

DETAILS

Product Number	C13253_TINA2-R-CLIP16
Family	Tina2
Type	Reflector
Color	clear
Diameter	16,1 mm
Height	10,1 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	clips
Status	ready
ROHS Compliant	Yes
Date Updated	18/02/2013

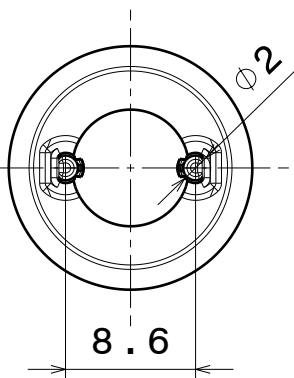


OPTICAL PROPERTIES

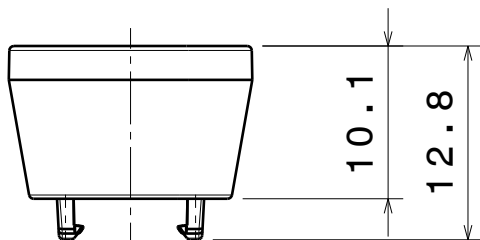
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	connector
XT-E	71 degrees		87 %	0.585	-
Oslon SSL 80	71 degrees		91 %	0.725	-
LUXEON Rebel	72 degrees		90 %	0.607	-
NCSxx19A	72 degrees		90 %	0.600	-
NF2x757A	72 degrees		92 %	0.595	-
XB-D	73 degrees		90 %	0.575	-
XP-E2	74 degrees		90 %	0.560	-
NVSxx19B	74 degrees		89 %	0.534	-
LUXEON Rebel ES	74 degrees		89 %	0.550	-
XP-E	74 degrees		90 %	0.544	-
NVSxx19A	74 degrees		90 %	0.556	-
XP-G2	75 degrees		89 %	0.530	-
LUXEON T	75 degrees		89 %	0.535	-
LUXEON A	75 degrees		91 %	0.540	-
LUXEON R	75 degrees		89 %	0.550	-
Oslon SSL 150	75 degrees		88 %	0.520	-
Oslon Square EC	75 degrees		91 %	0.545	-
Duris S5 (2 chip)	76 degrees		91 %	0.500	-
XP-G	77 degrees		90 %	0.506	-
XM-L2	78 degrees		90 %	0.480	-
XM-L	78 degrees		88 %	0.480	-
LUXEON TX	81 degrees		90 %	0.500	-

INDEX	PART NO	DESCRIPTION	MATERIAL
1	C13253	TINA2-R-CLIP16	PC

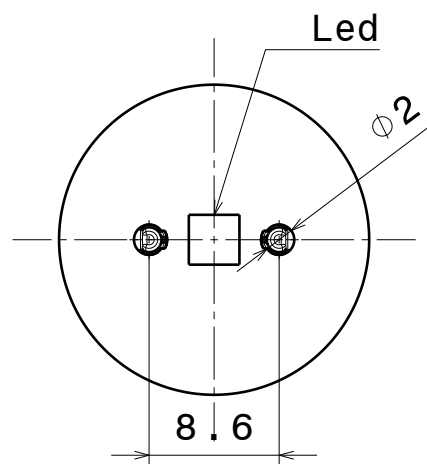
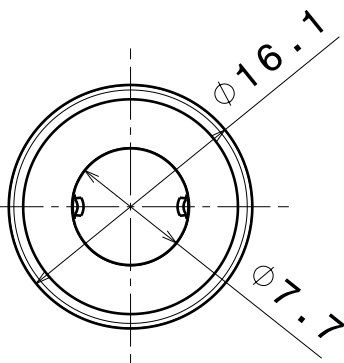
Bottom view



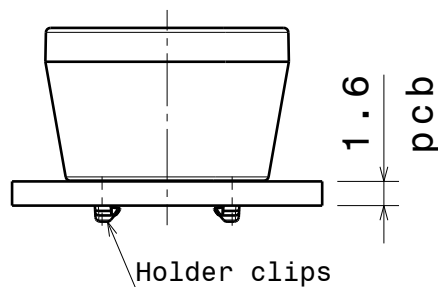
Front view



Top view



PCB-suggestion



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

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LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE

Part Drawing

DRAWN BY
mav

DATE
24.10.2012

Datasheet C13253 TINA2-R-CLIP16

CHECKED BY
VS

DATE
24.10.2012

SIZE
A4

PART NUMBER

C13253

REV
001

DESIGNED BY
mav

DATE
23.10.2012

SCALE

2:1

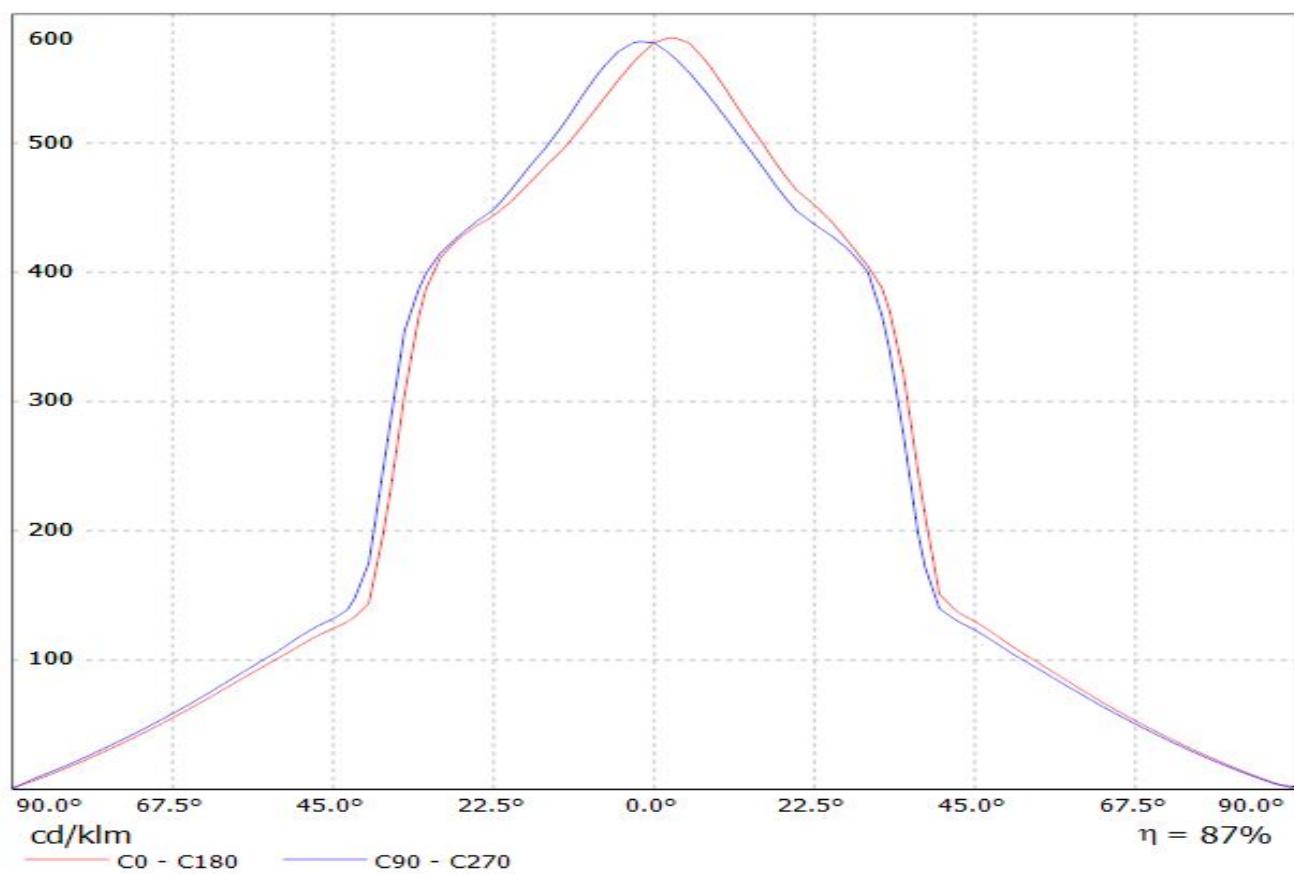
WEIGHT

0,789g

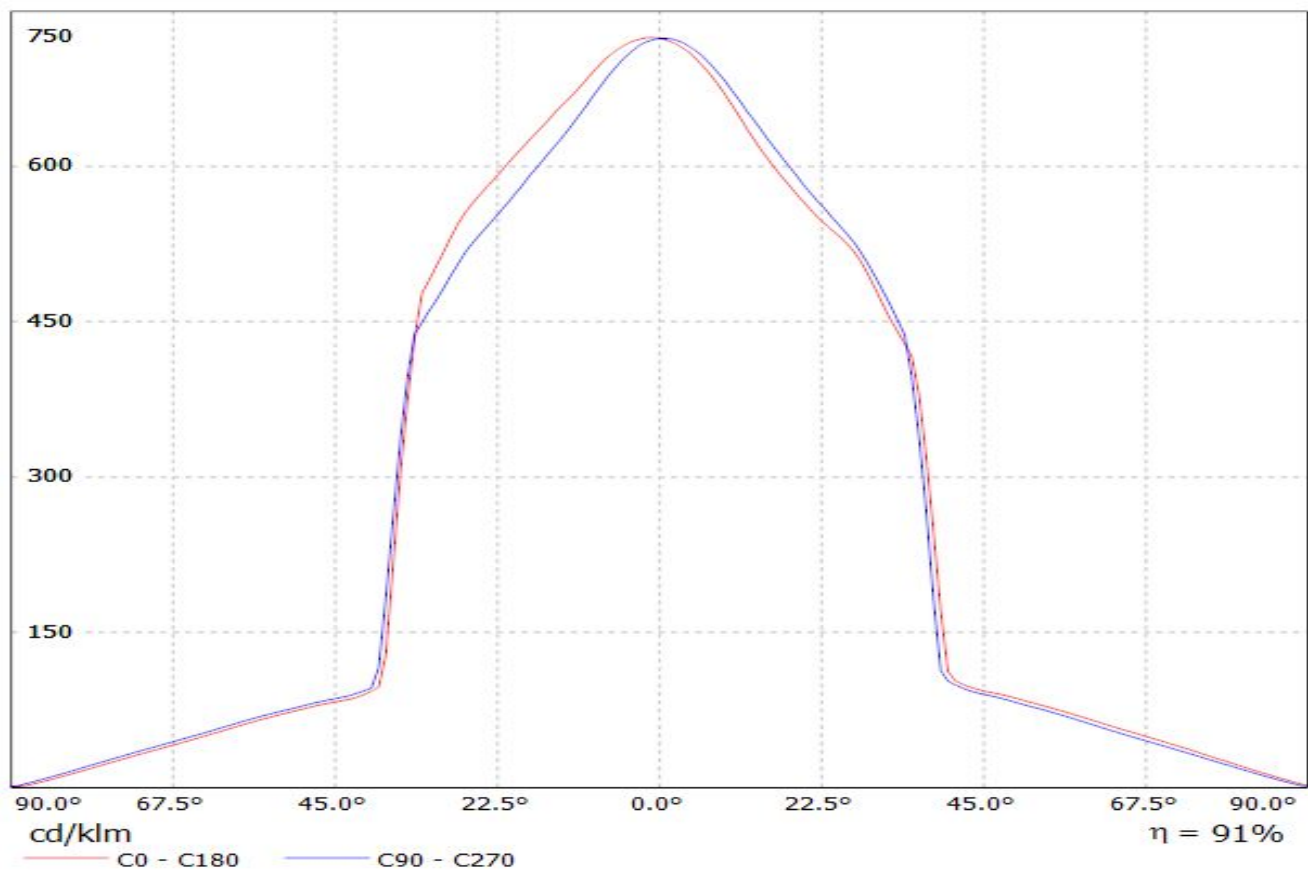
SHEET

1/1

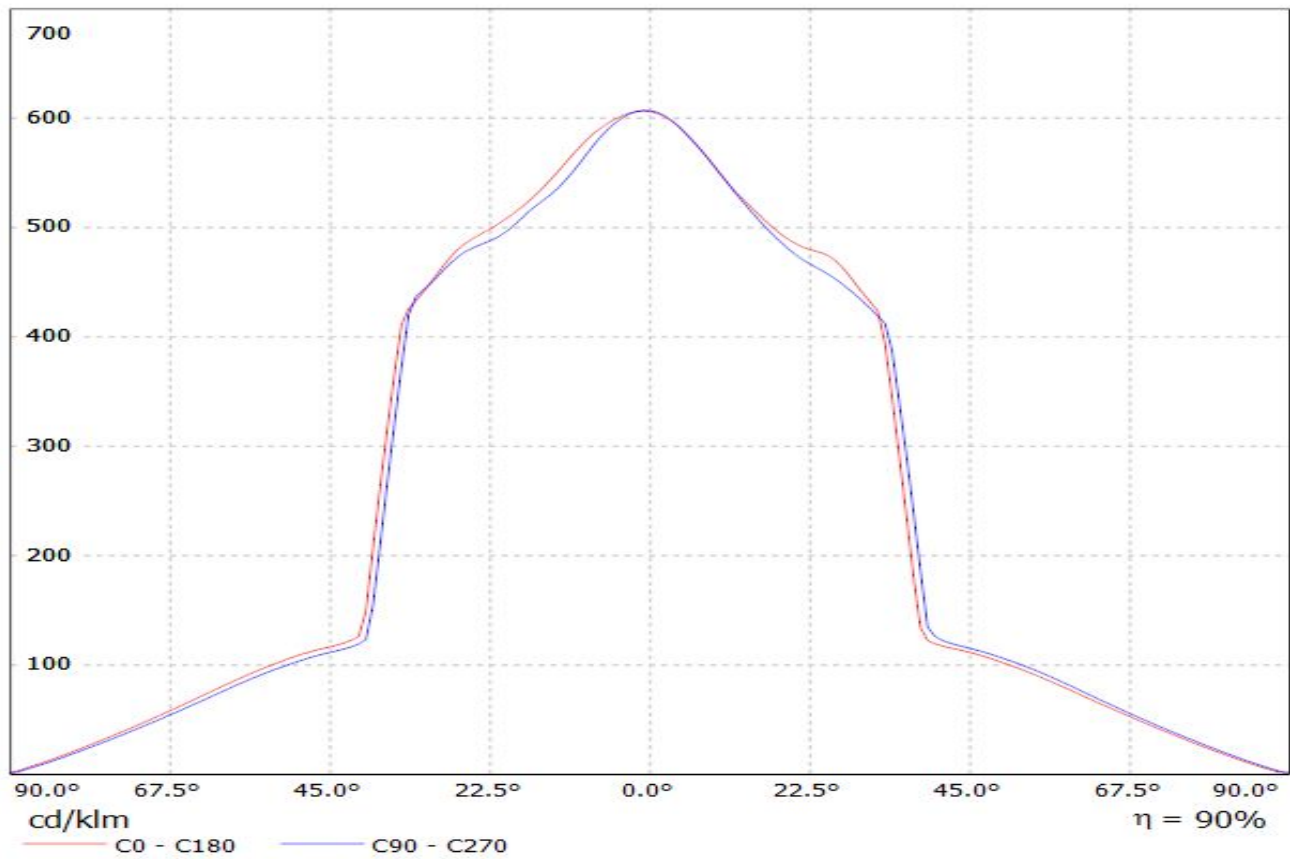
Luminaire: LEDiL Oy Luminaire Catalog Number C13253_TINA2-R-CLIP16_(XT-E) Eff, 86,5%
Lamps: 1 x Cree XT-E (102 lm@250mA)



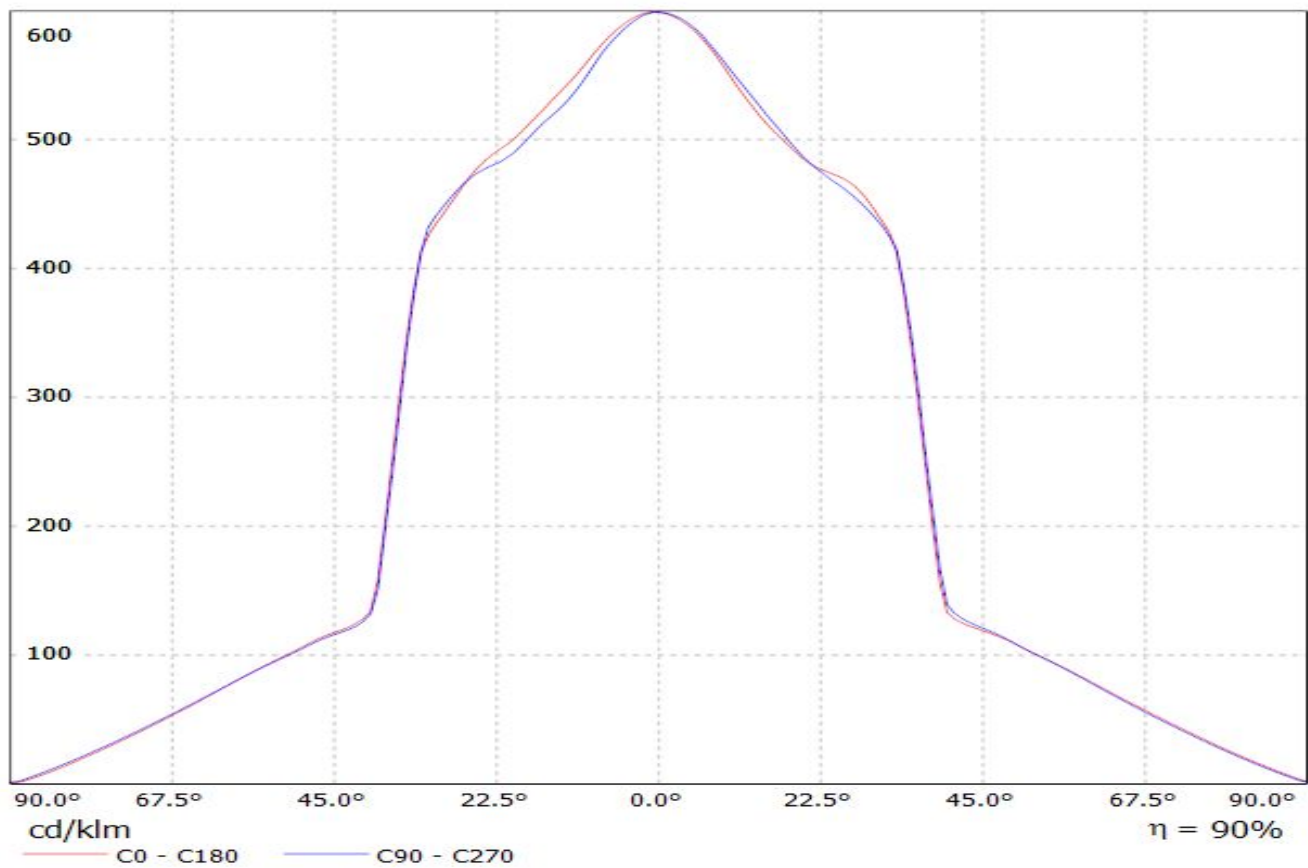
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(SSL80) Eff. 91,1%
Lamps: 1 x Osram SSL80 (81lm@250mA)



