

## DETAILS

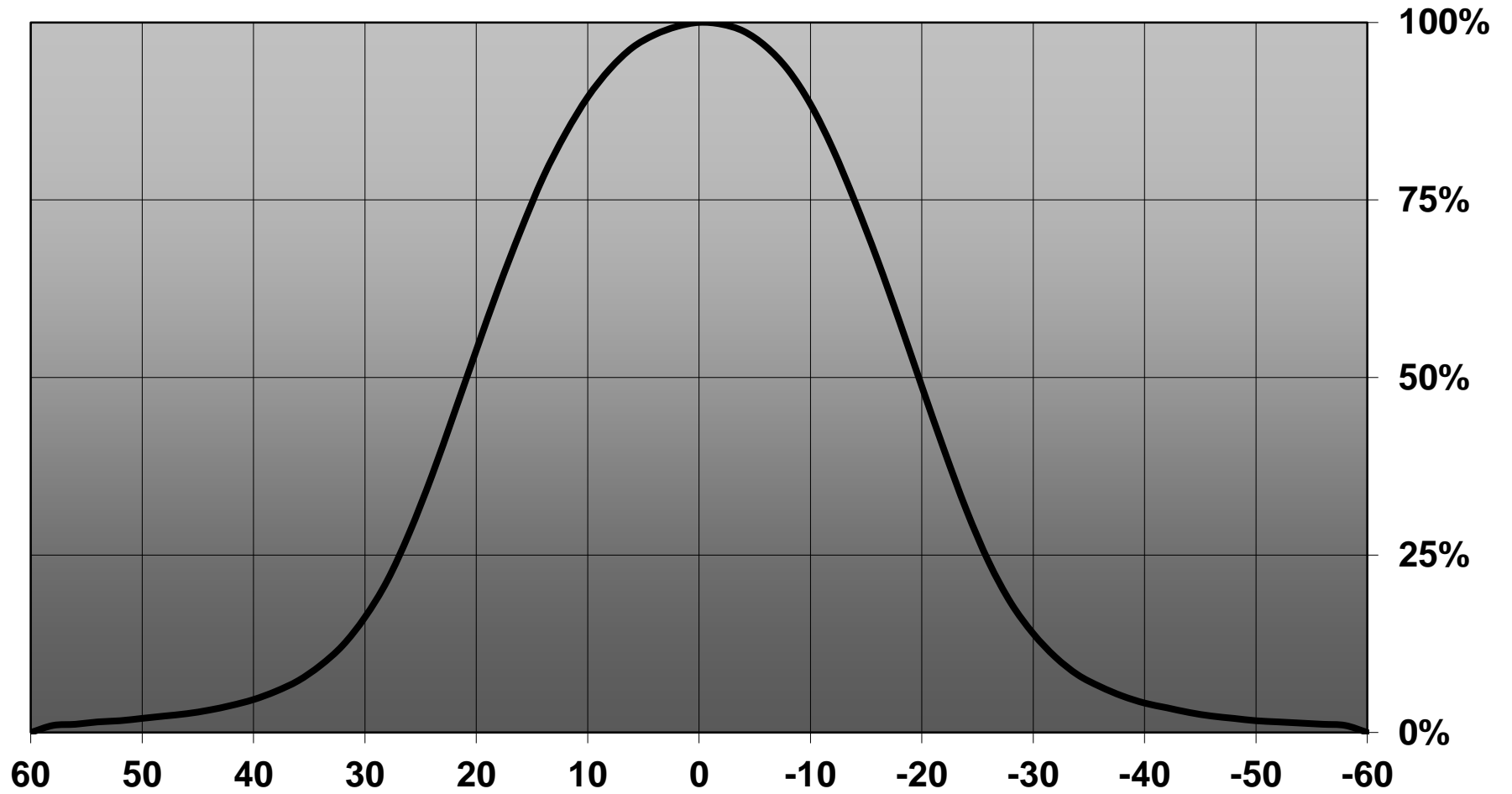
<b>Product Number</b>	CA13634_G2-LAURA-W-P
<b>Family</b>	Laura
<b>Type</b>	Assembly
<b>Color</b>	white
<b>Diameter</b>	21,6 x 21,6 mm
<b>Height</b>	13,1 mm
<b>Style</b>	square
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	tape, pin
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	31/10/2016

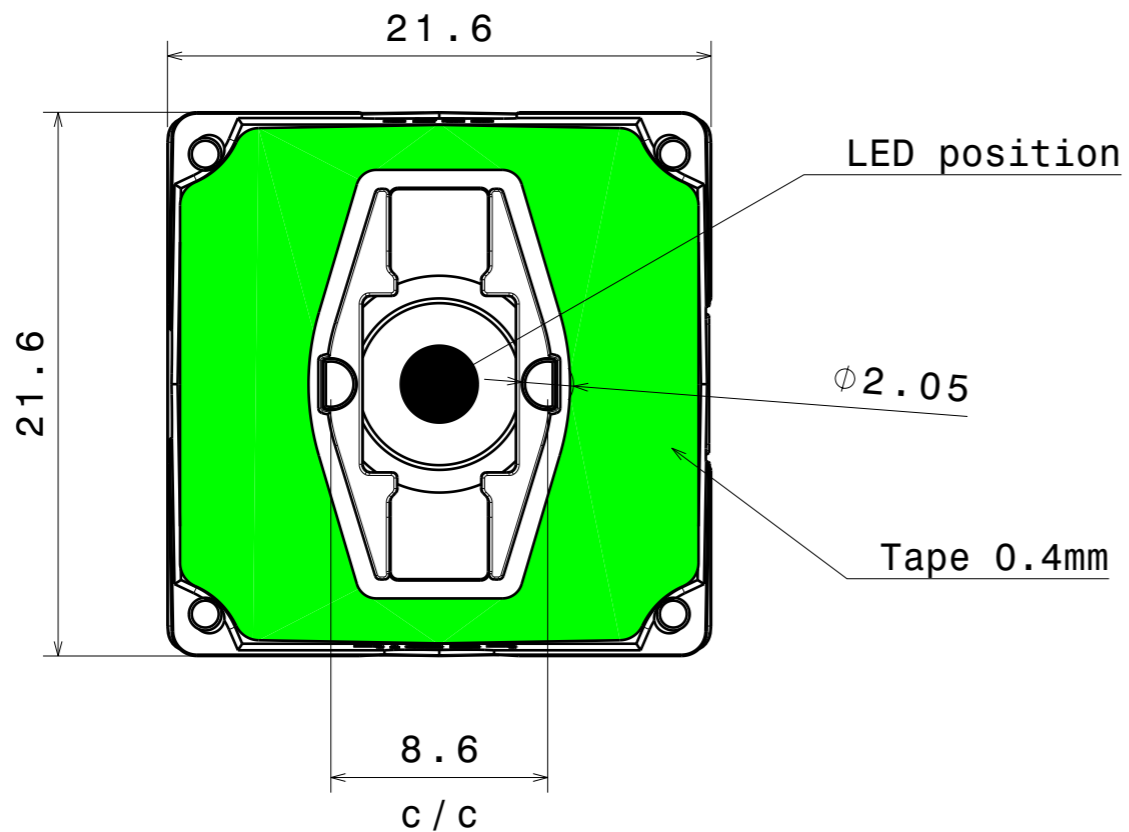
## OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
XP-G	46 deg	Wide	91 %	1.550	-
XB-D	40 deg	Wide	84 %	1.600	-
XP-E2	45 deg	Wide	87 %	1.500	-
XP-G2	47 deg	Wide	87 %	1.400	-
XP-E	45 deg	Wide	86 %	1.500	-
XT-E	43 deg	Wide	87 %	1.600	-
XP-L	49 deg	Wide	85 %	1.200	-
XB-H	47 deg	Wide	86 %	1.300	-
XHP35 HI	sim: 45	Wide	sim: 93 %	sim: 1.700	-
XP-L2	46 deg	Wide	83 %	1.300	-
LUXEON TX	42 deg	Wide	86 %	1.600	-
LUXEON 3030 2D	37 deg	Wide	86 %	1.900	-
NCSxx19A	41 deg	Wide	88 %	1.700	-
NVSxx19A	41 deg	Wide	87 %	1.700	-
NVSxx19B/NVSxx19C	41 deg	Wide	84 %	1.700	-
Oslon Square EC	46 deg	Wide	87 %	1.400	-
SFH 4770S	sim: 27	Wide	sim: 93 %	-	-
Oslon Black	sim: 41	Wide	sim: 95 %	sim: 2.300	-
Oslon Black Flat	sim: 34	Wide	sim: 94 %	sim: 2.900	-
Z8Y22P	sim: 40	Wide	sim: 98 %	sim: 2.150	-

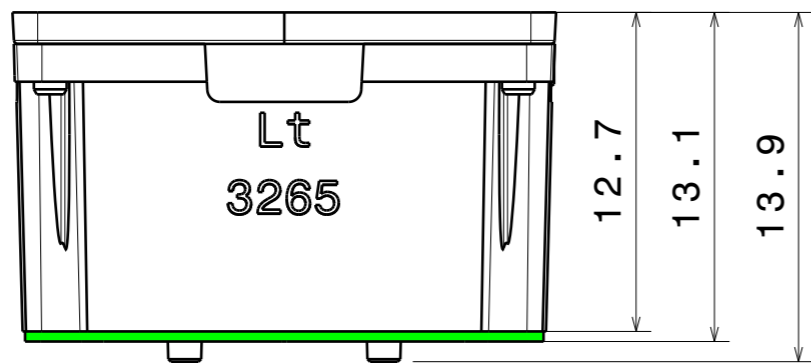


Relative intensity of CA13634\_G2-LAURA-W-P\_(NVSxx19B)

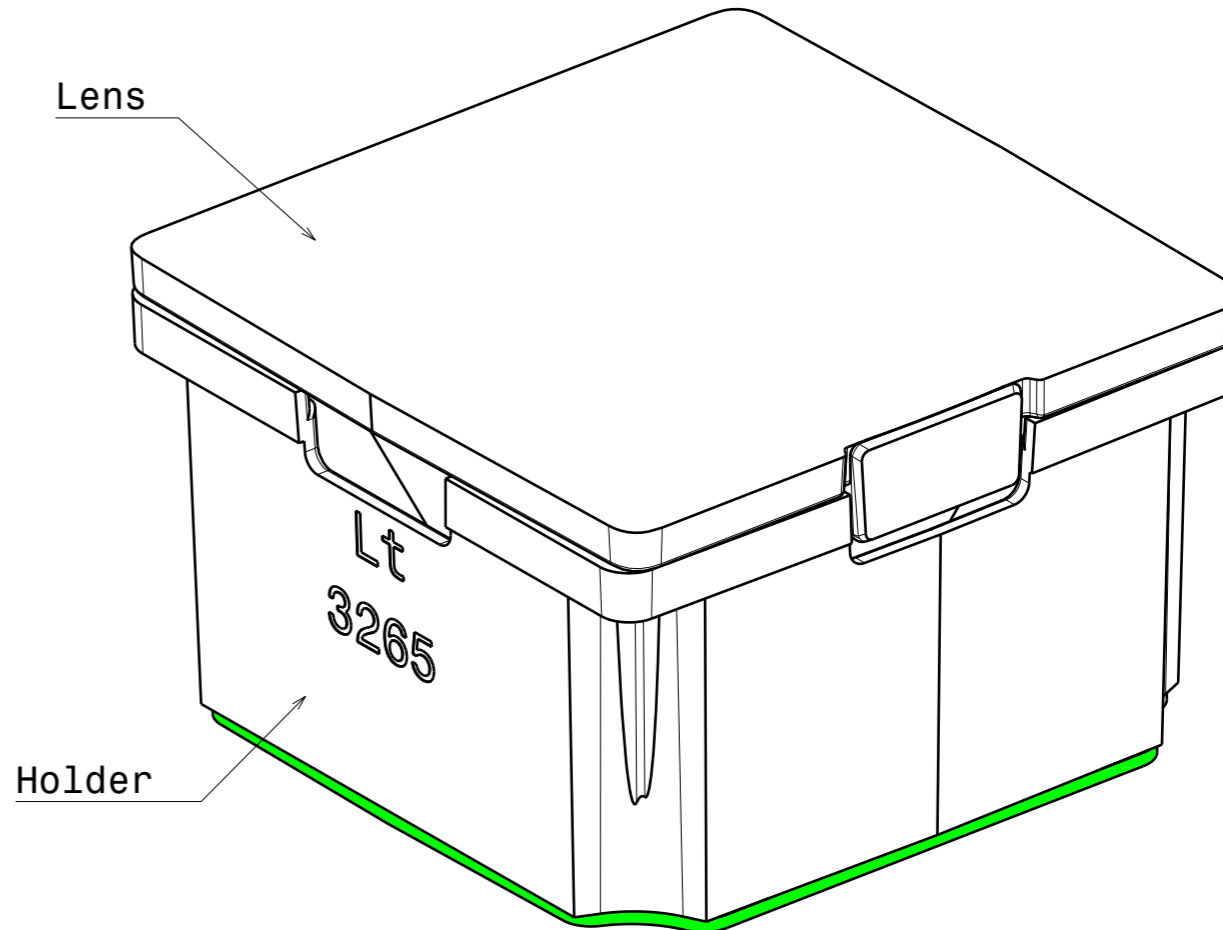




Bottom view



Front view



Isometric view  
Scale: 5:1

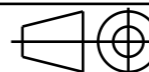
INDEX	PART NO	MATERIAL	COLOUR
1	-	PU foam	black
2	C13265	PC	white
3	C12342	PMMA	clear

