PRODUCT DATASHEET
Anna series
last update 3/3/2014

DETAILS



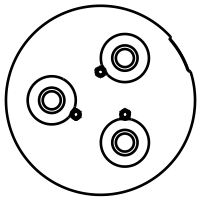
Product Number	C11613_ANNA-50-5-M
Family	Anna
Type	Lens array
Color	clear
Diameter	50 mm
Height	10,7 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	pin, glue
Status	production ready
ROHS Comliant	Yes
Date Updated	3/03/2014

OPTICAL PROPERTIES

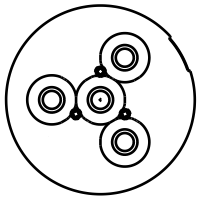
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XP-G	25 deg	Medium	91 %	3.600	-
XP-E	19 deg	Medium	91 %	5.200	-
XB-D	22 deg	Medium	87 %	3.450	-
LUXEON Rebel	18 deg	Medium	87 %	5.000	-
LUXEON Rebel ES	27 deg	Medium	87 %	2.300	-
LUXEON A	26 deg	Medium	84 %	2.840	-
NCSxx19A	23 deg	Medium	89 %	3.200	-
NVSxx19A	25 deg	Medium	89 %	2.900	-
NF2x757A	20 deg	Medium	90 %	4.080	-
Oslon SSL 80	20 deg	Medium	90 %	11.700	-
Oslon SSL 150	22 deg	Medium	89 %	4.000	-
Z5	sim: 23	Medium	-	-	-
Double Dome (GM2BB)	sim: 24	Medium	-	-	-

Ledil Oy
Salorankatu 10
24240 SALO, Finland

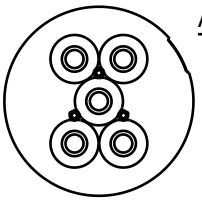
http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001



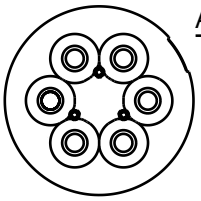
Anna-3



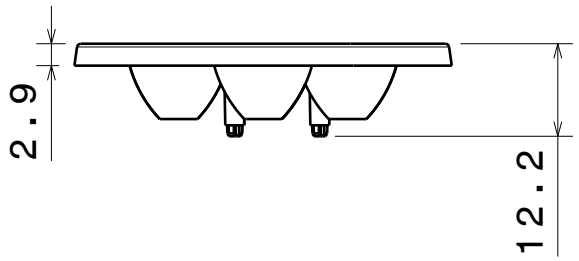
Anna-4



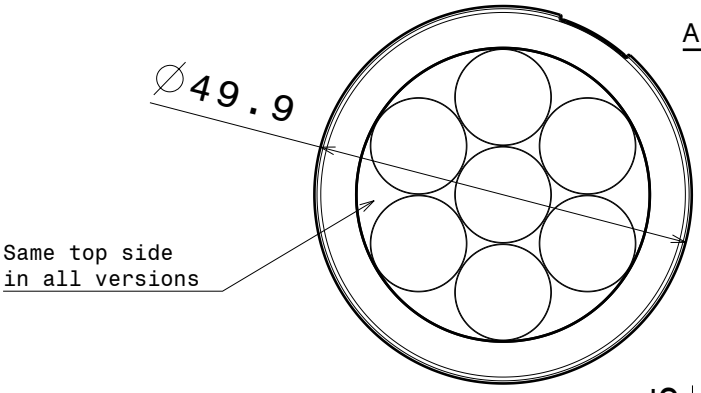
Anna-5

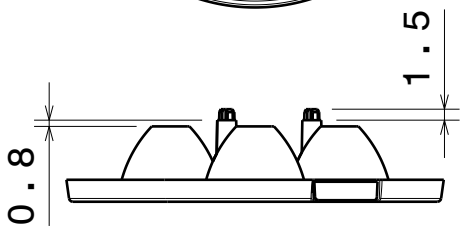


Anna-6



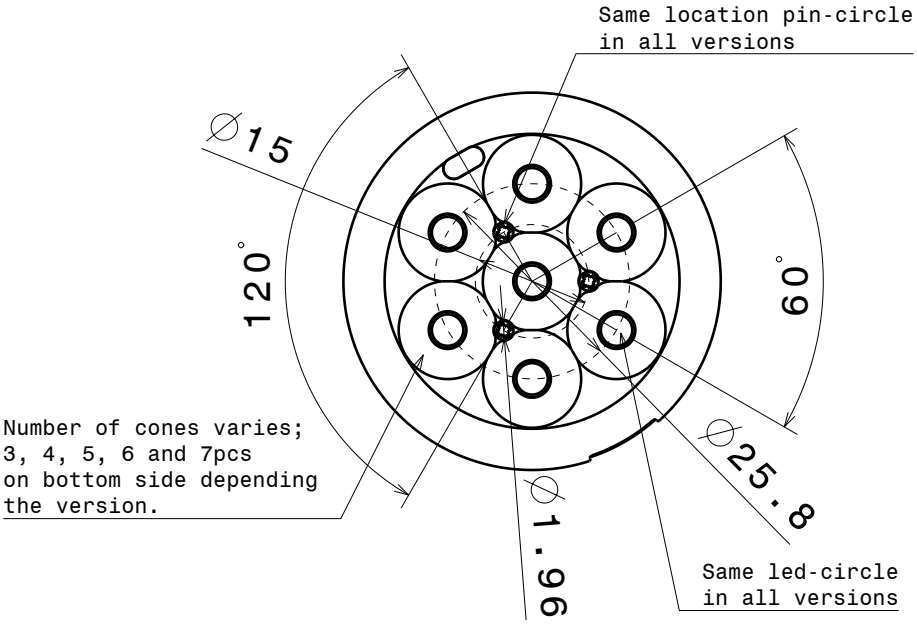
Anna-7





Material: PMMA

Versions:
Anna-3-S
Anna-3-M
Anna-3-W
Anna-4-S
Anna-4-M
Anna-4-W
Anna-5-S
Anna-5-M
Anna-5-W
Anna-6-S
Anna-6-M
Anna-6-W
Anna-7-S
Anna-7-M
Anna-7-W



