

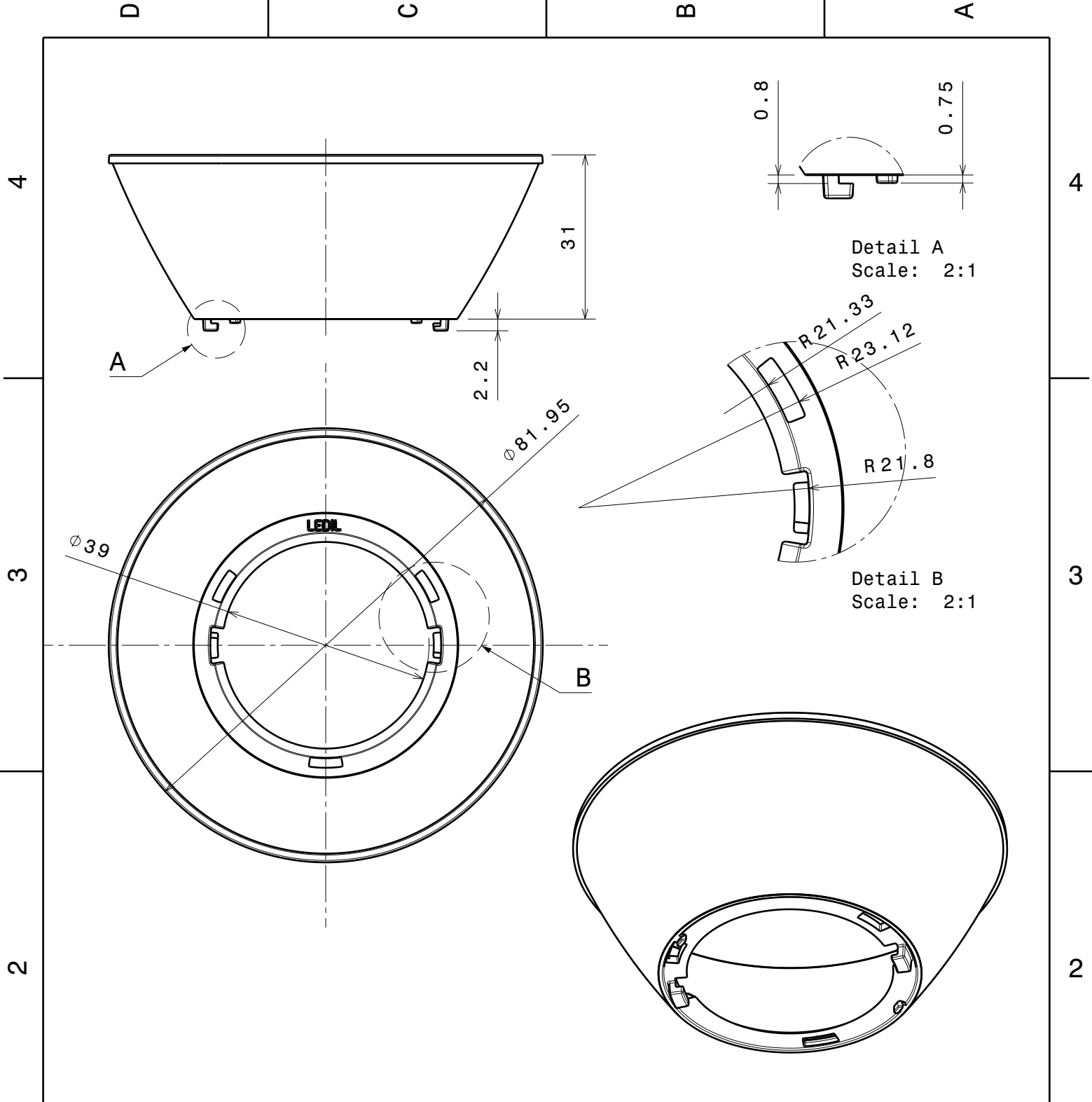
## DETAILS

<b>Product Number</b>	F13661_ANGELINA-W-B
<b>Family</b>	ANGELINA
<b>Type</b>	Reflector
<b>Color</b>	metal
<b>Diameter</b>	82 mm
<b>Height</b>	31 mm
<b>Style</b>	round
<b>Optic Material</b>	PC
<b>Holder Material</b>	
<b>Fastening</b>	
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	13/06/2014



## OPTICAL PROPERTIES

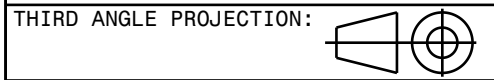
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	connector
LUXEON K16	(simulated) 46		-	(simulated) 0.000	Solderless Connector 47.319.2070 BJB
CLL04x/CLU044	(simulated) 52		(simulated) 95 %	(simulated) 1.100	Solderless Connector 47.319.2030 BJB
COB 10W/13W/17W/24W	(simulated) 53		-	(simulated) 0.000	Solderless Connector 47.319.2080 BJB
LUXEON K12	(simulated) 46		-	(simulated) 0.000	Solderless Connector 47.319.2070 BJB
CLL03x/CLU034	49 degrees		92 %	1.000	Solderless Connector 47.319.2020 BJB
CXM-14	51 degrees		93 %	0.970	Solderless Connector 47.319.2020 BJB
Soleriq S13	52 degrees		94 %	0.950	8502/G2 A.A.G. STUCCHI
Soleriq E30	54 degrees		90 %	0.940	Solderless Connector 47.319.2010 BJB
Soleriq S19	55 degrees		93 %	0.900	8503/G2 A.A.G. STUCCHI
Soleriq S19	55 degrees		93 %	0.900	Solderless Connector 47.319.2170 BJB
CXM-22	63 degrees		92 %	0.800	Solderless Connector 47.319.2030 BJB



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1		ANGELINA-B	PC	metal

Tolerances if not otherwise shown  
 According to DIN ISO 2768-1  
 Linear measures:  
 Up to 30mm class F, otherwise class M.  
 According to DIN ISO 2768-2  
 Form and position: class K

