

## DETAILS

<b>Product Number</b>	CA11052_TINA2-O
<b>Family</b>	Tina
<b>Type</b>	Assembly
<b>Color</b>	black
<b>Diameter</b>	16,1 mm
<b>Height</b>	9,7 mm
<b>Style</b>	round
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	tape
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	11/11/2016



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XP-E	32+14 deg	Oval	87 %	4.400	-
XP-G	35+16 deg	Oval	87 %	3.900	-
XP-E-HEW	34+16 deg	Oval	-	3.360	-
XT-E	35+16 deg	Oval	85 %	3.800	-
XP-G2	34+16 deg	Oval	87 %	4.000	-
XP-E2	34+14 deg	Oval	86 %	5.100	-
H35C0 (LEMWA33)	33+17 deg	Oval	86 %	3.500	-
H35B0 (LEMWA32)	35+15 deg	Oval	86 %	4.200	-
H35C1 (LEMWA33)	35+17 deg	Oval	85 %	3.900	-
Fortimo FastFlex LED board 2x8/757 DS	34+16 deg	Oval	83 %	3.800	-
Z5	sim: 41+15	Oval	sim: 90 %	sim: 4.200	-

D

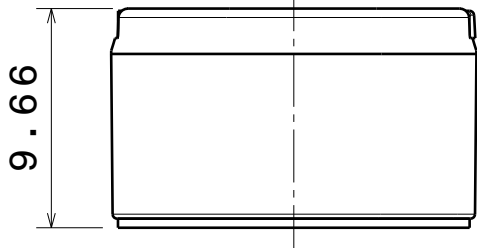
C

B

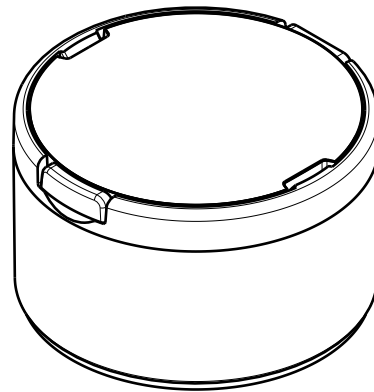
A

4

4



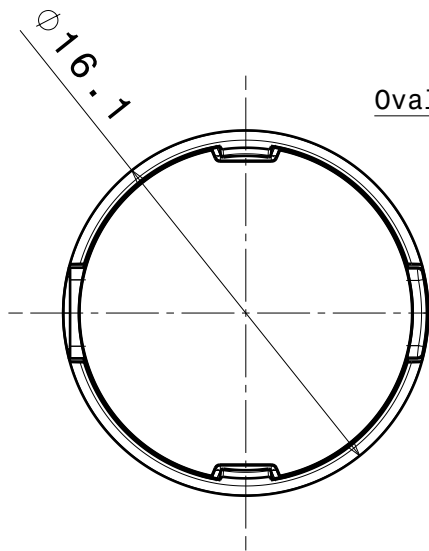
Front view



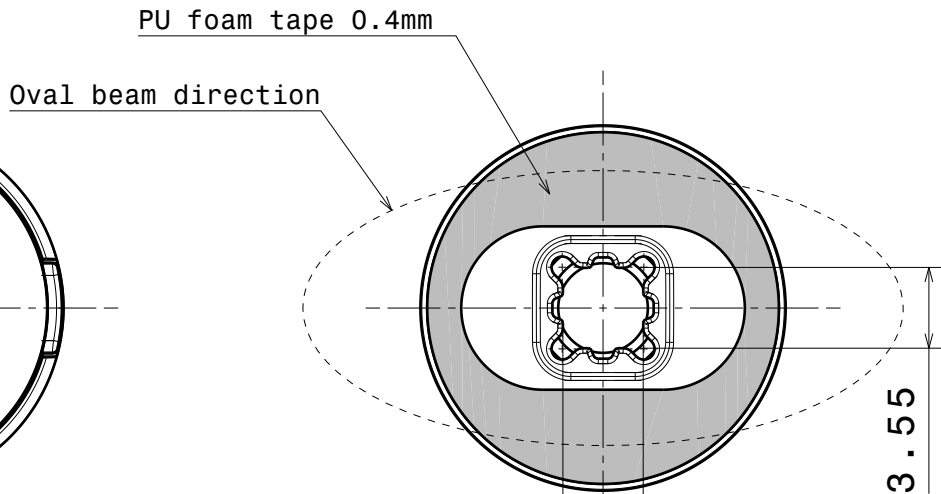
Isometric view  
Scale: 3:1

3

3



Top view



Bottom view

2

2

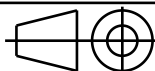
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C11418	TINA2-XP-HLD-TAPE-BLK	PC	black
2	C11050	TINA2-XP-0	PMMA	

