

## DETAILS

<b>Product Number</b>	FN16258_STELLA-RS
<b>Family</b>	Stella
<b>Type</b>	Lens
<b>Color</b>	clear
<b>Diameter</b>	90 mm
<b>Height</b>	39,15 mm
<b>Style</b>	round
<b>Optic Material</b>	
<b>Holder Material</b>	
<b>Fastening</b>	screw
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	8/12/2017



## OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
VERO10	sim: 13	Real spot	sim: 94 %	sim: 11.900-	
V10 Gen7	sim: 14	Real spot	sim: 96 %	sim: 9.918	Bender Wirth: 434 Typ Z1
CLL04x/CLU04x	29 deg	Real spot	94 %	2.400	-
CXA/B 30xx	31 deg	Real spot	94 %	2.300	-
CXA/B 1816 & CXA/B 1820 & CXA 1850	18 deg	Real spot	94 %	6.500	-
CXA/B 25xx	sim: 25	Real spot	sim: 94 %	sim: 3.400	-
COB H-Type	30 deg	Real spot	94 %	2.200	-
COB J-Type	20 deg	Real spot	94 %	5.000	-

H G F E D C B A

4

3

2

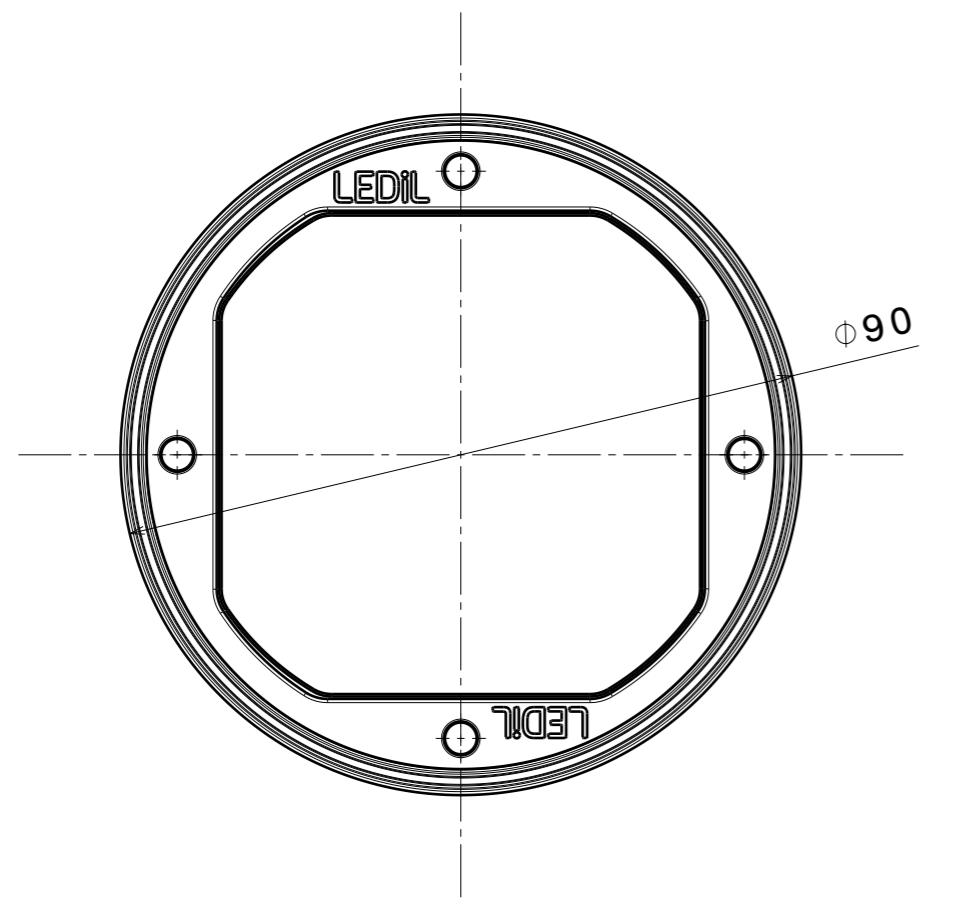
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4

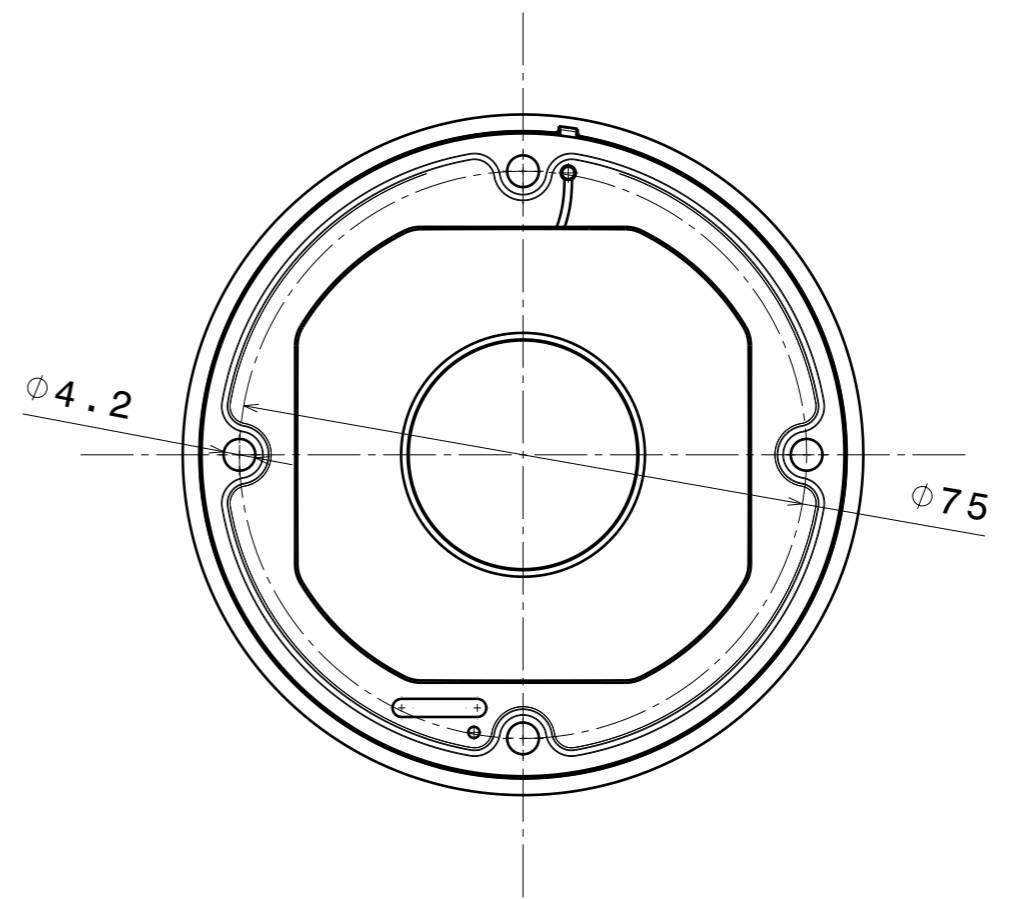
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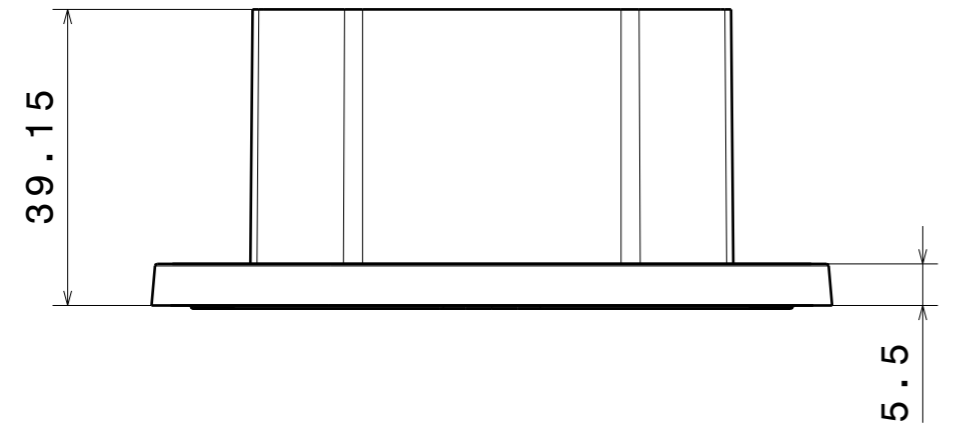
1



