

PRODUCT DATASHEET

Laura series

last update 4/5/2015

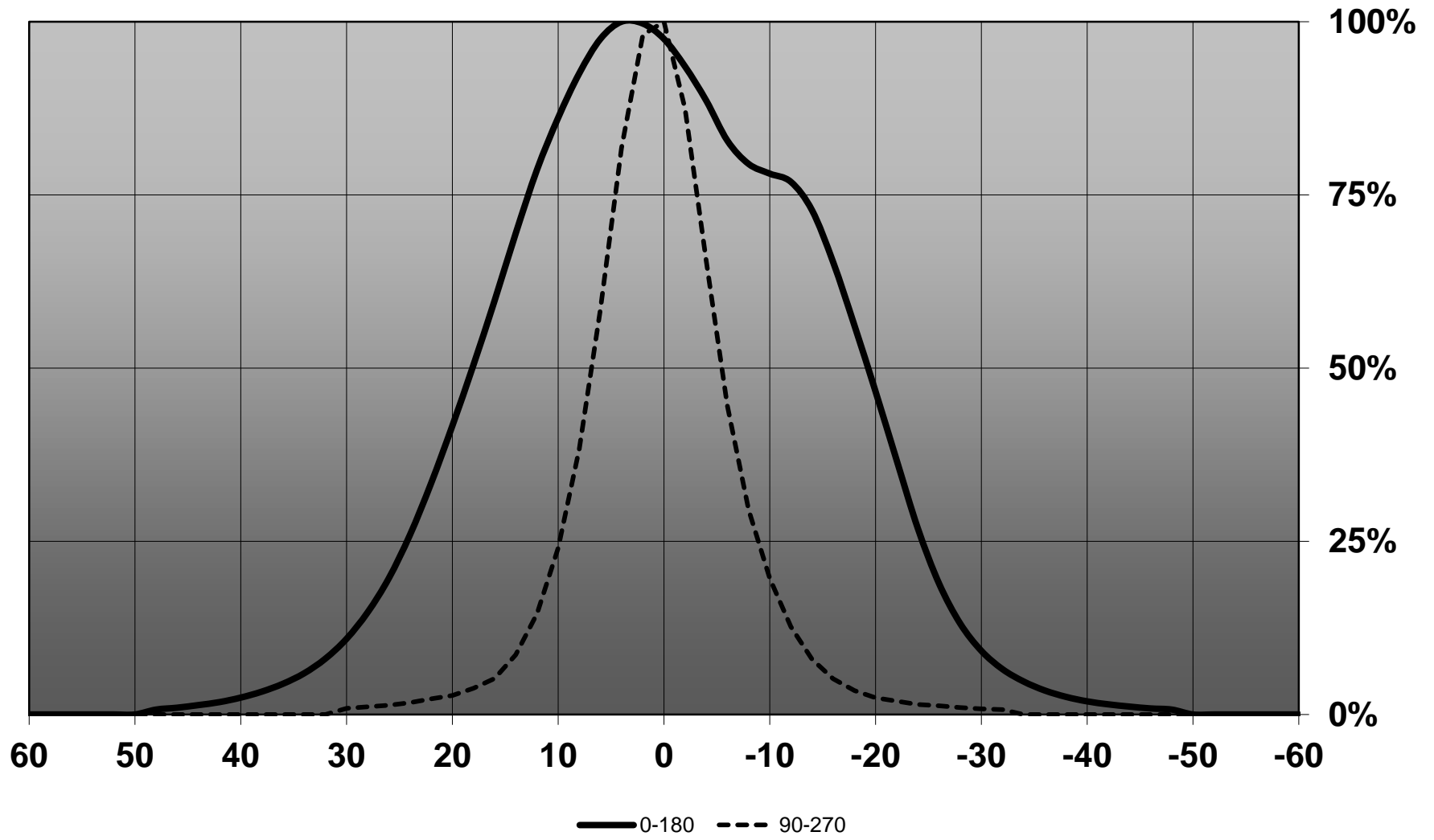
DETAILS

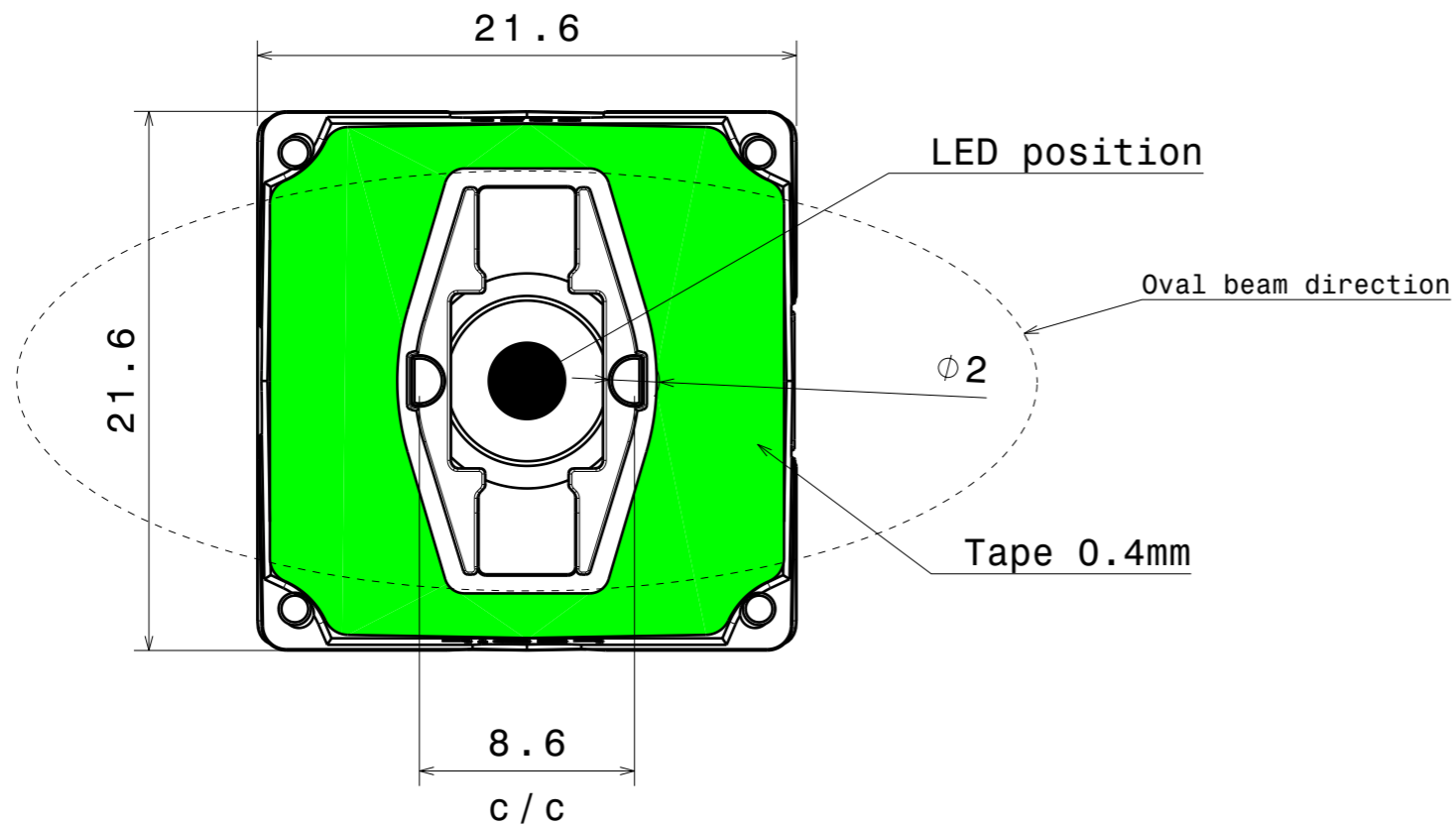
Product Number	CA13631_G2-LAURA-O-P
Family	Laura
Type	Assembly
Color	white
Diameter	21.6 x 21.6 mm
Height	13,1 mm
Style	square
Optic Material	PMMA
Holder Material	PC
Fastening	pin, tape
Status	ready
ROHS Comliant	Yes
Date Updated	1/07/2015

OPTICAL PROPERTIES

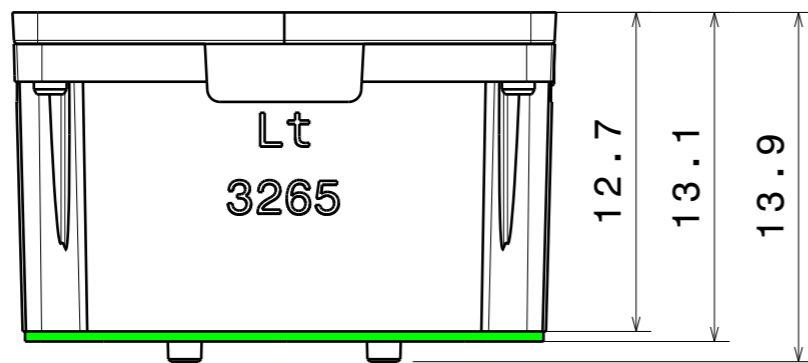
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
NVSxx19B/NVSxx19C	37+12 deg	Oval	89 %	5.300	-
XP-L	38+16 deg	Oval	89 %	3.760	-
XT-E	40+14 deg	Oval	87 %	4.400	-
NCSxx19B	40+12 deg	Oval	87 %	4.900	-
XP-E	40+13 deg	Oval	91 %	4.800	-
NVSxx19A	40+15 deg	Oval	87 %	4.300	-
LUXEON T	40+15 deg	Oval	90 %	4.700	-
Oslon Square EC	40+13 deg	Oval	87 %	4.800	-
LUXEON TX	41+14 deg	Oval	87 %	4.600	-
XB-H	41+13 deg	Oval	87 %	4.600	-
NCSxx19A	41+13 deg	Oval	87 %	4.700	-
XP-E2	41+11 deg	Oval	88 %	5.800	-
XP-G2	41+14 deg	Oval	87 %	4.800	-
XB-D	41+13 deg	Oval	86 %	4.800	-

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

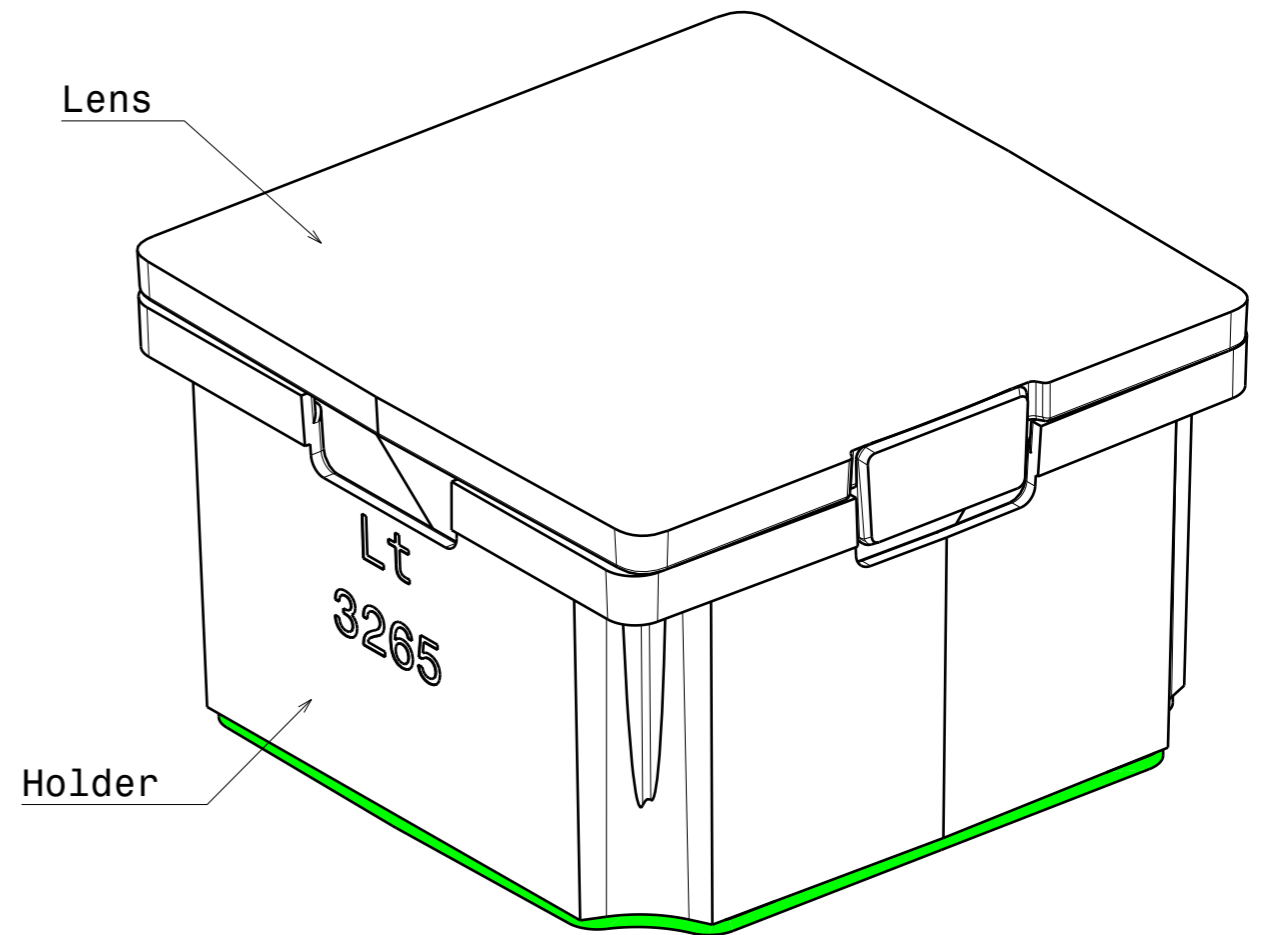




Bottom view



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

THIRD ANGLE PROJECTION:

