PRODUCT DATASHEET
Eva series
last update 6/11/2015

DETAILS



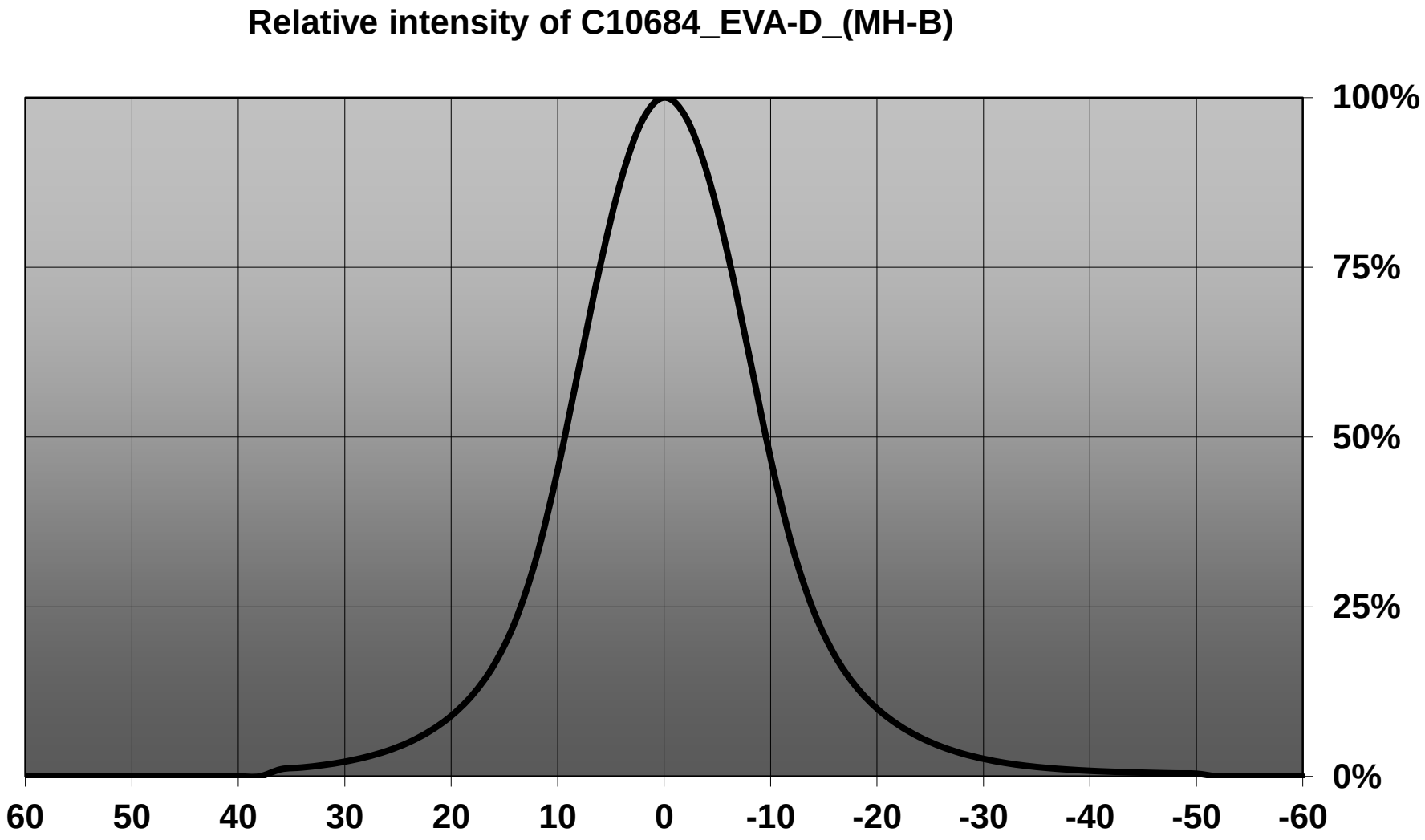
Product Number	C10684_EVA-D
Family	Eva
Type	Lens
Color	clear
Diameter	35 mm
Height	16,4 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	
Status	production ready
ROHS Comliant	Yes
Date Updated	6/11/2015

