

DETAILS

Product Number	CA12428_TINA3-WWW
Family	Tina3
Type	Assembly
Color	white
Diameter	16,1 mm
Height	6,9 mm
Style	round
Optic Material	PMMA
Holder Material	PC
Fastening	pin, tape
Status	ready
ROHS Compliant	Yes
Date Updated	5/02/2015



OPTICAL PROPERTIES

LED	Viewing	Light	Effi-	cd/lm	Connector
	Angle	Beam	ciency		
XT-E	68 deg	WWW-class	85 %	0.700	-
XP-G	69 deg	WWW-class	87 %	0.700	-
LUXEON A	74 deg	WWW-class	86 %	0.600	-
XP-L HI	74 deg	WWW-class	91 %	0.650	-
NVSxx19A	75 deg	WWW-class	83 %	0.600	-
Oslon Square EC	75 deg	WWW-class	84 %	0.600	-
LH351B	76 deg	WWW-class	86 %	0.600	-
XP-G2	76 deg	WWW-class	86 %	0.600	-
XP-E2	77 deg	WWW-class	88 %	0.700	-
LUXEON T	78 deg	WWW-class	86 %	0.600	-
LUXEON TX	79 deg	WWW-class	87 %	0.560	-
LH351Z	85 deg	WWW-class	87 %	0.510	-

D

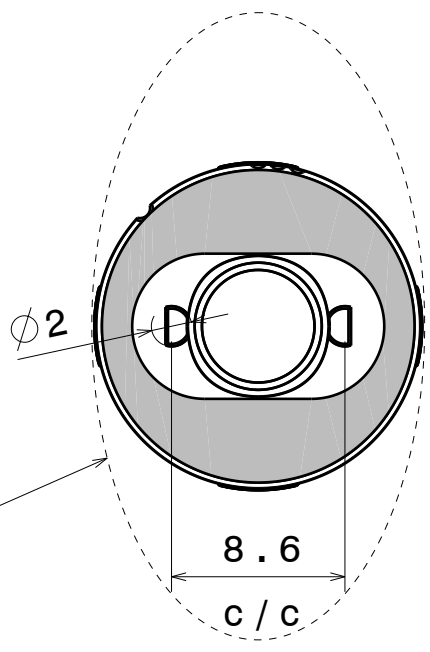
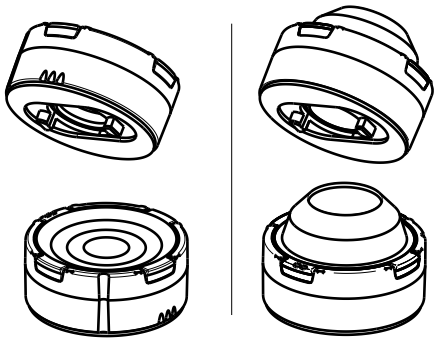
C

B

A

4

4

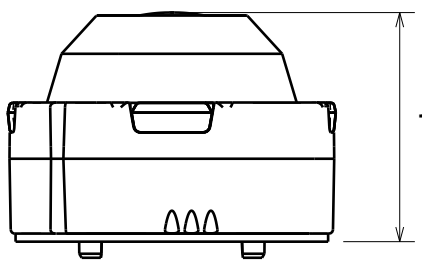


Oval beam direction

8.6
c / c

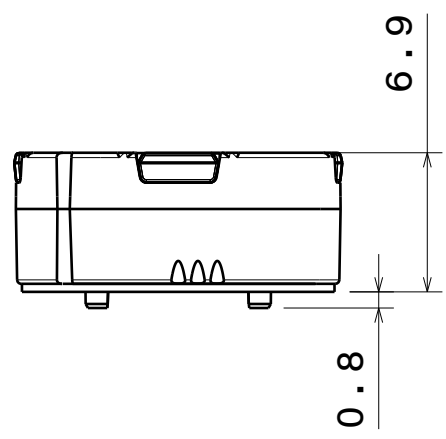
3

3



11.4

Spot version height

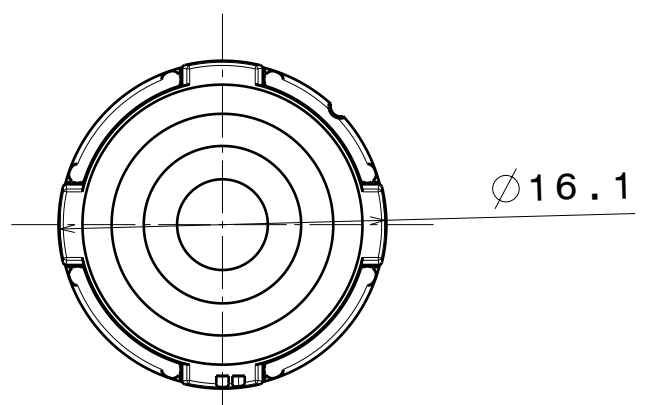


6.9

0.8

2

2



16.1

Top view

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
TINA3 Datasheet

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SIZE	PART NUMBER		
A4	-		

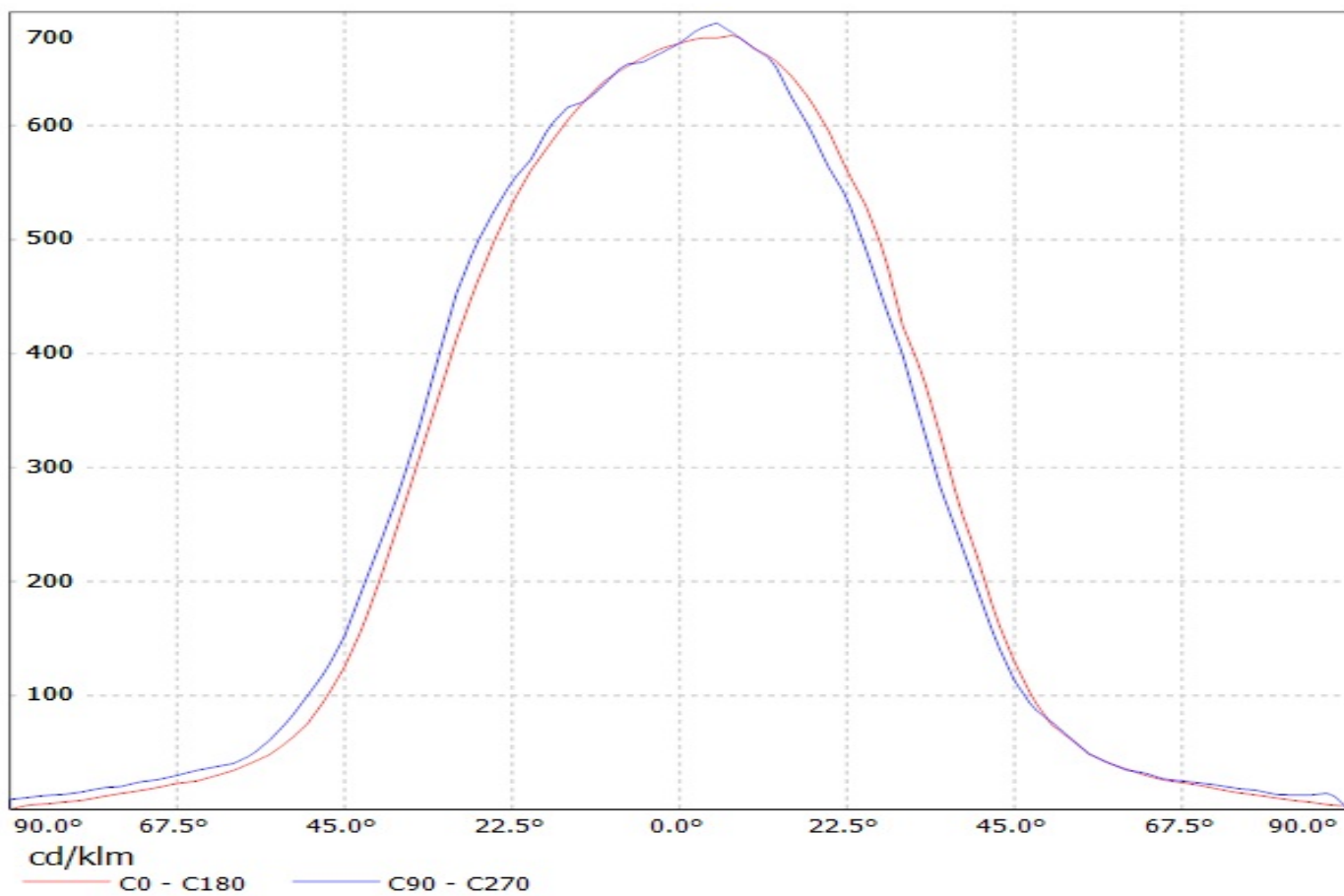
SCALE	4:3	WEIGHT	-	SHEET	1/1
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D

