

## DETAILS

<b>Product Number</b>	CP12946_LARISA-WW-CLIP8
<b>Family</b>	Larisa
<b>Type</b>	Assembly
<b>Color</b>	black
<b>Diameter</b>	10x10 mm
<b>Height</b>	7,5 mm
<b>Style</b>	square
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	PC
<b>Fastening</b>	clips, glue
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	19/03/2015



## OPTICAL PROPERTIES

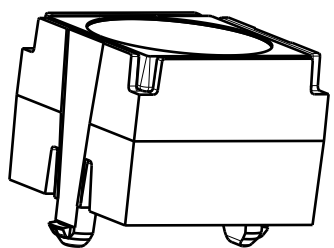
LED	Viewing	Light	Effi-	cd/lm	Connector
	Angle	Beam	ciency		
NF2x757A	49 deg	Very Wide	87 %	1.230	-
Duris S5 (2 chip)	50 deg	Very Wide	86 %	1.200	-
NCSxx19A	52 deg	Very Wide	83 %	1.000	-
XB-D	57 deg	Very Wide	84 %	0.900	-
NVSxx19A	57 deg	Very Wide	90 %	0.900	-
LUXEON Rebel ES	60 deg	Very Wide	86 %	0.900	-
LUXEON Rebel	62 deg	Very Wide	88 %	0.900	-
Oslon SSL 80	66 deg	Very Wide	84 %	0.900	-
LUXEON A	70 deg	Very Wide	85 %	0.700	-

D

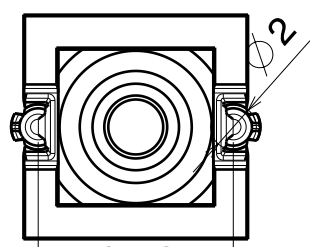
C

B

A



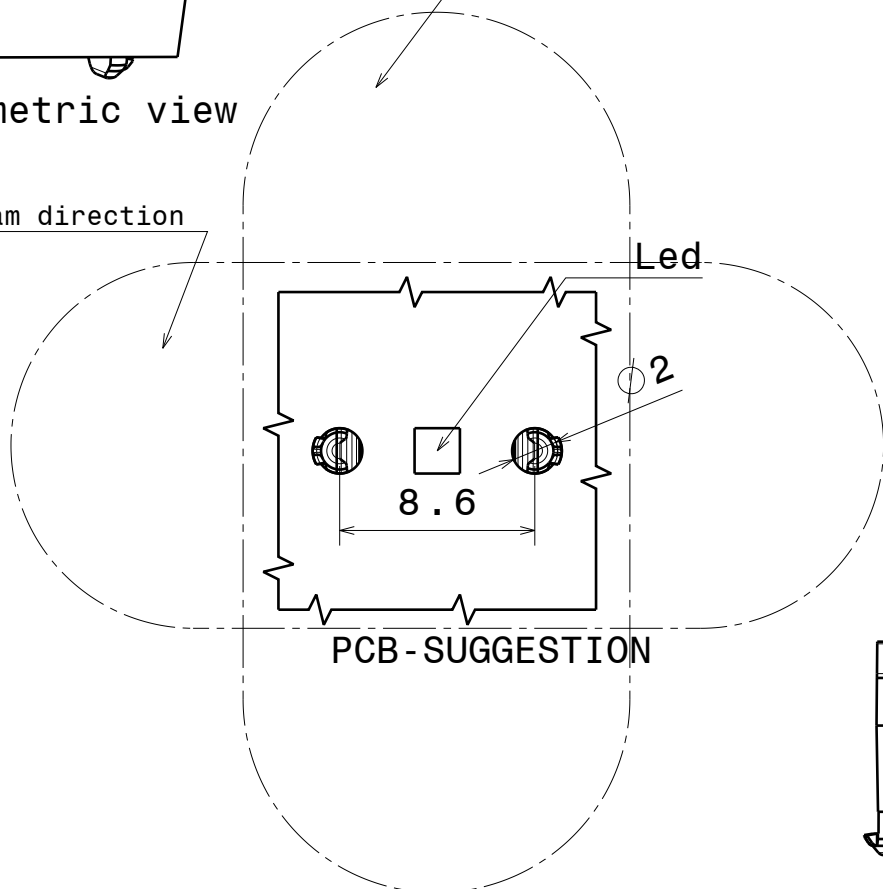
Isometric view



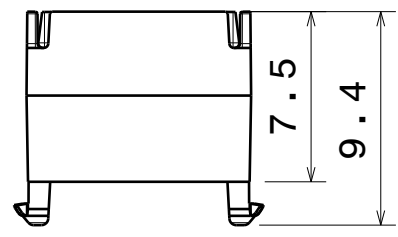
8.6  
Bottom view

0-90 Beam direction

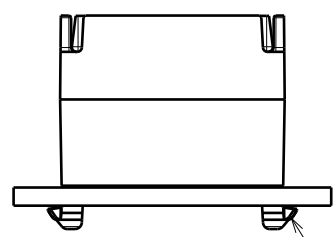
Oval Beam direction



PCB-SUGGESTION

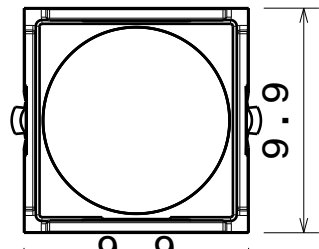


7.5  
9.4  
Front view



0.8  
pcb

Holder clips



9.9  
9.9  
Top view

Material:

- Lens PMMA
- Holder PC Black

Tolerances for dimensions:  
 0-20mm tolerance value  $\pm 0.1\text{mm}$   
 21-45mm tolerance value  $\pm 0.2\text{mm}$   
 46-90mm tolerance value  $\pm 0.3\text{mm}$   
 91-100mm tolerance value  $\pm 0.4\text{mm}$   
 101-mm tolerance value  $\pm 0.5\text{mm}$

This drawing is our property.  
 It can't be reproduced  
 or communicated without  
 our written agreement.



Ledil Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland

DRAWING TITLE  
**Datasheet LARISA-CLIP8 assembly**

<b>DRAWN BY</b> mav	<b>DATE</b> 11.06.2012
<b>CHECKED BY</b> pv	<b>DATE</b> 11.06.2012
<b>DESIGNED BY</b> mav/pv	<b>DATE</b> 15.05.2012

<b>SIZE</b> A4	<b>DRAWING NUMBER</b> -	<b>REV</b> 1
<b>SCALE</b> 4:1	<b>WEIGHT (g)</b>	<b>SHEET</b> 1/1

