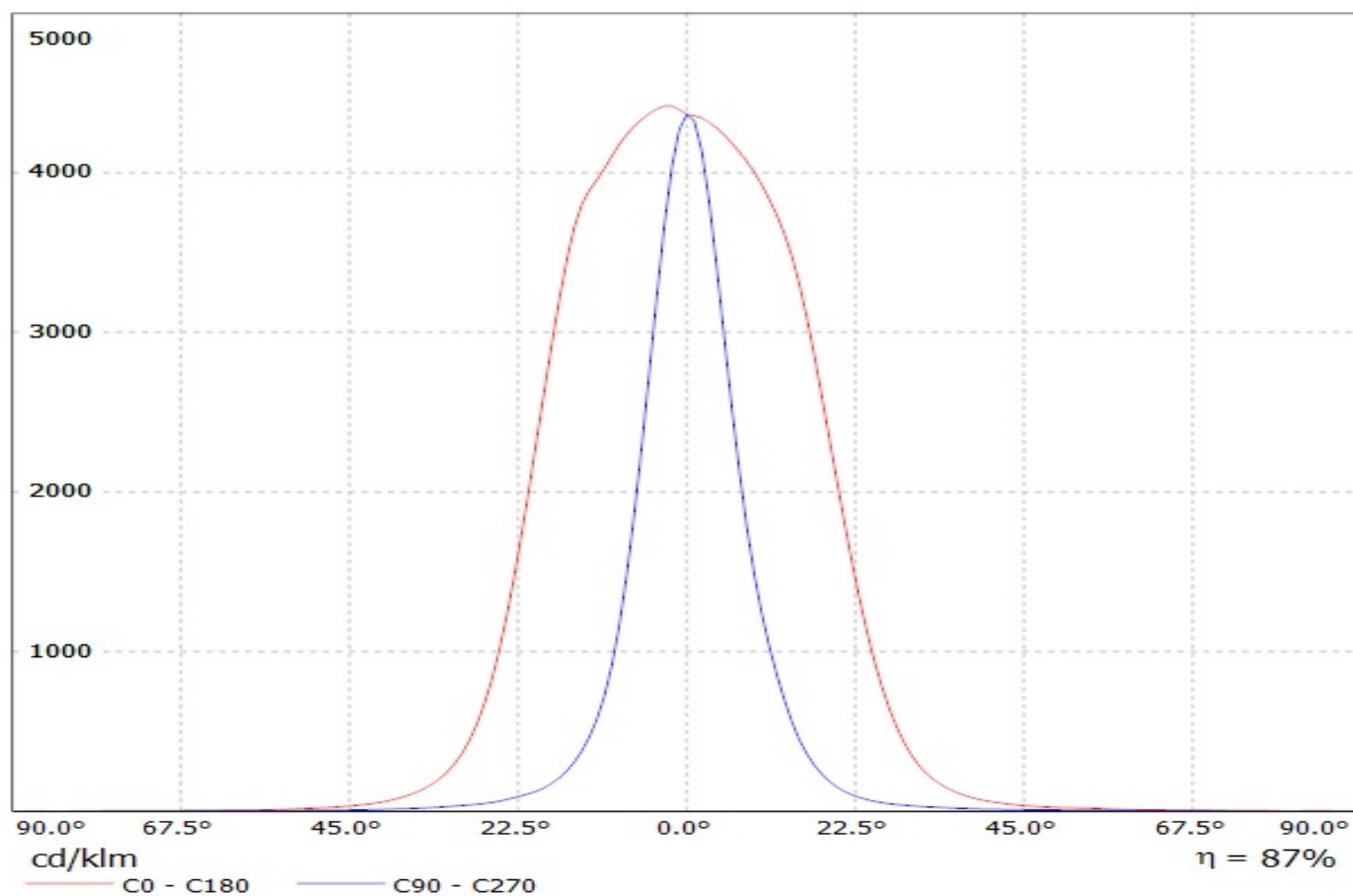
Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(XP-G2)

Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 100lm @ 250mA CCT=4934K P=0.75W I=250mA

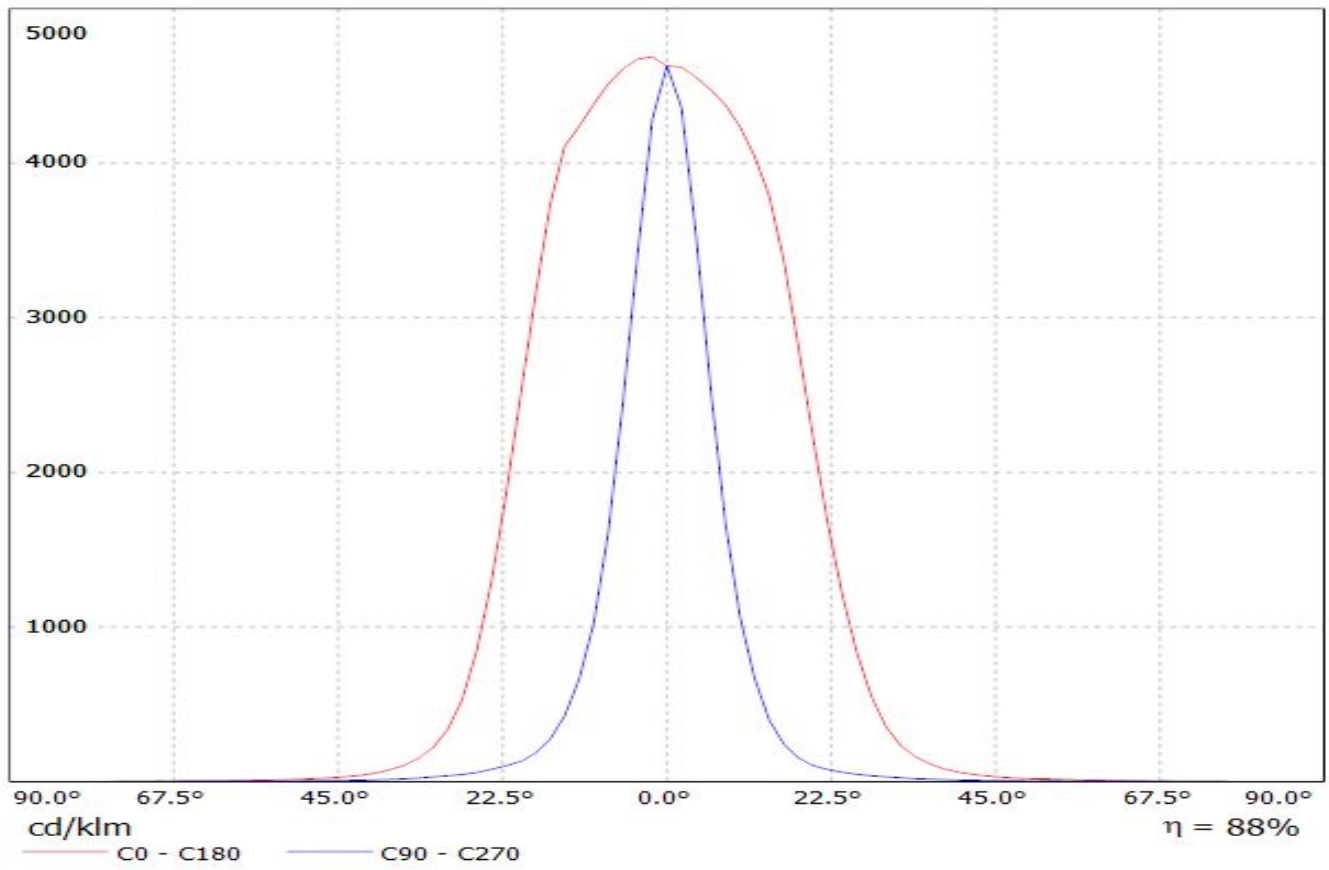


Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(XT-E)

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

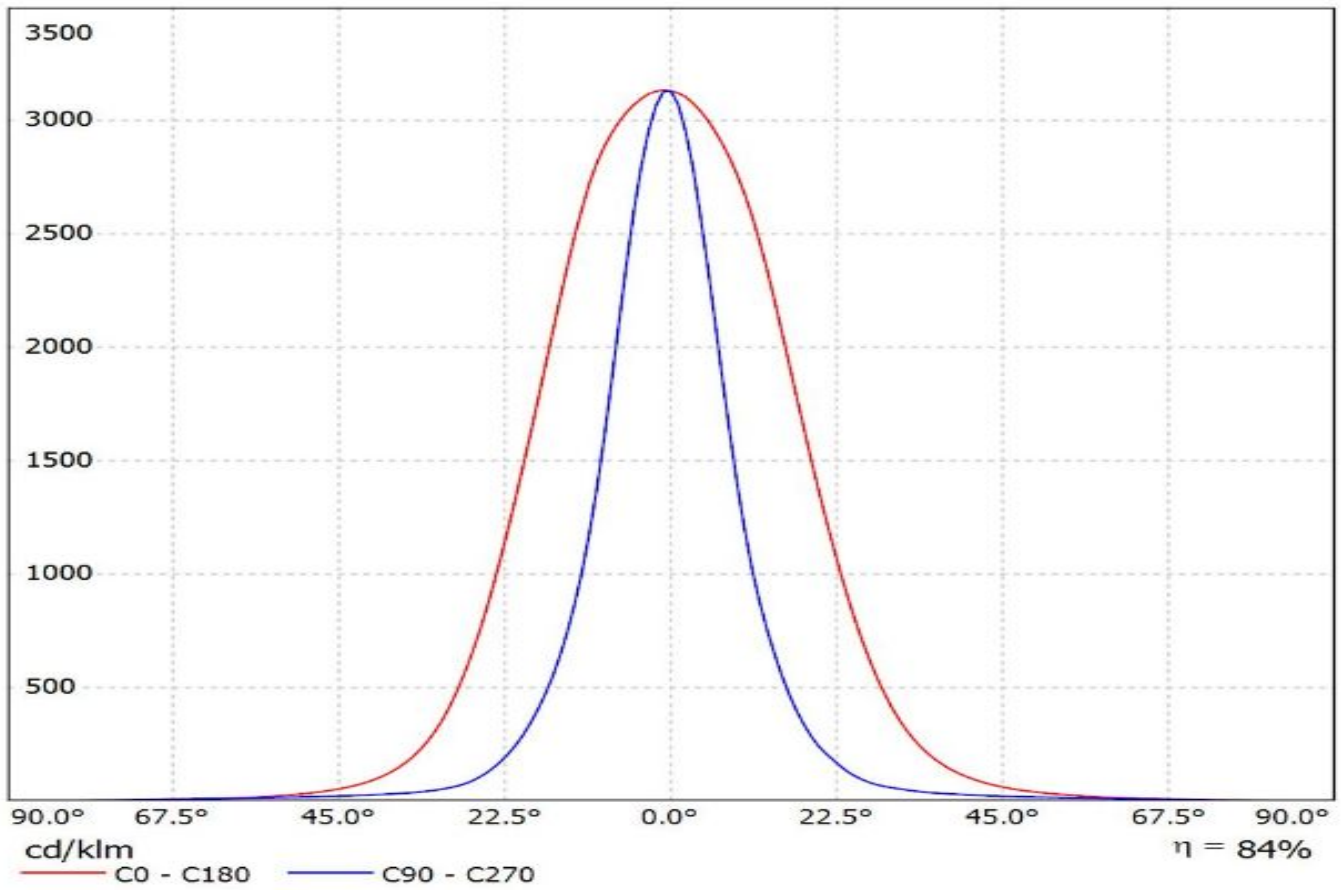


Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(XB-H)
Lamps: 1 x Cree XB-H (XBHAWT-0-3C0-T50-0B-0001) 106lm @ 250mA CCT= P=0.73W I=250mA

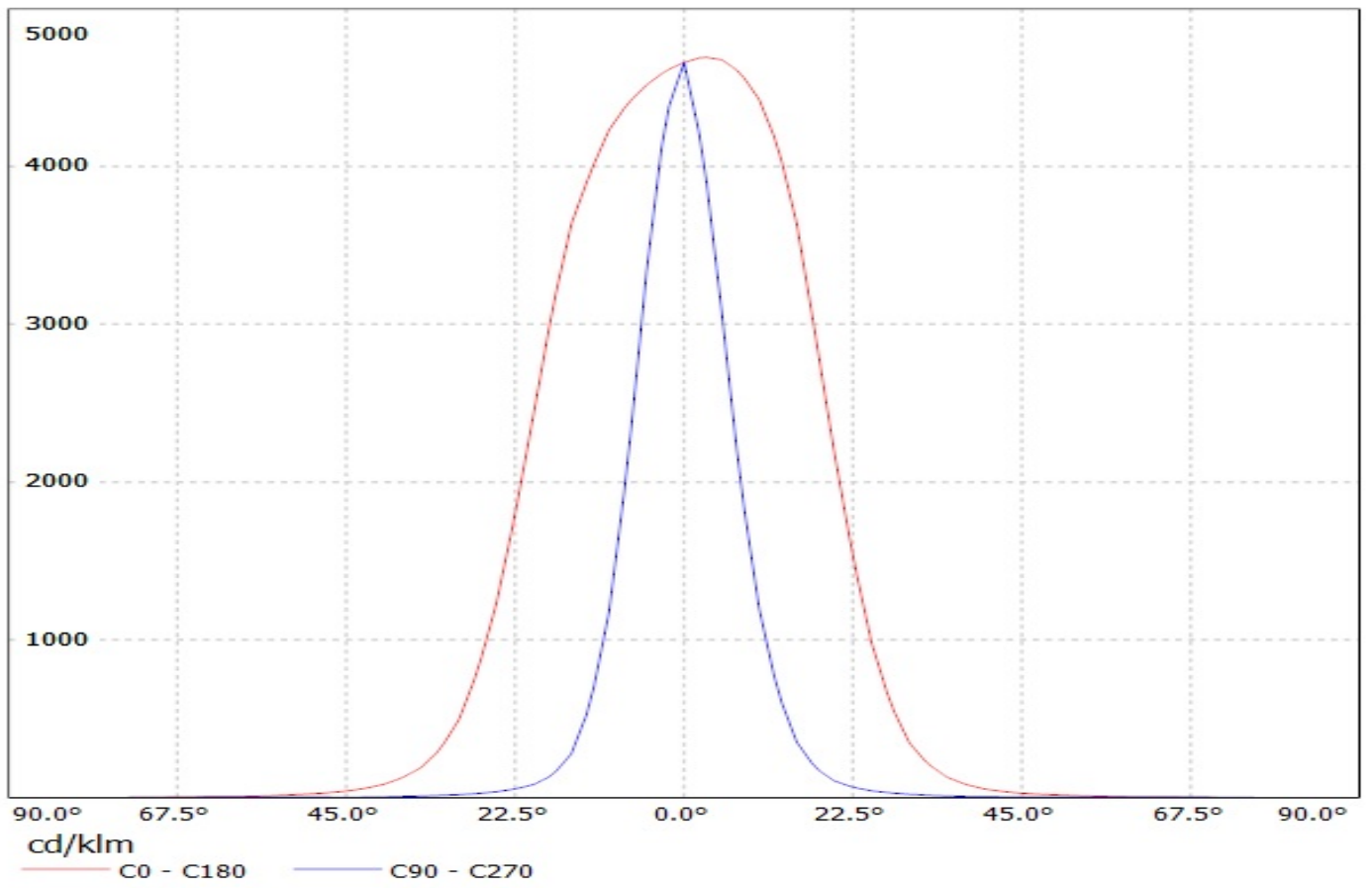


Luminaire: Ledil CA13631_G2-LAURA-O-P_(XP-L2)

