

## DETAILS

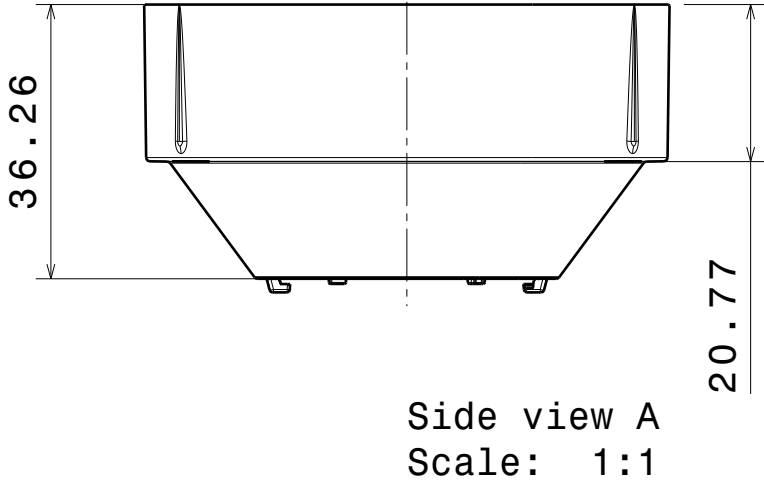
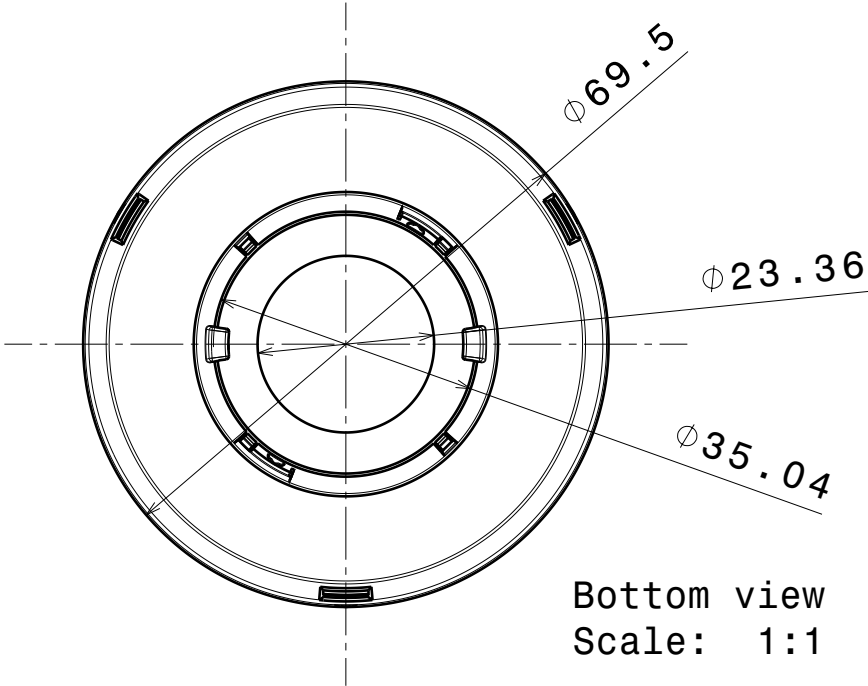
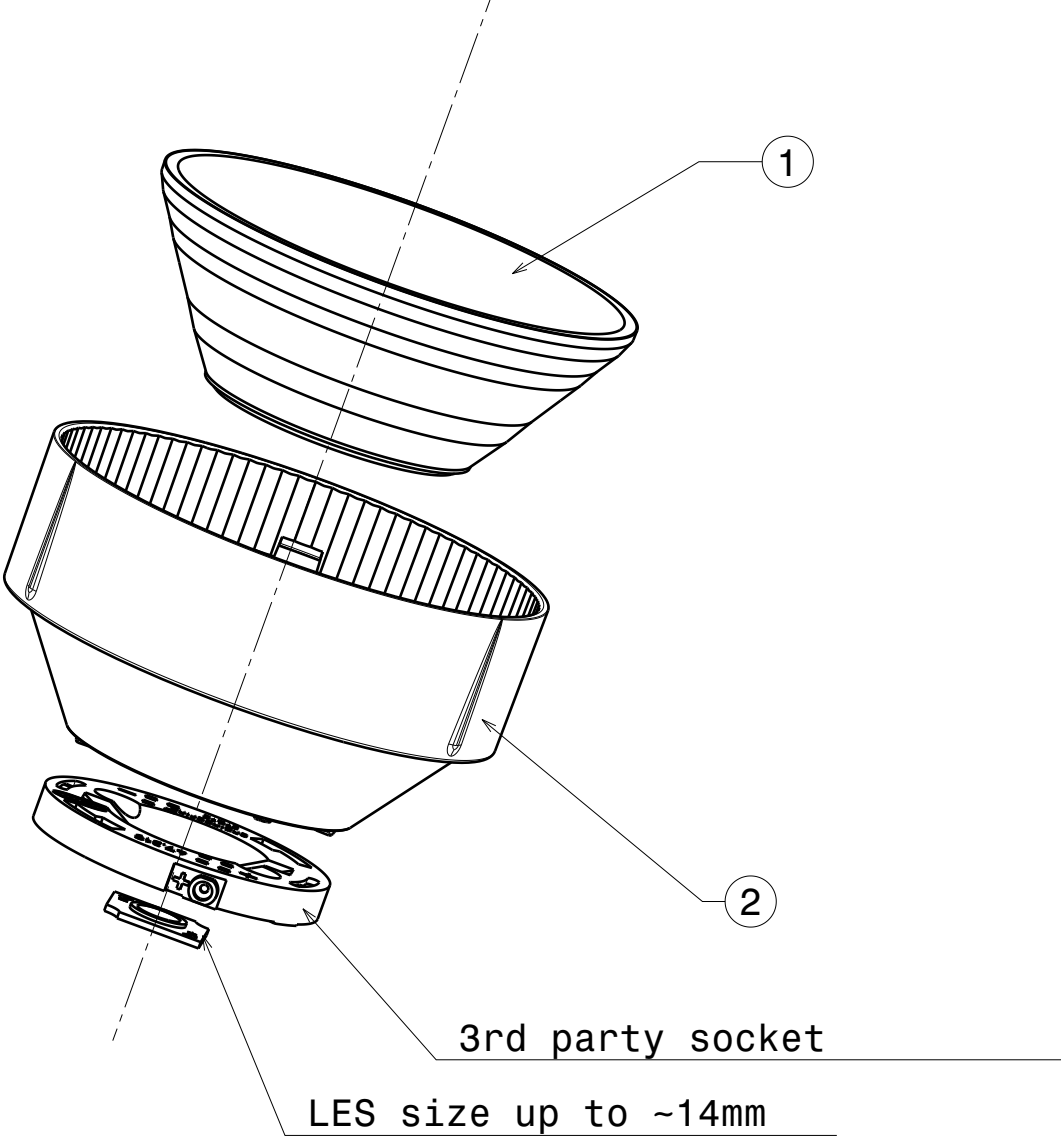
<b>Product Number</b>	CP15215_CARMEN-M-B
<b>Family</b>	CARMEN
<b>Type</b>	Assembly
<b>Color</b>	black
<b>Diameter</b>	69,5 mm
<b>Height</b>	36,26 mm
<b>Style</b>	round
<b>Optic Material</b>	PC,PMMA
<b>Holder Material</b>	
<b>Fastening</b>	socket
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	3/03/2017



## OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
CLU700/701	38 deg	Medium	81 %	1.900	BJB: 47.319.6060
CXA/B 13xx	38 deg	Medium	83 %	1.900	BJB: 47.319.6120
CXA/B 15xx	44 deg	Medium	80 %	1.600	BJB: 47.319.6101
COB D Series LES 9.8 mm	48 deg	Medium	76 %	1.240	BJB: 47.319.6060
COB D Series LES 9.8 mm	48 deg	Medium	76 %	1.240	A.A.G. STUCCHI: 8100/G2
MJT COB LES 6	38 deg	Medium	76 %	1.600	BJB: 47.319.6060

Example assembly:

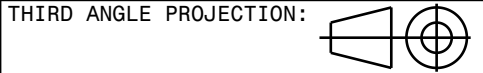


INDEX	PART NO	MATERIAL	COLOUR
1	CARMEN-LENS	PMMA	
2	F15211_CARMEN-HLD-B	PC	BLACK

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



DRAWING TITLE

CARMEN - B

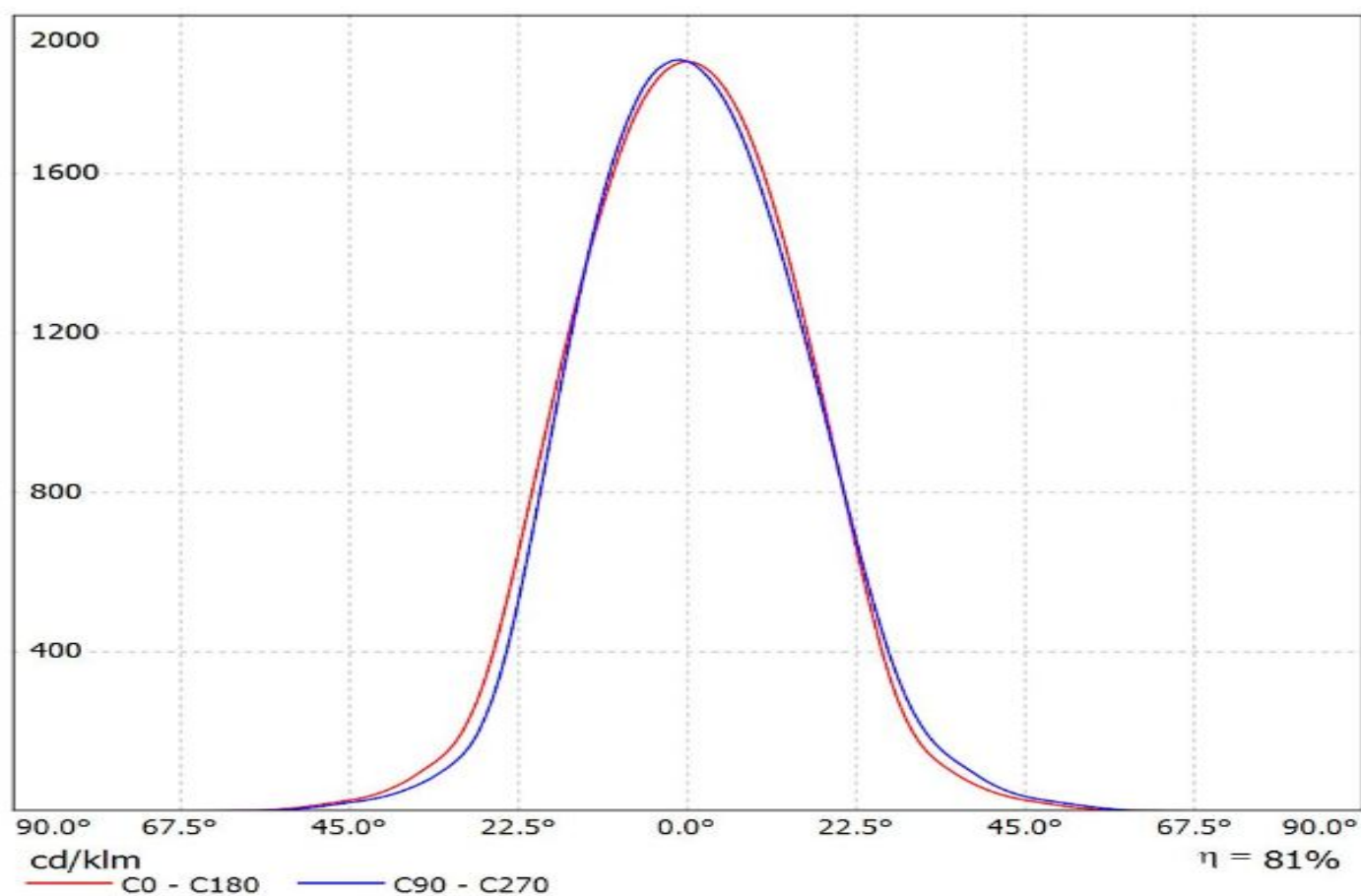
This drawing is the property  
of LEDiL Oy. It may not be  
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SIZE	PART NUMBER
A3	

