

## DETAILS

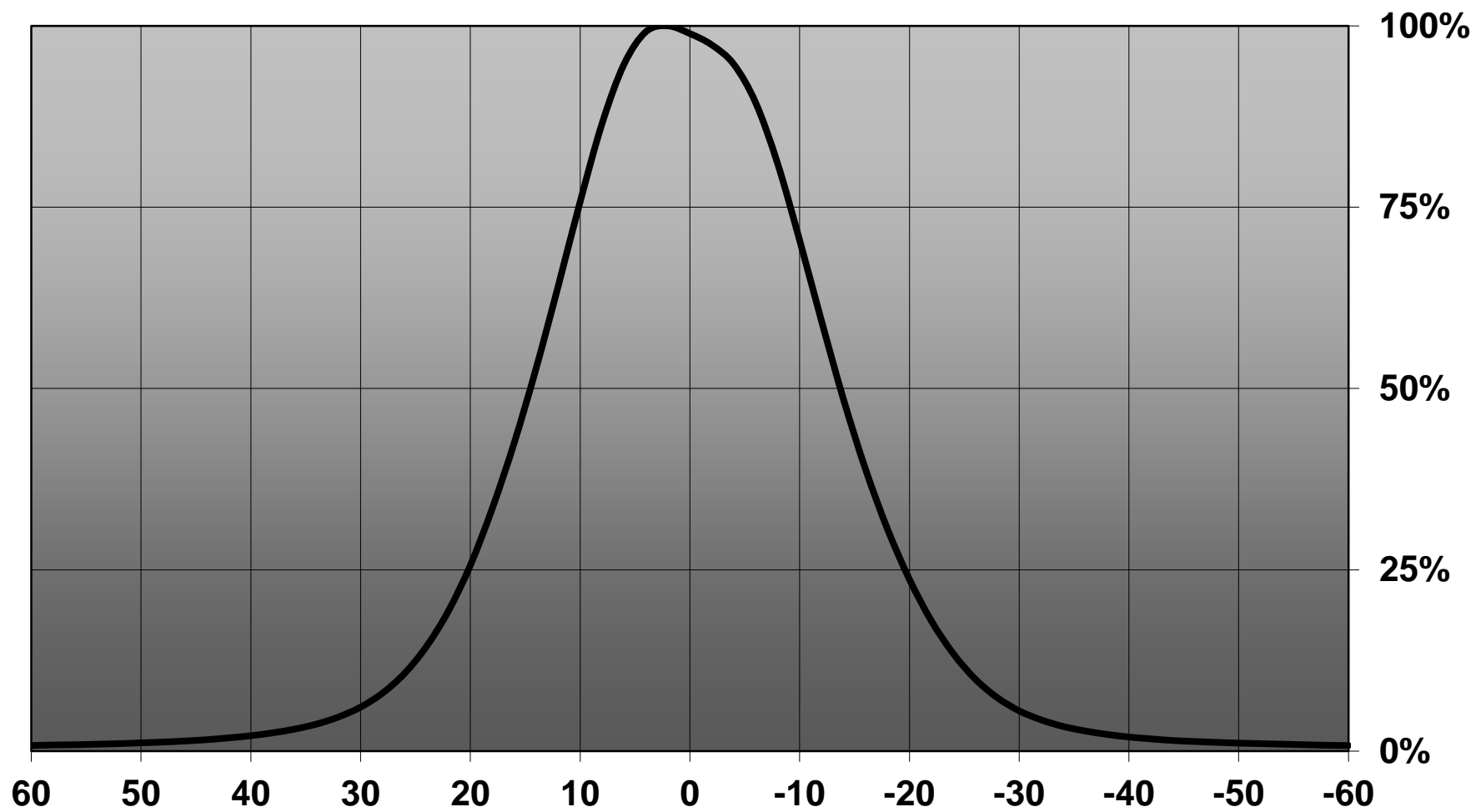
<b>Product Number</b>	CA11837_LAURA-M-PIN
<b>Family</b>	Laura
<b>Type</b>	Assembly
<b>Color</b>	white
<b>Diameter</b>	21,6 x 21,6 mm
<b>Height</b>	13,1 mm
<b>Style</b>	square
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	pin, tape
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	26/01/2016



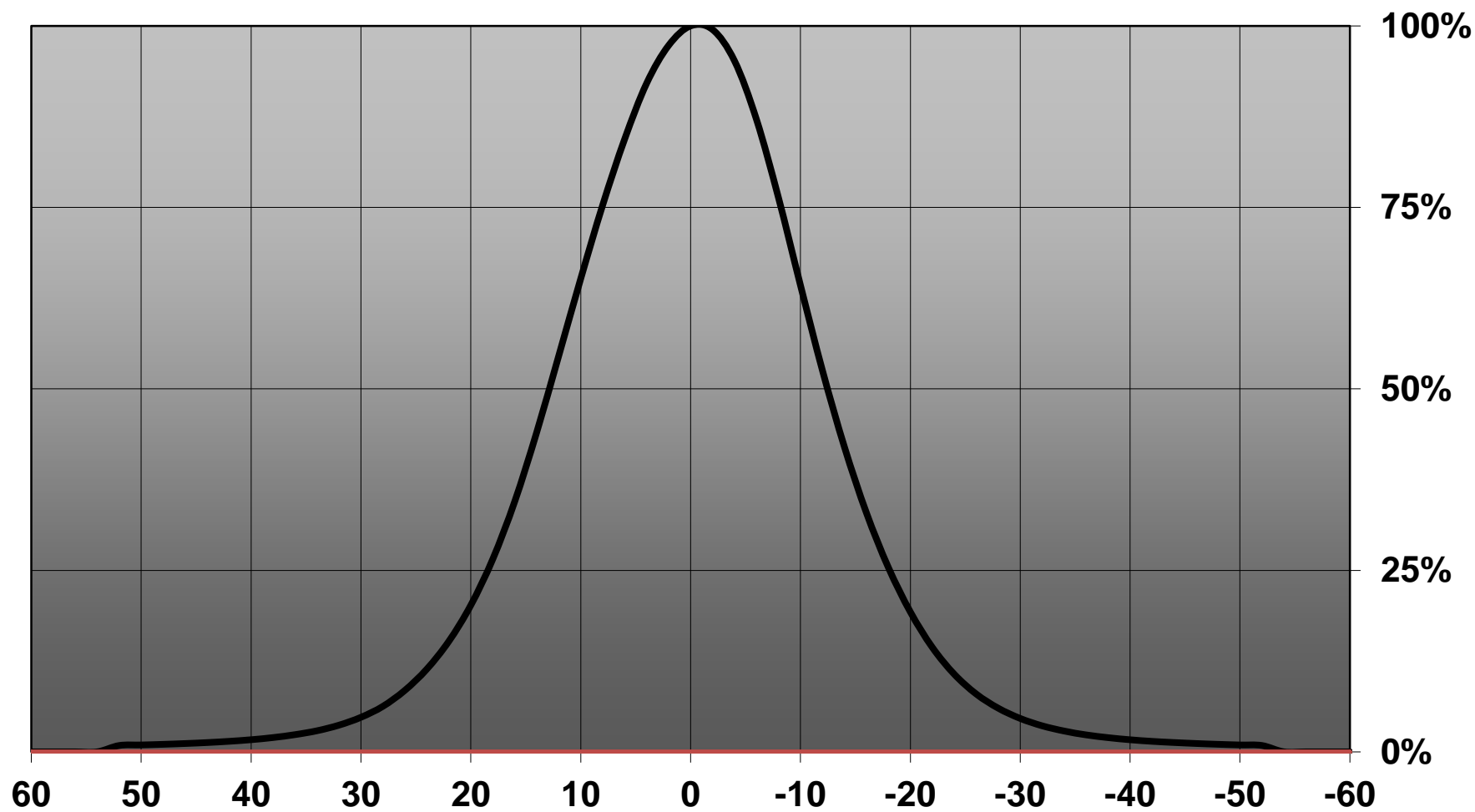
## OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
XP-E	30 deg	Medium	92 %	2.600	-
XP-G	30 deg	Medium	93 %	2.500	-
XB-D	28 deg	Medium	92 %	2.470	-
XP-E-HEW	27 deg	Medium	85 %	2.600	-
XP-E2	28 deg	Medium	88 %	2.980	-
LUXEON Rebel	27 deg	Medium	88 %	2.900	-
LUXEON T	30 deg	Medium	89 %	2.400	-
LUXEON Z ES	26 deg	Medium	92 %	3.600	-
LUXEON H50-2	sim: 32.5	Medium	sim: 85 %	sim: 2.600	-
NCSxx19B	28 deg	Medium	86 %	2.900	-
NF2x757D	25 deg	Medium	88 %	3.700	-
SFH 4715S	sim: 30	Medium	sim: 85 %	-	-
Oslon Square PC	sim: 29	Medium	83 %	3.140	-
Oslon SSL 80	30 deg	Medium	88 %	2.430	-
Oslon SSL 150	26 deg	Medium	87 %	2.720	-
Oslon Square EC	27 deg	Medium	86 %	2.420	-
SFH 4725S	22 deg	Medium	-	-	-
Z5	29 deg	Medium	-	-	-

