

## DETAILS

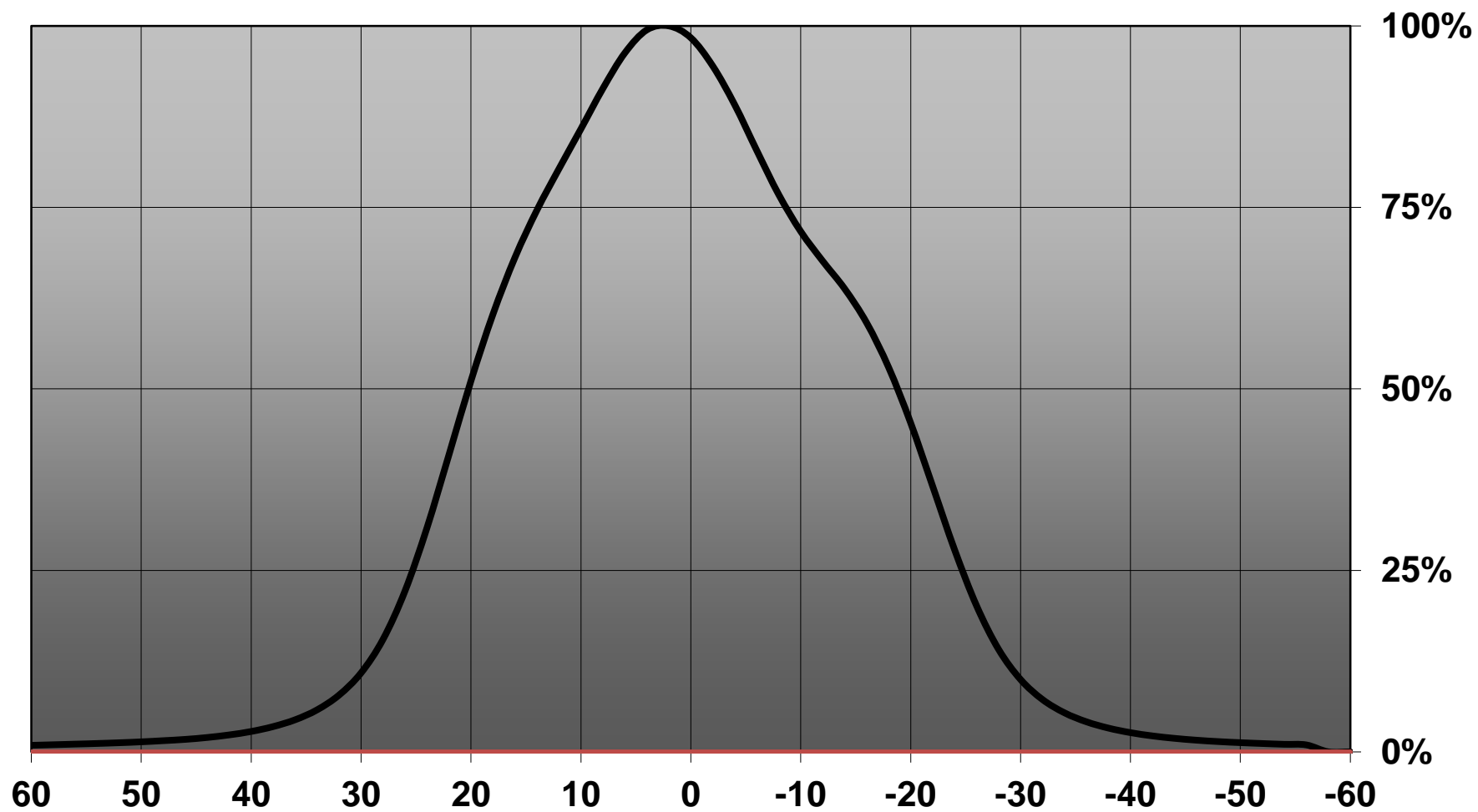
<b>Product Number</b>	CA12344_LAURA-W-PIN
<b>Family</b>	Laura
<b>Type</b>	Assembly
<b>Color</b>	white
<b>Diameter</b>	21,6 x 21,6 mm
<b>Height</b>	13,1 mm
<b>Style</b>	square
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	tape, pin
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	21/11/2012