Top view



Bottom view



Front view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F16257	STELLA-RS	Optical grade LSR	
2	F13322	STELLA-FRAME	PA66GF30	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

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**FN16258\_STELLA-RS**

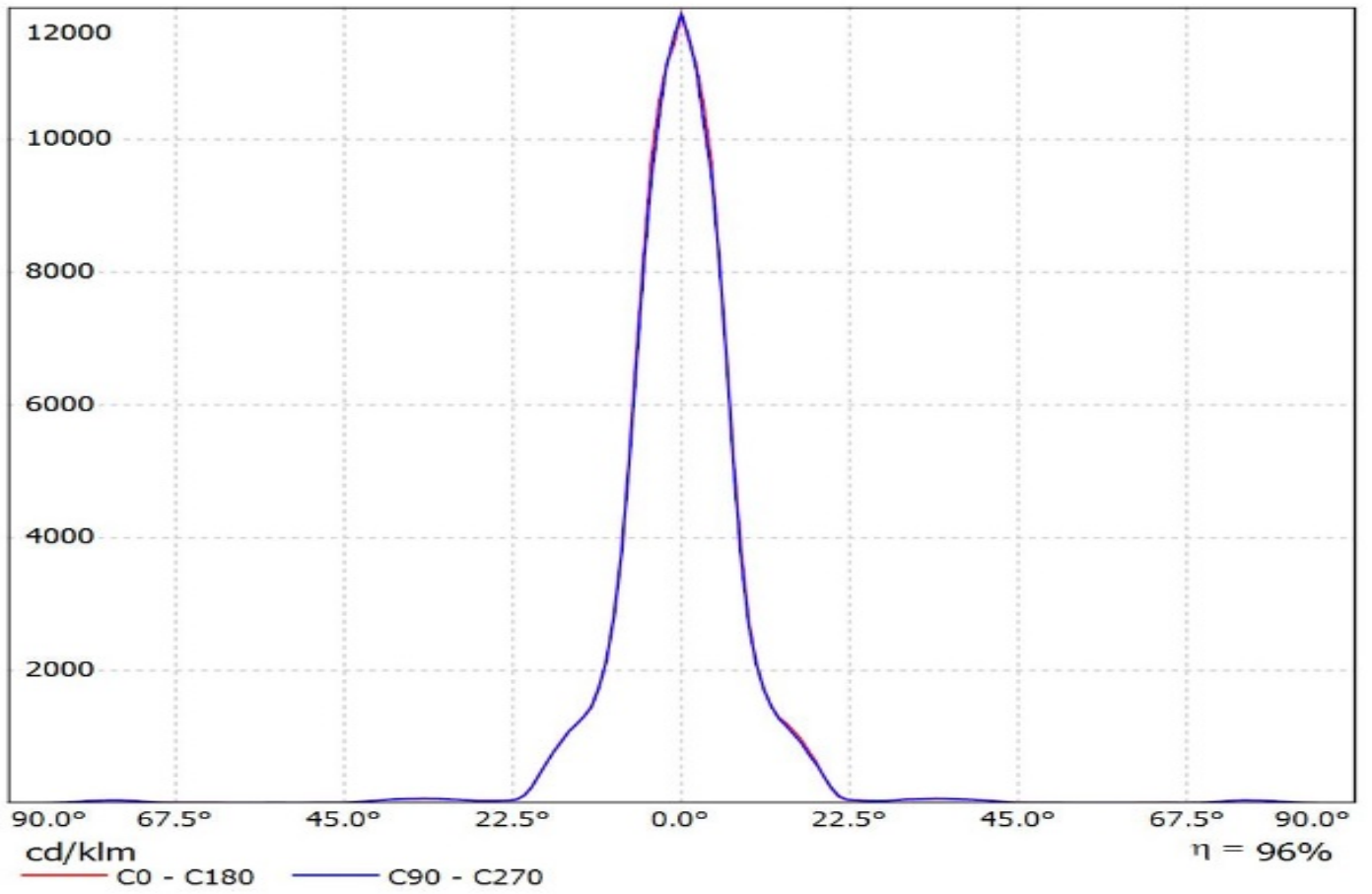
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SIZE: **A3** PART NUMBER: **FN16258**

SCALE: 1:1 WEIGHT: 94 g SHEET: 1/1

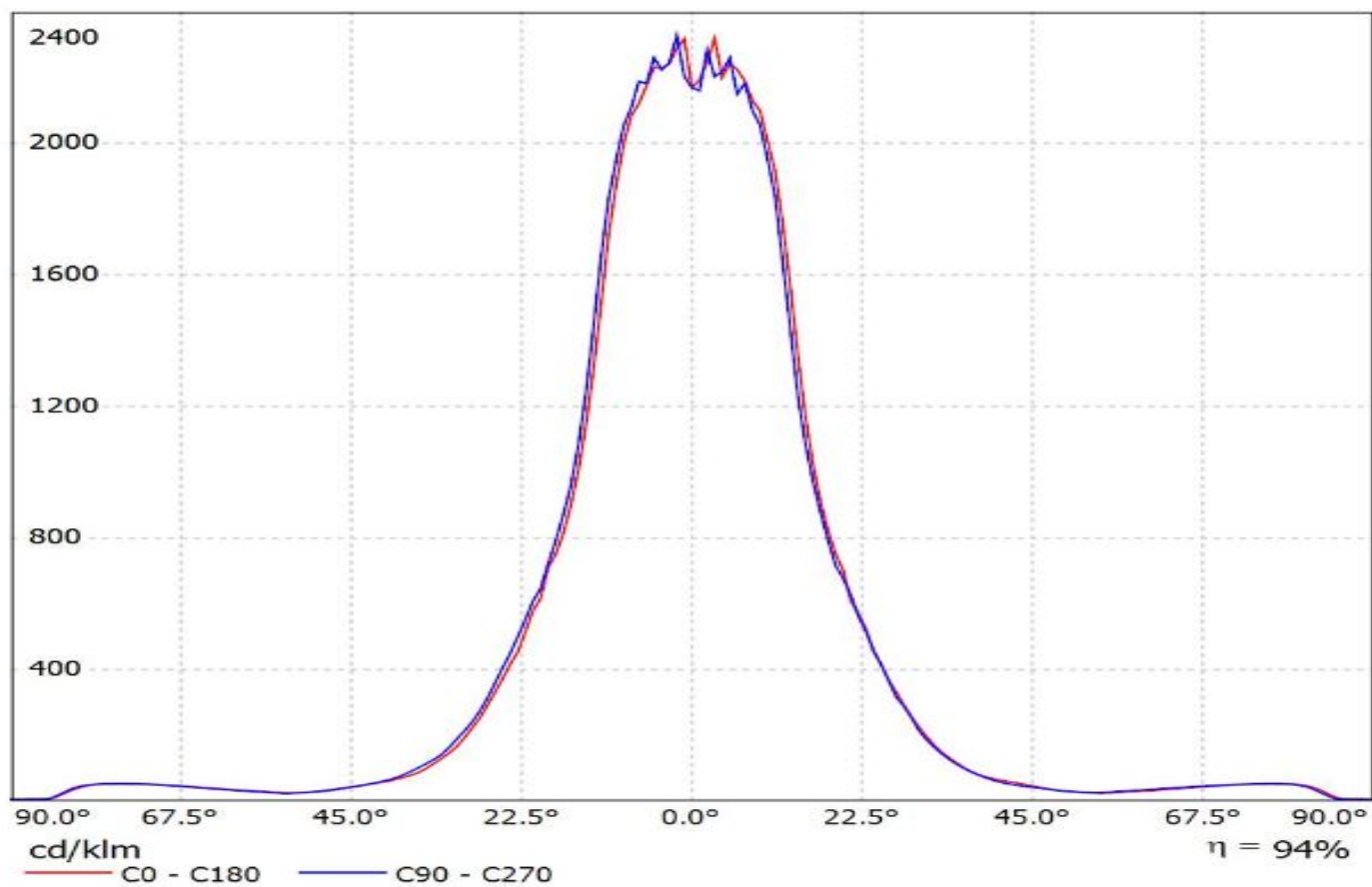
H G B A

Luminaire: Ledil Oy FN16258\_STELLA-RS\_(VERO10)\_SIMULATED  
Lamps: 1 x Bridgelux VERO10