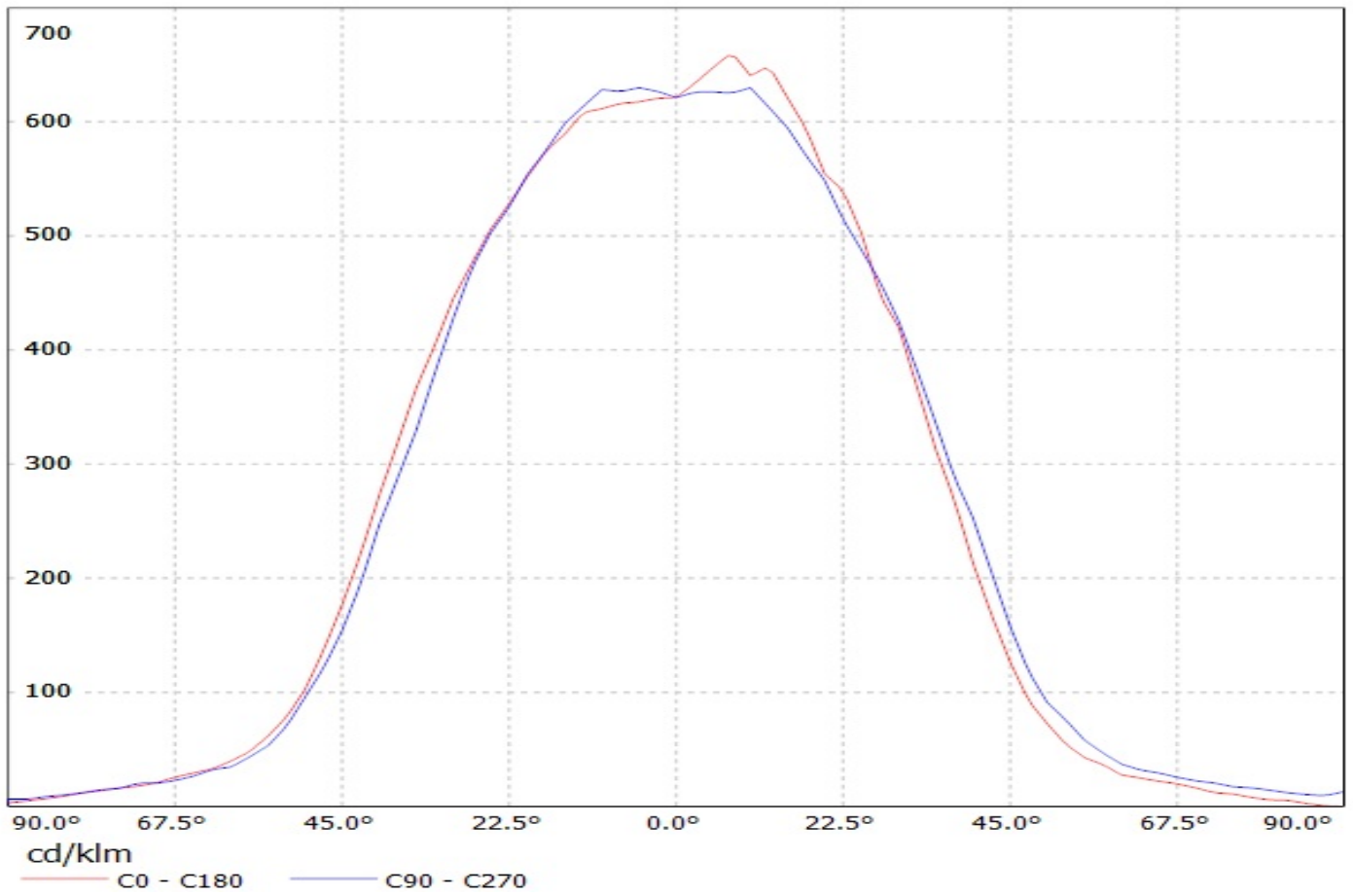
A

1

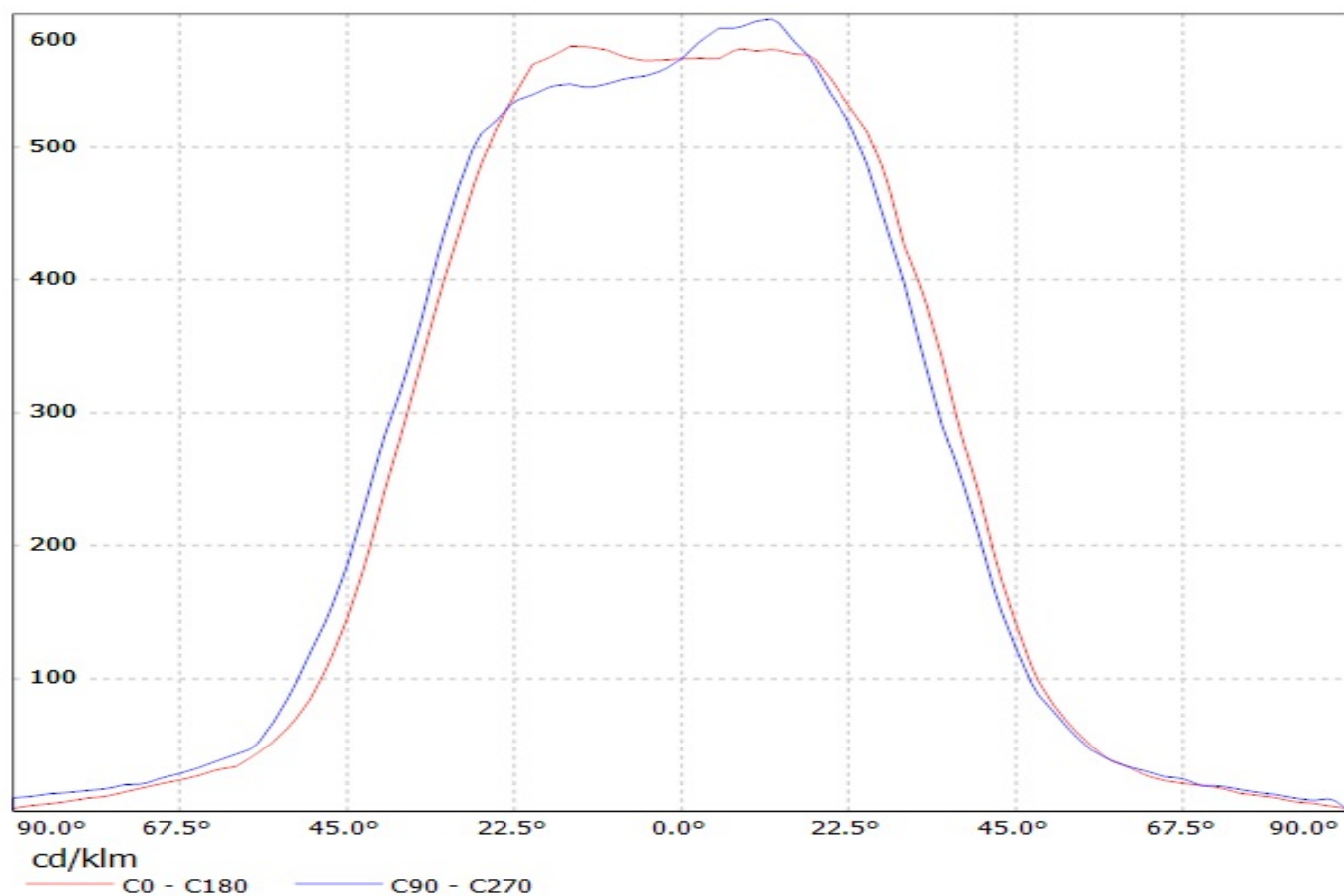
Luminaire: Ledil Oy CA12428_TINA3-WWW (Cree XT-E 98lm @ 250mA) Efficiency=85%
Lamps: 1 x Cree XT-E 98lm @ 250mA



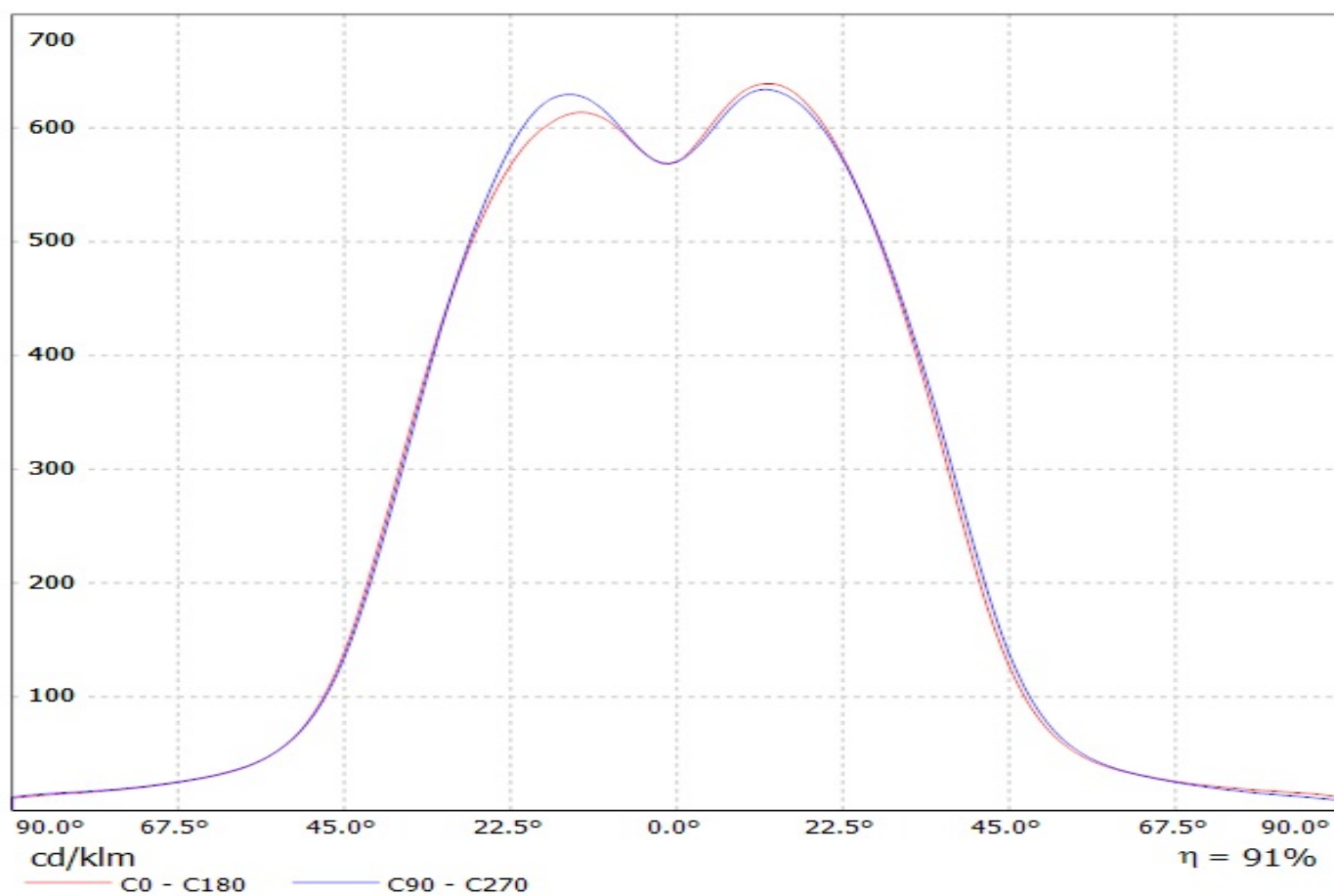
Luminaire: Ledil Oy CA12428_TINA3-WWW (Osram Square EC 68lm @ 250mA) Efficiency=87%
Lamps: 1 x Osram Square EC 68lm @ 250mA



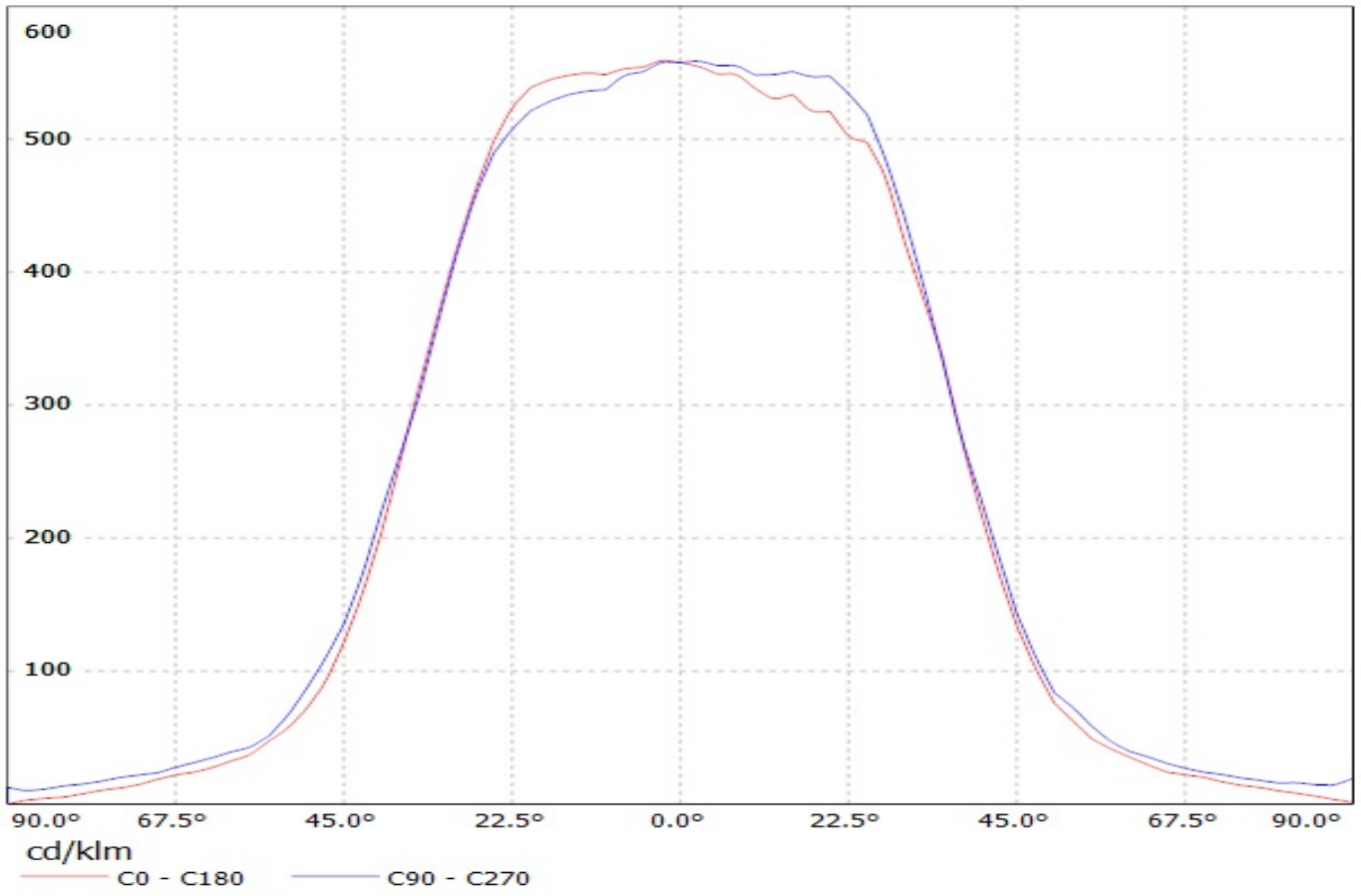
Luminaire: Ledil Oy CA12428_TINA3-WWW (Luxeon A 64lm @ 250mA) Efficiency=86%
Lamps: 1 x Luxeon A 64lm @ 250mA