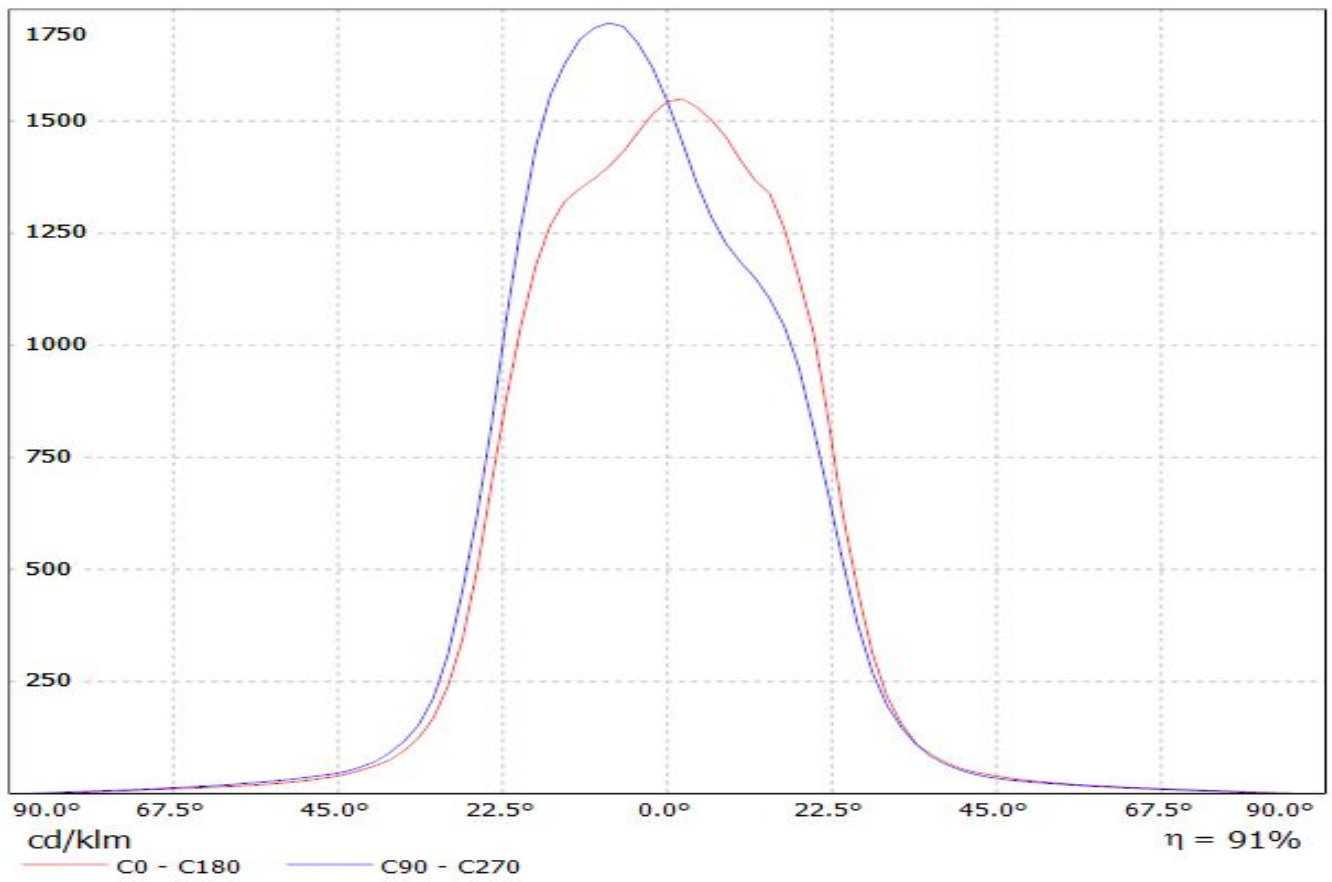
## OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
XP-E	47 deg	Wide	92 %	1.700	-
XP-G	46 deg	Wide	91 %	1.550	-
XB-D	42 deg	Wide	86 %	1.520	-
LUXEON Rebel	44 deg	Wide	88 %	1.800	-
LUXEON T	46 deg	Wide	88 %	1.400	-
LUXEON Z ES	38 deg	Wide	92 %	2.200	-
LUXEON H50-2	sim: 51	Wide	sim: 92 %	sim: 1.400	-
NCSxx19B	41 deg	Wide	90 %	1.900	-
NF2x757D	36 deg	Wide	87 %	2.100	-
Oslon Square EC	44 deg	Wide	89 %	-	-
Oslon SSL 150	34 deg	Wide	85 %	-	-
Oslon SSL 80	43 deg	Wide	88 %	-	-
Z5	sim: 46	Wide	-	-	-

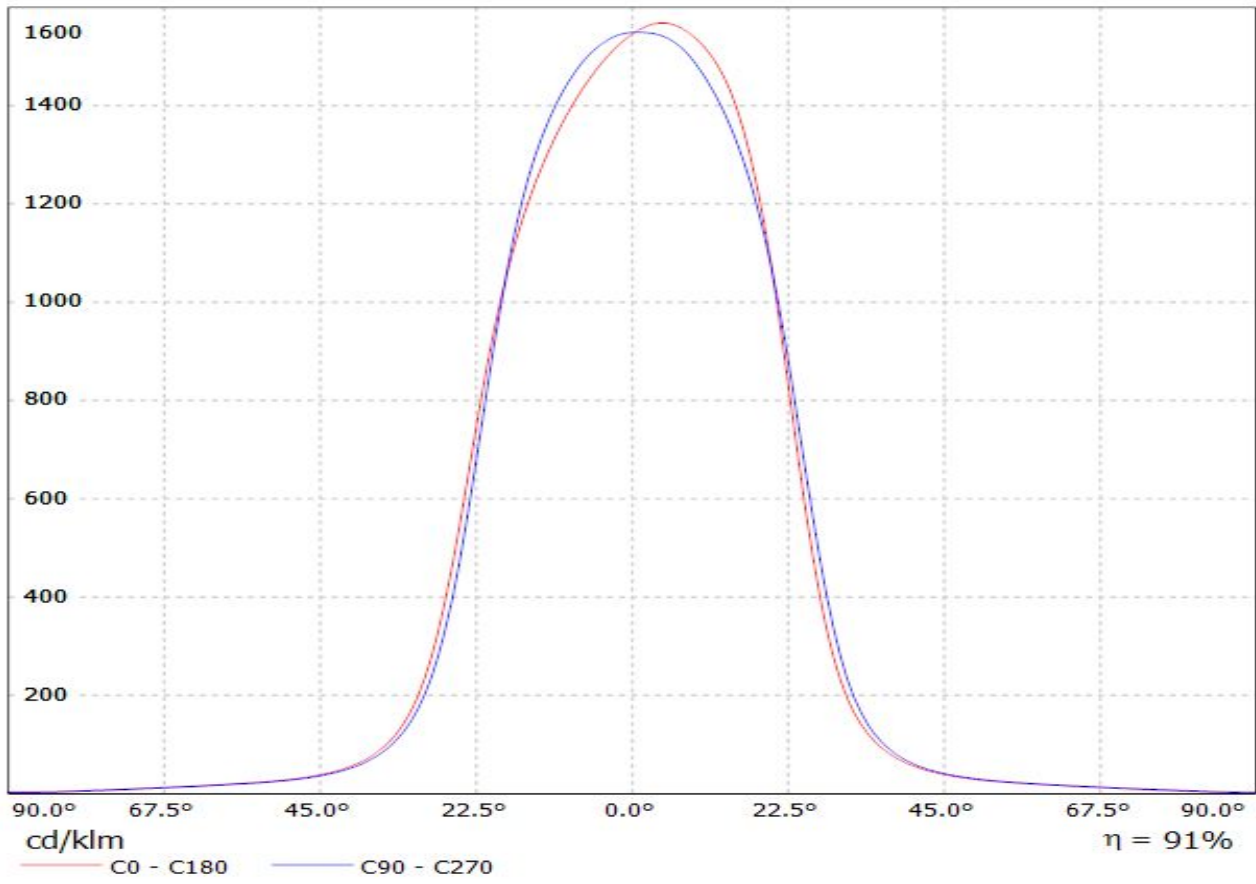
Relative intensity of CA12344\_LAURA-W-PIN\_(Luxeon Z ES)