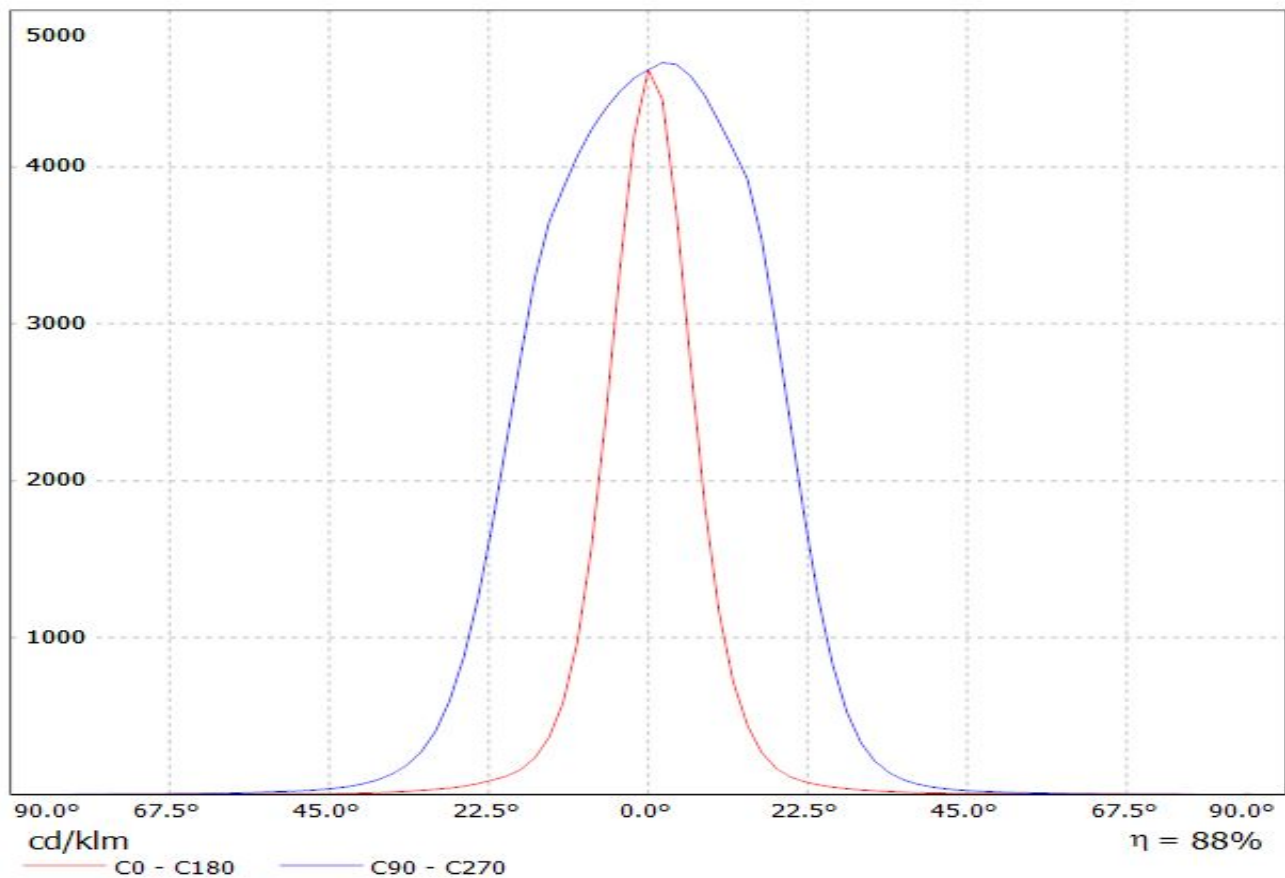
Lamps: 1 x Cree_XP-L2_(XPLWT-00-0000-000HU630G)_115.75lm@250mA_P=0.721375W_I=0.25A



Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(Luxeon T) Efficiency=90%
Lamps: 1 x Philips Lumileds Luxeon T (LXH8-FW30-3) 72.1lm @ 250mA CCT=3200K P=0.7W I=250mA

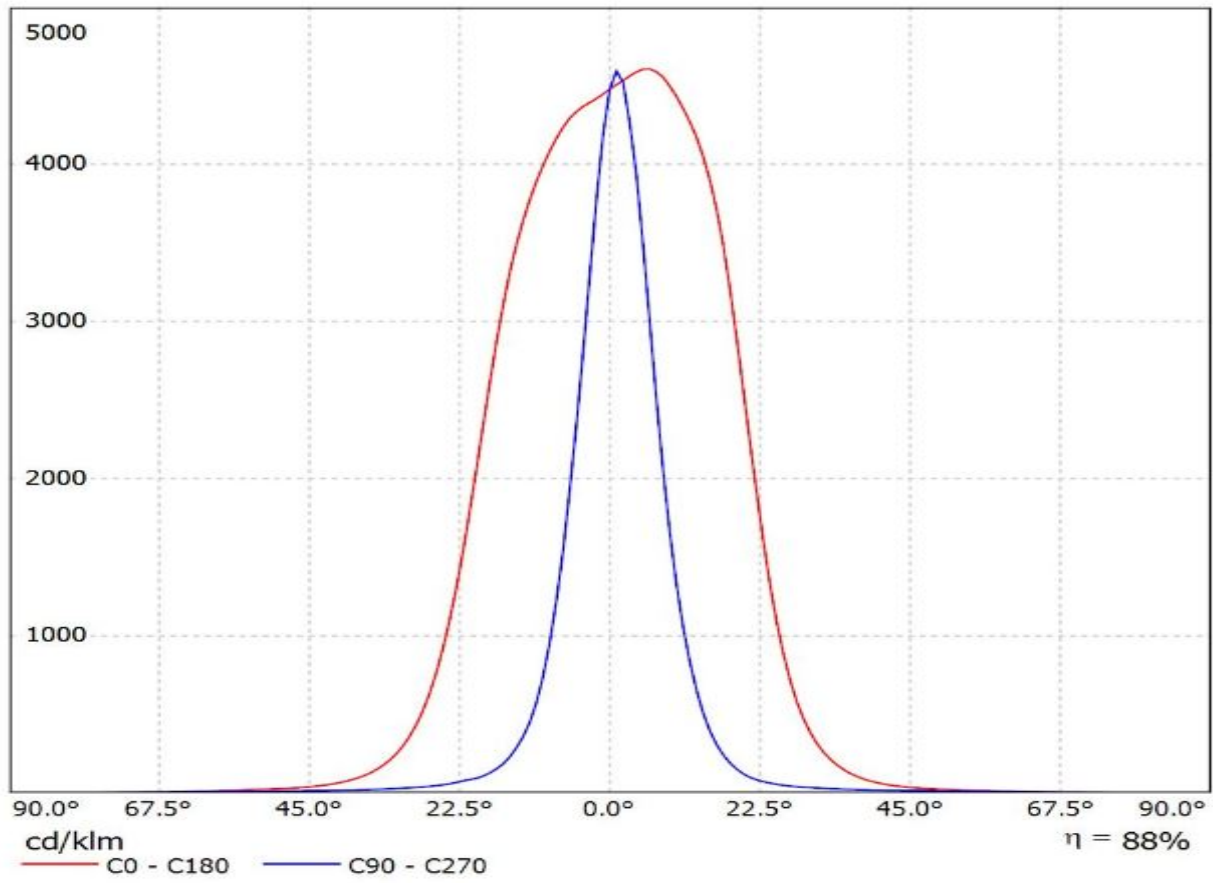


Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(Luxeon_TX) Efficiency=87%
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA

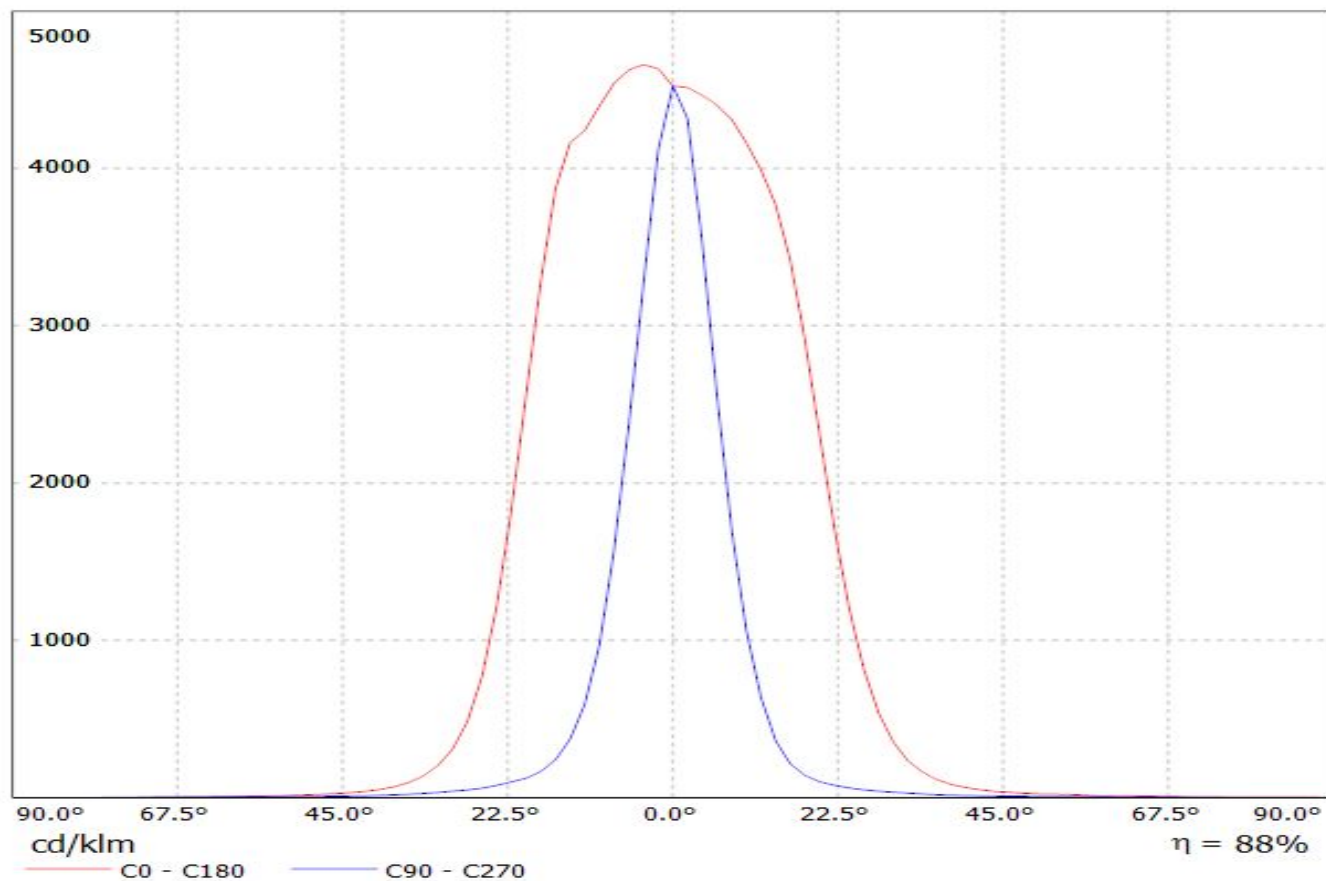


Luminaire: Ledil CA13631_G2-LAURA-O-P_(LUXEON_3030_2D)

