

## DETAILS

<b>Product Number</b>	C12948_LENA-WAS
<b>Family</b>	Lena
<b>Type</b>	Reflector
<b>Color</b>	metal
<b>Diameter</b>	111 mm
<b>Height</b>	37 mm
<b>Style</b>	round
<b>Optic Material</b>	PC
<b>Holder Material</b>	
<b>Fastening</b>	glue
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	12/06/2015

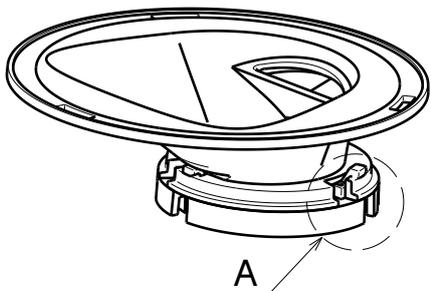


## OPTICAL PROPERTIES

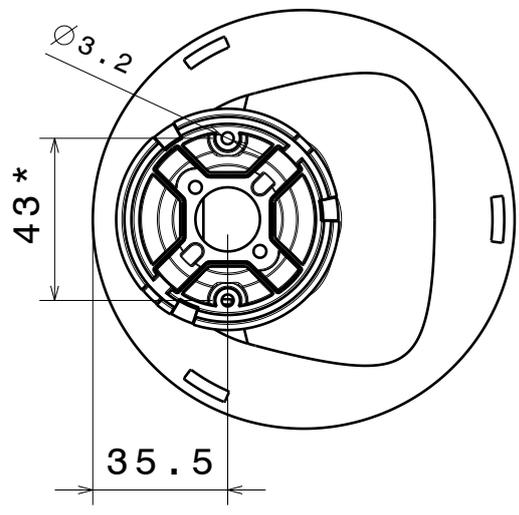
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
Soleriq P13	asymmetric deg	Asymmetric	87 %	1.070	IDEAL: 50-2101CR + 50-2100LN
CXA/B 30xx	sim: Asymmetric	Asymmetric	sim: 85 %	sim: 1.130	IDEAL: 50-2234C + 50-2100LN
CLL03x/CLU03x	Asymmetric deg	Asymmetric	87 %	1.100	A.A.G. STUCCHI: 8101/G2 + S-8000/11
CLL04x/CLU04x	asymmetric deg	Asymmetric	80 %	0.800	A.A.G. STUCCHI: 8102/G2 + S-8000/12
LUXEON CoB 1216	60 deg	Asymmetric	81 %	0.830	A.A.G. STUCCHI: 8102/G2 + S-8000/12

D C B A

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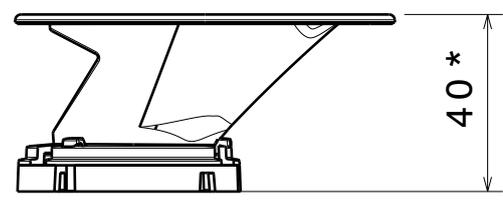


Detail A  
Fitting to base part



4

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Front view

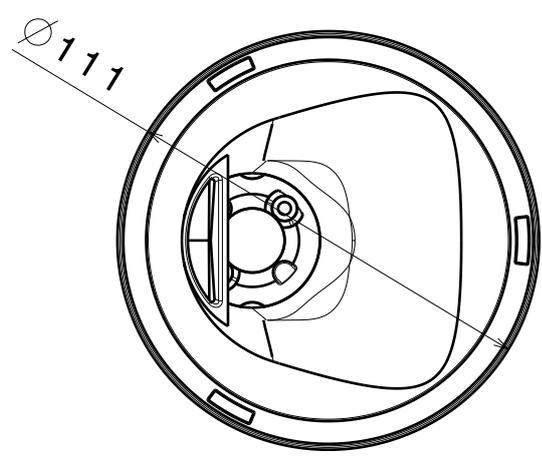
3

\*Dimension with CXA20-led base part

Materials:  
Base part, White PC.  
Reflector, PC with metal coating and clear lacquer.  
(Optional sub lens, PC)

Tolerances for dimensions:  
0-20mm tolerance value +/-0.1mm  
21-45mm tolerance value +/-0.2mm  
46-90mm tolerance value +/-0.3mm  
91-100mm tolerance value +/-0.4mm  
101-mm tolerance value +/-0.5mm

Note:  
Optional sublenses available, increases assembly height by 3-4mm depending style.



