PRODUCT DATASHEET
Cute series
last update 7/3/2014

DETAILS



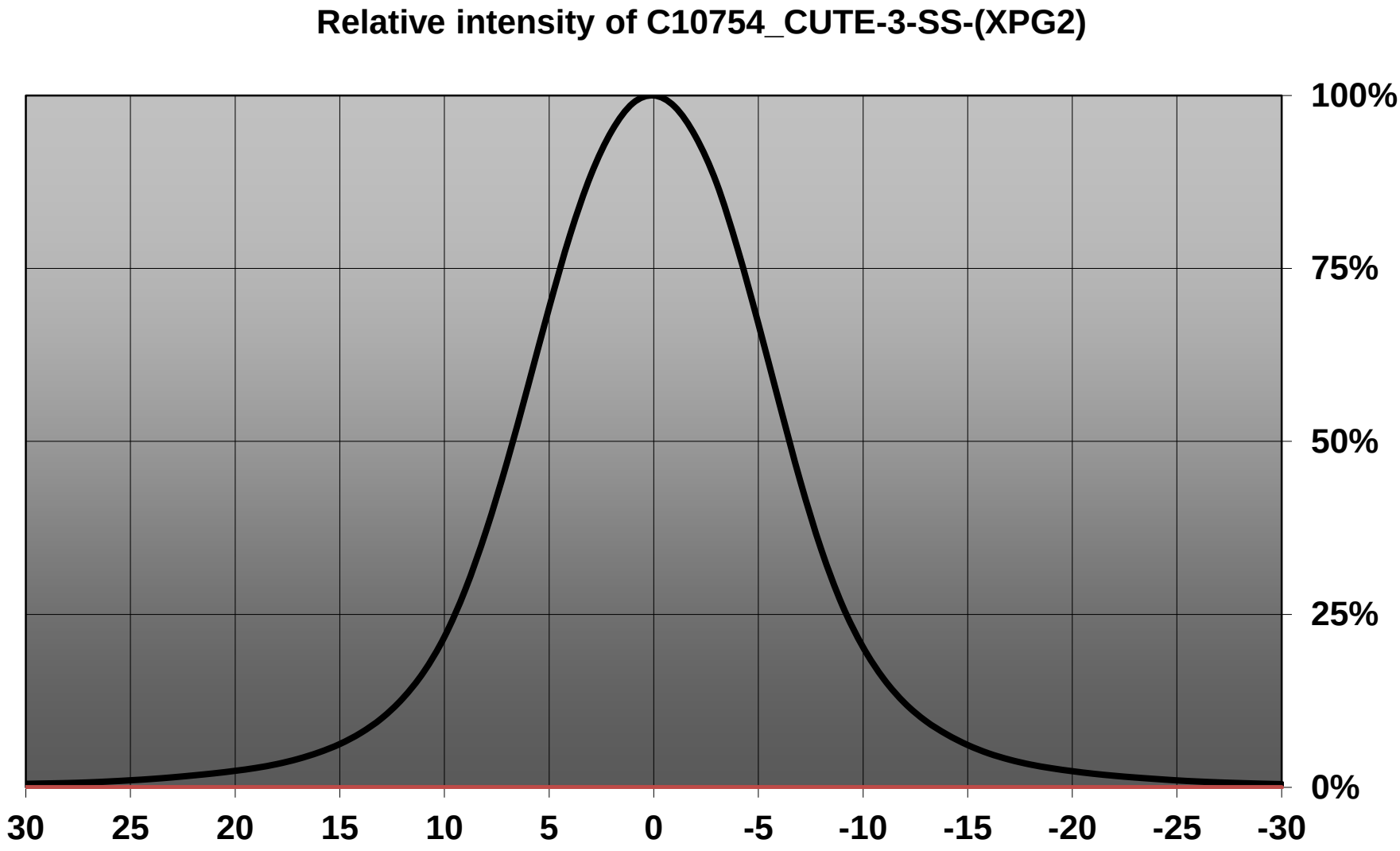
Product Number	C10754_CUTE-3-SS
Family	Cute
Type	Lens array
Color	clear
Diameter	35 mm
Height	15 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	glue, pin
Status	production ready
ROHS Comliant	Yes
Date Updated	7/03/2014

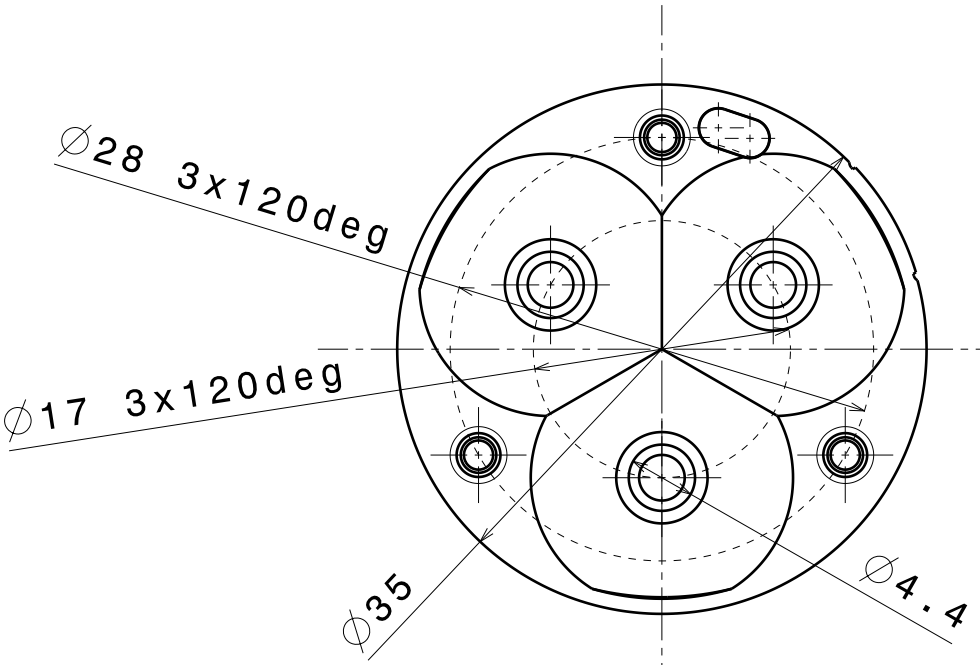
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XM-L	19 deg	Smooth spo...	91 %	5.280	-
XP-E	11 deg	Smooth spo...	93 %	15.390	-
XP-G	15 deg	Smooth spo...	93 %	9.540	-
XM-L HVW	sim: 19	Smooth spo...	87 %	-	-
XT-E HVW	sim: 15	Smooth spo...	88 %	-	-
XT-E	12 deg	Smooth spo...	88 %	8.700	-
XP-G2	14 deg	Smooth spo...	89 %	11.800	-
XM-L2	20 deg	Smooth spo...	90 %	6.400	-
C3535 (Intematix)	12 deg	Smooth spo...	90 %	-	-
H35C1 (LEMWA33)	14 deg	Smooth spo...	86 %	10.900	-
LUXEON Rebel	12 deg	Smooth spo...	91 %	12.200	-
LUXEON Rebel ES	13 deg	Smooth spo...	91 %	-	-
LUXEON A	13 deg	Smooth spo...	91 %	-	-
NCSxx19A	12 deg	Smooth spo...	89 %	-	-
NVSxx19A	14 deg	Smooth spo...	89 %	-	-
Oslon SSL 80	10 deg	Smooth spo...	90 %	15.220	-
Oslon SSL 150	13 deg	Smooth spo...	-	-	-
Oslon Square EC	17 deg	Smooth spo...	83 %	8.540	-
Z5	10 deg	Smooth spo...	-	-	-
Z5M1/Z5M2	14 deg	Smooth spo...	88 %	11.700	-

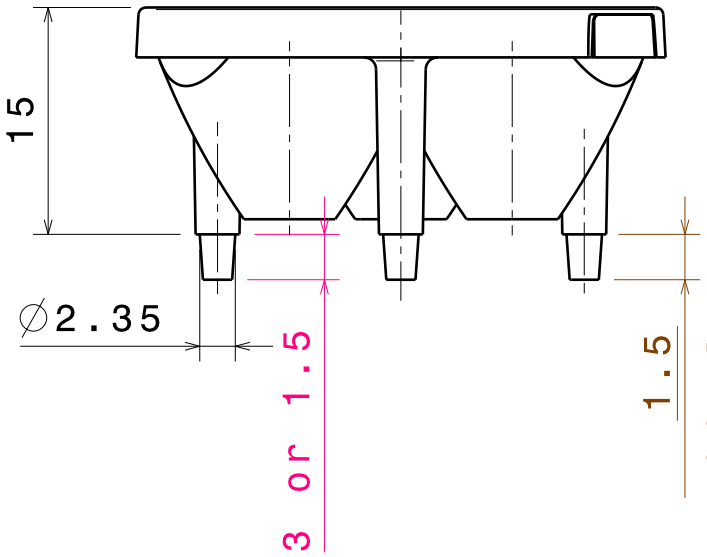
Ledil Oy
Salorankatu 10
24240 SALO, Finland

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


Relative intensity of C10754_CUTE-3-SS-(XPG2)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30