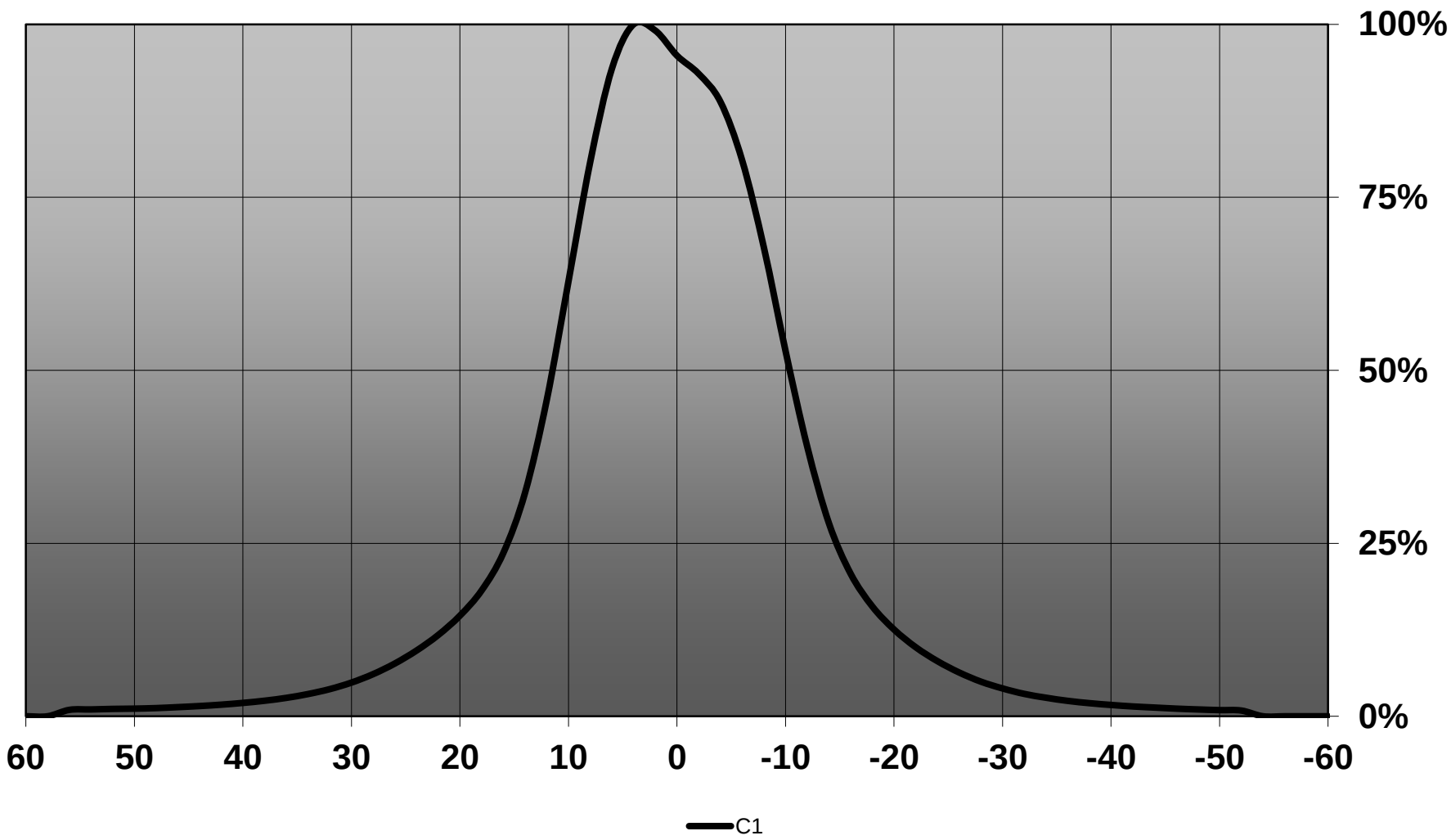
OPTICAL PROPERTIES

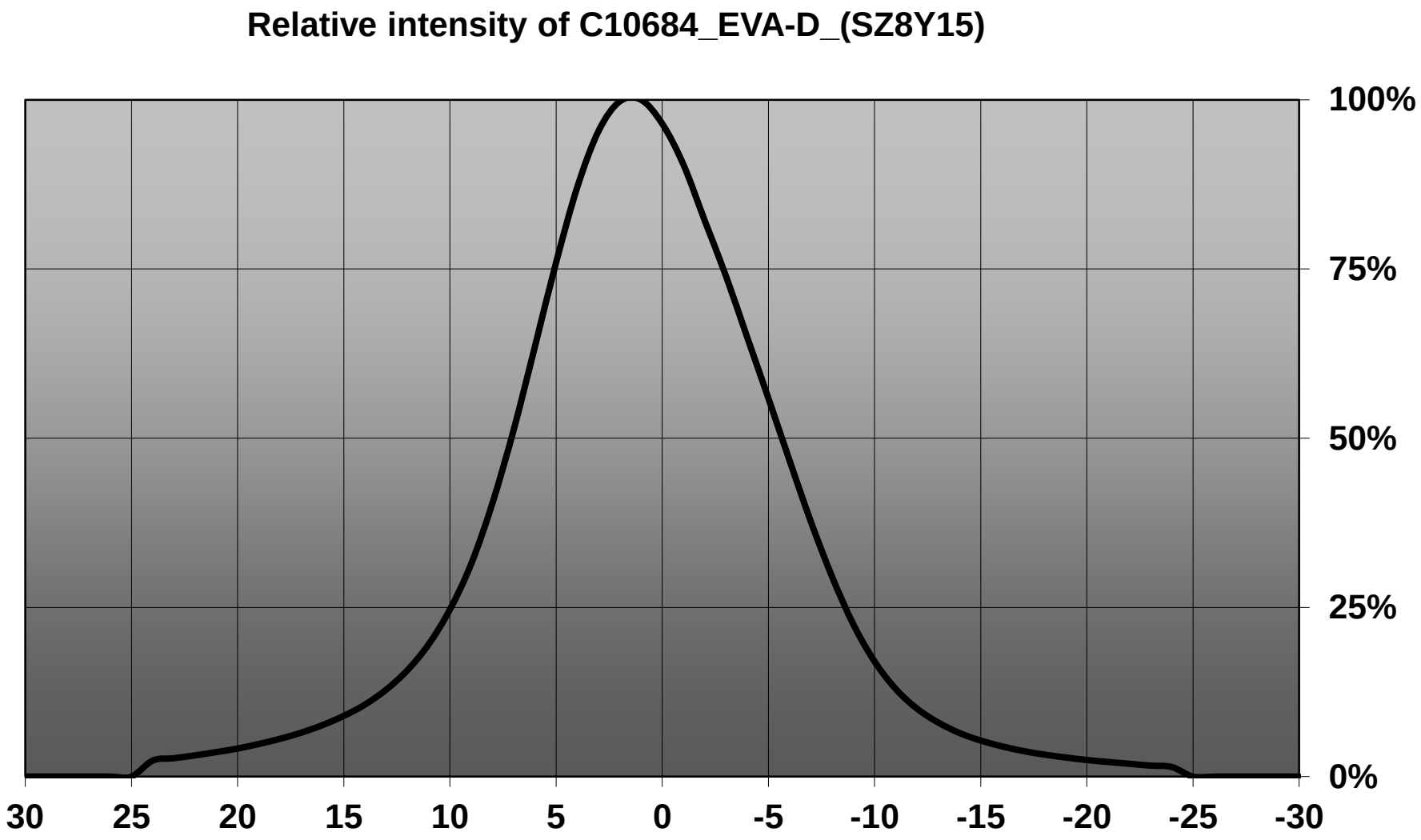
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
MC-E	16 deg	Diffuser	92 %	6.000	-
XM-L	16 deg	Diffuser	91 %	-	-
XT-E	14 deg	Diffuser	-	7.500	-
XP-G2	16 deg	Diffuser	87 %	-	-
MHB-A/B	19 deg	Diffuser	83 %	5.400	-
XHP35 HI	22 deg	Diffuser	79 %	3.900	-
LUXEON M/MX	21 deg	Diffuser	90 %	4.200	-
LUXEON MZ	16 deg	Diffuser	88 %	7.800	-
LUXEON 5258	sim: 17	Diffuser	sim: 92 %	sim: 8.600	-
LUXEON 5050	18 deg	Diffuser	91 %	6.400	-
NS9x383	16 deg	Diffuser	89 %	6.800	-
NSMx286M	20 deg	Diffuser	91 %	4.400	-
Duris S8	18 deg	Diffuser	84 %	6.200	-
Duris P10	sim: 20	Diffuser	sim: 94 %	sim: 6.850	-
Z8Y15	13 deg	Diffuser	86 %	11.530	-
Z8Y19	13 deg	Diffuser	87 %	11.000	-

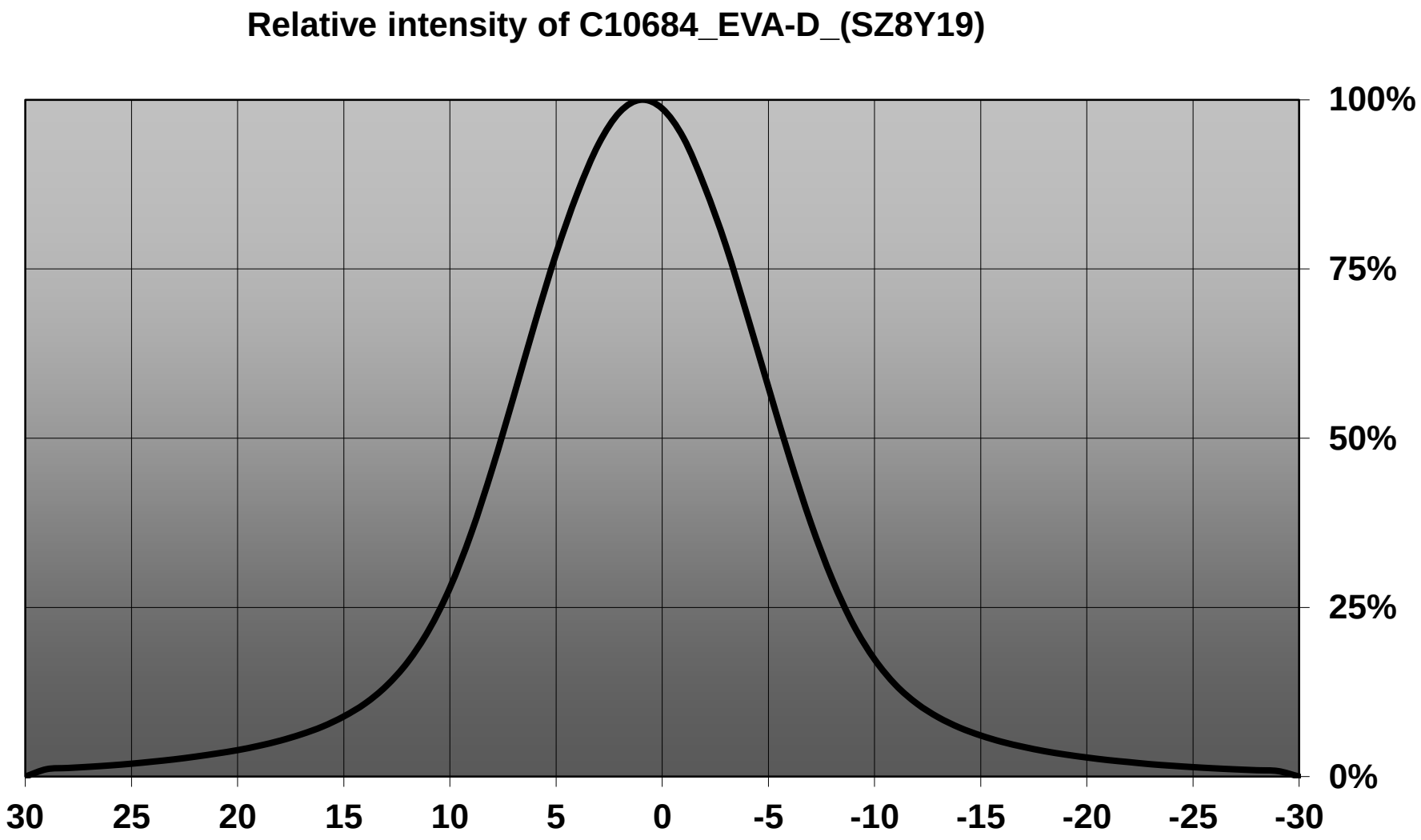
Ledil Oy
Salorankatu 10
24240 SALO, Finland

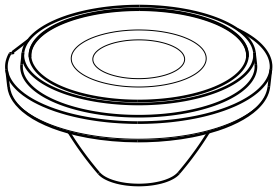
http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001


Relative intensity of C10684_EVA-D_(MH-B)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60

