



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## DETAILS

<b>Product Number</b>	FCN13691_ANGELINA-S
<b>Family</b>	ANGELINA
<b>Type</b>	RefPack
<b>Color</b>	metal
<b>Diameter</b>	82 mm
<b>Height</b>	36,04 mm
<b>Style</b>	round
<b>Optic Material</b>	
<b>Holder Material</b>	
<b>Fastening</b>	
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	3/11/2016



## OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
VERO29	39 deg	Spot	90 %	1.200	LEDiL: LEDiL
V10 Gen7	sim: 17	Spot	sim: 94 %	sim: 4.230	Bender Wirth: 434 Typ L1
CLL04x/CLU04x	29 deg	Spot	93 %	1.700	Bender Wirth: 431 Typ L3
LUXEON CoB 1211	26 deg	Spot	94 %	1.900	Bender Wirth: 431 Typ L3
Soleriq S19	23 deg	Spot	92 %	2.100	Bender Wirth: 462 Typ L3
MJT COB LES 22	30 deg	Spot	91 %	1.500	Bender Wirth: 431 Typ L3

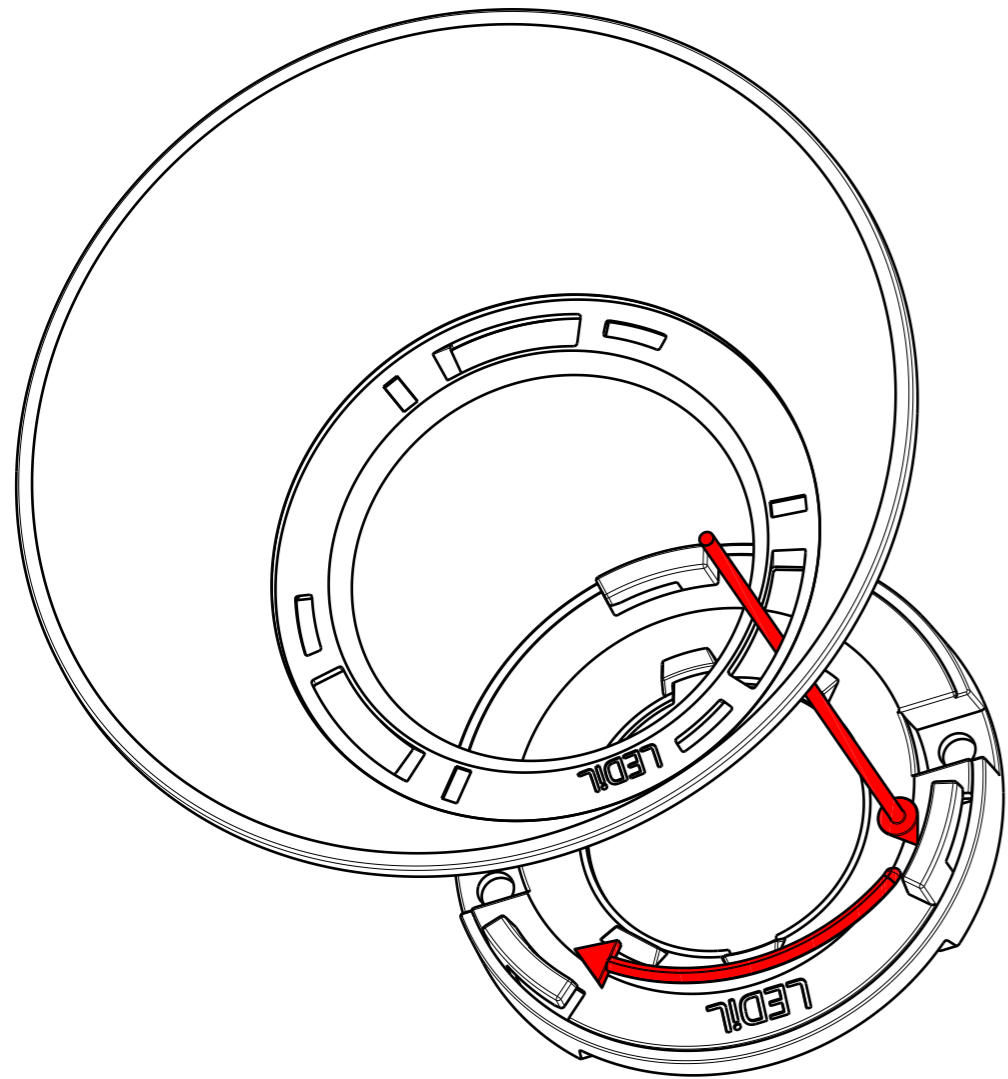
H G F E D C B A

4

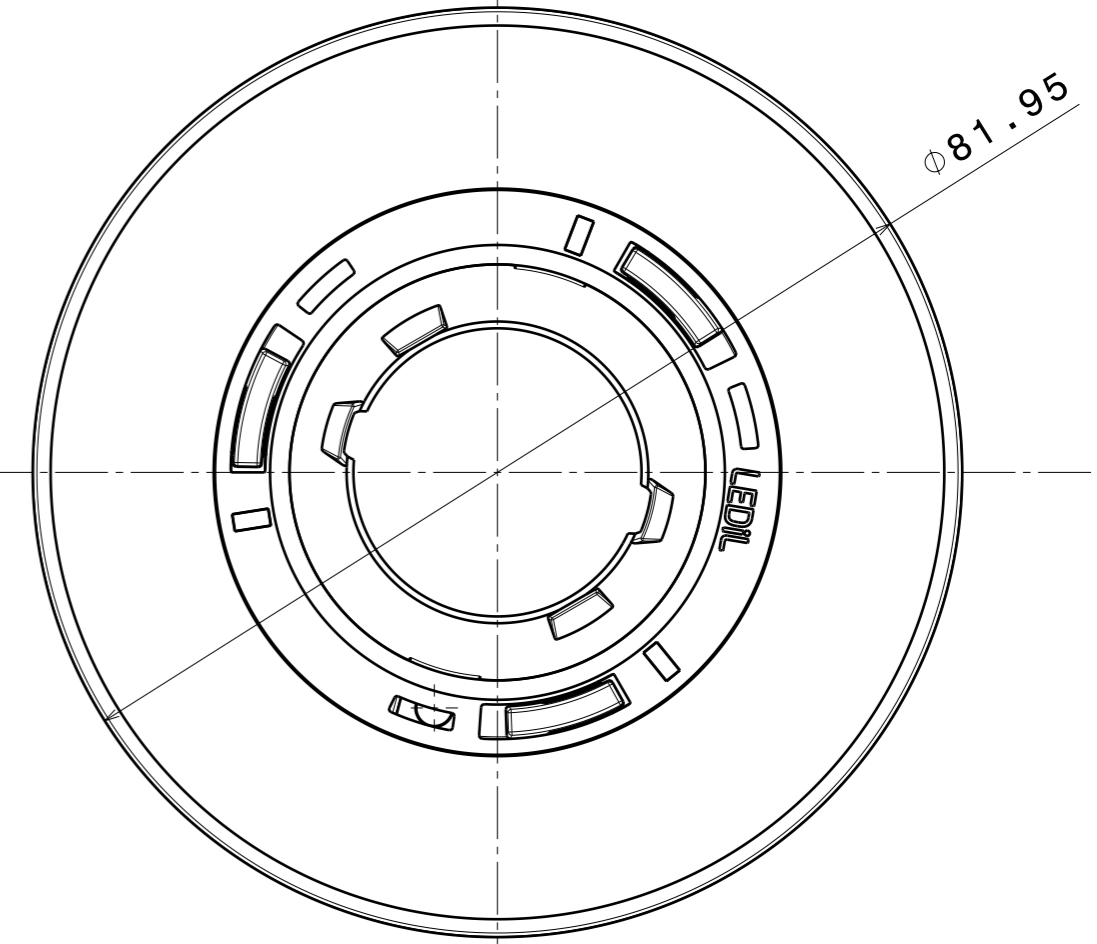
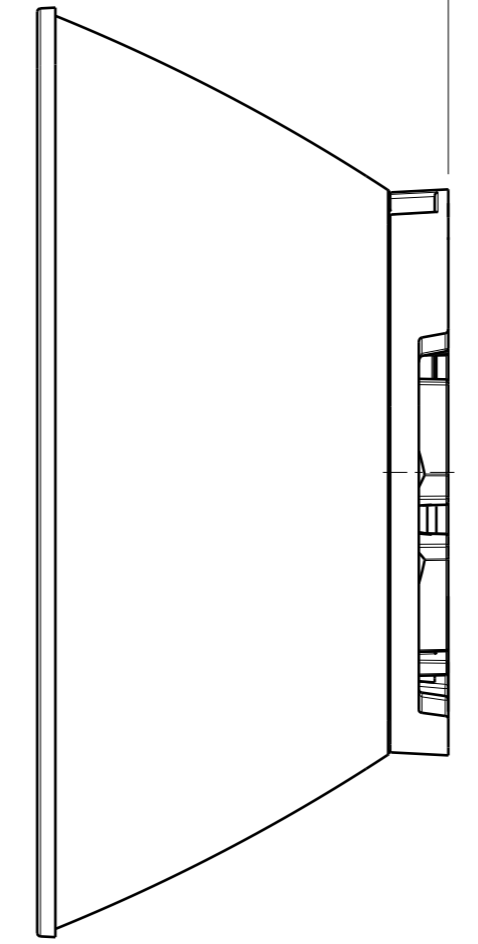
3

2

1



31 + Basepart



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  
**Datasheet\_ANGELINA + CLAMP**

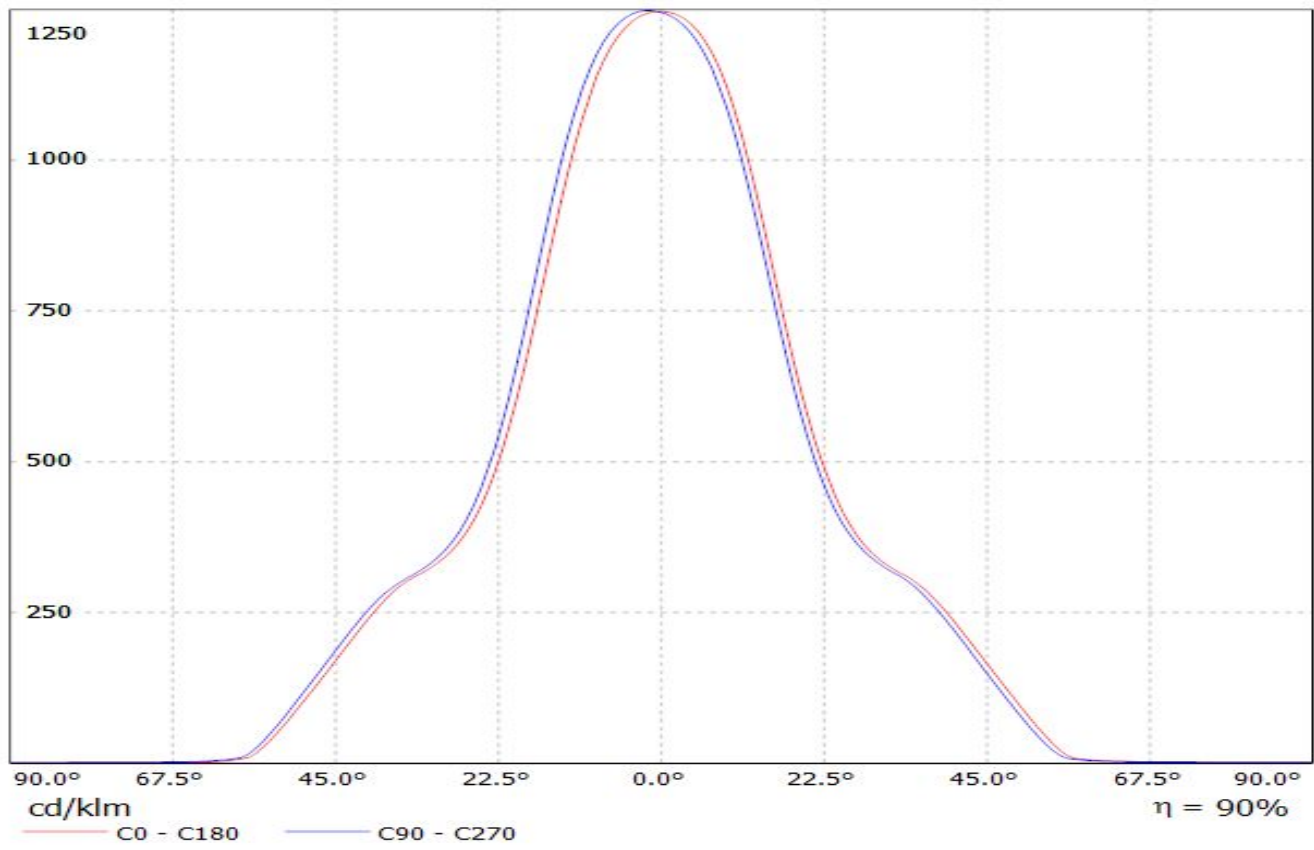
This drawing is the property  
 of LEDiL Oy. It may not be  
 reproduced, copied or  
 communicated without a written  
 agreement with LEDiL Oy.