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

**LEDiL**

Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

CA13634\_G2-LAURA-W-P

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SIZE PART NUMBER

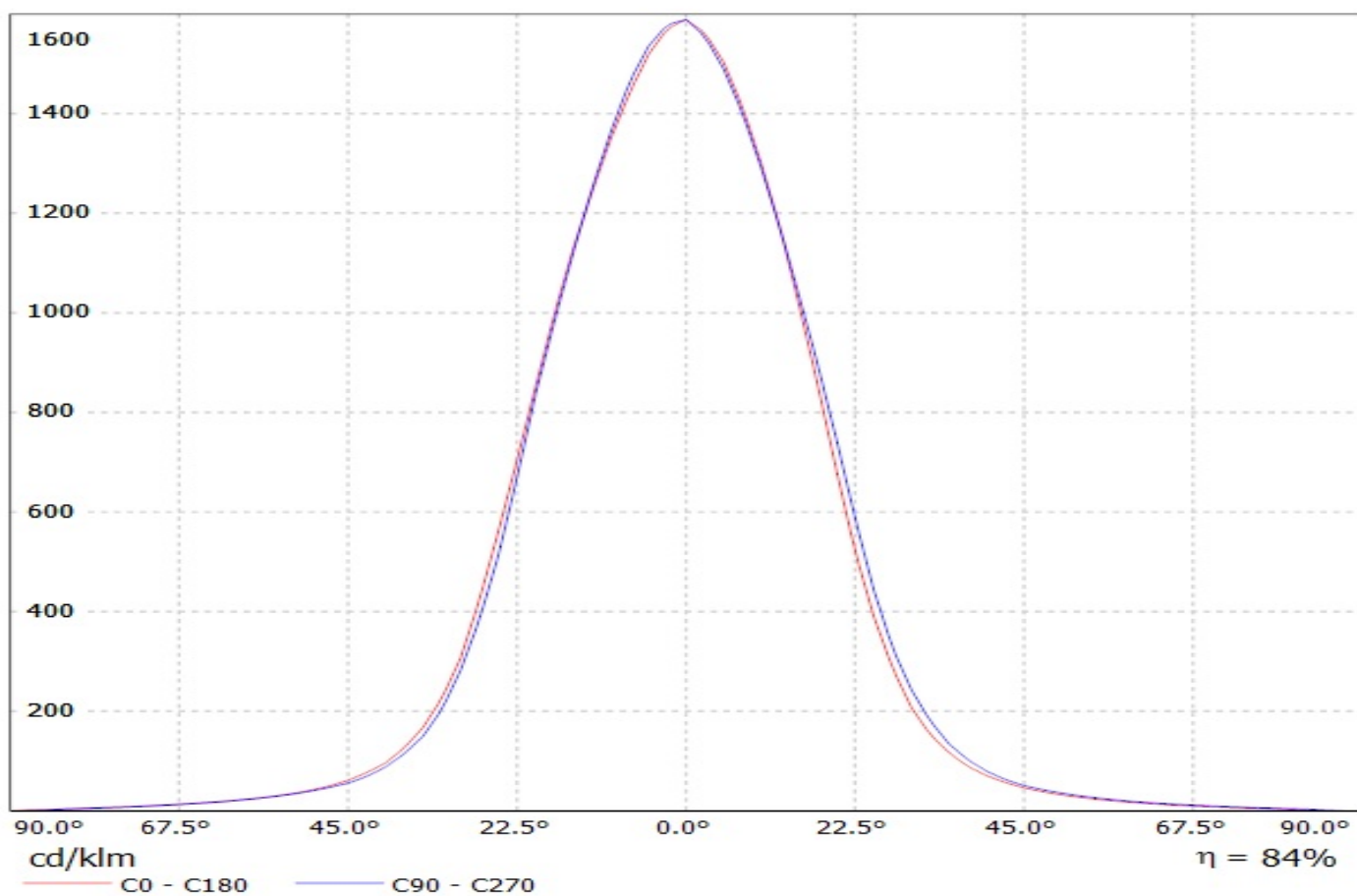
A3

CA13634

SCALE 10:3 WEIGHT -

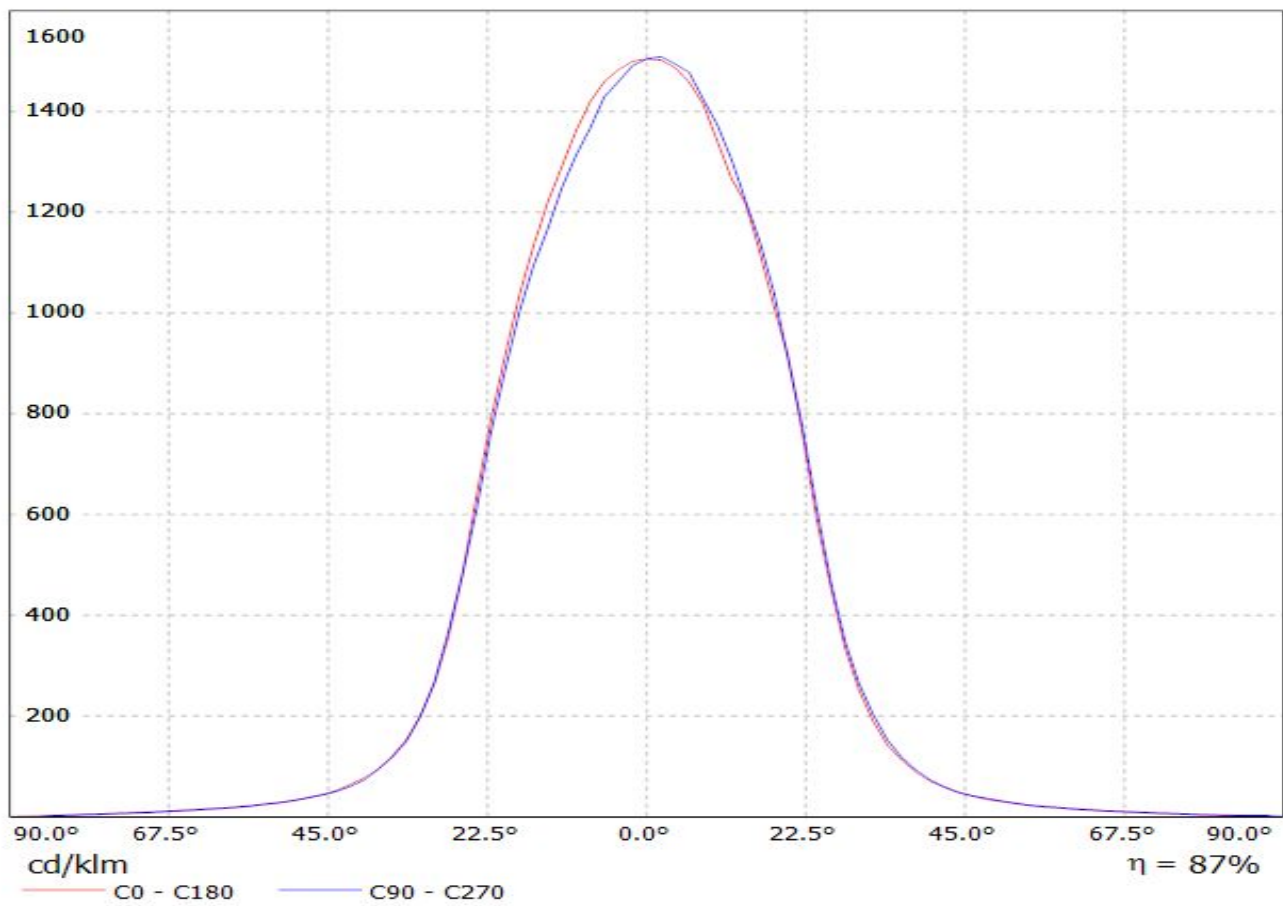
SHEET 1/1

Luminaire: LEDil Oy CA13634\_G2-LAURA-W-P\_(XB-D)  
Lamps: 1 x Cree XB-D (97.2lm @ 250mA) P=0.8W I=250mA



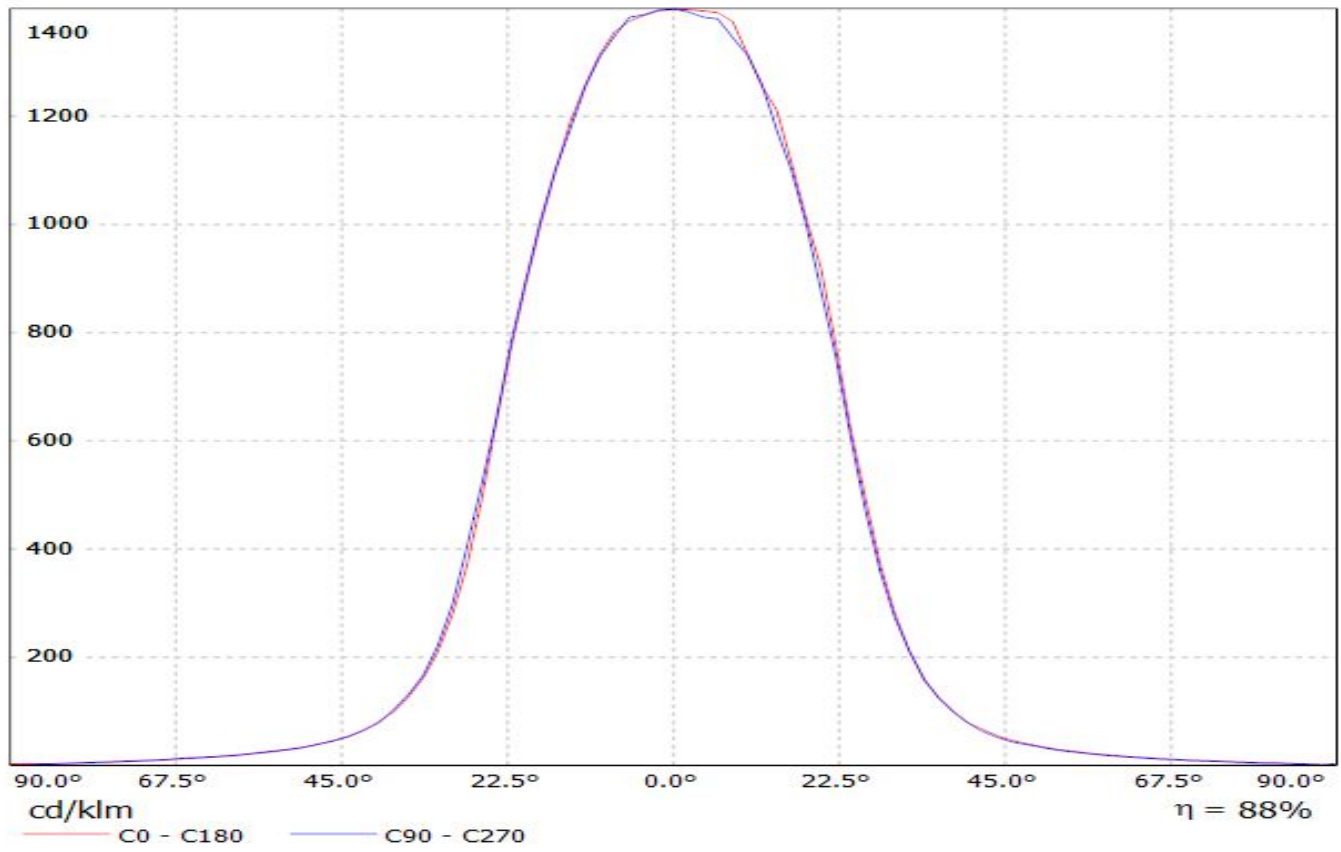
Luminaire: LEDil Oy CA13634\_G2-LAURA-W-P\_(XP-E2)

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



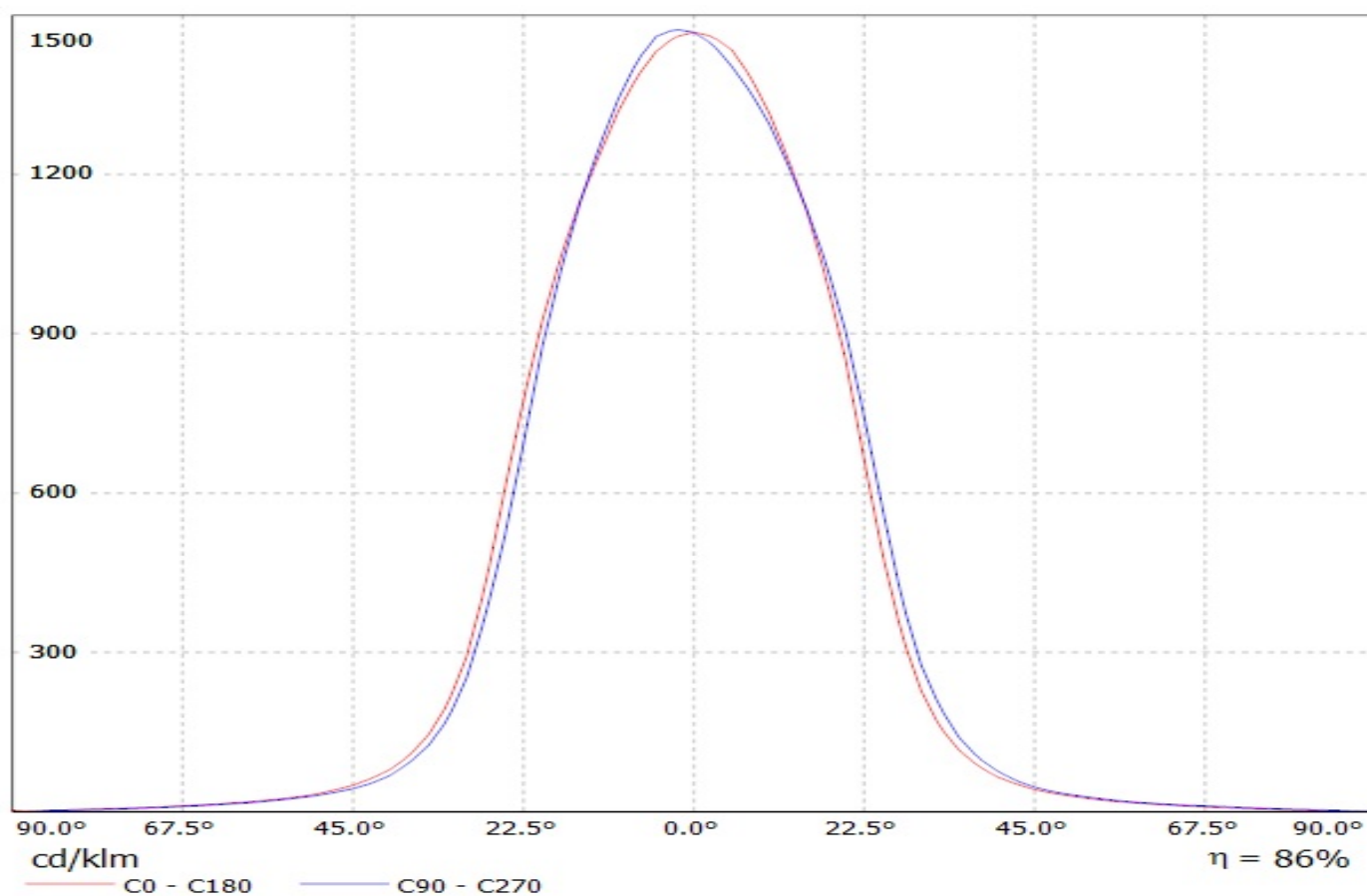
Luminaire: LEDil Oy CA13634\_G2-LAURA-W-P\_(XP-G2)

Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 100lm @ 250mA CCT=4934K P=0.74W I=150mA



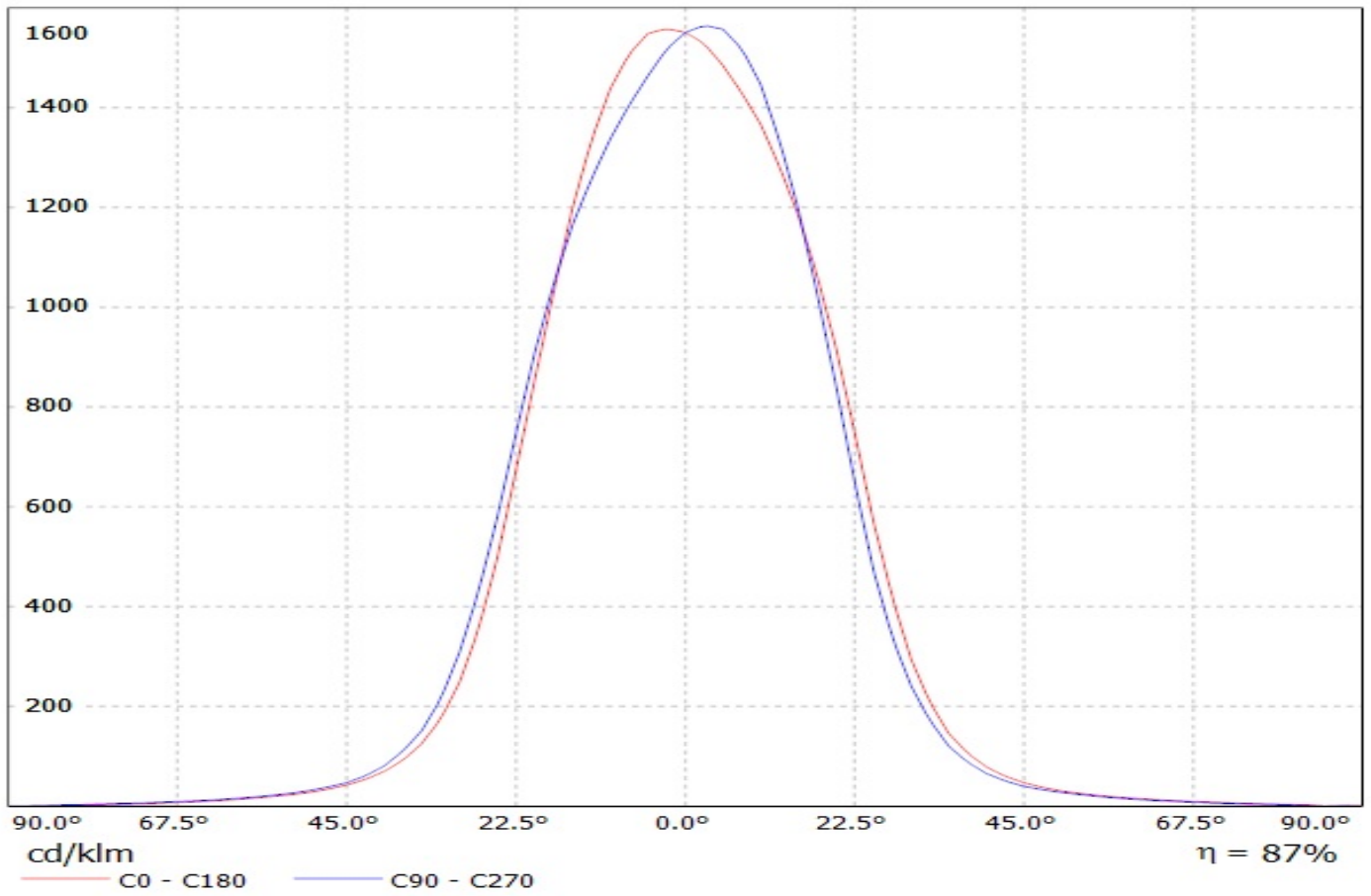
Luminaire: LEDil Oy CA13634\_G2-LAURA-W-P\_(XP-E)

Lamps: 1 x Cree XP-E (XPEWHT-L1-3C0-Q5-0-06) 78.31lm @ 250mA CCT=5241K P=0.8W I=250mA



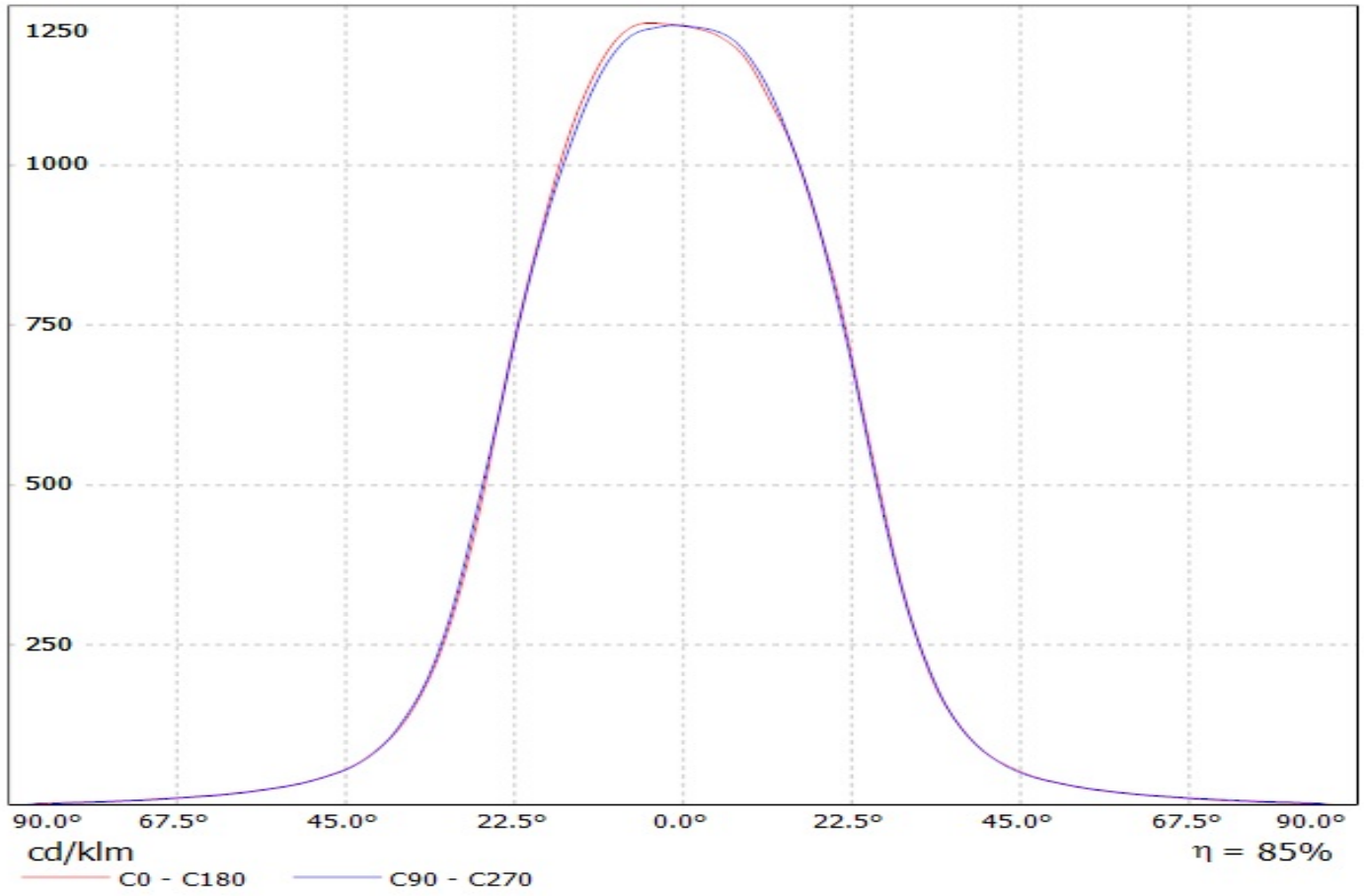
Luminaire: LEDil Oy CA13634\_G2-LAURA-W-P\_(XT-E)