**LEDiL** Ledil Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland



DRAWING TITLE  
**ANGELINA-B series Reflector**

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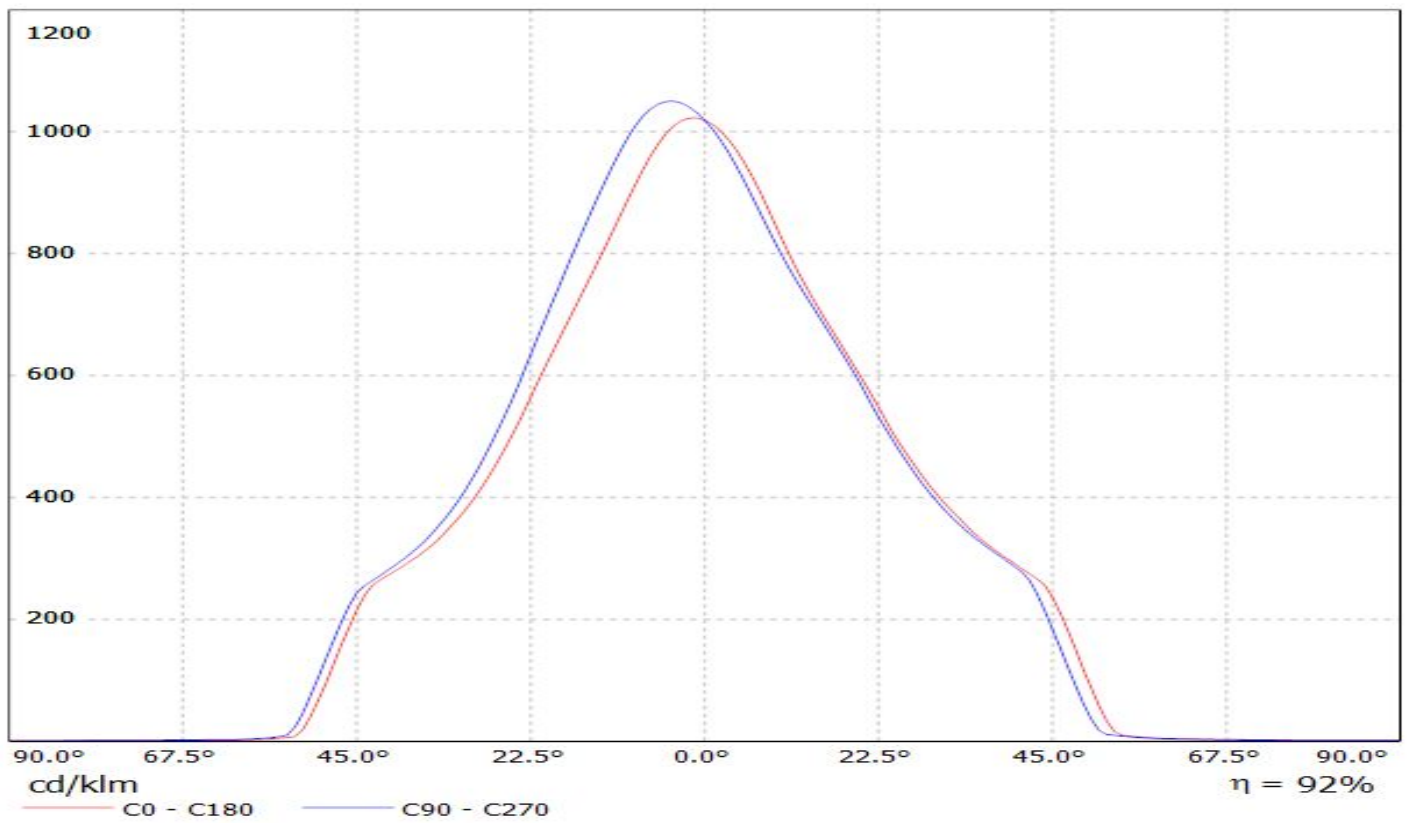
SIZE	PART NUMBER
A4	-

SCALE	1:1	WEIGHT	-	SHEET	1/1
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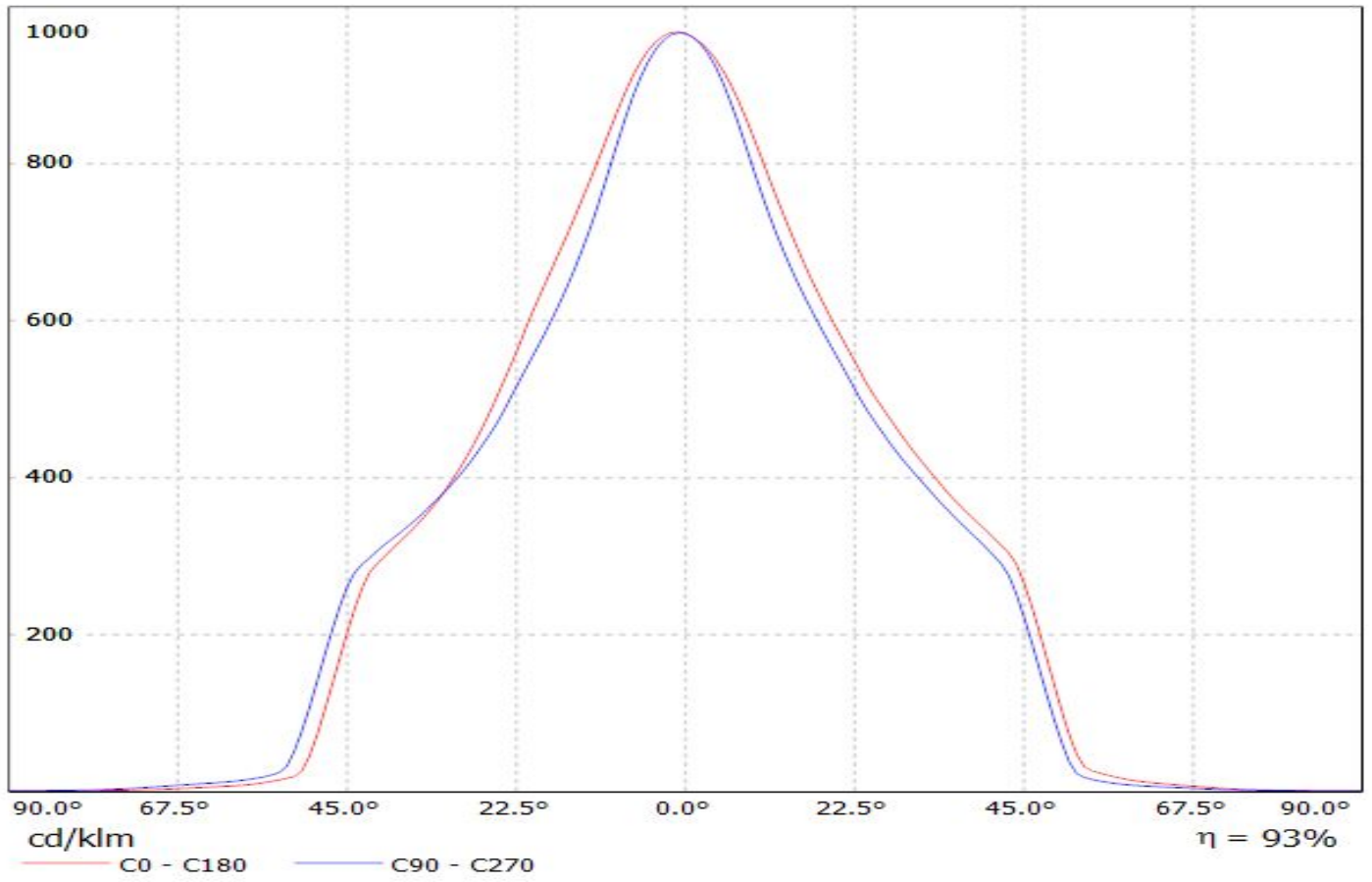
# LEDiL Oy C13661\_ANGELINA-W-B\_(CLL030) Eff.92.0% / LDC (Linear)