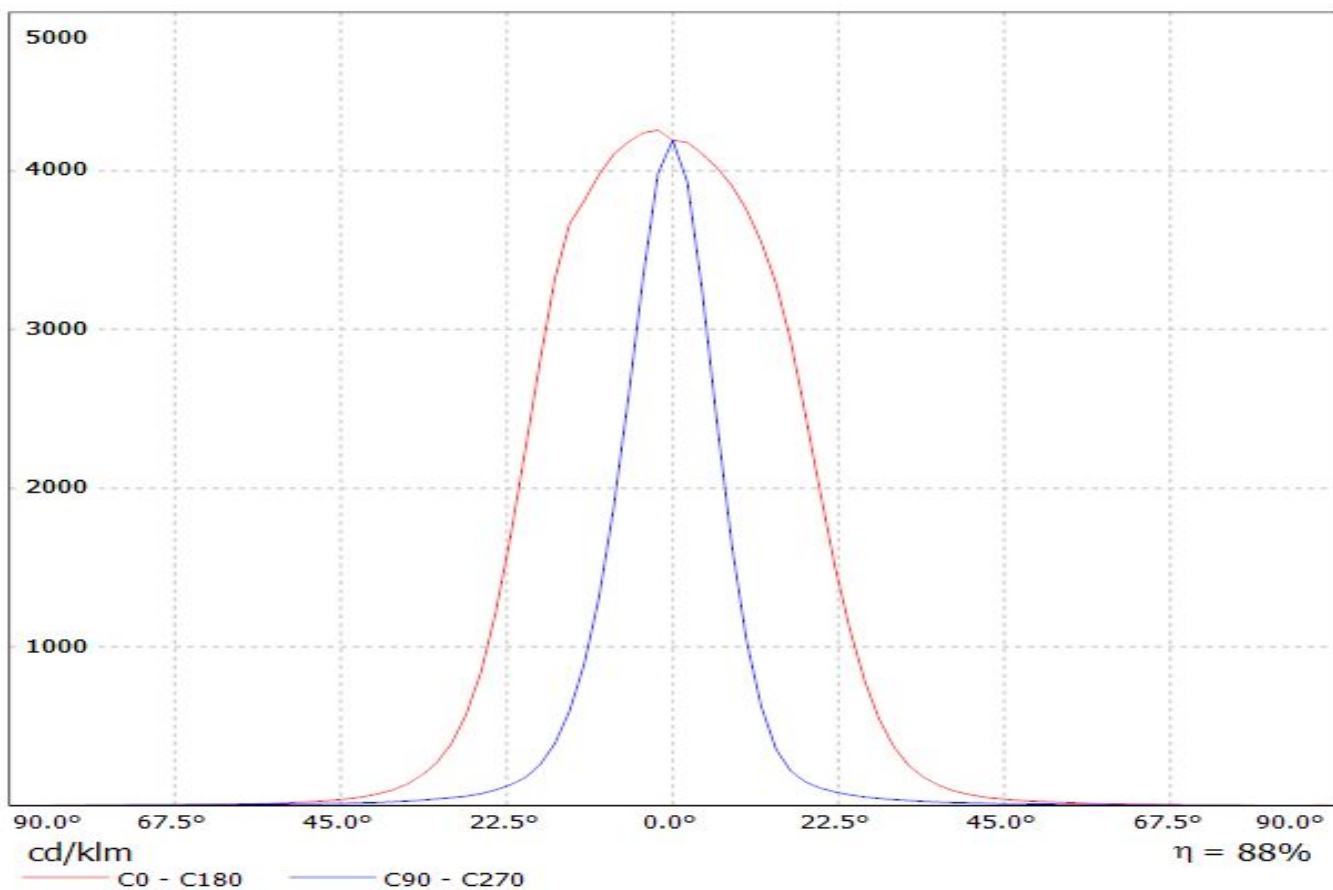
Lamps: 1 x LUXEON_3030_2D_(L130-5080)_73.2834lm@100mA_CCT=5000K_P=0.595784W_I=0.1A



Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(NCS19)
Lamps: 1 x Nichia NCSxx19A 67lm @ 250mA CCT= P=0.77W I=250mA

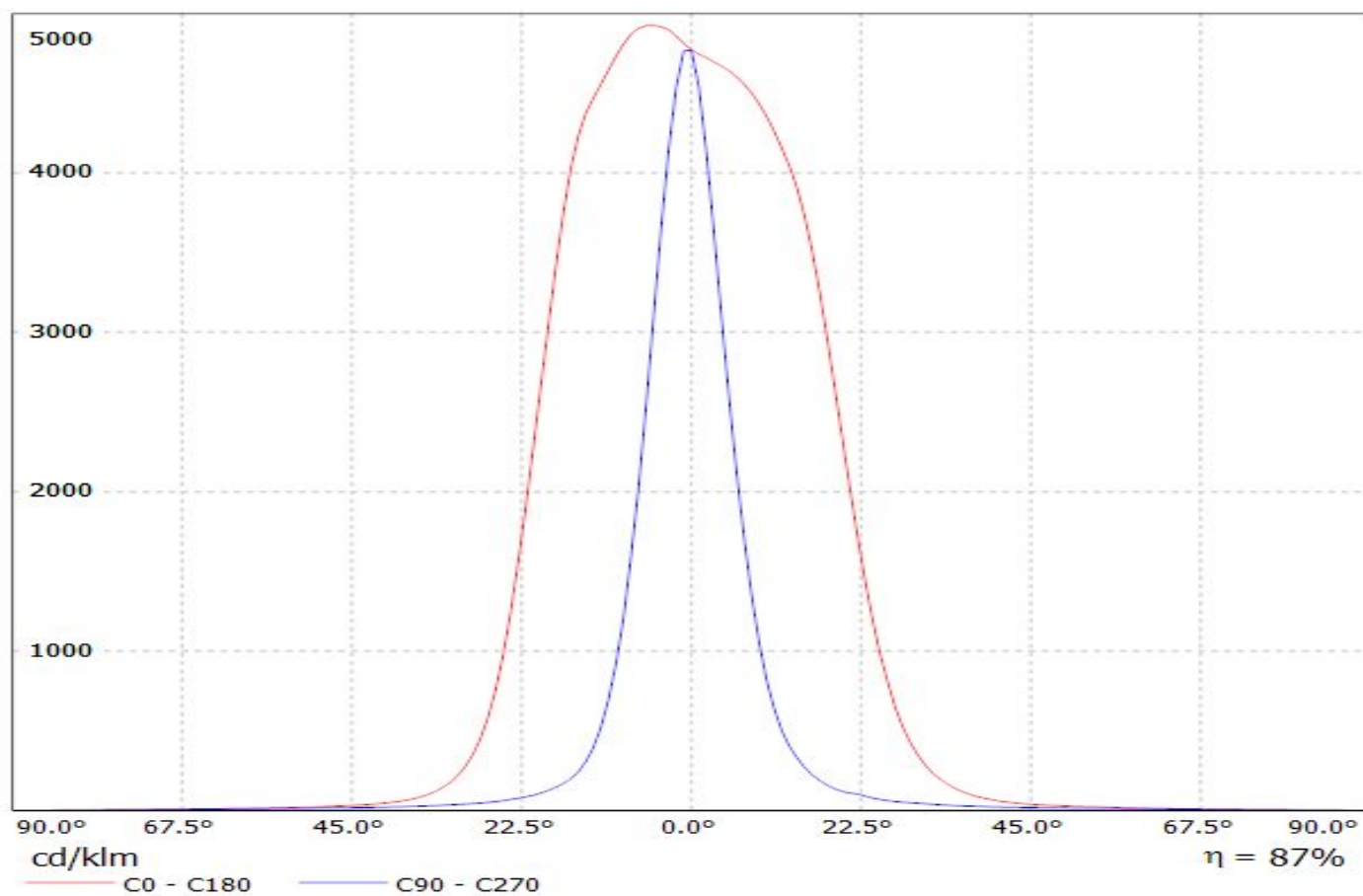


Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(NVS19)
Lamps: 1 x Nichia NVSxx19A 93lm @ 250mA CCT= P=0.75W I=250mA



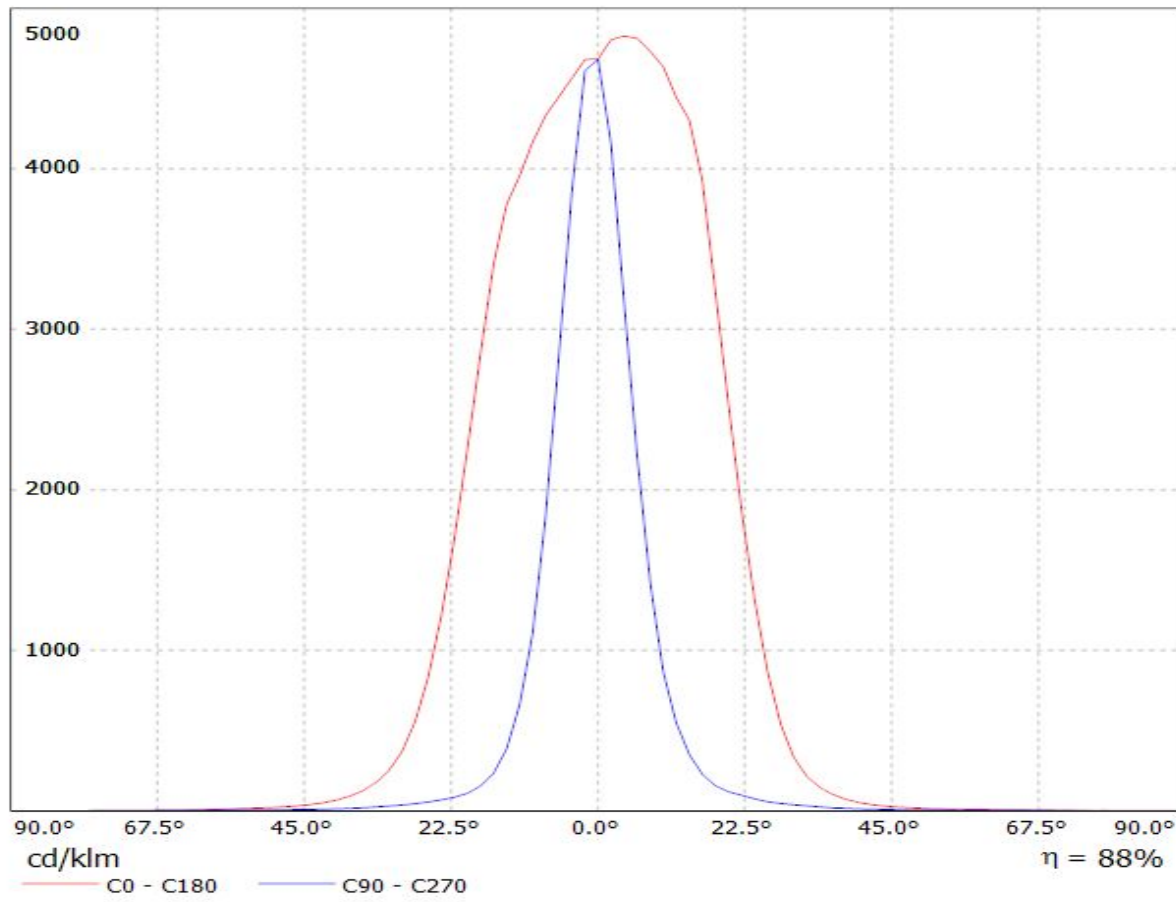
Luminaire: LEDiL Oy CA13631_G2-LAURA-O-P_(NCSxx19B)

Lamps: 1 x Nichia_NCSxx19B_(CSL119BE)_91.4047lm@250mA_P=0.795832W_I=0.2498A



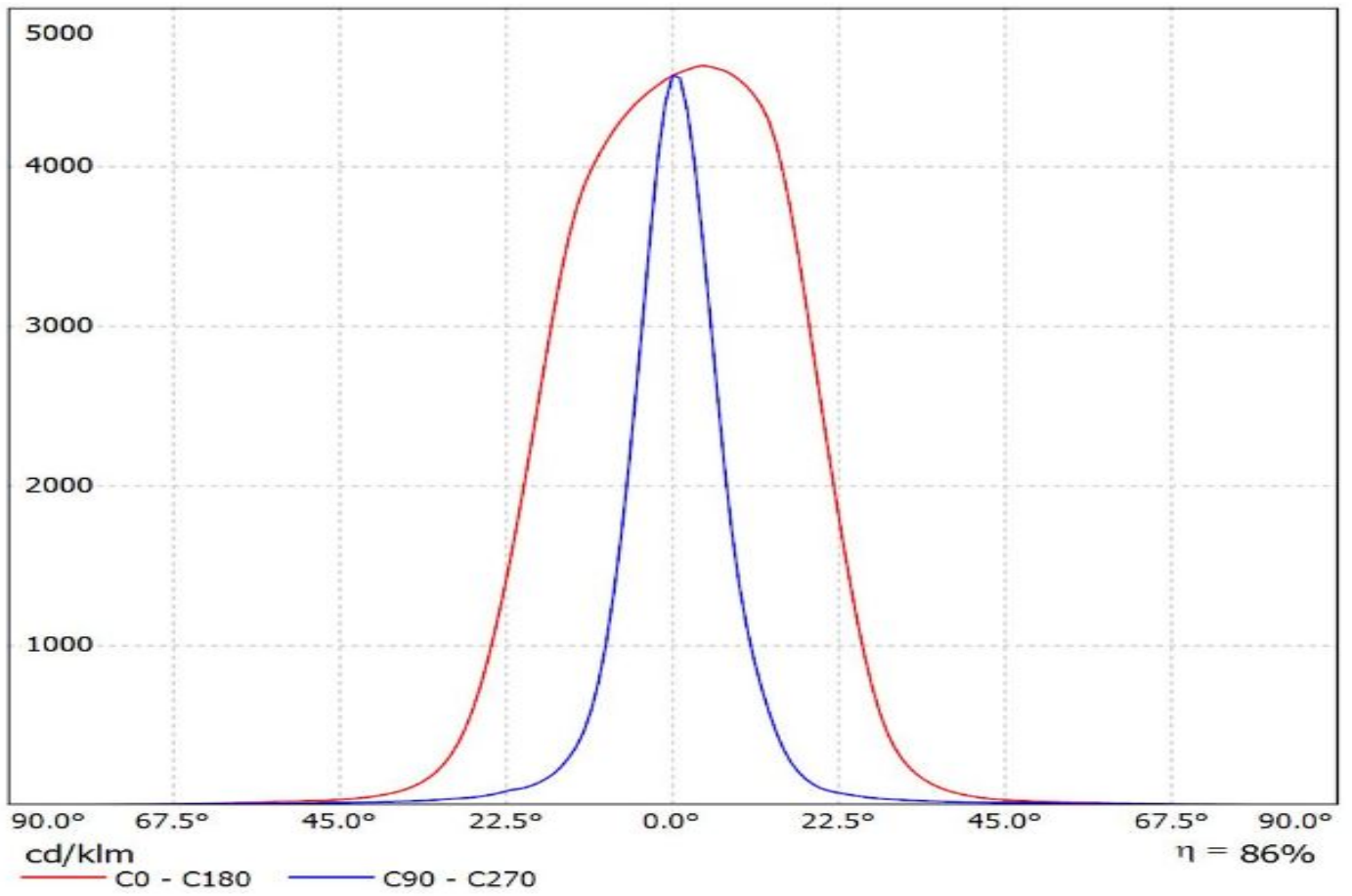
Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(Oslon_Square_EC)

Lamps: 1 x Osram Oslon Square EC (LCW CQAR-EC-MQMS-5R8T-35) 78lm @ 250mA CCT=3226K P=0.76W I=250mA

