PRODUCT DATASHEET
Eva series
last update 22/7/2016

DETAILS

Product Number	C12828_EVA-O
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	22/07/2016

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XM-L	15.5+39 deg	Oval	86 %	3.300	-
MC-E	sim: 16 + 40	Oval	-	-	-
MHB-A/B	39+18 deg	Oval	81 %	3.100	-
XP-G2	sim: 17+34	Oval	sim: 91 %	sim: 4.000	-
XHP35 HI	39+21 deg	Oval	81 %	2.200	-
LUXEON M/MX	20.5+37 deg	Oval	83 %	2.700	-
LUXEON MZ	39+15 deg	Oval	86 %	4.000	-
LUXEON 5258	sim: 16+37	Oval	sim: 91 %	sim: 3.700	-
NS9x383	39+15 deg	Oval	87 %	3.700	-
NSMx286M	40+20 deg	Oval	86 %	2.570	-
Duris S8	39+17 deg	Oval	88 %	3.700	-
Duris P10	sim: 19+37	Oval	sim: 92 %	sim: 3.320	-
Z8Y15	41+13 deg	Oval	85 %	4.880	-
Z8Y19	41+12 deg	Oval	86 %	4.870	-

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24240 SALO, Finland

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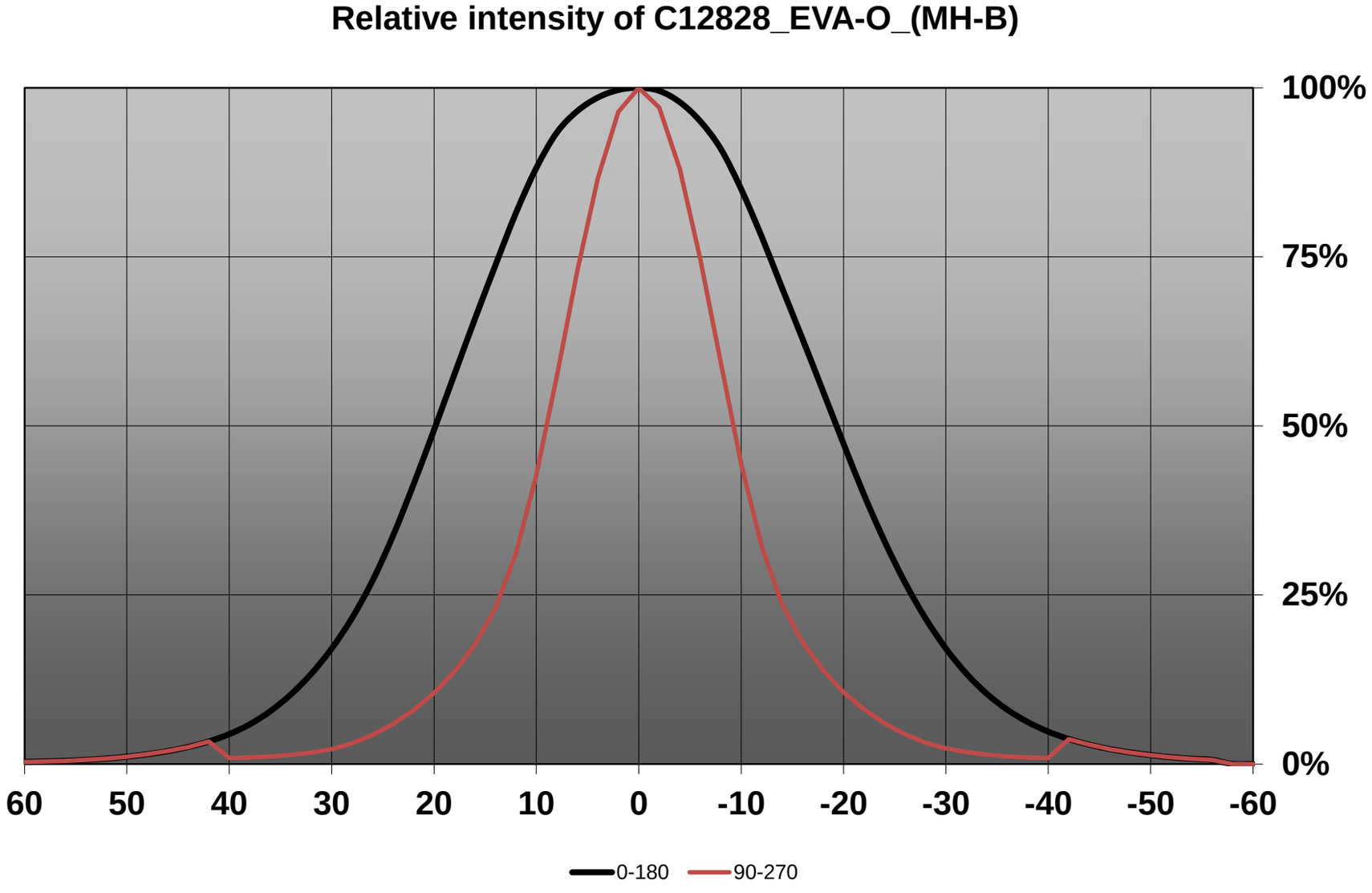
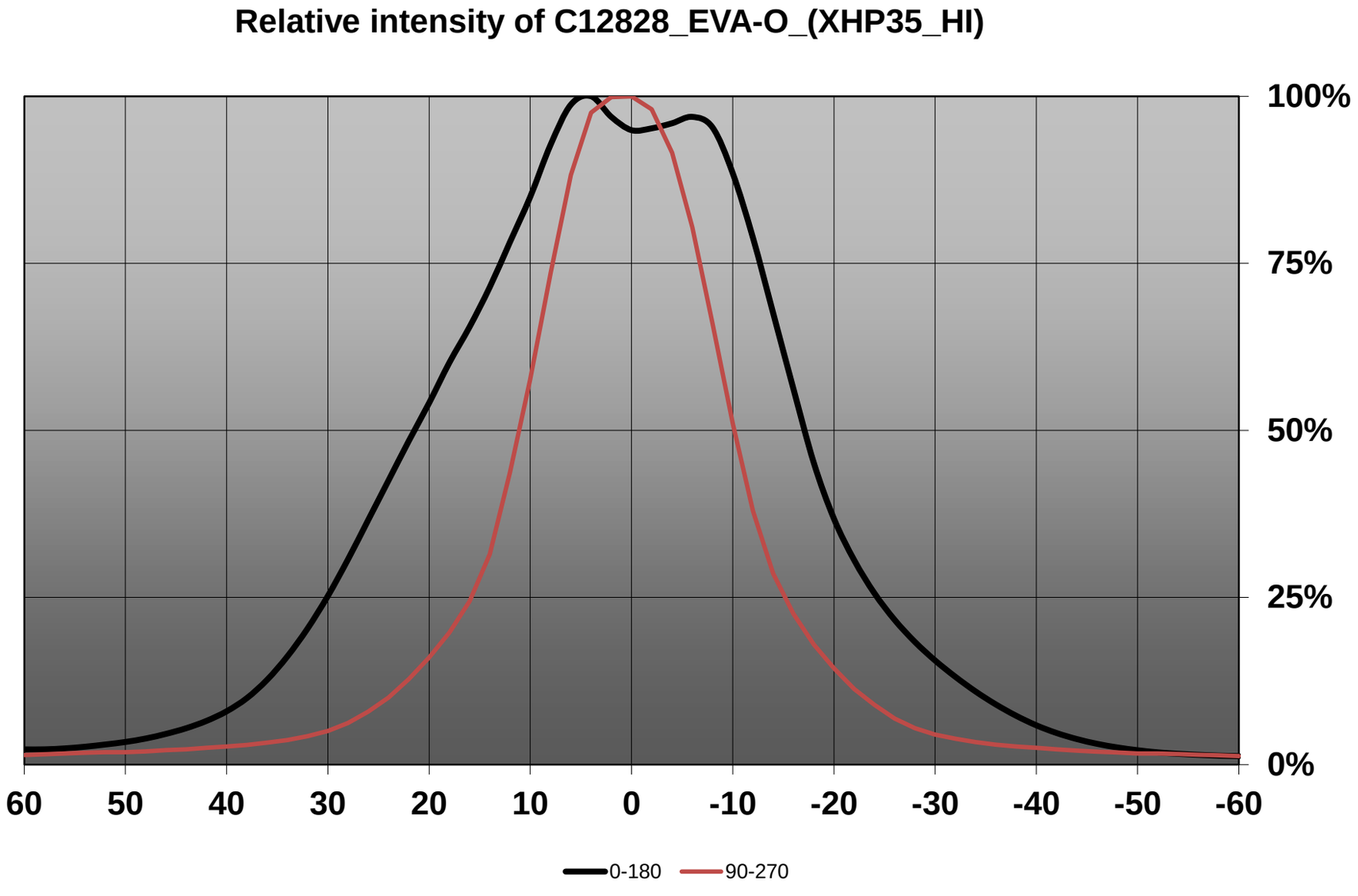
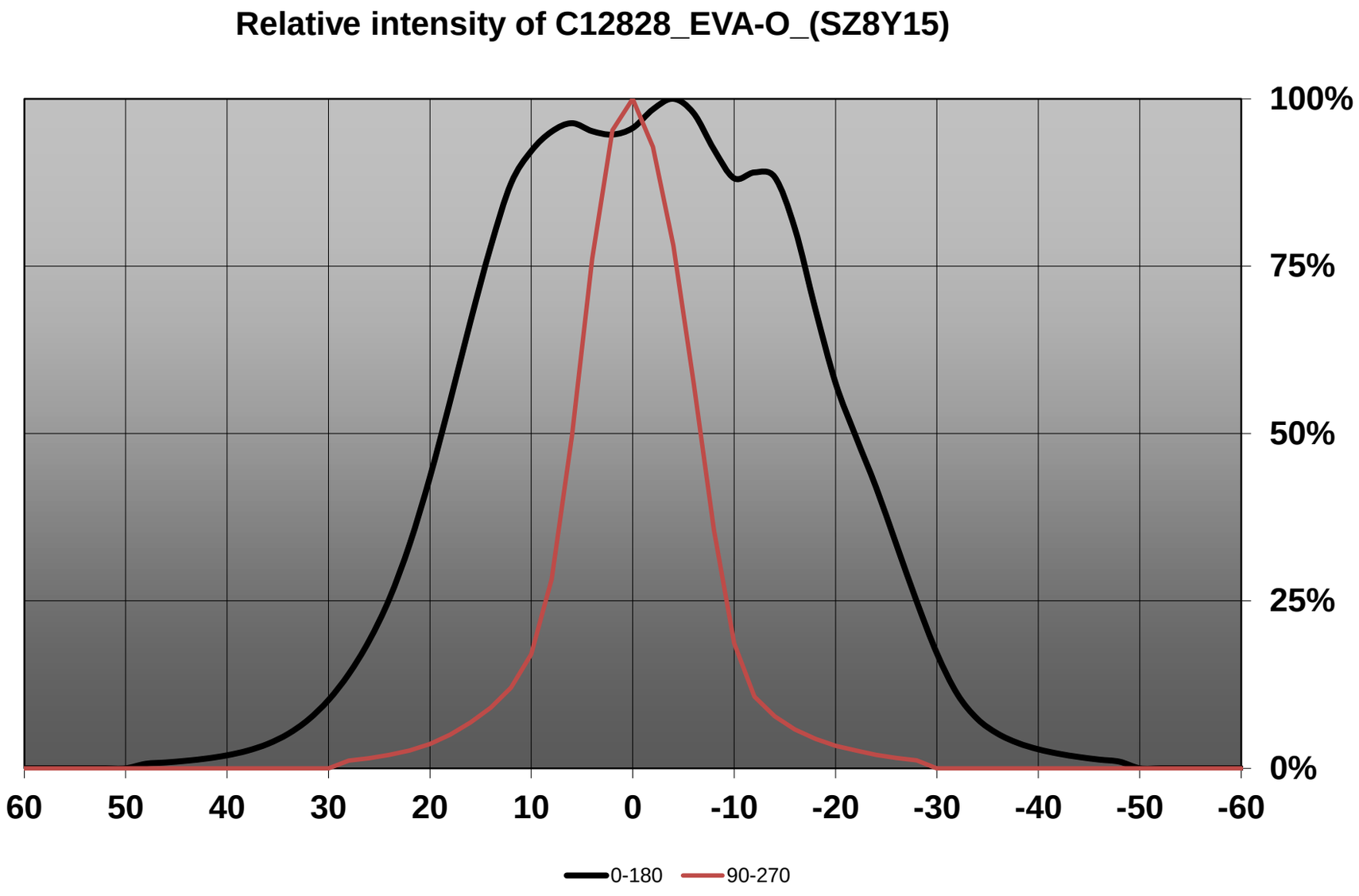
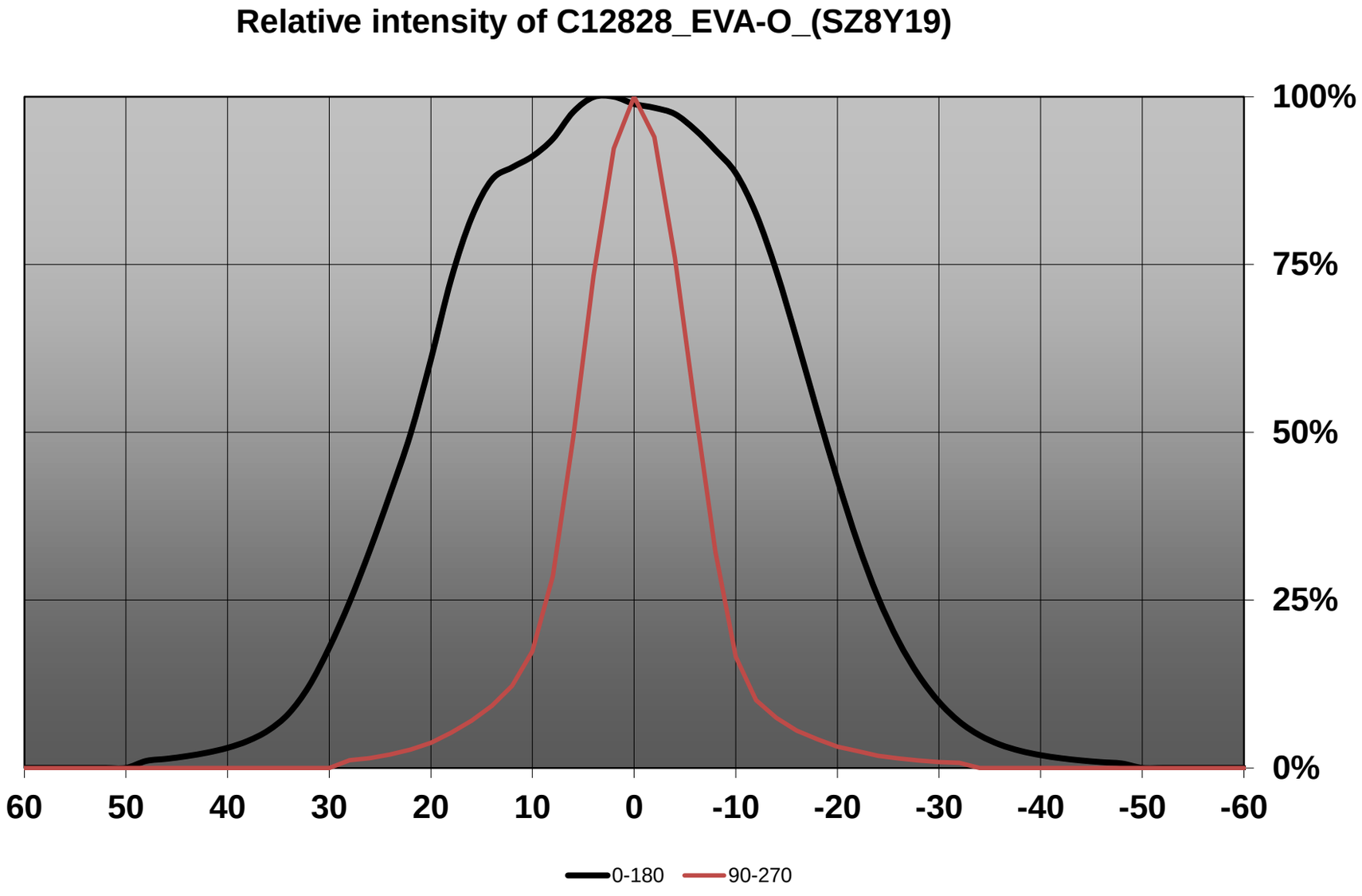
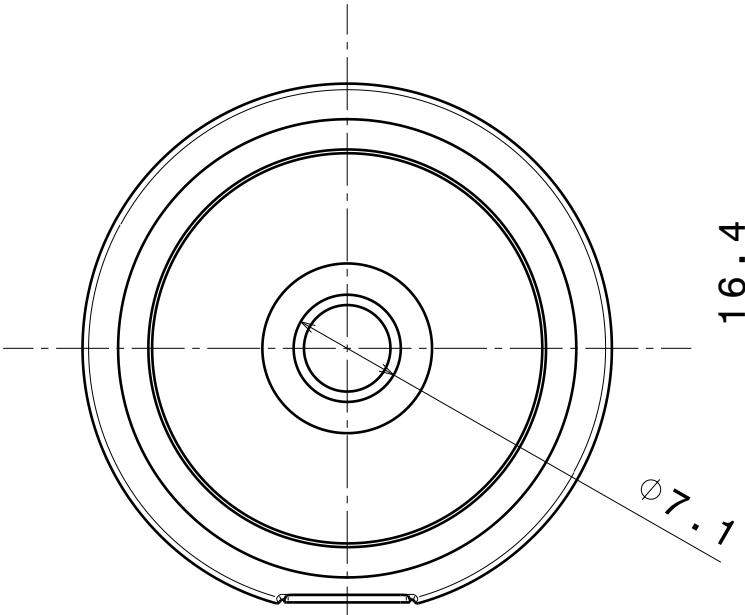
email: ledil@ledil.com
FAX: +358-2-733 8001