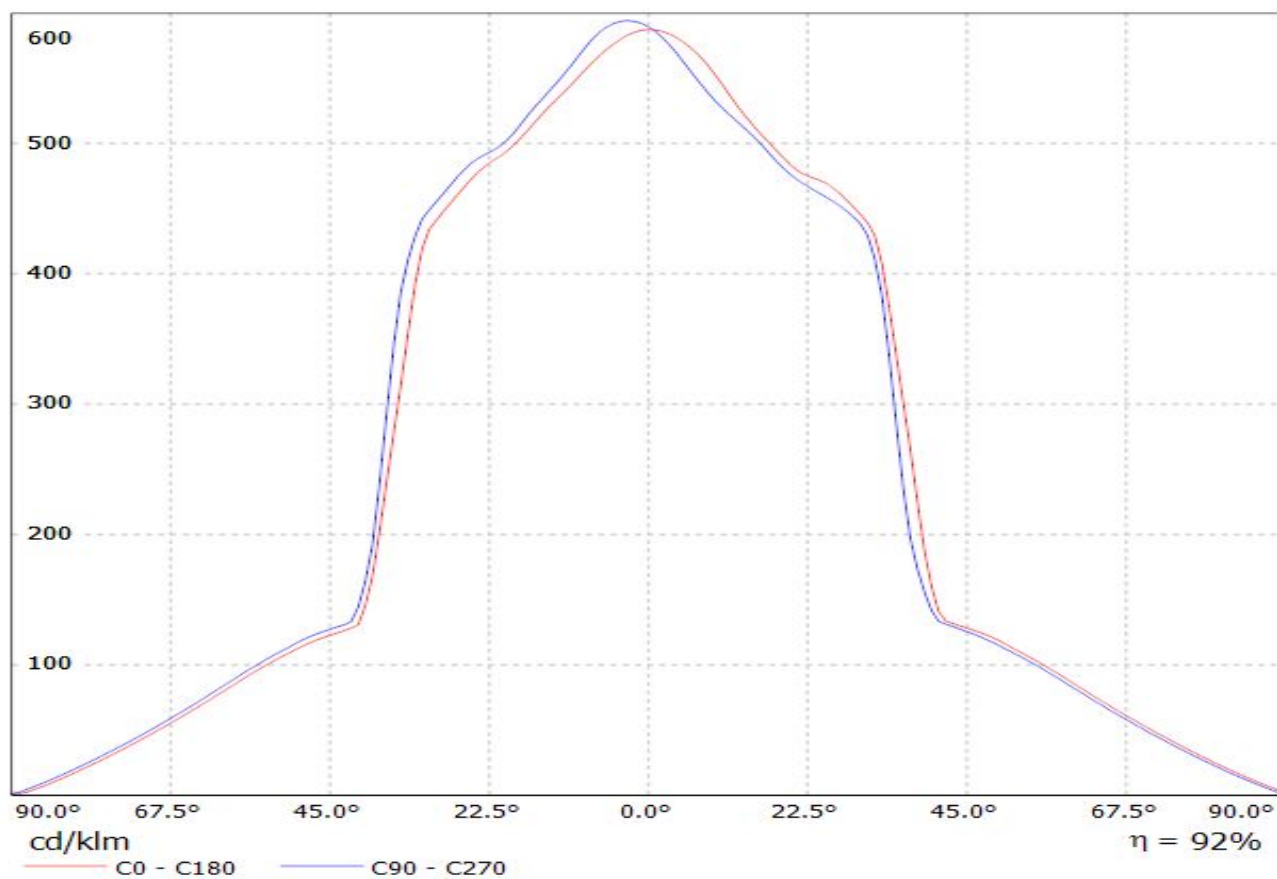
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(Luxeon_Rebel) Eff. 89,9%
Lamps: 1 x Luxeon Rebel (81lm@250mA)



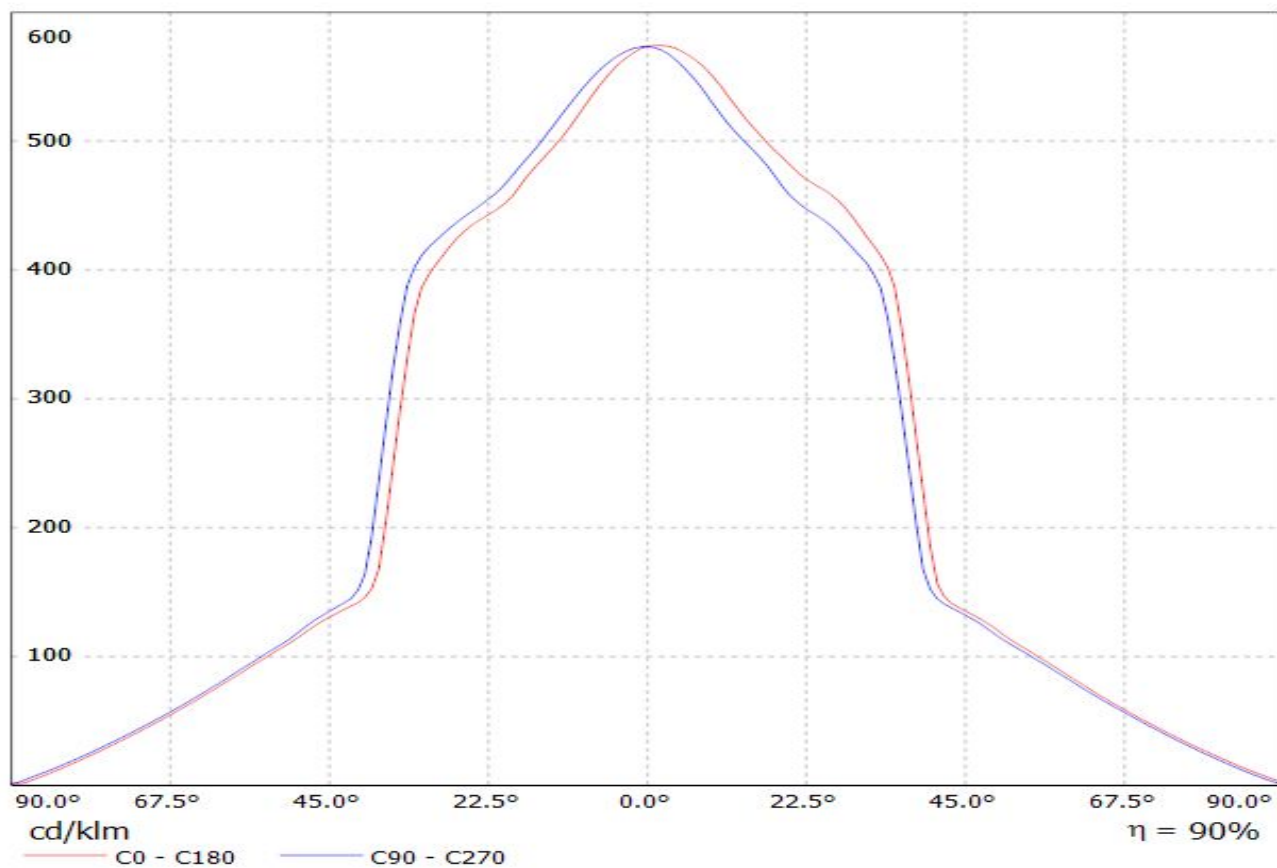
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(NCS19) Eff. 89,7%
Lamps: 1 x Nichia NCS19 (88lm@250mA)



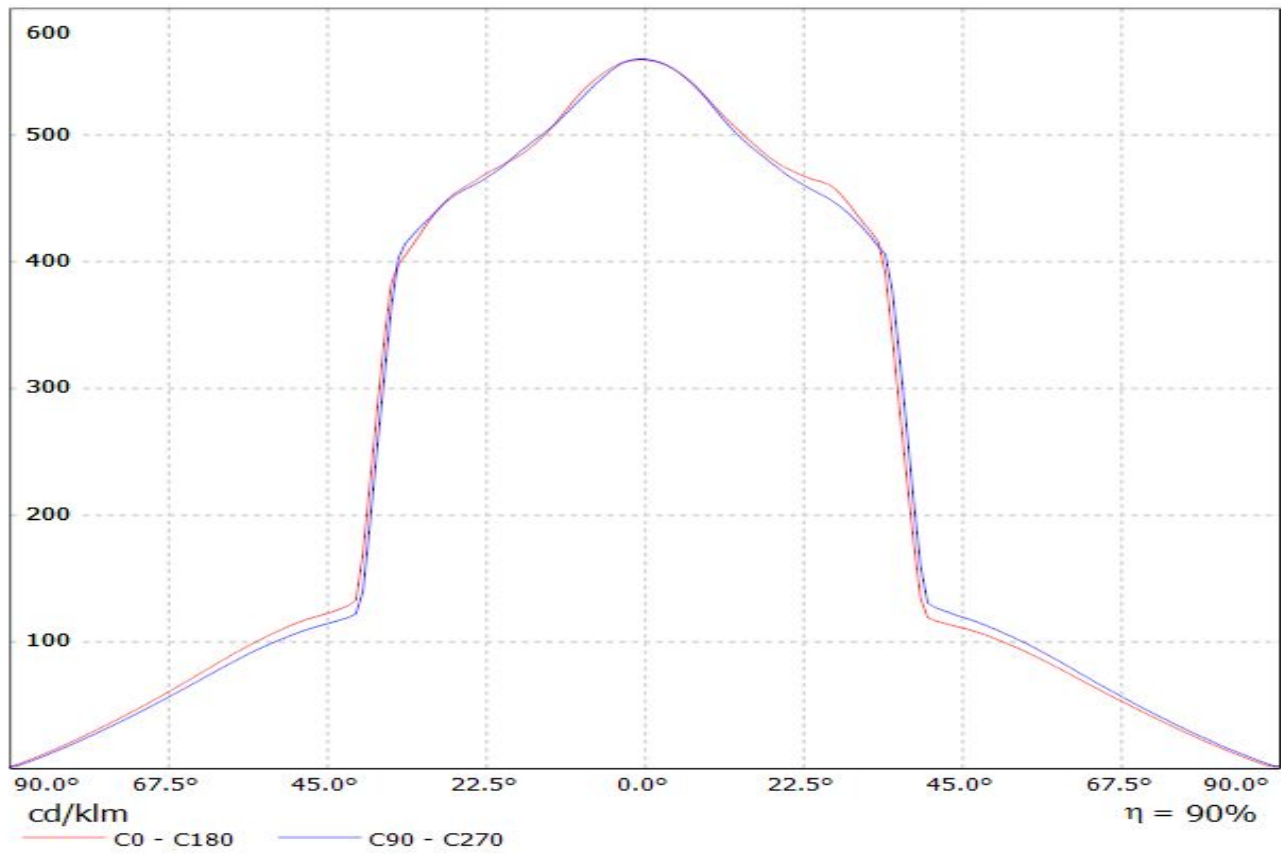
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(NF2x757) Eff. 91,7%
Lamps: 1 x Nichia NF2x757 (69lm@100mA)



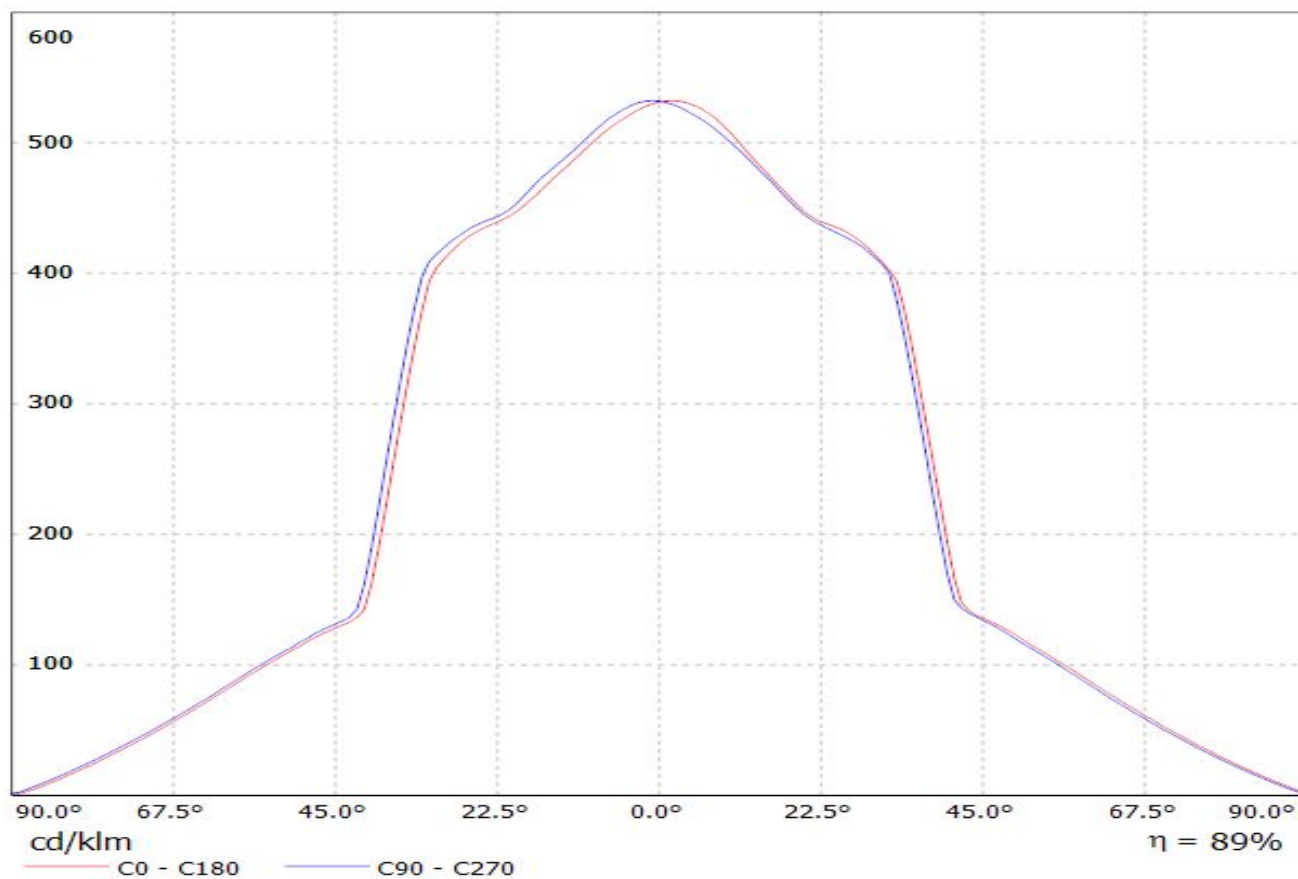
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XB-D) Eff. 89,9%
Lamps: 1 x Cree XB-D (92lm@250mA)



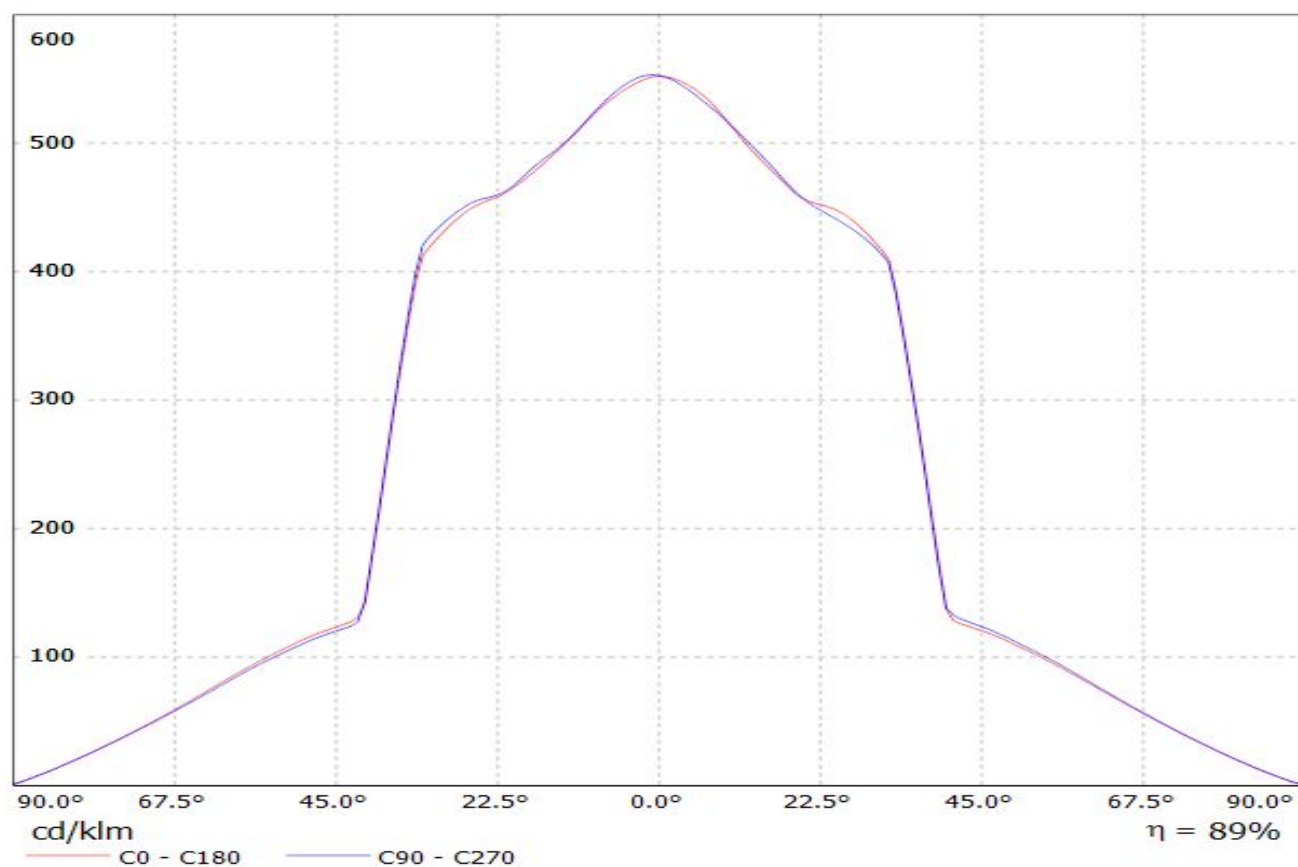
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XP-E2) Eff. 90,1%
Lamps: 1 x Cree XP-E2 (93 lm@250mA)



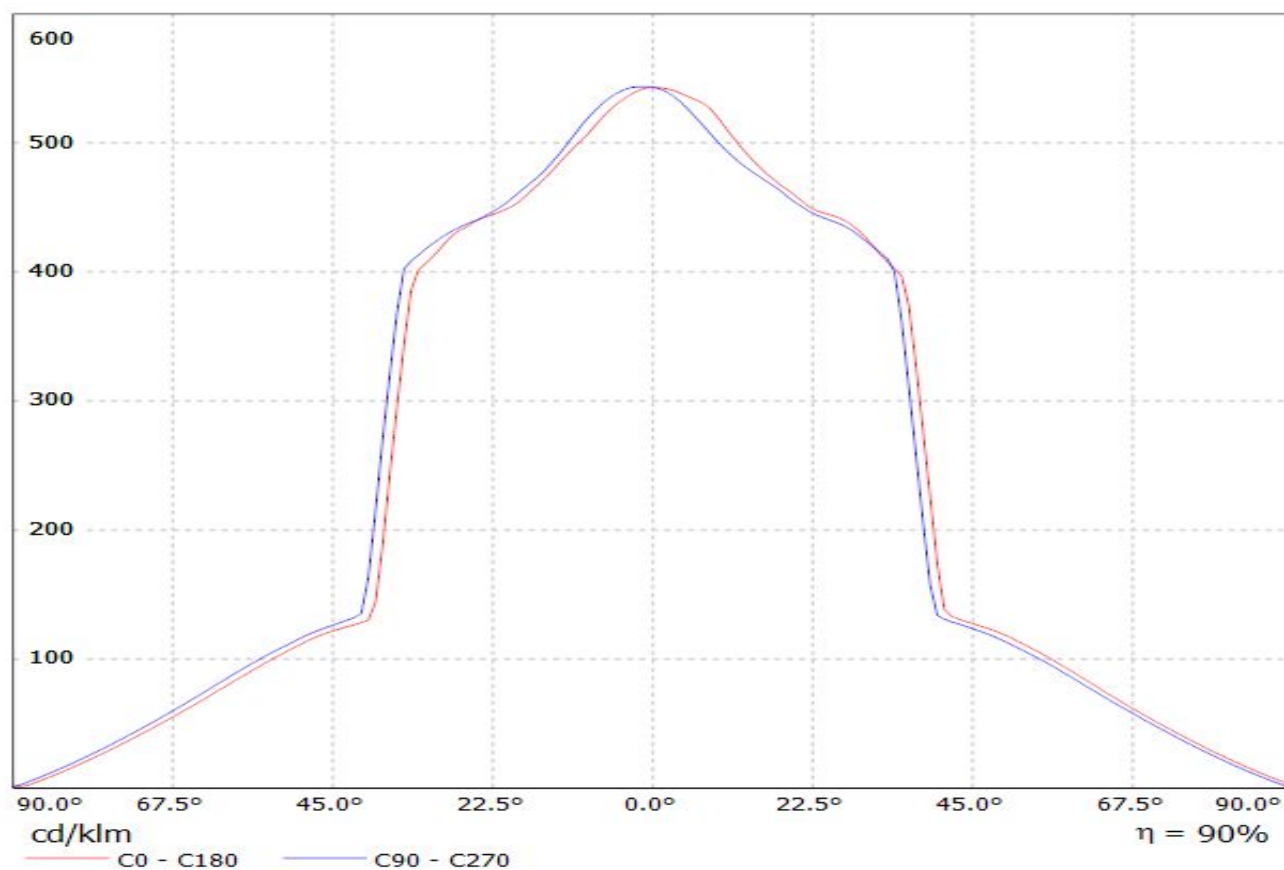
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(NVS19B) Eff. 89,4%
Lamps: 1 x Nichia NVS19B (108lm@250mA)