Bottom view



Side view

Material: PMMA

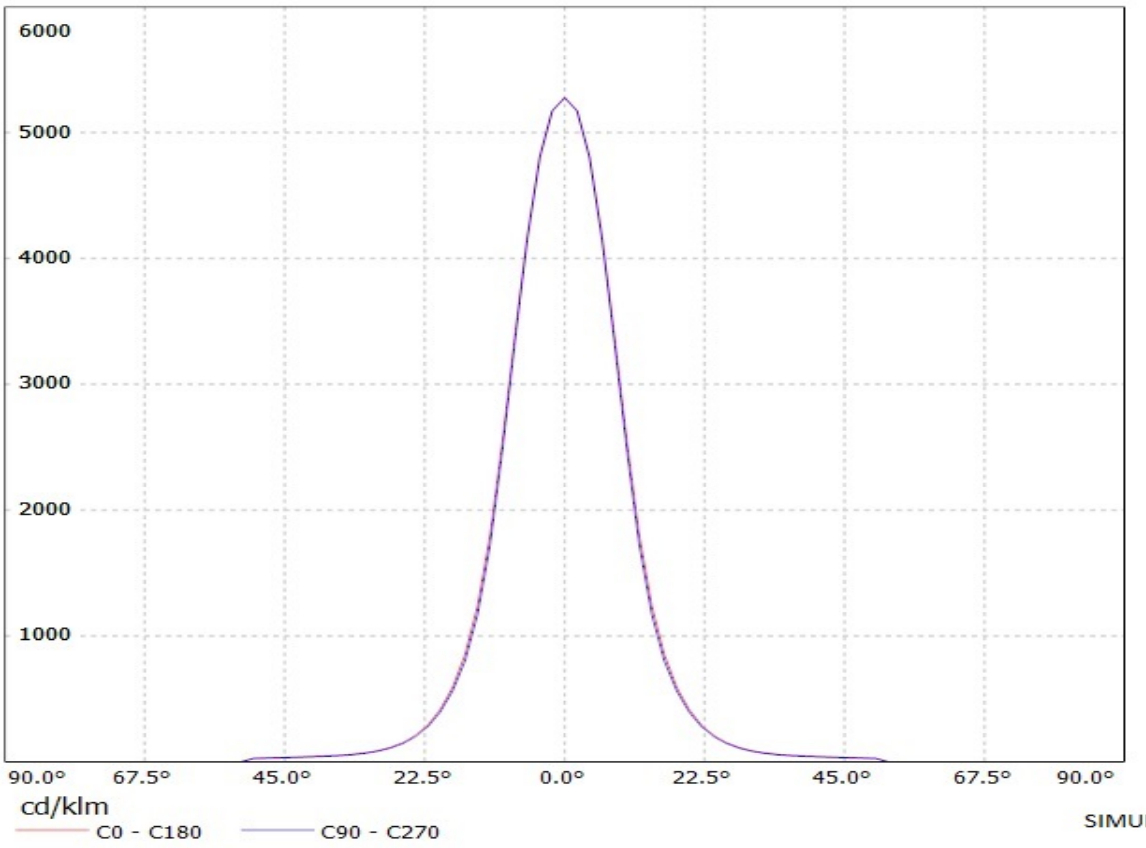
Part no.s;
Spot:
C10754_Cute-3-SS
C11333_Cute-3-SS, pin head length =1.5mm
Medium:
C10755_Cute-3-M
C11334_Cute-3-M, pin head length =1.5mm
Wide:
C10756_Cute-3-W

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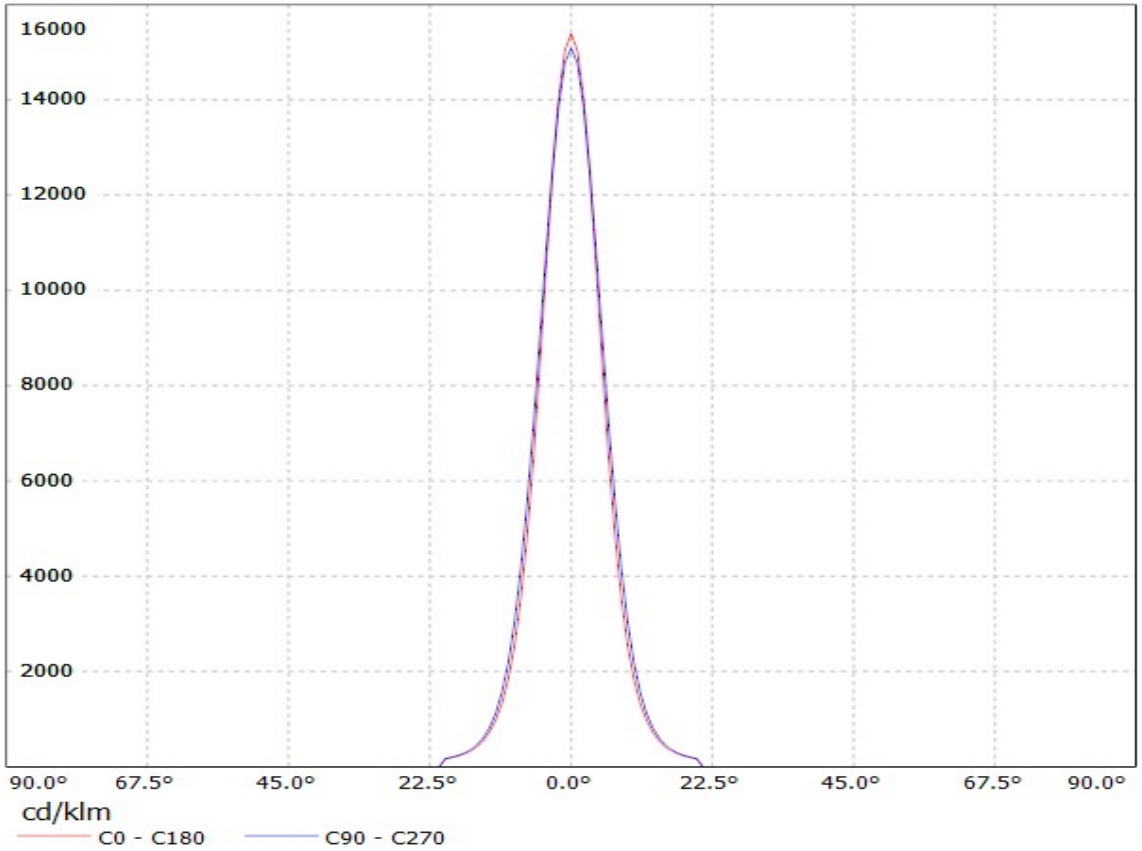
Ledil Oy
Tehdaskatu 13
FIN-24100 SALO
Finland

DRAWN BY: pv	DATE: 08.02.2010	DRAWING TITLE: Datasheet Cute-3 Lens Series		
CHECKED BY: TK	DATE: 09.09.2008	SIZE: A4	DRAWING NUMBER	REV: 1
DESIGNED BY: HH	DATE: 09.09.2008	SCALE: 2:1	WEIGHT(g)	SHEET: 1/1

Luminaire: Ledil Oy C10755_Cute-3-M-XM C10755_Cute-3-M-XM
Lamps: 1 x Cree XM-L x3

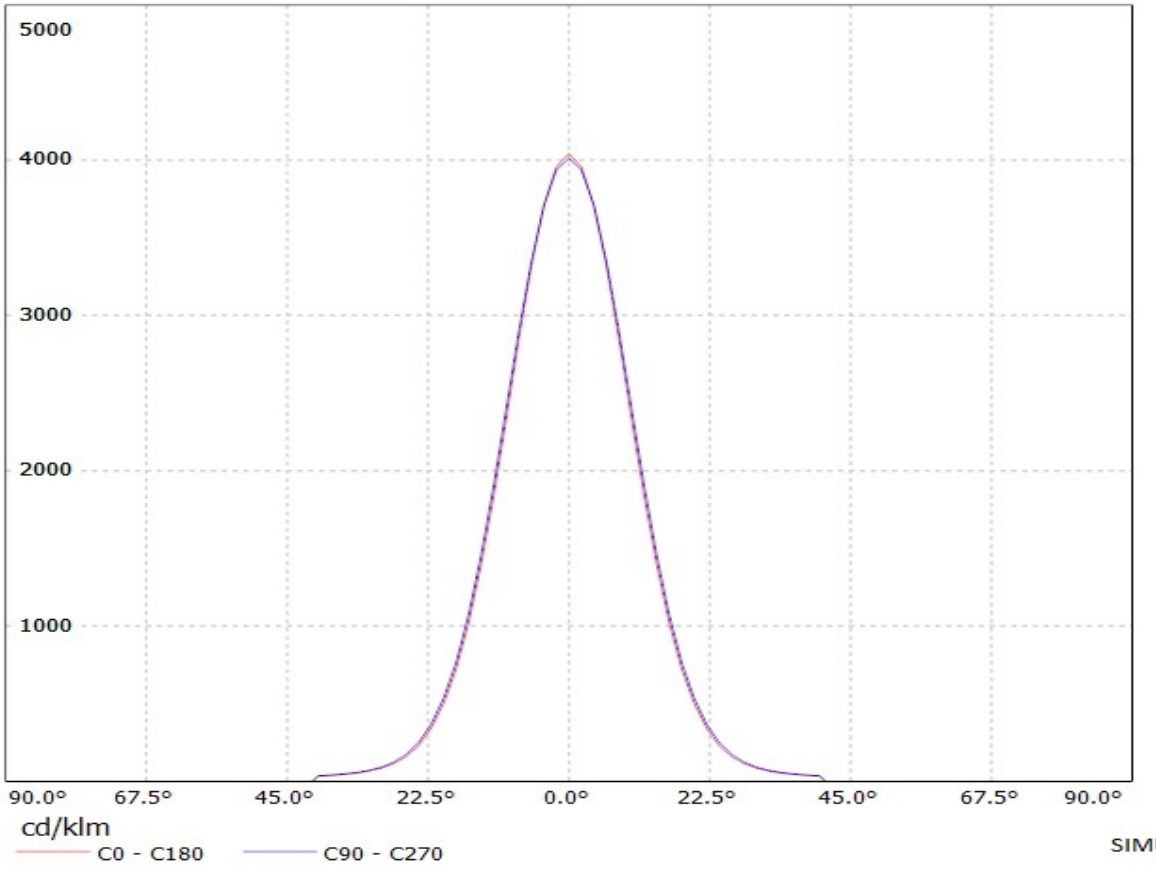


Luminaire: Ledil Oy C10754_Cute-3-SS-XP C10754_Cute-3-SS-XP
Lamps: 3 x Cree XP-E (White)