D

A

4

4

3

3

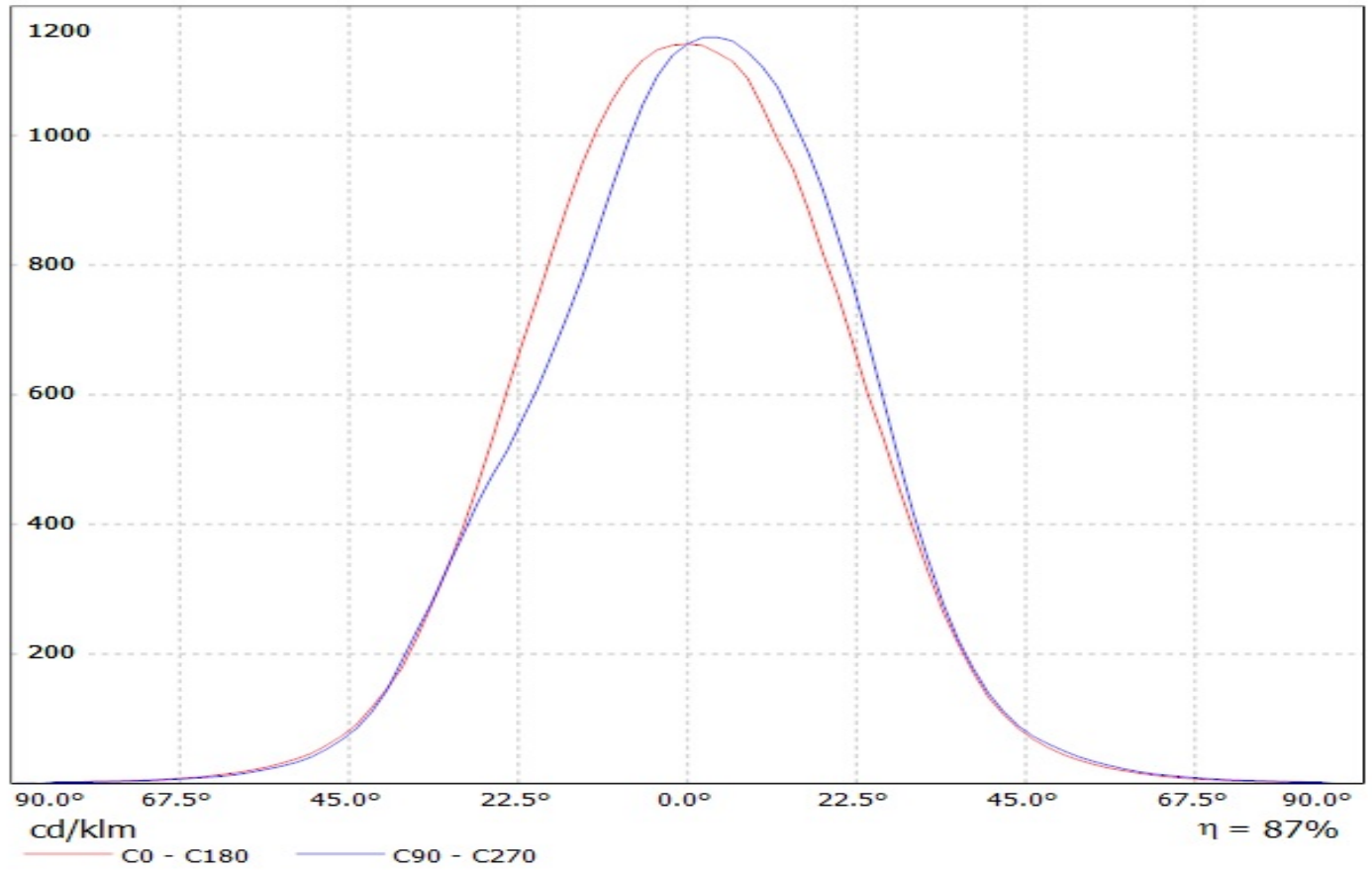
2

2

1

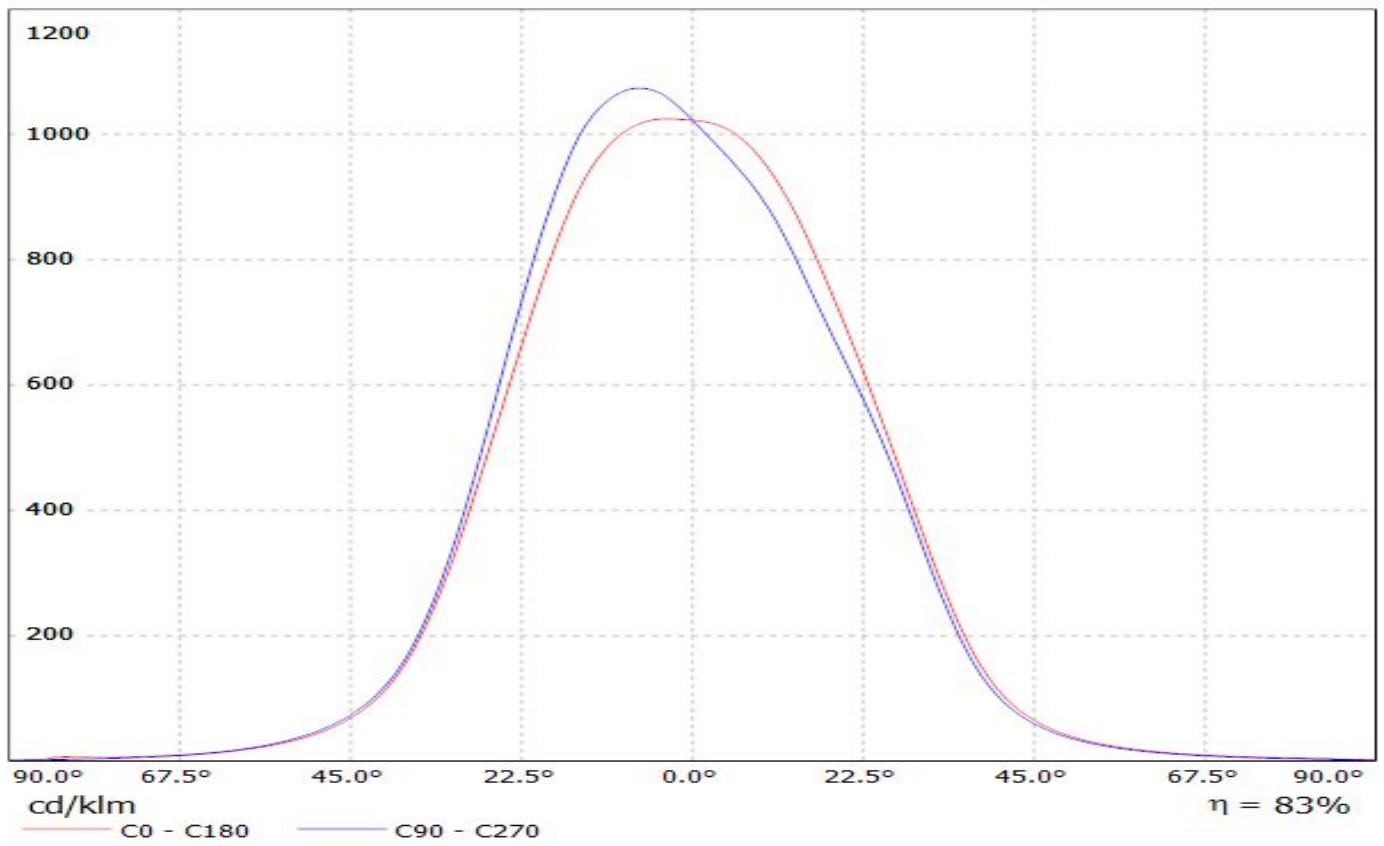
1

Luminaire: LEDil Oy CP12946\_LARISA-WW-CLIP8\_(DURIS\_S5) Efficiency=86%  
Lamps: 1 x Osram Duris S5 /GW PSLPS1.EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA



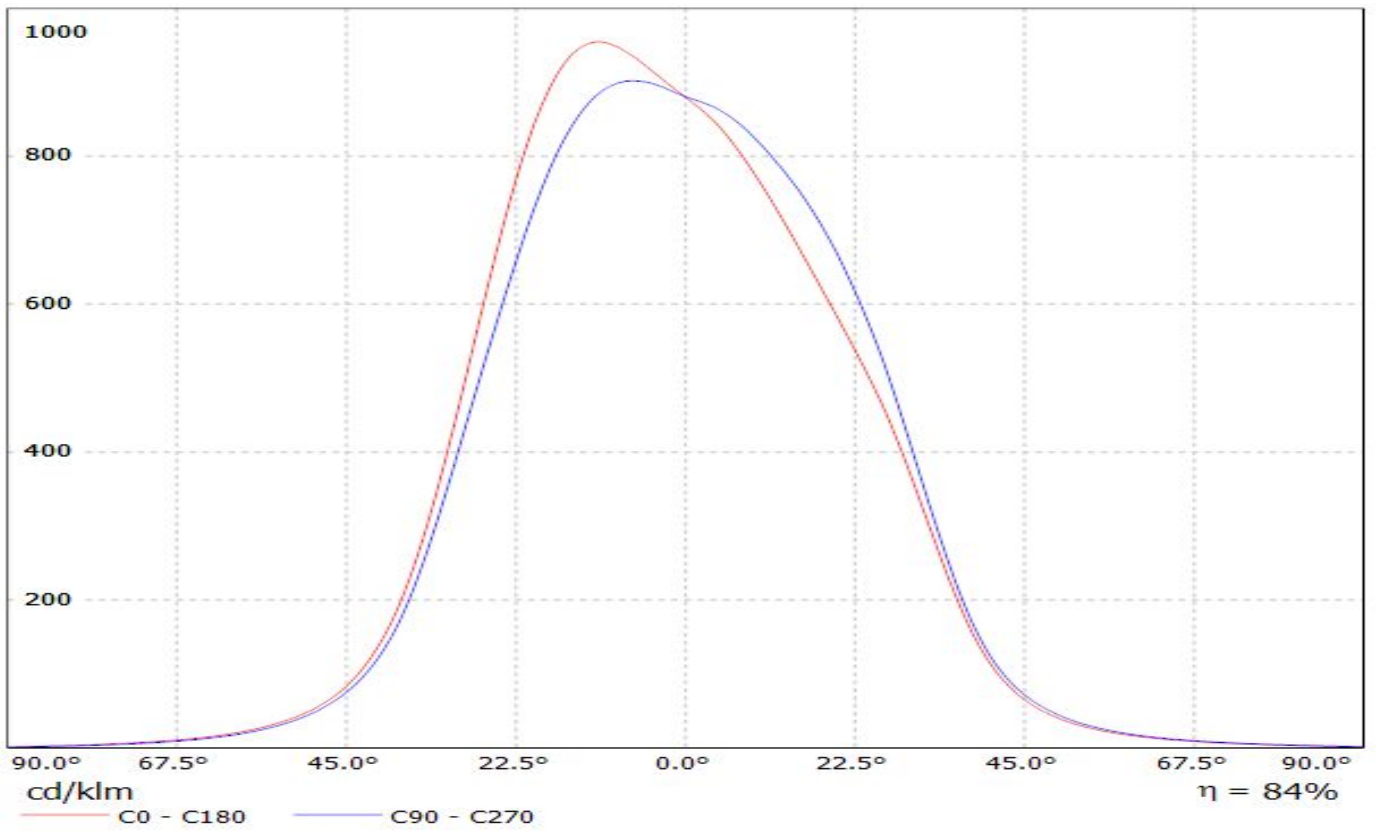
# LEDiL Oy C12913\_LARISA-WW\_(NCS19) Eff.83.4% / LDC (Linear)