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LEDiL

DRAWN BY: p	DATE: 05.10.2010
CHECKED BY: t k	DATE: 03.08.2010
DESIGNED BY: hh	DATE: 30.07.2010

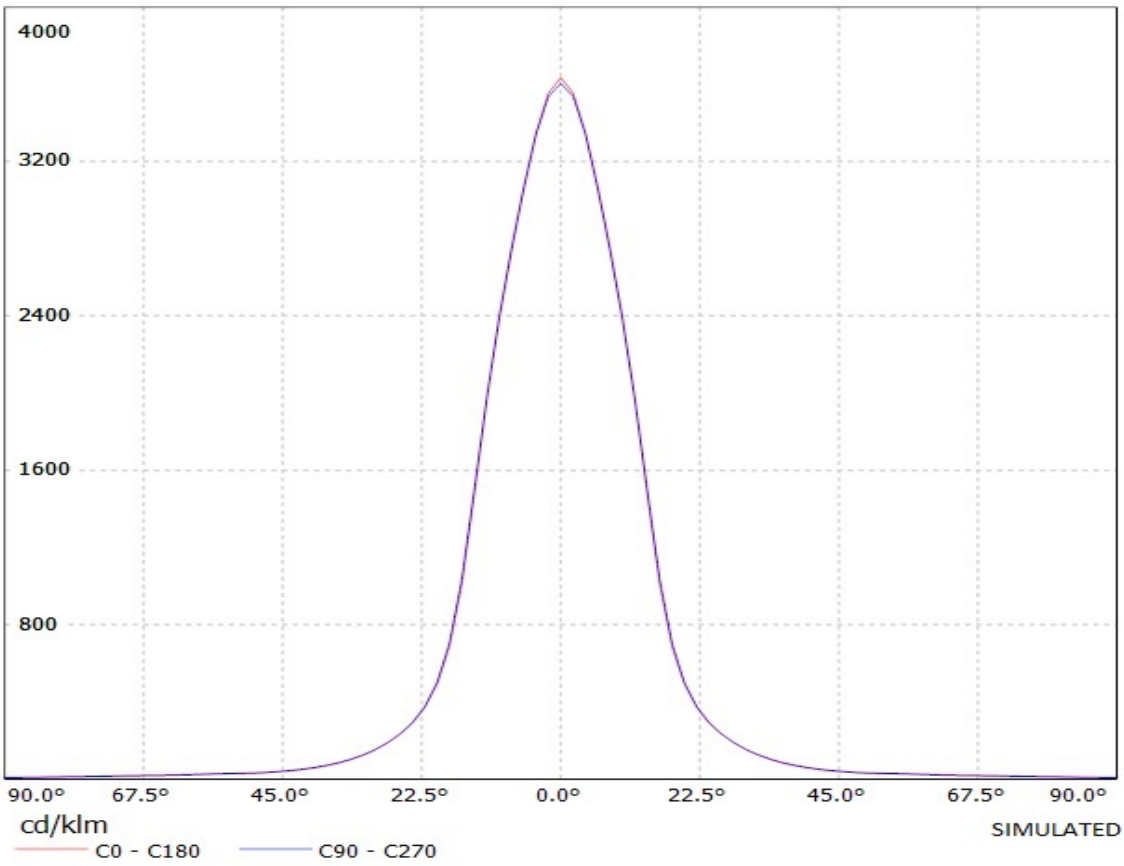
DRAWING TITLE

Datasheet Anna50-series Lens

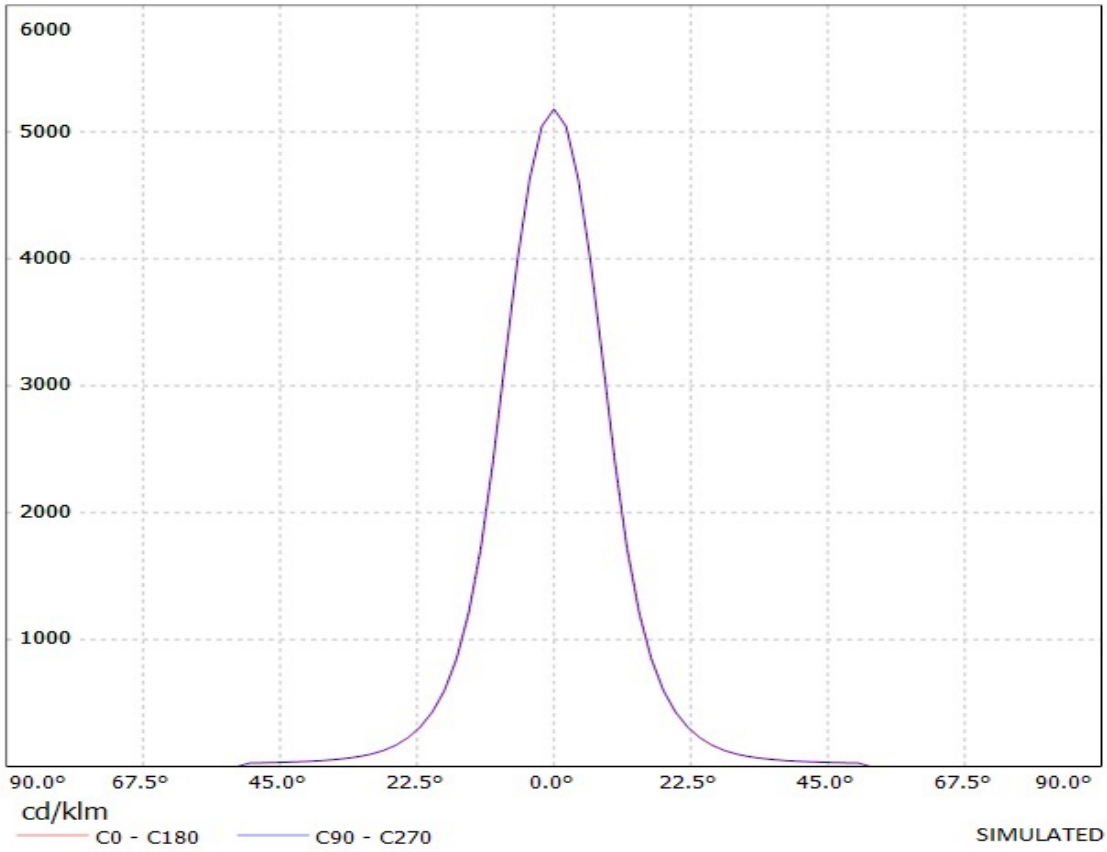
SIZE	DRAWING NUMBER	REV
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SCALE	WEIGHT(g)	SHEET
1:1		1/1

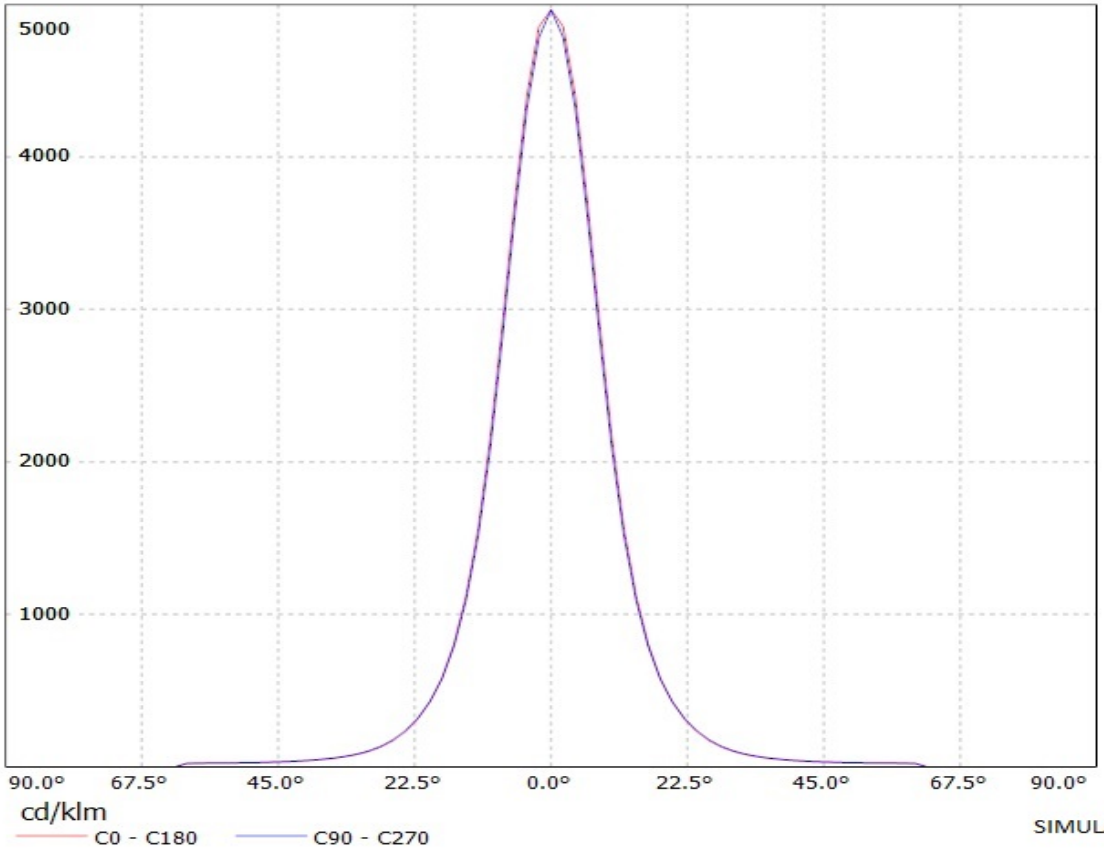
Luminaire: Ledil Oy C11613_Anna-50-5-M-XP-G C11613_Anna-50-5-M-XP-G
Lamps: 1 x Cree XP-G (White)



