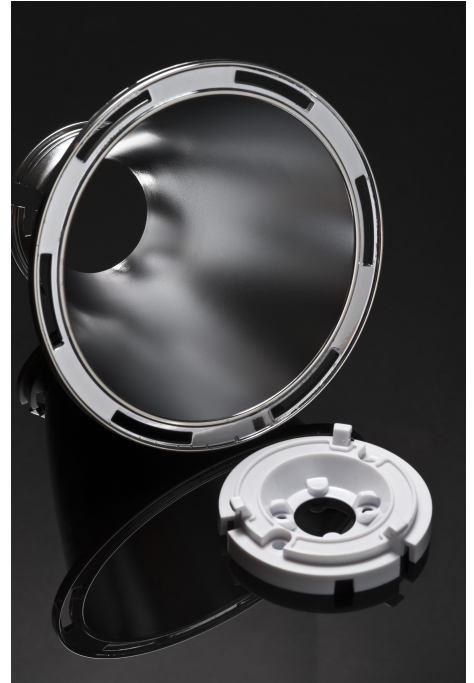


## DETAILS

Product Number	C13117_LENA-SS
Family	Lena
Type	3
Color	4
Diameter	111 mm
Height	80 mm
Style	1
Optic Material	1
Holder Material	0
Fastening	socket
Status	9
ROHS Compliant	Yes
Date Updated	7/09/2015

## OPTICAL PROPERTIES

LED	Viewing	Light	Effi-	cd/lm	Connector
	Angle	Beam	ciency		
107	11 deg	4	90 %	10.700	-
	13 deg	4	81 %	7.530	-
	13 deg	4	85 %	8.200	-
	20 deg	4	80 %	3.800	-
	20 deg	4	80 %	3.800	-
	20 deg	4	79 %	4.200	-



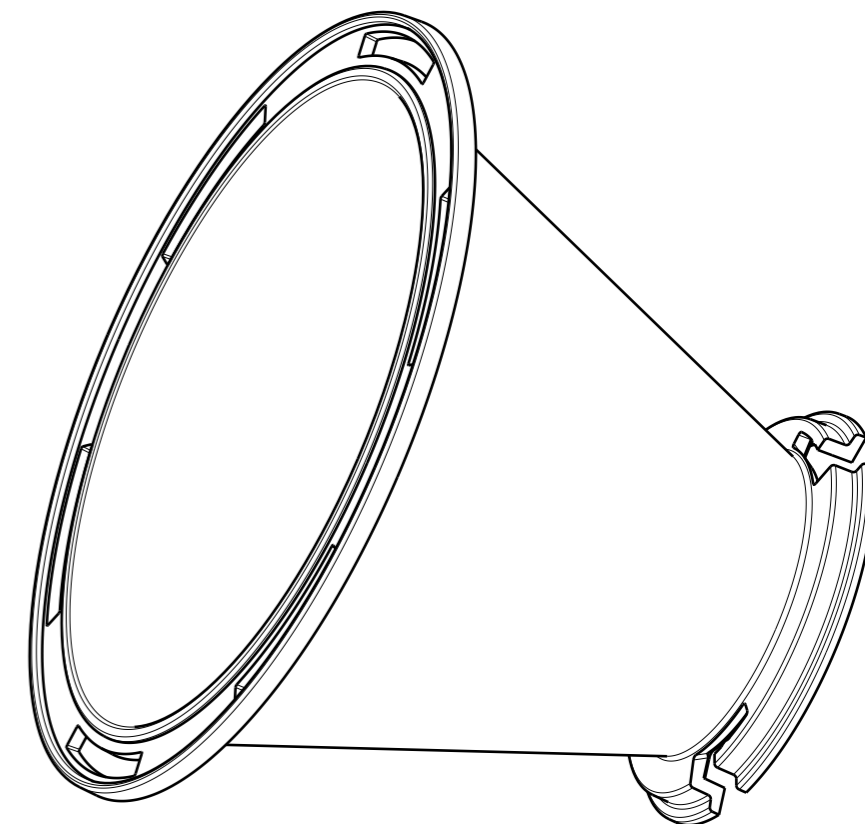
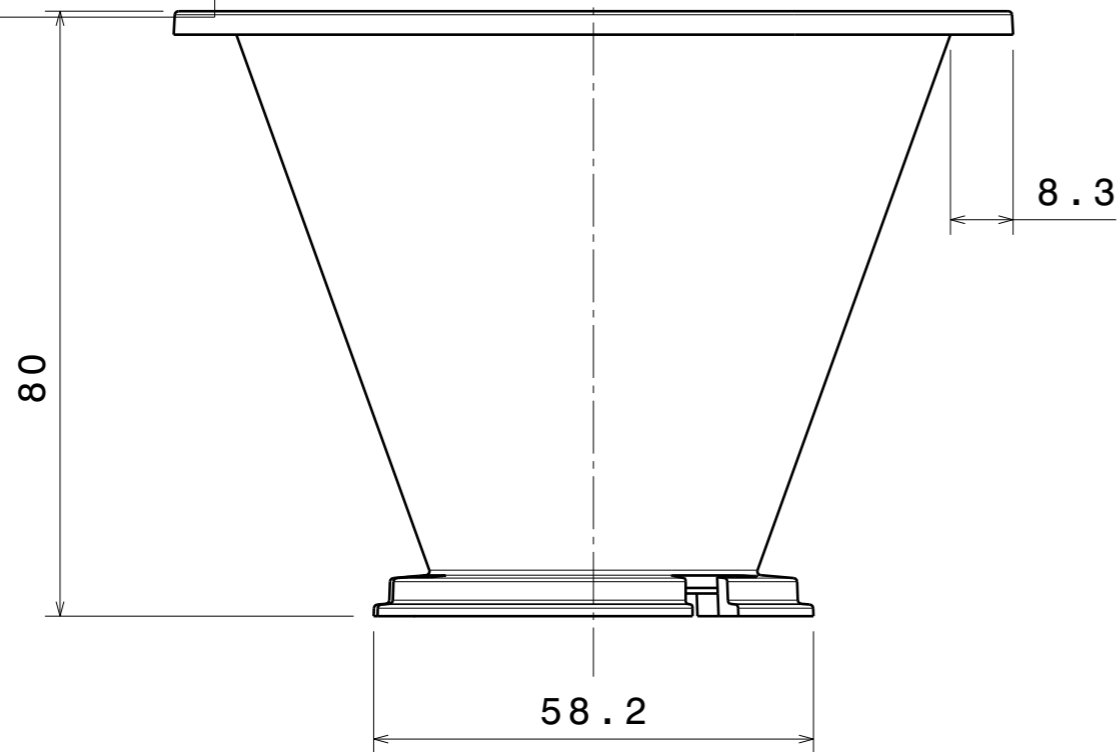
This drawing applies to:

C11979\_LENA-S

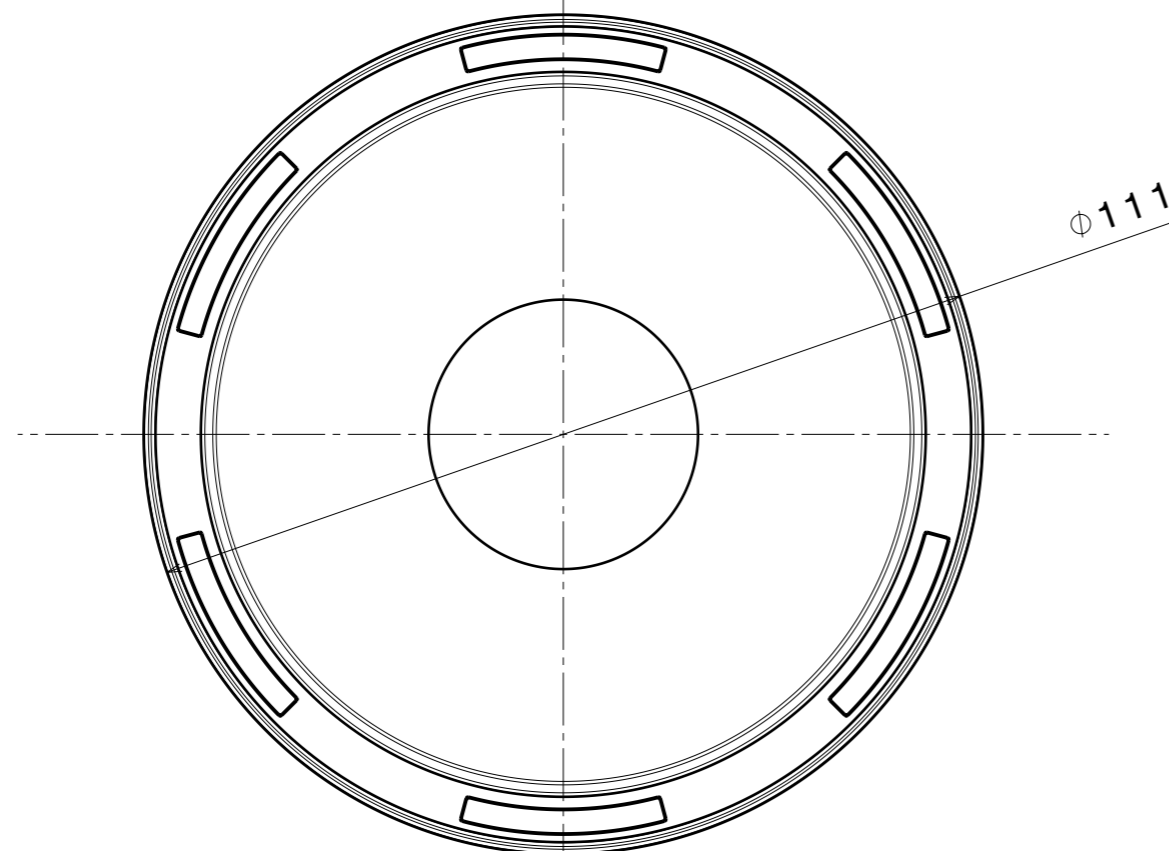
C12154\_LENA-M

C11980\_LENA-W

C13117\_LENA-SS



Isometric view



INDEX	DESCRIPTION	MATERIAL
1	Lena-Reflector	PC

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 Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland

THIRD ANGLE PROJECTION:

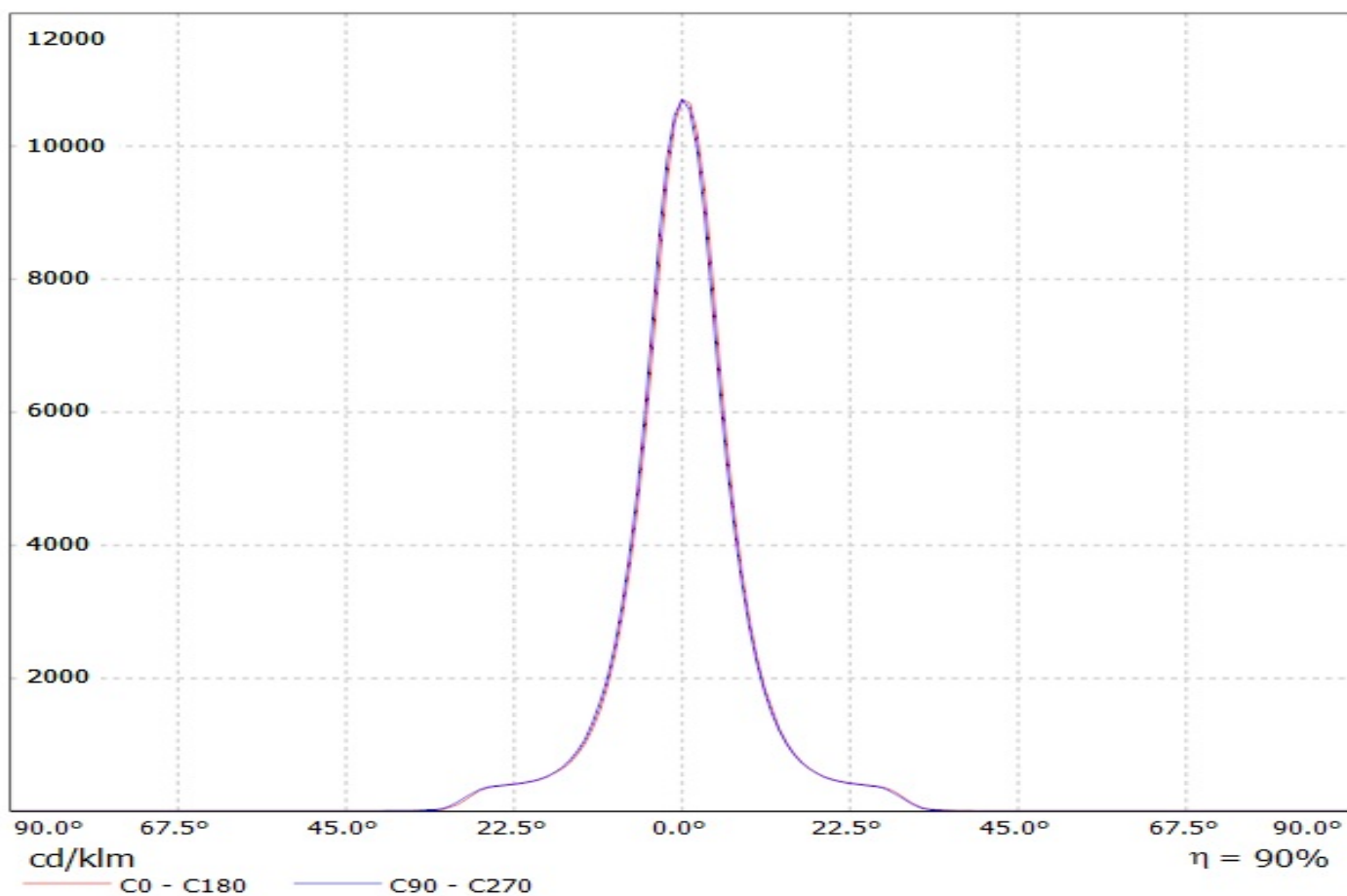
DRAWING TITLE  
**LENA reflector family**