Luminaire: LEDiL Oy C12913\_LARISA-WW\_(NCS19) Eff.83.4%  
Lamps: 1 x Nichia NCS19 (88lm@250mA)



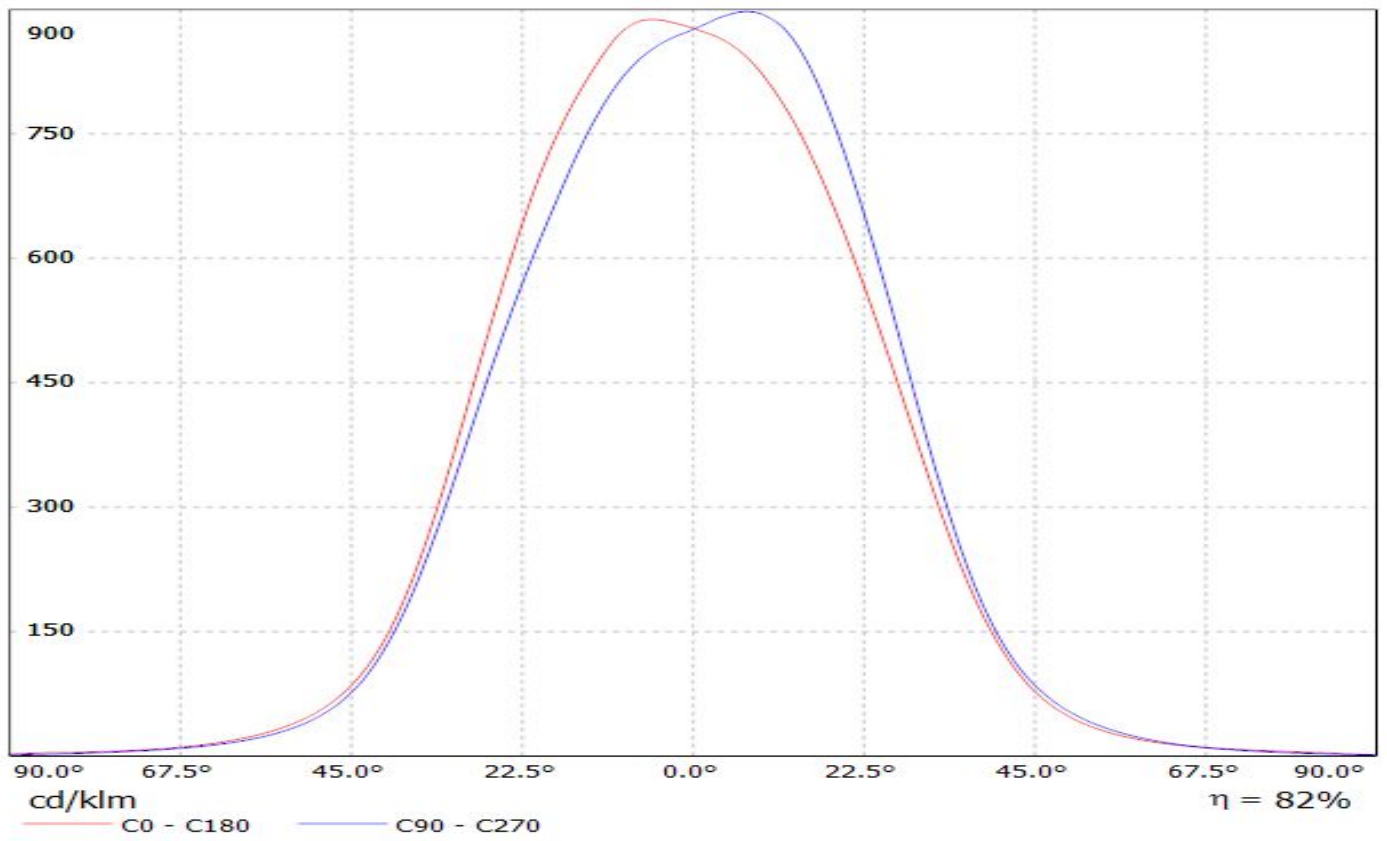
# LEDiL Oy C12913\_LARISA-WW\_(XB-D) Eff.84.3% / LDC (Linear)

Luminaire: LEDiL Oy C12913\_LARISA-WW\_(XB-D) Eff.84.3%  
Lamps: 1 x CREE XB-D (92.2lm@250mA)



# LEDiL Oy C12913\_LARISA-WW\_(NVS19) Eff.82.3% / LDC (Linear)

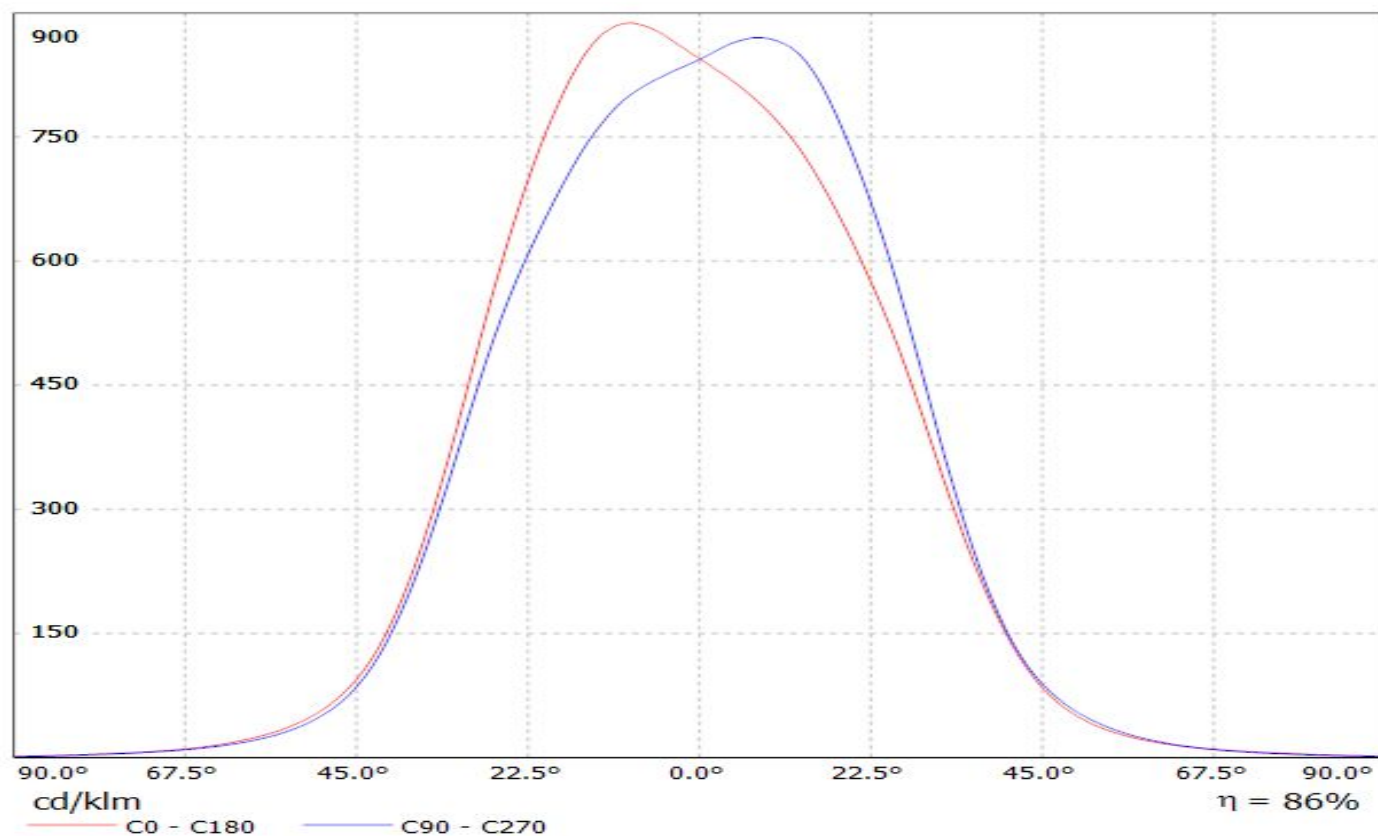
Luminaire: LEDiL Oy C12913\_LARISA-WW\_(NVS19) Eff.82.3%  
Lamps: 1 x Nichia NVS19 (97.5lm@250mA)