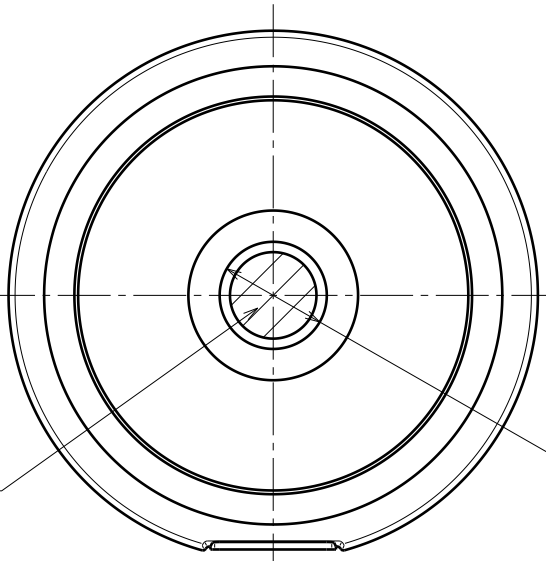

Relative intensity of C10684_EVA-D_(XHP35_HI)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
C1

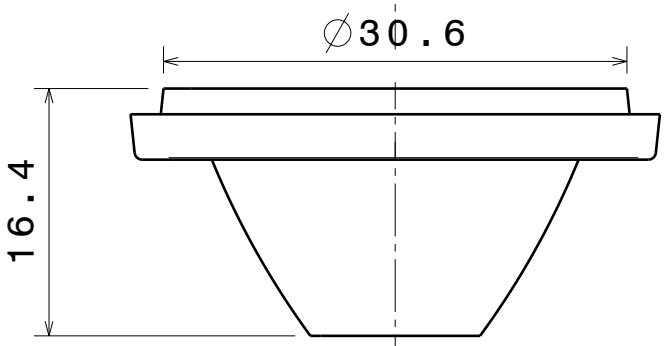

Relative intensity of C10684_EVA-D_(SZ8Y15)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30

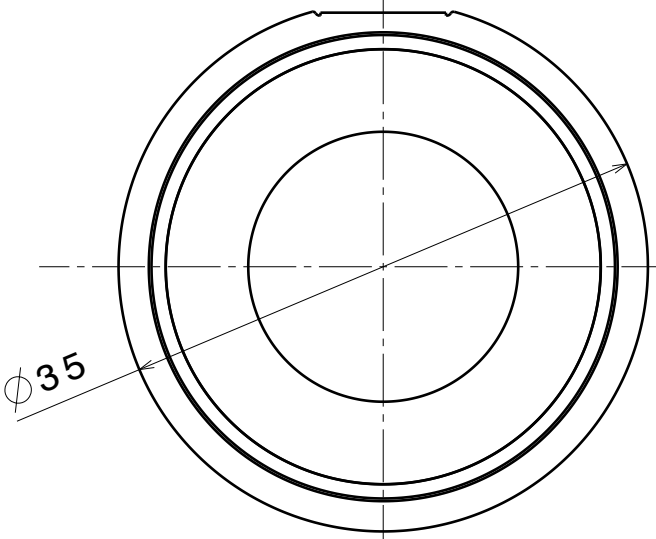

Relative intensity of C10684_EVA-D_(SZ8Y19)
100%
75%
50%
25%
0%
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30



Isometric 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

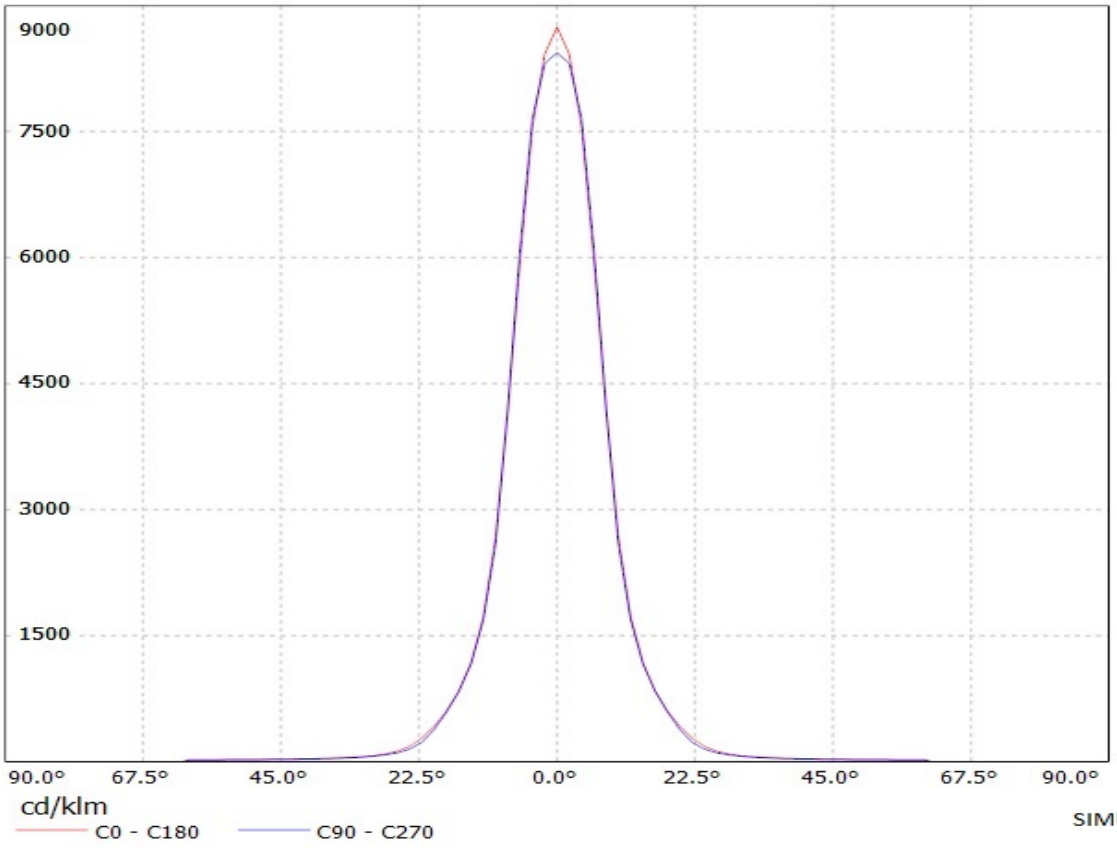
Raw material(s):
PMMA 8N

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Ledil Oy
Salorankatu 10
24100 SALO
Finland