SIZE	PART NUMBER		
A3	-		

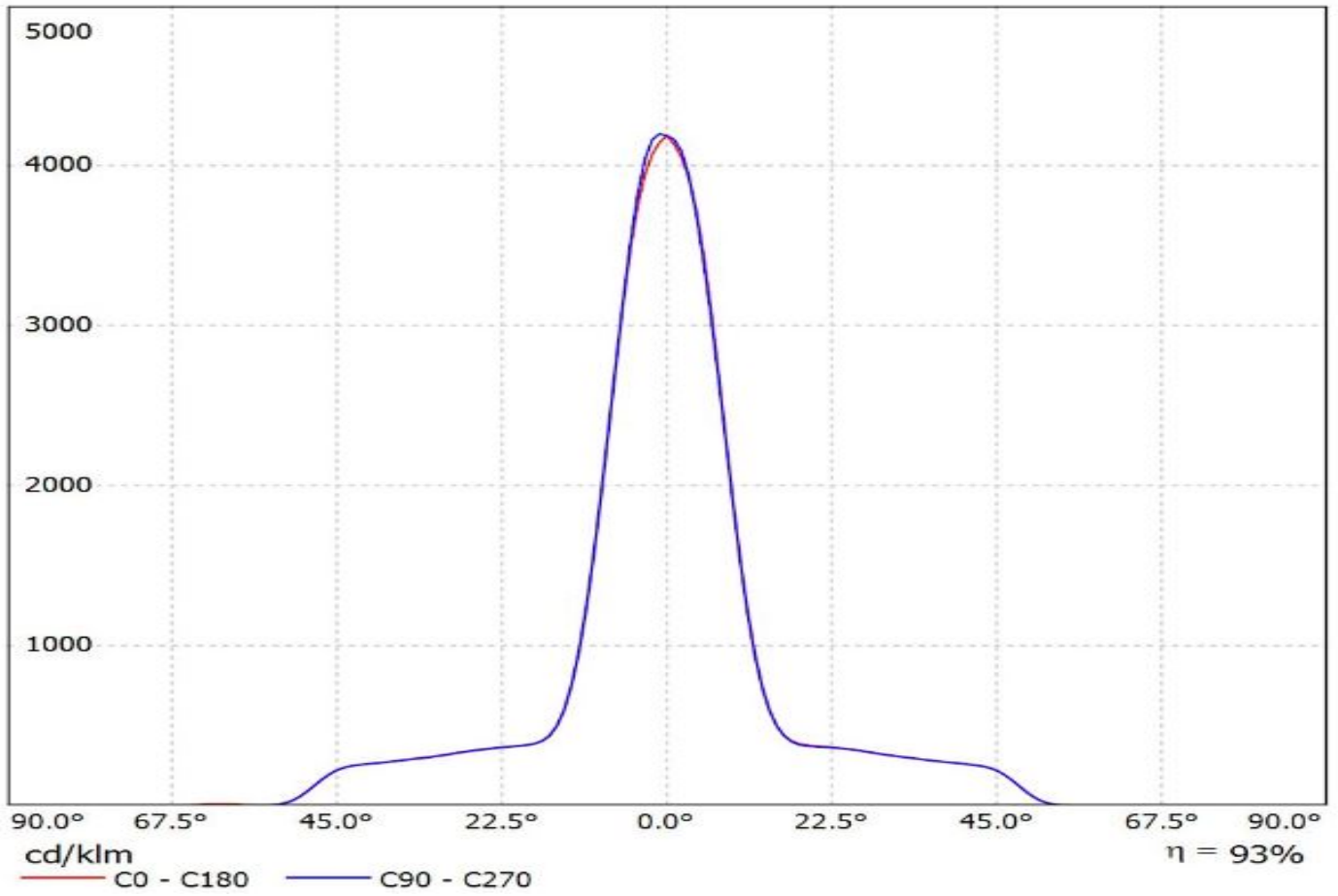
SCALE	3:2	WEIGHT	(g)	SHEET	1/1
-------	-----	--------	-----	-------	-----

H G B A

Luminaire: LEDiL Oy FCN13691\_ANGELINA-S\_(VERO29) Eff.89.6%  
Lamps: 1 x BRIDGELUX\_VERO29 (BXRC-50C10K0-L-04) 1381.64lm@250mA CCT=5000K P=9W I=250mA