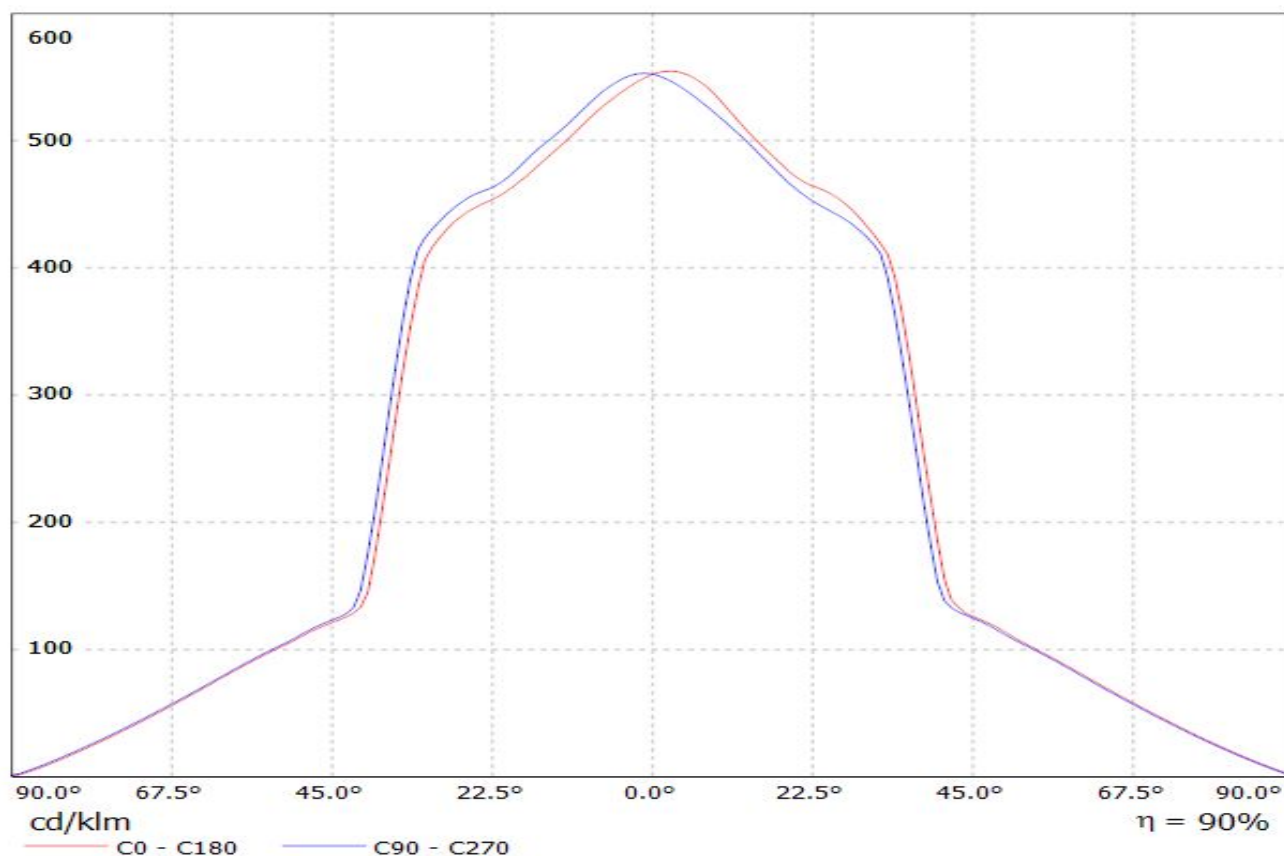
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(Luxeon_Rebel-ES) Eff. 89,3%
Lamps: 1 x Luxeon Rebel-ES (89lm@250mA)



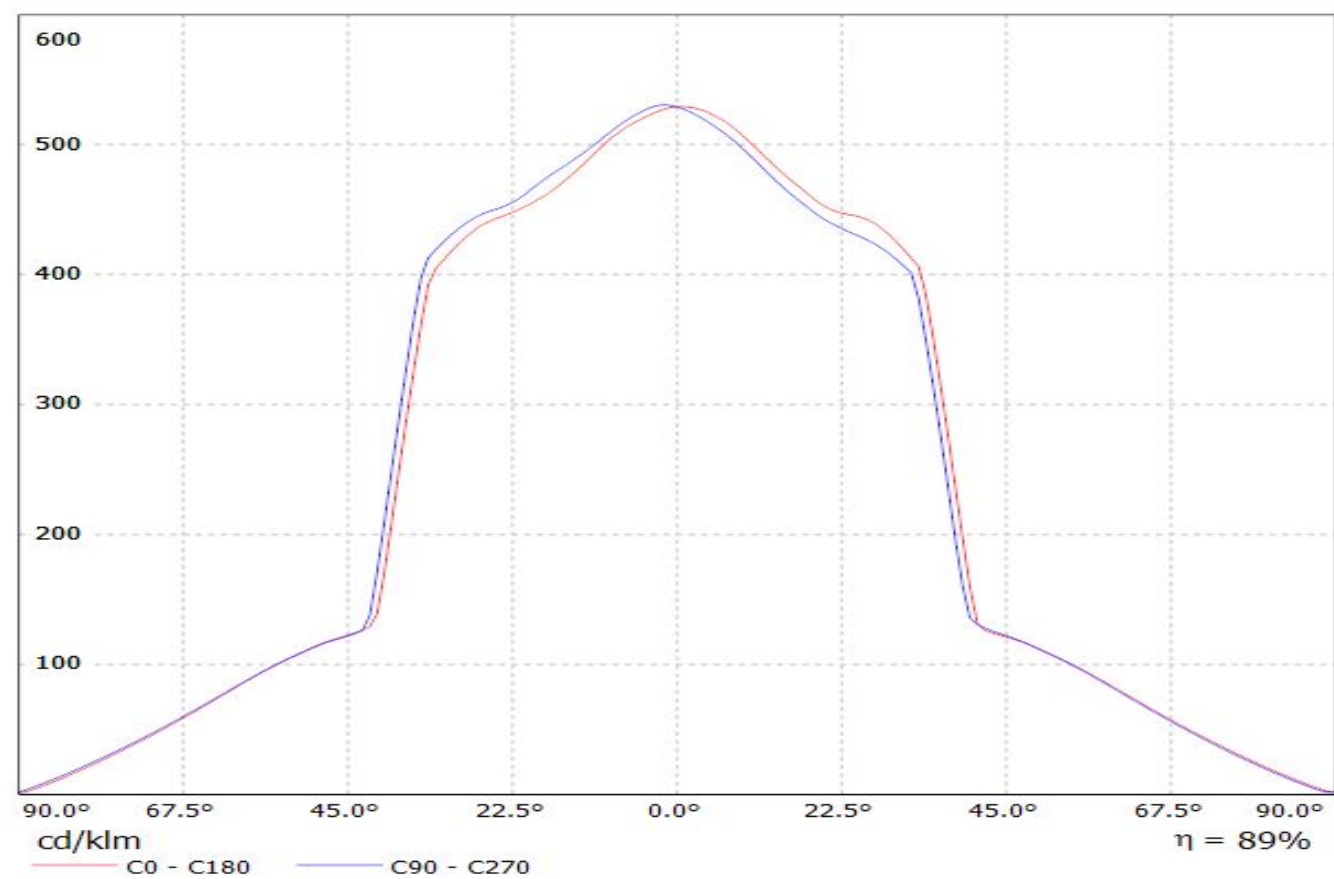
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XP-E) Eff. 89,9%
Lamps: 1 x Cree XP-E Ceramic (70lm@250mA)



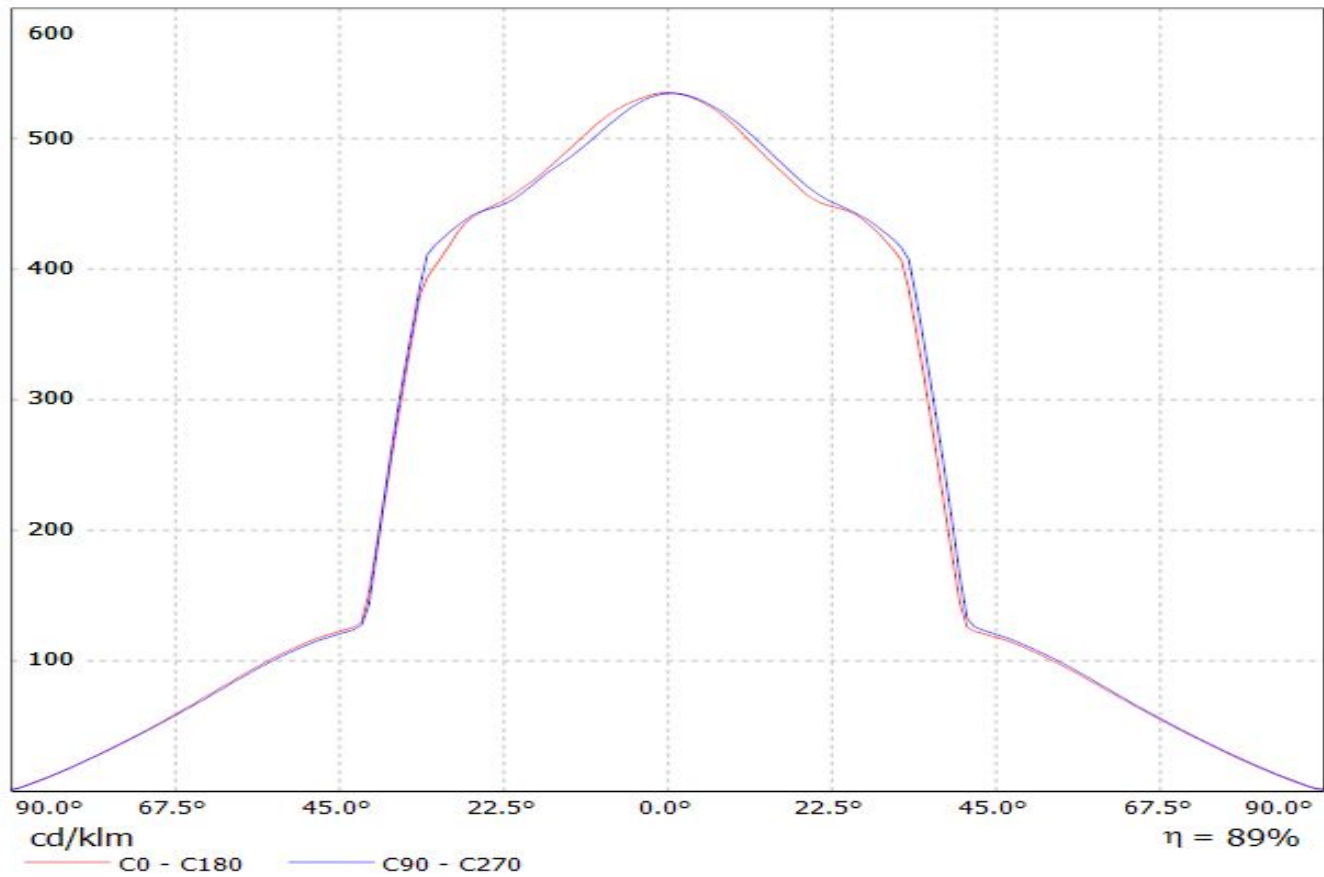
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(NVS19) Eff. 89,8%
Lamps: 1 x Nichia NVS19 (97,5lm@250mA)



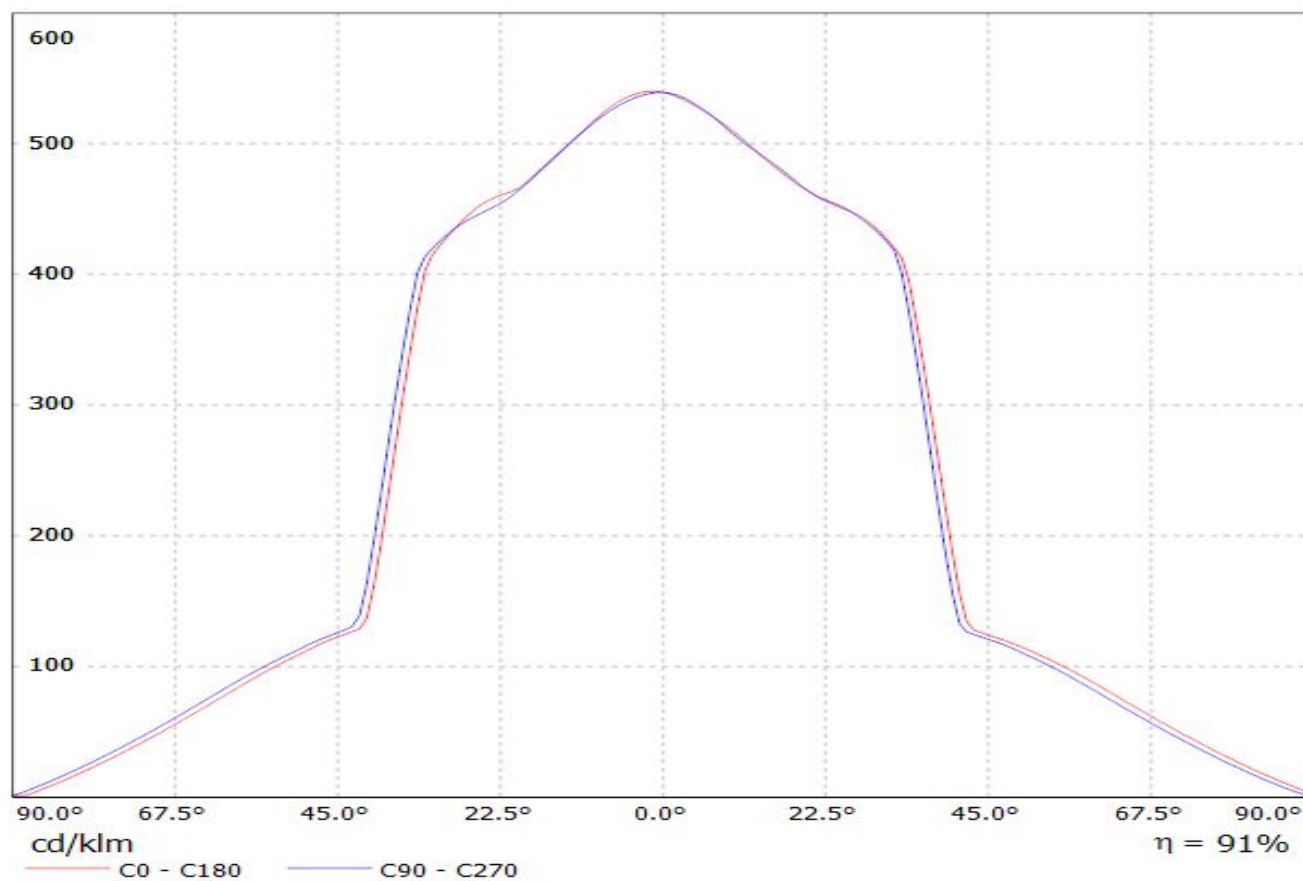
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(Cree_XP-G2) Eff. 89,1%
Lamps: 1 x Cree XP-G2 (106 lm@250mA)



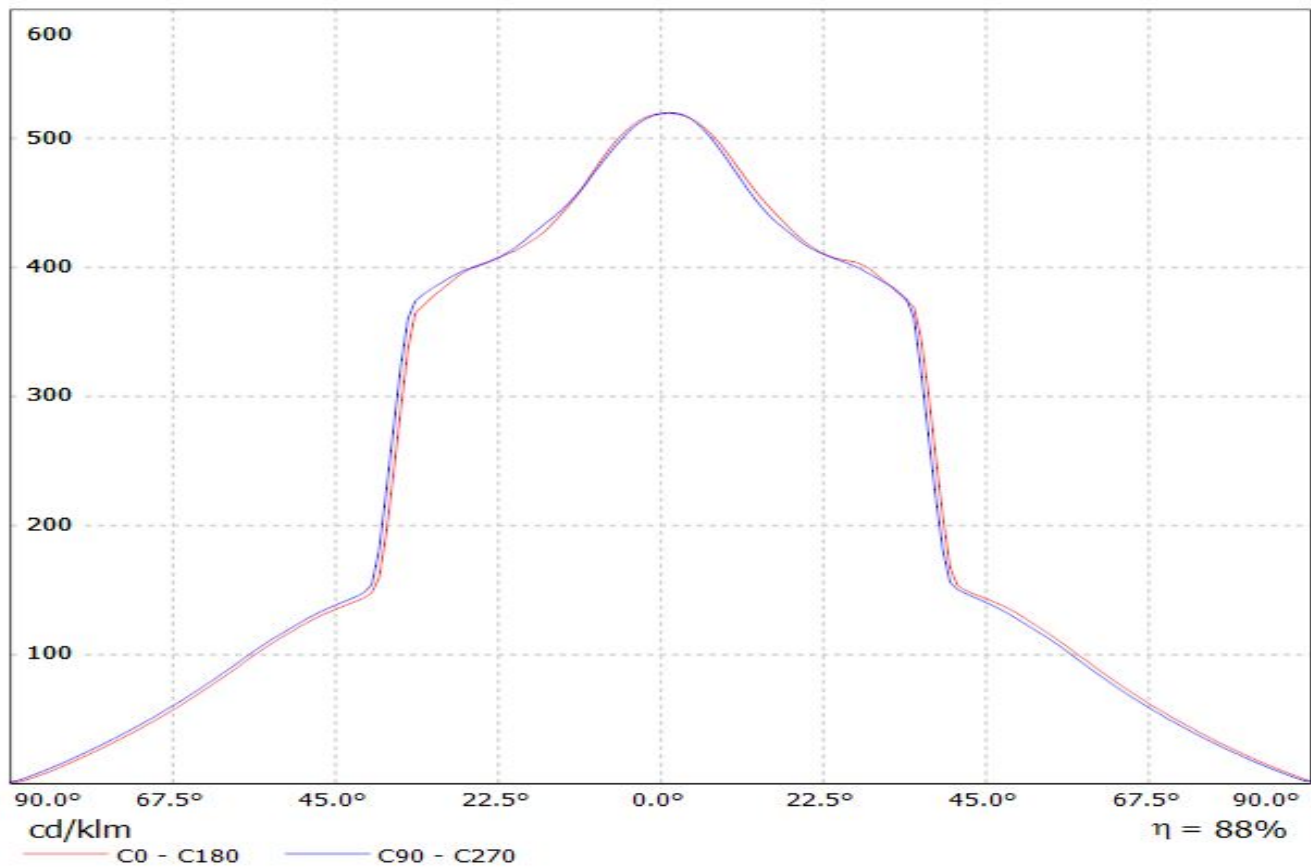
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(Luxeon_T) Eff. 88,8%
Lamps: 1 x Luxeon T (73 lm@250mA)



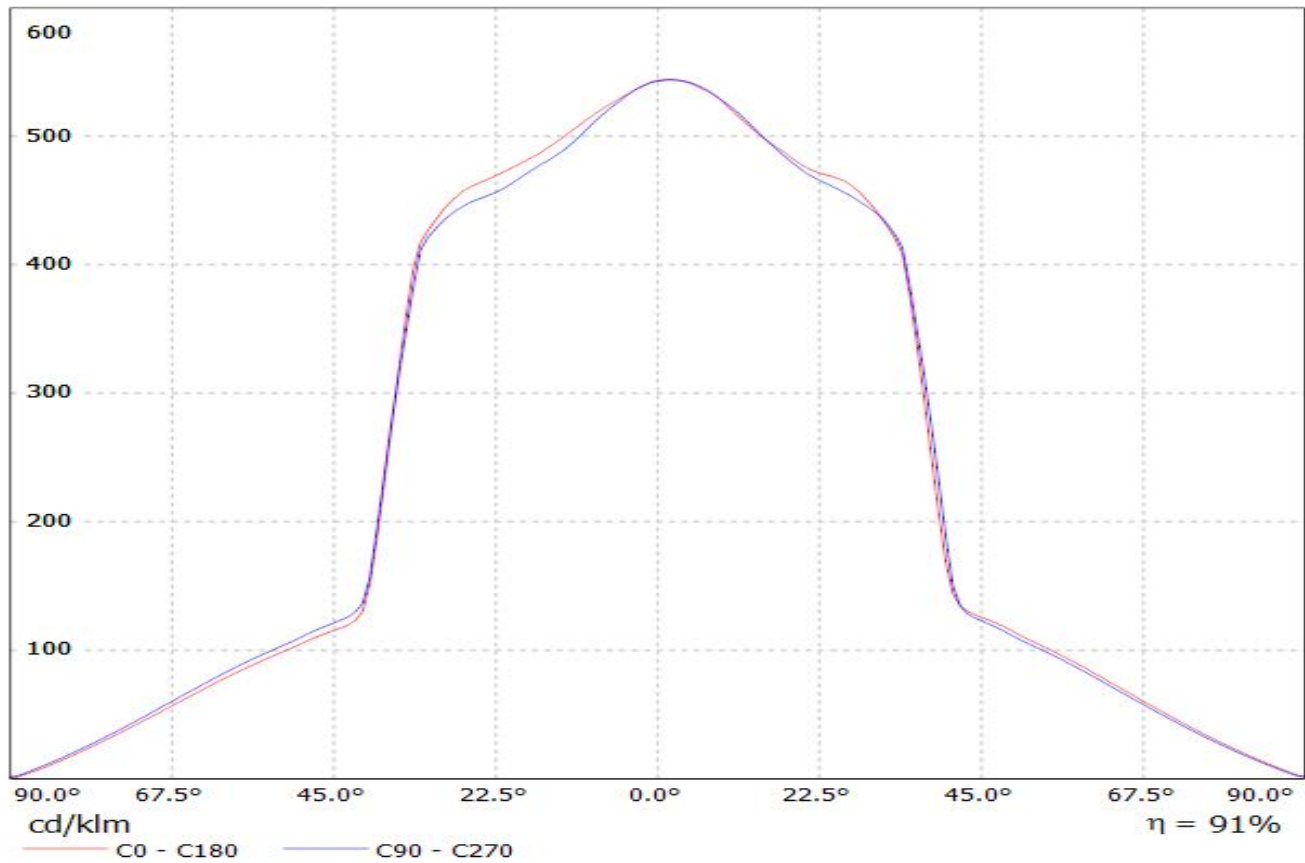
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(Luxeon_A) Eff. 90,6%
Lamps: 1 x Luxeon A (66lm@250mA)