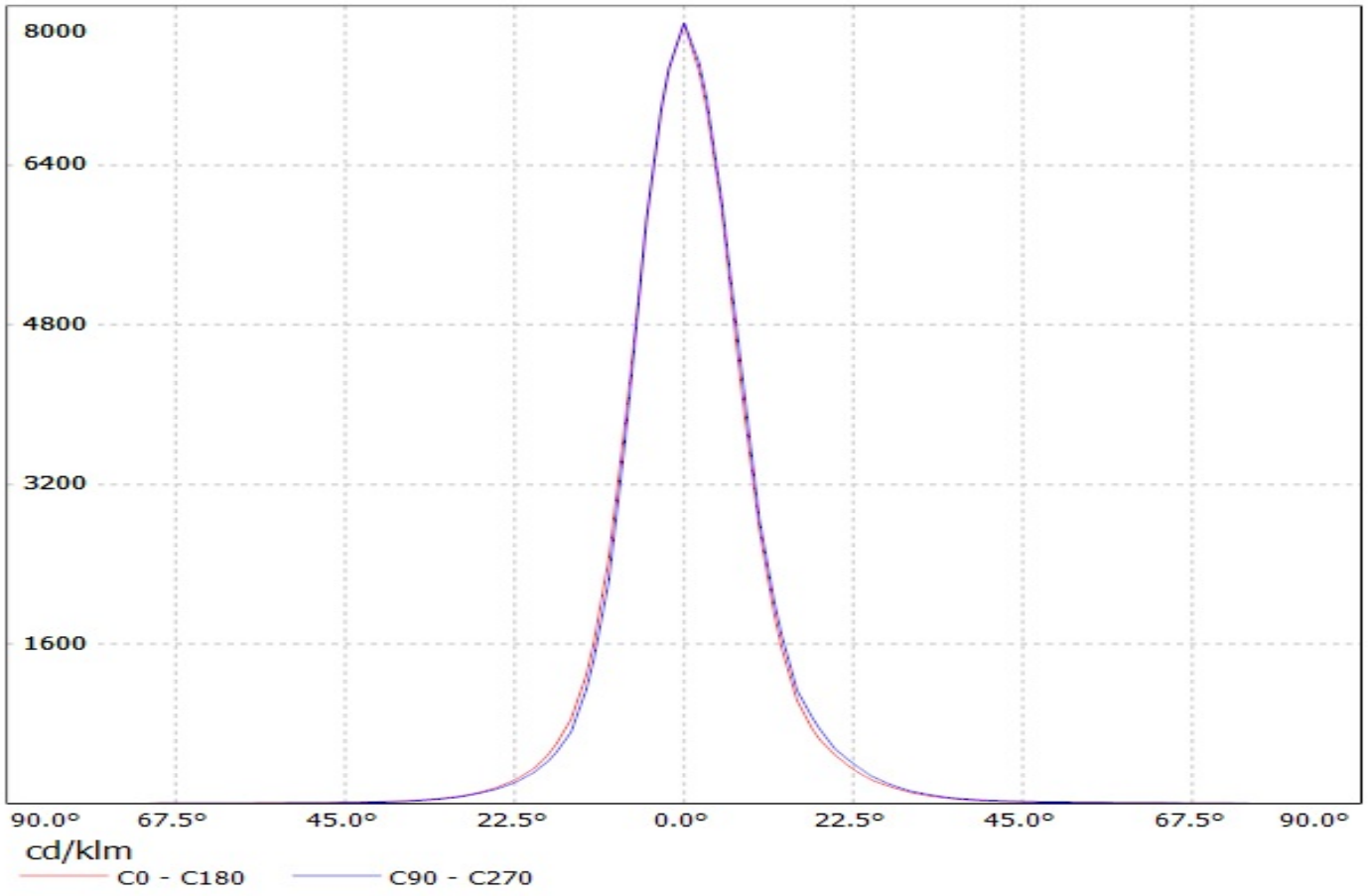
DRAWN BY: ah	DATE: 1.3.2013	DRAWING TITLE: Datasheet Eva D Lens			
CHECKED BY	DATE	SIZE: A4	DRAWING NUMBER: 11677		REV: 2
DESIGNED BY: HH	DATE: 26.08.2008	SCALE: 2:1	WEIGHT(g)		SHEET: 1/1

Luminaire: Ledil Oy EVA-D EVA-D
Lamps: 1 x Cree MC-E (white)

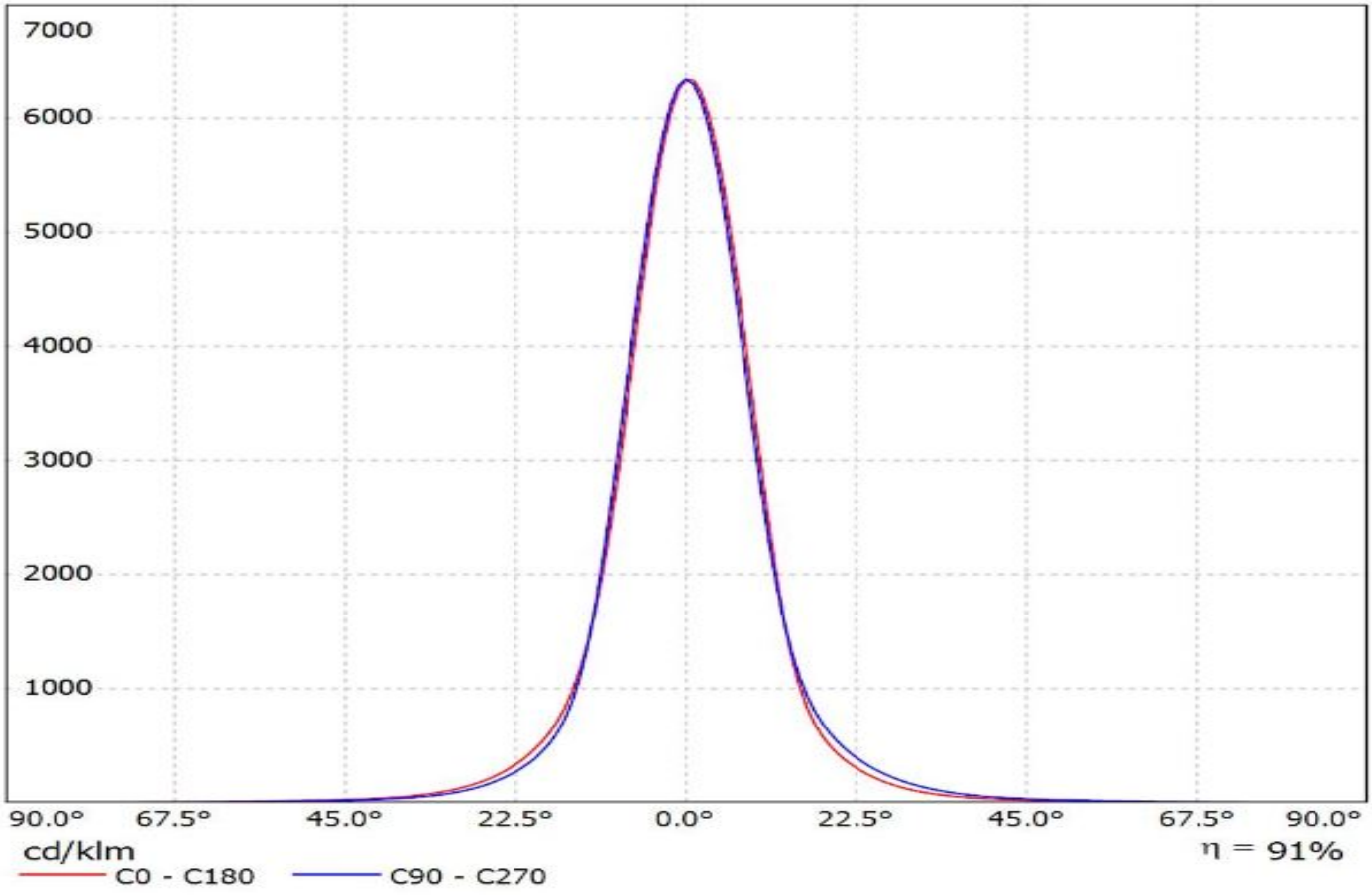


SIMULATED

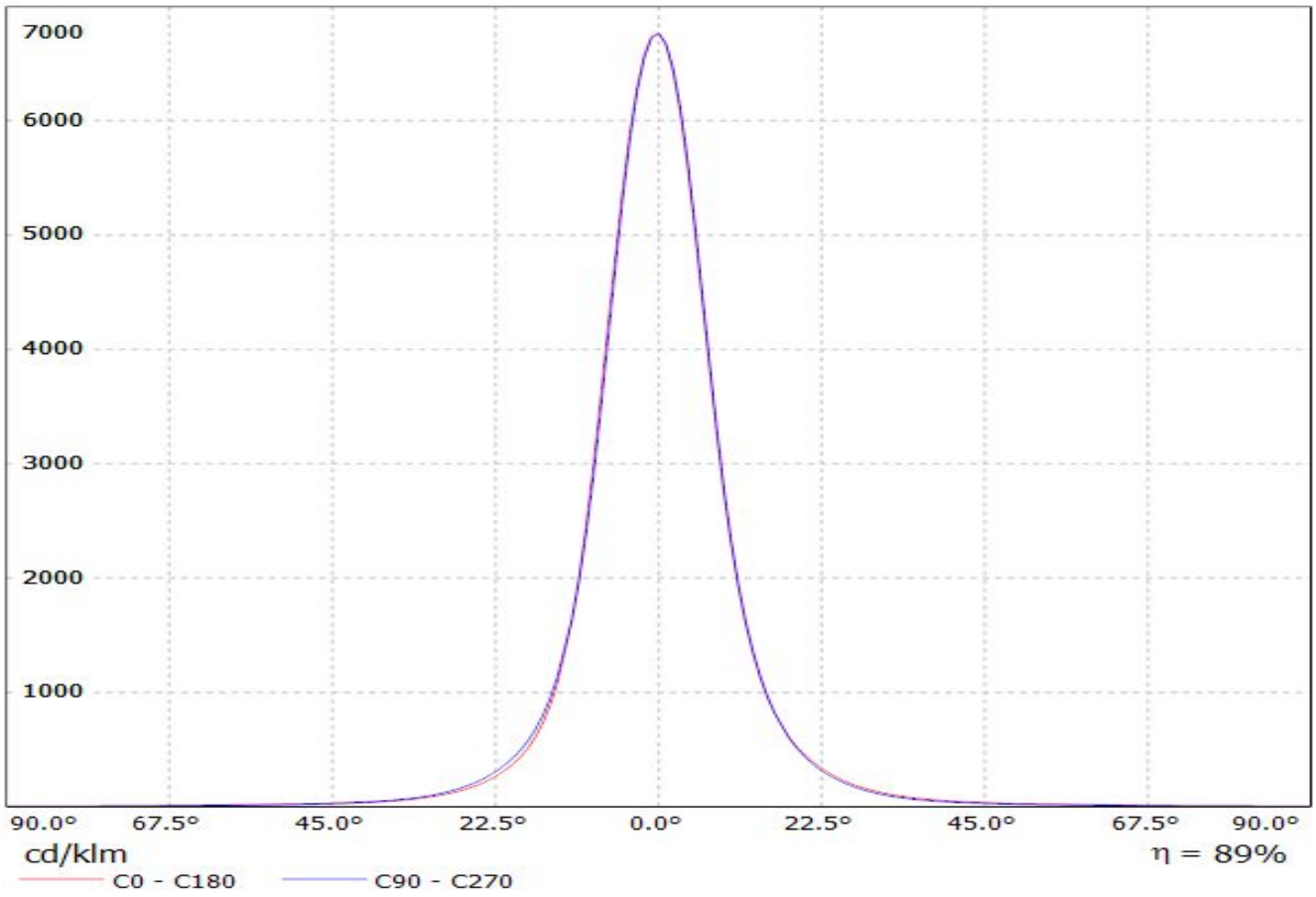
Luminaire: LEDII OY C10684_EVA-D_(Luxeon_MZ) Efficiency=88%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



