

## DETAILS

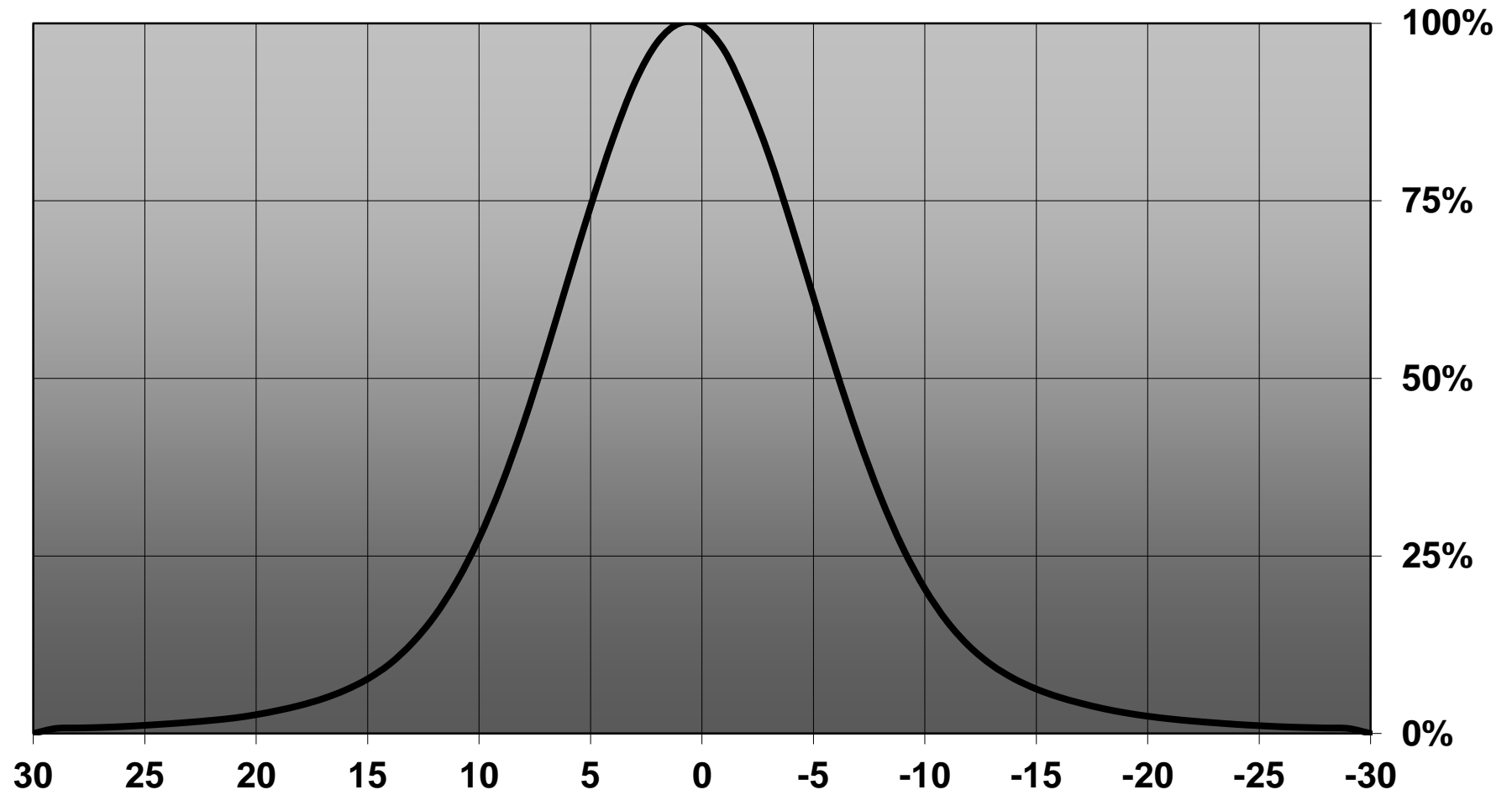
<b>Product Number</b>	CA13630_G2-LAURA-SS-P
<b>Family</b>	Laura
<b>Type</b>	Assembly
<b>Color</b>	white
<b>Diameter</b>	21,6 x 21,6 mm
<b>Height</b>	13,1 mm
<b>Style</b>	square
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	tape, pin
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	21/04/2016

## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XP-E	11 deg	Smooth spo...93 %		16.500	-
XP-L	16 deg	Smooth spo...89 %		8.500	-
XB-D	13 deg	Smooth spo...88 %		13.500	-
XP-E2	12 deg	Smooth spo...90 %		17.400	-
XP-G2	13 deg	Smooth spo...90 %		14.000	-
XT-E	13 deg	Smooth spo...90 %		12.400	-
XB-H	13 deg	Smooth spo...90 %		13.300	-
XHP35 HI	sim: 14	Smooth spo...sim: 94 %	sim: 12.800-		
XP-L2	17 deg	Smooth spo...88 %		6.600	-
LUXEON TX	14 deg	Smooth spo...90 %		12.500	-
LUXEON 3030 2D	13 deg	Smooth spo...91 %		11.400	-
NCSxx19A	14 deg	Smooth spo...91 %		12.500	-
NVSxx19A	15 deg	Smooth spo...88 %		10.400	-
NVSxx19B/NVSxx19C	14 deg	Smooth spo...89 %		11.400	-
Oslon Square EC	13 deg	Smooth spo...90 %		13.200	-
SFH 4770S	sim: 13	Smooth spo...sim: 94 %	-		
Oslon Black Flat	sim: 11	Smooth spo...sim: 94 %	sim: 21.300-		
Oslon Black	sim: 13	Smooth spo...sim: 96 %	sim: 13.800-		
Z5M1/Z5M2	12 deg	Smooth spo...90 %		13.140	-
Z8Y22P	sim: 13	Smooth spo...sim: 97 %	sim: 11.850-		

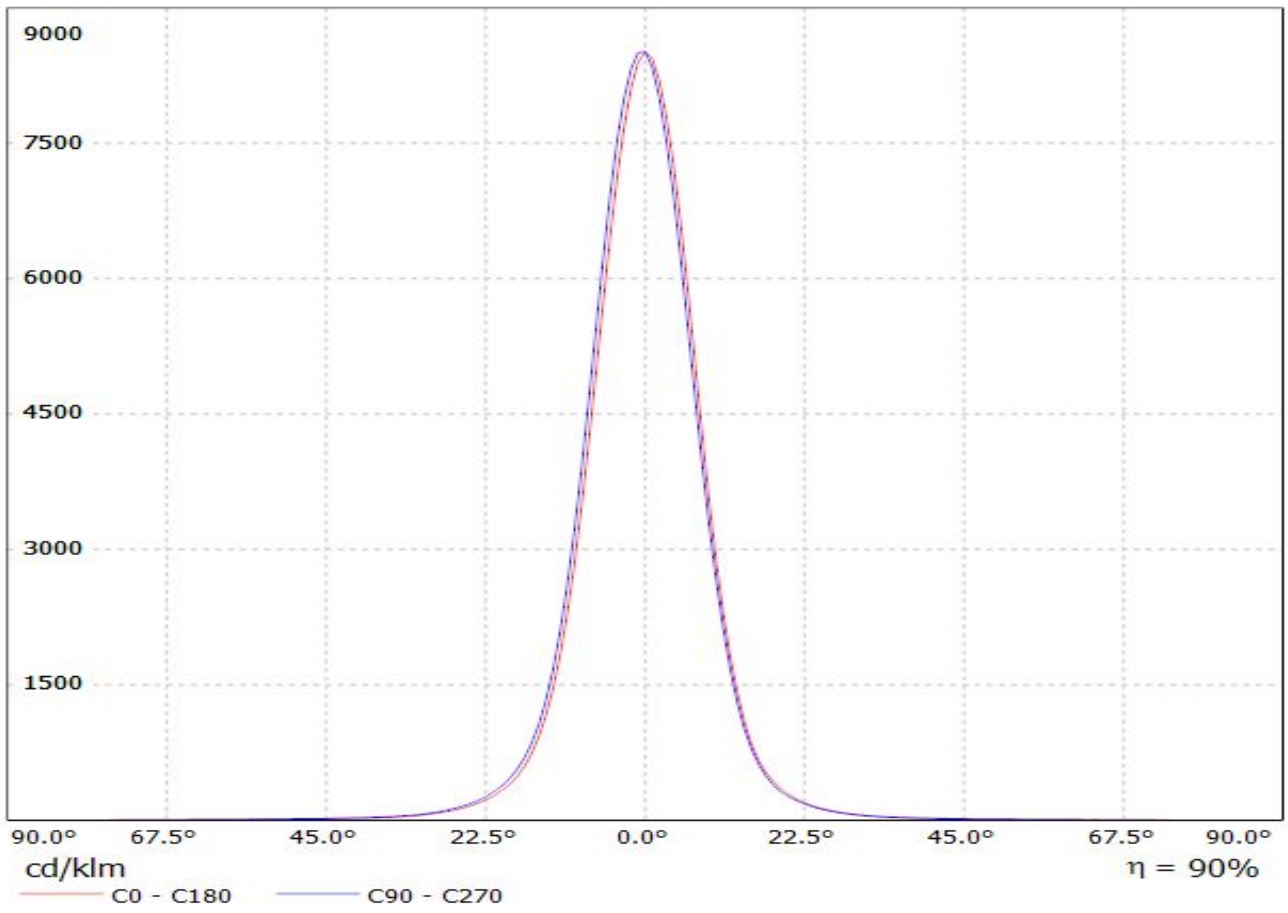


### Relative intensity of CA13630\_G2-LAURA-SS-P\_(NVSxx19B)

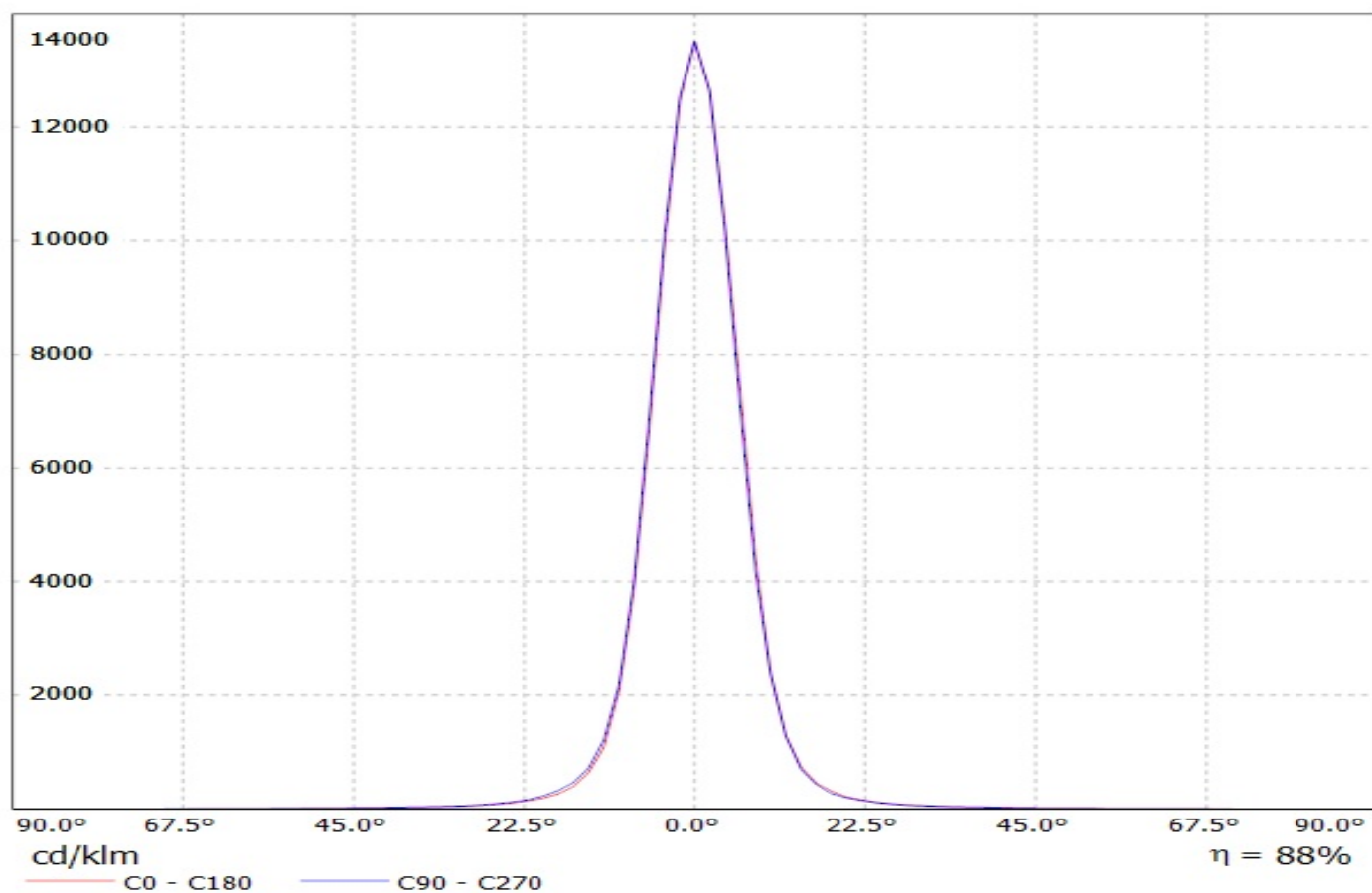




Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(XP-L) Efficiency=89%  
Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA

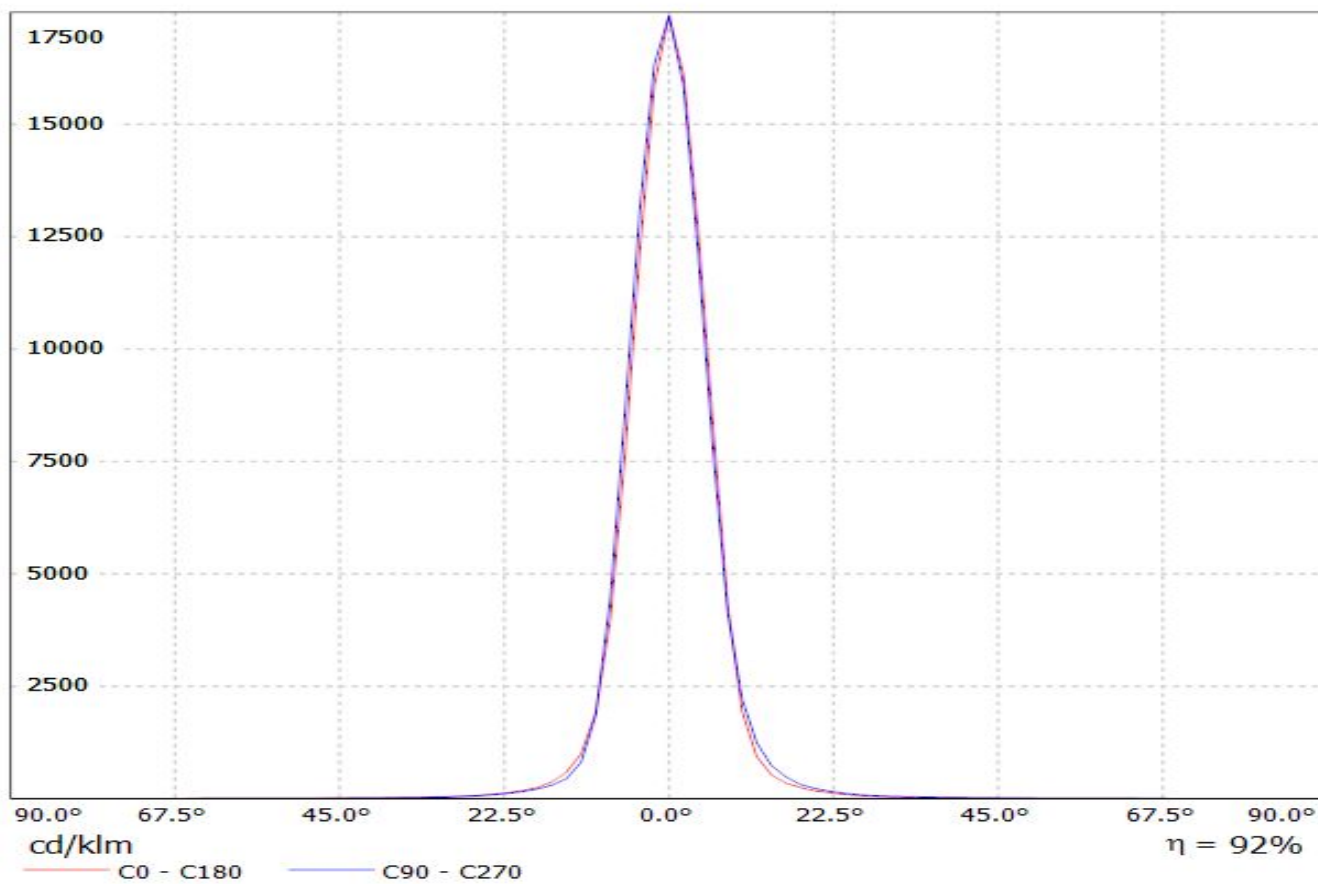


Luminaire: LEDil Oy CA13630\_G2-LAURA-SS-P\_(XB-D)  
Lamps: 1 x Cree XB-D (97.2lm @ 250mA) P=0.8W I=250mA