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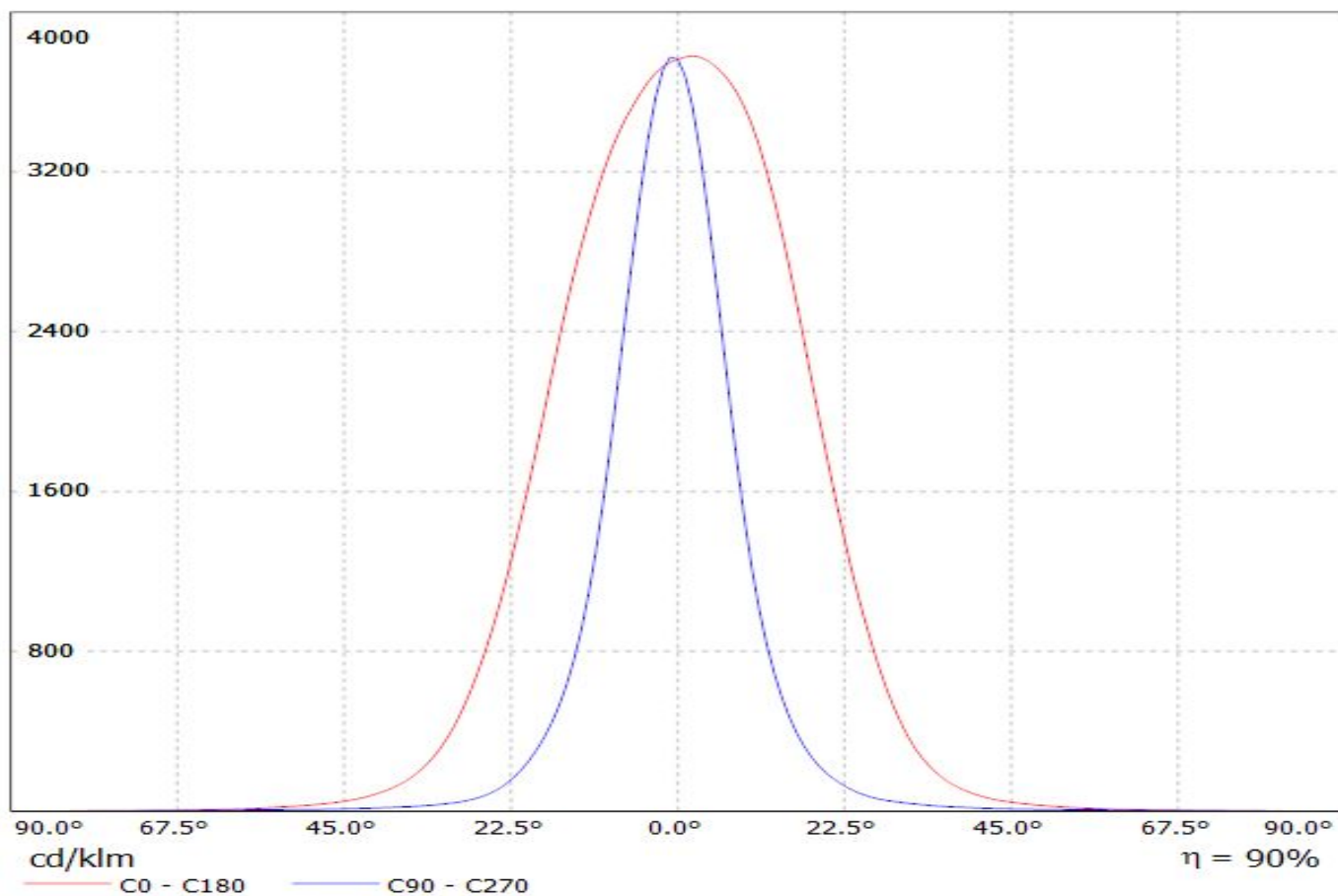
LEDiL Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
CA13631_G2-LAURA-0-P

SIZE	PART NUMBER
A3	CA13631

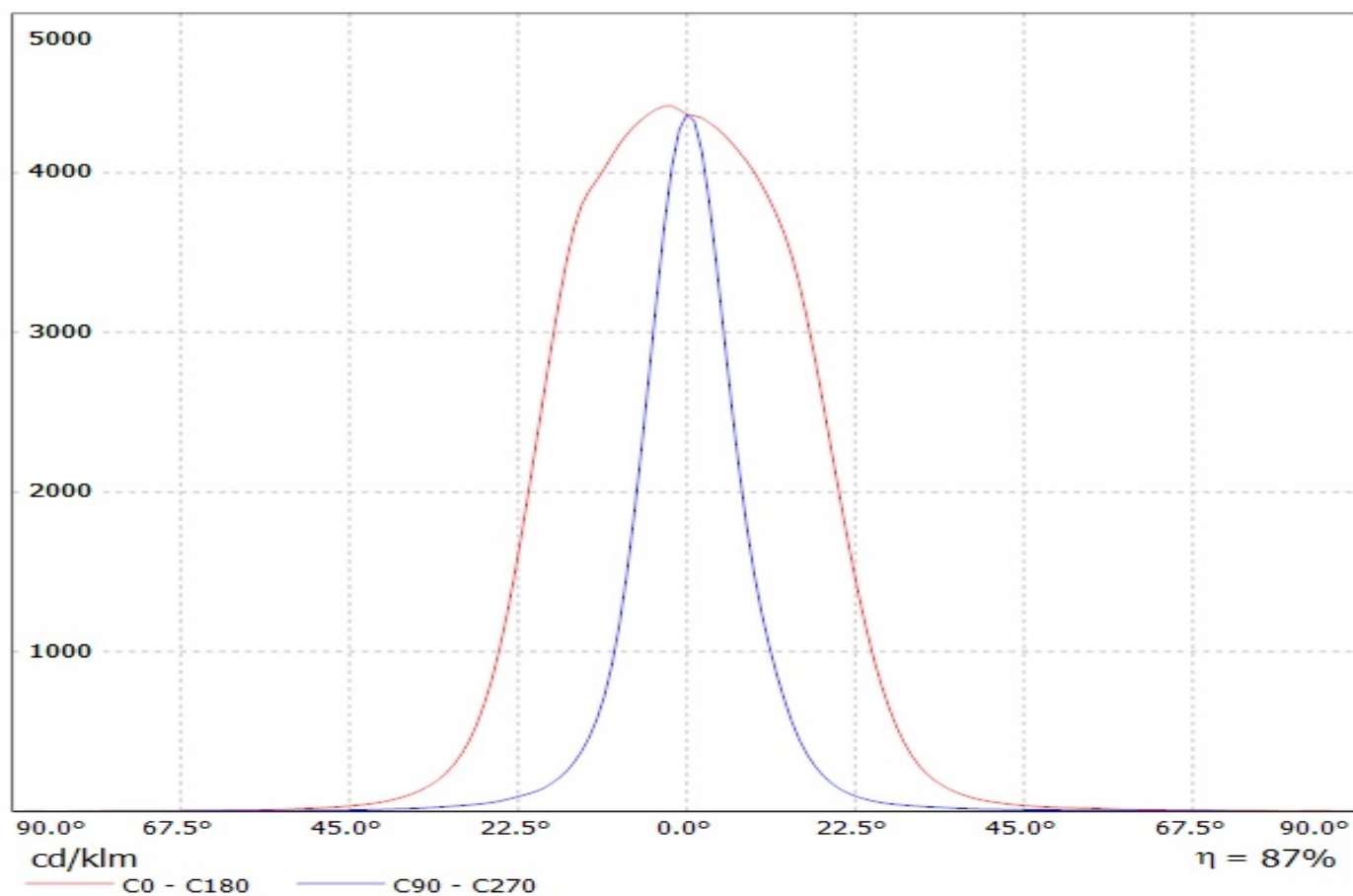
SCALE	10:3	WEIGHT	3,66 g	SHEET	1/1
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Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(XP-L) Efficiency=89%
Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA



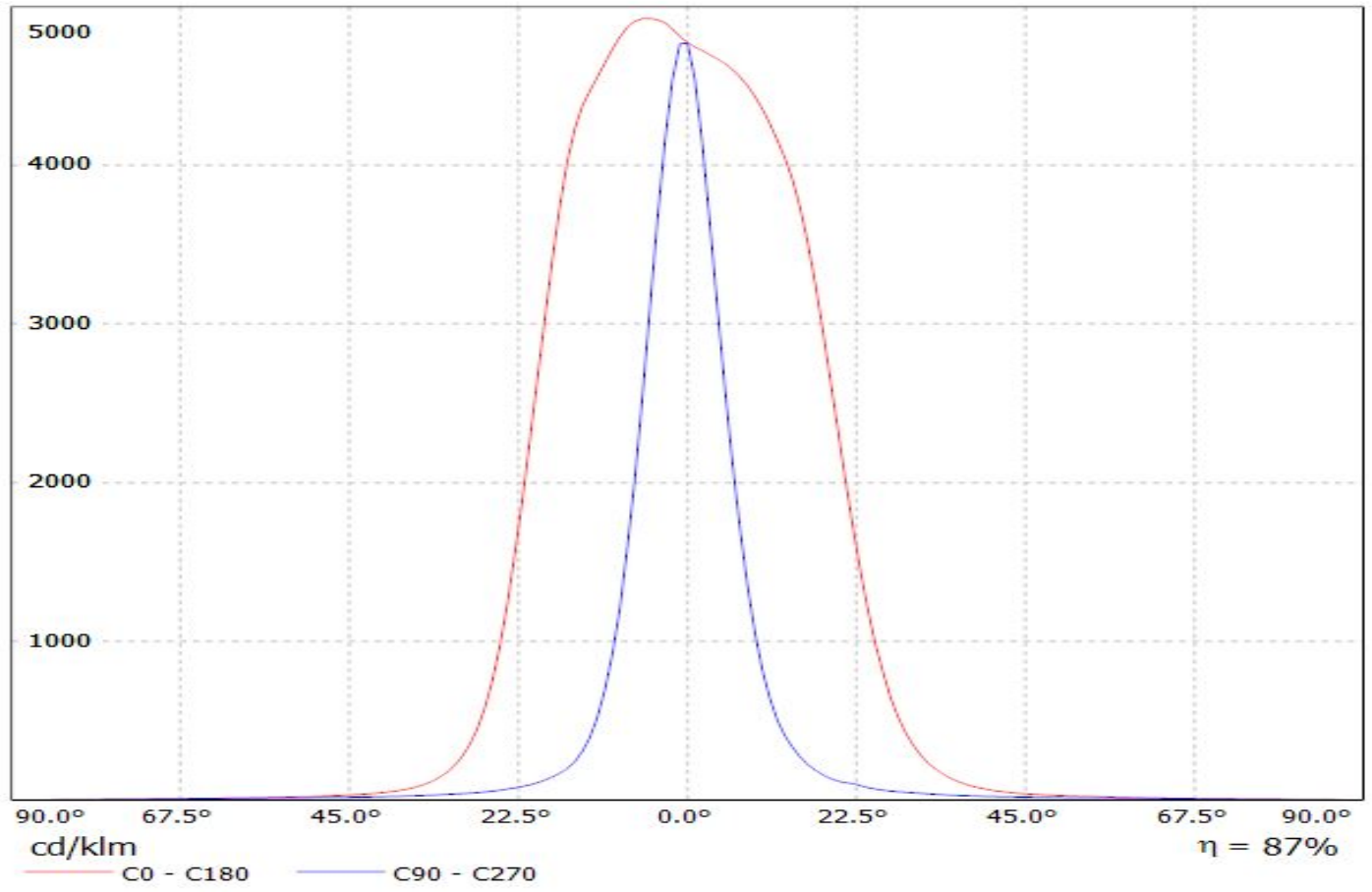
Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(XT-E)