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<b>DRAWING TITLE</b>					
<b>Datasheet LENA-WAS reflector</b>					
<b>DRAWN BY</b> pv	<b>DATE</b> 31.05.2012	<b>SIZE</b> A4		<b>DRAWING NUMBER</b> -	<b>REV</b> 1
<b>CHECKED BY</b> vs	<b>DATE</b> 30.05.2012	<b>SCALE</b> 1:2		<b>WEIGHT (g)</b>	<b>SHEET</b> 1/1
<b>DESIGNED BY</b> hh	<b>DATE</b> 16.05.2012				

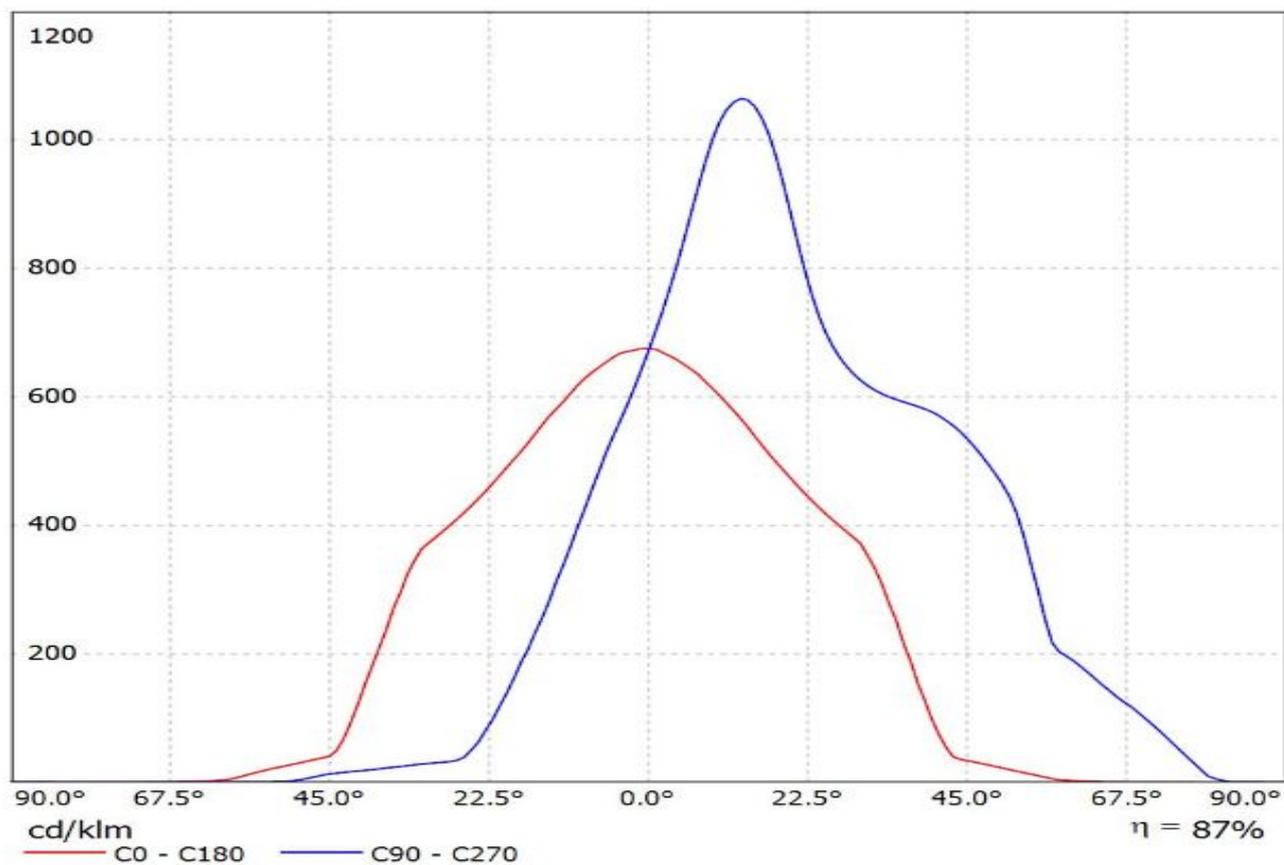
1

1

D A

Luminaire: LEDiL Oy C12948\_LENA-WAS\_(SOLERIQ\_P13)