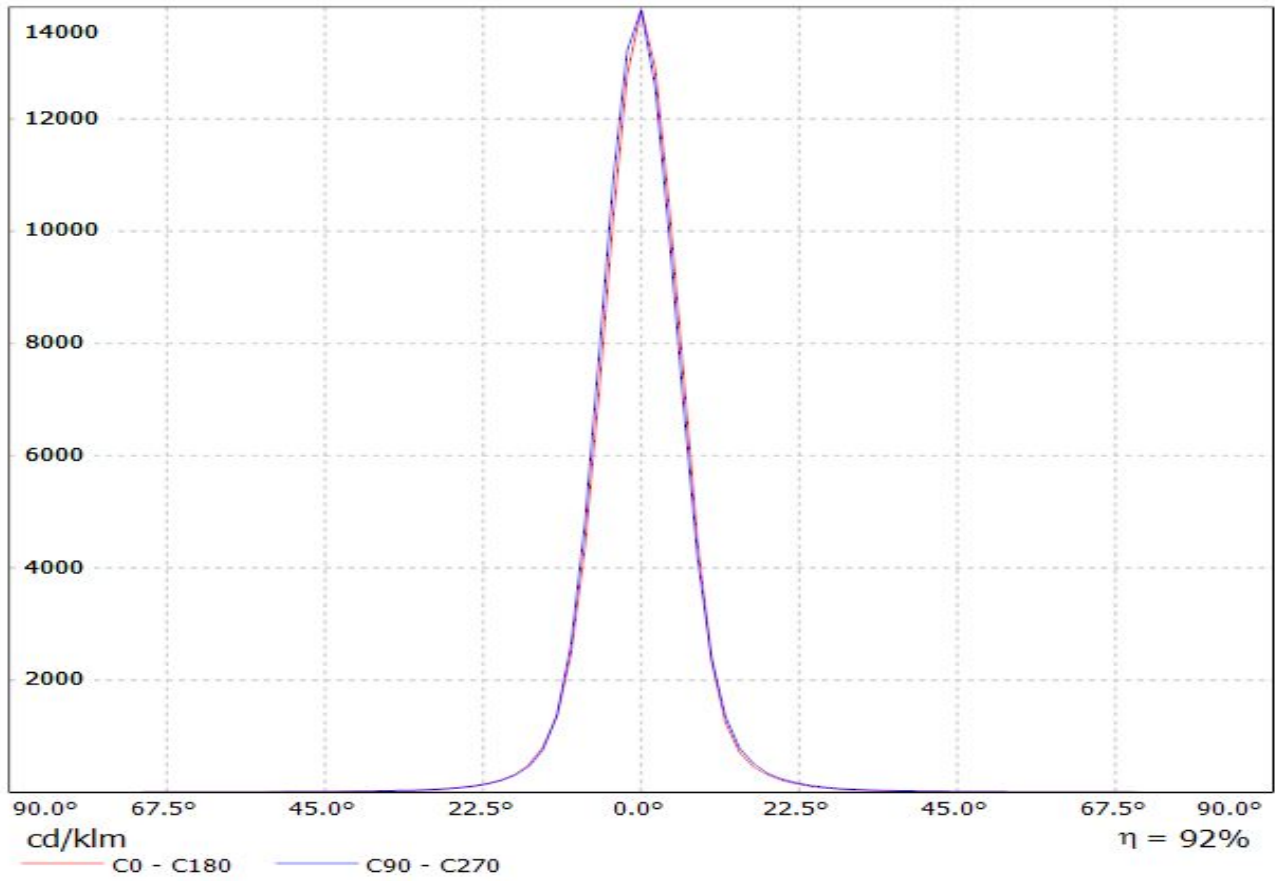


Luminaire: LEDil Oy CA13630\_G2-LAURA-SS-P\_(XP-E2)

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

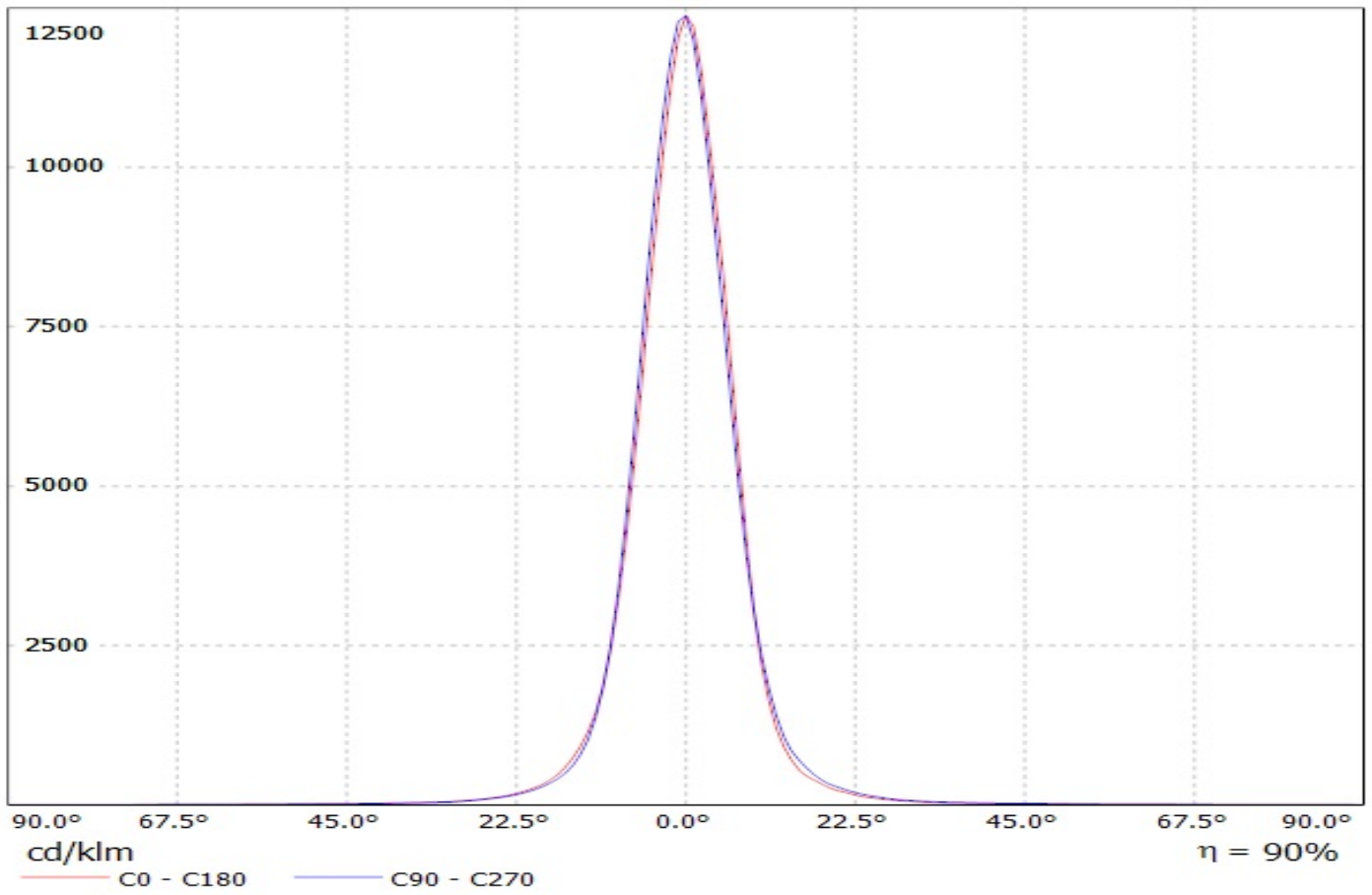


Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(XP-G2)  
Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 100lm @ 250mA CCT=4934K P=0.74W I=250mA



Luminaire: LEDil Oy CA13630\_G2-LAURA-SS-P\_(XT-E)

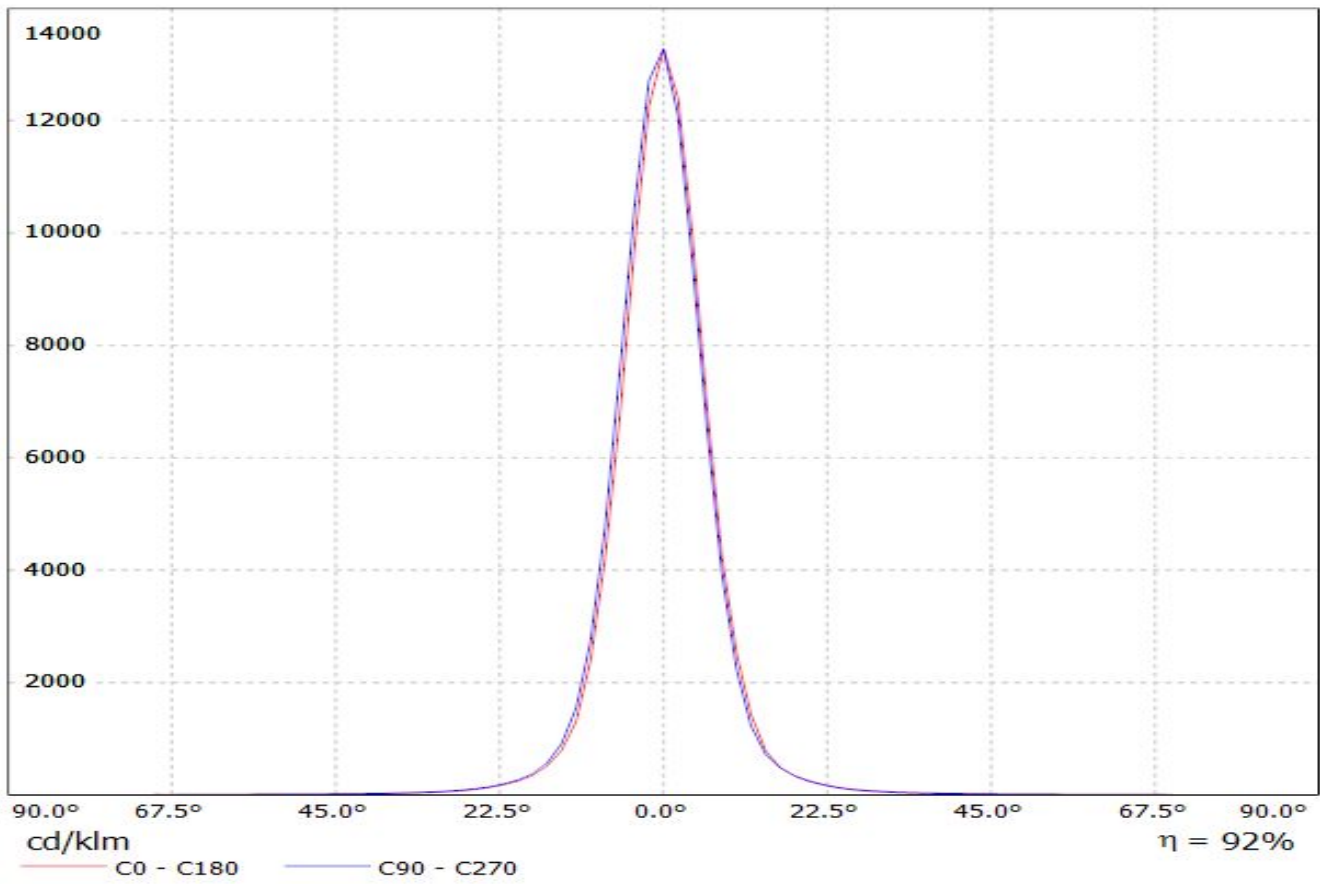
Lamps: 1 x Cree XT-E (XTEAWT-00-0000-00000HBE8) 73.22lm @ 250mA CCT=2800 P=0.8W I=250mA



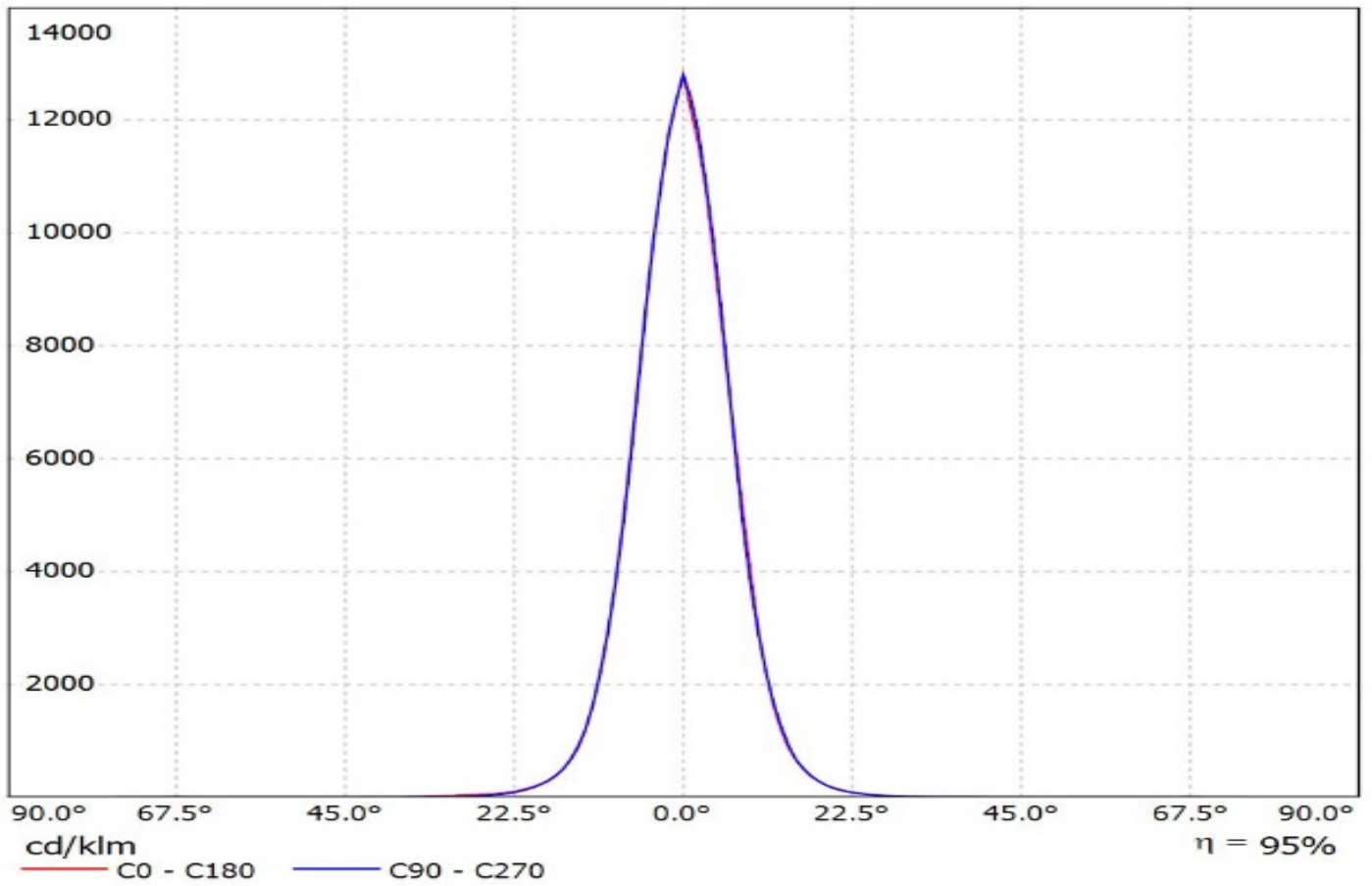


Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(XB-H)