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

CA11052\_TINA2-0

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SIZE PART NUMBER

A4

CA11052

SCALE 3:1 WEIGHT 1,3 g SHEET 1/1

1

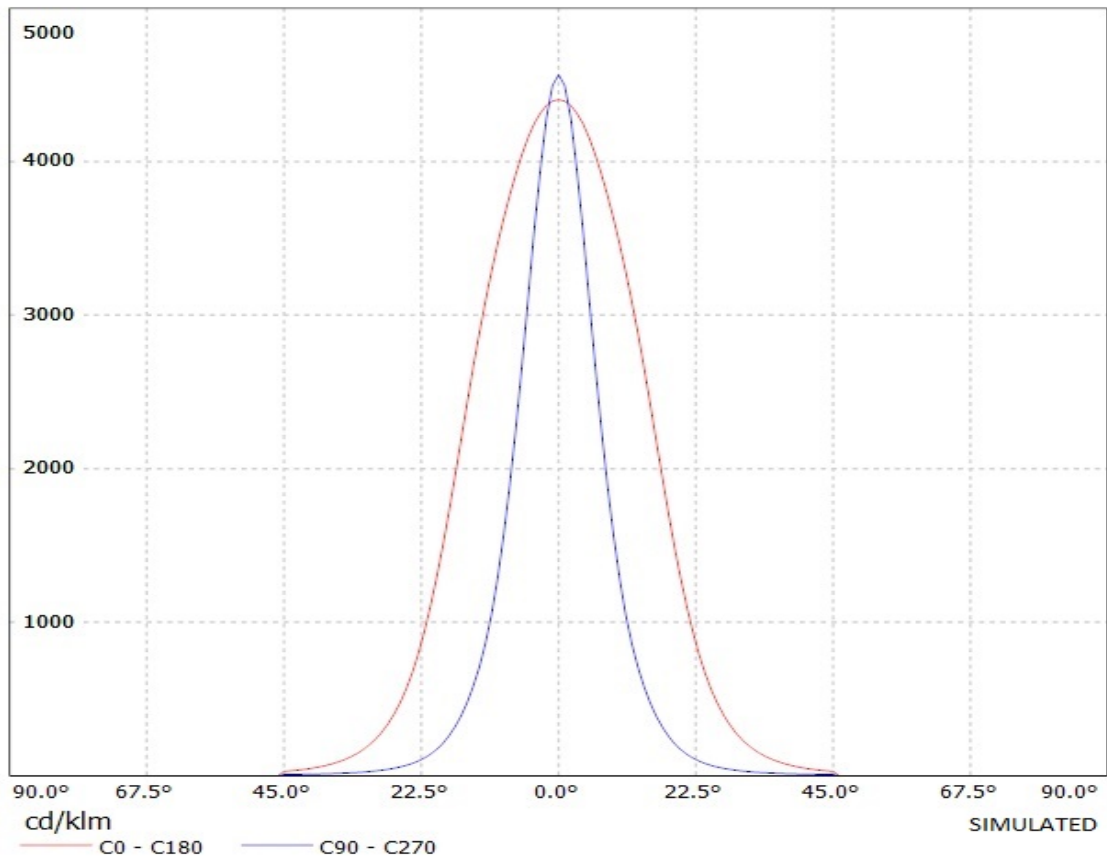
1

D

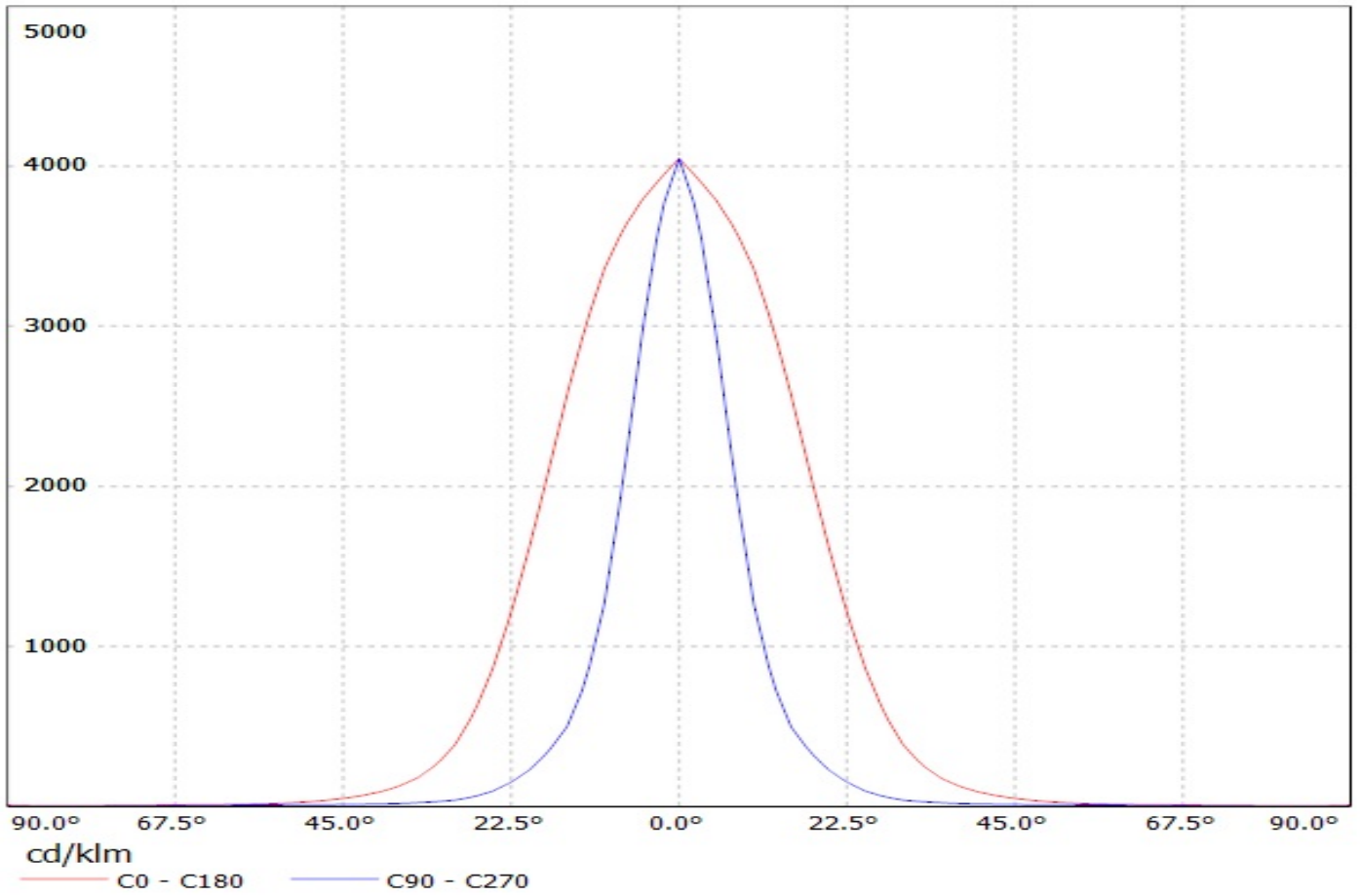
A

**Ledil Oy CA11052\_Tina2-XP-O-black Cree XP-E (white) 76lm @ 250mA LOR is 91% / LDC (Linear)**

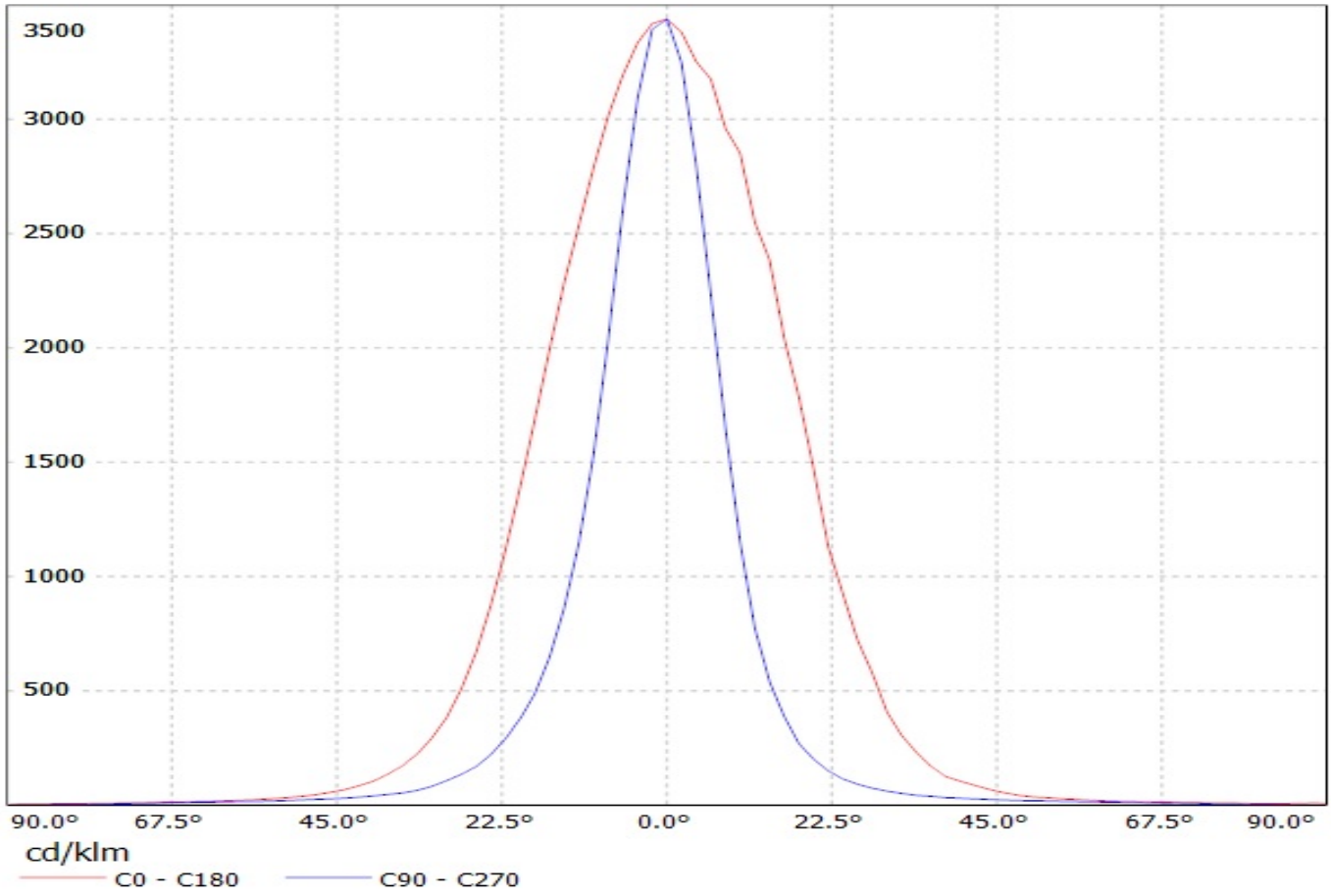
Luminaire: Ledil Oy CA11052\_Tina2-XP-O-black Cree XP-E (white) 76lm @ 250mA LOR is 91%  
Lamps: 1 x Cree XP-E (white) 76lm @ 250mA



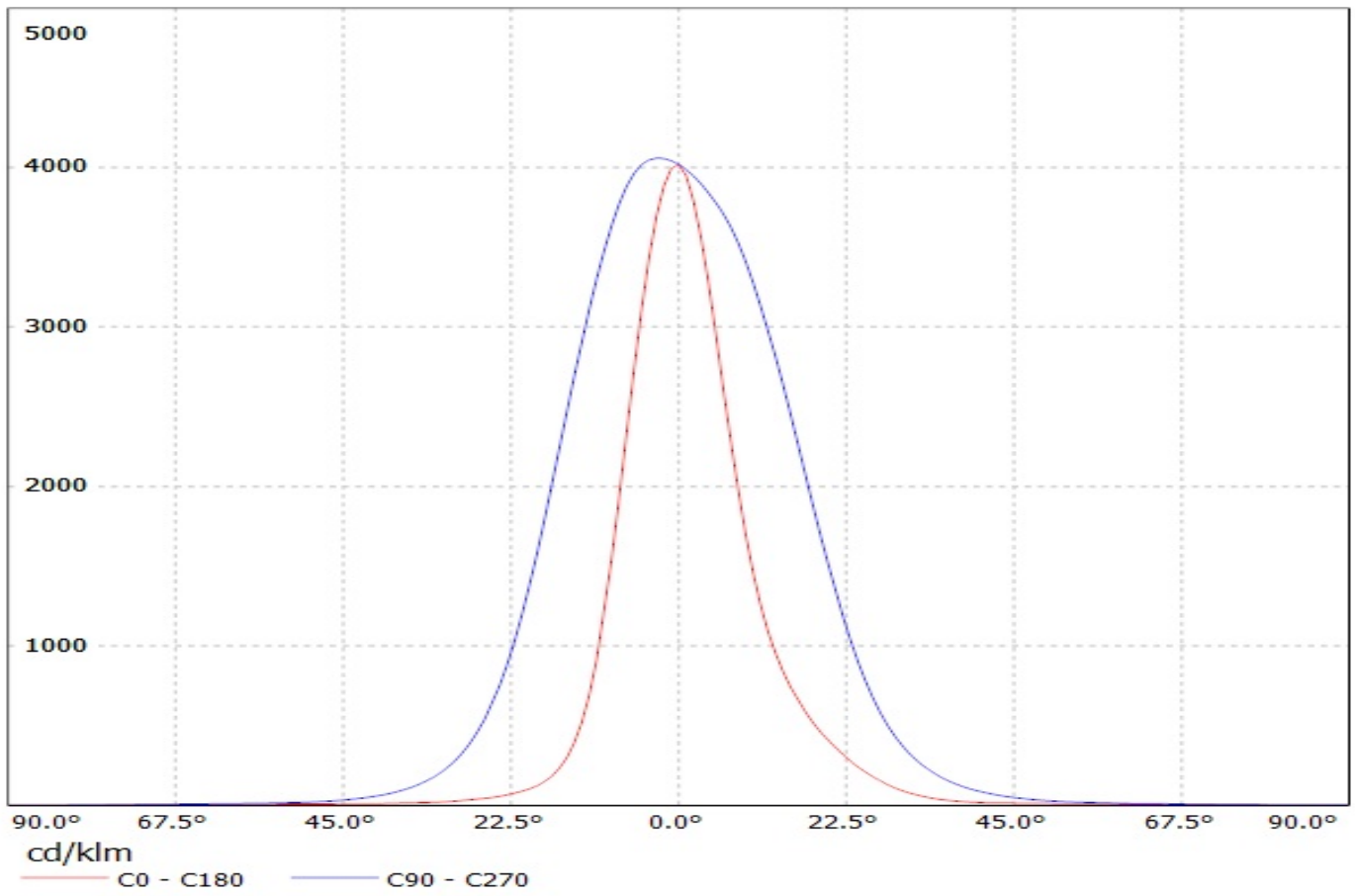
Luminaire: LEDIL OY CA11052\_Tina2-O (XP-G) Efficiency=87%  
Lamps: 1 x Cree XP-G (92lm@250mA)