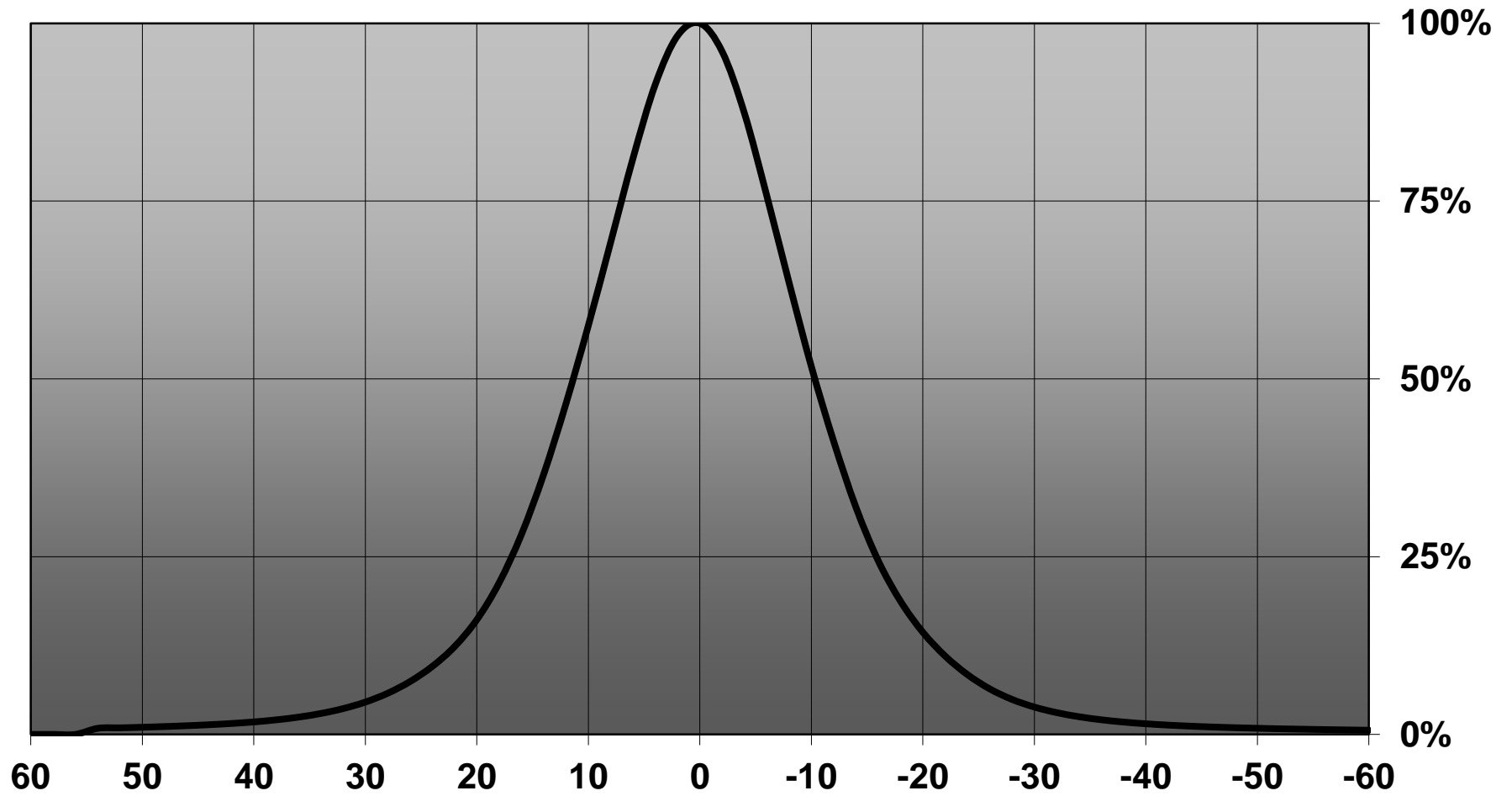
### Relative intensity of CA11837\_LAURA-M-PIN\_(XP-E2)



Relative intensity of CA11837\_LAURA-M-PIN\_(Luxeon Z ES)