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

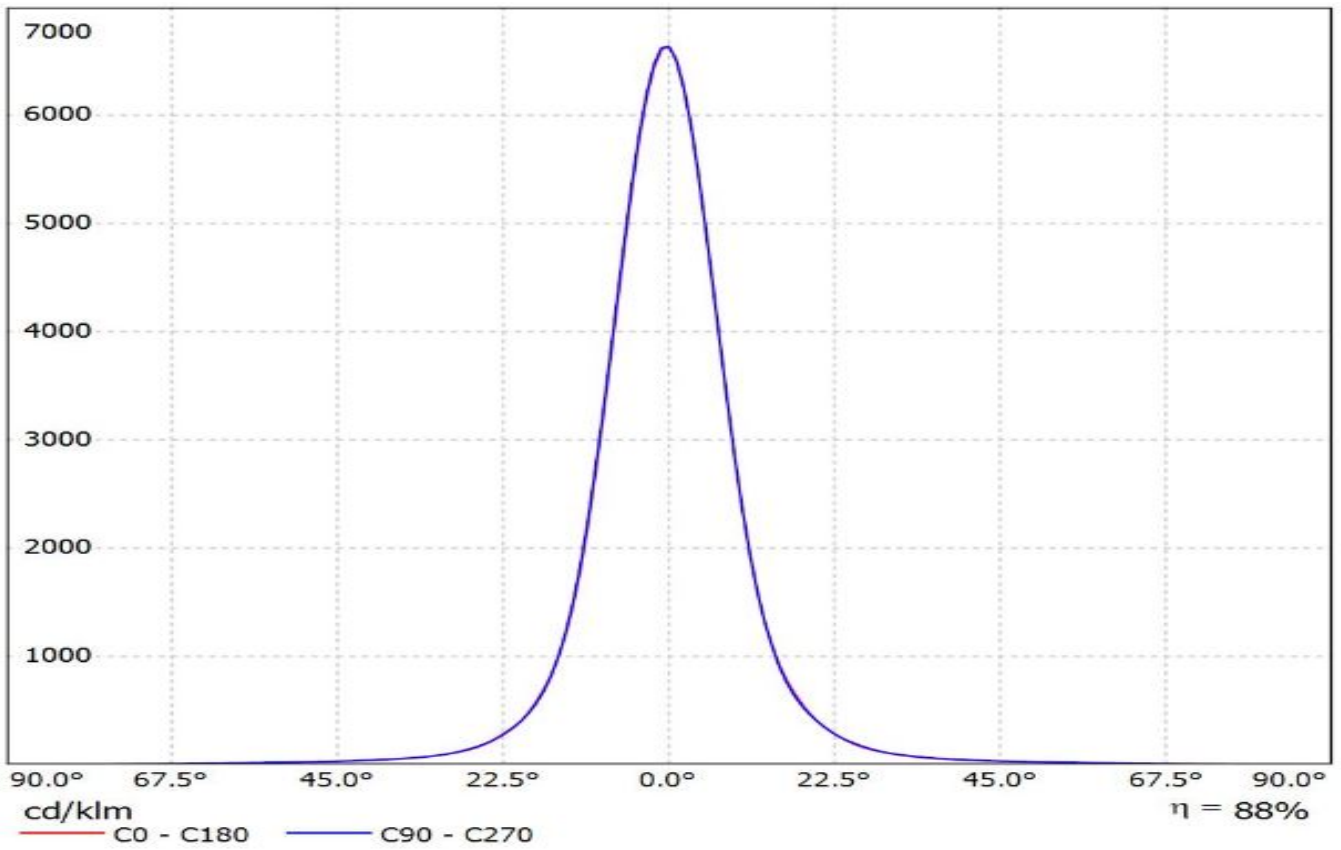


Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(XHP35\_HI)\_SIMULATED  
Lamps: 1 x Cree XHP35 HI

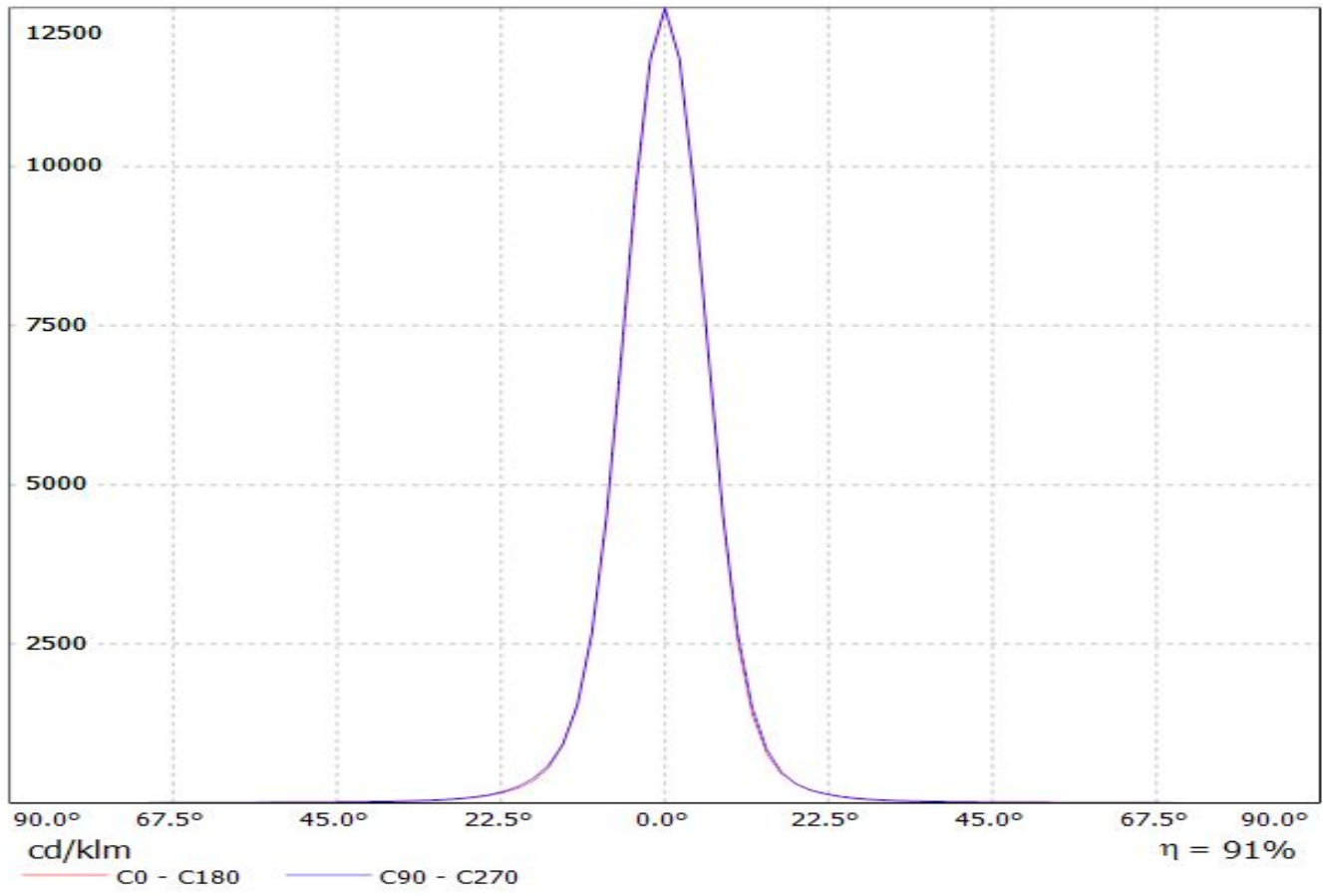


Luminaire: Ledil CA13630\_G2-LAURA-SS-P\_(XP-L2)

Lamps: 1 x Cree\_XP-L2\_(XPLWT-00-0000-000HU630G)\_115.75lm@250mA\_P=0.721375W\_I=0.25A

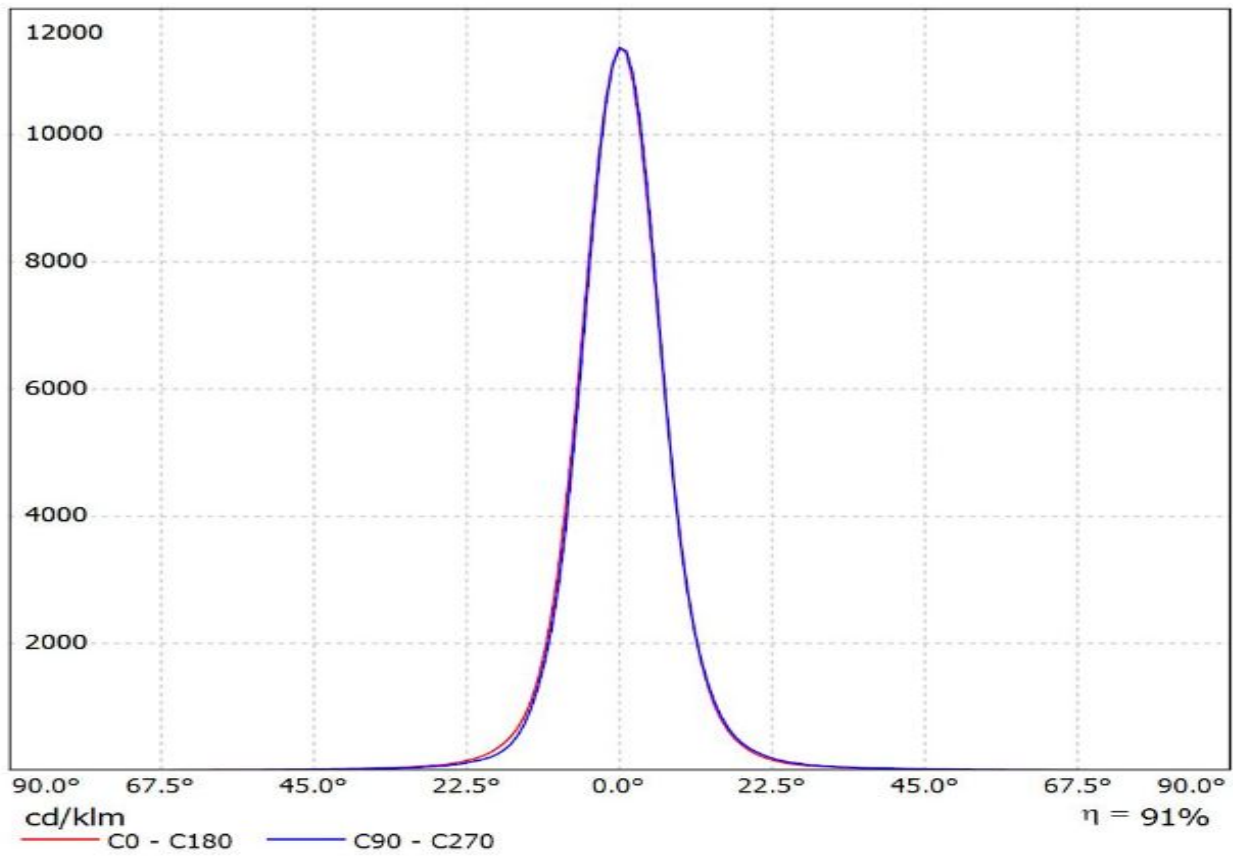


Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(Luxeon\_TX) Efficiency=90%  
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA

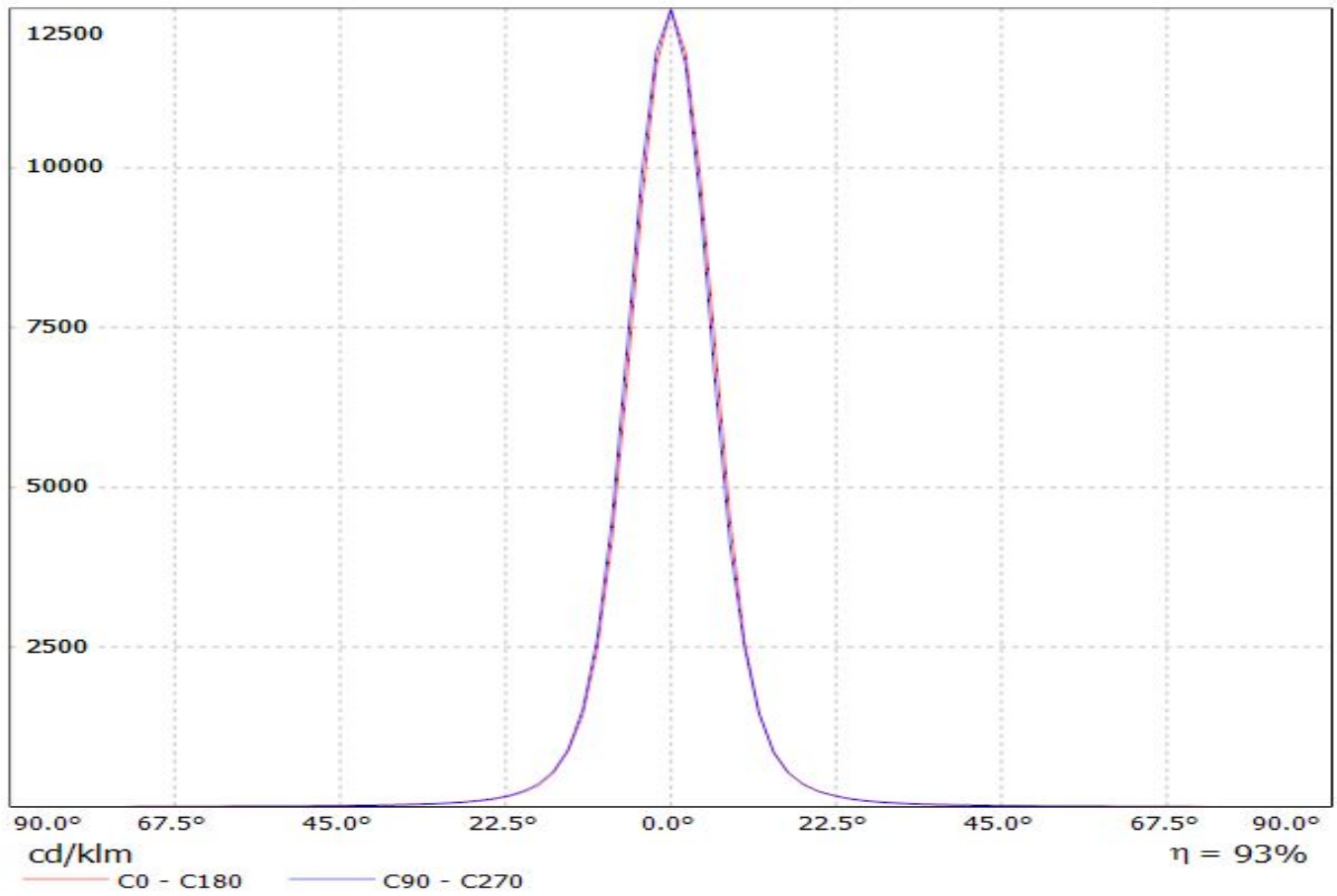


Luminaire: Ledil CA13630\_G2-LAURA-SS-P\_(LUXEON\_3030\_2D)

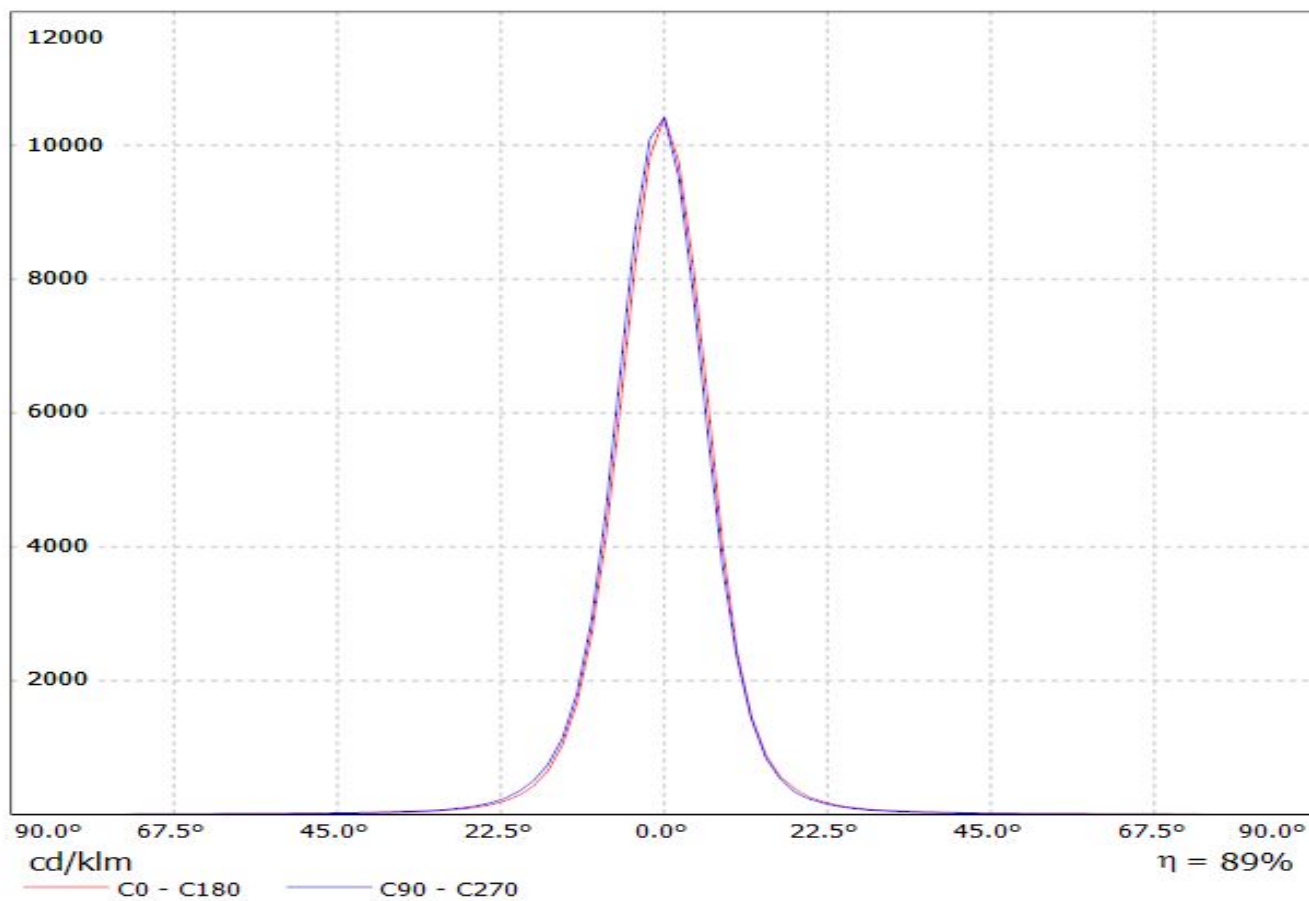
Lamps: 1 x LUXEON\_3030\_2D\_(L130-5080)\_73.2834lm@100mA\_CCT=5000K\_P=0.595784W\_I=0.1A



Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(NCS19)  
Lamps: 1 x Nichia NCSxx19A 67lm @ 250mA CCT= P=0.77W I=250mA

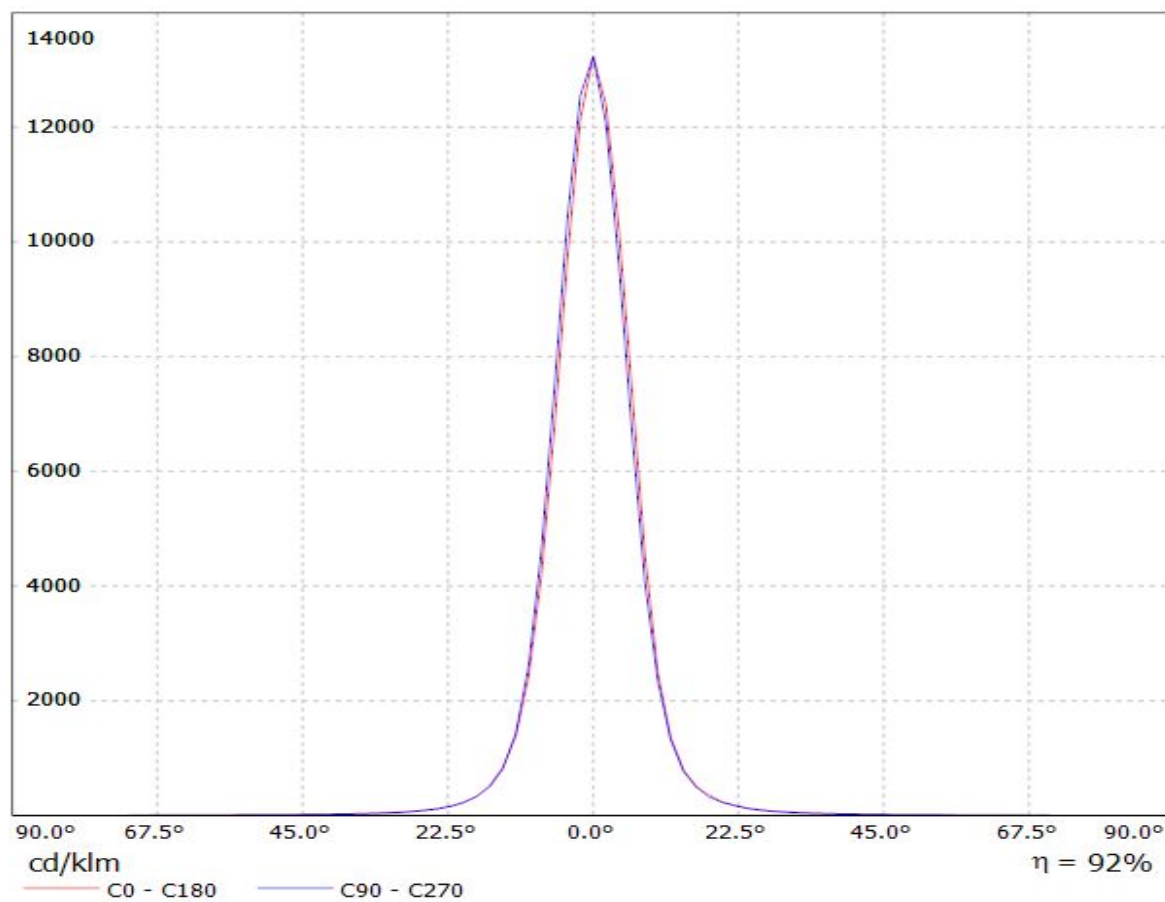


Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(NVS19)  
Lamps: 1 x Nichia NVSxx19A 93lm @ 250mA CCT= P=0.75W I=250mA



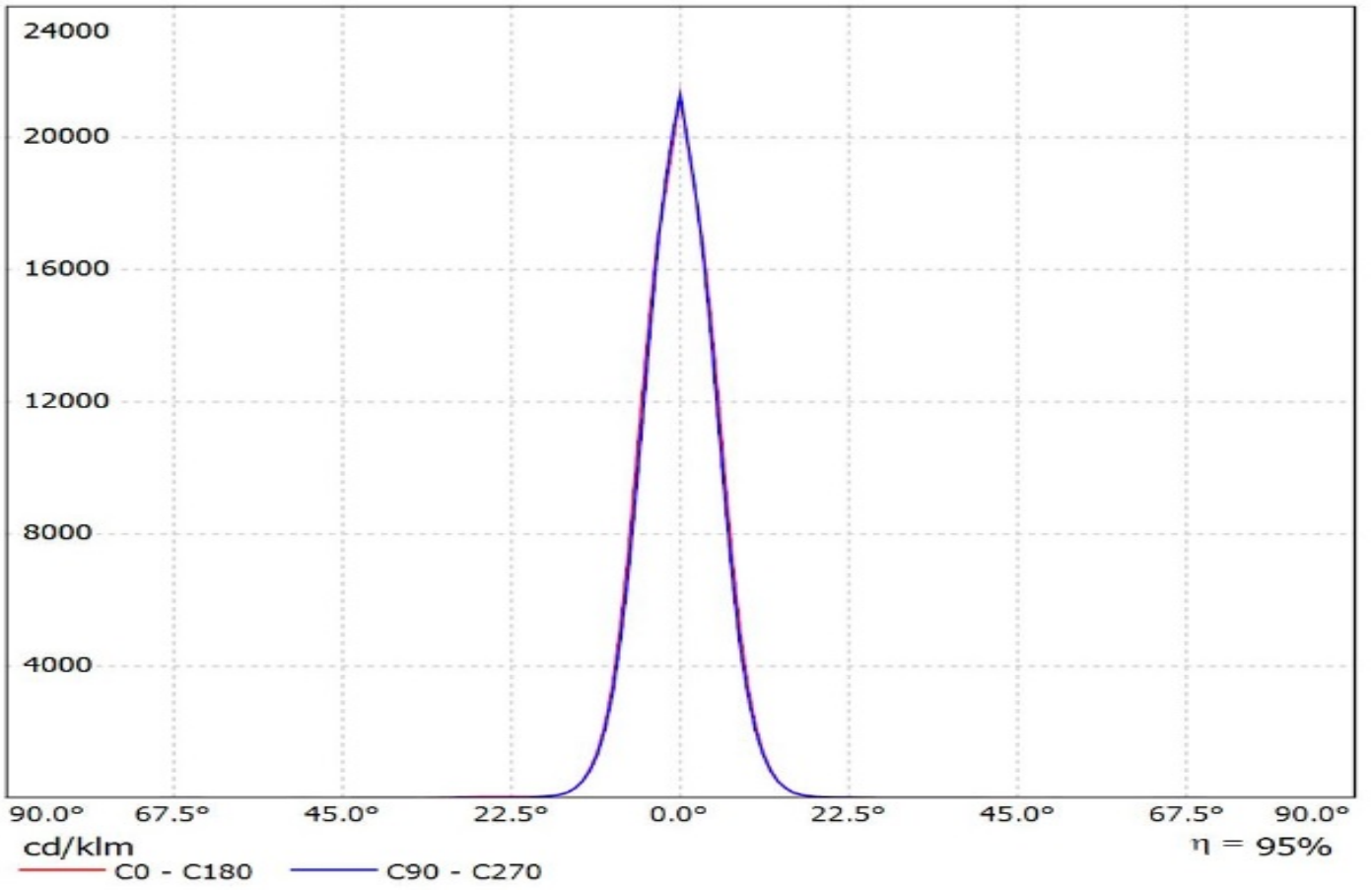
Luminaire: LEDil Oy CA13630\_G2-LAURA-SS-P (Oslon\_Square\_EC)

Lamps: 1 x Osram Oslon Square EC (LCW CQAR-EC-MQMS-5R8T-35) 78lm @ 250mA CCT=3226K P=0.75W I=250mA



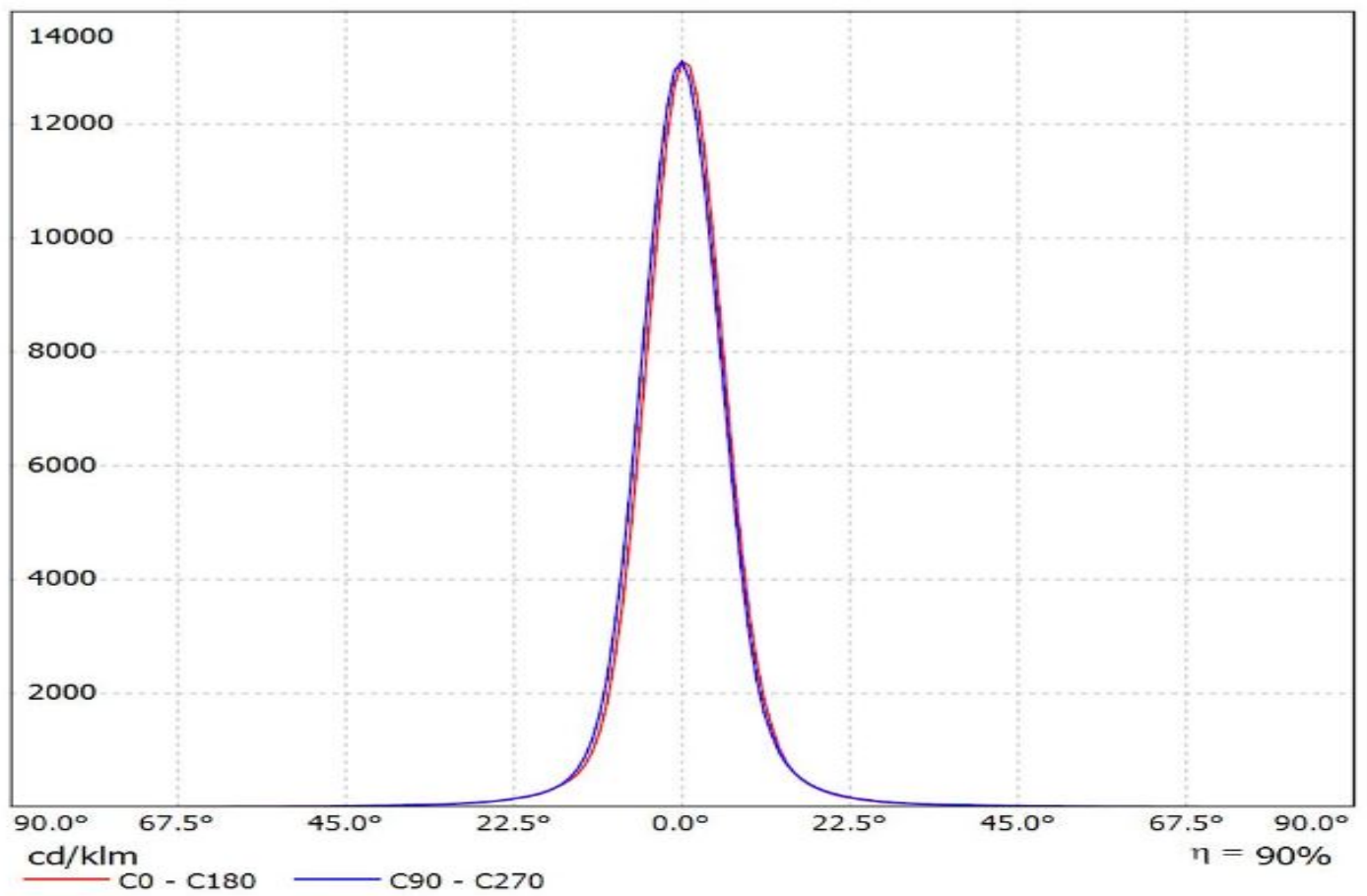


Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(Oslon\_Black\_Flat)\_SIMULATED  
Lamps: 1 x Osram Oslon Black Flat (LUW HWQP)

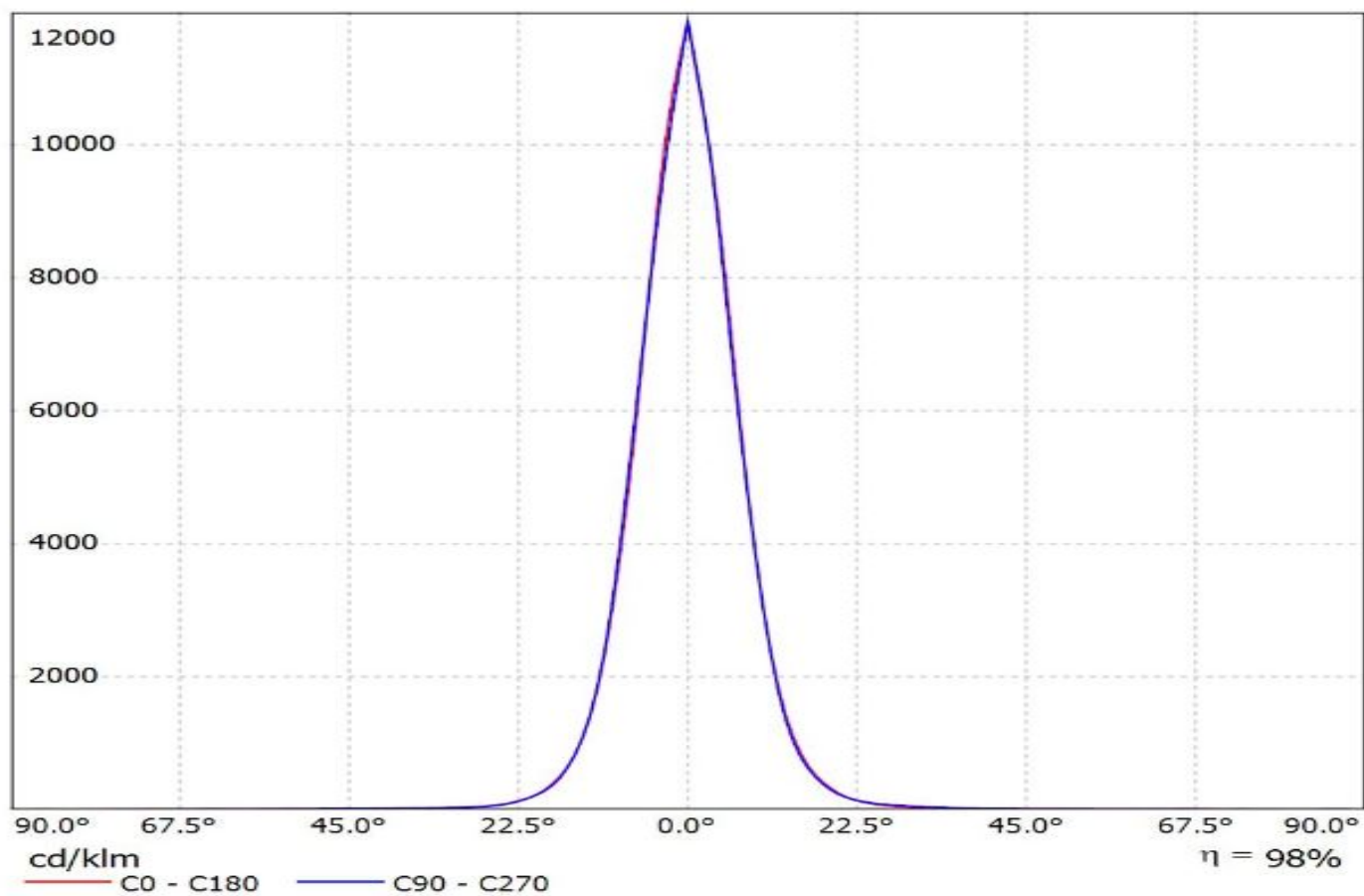


Luminaire: Ledil CA13630\_G2-LAURA-SS-P\_(Z5M1)