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	1:1	WEIGHT (g)
		SHEET 1/1

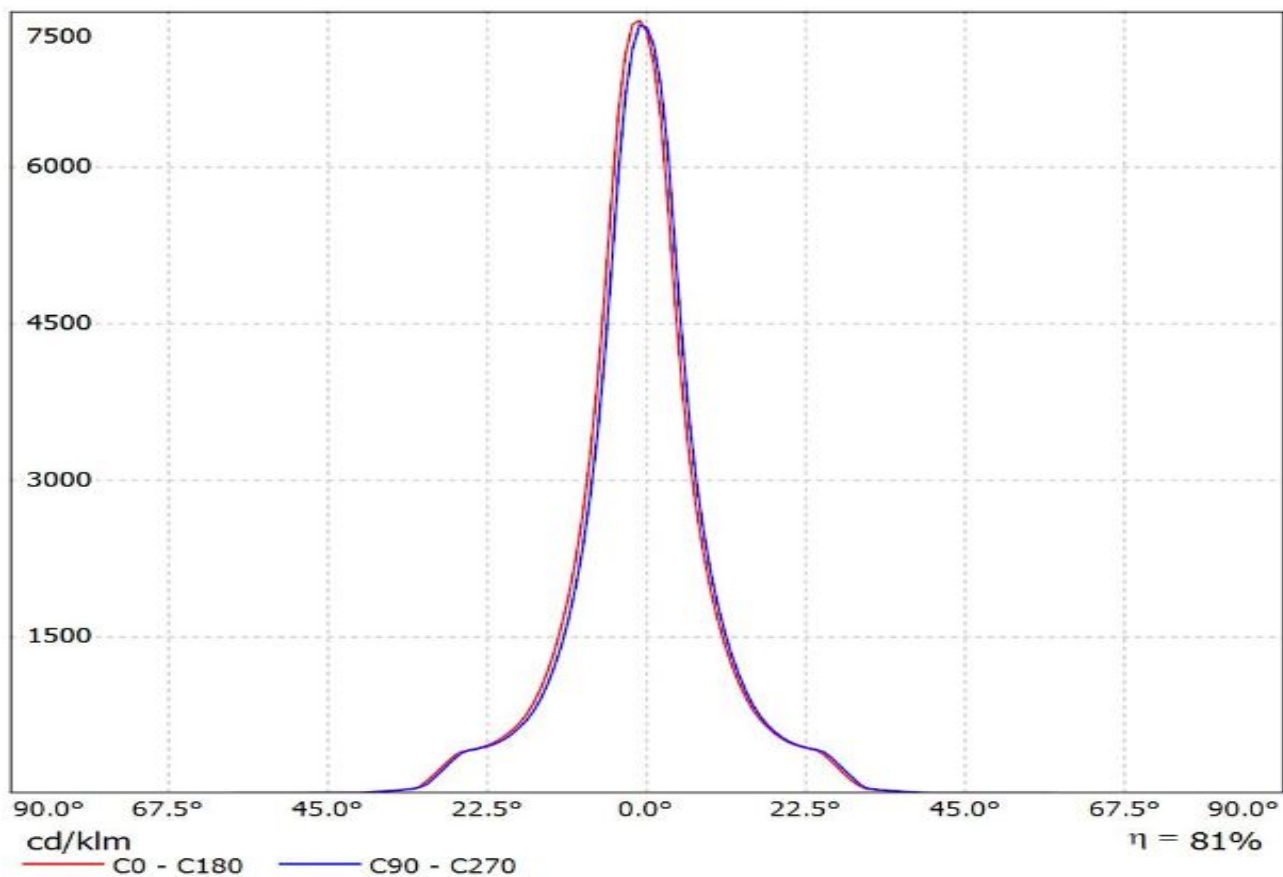
Luminaire: LEDiL Oy C13117\_LENA-SS\_(CLL173)

Lamps: 1 x Citizen\_CLL173\_(CLL173-A072A2303M1)\_837.857lm@230VAC\_U=230V



Luminaire: LEDiL Oy C13117\_LENA-SS\_(SOLERIQ\_P13)