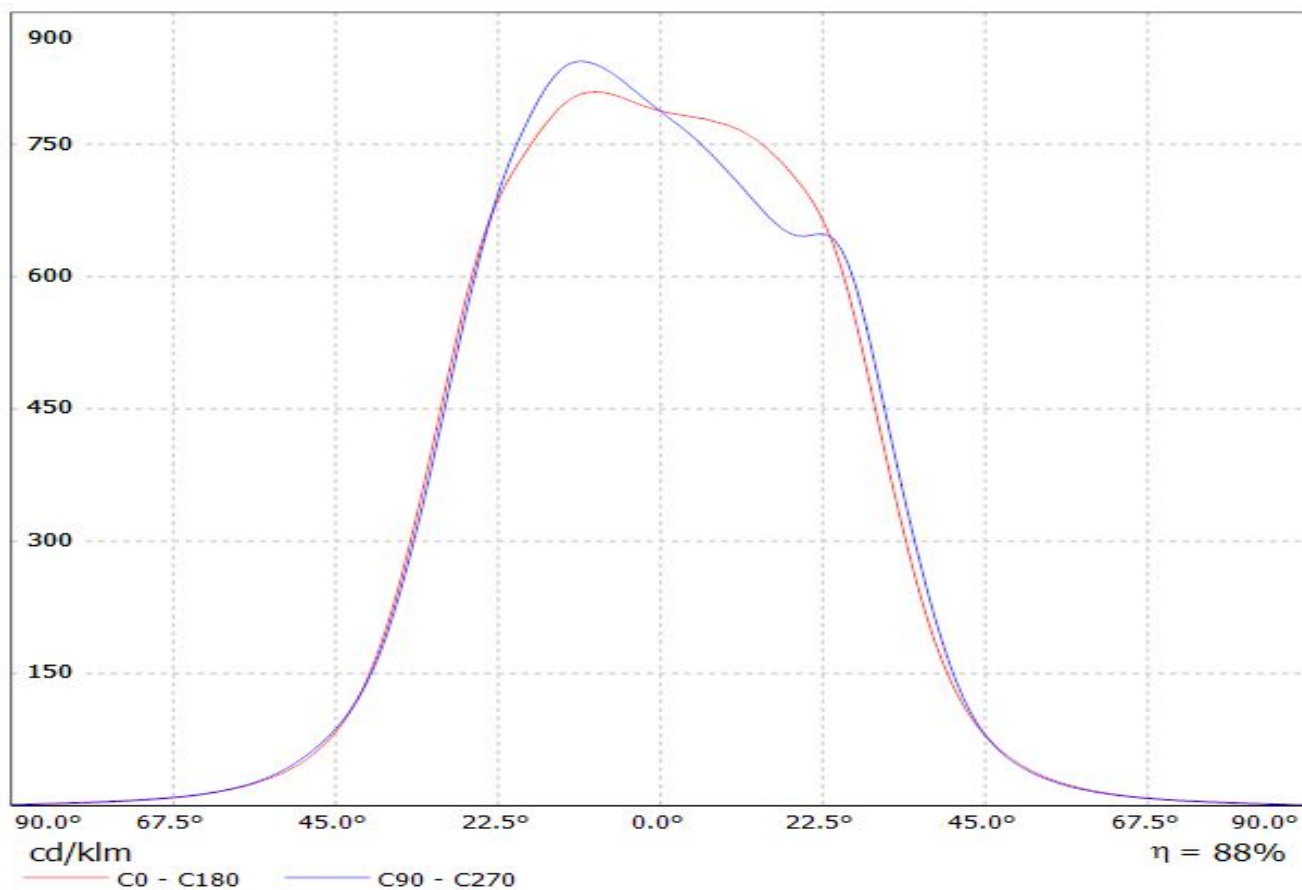
# LEDiL Oy C12913\_LARISA-WW\_(Rebel\_ES) Eff.86.4% / LDC (Linear)

Luminaire: LEDiL Oy C12913\_LARISA-WW\_(Rebel\_ES) Eff.86.4%

Lamps: 1 x Rebel ES (91.8116lm@250mA)



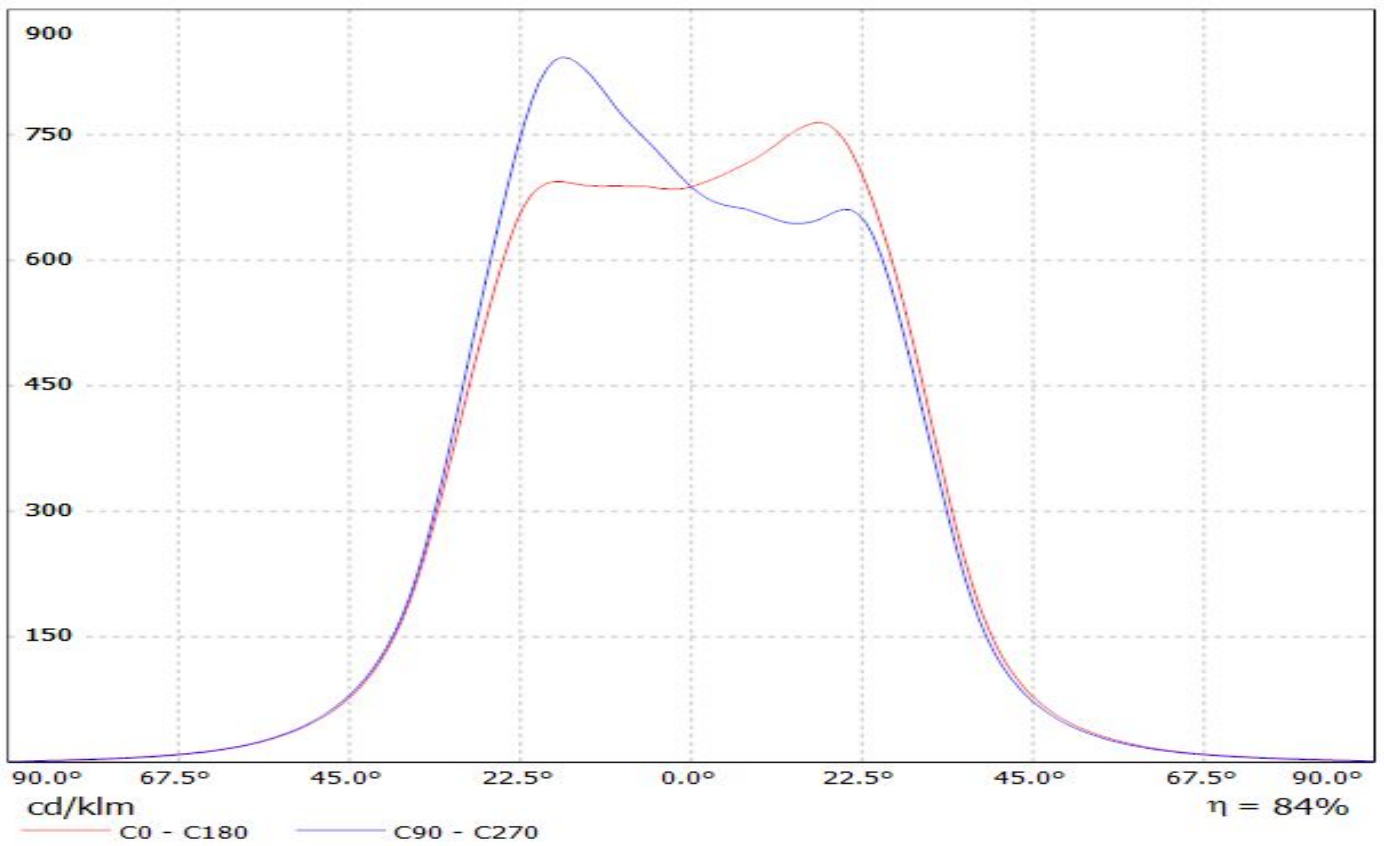
Luminaire: LEDiL Oy LARISA-WW\_Rebel\_(CLIP8&CLIP16) Eff.87.5%  
Lamps: 1 x Rebel (80.8775lm@250mA)