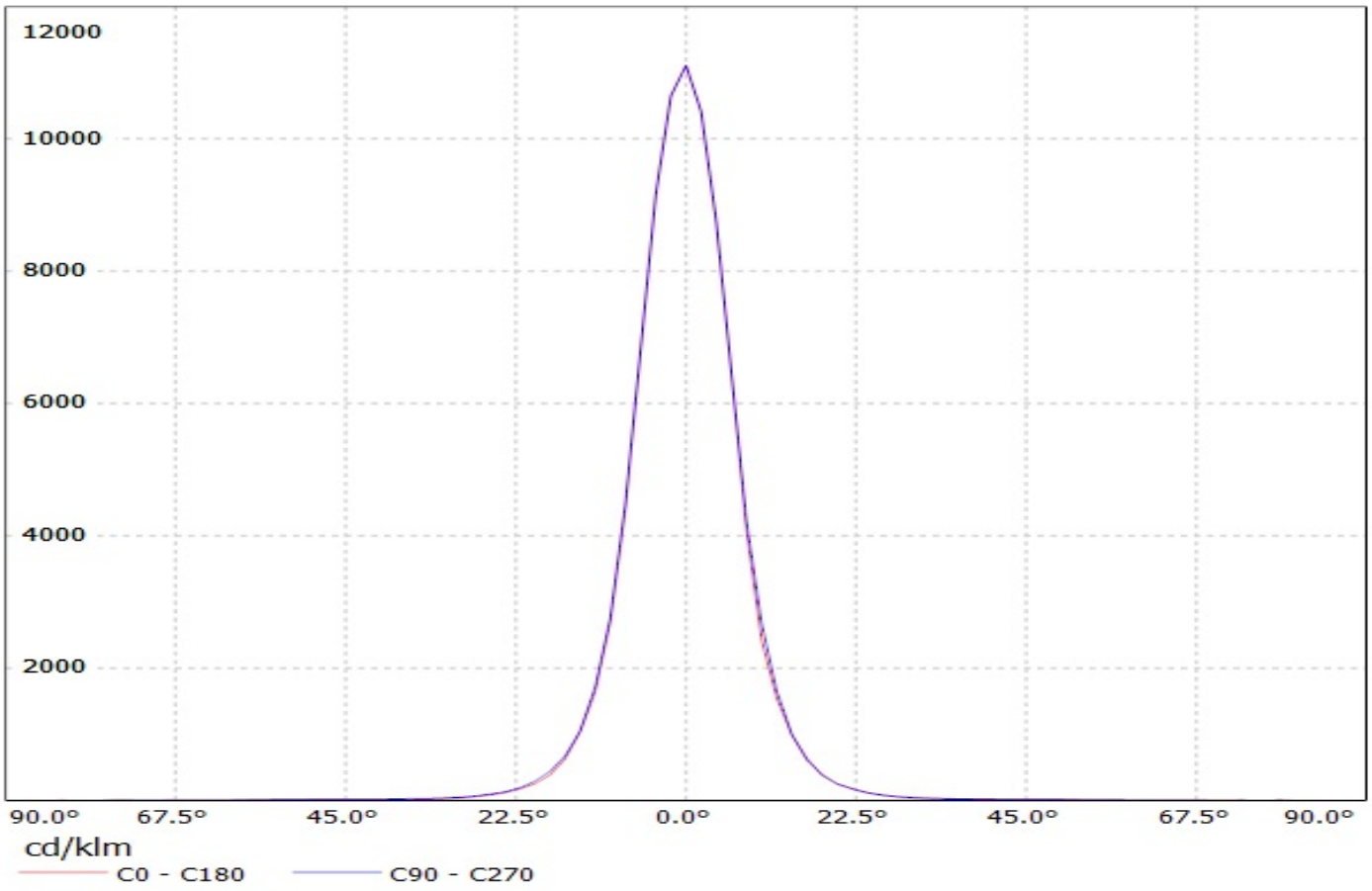


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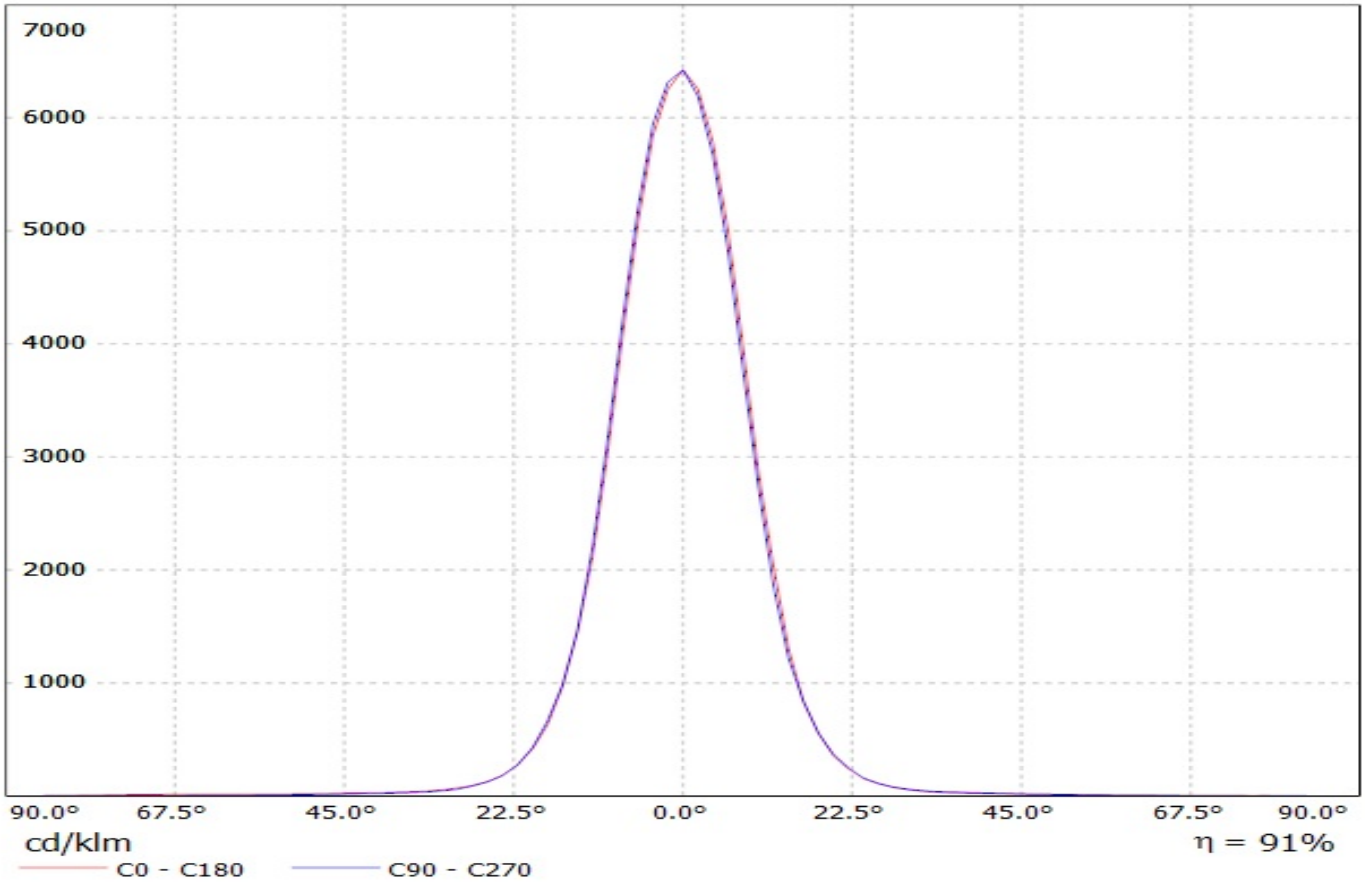
Luminaire: Ledil Oy C10755_Cute-3-M-XP-G C10755_Cute-3-M-XP-G
Lamps: 3 x Cree XP-G (White)



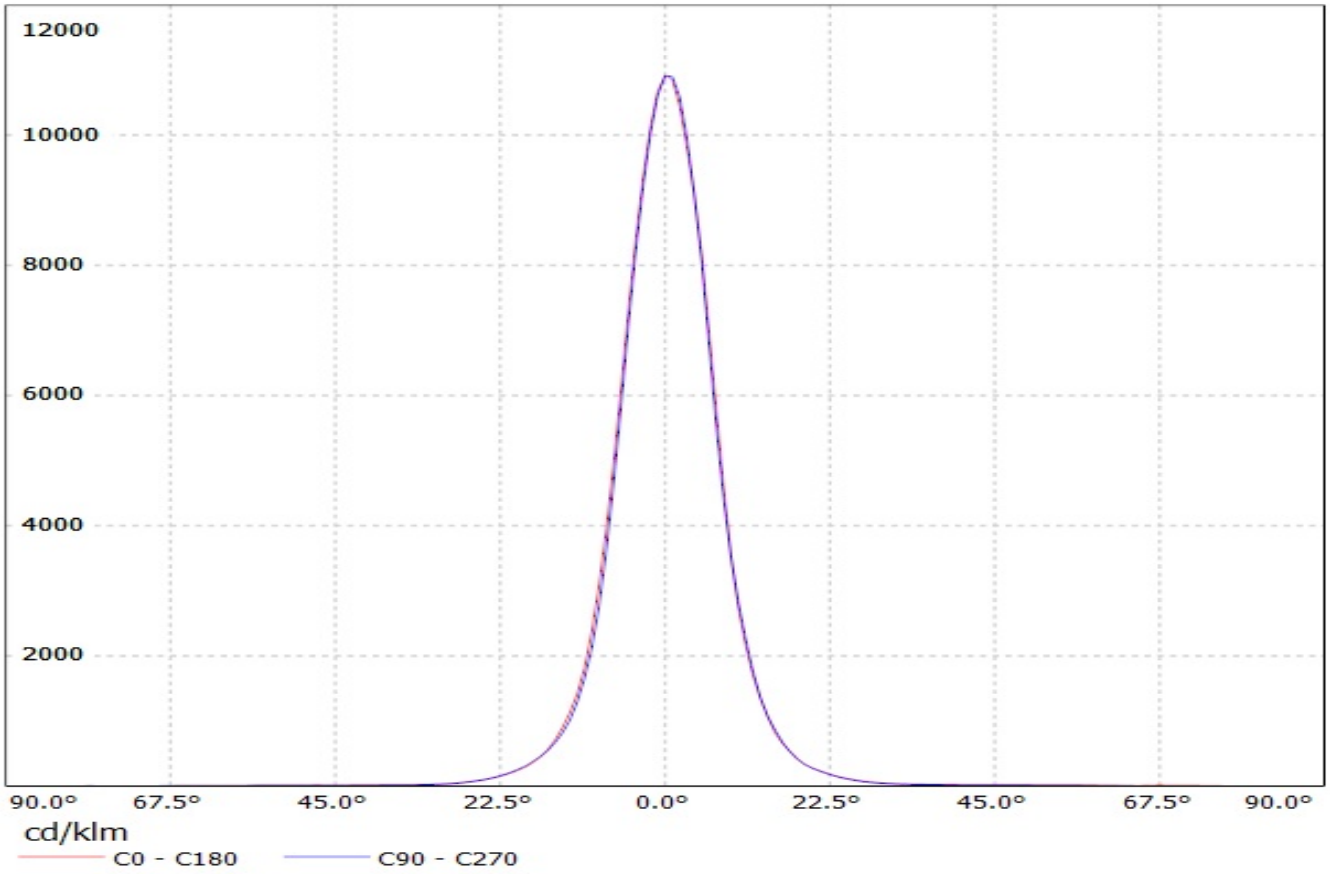
Luminaire: LEDil Oy C10754_CUTE3-SS_(XT-E) Efficiency=88%
Lamps: 1 x CRee XT-E (XTEAWT-00-0000-00000HBE8) 218lm @ 250mA CCT=2800K P=2.2W I=250mA