### Relative intensity of CA11837\_LAURA-M-PIN\_(SFH4725S)



D

C

B

A

4

4

3

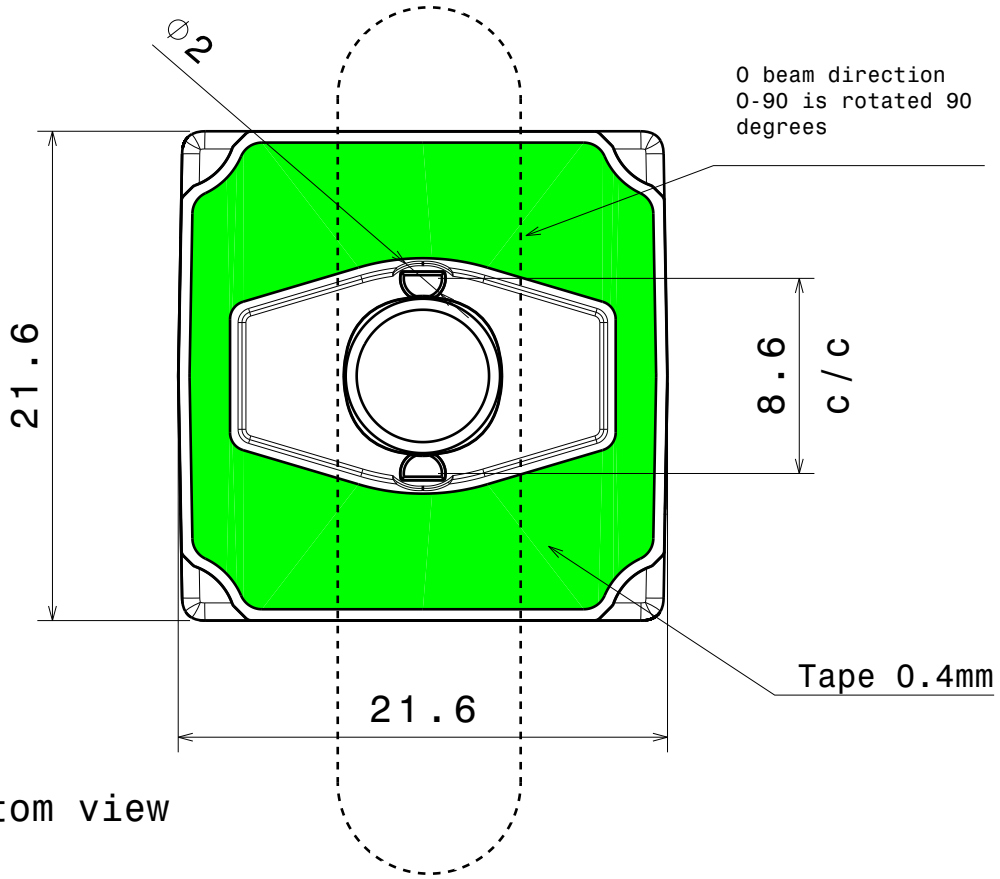
3

2

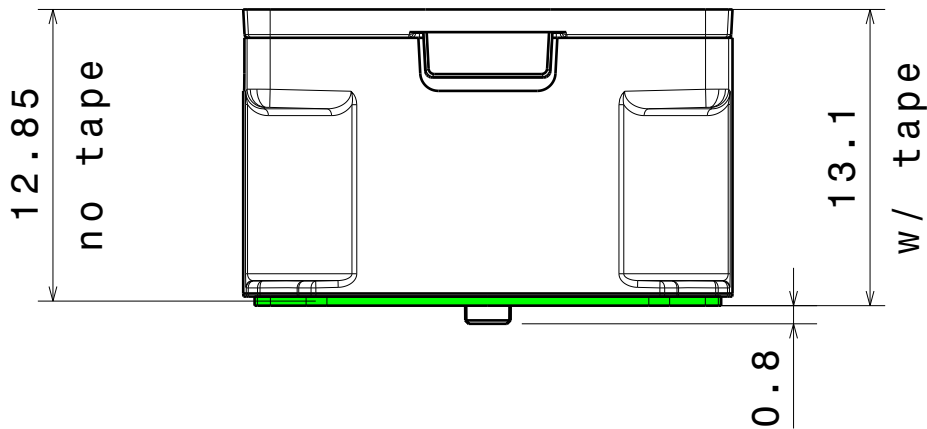
2

1

1



Bottom view



Front view

Note: Pinless versions also available

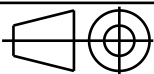
INDEX	DESCRIPTION	MATERIAL	COLOUR
1	LAURA-lens	PMMA	
2	LAURA-XP holder	PC	white/black

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**

Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

Laura-XP family datasheet

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SIZE PART NUMBER

A4

-

SCALE 1:1 WEIGHT

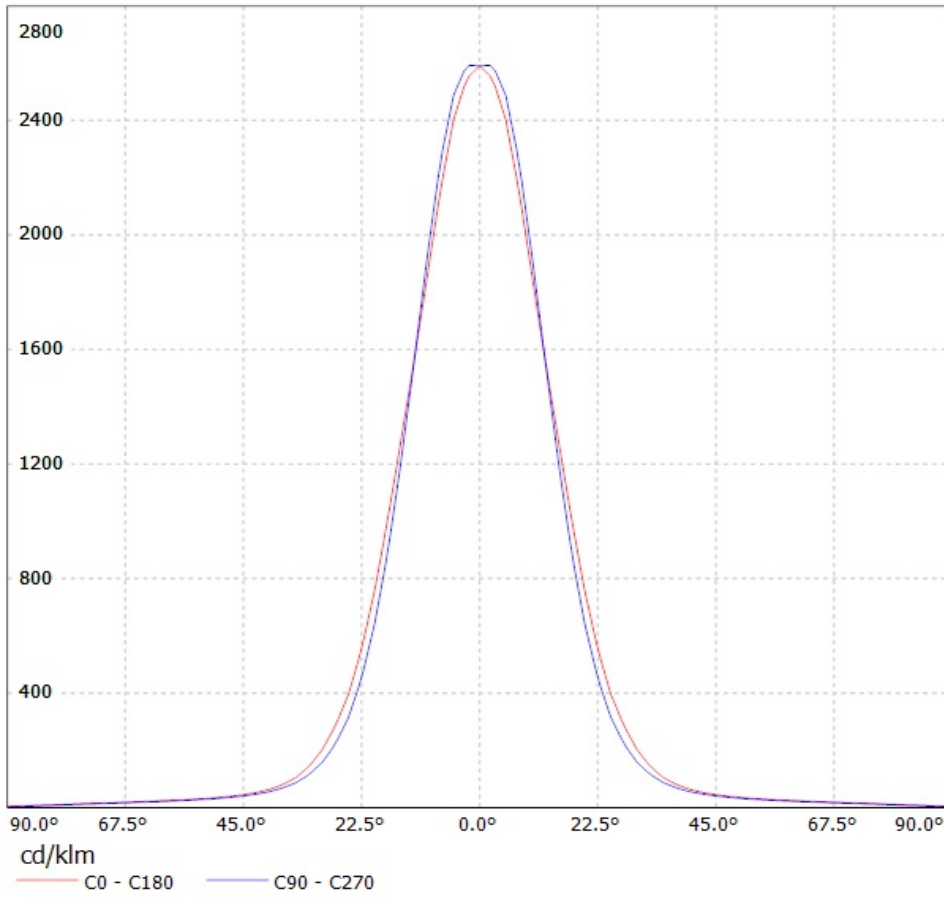
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SHEET 1/1