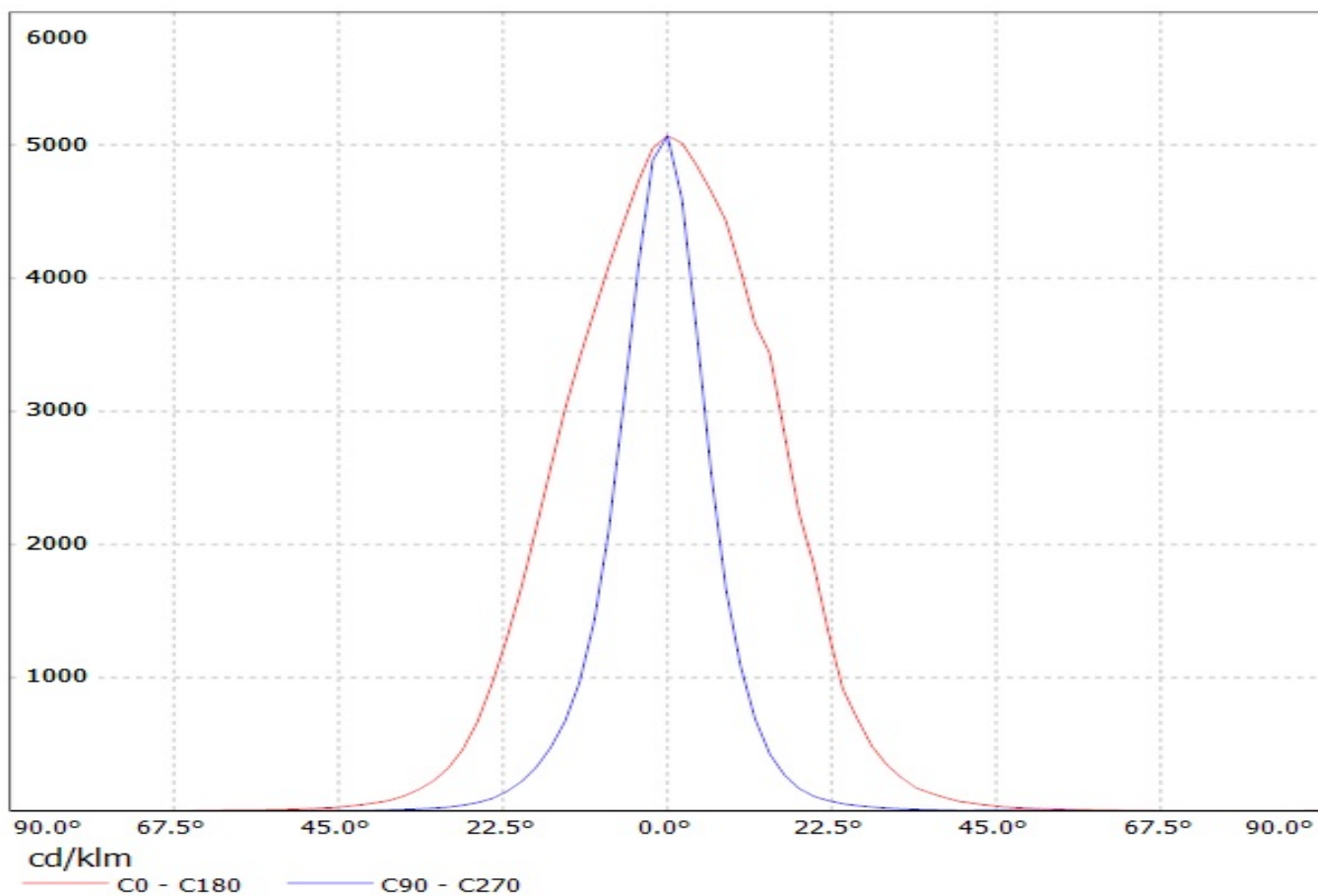
Luminaire: Ledil Oy CA11052\_TINA2-O-XT-E (AWT) Efficiency=88%  
Lamps: 1 x Cree XT-E (AWT) 250mA



Valaisin: LEDIL OY CA11052\_TINA2-O\_(XP-G2) Efficiency=87%  
Lamput: 1 x Cree XP-G2 (109.1lm @ 250mA)



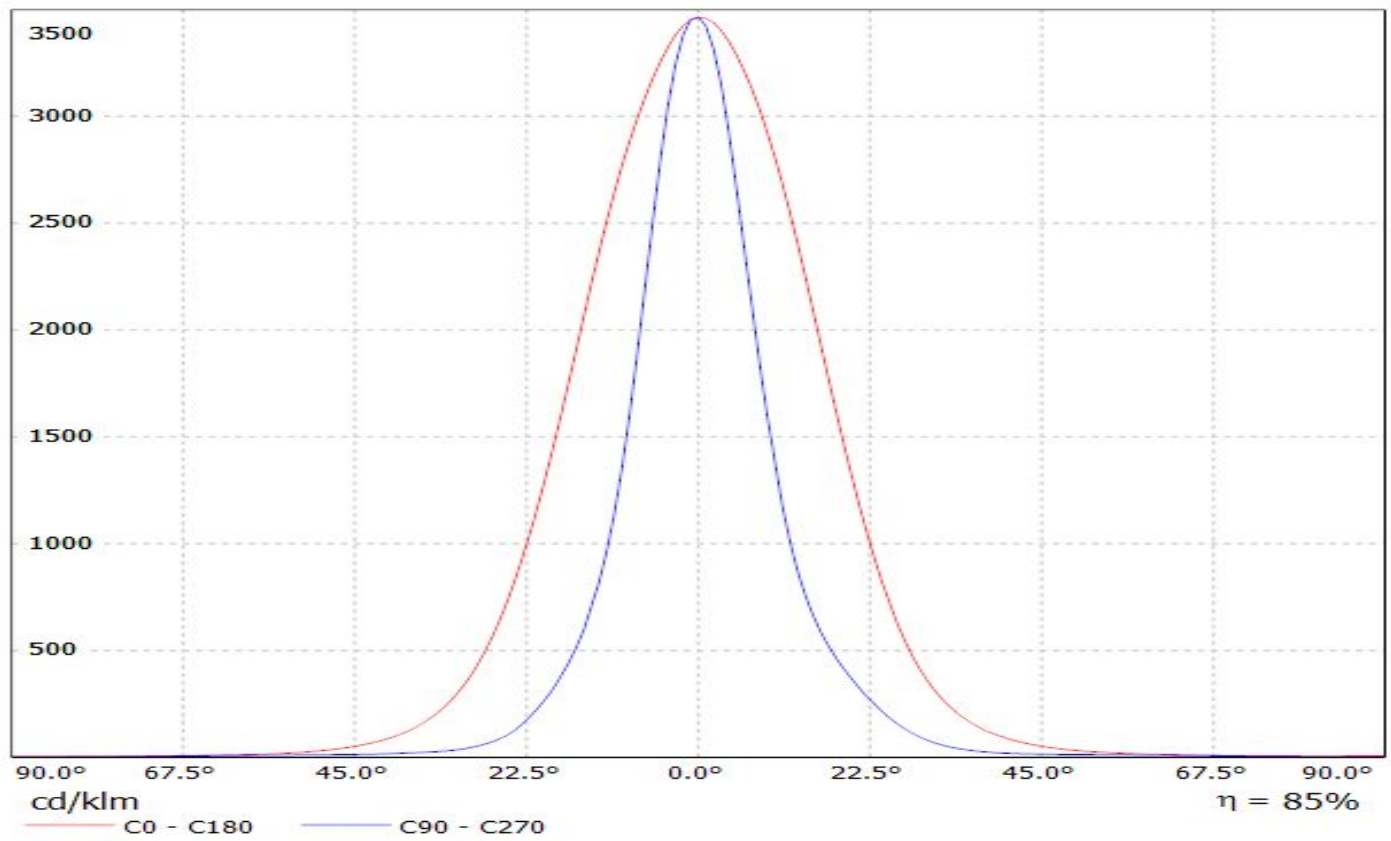
Luminaire: Ledil Oy CA11052\_TINA2-O (CREE XP-E2 92 lm @ 250 mA) Efficiency=86%  
Lamps: 1 x CREE XP-E2 92 lm @ 250 mA



# LEDiL Oy CA11052\_TINA2-O\_(3535\_Ceramic)\_2 Eff.85.5% / LDC (Linear)

Luminaire: LEDiL Oy CA11052\_TINA2-O\_(3535\_Ceramic)\_2 Eff.85.5%

Lamps: 1 x LG 3535 Ceramic (95lm@250mA)