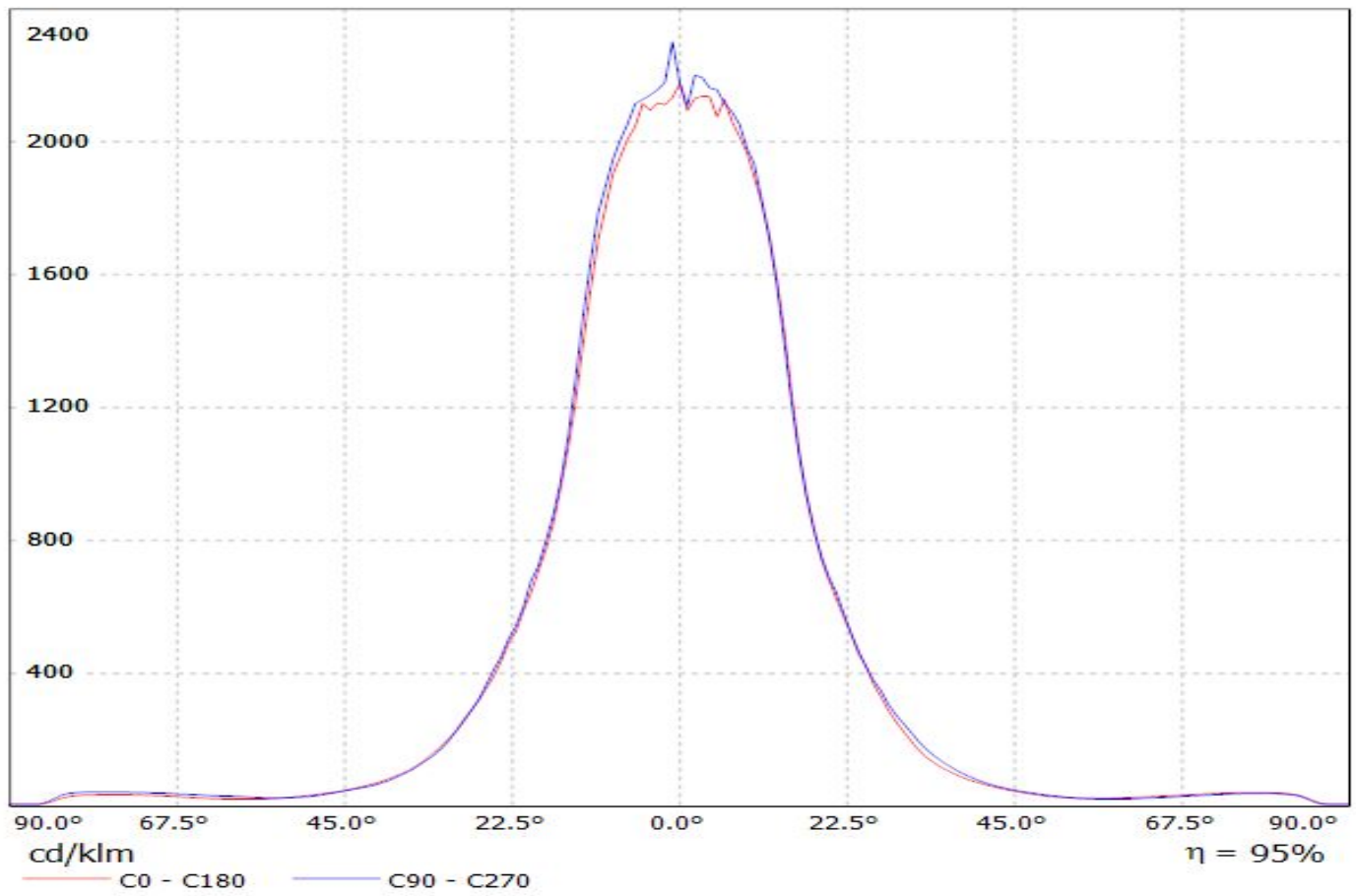
Luminaire: Ledil FN16258\_STELLA-RS\_(CLU046)

Lamps: 1 x Citizen\_CLU046\_(CLU046-1212C1-303M2G2)\_1346.2lm@250mA\_P=8.1135W\_U=32.467V



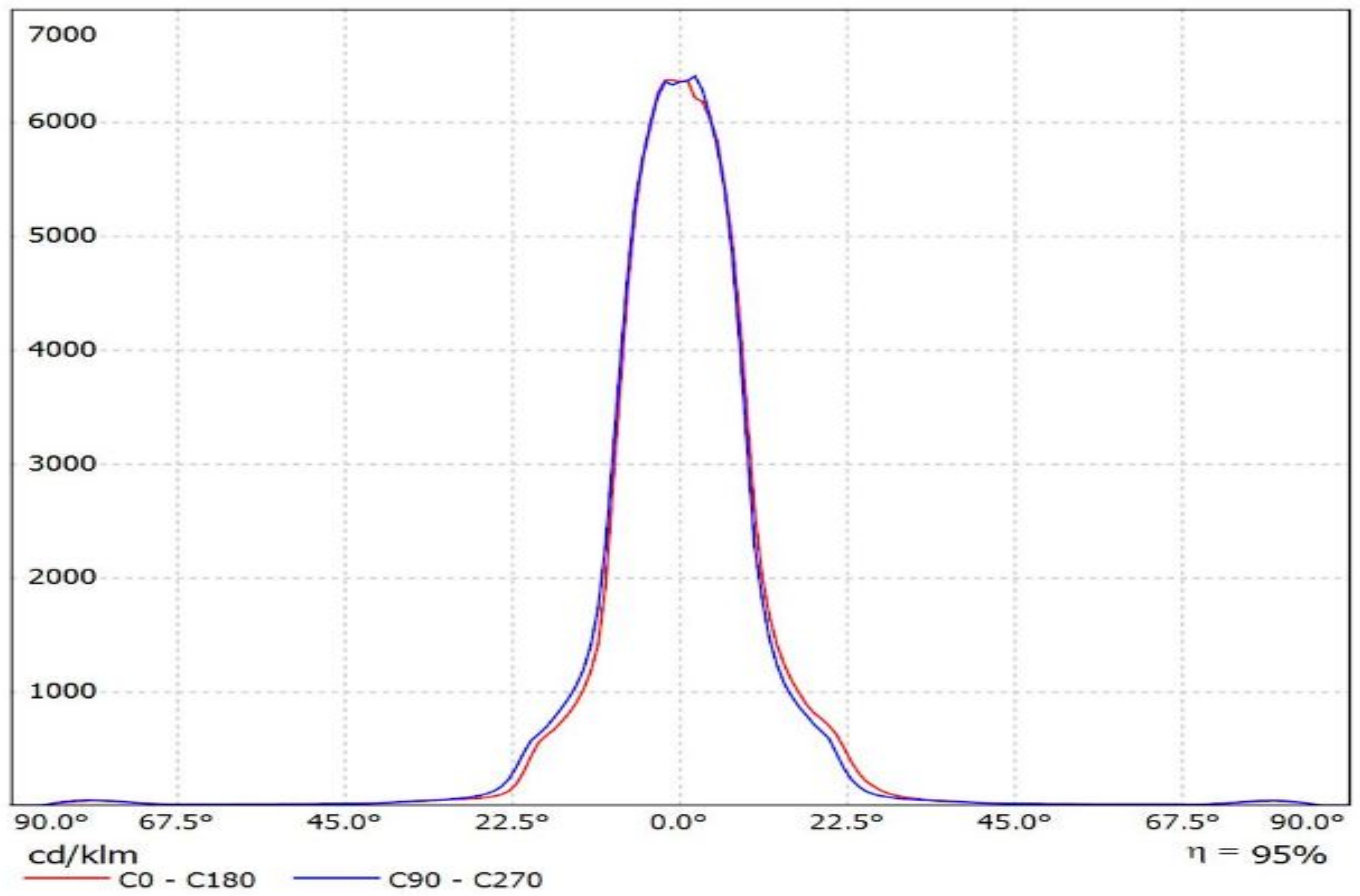
Luminaire: LEDiL Oy FN16258\_STELLA-RS\_(CXB3050)