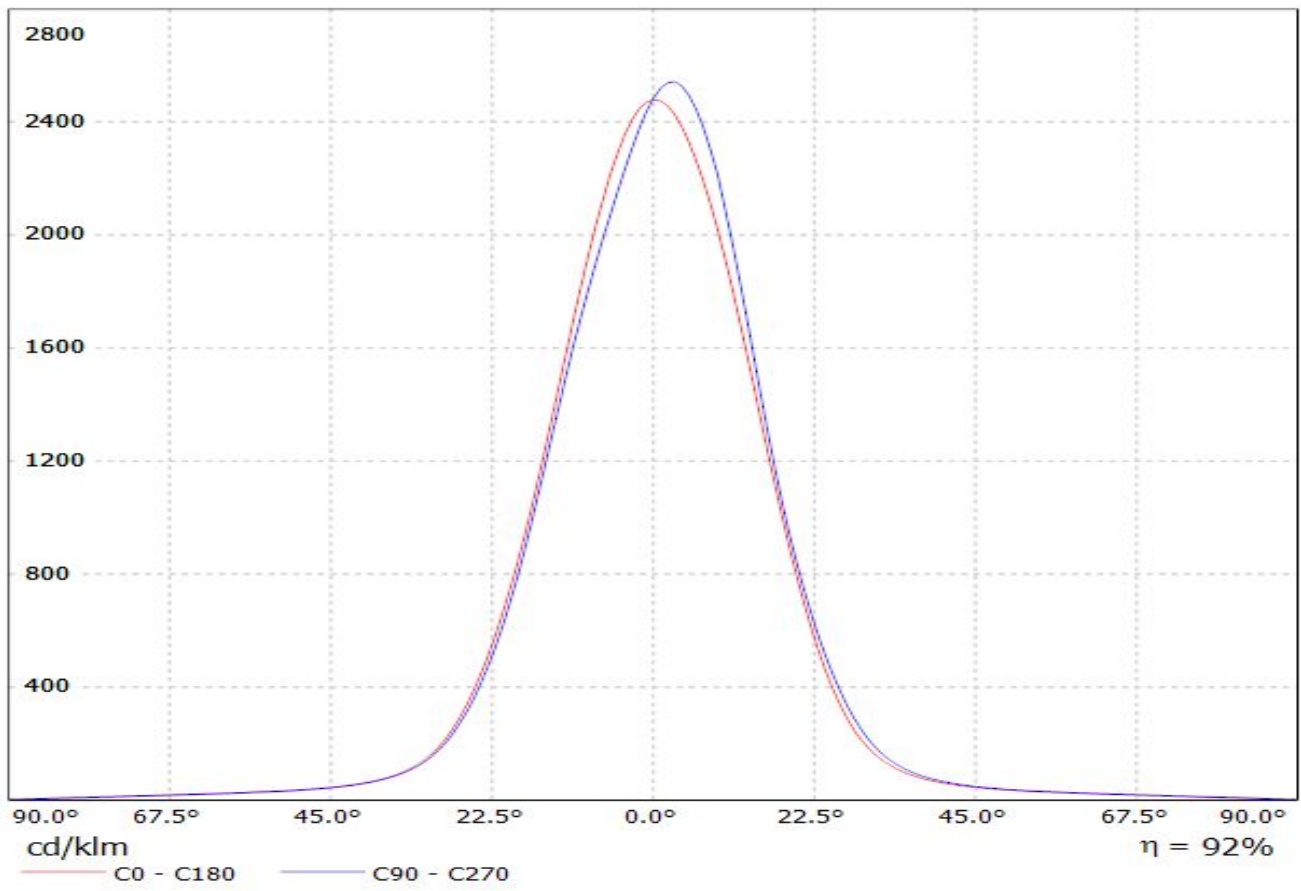
D

A

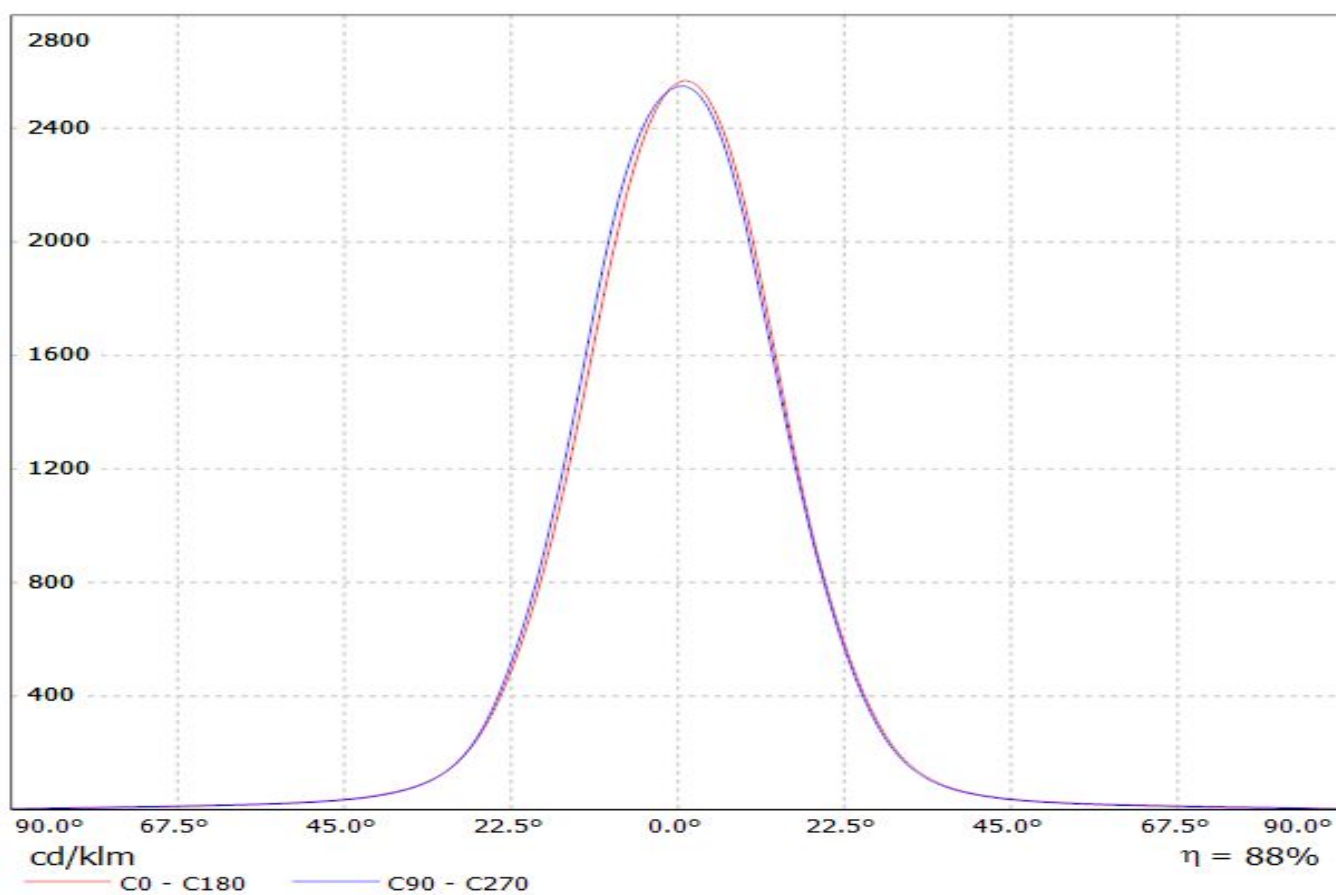
Luminaire: LEDIL OY CA11837\_LAURA-M-PIN\_(XP-E) Eff.91.8%  
Lamps: 1 x XP-E (71.21lm@250mA)



Luminaire: LEDIL OY CA11837\_LAURA-M-PIN\_(XP-G) Eff.93%  
Lamps: 1 x Cree XP-G (66.49lm@250mA)