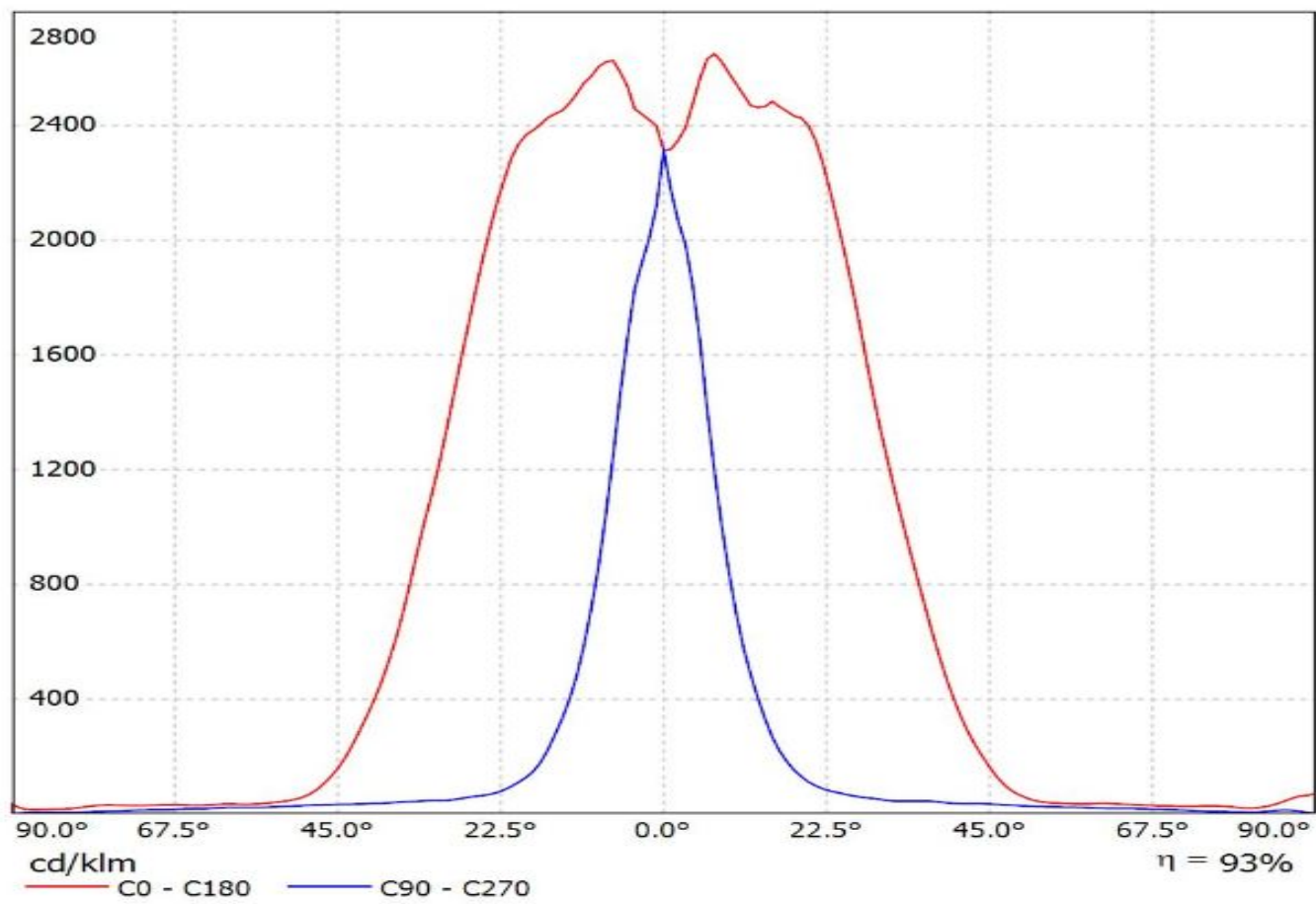


Luminaire: Ledil CA13631_G2-LAURA-O-P_(Z5M1)

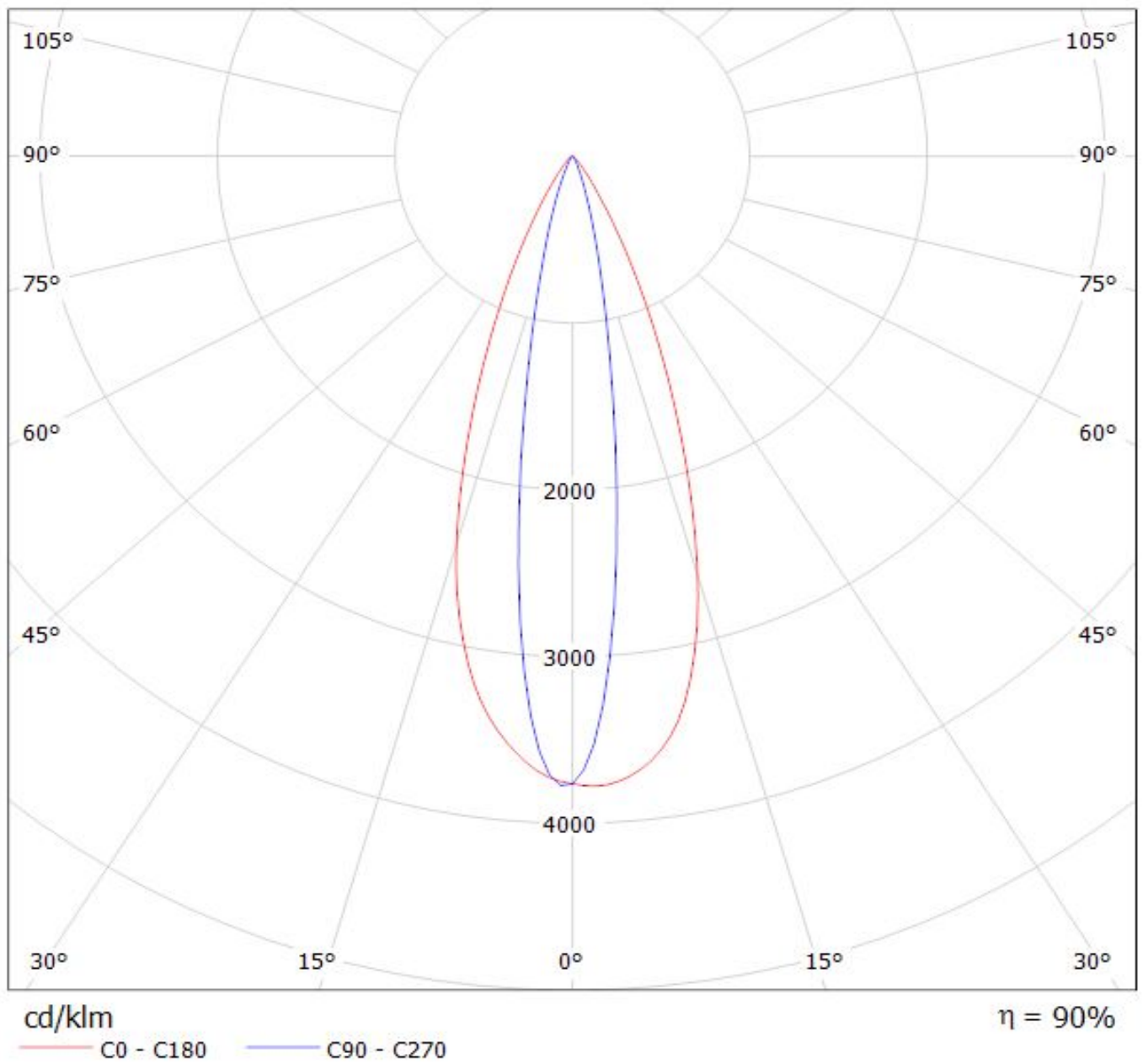
Lamps: 1 x Seoul_Z5M1_(SZ5-M1-W0-C8)_110.161lm@250mA_P=0.7398W_I=0.250A



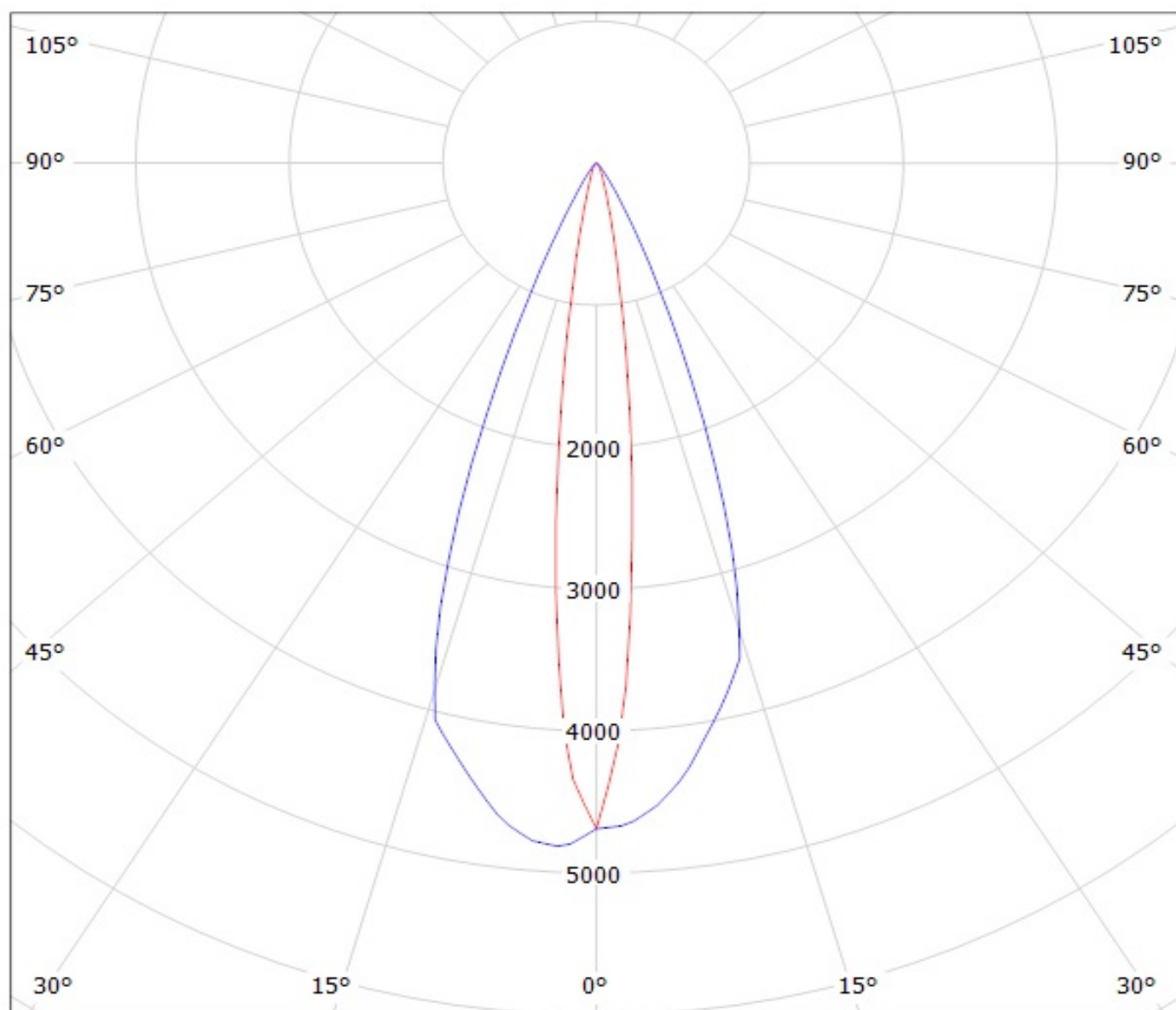
Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_Seoul_Z8Y22P_SIMULATED
Lamps: 1 x Seoul Z8Y22P



Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(XP-L) Efficiency=89%
Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA



Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(XB-D)
Lamps: 1 x Cree XB-D (97.2lm @ 250mA) P=0.8W I=250mA



cd/klm

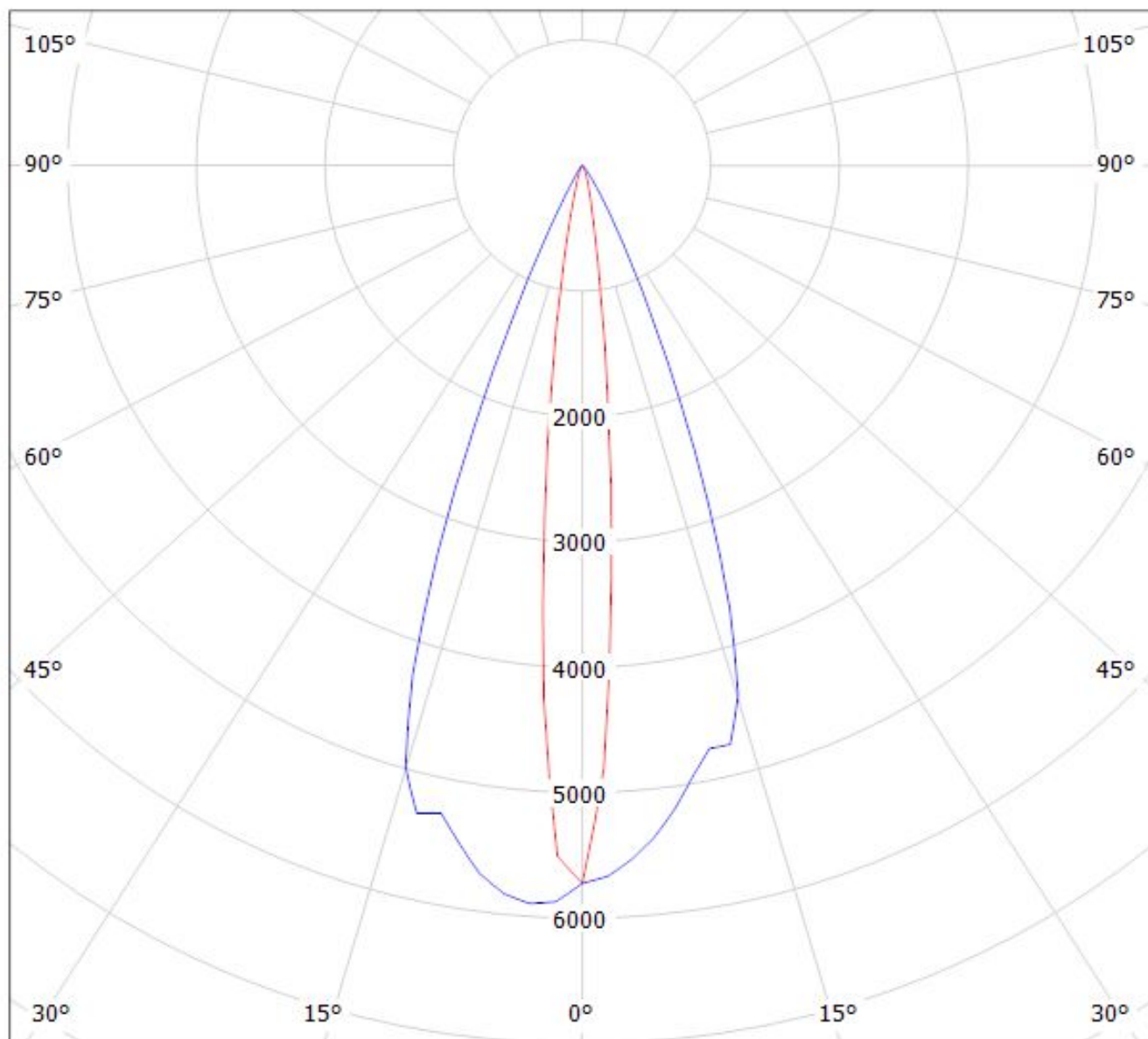
— C0 - C180

— C90 - C270

$\eta = 86\%$

Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(XP-E2)