Relative intensity of C12828_EVA-O_(MH-B)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
0-180
90-270

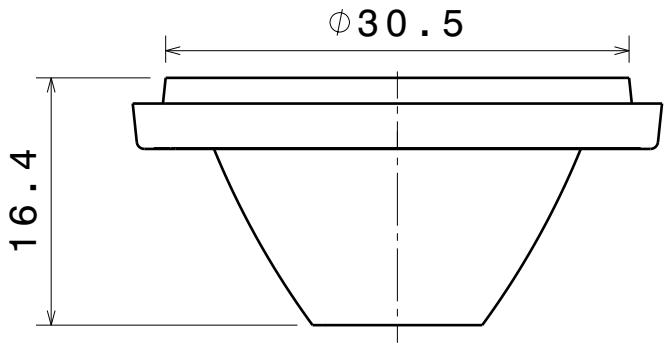

Relative intensity of C12828_EVA-O_(XHP35_HI)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
0-180
90-270


Relative intensity of C12828_EVA-O_(SZ8Y15)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
0-180
90-270

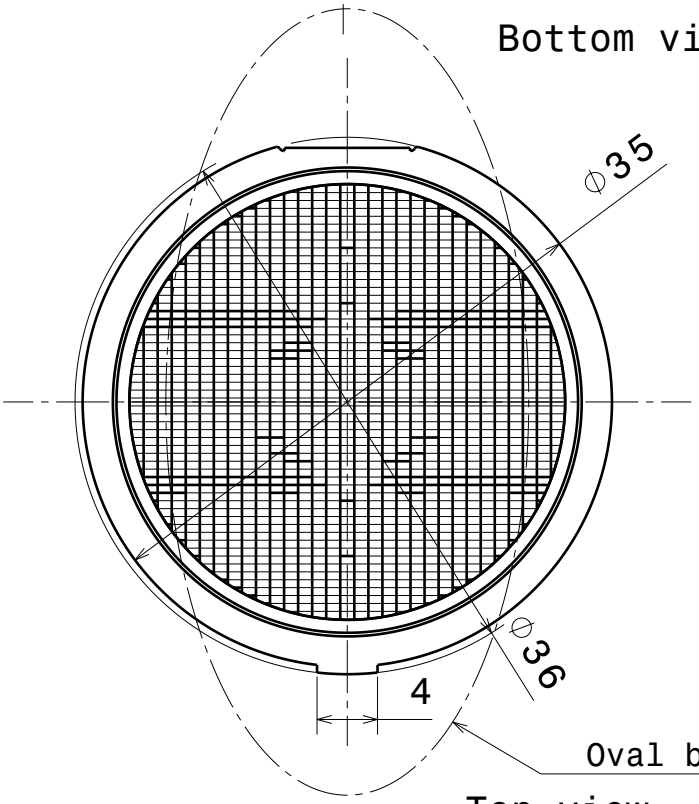

Relative intensity of C12828_EVA-O_(SZ8Y19)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
0-180
90-270



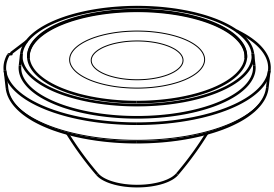
Bottom view



Side view



Top view



Isometric view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C12828	EVA-0	PMMA	

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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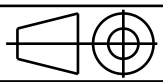
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:



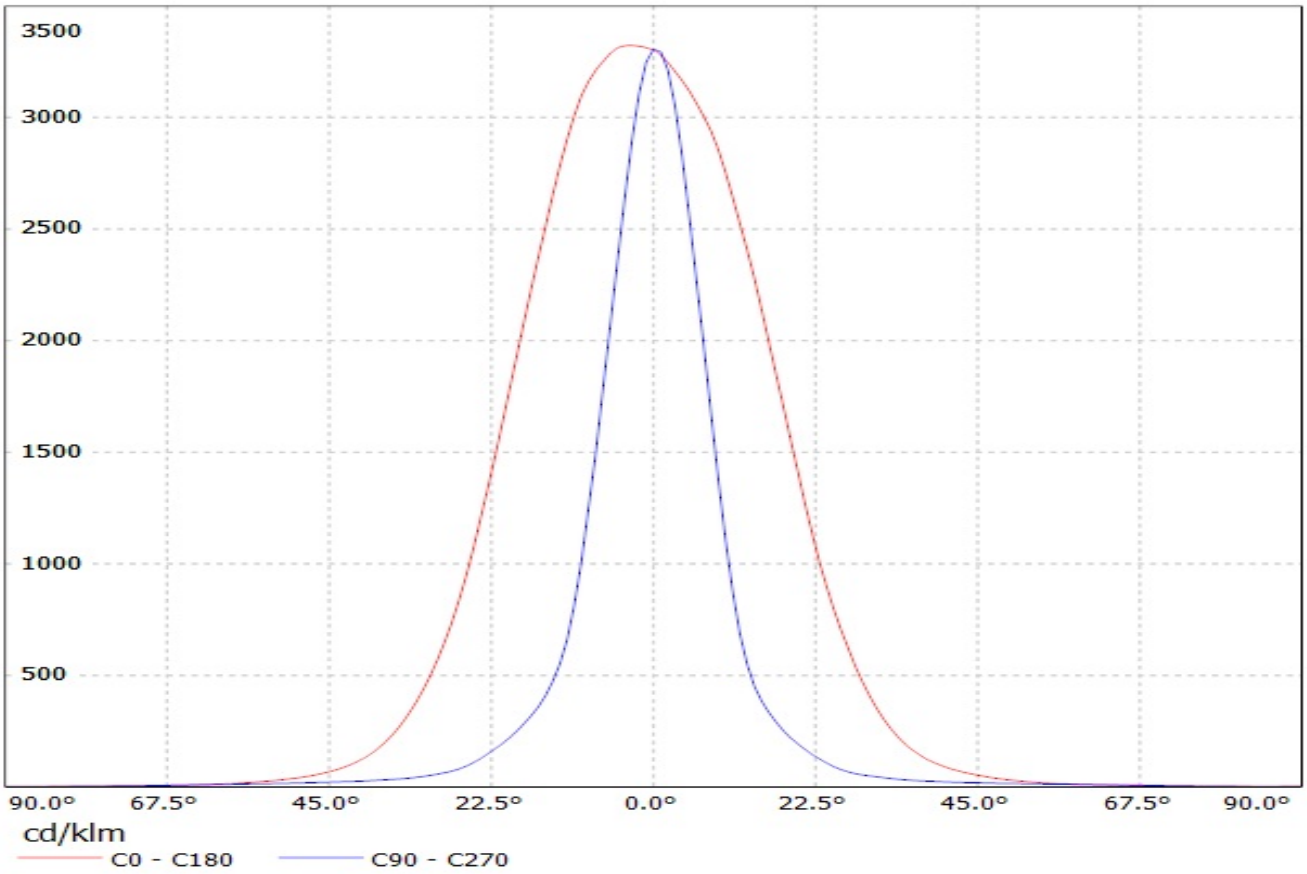
DRAWING TITLE

C12828_EVA-0

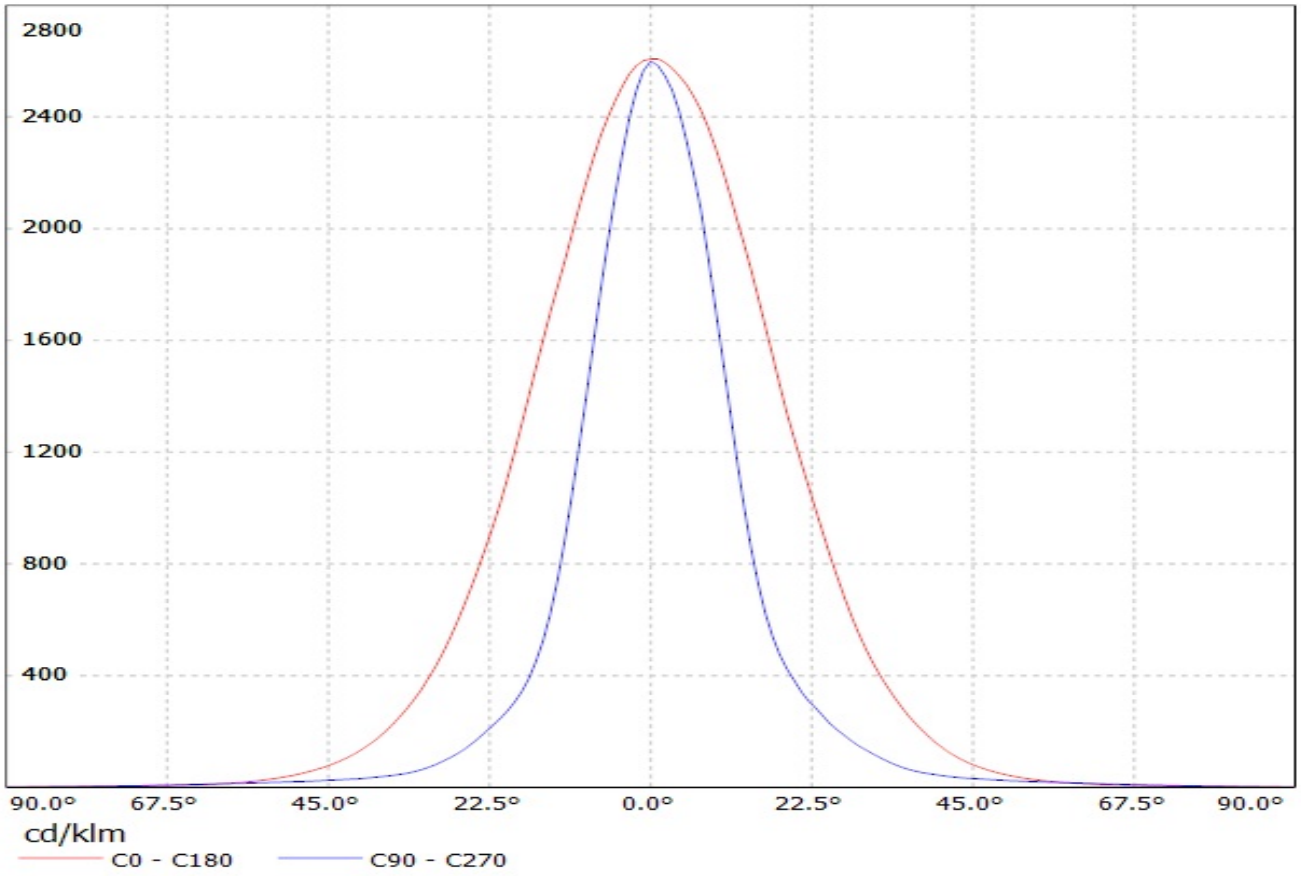
SIZE	PART NUMBER
A4	C12828

SCALE	WEIGHT		SHEET
2:1	6 g		1/1

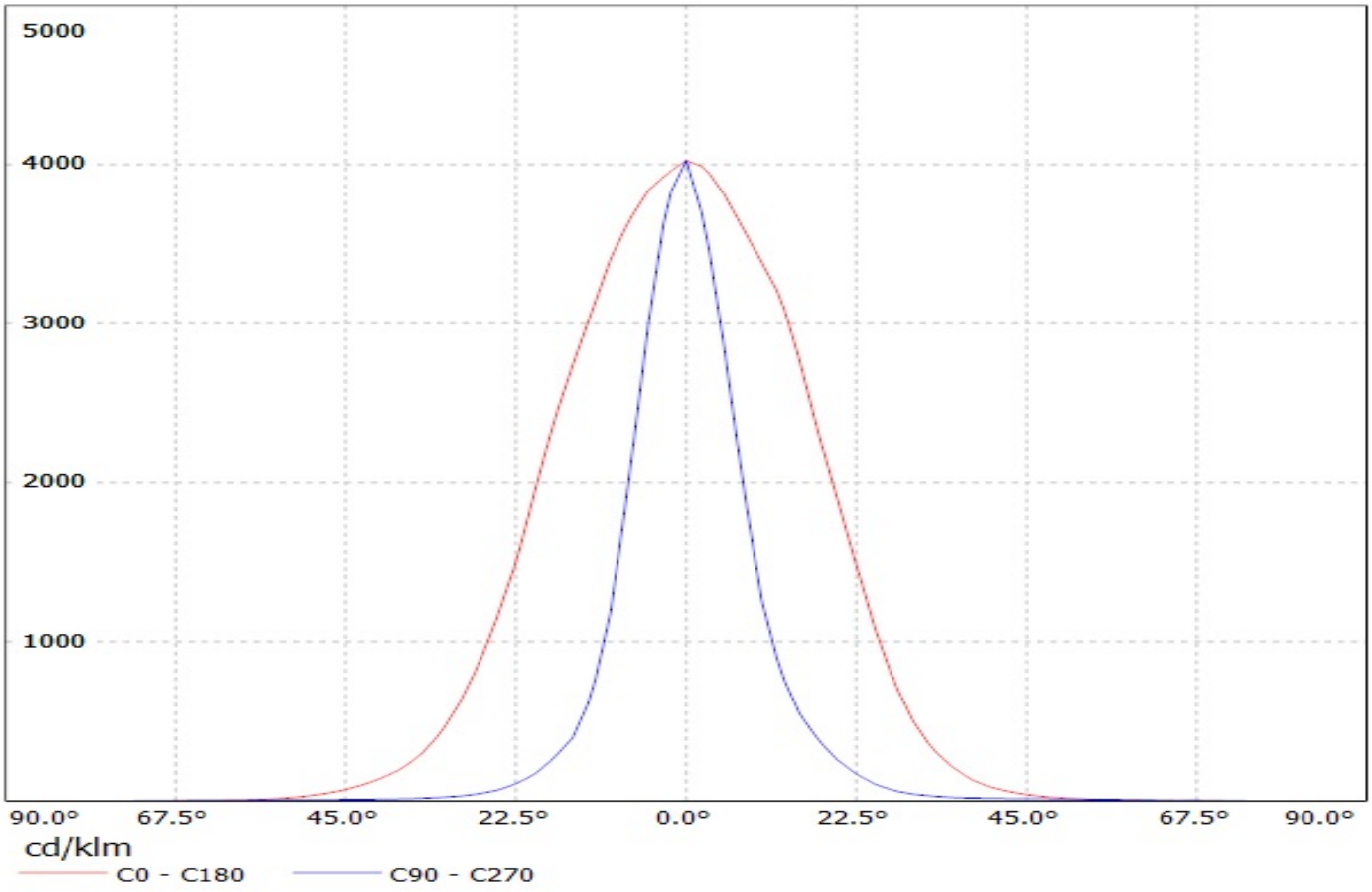