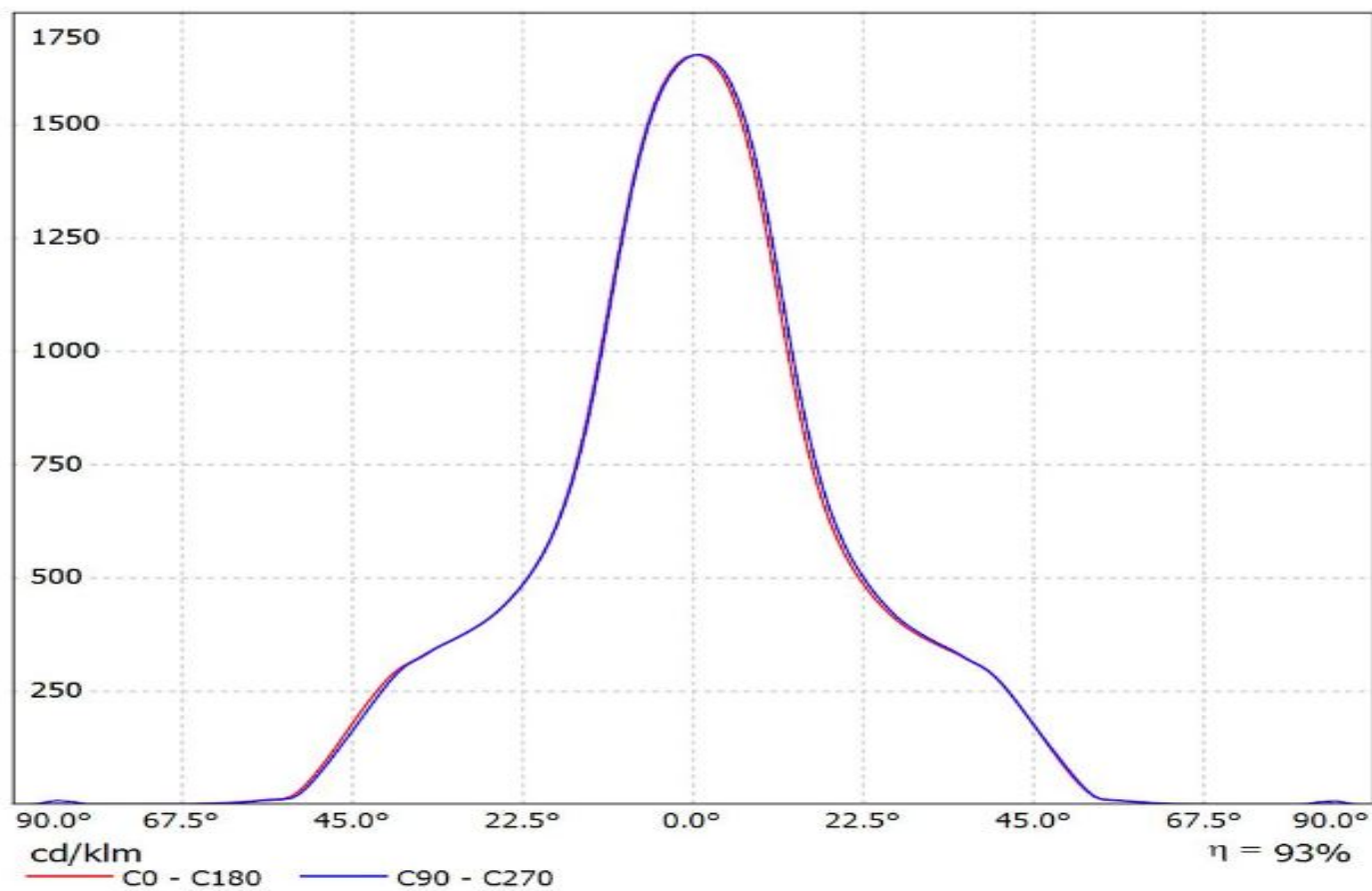


Luminaire: Ledil Oy FCN13691\_ANGELINA-S+\_B+W\_434\_TypL1\_BRIDGELUX\_V10\_Gen7\_SIMULATED  
Lamps: 1 x BRIDGELUX V10 Gen7



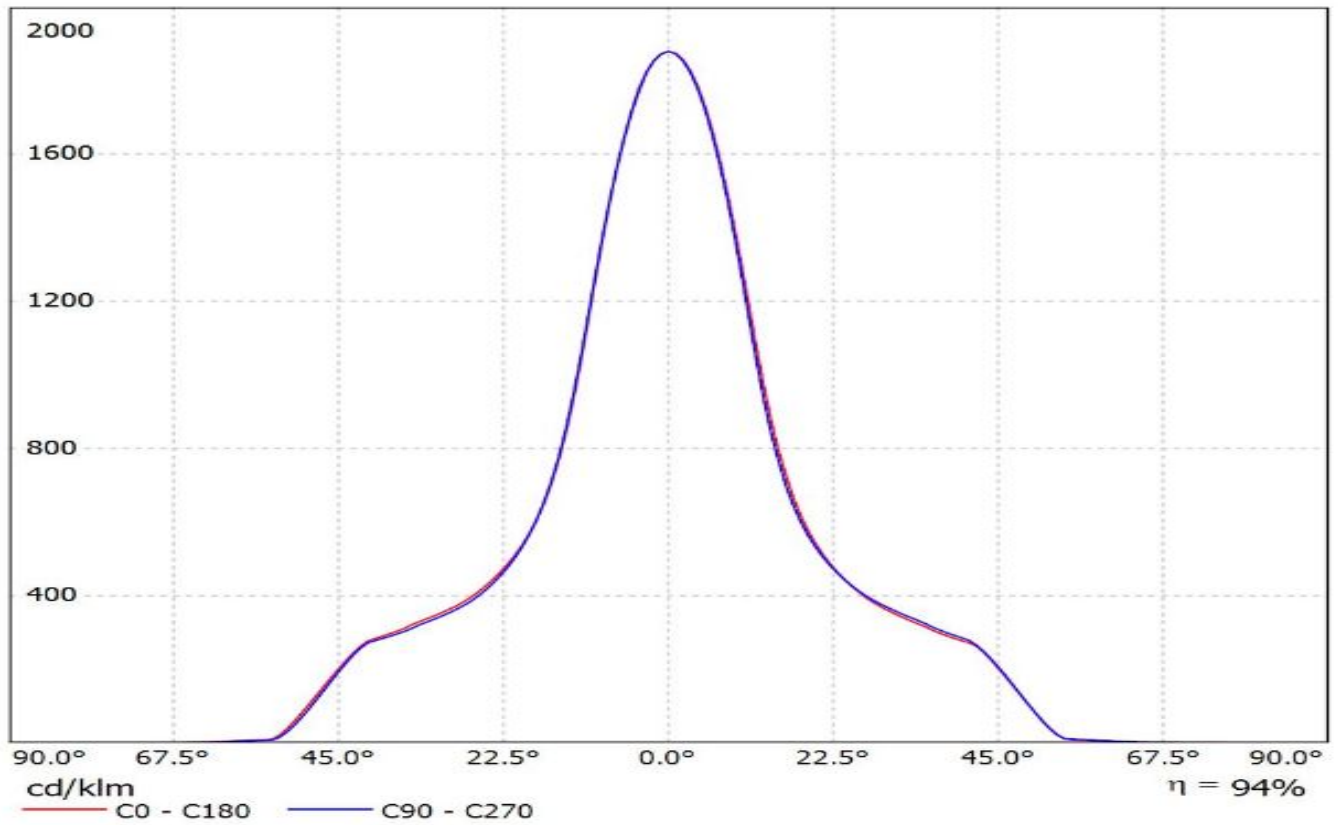
Luminaire: Ledil FCN13691\_ANGELINA-S\_(CLU044)\_ (431\_Typ\_L3)

Lamps: 1 x Citizen\_CLU044\_(CLU044-1212B8-303M1A2)\_1272.54lm@250mA\_P=8.16W\_I=0.25A