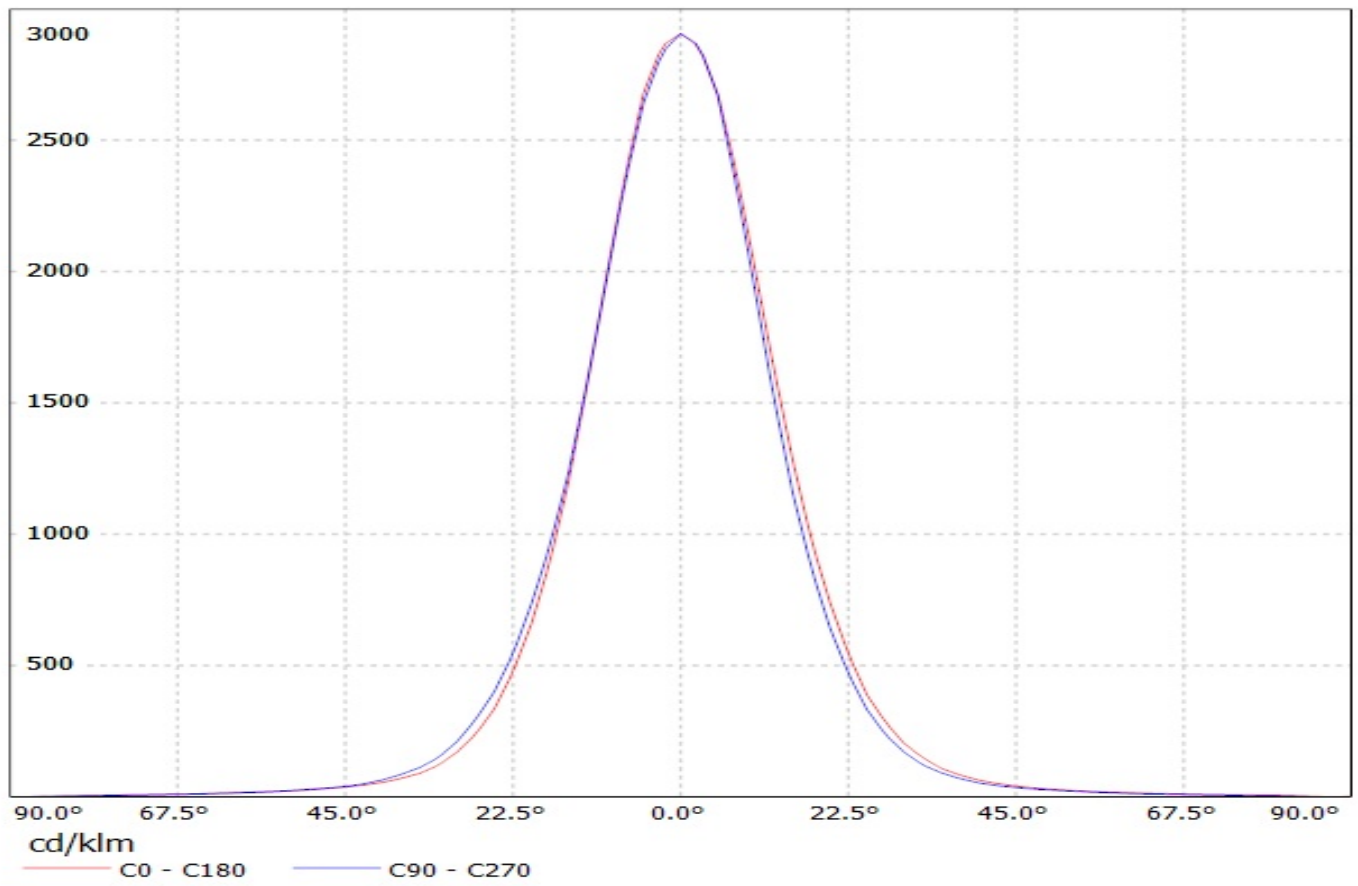


Luminaire: LEDiL Oy CA11837\_LAURA-M-PIN\_(LUXEON\_T) Eff.89%  
Lamps: 1 x LUXEON T (69lm@250mA)