Luminaire: LEDiL CA12344\_LAURA-W-PIN\_(XP-E) Eff.92%  
Lamps: 1 x Cree XP-E (69lm@250mA)

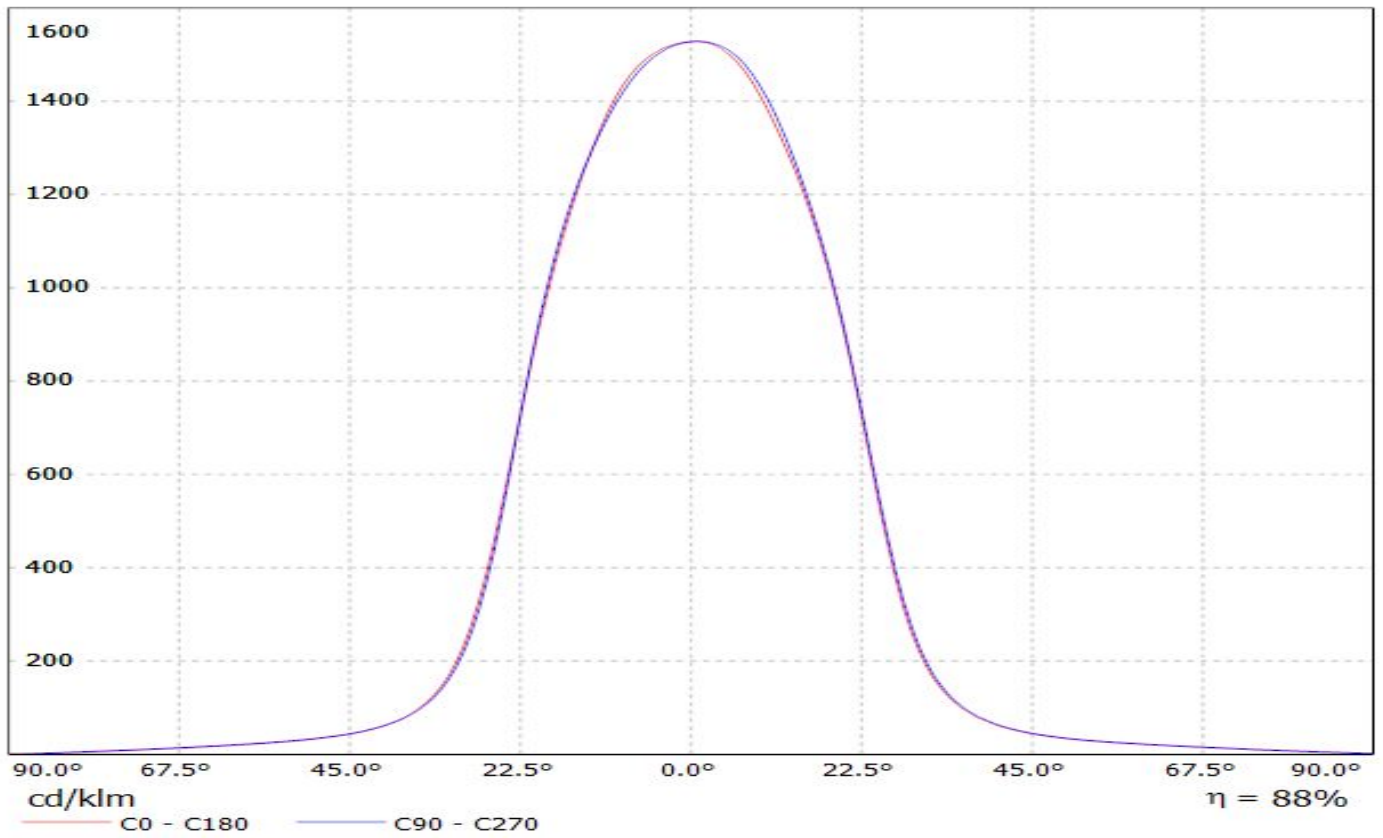


Luminaire: LEDIL OY CA12344\_LAURA-W-PIN\_(XP-G) Eff.90.9%  
Lamps: 1 x Cree XP-G (66.49lm@250mA)