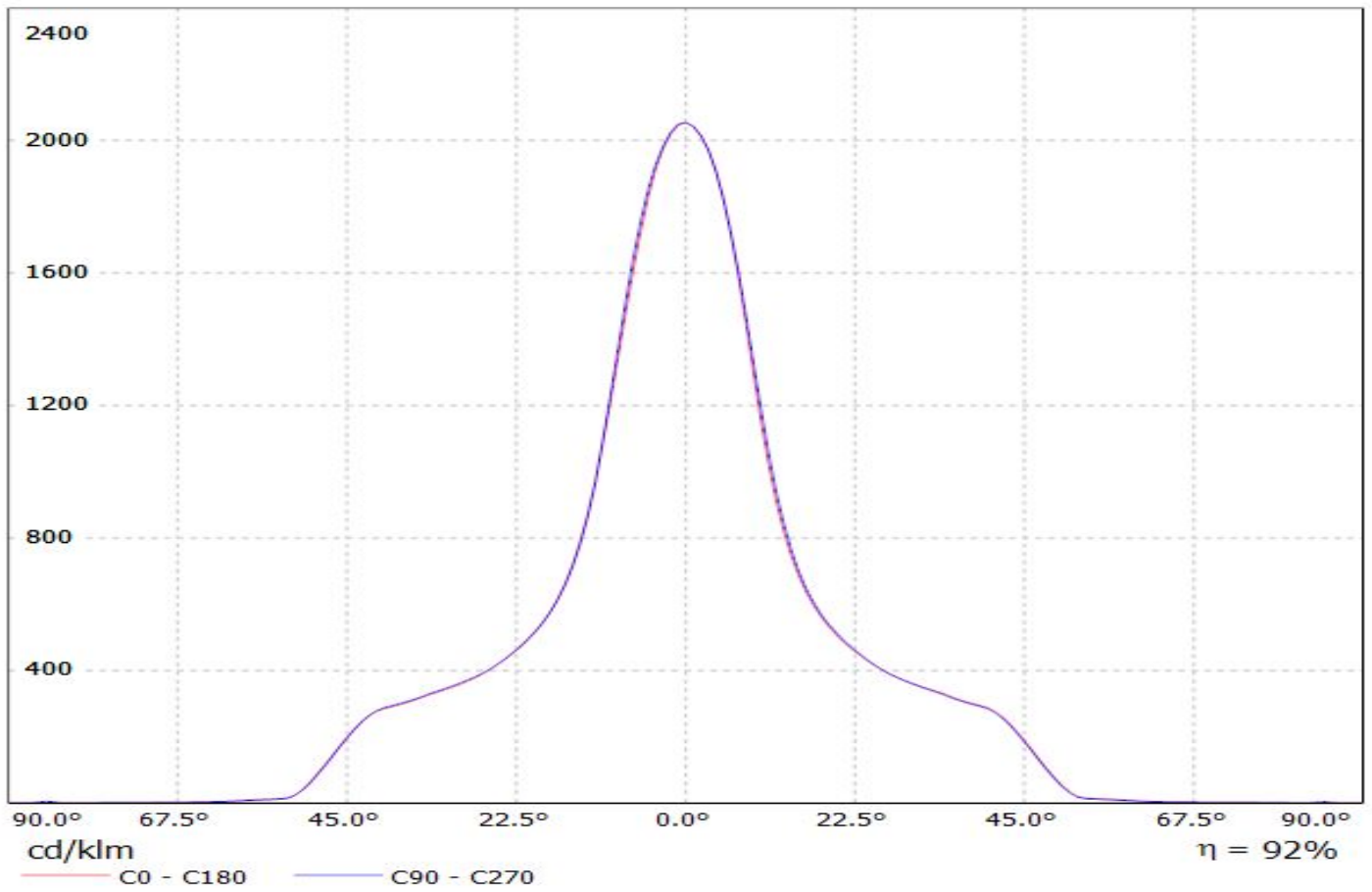
# LEDiL Oy FCN13691\_ANGELINA-S\_(CoB\_1211)\_(431\_Typ\_L3) / LDC (Linear)

Luminaire: LEDiL Oy FCN13691\_ANGELINA-S\_(CoB\_1211)\_(431\_Typ\_L3)  
Lamps: 1 x Luxeon\_CoB\_1211\_(LHC1-5780-1211)\_(431\_Typ\_L3)\_(C13584\_CLAMP-VERO29)  
\_897.994lm@250mA\_P=8W\_I=0.25A



Luminaire: LEDiL Oy FCN13691\_ANGELINA-S\_(Soleriq\_S19)\_462\_Typ\_L3

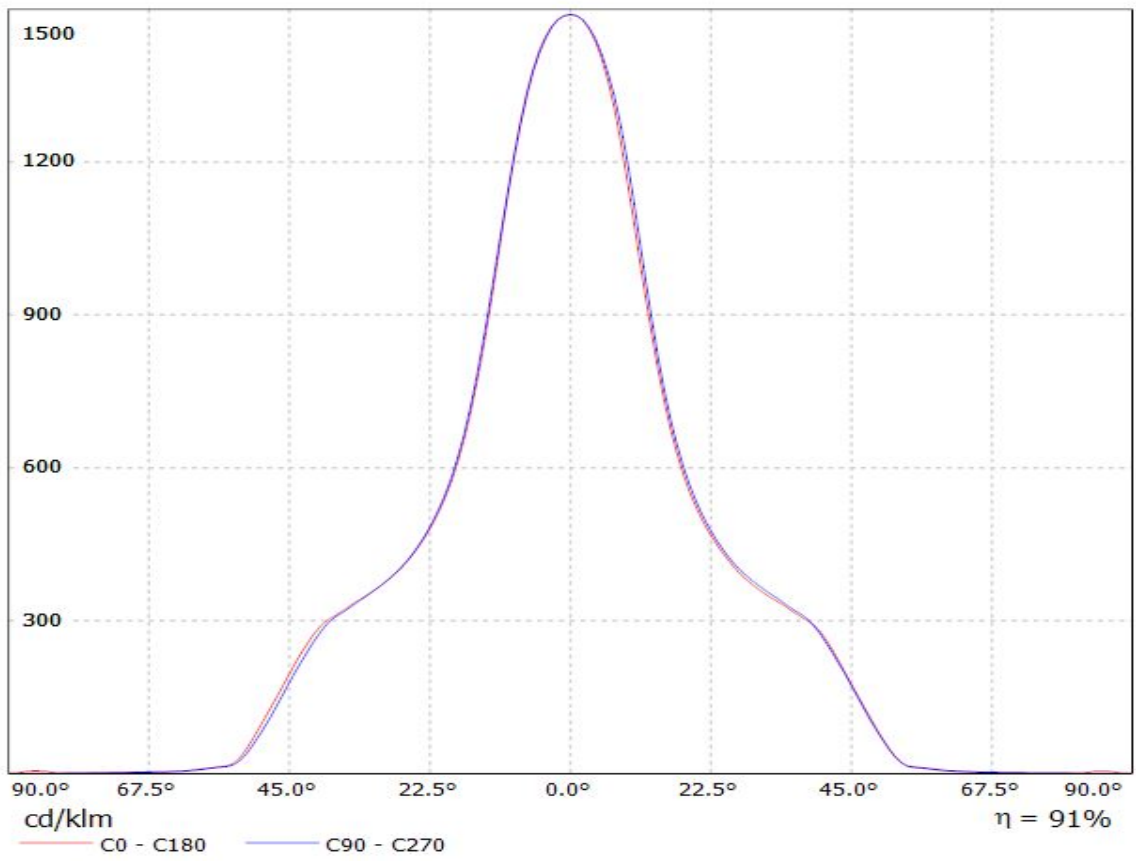
Lamps: 1 x Osram\_Soleriq\_S19\_(GW\_KAHJB1.EM)\_1497.37lm@250mA\_P=11.1223W\_I=0.2532A