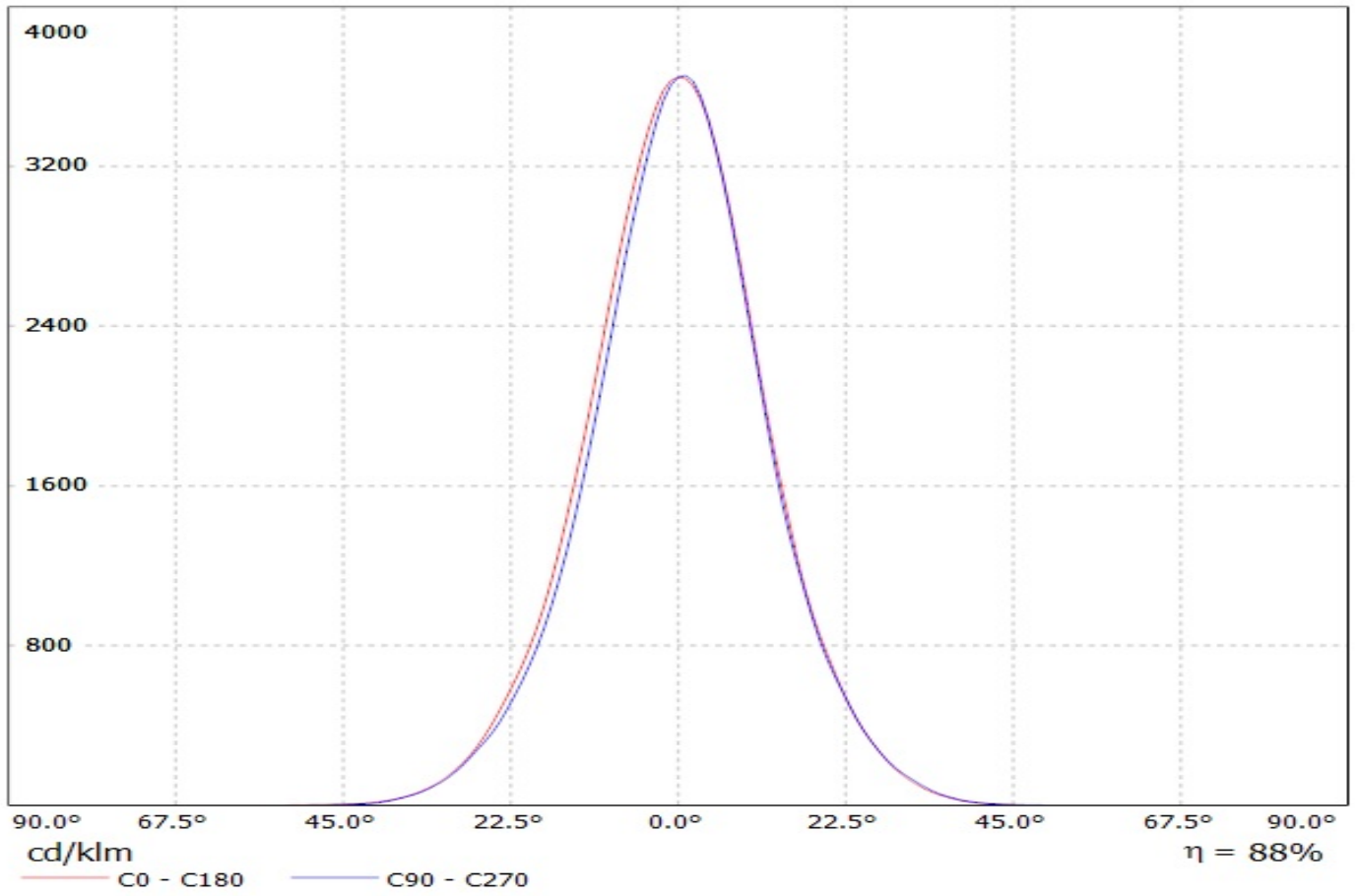


Luminaire: LEDil Oy CA11837\_LAURA-M-PIN\_(NCSxx19B) Efficiency=86%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88.5lm @ 250mA CCT=3400K P=0.8W I=250mA

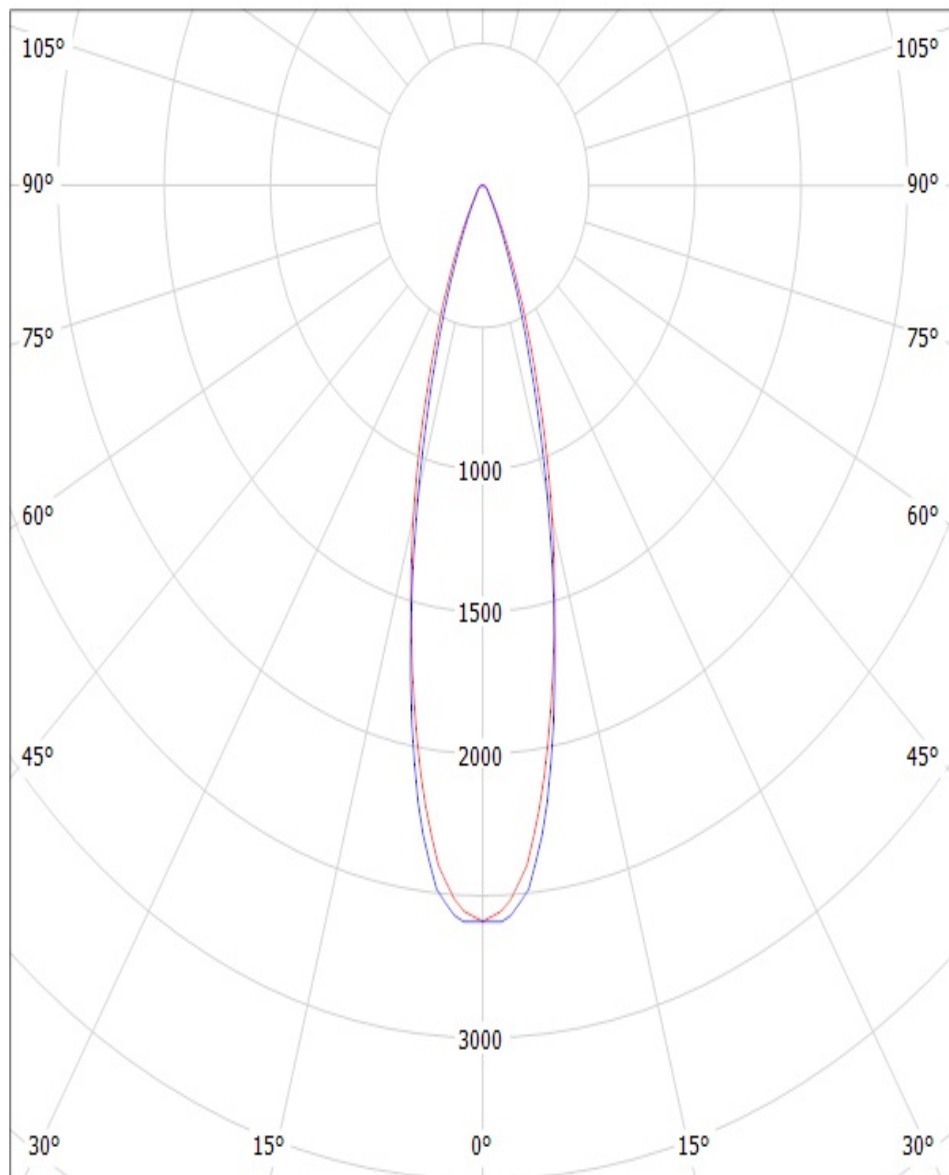


Luminaire: LEDil Oy CA11837\_LAURA-M-PIN\_(NF2x757D)

Lamps: 1 x Nichia NF2x757D (NF2W757DRE) 51.43lm @ 65mA CCT=4987K P=0.4W I=65mA



Luminaire: LEDIL OY CA11837\_LAURA-M-PIN\_(XP-E) Eff.91.8%  
Lamps: 1 x XP-E (71.21lm@250mA)