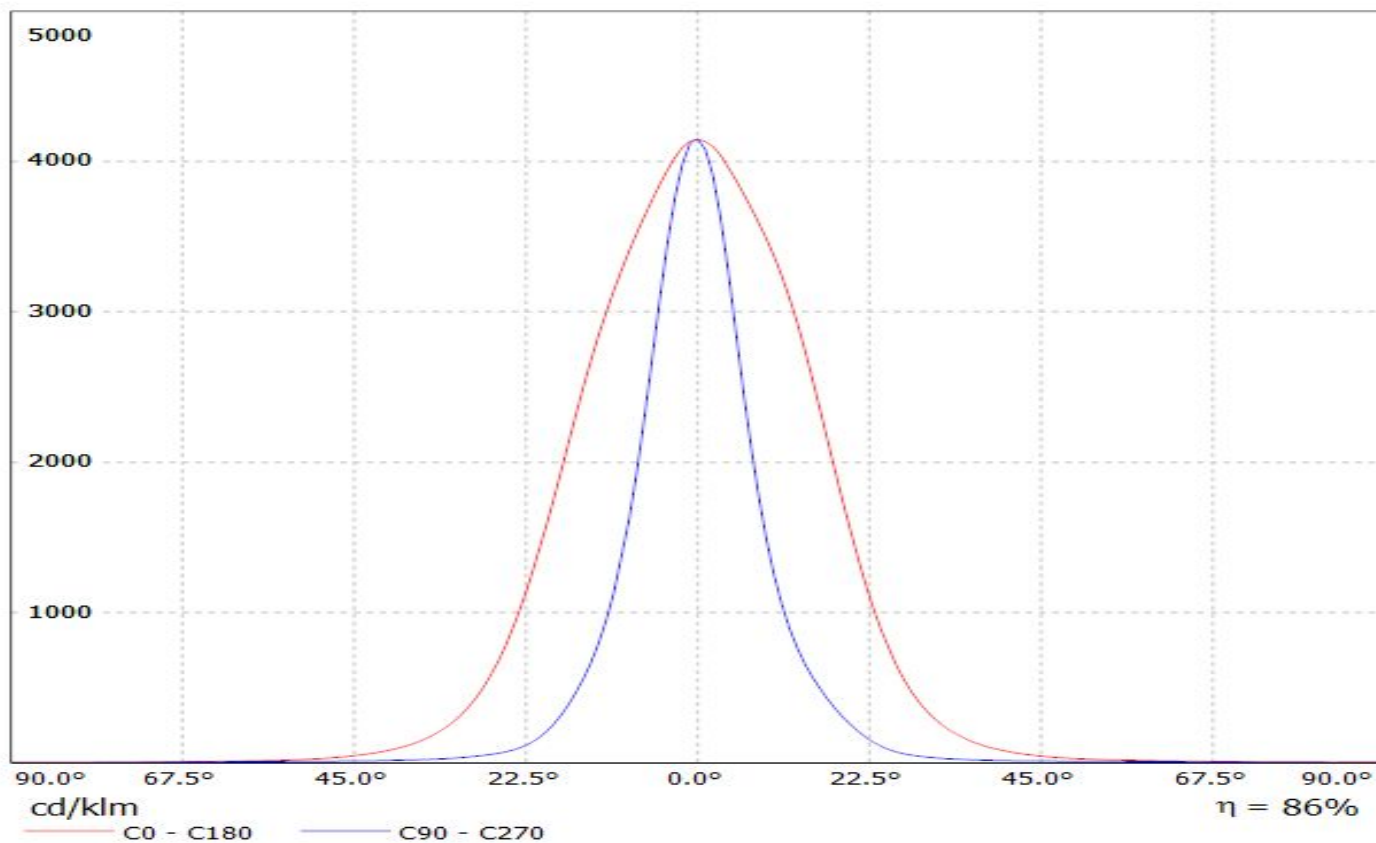




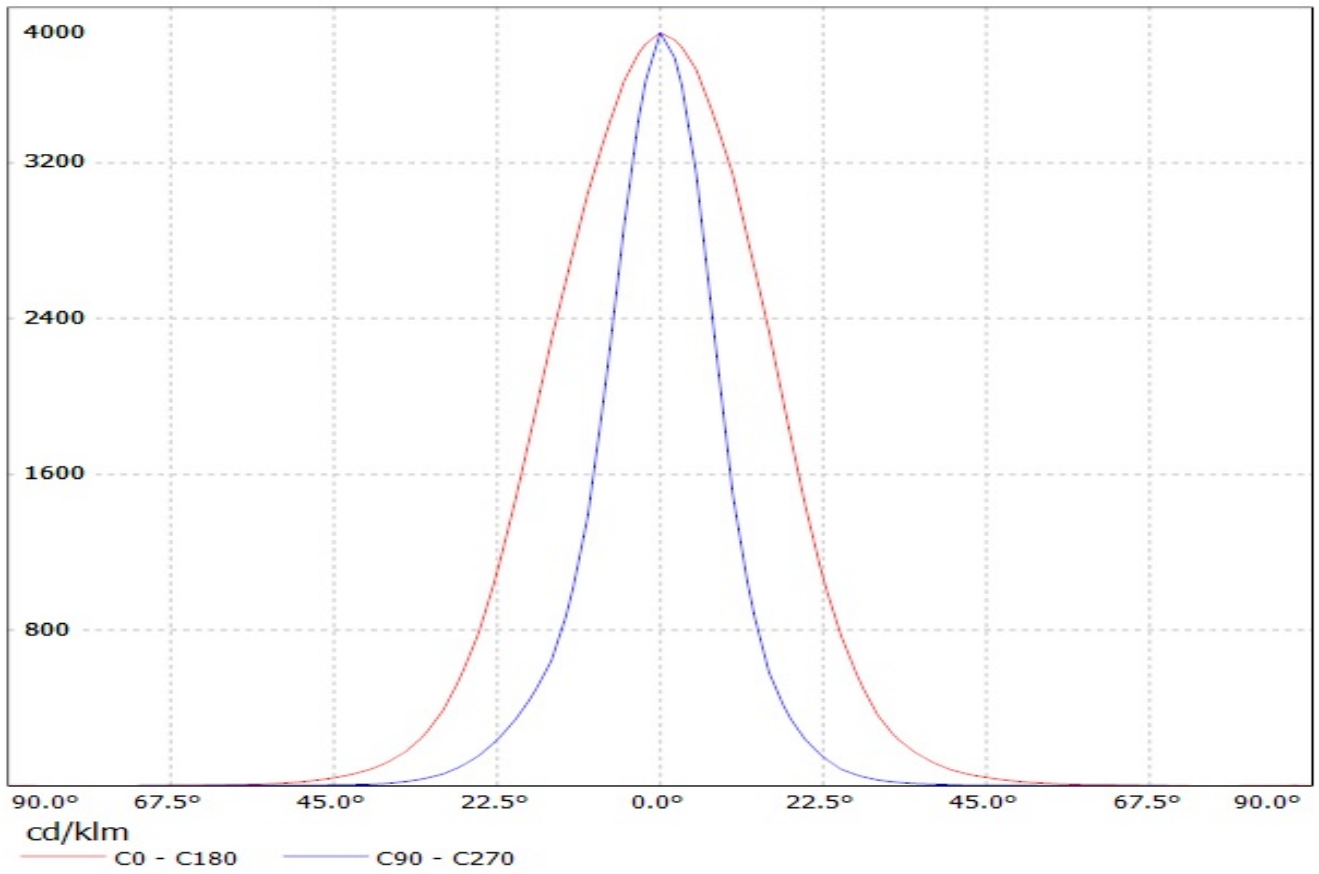
# LEDiL Oy CA11052\_TINA2\_O\_(LG3535\_2W) Eff.86.5% / LDC (Linear)

Luminaire: LEDiL Oy CA11052\_TINA2\_O\_(LG3535\_2W) Eff.86.5%

Lamps: 1 x LG3535\_2W (97.2479lm@250mA)

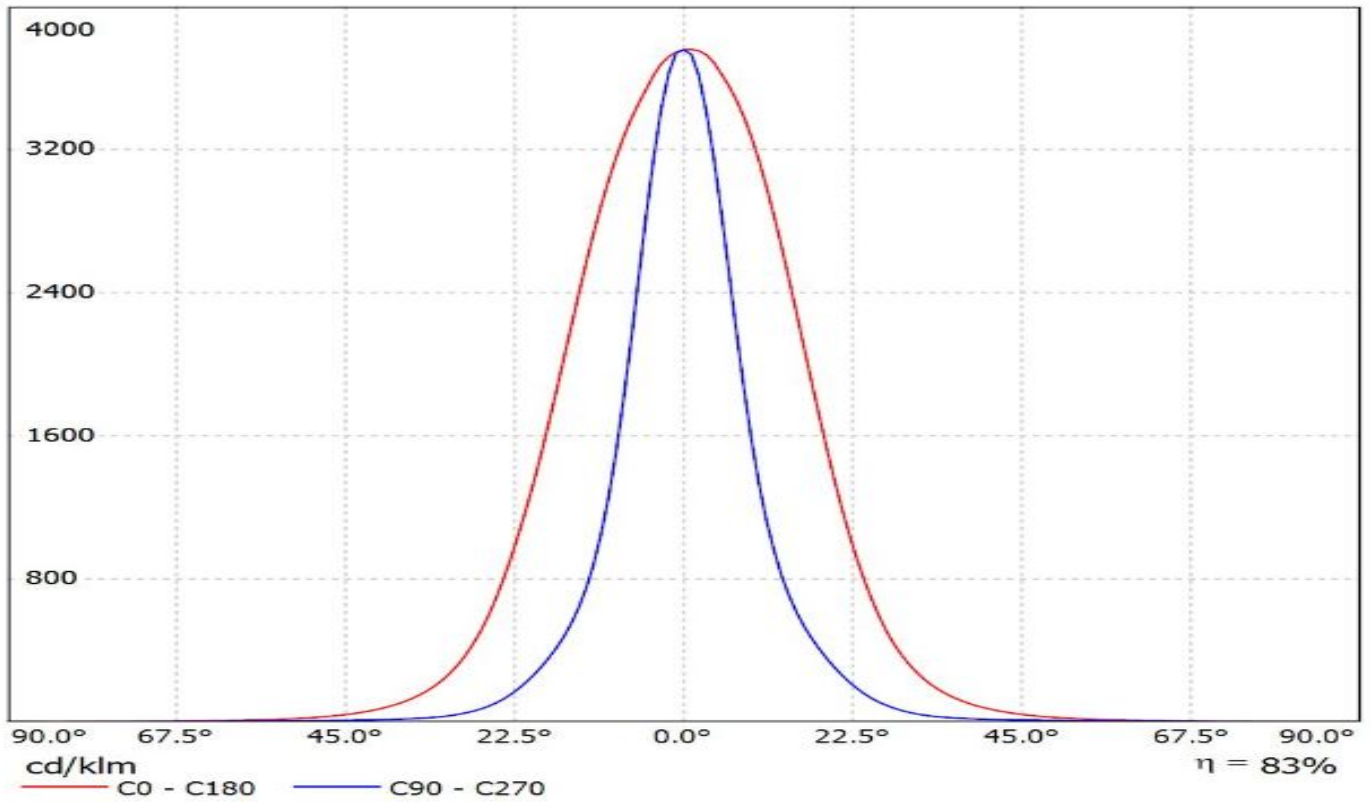


Luminaire: Ledil Oy CA11052\_TINA2-O\_(3535\_Ceramic\_gen2) Efficiency=85%  
Lamps: 1 x LG 3535 Ceramic gen2 (PKG5700K) 116lm @ 250mA CCT=6200K P=0.7W I=250mA

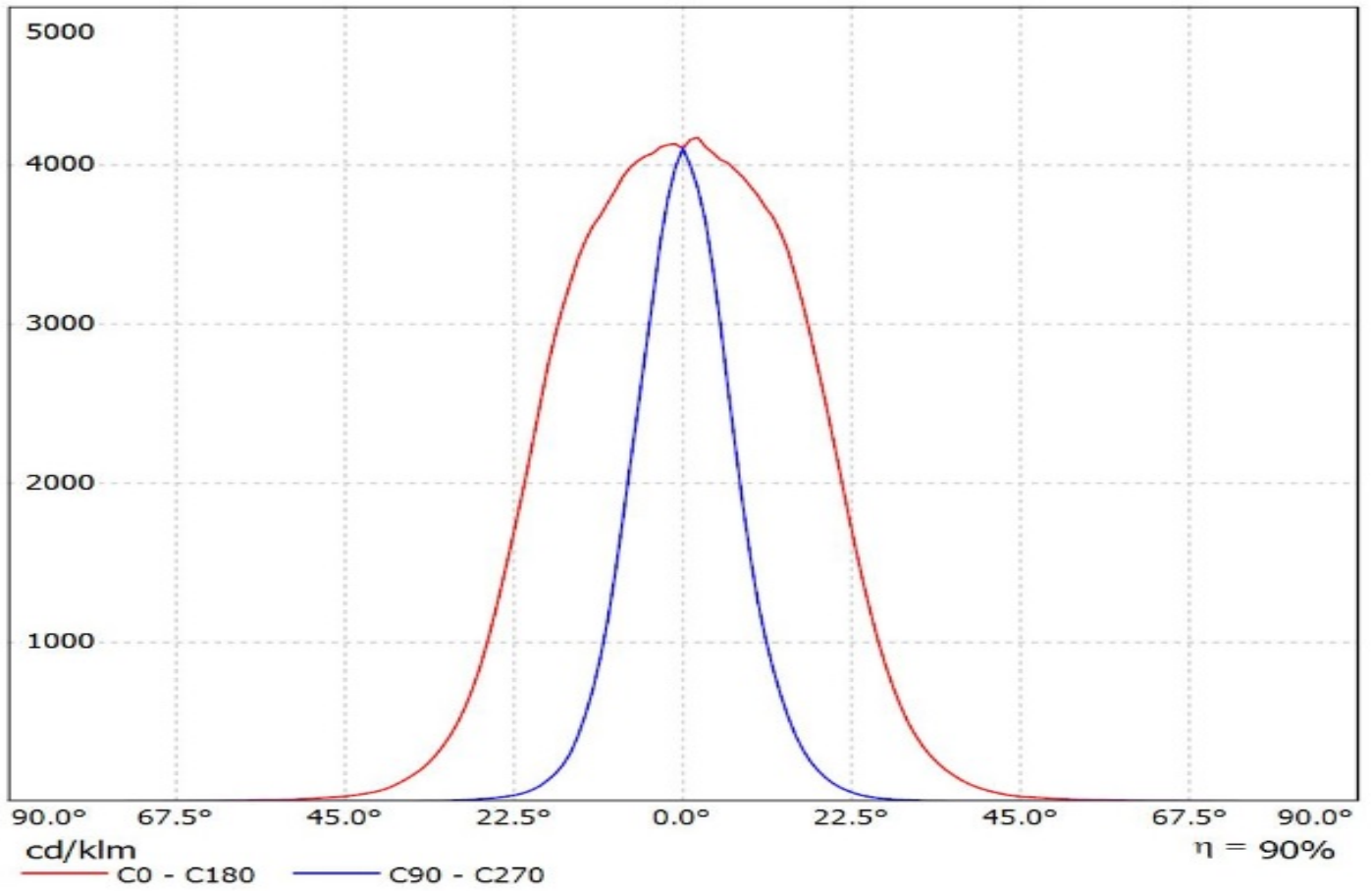


**Ledil CA11052\_TINA2-O\_(Fortimo\_FastFlex\_LED\_board 2x8-757\_DS\_G3) / LDC (Linear)**

Luminaire: Ledil CA11052\_TINA2-O\_(Fortimo\_FastFlex\_LED\_board 2x8-757\_DS\_G3)  
Lamps: 1 x Philips\_Fortimo\_FastFlex\_LED\_board 2x8/757\_DS\_G3\_(XP-G2)  
\_3428.78lm@500mA\_P=23.7W\_I=0.5A