Luminaire: LEDIL OY C12828_EVA-O (XM-L) Efficiency=86%
Lamps: 1 x Cree XM-L (111lm @ 250mA)



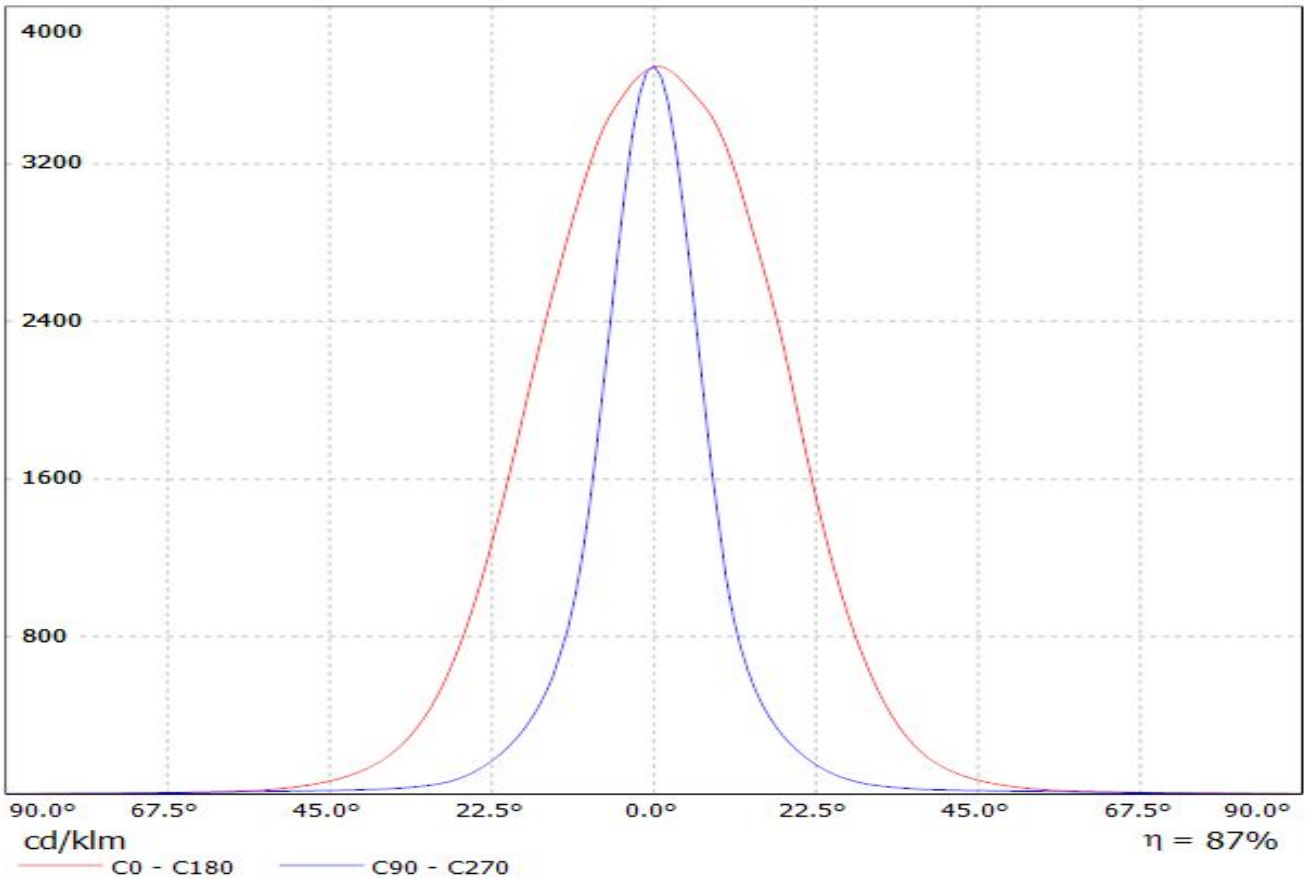
Luminaire: LEDIL OY C12828_EVA-O (Luxeon M) Efficiency=83%
Lamps: 1 x Luxeon M (362lm @ 250mA)