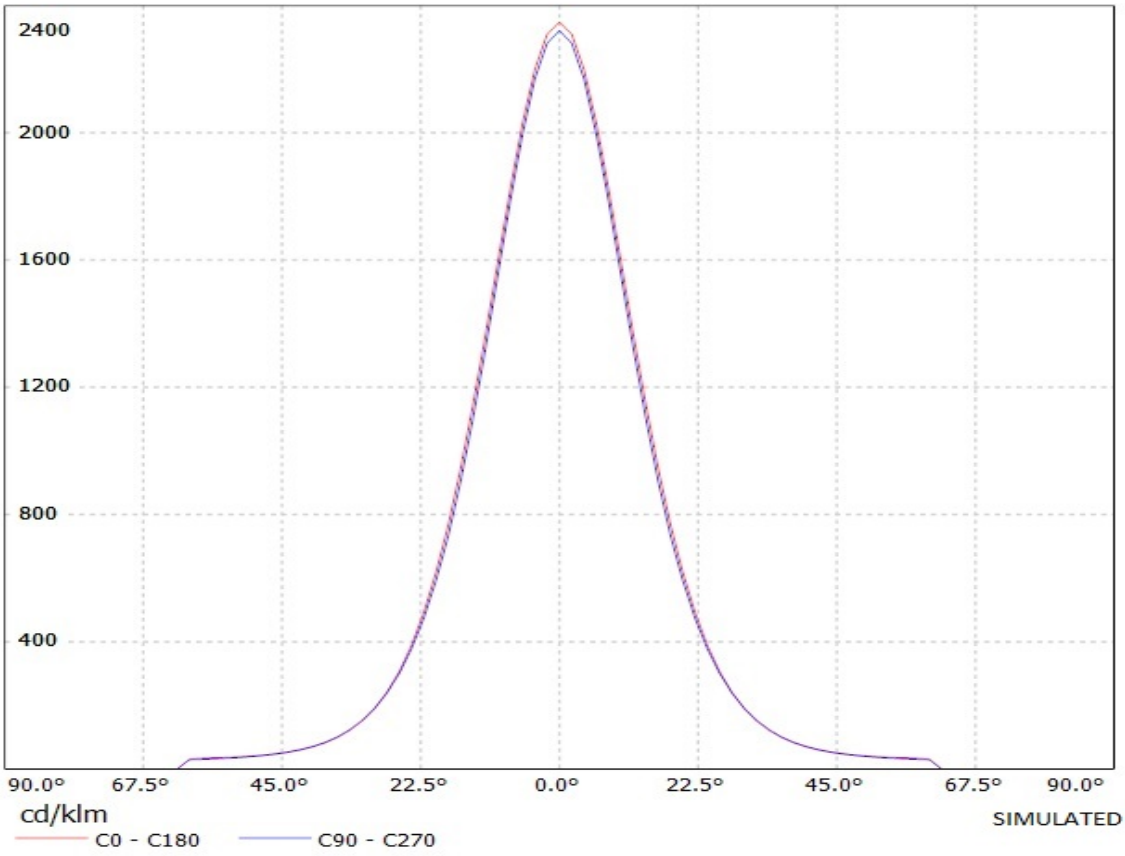
Luminaire: Ledil Oy C11613_Anna-50-5-M-XP C11613_Anna-50-5-M-XP
Lamps: 1 x Cree XP-E (white) 369lm



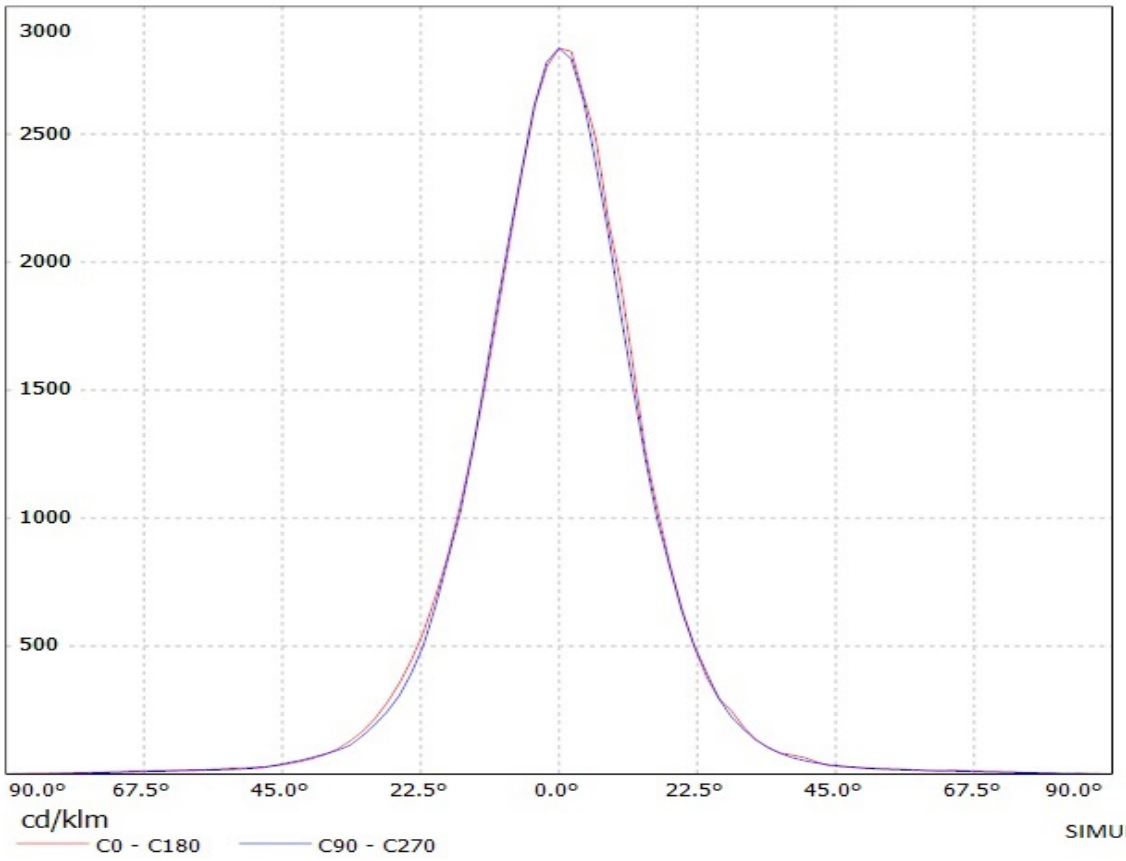
Luminaire: Ledil Oy C11613-Anna-50-5-M-RE C11613-Anna-50-5-M-RE
Lamps: 1 x Luxeon Rebel (white) 404