Lamps: 1 x Cree XP-E2 (XPEBWT-L1-7B4-Q4-0-01) 79lm @ 250mA CCT= P=0.75W I=250mA



cd/klm

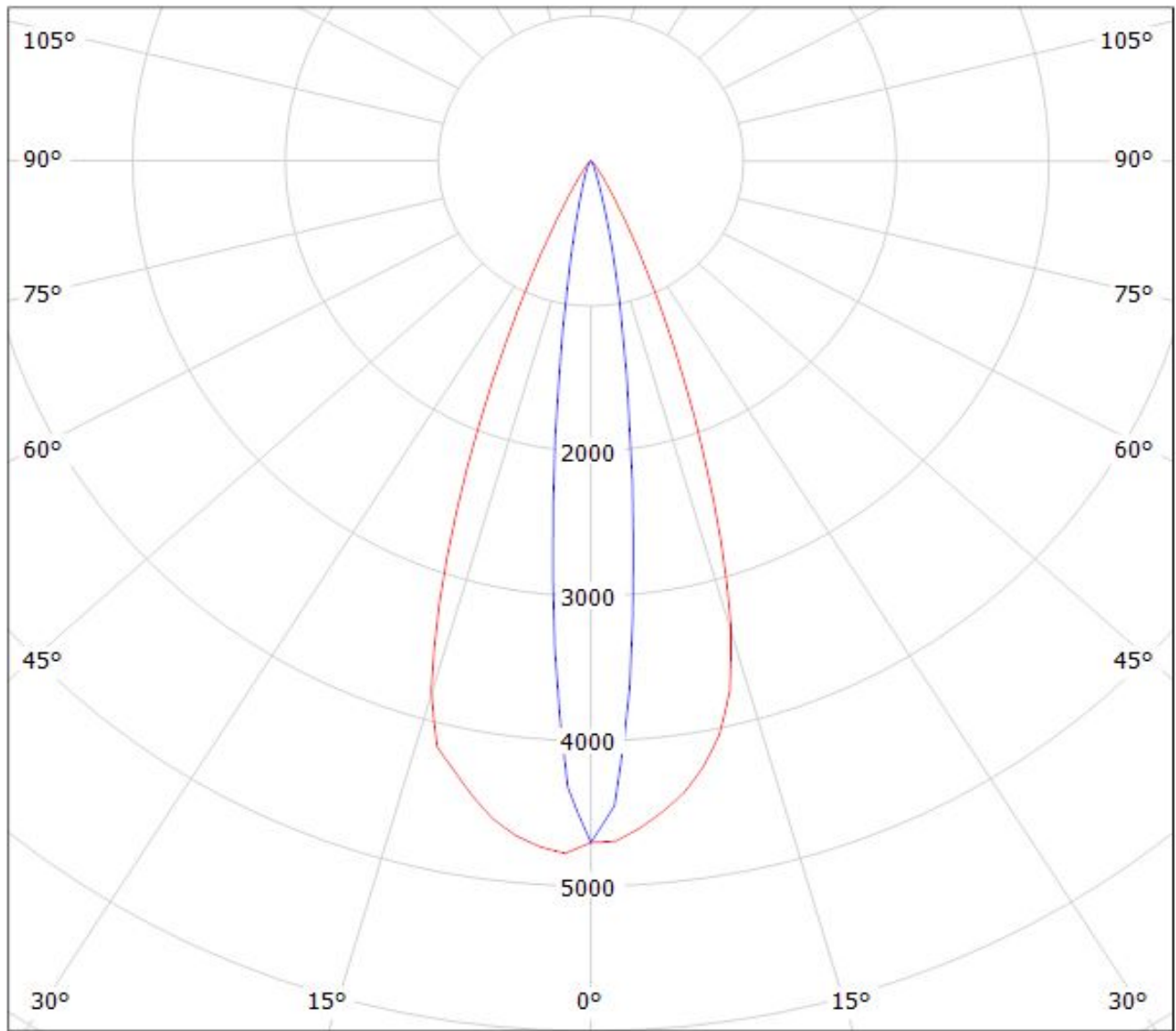
— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(XP-G2)

Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 100lm @ 250mA CCT=4934K P=0.75W I=250mA



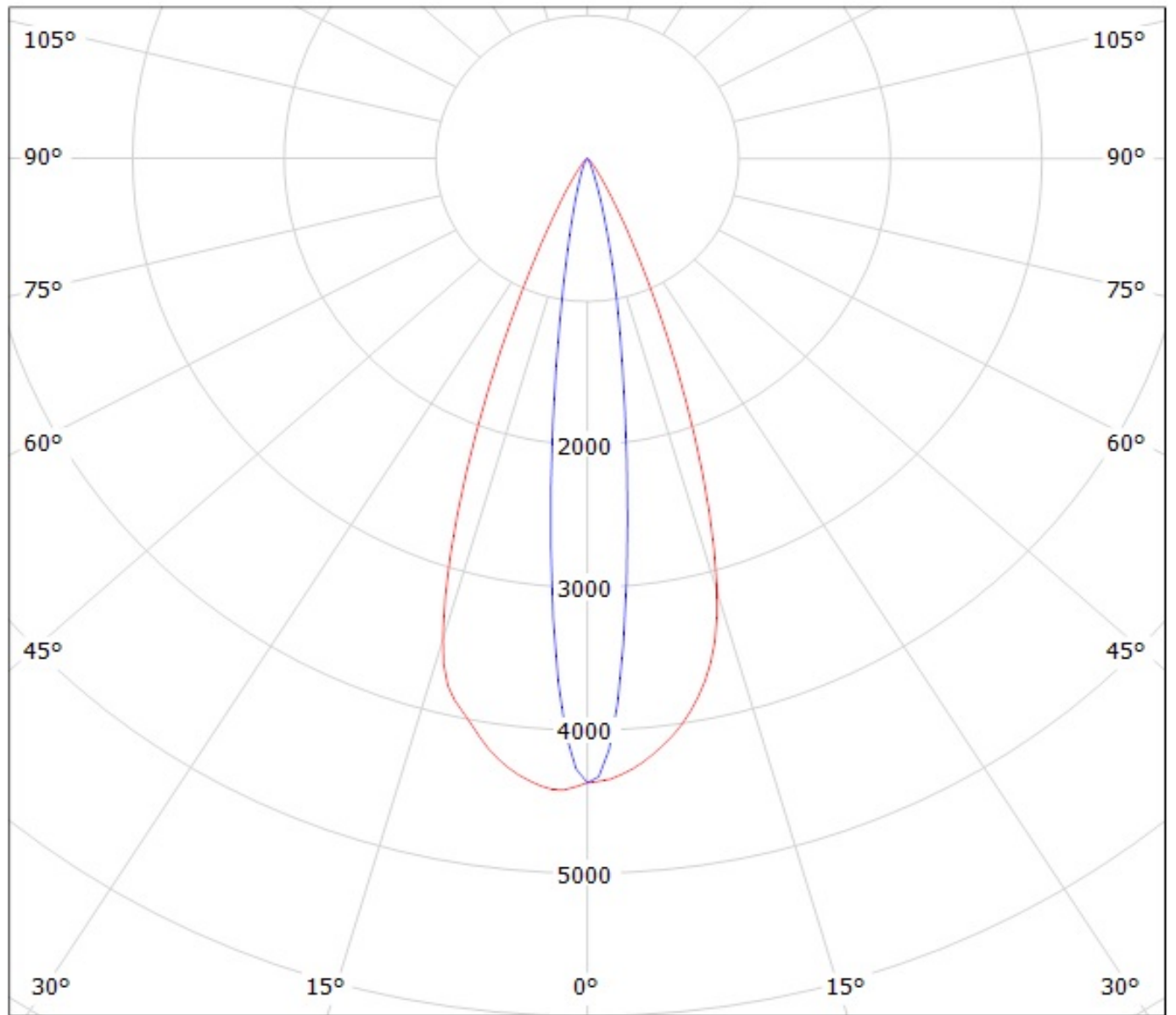
cd/klm

$\eta = 88\%$

— C0 - C180 — C90 - C270

Luminaire: LEDil Oy CA13631_G2-LAURA-O-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