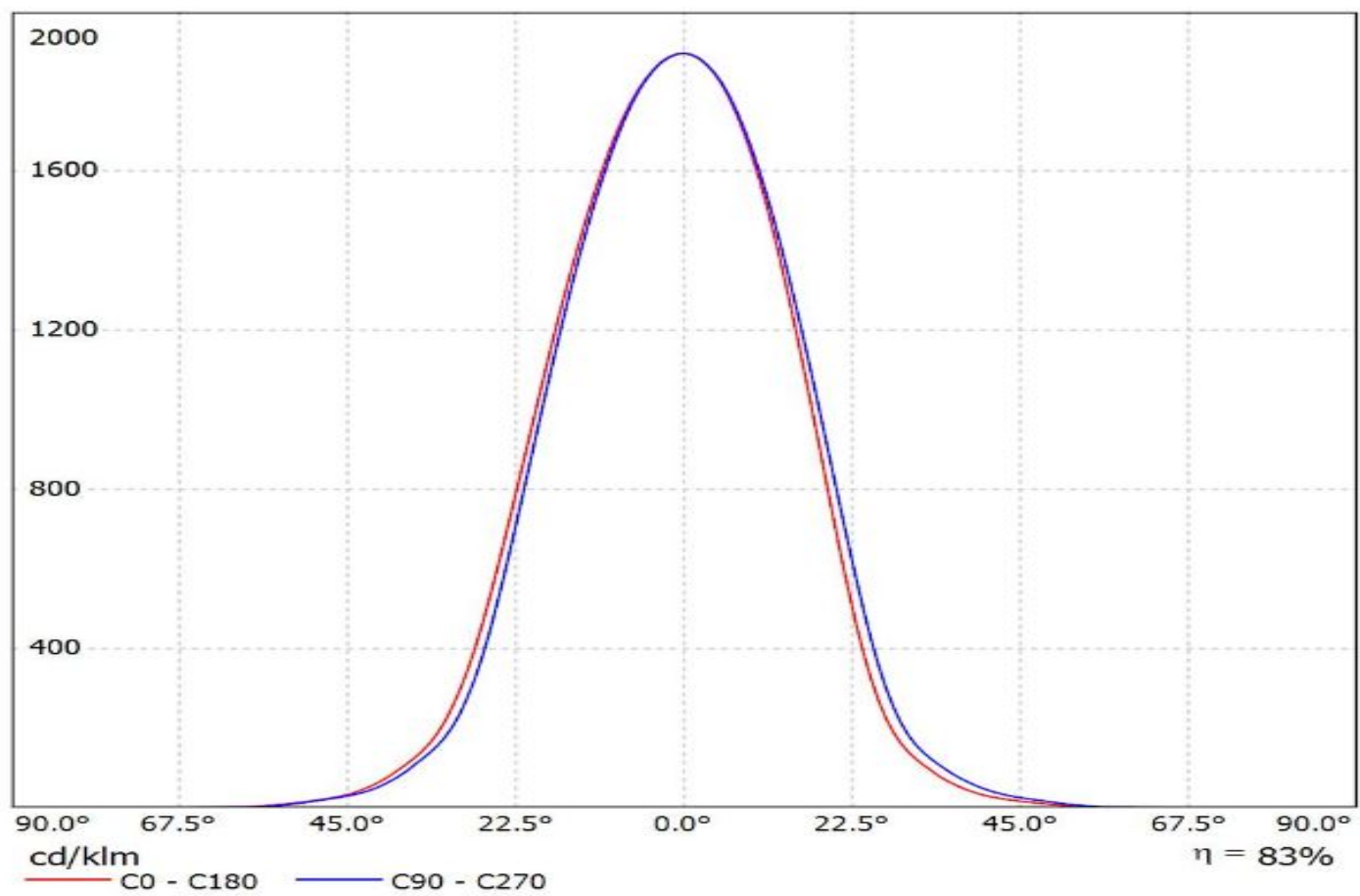
SCALE	1:1	WEIGHT		SHEET	1 / 1
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Luminaire: LEDiL Oy CP15215\_CARMEN-M-B\_(CLU700)

Lamps: 1 x Citizen\_CLU700\_(CLU700-1002B8-503M2G1)\_318.501lm@100mA\_P=2.81942W\_I=0.1A

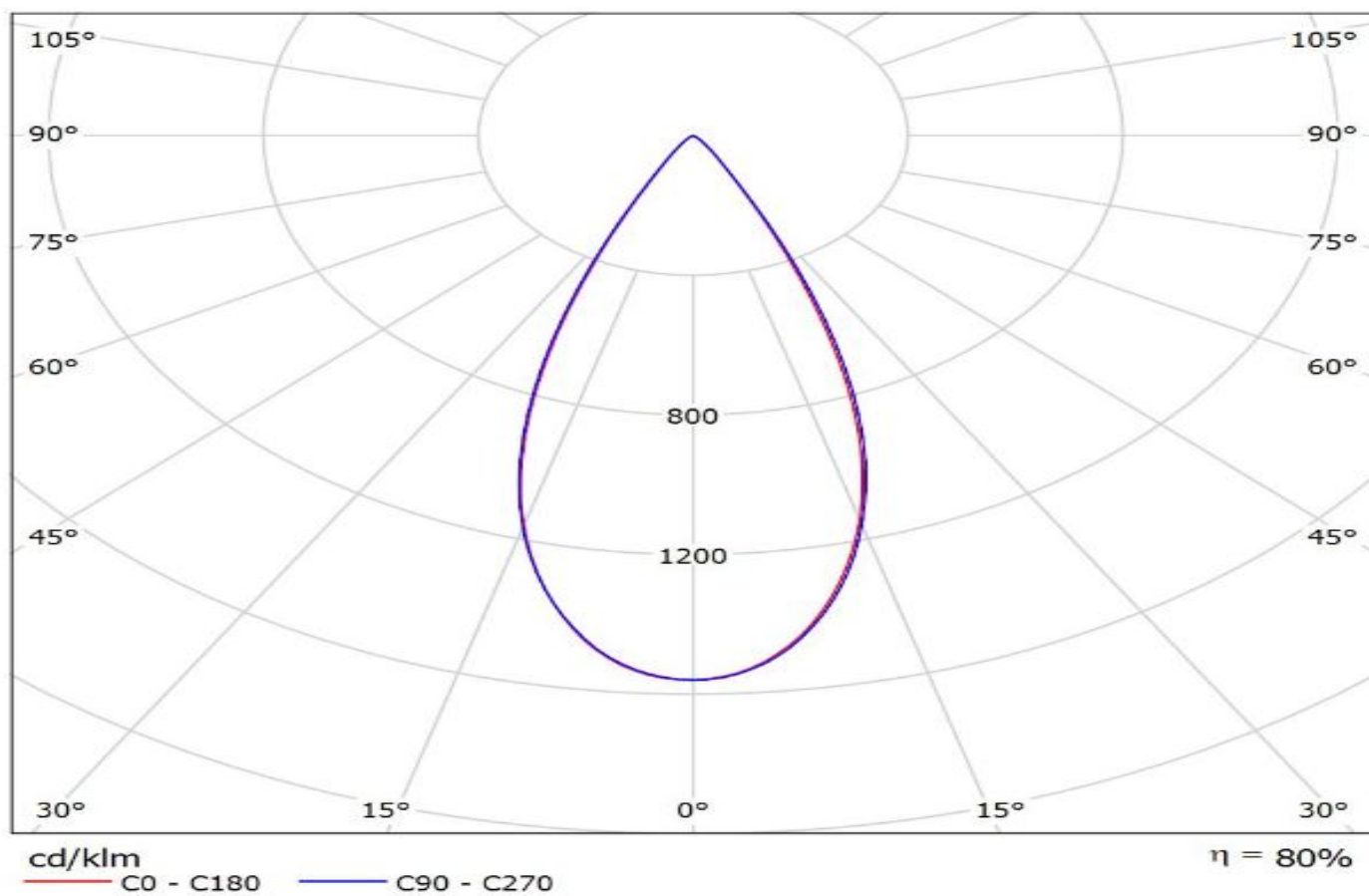


Luminaire: LEDiL Oy CP15215\_CARMEN-M-B\_(CXA1304)  
Lamps: 1 x Cree\_CXA1304\_(CXA1304-30F-B2-COH-00001)\_268.207lm@250mA\_P=2.20459W\_I=0.250A