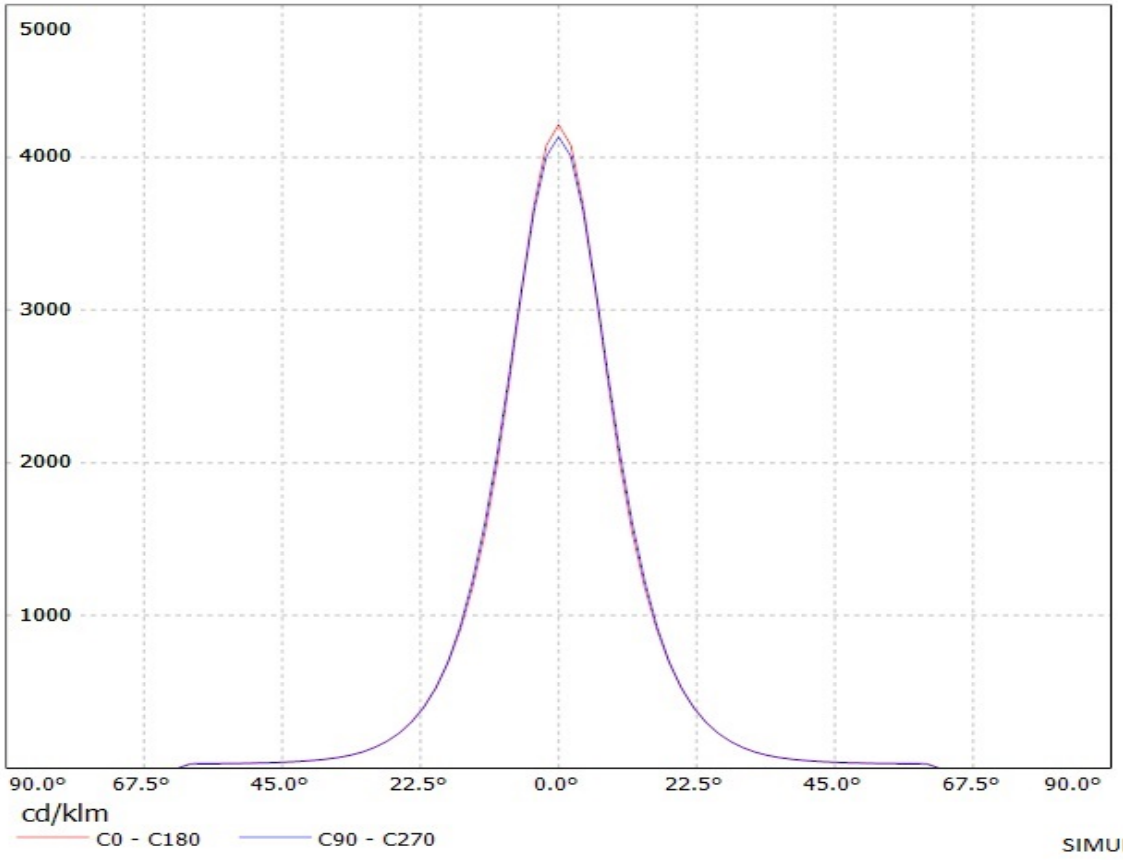
Luminaire: Ledil Oy C11613-Anna-50-5-M-RE-ES C11613-Anna-50-5-M-RE-ES
Lamps: 1 x Luxeon Rebel ES (white)



Luminaire: Ledil Oy C11613-Anna-50-5-M-RE-A Efficiency=84%
Lamps: 1 x Luxeon-A 370lm 250mA

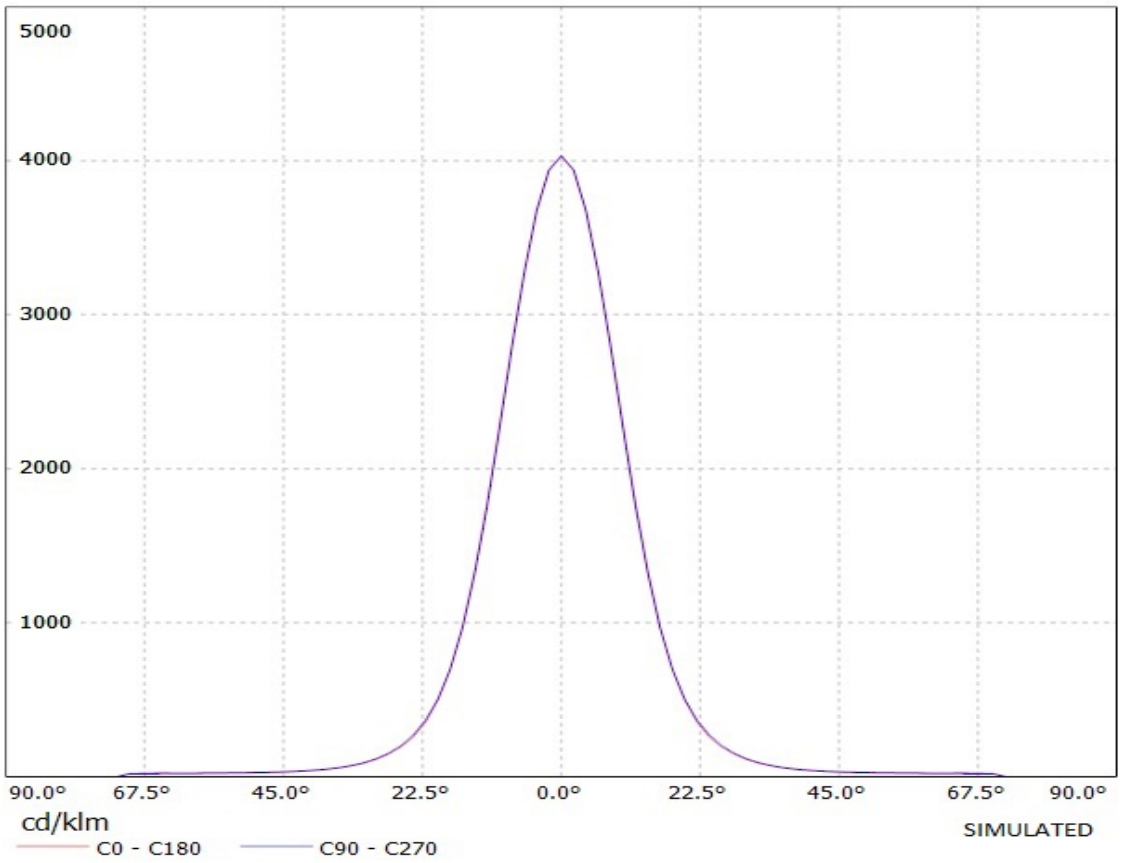


Luminaire: Ledil Oy C11613_Anna-50-5-M-OSL C11613_Anna-50-5-M-OSL
Lamps: 1 x Osram SSL 80