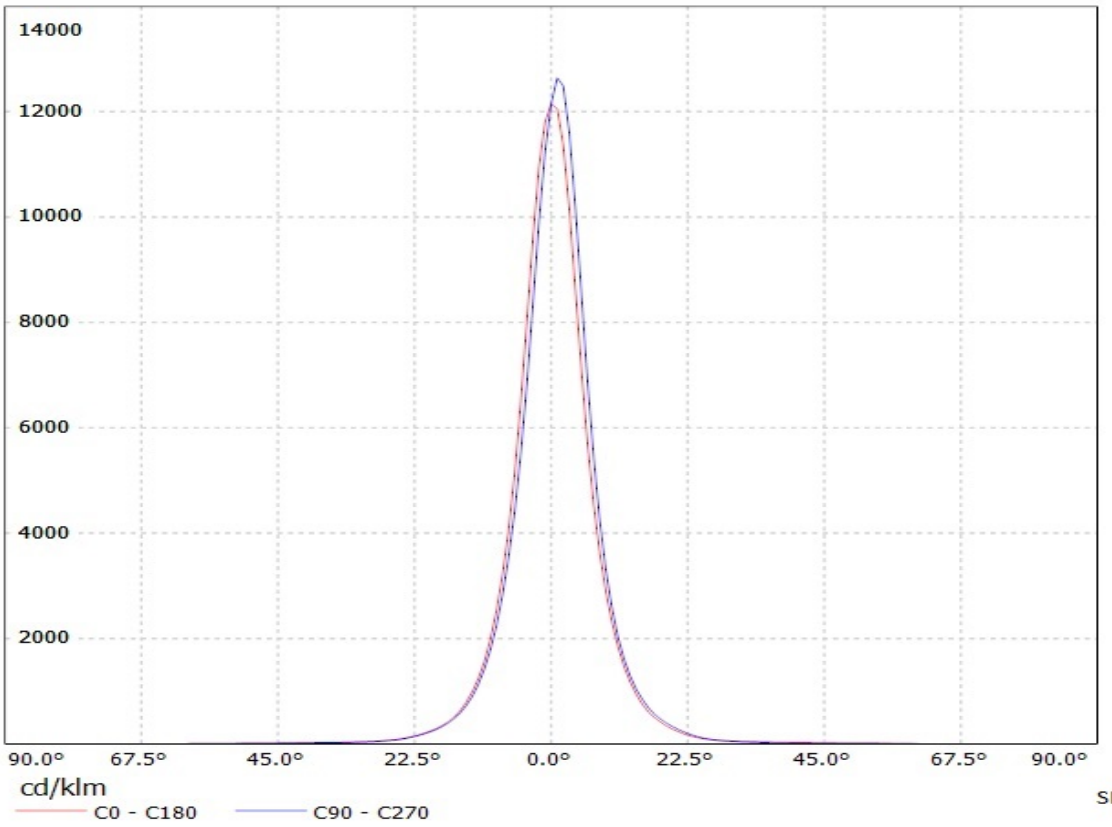
Luminaire: LEDil Oy C10754_CUTE-3-SS_(XM-L2) Efficiency=90%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 268lm @ 250mA CCT=3200K P=2.1W I=250mA



Luminaire: Ledil Oy C10754_Cute-3-SS_(3535_Ceramic_gen2) Efficiency=86%
Lamps: 1 x Lg 3535 Ceramic gen2 (PKG5700K) 343lm @ 250mA CCT=6100K P=2.2W I=250mA

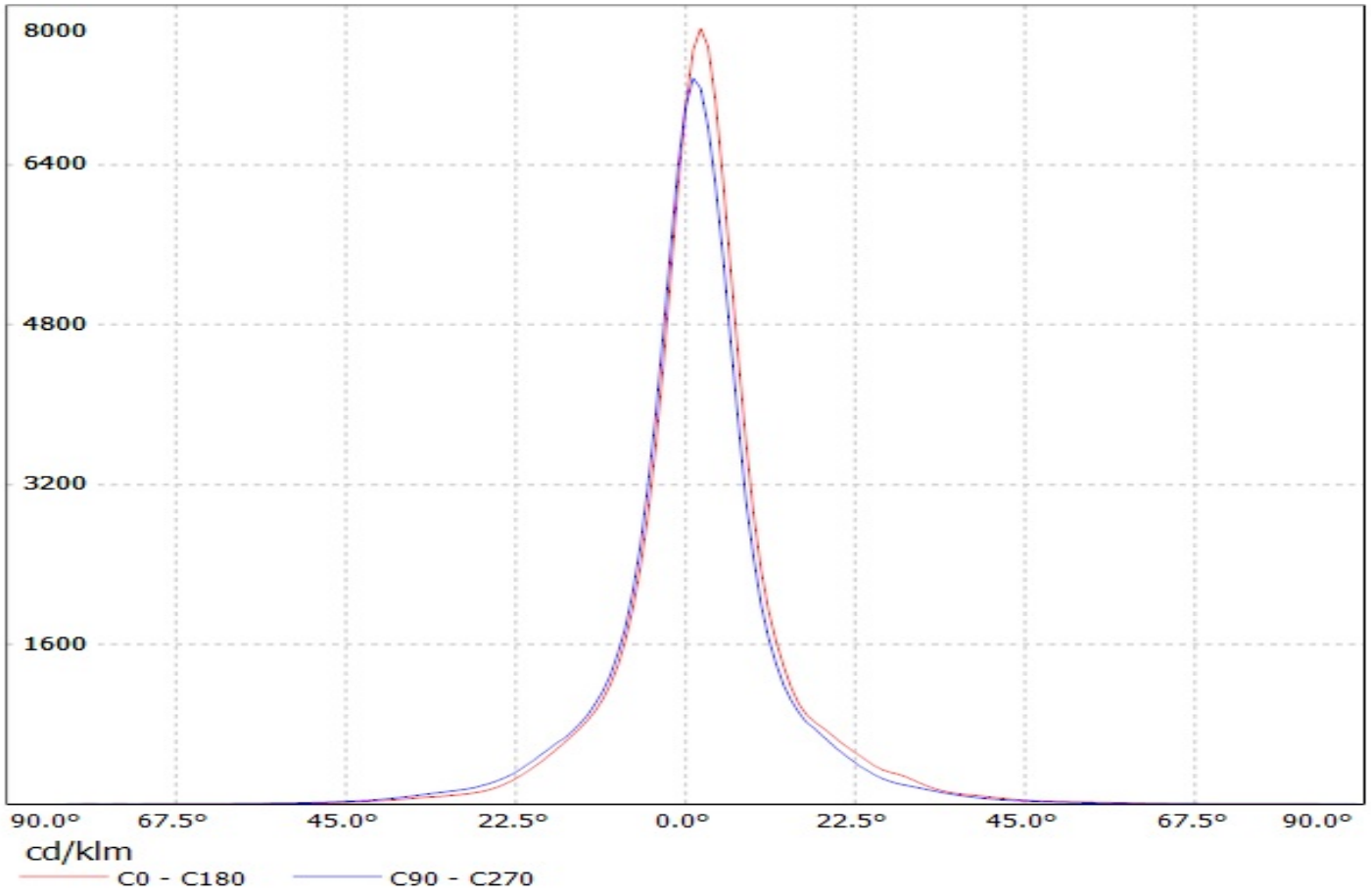


Luminaire: Ledil Oy C10754_Cute-3-SS-RE (Luxeon Rebel) C10754_Cute-3-SS-RE (Luxeon Rebel)
Lamps: 1 x Luxeon Rebel 250mA 255.2lm