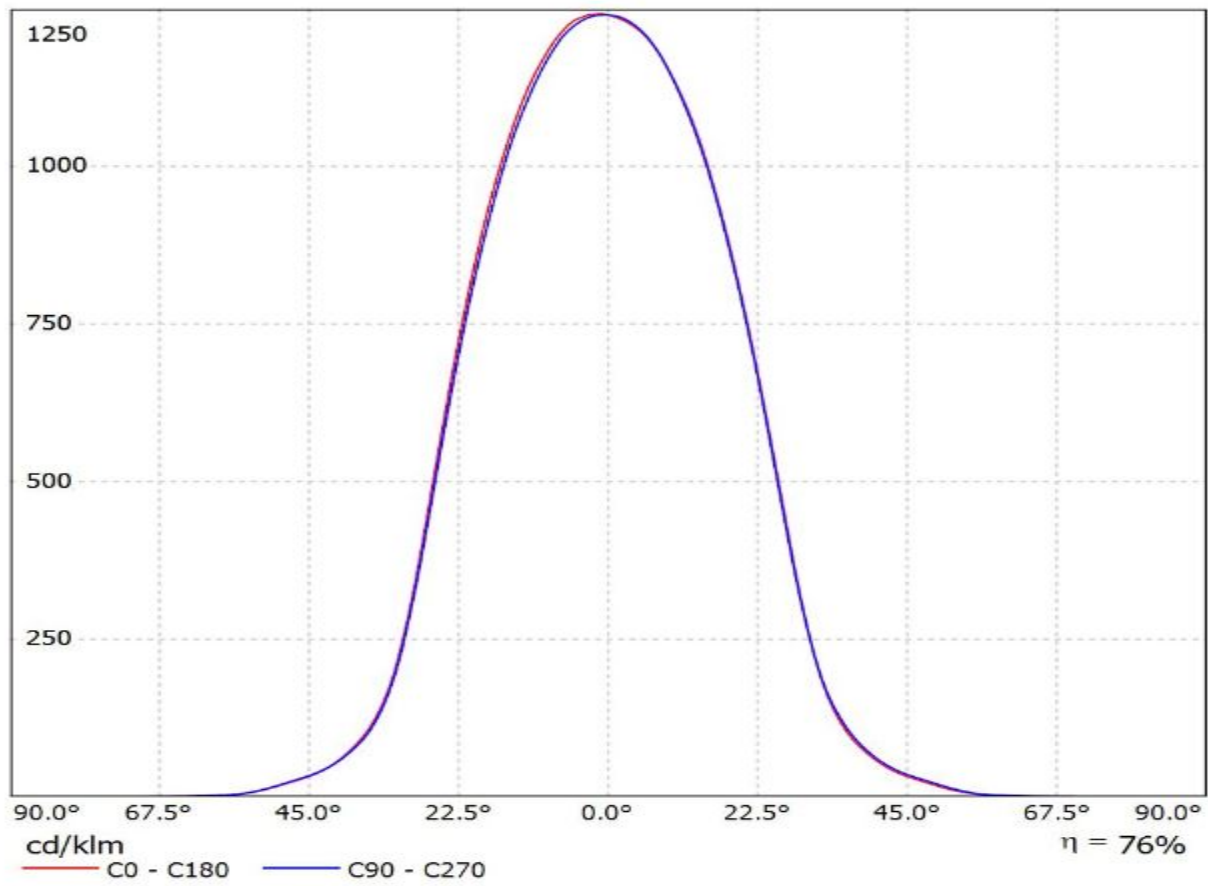


Luminaire: Ledil CP15215\_CARMEN-M-B\_(CXA1520)\_+\_ (BJB\_47.319.6100)

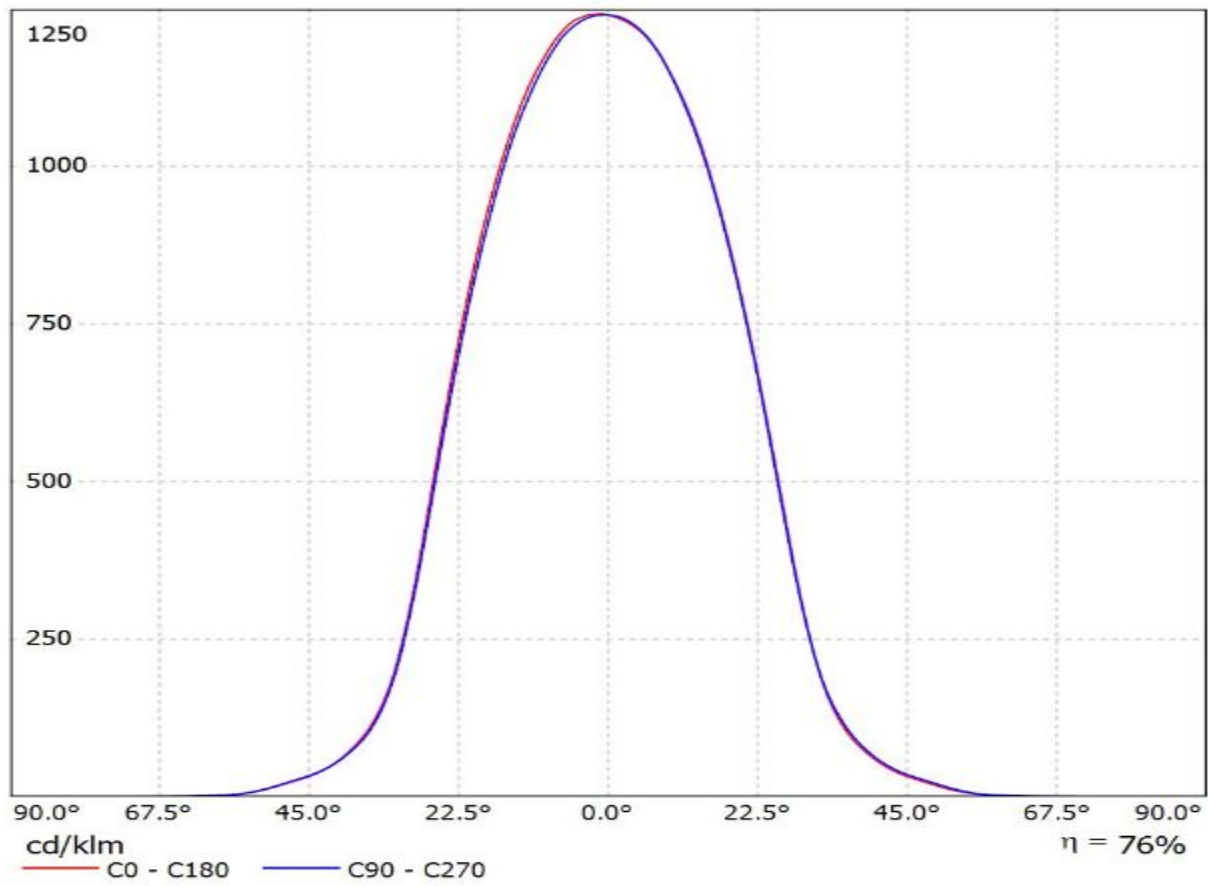
Lamps: 1 x Cree\_CXA1520\_(CXA1520-30F-N4-N0H-0001)\_1029.56lm@250mA\_P=8.6995W\_I=0.25A



Luminaire: LEDiL Oy CP15215\_CARMEN-M-B\_(Samsung\_COB\_D\_9.8mm  
Lamps: 1 x Samsung\_COB\_D\_series\_LES\_9.8mm\_LC013D\_CCT=4000K\_551.47lm@100mA\_P=3.2383W\_I=0.100A