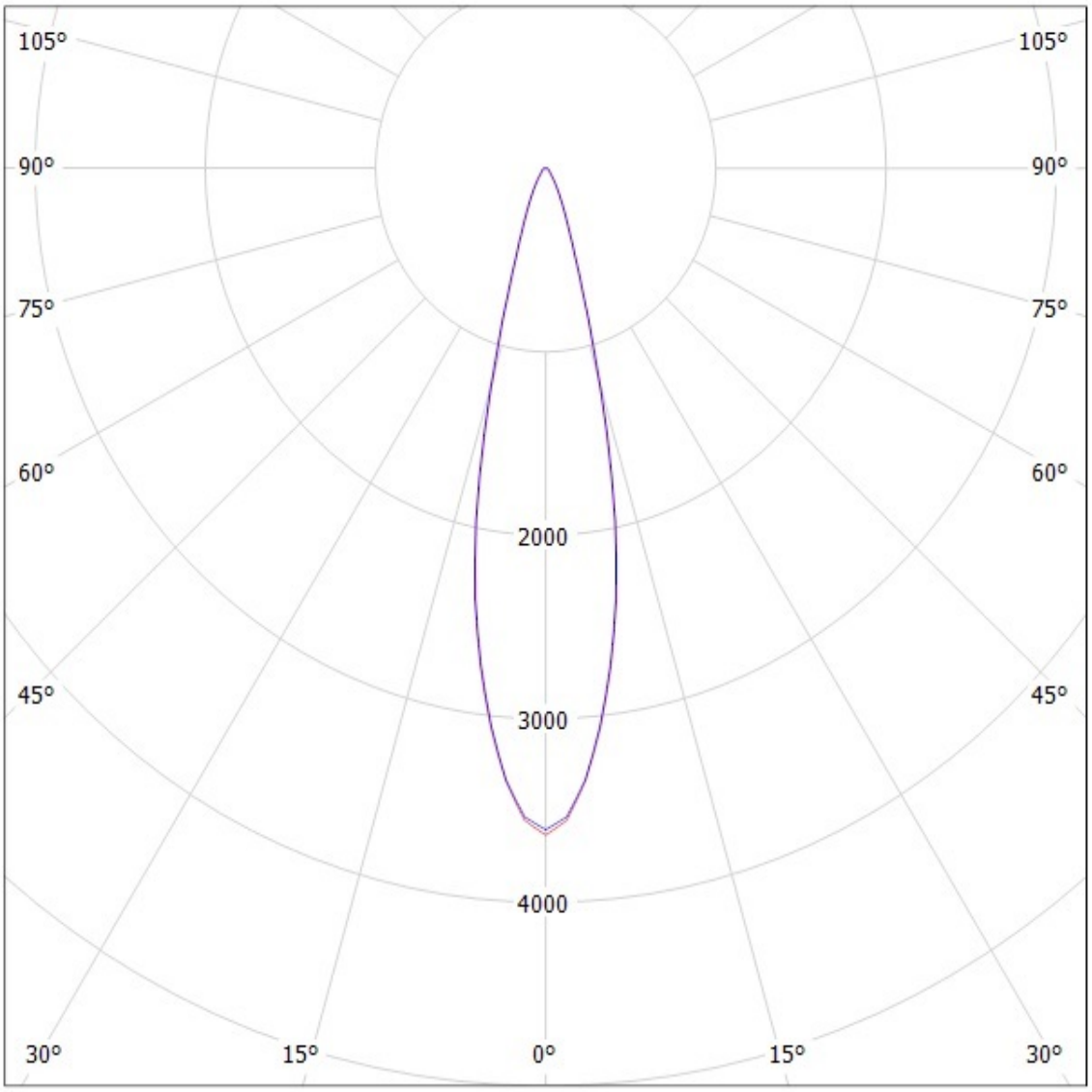


SIMULATED

Luminaire: Ledil Oy C11613_Anna-50-5-M-OSL150 C11613_Anna-50-5-M-OSL150
Lamps: 1 x Osram SSL 150



Luminaire: Ledil Oy C11613_Anna-50-5-M-XP-G C11613_Anna-50-5-M-XP-G
Lamps: 1 x Cree XP-G (White)

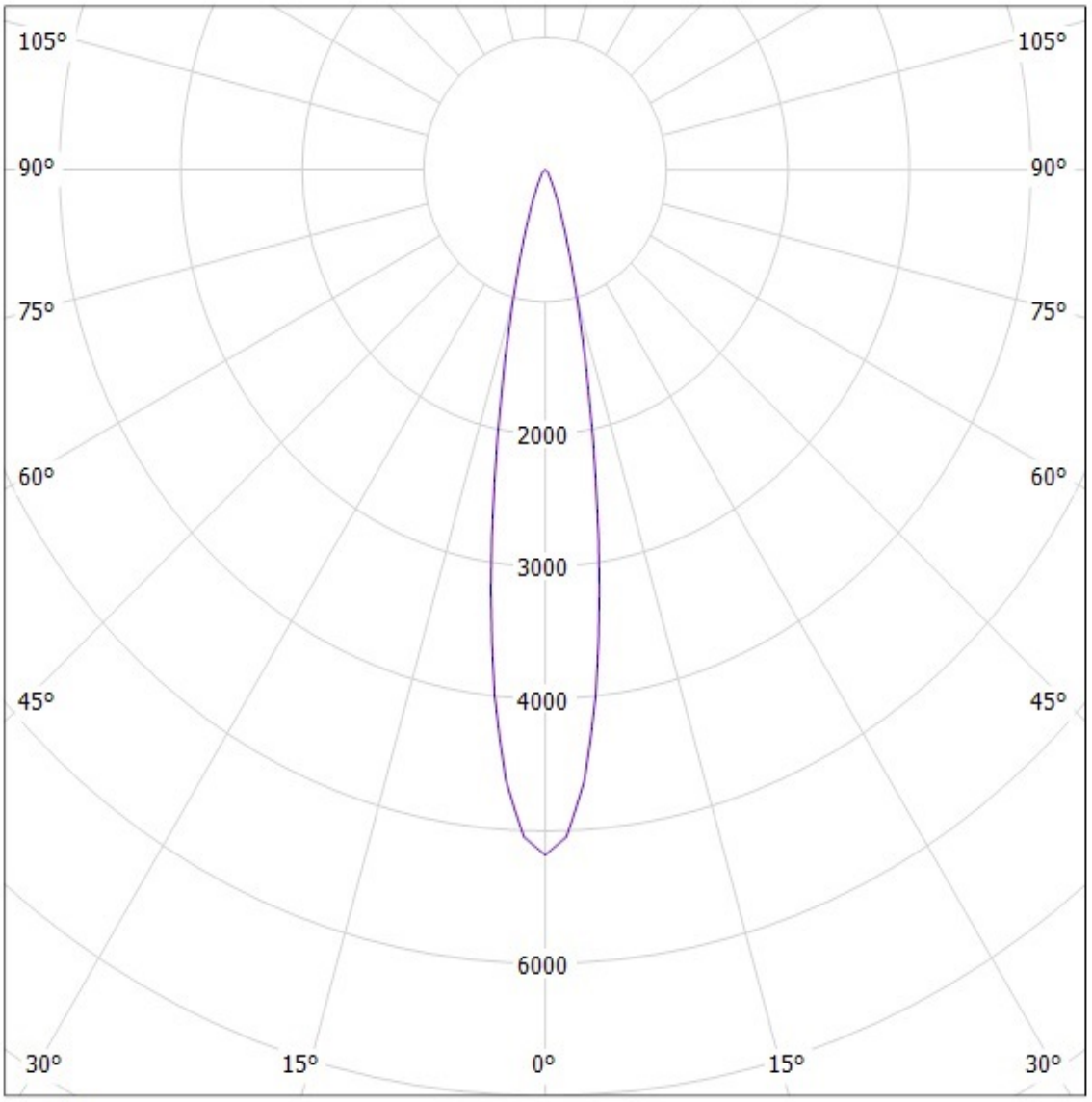


cd/klm

C0 - C180 C90 - C270

SIMULATED

Luminaire: Ledil Oy C11613_Anna-50-5-M-XP C11613_Anna-50-5-M-XP
Lamps: 1 x Cree XP-E (white) 369lm