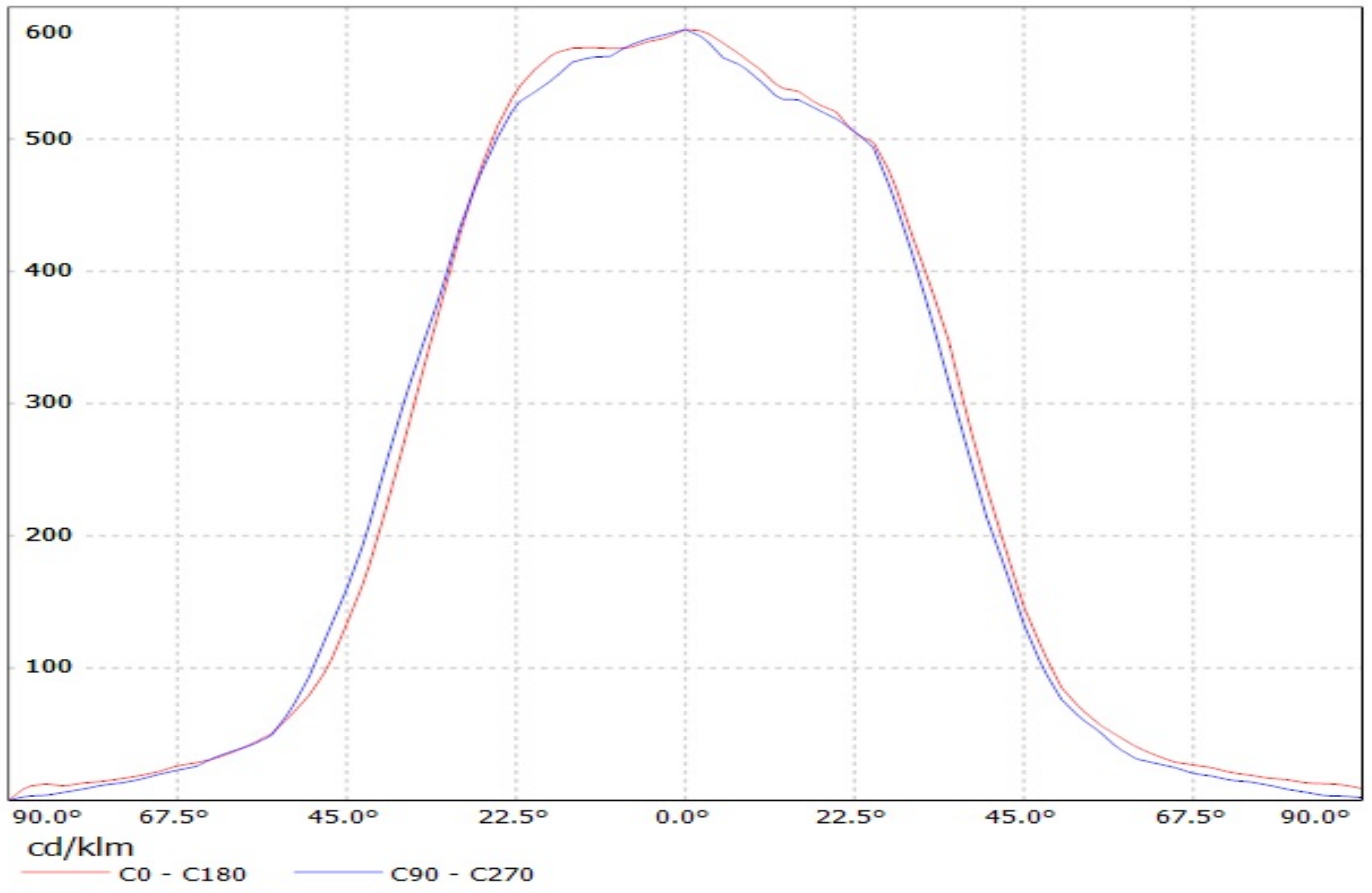
Luminaire: LEDiL Oy CA12428_TINA3-WWWW_(XP-L_HI)
Lamps: 1 x Cree_XP-L_HI_114.406lm@250mA_P=0.745352W_I=0.2499A



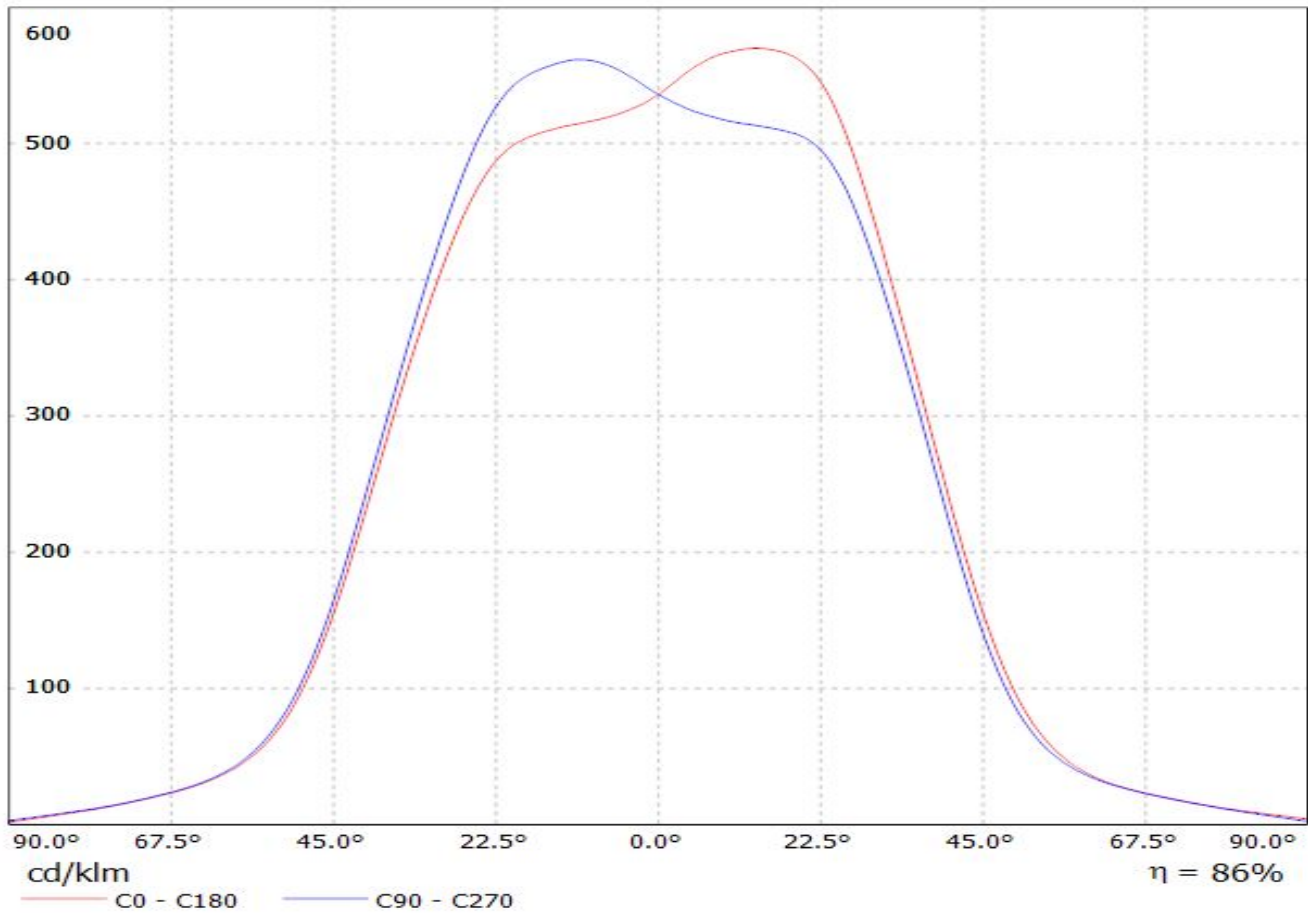
Luminaire: Ledil Oy CA12428_TINA3-WWW (Nichia NVS19 92lm @ 250mA) Efficiency=83%
Lamps: 1 x Nichia NVS19 92lm @ 250mA



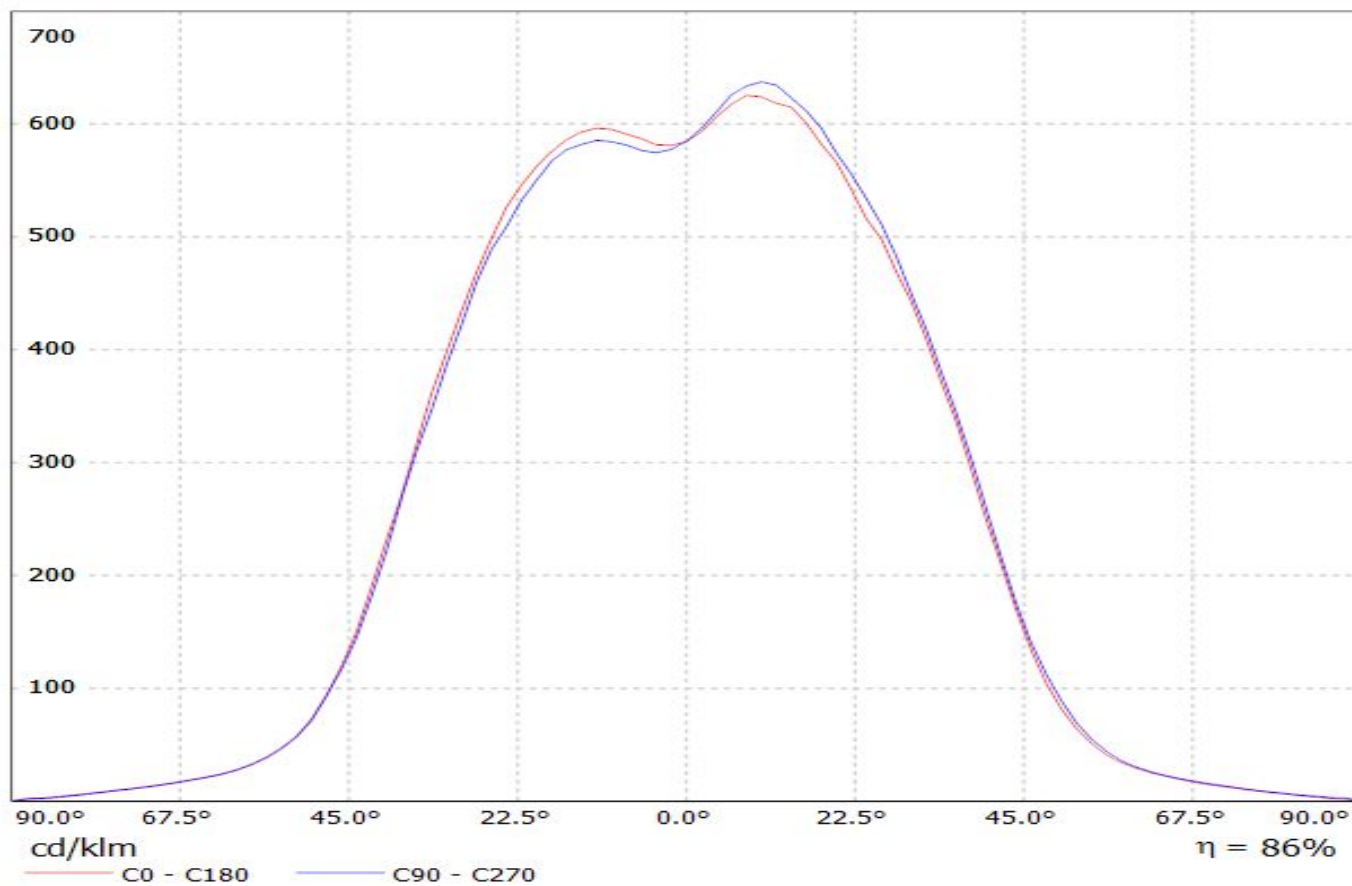
Luminaire: Ledil Oy CA12428_TINA3-WWW (Osram Square EC 66lm @ 250mA) Efficiency=84%
Lamps: 1 x Osram Square EC 66lm @ 250mA