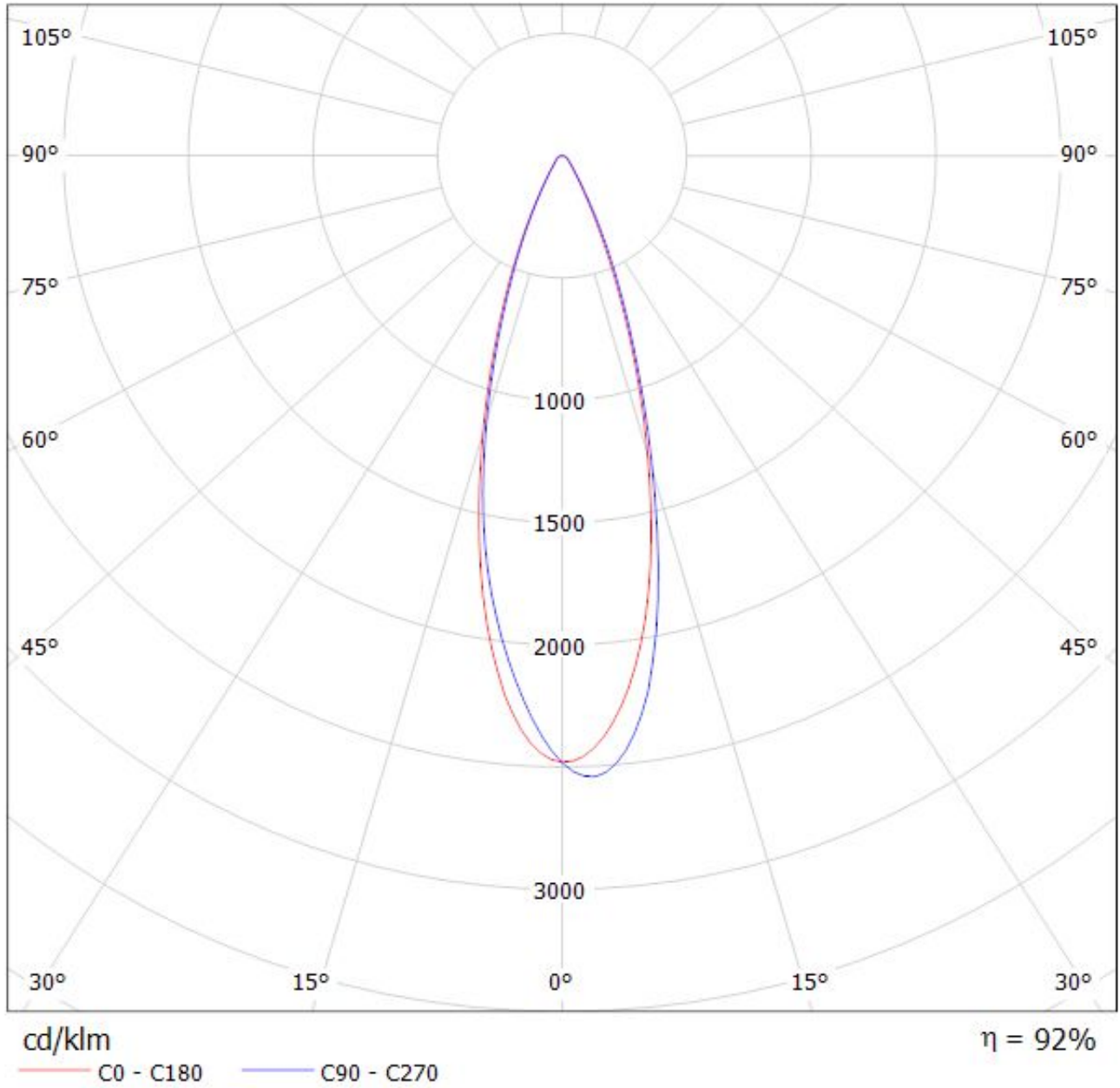


cd/klm

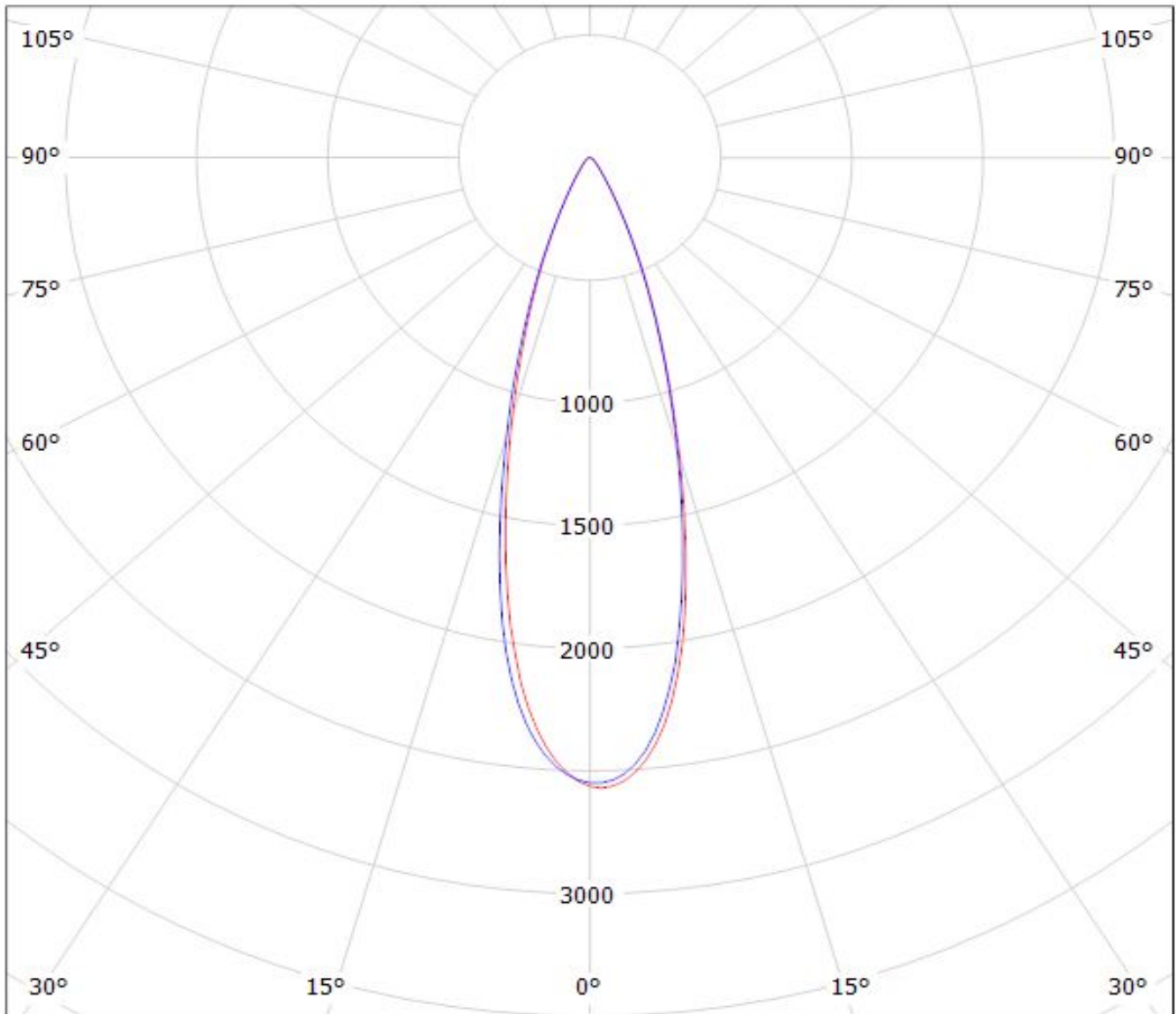
— C0 - C180

— C90 - C270

Luminaire: LEDIL OY CA11837\_LAURA-M-PIN\_(XP-G) Eff.93%  
Lamps: 1 x Cree XP-G (66.49lm@250mA)



Luminaire: LEDiL Oy CA11837\_LAURA-M-PIN\_(LUXEON\_T) Eff.89%  
Lamps: 1 x LUXEON T (69lm@250mA)