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



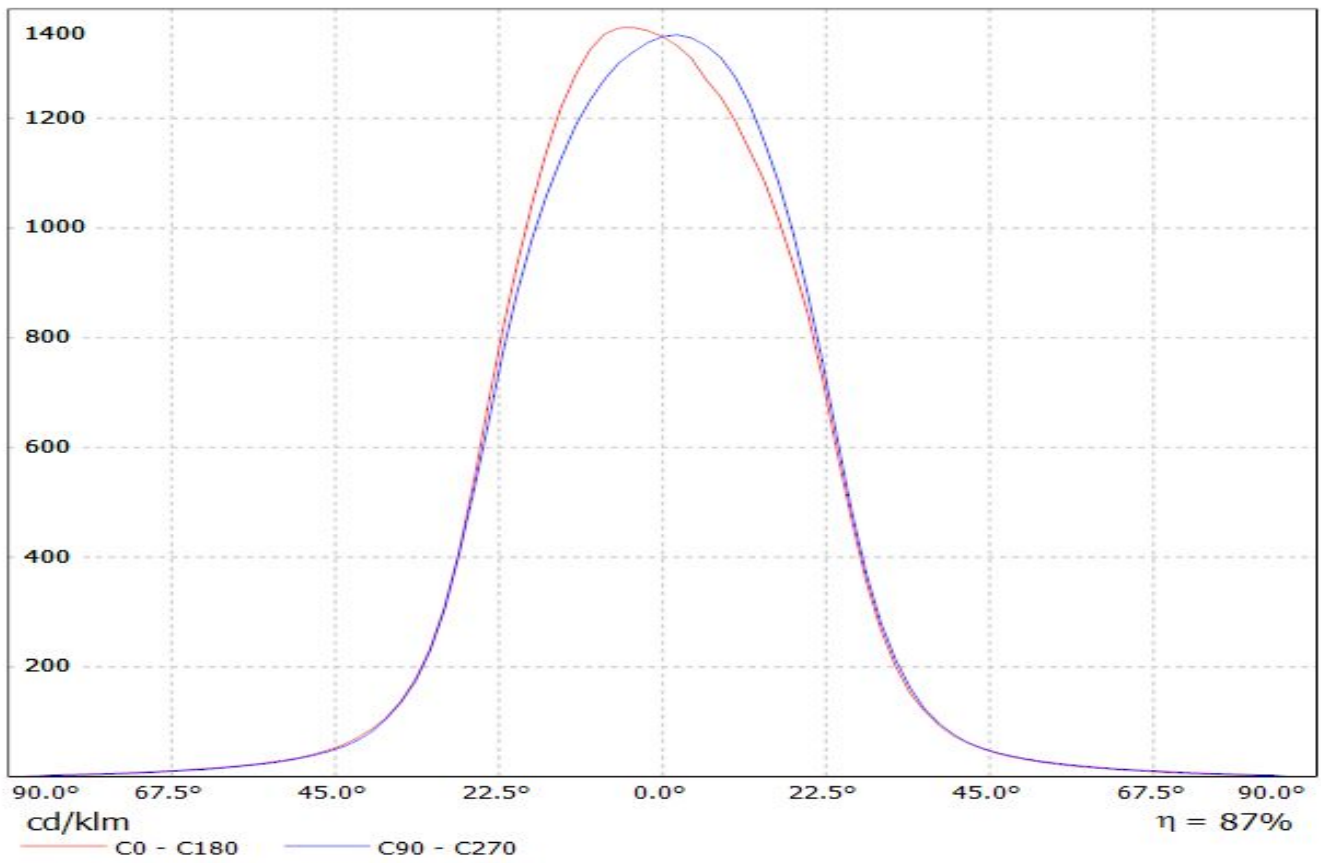


Luminaire: LEDil Oy CA13634\_G2-LAURA-W-P\_(XP-L)  
Lamps: 1 x Cree XP-L (124.35lm @ 250mA) P=0.7W I=250mA

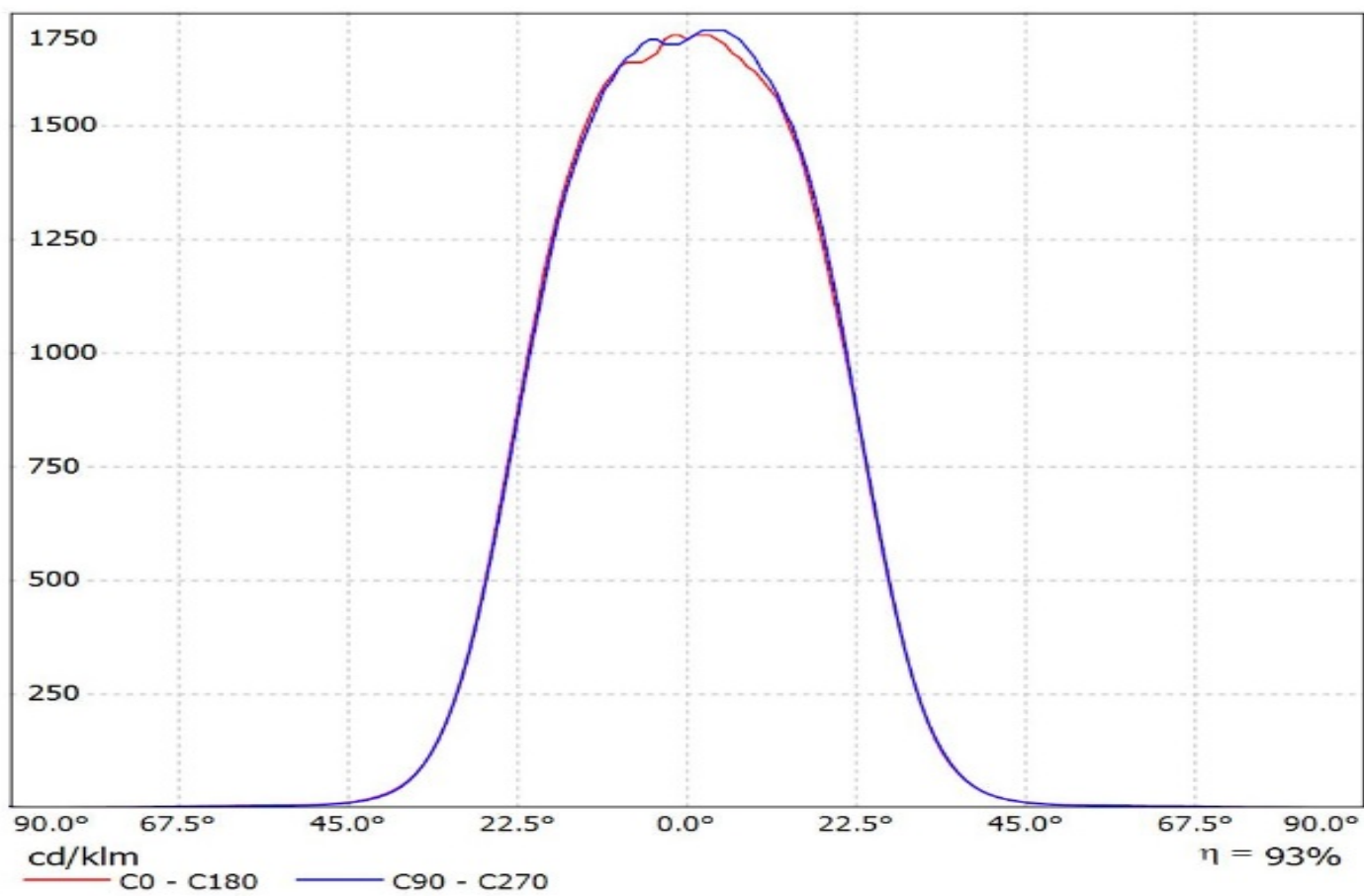


Luminaire: Ledil Oy CA13634\_G2-LAURA-W-P\_(XB-H)

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

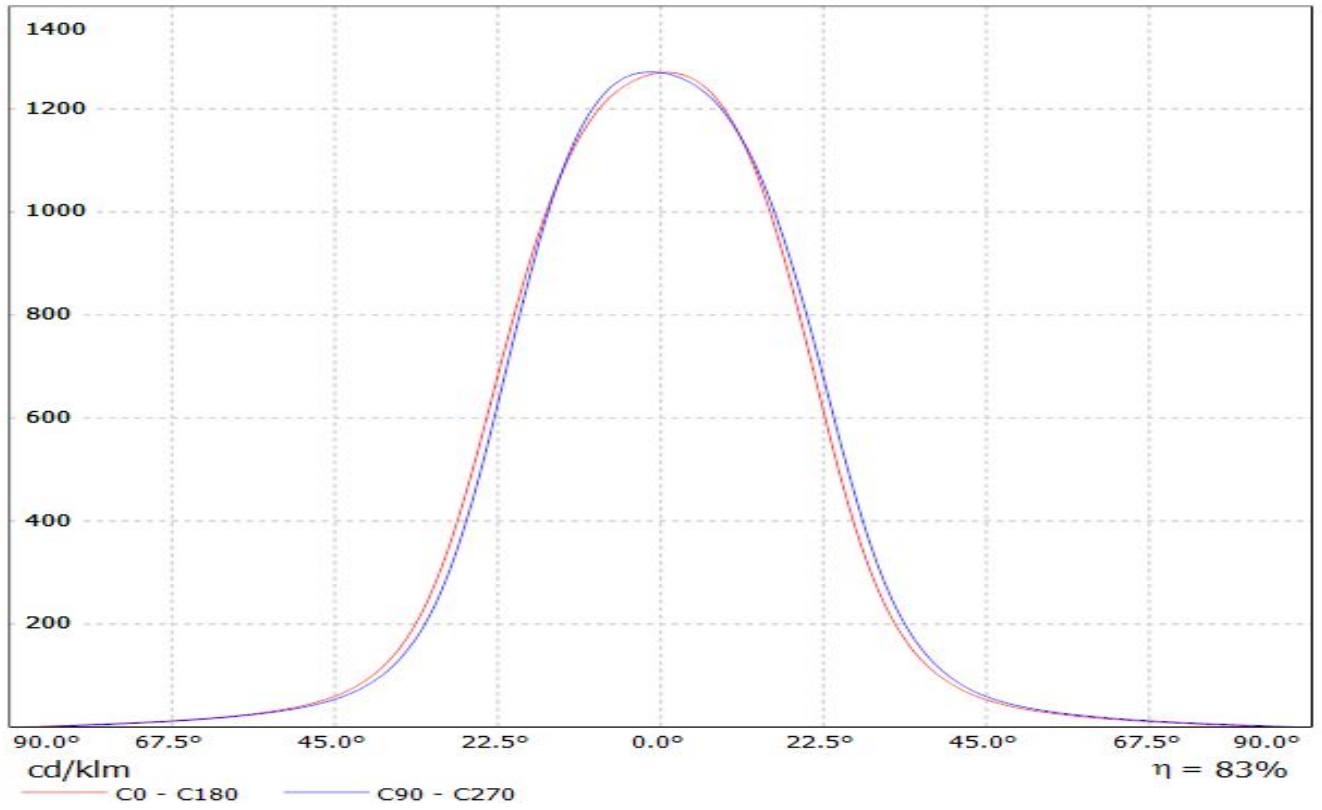


Luminaire: Ledil Oy CA13634\_G2-LAURA-W-P\_(XHP35\_HI)\_SIMULATED  
Lamps: 1 x Cree XHP35 HI

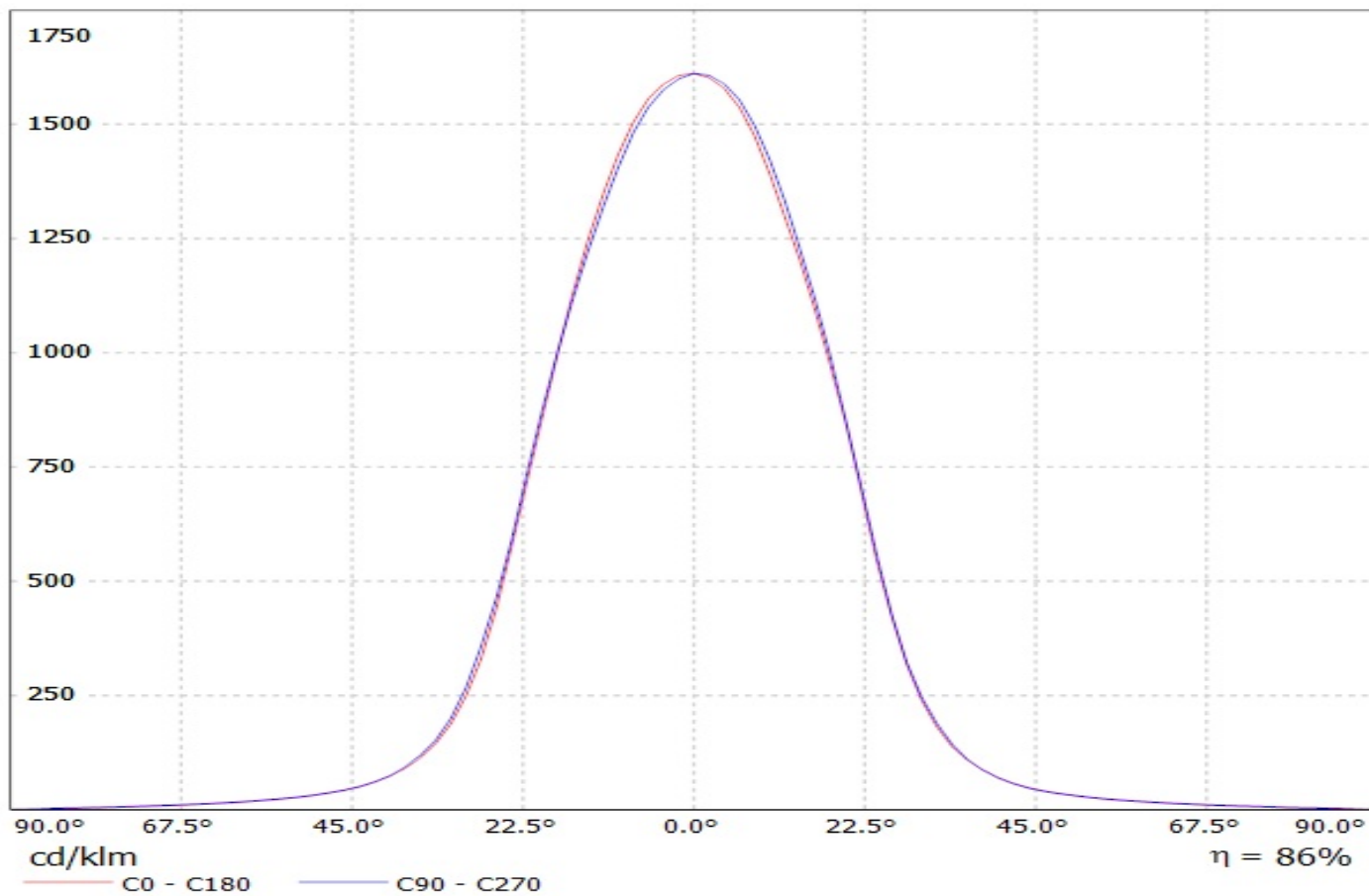


Luminaire: Ledil CA13634\_G2-LAURA-W-P\_(XP-L2)