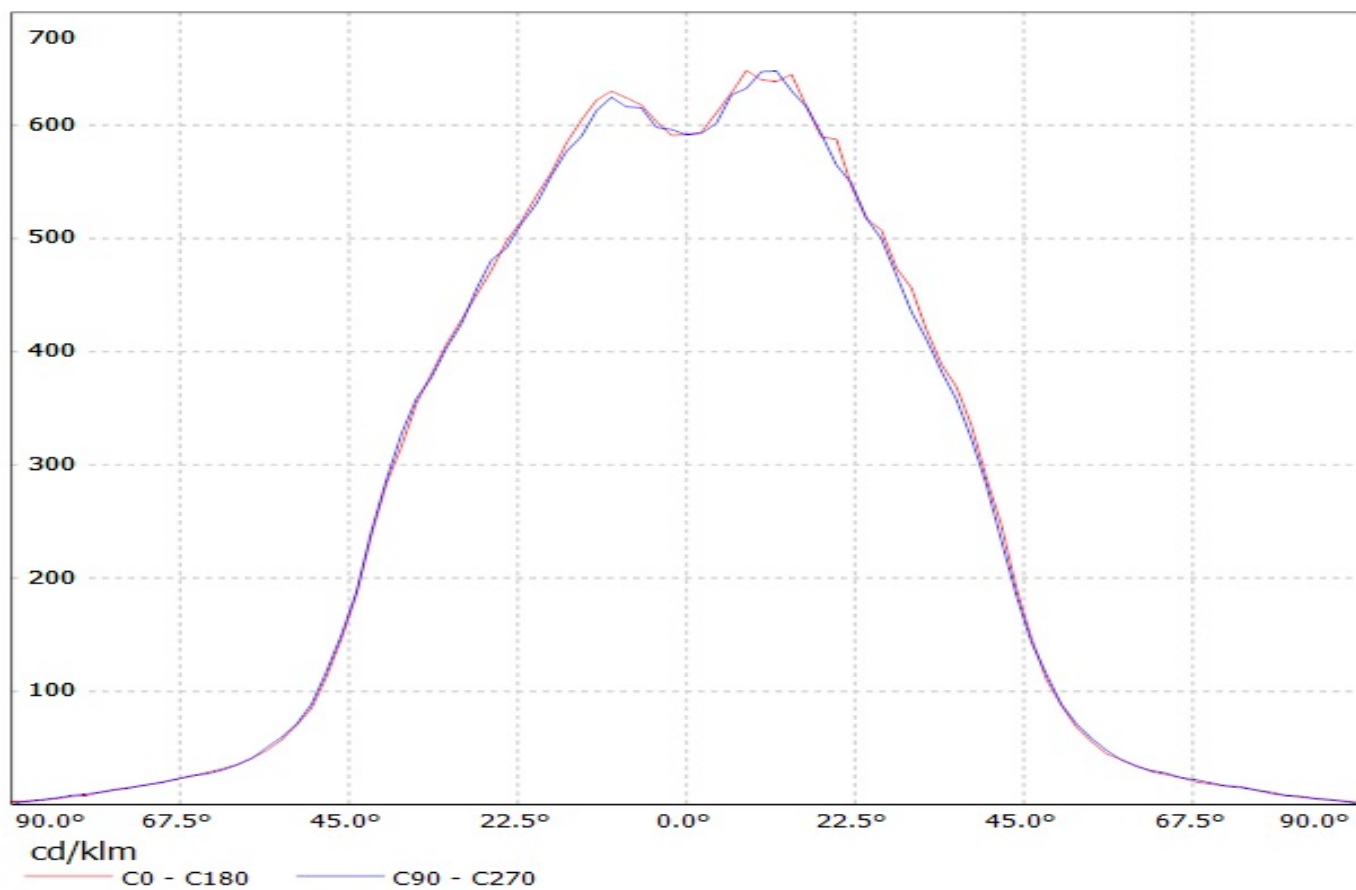
Luminaire: LEDiL Oy CA12428_TINA3-WWW_(LH351B)
Lamps: 1 x SAMSUNG_LH351B_107.366lm@250mA_P=2.9308W_I=249.9mA



Luminaire: Ledil Oy CA12428_TINA3-WWW_(XP-G2) Efficiency=86%
Lamps: 1 x Cree XP-G2 103lm @ 250mA CCT=6596 P=0.75W I=250mA

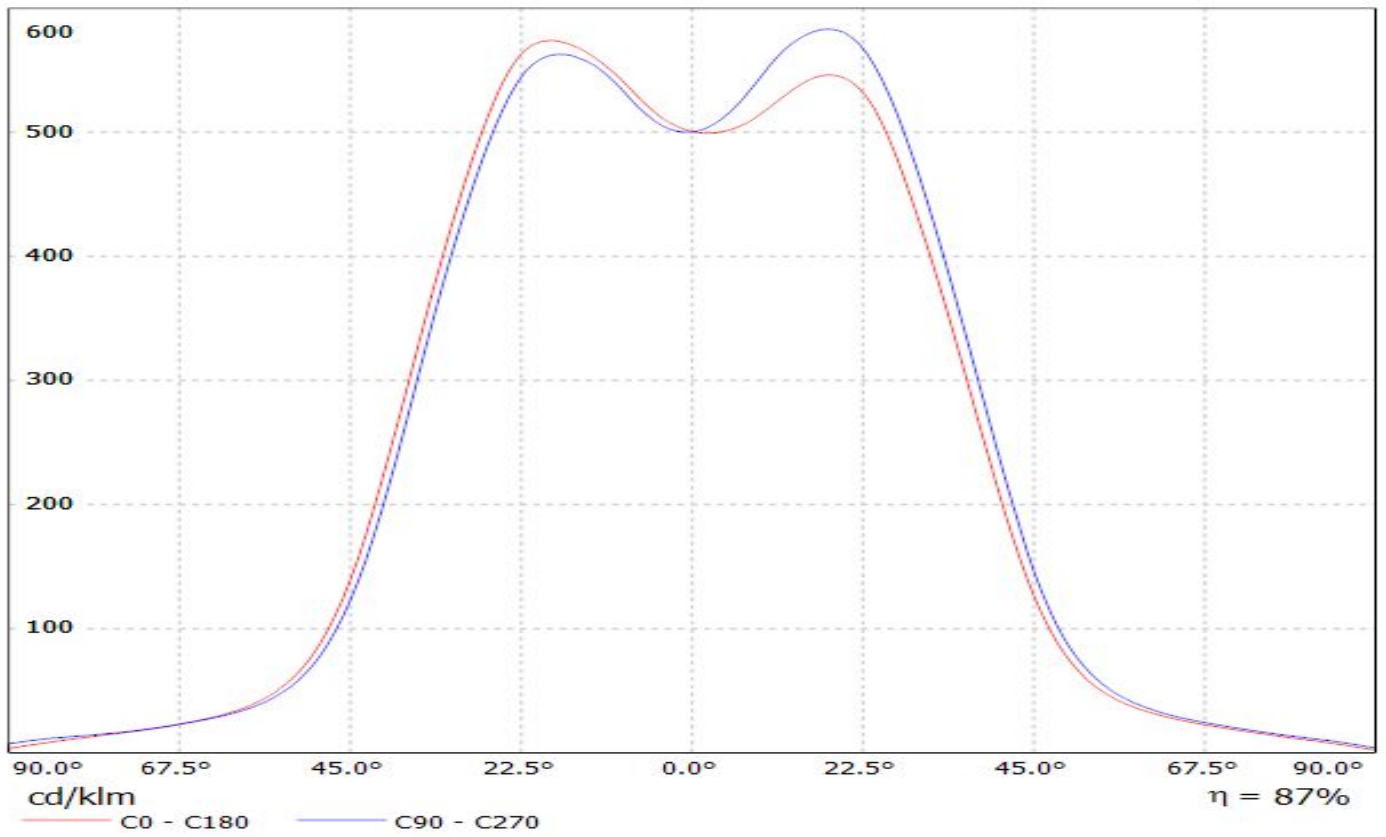


Luminaire: Ledil Oy CA12428_TINA3-WWW_(XP-E2) Efficiency=88%
Lamps: 1 x Cree XP-E2 (93lm @ 250mA) CCT=5600K P=0.8W I=250mA

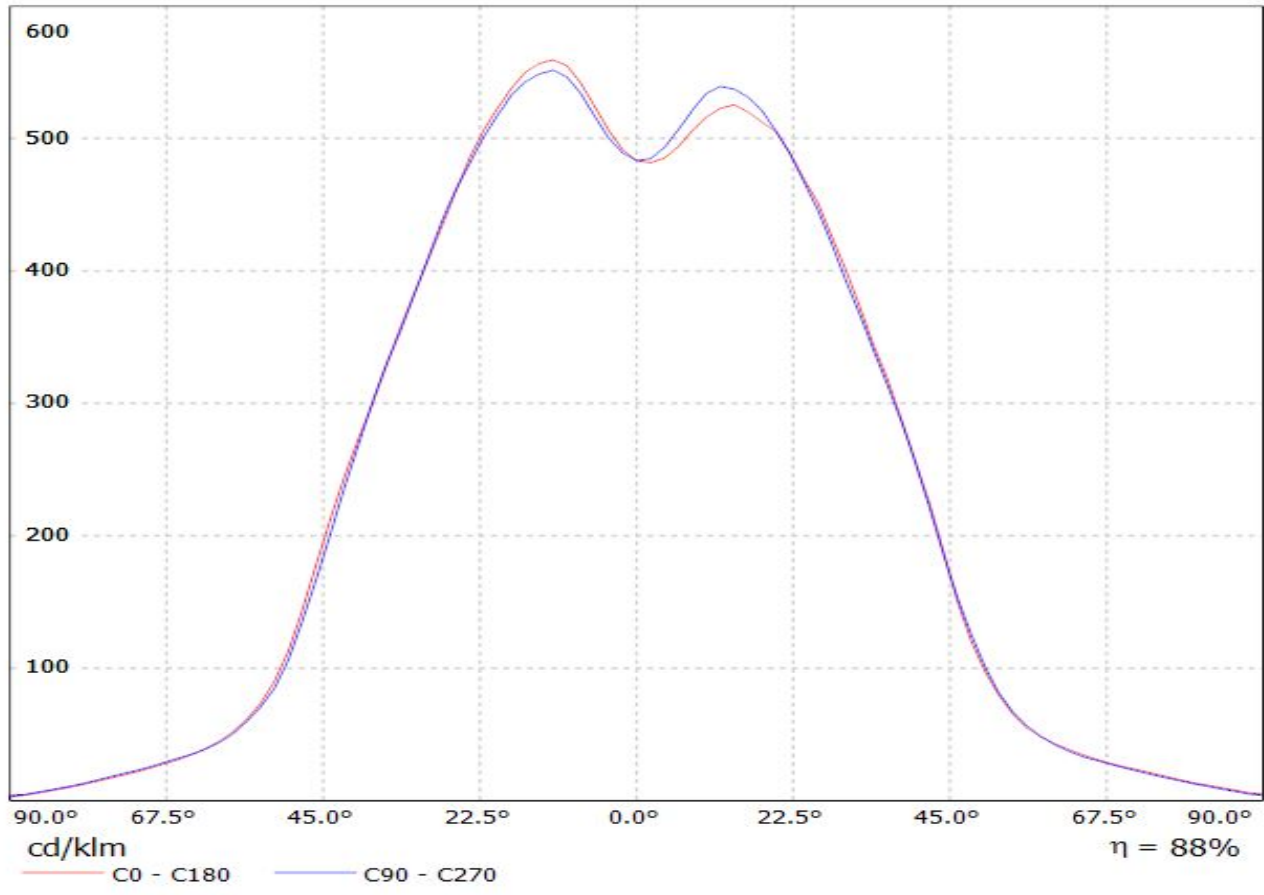


LEDiL Oy CA12428_TINA3-WWW_(LUXEON_T)_3 Eff.86.6% / LDC (Linear)