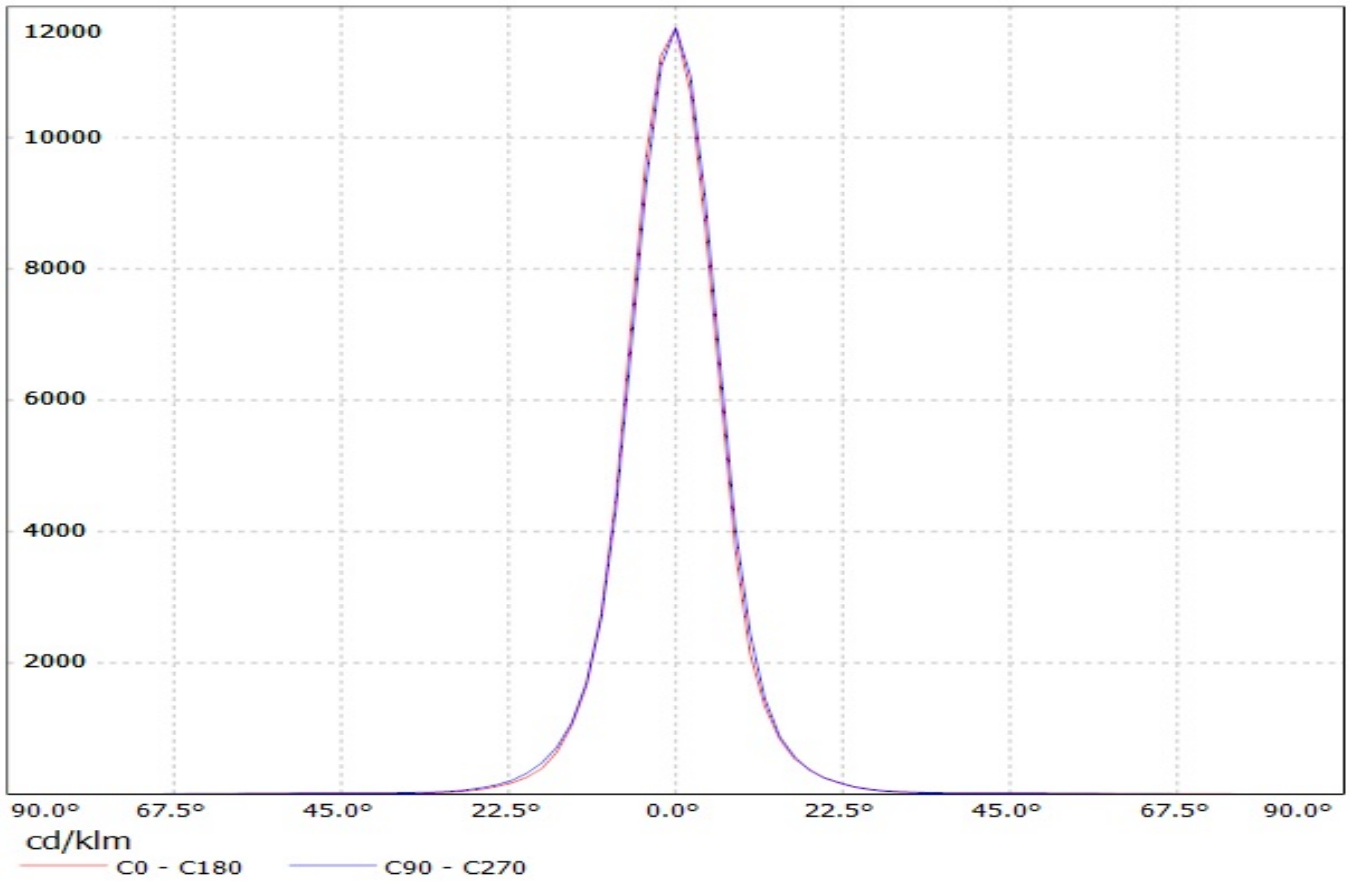


SIMULATED

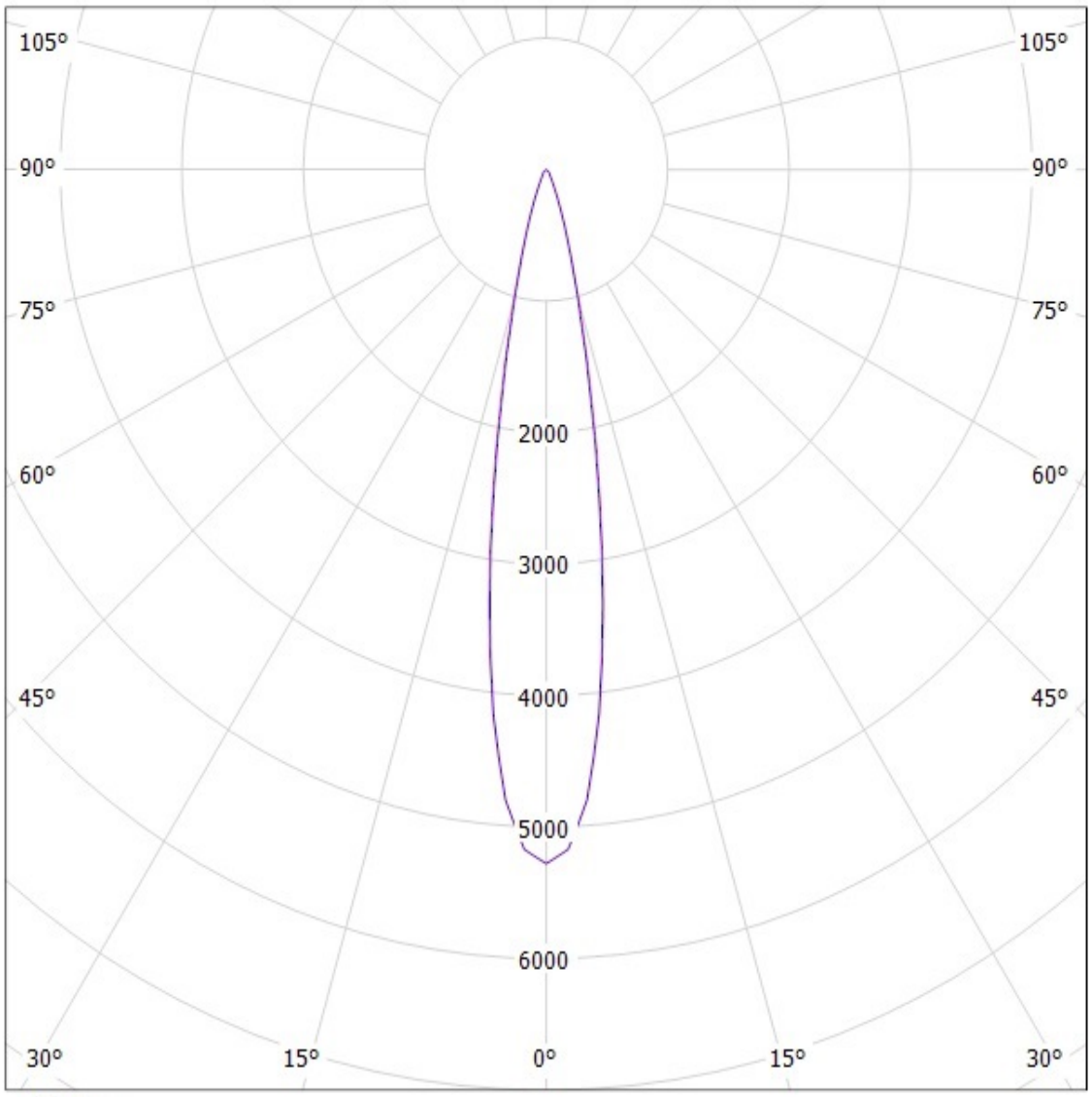
Luminaire: Ledil Oy C10754_CUTE-3-SS (Osram Oslon 150 degree 266Lm @ 250mA)
Lamps: 1 x Osram Oslon 150 degree 266Lm @ 250mA



Luminaire: LEDil Oy C10754_CUTE-3-SS_(Z5M1) Efficiency=88%
Lamps: 1 x Seoul Z5M1 (SZ5-M1-WN-C8) 286lm @ 250mA CCT=4500K P=2.2W I=250mA



Luminaire: Ledil Oy C10755_Cute-3-M-XM C10755_Cute-3-M-XM
Lamps: 1 x Cree XM-L x3