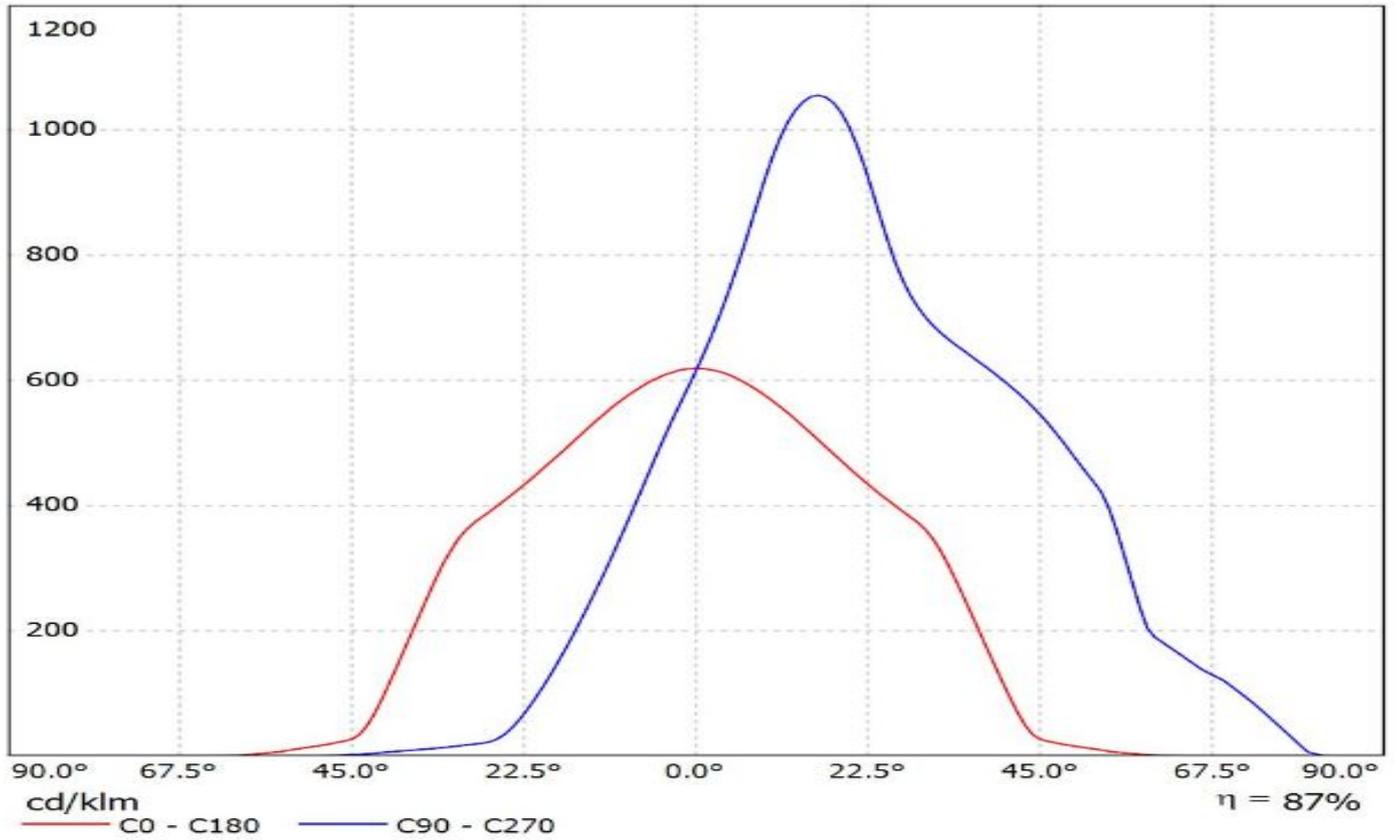
Lamps: 1 x SOLERIQ\_P13\_(GW\_MAGMB1.EM)\_1018.49lm@250mA\_CCT=3000K\_P=8.79046W\_I=249.8mA



