

DETAILS

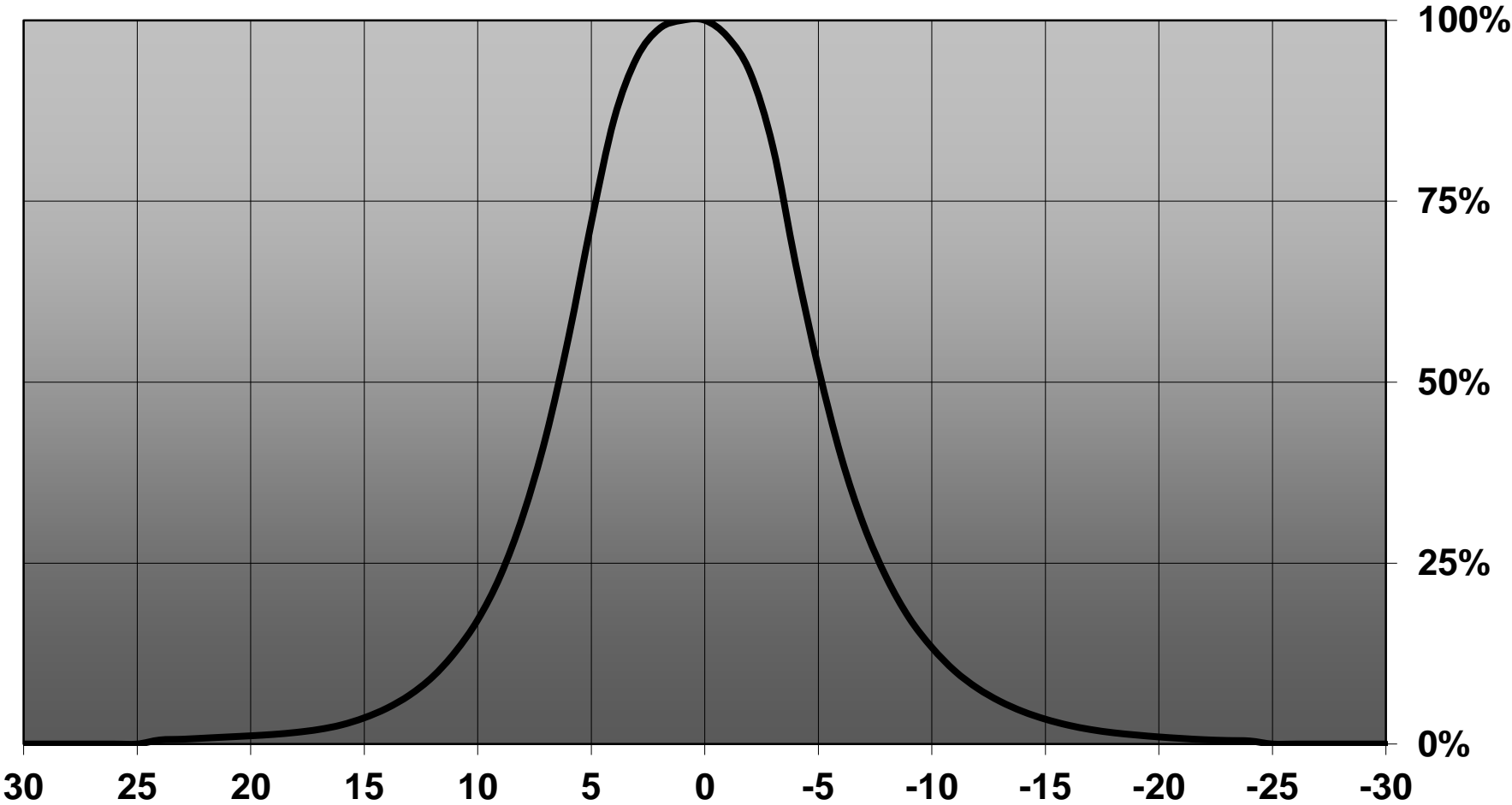
Product Number	CA13628_G2-LAURA-RS-P
Family	Laura
Type	Assembly
Color	white
Diameter	21,6 x 21,6 mm
Height	13,1 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	pin, tape
Status	production ready
ROHS Compliant	Yes
Date Updated	21/04/2016

OPTICAL PROPERTIES

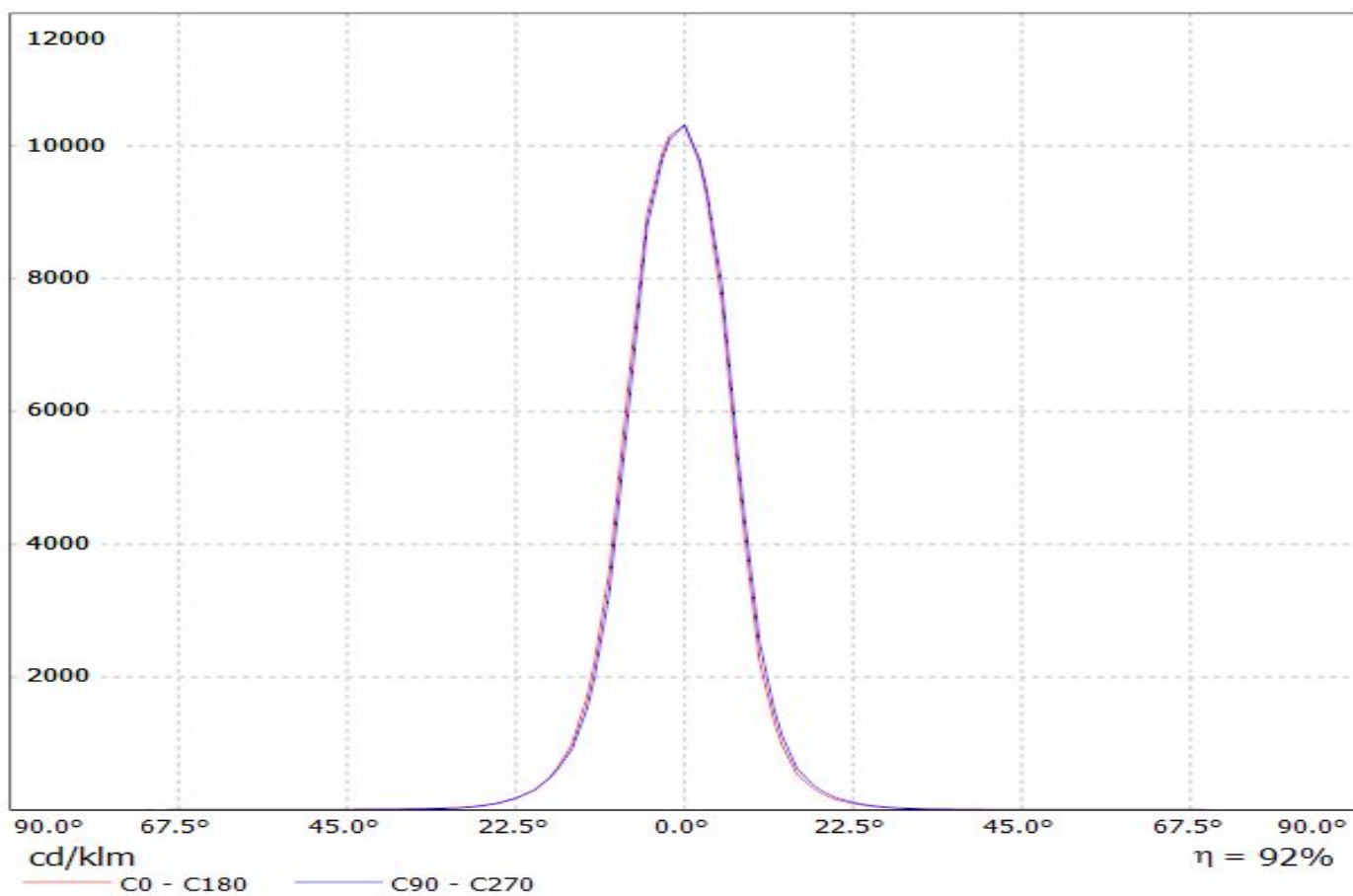
LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
XP-E	8 deg	Real spot	93 %	33.200	-
XP-L	16 deg	Real spot	90 %	10.320	-
XP-E2	8 deg	Real spot	91 %	41.400	-
XB-H	11 deg	Real spot	91 %	20.500	-
XHP35 HI	sim: 12	Real spot	sim: 94 %	sim: 16.100-	-
LUXEON TX	11 deg	Real spot	90 %	20.000	-
LUXEON 3030 2D	9 deg	Real spot	92 %	22.700	-
NVSxx19A	12 deg	Real spot	90 %	17.800	-
NCSxx19A	10 deg	Real spot	90 %	25.300	-
NVSxx19B/NVSxx19C	12 deg	Real spot	90 %	16.300	-
NVSxE21A	sim: 10	Real spot	sim: 94 %	sim: 21.140-	-
SFH 4770S	sim: 10	Real spot	sim: 94 %	-	-
Oslon Black Flat	sim: 6,8	Real spot	sim: 94 %	sim: 48.300-	-
Oslon Black	sim: 9,5	Real spot	sim: 97 %	sim: 23.000-	-
LH351Z	sim: 10	Real spot	sim: 93 %	sim: 25.000-	-
Z5M1/Z5M2	11 deg	Real spot	91 %	20.000	-



Relative intensity of CA13628_G2-LAURA-RS-P_(NVSxx19B)

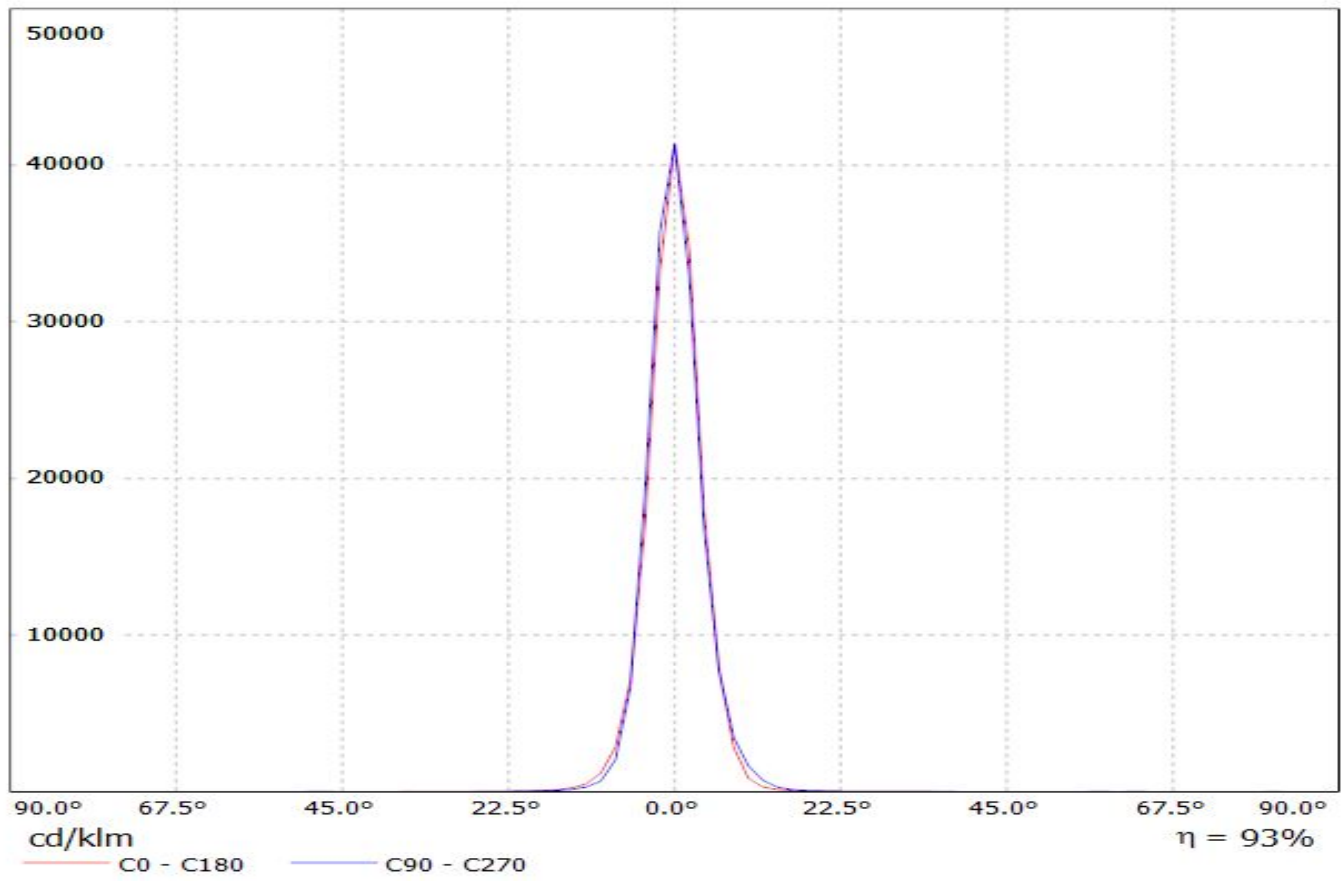


Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_(XP-L) Efficiency=90%
Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA



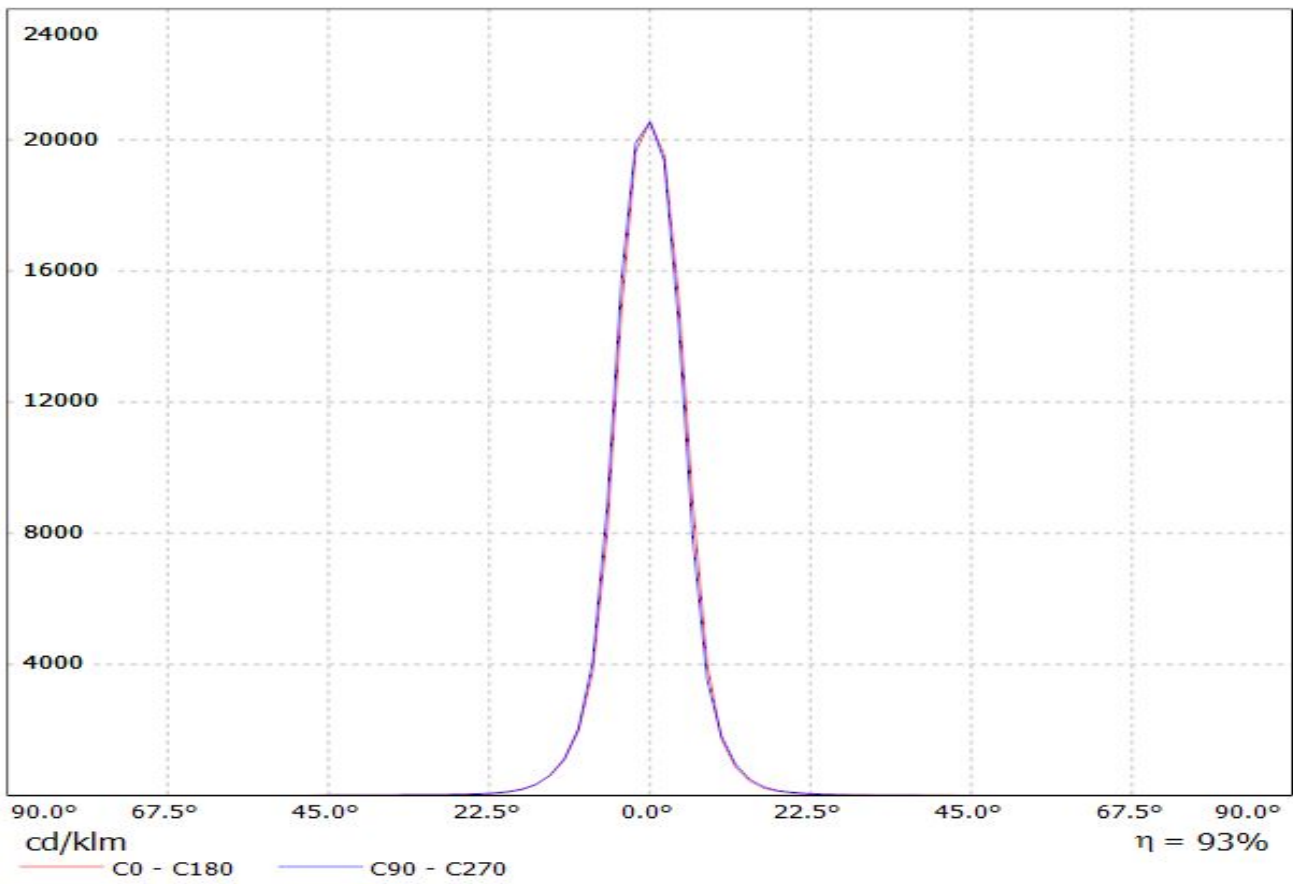
Luminaire: LEDil Oy CA13628_G2-LAURA-RS-P_(XP-E2)

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

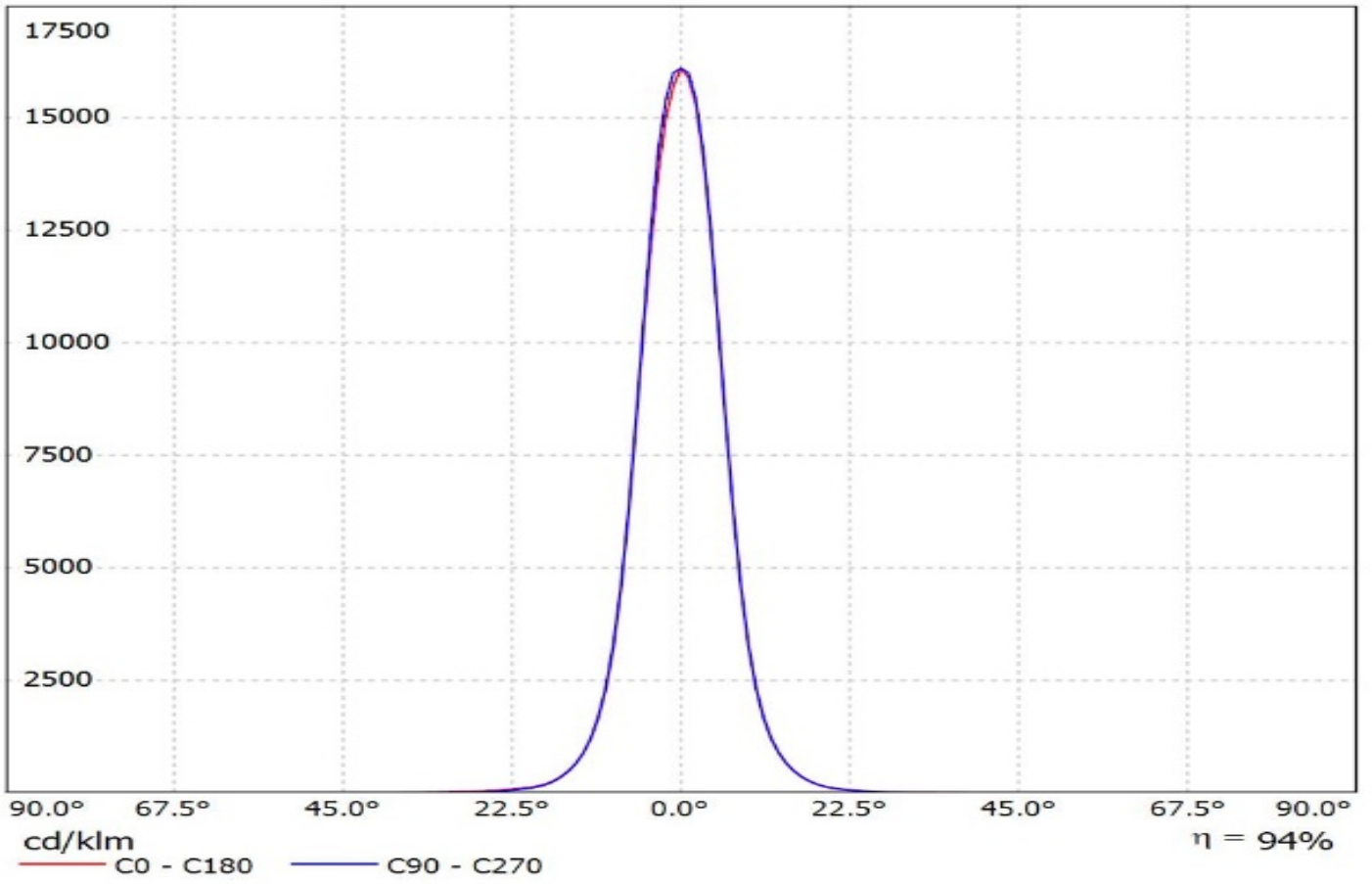


Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_(XB-H)

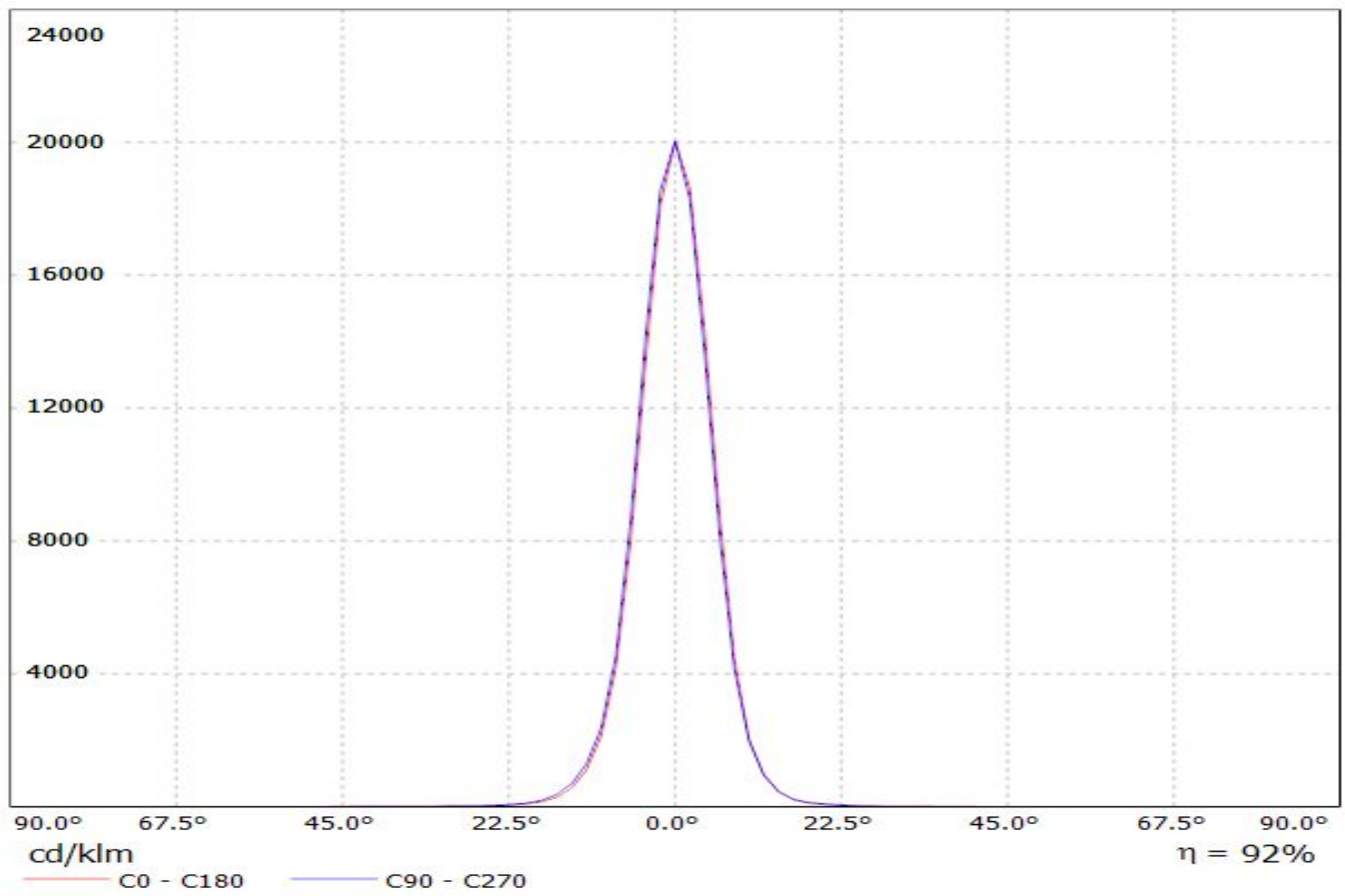
Lamps: 1 x Cree XB-H (XBHAWT-0-3C0-T50-0B-0001) 106lm @ 250mA CCT= P=0.73W I=250mA



Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_(XHP35_HI)_SIMULATED
Lamps: 1 x Cree XHP35 HI

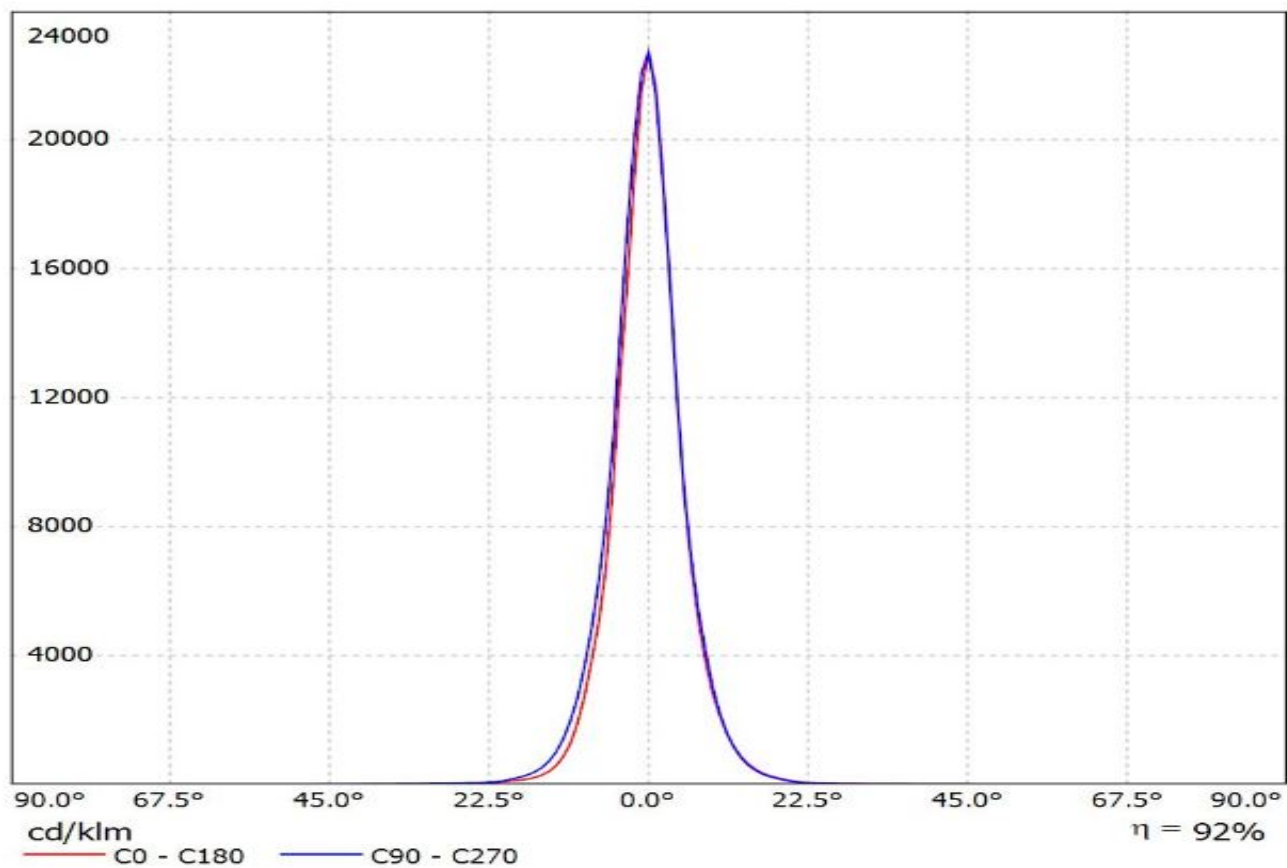


Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_(Luxeon_TX) Efficiency=90%
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA



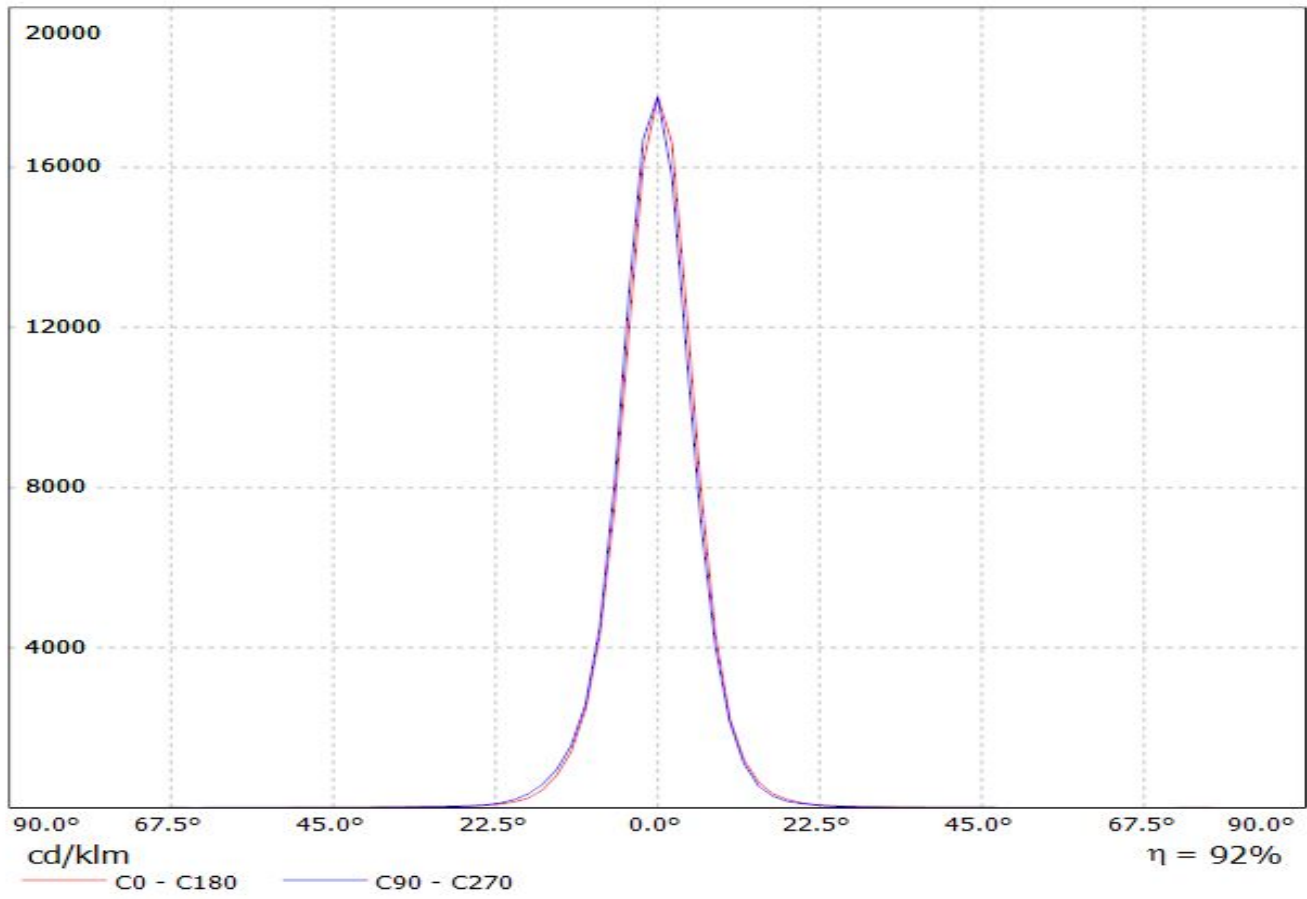
Luminaire: Ledil CA13628_G2-LAURA-RS-P_(LUXEON_3030_2D)

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

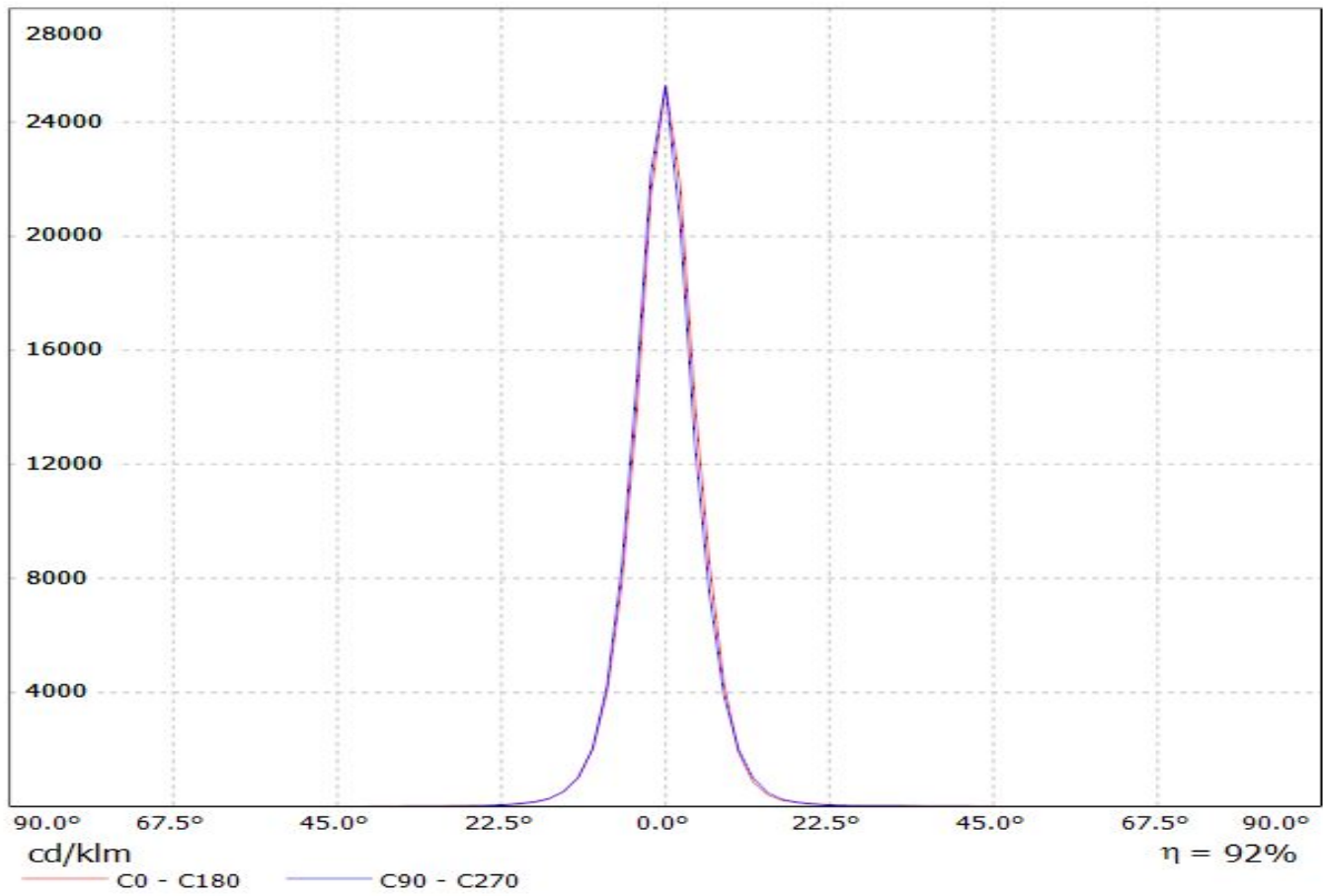


Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_(NVS19)