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

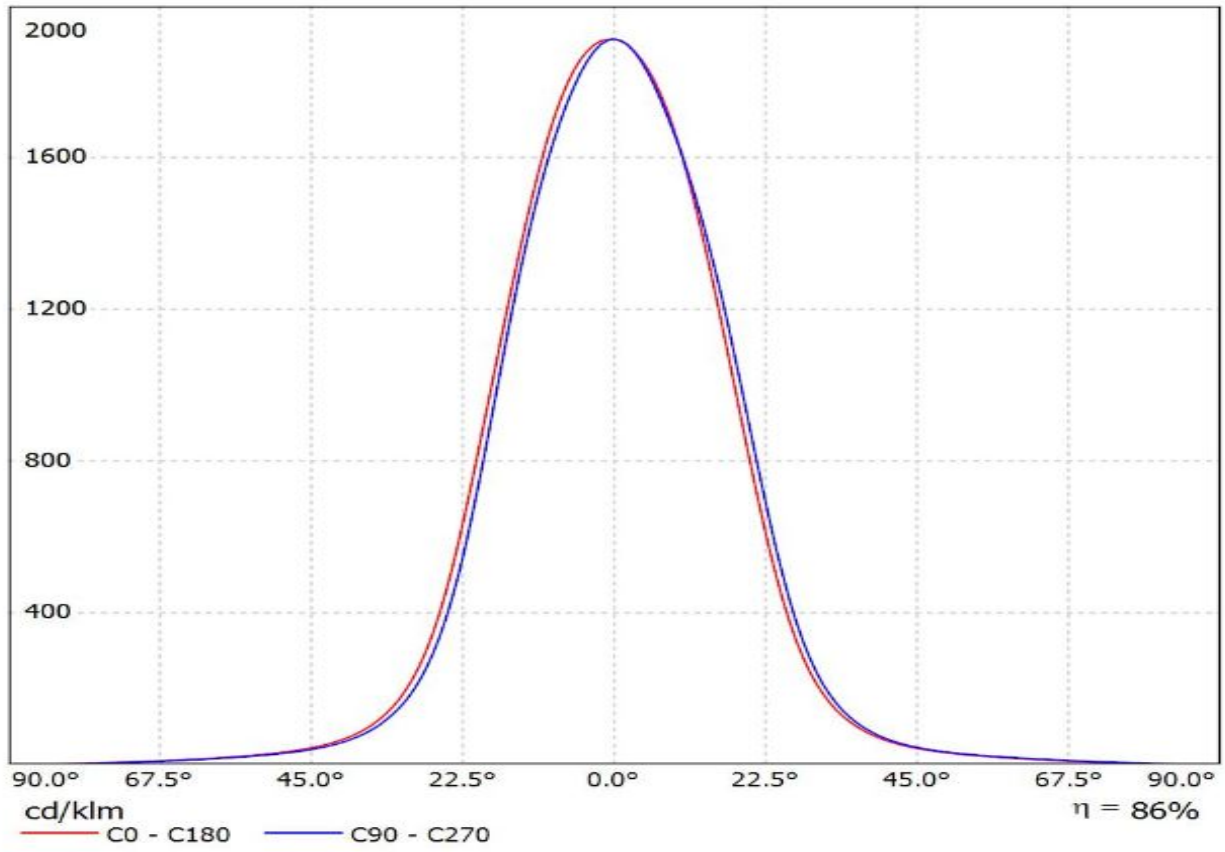


Luminaire: Ledil Oy CA13634\_G2-LAURA-W-P\_(Luxeon\_TX)  
Lamps: 1 x Philips Lumileds Luxeon TX (88.70lm @ 250mA) P=0.7W I=250mA

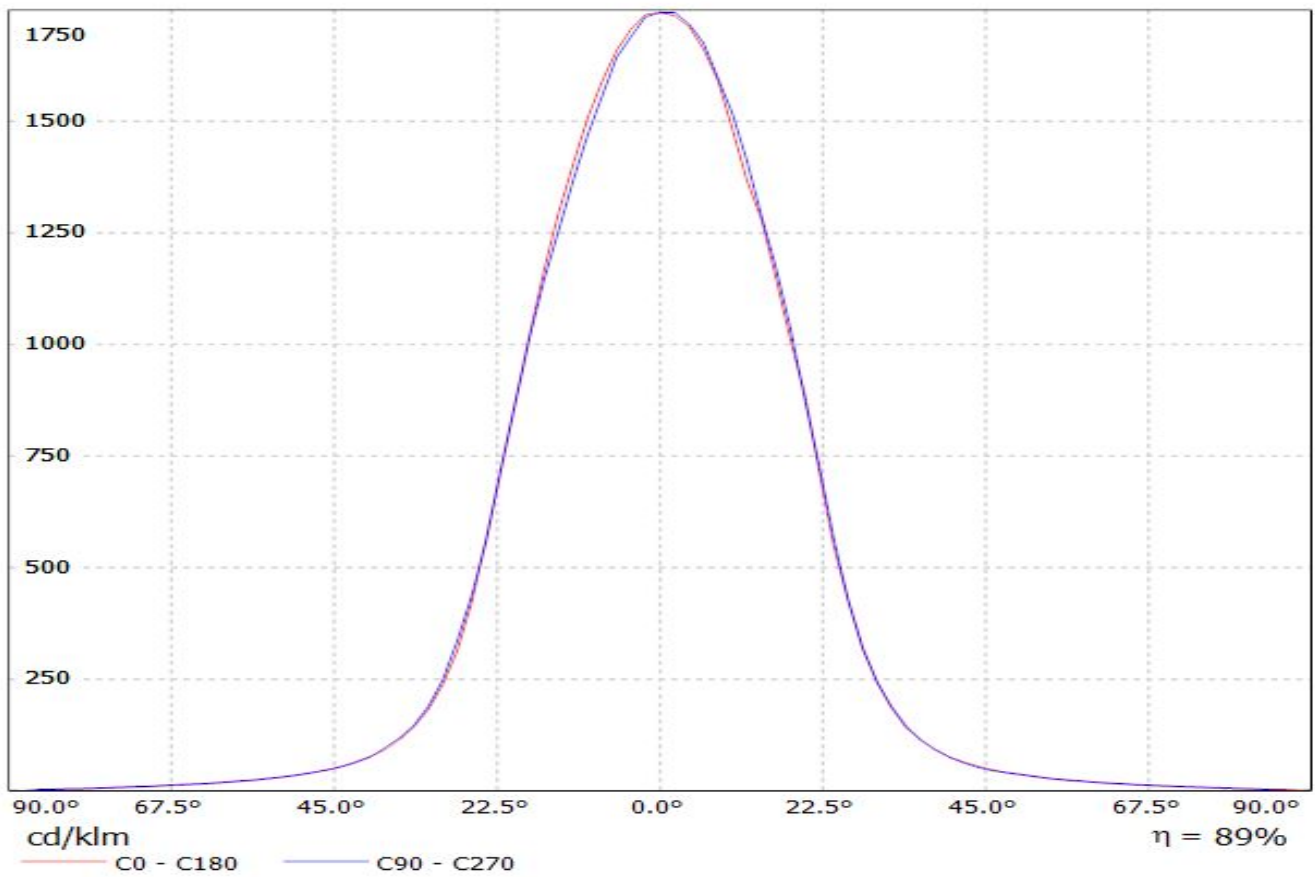


Luminaire: Ledil CA13634\_G2-LAURA-W-P\_(LUXEON\_3030\_2D)

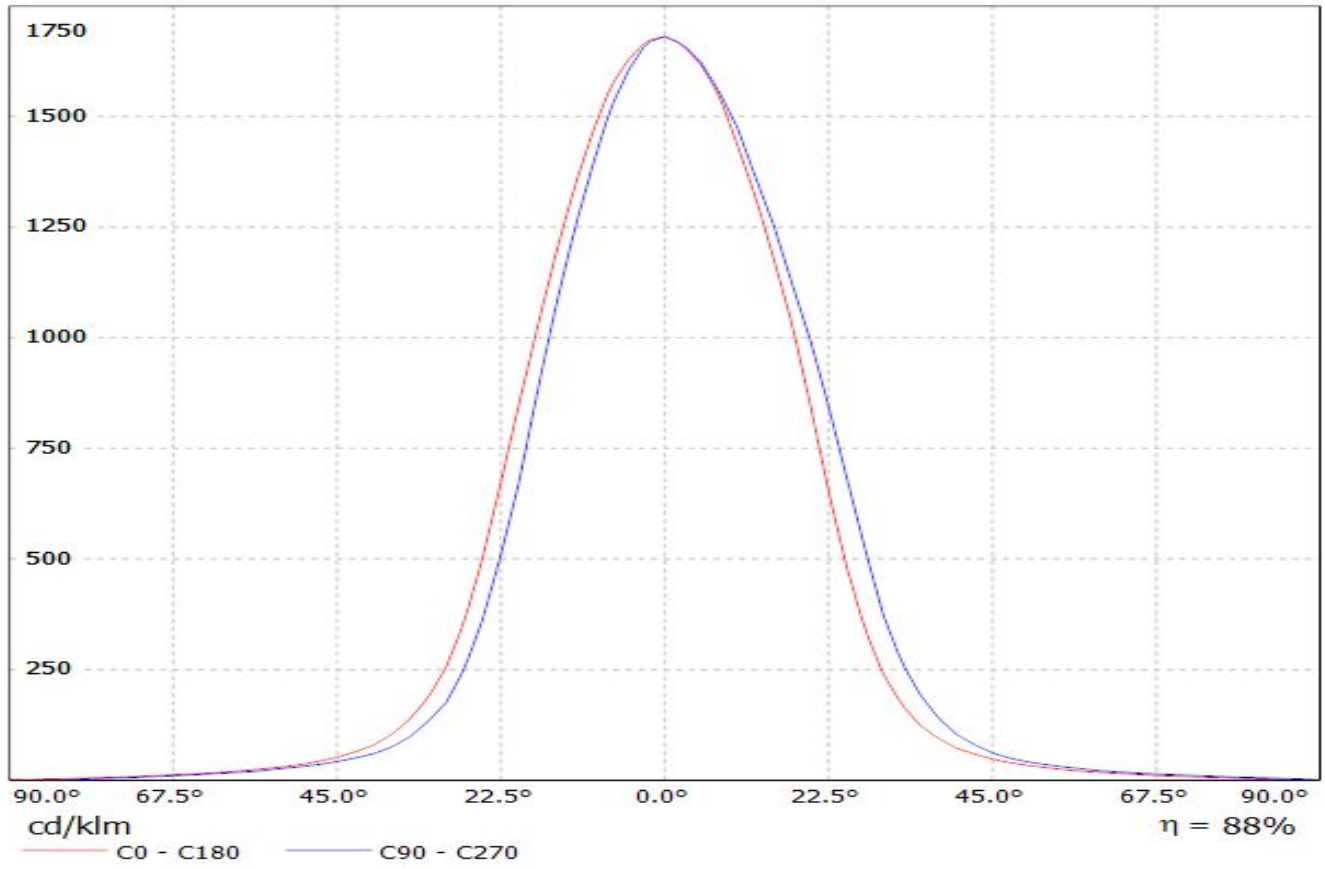
Lamps: 1 x LUXEON\_3030\_2D\_(L130-5080)\_73.2834lm@100mA\_CCT=5000K\_P=0.595784W\_I=0.1A



Luminaire: Ledil Oy CA13634\_G2-LAURA-W-P\_(NCS19)  
Lamps: 1 x Nichia NCSxx19A 67lm @ 250mA CCT= P=0.77W I=250mA



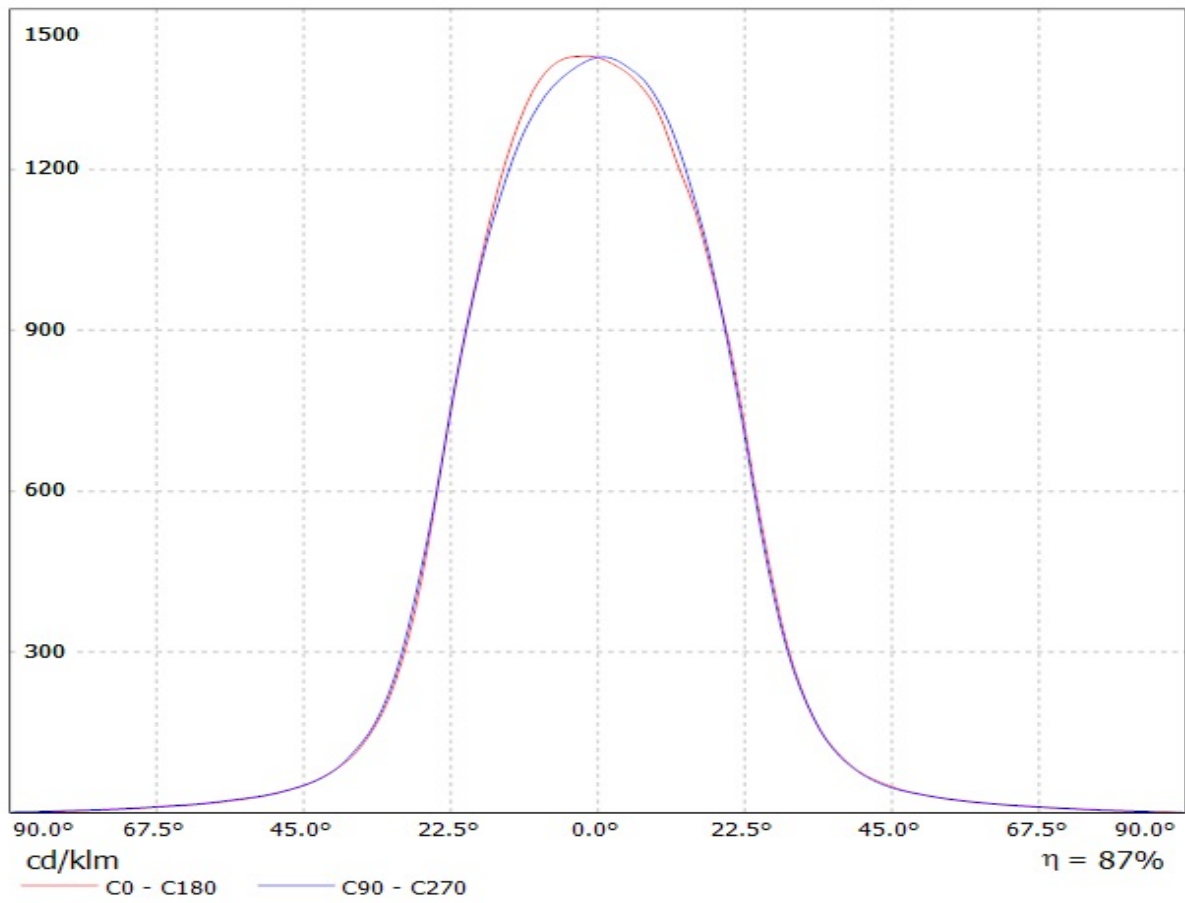
Luminaire: Ledil Oy CA13634\_G2-LAURA-W-P\_(NVS19)  
Lamps: 1 x Nichia NVSxx19A 93lm @ 250mA CCT= P=0.75W I=250mA



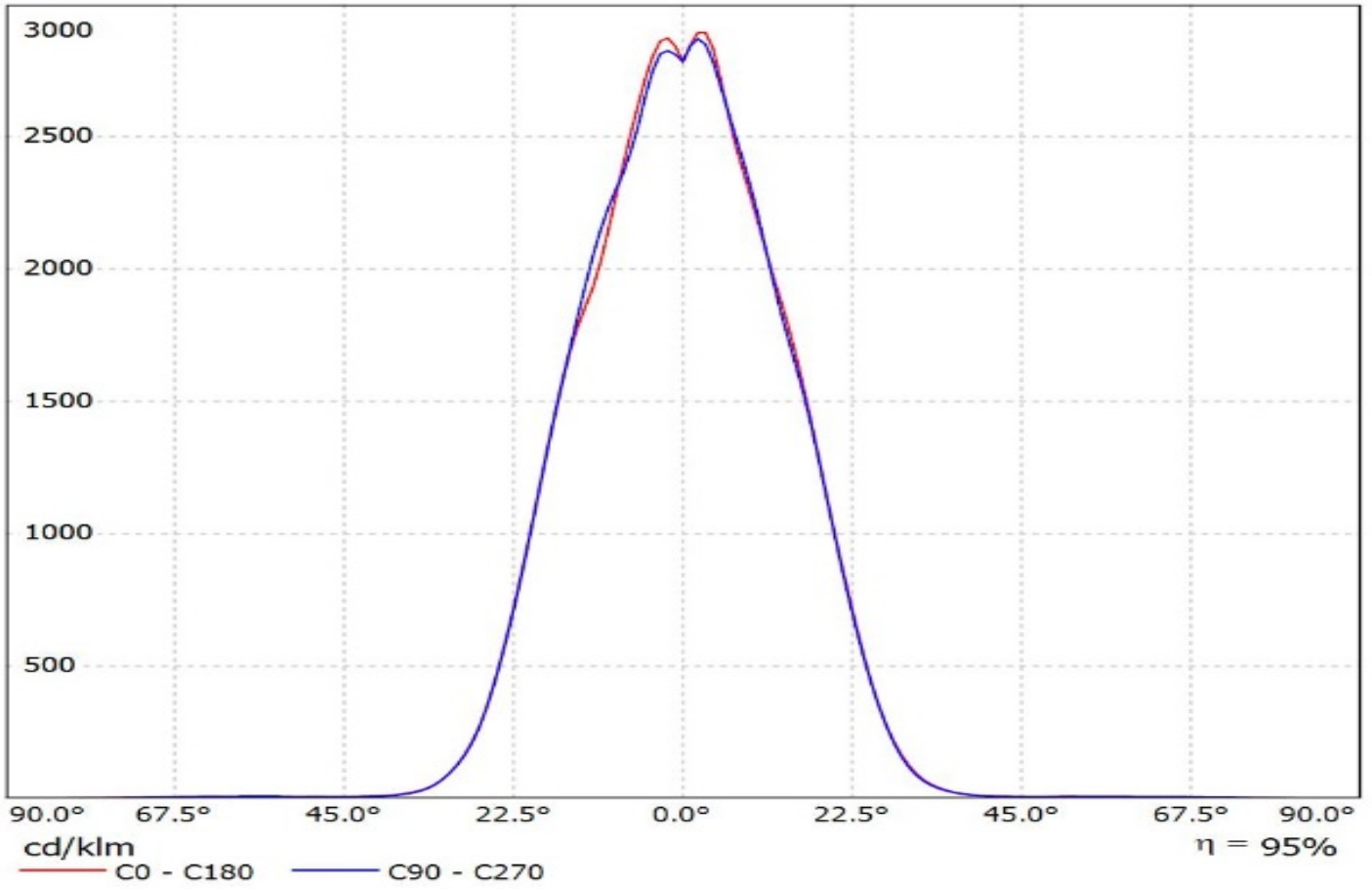


Luminaire: LEDil Oy CA13634\_G2-LAURA-W-P\_(Oslon\_Square\_EC)