# LEDiL Oy C12913\_LARISA-WW\_(SSL80) Eff.84.2% / LDC (Linear)

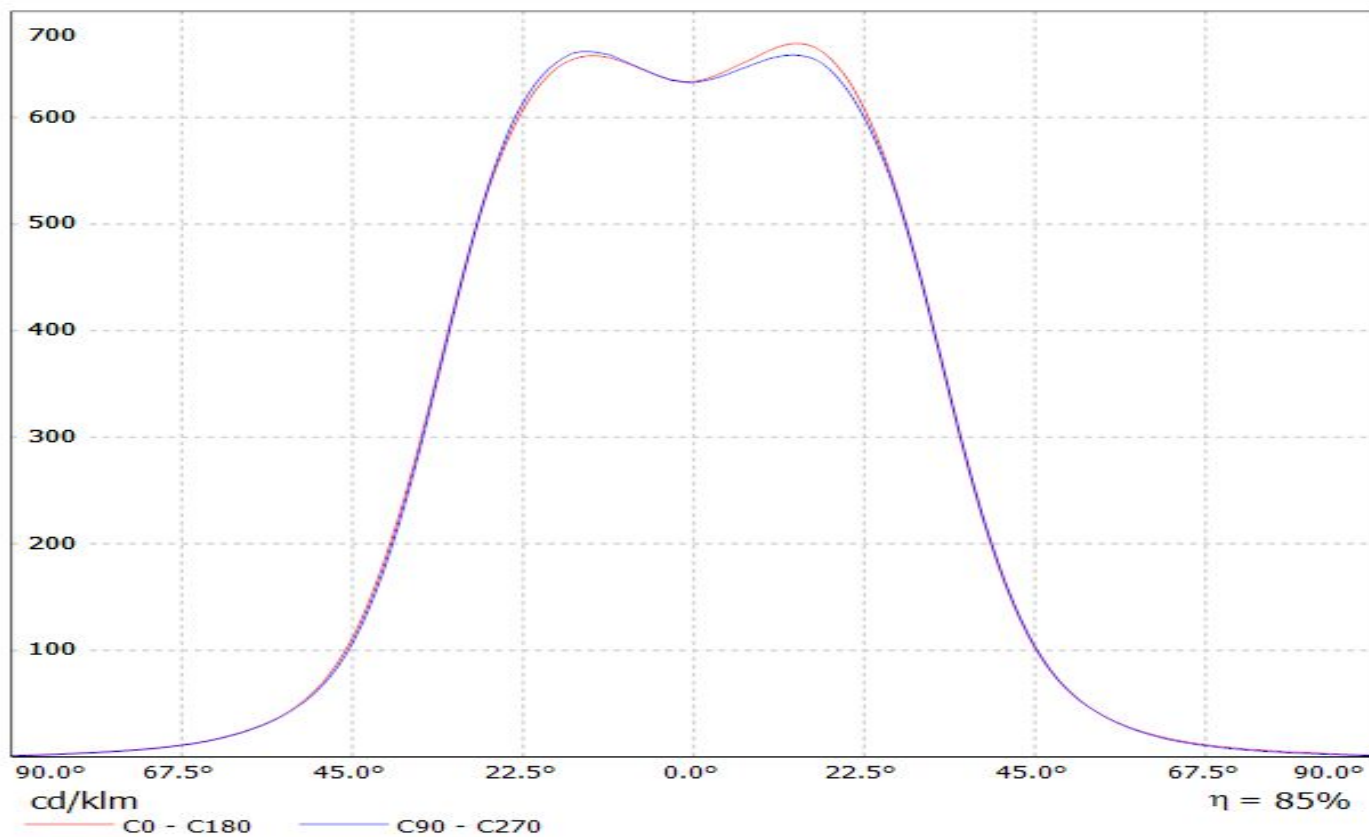
Luminaire: LEDiL Oy C12913\_LARISA-WW\_(SSL80) Eff.84.2%  
Lamps: 1 x Osram SSL80 (81.3lm@250mA)



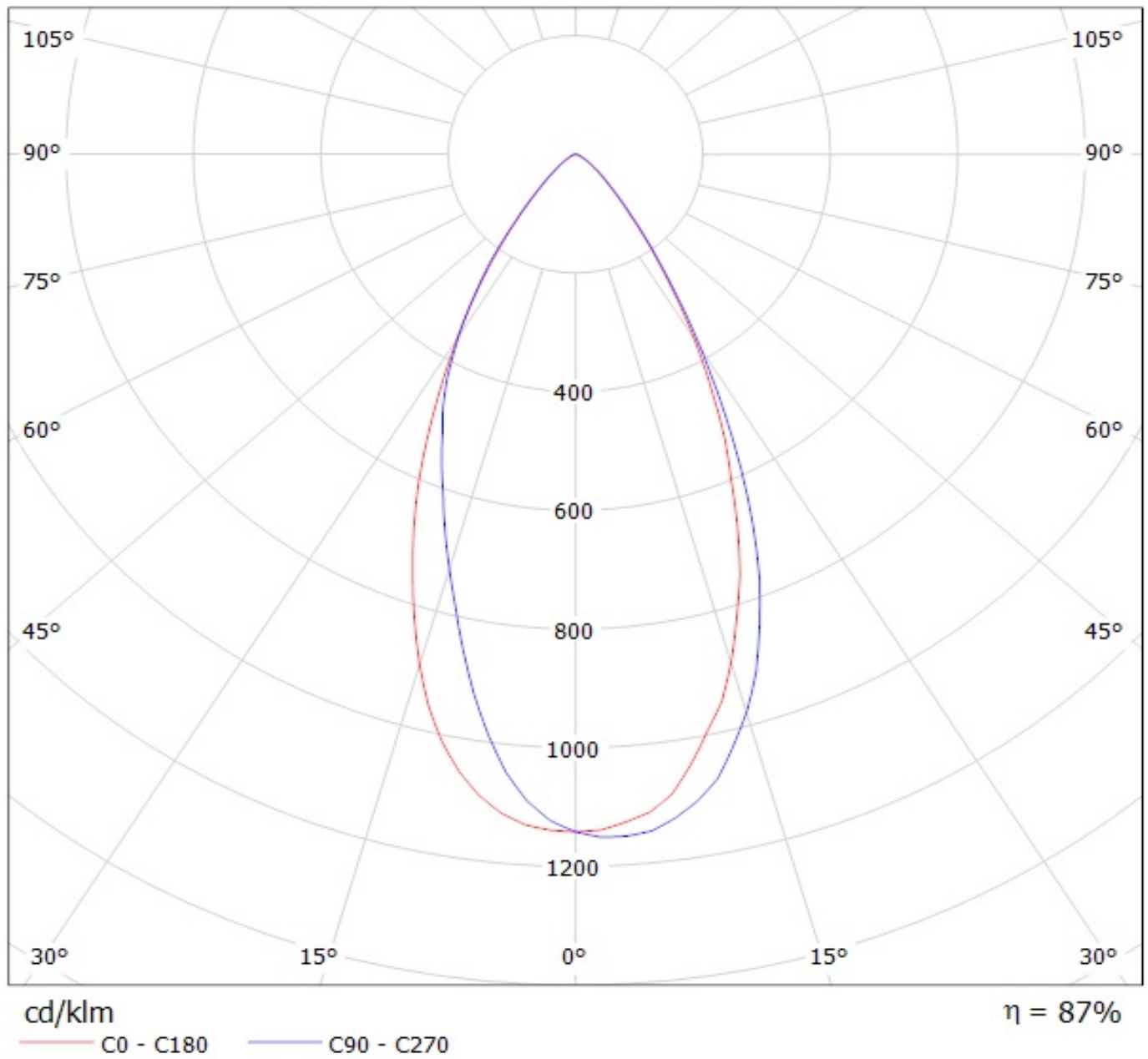
# LEDiL Oy C12913\_LARISA-WW\_(Luxeon\_A) Eff.85.5% / LDC (Linear)

Luminaire: LEDiL Oy C12913\_LARISA-WW\_(Luxeon\_A) Eff.85.5%

Lamps: 1 x Luxeon\_A (66.4lm@250mA)



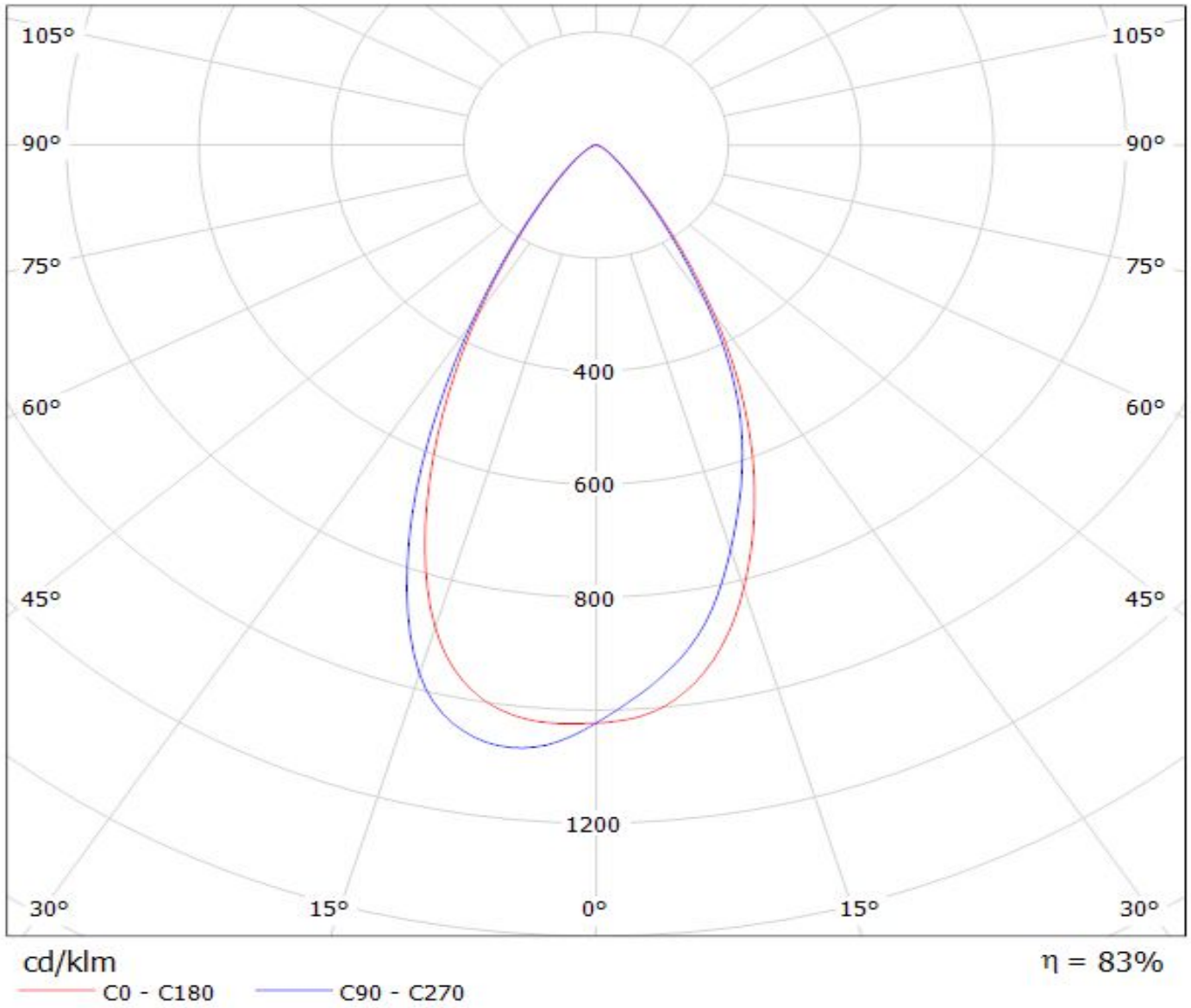
Luminaire: LEDil Oy CP12946\_LARISA-WW-CLIP8\_(DURIS\_S5) Efficiency=86%  
Lamps: 1 x Osram Duris S5 /GW PSLPS1.EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA