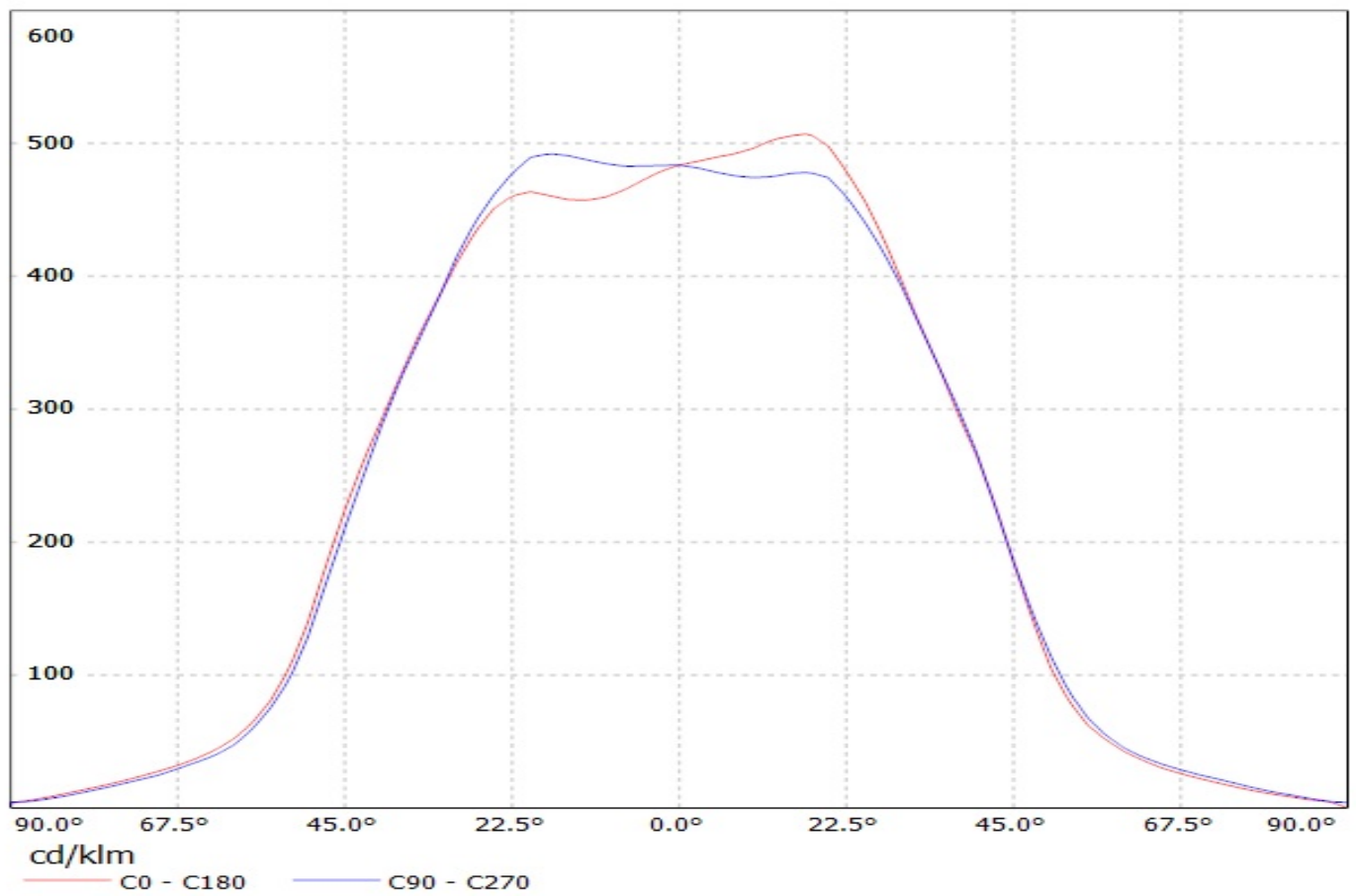
Luminaire: LEDiL Oy CA12428_TINA3-WWW_(LUXEON_T)_3 Eff.86.6%
Lamps: 1 x LUXEON T (74lm@250mA)



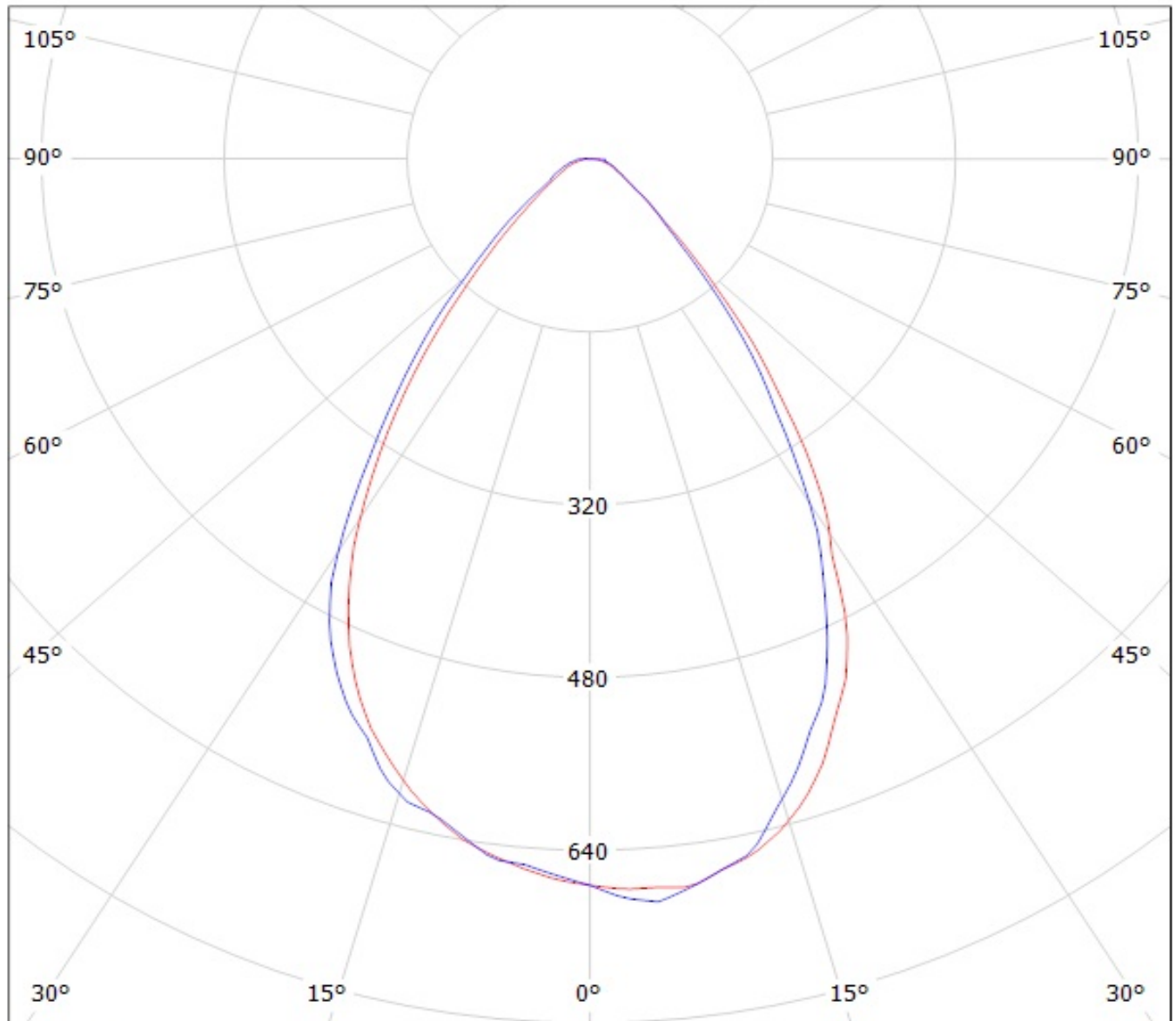
Luminaire: Ledil Oy CA12428_TINA3-WWW_(Luxeon_TX) Efficiency=87%
Lamps: 1 x Luxeon TX 108lm @ 250mA CCT= P=0.73W I=250mA



Luminaire: Ledil Oy CA12428_TINA3-WWW_(LH351Z) Efficiency=87%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



Luminaire: Ledil Oy CA12428_TINA3-WWW (Cree XT-E 98lm @ 250mA) Efficiency=85%
Lamps: 1 x Cree XT-E 98lm @ 250mA

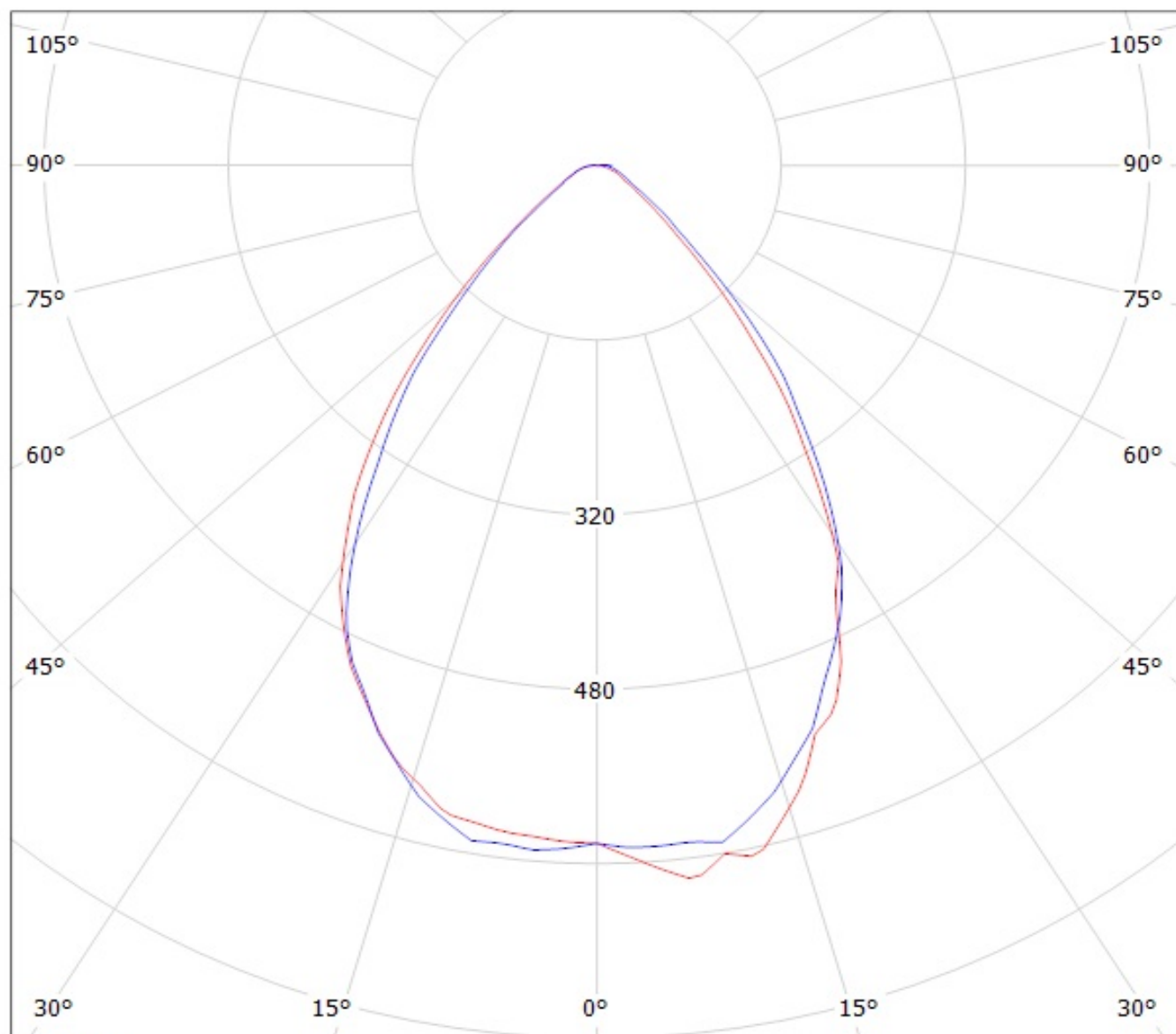


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA12428_TINA3-WWW (Osram Square EC 68lm @ 250mA) Efficiency=87%
Lamps: 1 x Osram Square EC 68lm @ 250mA