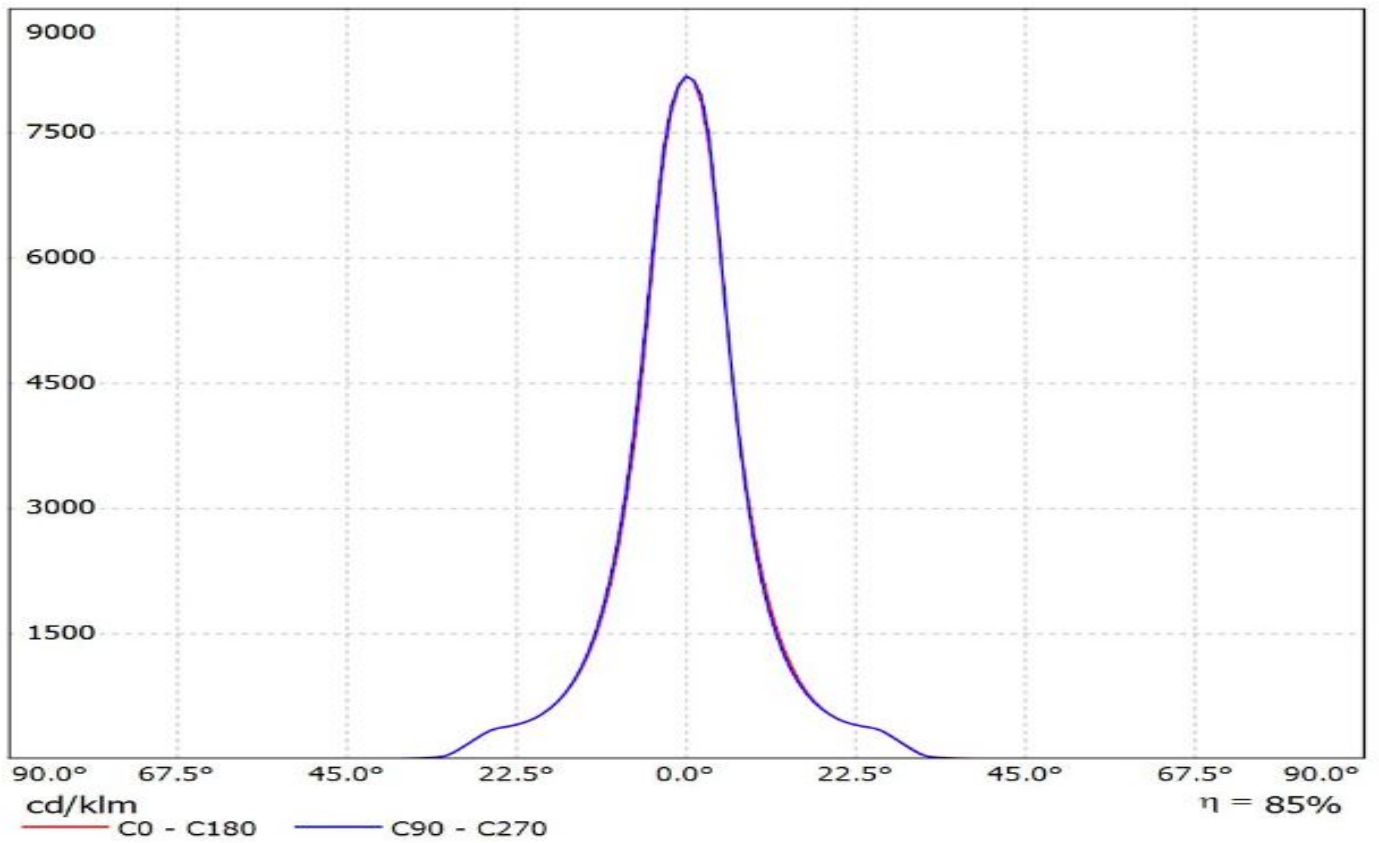
Lamps: 1 x SOLERIQ\_P13\_(GW\_MAGMB1.EM)\_1018.49lm@250mA\_CCT=3000K\_P=8.79046W\_I=249.8mA



# Ledil C13117\_LENA-SS\_(CLU034+\_8101-G2+\_S-8000-11)/LDC (Linear)

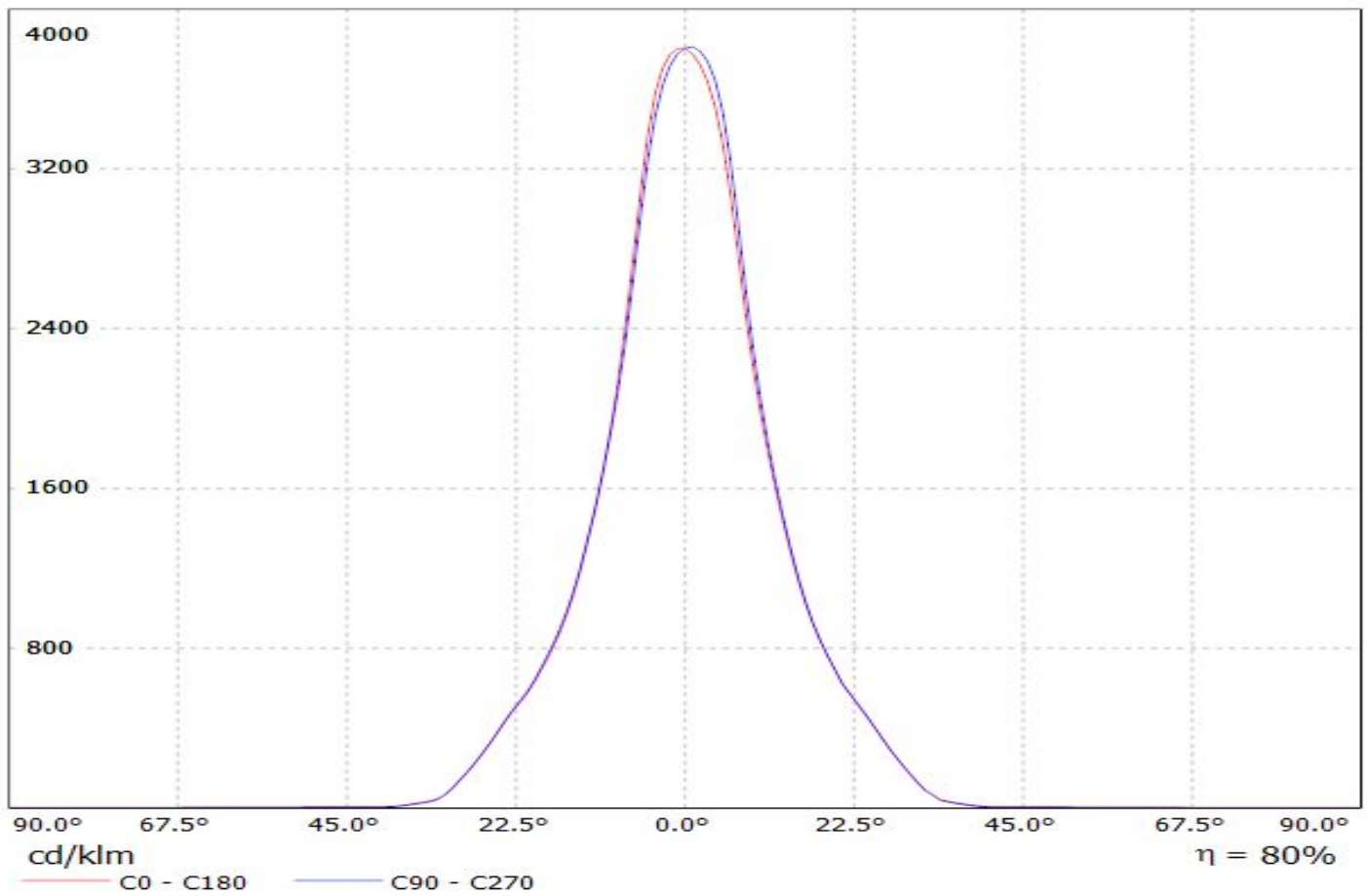
Luminaire: Ledil C13117\_LENA-SS\_(CLU034+\_8101-G2+\_S-8000-11)