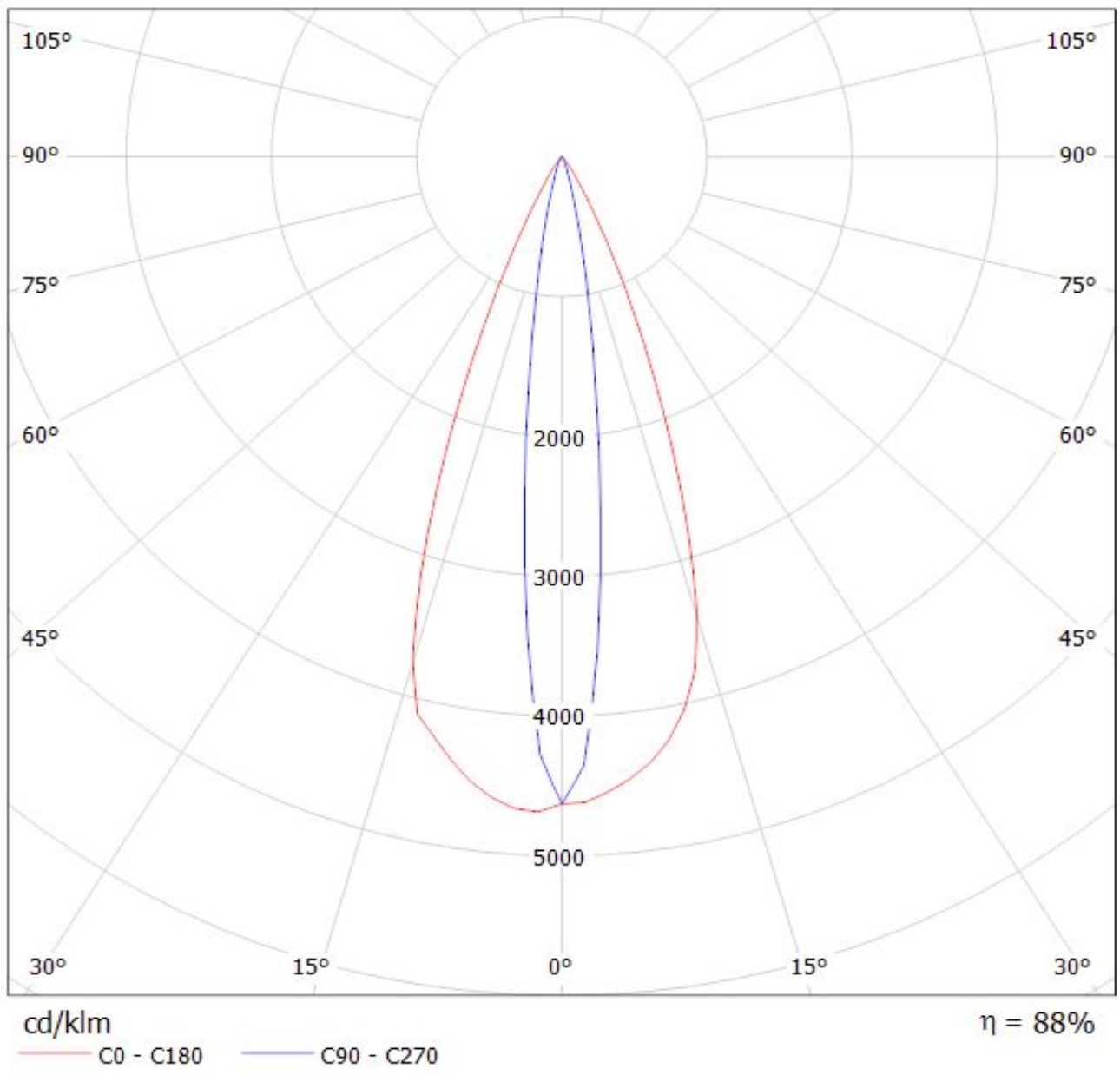
$\eta = 87\%$

— C0 - C180

— C90 - C270

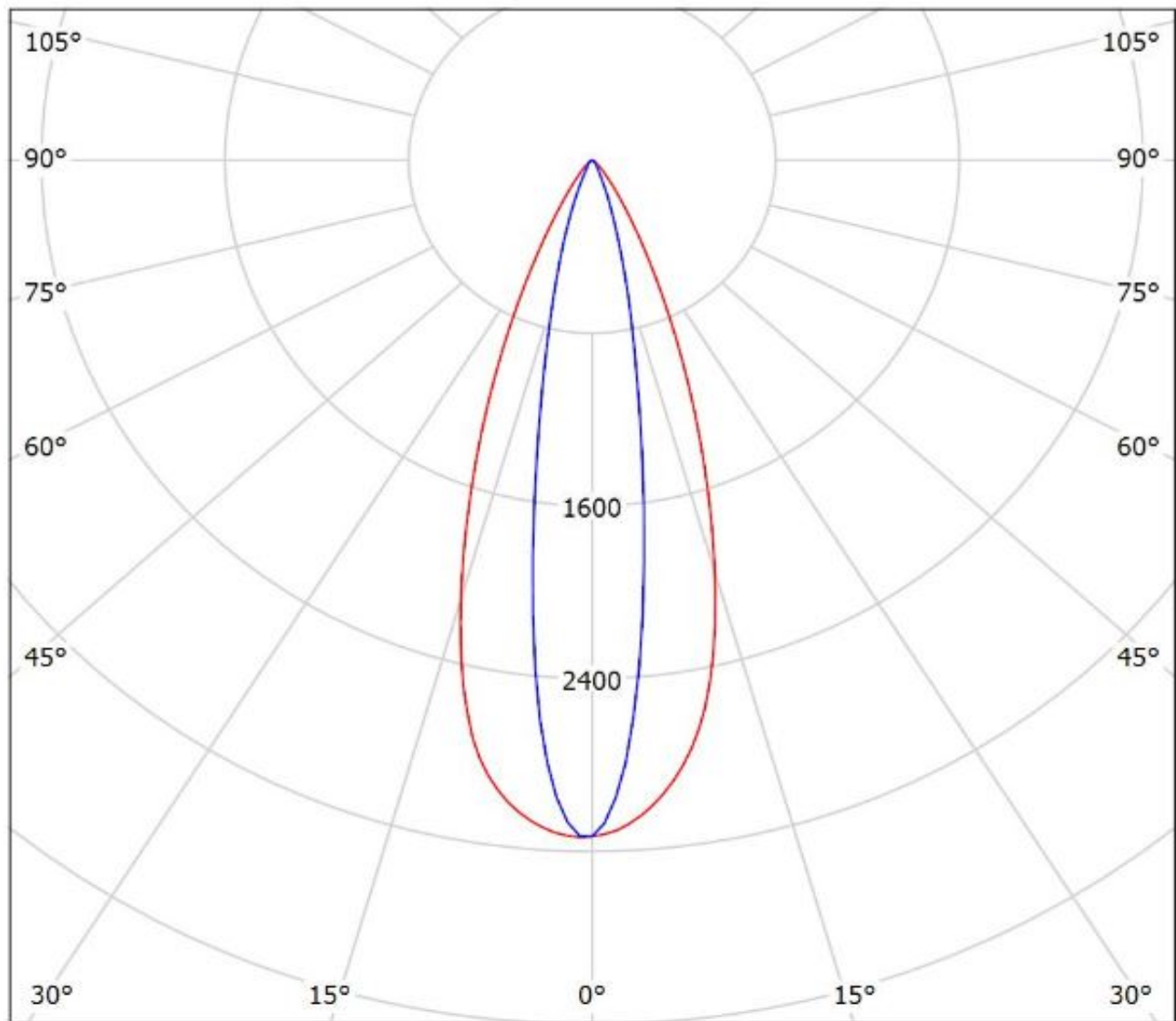
Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(XB-H)

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



Luminaire: Ledil CA13631_G2-LAURA-O-P_(XP-L2)

Lamps: 1 x Cree_XP-L2_(XPLWT-00-0000-000HU630G)_115.75lm@250mA_P=0.721375W_I=0.25A

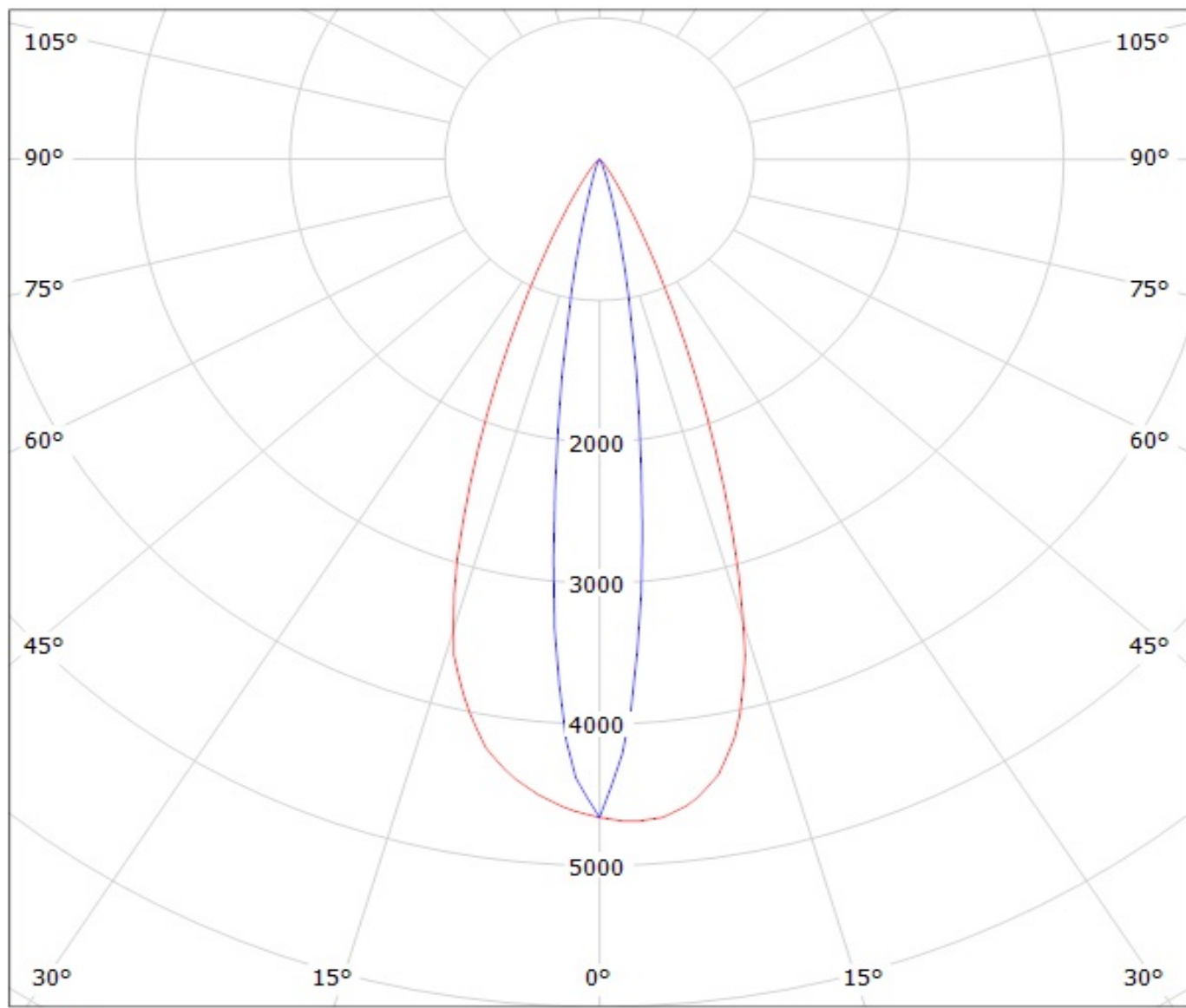


cd/klm

— C0 - C180 — C90 - C270

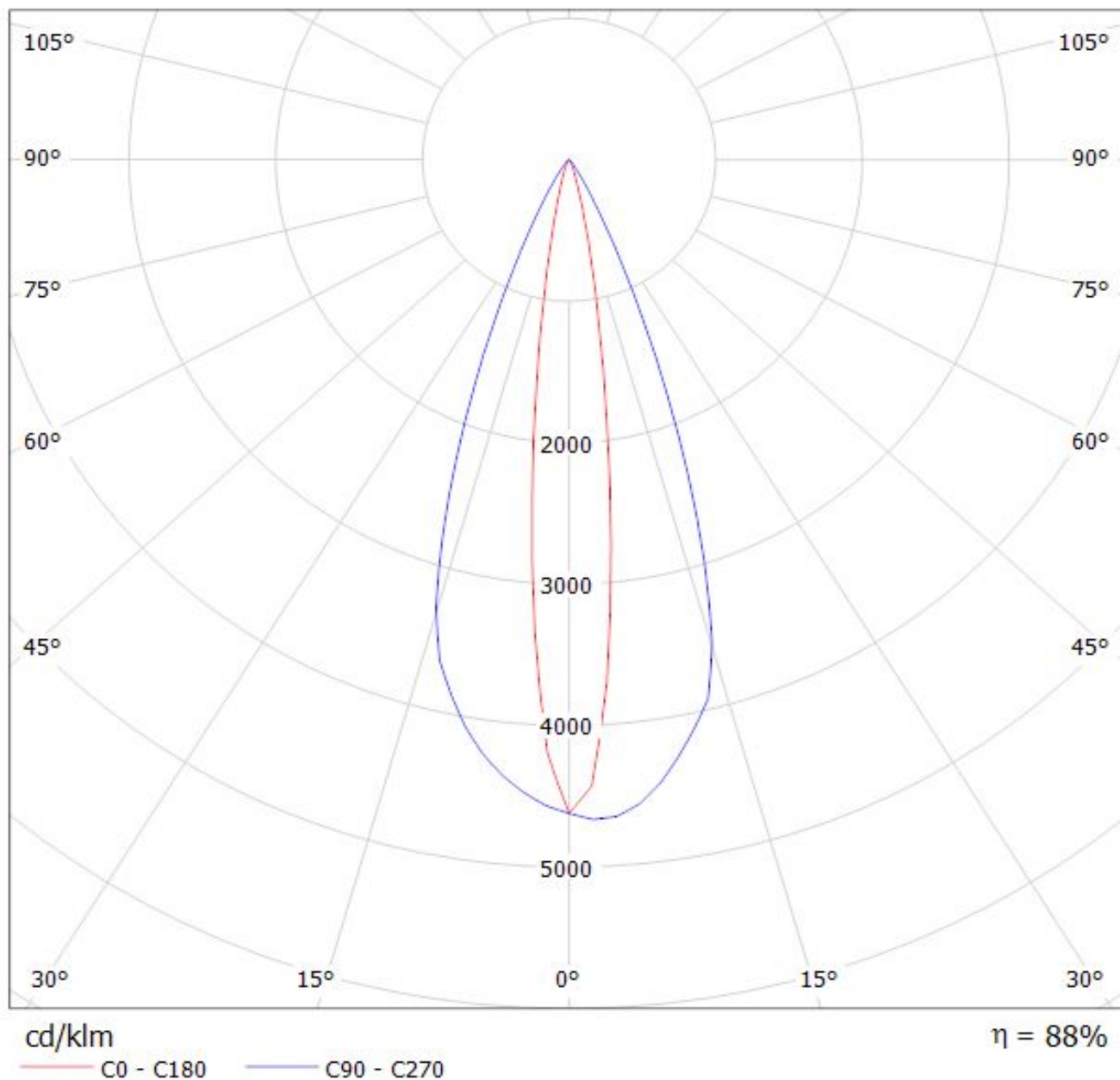
$\eta = 84\%$

Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(Luxeon T) Efficiency=90%
Lamps: 1 x Philips Lumileds Luxeon T (LXH8-FW30-3) 72.1lm @ 250mA CCT=3200K P=0.7W I=250mA



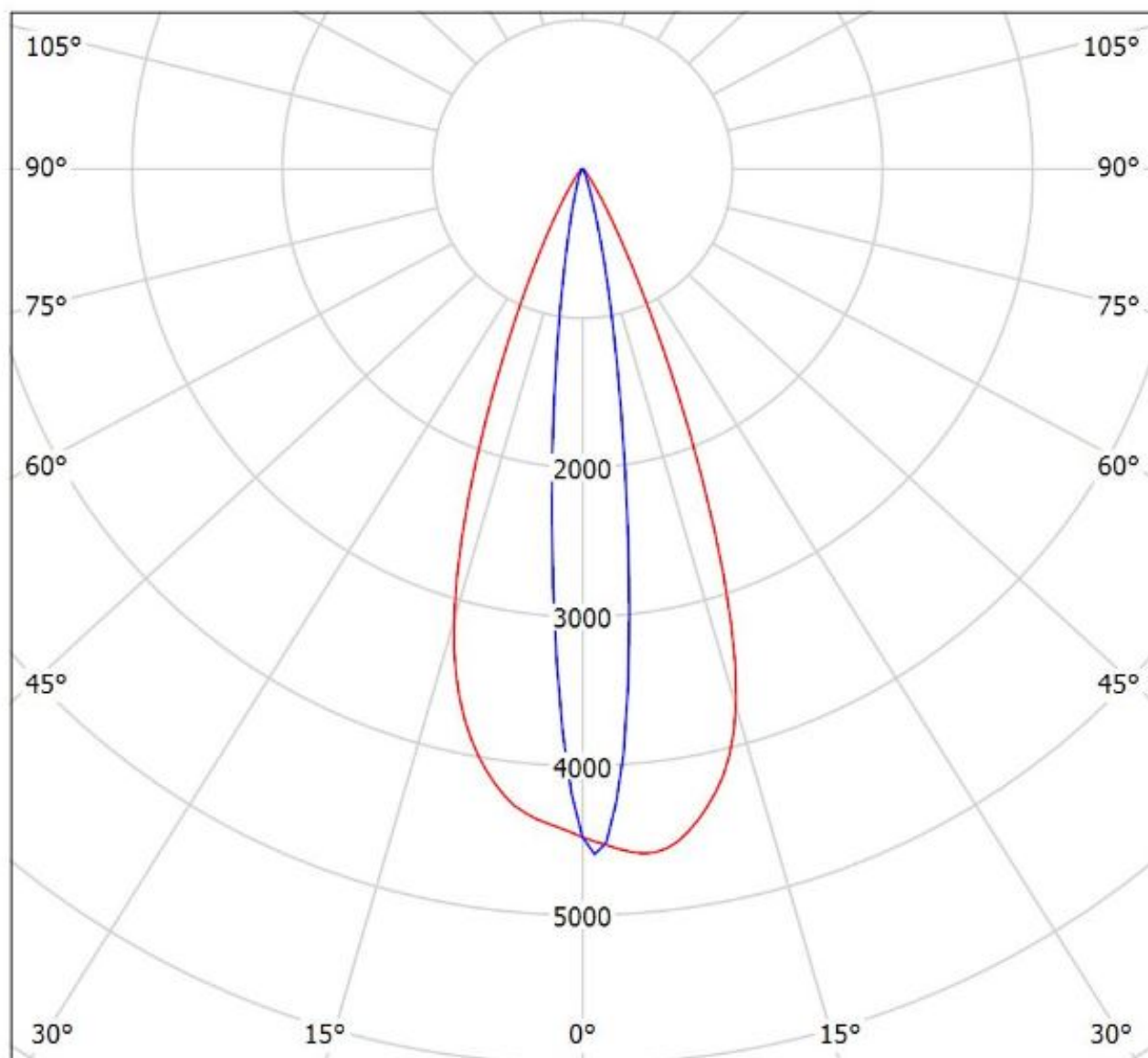
cd/klm
— C0 - C180 — C90 - C270

Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(Luxeon_TX) Efficiency=87%
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA