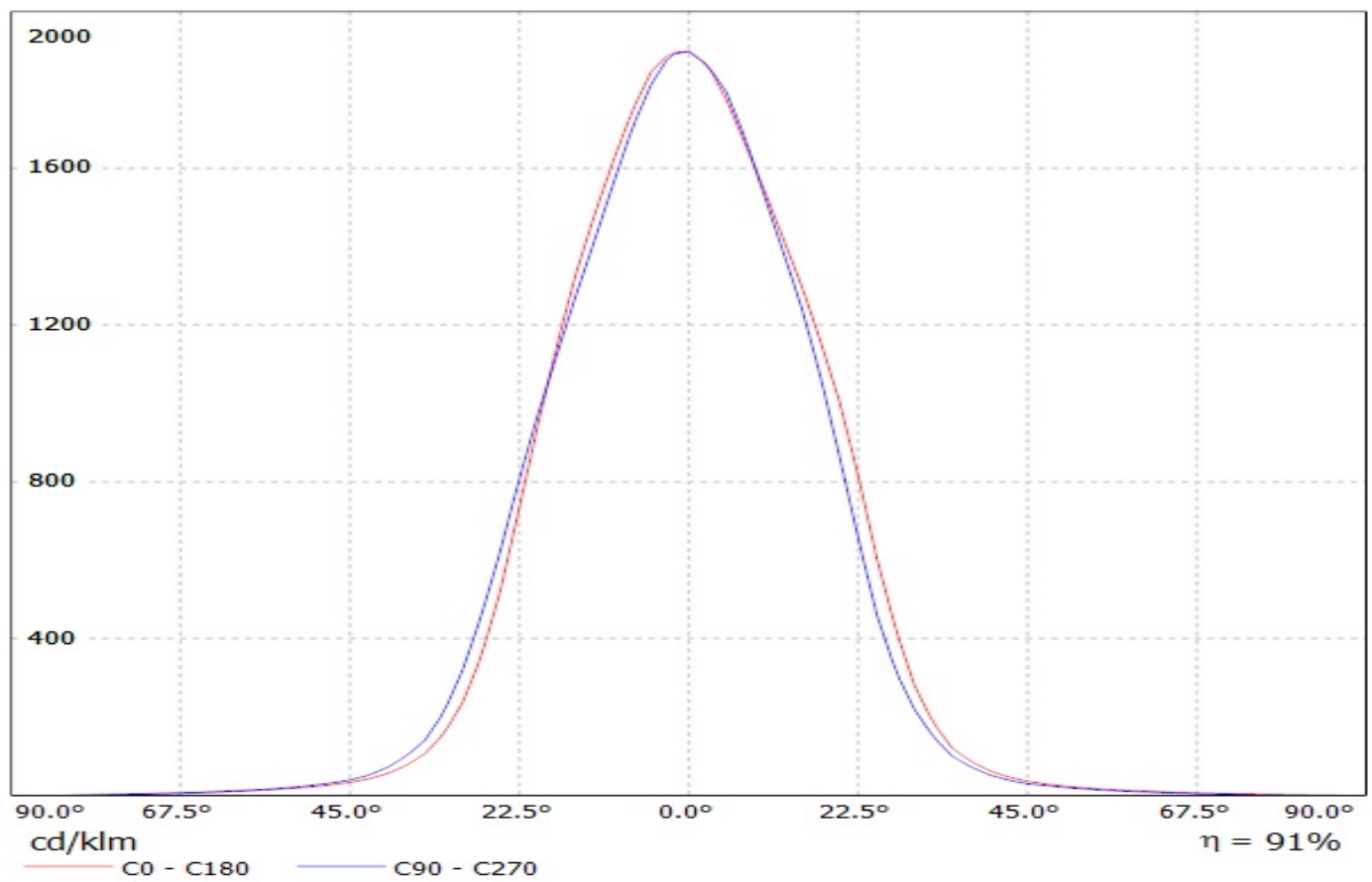


**LEDiL Oy CA12344\_LAURA-W-PIN\_(LUXEON\_T)\_1 Eff.87.6% / LDC (Linear)**

Luminaire: LEDiL Oy CA12344\_LAURA-W-PIN\_(LUXEON\_T)\_1 Eff.87.6%  
Lamps: 1 x LUXEON T (74lm@250mA)