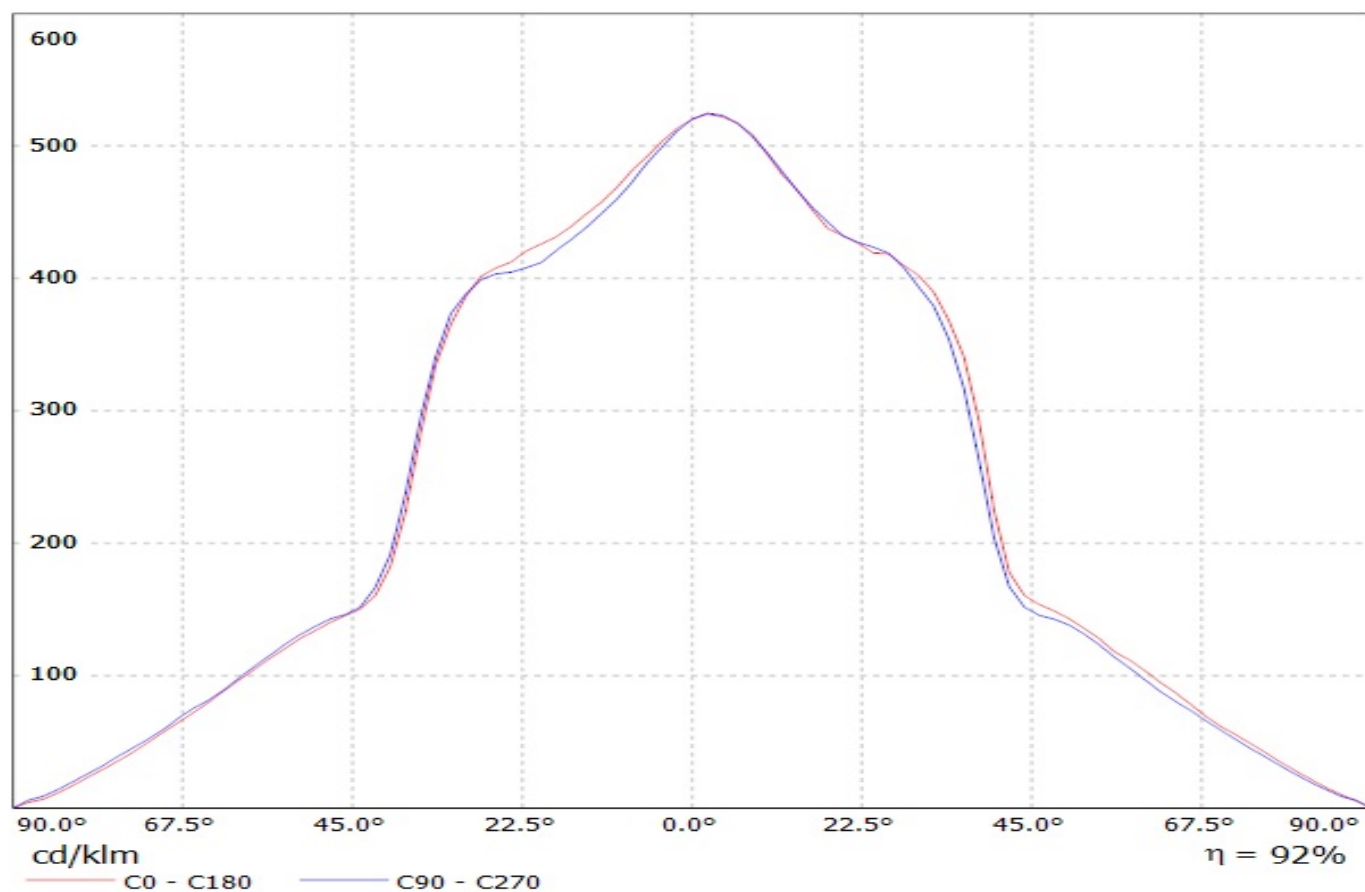
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(SSL150) Eff. 87,6%
Lamps: 1 x Osram SSL150 (87lm@250mA)



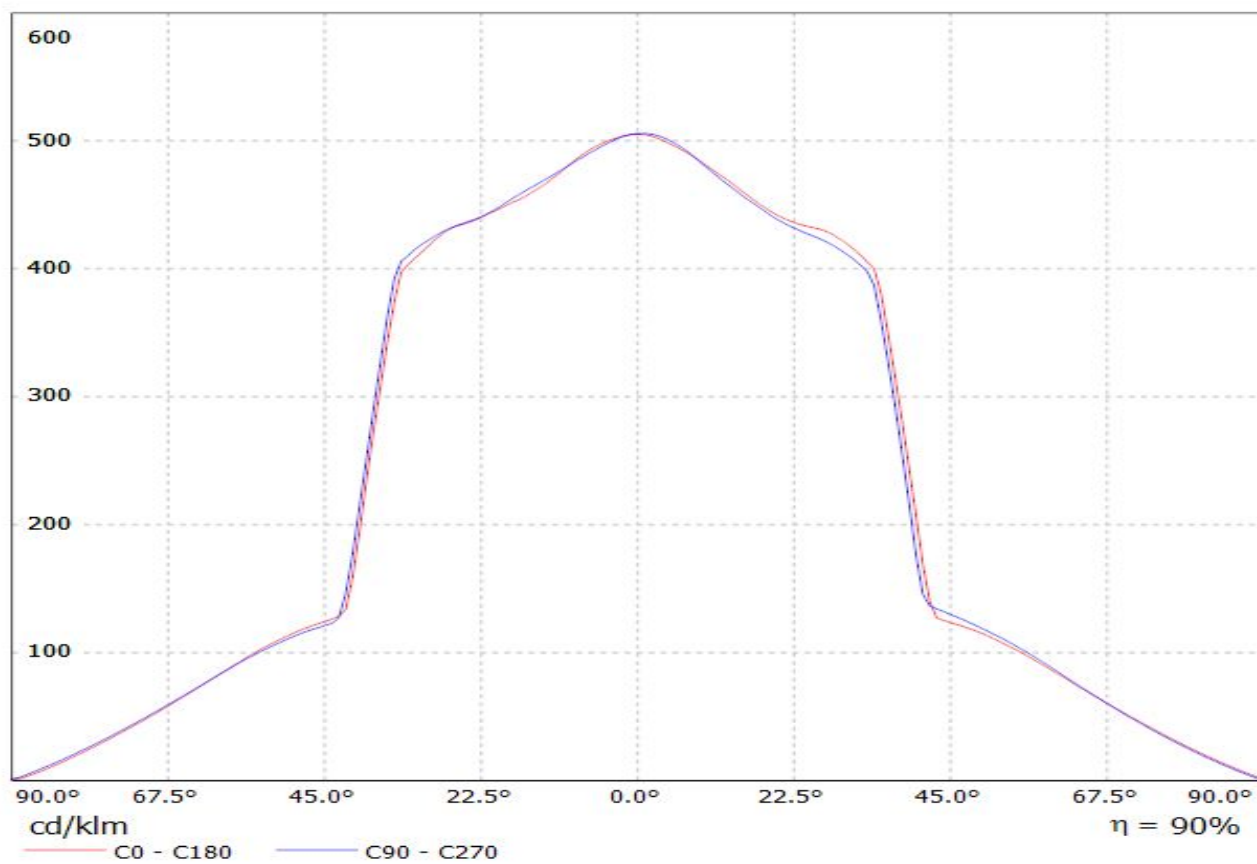
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(SQ_EC) Eff. 90,7%
Lamps: 1 x Osram Square (63,4lm@250mA)



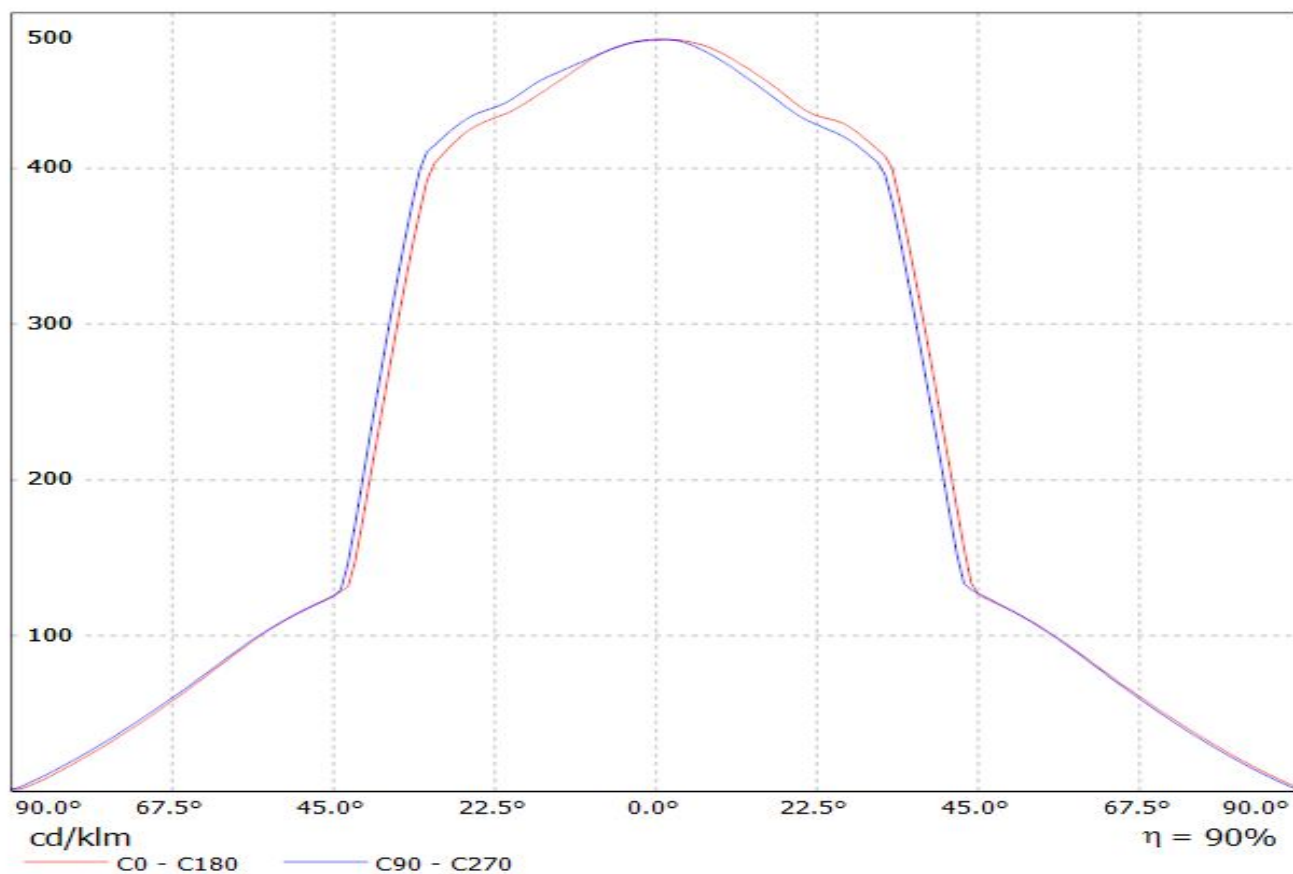
Luminaire: LEDil Oy C13253_TINA2-R-CLIP16_(DURIS_S5) Efficiency=91%
Lamps: 1 x Osram Duris S5 (GW PSLPS1.EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA



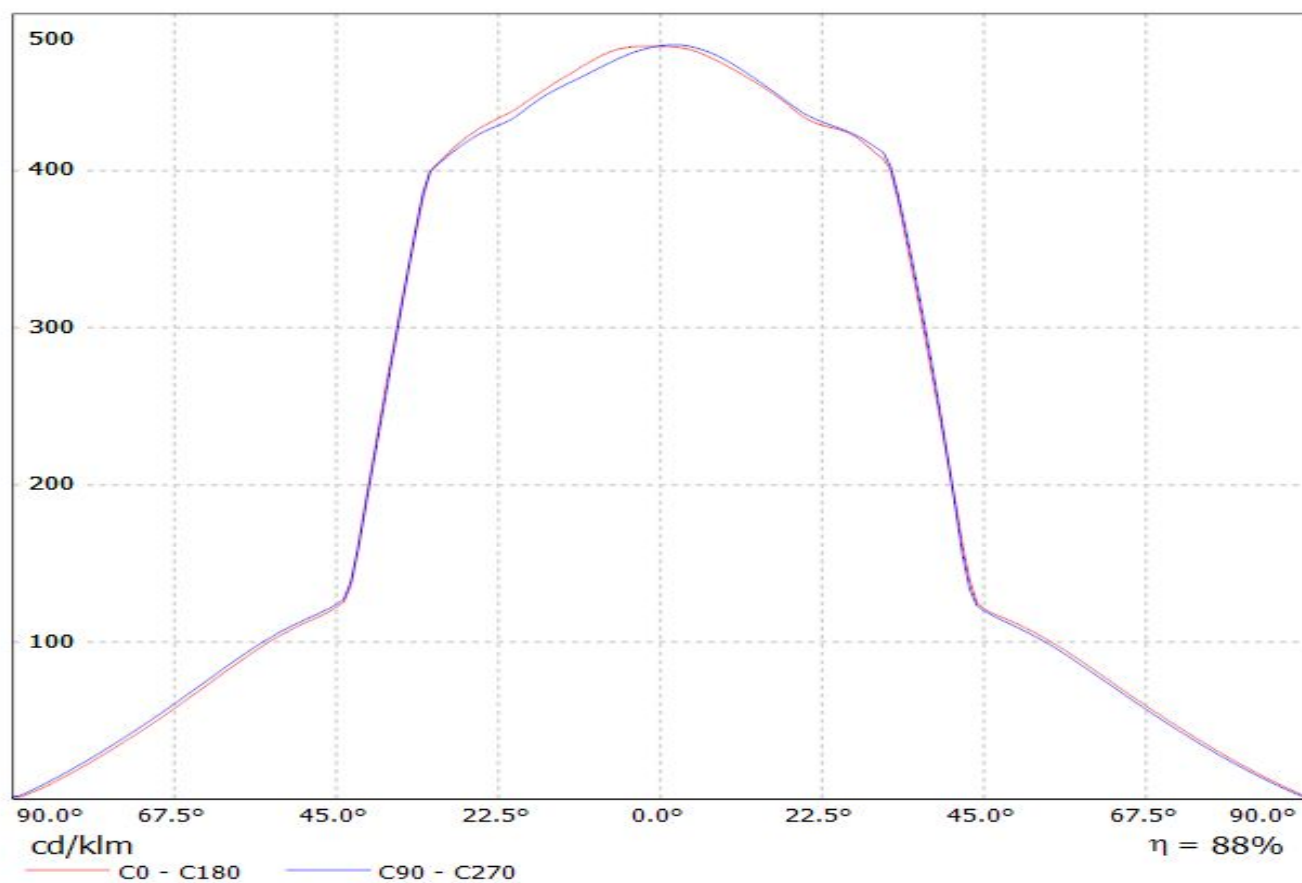
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XP-G) Eff. 90,1%
Lamps: 1 x Cree XP-G (66lm@250mA)



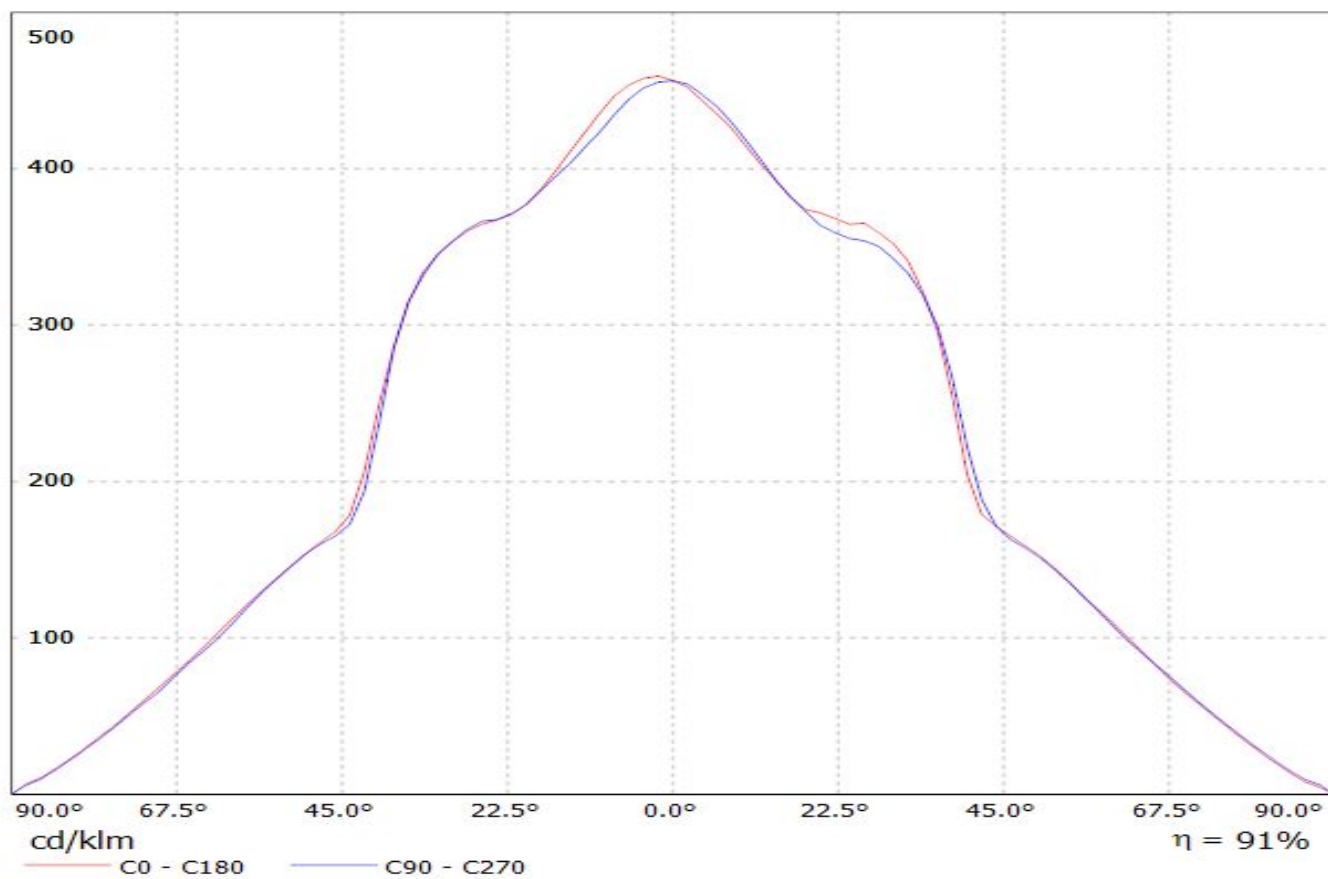
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XM-L2) Eff.89,6%
Lamps: 1 x Cree XM-L2 (99lm@250mA)