# Ledil C12948\_LENA-WAS\_(CLU034+\_8101-G2+\_S-8000-11) / LDC (Linear)

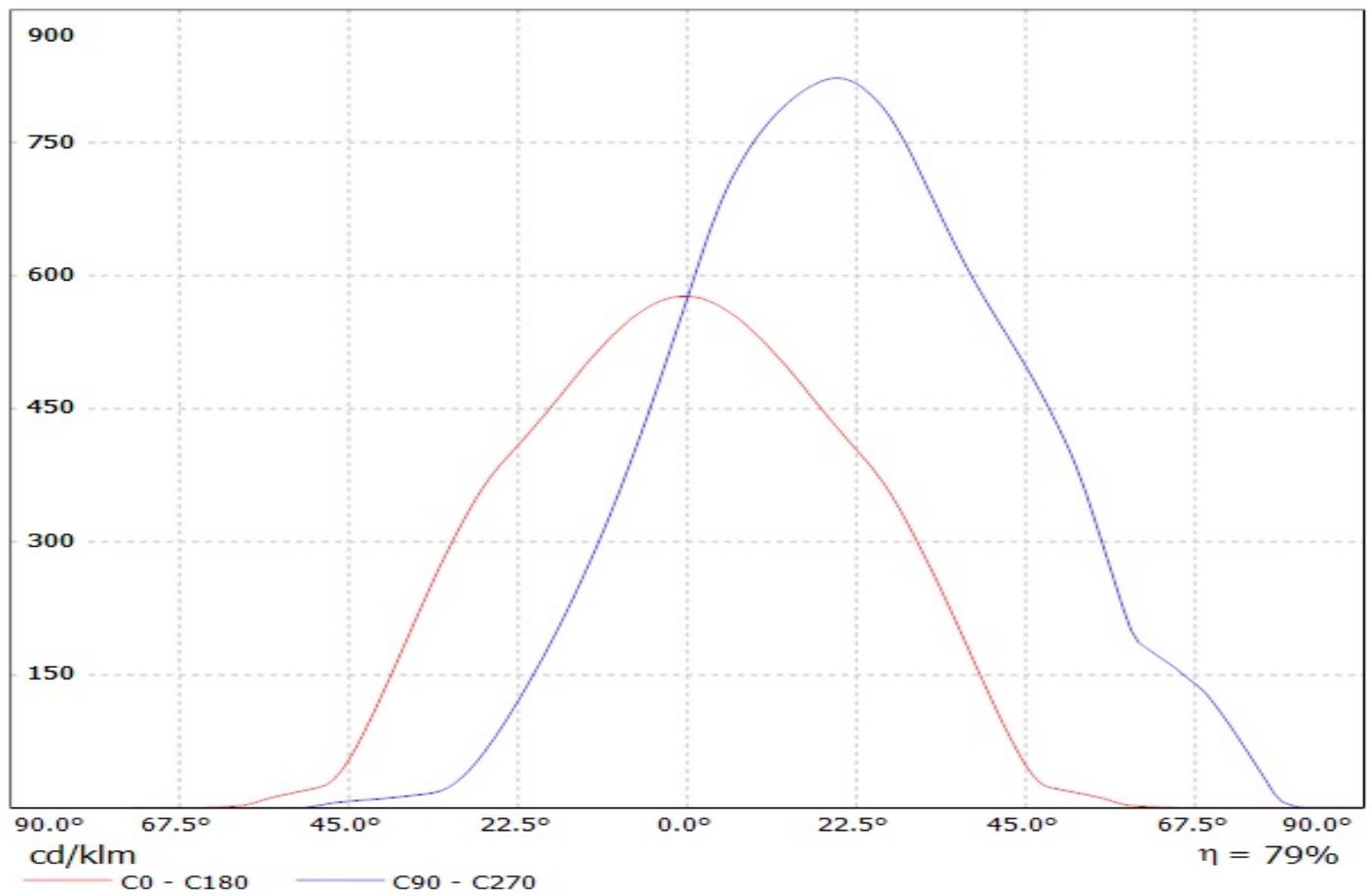
Luminaire: Ledil C12948\_LENA-WAS\_(CLU034+\_8101-G2+\_S-8000-11)

Lamps: 1 x Citizen\_CLU034\_(1205B8-303M1A2)\_1178.79lm@250mA\_P=8.5W\_I=0.25A



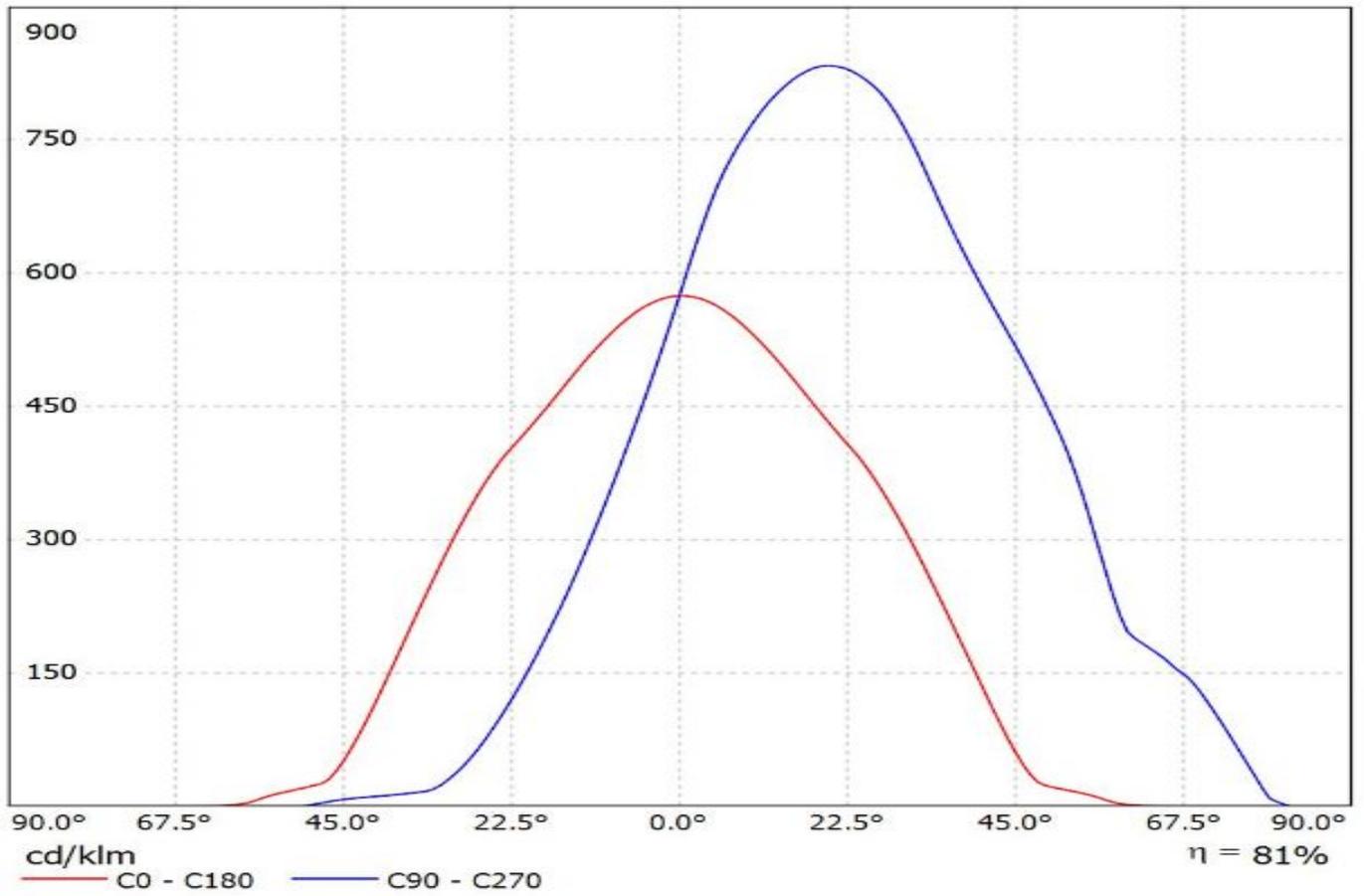
Luminaire: LEDiL Oy C12948\_LENA-WAS\_(CLU044\_+\_8102-G2\_+\_S-8000-12)