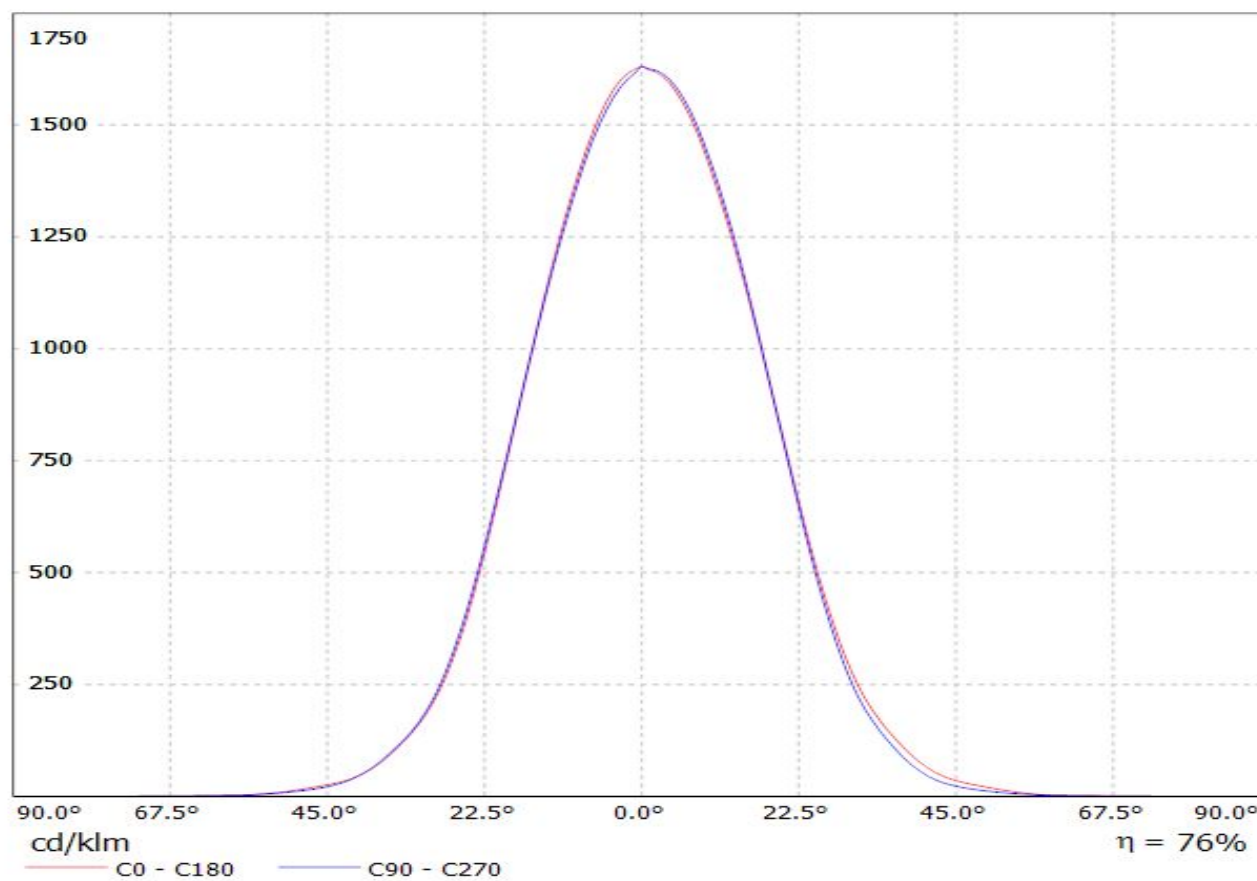


Luminaire: LEDiL Oy CP15215\_CARMEN-M-B\_(Samsung\_COB\_D\_9.8mm  
Lamps: 1 x Samsung\_COB\_D\_series\_LES\_9.8mm\_LC013D\_CCT=4000K\_551.47lm@100mA\_P=3.2383W\_I=0.100A



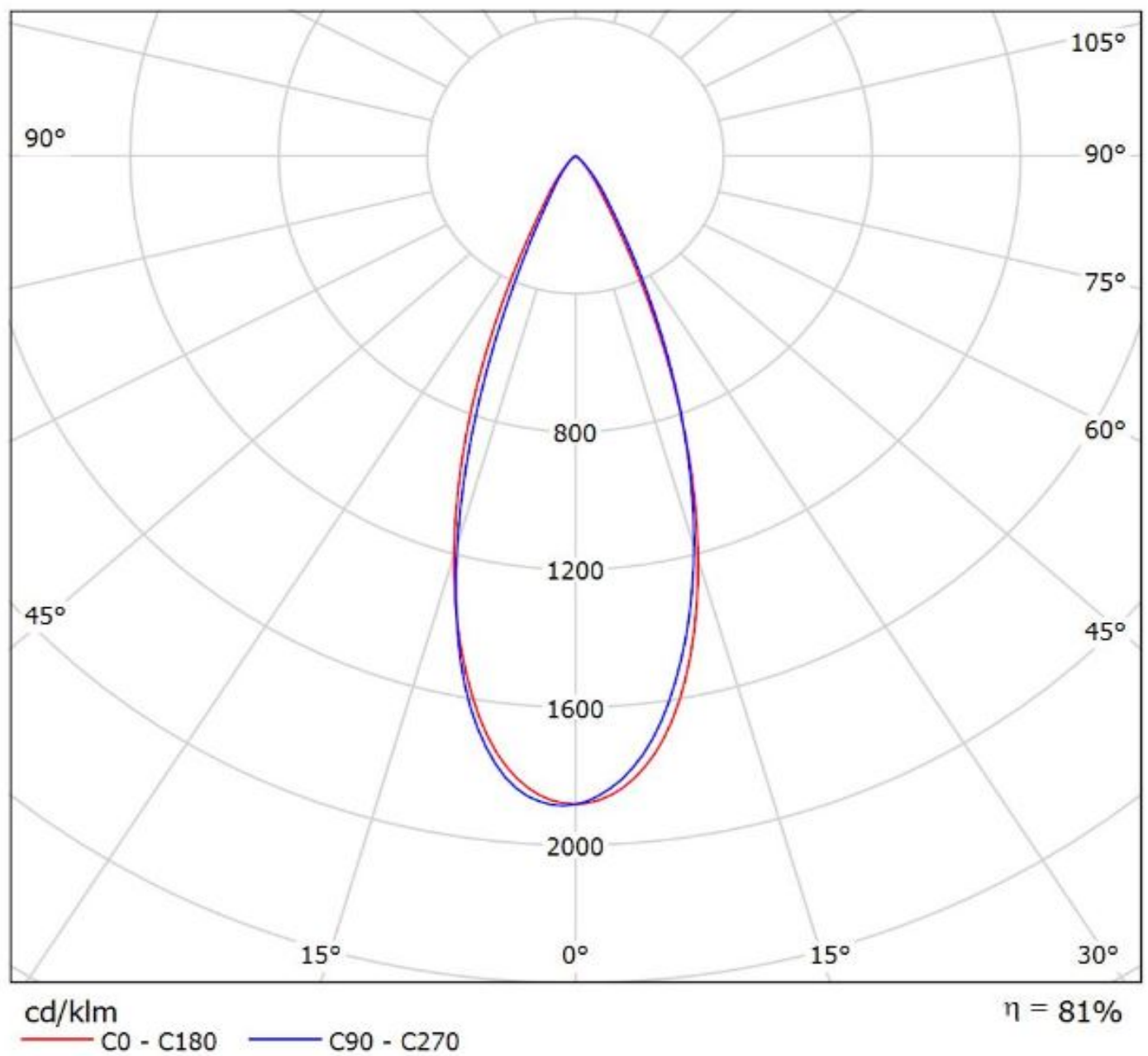
Luminaire: Ledil CP15215\_CARMEN-M-B\_(MJT\_6W\_Les6)