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

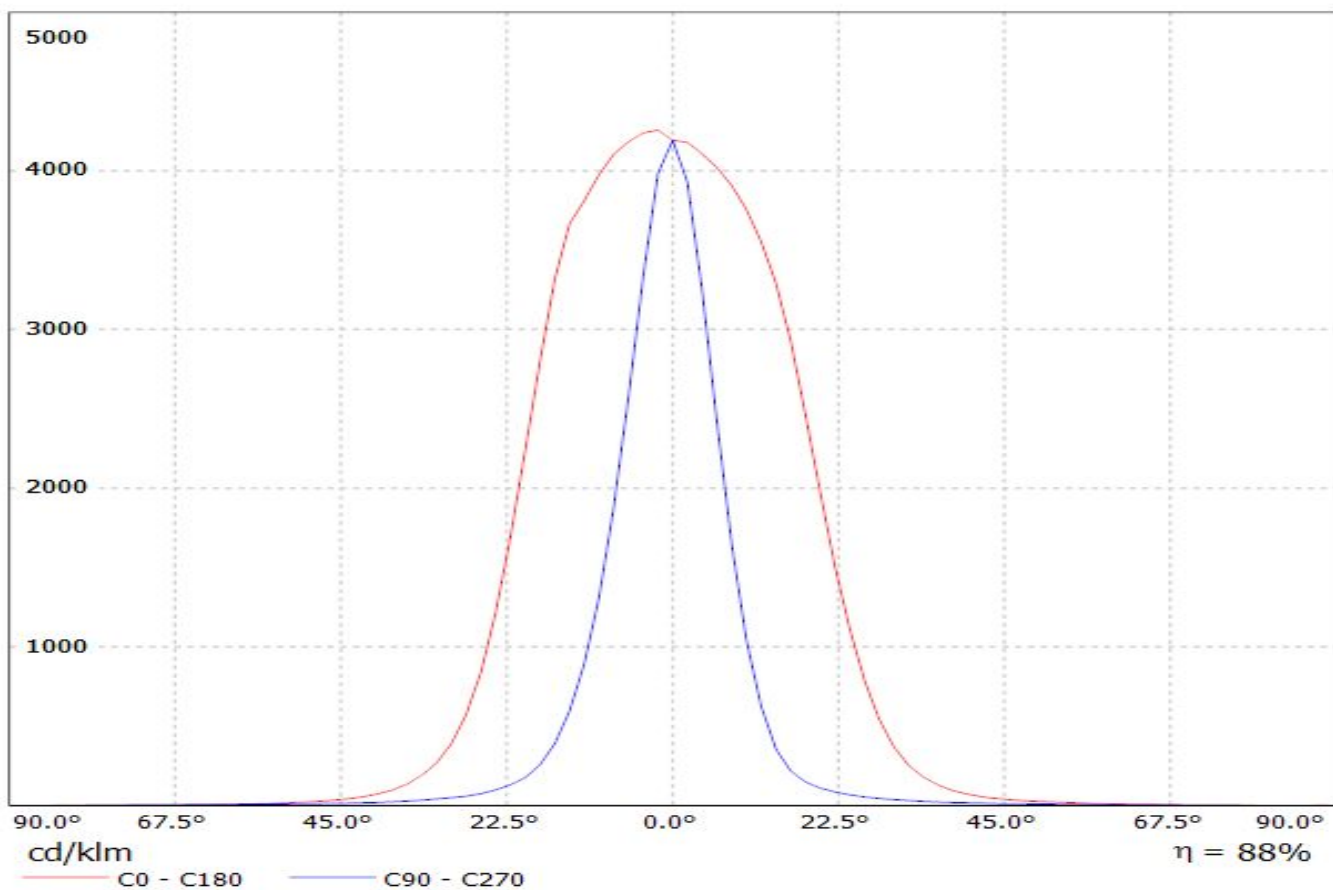


Luminaire: LEDiL Oy CA13631_G2-LAURA-O-P_(NCSxx19B)

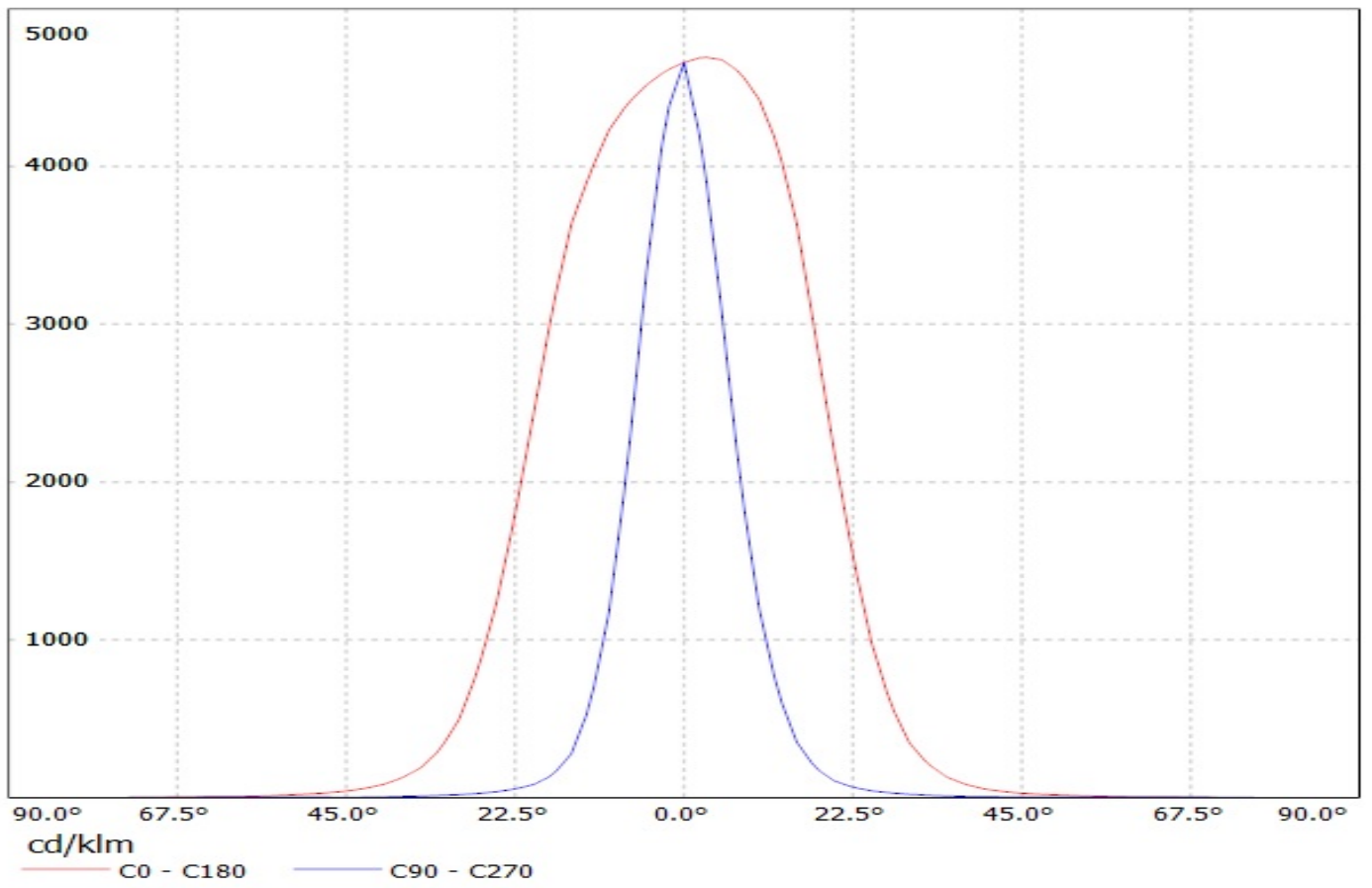
Lamps: 1 x Nichia_NCSxx19B_(CSL119BE)_91.4047lm@250mA_P=0.795832W_I=0.2498A



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

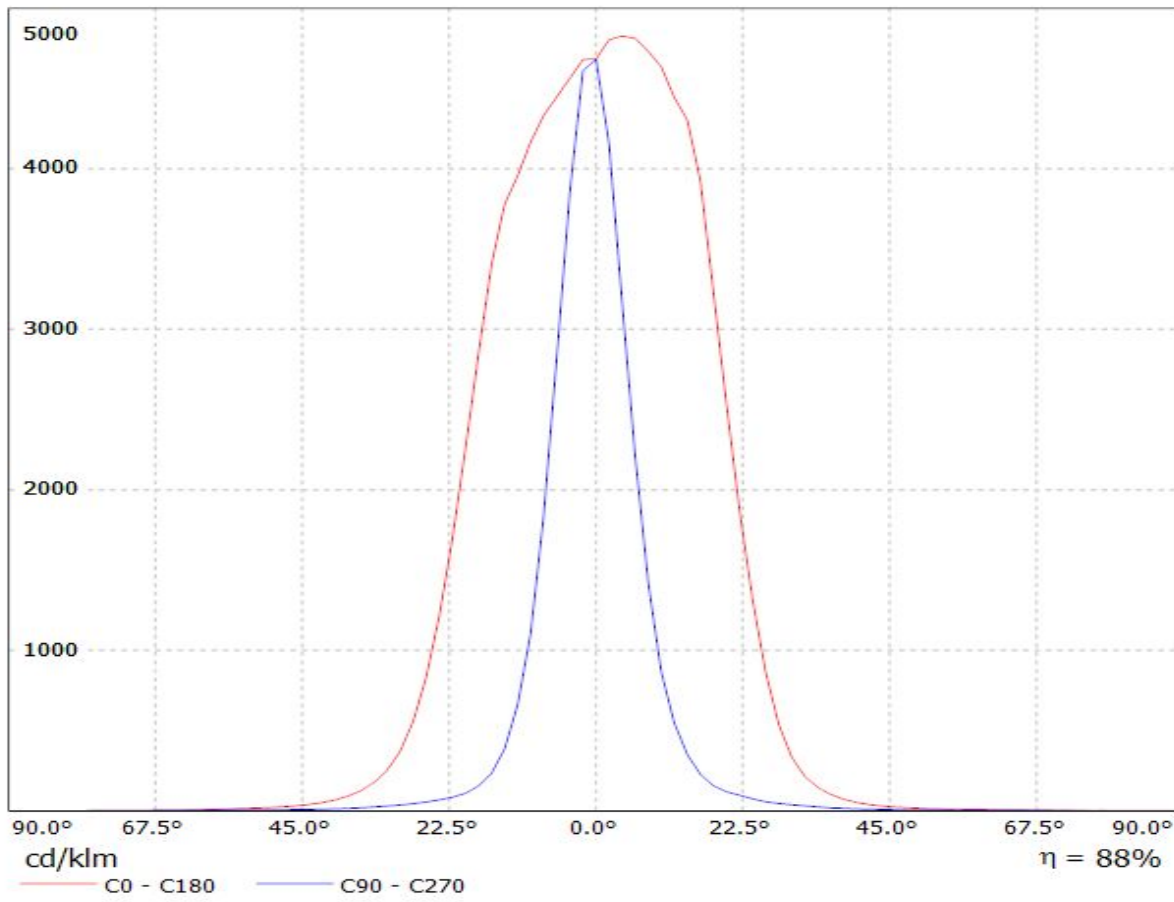


Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(Luxeon T) Efficiency=90%
Lamps: 1 x Philips Lumileds Luxeon T (LXH8-FW30-3) 72.1lm @ 250mA CCT=3200K P=0.7W I=250mA

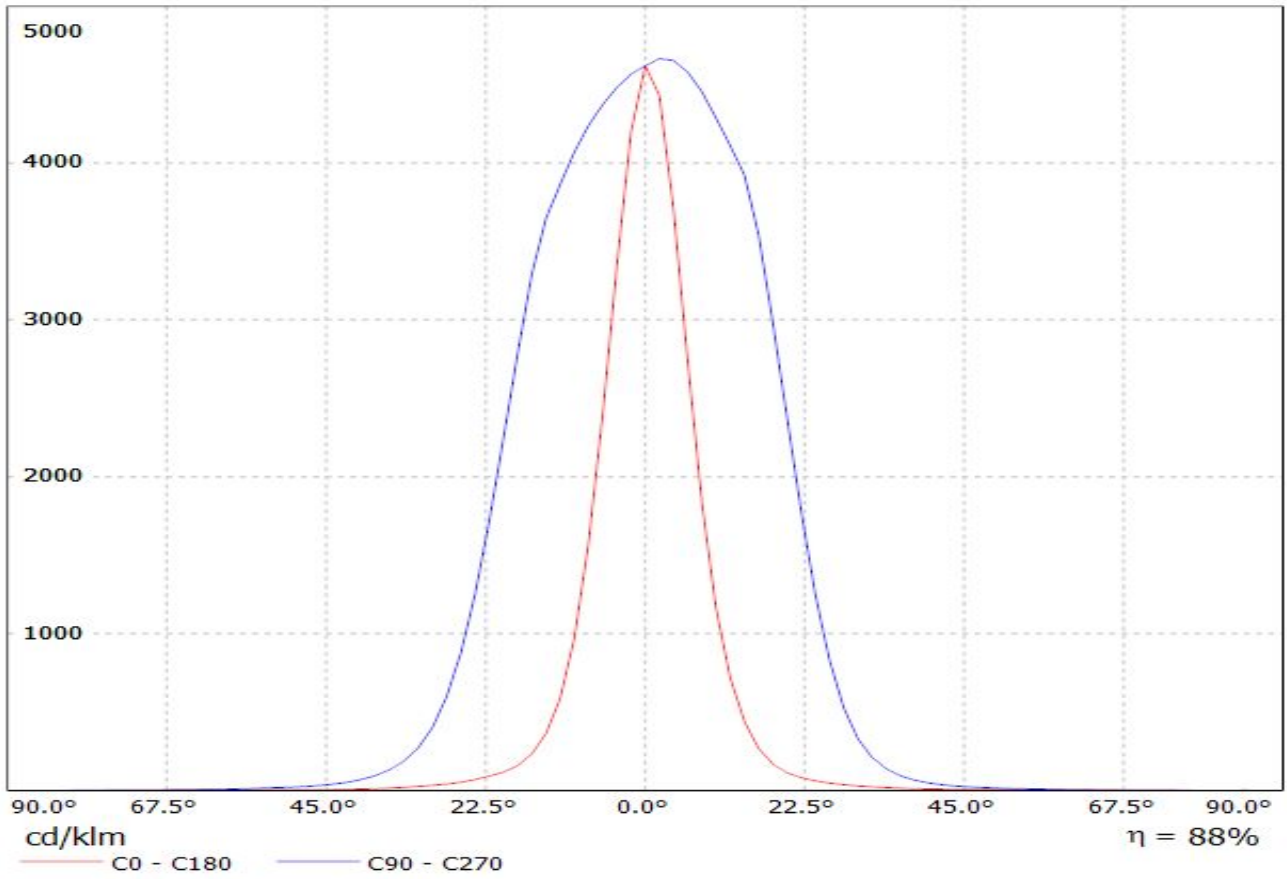


Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(Oslon_Square_EC)