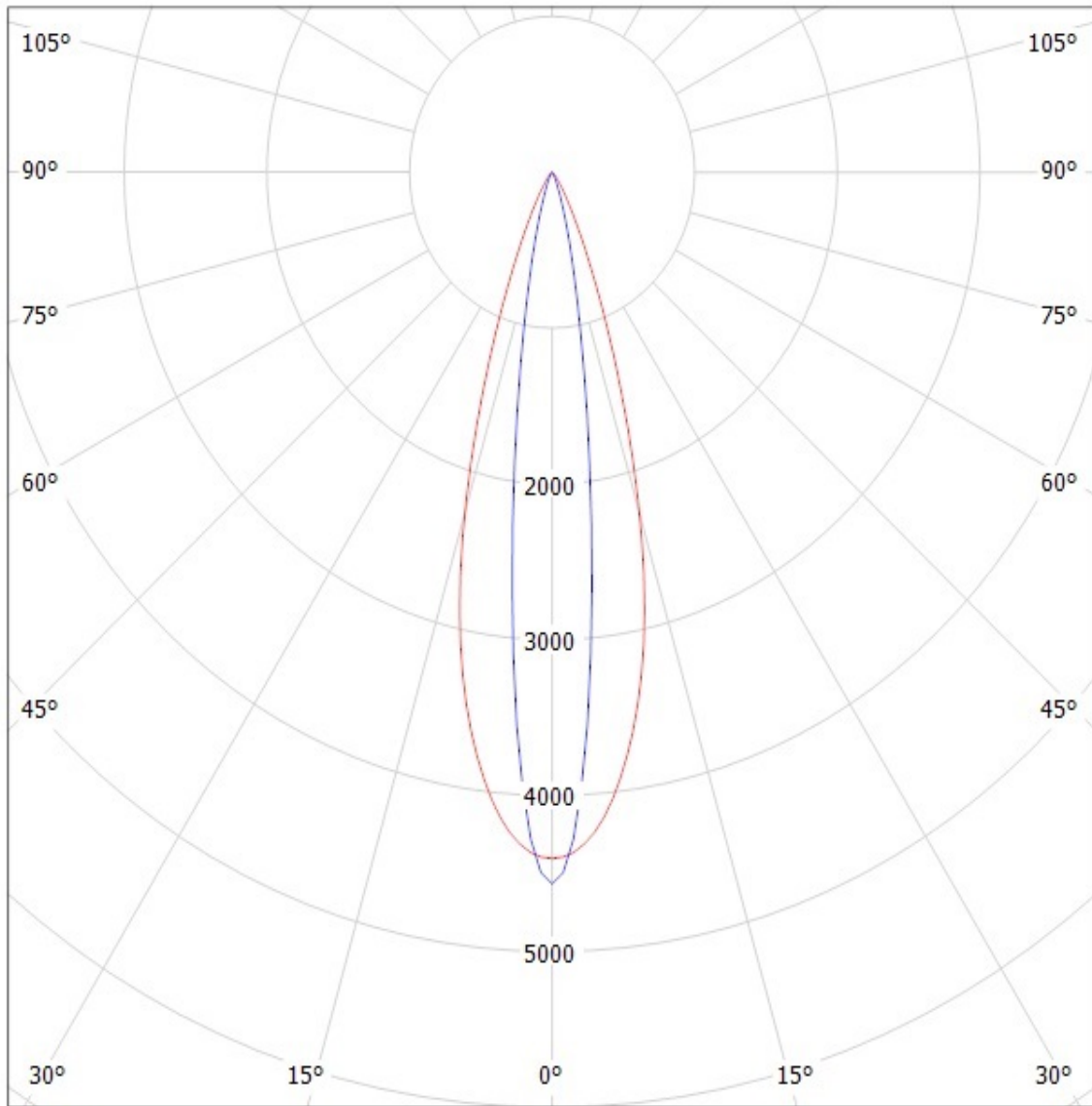


Luminaire: Ledil Oy CA11052\_TINA2-O\_(Z5)\_SIMULATED  
Lamps: 1 x Seoul Z5 (SZW05A0B)



**Ledil Oy CA11052\_Tina2-XP-O-black Cree XP-E (white) 76lm @ 250mA LOR is 91% / LDC (Polar)**

Luminaire: Ledil Oy CA11052\_Tina2-XP-O-black Cree XP-E (white) 76lm @ 250mA LOR is 91%  
Lamps: 1 x Cree XP-E (white) 76lm @ 250mA



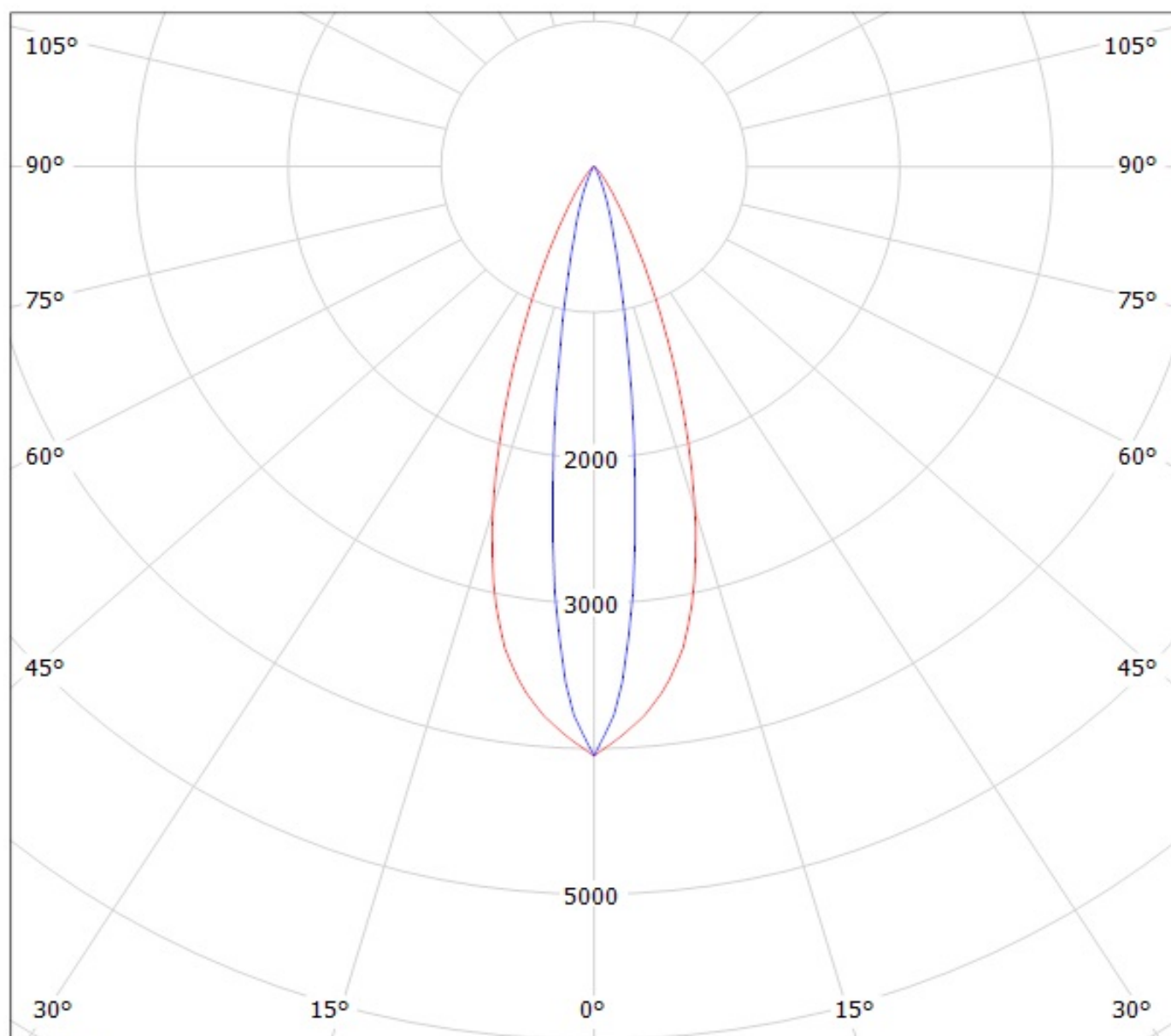
cd/klm

— C0 - C180

— C90 - C270

SIMULATED

Luminaire: LEDIL OY CA11052\_Tina2-O (XP-G) Efficiency=87%  
Lamps: 1 x Cree XP-G (92lm@250mA)