Lamps: 1 x Seoul\_MJT\_6W\_Les6mm\_(SAWx0661A)\_840.279lm@180mA\_P=6.52554W\_I=0.18A

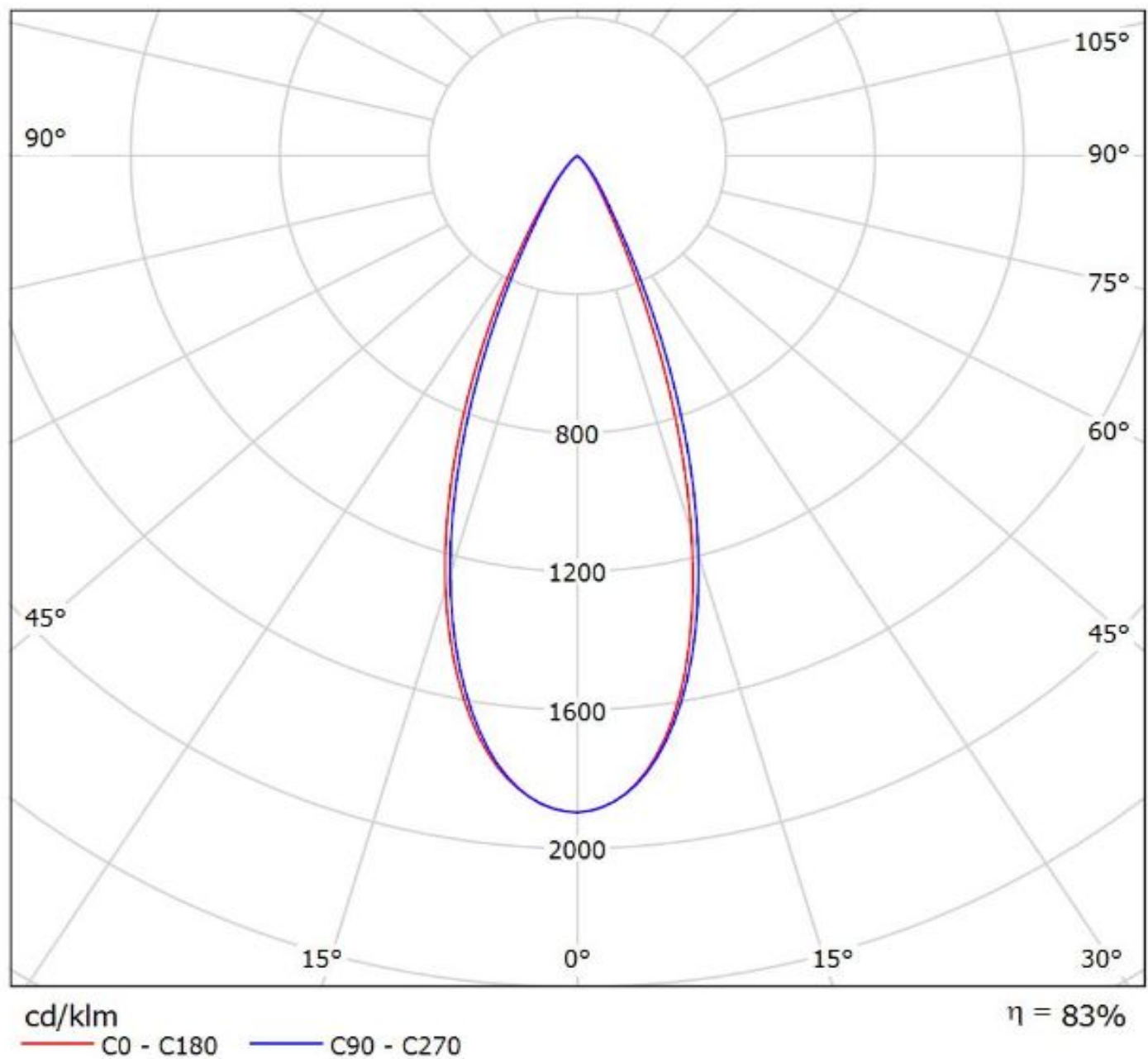




Luminaire: LEDiL Oy CP15215\_CARMEN-M-B\_(CLU700)  
Lamps: 1 x Citizen\_CLU700\_(CLU700-1002B8-503M2G1)\_318.501lm@100mA\_P=2.81942W\_I=0.1A