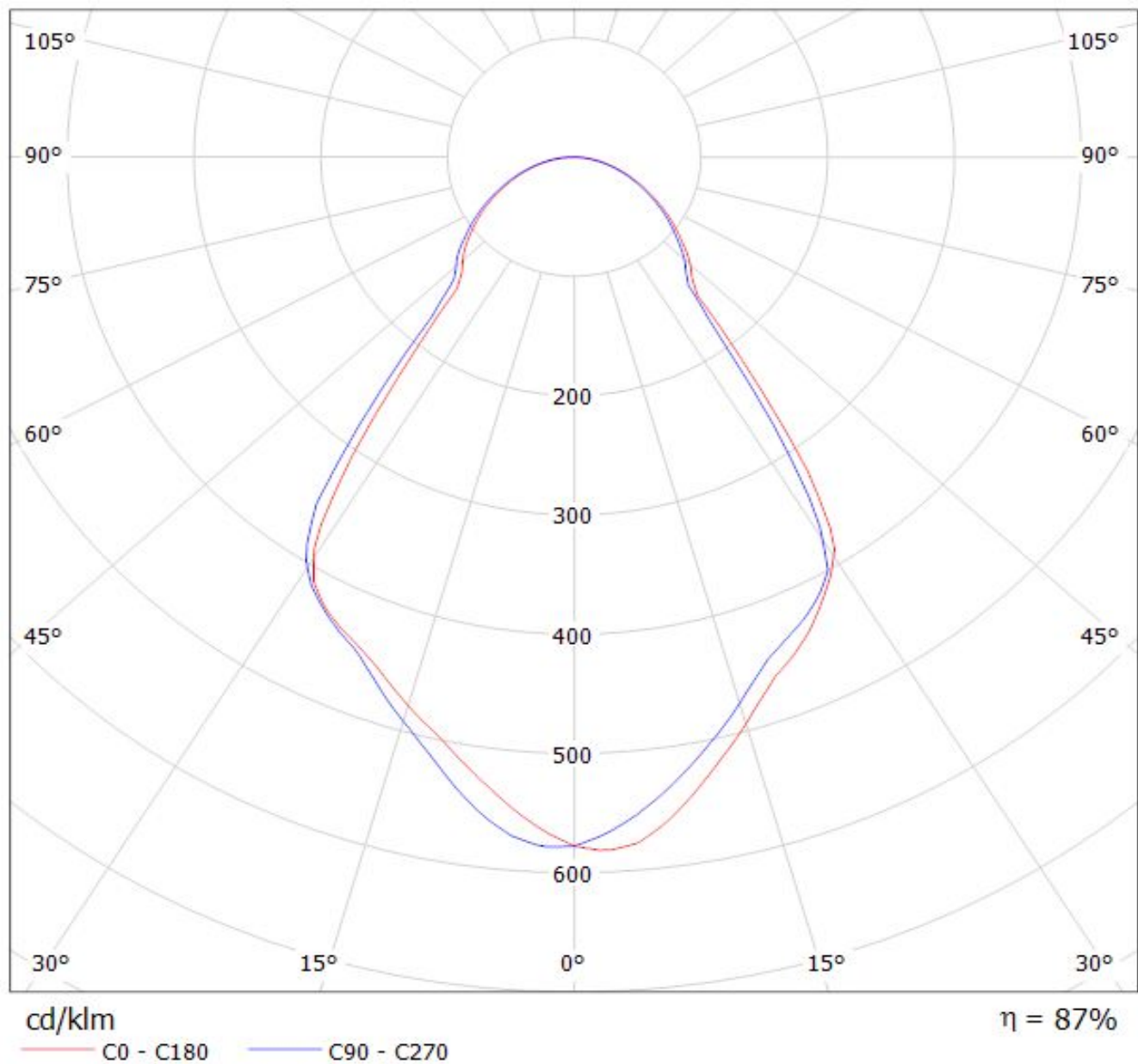
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XM-L) Eff. 88,3%
Lamps: 1 x Cree XM-L (91lm@250mA)



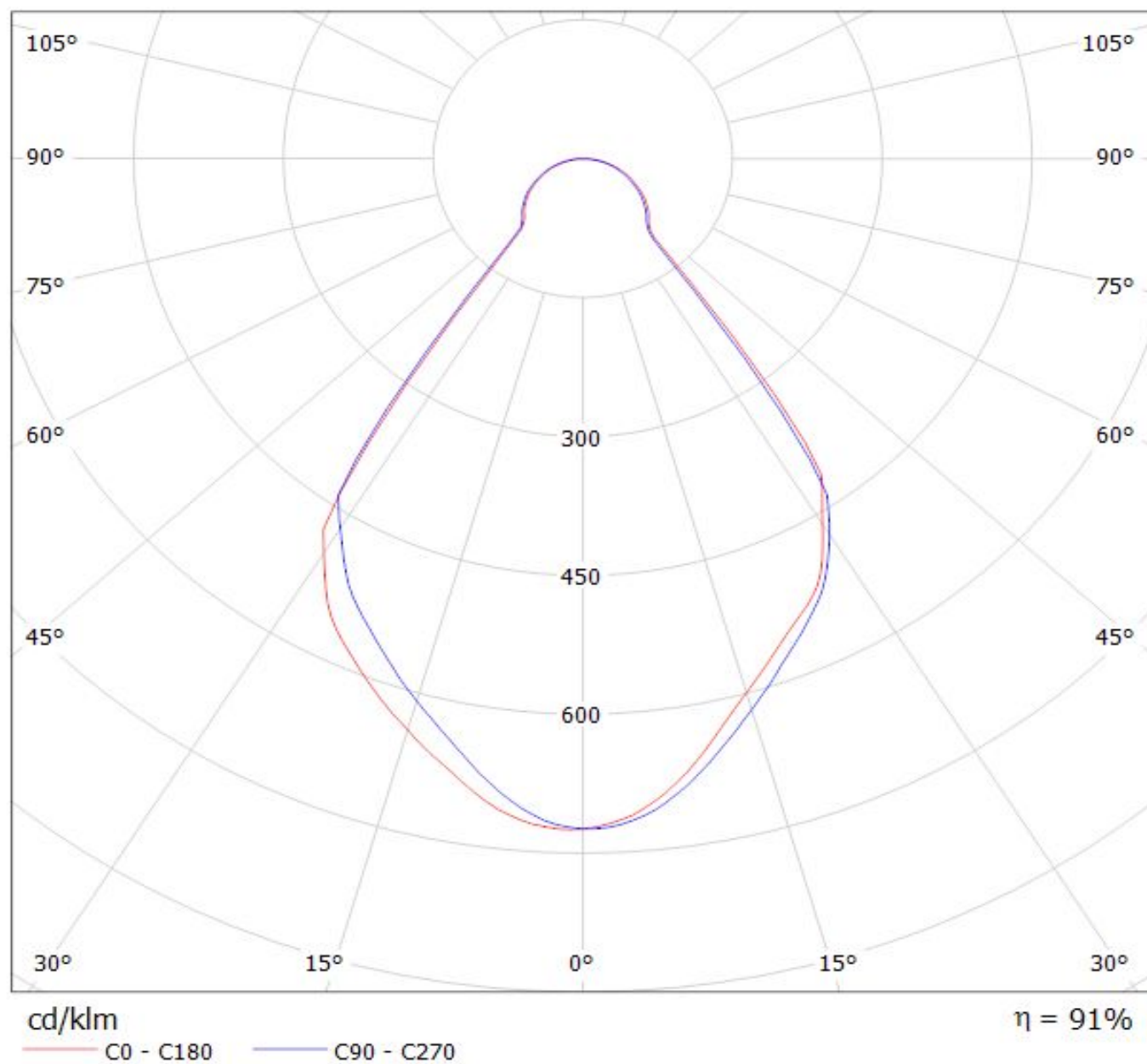
Luminaire: Ledil Oy C13253_TINA2-R-CLIP16_(Luxeon_TX) Efficiency=90%
Lamps: 1 x Luxeon TX 108lm @ 250mA CCT= P=0.73 I=250mA



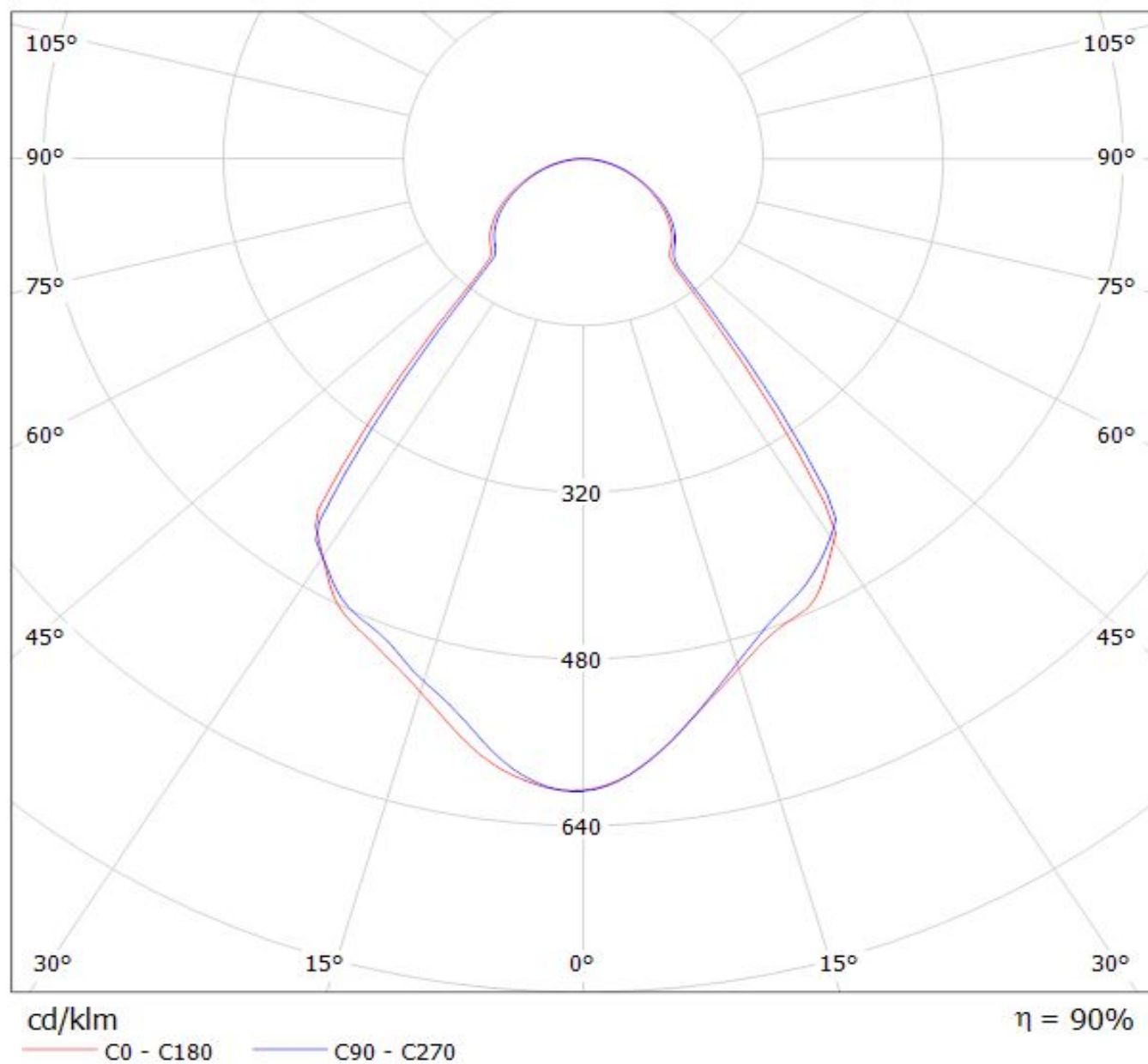
Luminaire: LEDiL Oy Luminaire Catalog Number C13253_TINA2-R-CLIP16_(XT-E) Eff, 86,5%
Lamps: 1 x Cree XT-E (102 lm@250mA)



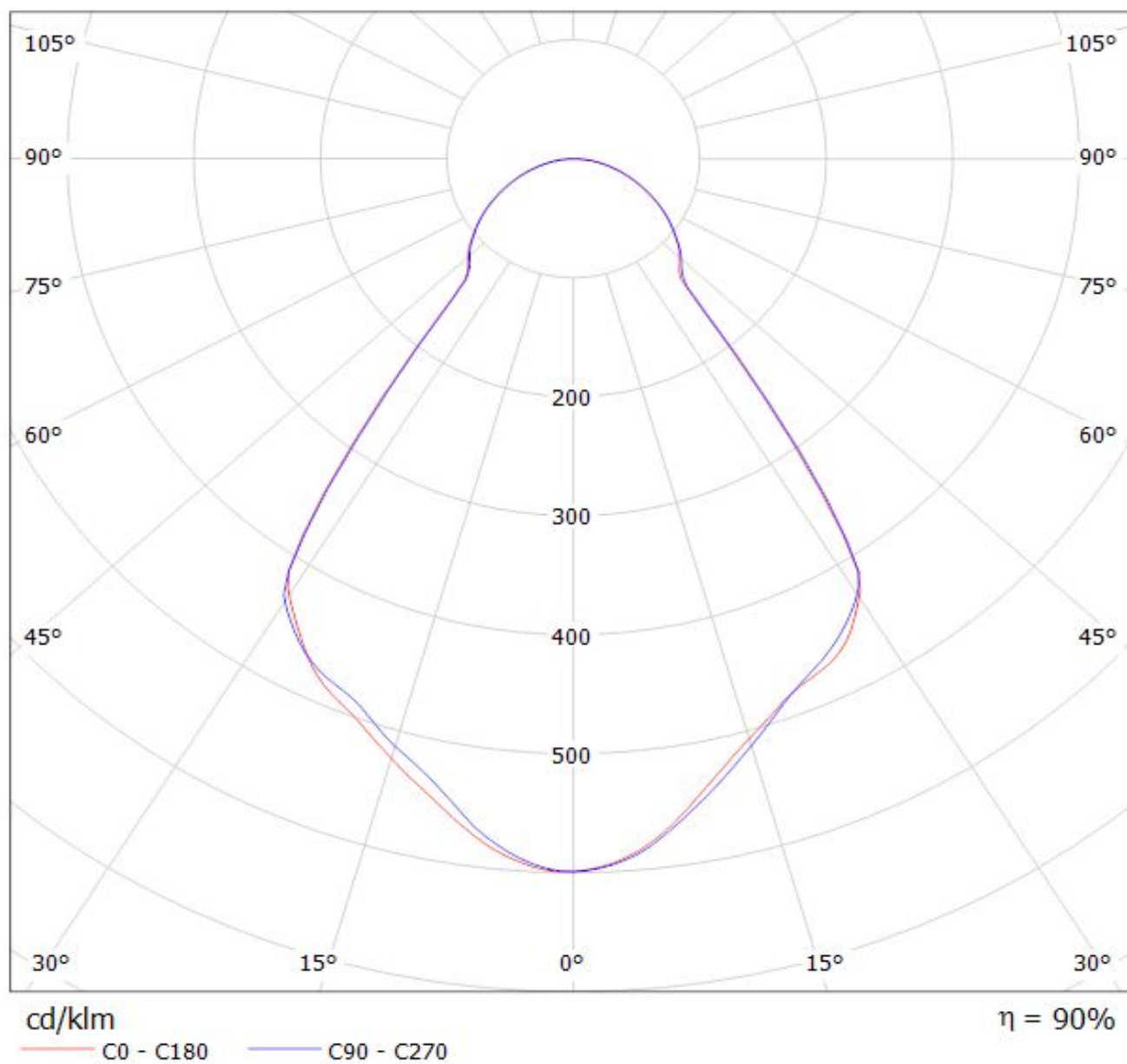
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(SSL80) Eff. 91,1%
Lamps: 1 x Osram SSL80 (81lm@250mA)



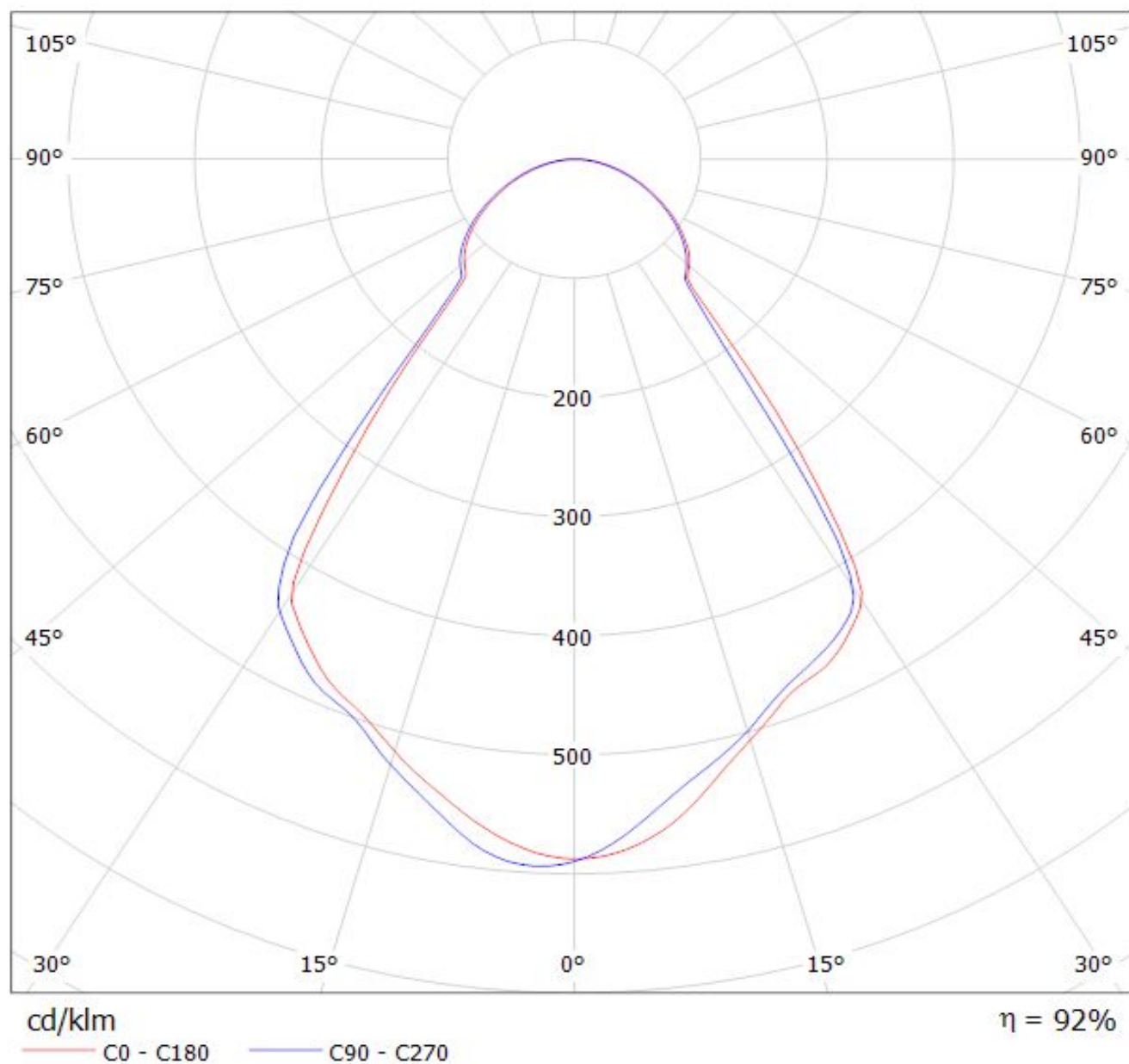
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(Luxeon_Rebel) Eff. 89,9%
Lamps: 1 x Luxeon Rebel (81lm@250mA)