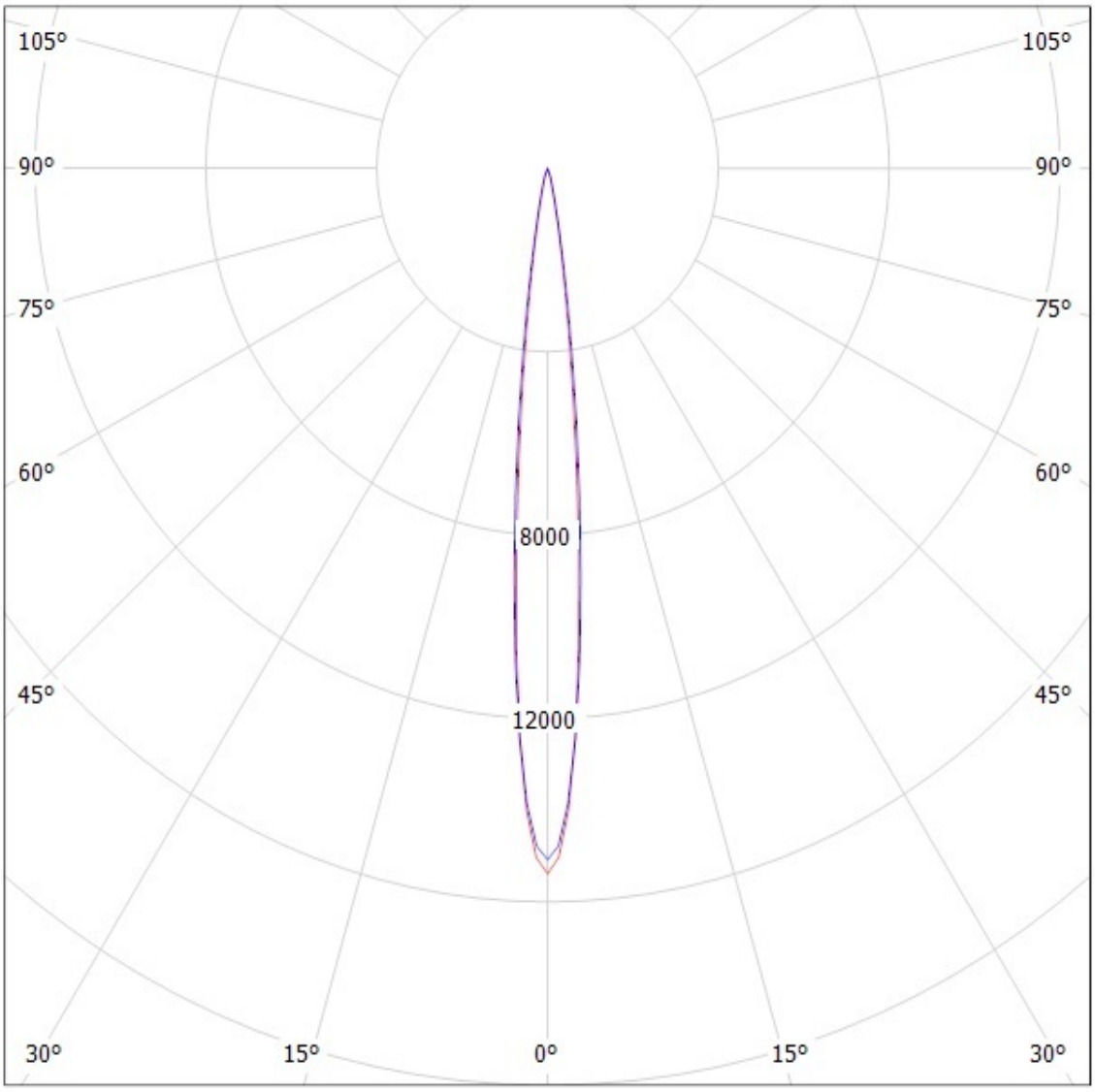


cd/klm

C0 - C180 C90 - C270

SIMULATED

Luminaire: Ledil Oy C10754_Cute-3-SS-XP C10754_Cute-3-SS-XP
Lamps: 3 x Cree XP-E (White)

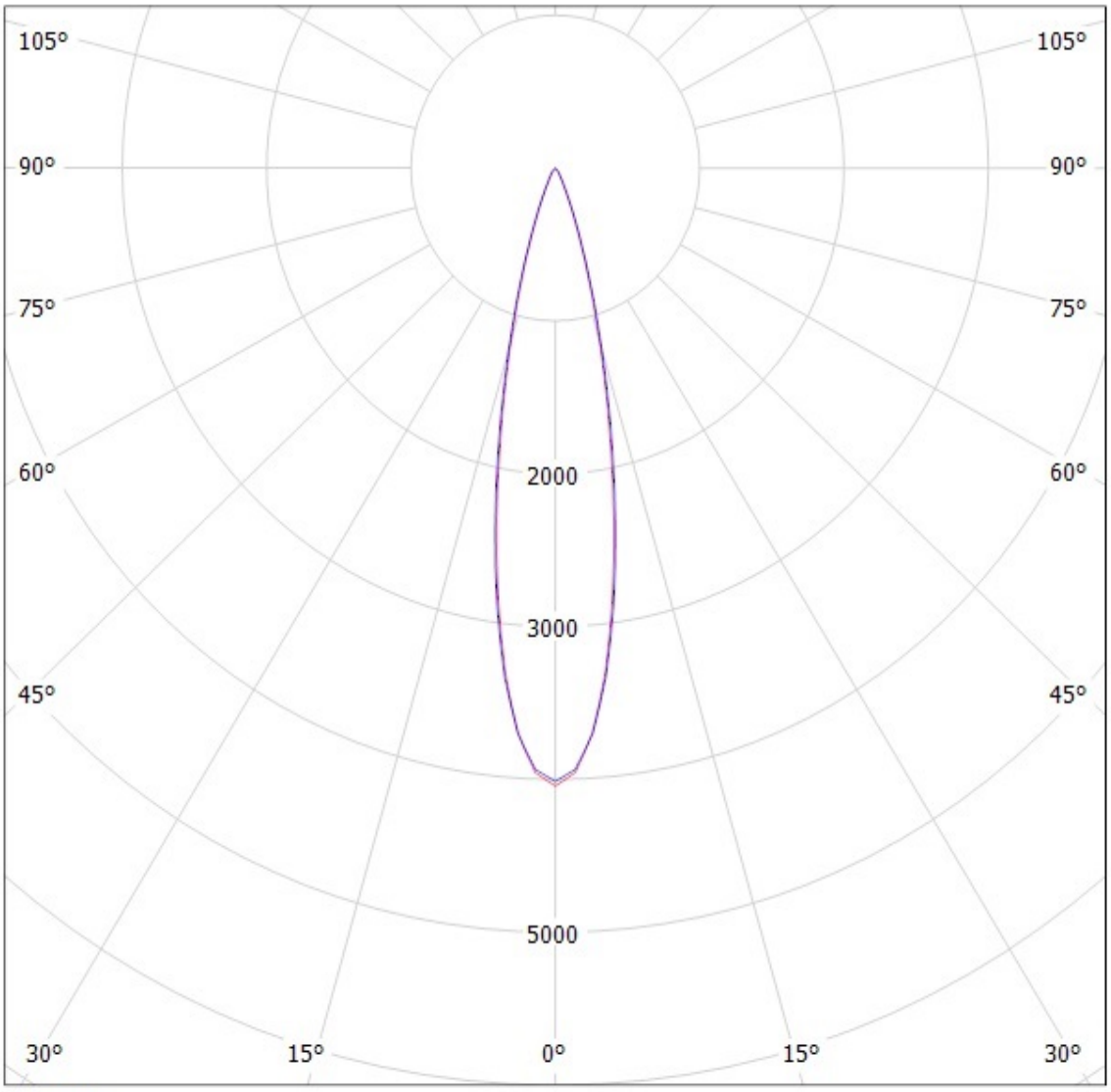


cd/klm

C0 - C180 C90 - C270

SIMULATED

Luminaire: Ledil Oy C10755_Cute-3-M-XP-G C10755_Cute-3-M-XP-G
Lamps: 3 x Cree XP-G (White)