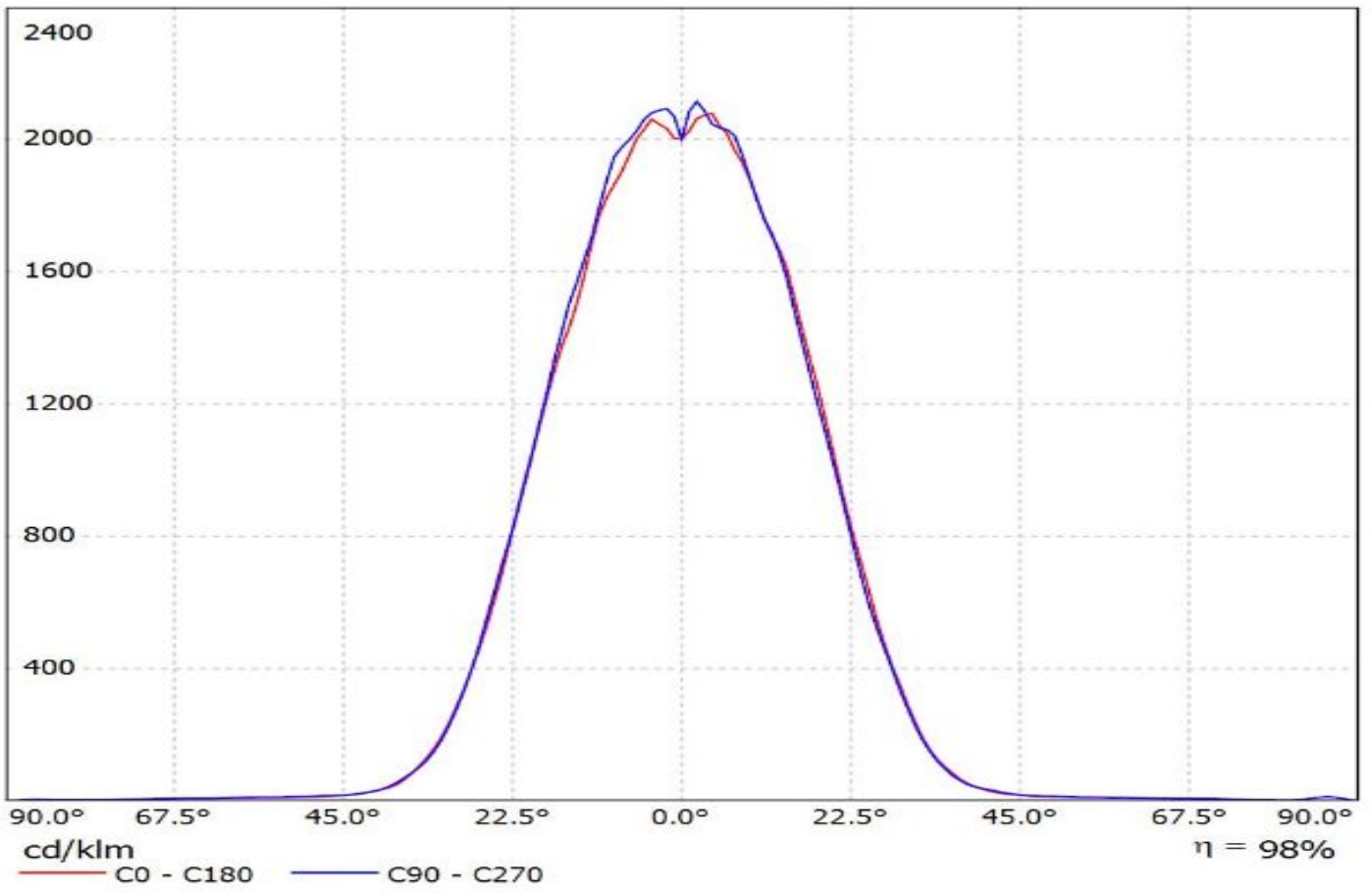
Lamps: 1 x Osram Oslon Square EC (LCW CQAR-EC-MQMS-5R8T-35) 77.57lm @ 250mA CCT=3226K P=0.8W I=250mA



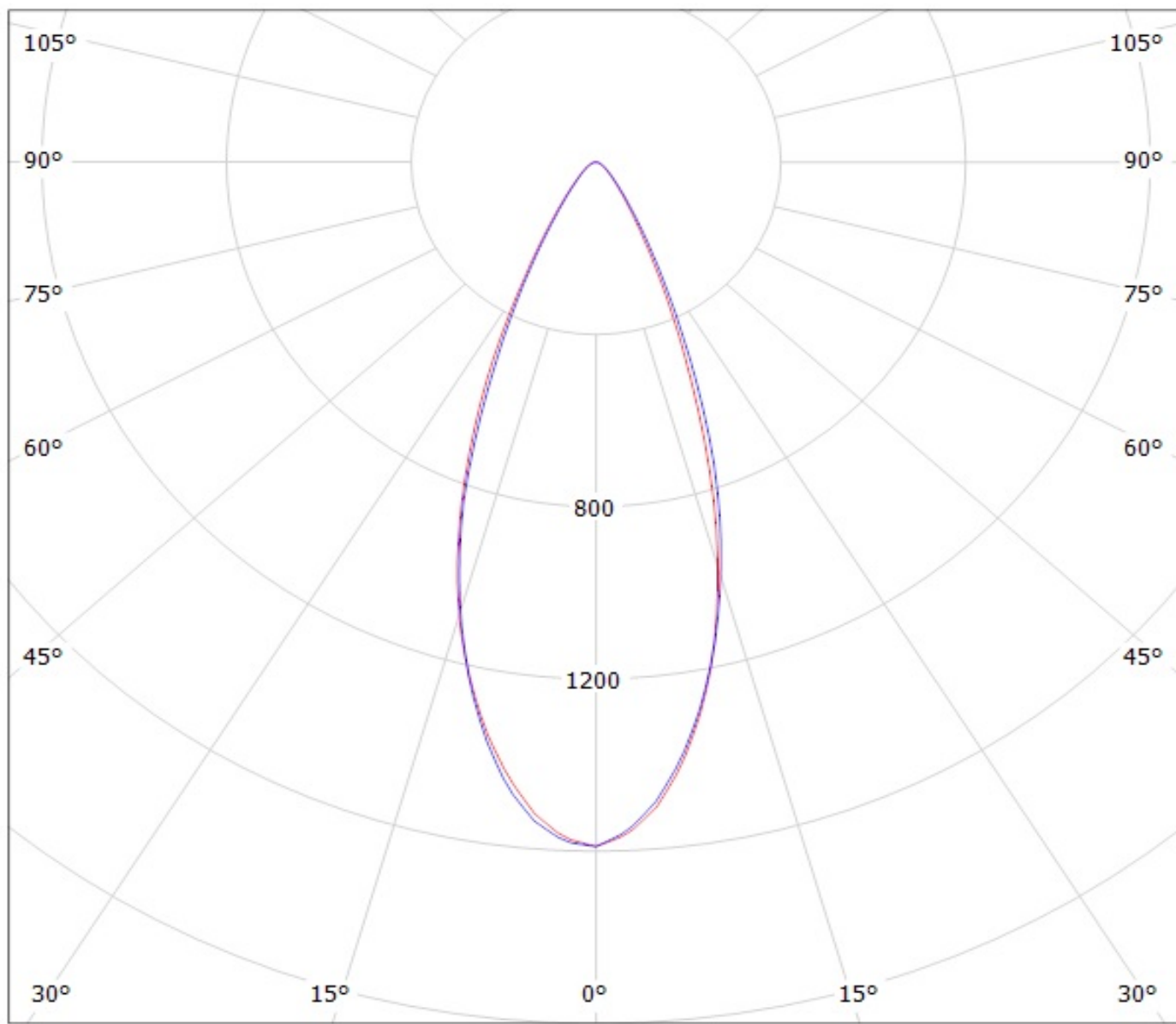
Luminaire: Ledil Oy CA13634\_G2-LAURA-W-P\_(Oslon\_Black\_Flat)\_SIMULATED  
Lamps: 1 x Osram Oslon Black Flat (LUW HWQP)



Luminaire: Ledil Oy CA13634\_G2-LAURA-W-P\_Seoul\_Z8Y22P\_SIMULATED  
Lamps: 1 x Seoul Z8Y22P



Luminaire: LEDil Oy CA13634\_G2-LAURA-W-P\_(XB-D)  
Lamps: 1 x Cree XB-D (97.2lm @ 250mA) P=0.8W I=250mA



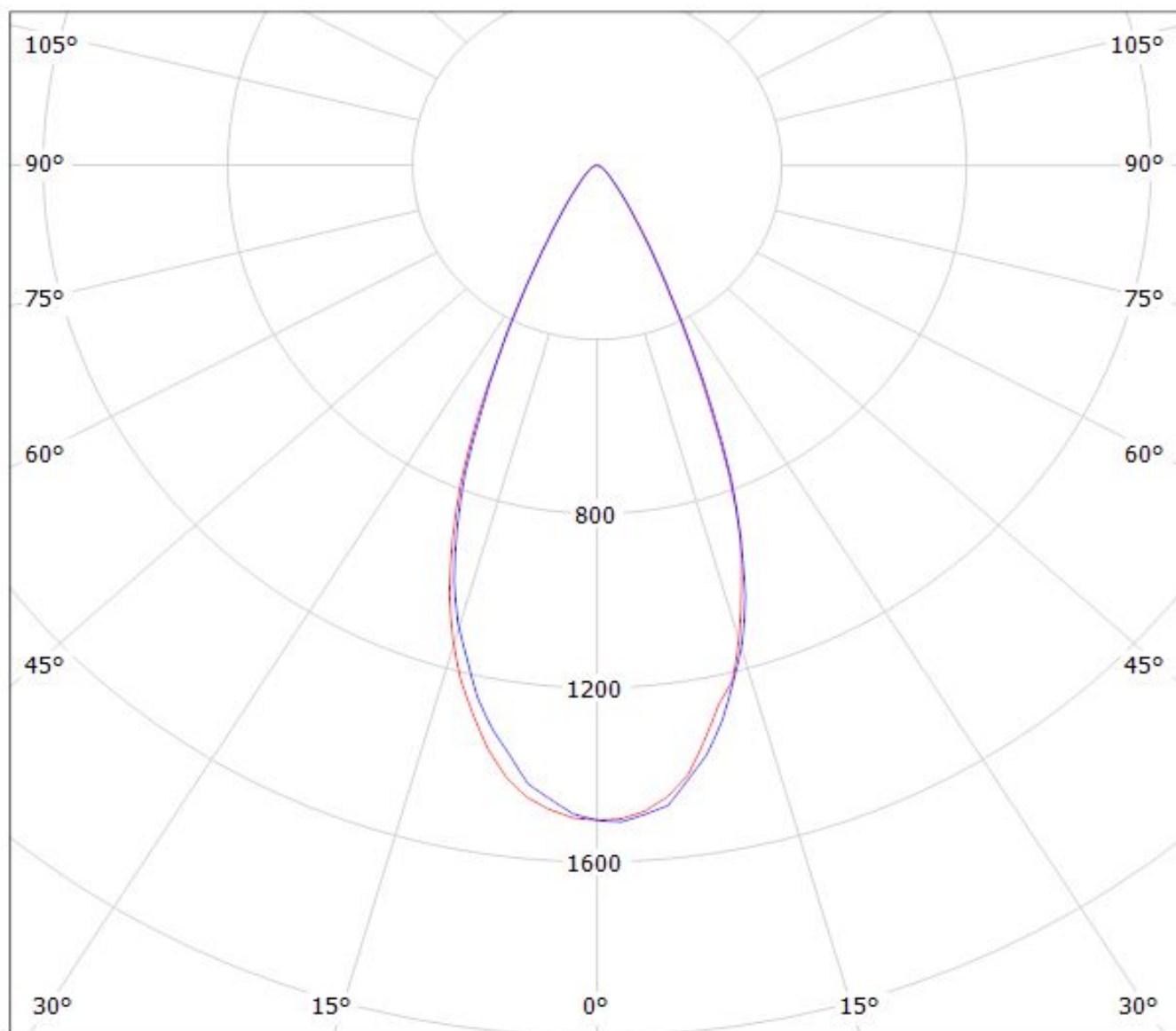
cd/klm

— C0 - C180    — C90 - C270

$\eta = 84\%$

Luminaire: LEDil Oy CA13634\_G2-LAURA-W-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

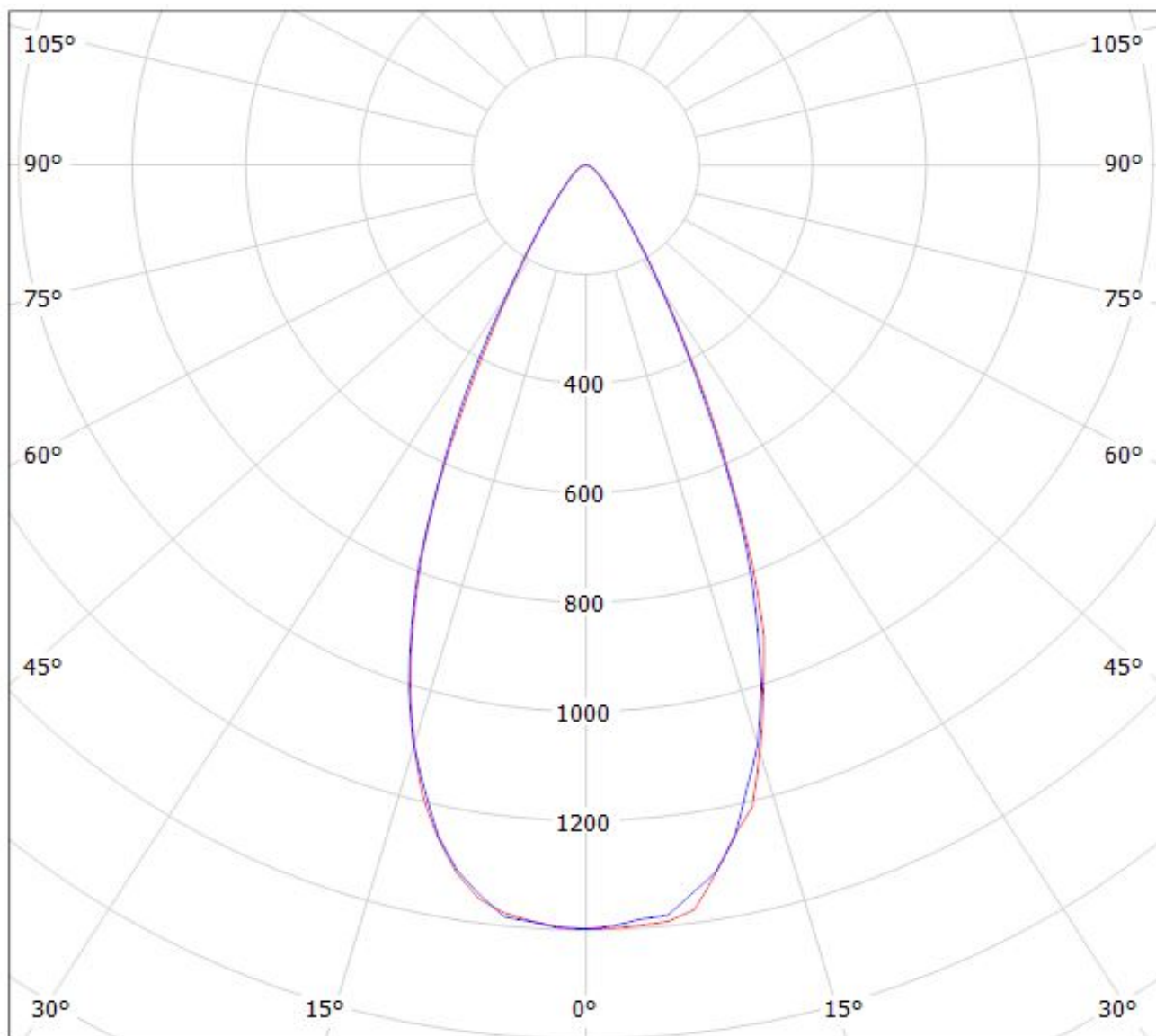
— C0 - C180

— C90 - C270

$\eta = 87\%$

Luminaire: LEDil Oy CA13634\_G2-LAURA-W-P\_(XP-G2)

Lamps: 1 x Cree XP-G2 (XPGBWTL1-0000-00FE4) 100lm @ 250mA CCT=4934K P=0.74W I=150mA



cd/klm

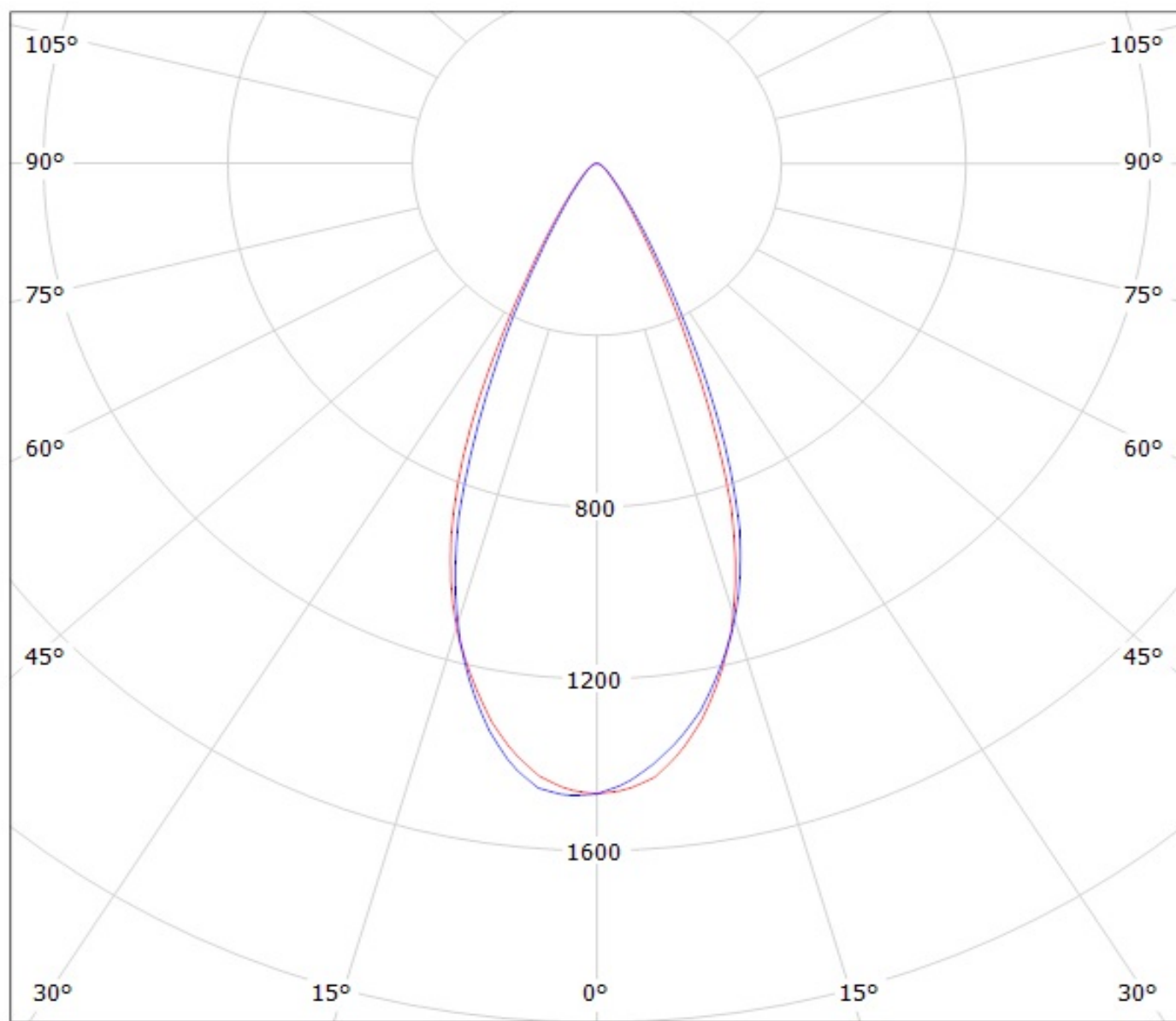
$\eta = 88\%$

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CA13634\_G2-LAURA-W-P\_(XP-E)