Luminaire: Ledil CA13631_G2-LAURA-O-P_(LUXEON_3030_2D)

Lamps: 1 x LUXEON_3030_2D_(L130-5080)_73.2834lm@100mA_CCT=5000K_P=0.595784W_I=0.1A

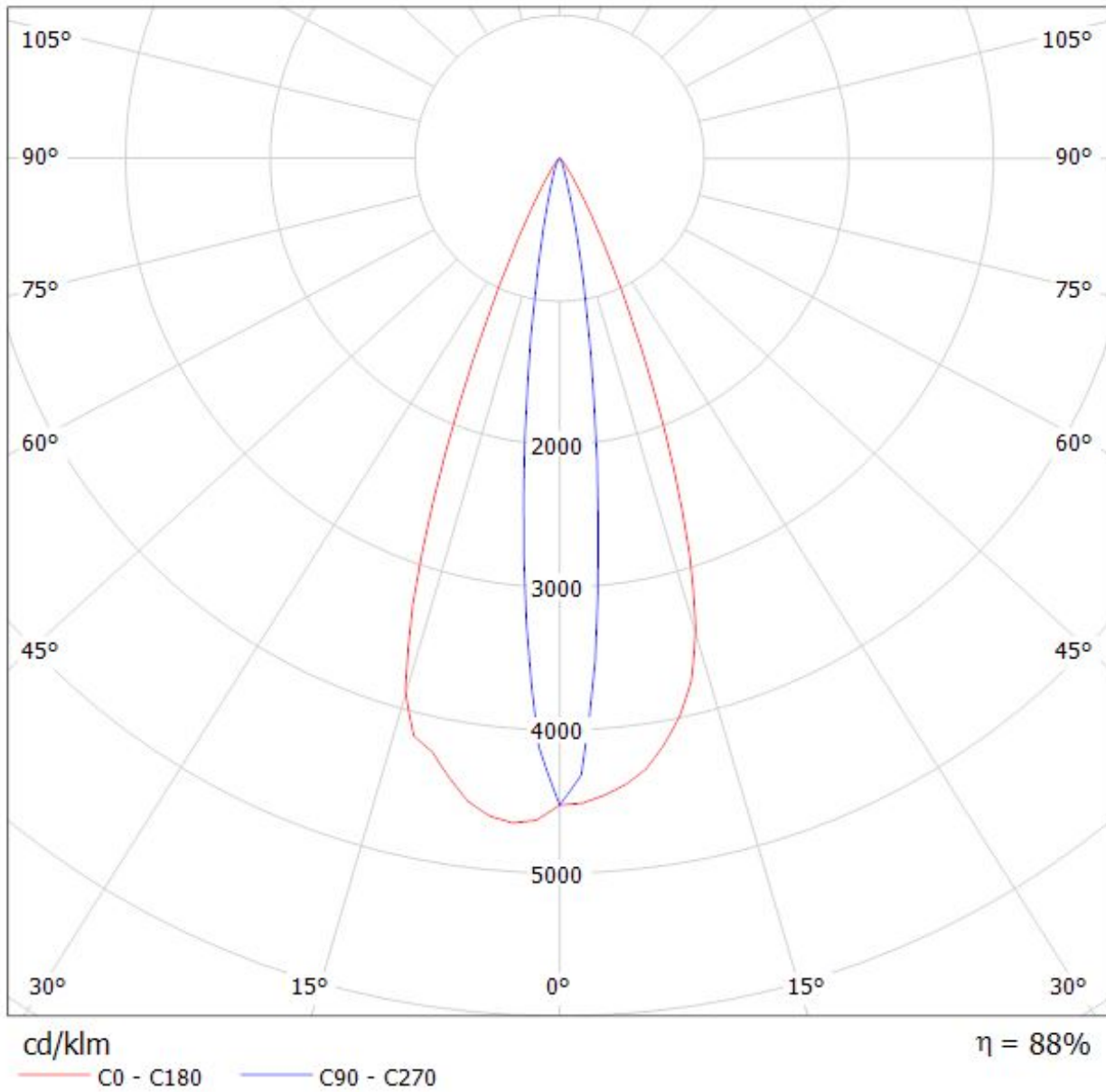


cd/klm

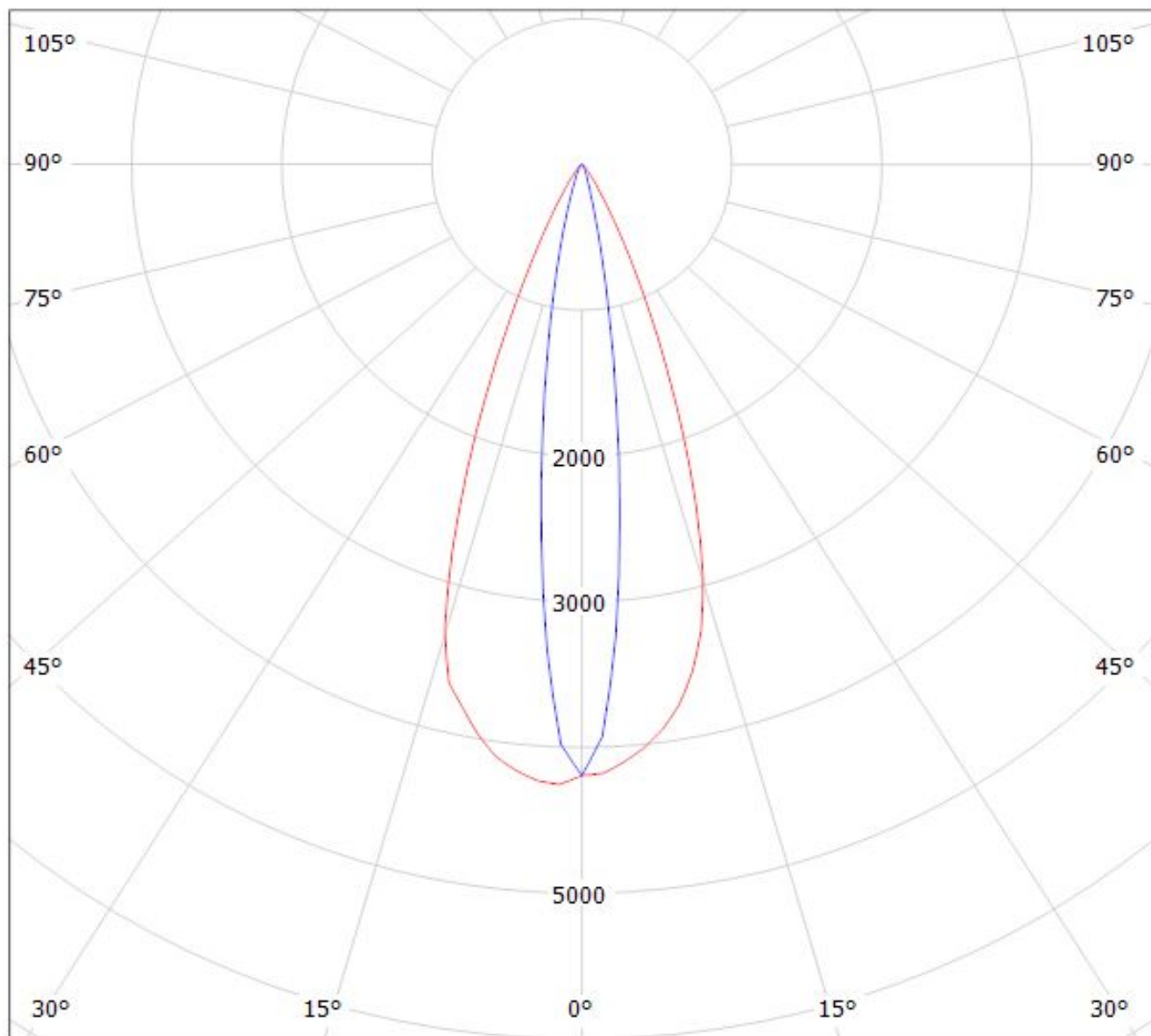
— C0 - C180 — C90 - C270

$\eta = 88\%$

Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(NCS19)
Lamps: 1 x Nichia NCSxx19A 67lm @ 250mA CCT= P=0.77W I=250mA



Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(NVS19)
Lamps: 1 x Nichia NVSxx19A 93lm @ 250mA CCT= P=0.75W I=250mA



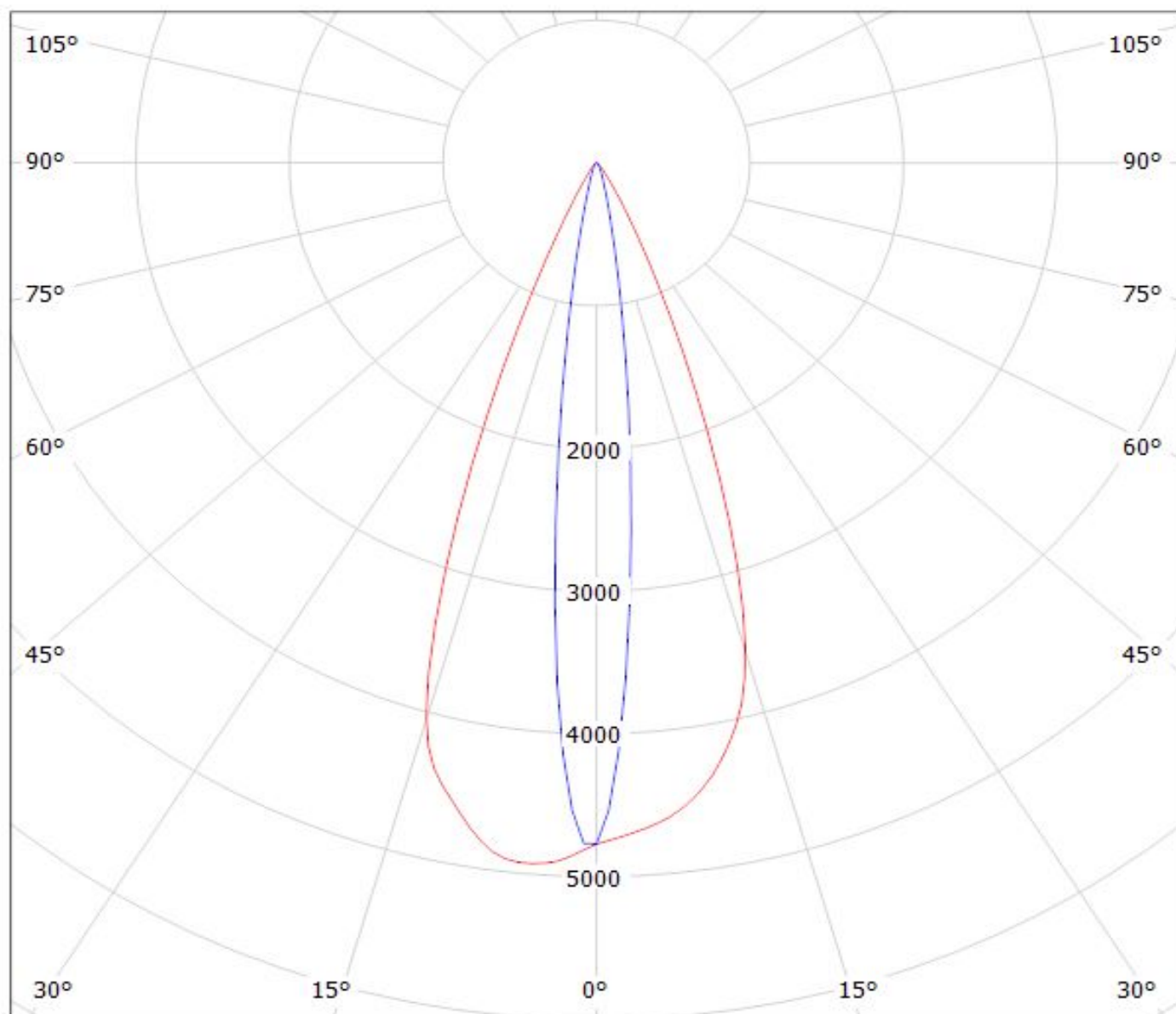
cd/klm

— C0 - C180 — C90 - C270

$\eta = 88\%$

Luminaire: LEDiL Oy CA13631_G2-LAURA-O-P_(NCSxx19B)

Lamps: 1 x Nichia_NCSxx19B_(CSL119BE)_91.4047lm@250mA_P=0.795832W_I=0.2498A



cd/klm

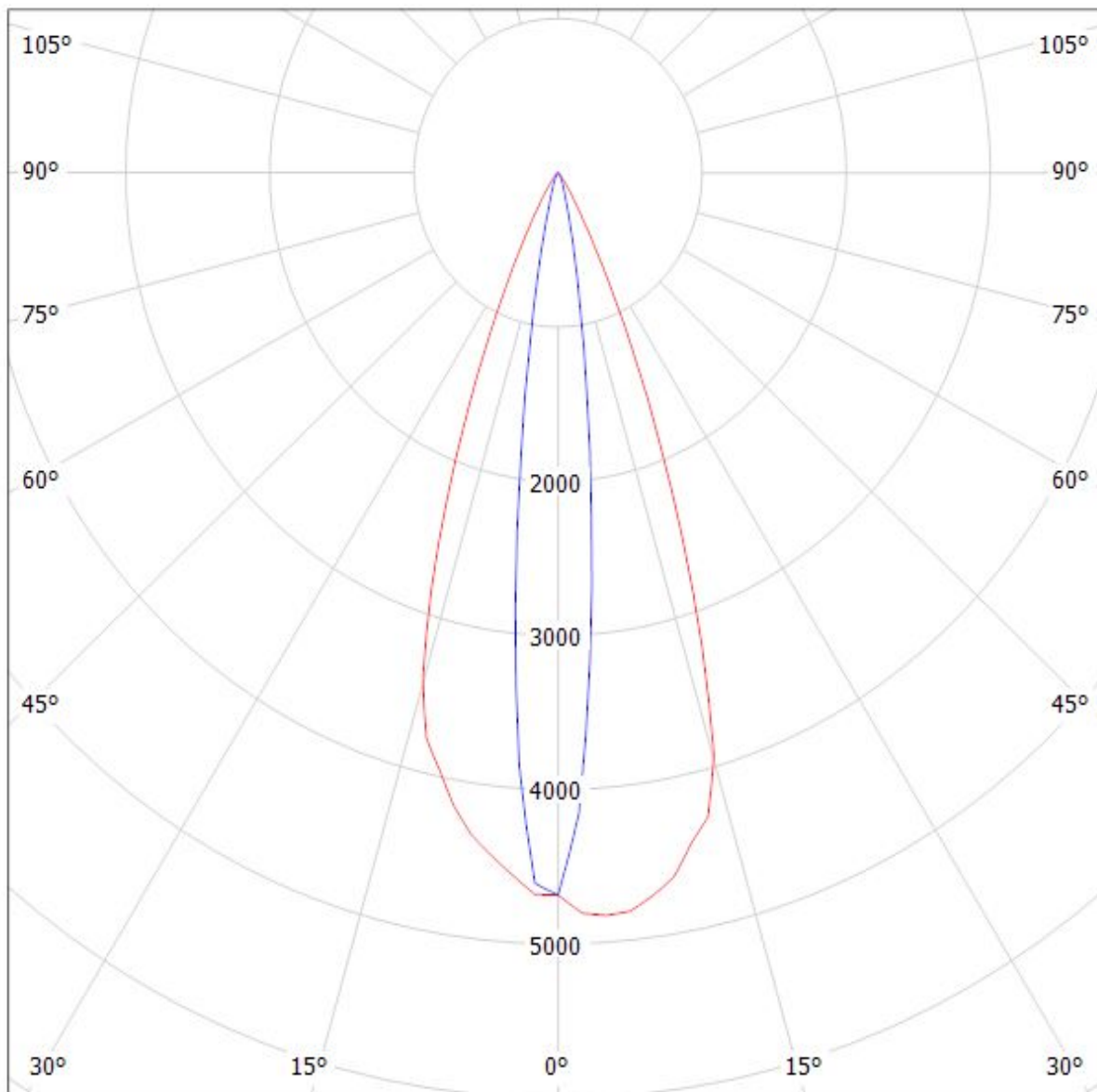
$\eta = 87\%$

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(Oslon_Square_EC)