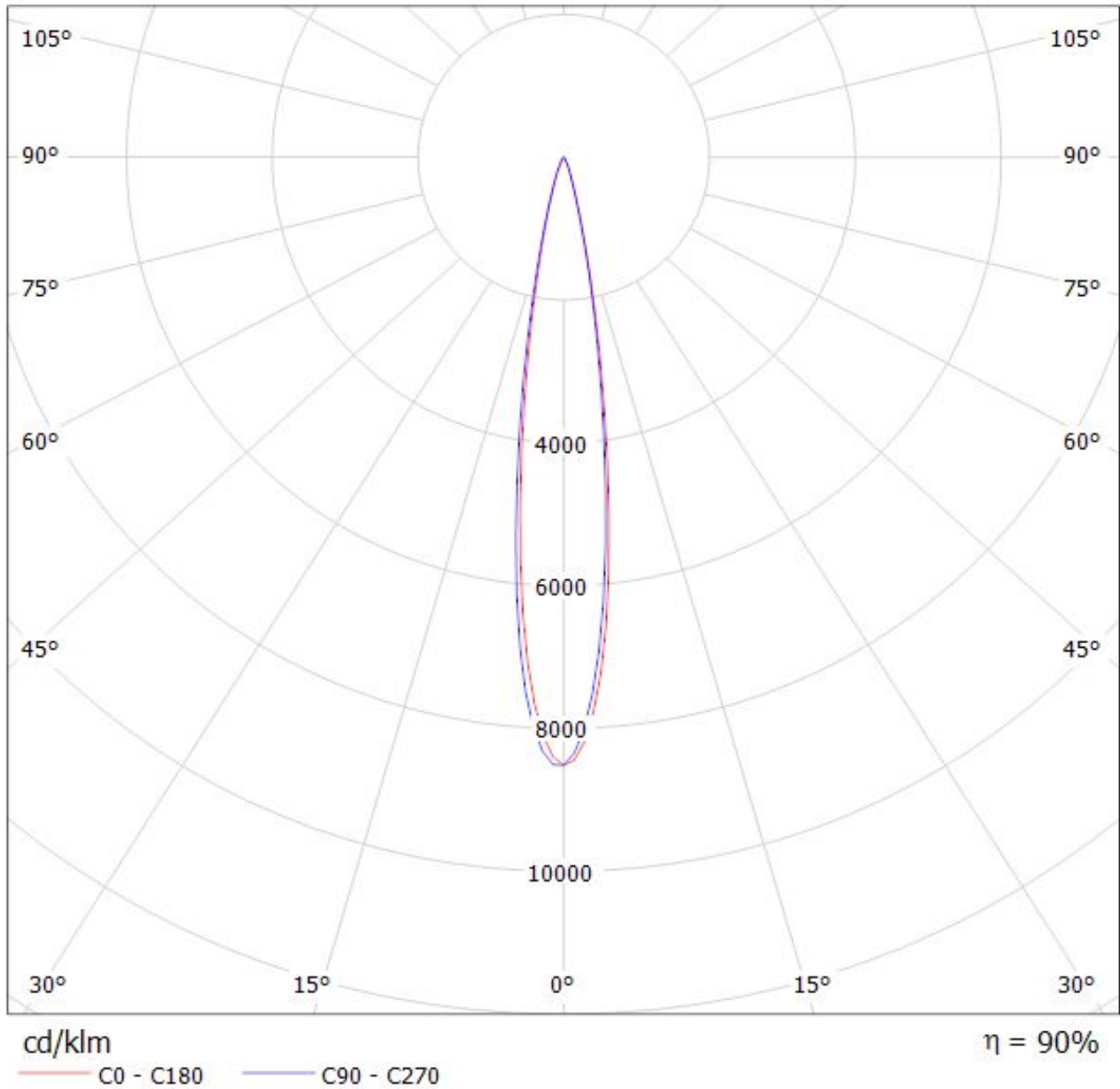
Lamps: 1 x Seoul\_Z5M1\_(SZ5-M1-W0-C8)\_110.161lm@250mA\_P=0.7398W\_I=0.250A



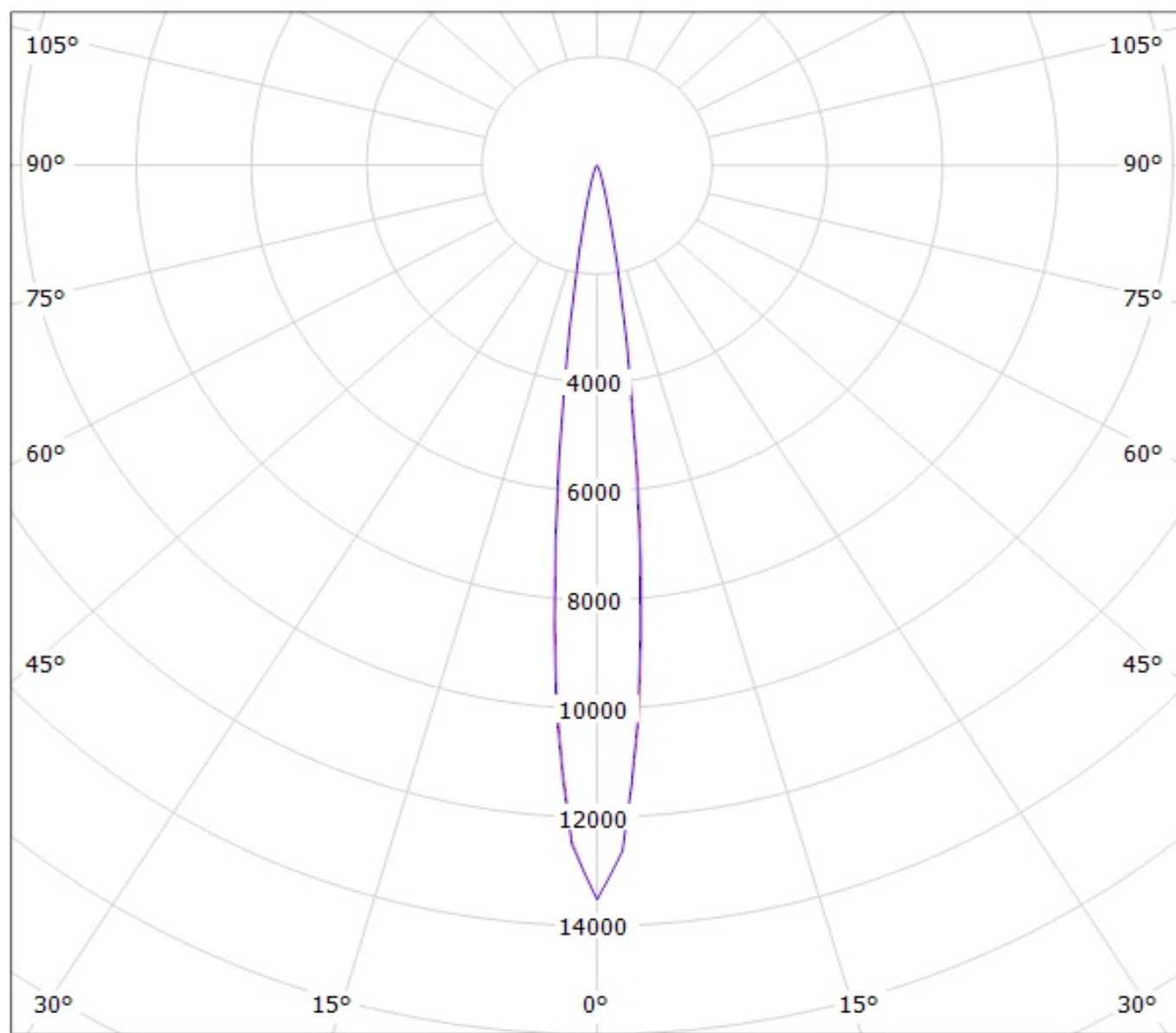
Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_Seoul\_Z8Y22P\_SIMULATED  
Lamps: 1 x Seoul Z8Y22P



Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(XP-L) Efficiency=89%  
Lamps: 1 x Cree XP-L 125lm @ 250mA CCT= P=0.72W I=250mA



Luminaire: LEDil Oy CA13630\_G2-LAURA-SS-P\_(XB-D)  
Lamps: 1 x Cree XB-D (97.2lm @ 250mA) P=0.8W I=250mA



cd/klm

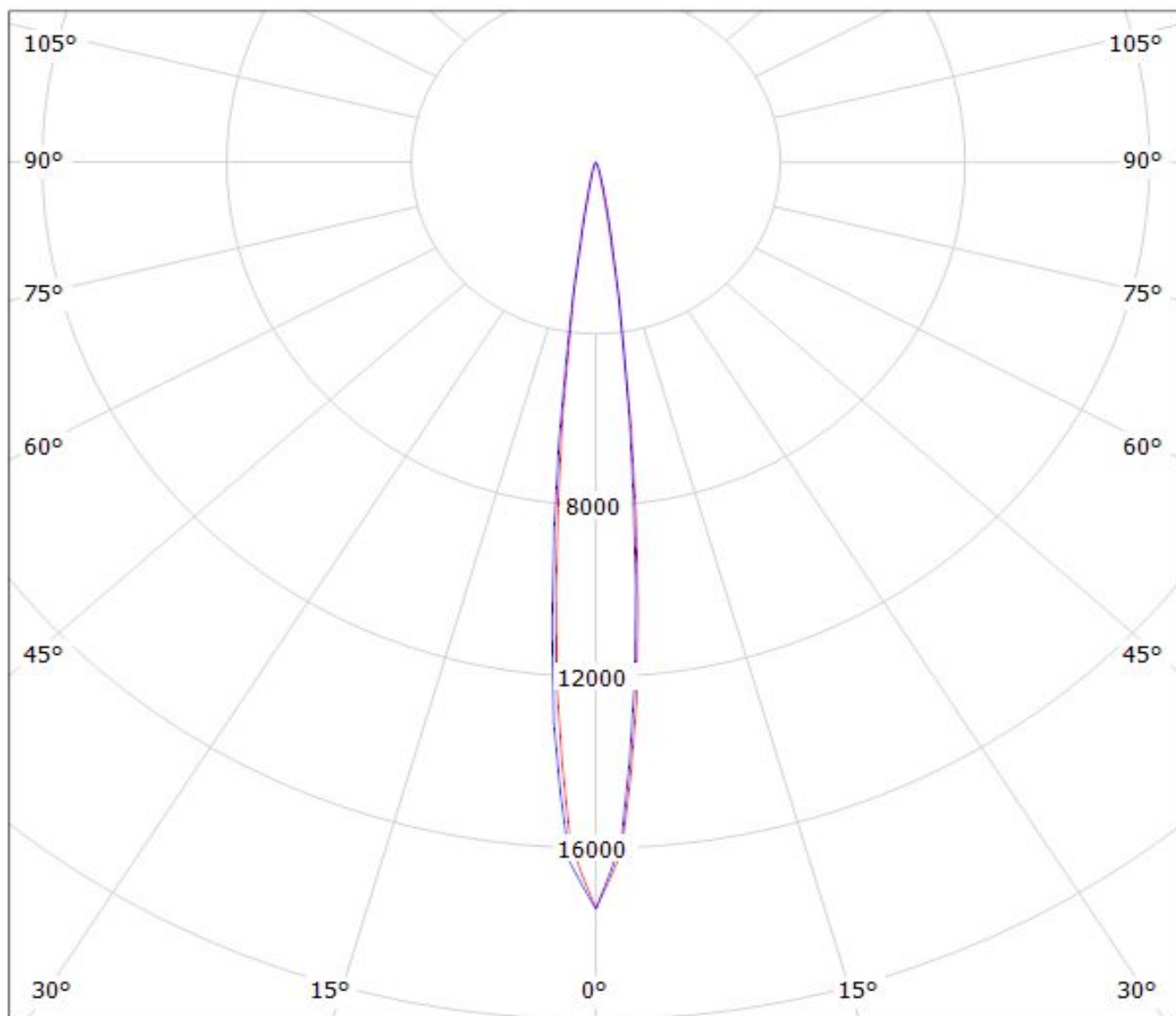
— C0 - C180

— C90 - C270

$\eta = 88\%$

Luminaire: LEDil Oy CA13630\_G2-LAURA-SS-P\_(XP-E2)

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



cd/klm

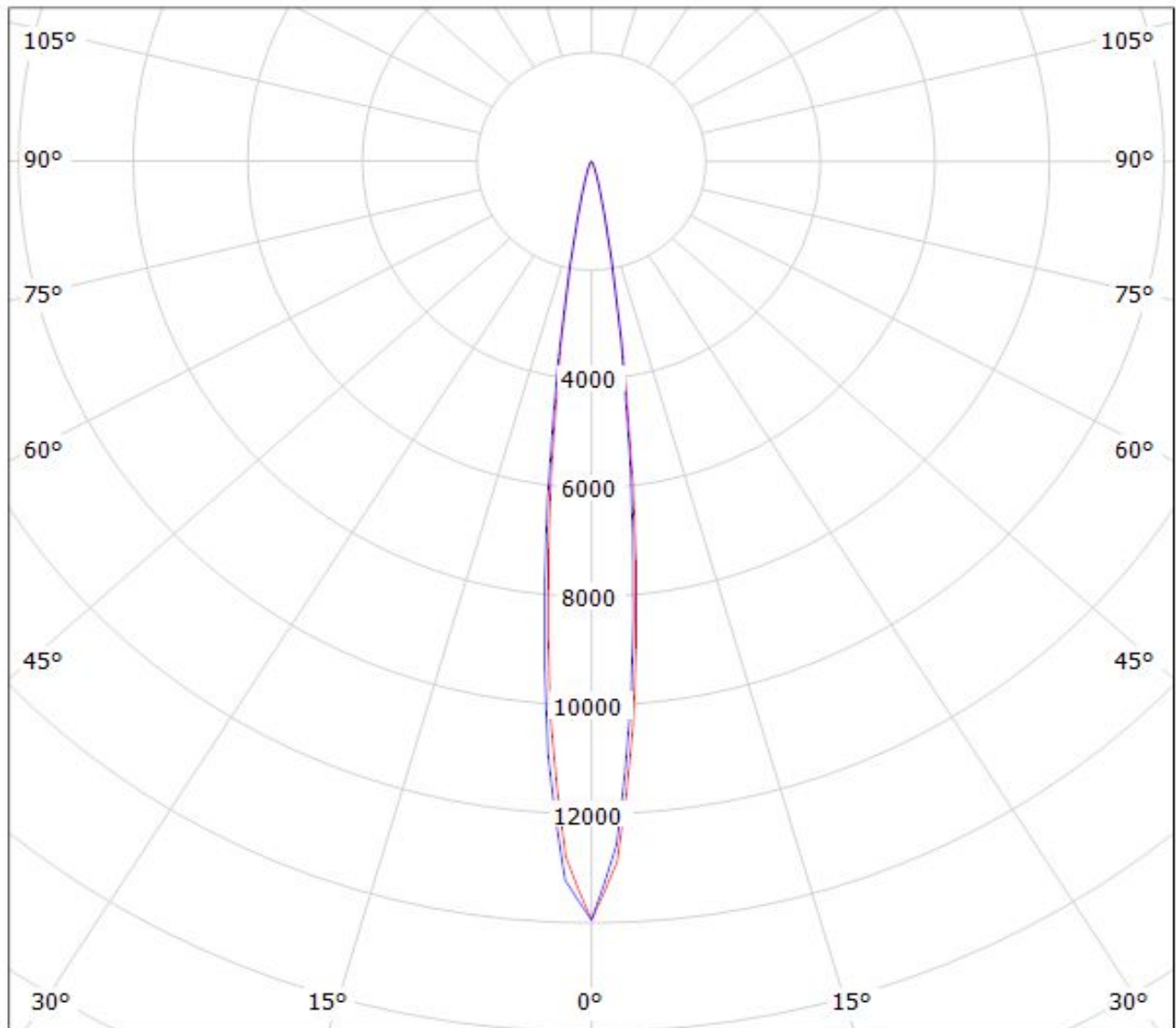
— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(XP-G2)

Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 100lm @ 250mA CCT=4934K P=0.74W I=250mA



cd/klm

$\eta = 92\%$

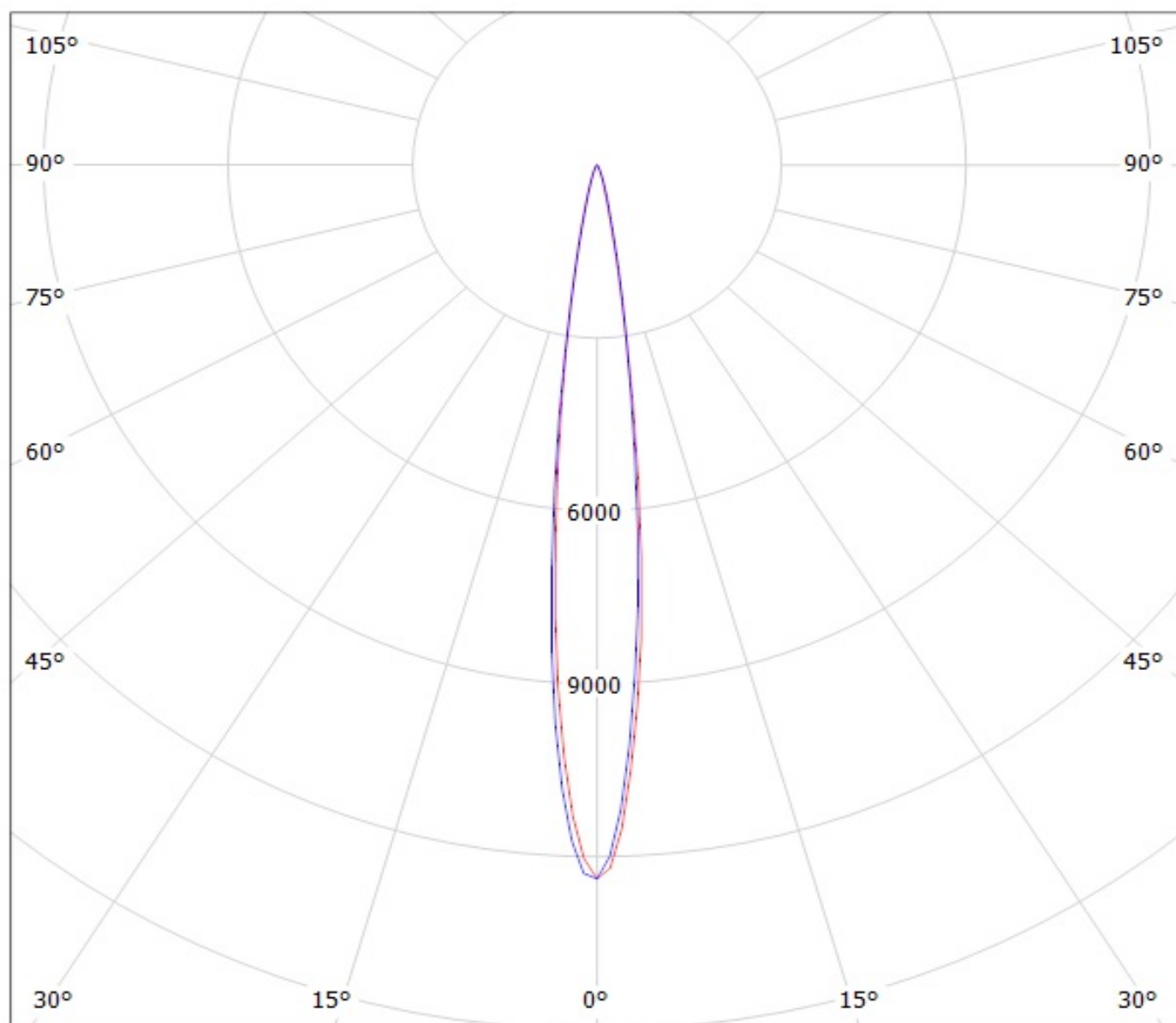
— C0 - C180

— C90 - C270



Luminaire: LEDil Oy CA13630\_G2-LAURA-SS-P\_(XT-E)

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



cd/klm

— C0 - C180

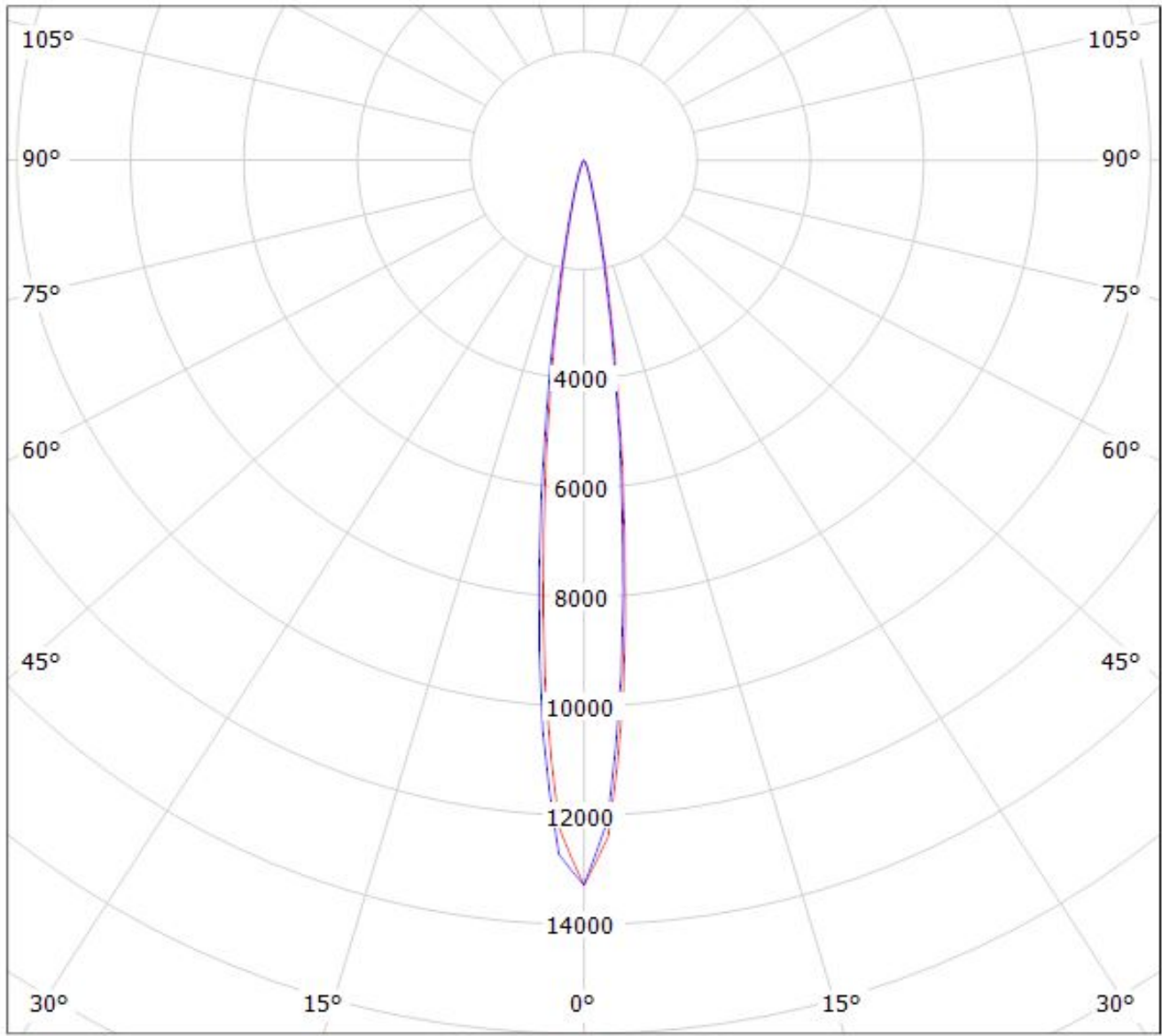
— C90 - C270

$\eta = 90\%$



Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(XB-H)

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



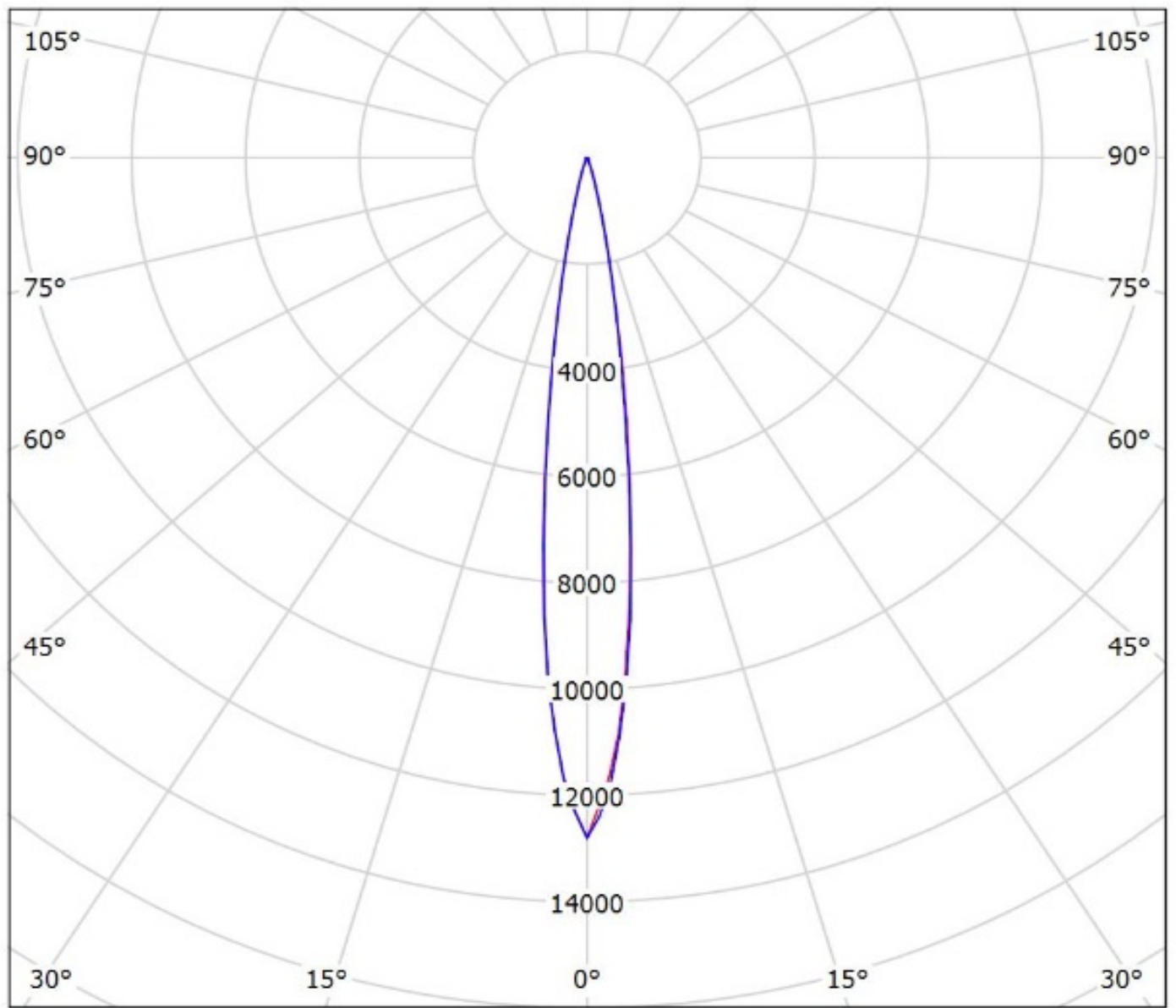
cd/klm

— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(XHP35\_HI)\_SIMULATED  
Lamps: 1 x Cree XHP35 HI

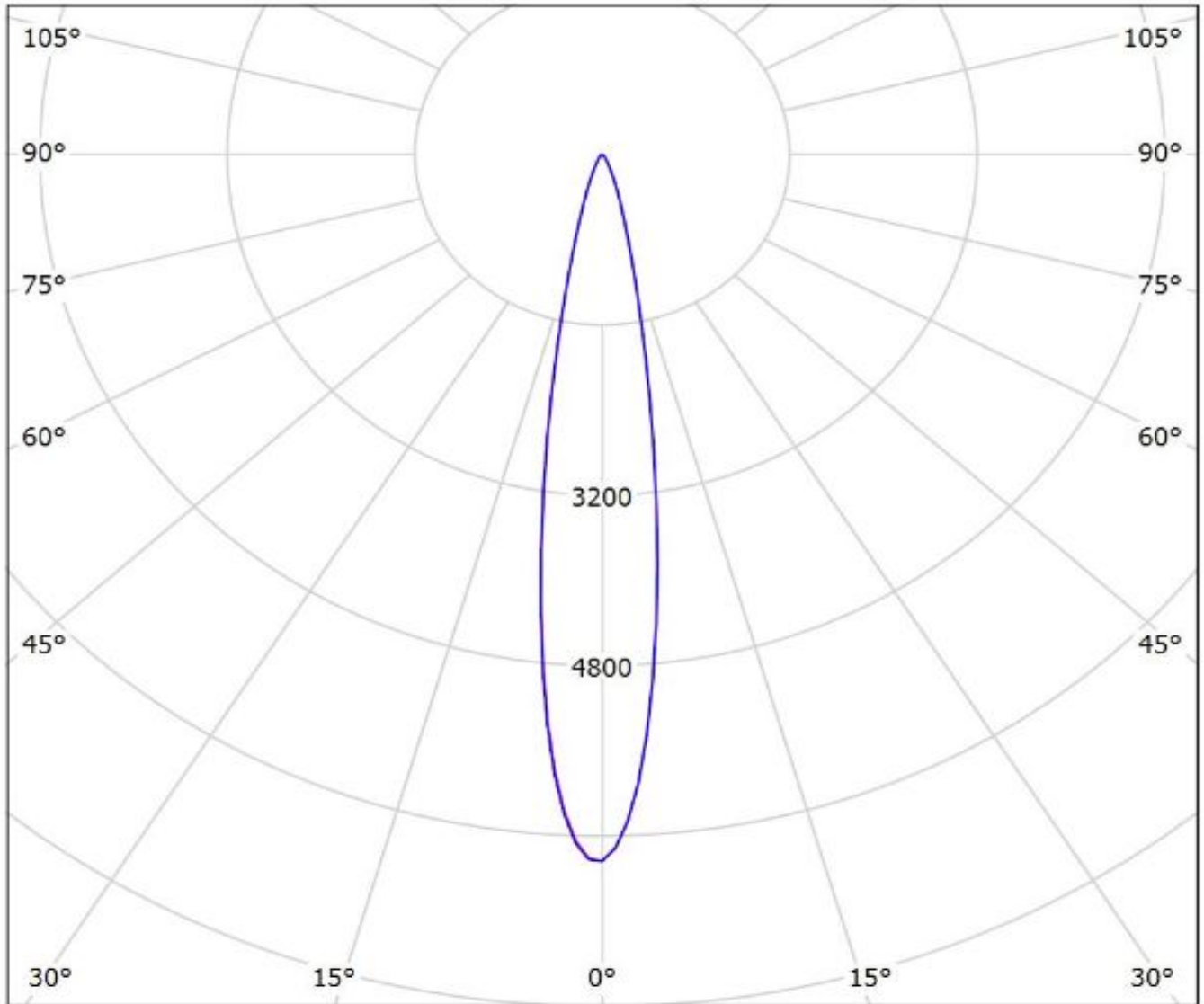


cd/klm  
— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: Ledil CA13630\_G2-LAURA-SS-P\_(XP-L2)

Lamps: 1 x Cree\_XP-L2\_(XPLWT-00-0000-000HU630G)\_115.75lm@250mA\_P=0.721375W\_I=0.25A



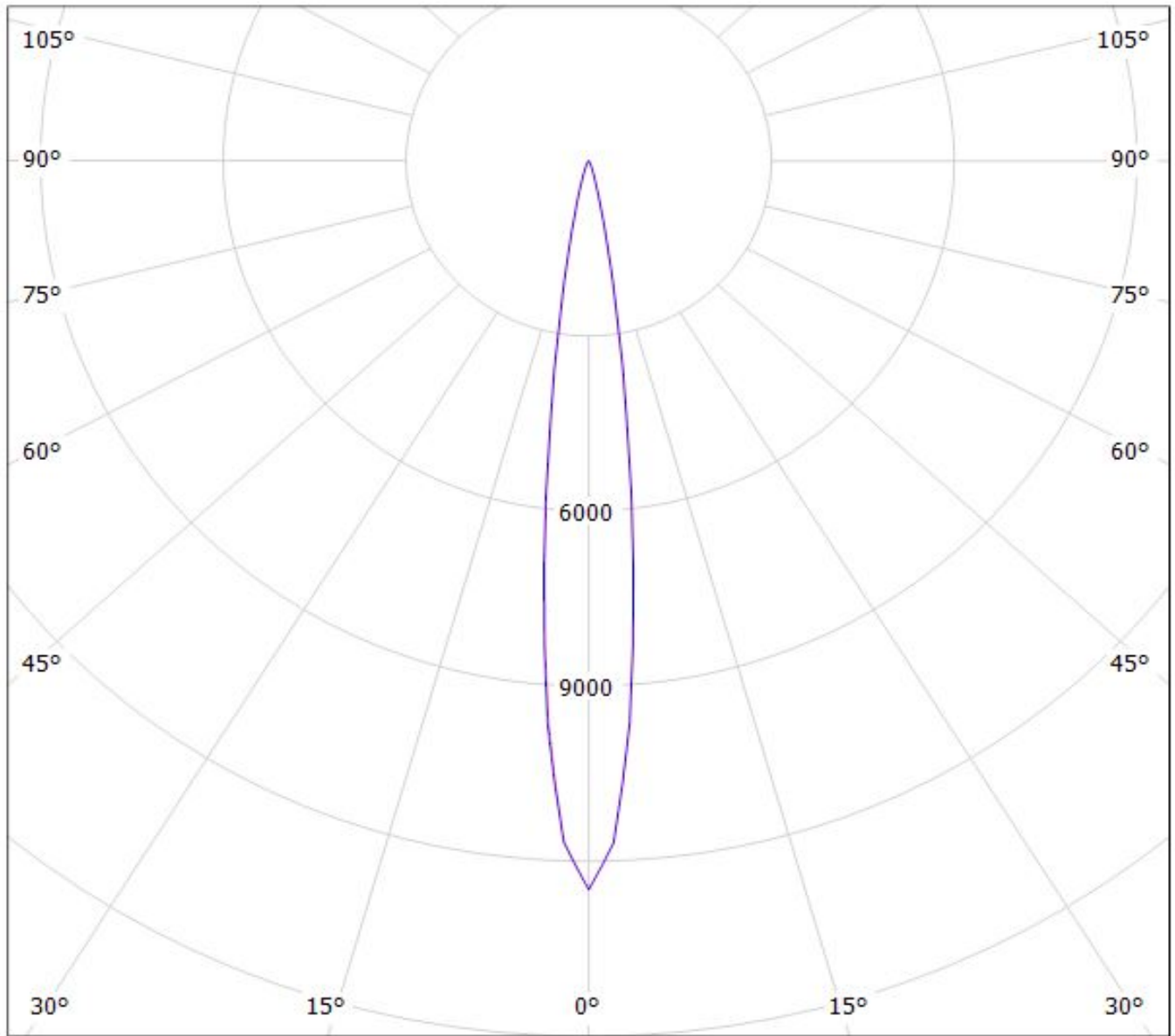
cd/klm

— C0 - C180

— C90 - C270

$\eta = 88\%$

Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(Luxeon\_TX) Efficiency=90%  
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA