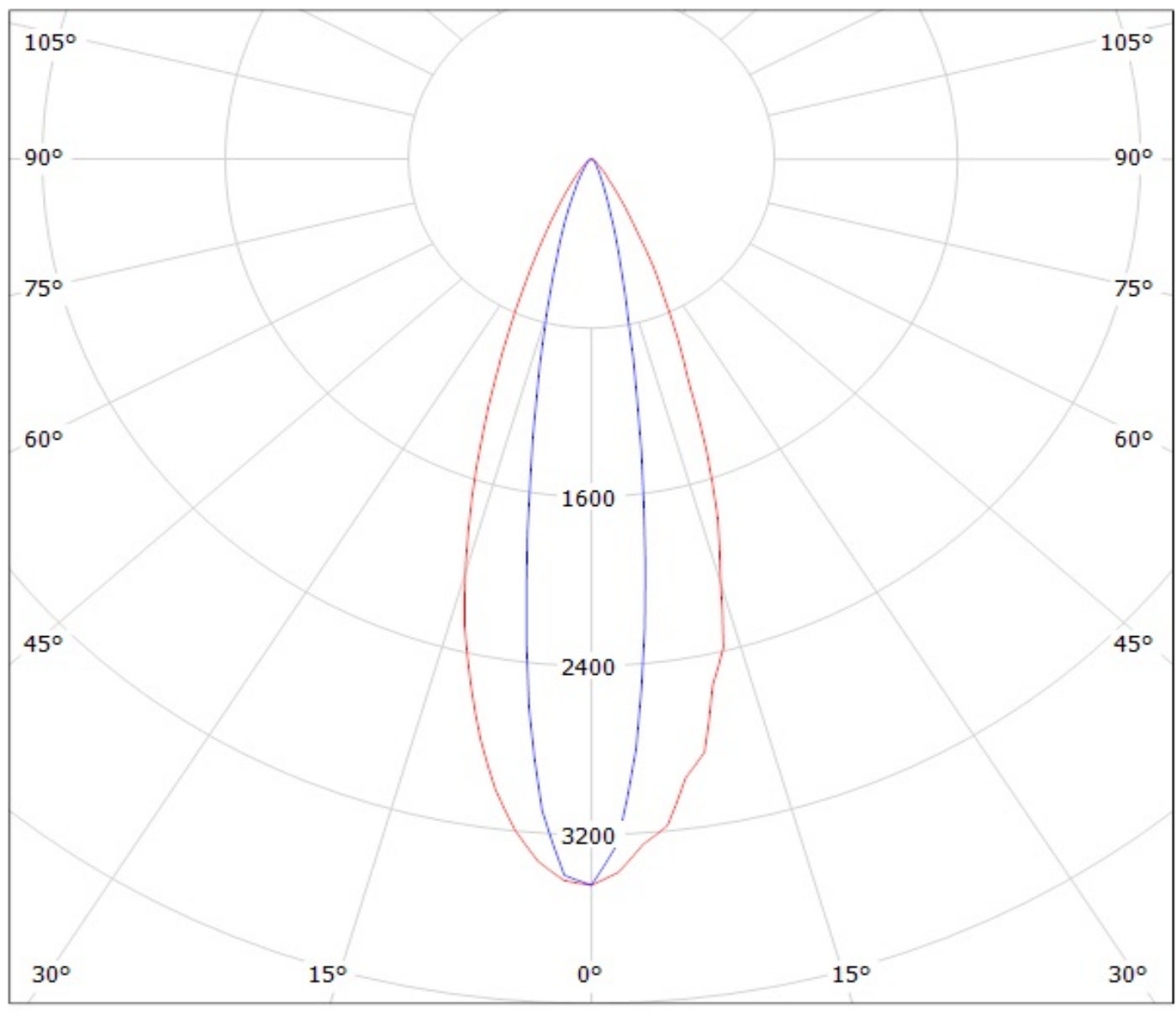


cd/klm

— C0 - C180

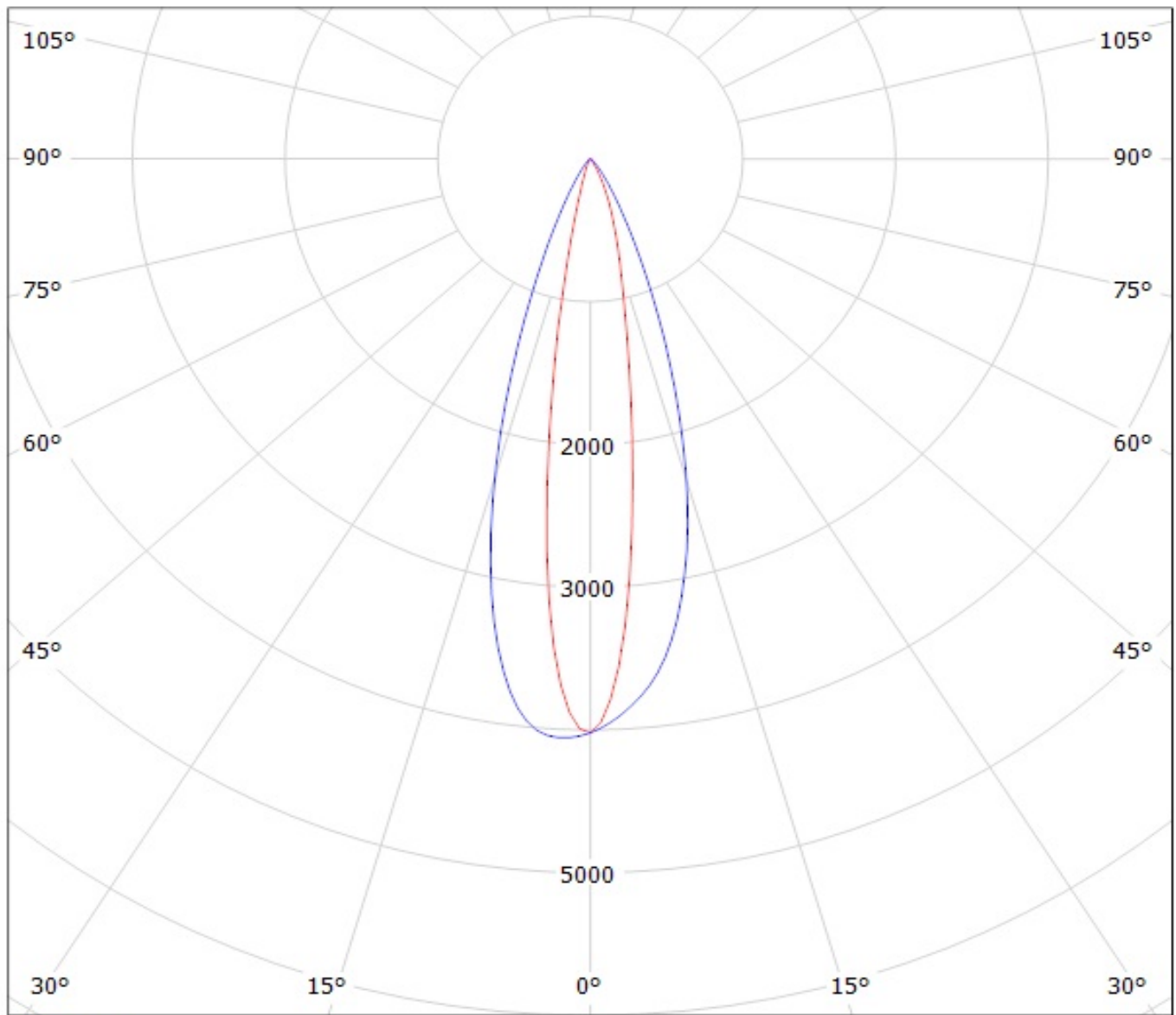
— C90 - C270

Luminaire: Ledil Oy CA11052\_TINA2-O-XT-E (AWT) Efficiency=88%  
Lamps: 1 x Cree XT-E (AWT) 250mA



cd/klm  
— C0 - C180    — C90 - C270

Valaisin: LEDIL OY CA11052\_TINA2-O\_(XP-G2) Efficiency=87%  
Lamput: 1 x Cree XP-G2 (109.1lm @ 250mA)



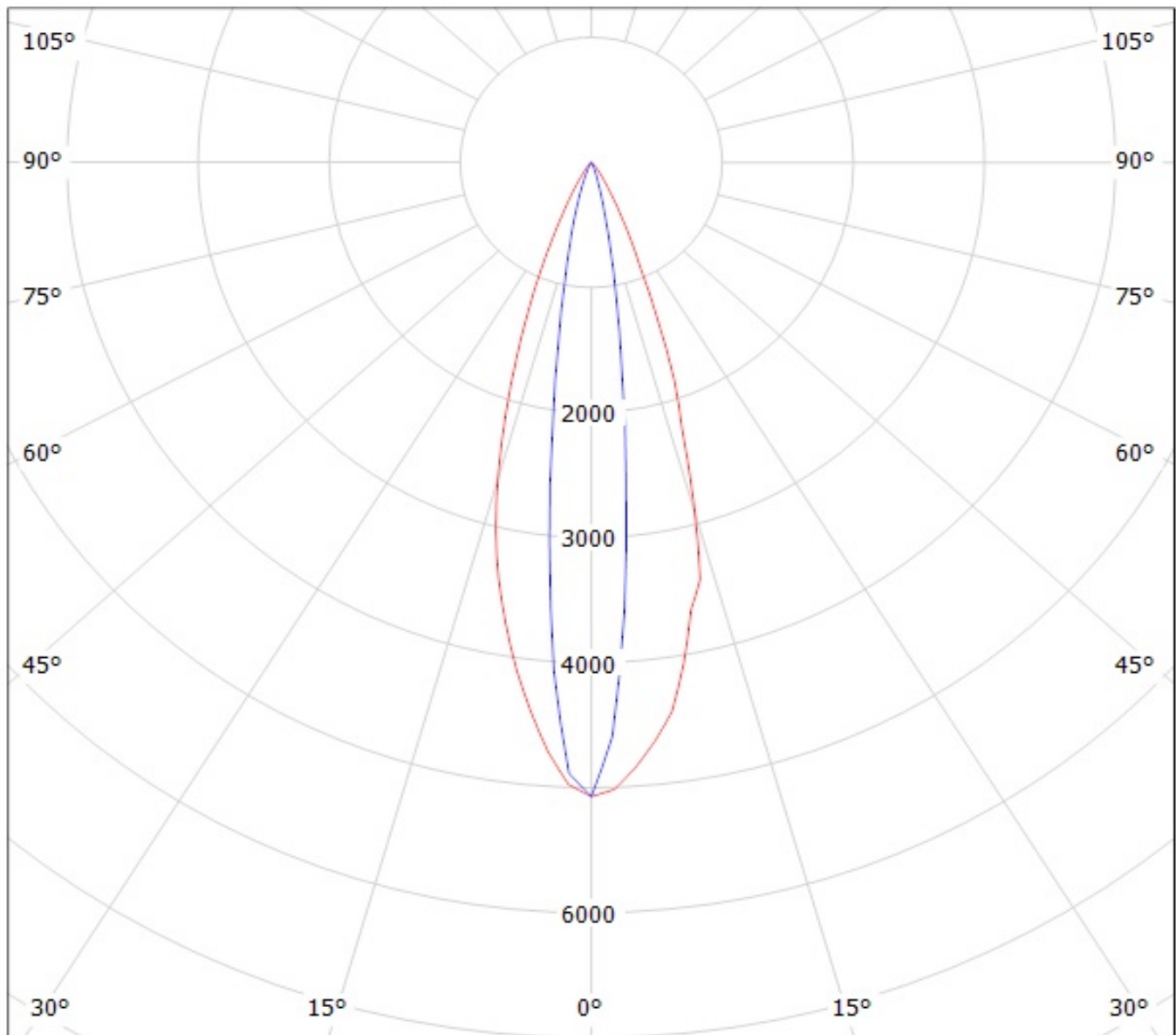
cd/klm

— C0 - C180

— C90 - C270



Luminaire: Ledil Oy CA11052\_TINA2-O (CREE XP-E2 92 lm @ 250 mA) Efficiency=86%  
Lamps: 1 x CREE XP-E2 92 lm @ 250 mA