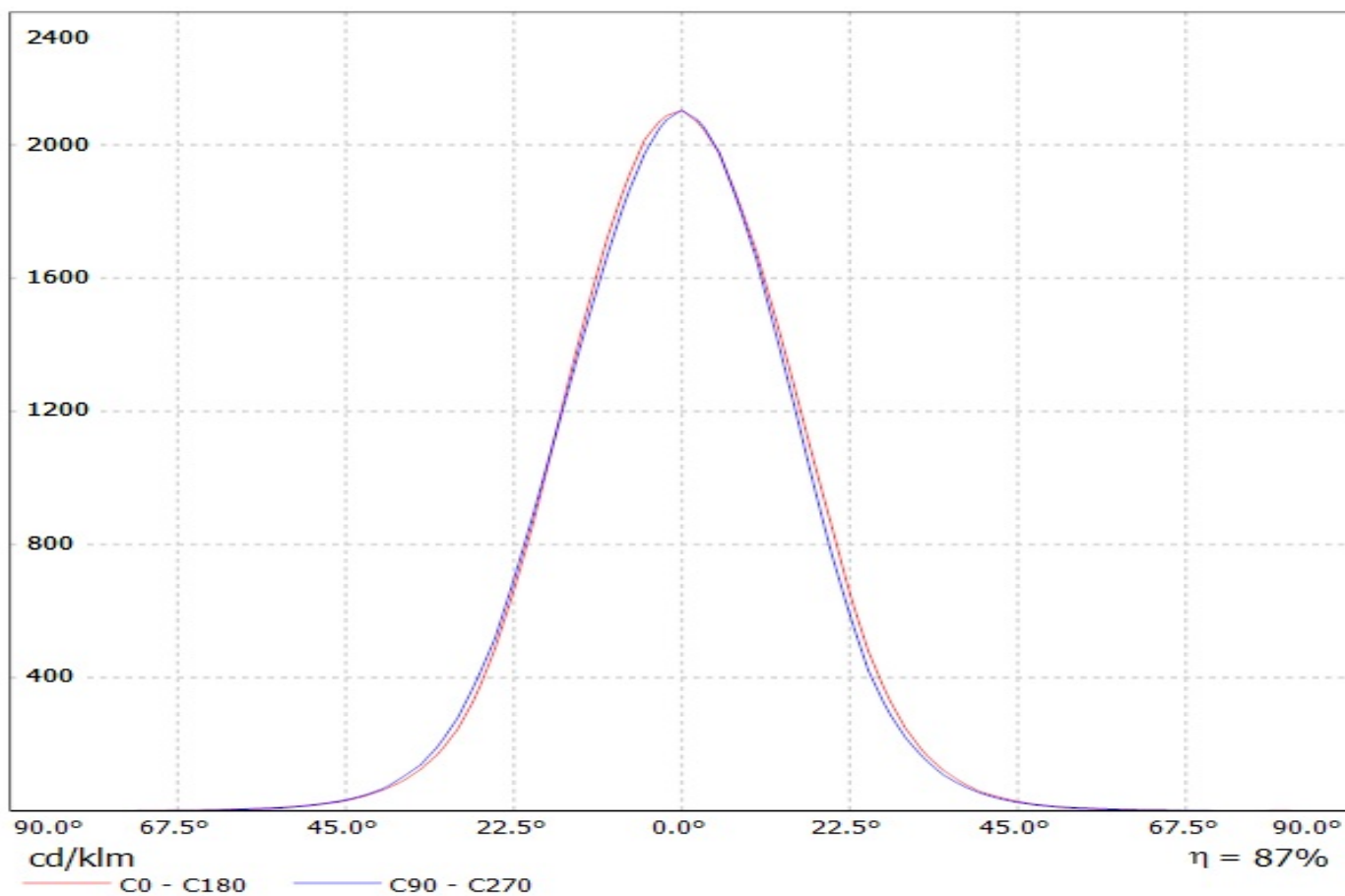


Luminaire: LEDil Oy CA12344\_LAURA-W-PIN\_(NCSxx19B) Efficiency=90%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88.5lm @ 250mA CCT=3400K P=0.8W I=250mA

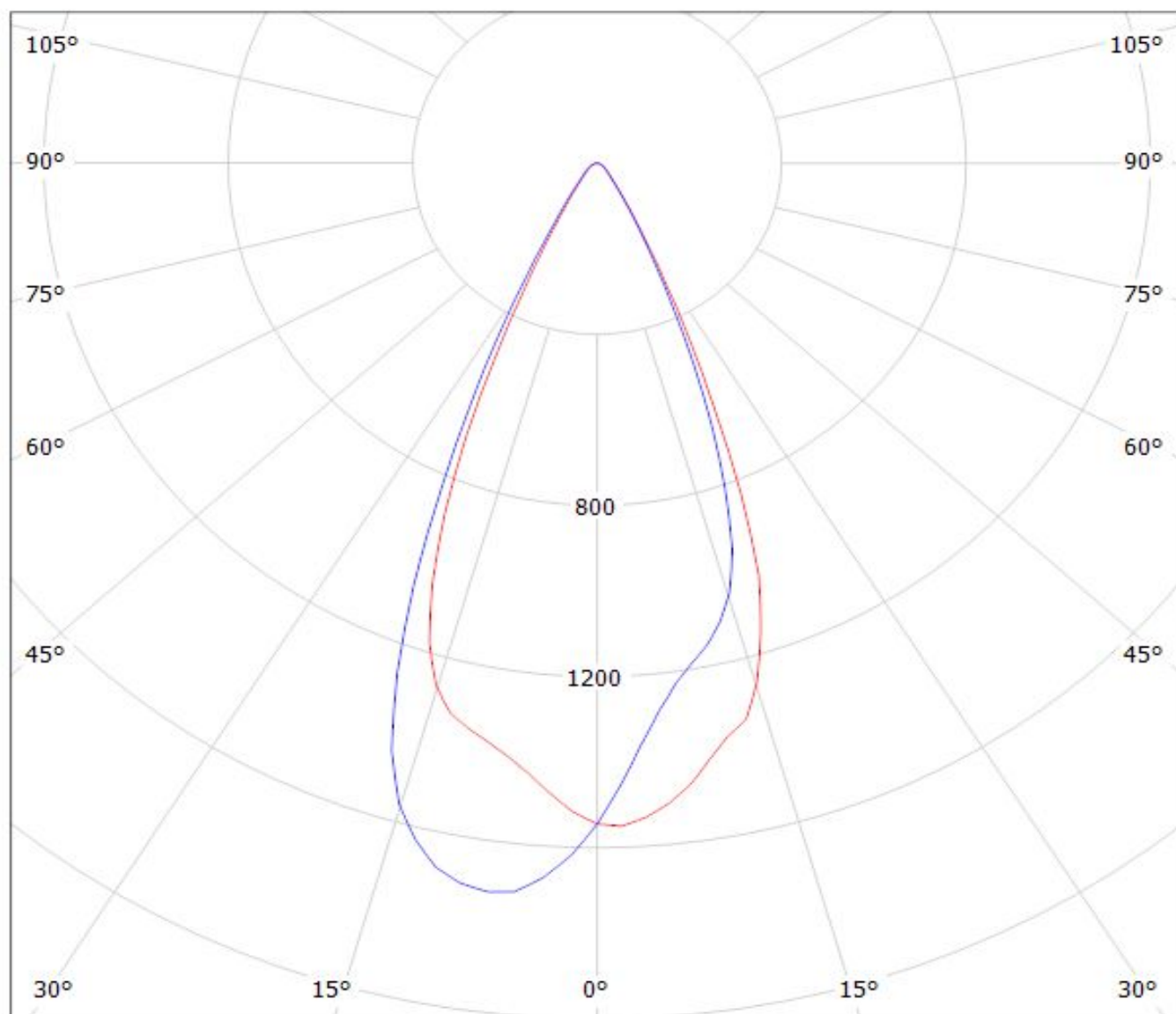


Luminaire: LEDil Oy CA12344\_LAURA-W-PIN\_(NF2x757D)