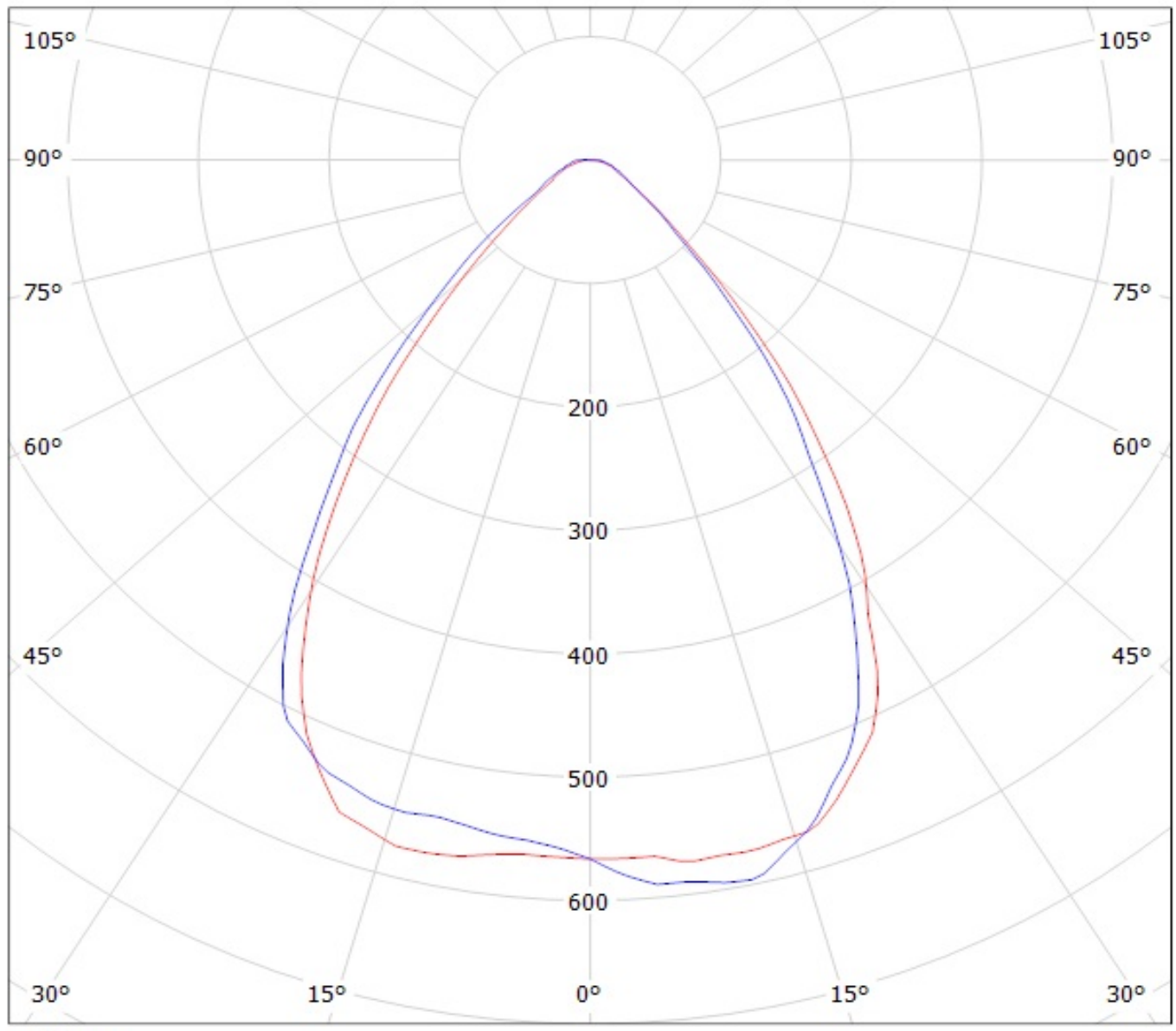


cd/klm

— C0 - C180

— C90 - C270

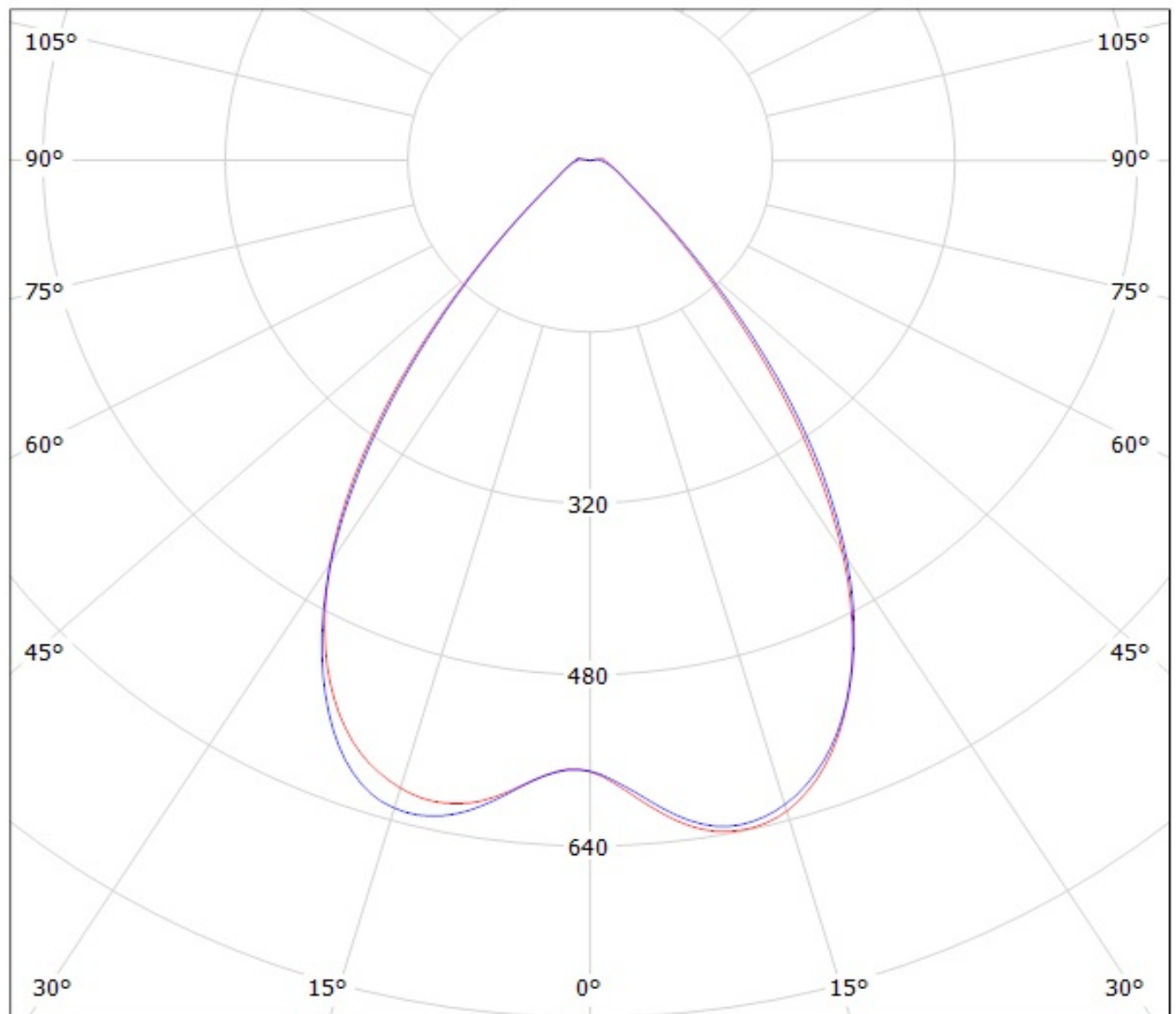
Luminaire: Ledil Oy CA12428_TINA3-WWW (Luxeon A 64lm @ 250mA) Efficiency=86%
Lamps: 1 x Luxeon A 64lm @ 250mA



cd/klm
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CA12428_TINA3-WWW_(XP-L_HI)

Lamps: 1 x Cree_XP-L_HI_114.406lm@250mA_P=0.745352W_I=0.2499A



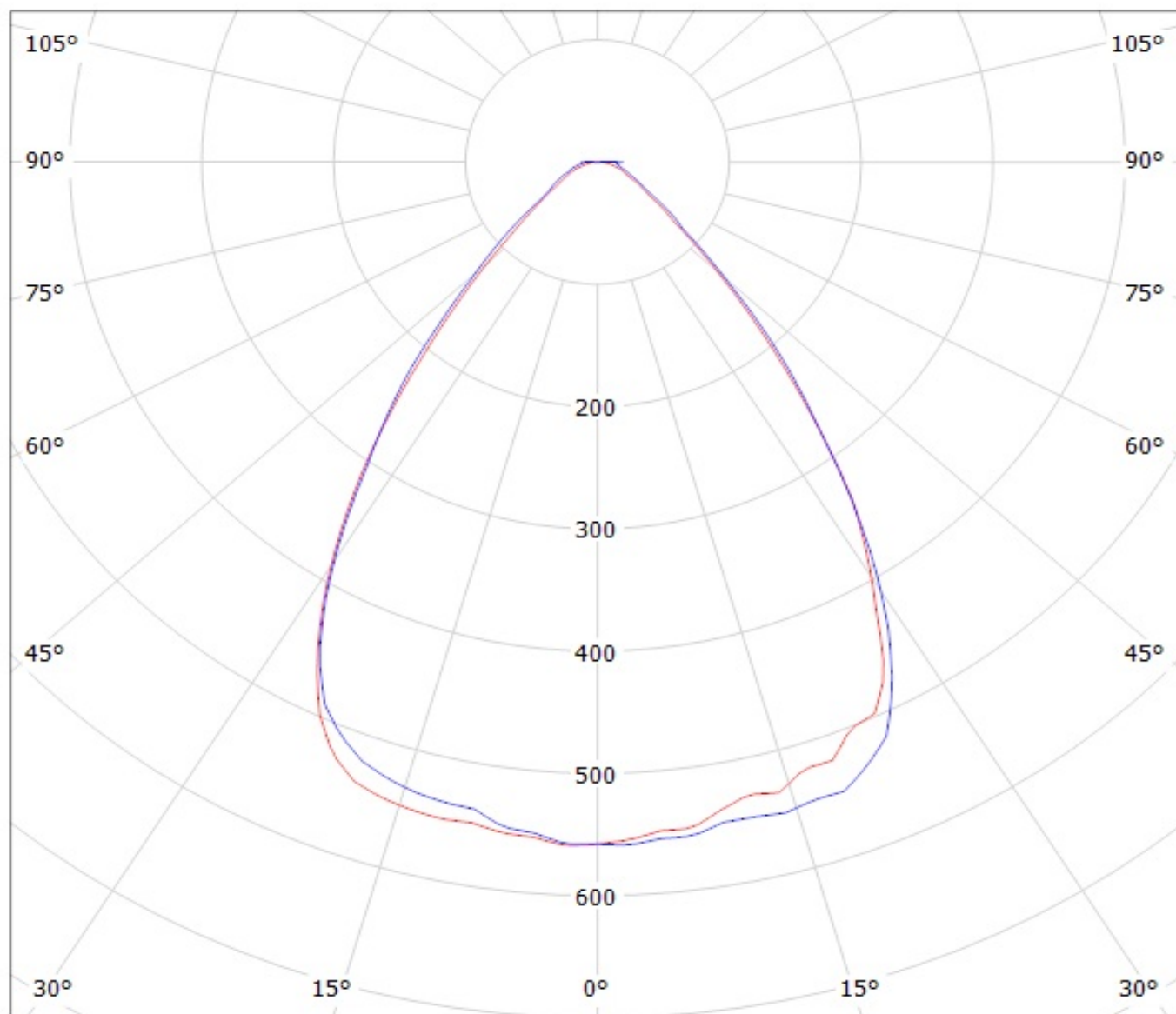
cd/klm

— C0 - C180

— C90 - C270

$\eta = 91\%$

Luminaire: Ledil Oy CA12428_TINA3-WWW (Nichia NVS19 92lm @ 250mA) Efficiency=83%
Lamps: 1 x Nichia NVS19 92lm @ 250mA

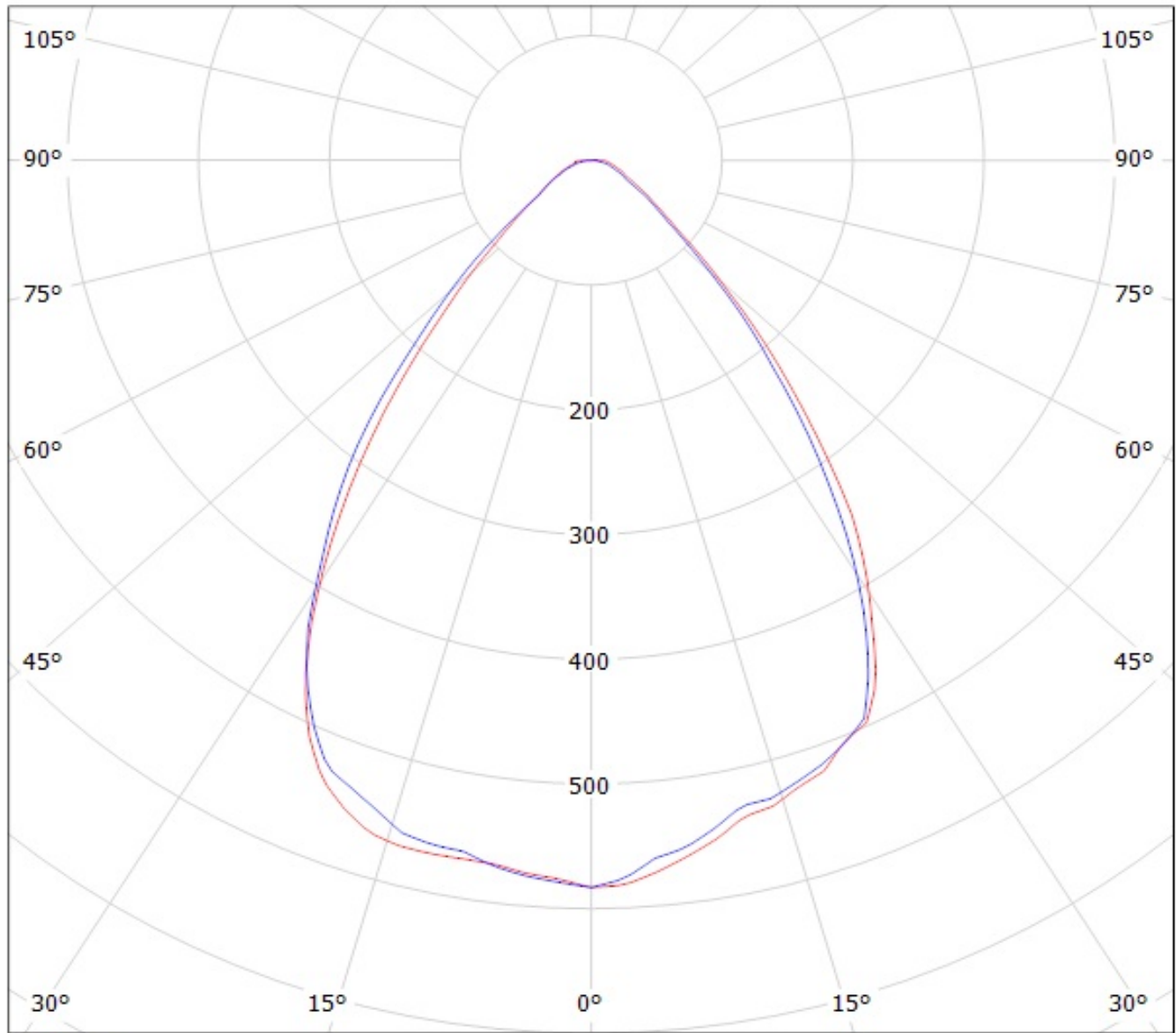


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA12428_TINA3-WWW (Osram Square EC 66lm @ 250mA) Efficiency=84%
Lamps: 1 x Osram Square EC 66lm @ 250mA