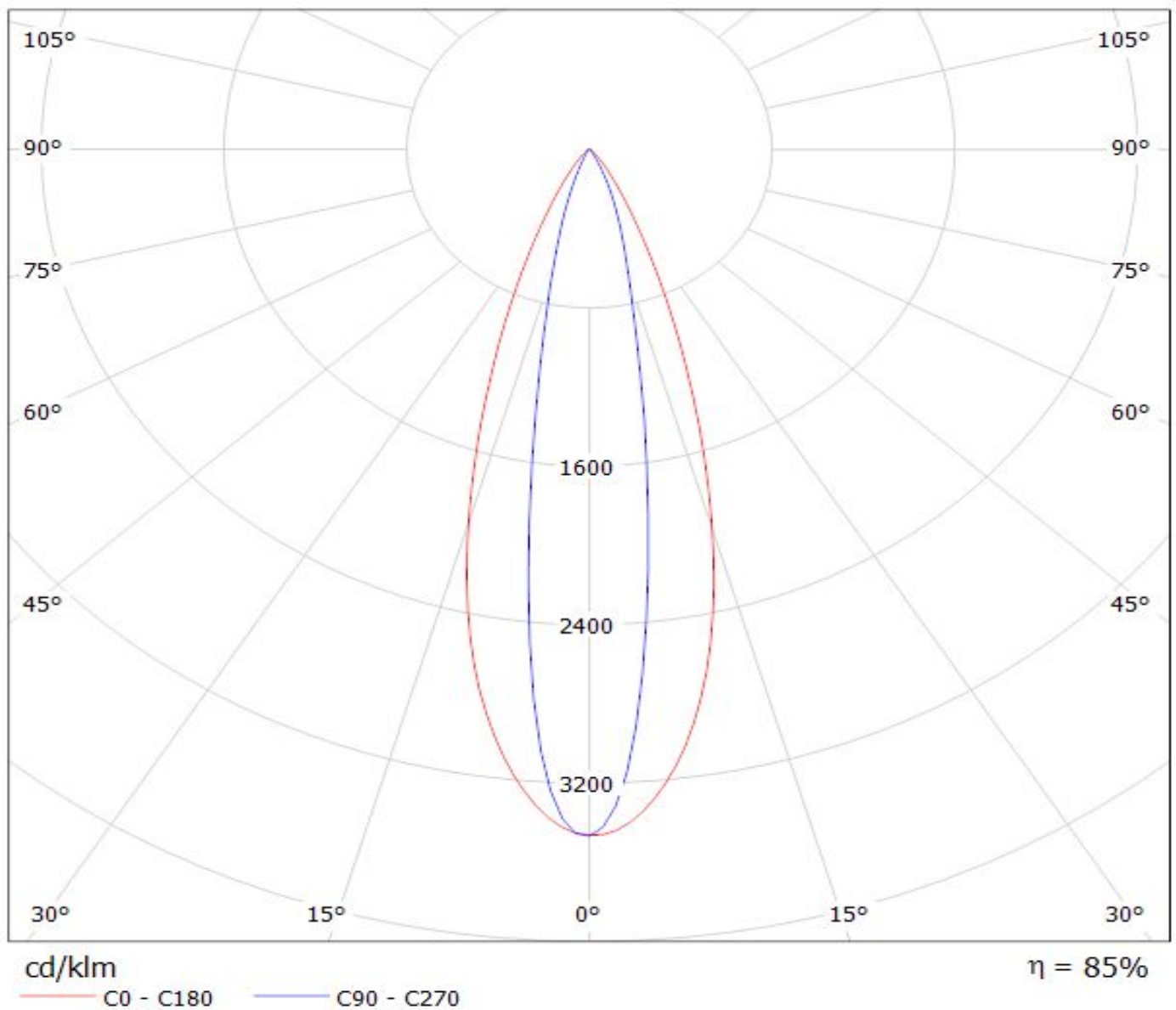
cd/klm

— C0 - C180    — C90 - C270

# LEDiL Oy CA11052\_TINA2-O\_(3535\_Ceramic)\_2 Eff.85.5% / LDC (Polar)

Luminaire: LEDiL Oy CA11052\_TINA2-O\_(3535\_Ceramic)\_2 Eff.85.5%

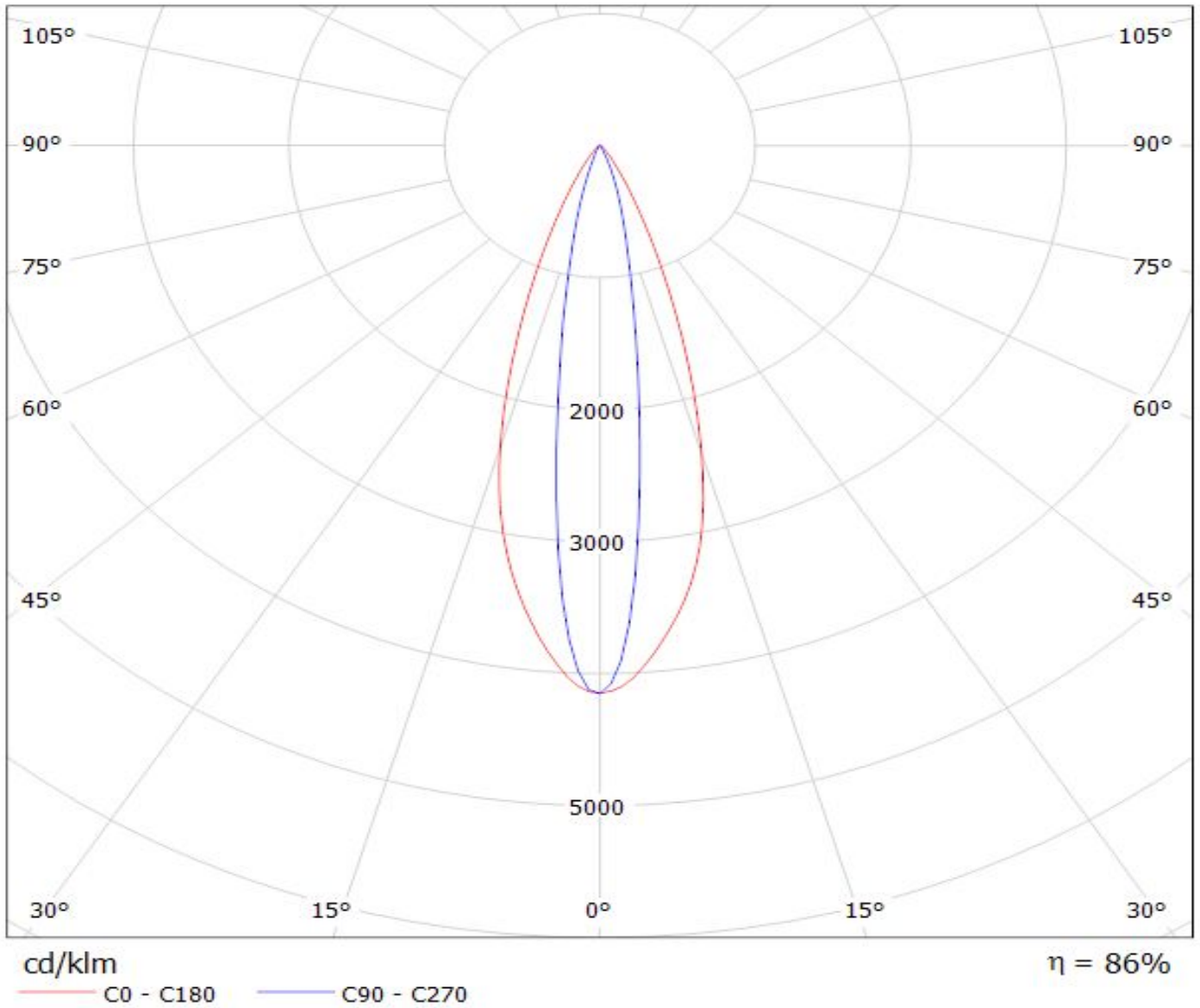
Lamps: 1 x LG 3535 Ceramic (95lm@250mA)



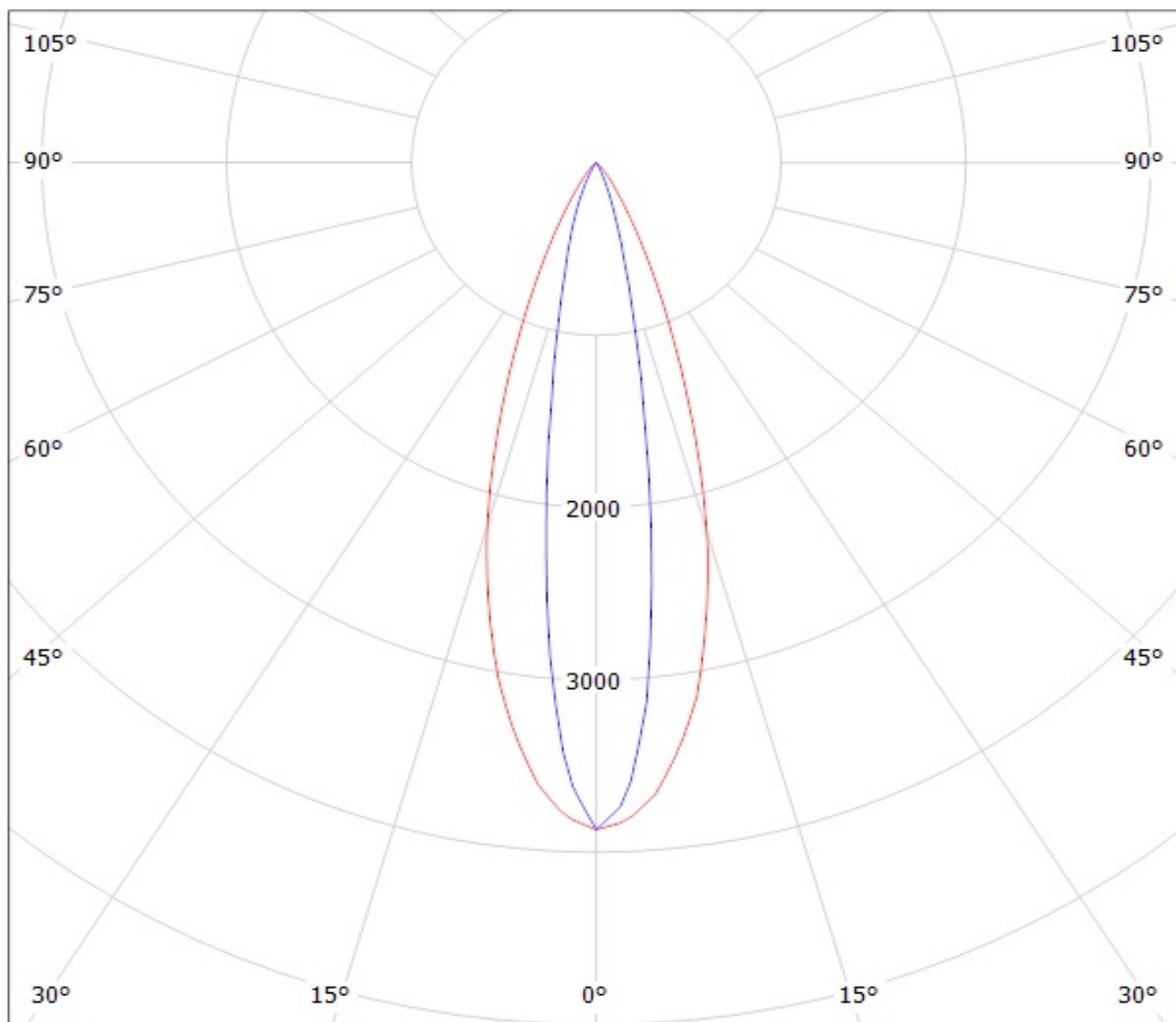
# LEDiL Oy CA11052\_TINA2\_O\_(LG3535\_2W) Eff.86.5% / LDC (Polar)