# LEDiL Oy C12913\_LARISA-WW\_(NCS19) Eff.83.4% / LDC (Polar)

Luminaire: LEDiL Oy C12913\_LARISA-WW\_(NCS19) Eff.83.4%

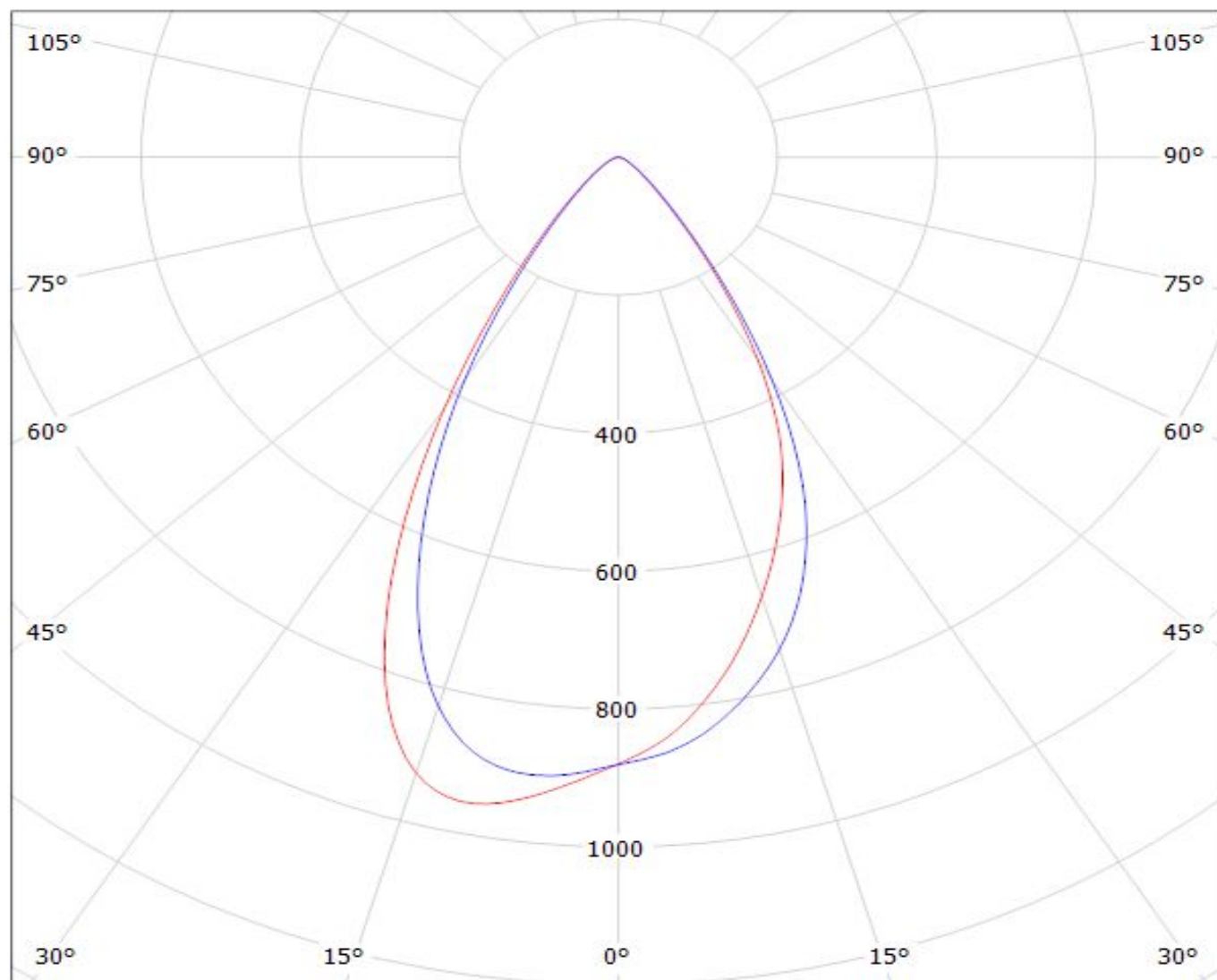
Lamps: 1 x Nichia NCS19 (88lm@250mA)



# LEDiL Oy C12913\_LARISA-WW\_(XB-D) Eff.84.3% / LDC (Polar)

Luminaire: LEDiL Oy C12913\_LARISA-WW\_(XB-D) Eff.84.3%

Lamps: 1 x CREE XB-D (92.2lm@250mA)