Luminaire: LEDiL Oy C13661\_ANGELINA-W-B\_(CLL030) Eff.92.0%

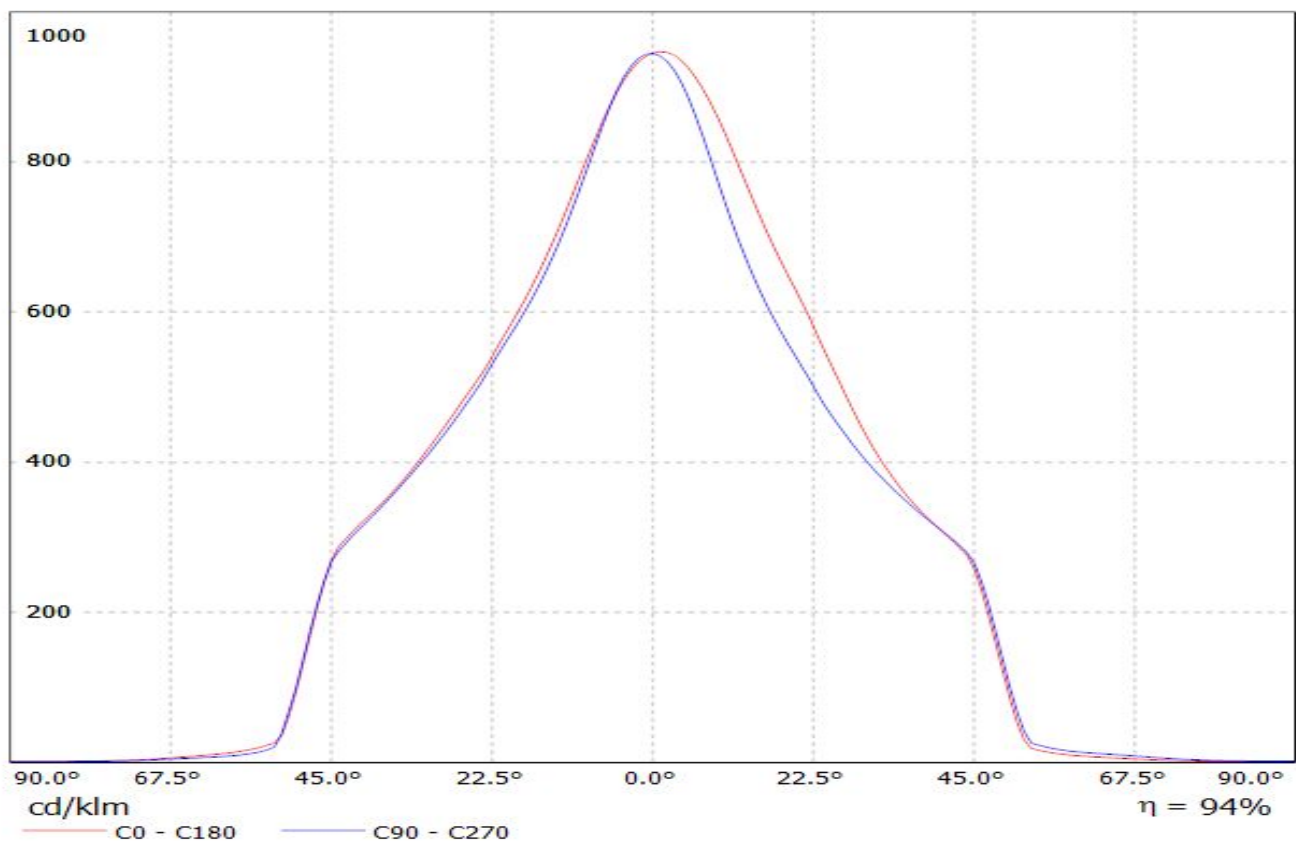
Lamps: 1 x CITIZEN\_CLL030\_(CLL030-1205A5-303H1A7) 797.292lm@250mA CCT=3000K P=8.65307W I=249.8mA



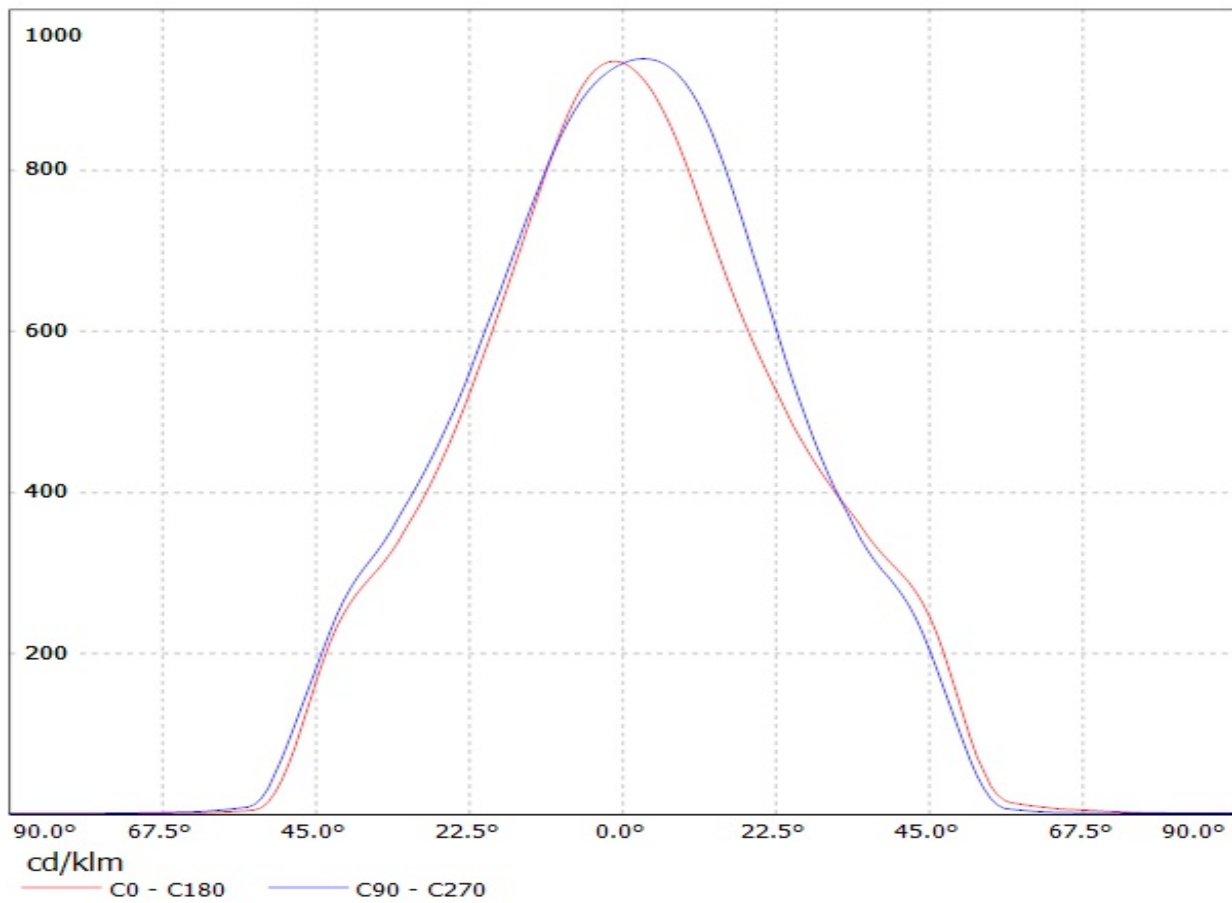
Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CXM-14)  
Lamps: 1 x LUMINUS\_XNOVA\_CXM-14\_(AC00)  
\_1049.18lm@250mA\_CCT=3126K\_P=8.31834W\_I=249.8mA