Lamps: 1 x Citizen\_CLU044\_(1212B8-303M1A2)\_546.982lm@100mA\_P=3.2W\_I=0.1A



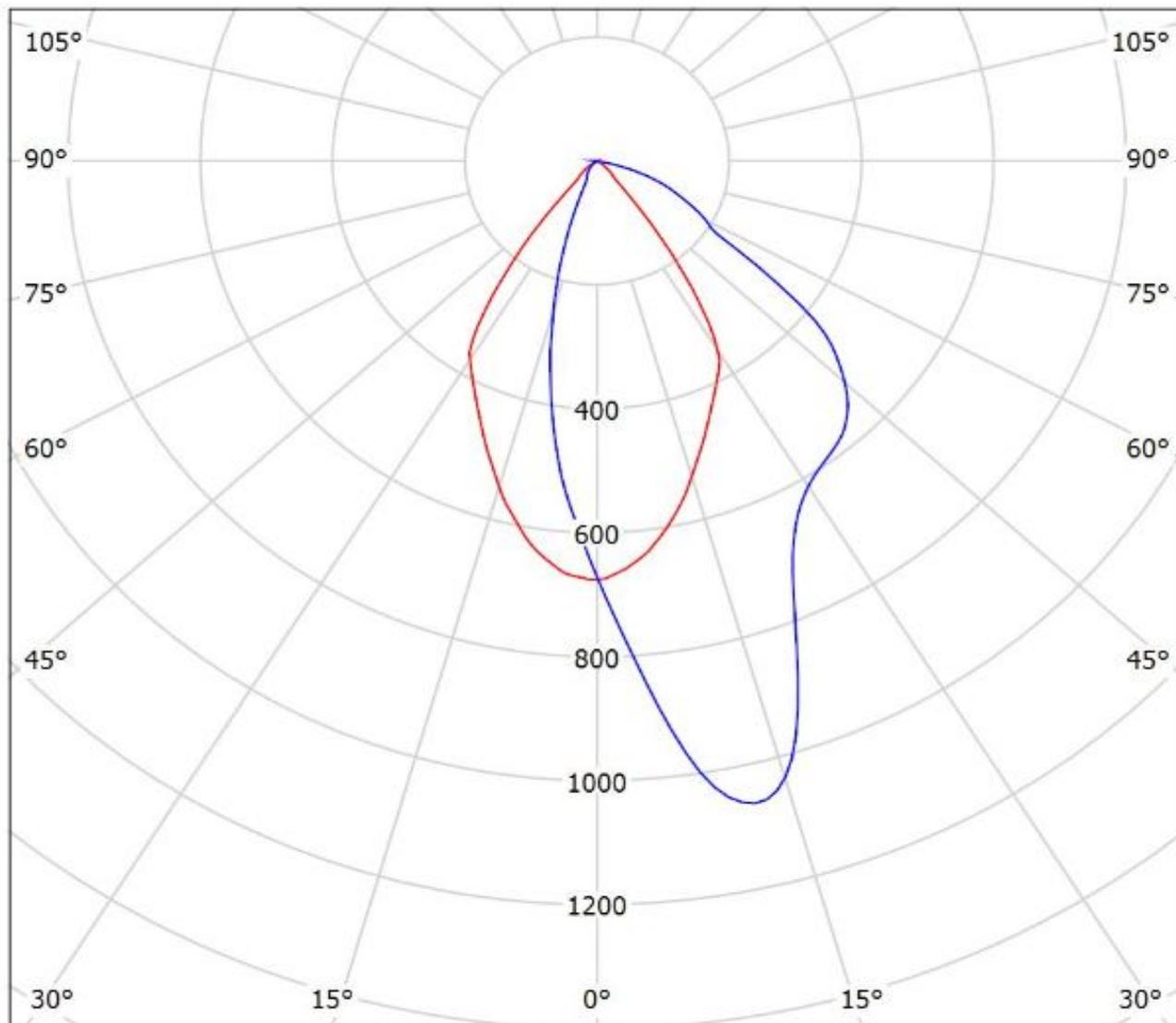
Luminaire: Ledil C12948\_LENA-WAS\_(CoB\_1216)