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

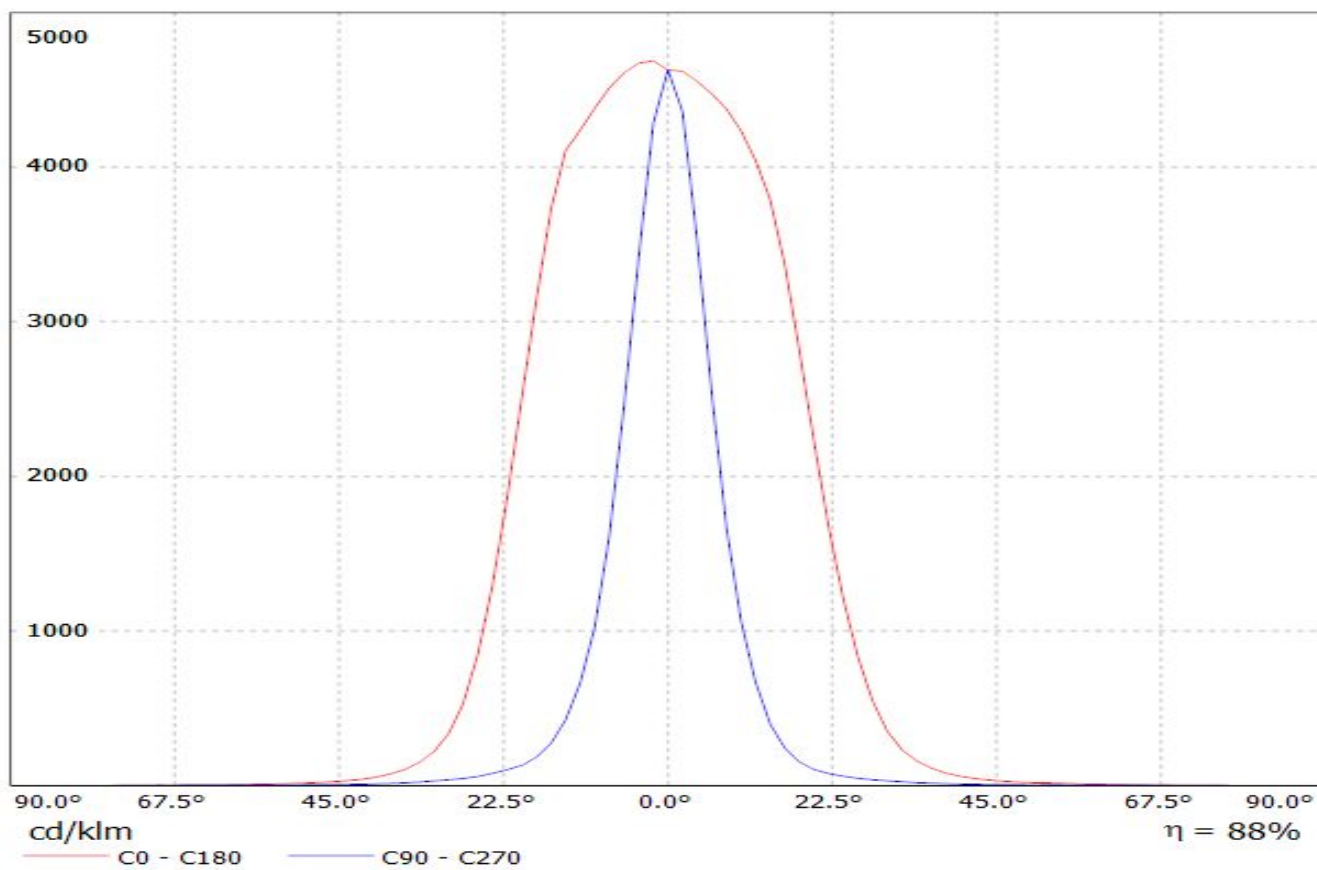


Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(Luxeon_TX) Efficiency=87%
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA

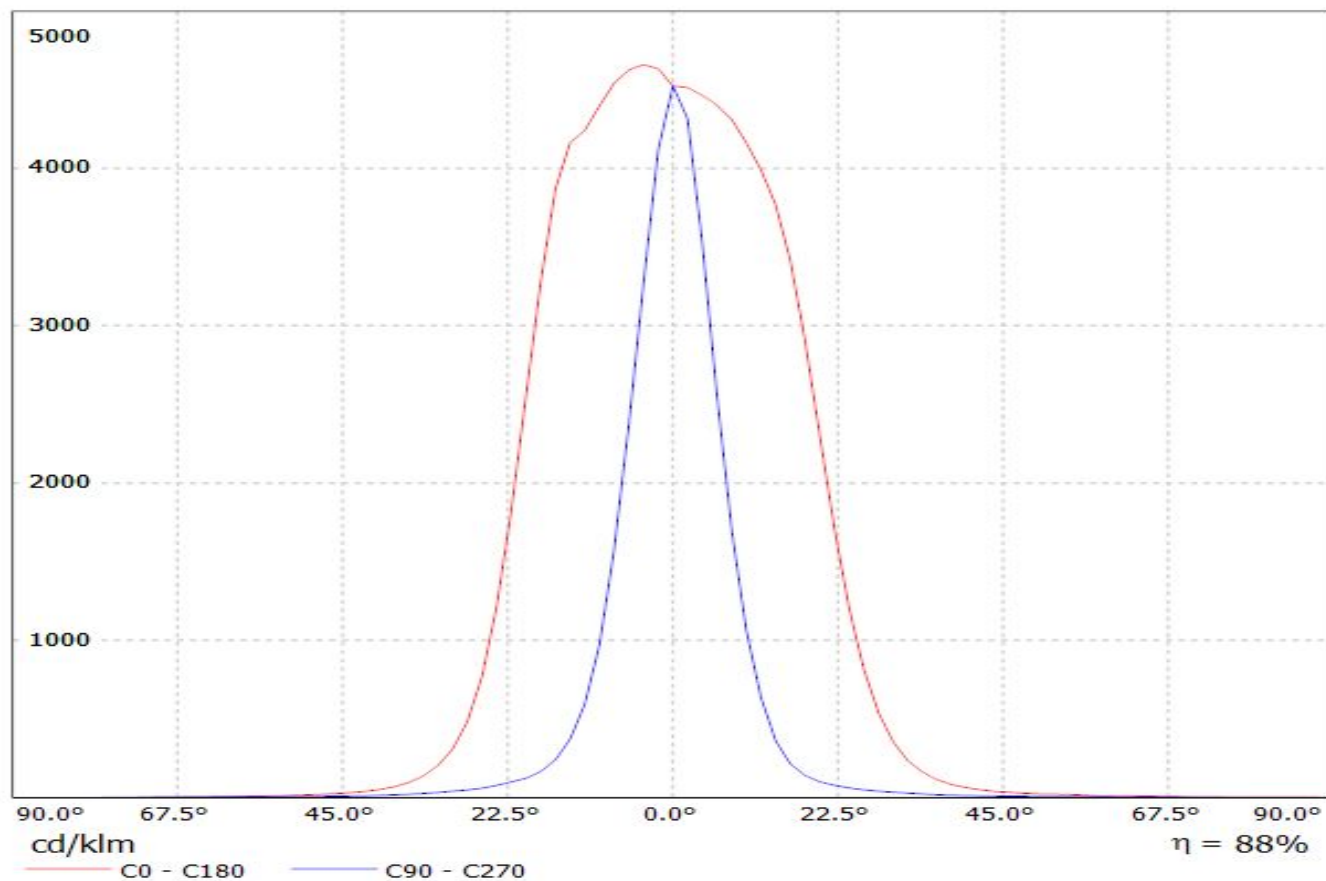


Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(XB-H)

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

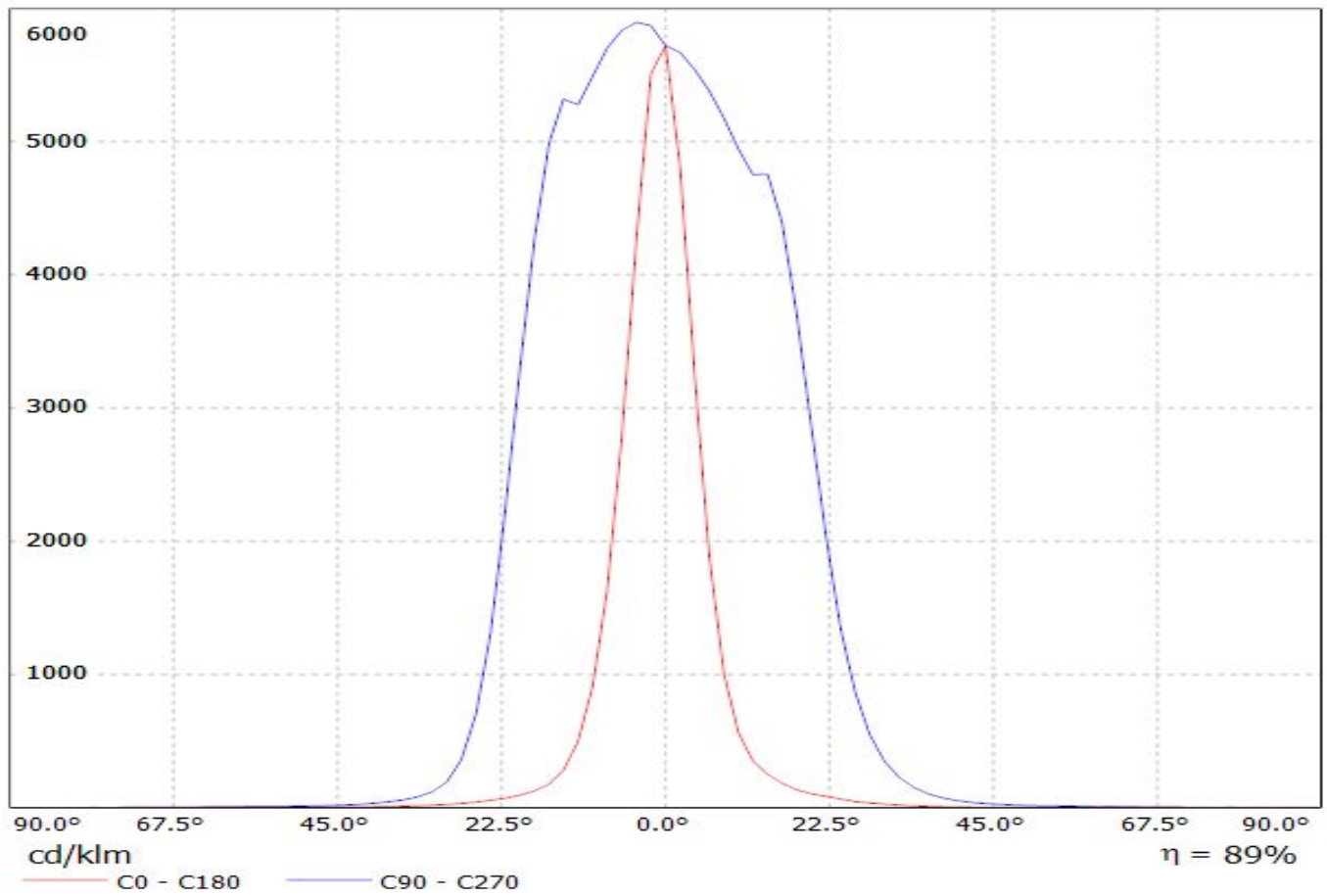


Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(NCS19)
Lamps: 1 x Nichia NCSxx19A 67lm @ 250mA CCT= P=0.77W I=250mA