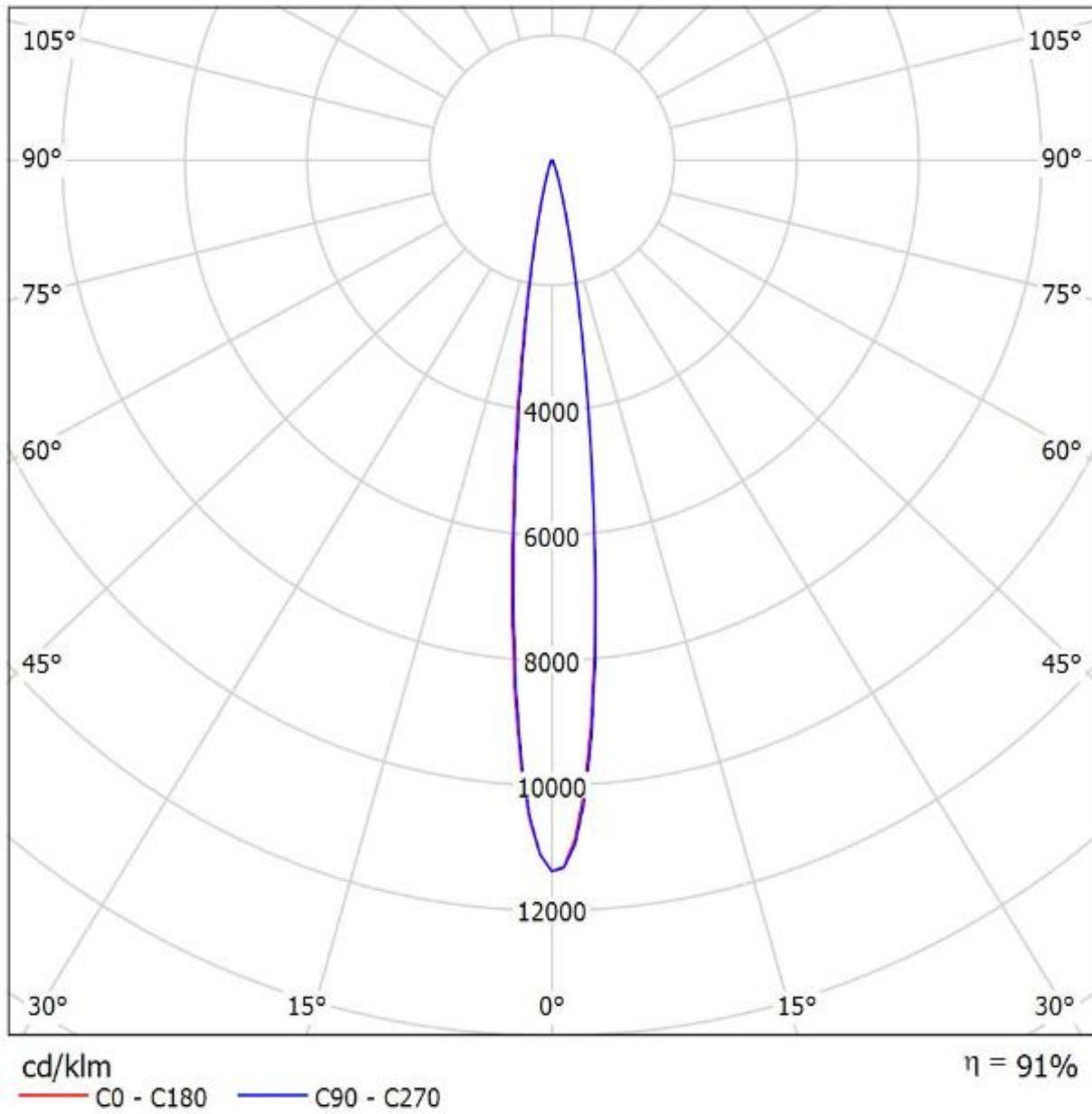
cd/klm

$\eta = 91\%$

— C0 - C180 — C90 - C270

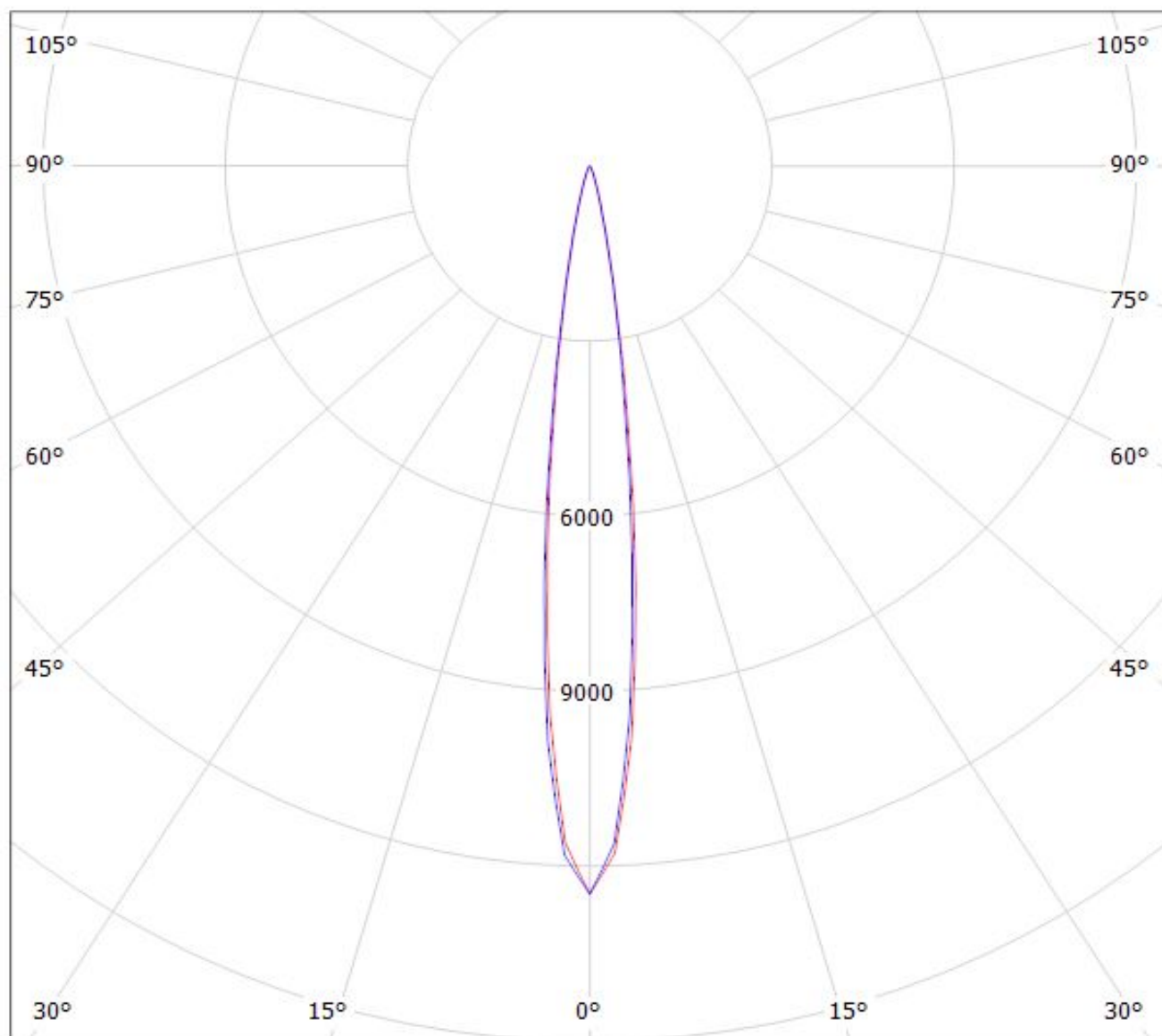
Luminaire: Ledil CA13630\_G2-LAURA-SS-P\_(LUXEON\_3030\_2D)

Lamps: 1 x LUXEON\_3030\_2D\_(L130-5080)\_73.2834lm@100mA\_CCT=5000K\_P=0.595784W\_I=0.1A



Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(NCS19)

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



cd/klm

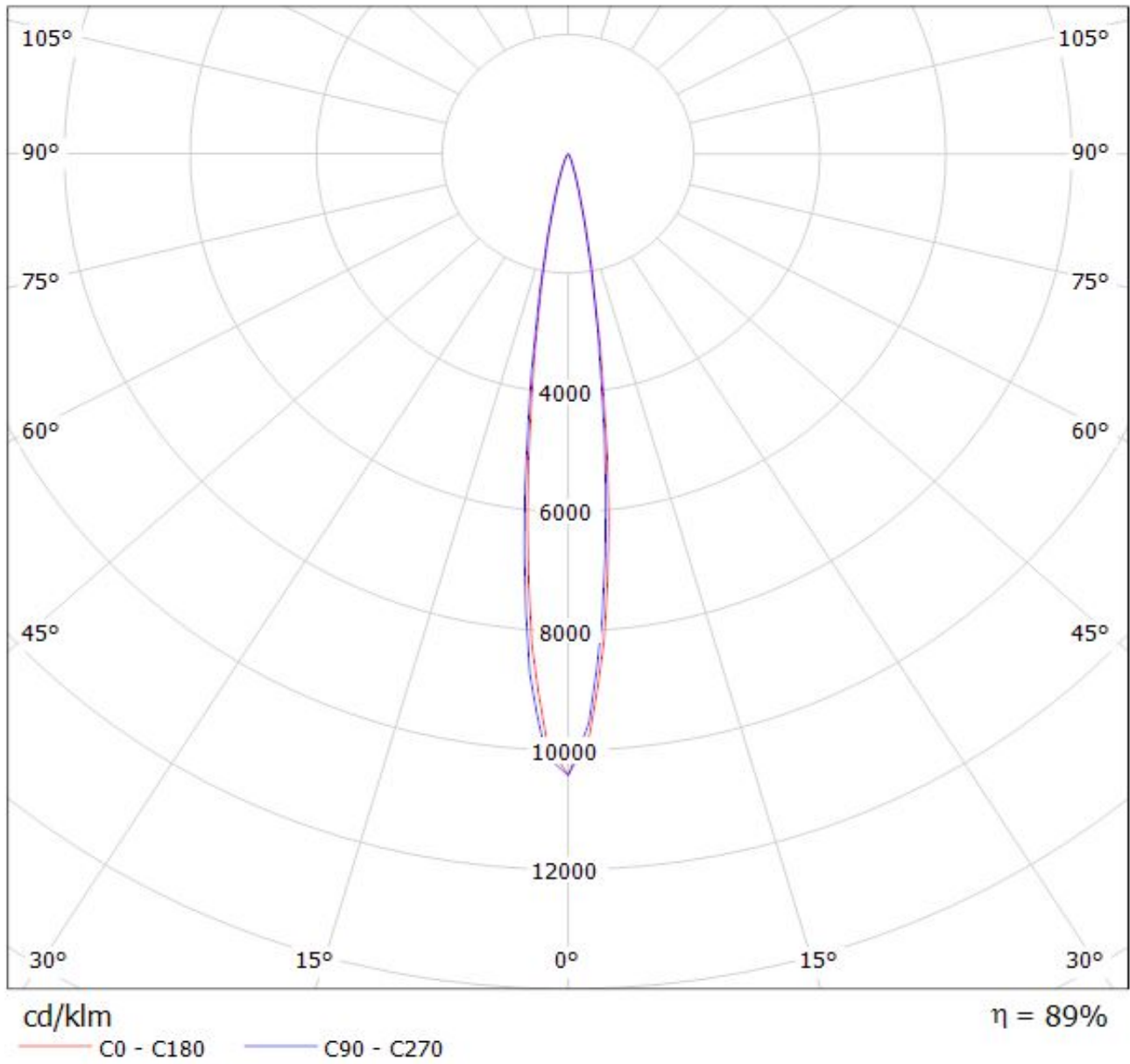
$\eta = 93\%$

— C0 - C180

— C90 - C270

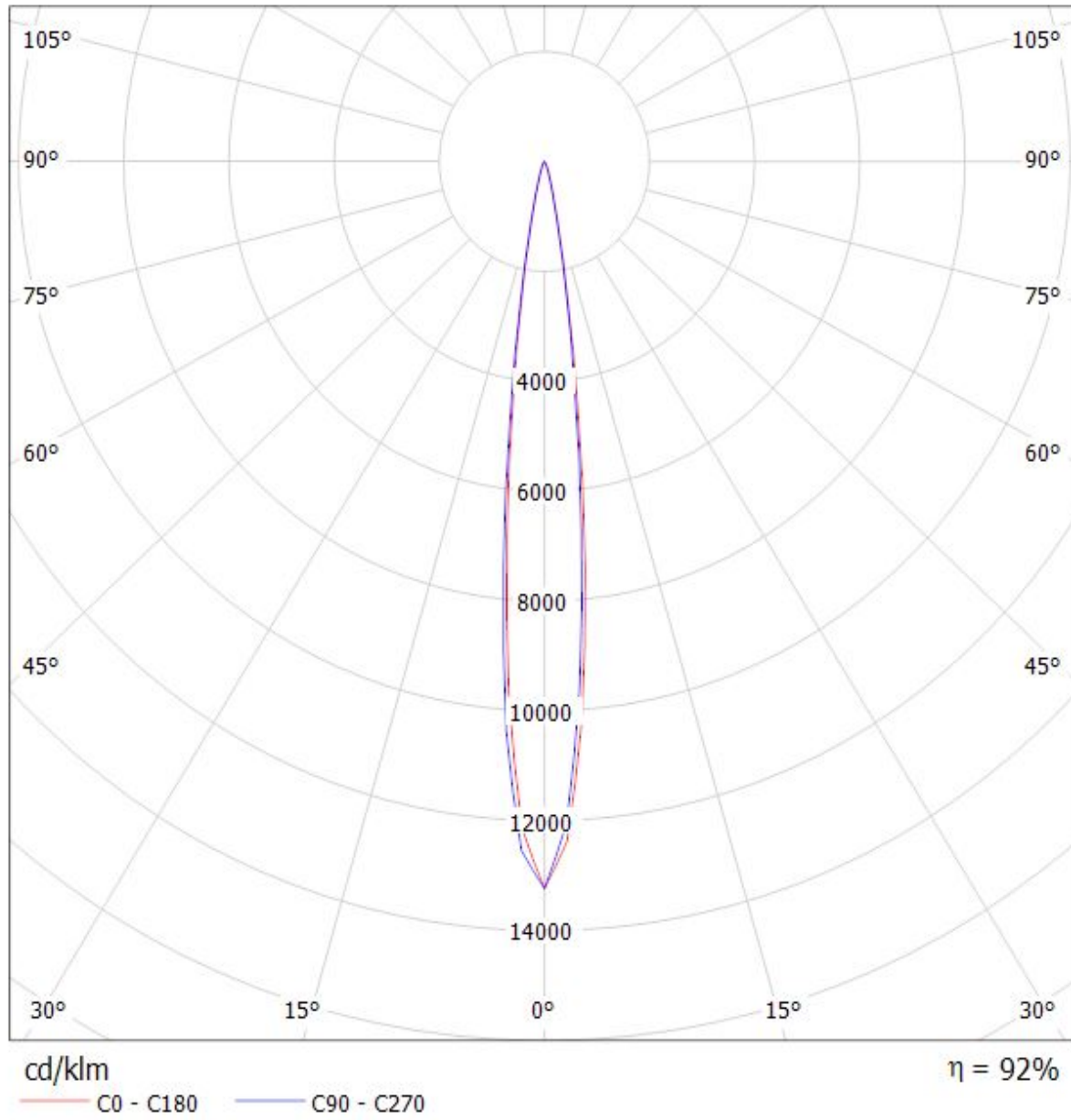


Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(NVS19)  
Lamps: 1 x Nichia NVSxx19A 93lm @ 250mA CCT= P=0.75W I=250mA