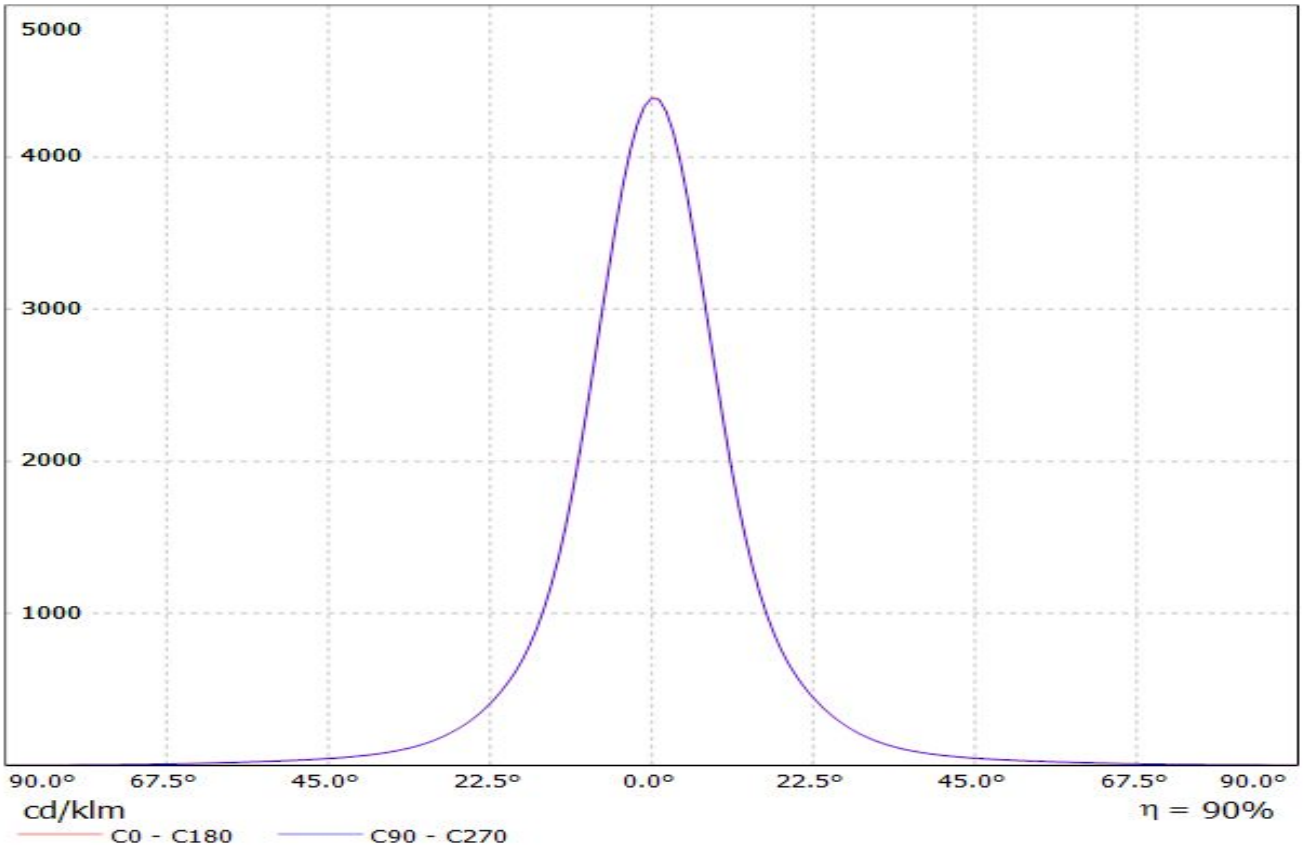
Luminaire: LEDiL Oy C10684_EVA-D_(Luxeon_5050)
Lamps: 1 x Luxeon_5050_316.623lm@80mA_CCT=5700K_P=1.82294W_I=0.080A_70CRI



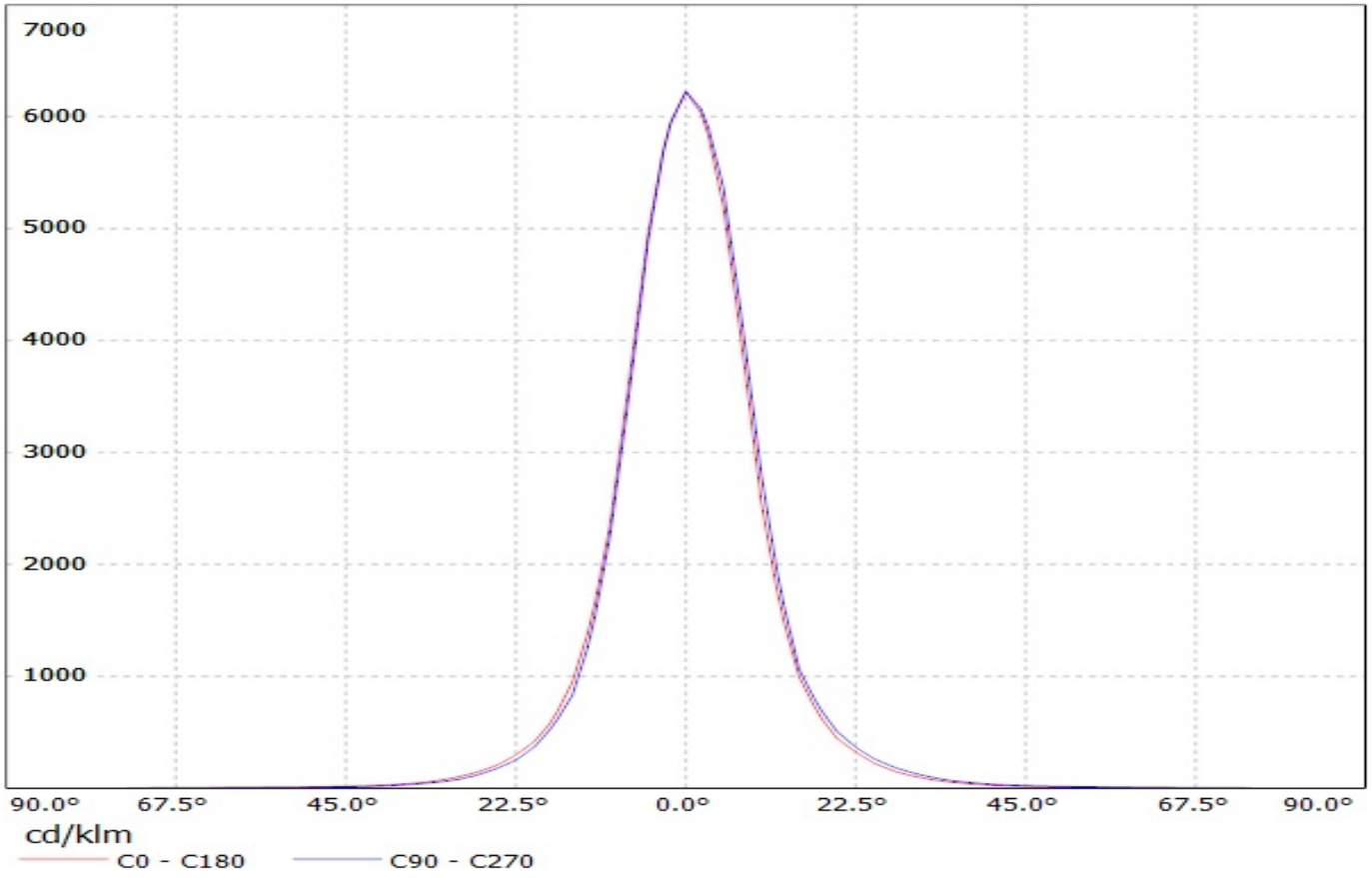
Luminaire: LEDiL Oy C10684_EVA-D_(NS9x383) Eff. 89,4%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