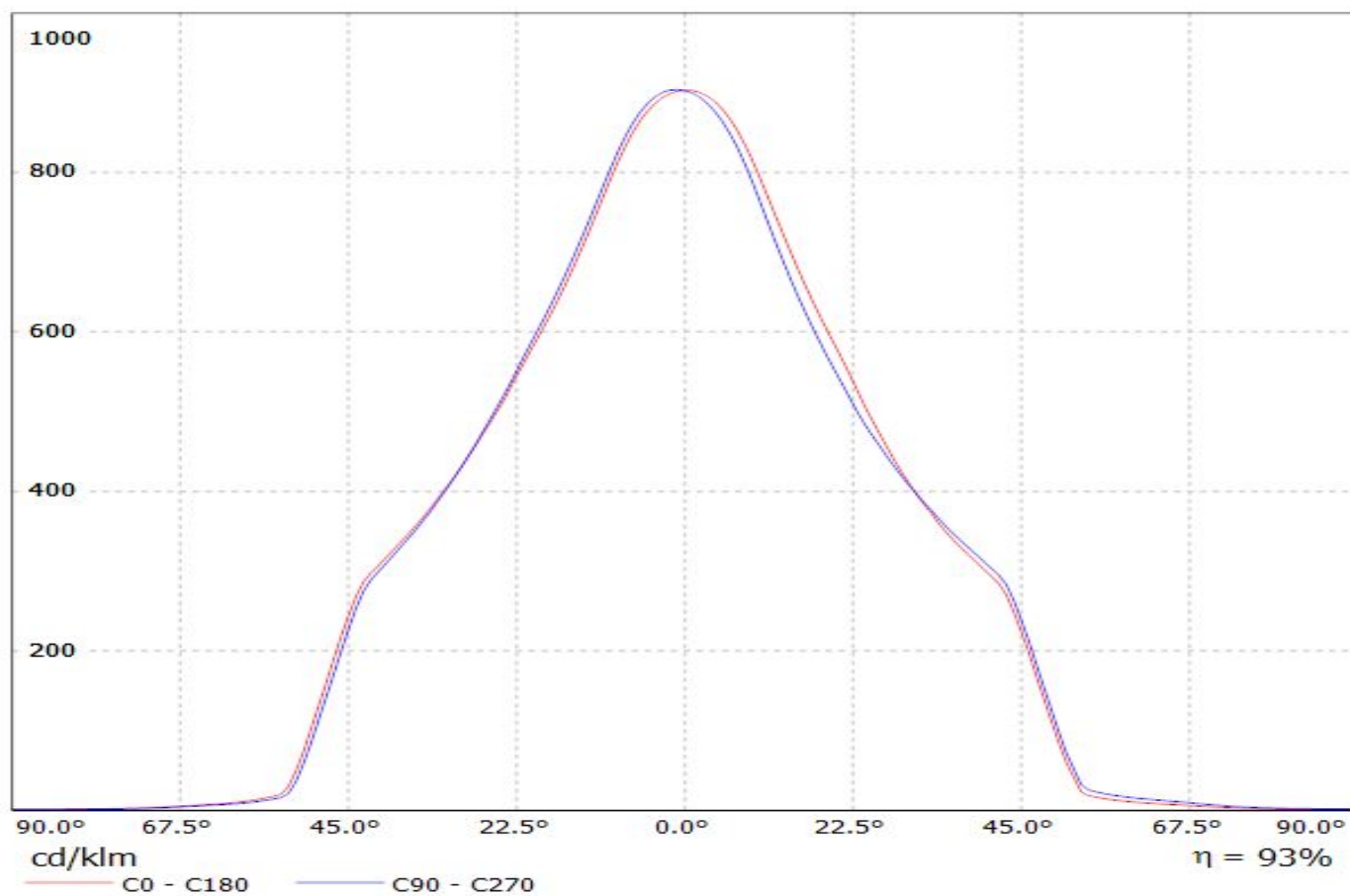
Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(Soleriq\_S13) Eff.94.0%  
Lamps: 1 x Osram\_Soleriq\_S13\_825.418lm@250mA\_CCT=3125K\_P=7.33663W\_I=249.8mA



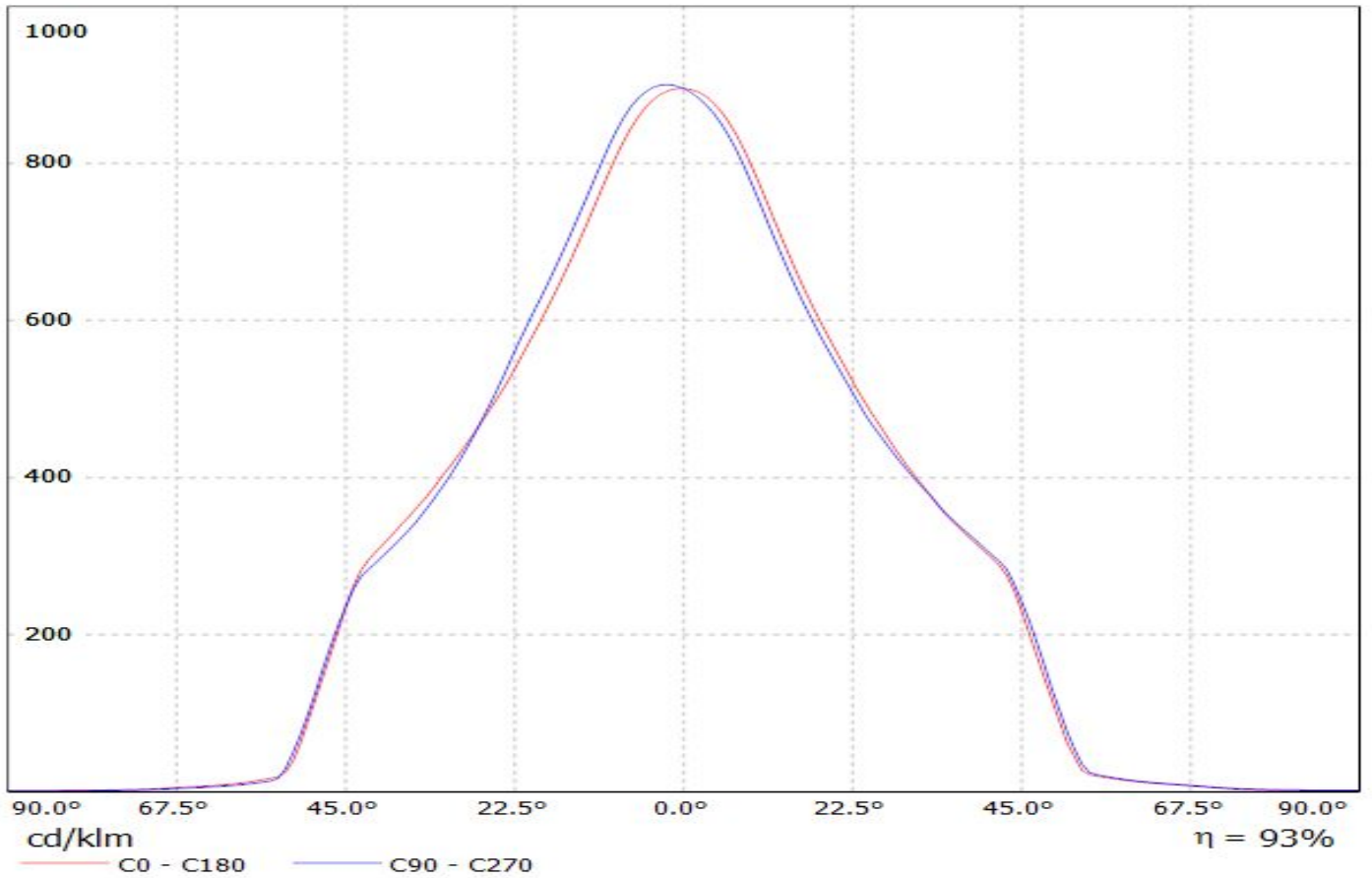
Luminaire: LEDiL Oy C13661\_ANGELINA-W-B\_(Soleriq-E30) Eff: 90%  
Lamps: 1 x Osram Soleriq E30 (QW KAJRB2.EM-TPTR-50H4) 1358.6lm@250mA\_P=10.2338W\_I=0.2498mA



Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(S19) Eff.93.0%  
Lamps: 1 x Osram\_SOLERIQ\_S19\_1434.85lm@250mA\_P=10.5595W\_I=249.8mA