Lamps: 1 x Cree XP-E (XPEWHT-L1-3C0-Q5-0-06) 78.31lm @ 250mA CCT=5241K P=0.8W I=250mA



cd/klm

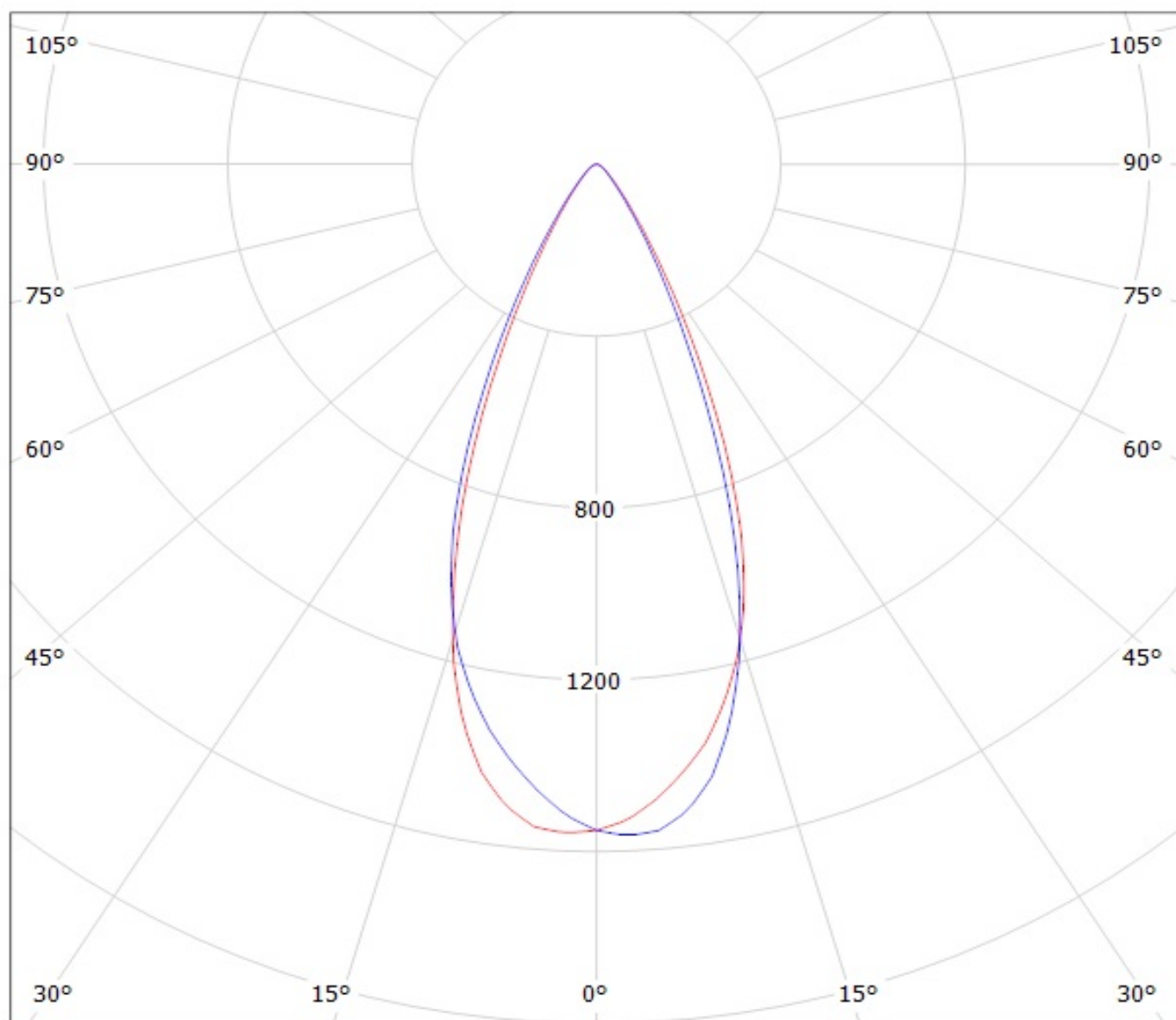
$\eta = 86\%$

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CA13634\_G2-LAURA-W-P\_(XT-E)

Lamps: 1 x Cree XT-E (XTEAWT-00-0000-000000HBE8) 73.22lm @ 250mA CCT=2800K P=0.8W I=250mA



cd/klm

— C0 - C180

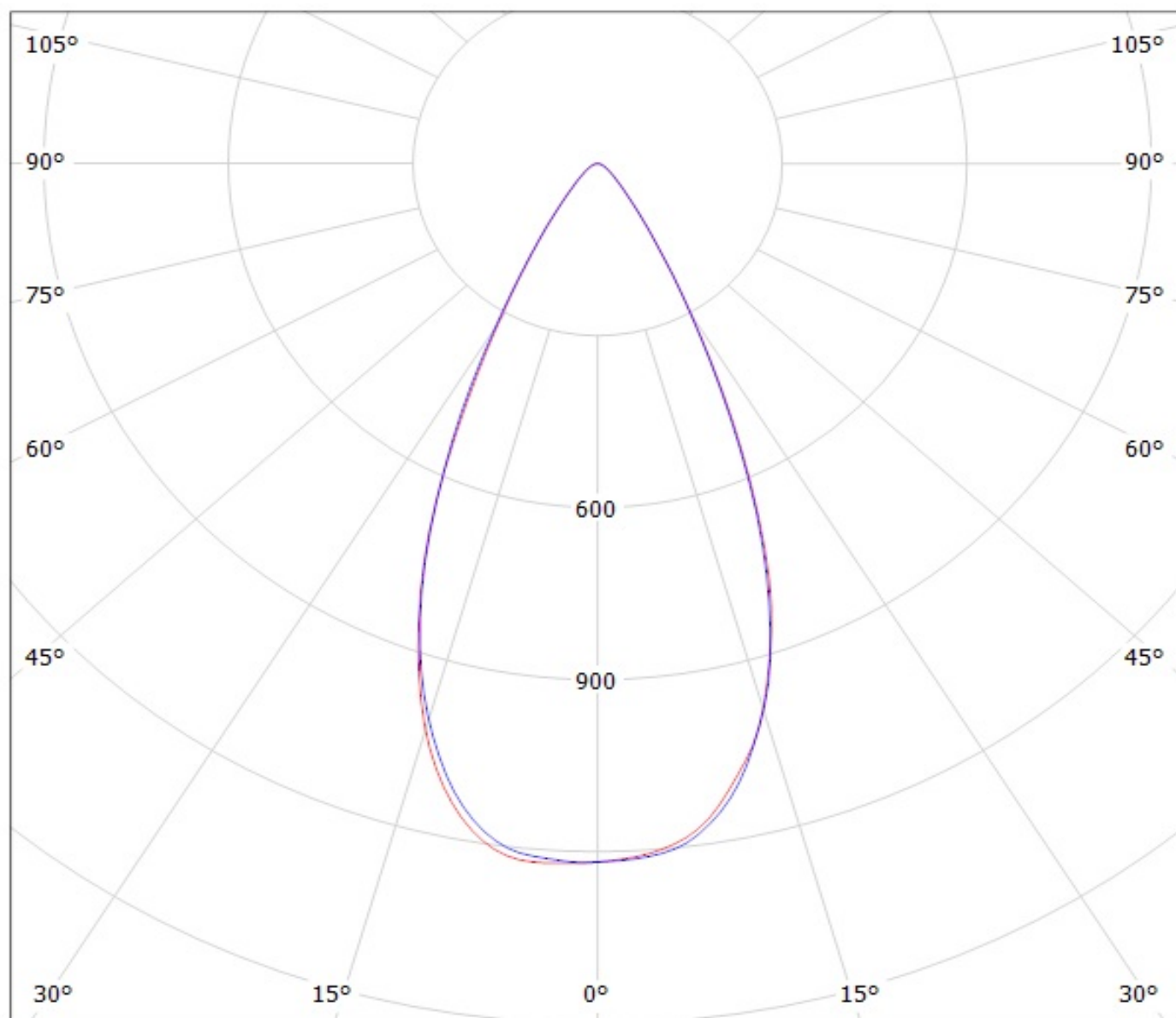
— C90 - C270

$\eta = 87\%$



Luminaire: LEDil Oy CA13634\_G2-LAURA-W-P\_(XP-L)

Lamps: 1 x Cree XP-L (124.35lm @ 250mA) P=0.7W I=250mA



cd/klm

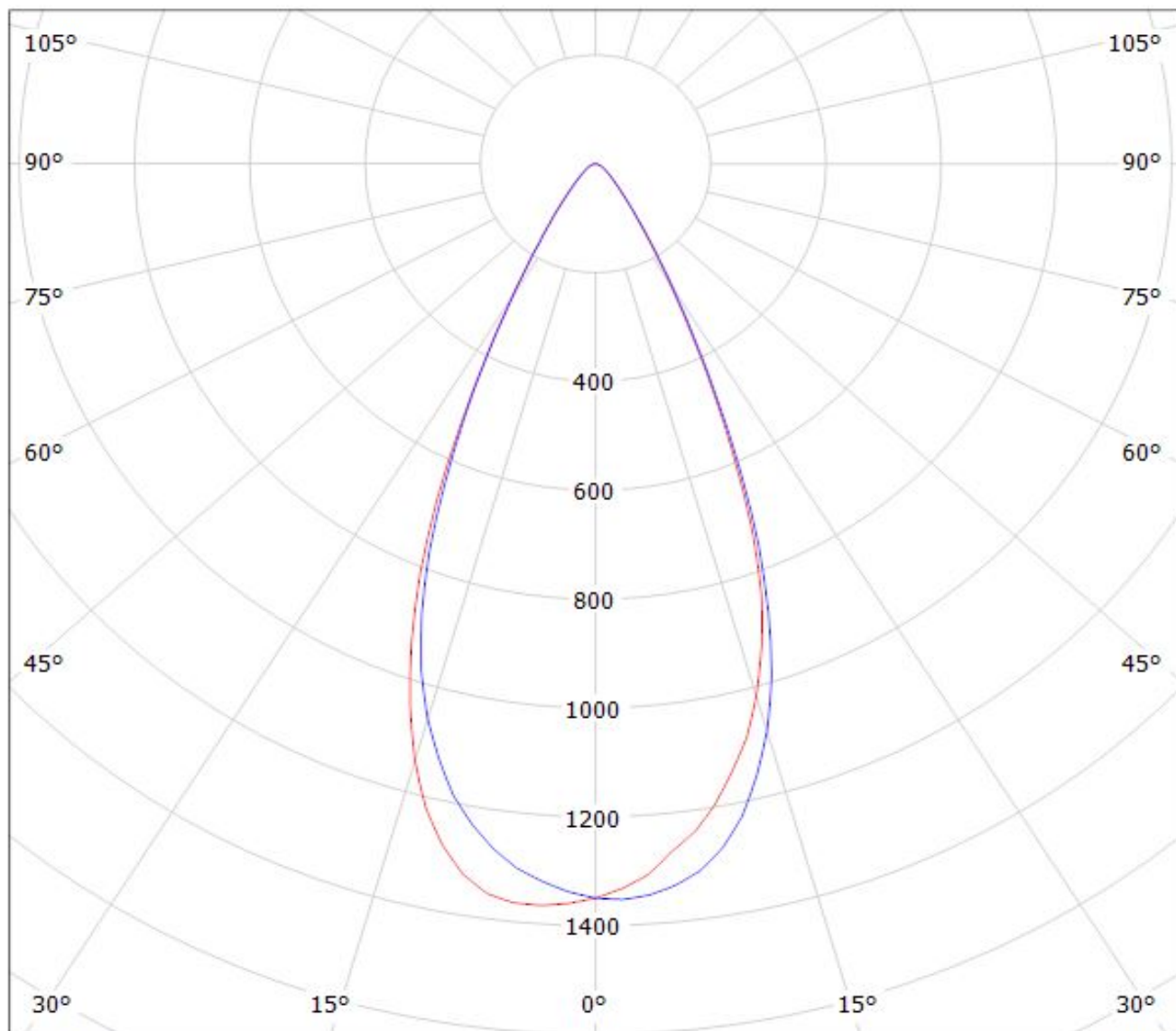
— C0 - C180

— C90 - C270

$\eta = 85\%$

Luminaire: Ledil Oy CA13634\_G2-LAURA-W-P\_(XB-H)

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



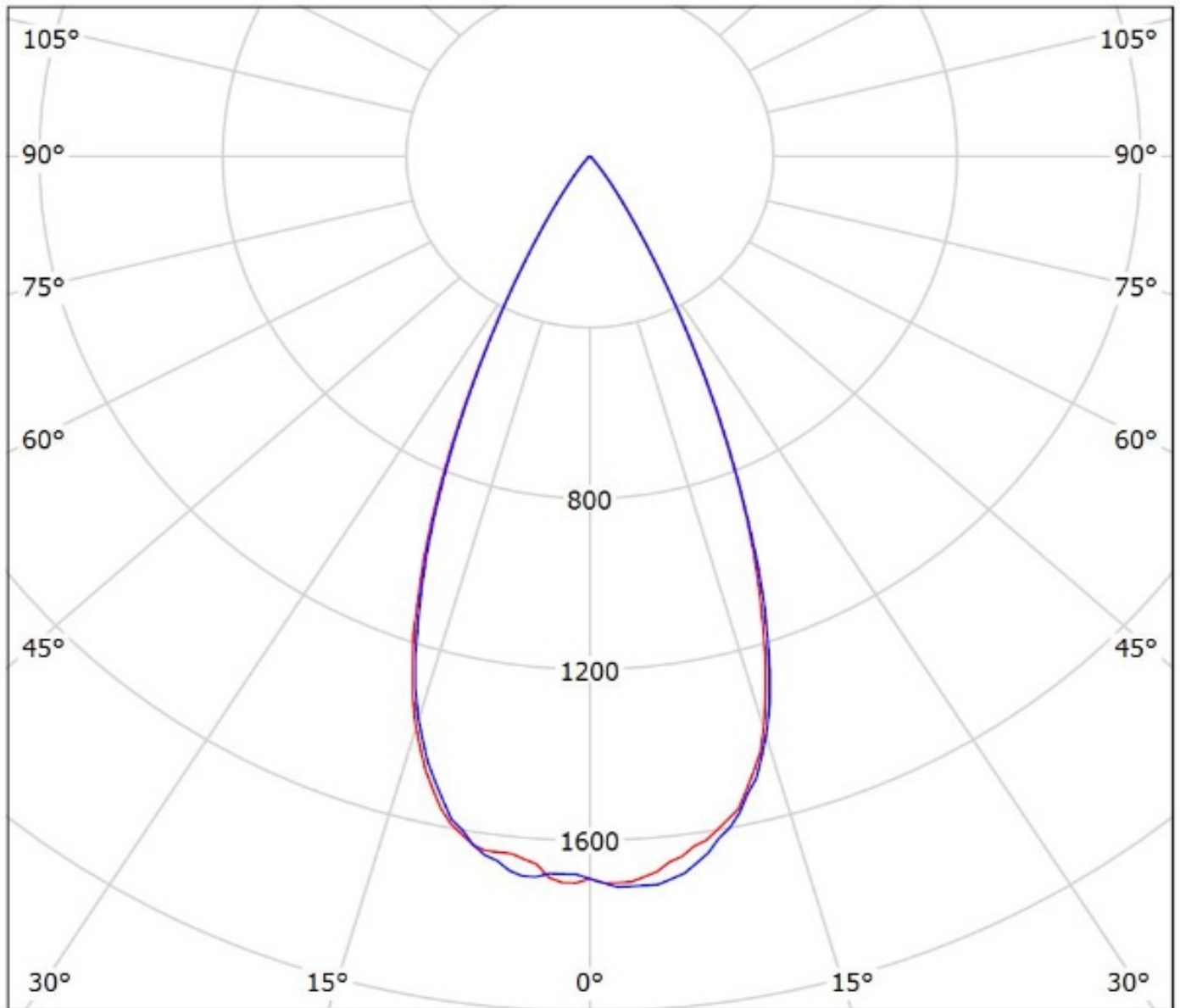
cd/klm

— C0 - C180

— C90 - C270

$\eta = 87\%$

Luminaire: Ledil Oy CA13634\_G2-LAURA-W-P\_(XHP35\_HI)\_SIMULATED  
Lamps: 1 x Cree XHP35 HI