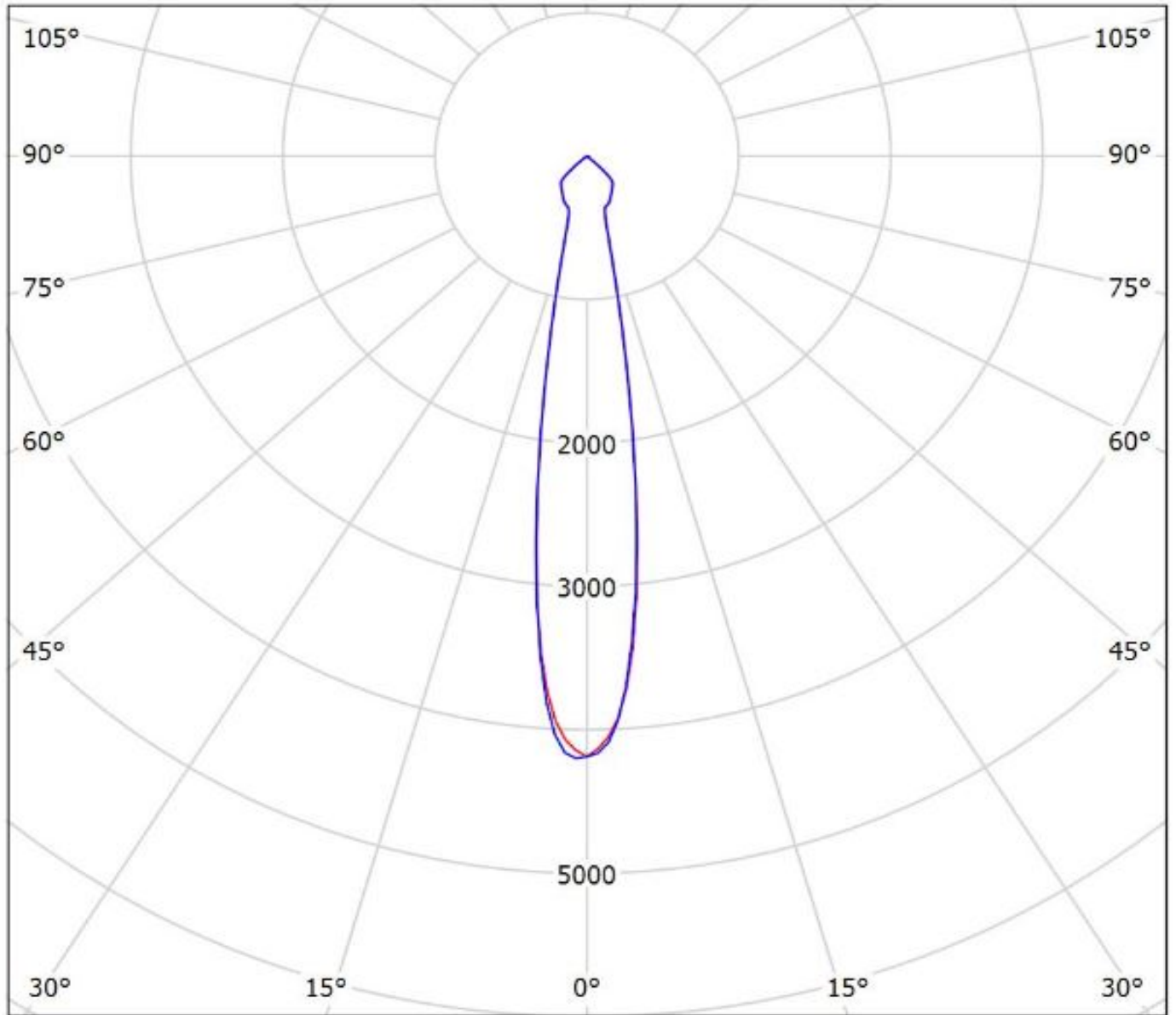
Luminaire: Ledil FCN13691\_ANGELINA-S (MJT\_80W\_Les22)\_+431TypL3

Lamps: 1 x Seoul\_MJT\_80W\_Les22mm\_(SAWx22AAA)\_+\_VERO29\_+\_431TypL3\_2407.73lm@250mA\_P=13.2662W\_I=0.25A





Luminaire: Ledil Oy FCN13691\_ANGELINA-S+\_B+W\_434\_TypL1\_BRIDGELUX\_V10\_Gen7\_SIMULATED  
Lamps: 1 x BRIDGELUX V10 Gen7



cd/klm

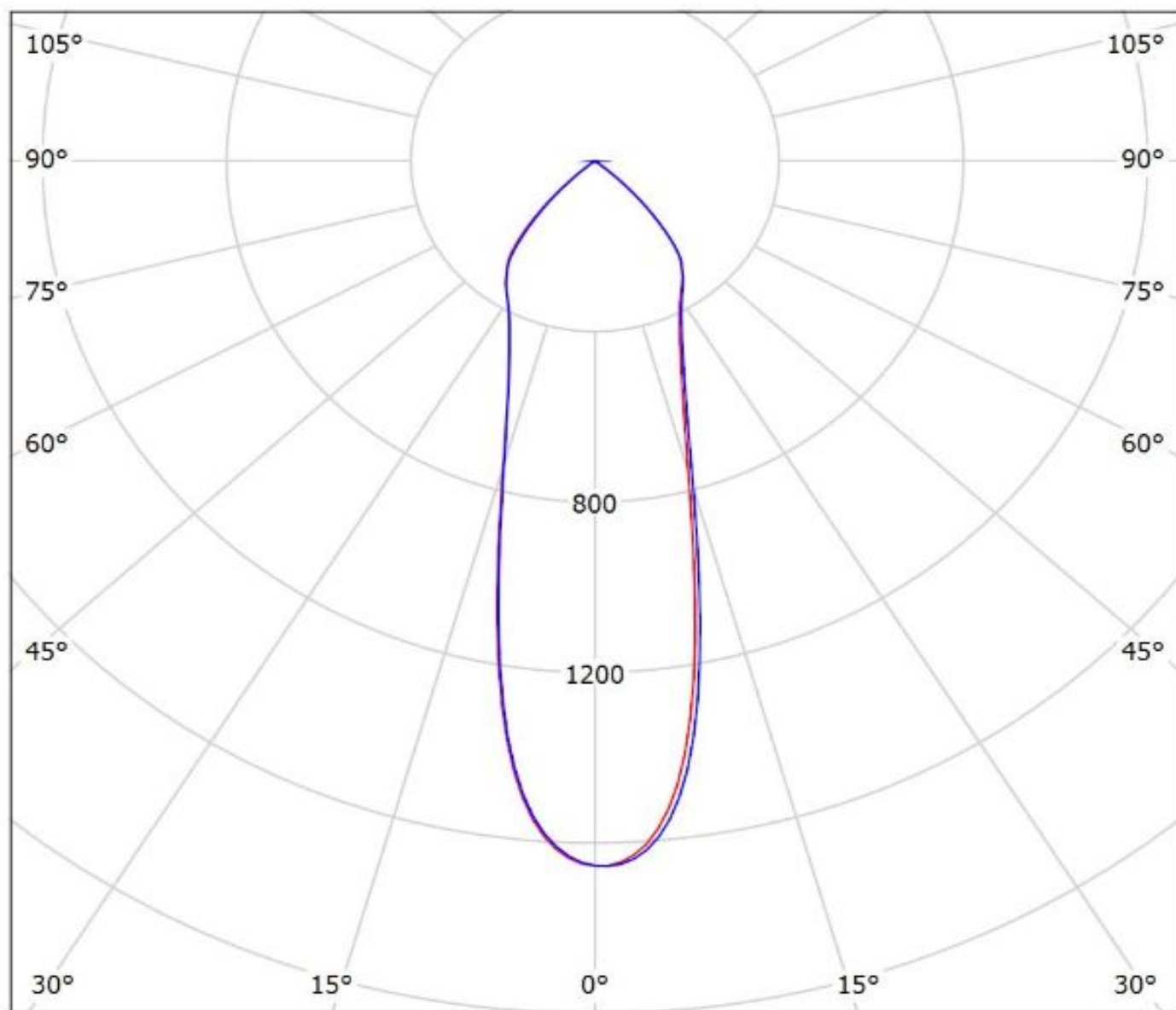
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: Ledil FCN13691\_ANGELINA-S\_(CLU044)\_ (431\_Typ\_L3)