Lamps: 1 x Luxeon\_CoB\_1216\_(L2C2-40801216E2300)\_1475.81lm@250mA\_P=7.9980W\_I=0.25A



Luminaire: LEDiL Oy C12948\_LENA-WAS\_(SOLERIQ\_P13)

Lamps: 1 x SOLERIQ\_P13\_(GW\_MAGMB1.EM)\_1018.49lm@250mA\_CCT=3000K\_P=8.79046W\_I=249.8mA



cd/klm

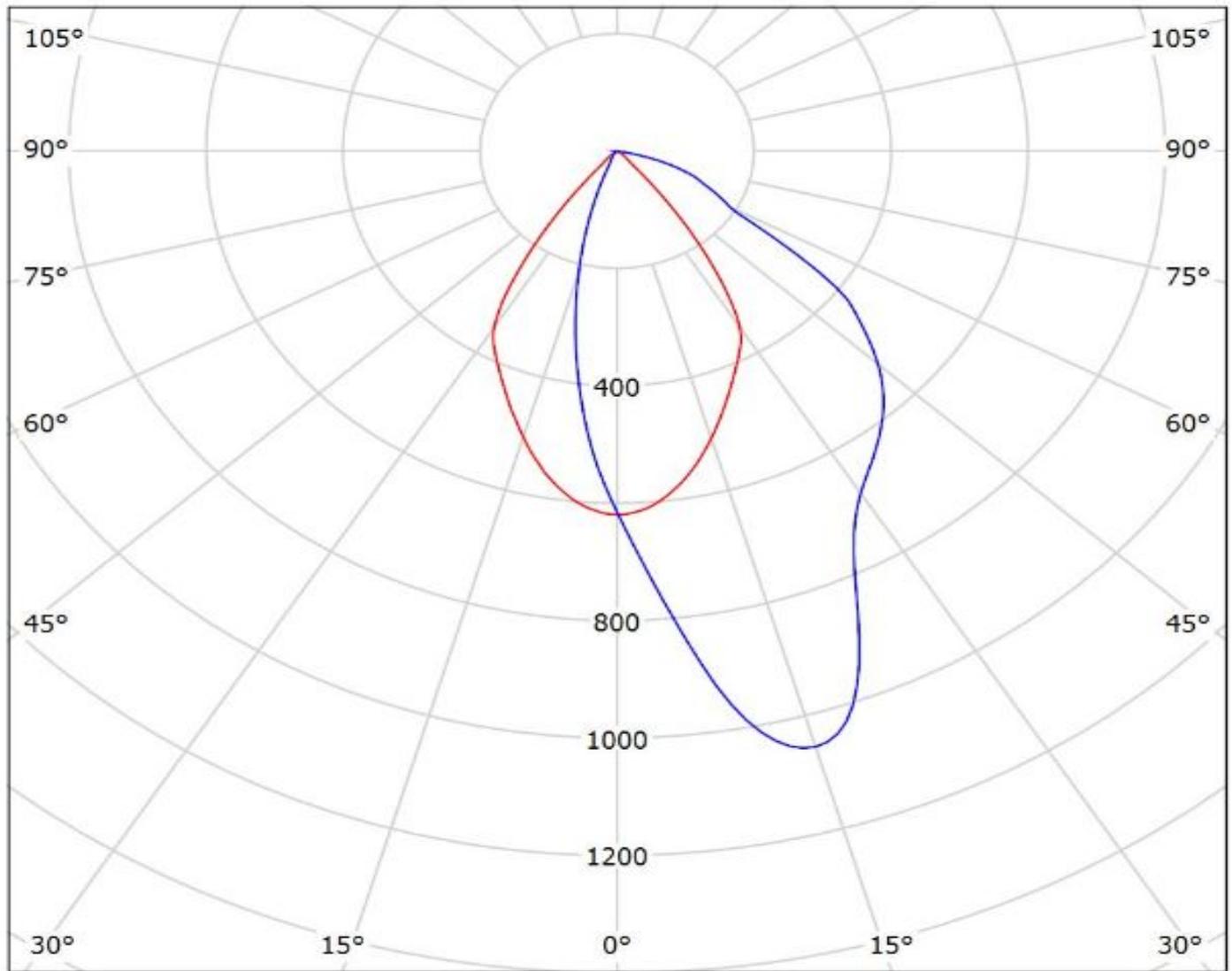
— C0 - C180 — C90 - C270

$\eta = 87\%$

# Ledil C12948\_LENA-WAS\_(CLU034+\_8101-G2+\_S-8000-11)/LDC (Polar)

Luminaire: Ledil C12948\_LENA-WAS\_(CLU034+\_8101-G2+\_S-8000-11)