Lamps: 1 x Cree\_CXB3050\_(CXB3050-30G-X4-N0H-001)\_1267.32lm@250mA\_P=7.86096W\_I=0.25A

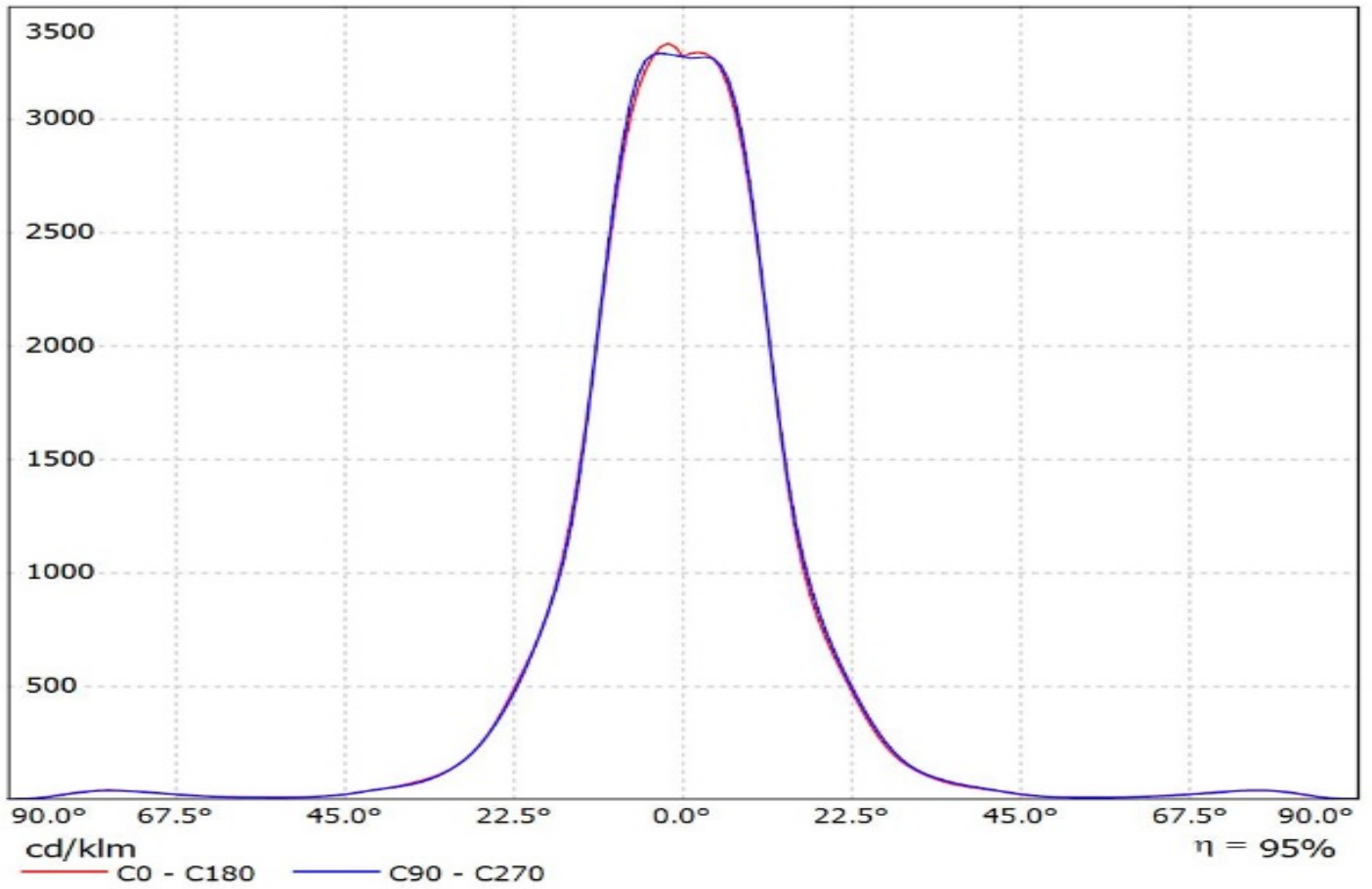


Luminaire: Ledil FN16258\_STELLA-RS\_(CXB1820)

Lamps: 1 x Cree\_CXB1820\_(CXB1820-40G-S2-N0H-00001)\_1336.39lm@250mA\_P=8.38315W\_U=33.545V

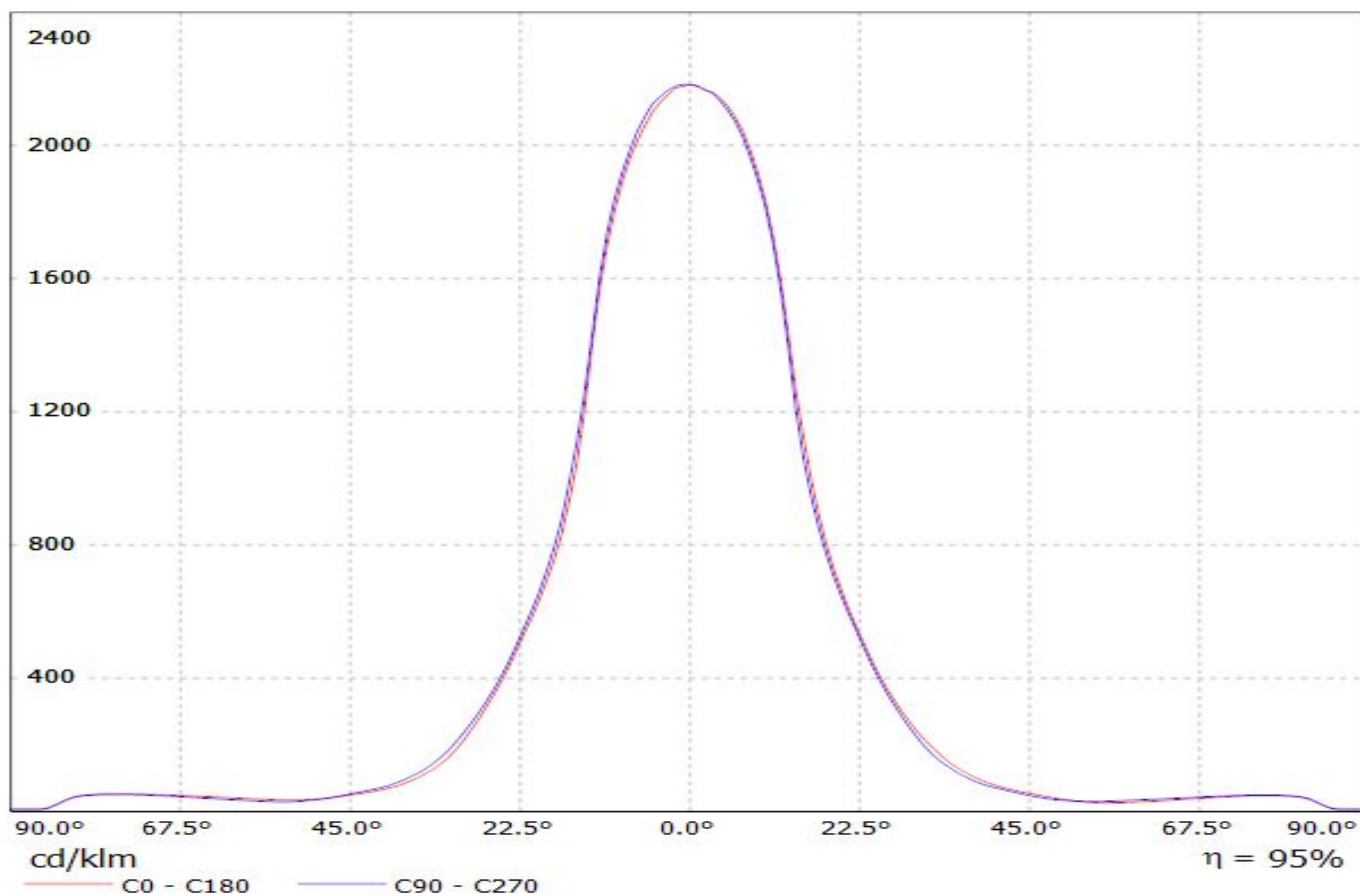


Luminaire: Ledil Oy FN16258\_STELLA-RS\_(CXB25xx)\_SIMULATED  
Lamps: 1 x Cree CXB2540