Lamps: 1 x Osram Oslon Square EC (LCW CQAR-EC-MQMS-5R8T-35) 78lm @ 250mA CCT=3226K P=0.76W I=250mA

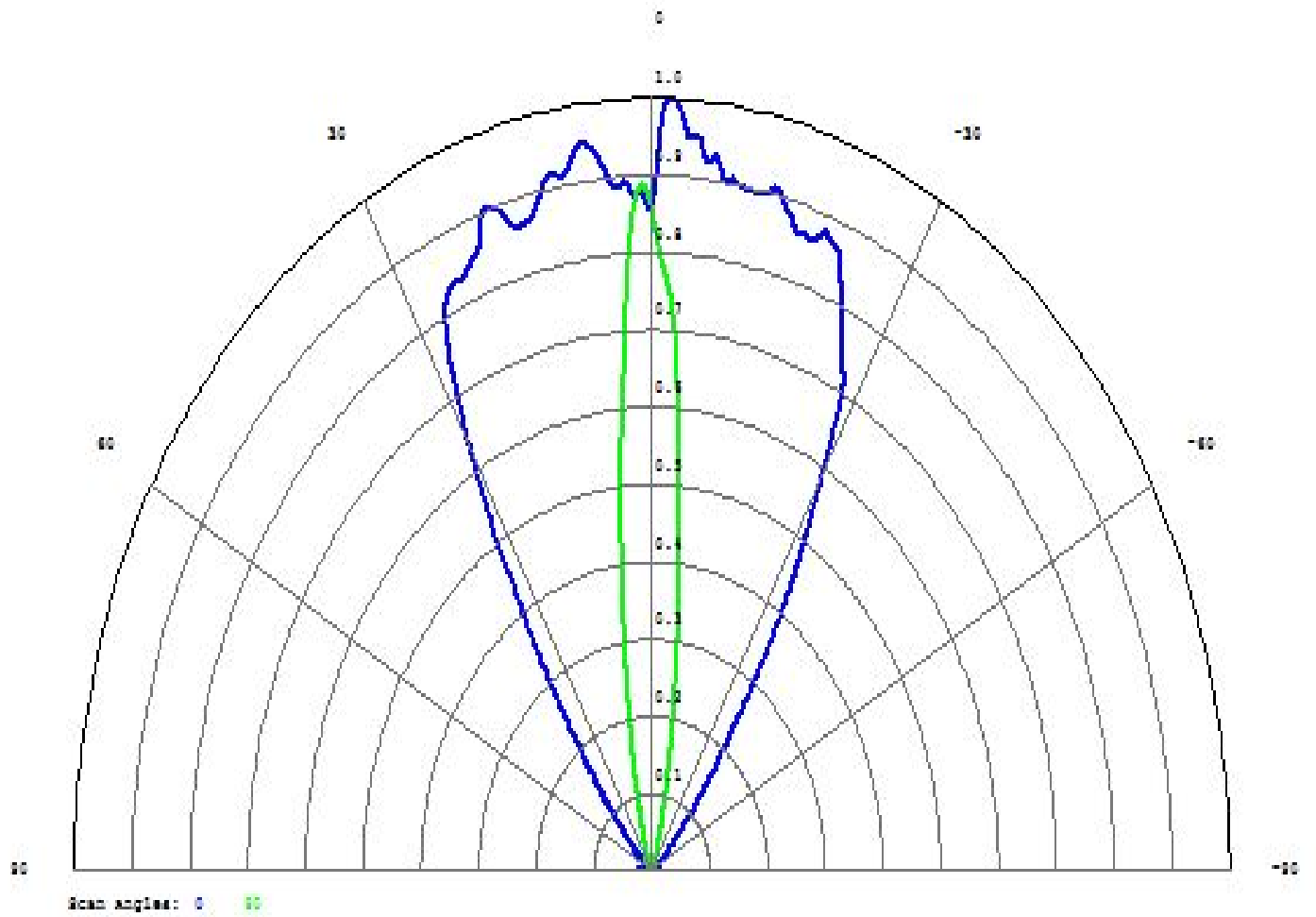


cd/klm

— C0 - C180

— C90 - C270

$\eta = 88\%$



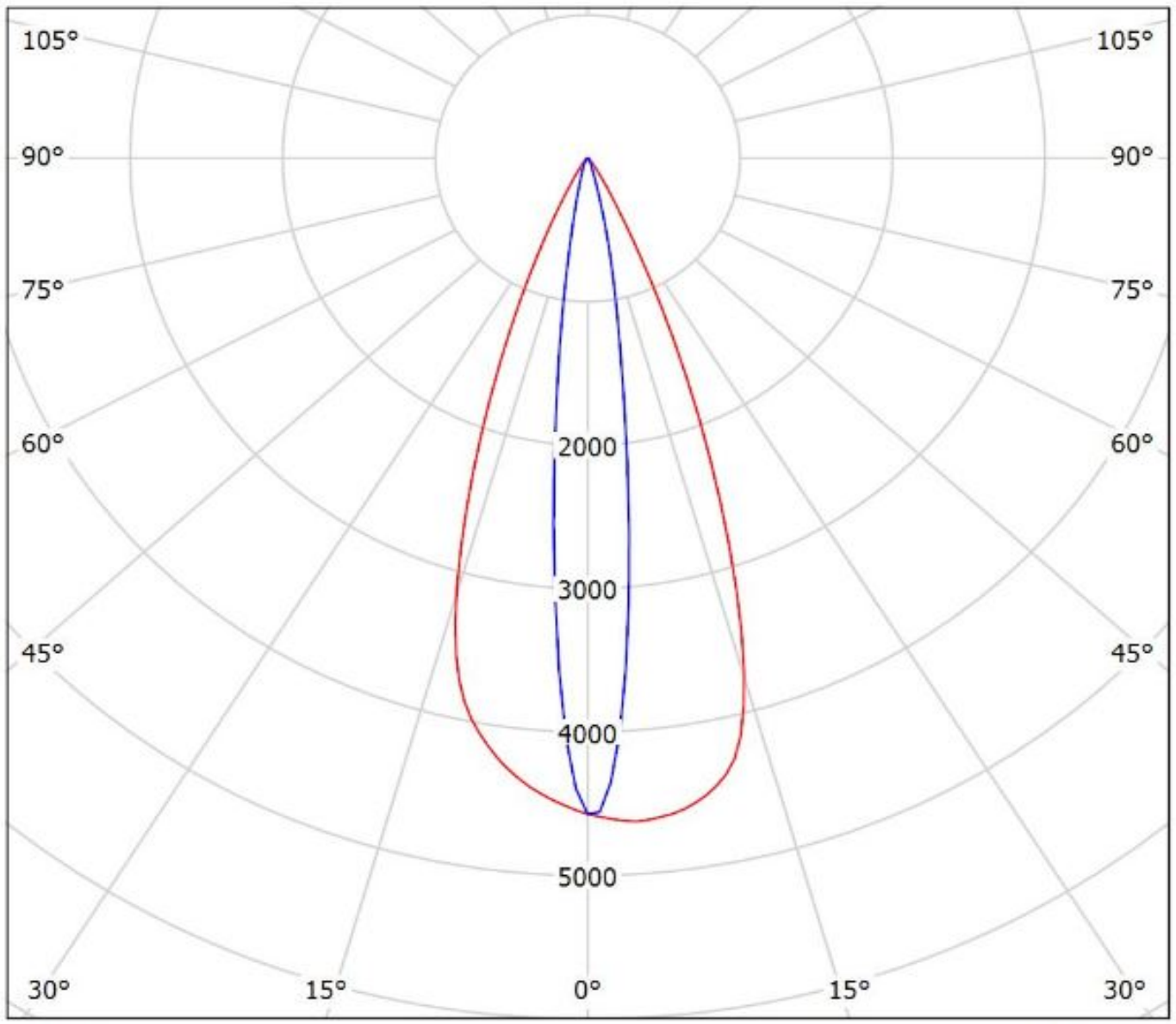
Detector Image: Radiant Intensity

8.4.2016
 Detector 3, NSCG Surface 1:
 Scan Angles: 0, 90
 Peak Intensity : 2.721E+000 Watts/Steradian

CA13631 G2-LAURA-O-P SFH 47705.ZMX
 Configuration 1 of 1

Luminaire: Ledil CA13631_G2-LAURA-O-P_(Z5M1)

Lamps: 1 x Seoul_Z5M1_(SZ5-M1-W0-C8)_110.161lm@250mA_P=0.7398W_I=0.250A

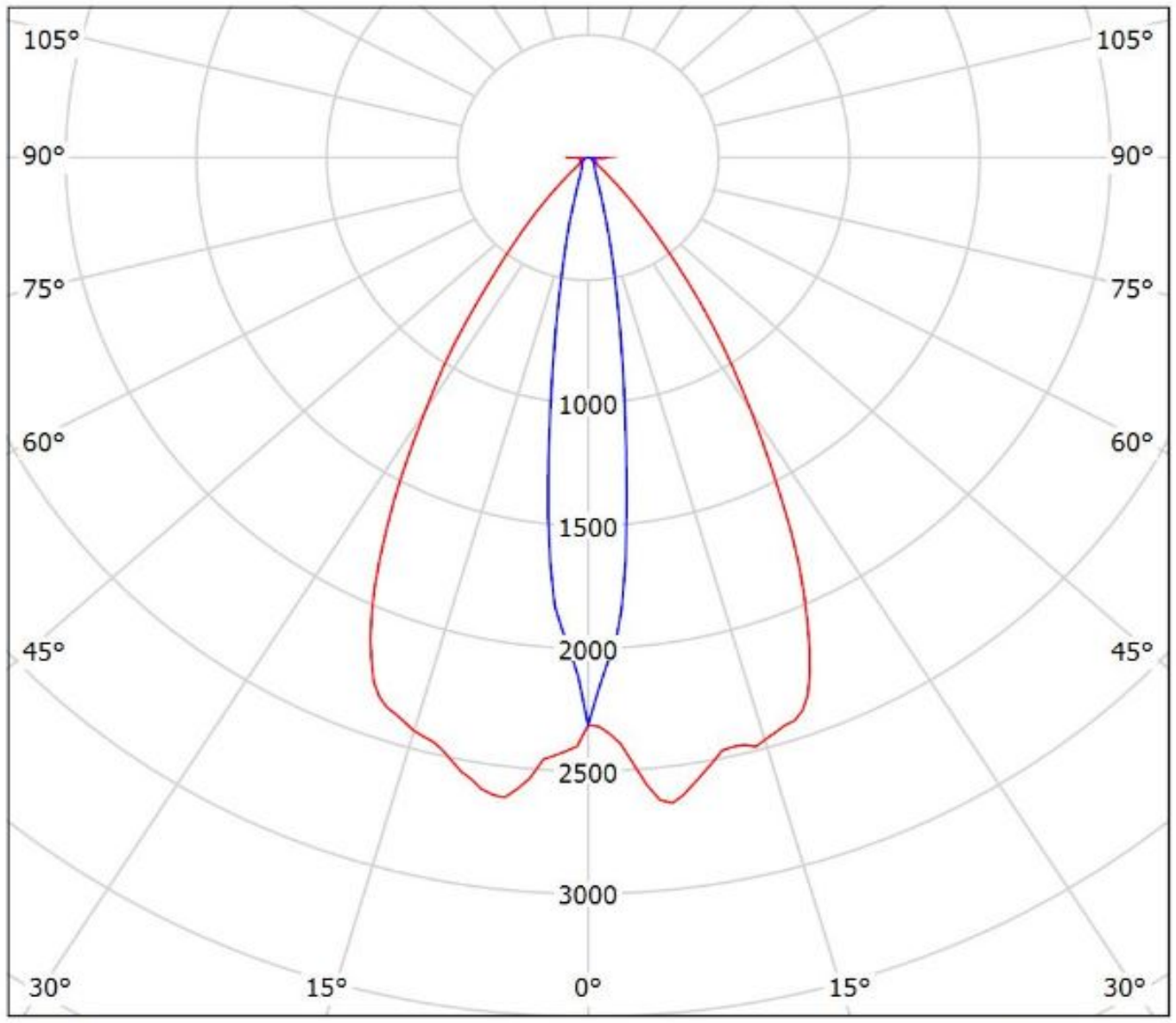


cd/klm

— C0 - C180 — C90 - C270

$\eta = 86\%$

Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_Seoul_Z8Y22P_SIMULATED
Lamps: 1 x Seoul Z8Y22P



cd/klm
— C0 - C180 — C90 - C270

$\eta = 93\%$

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.