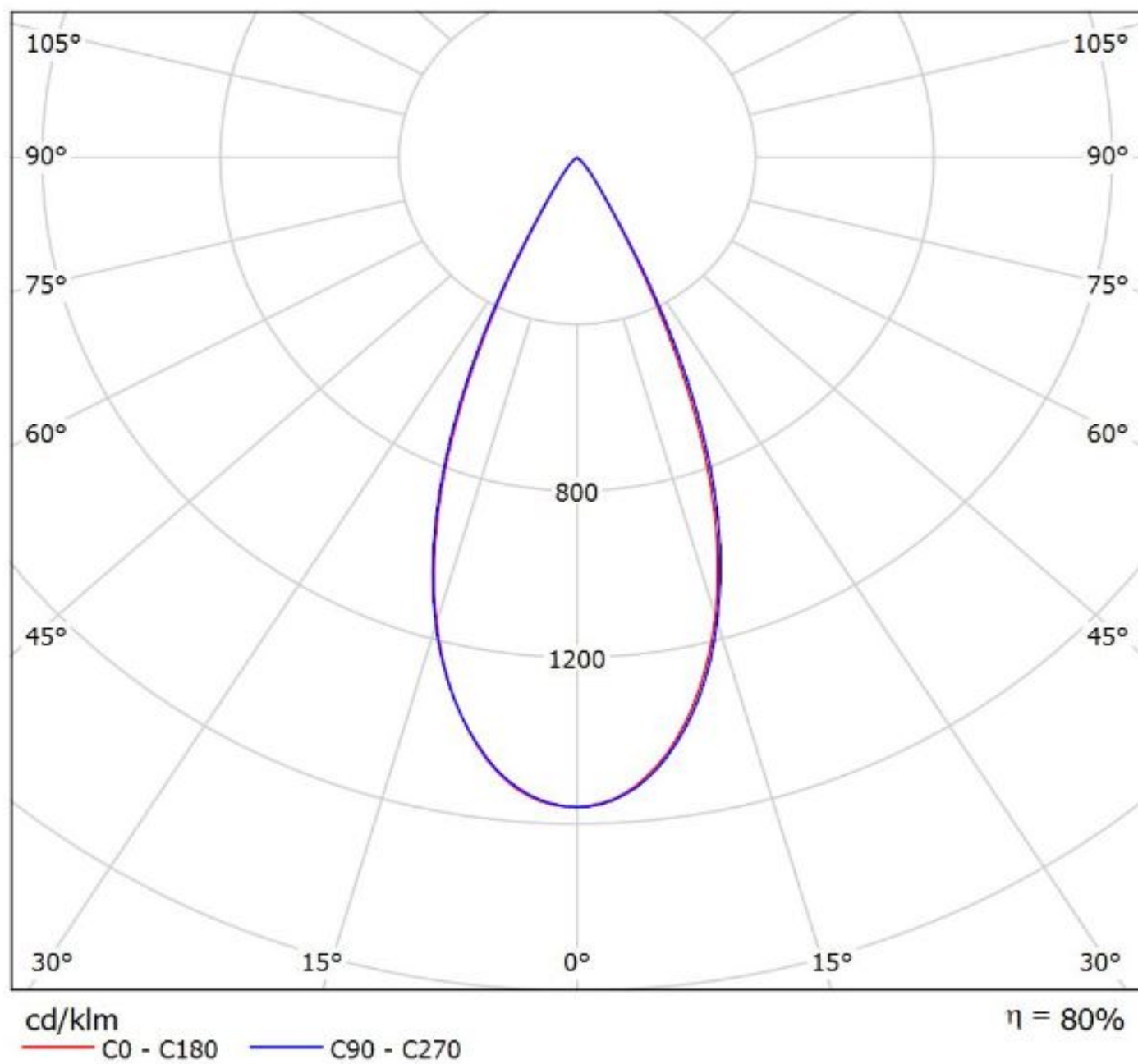


Luminaire: LEDiL Oy CP15215\_CARMEN-M-B\_(CXA1304)  
Lamps: 1 x Cree\_CXA1304\_(CXA1304-30F-B2-COH-00001)\_268.207lm@250mA\_P=2.20459W\_I=0.250A



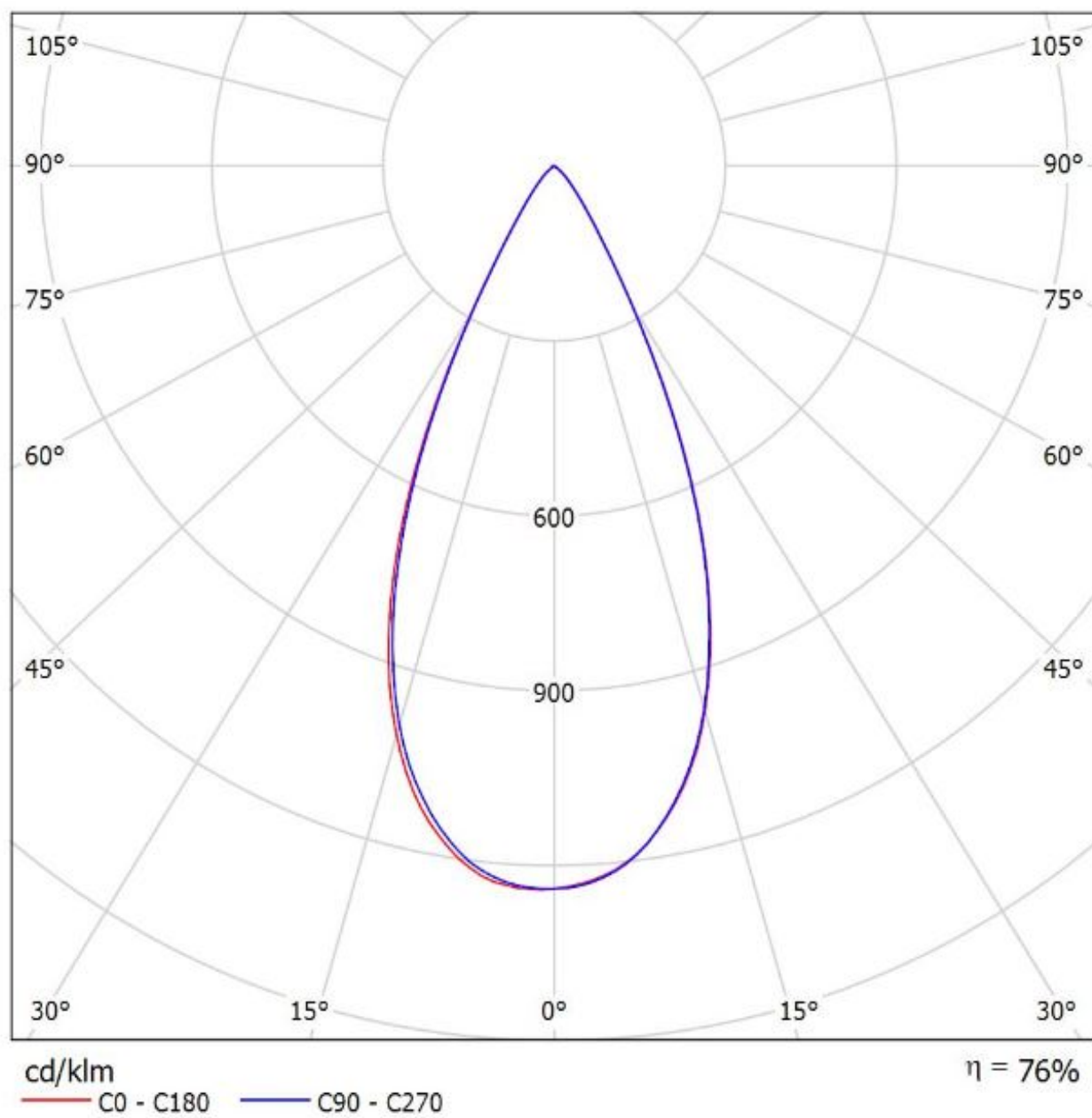
Luminaire: Ledil CP15215\_CARMEN-M-B\_(CXA1520)\_+\_ (BJB\_47.319.6100)

Lamps: 1 x Cree\_CXA1520\_(CXA1520-30F-N4-N0H-0001)\_1029.56lm@250mA\_P=8.6995W\_I=0.25A