cd/klm

— C0 - C180

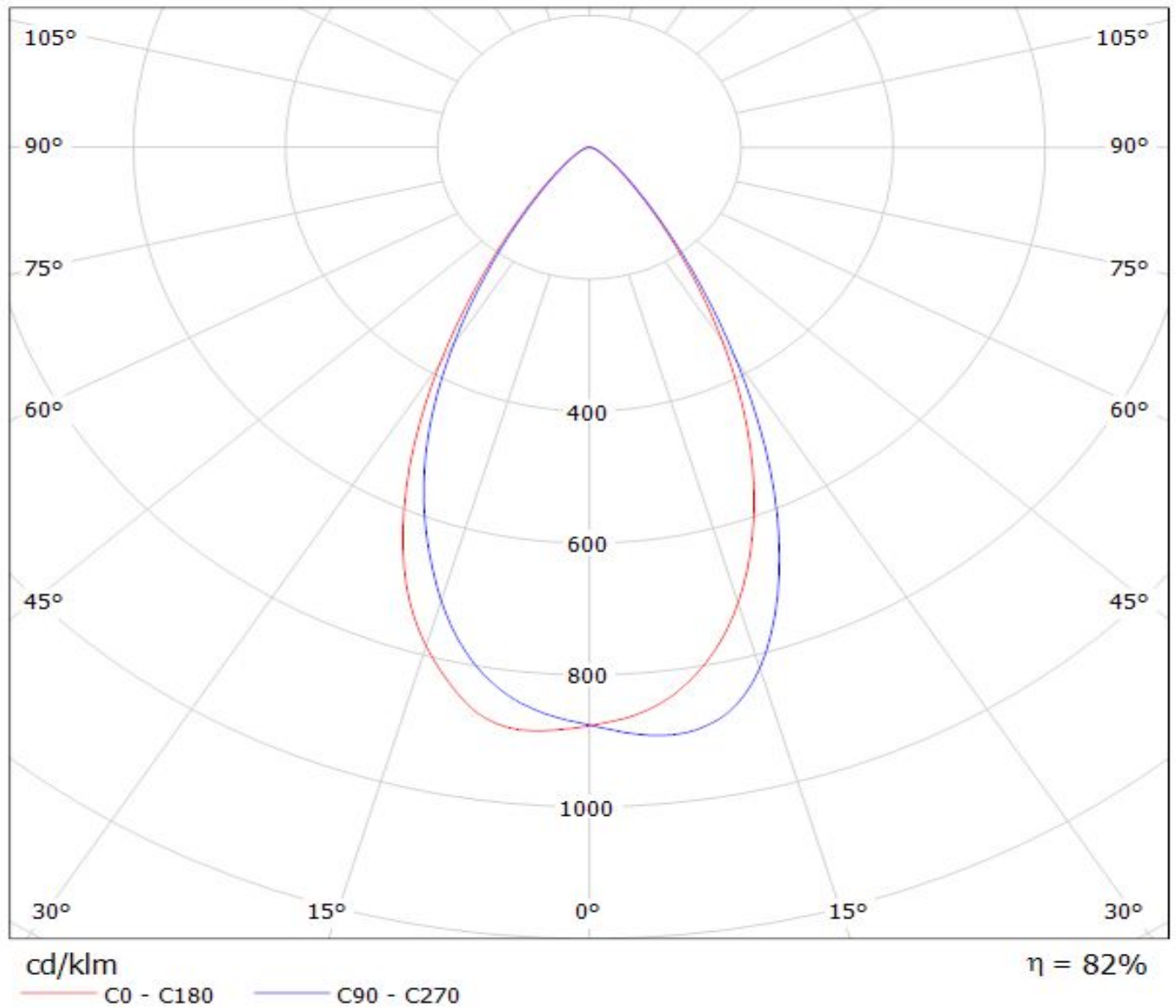
— C90 - C270

$\eta = 84\%$

# LEDiL Oy C12913\_LARISA-WW\_(NVS19) Eff.82.3% / LDC (Polar)

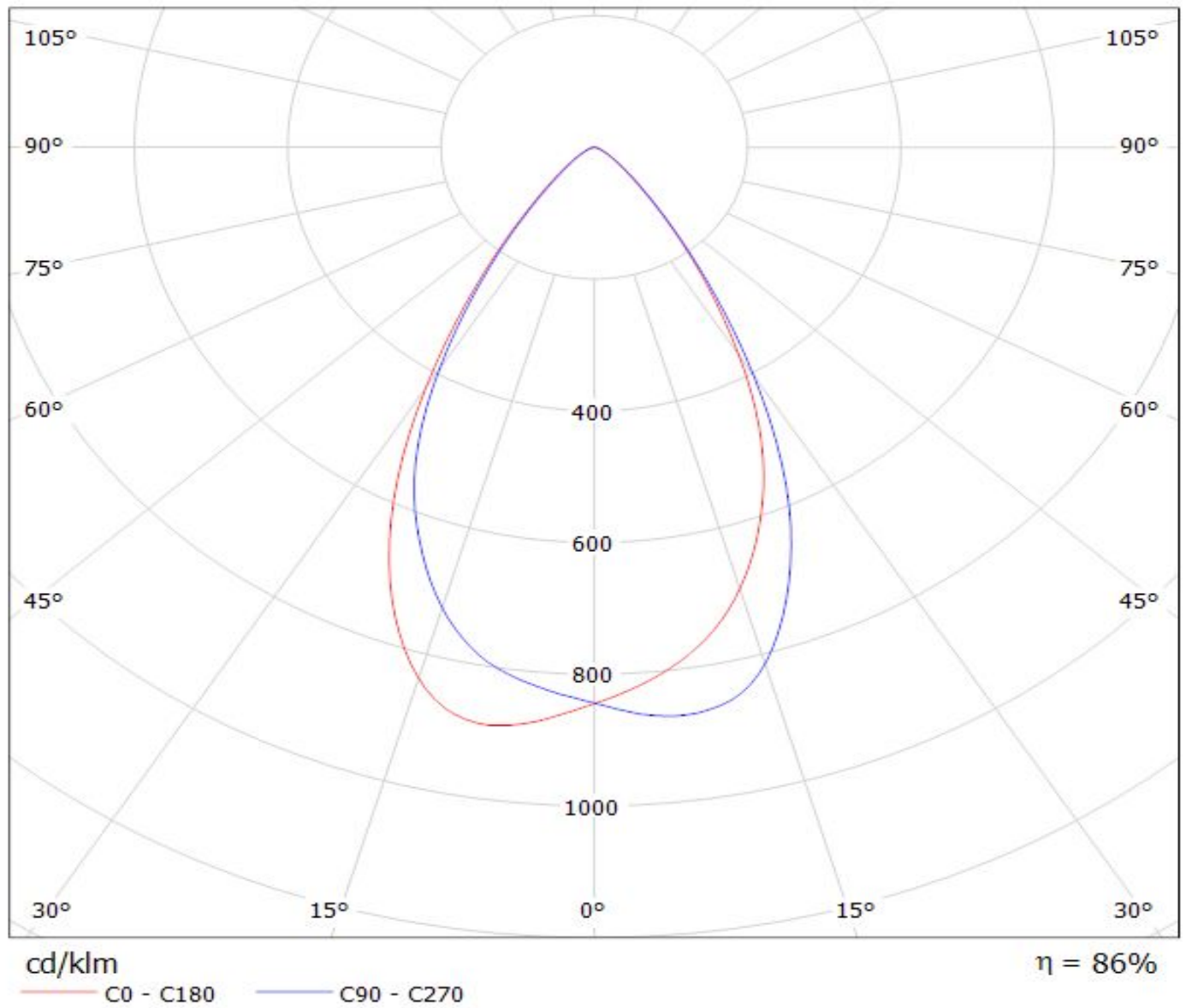
Luminaire: LEDiL Oy C12913\_LARISA-WW\_(NVS19) Eff.82.3%

Lamps: 1 x Nichia NVS19 (97.5lm@250mA)

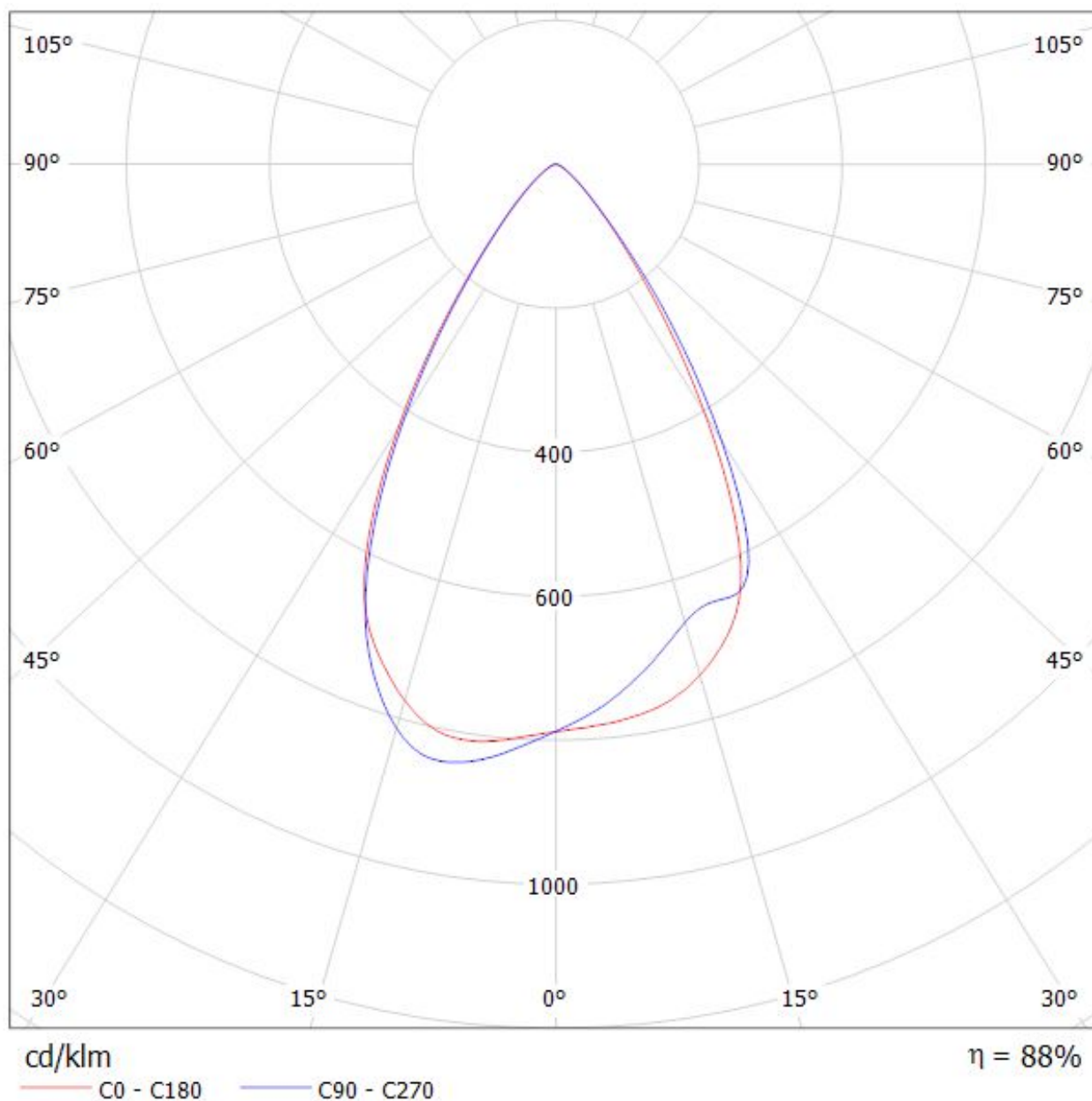


# LEDiL Oy C12913\_LARISA-WW\_(Rebel\_ES) Eff.86.4% / LDC (Polar)

Luminaire: LEDiL Oy C12913\_LARISA-WW\_(Rebel\_ES) Eff.86.4%  
Lamps: 1 x Rebel ES (91.8116lm@250mA)