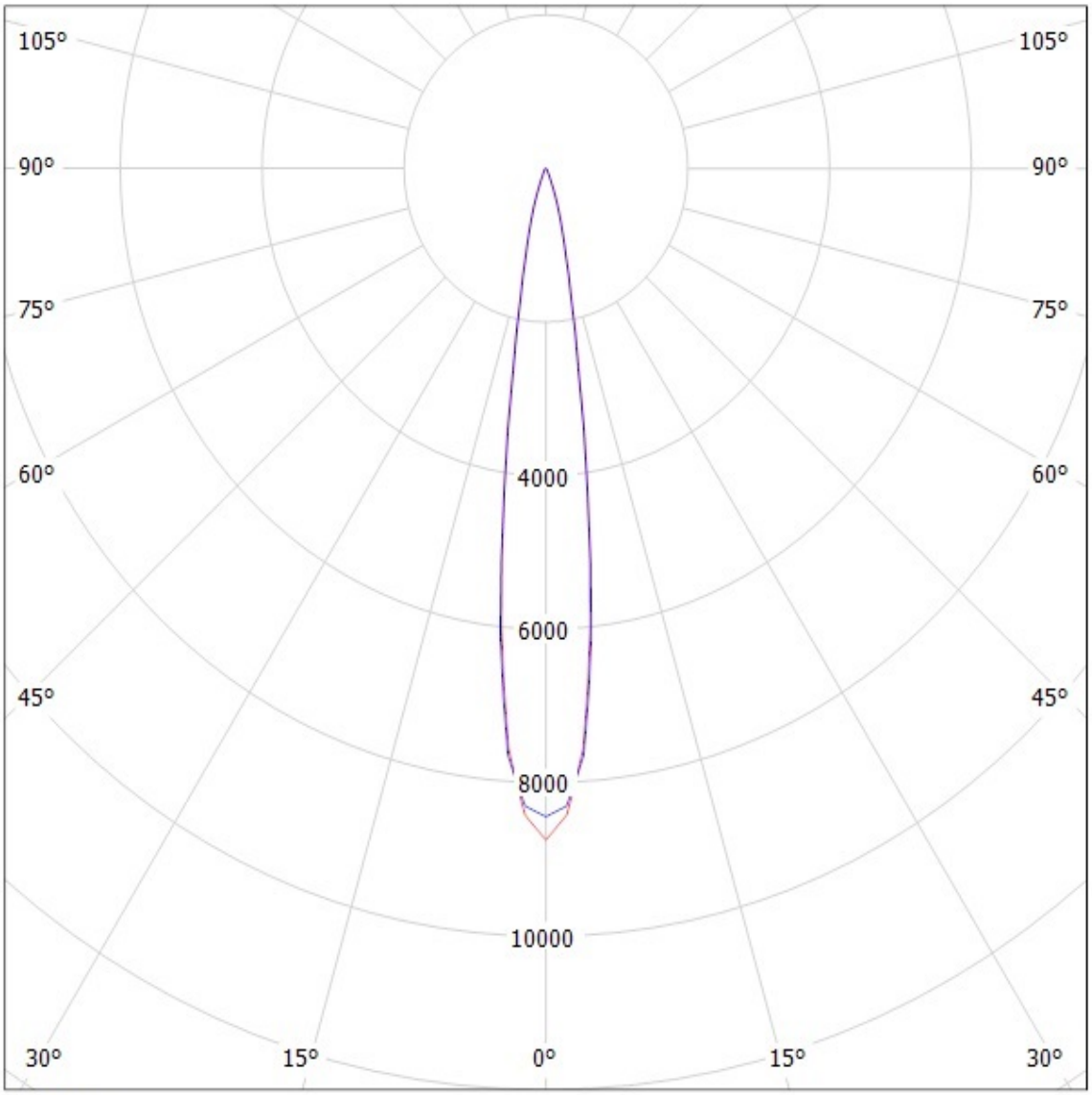
Luminaire: LEDiL Oy C10684_EVA-D_(NICHIA_286) Eff.91%
Lamps: 1 x NICHIA_286_(NSML286ME) 322.274lm@100mA CCT=3000K P=3.42532W I=100.1mA



Luminaire: LEDil Oy C10684_EVA-D_(DURIS_S8) Efficiency=84%
Lamps: 1 x Osram DURIS S8 (GW P9LMS1.EC) 192lm @ 100mA CCT=2900K P=1.8W I=100mA



Luminaire: Ledil Oy EVA-D EVA-D
Lamps: 1 x Cree MC-E (white)