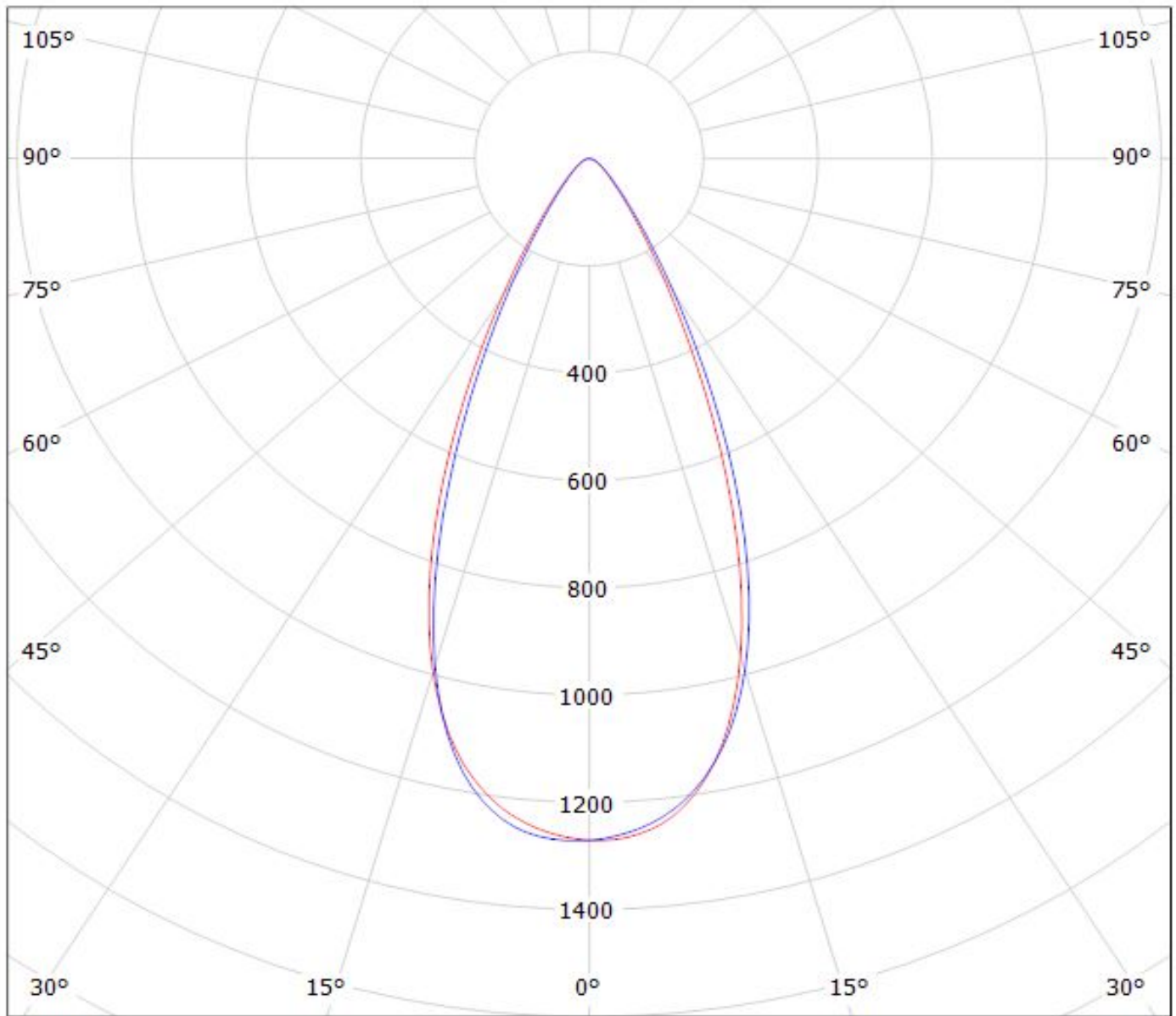
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: Ledil CA13634\_G2-LAURA-W-P\_(XP-L2)

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



cd/klm

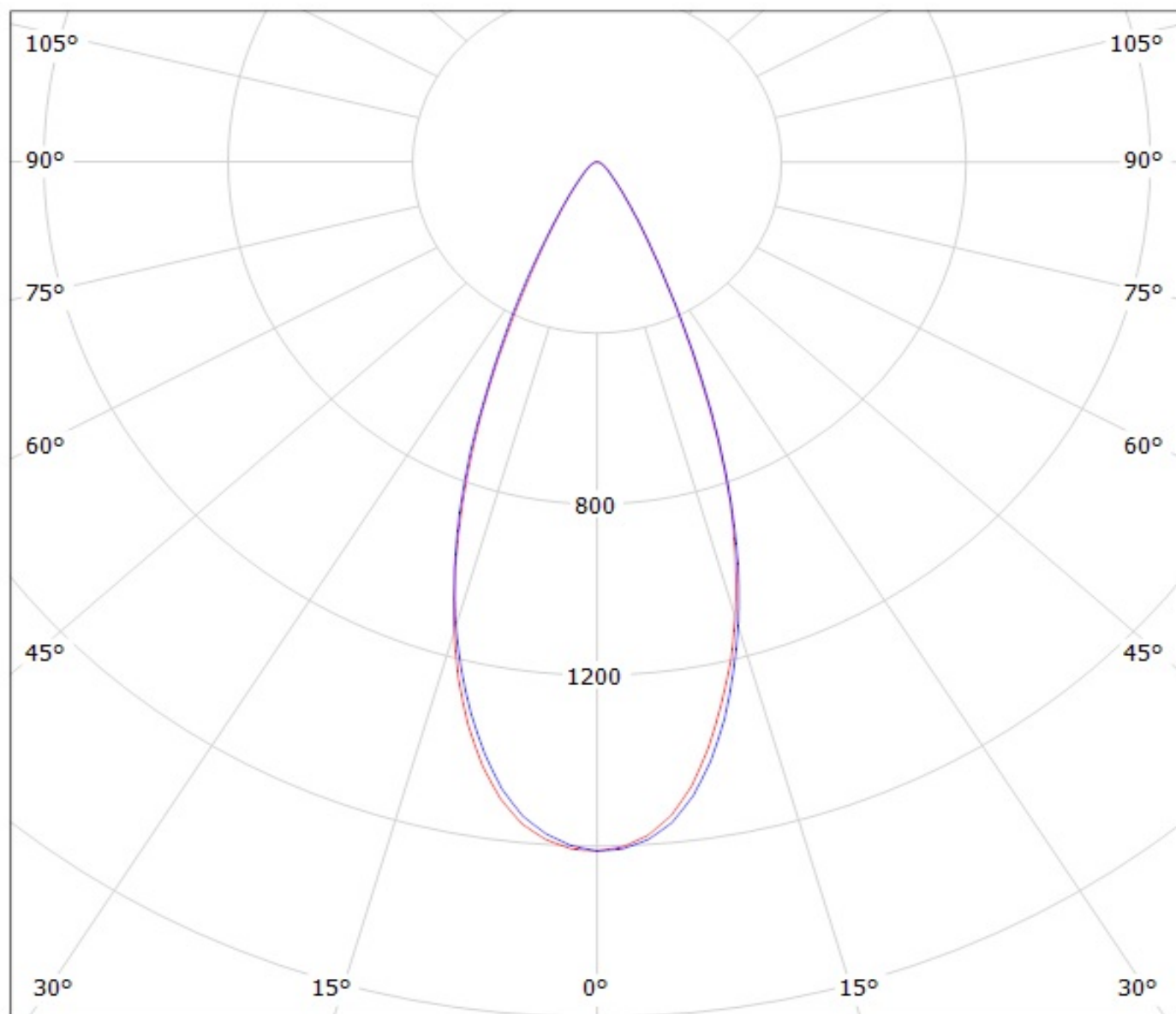
— C0 - C180

— C90 - C270

$\eta = 83\%$

Luminaire: Ledil Oy CA13634\_G2-LAURA-W-P\_(Luxeon\_TX)

Lamps: 1 x Philips Lumileds Luxeon TX (88.70lm @ 250mA) P=0.7W I=250mA



cd/klm

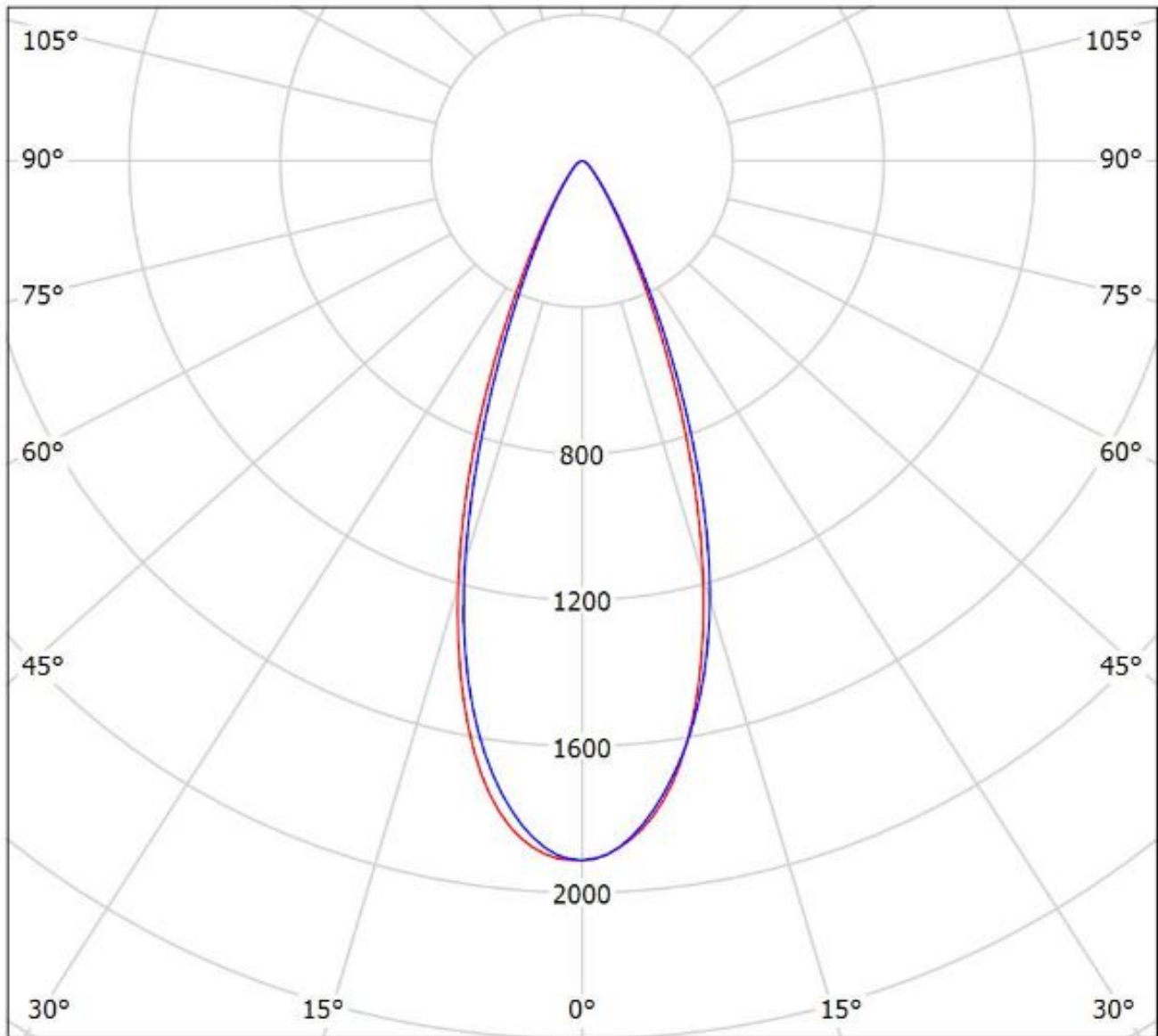
— C0 - C180

— C90 - C270

$\eta = 86\%$

Luminaire: Ledil CA13634\_G2-LAURA-W-P\_(LUXEON\_3030\_2D)

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

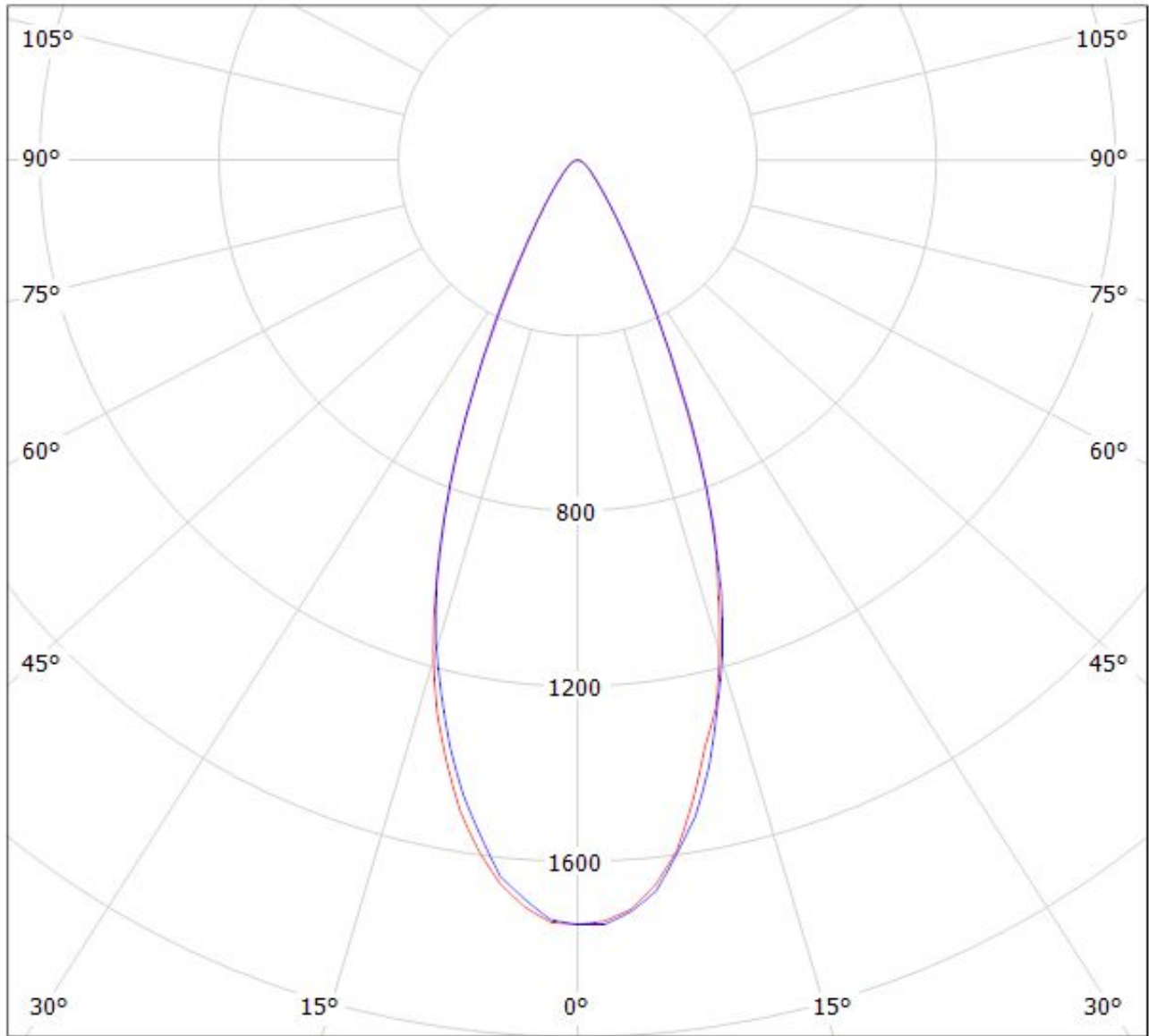


cd/klm

— C0 - C180 — C90 - C270

$\eta = 86\%$

Luminaire: Ledil Oy CA13634\_G2-LAURA-W-P\_(NCS19)  
Lamps: 1 x Nichia NCSxx19A 67lm @ 250mA CCT= P=0.77W I=250mA