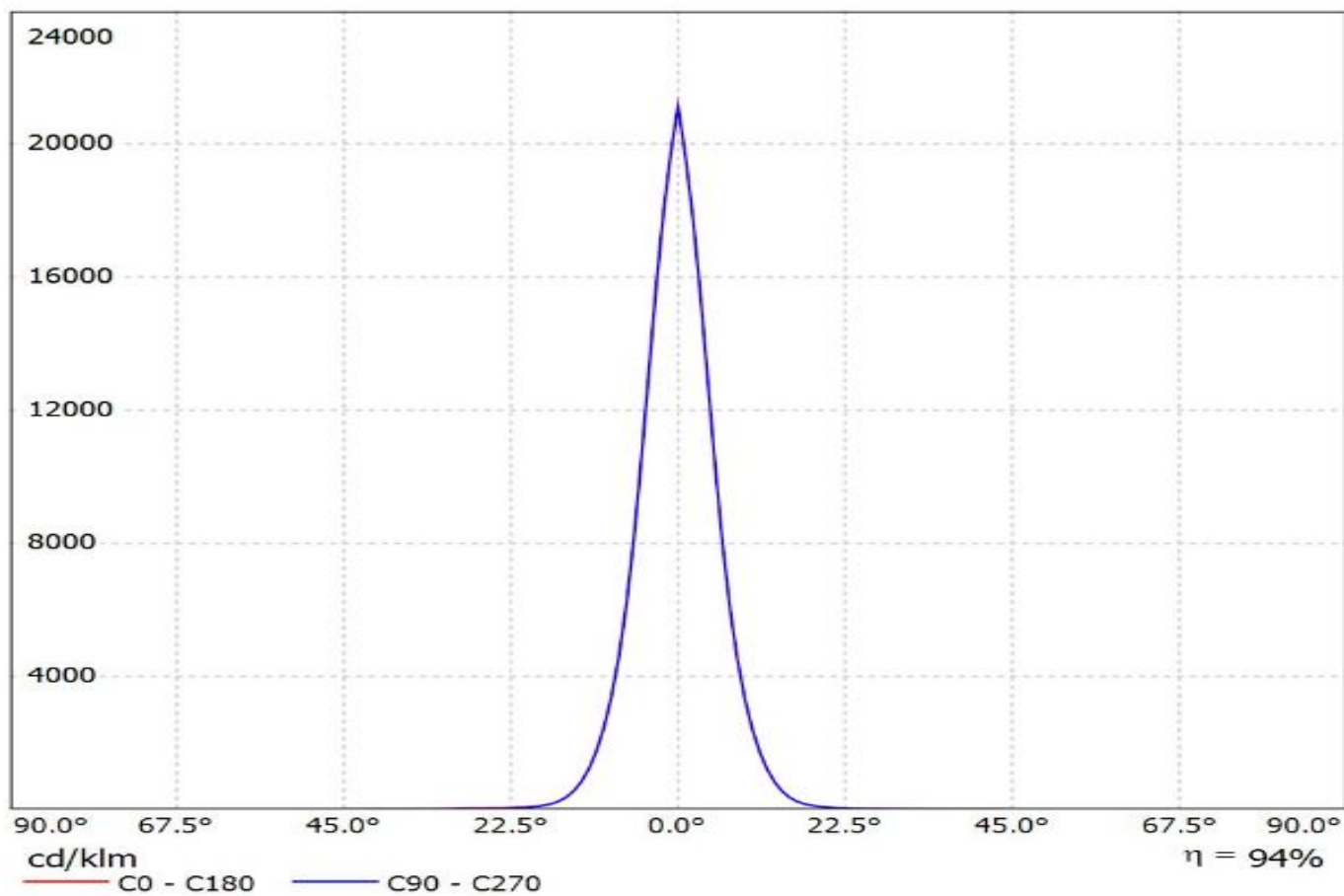
Lamps: 1 x Nichia NVSxx19A 93lm @ 250mA CCT=5010K P=0.75W I=250mA



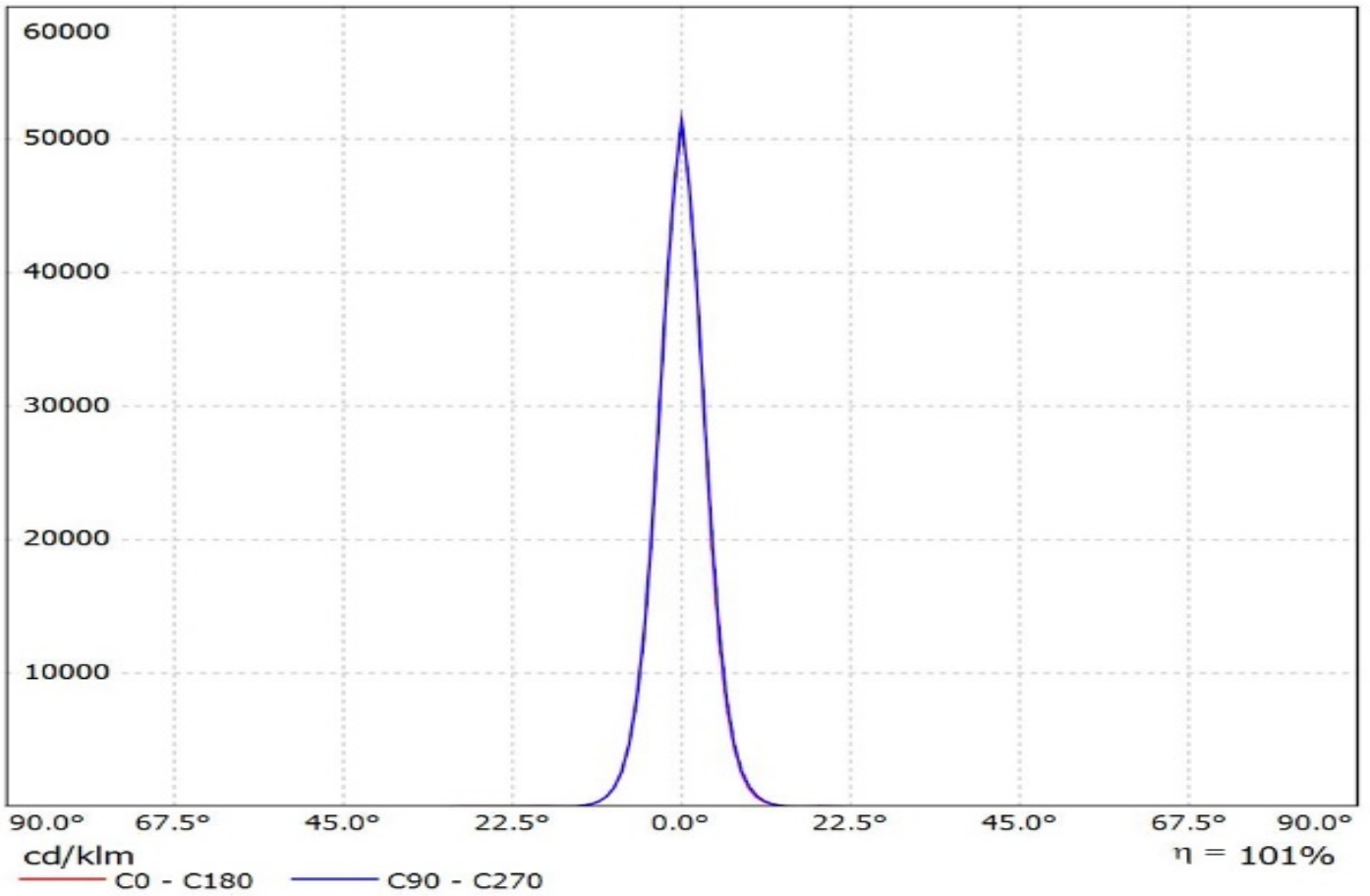
Luminaire: LEDiL CA13628_G2-LAURA-RS-P_(NCS19)
Lamps: 1 x Nichia NCSxx19A 67lm @ 250mA CCT= P=0.77W I=250mA



Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_NICHIA_NVSWE21A_SIMULATED
Lamps: 1 x NICHIA NVSWE21A

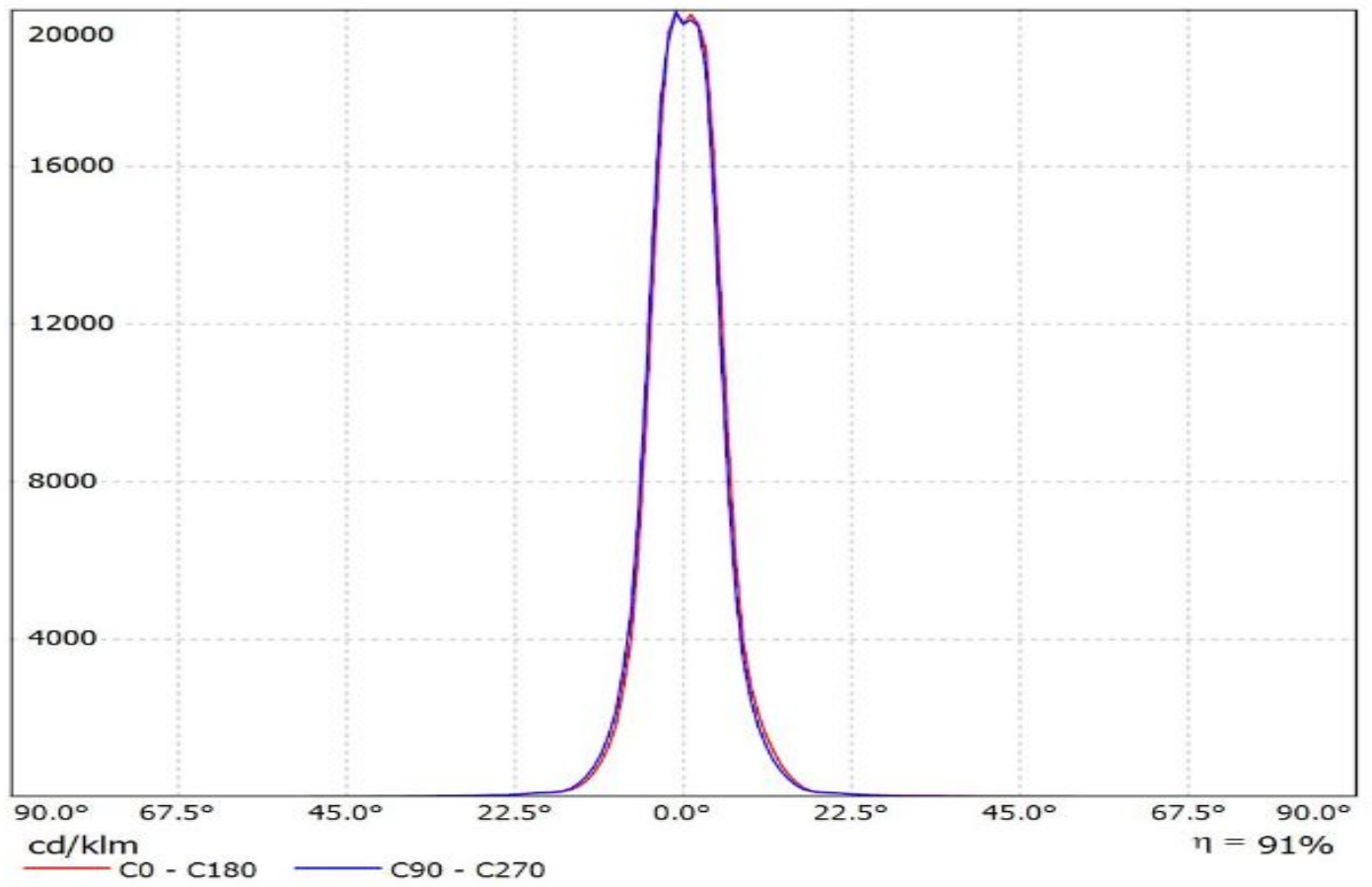


Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_(Oslon_Black_Flat)_SIMULATED
Lamps: 1 x Osram Oslon Black Flat (LUW HWQP)