Lamps: 1 x Nichia NF2x757D (NF2W757DRE) 51.22lm @ 65mA CCT=4987K P=0.4W I=65mA



Luminaire: LEDiL CA12344\_LAURA-W-PIN\_(XP-E) Eff.92%  
Lamps: 1 x Cree XP-E (69lm@250mA)



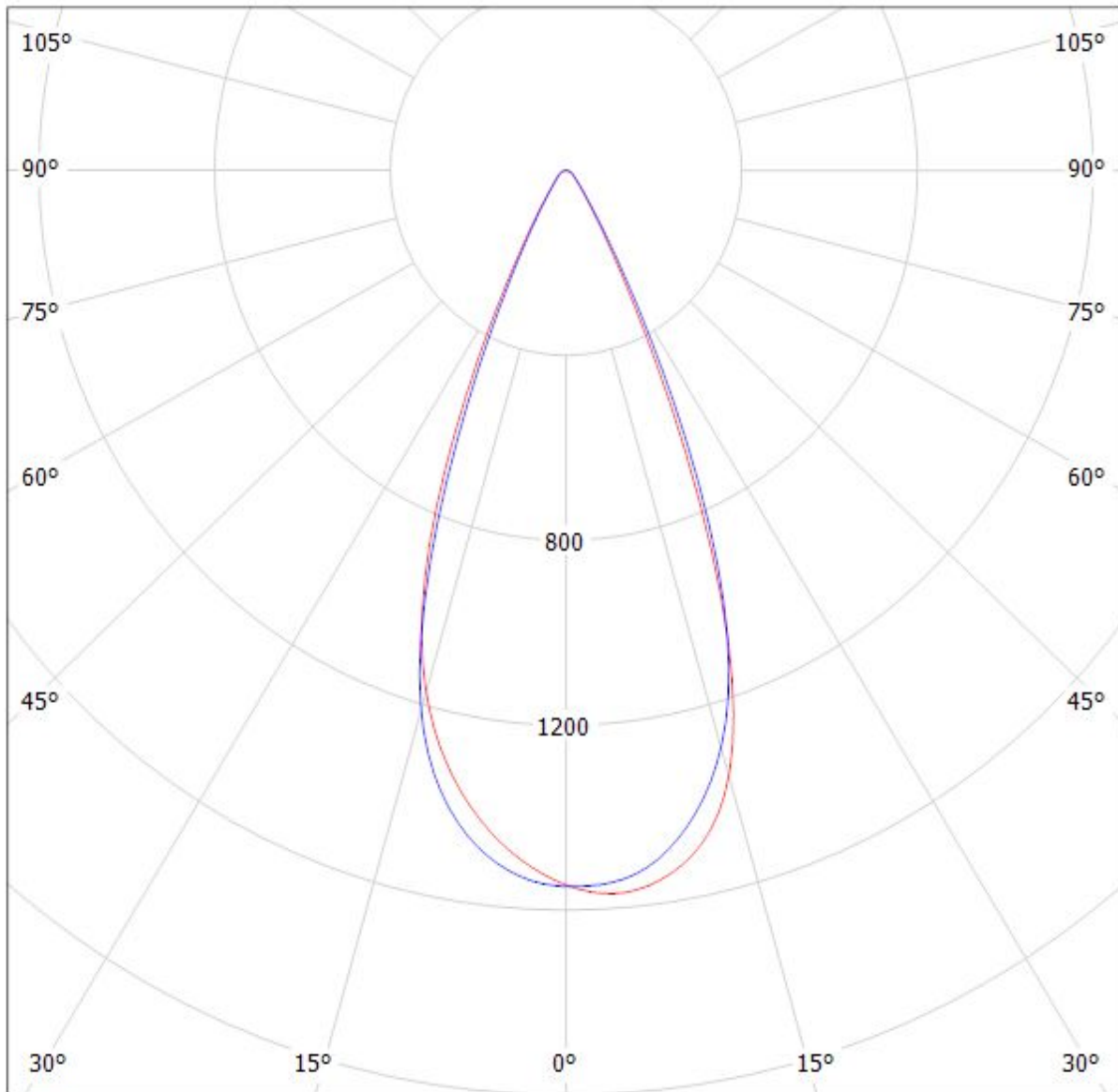
cd/klm

$\eta = 91\%$

— C0 - C180    — C90 - C270



Luminaire: LEDIL OY CA12344\_LAURA-W-PIN\_(XP-G) Eff.90.9%  
Lamps: 1 x Cree XP-G (66.49lm@250mA)