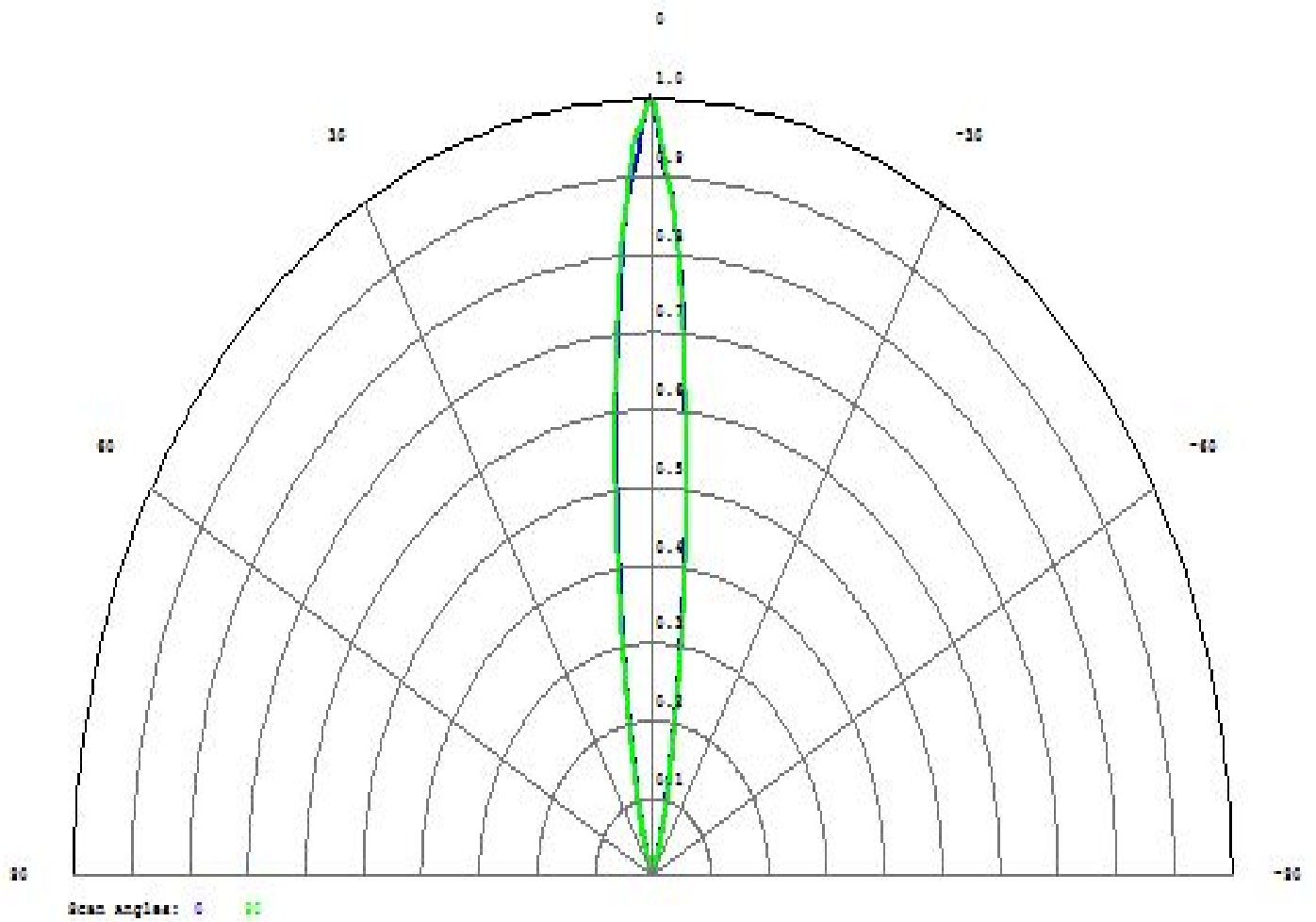


Luminaire: LEDil Oy CA13630\_G2-LAURA-SS-P\_(Oslon\_Square\_EC)

Lamps: 1 x Osram Oslon Square EC (LCW CQAR-EC-MQMS-5R8T-35) 78lm @ 250mA CCT=3226K P=0.75W I=250mA








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Detector Image: Radiant Intensity

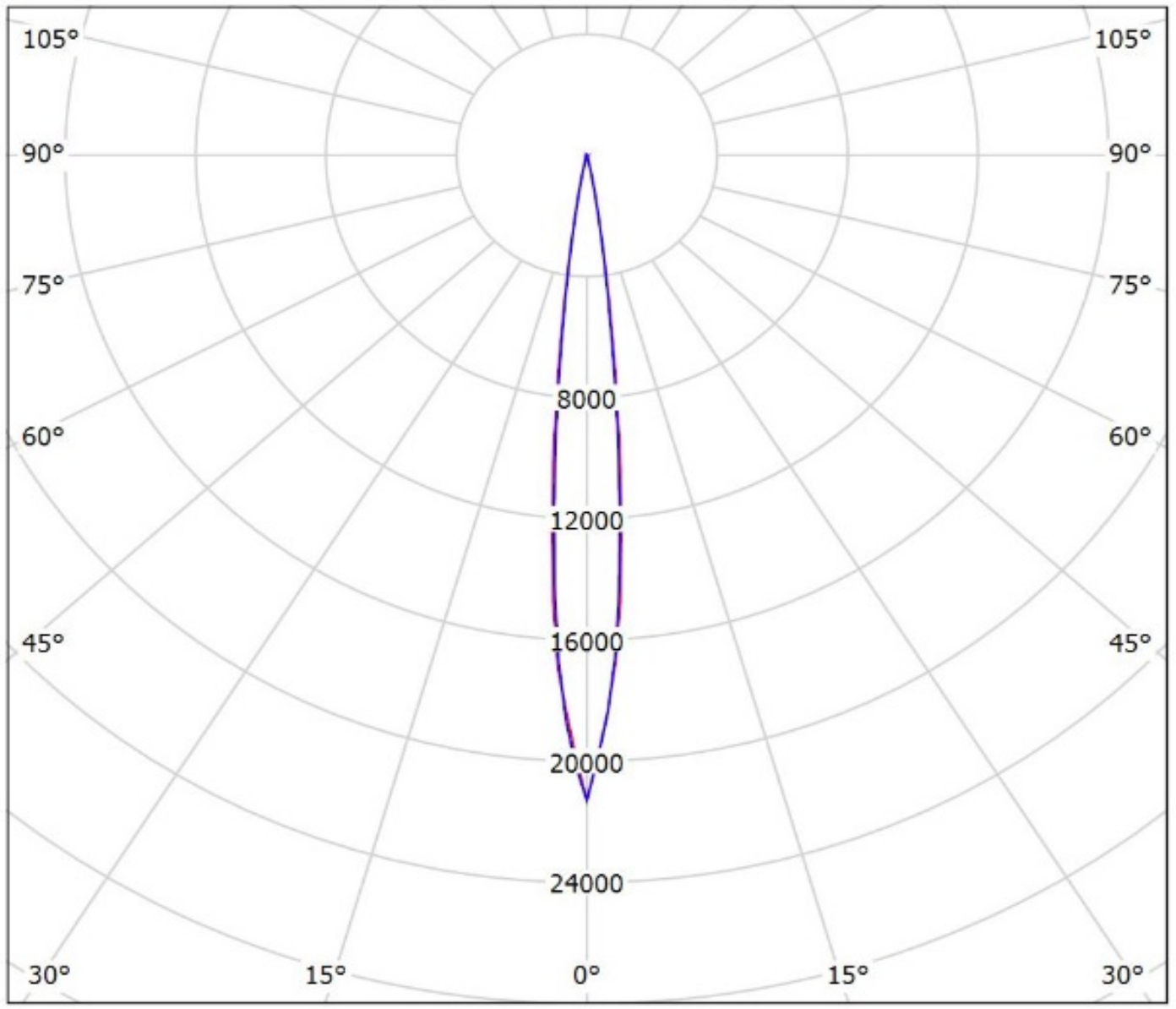
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8.4.2016  
 Detector 3, NSCG Surface 1:  
 Scan Angles: 0, 90  
 Peak Intensity : 1.149E+001 Watts/Steradian

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CA13630 G2-LAURA-SS-P SPH 4770S.ZMX  
 Configuration 1 of 1

Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_(Oslon\_Black\_Flat)\_SIMULATED  
Lamps: 1 x Osram Oslon Black Flat (LUW HWQP)

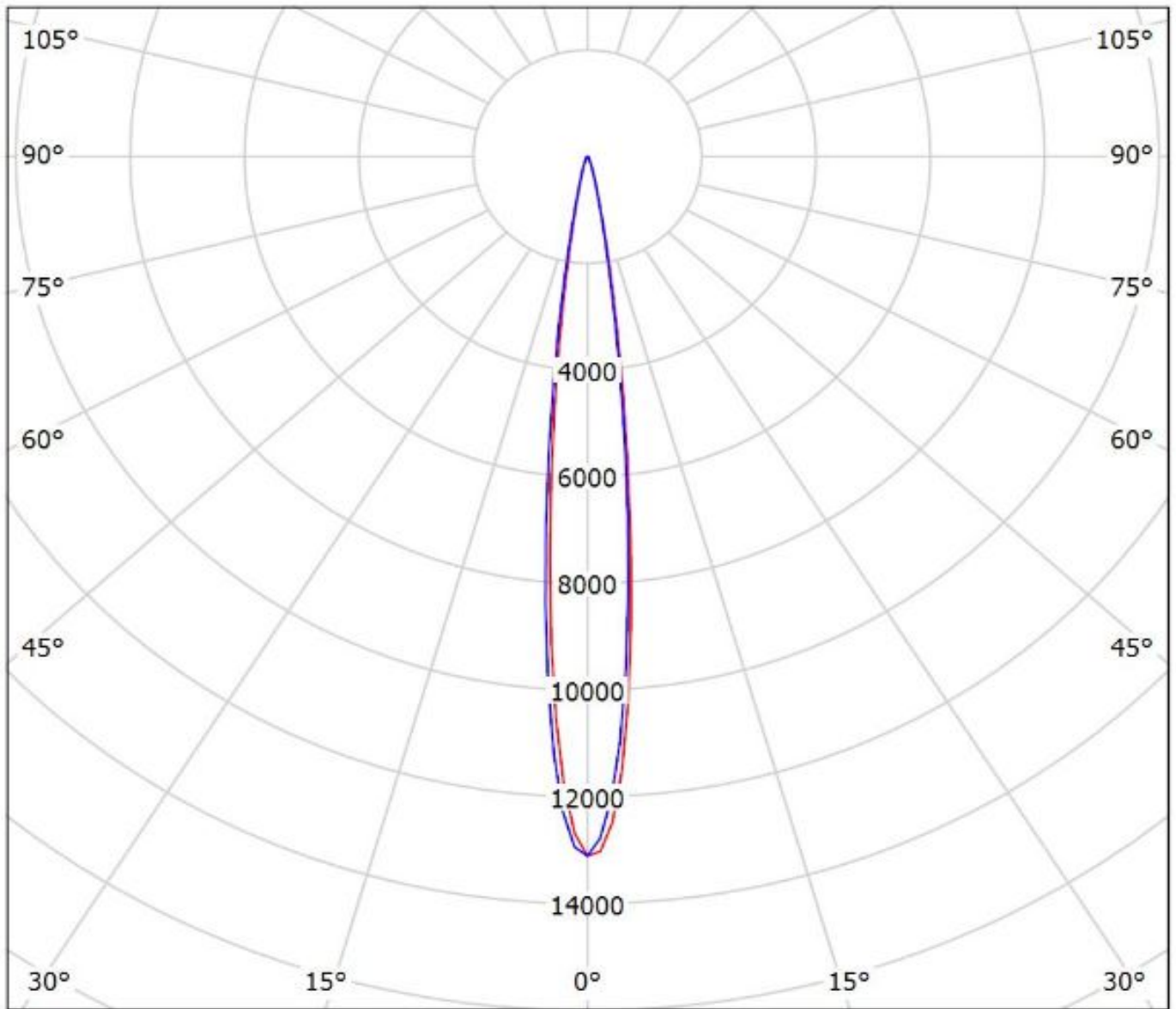


cd/klm  
— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: Ledil CA13630\_G2-LAURA-SS-P\_(Z5M1)

Lamps: 1 x Seoul\_Z5M1\_(SZ5-M1-W0-C8)\_110.161lm@250mA\_P=0.7398W\_I=0.250A



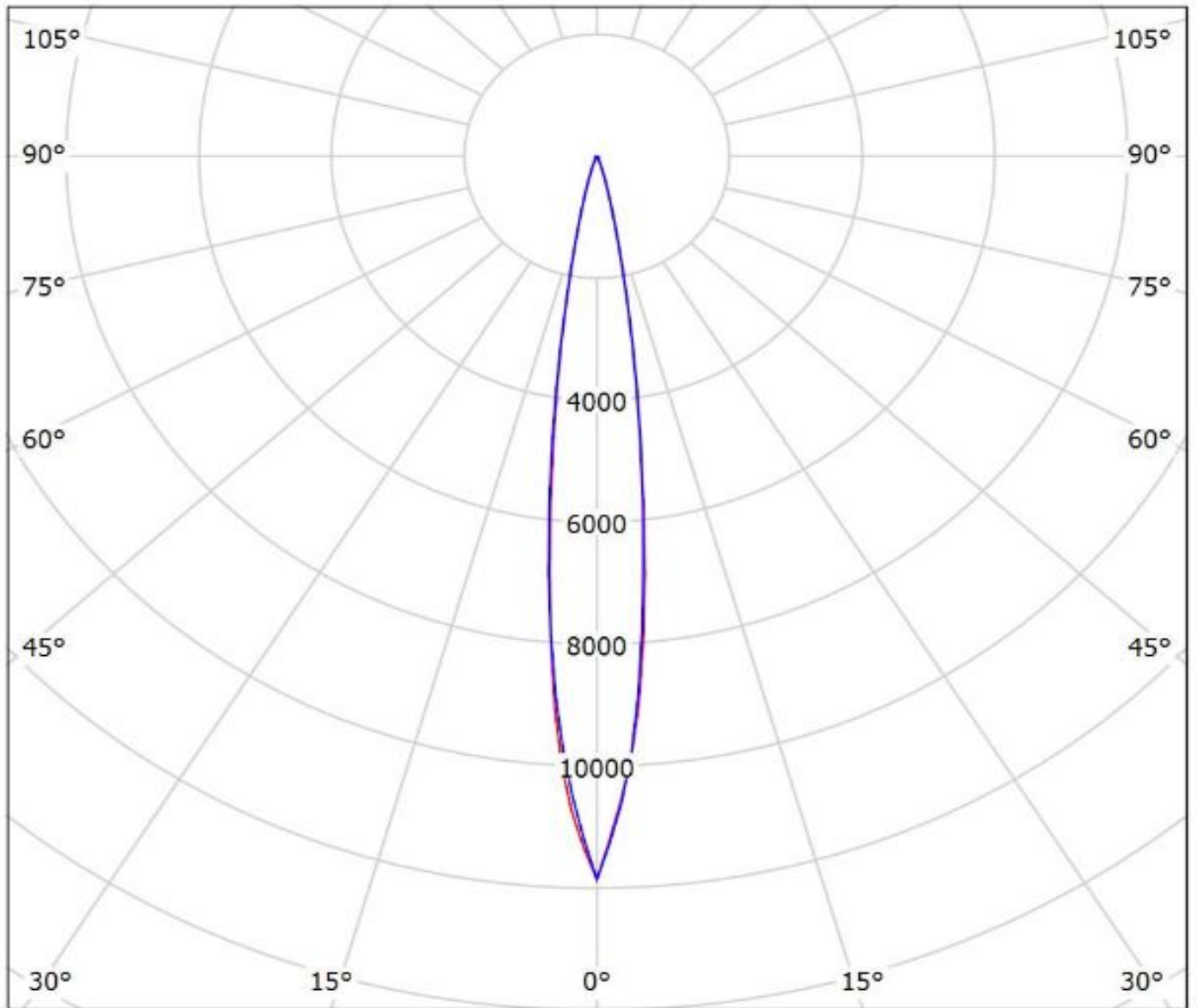
cd/klm

— C0 - C180

— C90 - C270

$\eta = 90\%$

Luminaire: Ledil Oy CA13630\_G2-LAURA-SS-P\_Seoul\_Z8Y22P\_SIMULATED  
Lamps: 1 x Seoul Z8Y22P



cd/klm  
— C0 - C180 — C90 - C270

$\eta = 98\%$

**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.**