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

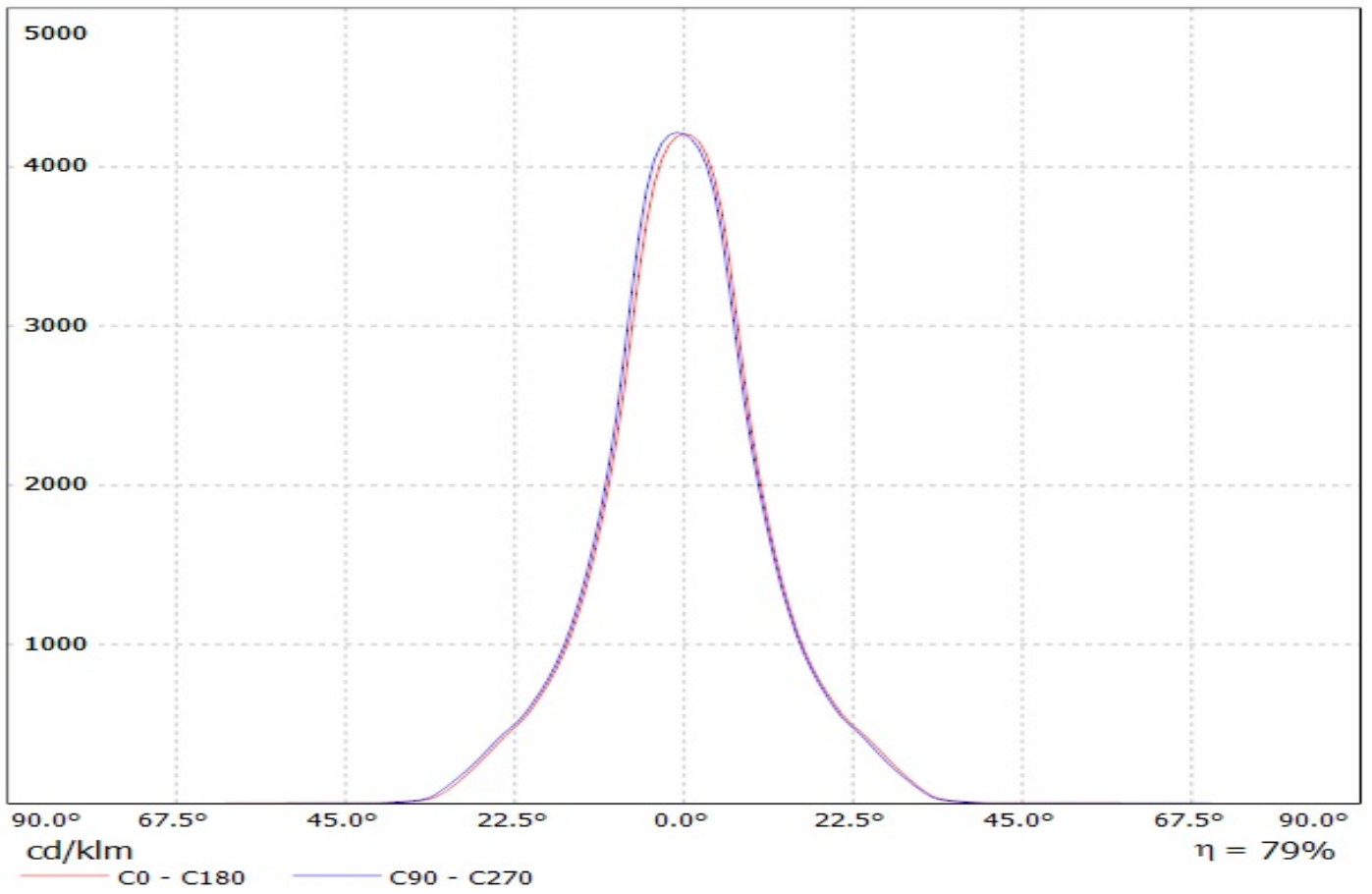


Luminaire: LEDiL Oy C13117\_LENA-SS\_(CLL040)

Lamps: 1 x Citizen\_CLL040\_(CLL040-1218A-50KL1A1)\_1156.98lm@250mA\_P=8.26164W\_I=249.8mA