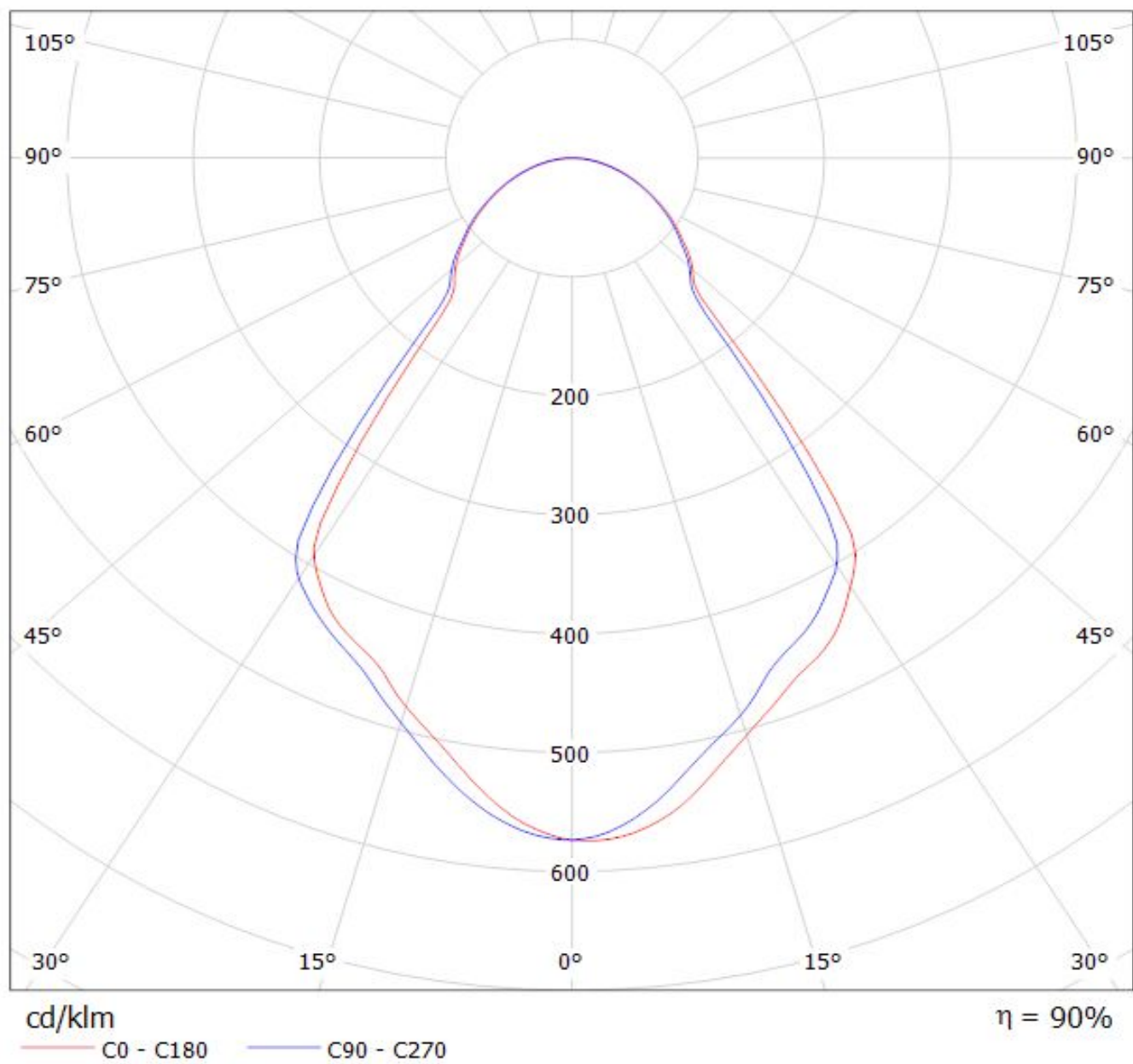
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(NCS19) Eff. 89,7%
Lamps: 1 x Nichia NCS19 (88lm@250mA)



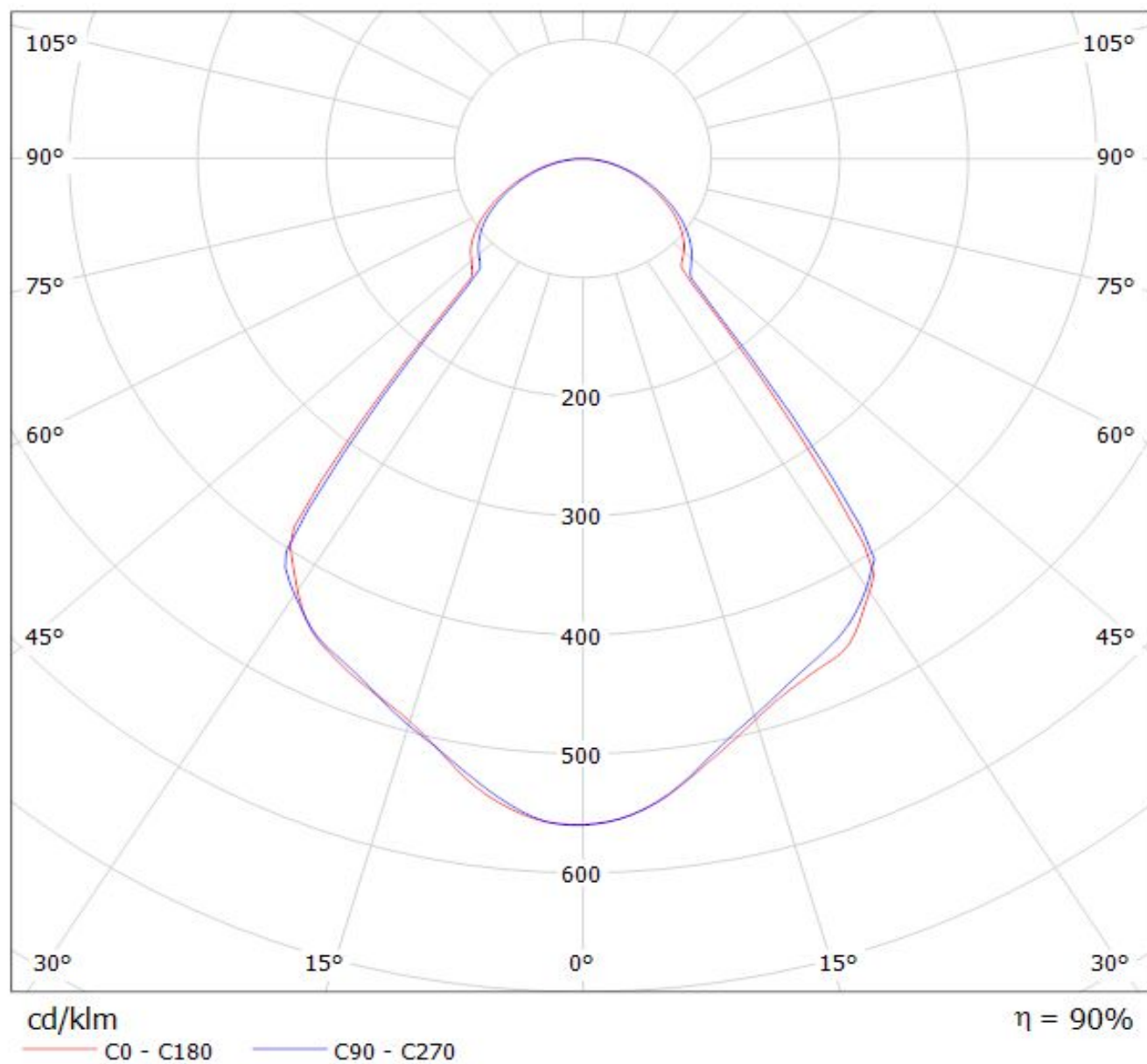
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(NF2x757) Eff. 91,7%
Lamps: 1 x Nichia NF2x757 (69lm@100mA)



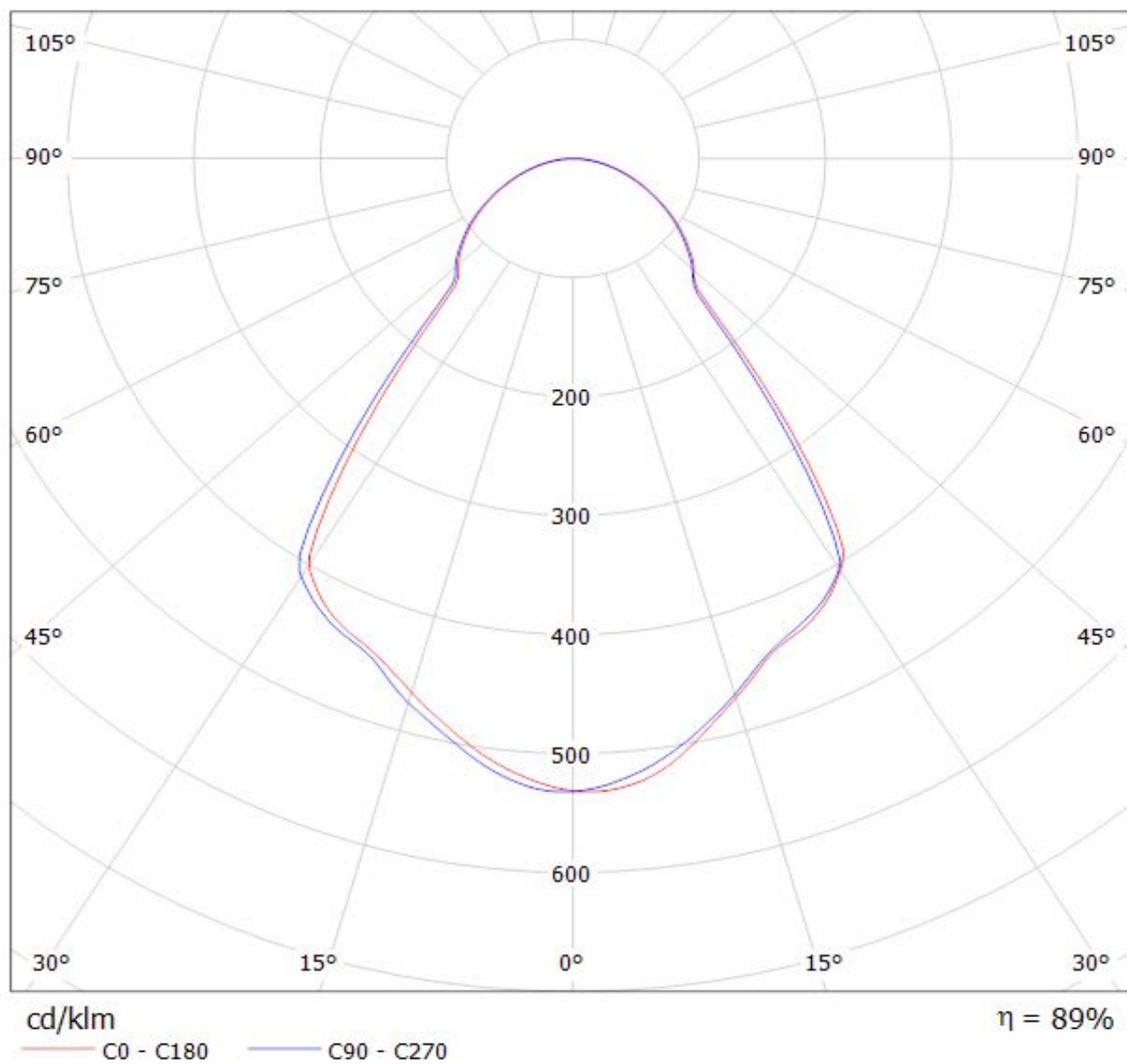
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XB-D) Eff. 89,9%
Lamps: 1 x Cree XB-D (92lm@250mA)



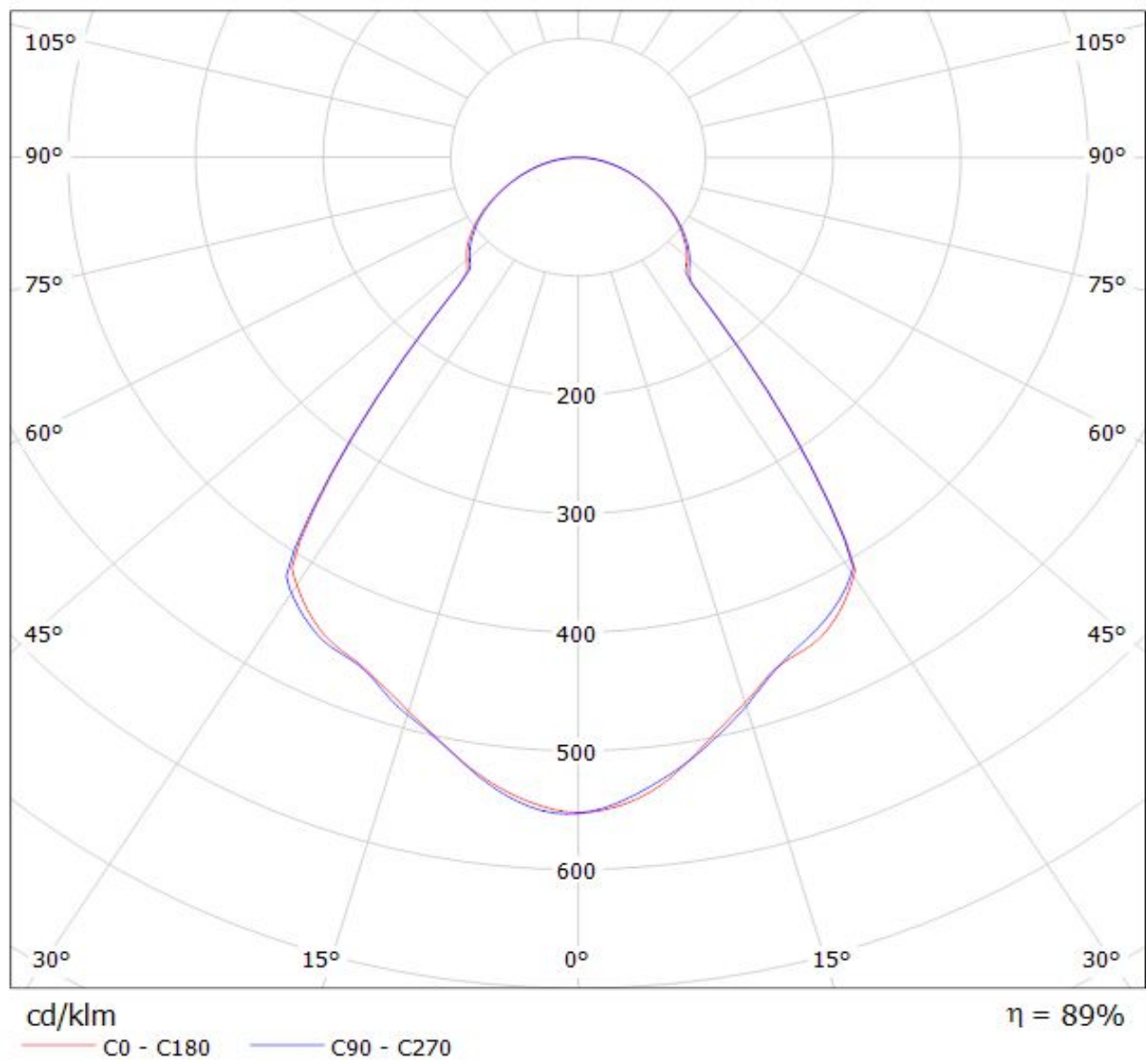
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XP-E2) Eff. 90,1%
Lamps: 1 x Cree XP-E2 (93 lm@250mA)



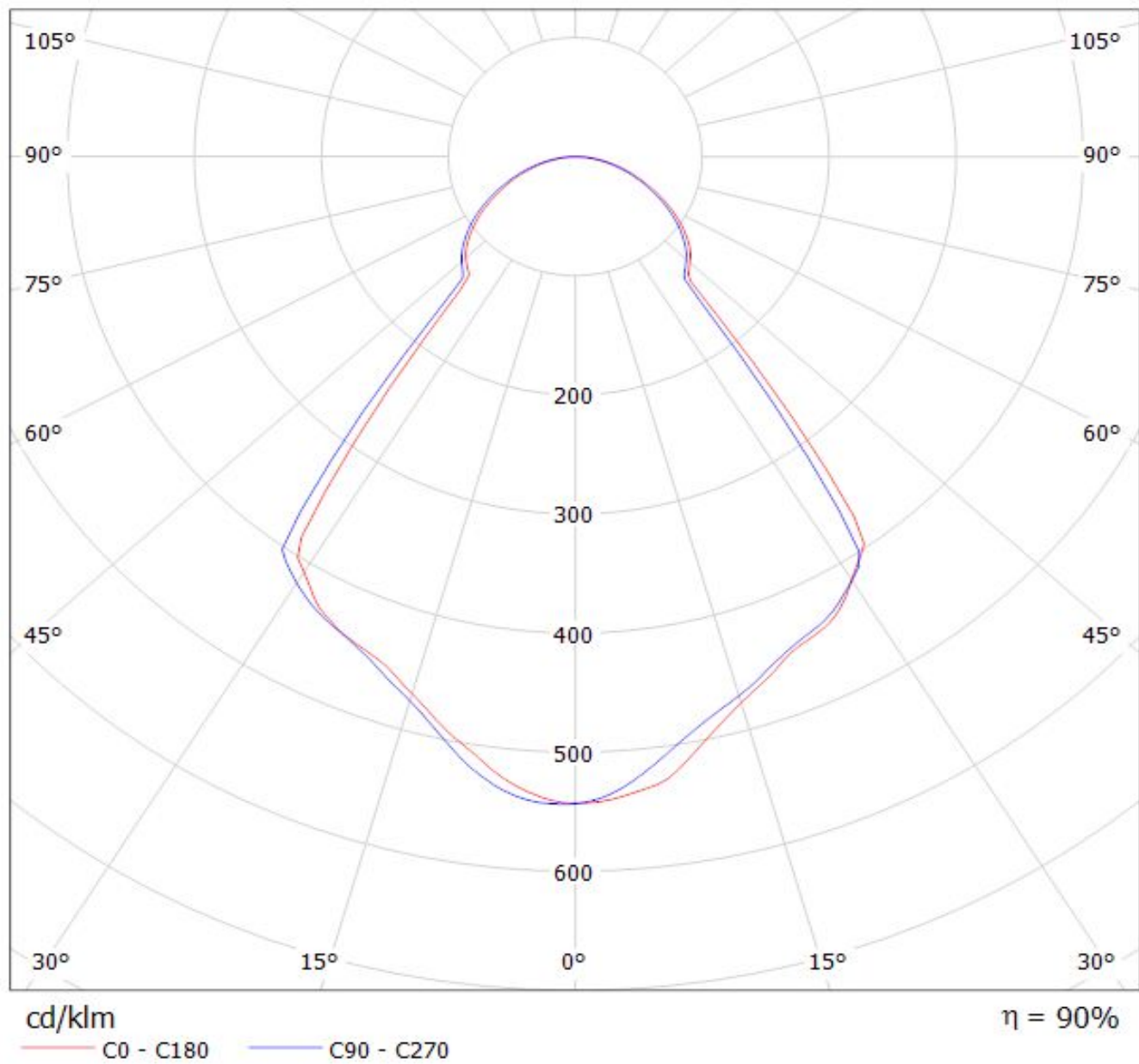
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(NVS19B) Eff. 89,4%
Lamps: 1 x Nichia NVS19B (108lm@250mA)



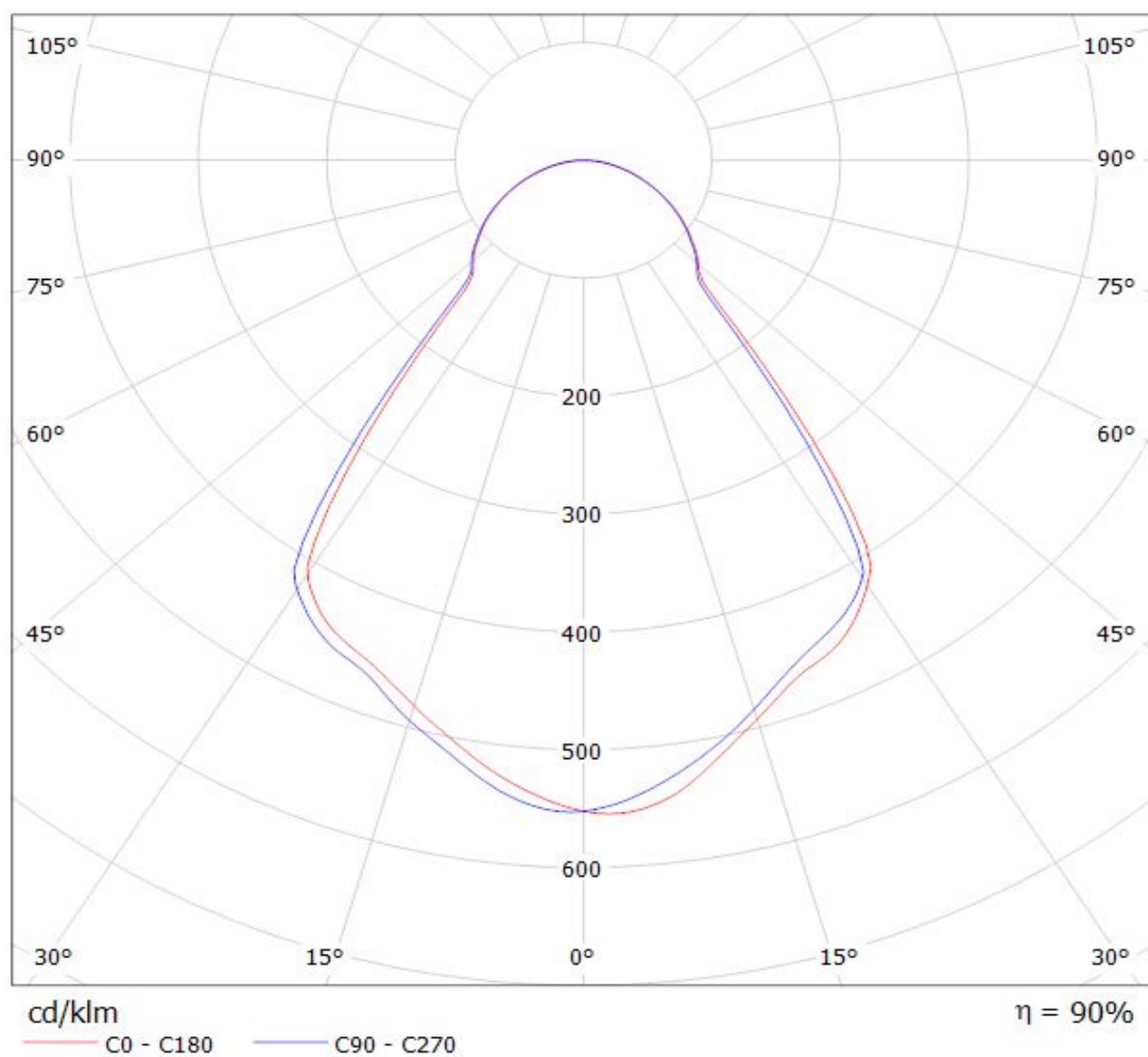
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(Luxeon_Rebel-ES) Eff. 89,3%
Lamps: 1 x Luxeon Rebel-ES (89lm@250mA)