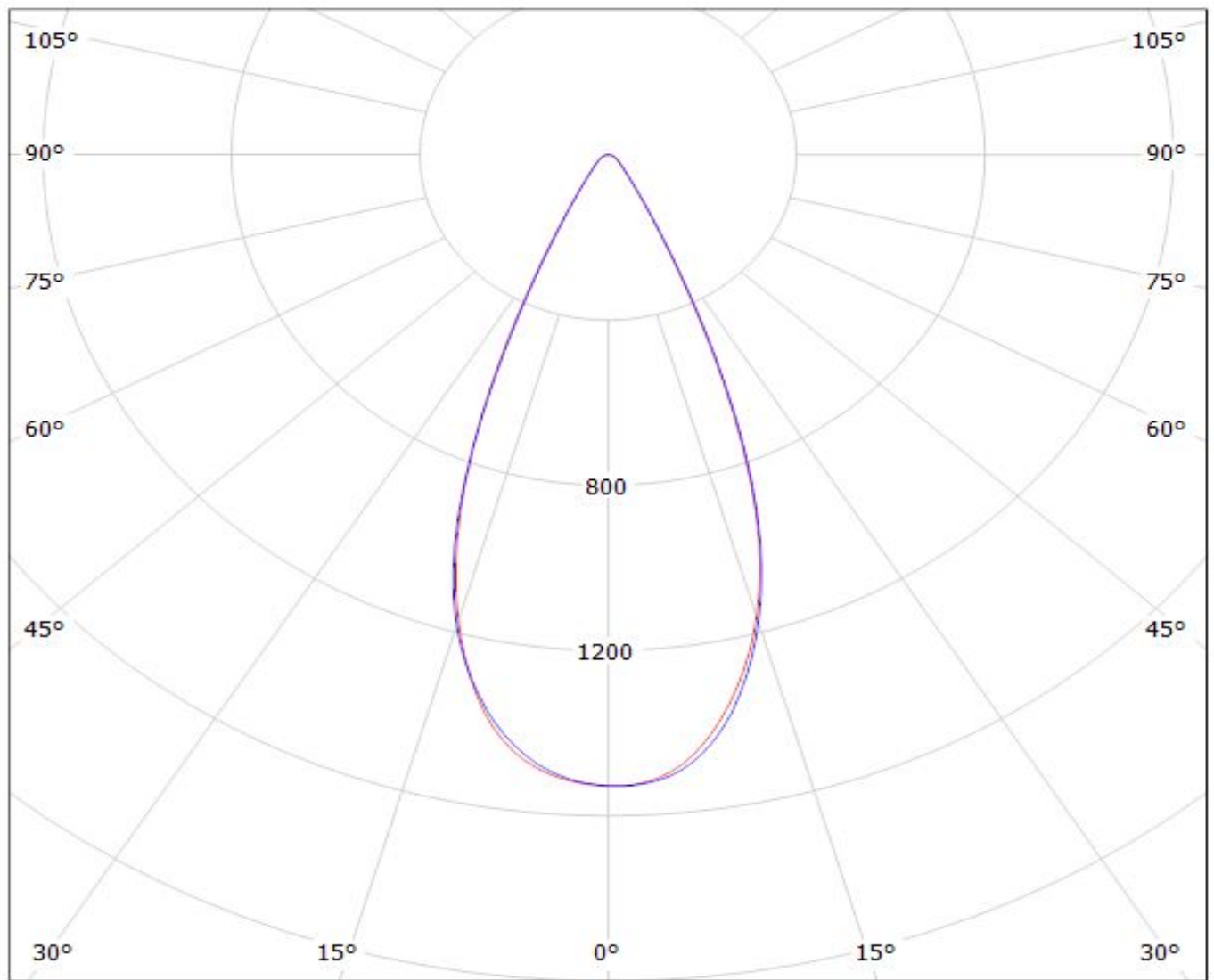
cd/klm

— C0 - C180    — C90 - C270

$\eta = 91\%$

# LEDiL Oy CA12344\_LAURA-W-PIN\_(LUXEON\_T)\_1 Eff.87.6% / LDC (Polar)

Luminaire: LEDiL Oy CA12344\_LAURA-W-PIN\_(LUXEON\_T)\_1 Eff.87.6%  
Lamps: 1 x LUXEON T (74lm@250mA)