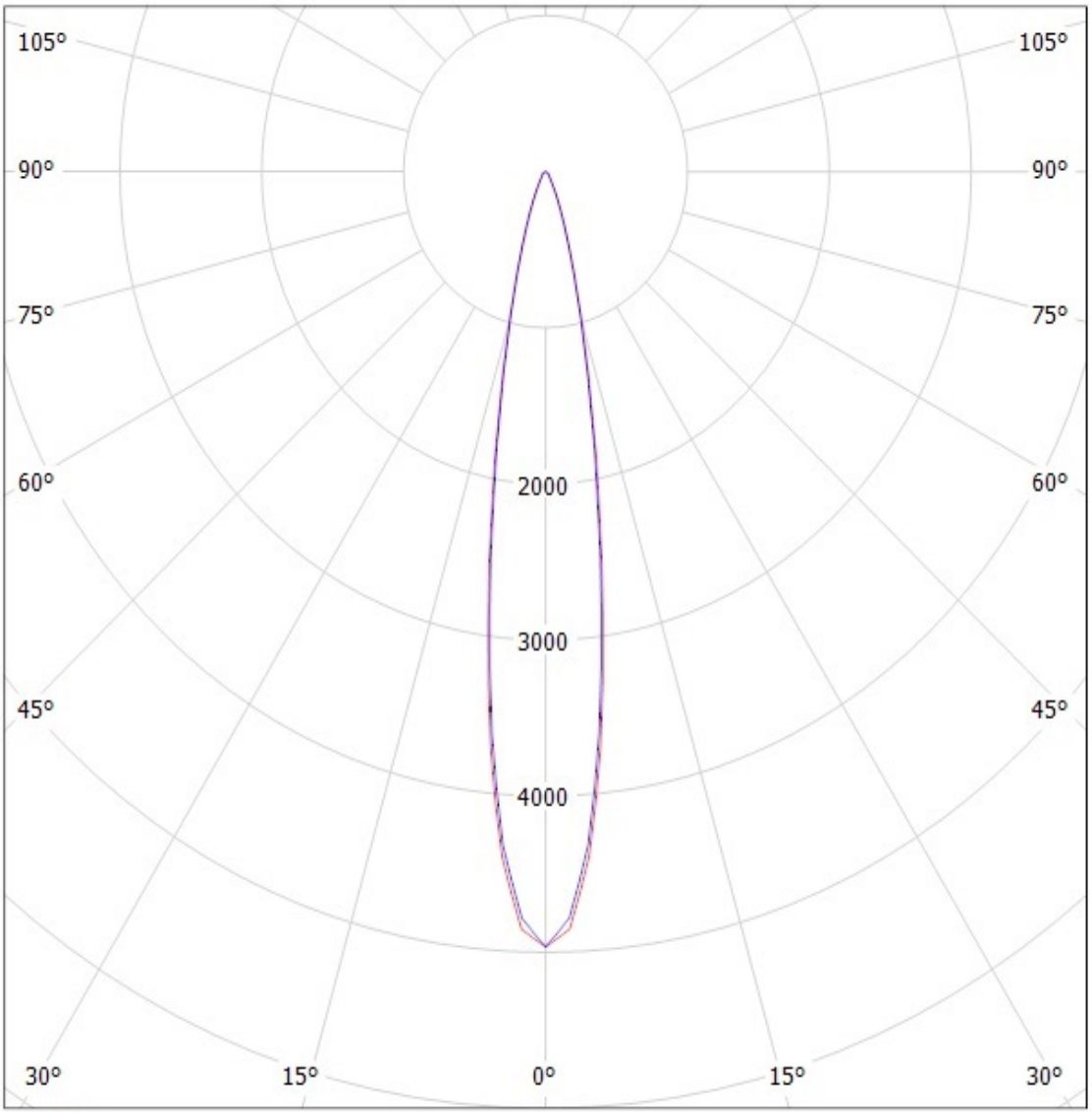


cd/klm

SIMULATED

C0 - C180 C90 - C270

Luminaire: Ledil Oy C11613-Anna-50-5-M-RE C11613-Anna-50-5-M-RE
Lamps: 1 x Luxeon Rebel (white) 404

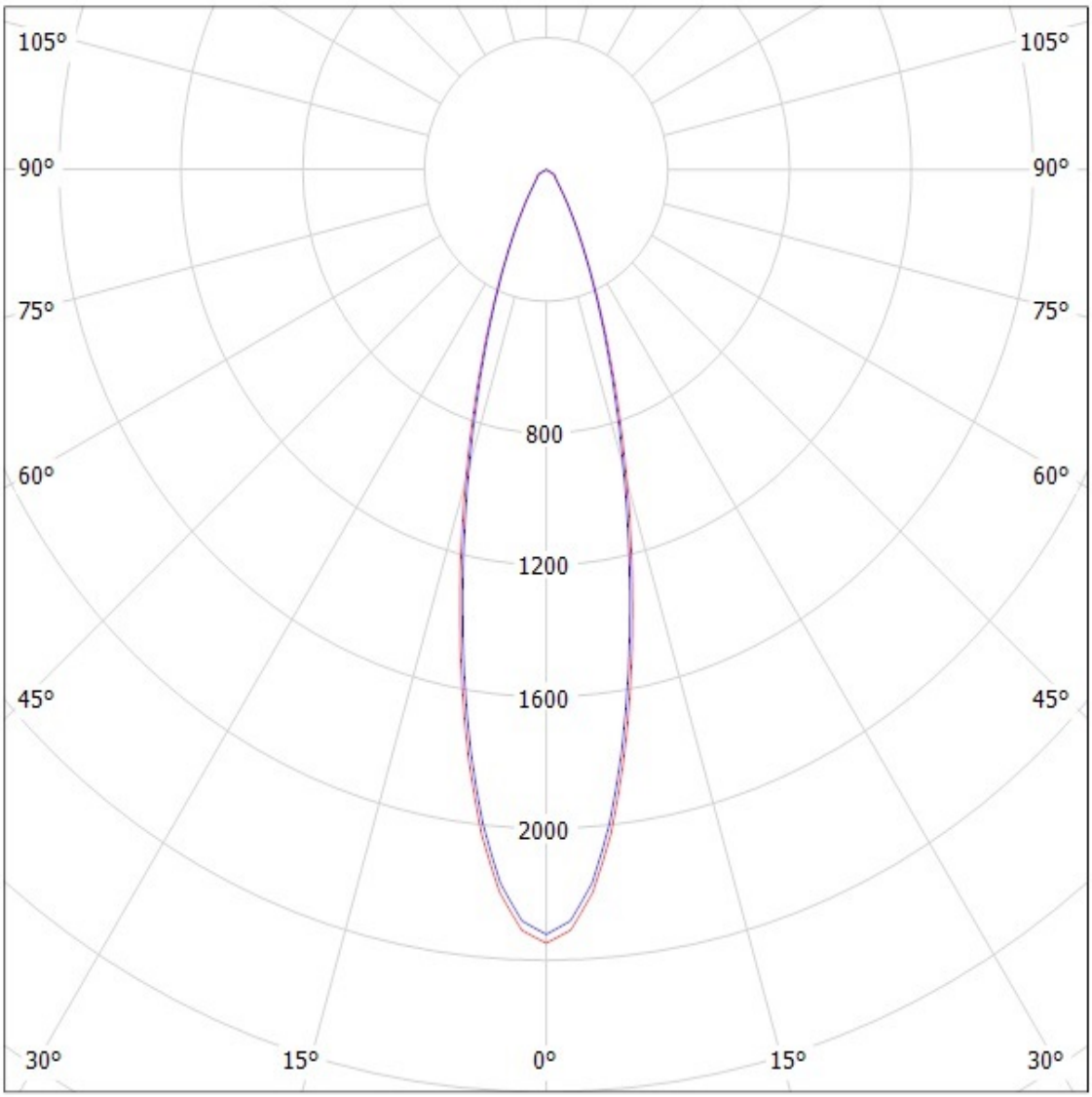


cd/klm

C0 - C180 C90 - C270

SIMULATED

Luminaire: Ledil Oy C11613-Anna-50-5-M-RE-ES C11613-Anna-50-5-M-RE-ES
Lamps: 1 x Luxeon Rebel ES (white)