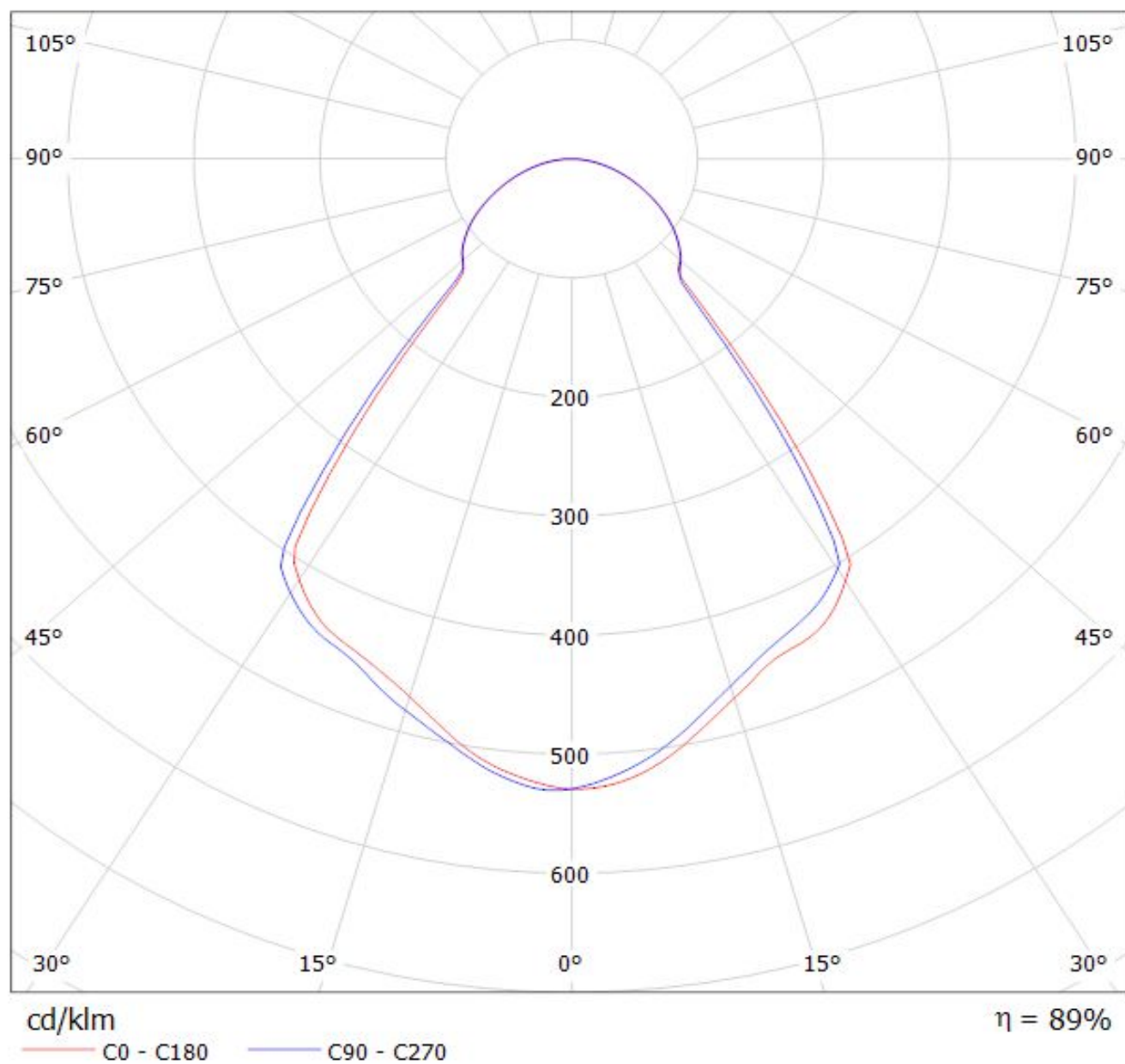
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XP-E) Eff. 89,9%
Lamps: 1 x Cree XP-E Ceramic (70lm@250mA)



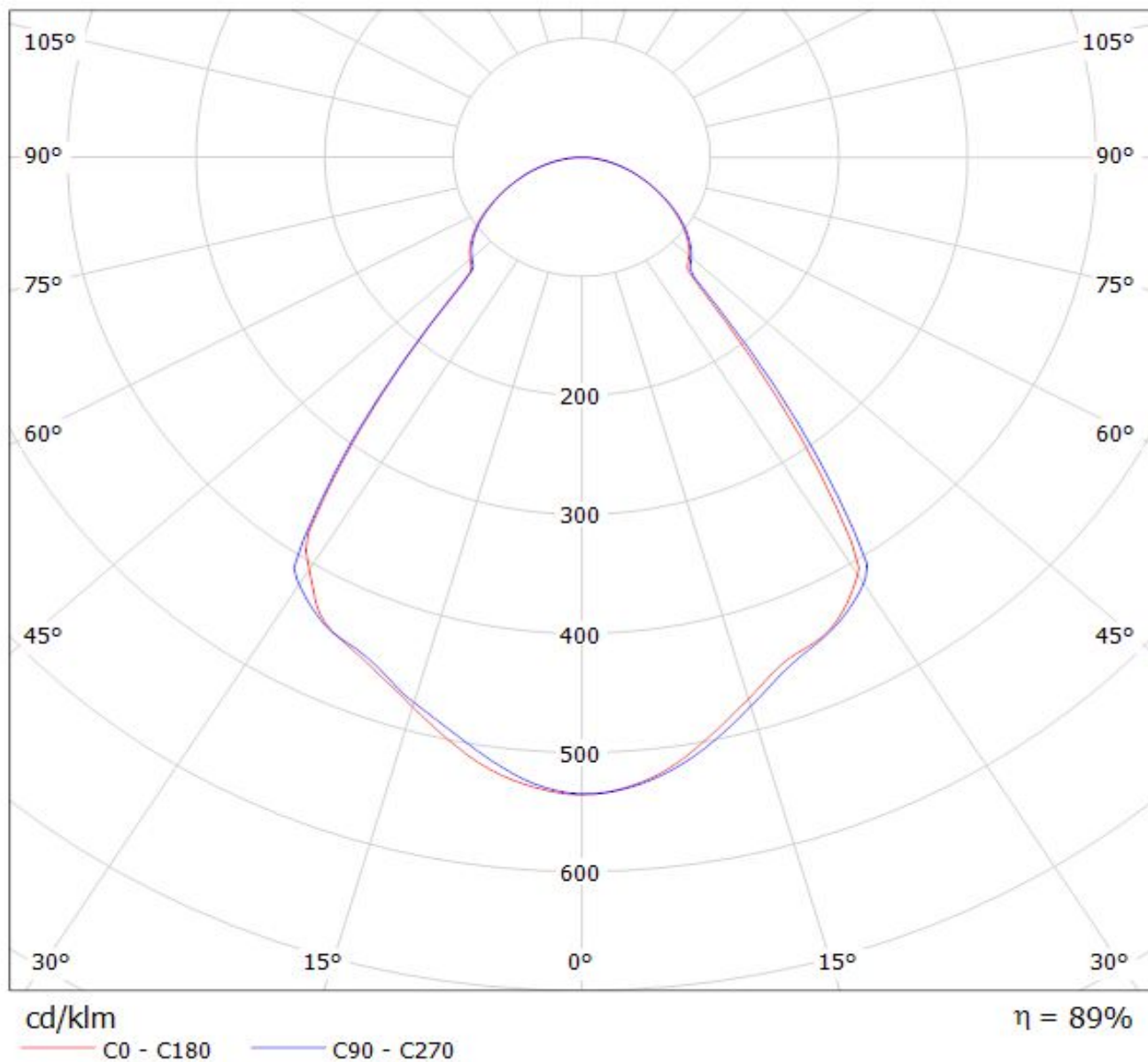
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(NVS19) Eff. 89,8%
Lamps: 1 x Nichia NVS19 (97,5lm@250mA)



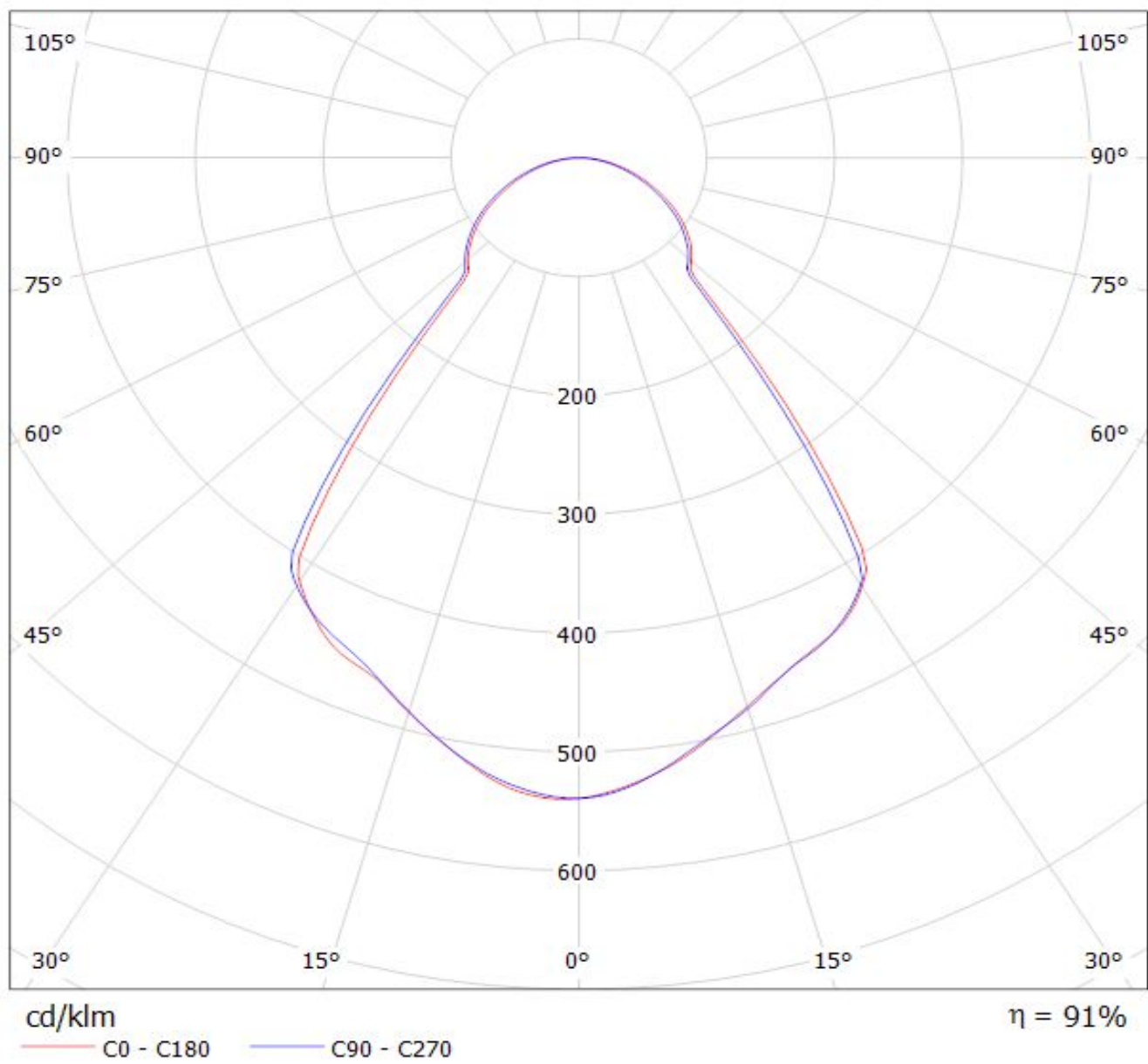
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(Cree_XP-G2) Eff. 89,1%
Lamps: 1 x Cree XP-G2 (106 lm@250mA)



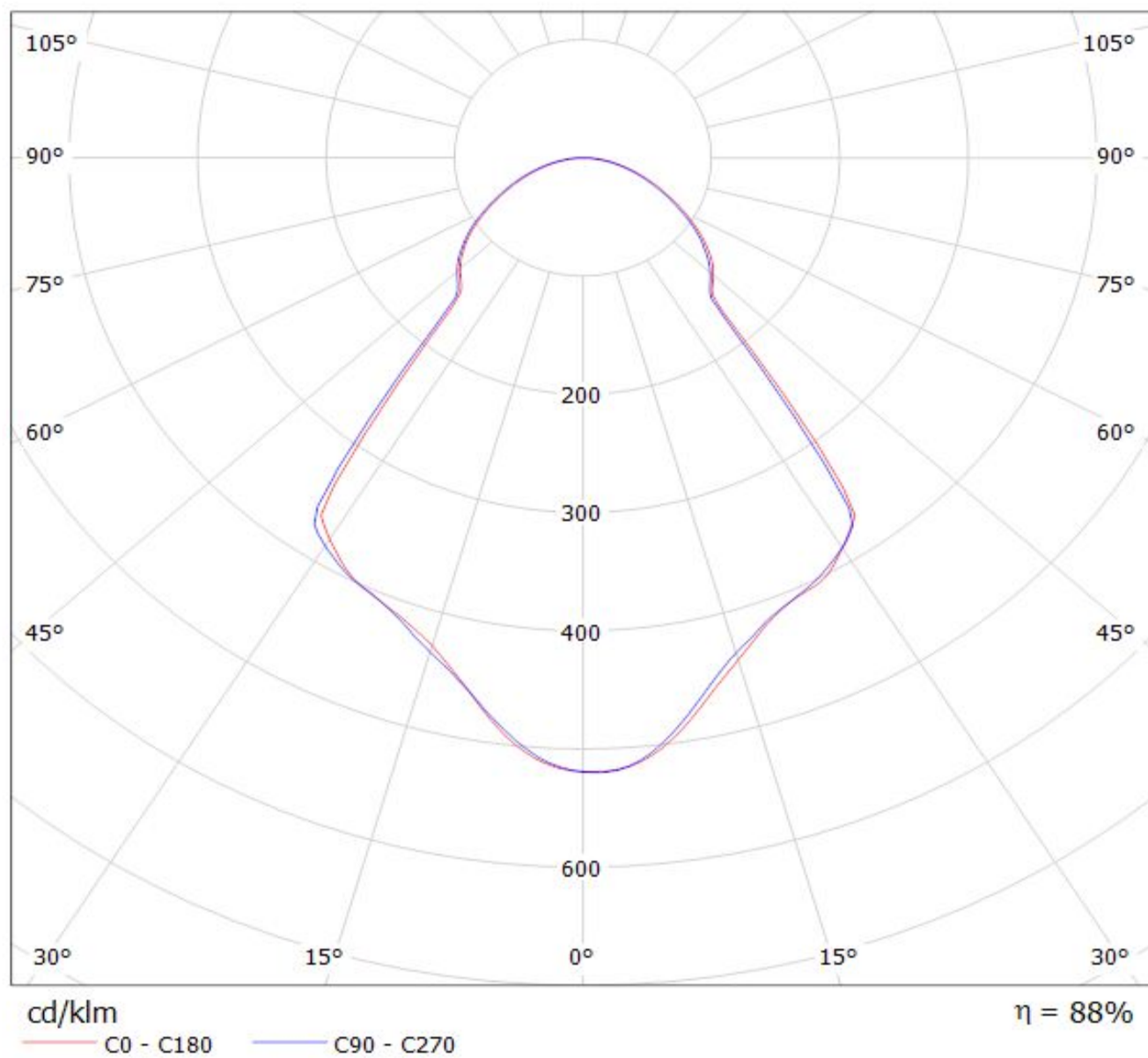
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(Luxeon_T) Eff. 88,8%
Lamps: 1 x Luxeon T (73 lm@250mA)



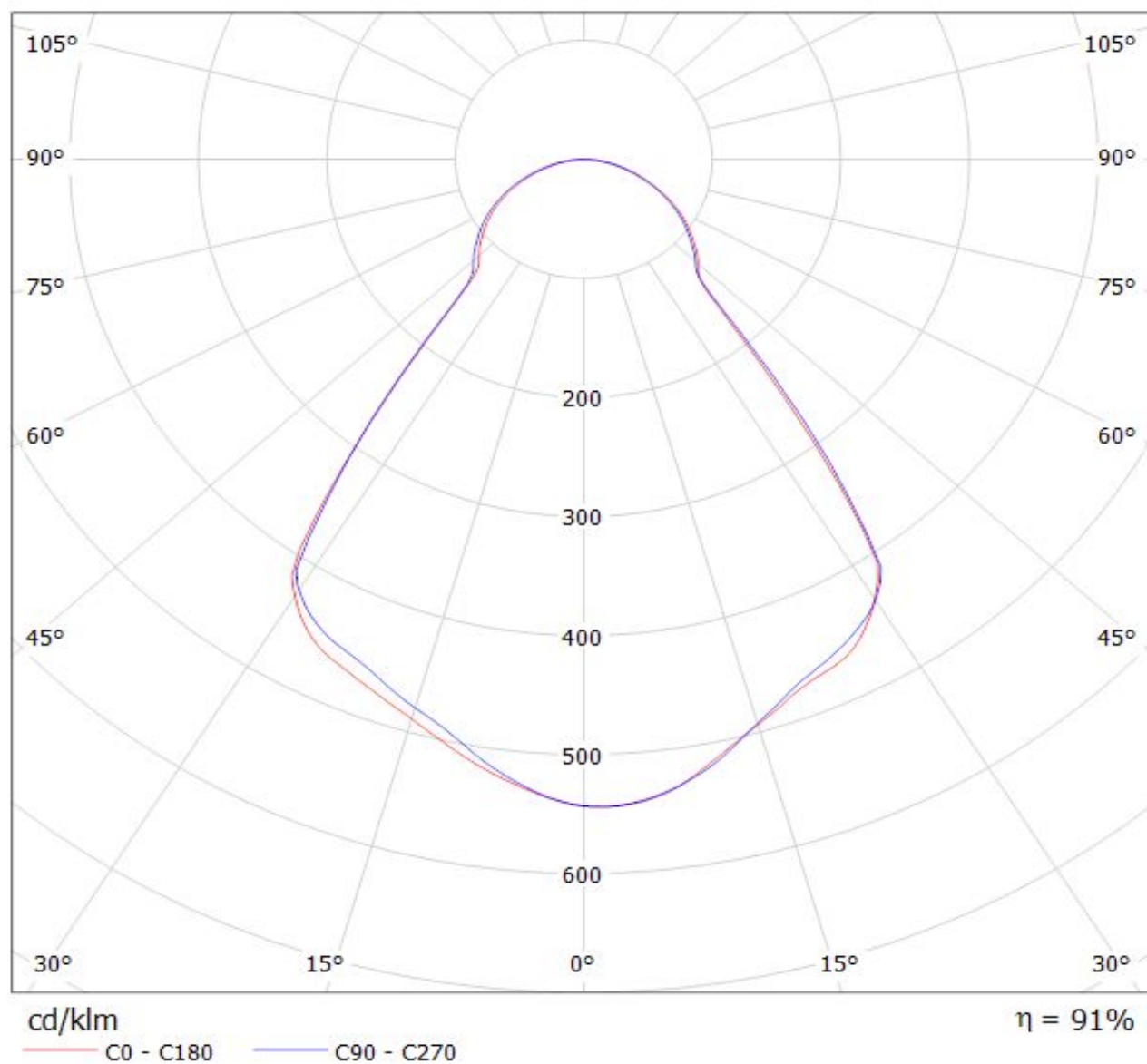
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(Luxeon_A) Eff. 90,6%
Lamps: 1 x Luxeon A (66lm@250mA)