Lamps: 1 x Citizen\_CLU044\_(CLU044-1212B8-303M1A2)\_ 1272.54lm@250mA\_P=8.16W\_I=0.25A



cd/klm

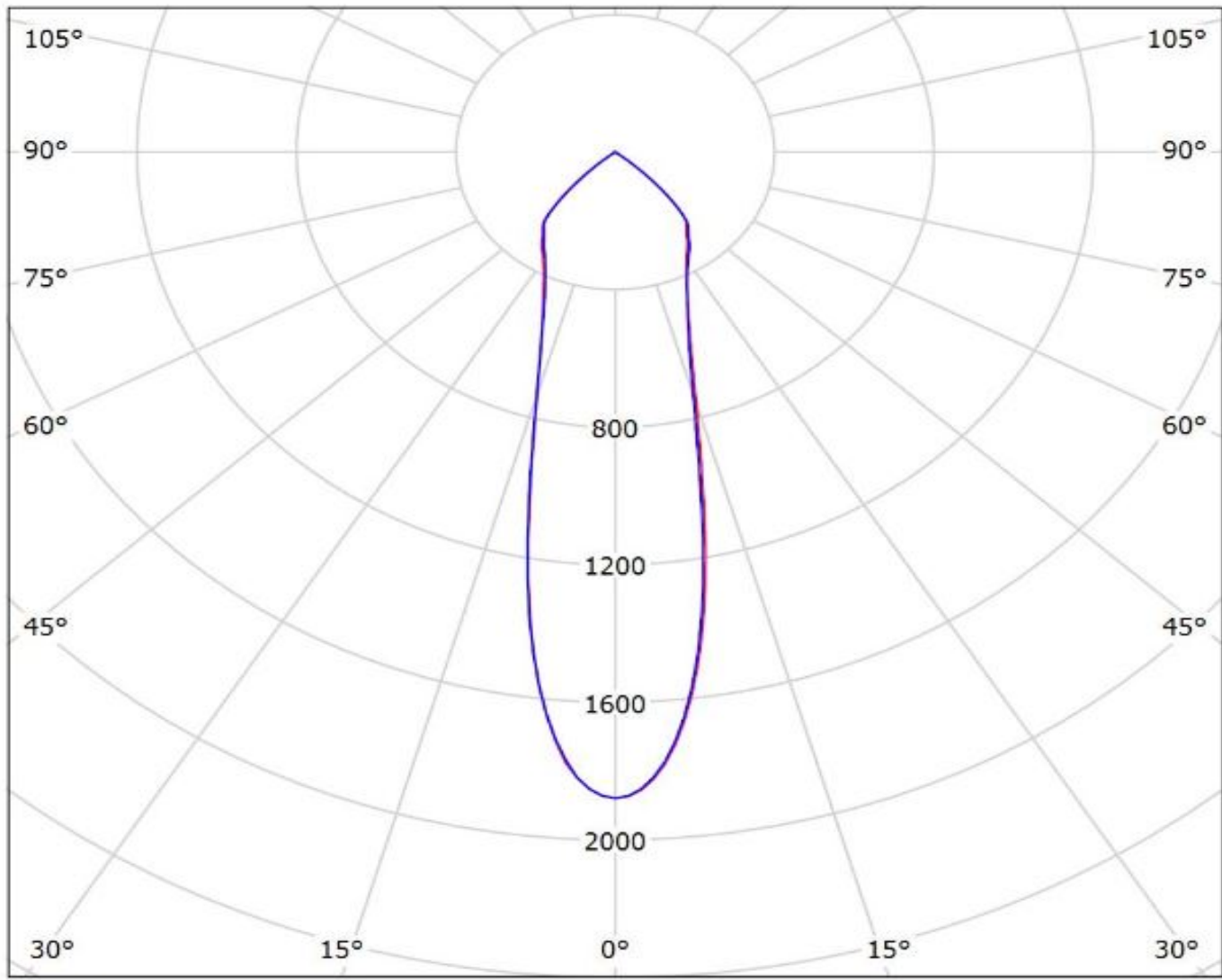
— C0 - C180

— C90 - C270

$\eta = 93\%$

# LEDiL Oy FCN13691\_ANGELINA-S\_(CoB\_1211)\_(431\_Typ\_L3) / LDC (Polar)

Luminaire: LEDiL Oy FCN13691\_ANGELINA-S\_(CoB\_1211)\_(431\_Typ\_L3)  
Lamps: 1 x Luxeon\_CoB\_1211\_(LHC1-5780-1211)\_(431\_Typ\_L3)\_(C13584\_CLAMP-VERO29)  
\_897.994lm@250mA\_P=8W\_I=0.25A