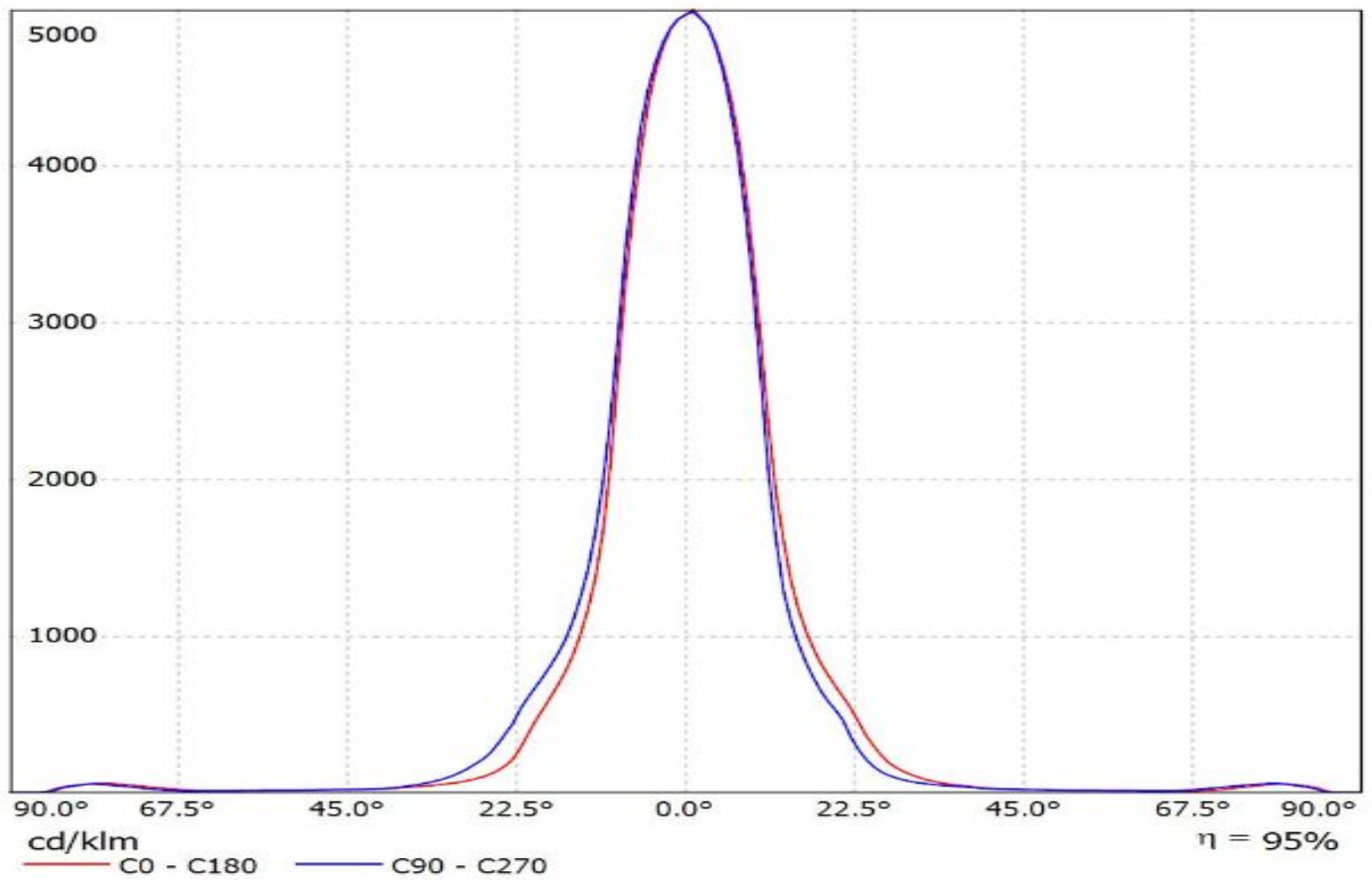
Luminaire: LEDiL Oy FN16258\_STELLA-RS\_(NFEWH306B-V2E)

Lamps: 1 x Nichia\_NFEWH306B-V2E\_2183.86lm@250mA\_P=11.9135W\_U=47.692V

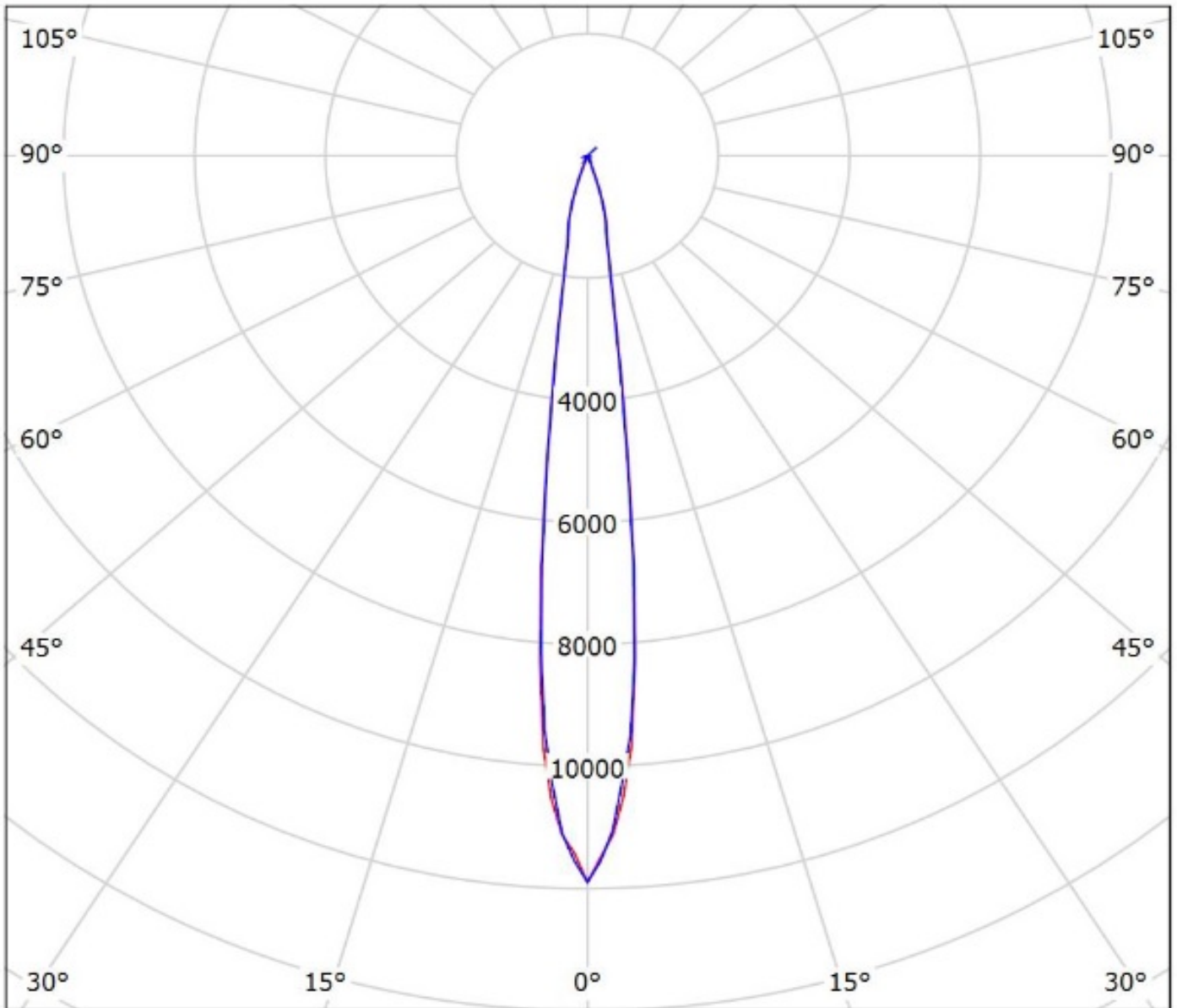


Luminaire: Ledil FN16258\_STELLA-RS\_(NFDLJ130B)