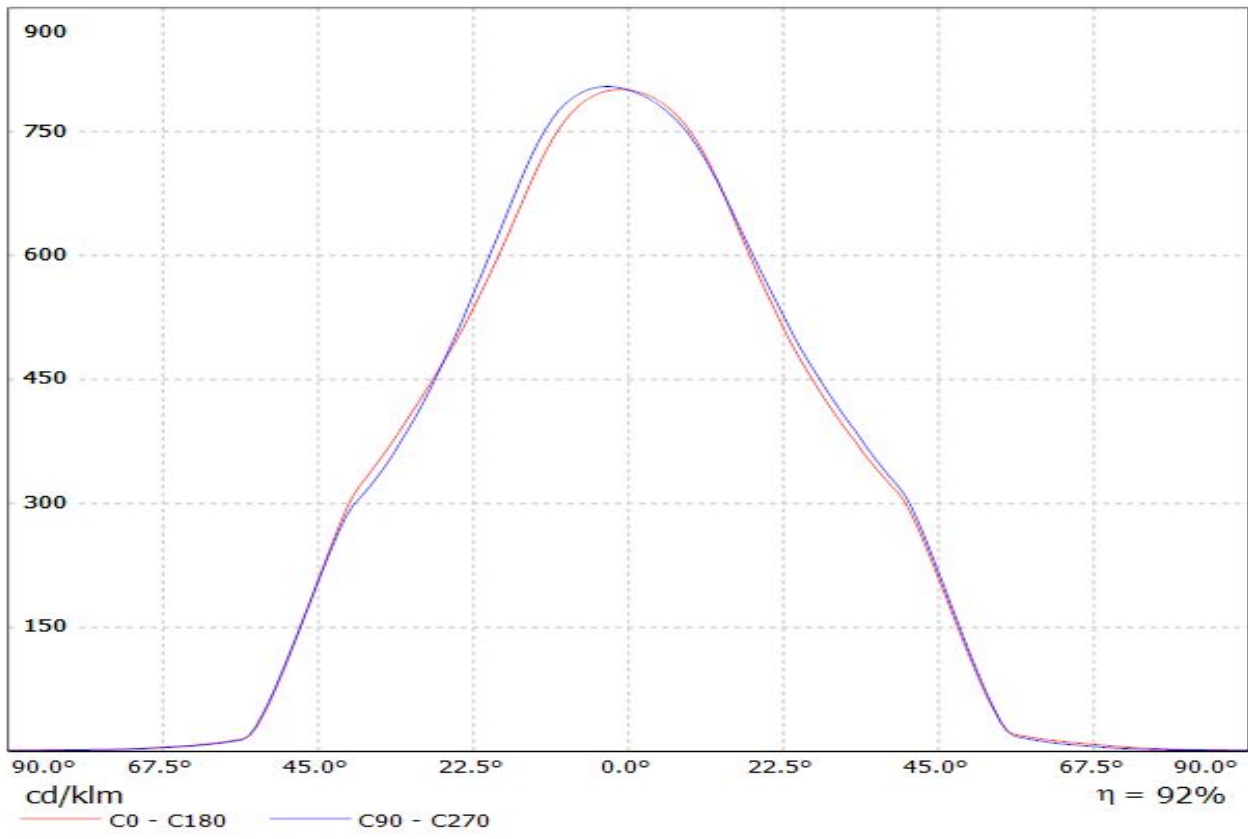


Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(Soleriq S19) Eff.90.0%  
Lamps: 1 x OSRAM\_SOLERIQ\_S19\_(GW\_KAHJB1.EM)  
\_1445.44lm@250mA\_CCT=3000K\_P=10.558W\_I=249.8mA





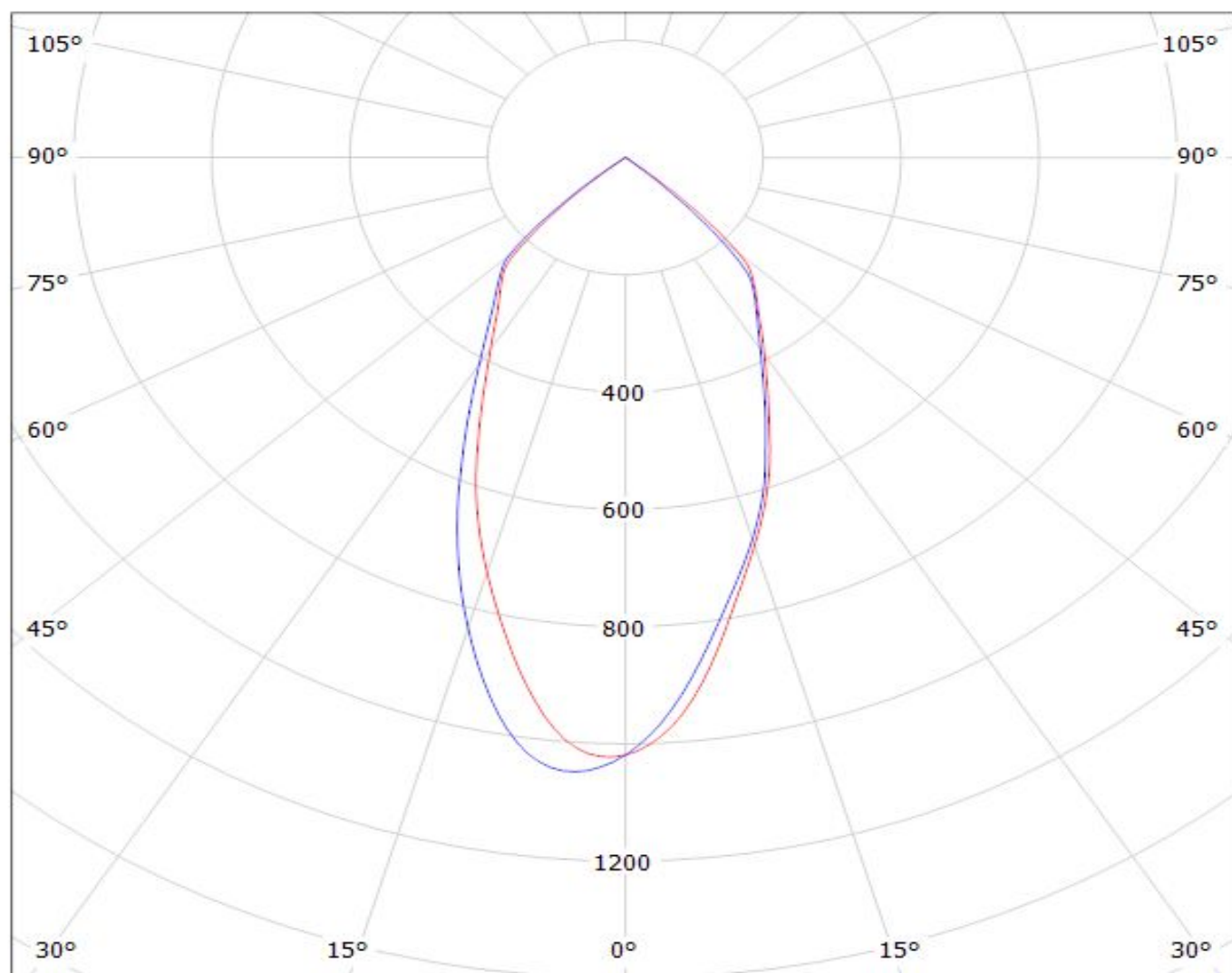
Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CXM-22) Eff 91.6%  
Lamps: 1 x LUMINUS\_CXM-22\_1221.8lm@250mA\_P=8.00809W\_CCT=3000K\_I=249.8mA



# LEDiL Oy C13661\_ANGELINA-W-B\_(CLL030) Eff.92.0% / LDC (Polar)

Luminaire: LEDiL Oy C13661\_ANGELINA-W-B\_(CLL030) Eff.92.0%

Lamps: 1 x CITIZEN\_CLL030\_(CLL030-1205A5-303H1A7) 797.292lm@250mA CCT=3000K P=8.65307W I=249.8mA