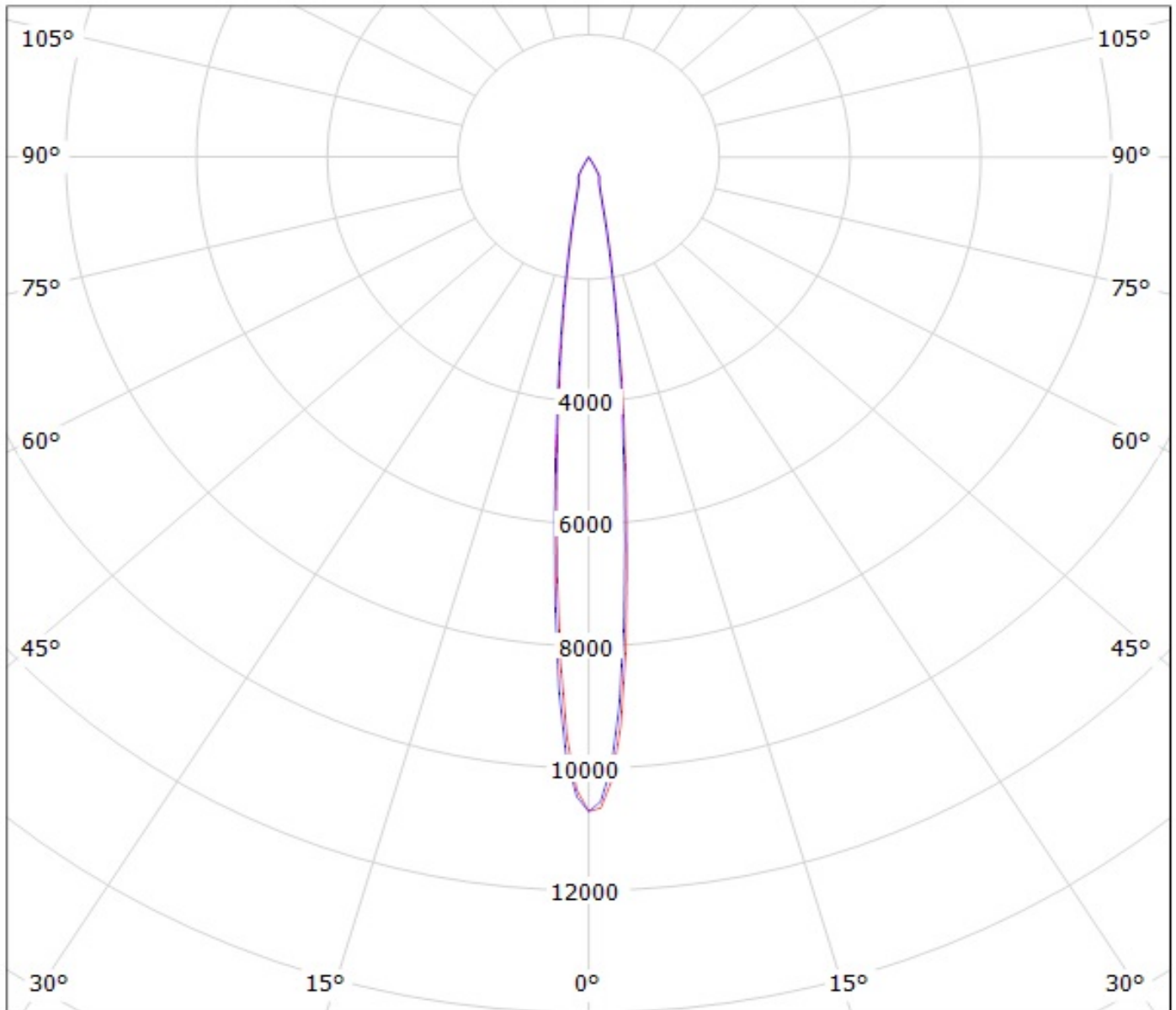


Luminaire: LEDiL Oy C13117\_LENA-SS\_(CLU044\_+\_8102-G2\_+\_S-8000-12)  
Lamps: 1 x Citizen\_CLU044\_(1212B8-303M1A2)\_546.982lm@100mA\_P=3.2W\_I=0.1A



Luminaire: LEDiL Oy C13117\_LENA-SS\_(CLL173)

Lamps: 1 x Citizen\_CLL173\_(CLL173-A072A2303M1)\_837.857lm@230VAC\_U=230V



cd/klm

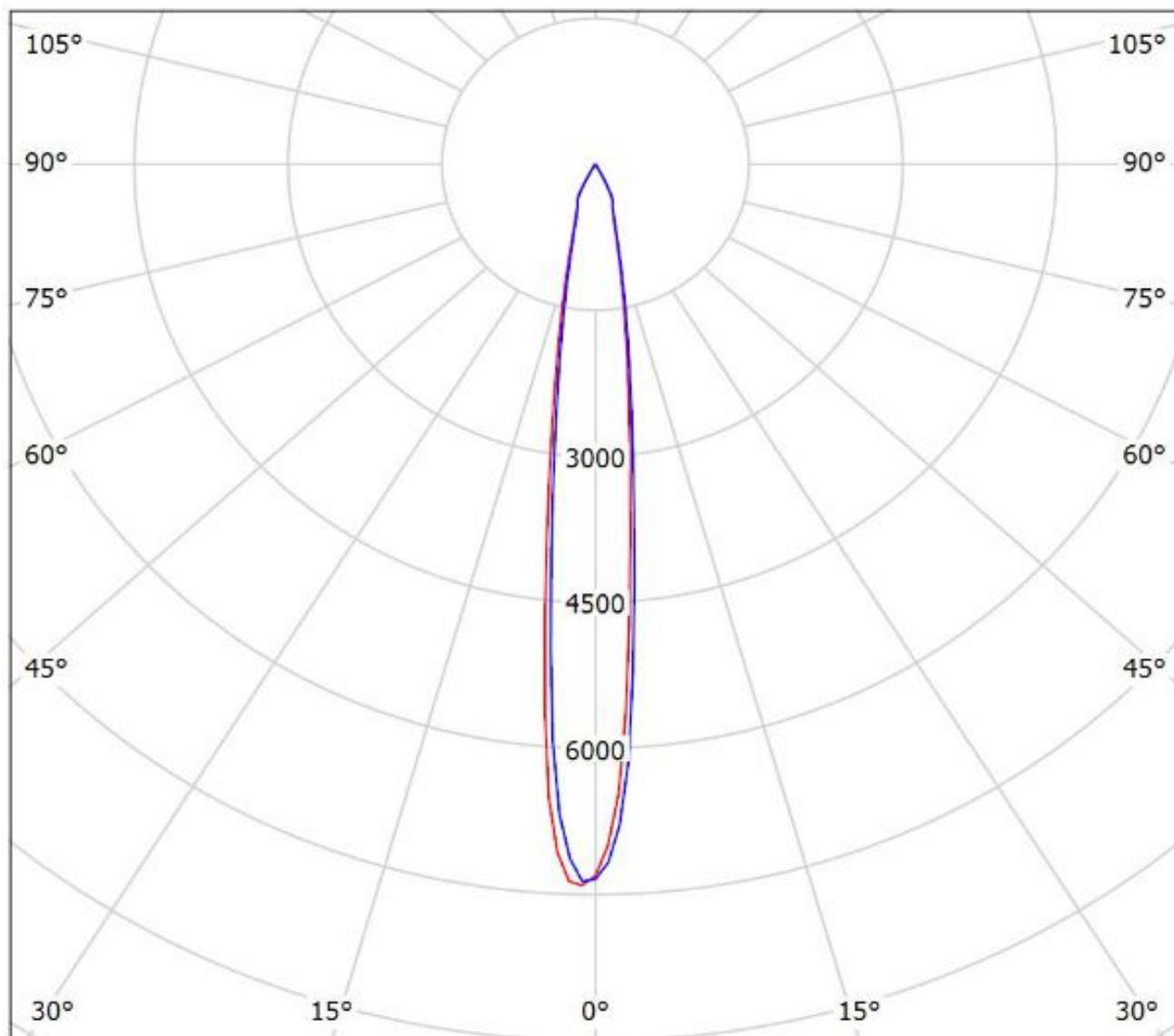
$\eta = 90\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy C13117\_LENA-SS\_(SOLERIQ\_P13)