Lamps: 1 x Nichia\_NFDLJ130B\_1399.61m@250mA\_CCT=4000K\_P=8.82847W\_U=35.328V



Luminaire: Ledil Oy FN16258\_STELLA-RS\_(VERO10)\_SIMULATED  
Lamps: 1 x Bridgelux VERO10



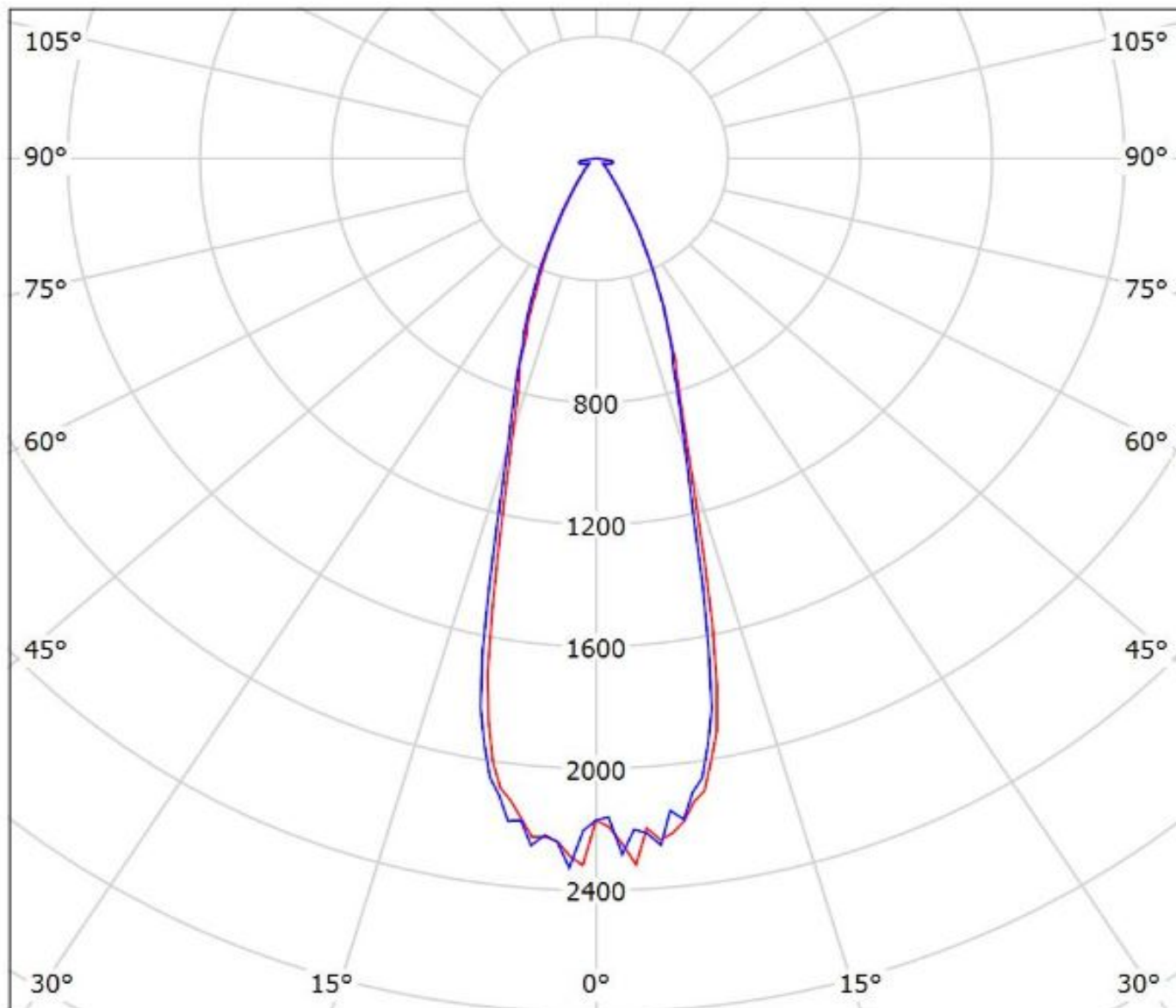
cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: Ledil FN16258\_STELLA-RS\_(CLU046)

Lamps: 1 x Citizen\_CLU046\_(CLU046-1212C1-303M2G2)\_1346.2lm@250mA\_P=8.1135W\_U=32.467V



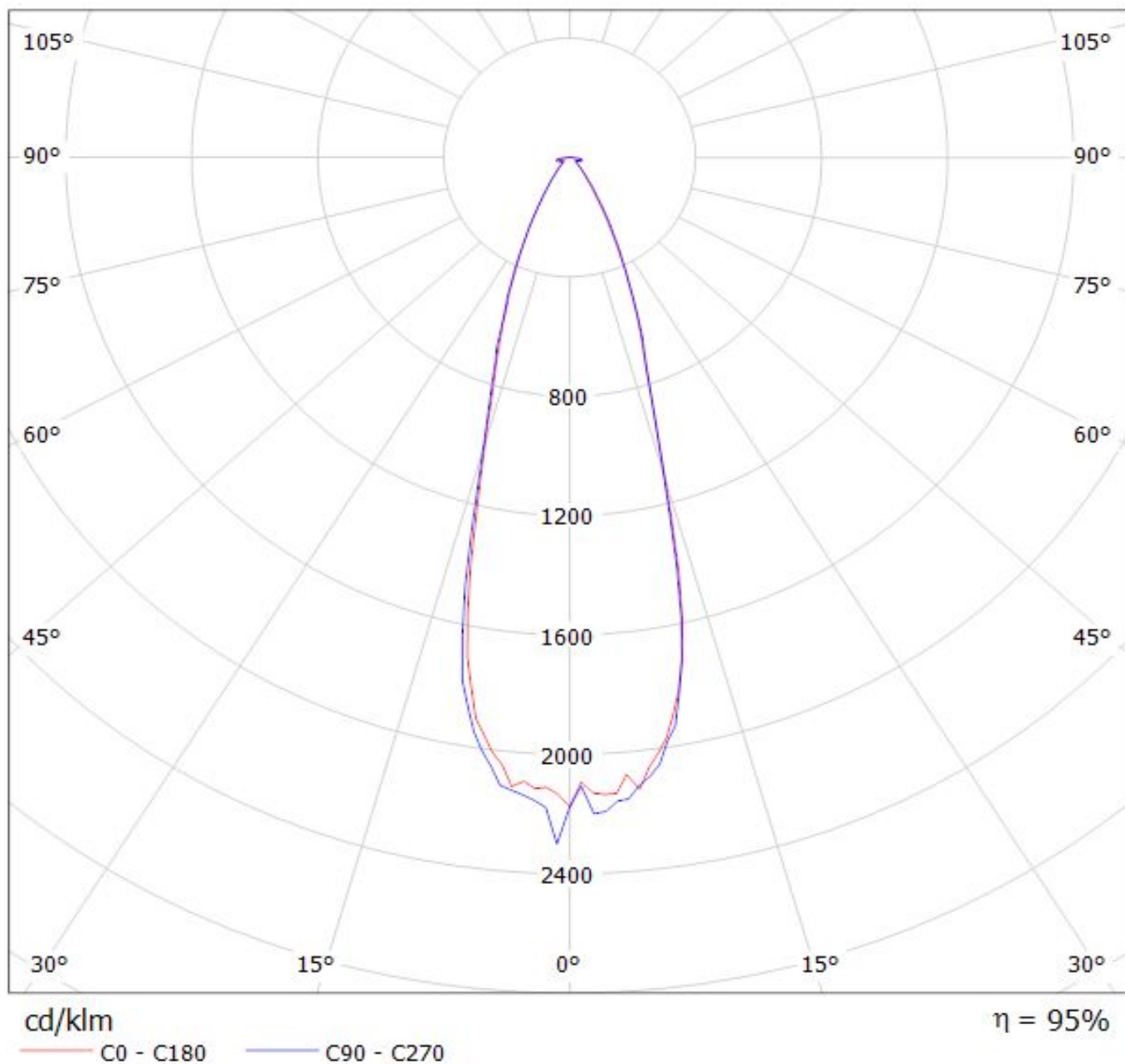
cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