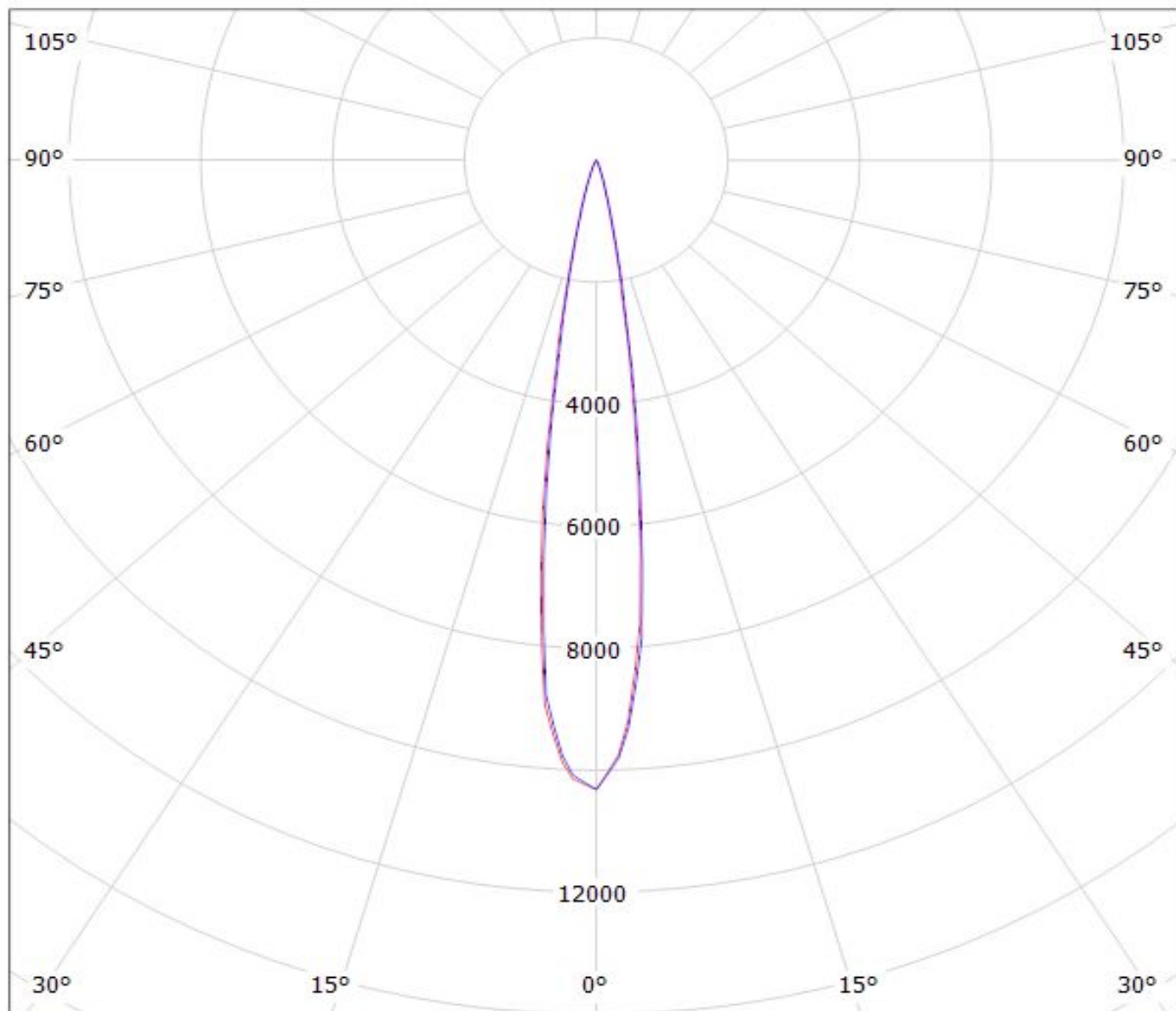


Luminaire: Ledil CA13628_G2-LAURA-RS-P_(Z5M1)

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



Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_(XP-L) Efficiency=90%
Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA



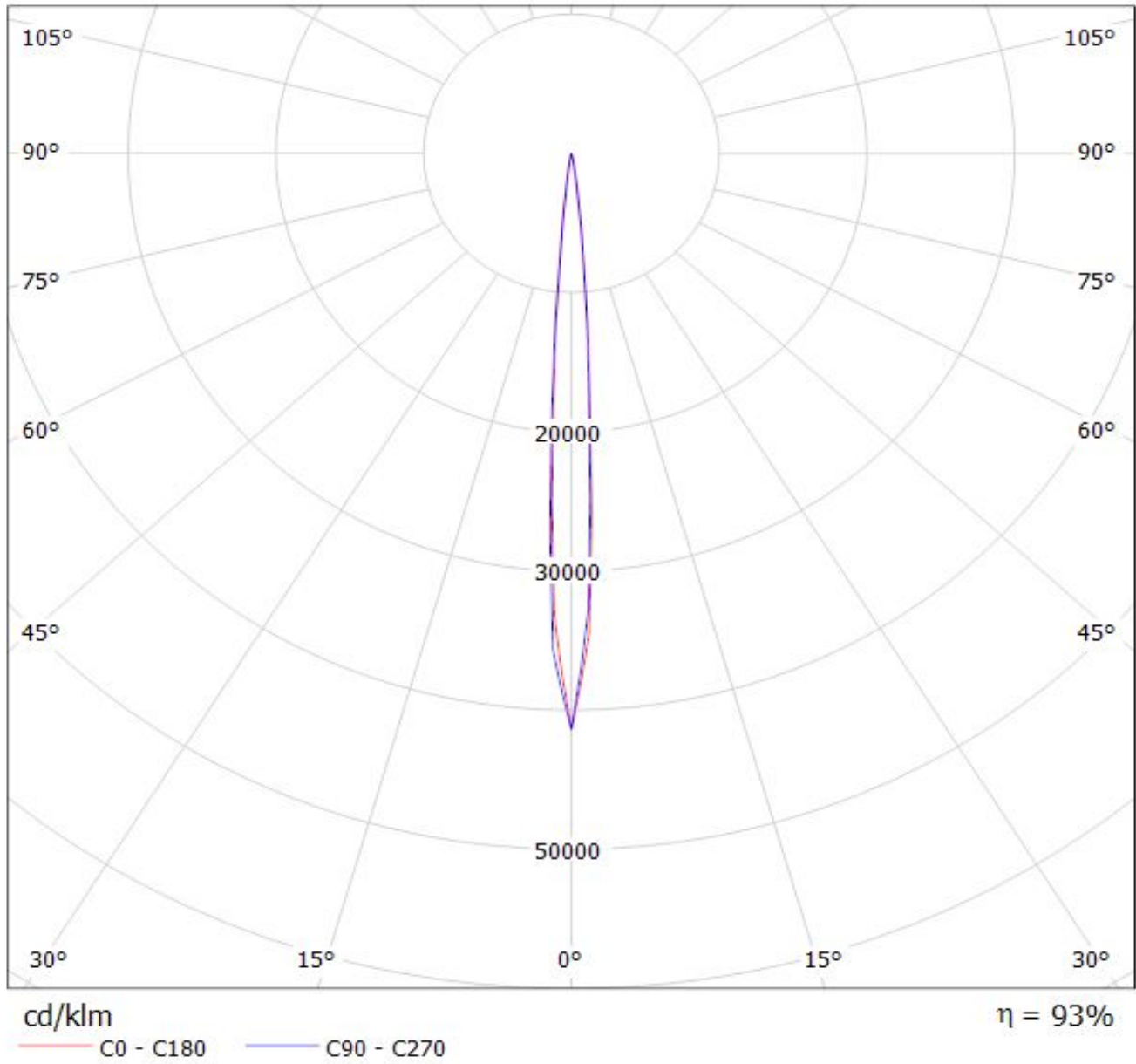
cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

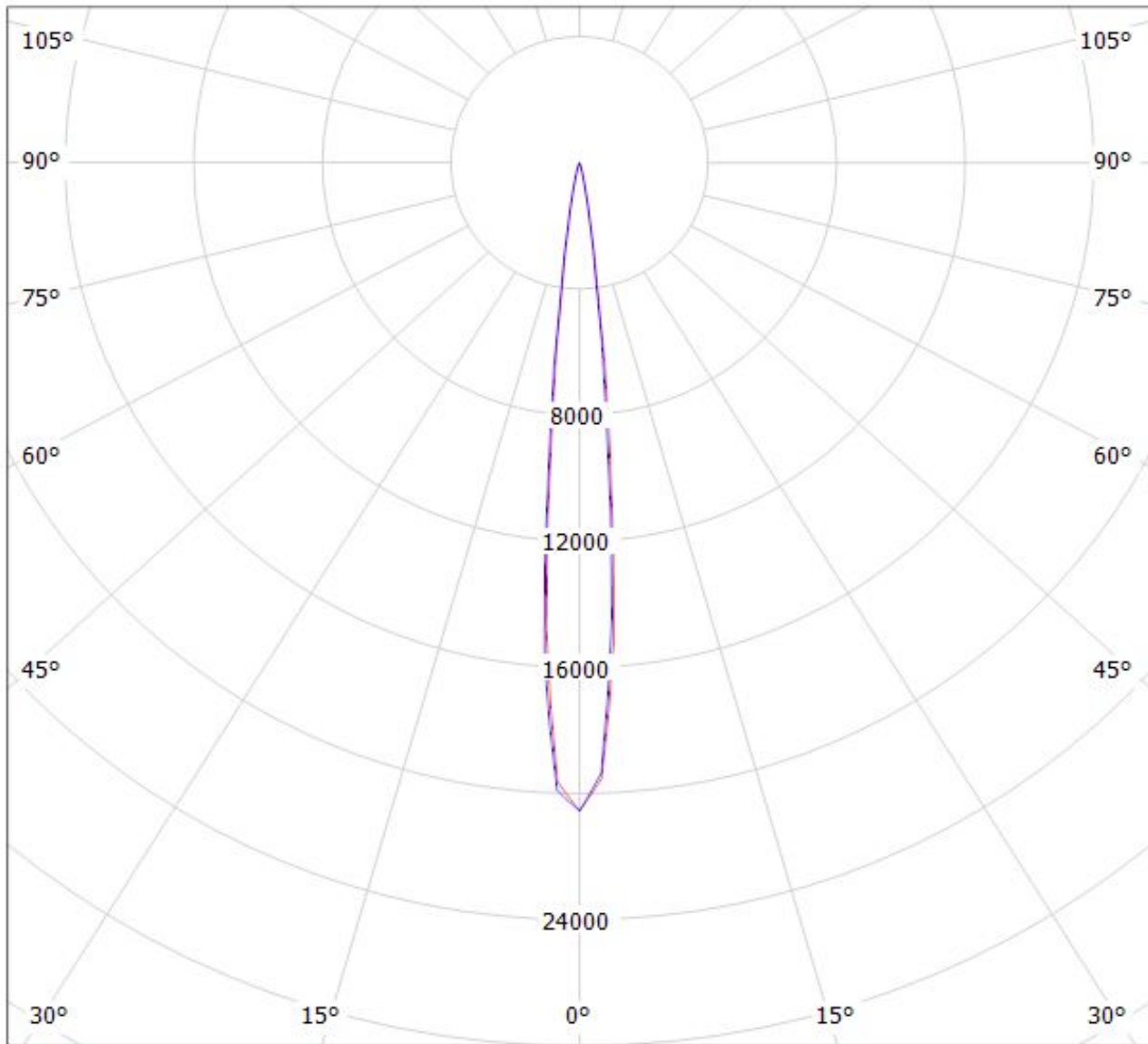
Luminaire: LEDil Oy CA13628_G2-LAURA-RS-P_(XP-E2)

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



Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_(XB-H)