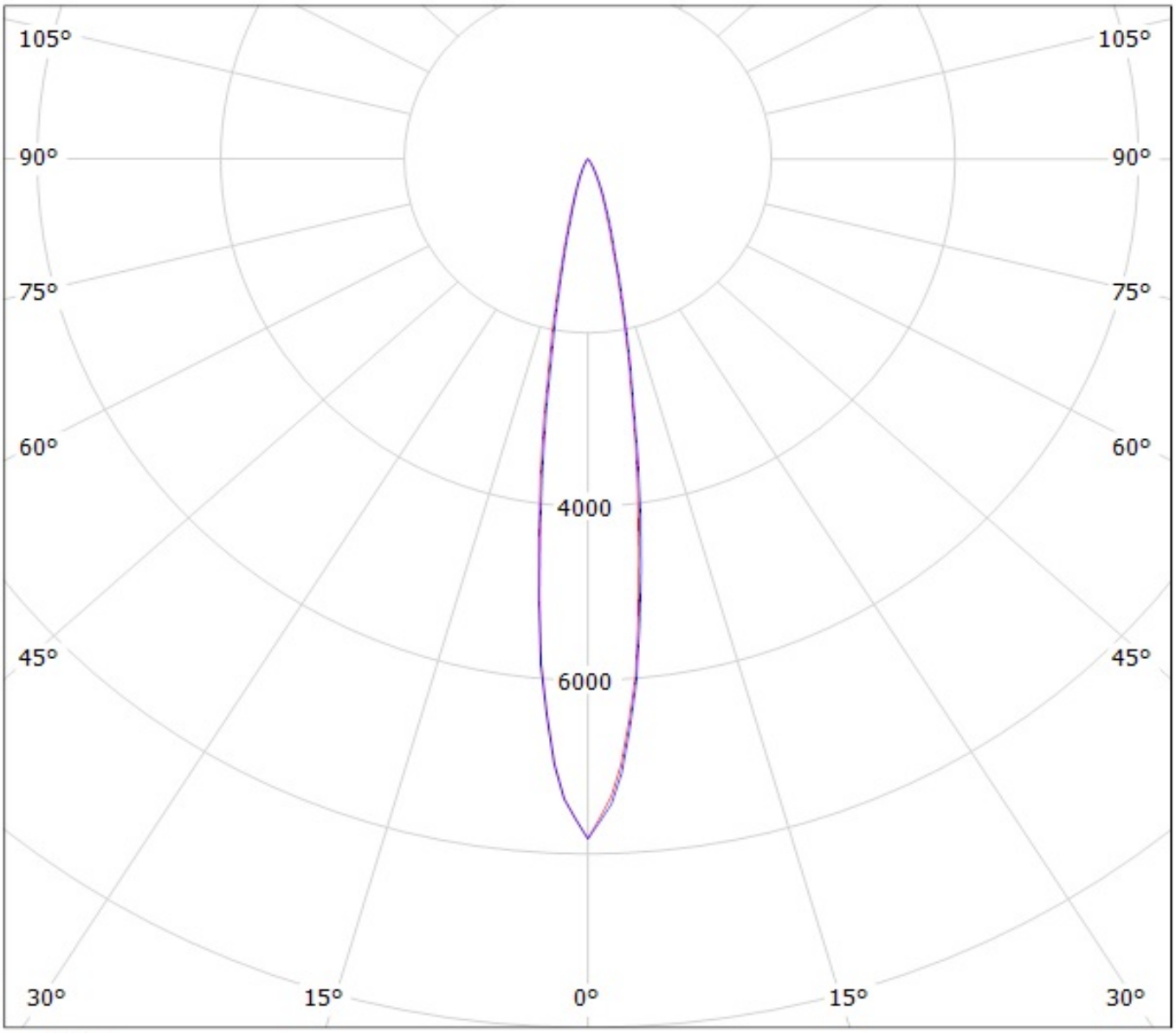


cd/klm

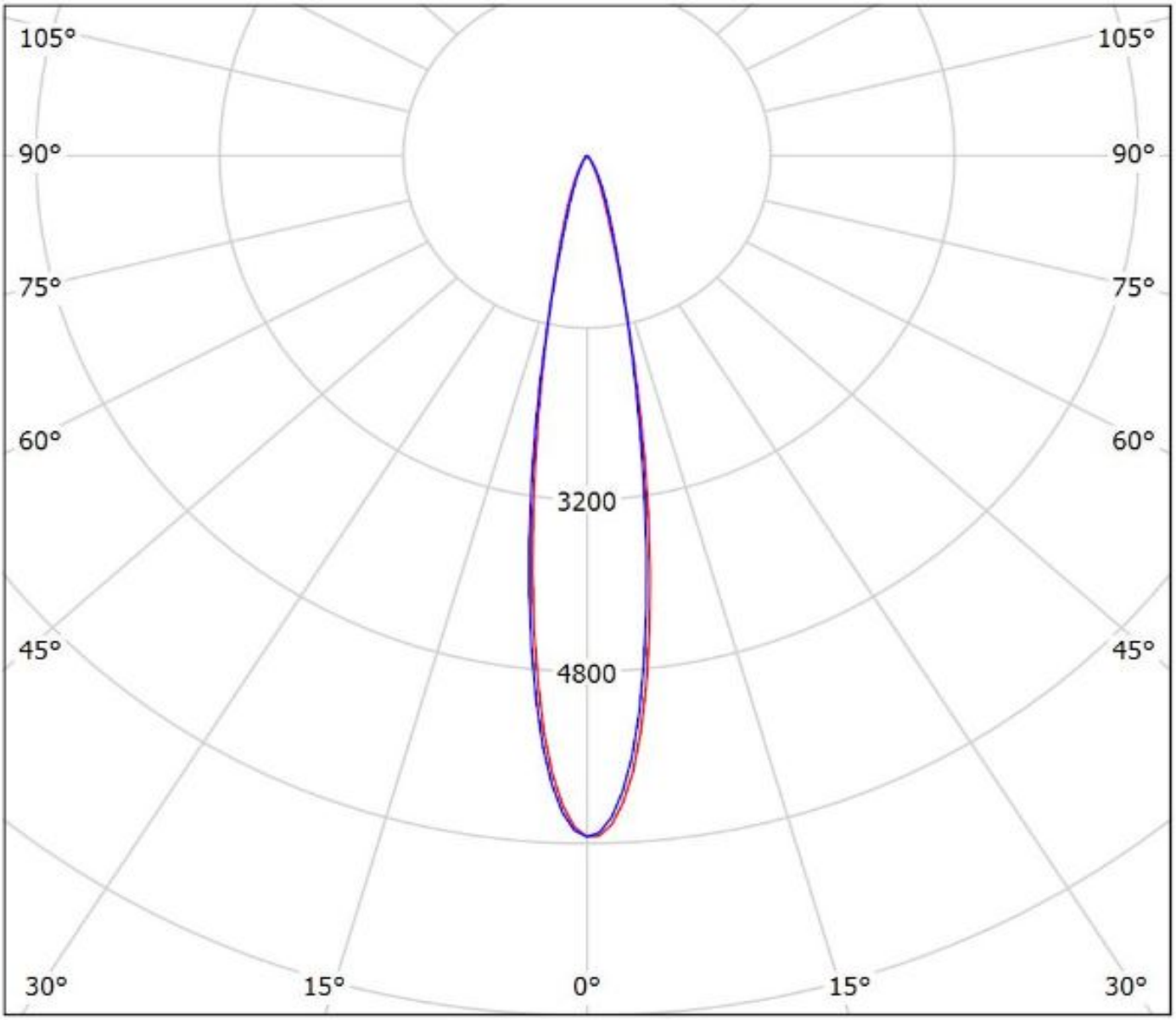
C0 - C180 C90 - C270

SIMULATED

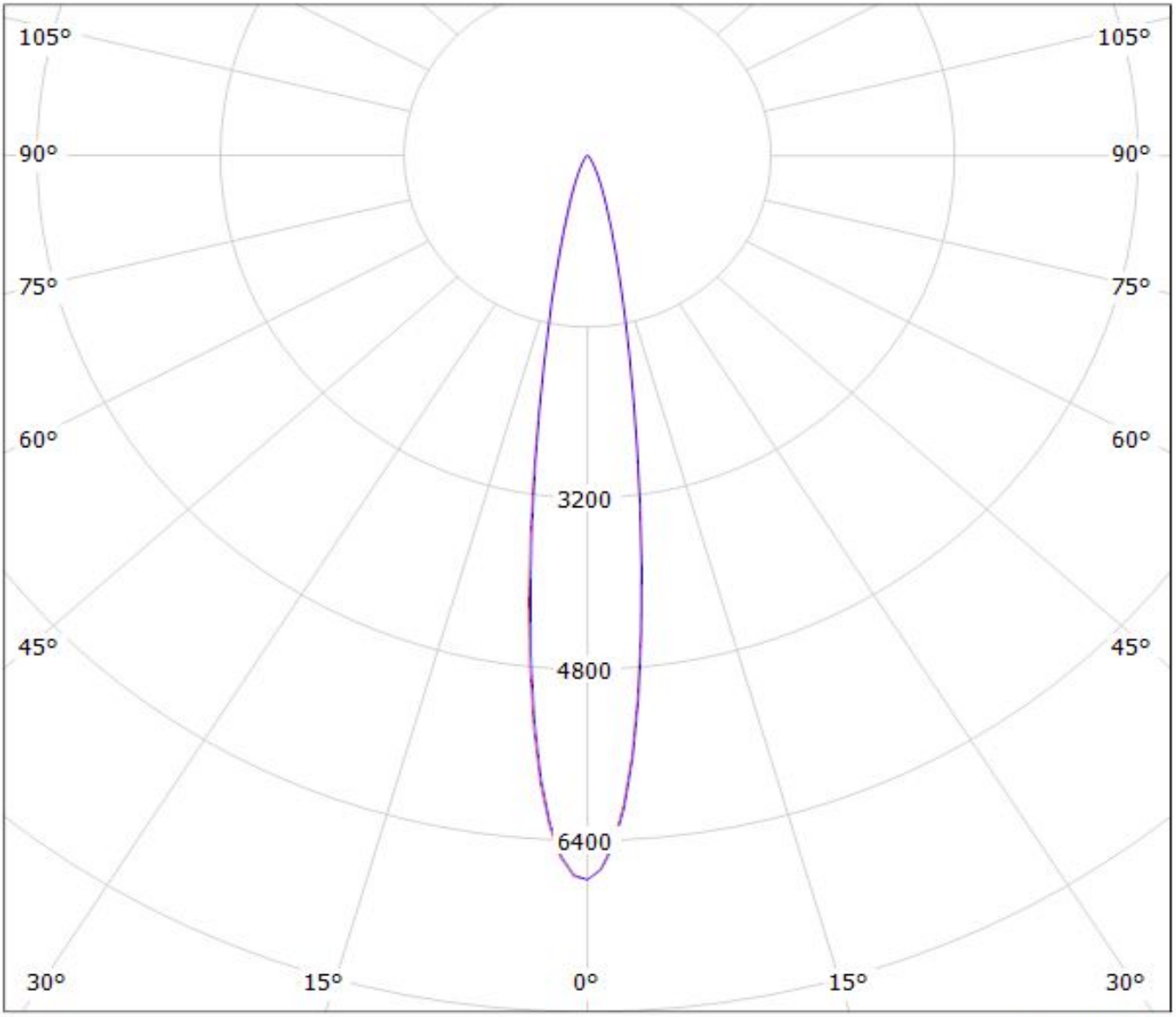
Luminaire: LEDII OY C10684_EVA-D_(Luxeon_MZ) Efficiency=88%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