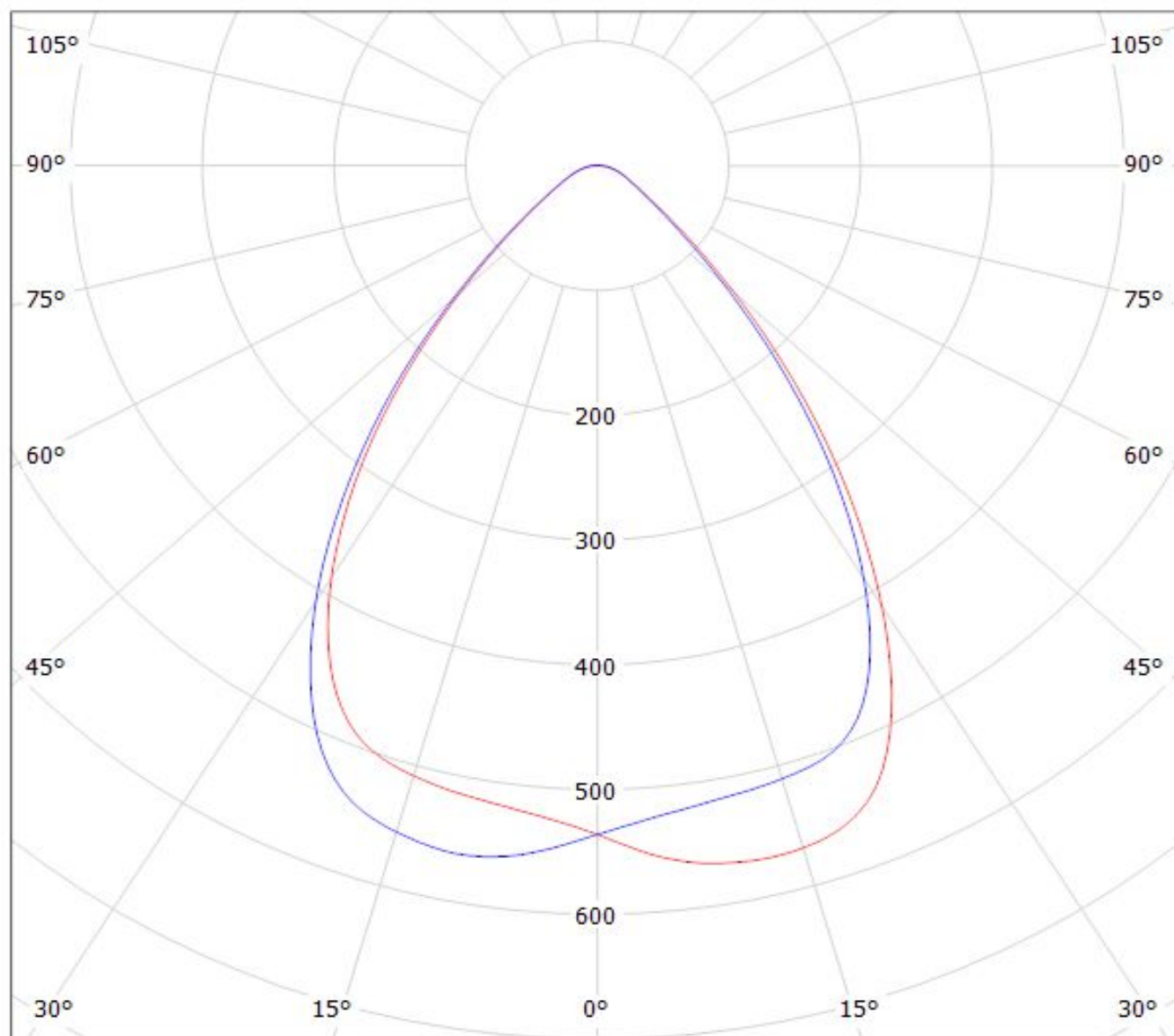
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA12428_TINA3-WWW_(LH351B)

Lamps: 1 x SAMSUNG_LH351B_107.366lm@250mA_P=2.9308W_I=249.9mA



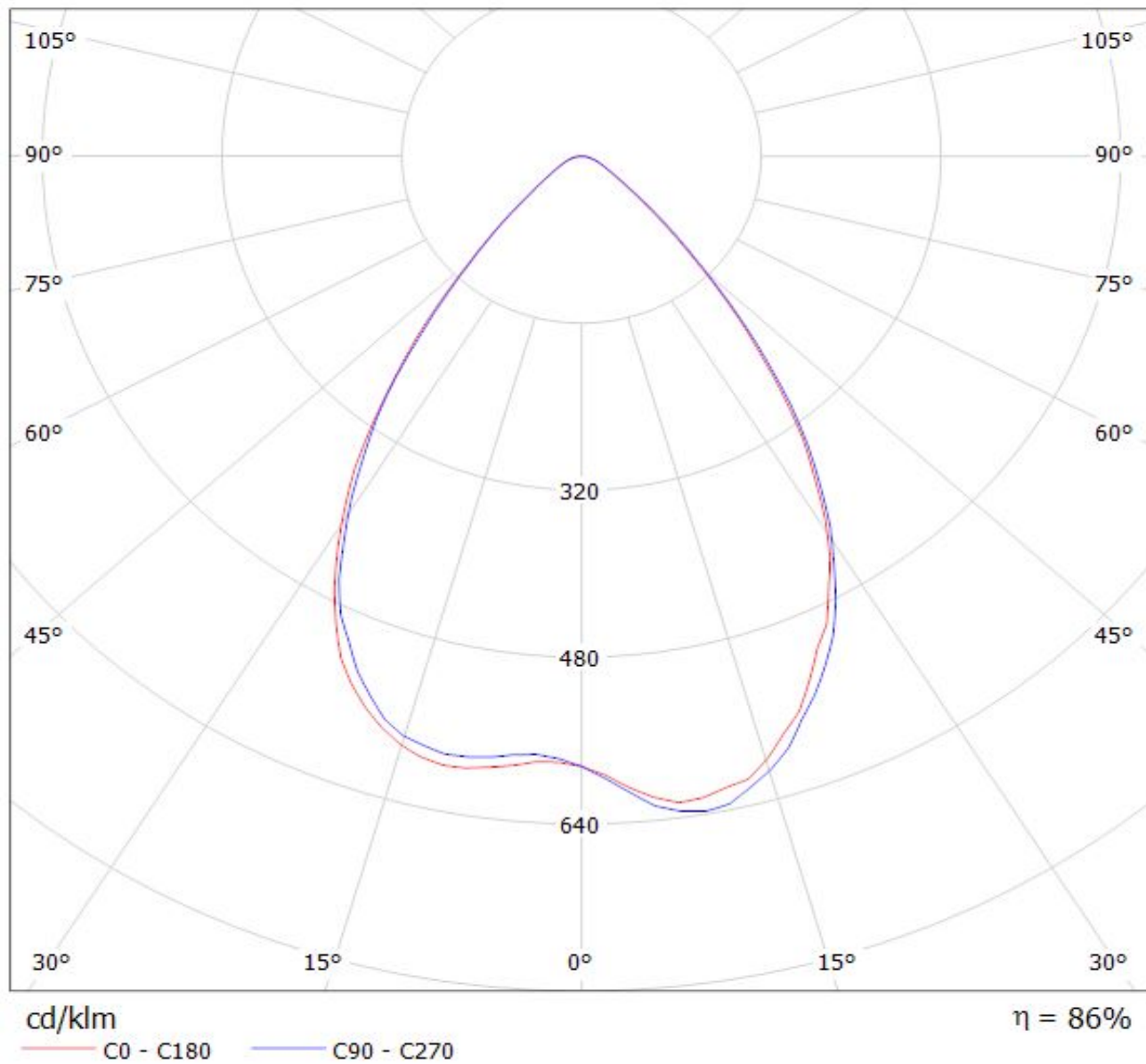
cd/klm

$\eta = 86\%$

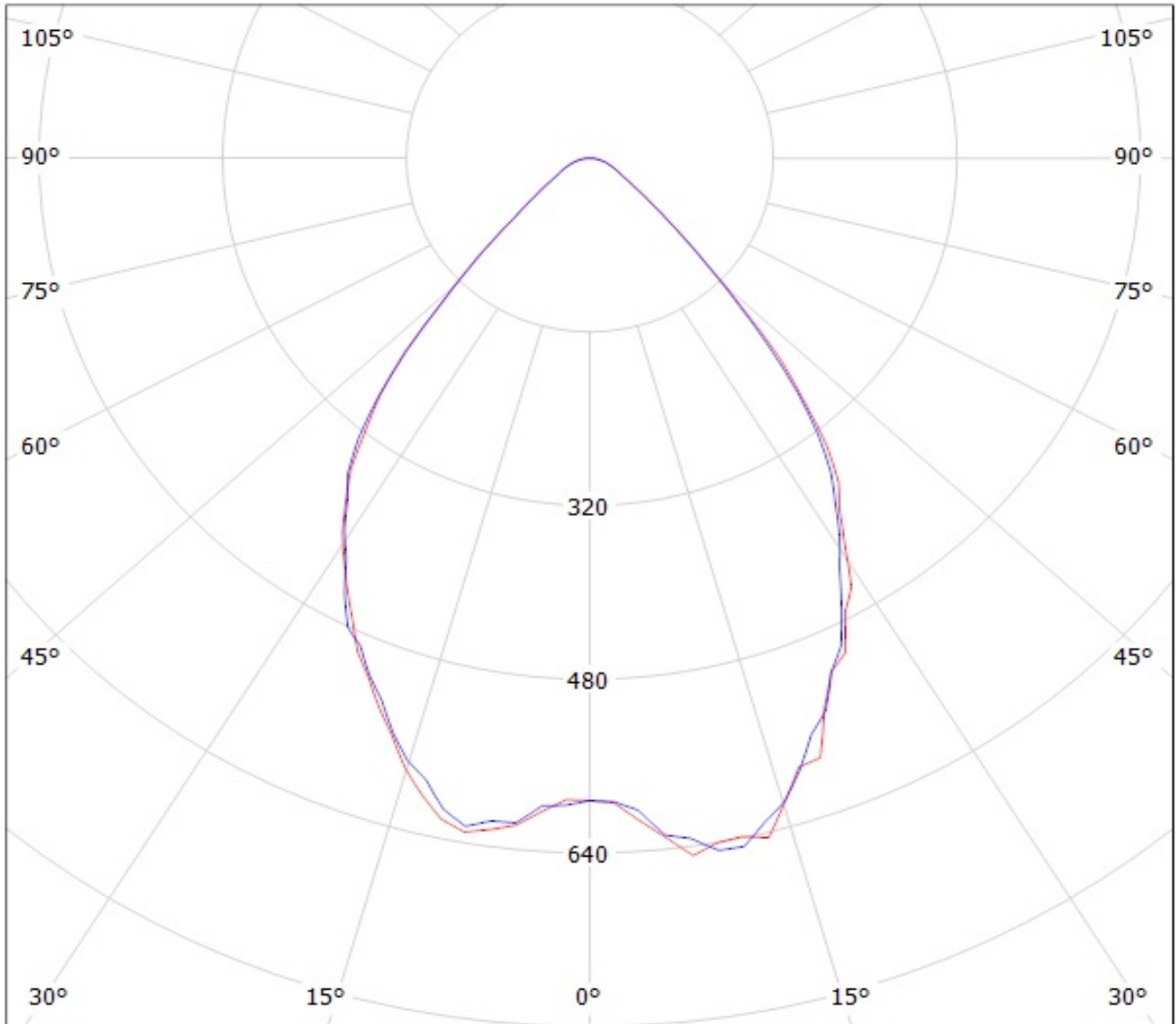
— C0 - C180

— C90 - C270

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Luminaire: Ledil Oy CA12428_TINA3-WWW_(XP-E2) Efficiency=88%
Lamps: 1 x Cree XP-E2 (93lm @ 250mA) CCT=5600K P=0.8W I=250mA