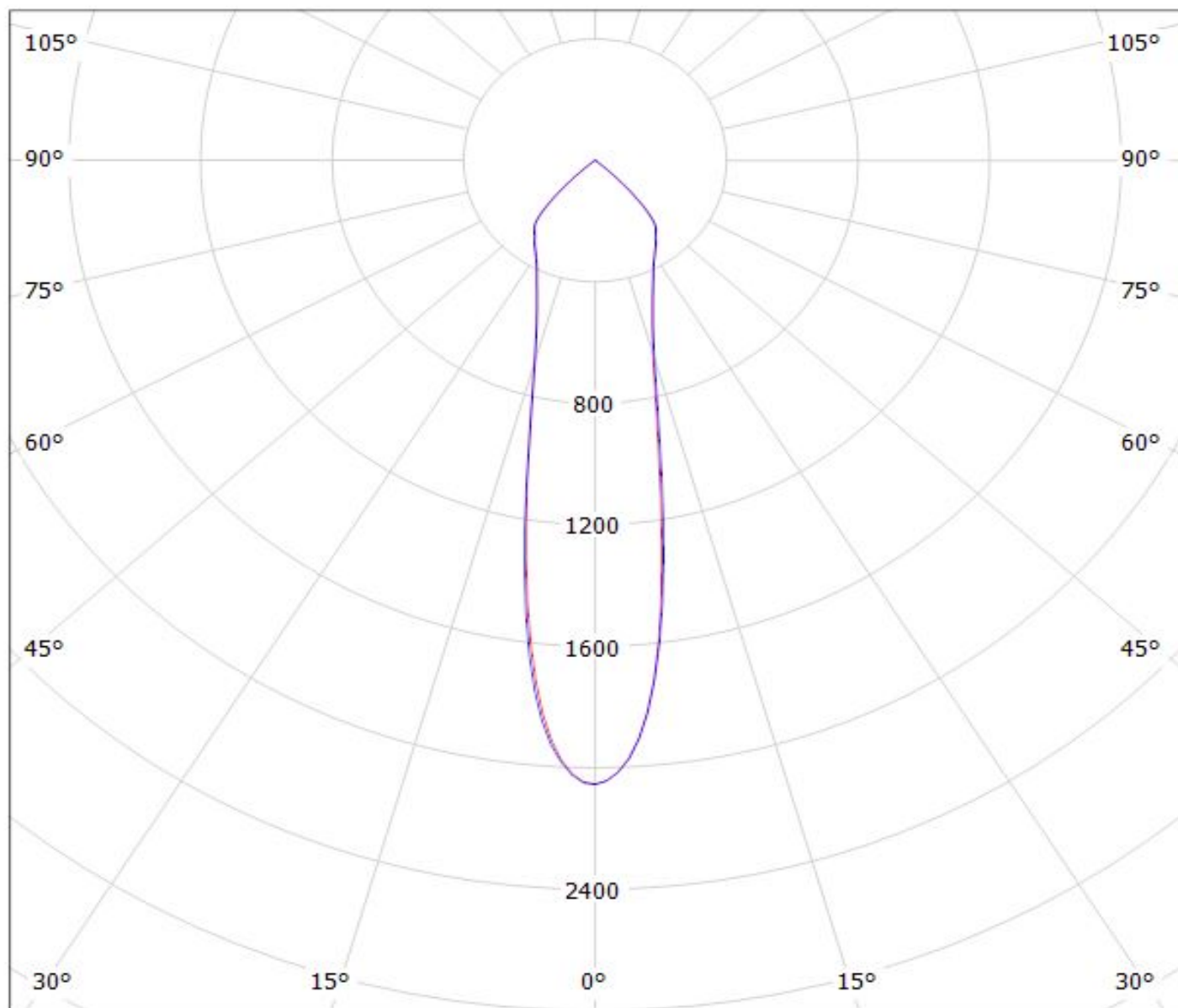


cd/klm  
— C0 - C180    — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy FCN13691\_ANGELINA-S\_(Soleriq\_S19)\_462\_Typ\_L3

Lamps: 1 x Osram\_Soleriq\_S19\_(GW\_KAHJB1.EM)\_1497.37lm@250mA\_P=11.1223W\_I=0.2532A



cd/klm

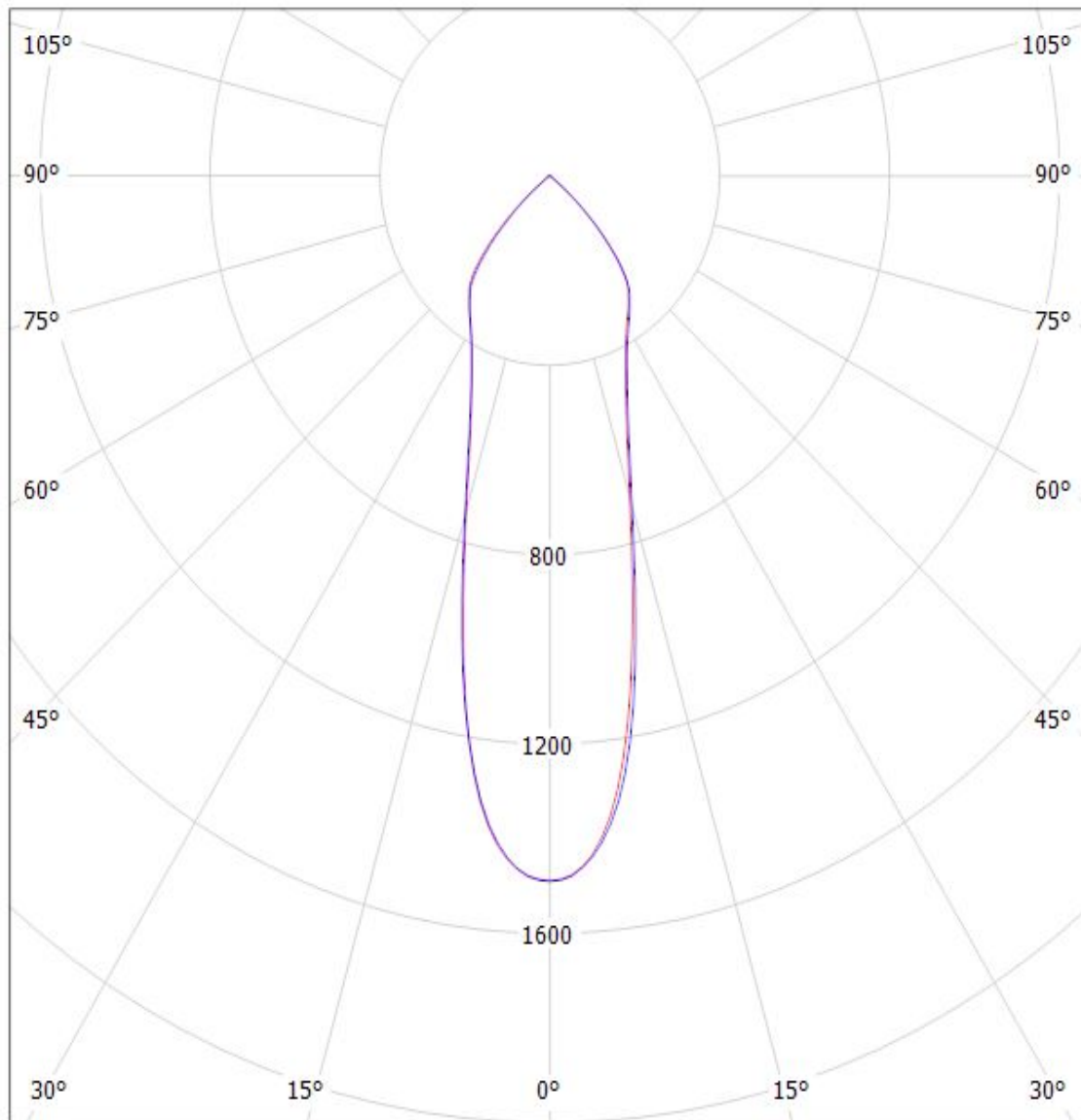
— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: Ledil FCN13691\_ANGELINA-S\_(MJT\_80W\_Les22)\_+431TypL3

Lamps: 1 x Seoul\_MJT\_80W\_Les22mm\_(SAWx22AAA)\_+\_VERO29\_+\_431TypL3\_2407.73lm@250mA\_P=13.2662W\_I=0.25A



cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

**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.**

### **GENERAL INFORMATION**

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.

Note! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.