Luminaire: LEDiL Oy C10684_EVA-D_(Luxeon_5050)
Lamps: 1 x Luxeon_5050_316.623lm@80mA_CCT=5700K_P=1.82294W_I=0.080A_70CRI



Luminaire: LEDiL Oy C10684_EVA-D_(NS9x383) Eff. 89,4%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)

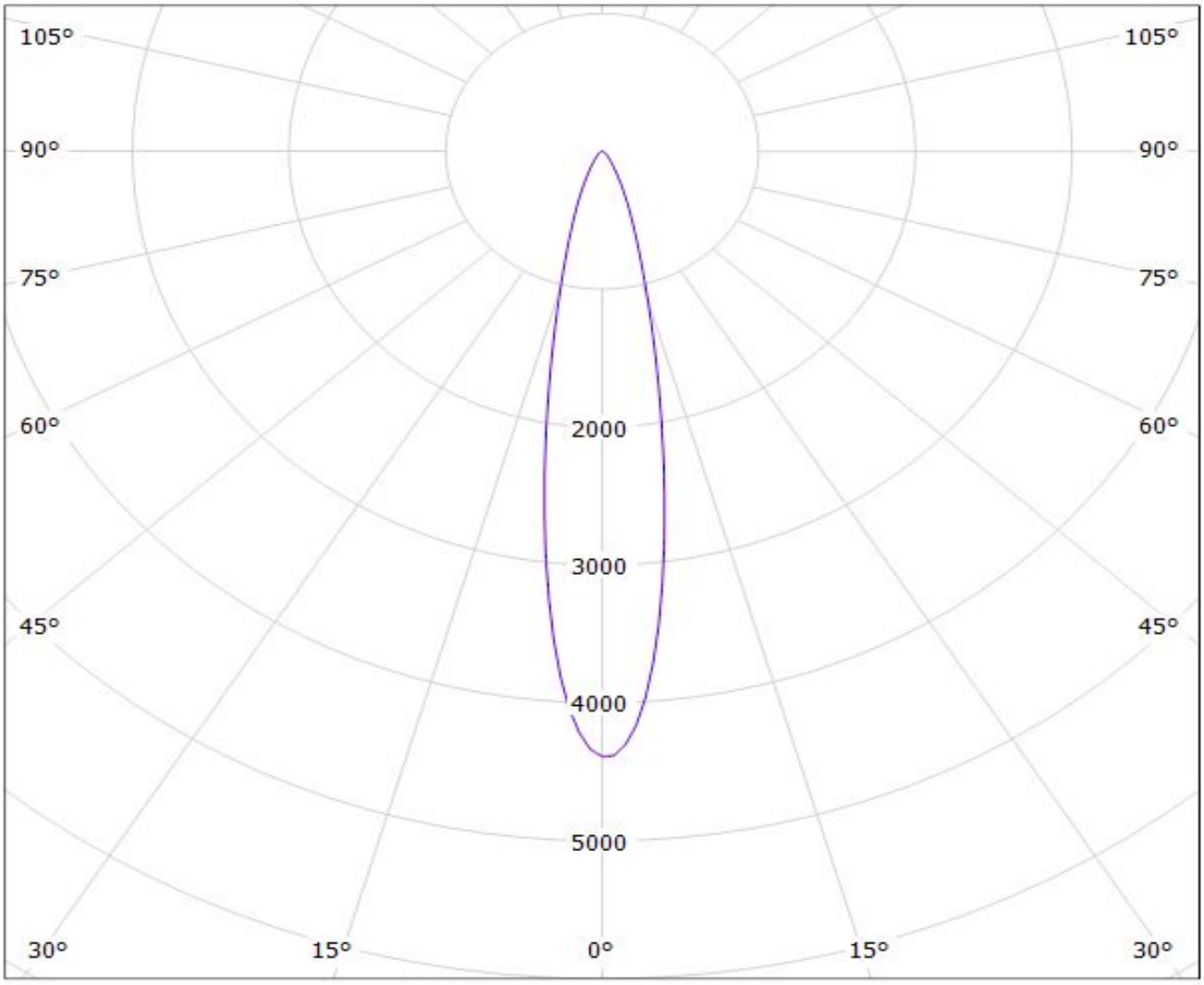


cd/klm

η = 89%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy C10684_EVA-D_(NICHIA_286) Eff.91%
Lamps: 1 x NICHIA_286_(NSML286ME) 322.274lm@100mA CCT=3000K P=3.42532W I=100.1mA

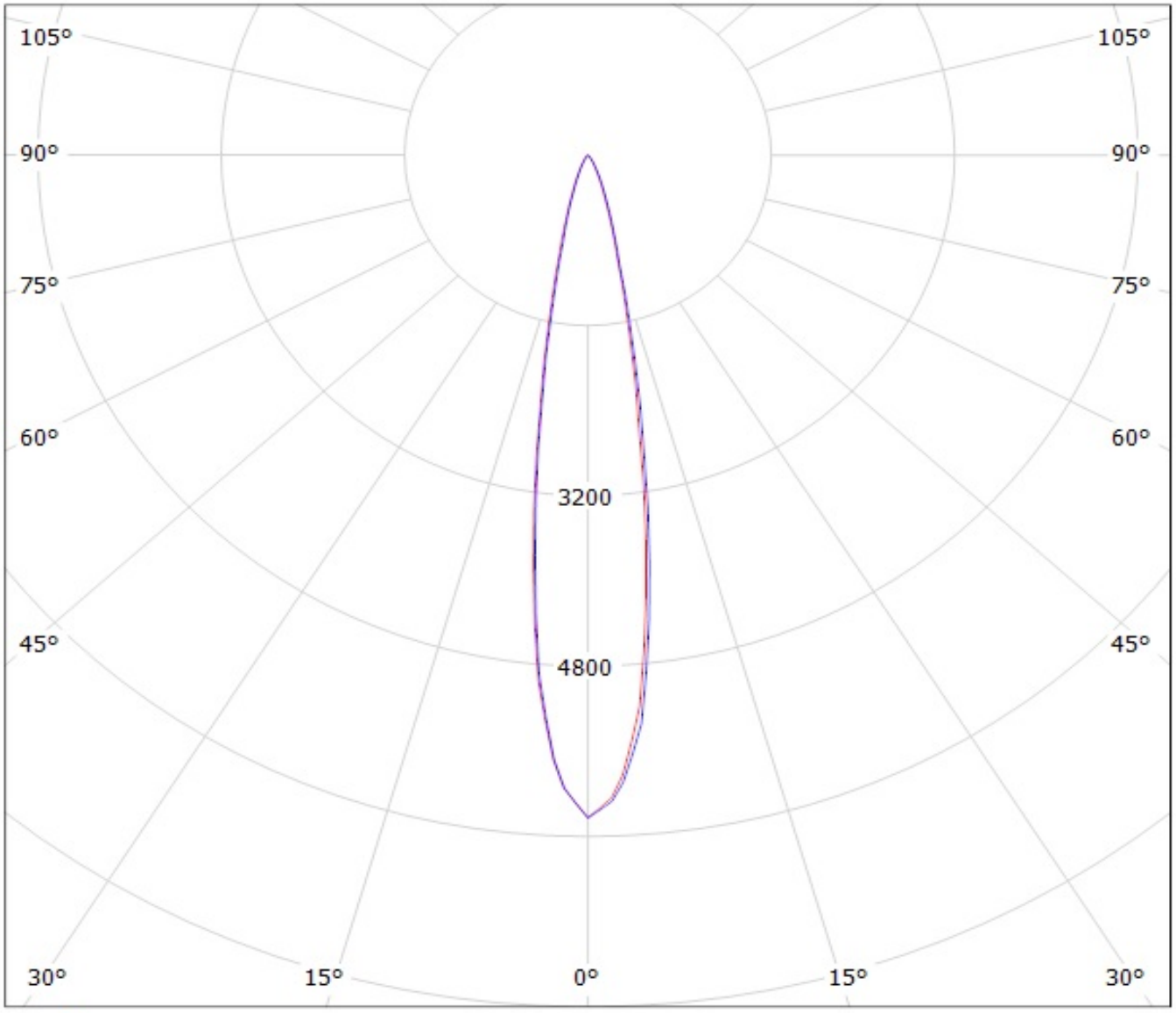


cd/klm

η = 90%

C0 - C180 C90 - C270

Luminaire: LEDil Oy C10684_EVA-D_(DURIS_S8) Efficiency=84%
Lamps: 1 x Osram DURIS S8 (GW P9LMS1.EC) 192lm @ 100mA CCT=2900K P=1.8W I=100mA



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.