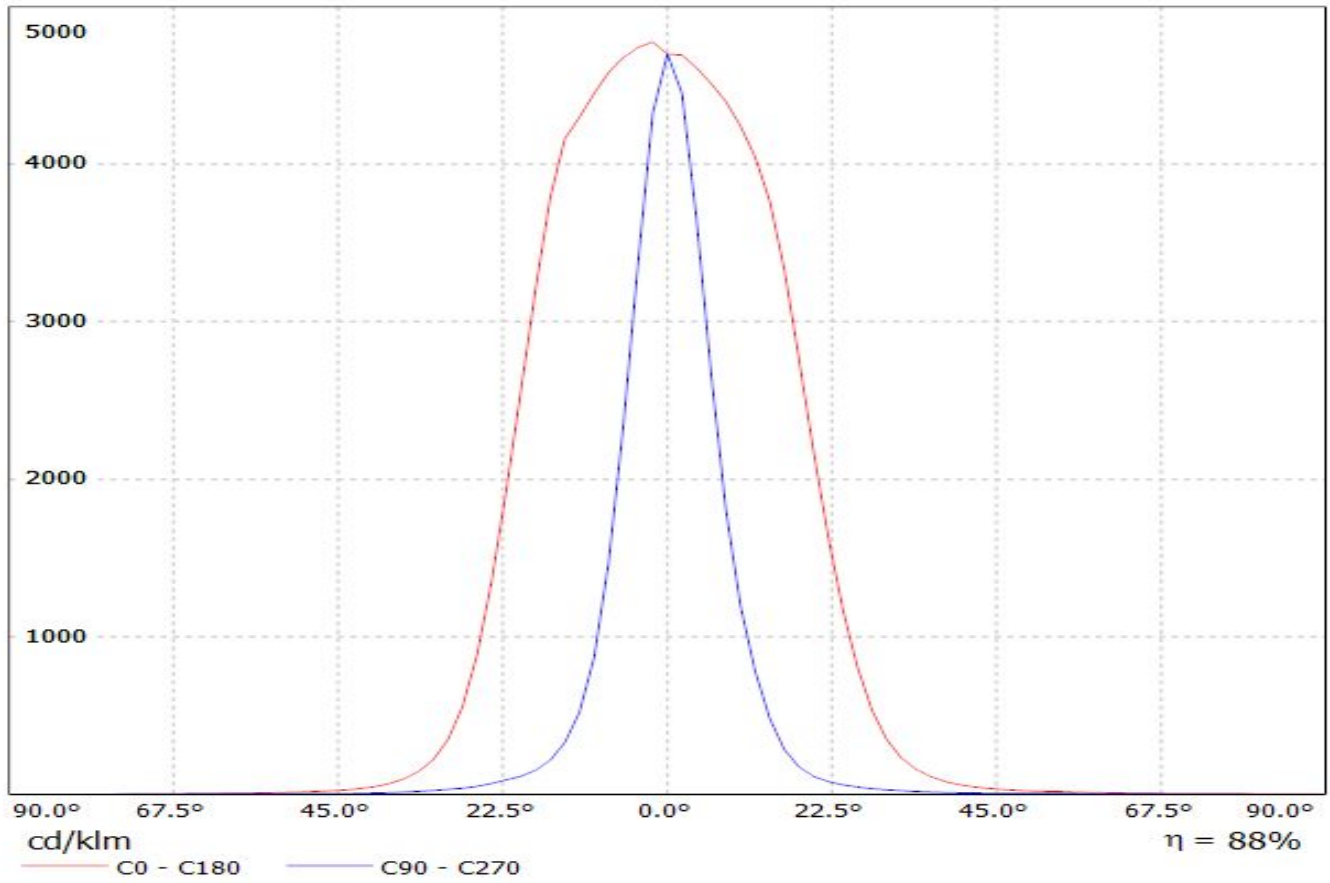
Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(XP-E2)

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

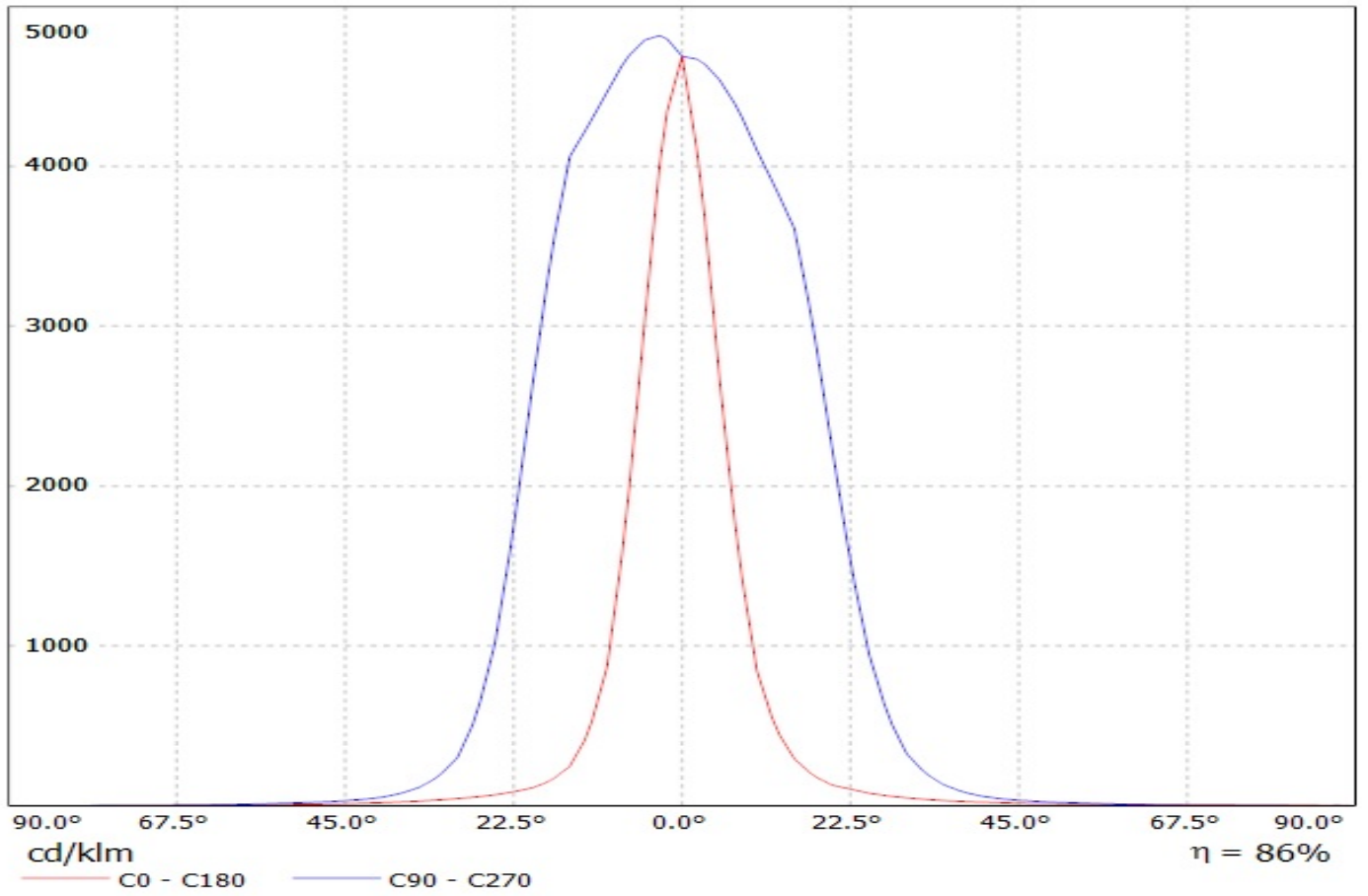


Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(XP-G2)

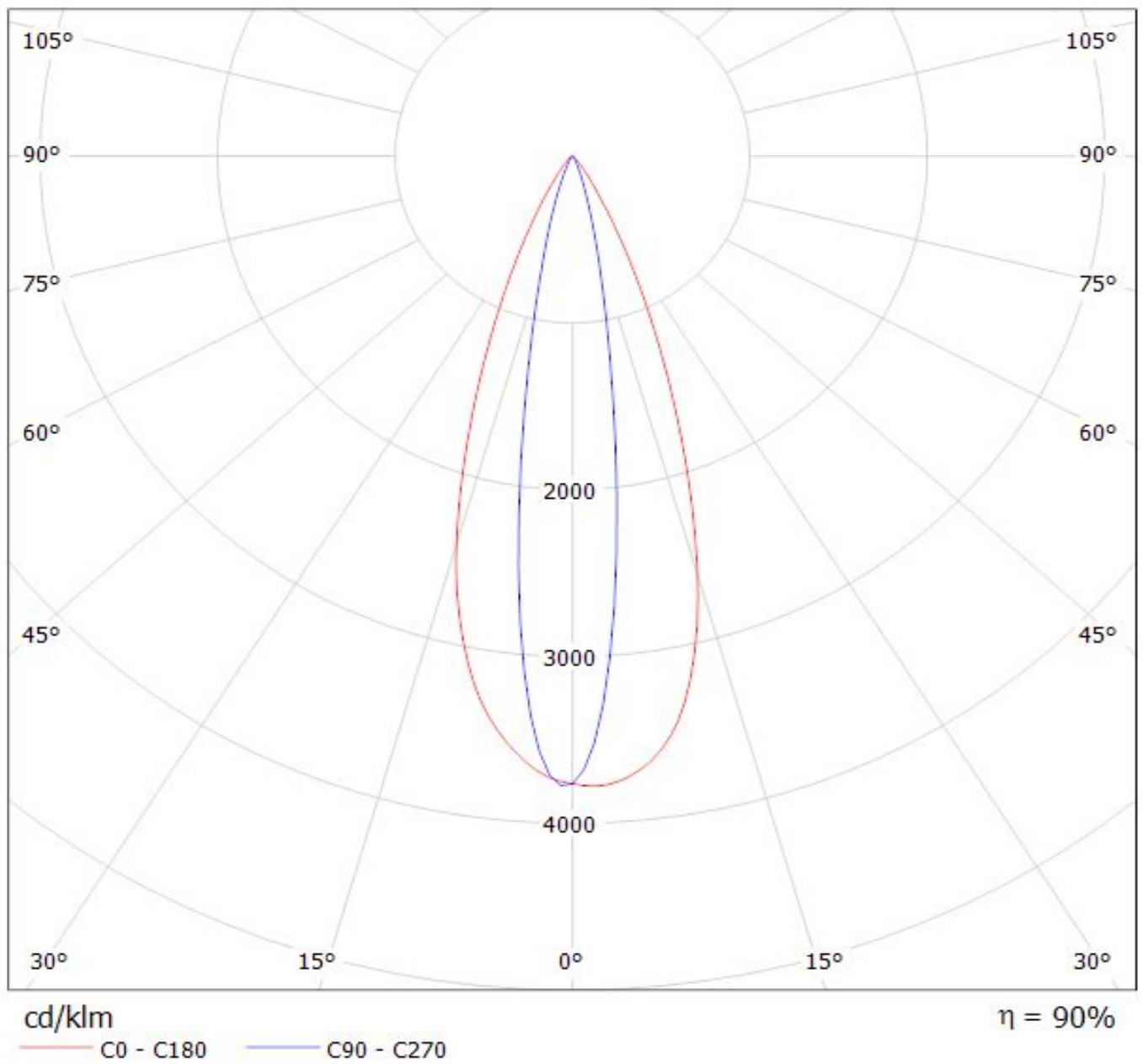
Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 100lm @ 250mA CCT=4934K P=0.75W I=250mA



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

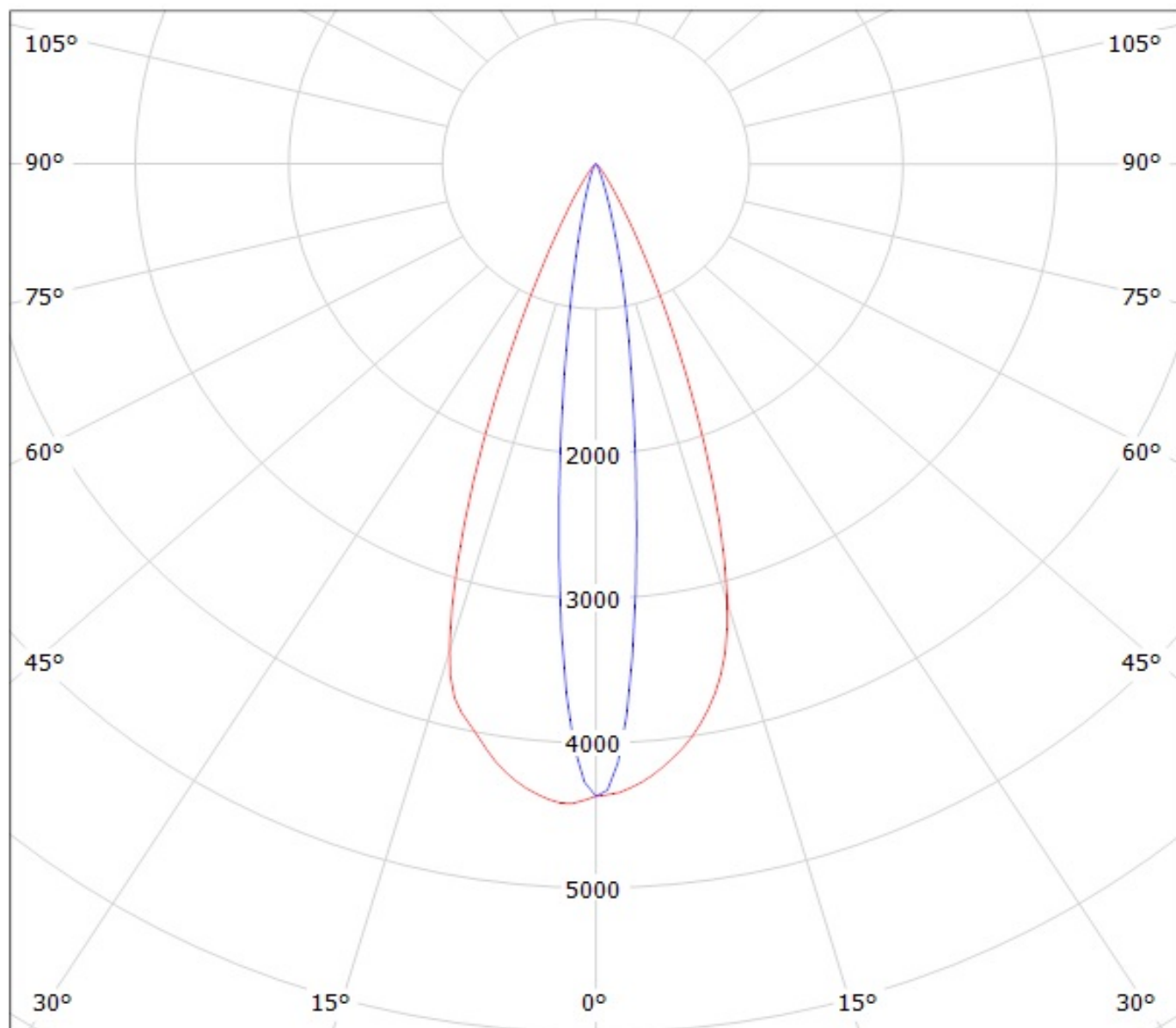


Luminaire: Ledil Oy CA13631_G2-LAURA-O-P_(XP-L) Efficiency=89%
Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA



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

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



cd/klm

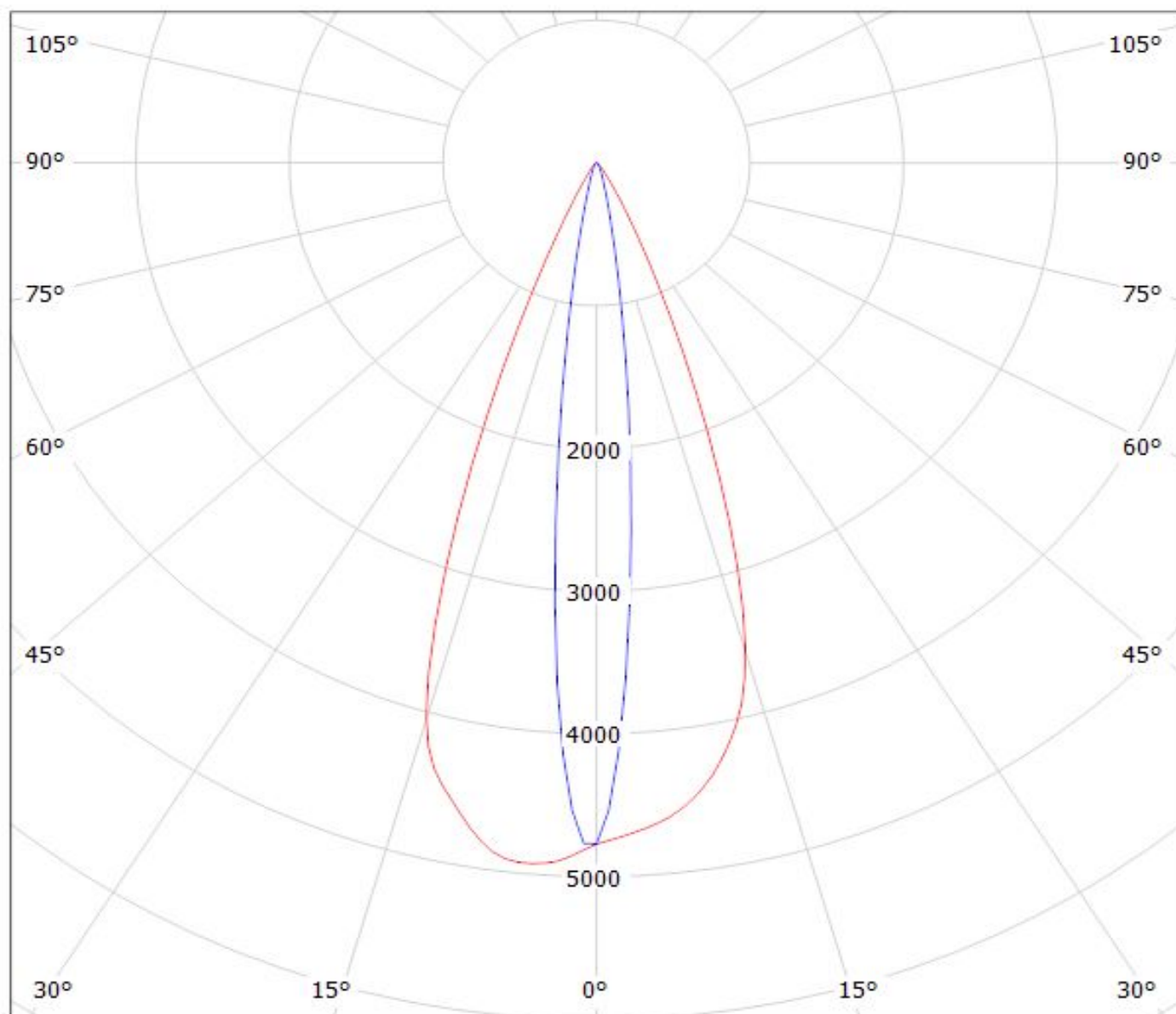
— C0 - C180

— C90 - C270

$\eta = 87\%$

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

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



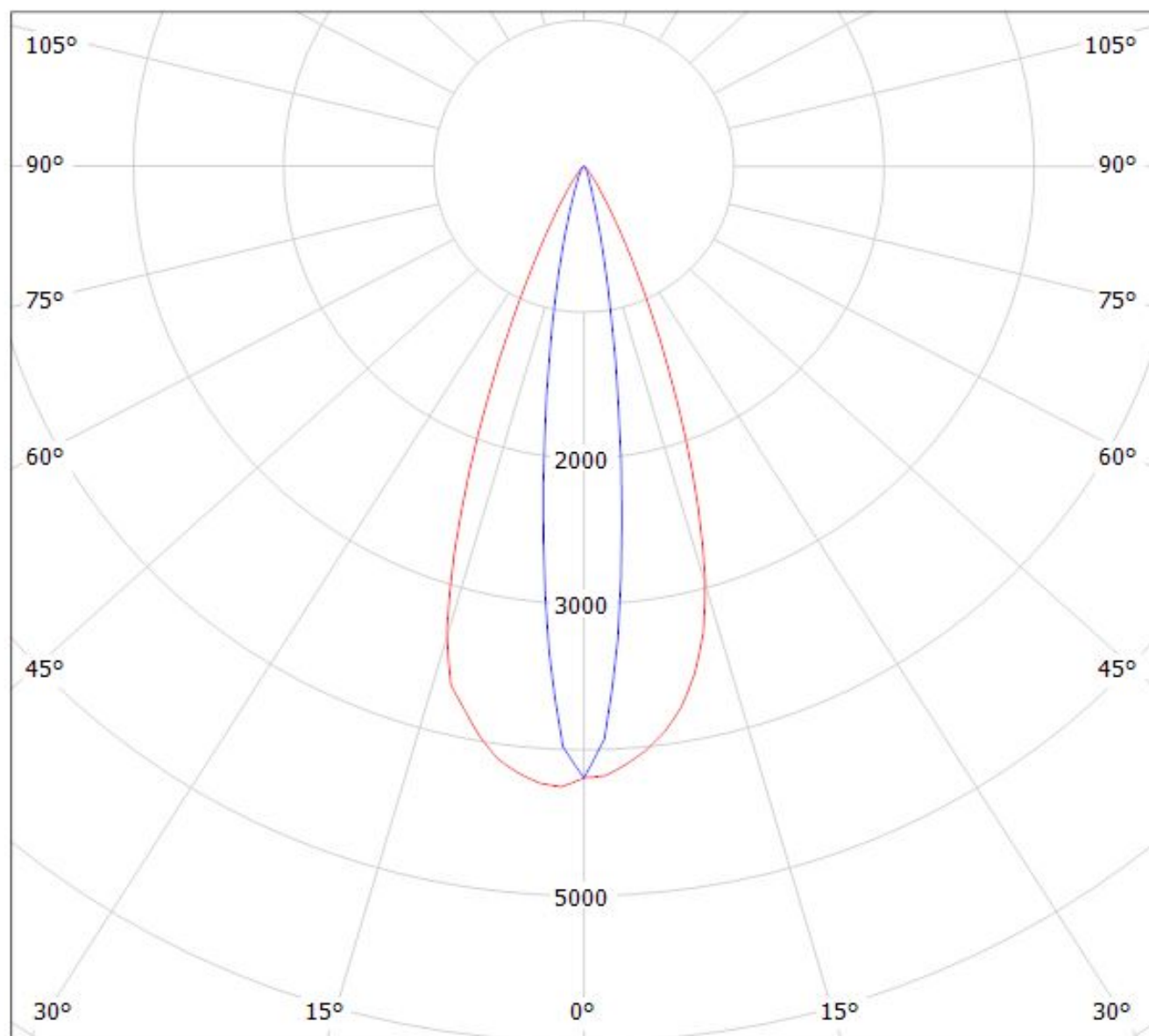
cd/klm

— C0 - C180

— C90 - C270

$\eta = 87\%$

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

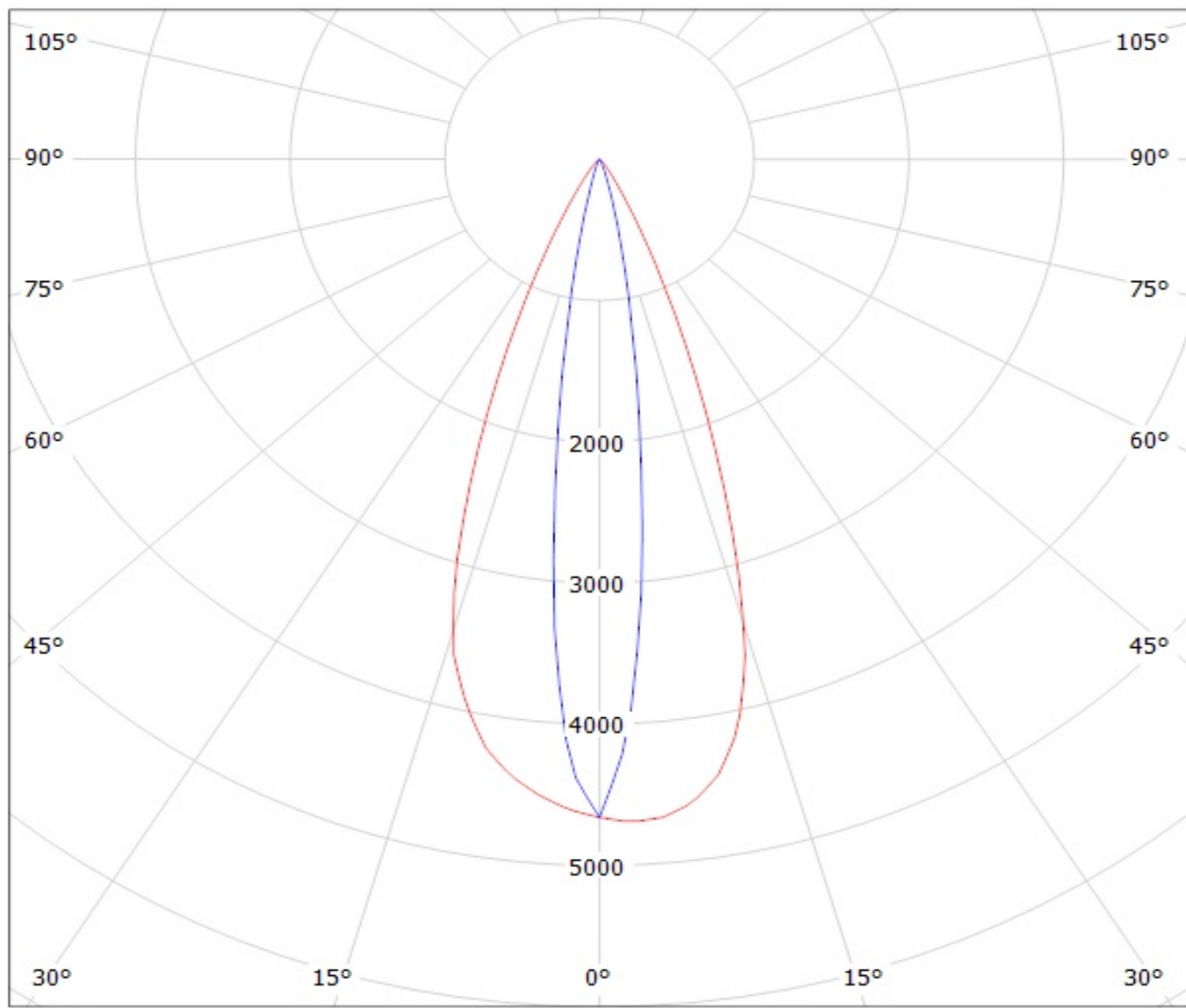


cd/klm

$\eta = 88\%$

— C0 - C180 — C90 - C270