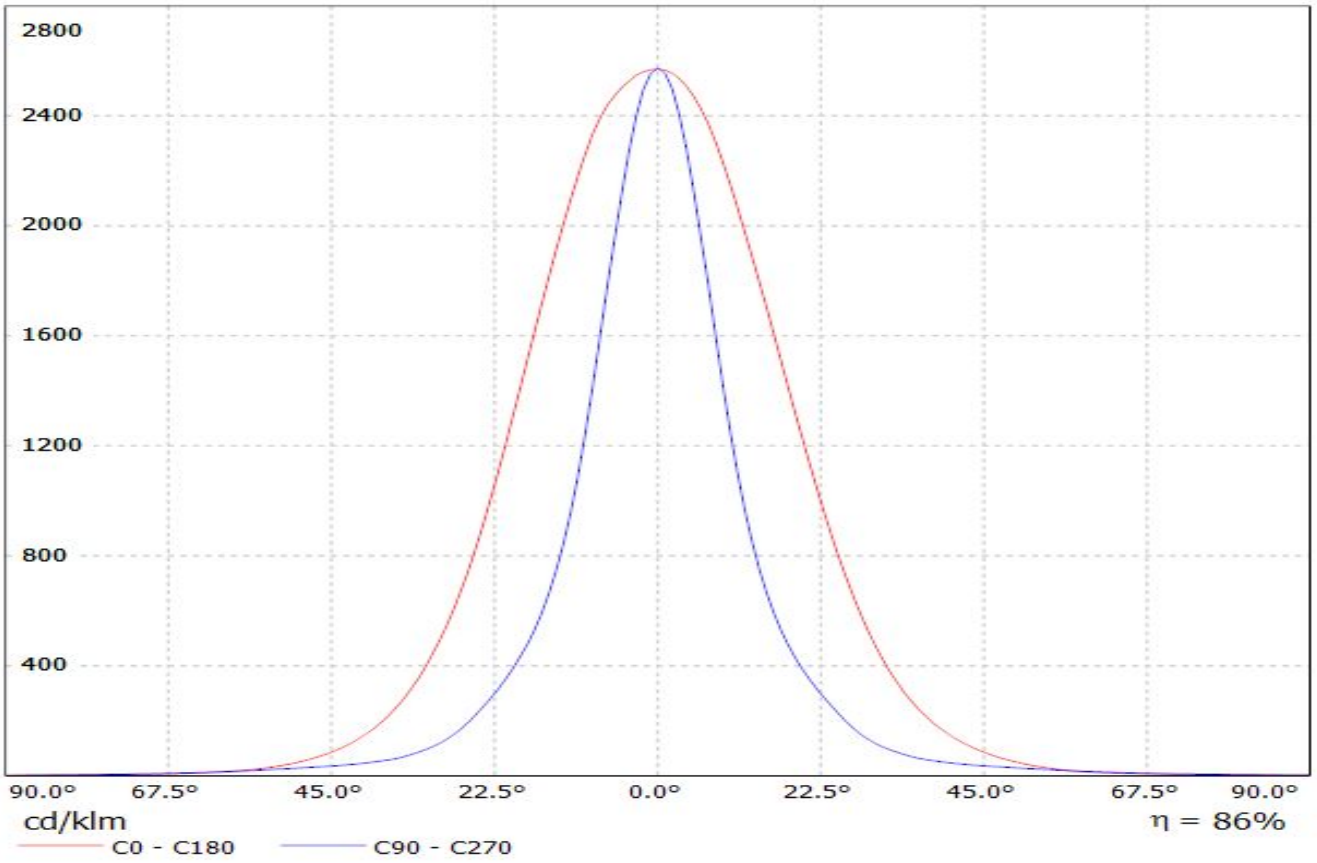
Luminaire: LEDil Oy C12828_EVA-O_(Luxeon_MZ) Efficiency=86%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



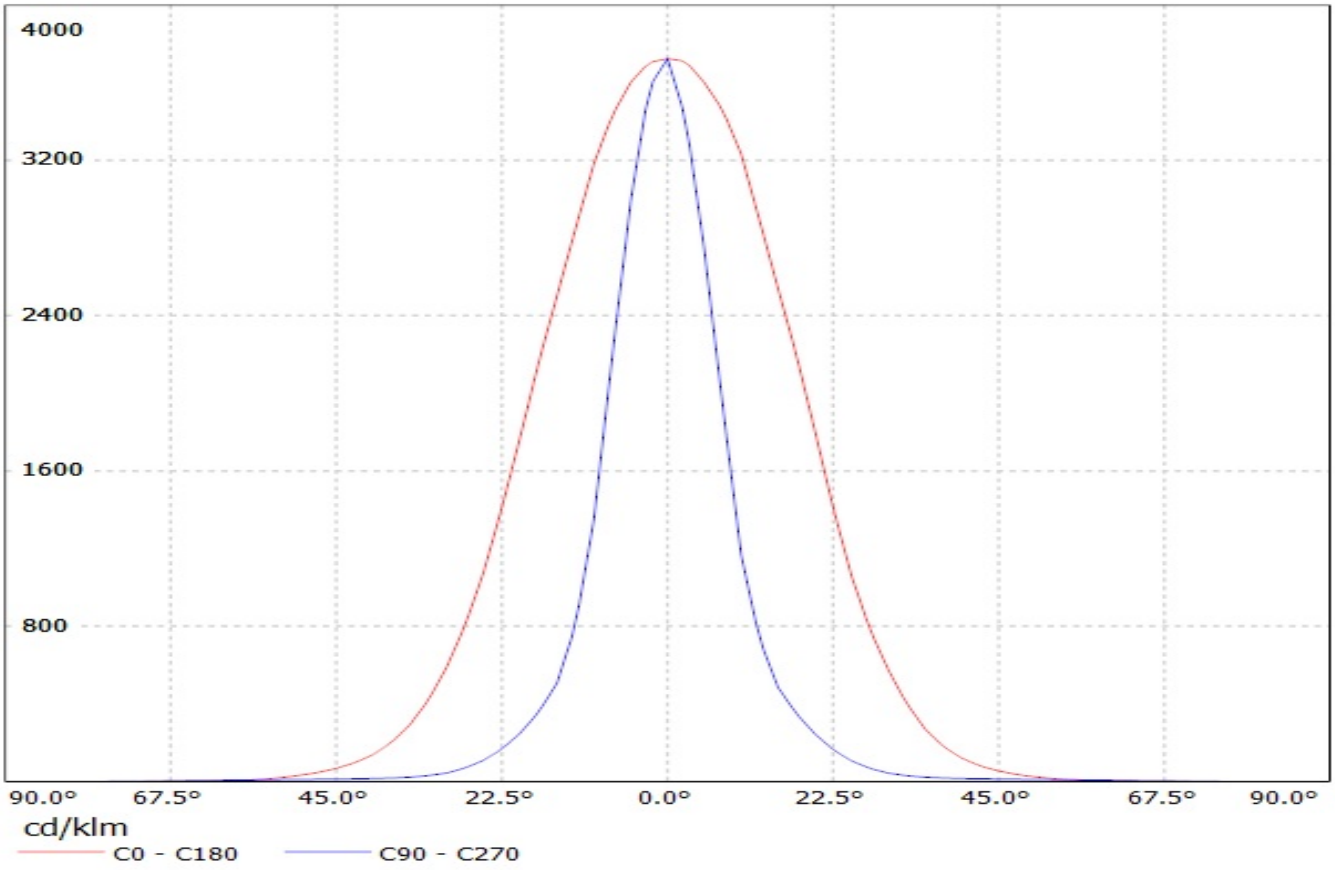
Luminaire: LEDiL Oy C12828_EVA-O_(NS9x383) Eff. 87,3%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)