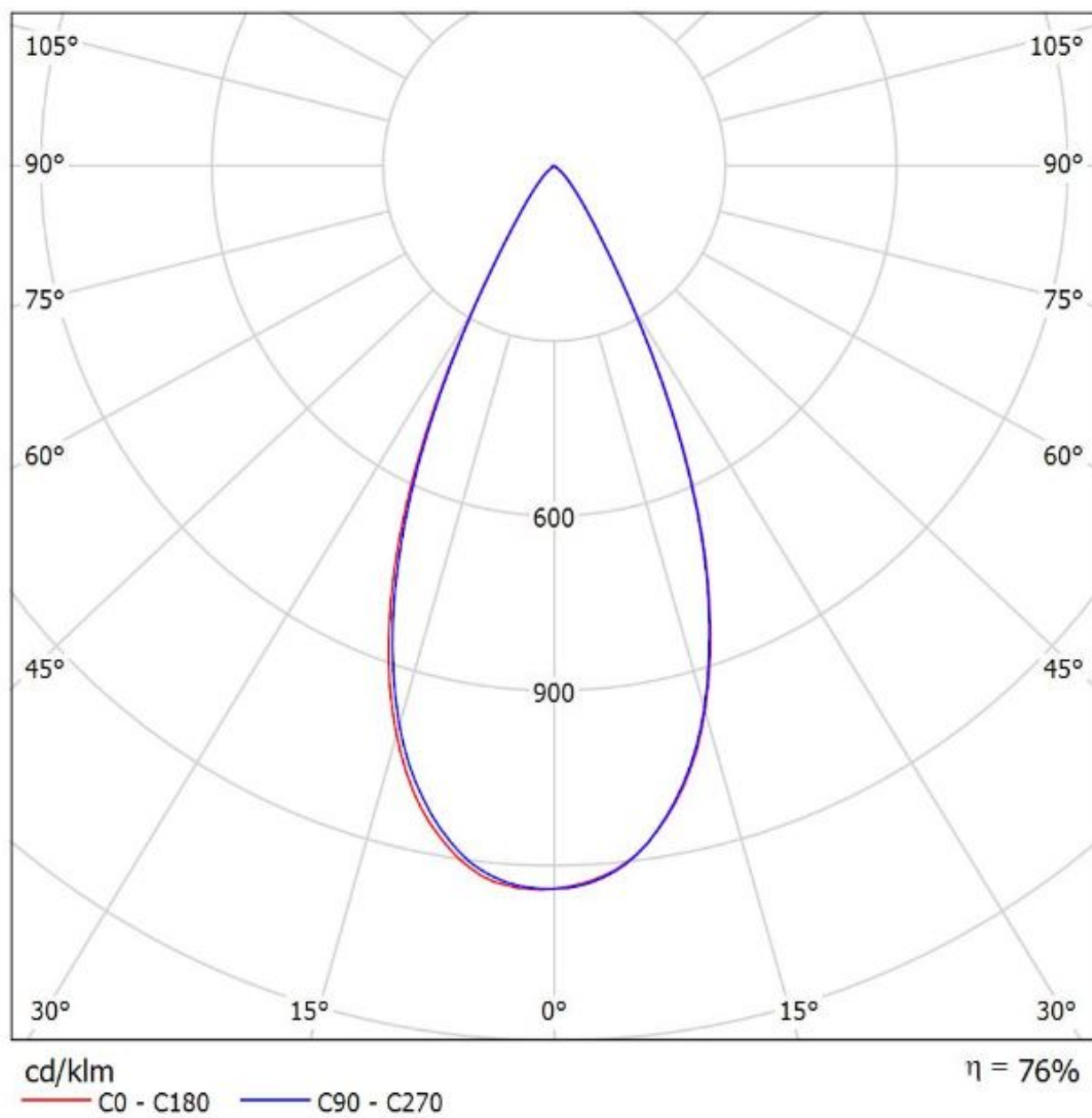
Luminaire: LEDiL Oy CP15215\_CARMEN-M-B\_(Samsung\_COB\_D\_9.8mm

Lamps: 1 x Samsung\_COB\_D\_series\_LES\_9.8mm\_LC013D\_CCT=4000K\_551.47lm@100mA\_P=3.2383W\_I=0.100A



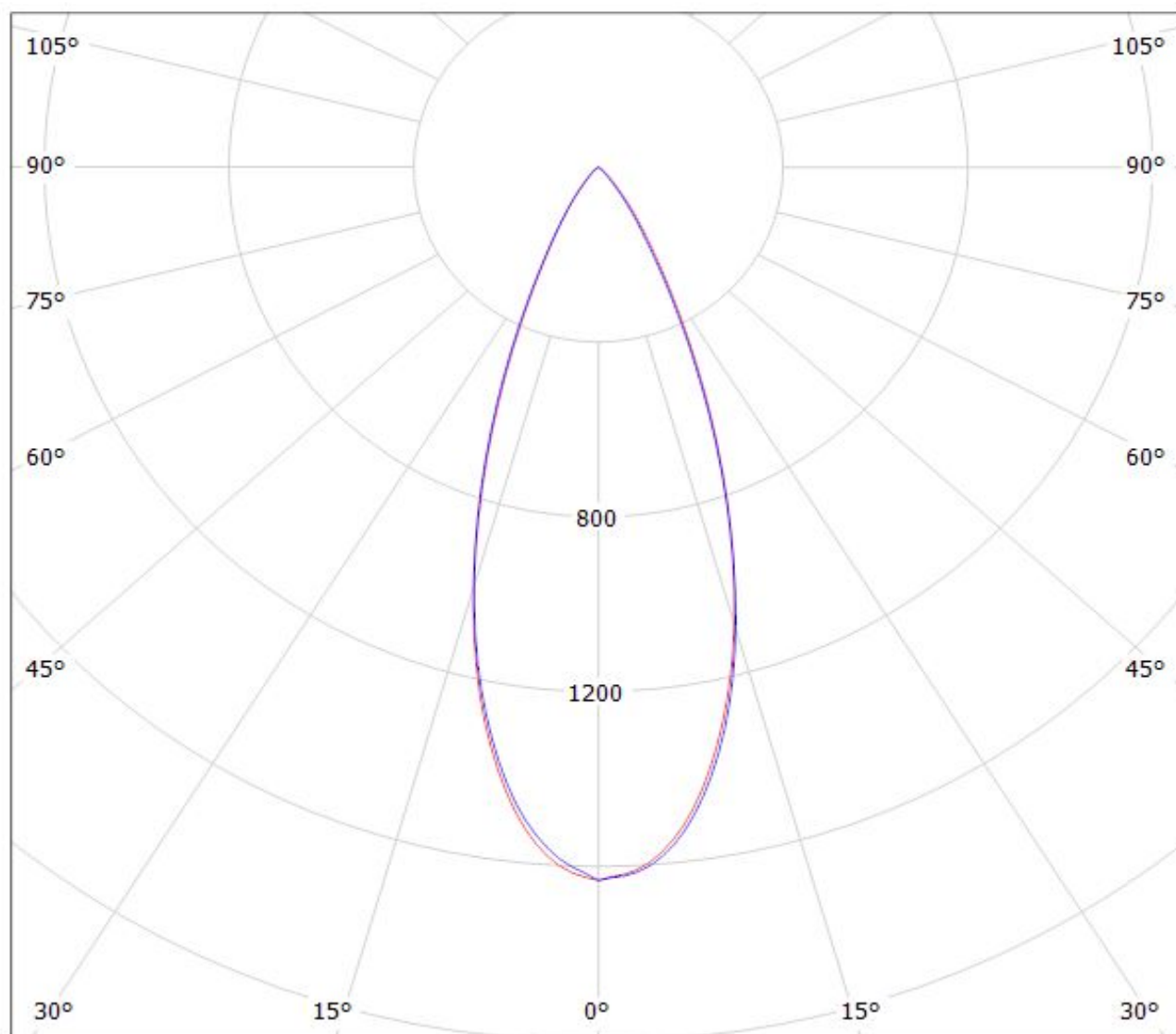
Luminaire: LEDiL Oy CP15215\_CARMEN-M-B\_(Samsung\_COB\_D\_9.8mm

Lamps: 1 x Samsung\_COB\_D\_series\_LES\_9.8mm\_LC013D\_CCT=4000K\_551.47lm@100mA\_P=3.2383W\_I=0.100A



Luminaire: Ledil CP15215\_CARMEN-M-B\_(MJT\_6W\_Les6)

Lamps: 1 x Seoul\_MJT\_6W\_Les6mm\_(SAWx0661A)\_840.279lm@180mA\_P=6.52554W\_I=0.18A



cd/klm

$\eta = 76\%$

— C0 - C180

— C90 - C270

**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.