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



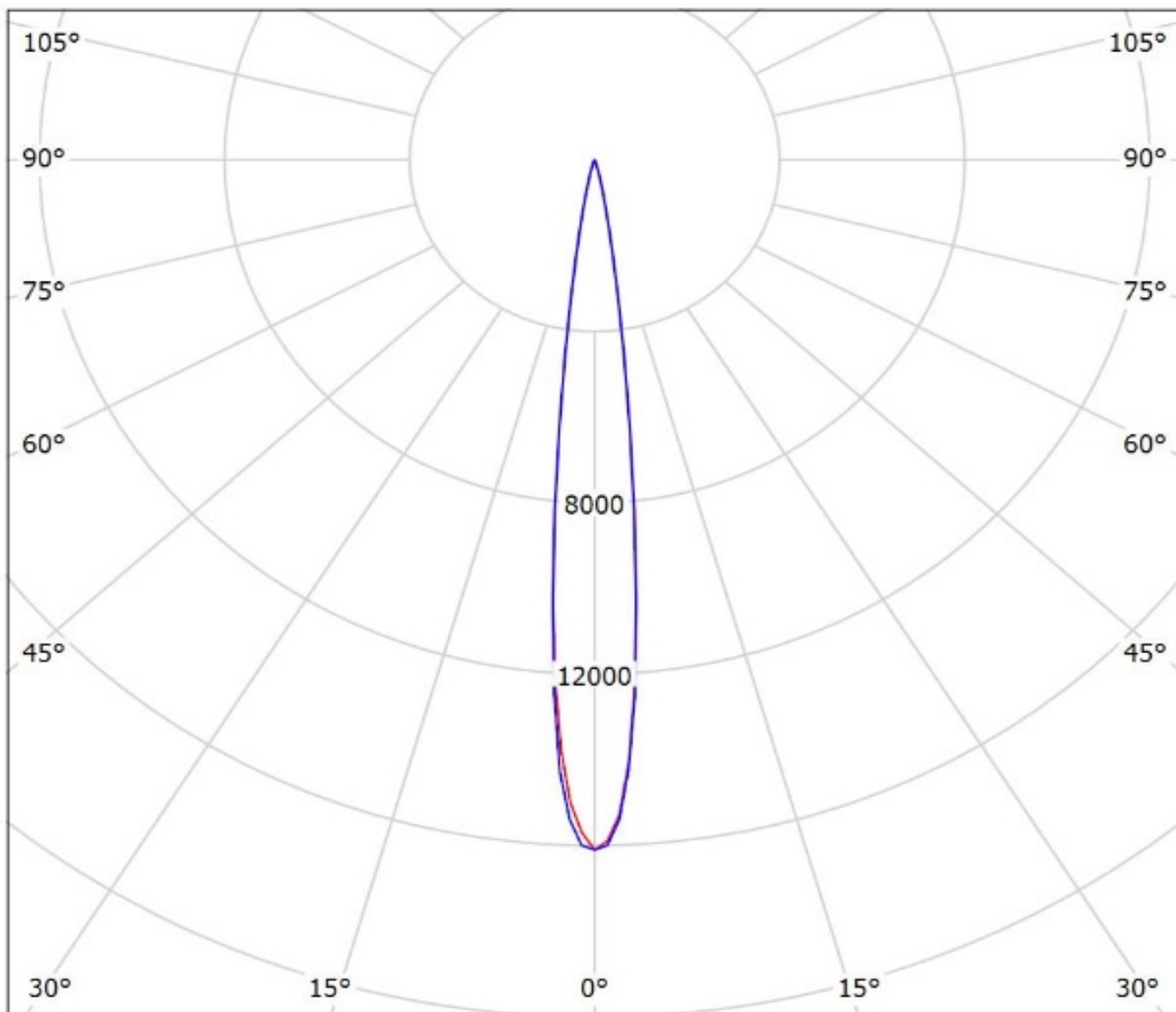
cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

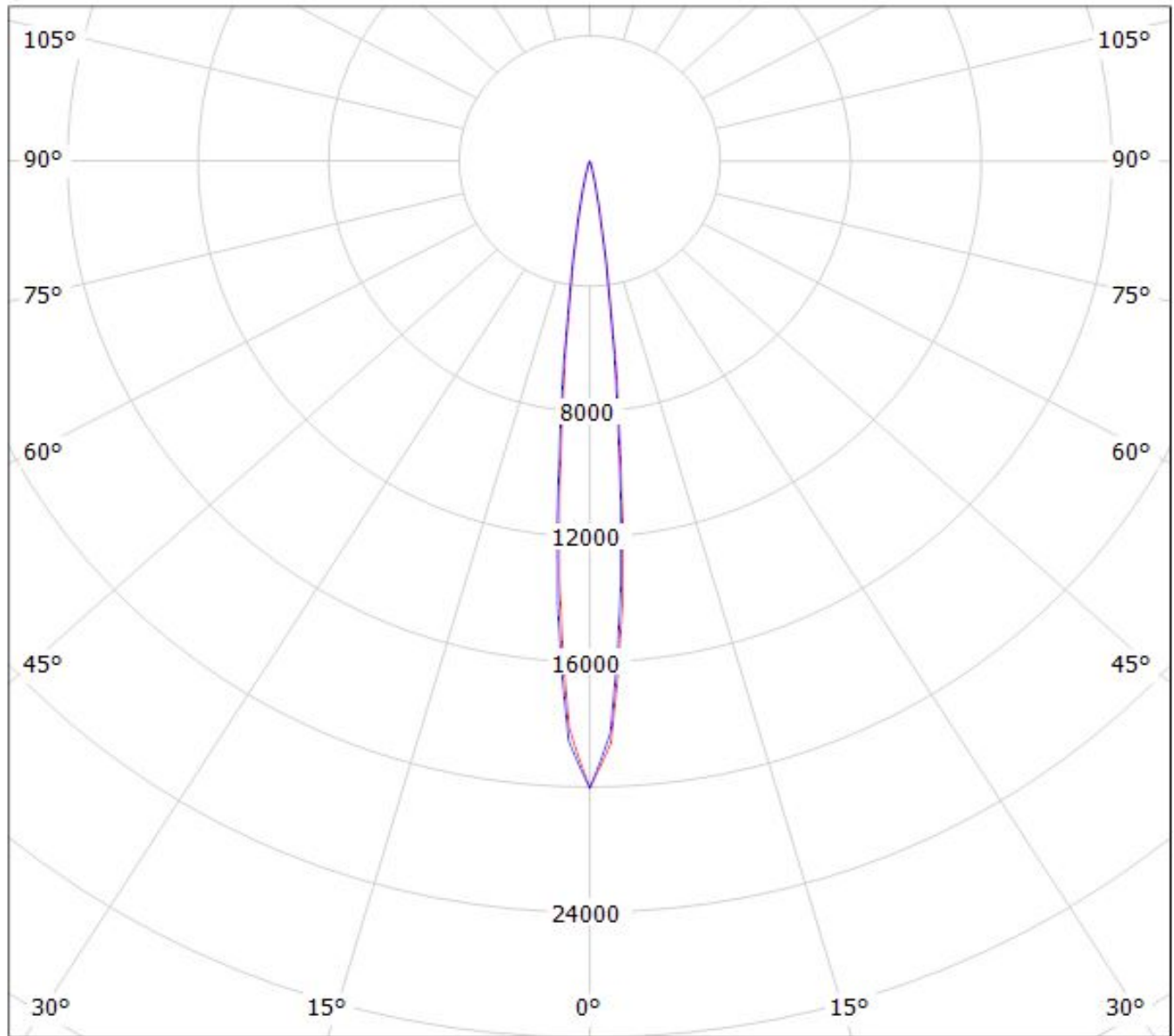
Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_(XHP35_HI)_SIMULATED
Lamps: 1 x Cree XHP35 HI



cd/klm
— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_(Luxeon_TX) Efficiency=90%
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA



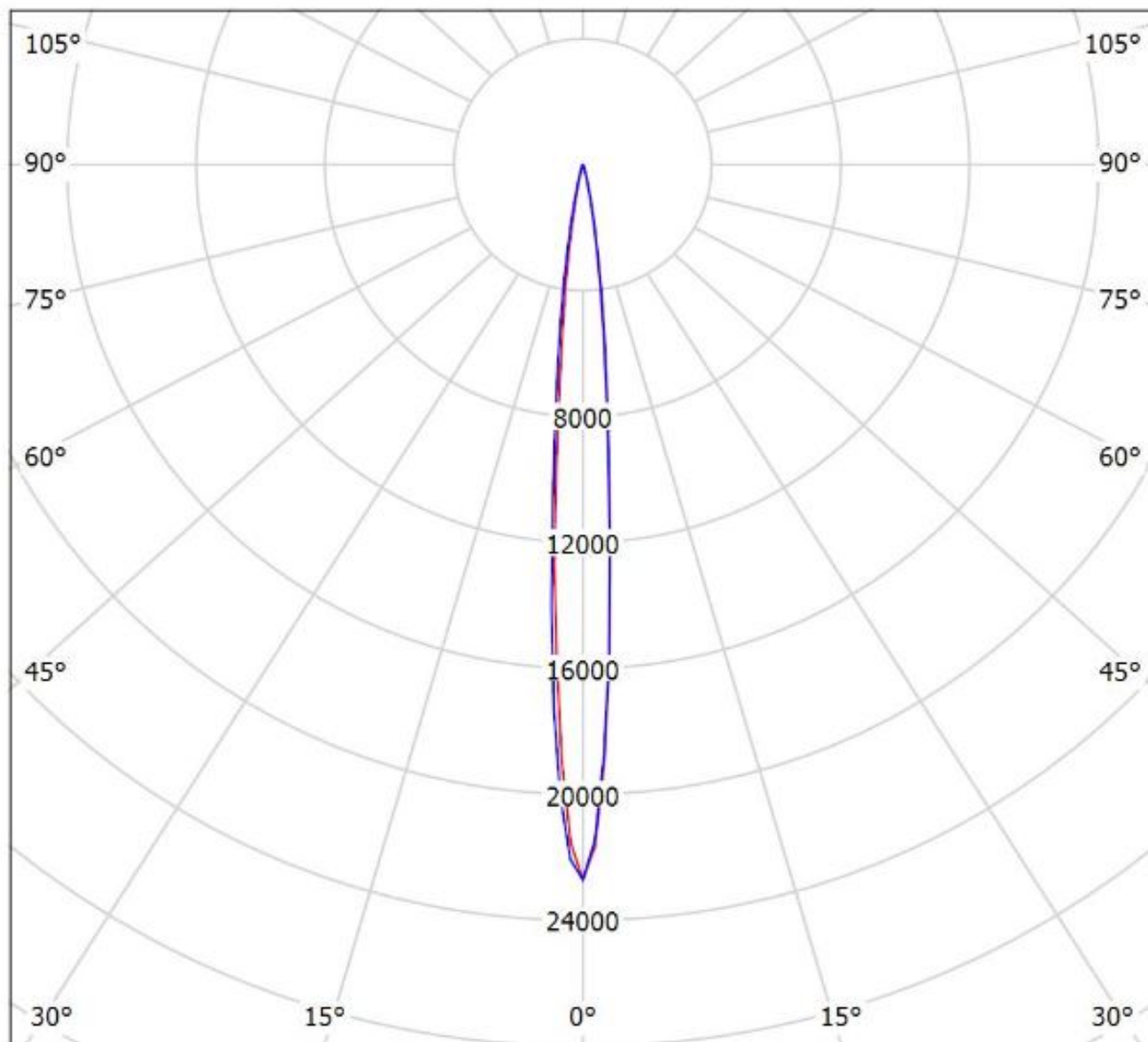
cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: Ledil CA13628_G2-LAURA-RS-P_(LUXEON_3030_2D)