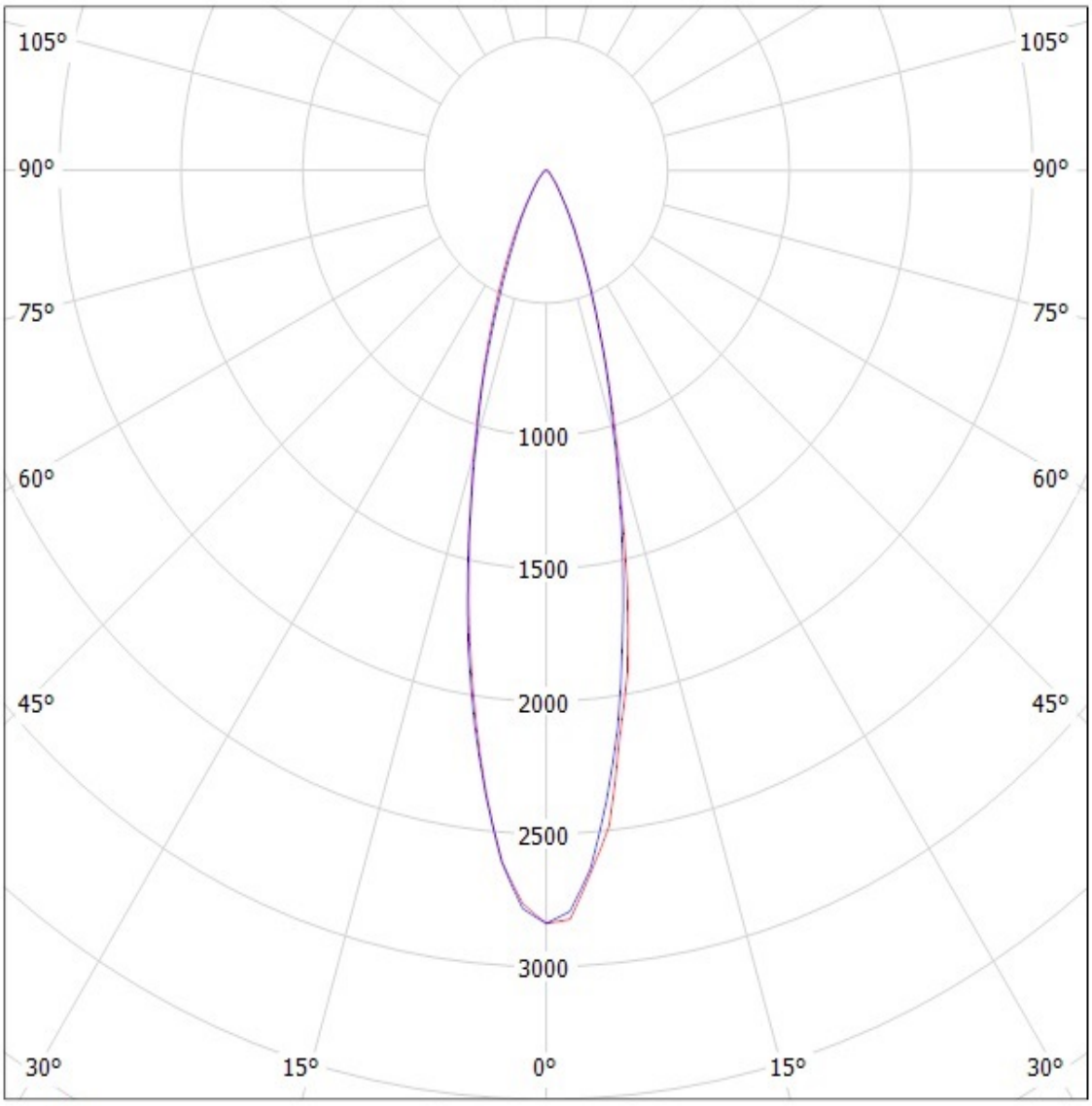


cd/klm

C0 - C180 C90 - C270

SIMULATED

Luminaire: Ledil Oy C11613-Anna-50-5-M-RE-A Efficiency=84%
Lamps: 1 x Luxeon-A 370lm 250mA