Luminaire: LEDiL Oy CA11052\_TINA2\_O\_(LG3535\_2W) Eff.86.5%

Lamps: 1 x LG3535\_2W (97.2479lm@250mA)



Luminaire: Ledil Oy CA11052\_TINA2-O\_(3535\_Ceramic\_gen2) Efficiency=85%  
Lamps: 1 x LG 3535 Ceramic gen2 (PKG5700K) 116lm @ 250mA CCT=6200K P=0.7W I=250mA

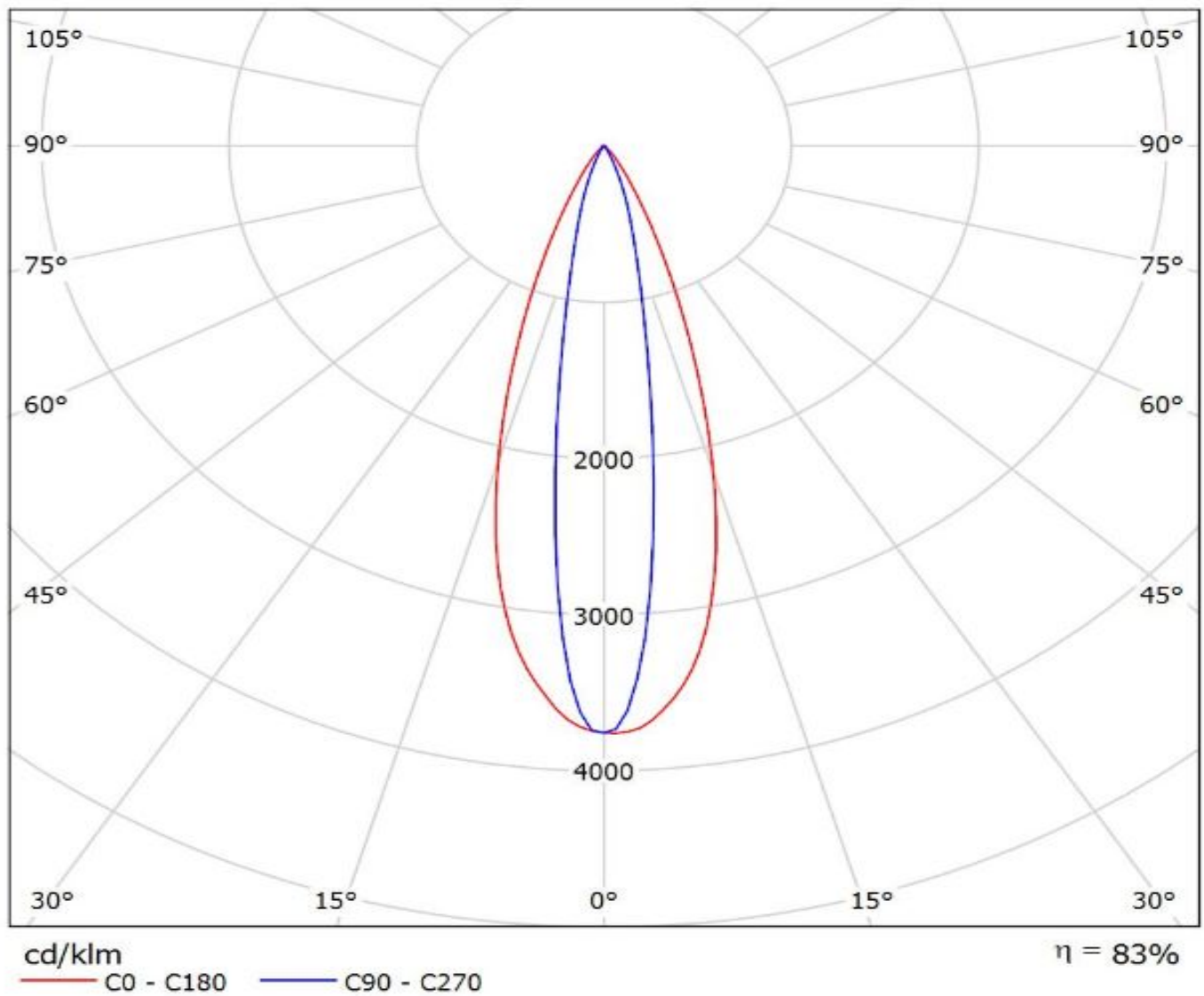


cd/klm

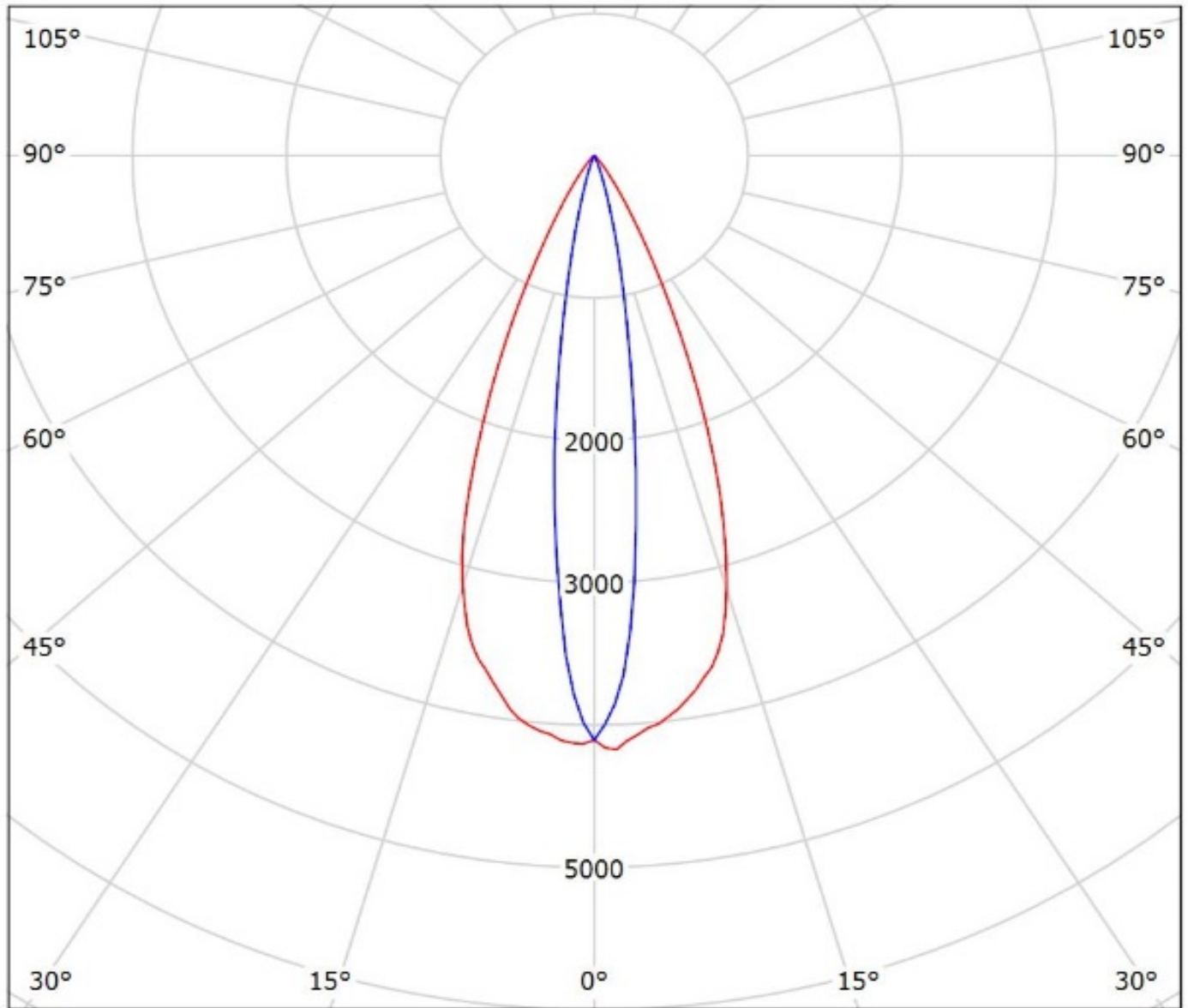
— C0 - C180    — C90 - C270

# Ledil CA11052\_TINA2-O\_(Fortimo\_FastFlex\_LED\_board 2x8-757\_DS\_G3) / LDC (Polar)

Luminaire: Ledil CA11052\_TINA2-O\_(Fortimo\_FastFlex\_LED\_board 2x8-757\_DS\_G3)  
Lamps: 1 x Philips\_Fortimo\_FastFlex\_LED\_board 2x8/757\_DS\_G3\_(XP-G2)  
\_3428.78lm@500mA\_P=23.7W\_I=0.5A



Luminaire: Ledil Oy CA11052\_TINA2-O\_(Z5)\_SIMULATED  
Lamps: 1 x Seoul Z5 (SZW05A0B)



cd/klm

— C0 - C180 — C90 - C270

$\eta = 90\%$

**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.**