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



cd/klm

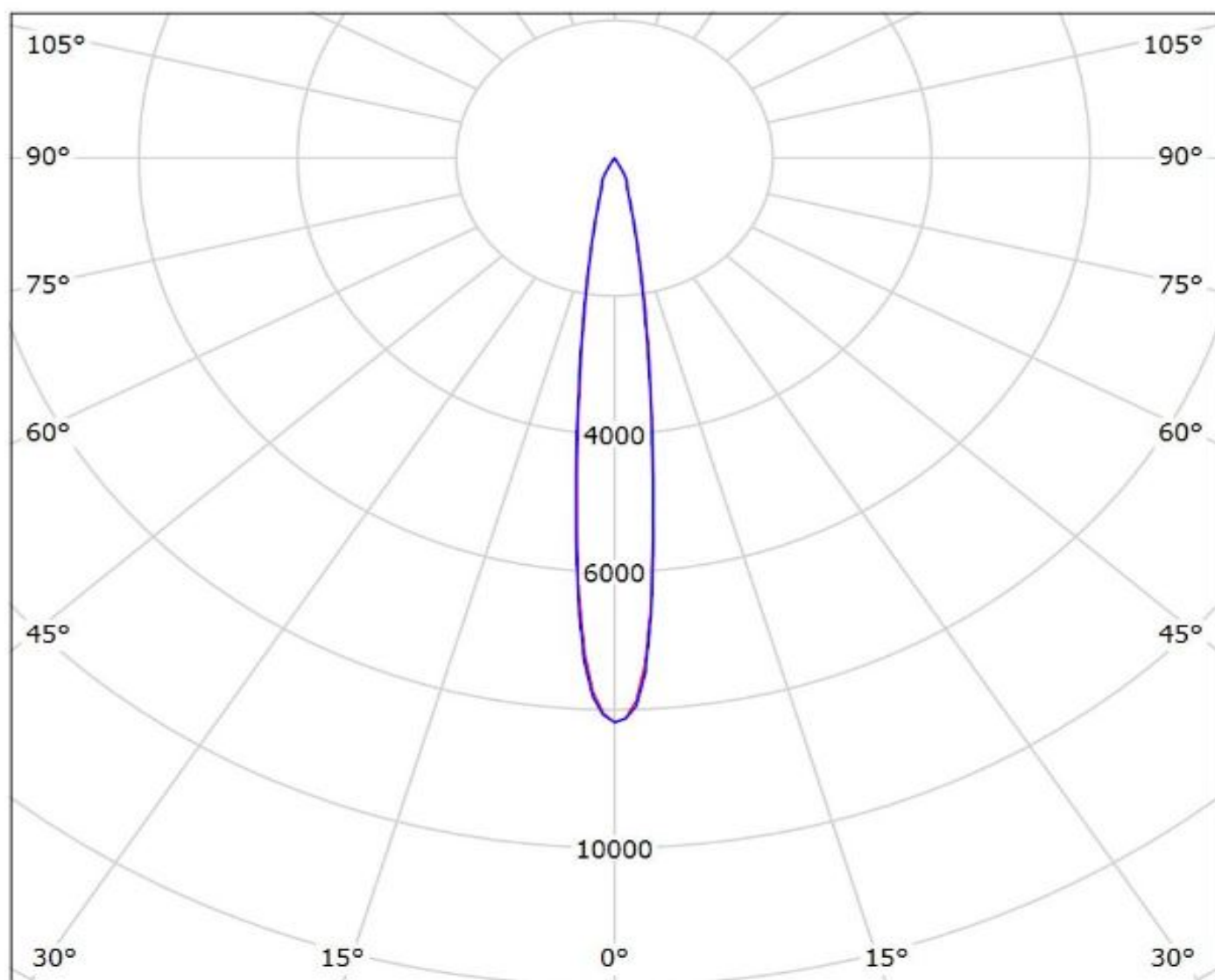
— C0 - C180 — C90 - C270

$\eta = 81\%$

# Ledil C13117\_LENA-SS\_(CLU034+\_8101-G2+\_S-8000-11)/LDC (Polar)

Luminaire: Ledil C13117\_LENA-SS\_(CLU034+\_8101-G2+\_S-8000-11)