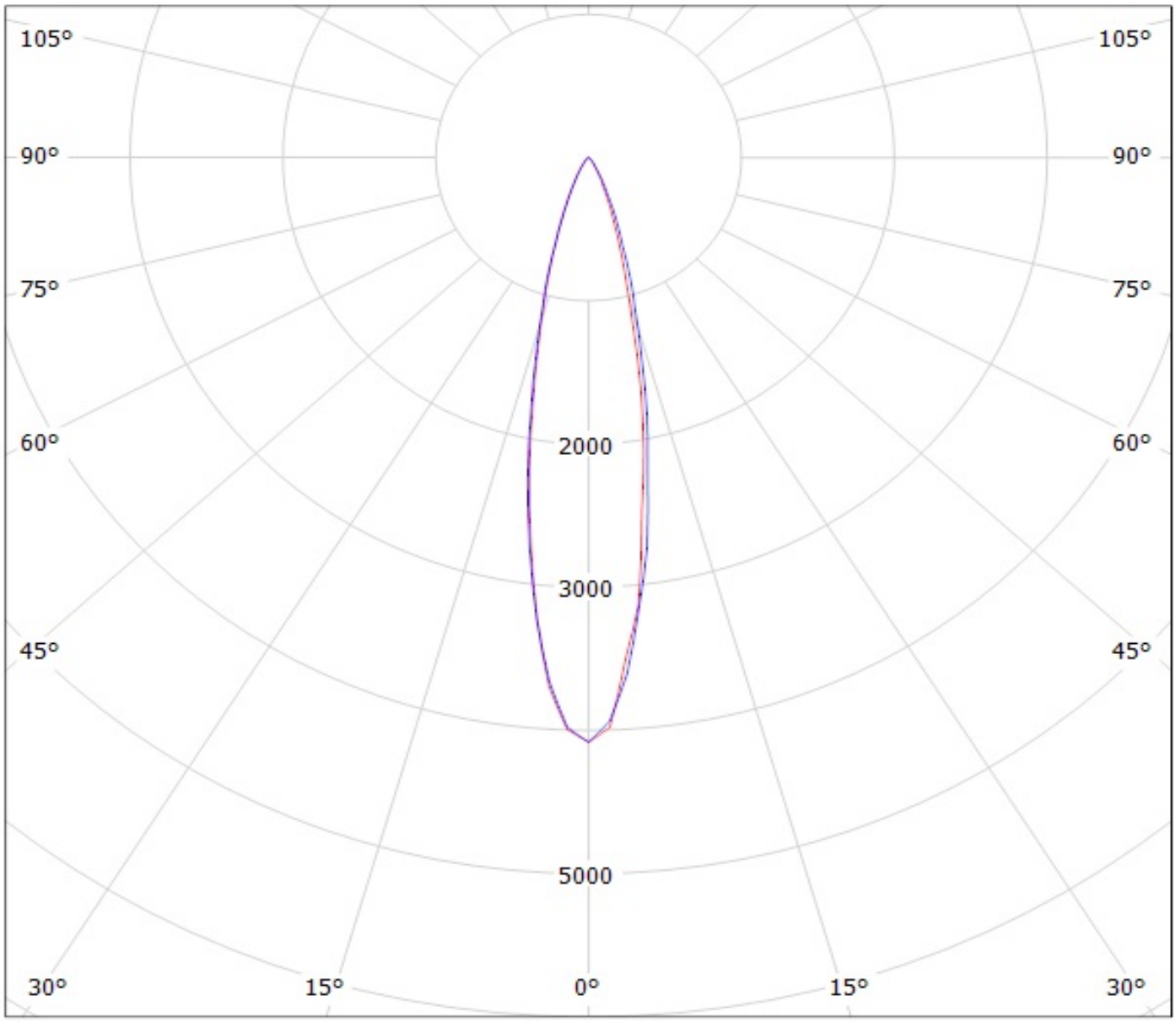


cd/klm

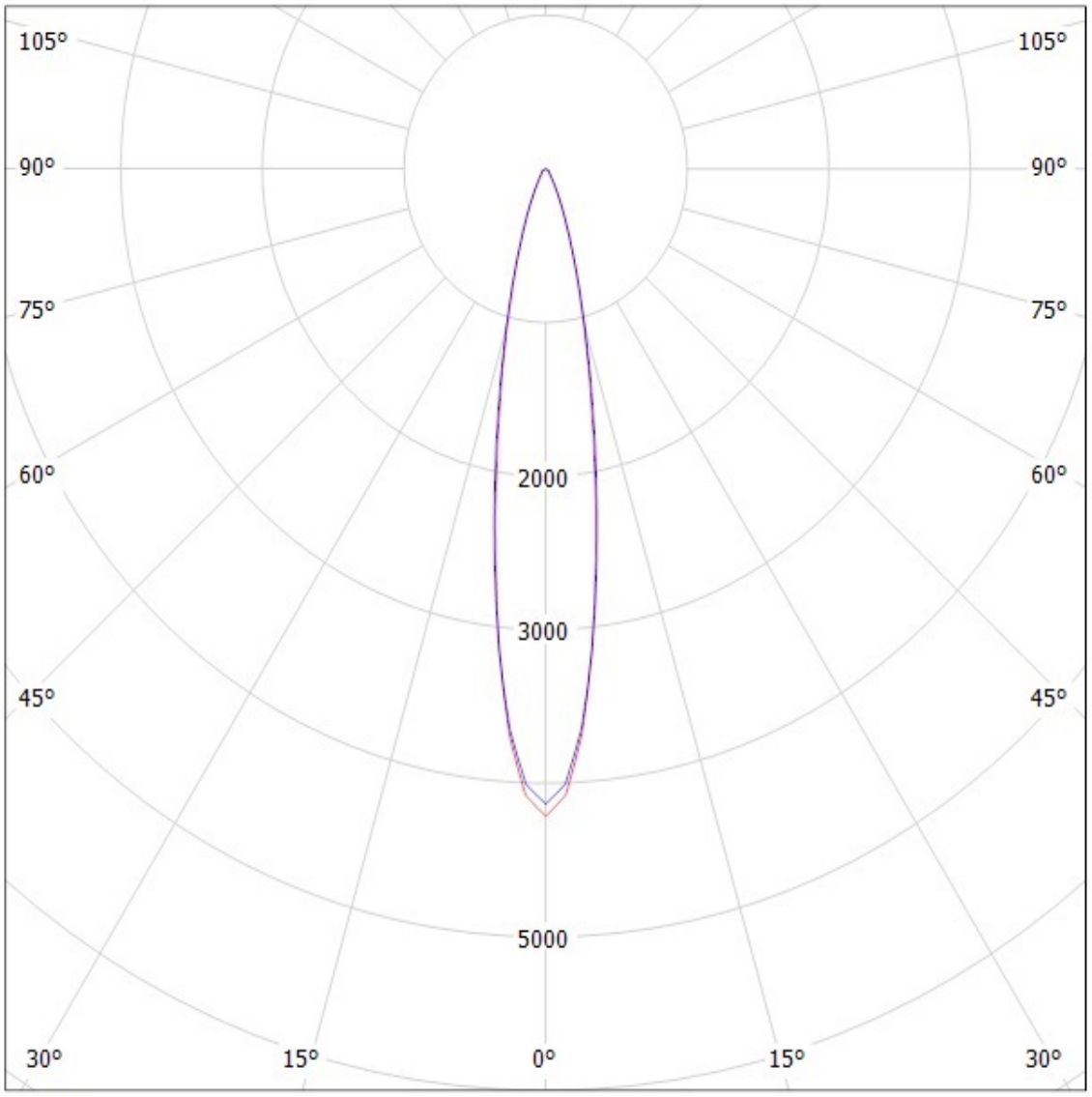
C0 - C180 C90 - C270

SIMULATED

Luminaire: Ledil Oy C11613_ANNA-50-5-M-757 (Nichia 757 161lm @ 100mA) LOR=90%
Lamps: 1 x Nichia 757 161lm @ 100mA



Luminaire: Ledil Oy C11613_Anna-50-5-M-OSL C11613_Anna-50-5-M-OSL
Lamps: 1 x Osram SSL 80

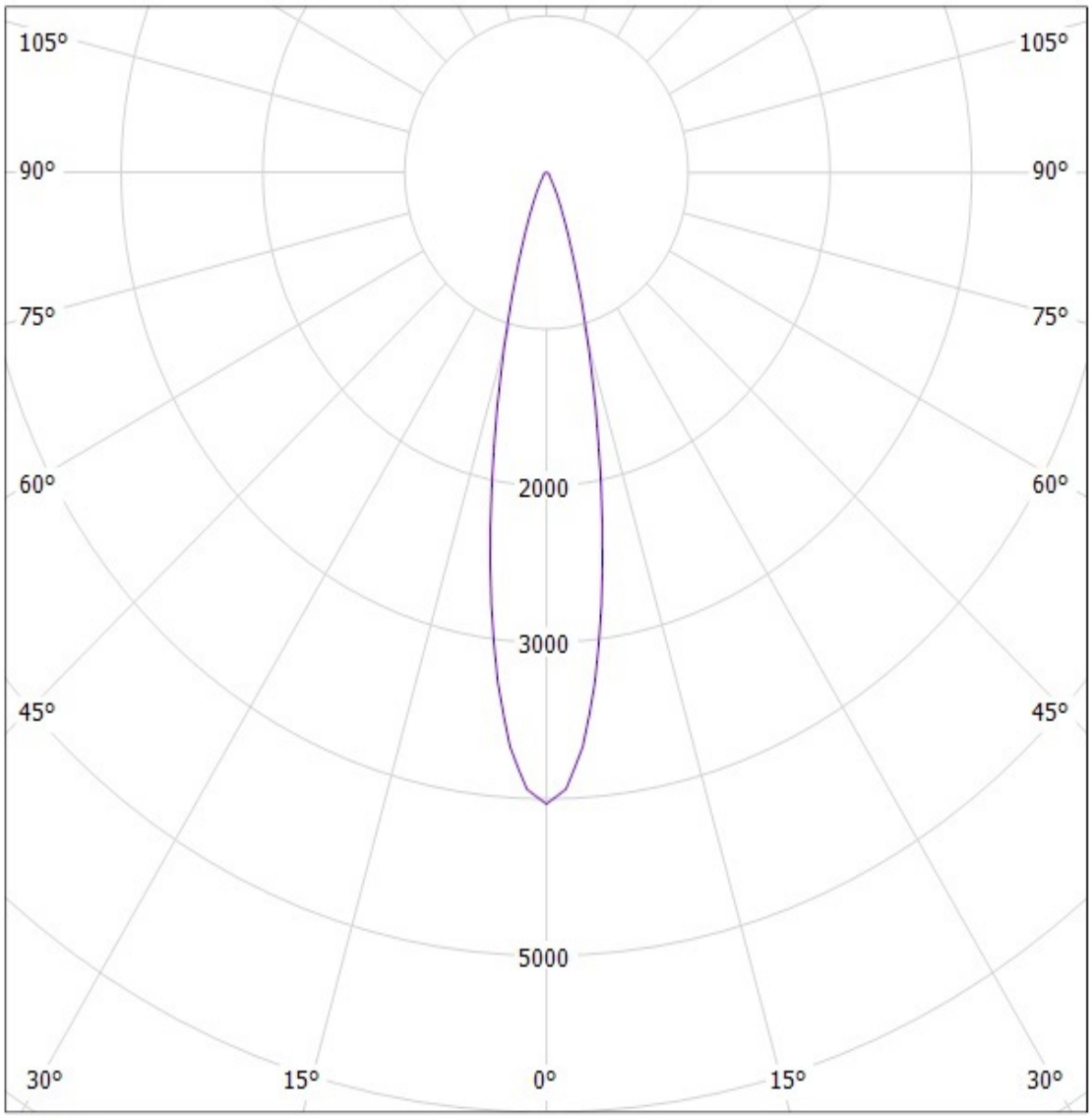


cd/klm

C0 - C180 C90 - C270

SIMULATED

Luminaire: Ledil Oy C11613_Anna-50-5-M-OSL150 C11613_Anna-50-5-M-OSL150
Lamps: 1 x Osram SSL 150



cd/klm

C0 - C180 C90 - C270

SIMULATED

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.