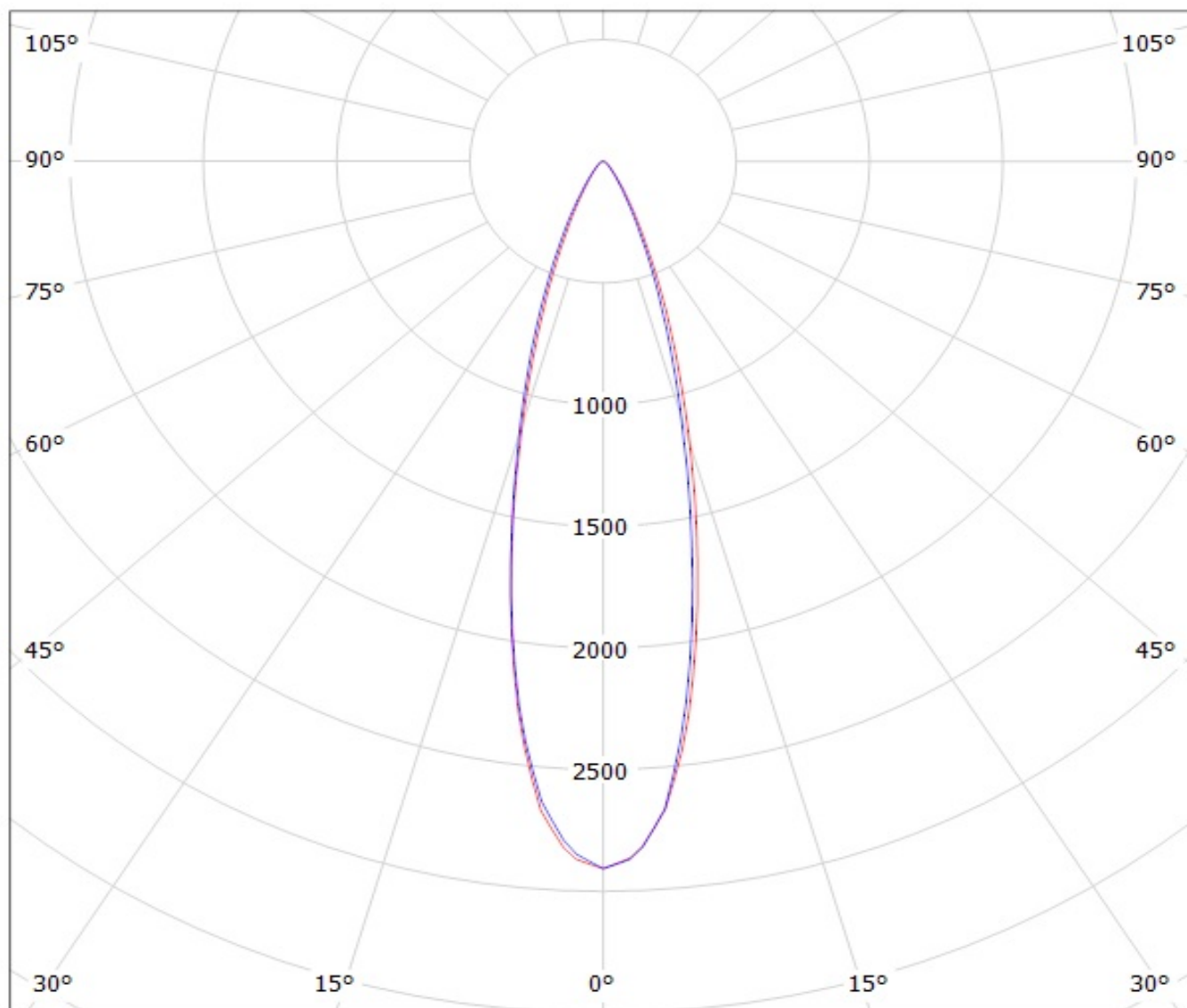


cd/klm

$\eta = 88\%$

— C0 - C180    — C90 - C270

Luminaire: LEDil Oy CA11837\_LAURA-M-PIN\_(NCSxx19B) Efficiency=86%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88.5lm @ 250mA CCT=3400K P=0.8W I=250mA



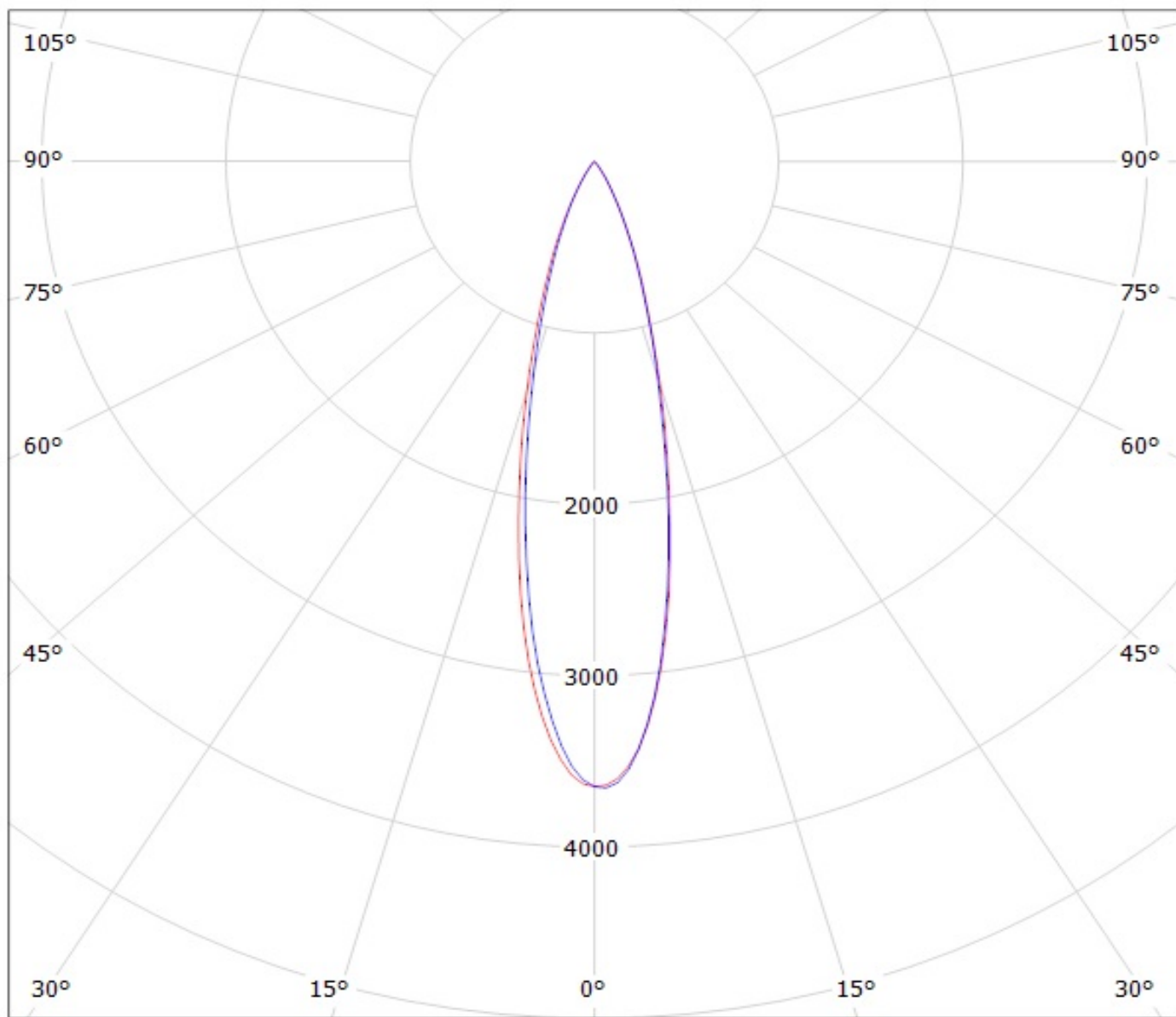
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy CA11837\_LAURA-M-PIN\_(NF2x757D)

Lamps: 1 x Nichia NF2x757D (NF2W757DRE) 51.43lm @ 65mA CCT=4987K P=0.4W I=65mA



cd/klm

$\eta = 88\%$

— C0 - C180

— C90 - C270

**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.**