Luminaire: LEDiL Oy LARISA-WW\_Rebel\_(CLIP8&CLIP16) Eff.87.5%  
Lamps: 1 x Rebel (80.8775lm@250mA)

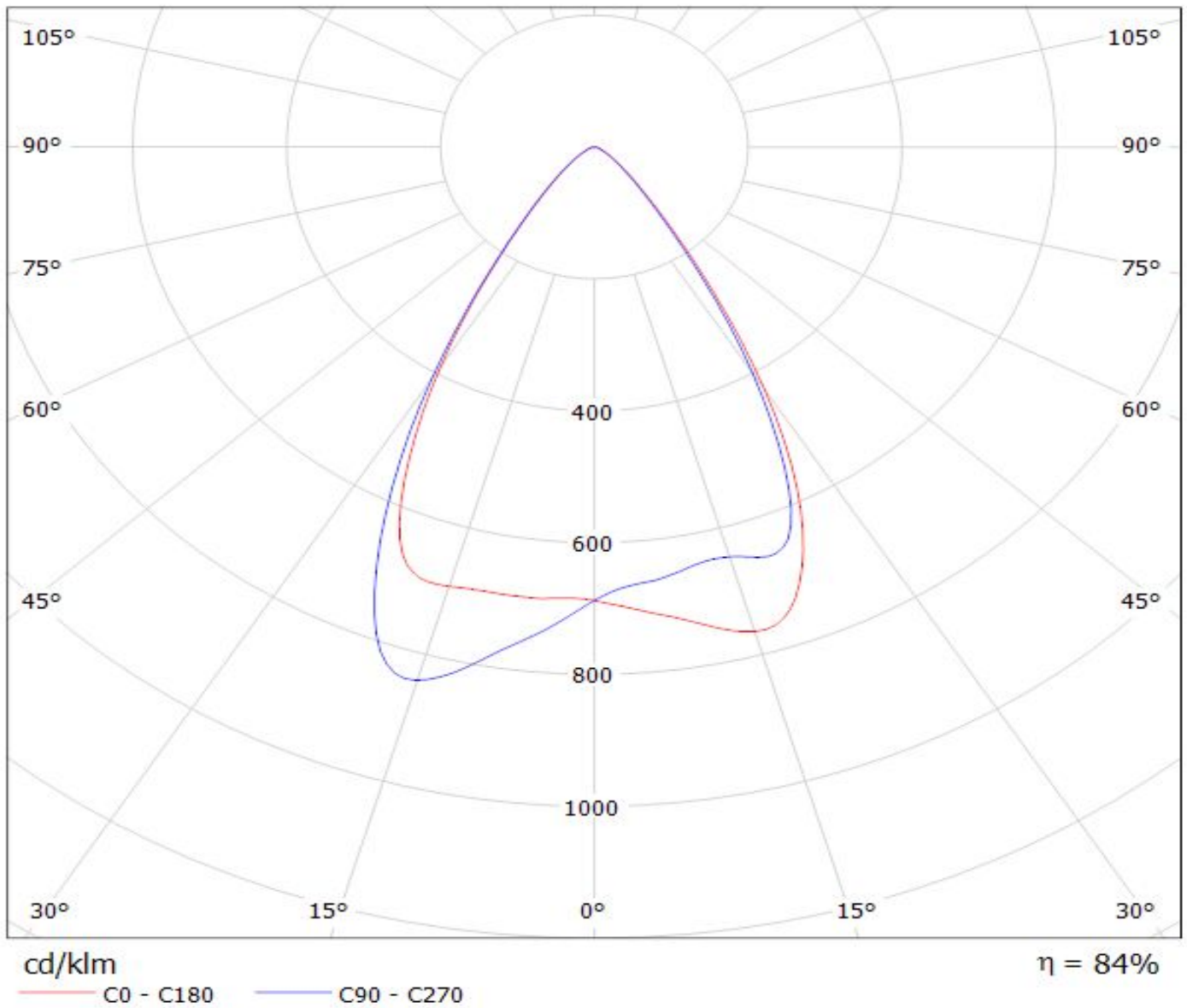




# LEDiL Oy C12913\_LARISA-WW\_(SSL80) Eff.84.2% / LDC (Polar)

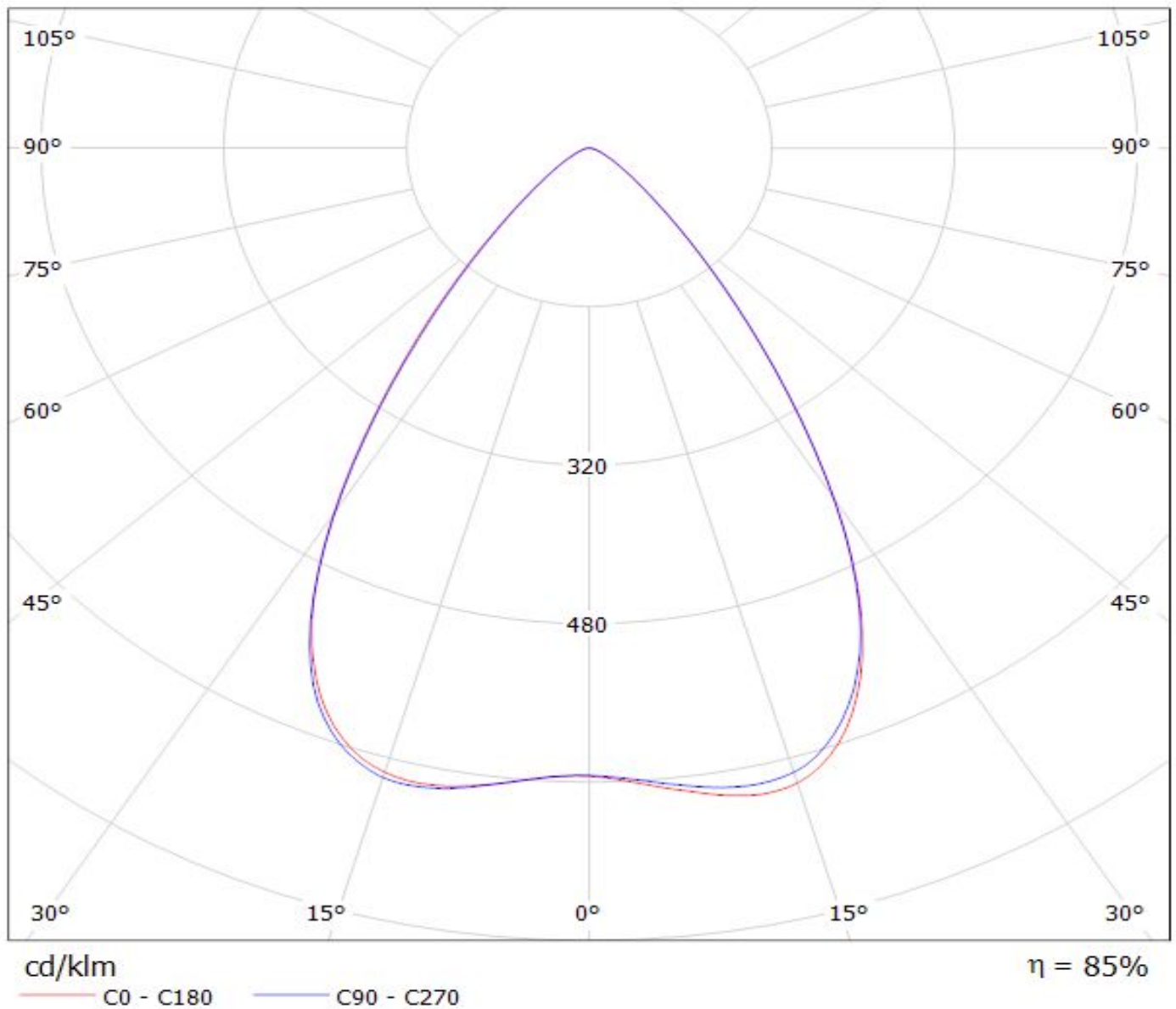
Luminaire: LEDiL Oy C12913\_LARISA-WW\_(SSL80) Eff.84.2%

Lamps: 1 x Osram SSL80 (81.3lm@250mA)



# LEDiL Oy C12913\_LARISA-WW\_(Luxeon\_A) Eff.85.5% / LDC (Polar)

Luminaire: LEDiL Oy C12913\_LARISA-WW\_(Luxeon\_A) Eff.85.5%  
Lamps: 1 x Luxeon\_A (66.4lm@250mA)



**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.**