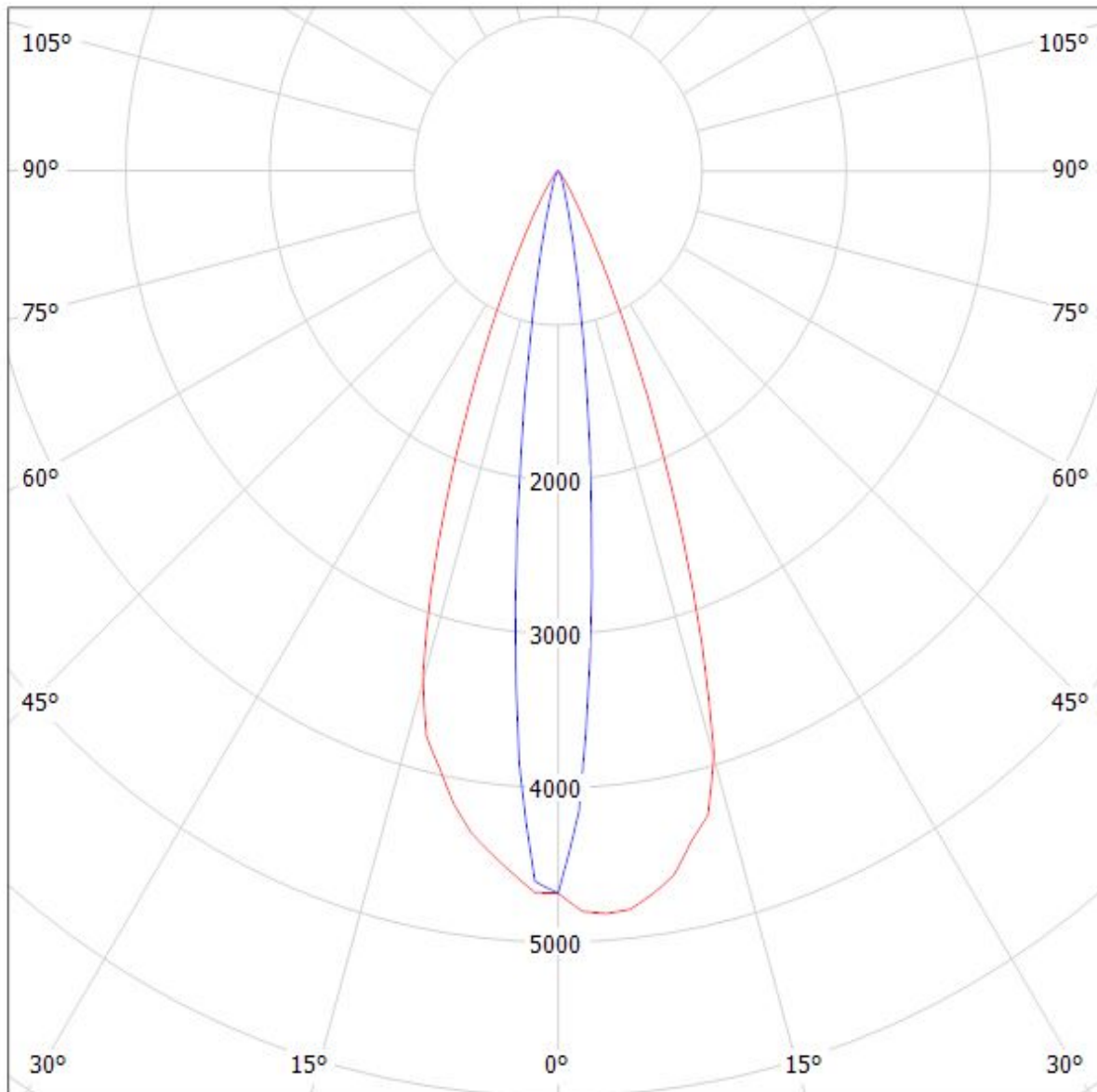
Luminaire: LEDil Oy CA13631_G2-LAURA-O-P_(Luxeon T) Efficiency=90%
Lamps: 1 x Philips Lumileds Luxeon T (LXH8-FW30-3) 72.1lm @ 250mA CCT=3200K P=0.7W I=250mA



cd/klm
— C0 - C180 — C90 - C270

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

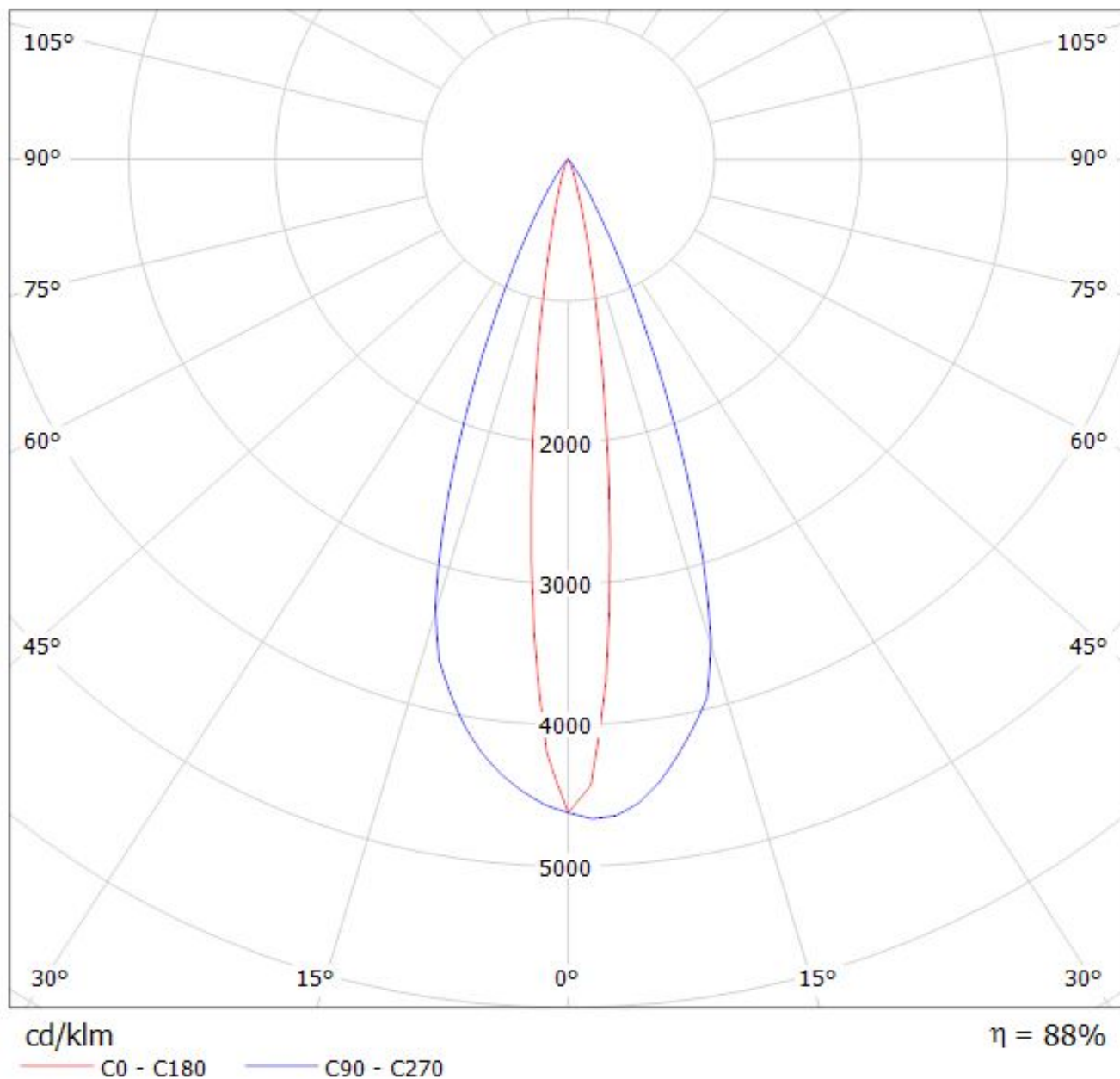


cd/klm

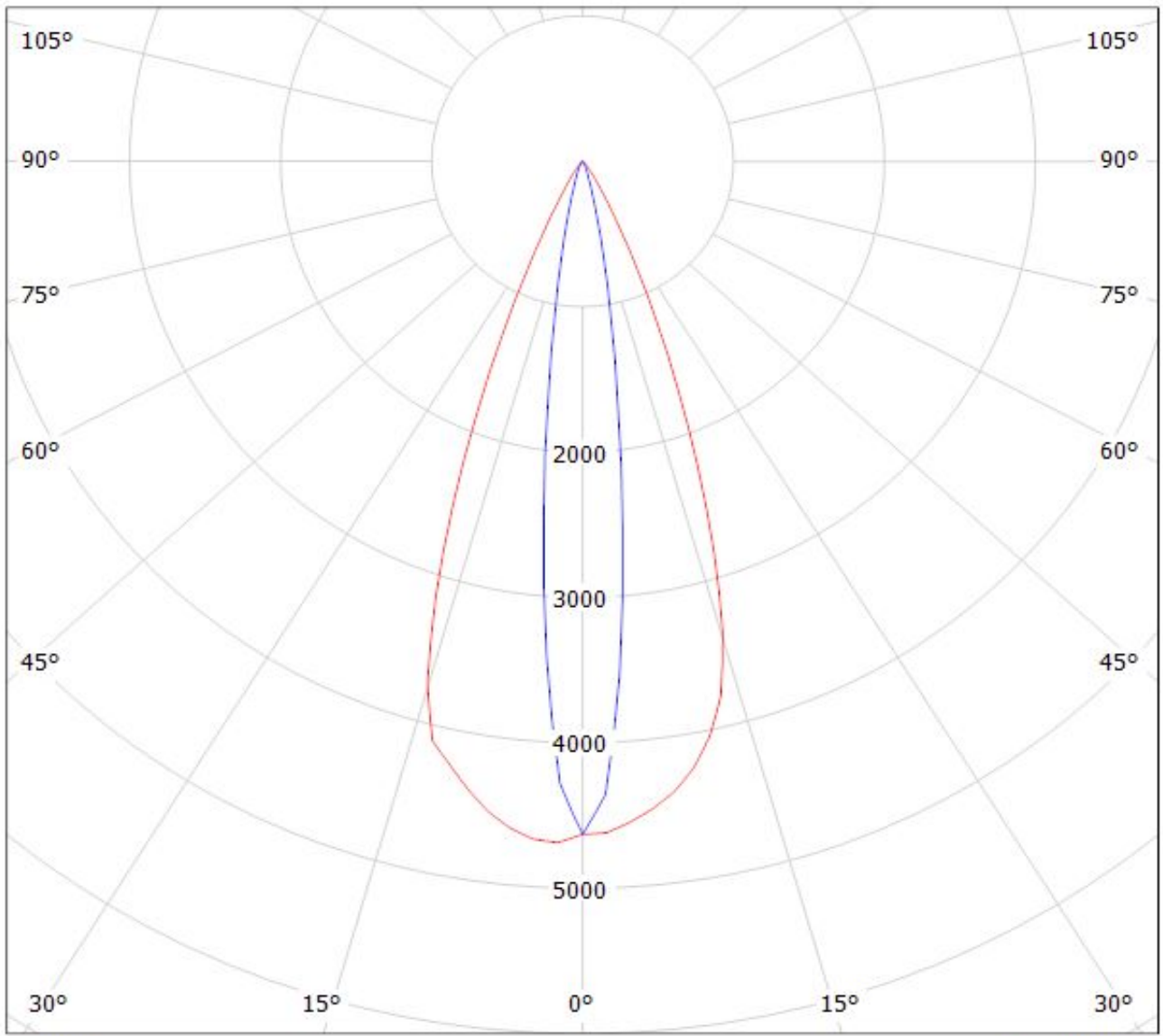
— C0 - C180 — C90 - C270

$\eta = 88\%$

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 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