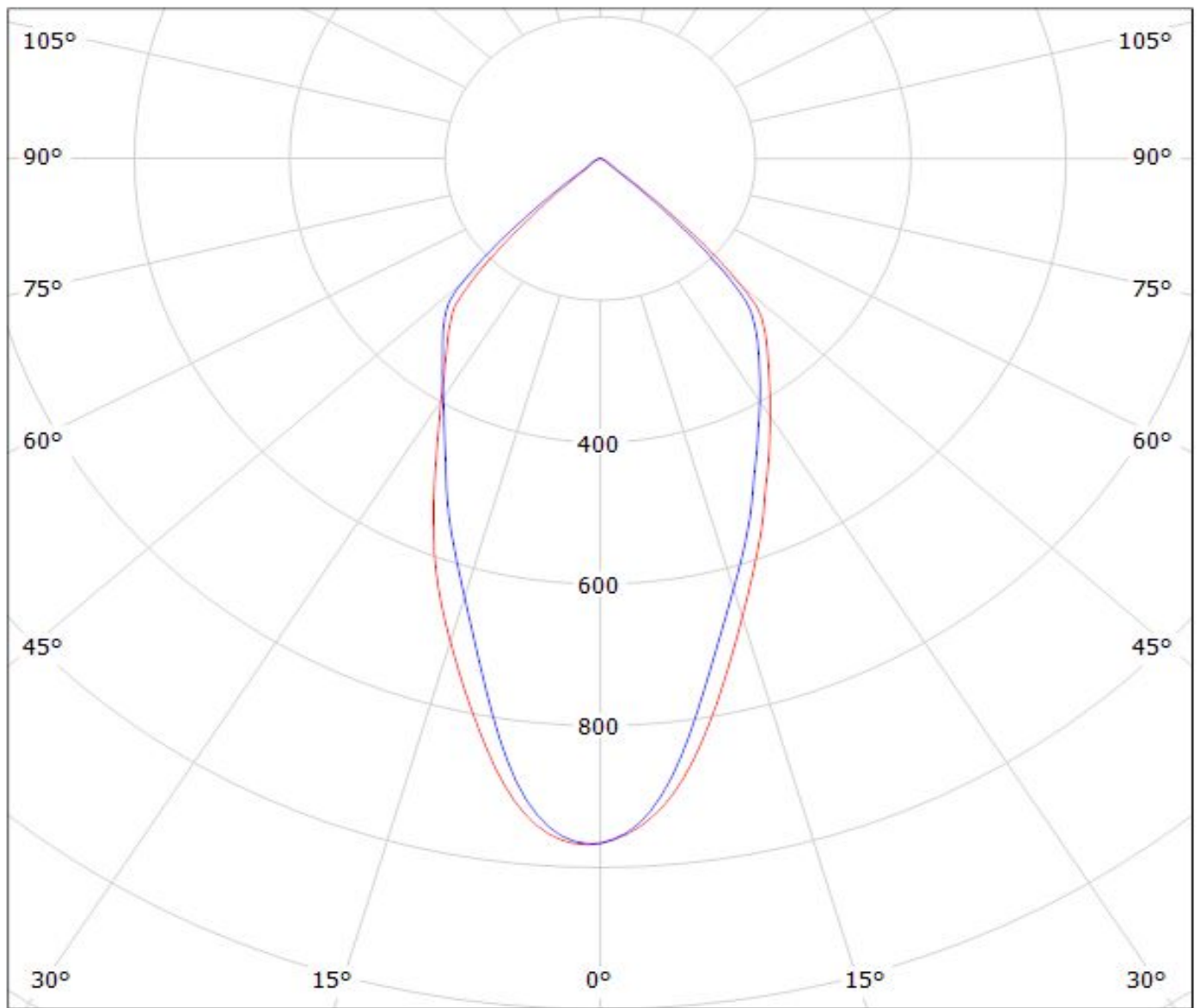
cd/klm

— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CXM-14)  
Lamps: 1 x LUMINUS\_XNOVA\_CXM-14\_(AC00)  
\_1049.18lm@250mA\_CCT=3126K\_P=8.31834W\_I=249.8mA



cd/klm

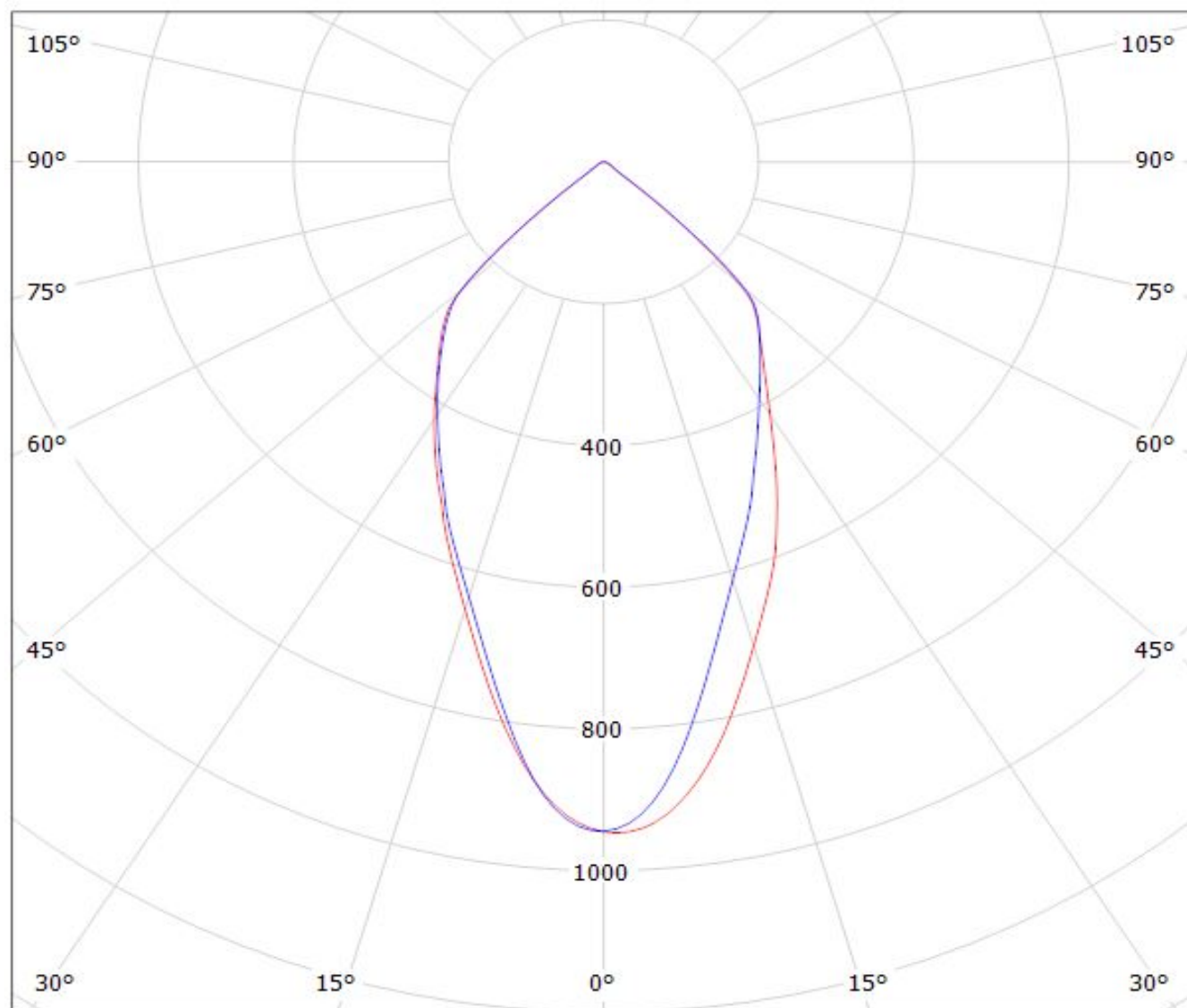
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(Soleriq\_S13) Eff.94.0%