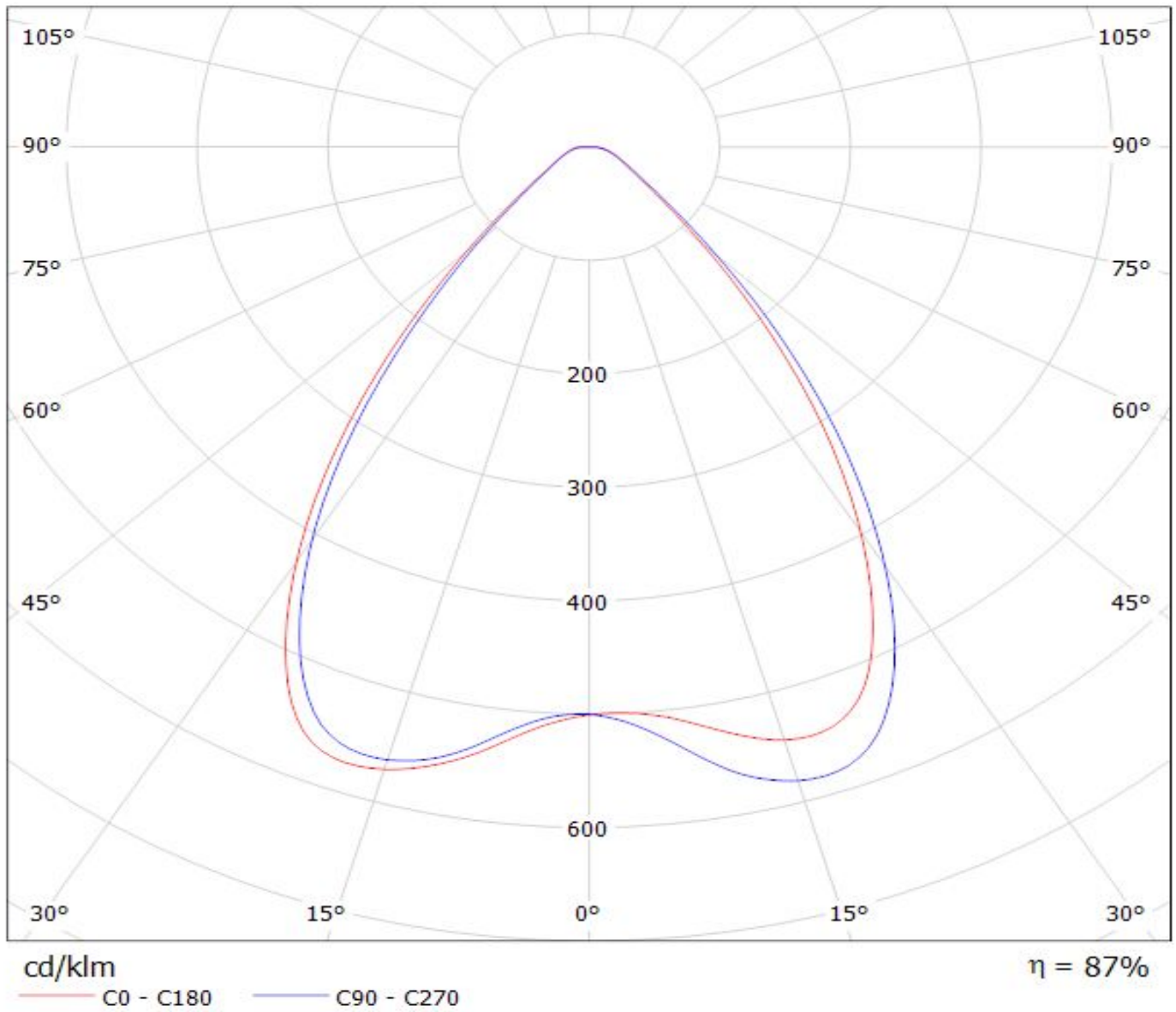


cd/klm
— C0 - C180 — C90 - C270

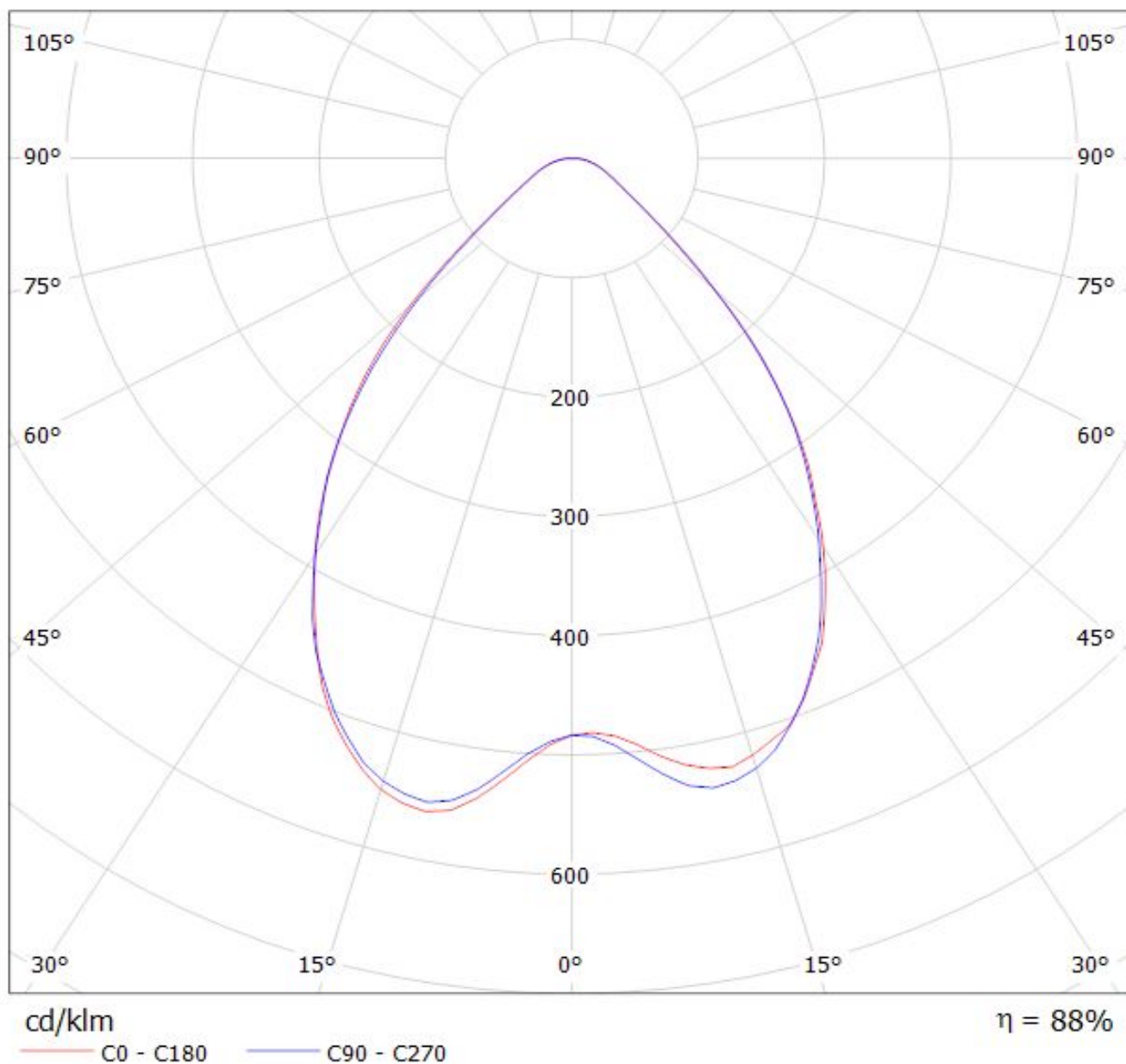
LEDiL Oy CA12428_TINA3-WWW_(LUXEON_T)_3 Eff.86.6% / LDC (Polar)

Luminaire: LEDiL Oy CA12428_TINA3-WWW_(LUXEON_T)_3 Eff.86.6%

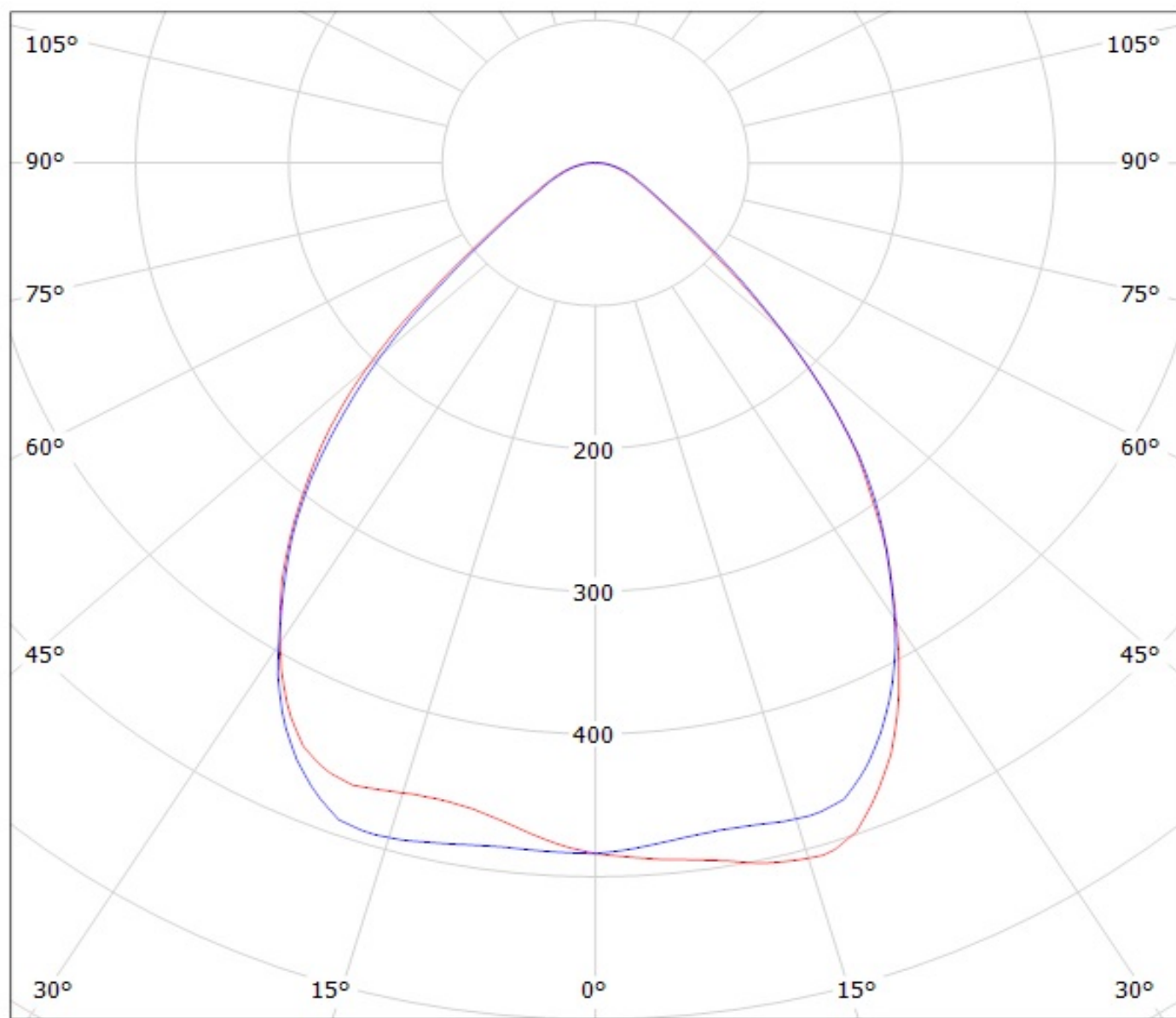
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Lamps: 1 x Luxeon TX 108lm @ 250mA CCT= P=0.73W I=250mA



Luminaire: Ledil Oy CA12428_TINA3-WWW_(LH351Z) Efficiency=87%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



cd/klm

— 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.