Lamps: 1 x Citizen\_CLU034\_(1205B8-303M1A2)\_1178.79lm@250mA\_P=8.5W\_I=0.25A

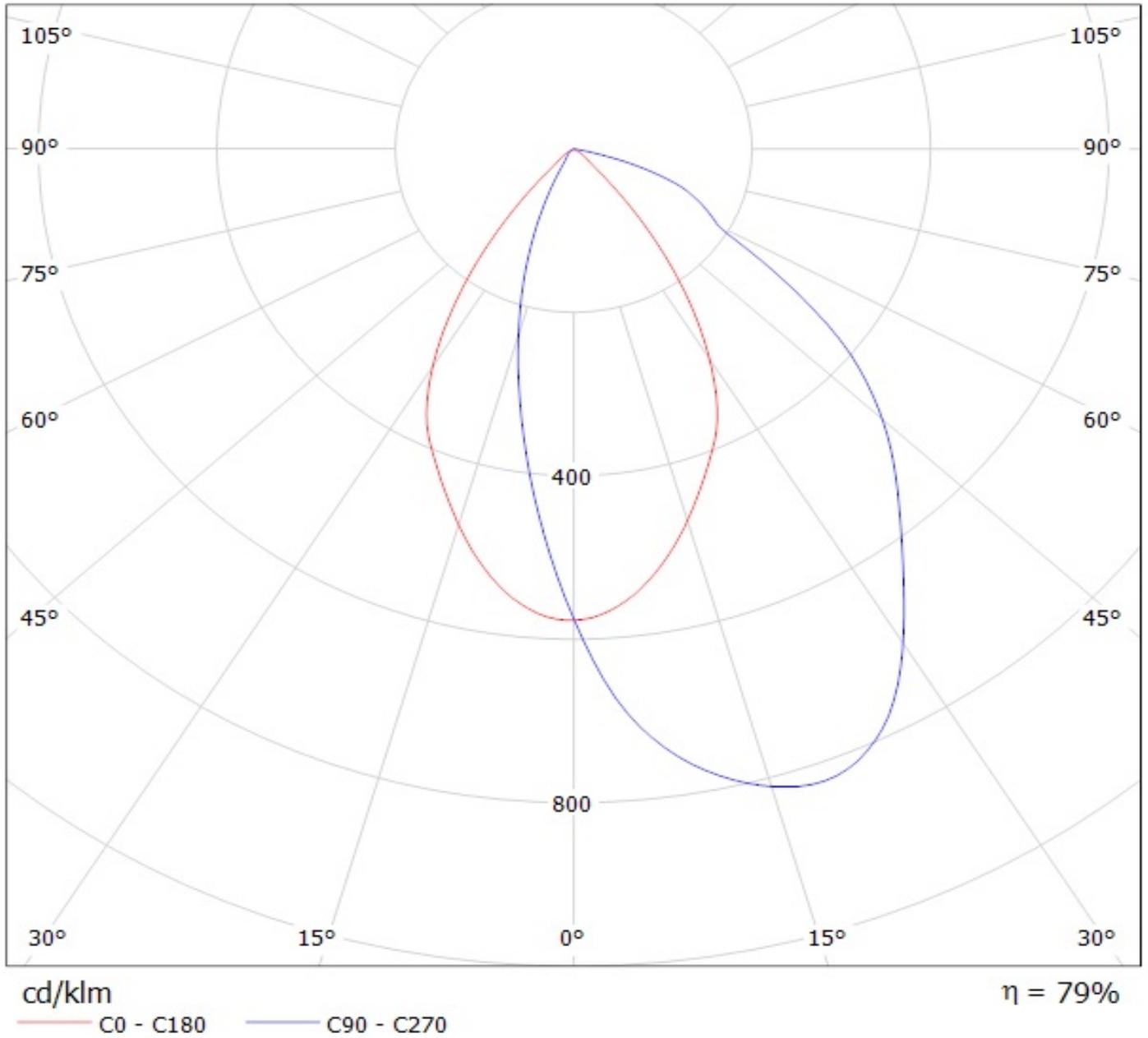


cd/klm

— C0 - C180 — C90 - C270

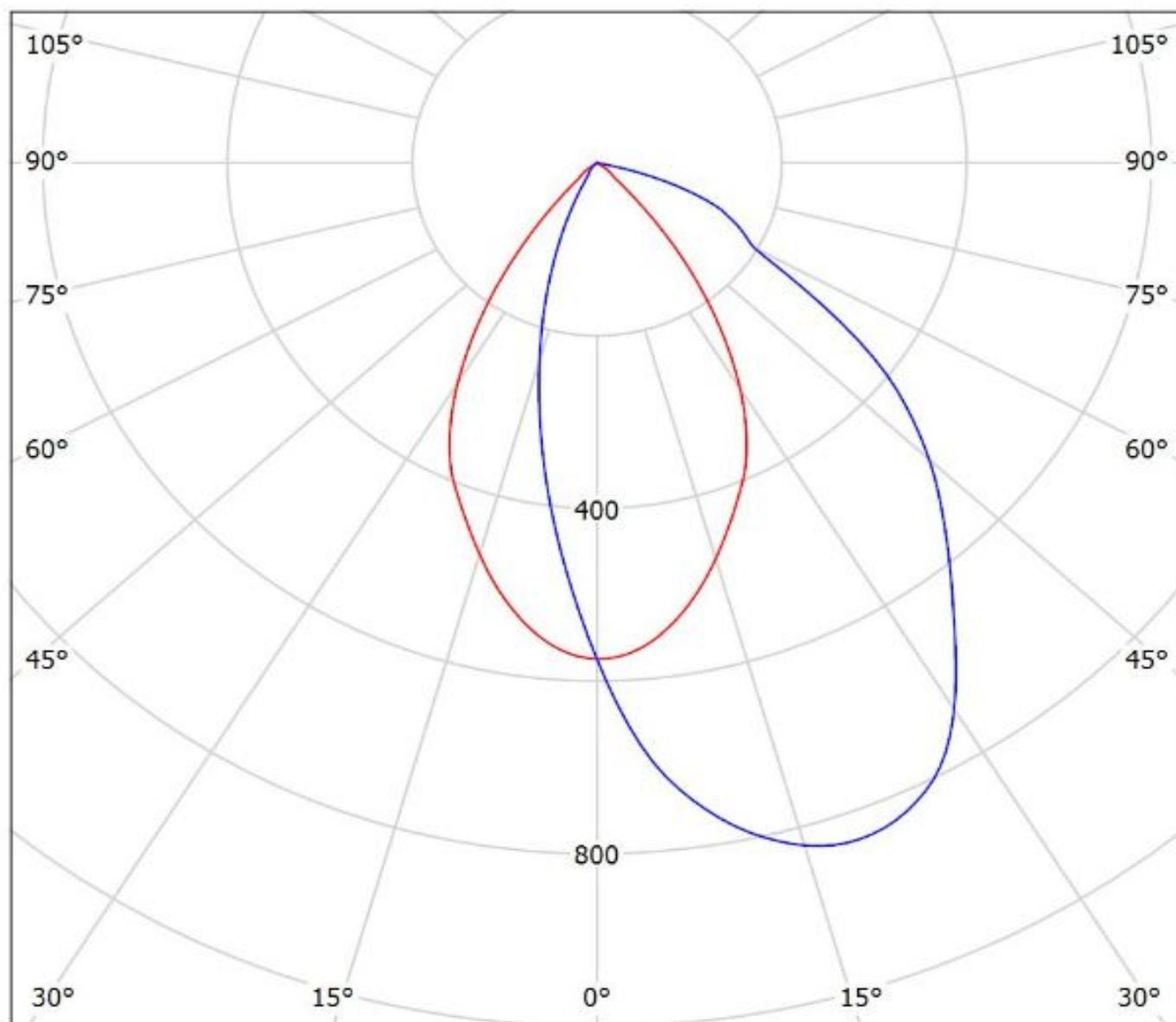
$\eta = 87\%$

Luminaire: LEDiL Oy C12948\_LENA-WAS\_(CLU044+\_8102-G2+\_S-8000-12)  
Lamps: 1 x Citizen\_CLU044\_(1212B8-303M1A2)\_546.982lm@100mA\_P=3.2W\_I=0.1A



Luminaire: Ledil C12948\_LENA-WAS\_(CoB\_1216)

Lamps: 1 x Luxeon\_CoB\_1216\_(L2C2-40801216E2300)\_1475.81lm@250mA\_P=7.9980W\_I=0.25A



cd/klm

— C0 - C180 — C90 - C270

$\eta = 81\%$

**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.
- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.  
[http://www.ledil.com/datasheets/DataSheet\\_GLUES.pdf](http://www.ledil.com/datasheets/DataSheet_GLUES.pdf)

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.

**NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the glue.**

**NOTE 2: All surfaces where glue is applied must be clean, dry and free from grease and dirt. If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer -this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.**

**Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.**