Lamps: 1 x Osram\_Soleriq\_S13\_825.418lm@250mA\_CCT=3125K\_P=7.33663W\_I=249.8mA



cd/klm

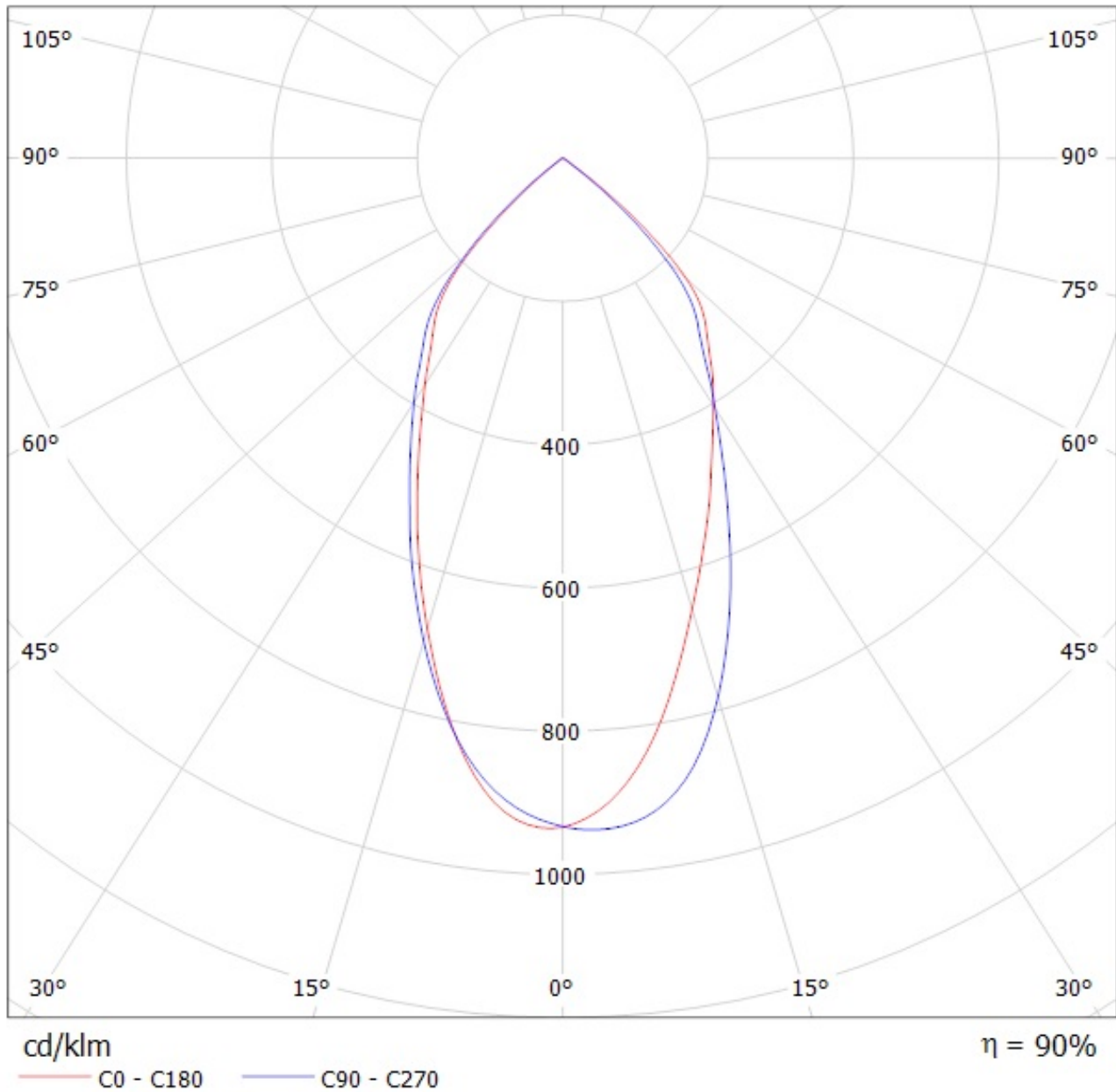
— C0 - C180

— C90 - C270

$\eta = 94\%$

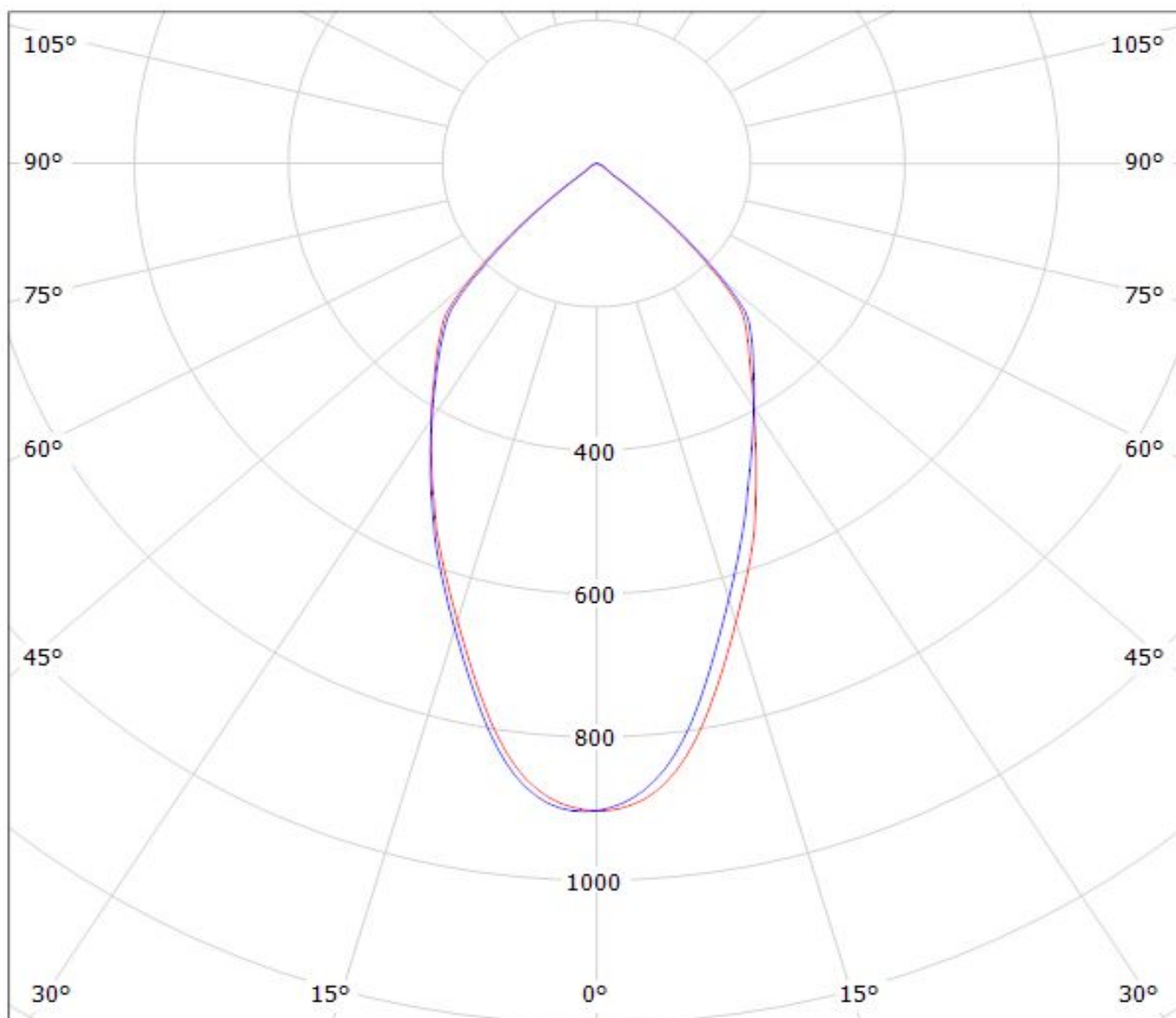
Luminaire: LEDiL Oy C13661\_ANGELINA-W-B\_(Soleriq-E30) Eff: 90%

Lamps: 1 x Osram Soleriq E30 (QW KAJRB2.EM-TPTR-50H4) 1358.6lm@250mA\_P=10.2338W\_I=0.2498mA



Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(S19) Eff.93.0%

Lamps: 1 x Osram\_SOLERIQ\_S19\_1434.85lm@250mA\_P=10.5595W\_I=249.8mA



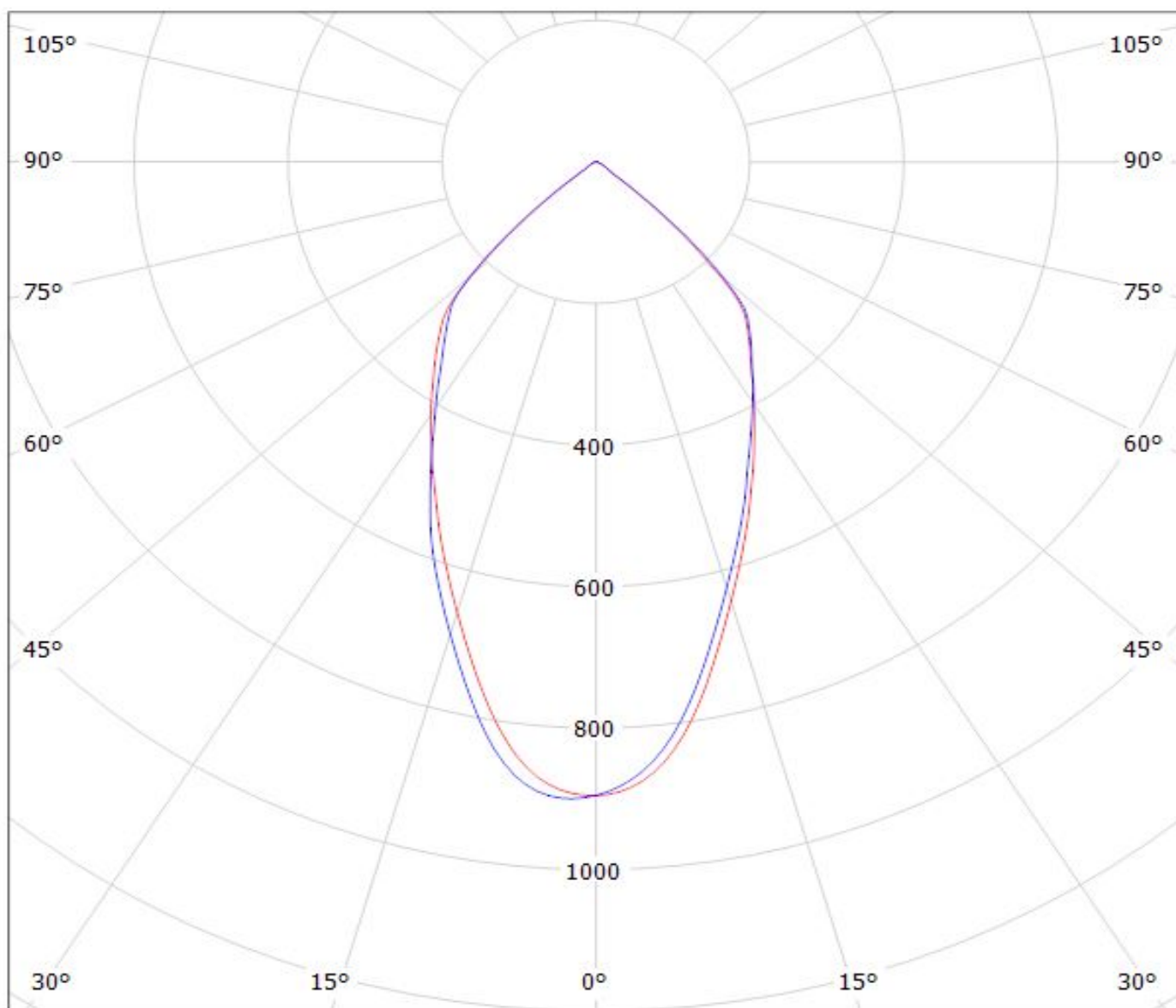
cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(Soleriq S19) Eff.90.0%  
Lamps: 1 x OSRAM\_SOLERIQ\_S19\_(GW\_KAHJB1.EM)  
\_1445.44lm@250mA\_CCT=3000K\_P=10.558W\_I=249.8mA



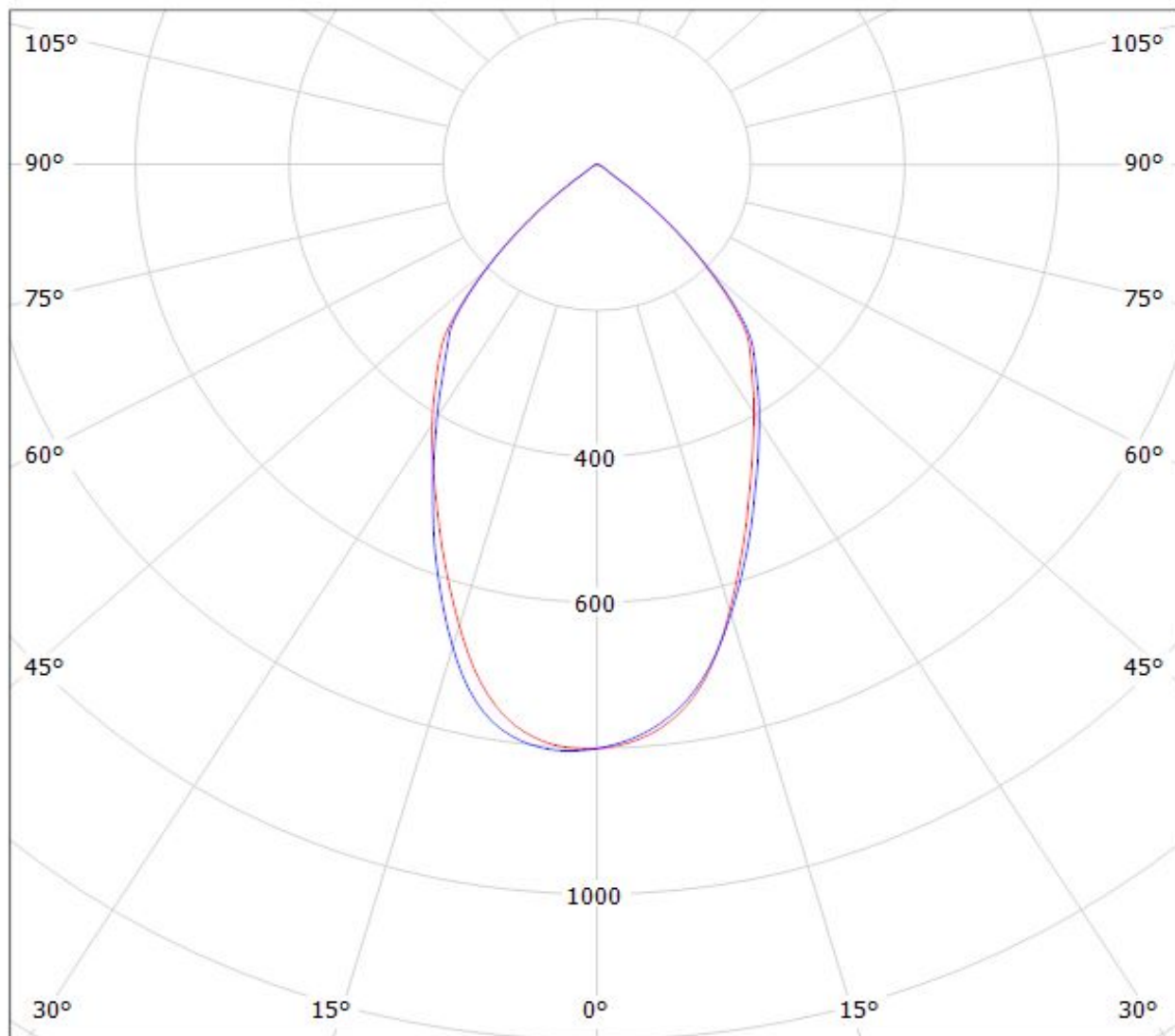
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CXM-22) Eff.91.6%

Lamps: 1 x LUMINUS\_CXM-22\_1221.8lm@250mA\_P=8.00809W\_CCT=3000K\_I=249.8mA



cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$



**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.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).

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.