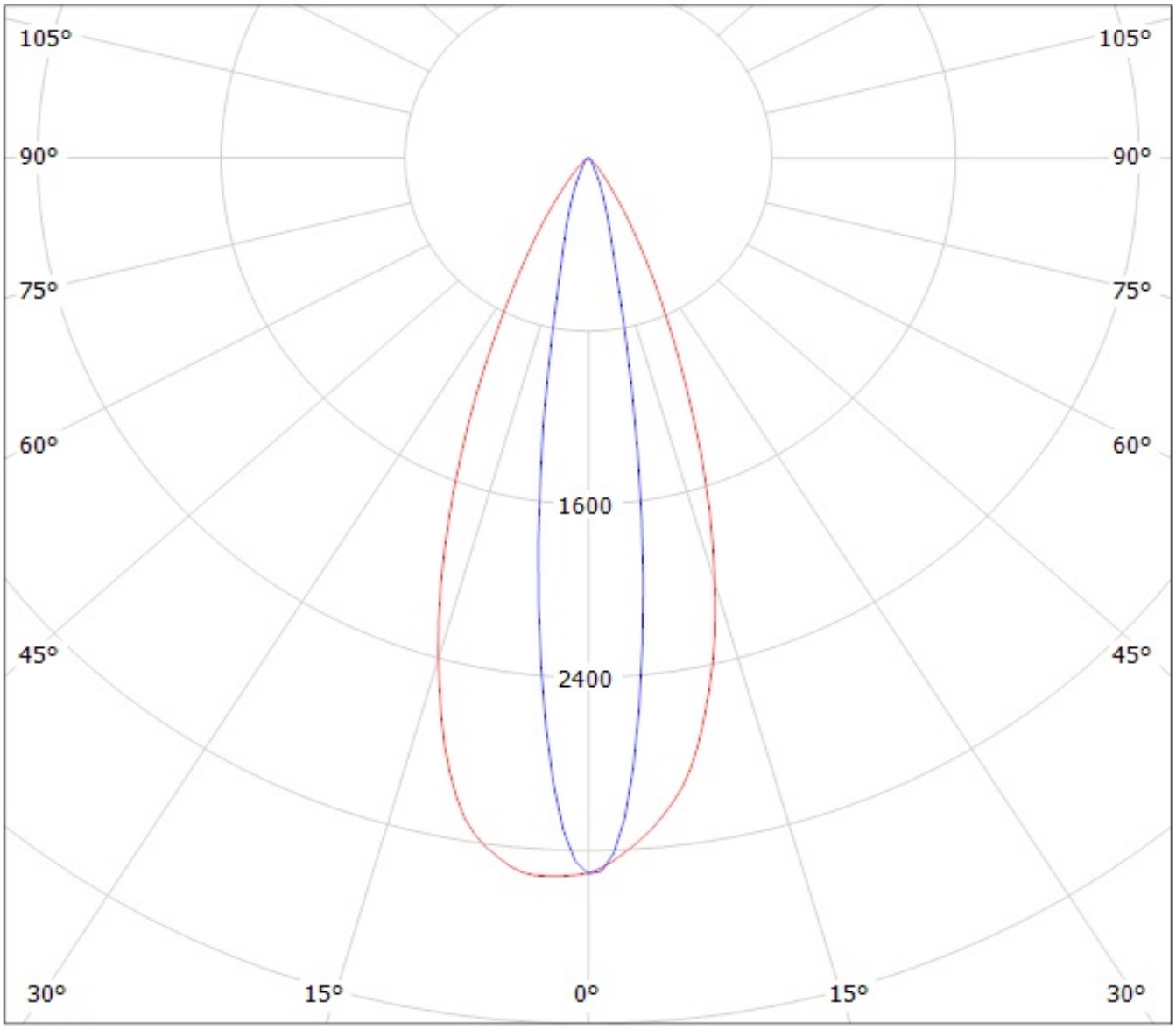
Luminaire: LEDiL Oy C12858_EVA-O_(NICHIA_286) Eff.86%
Lamps: 1 x NICHIA_286_(NSML286ME) 322.274lm@100mA CCT=3000K P=3.42532W I=100.1mA



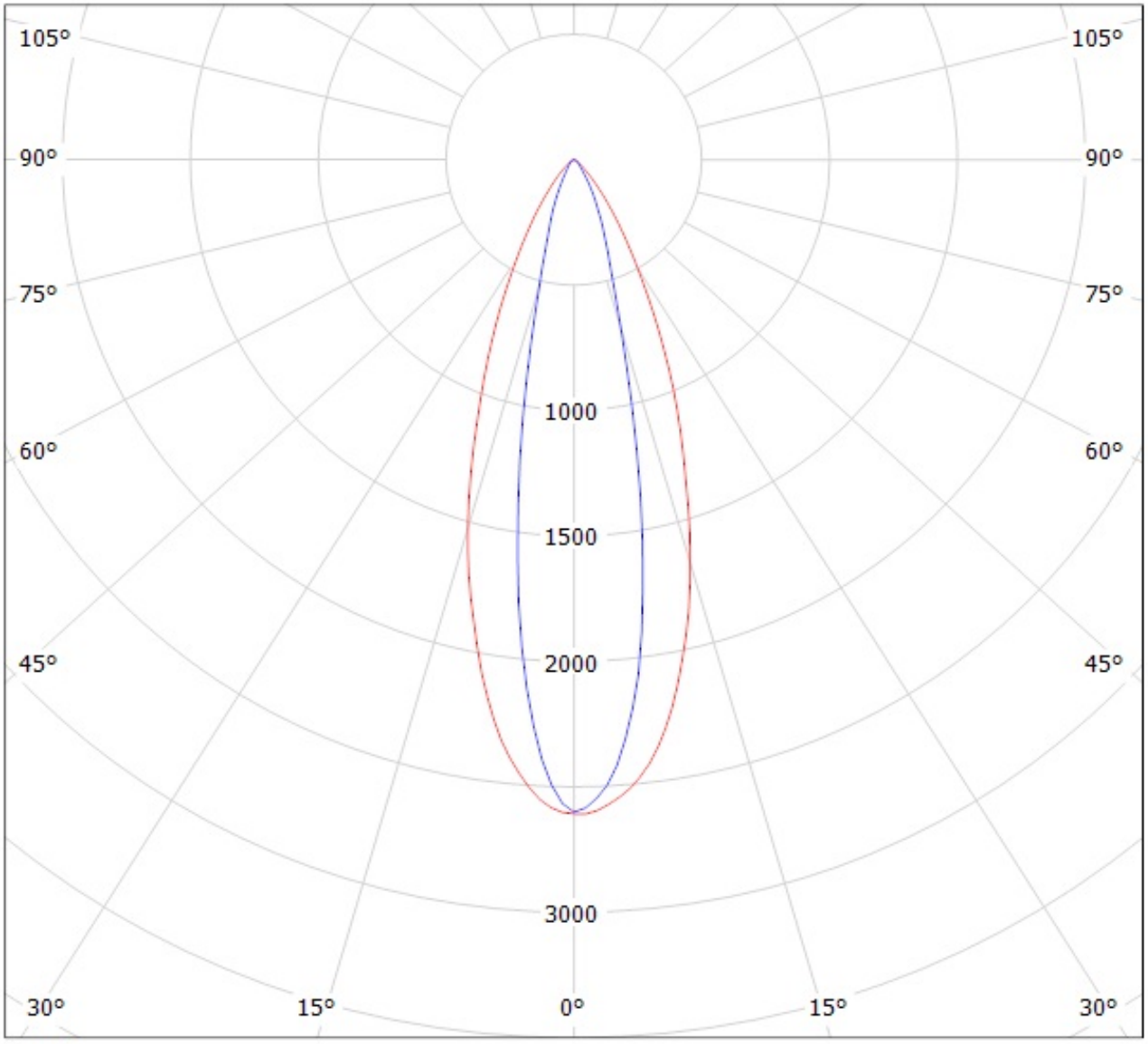
Luminaire: LEDil Oy C12828_EVA-O_(DURIS_S8) Efficiency=88%
Lamps: 1 x Osram DURIS S8 (GW P9LMS1.EC) 192lm @ 100mA CCT=2900K P=1.8W I=100mA