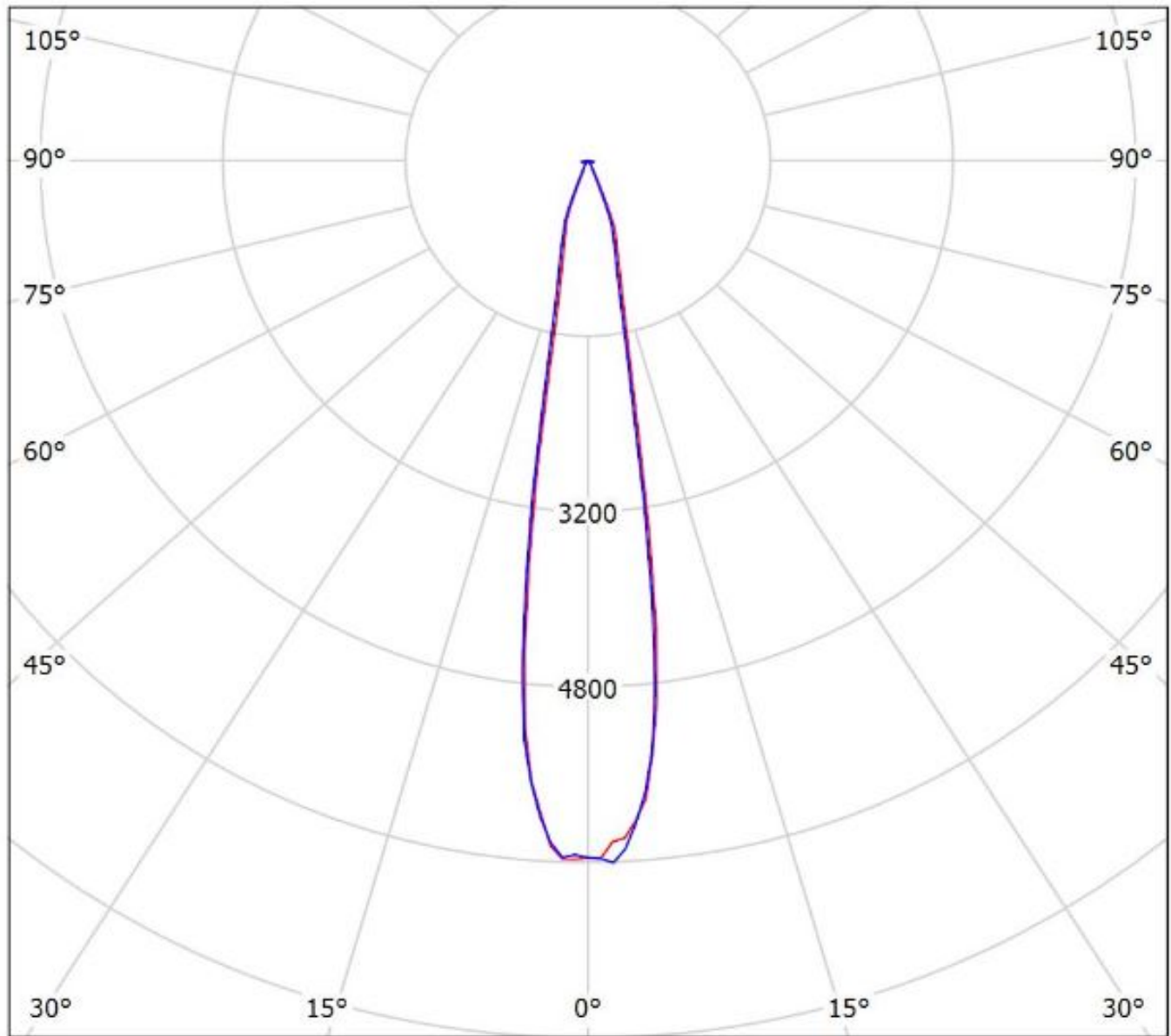
Luminaire: LEDiL Oy FN16258\_STELLA-RS\_(CXB3050)

Lamps: 1 x Cree\_CXB3050\_(CXB3050-30G-X4-N0H-001)\_1267.32lm@250mA\_P=7.86096W\_I=0.25A



Luminaire: Ledil FN16258\_STELLA-RS\_(CXB1820)

Lamps: 1 x Cree\_CXB1820\_(CXB1820-40G-S2-N0H-00001)\_1336.39lm@250mA\_P=8.38315W\_U=33.545V