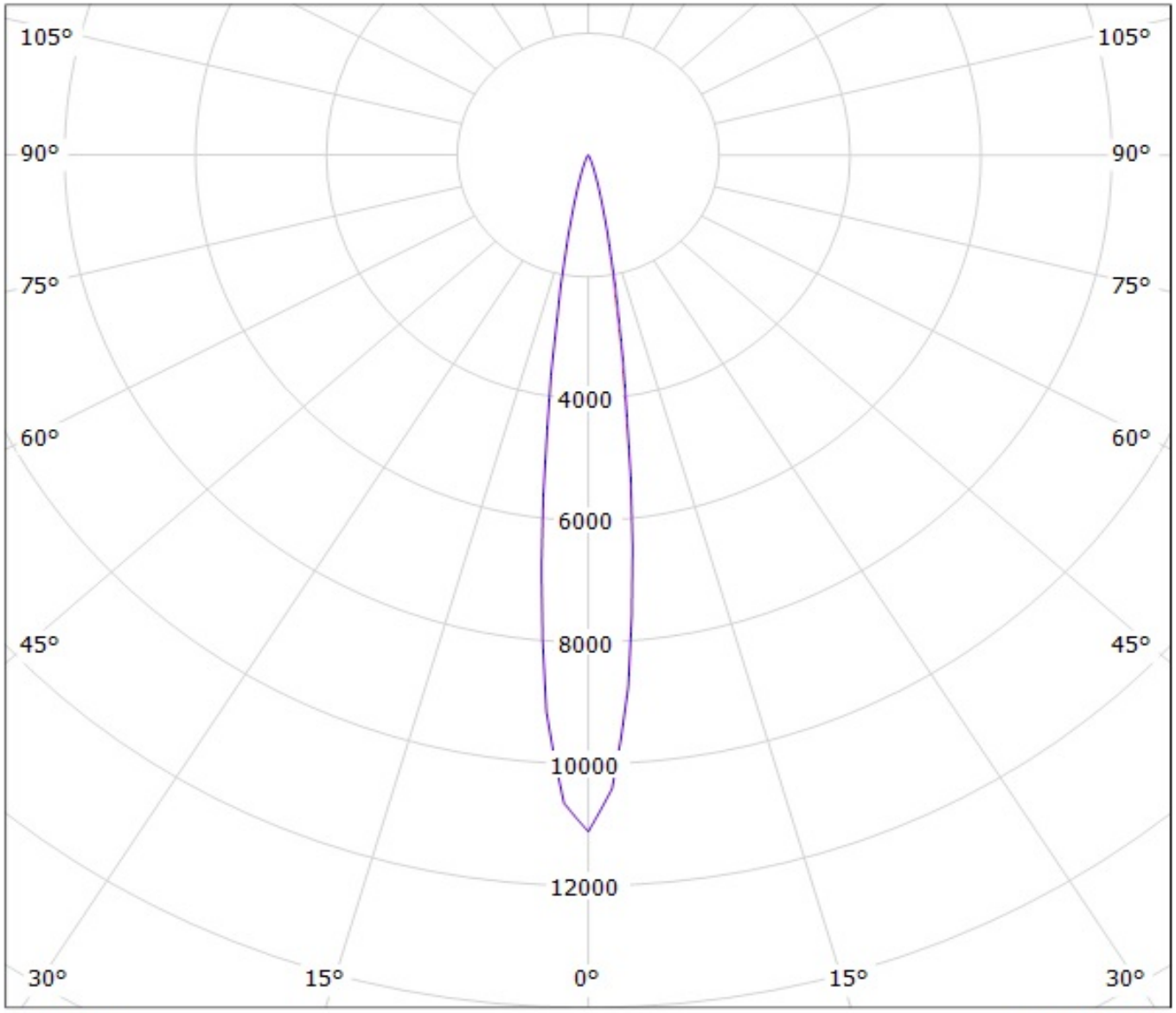


cd/klm

C0 - C180 C90 - C270

SIMULATED

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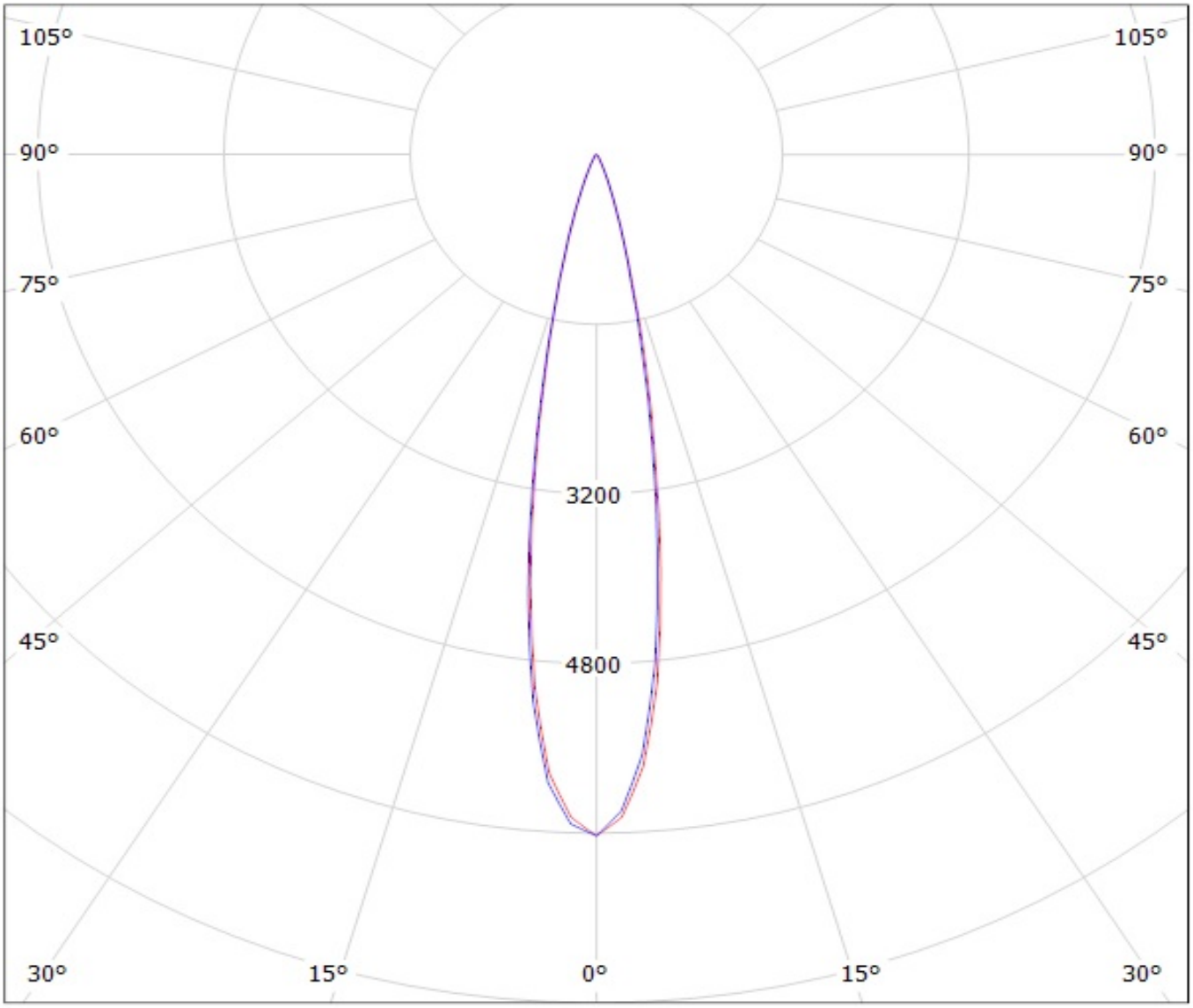


cd/klm

η = 90%

C0 - C180 C90 - C270

Luminaire: LEDil Oy C10754_CUTE-3-SS_(XM-L2) Efficiency=90%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 268lm @ 250mA CCT=3200K P=2.1W I=250mA