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



cd/klm

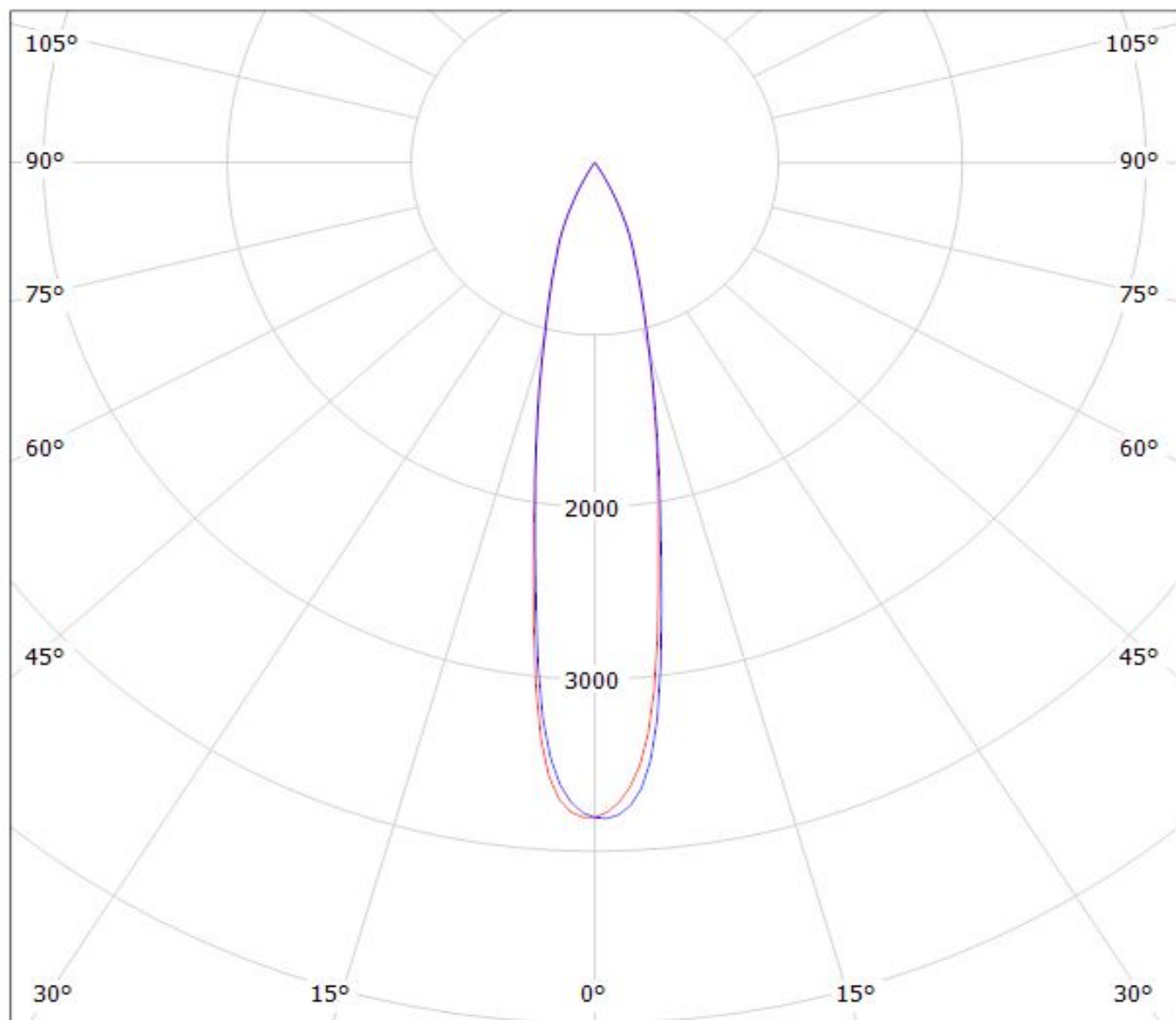
— C0 - C180

— C90 - C270

$\eta = 85\%$

Luminaire: LEDiL Oy C13117\_LENA-SS\_(CLL040)

Lamps: 1 x Citizen\_CLL040\_(CLL040-1218A-50KL1A1)\_1156.98lm@250mA\_P=8.26164W\_I=249.8mA



cd/klm

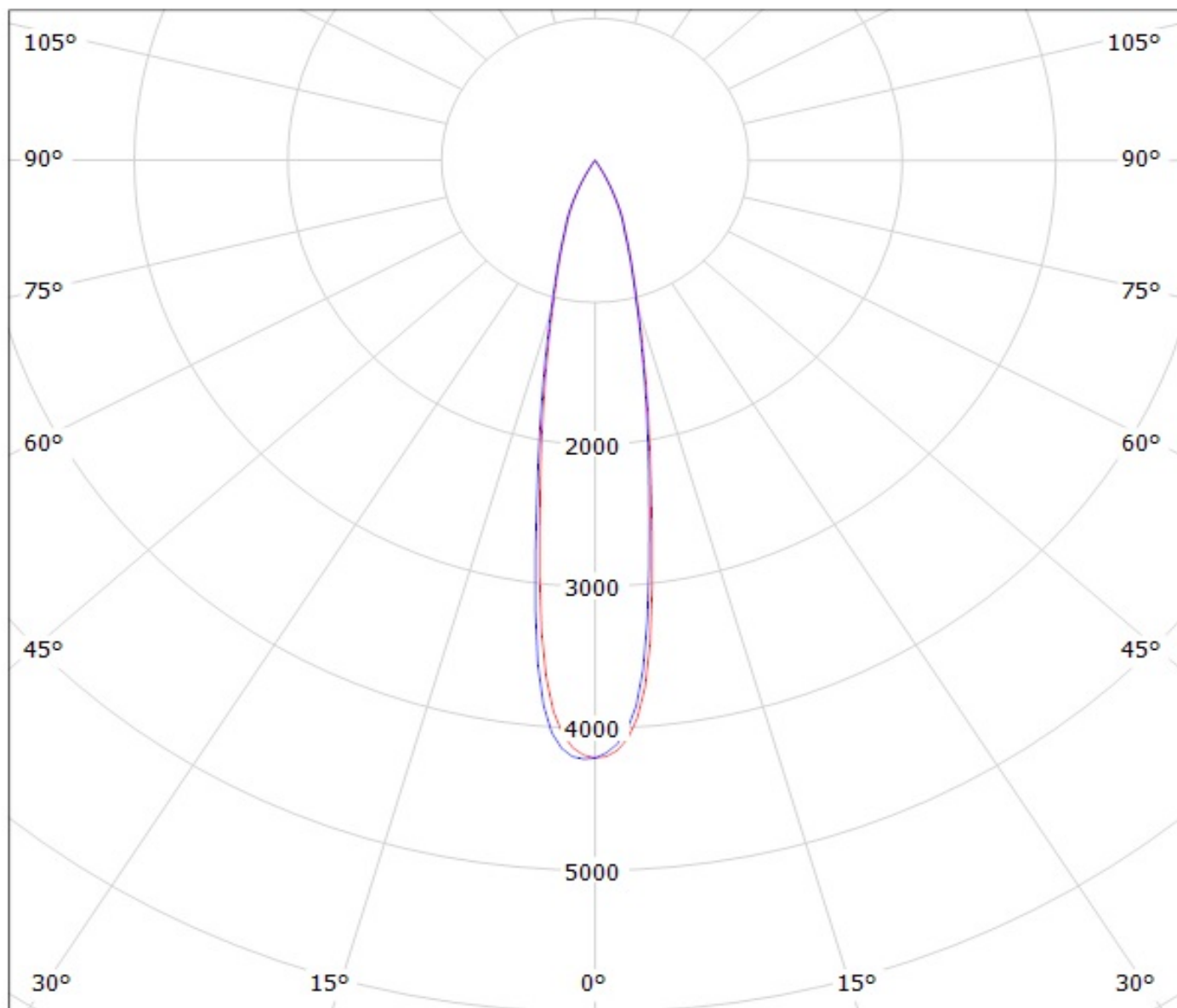
— C0 - C180

— C90 - C270

$\eta = 80\%$

Luminaire: LEDiL Oy C13117\_LENA-SS\_(CLU044+\_8102-G2+\_S-8000-12)

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



cd/klm

— C0 - C180

— C90 - C270

$\eta = 79\%$

**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).