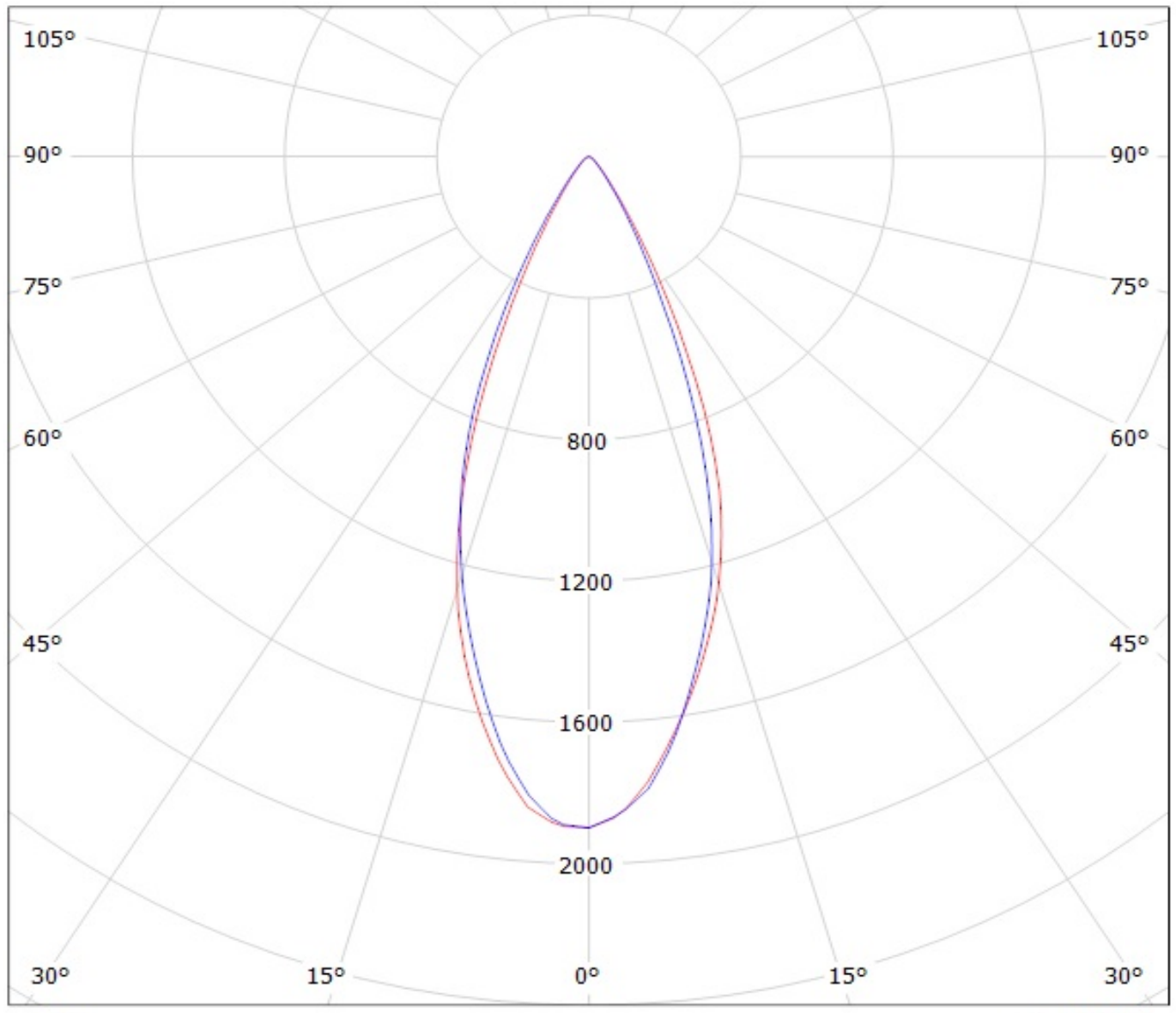
cd/klm

— C0 - C180

— C90 - C270

$\eta = 88\%$

Luminaire: LEDil Oy CA12344\_LAURA-W-PIN\_(NCSxx19B) Efficiency=90%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88.5lm @ 250mA CCT=3400K P=0.8W I=250mA



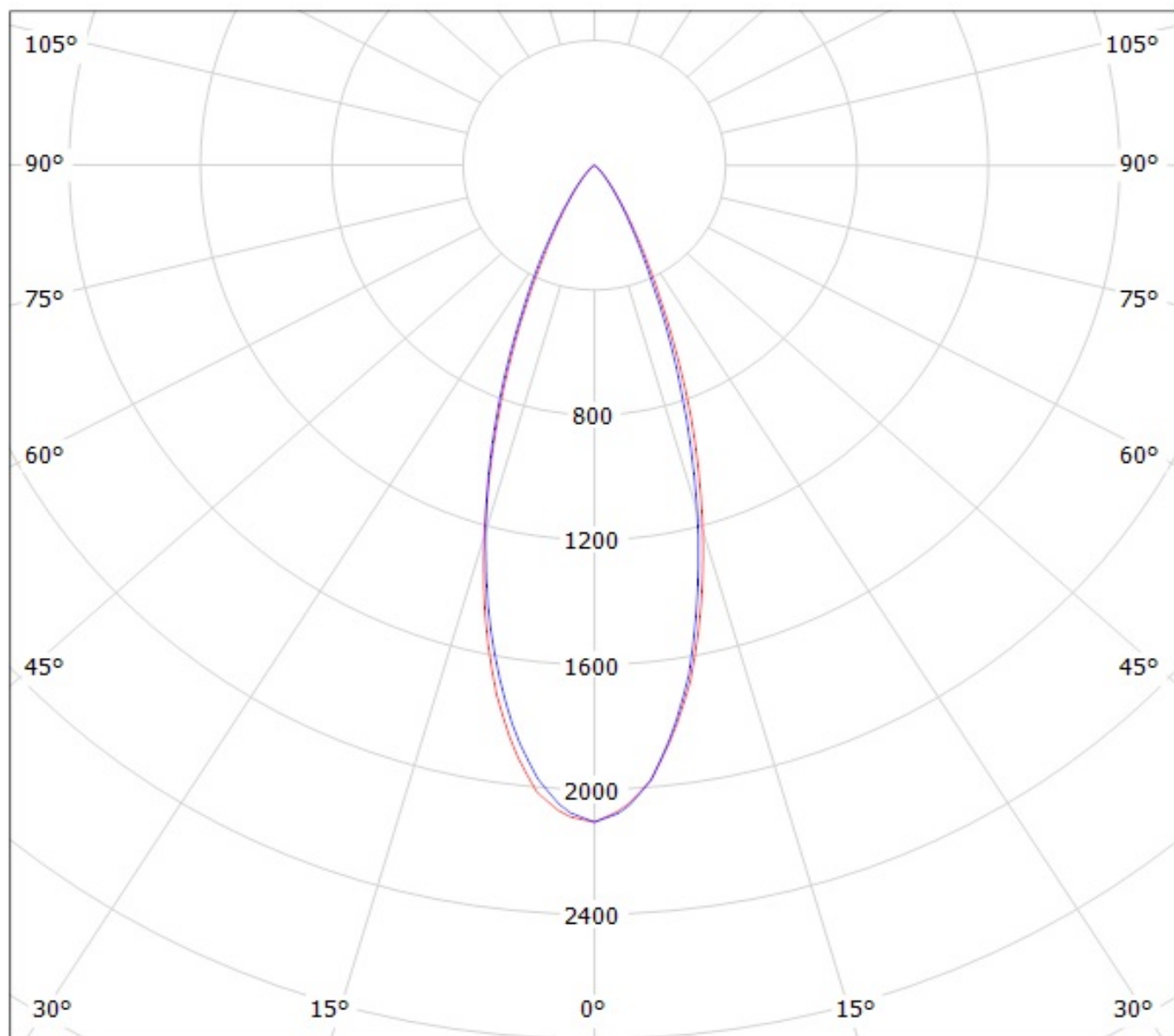
cd/klm

— C0 - C180    — C90 - C270

$\eta = 91\%$

Luminaire: LEDil Oy CA12344\_LAURA-W-PIN\_(NF2x757D)

Lamps: 1 x Nichia NF2x757D (NF2W757DRE) 51.22lm @ 65mA CCT=4987K P=0.4W I=65mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 87\%$

**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.**