cd/klm

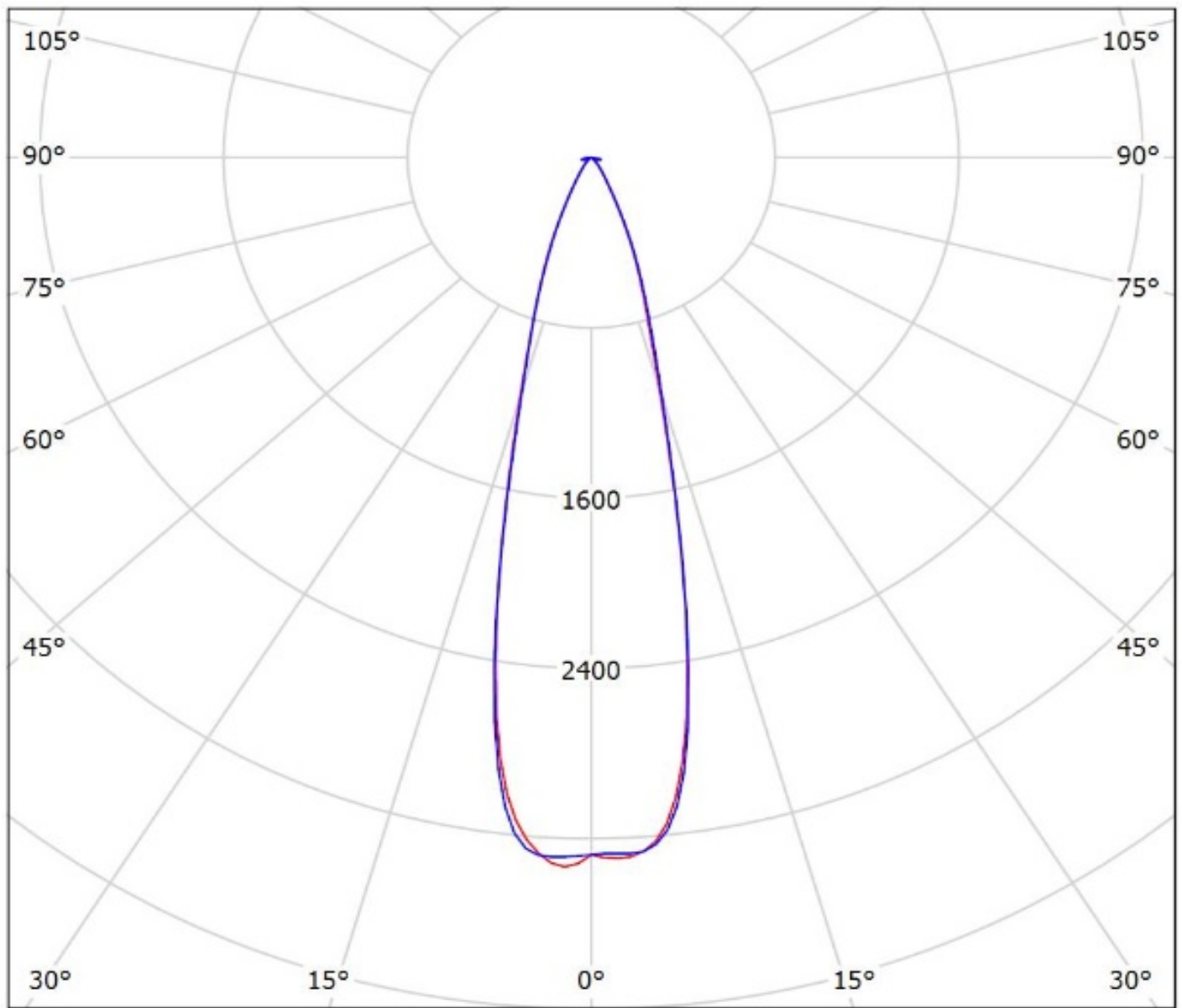
— C0 - C180

— C90 - C270

$\eta = 95\%$

Luminaire: Ledil Oy FN16258\_STELLA-RS\_(CXB25xx)\_SIMULATED

Lamps: 1 x Cree CXB2540



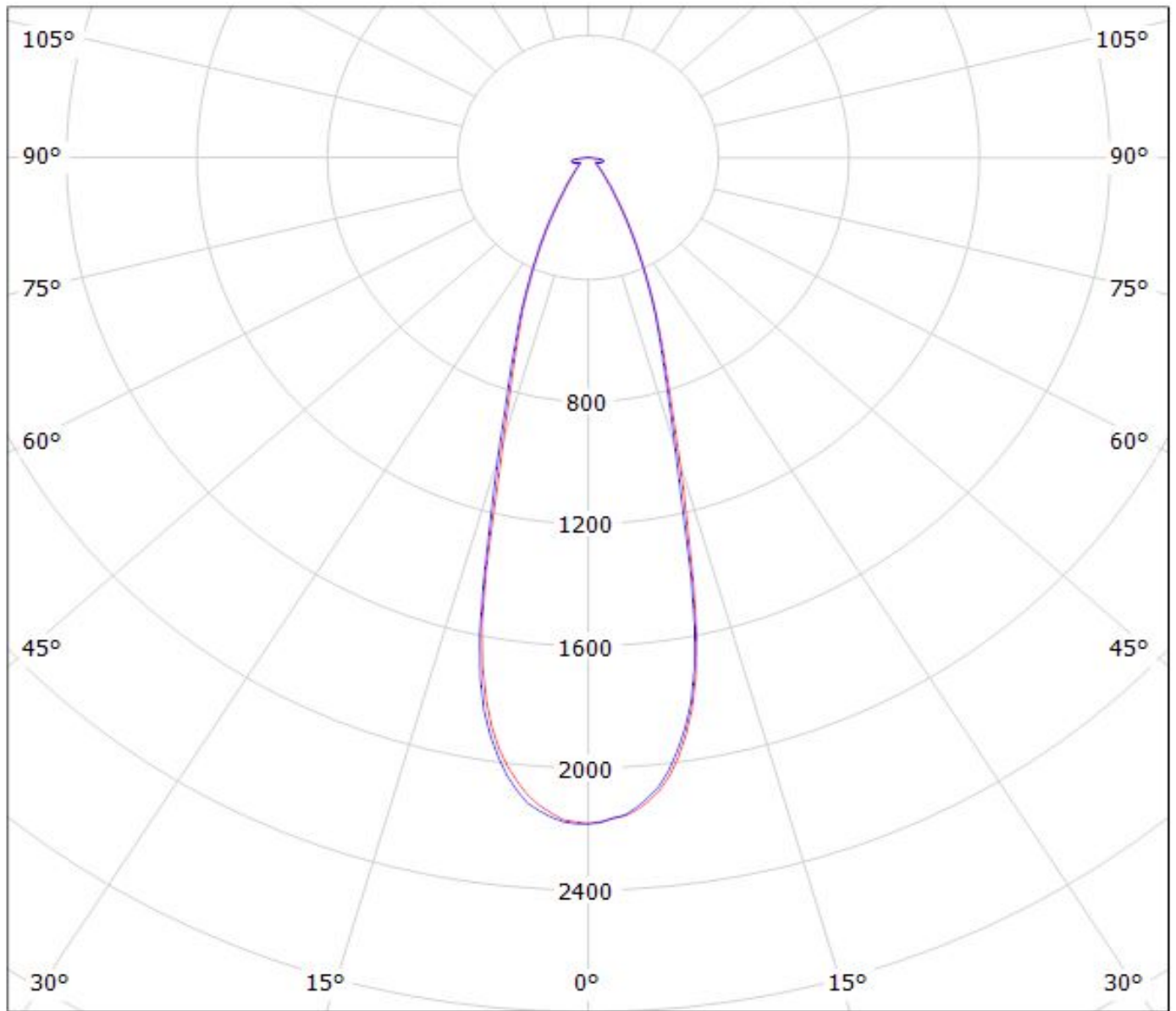
cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy FN16258\_STELLA-RS\_(NFEWH306B-V2E)

Lamps: 1 x Nichia\_NFEWH306B-V2E\_2183.86lm@250mA\_P=11.9135W\_U=47.692V



cd/klm

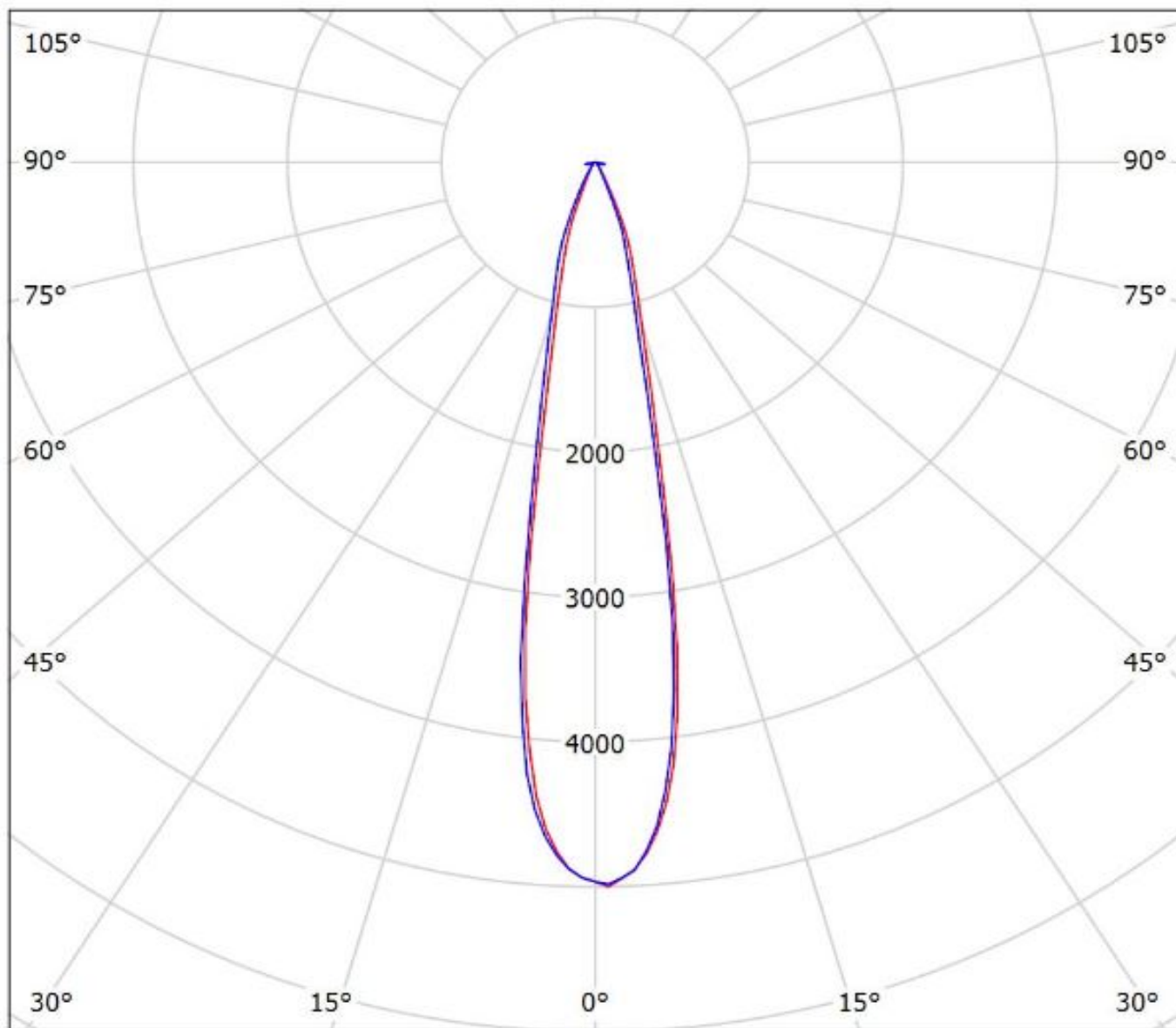
— C0 - C180

— C90 - C270

$\eta = 95\%$

Luminaire: Ledil FN16258\_STELLA-RS\_(NFDLJ130B)

Lamps: 1 x Nichia\_NFDLJ130B\_1399.61m@250mA\_CCT=4000K\_P=8.82847W\_U=35.328V



cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

**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.