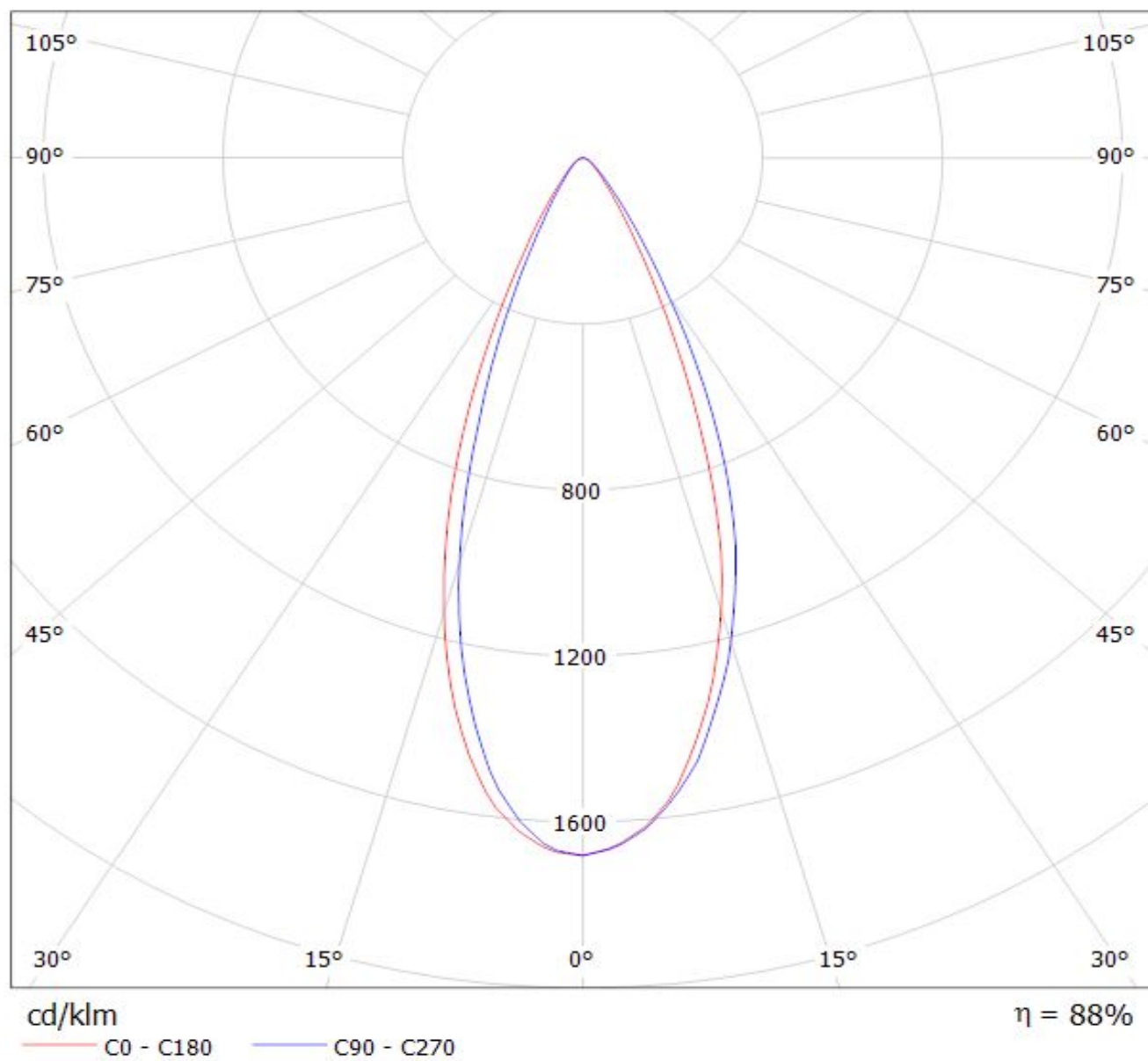


cd/klm

— C0 - C180    — C90 - C270

$\eta = 89\%$

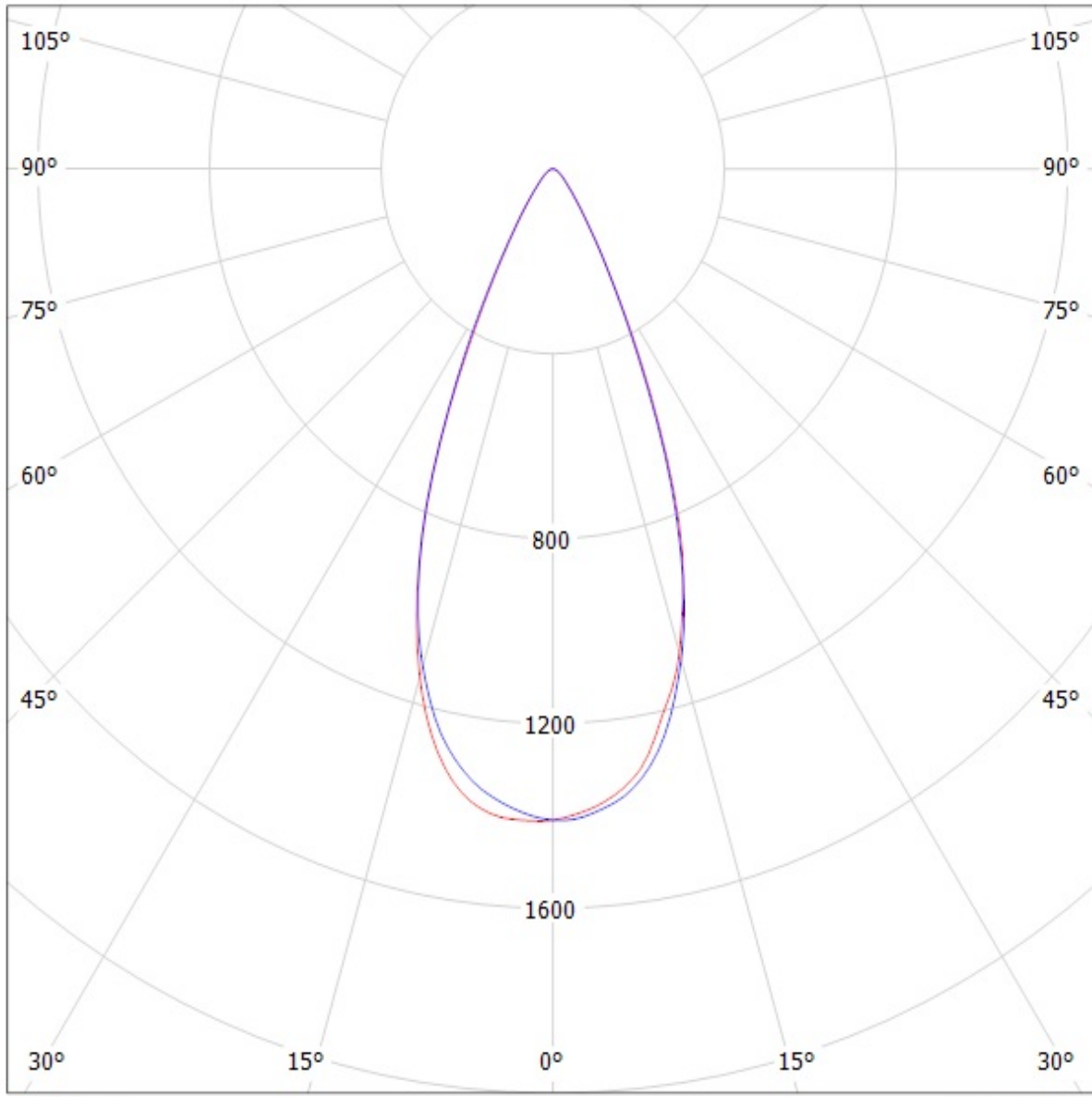
Luminaire: Ledil Oy CA13634\_G2-LAURA-W-P\_(NVS19)  
Lamps: 1 x Nichia NVSxx19A 93lm @ 250mA CCT= P=0.75W I=250mA





Luminaire: LEDil Oy CA13634\_G2-LAURA-W-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

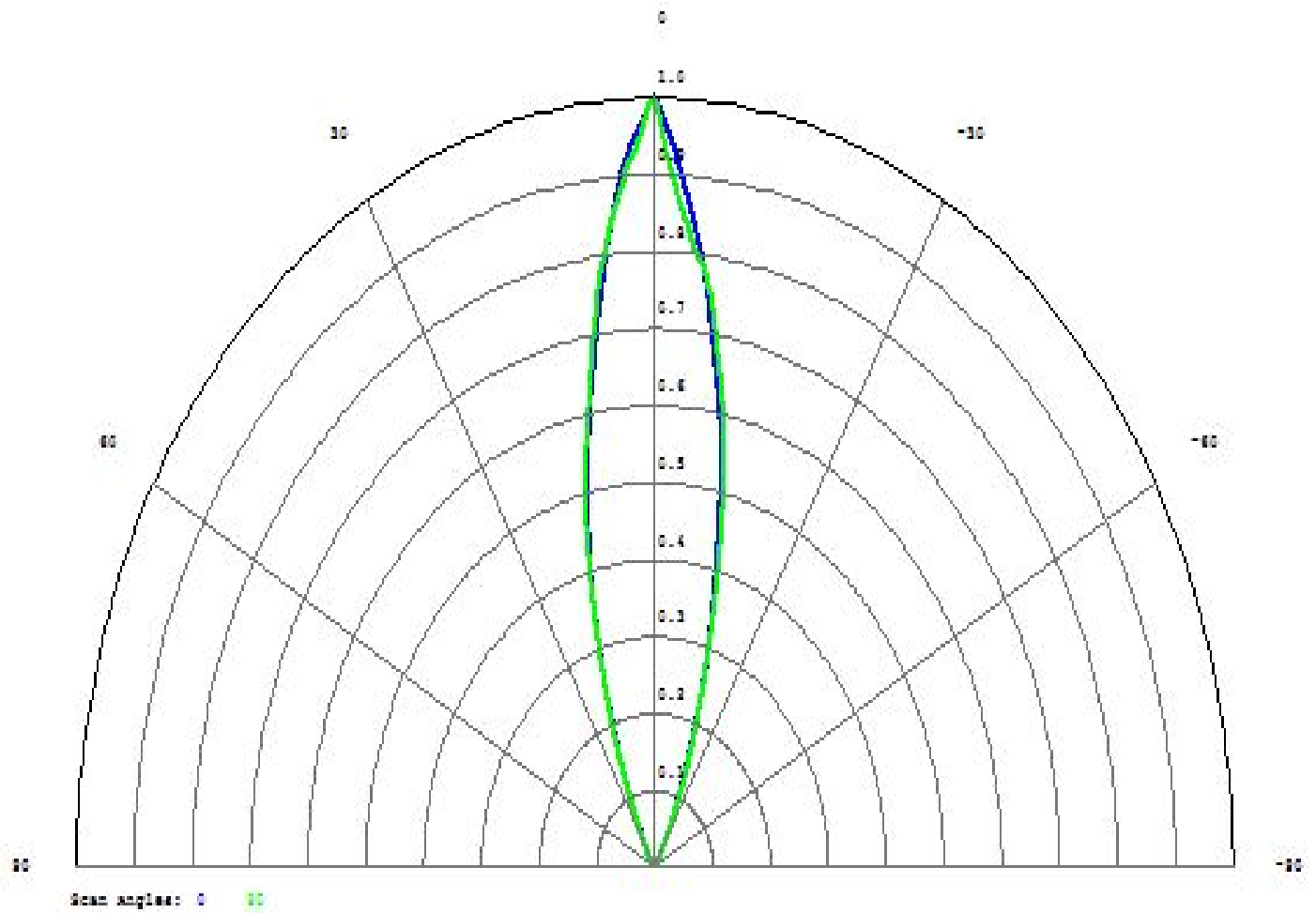


cd/klm

— C0 - C180

— C90 - C270

$\eta = 87\%$




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Detector Image: Radiant Intensity

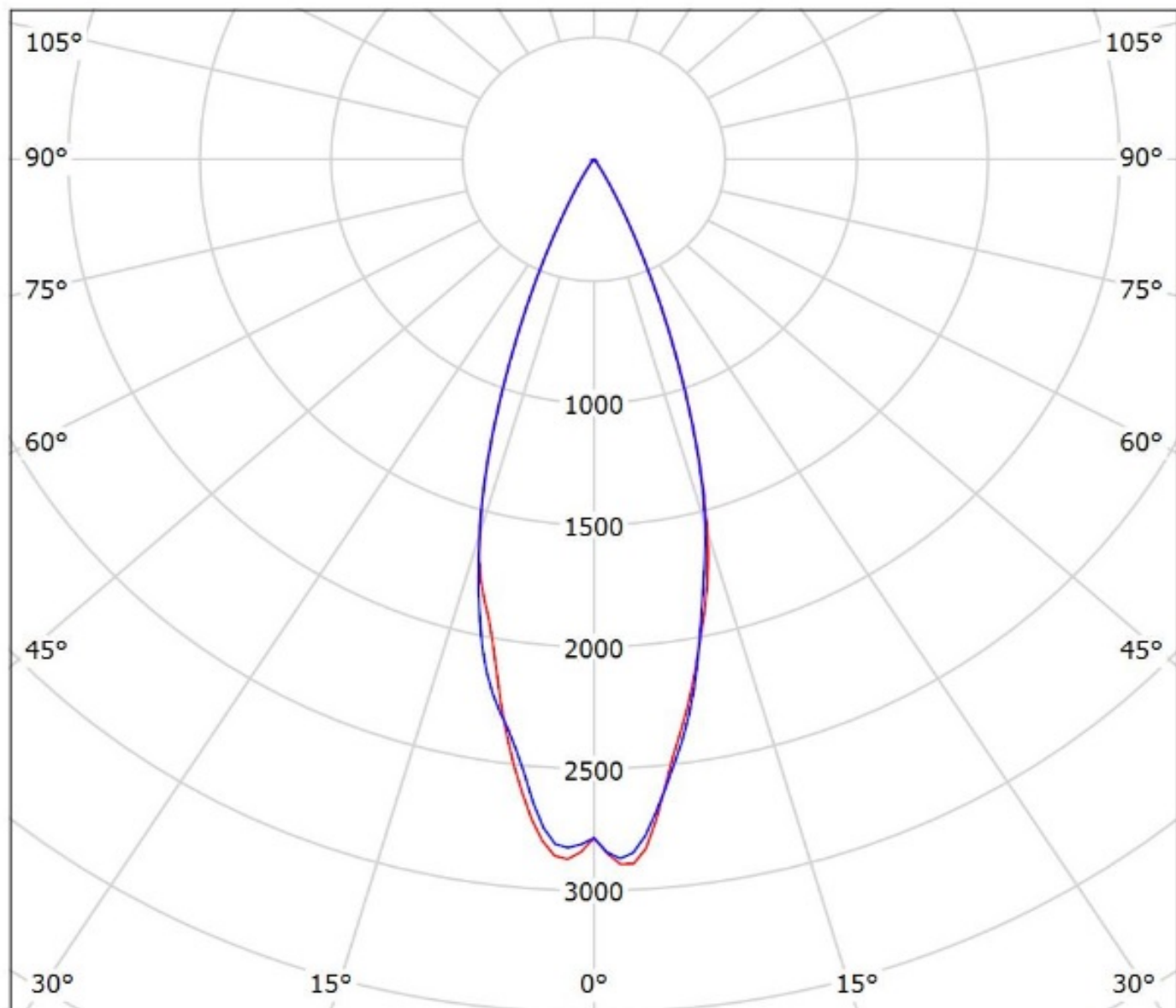
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8.4.2016  
 Detector 3, NSCG Surface 1:  
 Scan Angles: 0, 90  
 Peak Intensity : 3.747E+000 Watts/Steradian

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CA13634 G2-LAURA-W-P\_SFH\_4770S.ZMX  
 Configuration 1 of 1

Luminaire: Ledil Oy CA13634\_G2-LAURA-W-P\_(Oslon\_Black\_Flat)\_SIMULATED  
Lamps: 1 x Osram Oslon Black Flat (LUW HWQP)

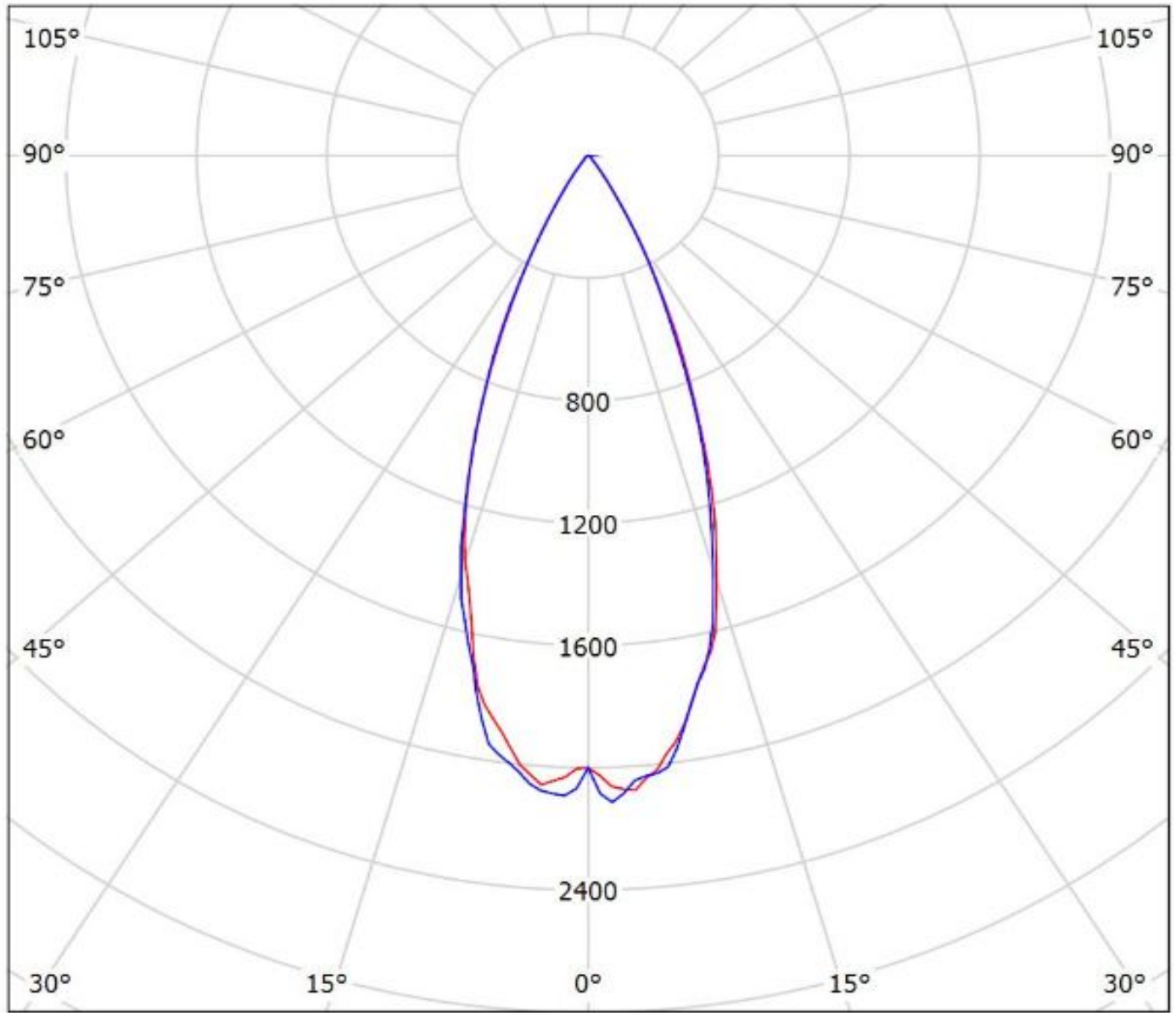


cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: Ledil Oy CA13634\_G2-LAURA-W-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.**