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



cd/klm

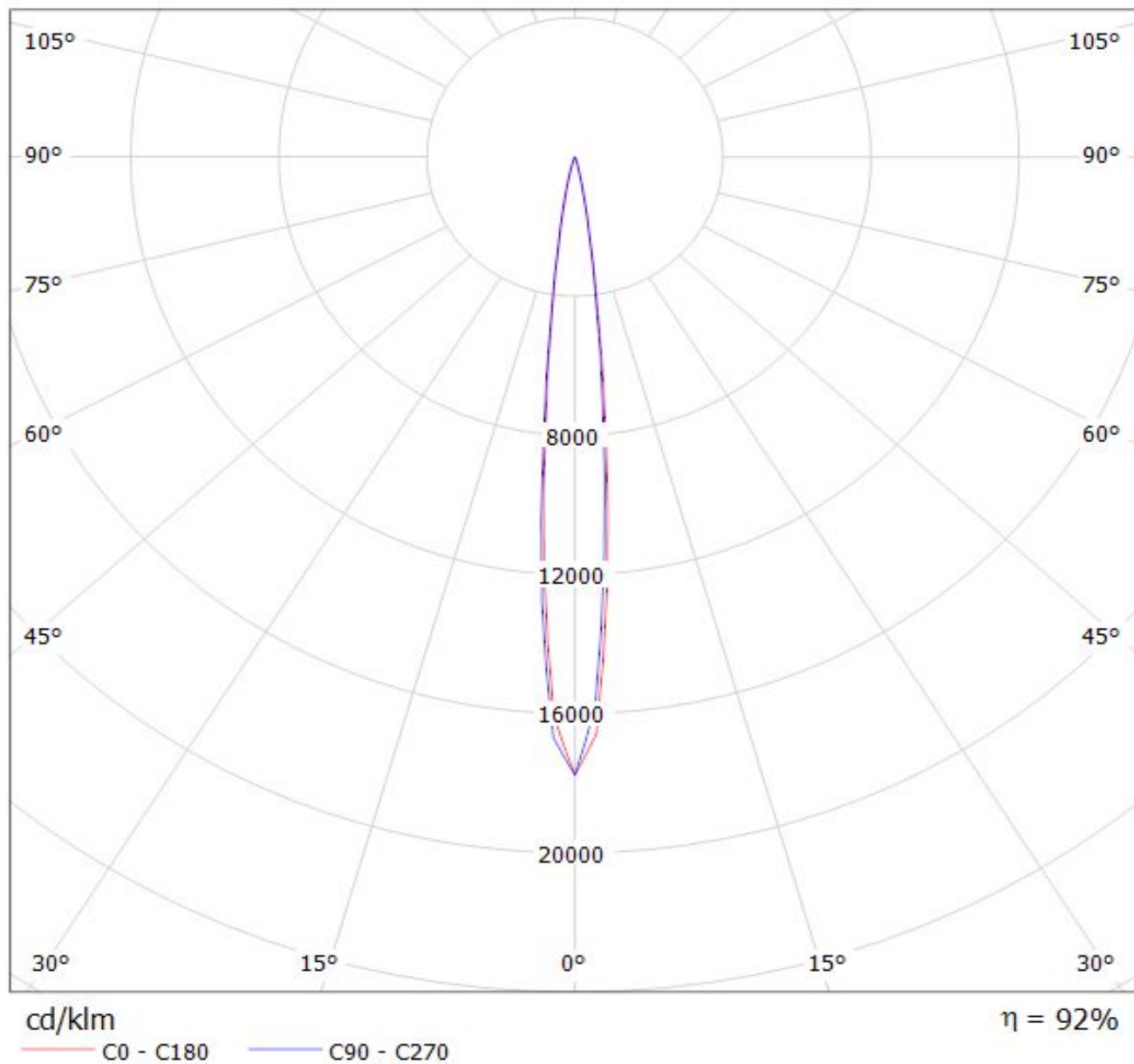
— C0 - C180

— C90 - C270

η = 92%

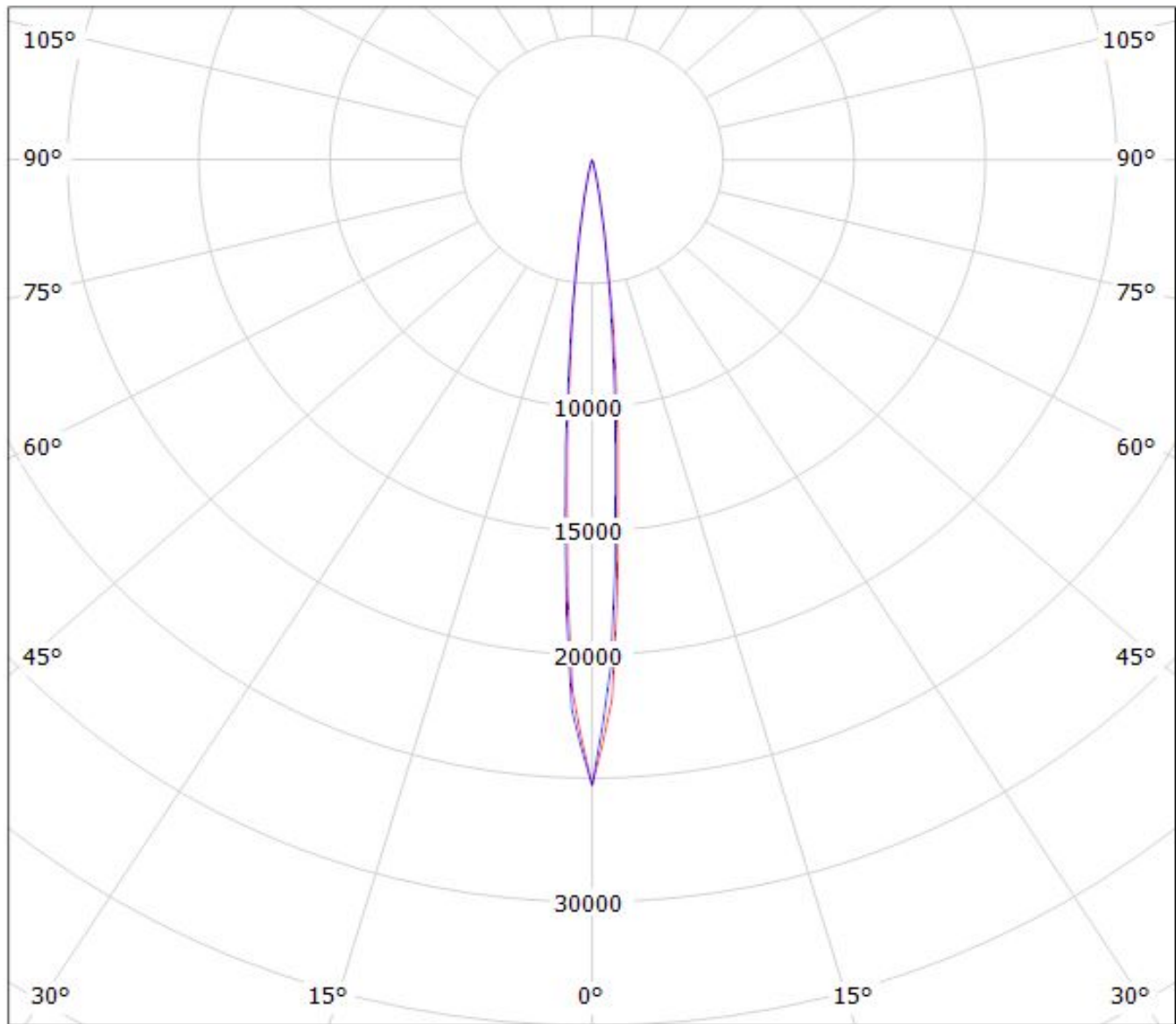
Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_(NVS19)

Lamps: 1 x Nichia NVSxx19A 93lm @ 250mA CCT=5010K P=0.75W I=250mA



Luminaire: LEDiL CA13628_G2-LAURA-RS-P_(NCS19)