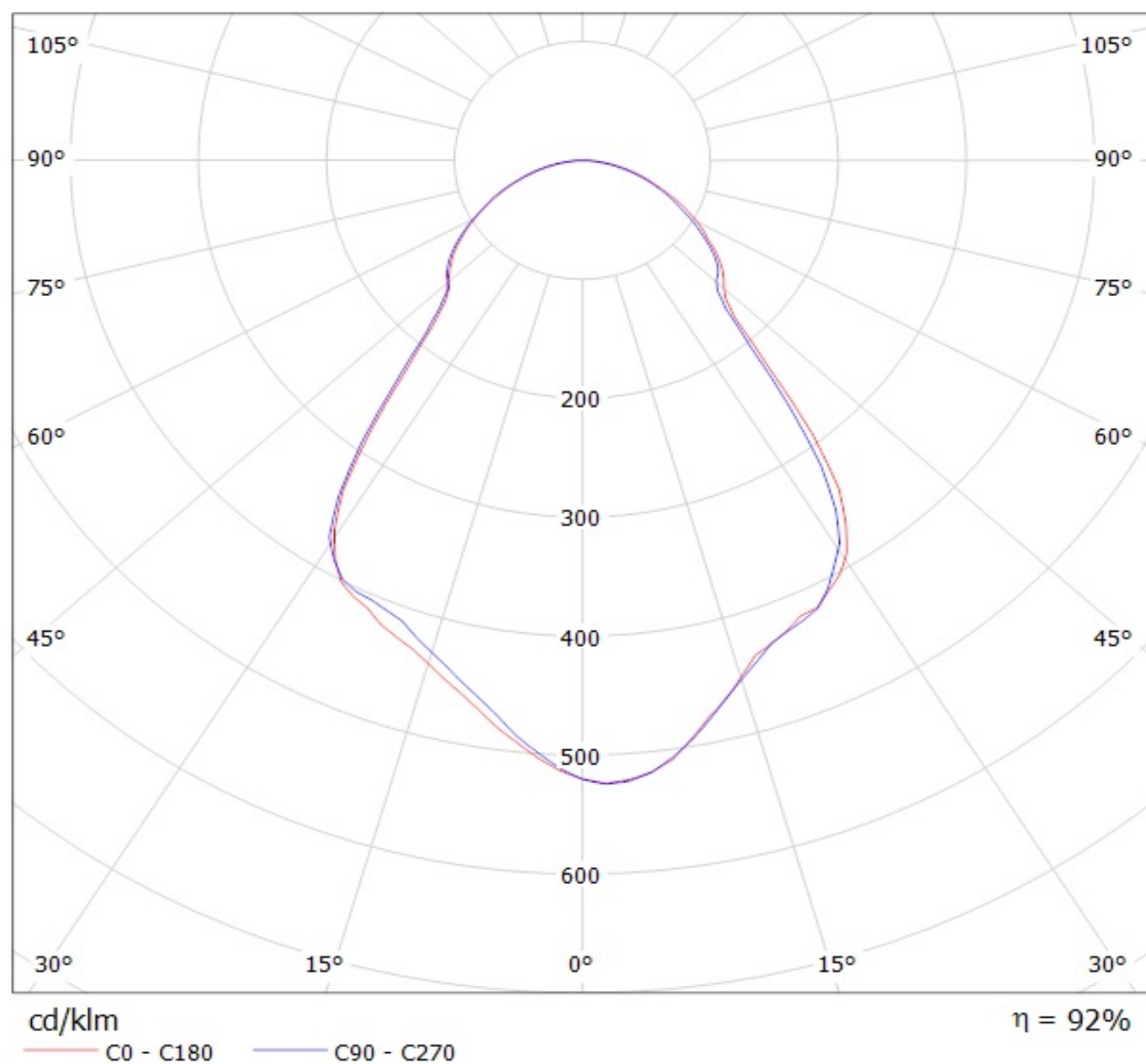
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(SSL150) Eff. 87,6%
Lamps: 1 x Osram SSL150 (87lm@250mA)



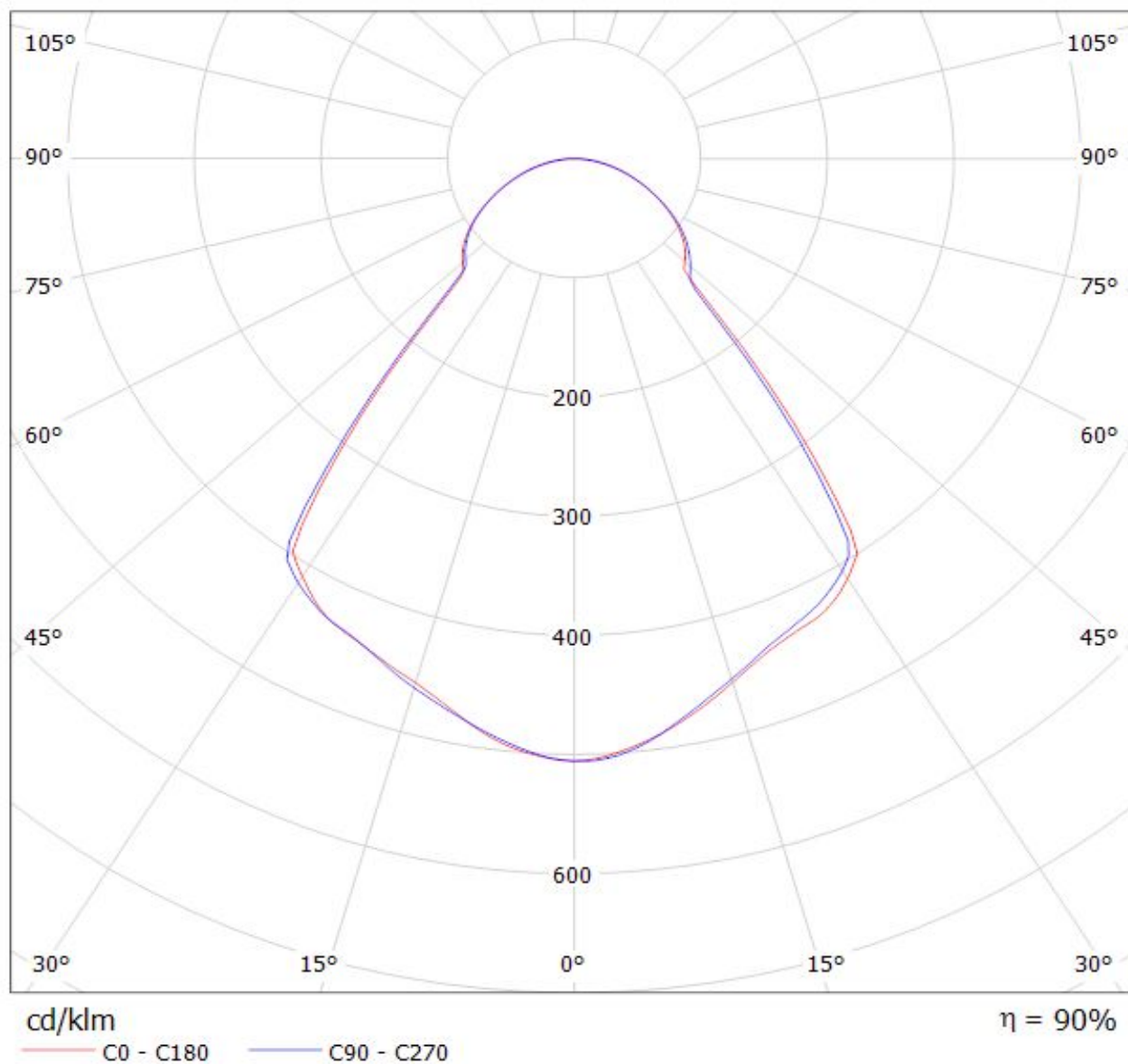
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(SQ_EC) Eff. 90,7%
Lamps: 1 x Osram Square (63,4lm@250mA)



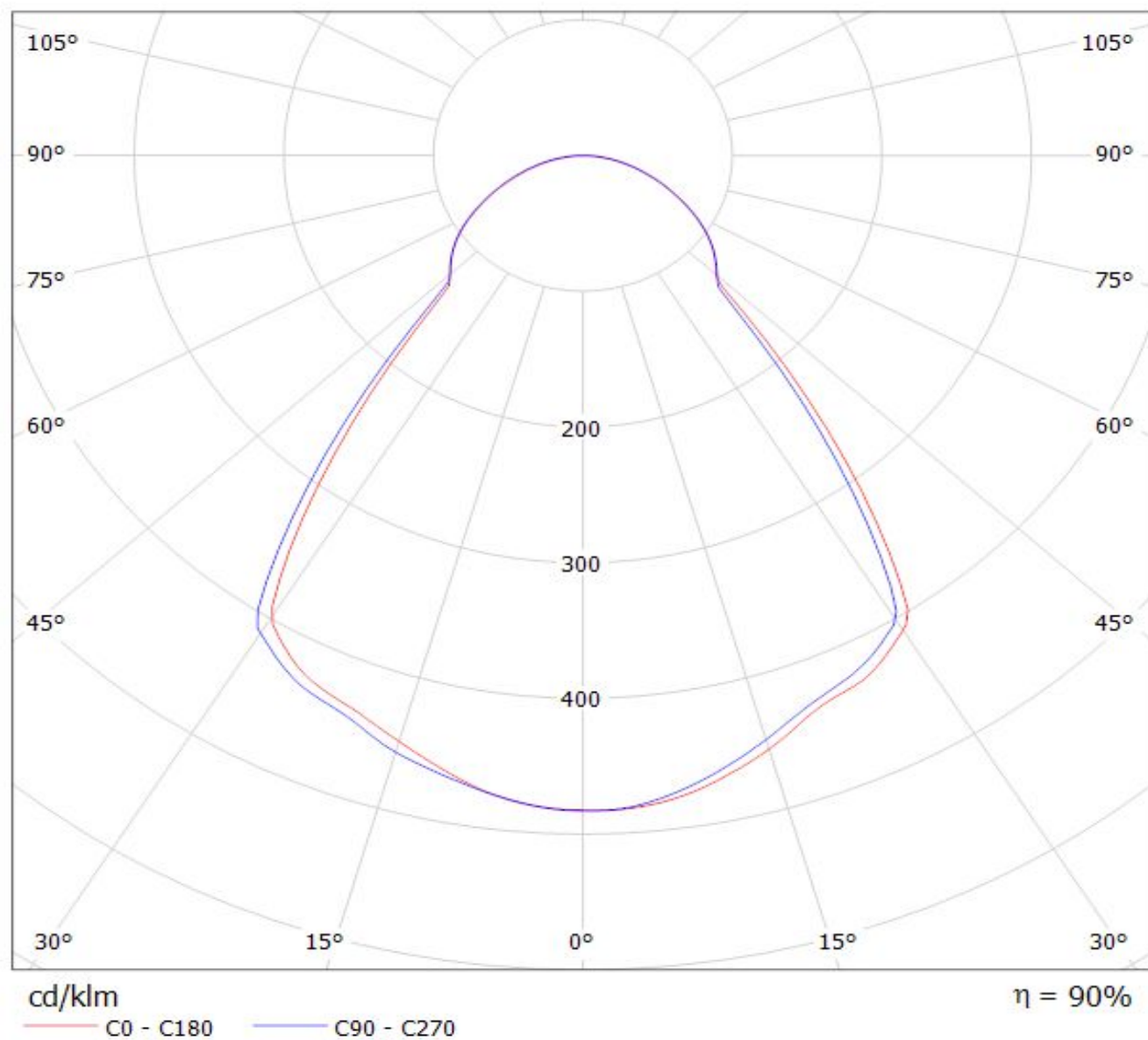
Luminaire: LEDil Oy C13253_TINA2-R-CLIP16_(DURIS_S5) Efficiency=91%
Lamps: 1 x Osram Duris S5 (GW PSLPS1.EC) 102lm @ 150mA CCT=6300K P=1.0W I=150mA



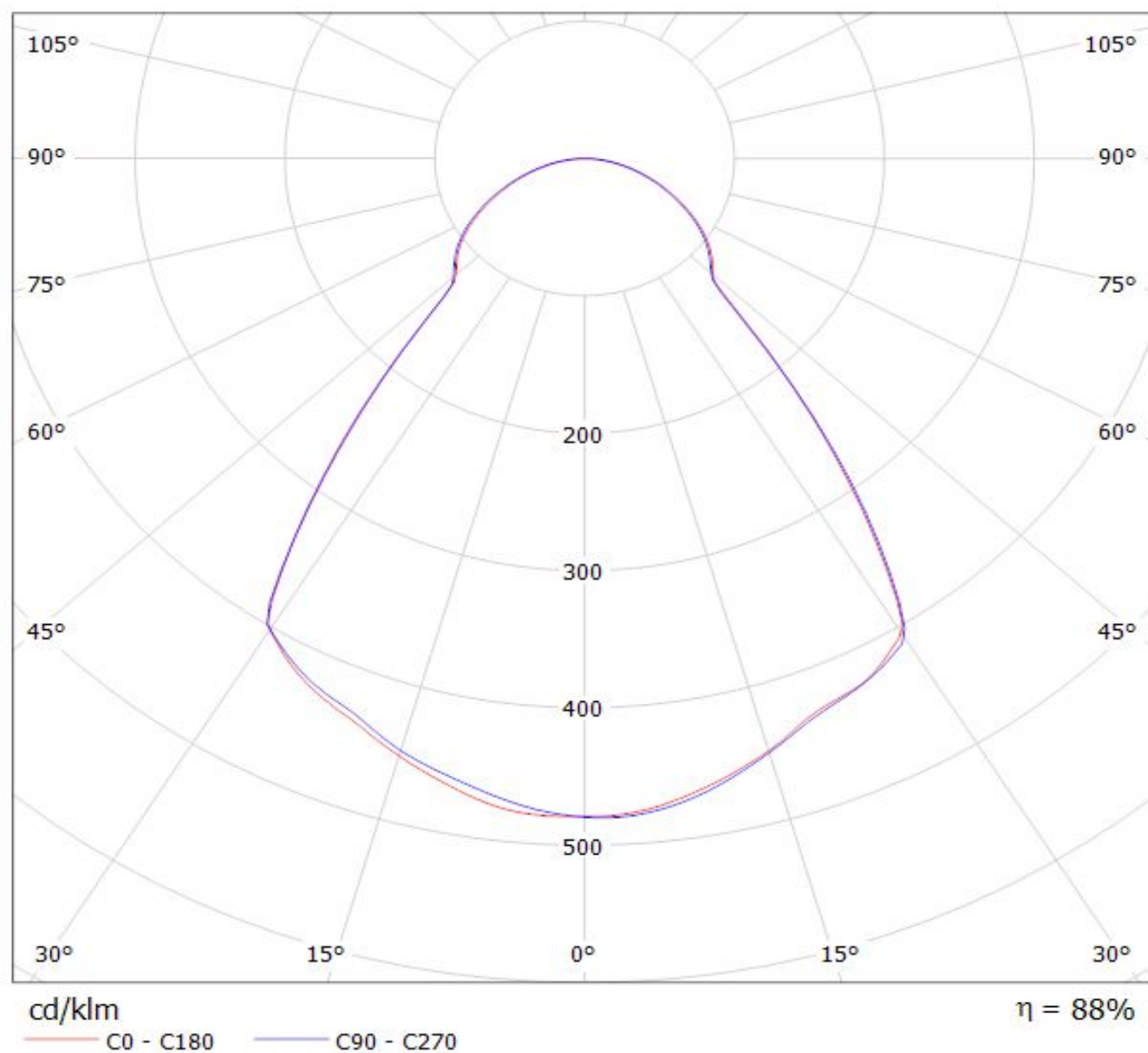
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XP-G) Eff. 90,1%
Lamps: 1 x Cree XP-G (66lm@250mA)



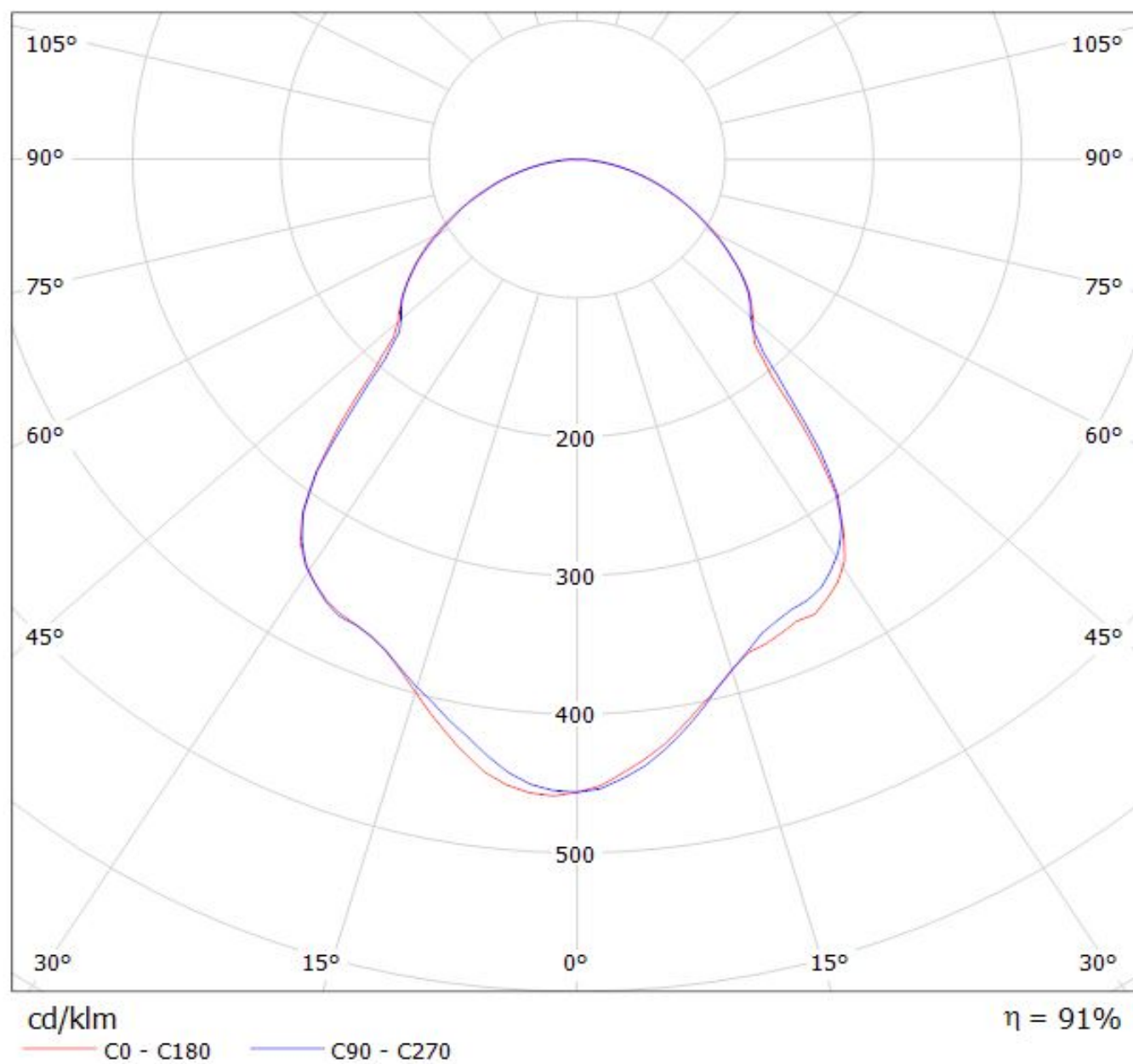
Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XM-L2) Eff.89,6%
Lamps: 1 x Cree XM-L2 (99lm@250mA)



Luminaire: LEDiL Oy C13253_TINA2-R-CLIP16_(XM-L) Eff. 88,3%
Lamps: 1 x Cree XM-L (91lm@250mA)



Luminaire: Ledil Oy C13253_TINA2-R-CLIP16_(Luxeon_TX) Efficiency=90%
Lamps: 1 x Luxeon TX 108lm @ 250mA CCT= P=0.73 I=250mA



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).