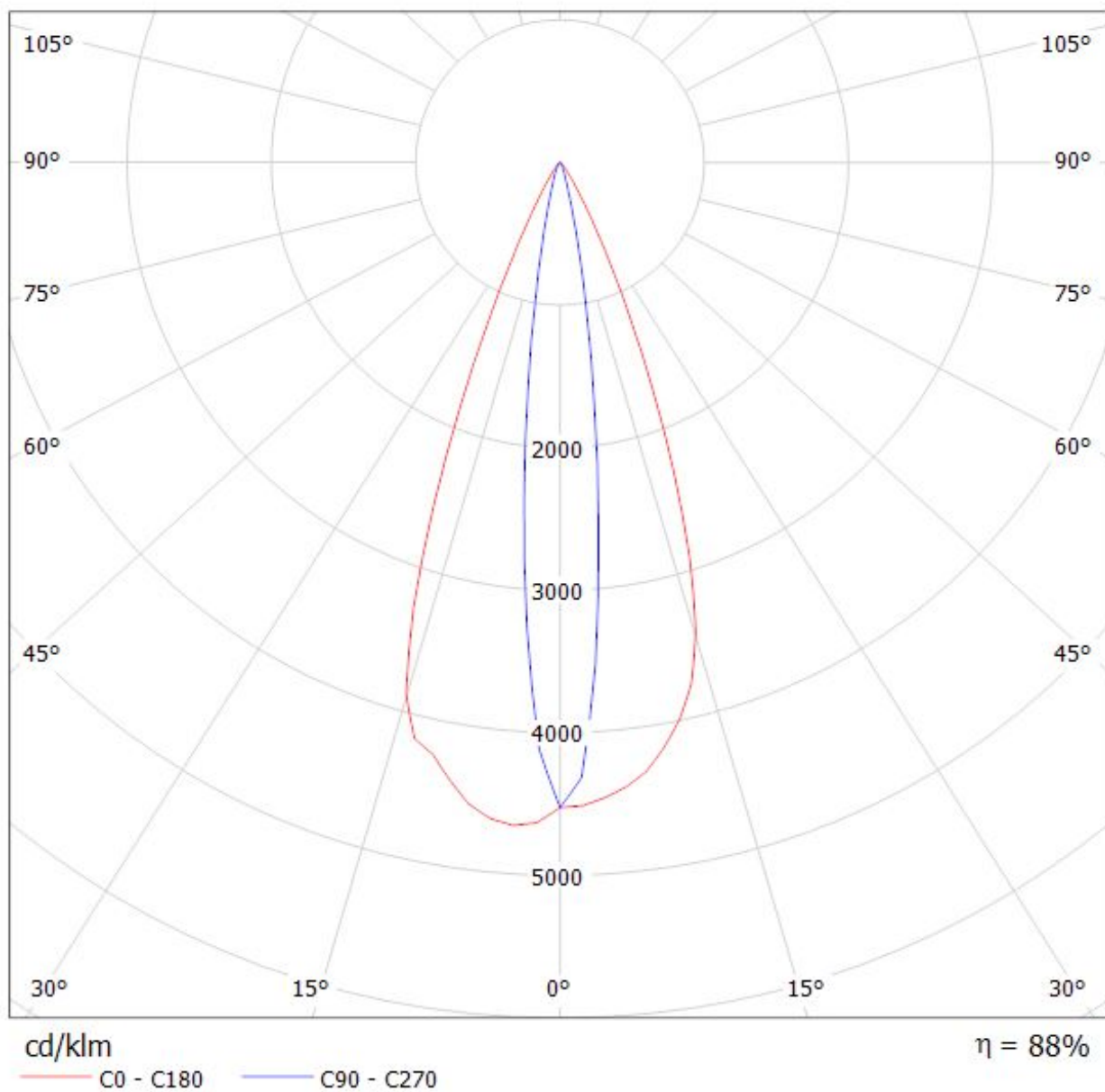


cd/klm

— C0 - C180 — C90 - C270

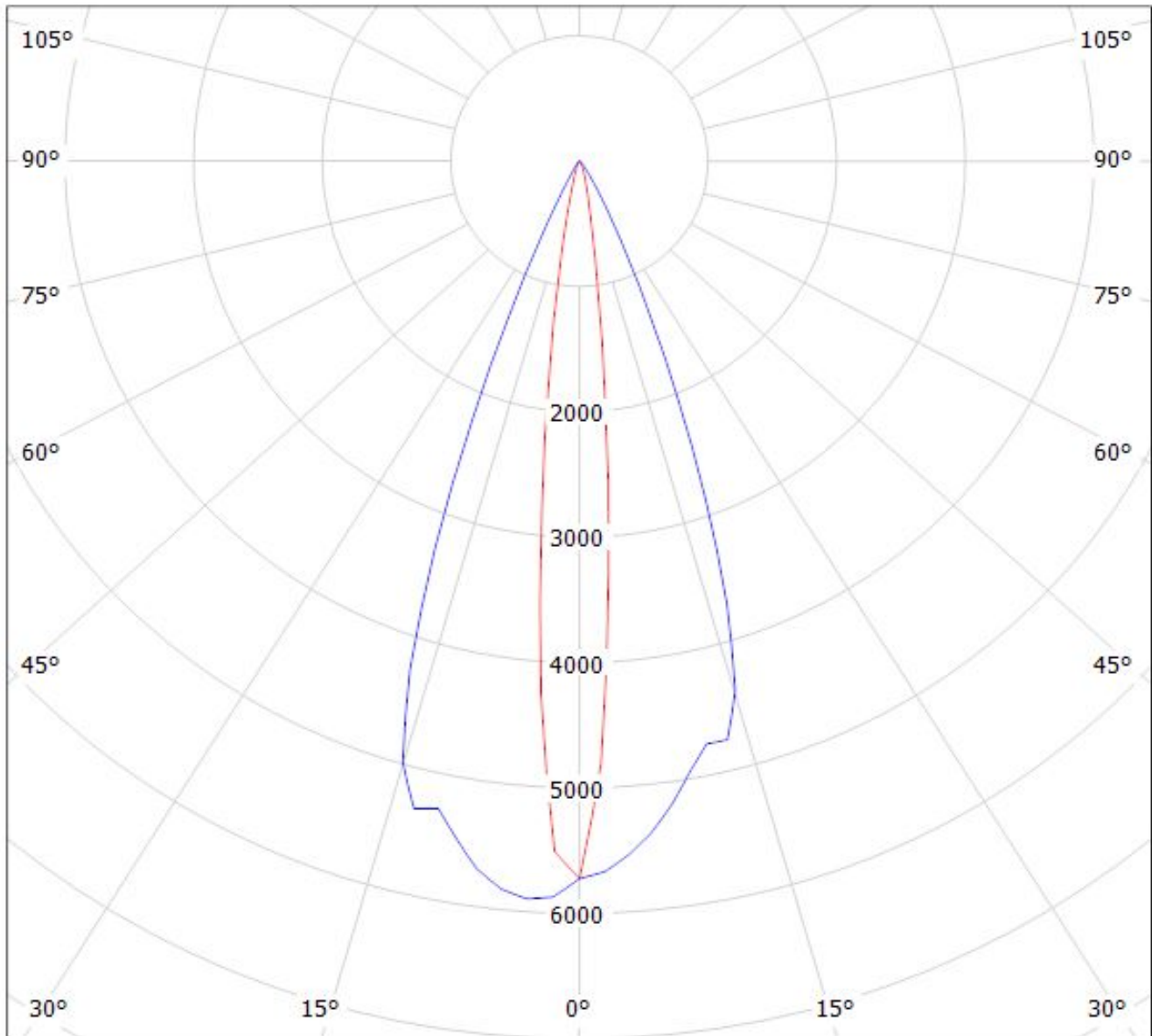
$\eta = 88\%$

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_(XP-E2)

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



cd/klm

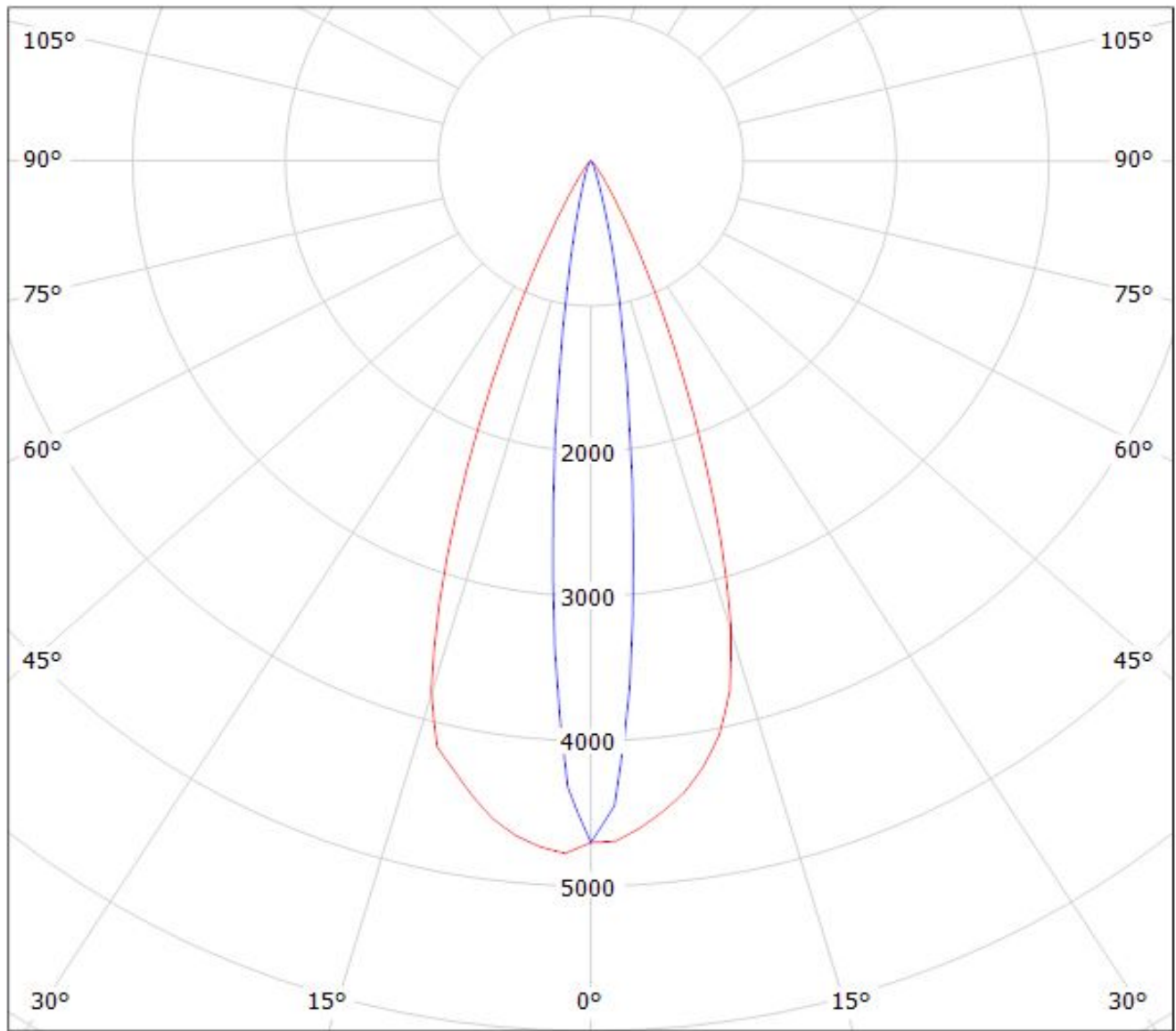
$\eta = 89\%$

— C0 - C180

— C90 - C270

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

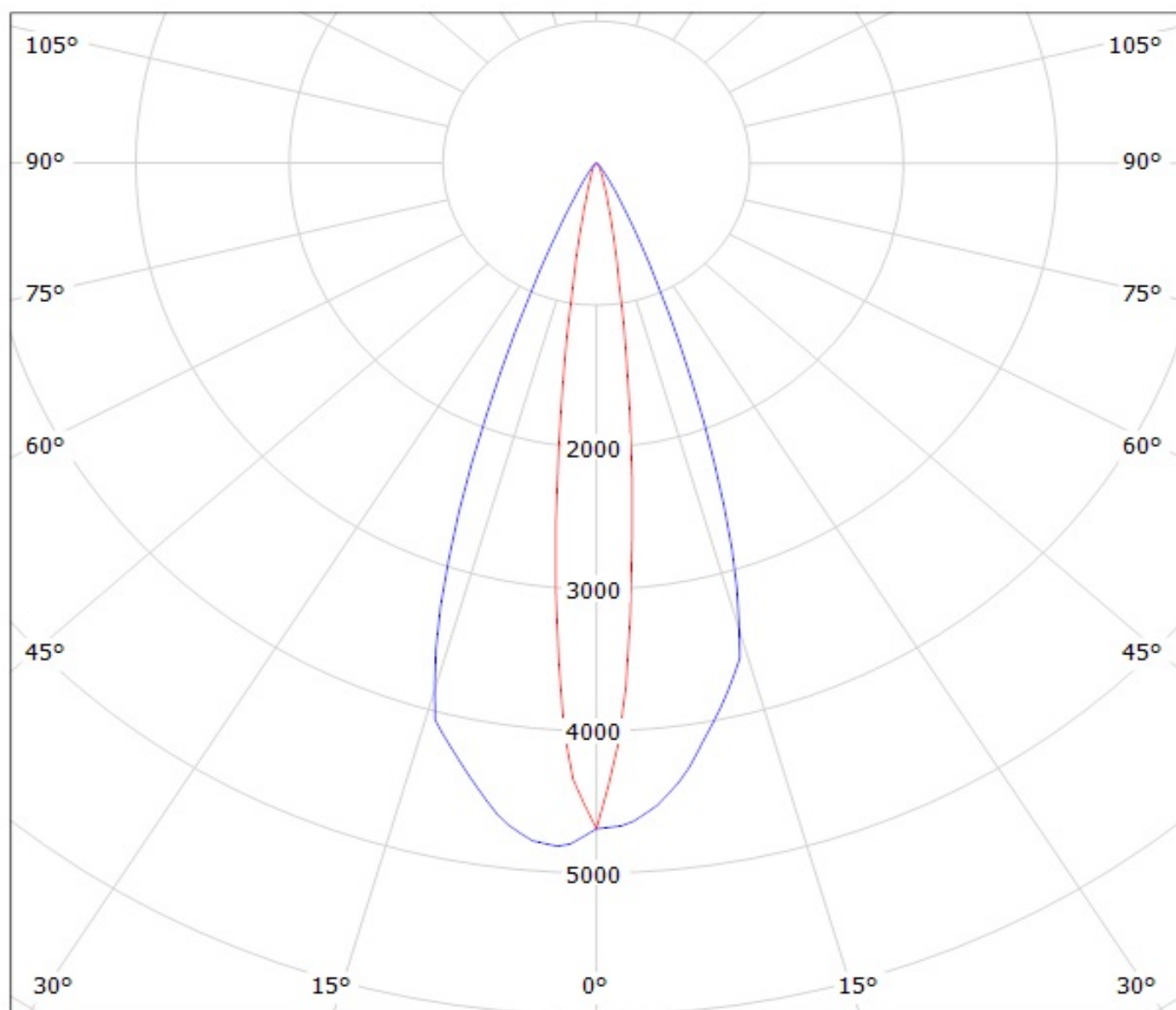


cd/klm

— C0 - C180 — C90 - C270

$\eta = 88\%$

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

$\eta = 86\%$

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.