Lamps: 1 x Nichia NCSxx19A 67lm @ 250mA CCT= P=0.77W I=250mA



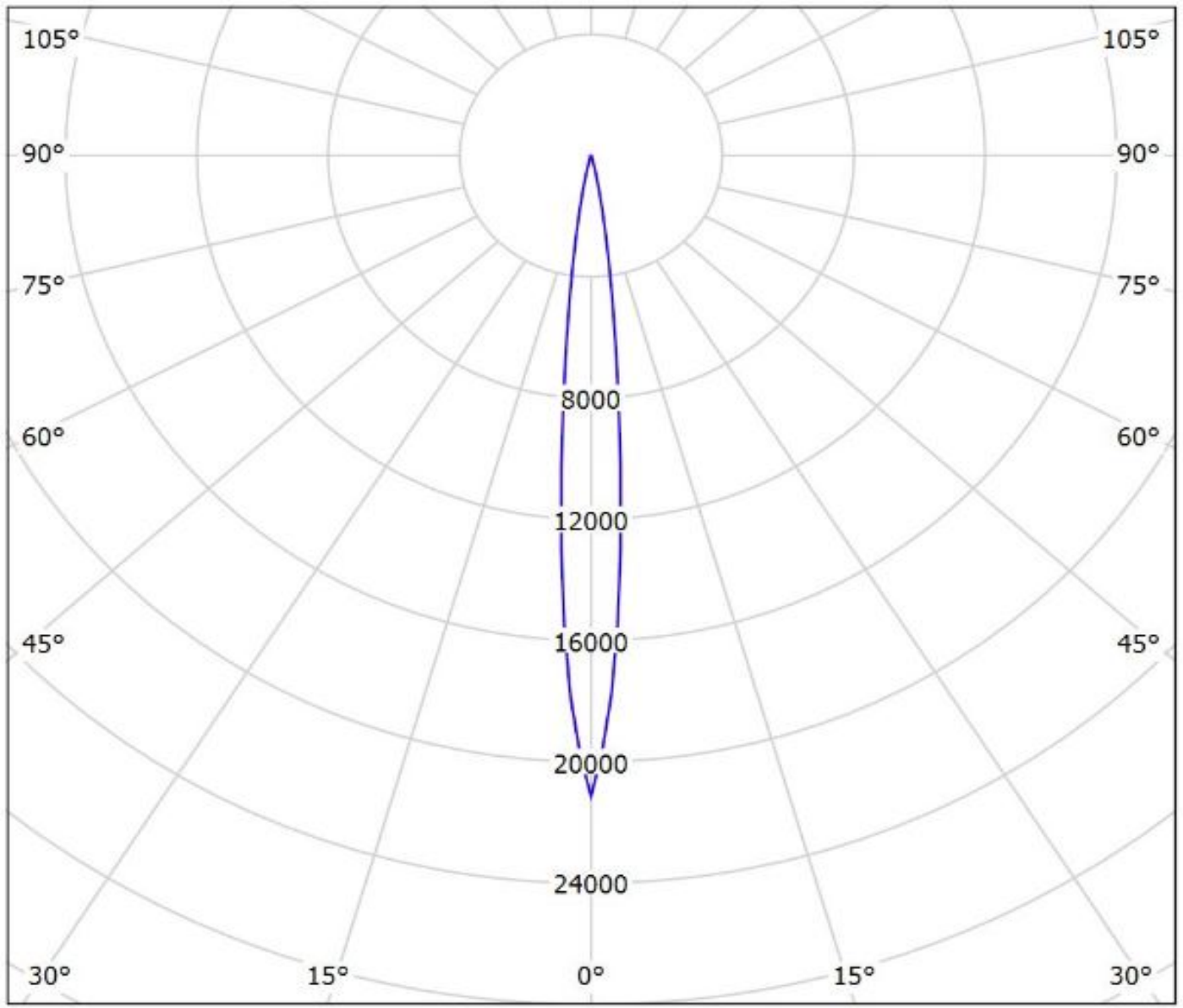
cd/klm

— C0 - C180

— C90 - C270

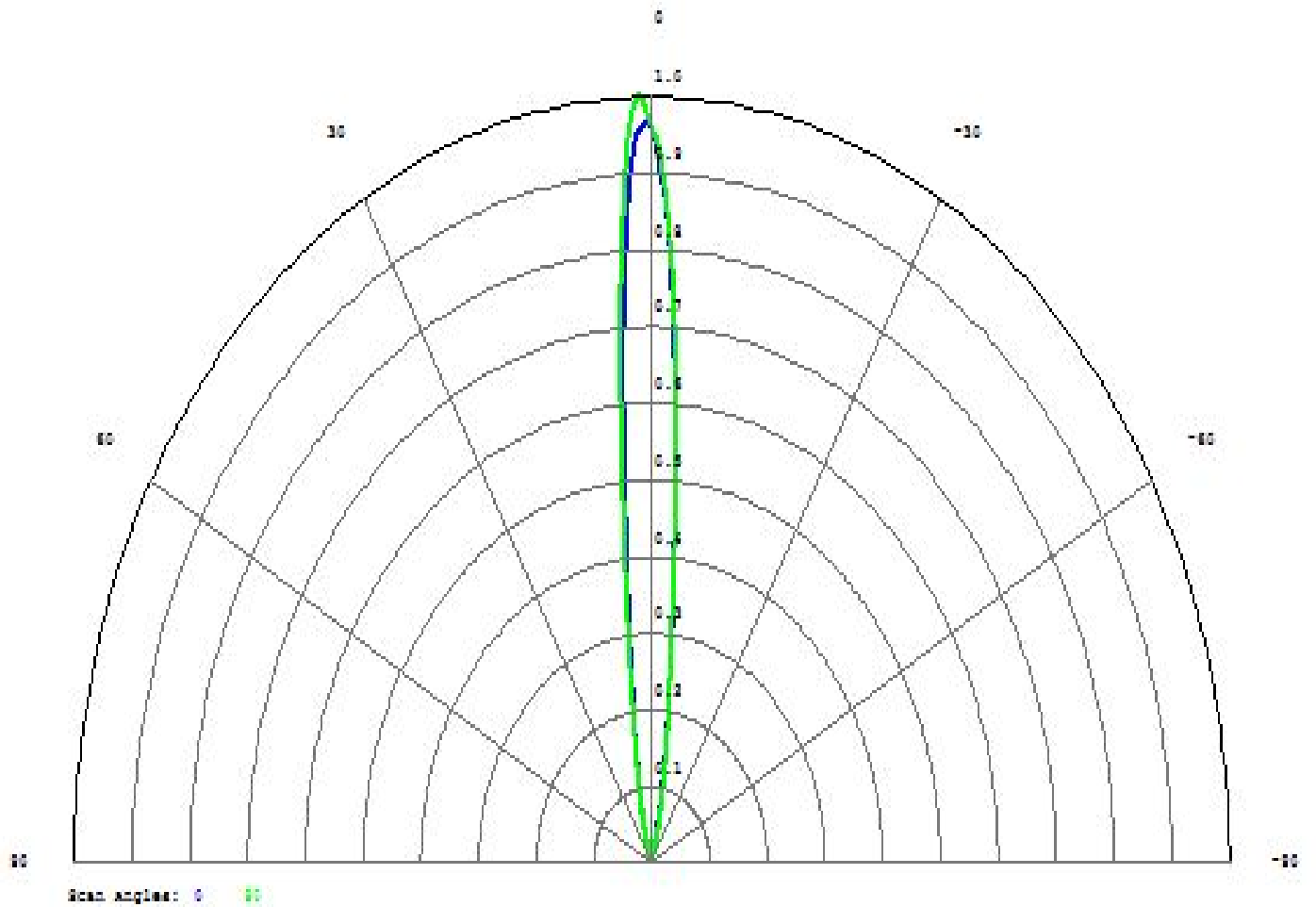
$\eta = 92\%$

Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_NICHIA_NVSWE21A_SIMULATED
Lamps: 1 x NICHIA NVSWE21A



cd/klm
— C0 - C180 — C90 - C270

$\eta = 94\%$

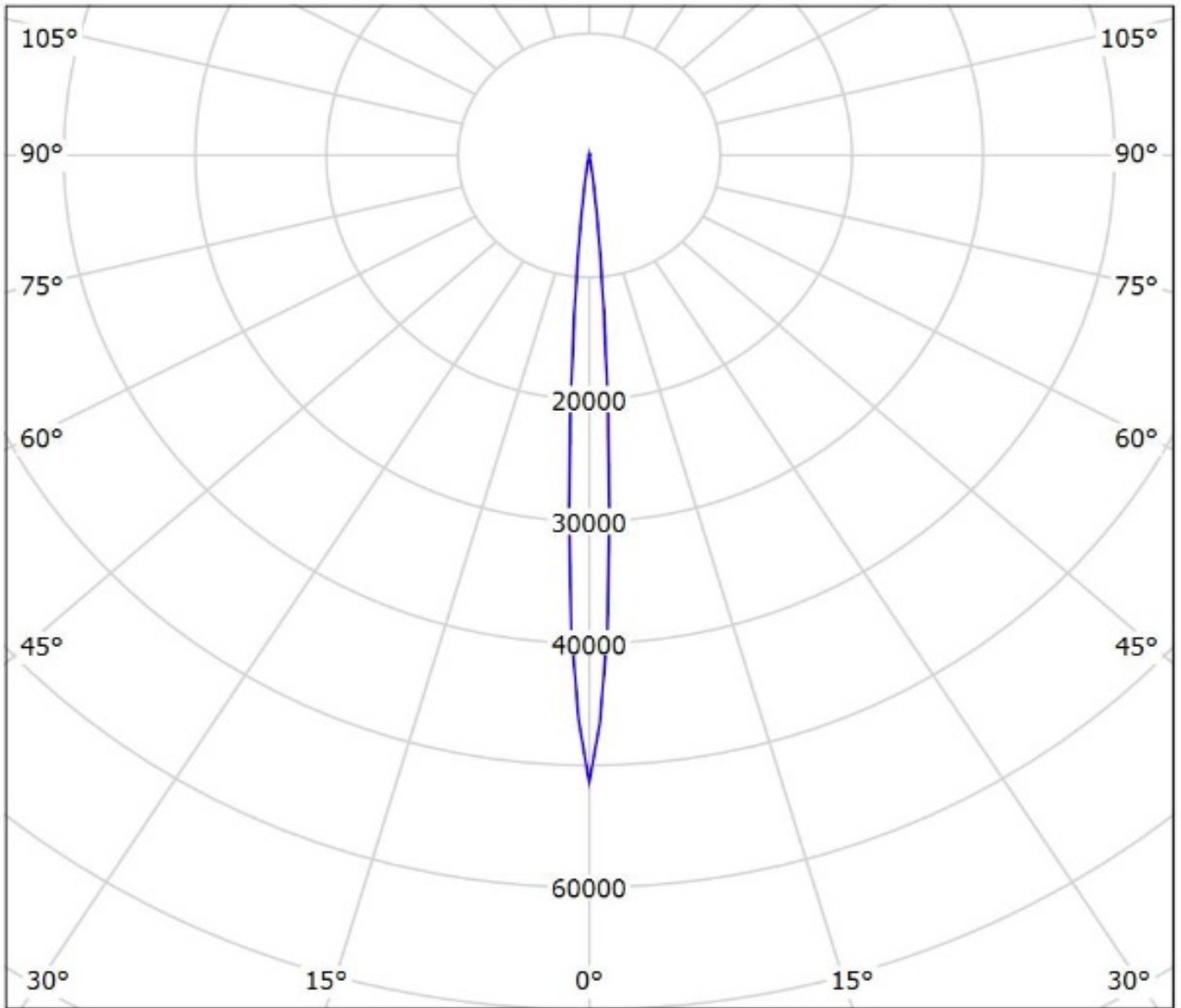


Detector Image: Radiant Intensity

8.4.2016
 Detector 3, NSCG Surface 1:
 Scan Angles: 0, 90
 Peak Intensity : 1.745E+001 Watts/Steradian

CA13628 G2-LAURA-RS-P SFH 4770S.ZMX
 Configuration 1 of 1

Luminaire: Ledil Oy CA13628_G2-LAURA-RS-P_(Oslon_Black_Flat)_SIMULATED
Lamps: 1 x Osram Oslon Black Flat (LUW HWQP)

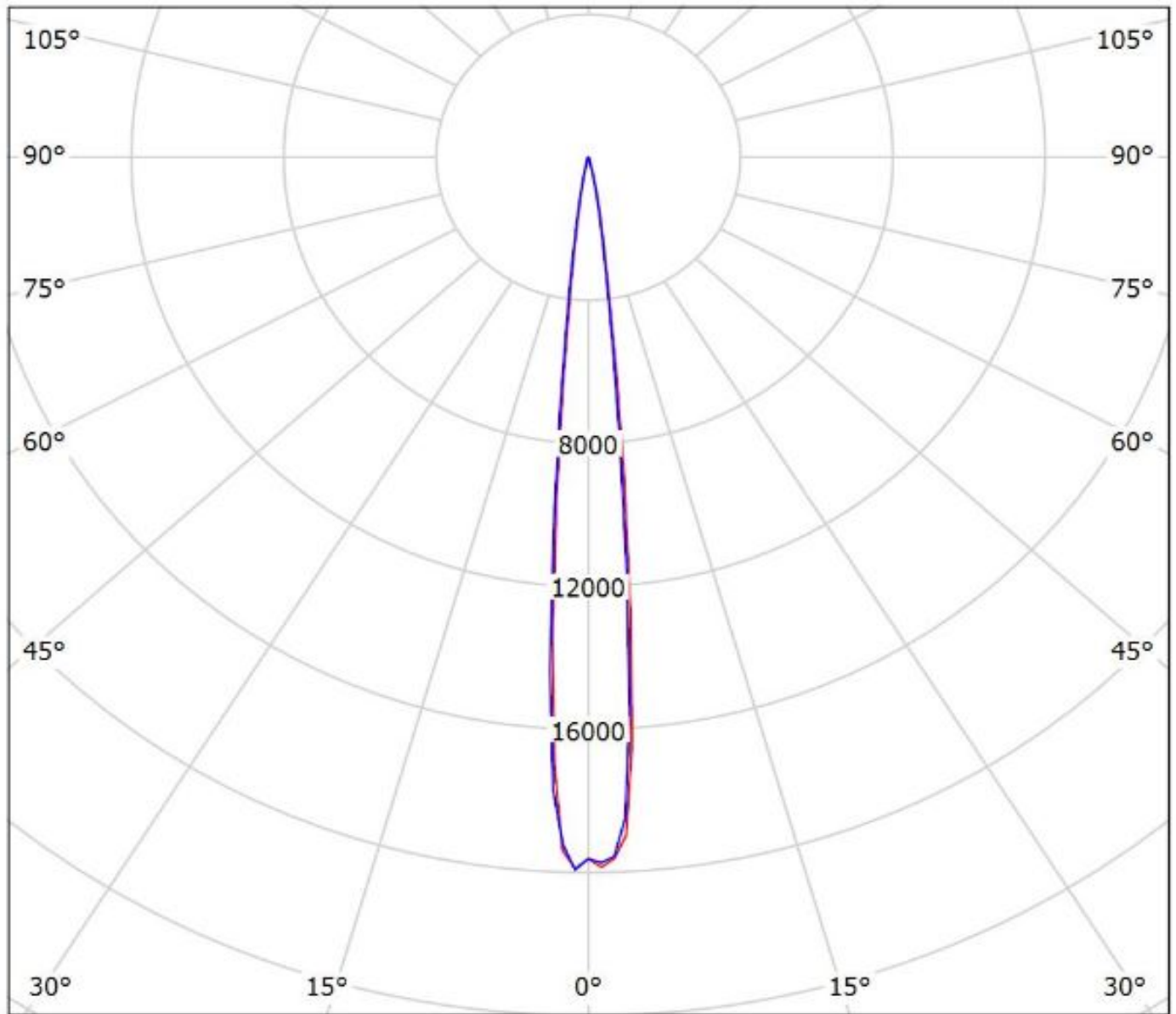


cd/klm
— C0 - C180 — C90 - C270

$\eta = 101\%$

Luminaire: Ledil CA13628_G2-LAURA-RS-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

$\eta = 91\%$

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.