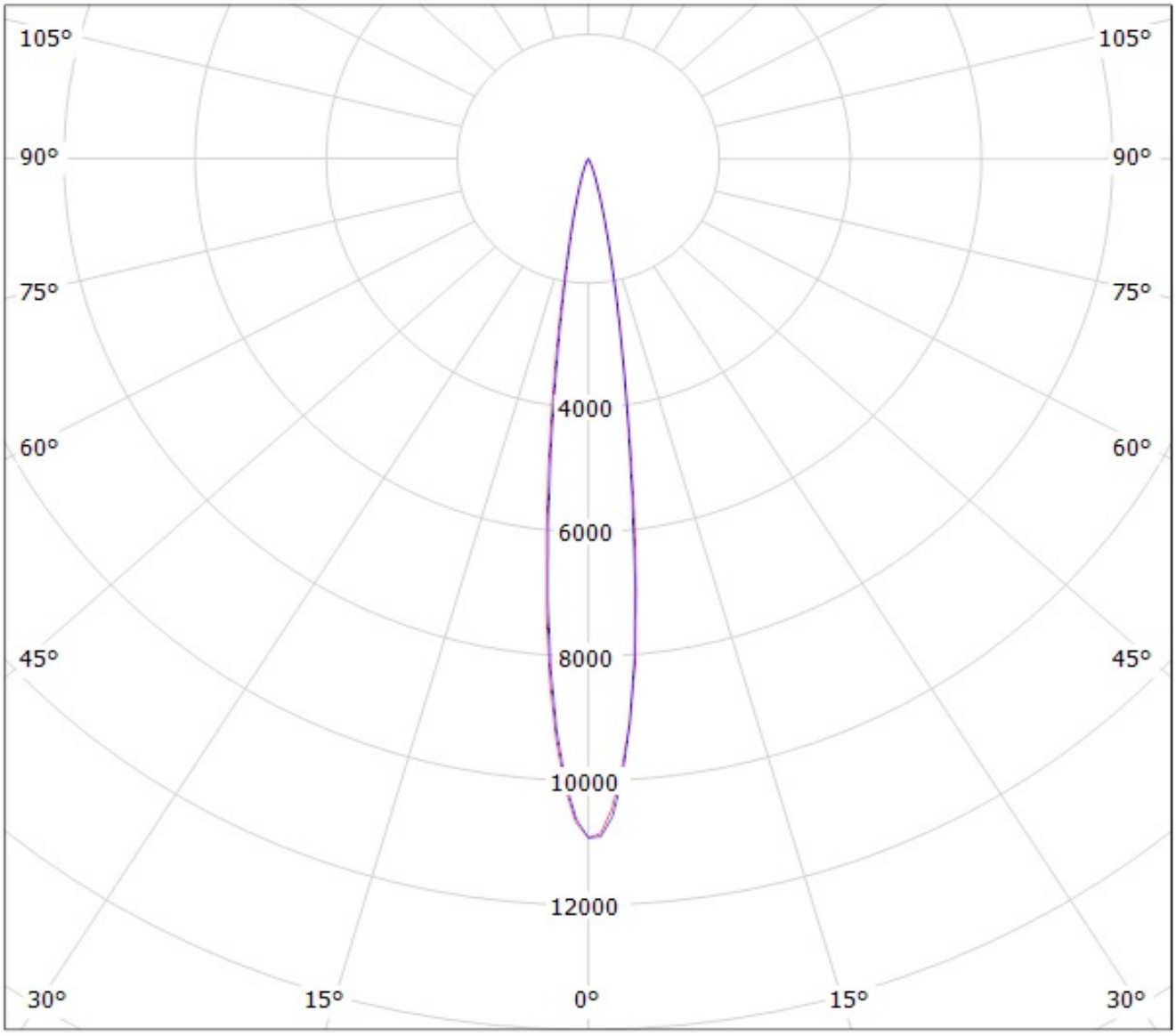


cd/klm

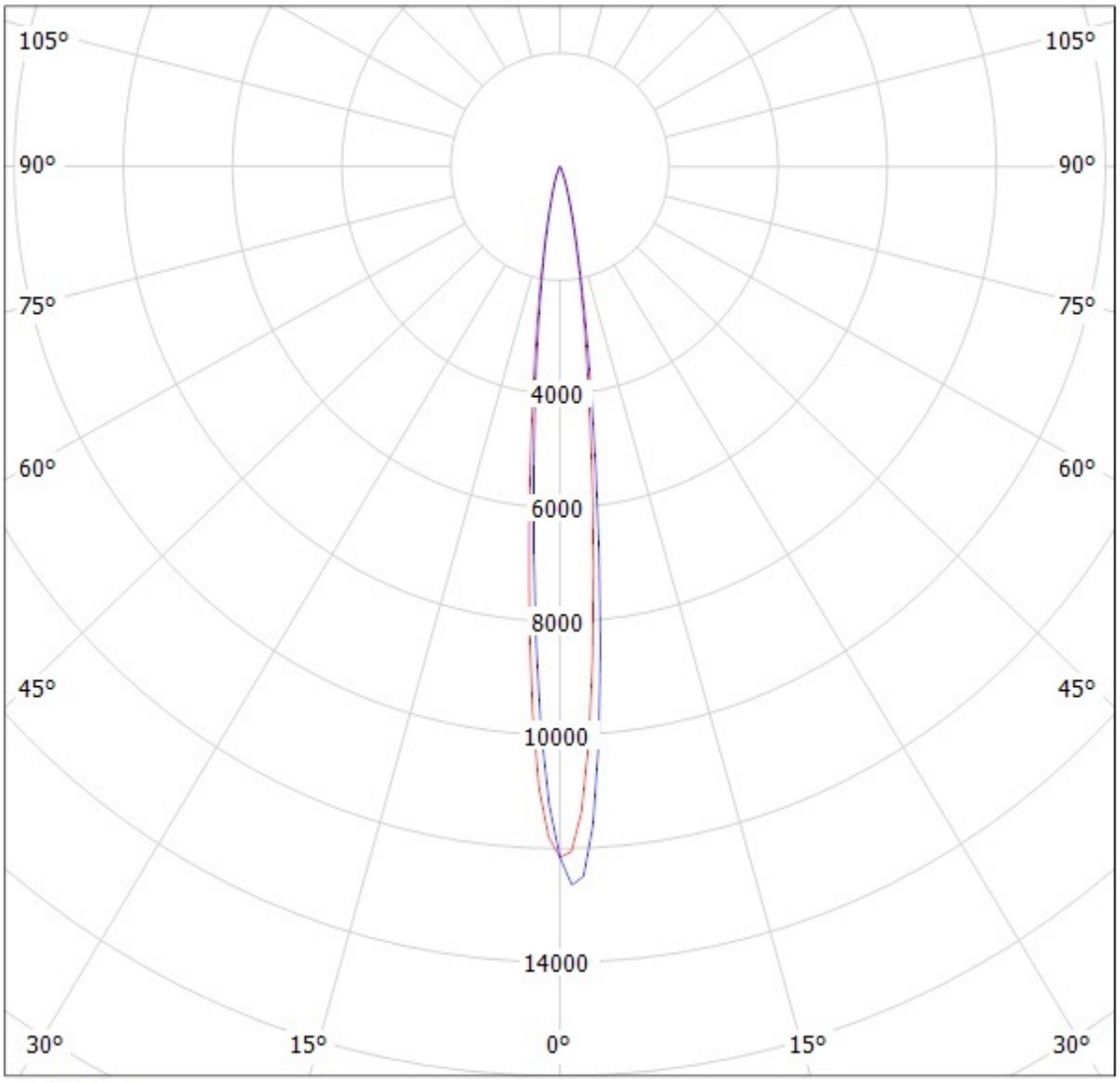
η = 91%

C0 - C180 C90 - C270

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Luminaire: Ledil Oy C10754_Cute-3-SS-RE (Luxeon Rebel) C10754_Cute-3-SS-RE (Luxeon Rebel)
Lamps: 1 x Luxeon Rebel 250mA 255.2lm

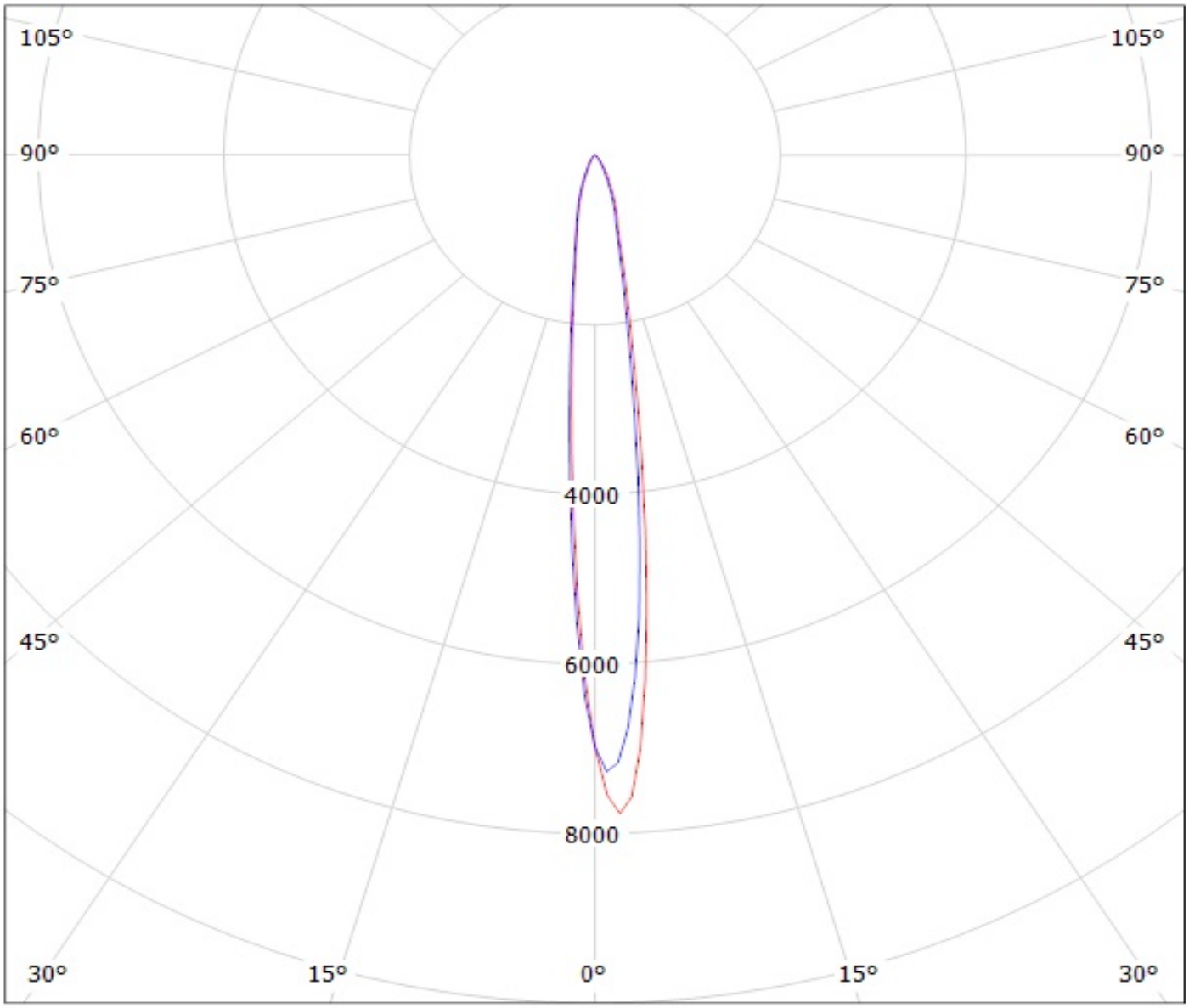


cd/klm

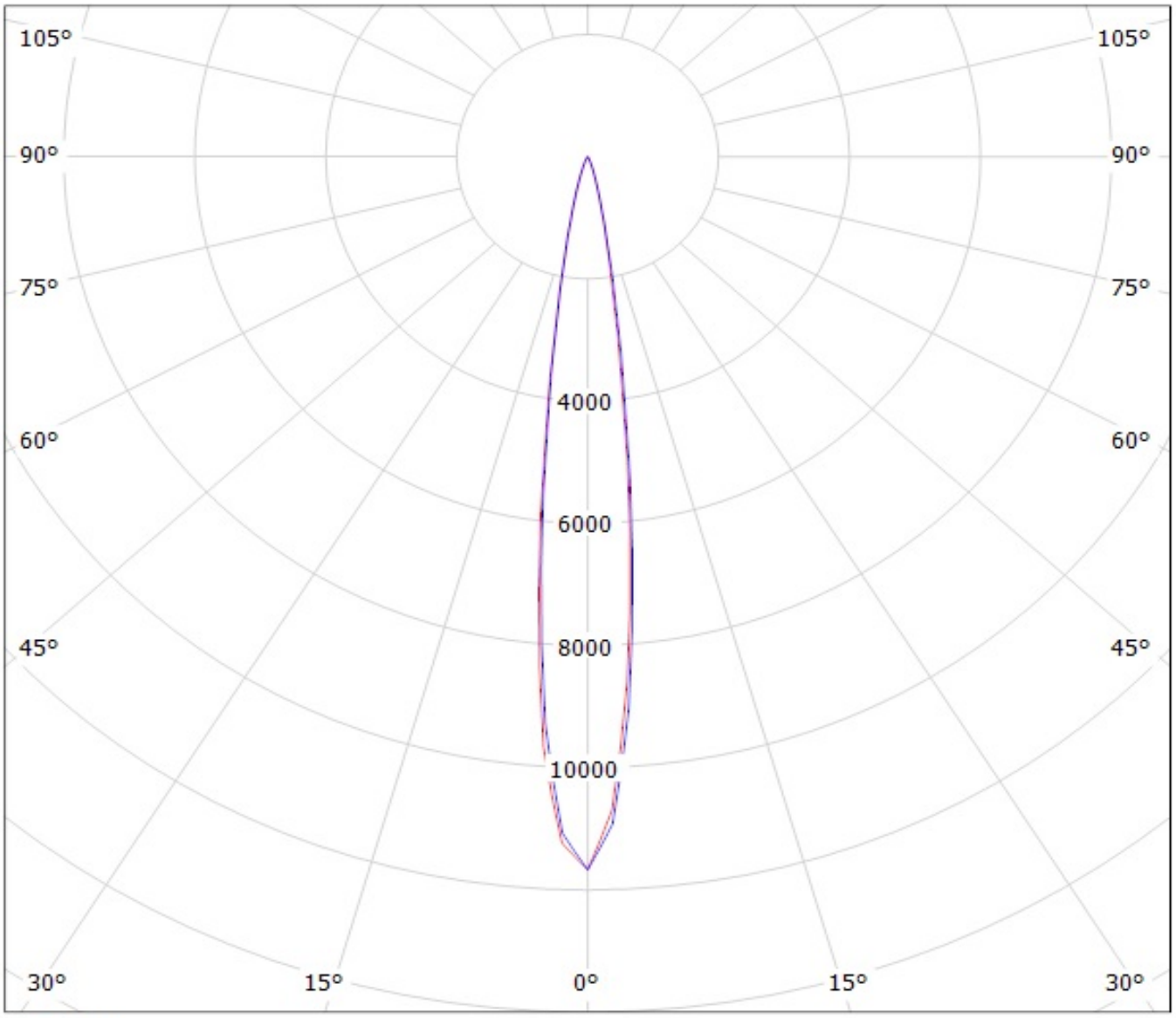
C0 - C180 C90 - C270

SIMULATED

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Lamps: 1 x Osram Oslon 150 degree 266Lm @ 250mA



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Lamps: 1 x Seoul Z5M1 (SZ5-M1-WN-C8) 286lm @ 250mA CCT=4500K P=2.2W 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.