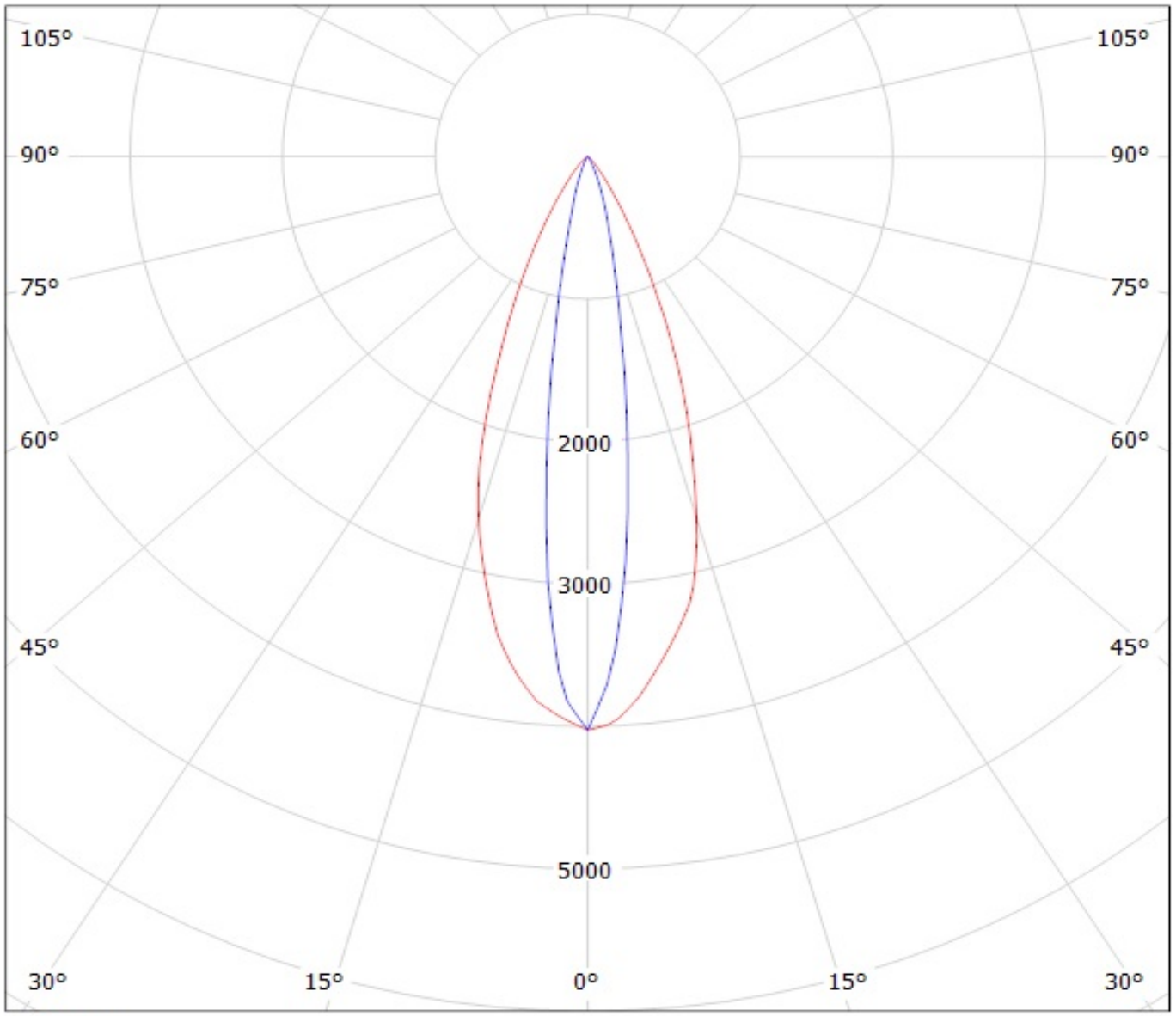
Luminaire: LEDIL OY C12828_EVA-O (XM-L) Efficiency=86%
Lamps: 1 x Cree XM-L (111lm @ 250mA)



Luminaire: LEDIL OY C12828_EVA-O (Luxeon M) Efficiency=83%
Lamps: 1 x Luxeon M (362lm @ 250mA)



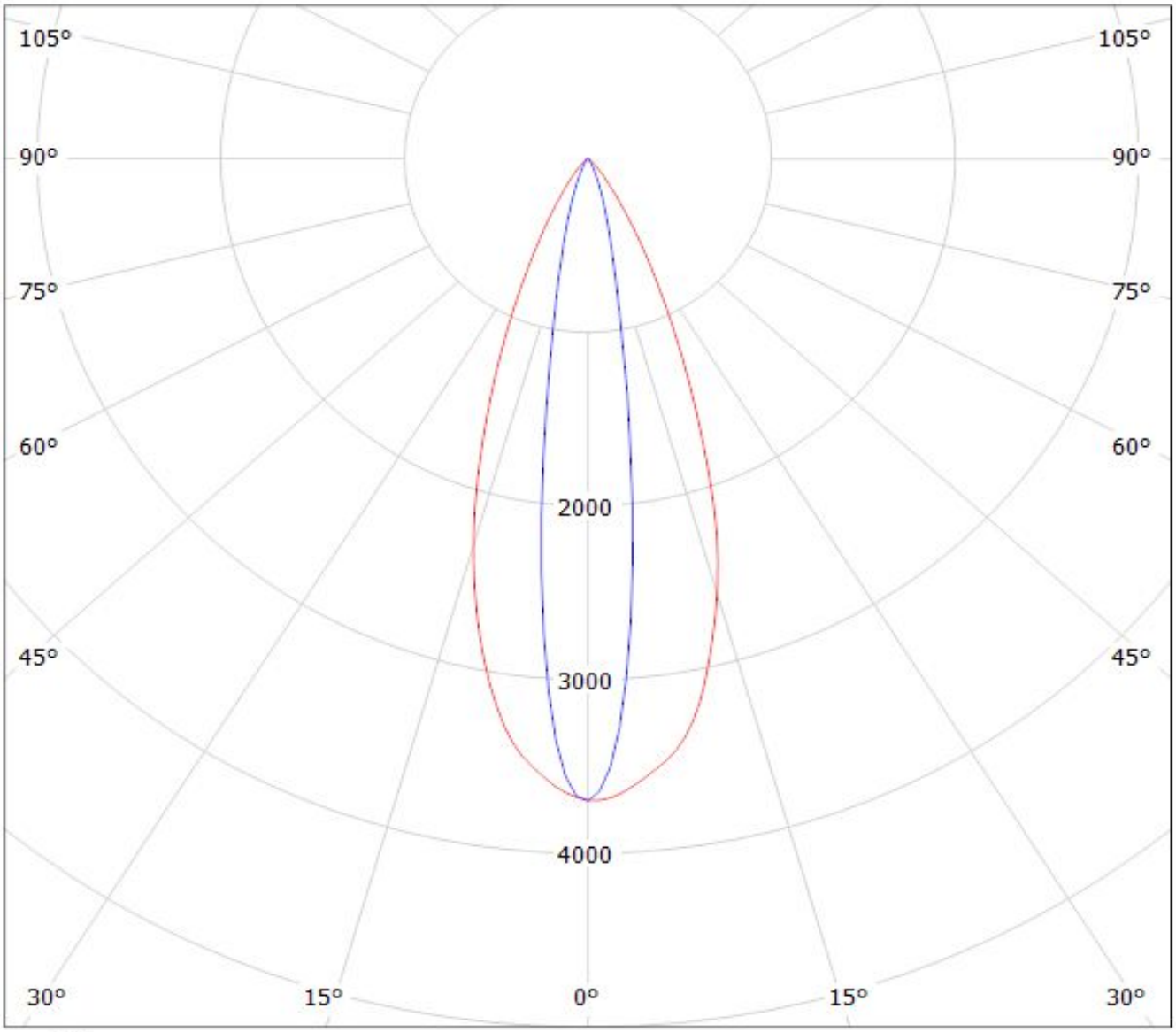
Luminaire: LEDil Oy C12828_EVA-O_(Luxeon_MZ) Efficiency=86%
Lamps: 1 x Philips Lumileds Luxeon MZ (389lm @ 250mA) CCT=3800K P=2.8W I=250mA



cd/klm

C0 - C180 C90 - C270

Luminaire: LEDiL Oy C12828_EVA-O_(NS9x383) Eff. 87,3%
Lamps: 1 x Nichia NS9x383 (105lm@250mA)

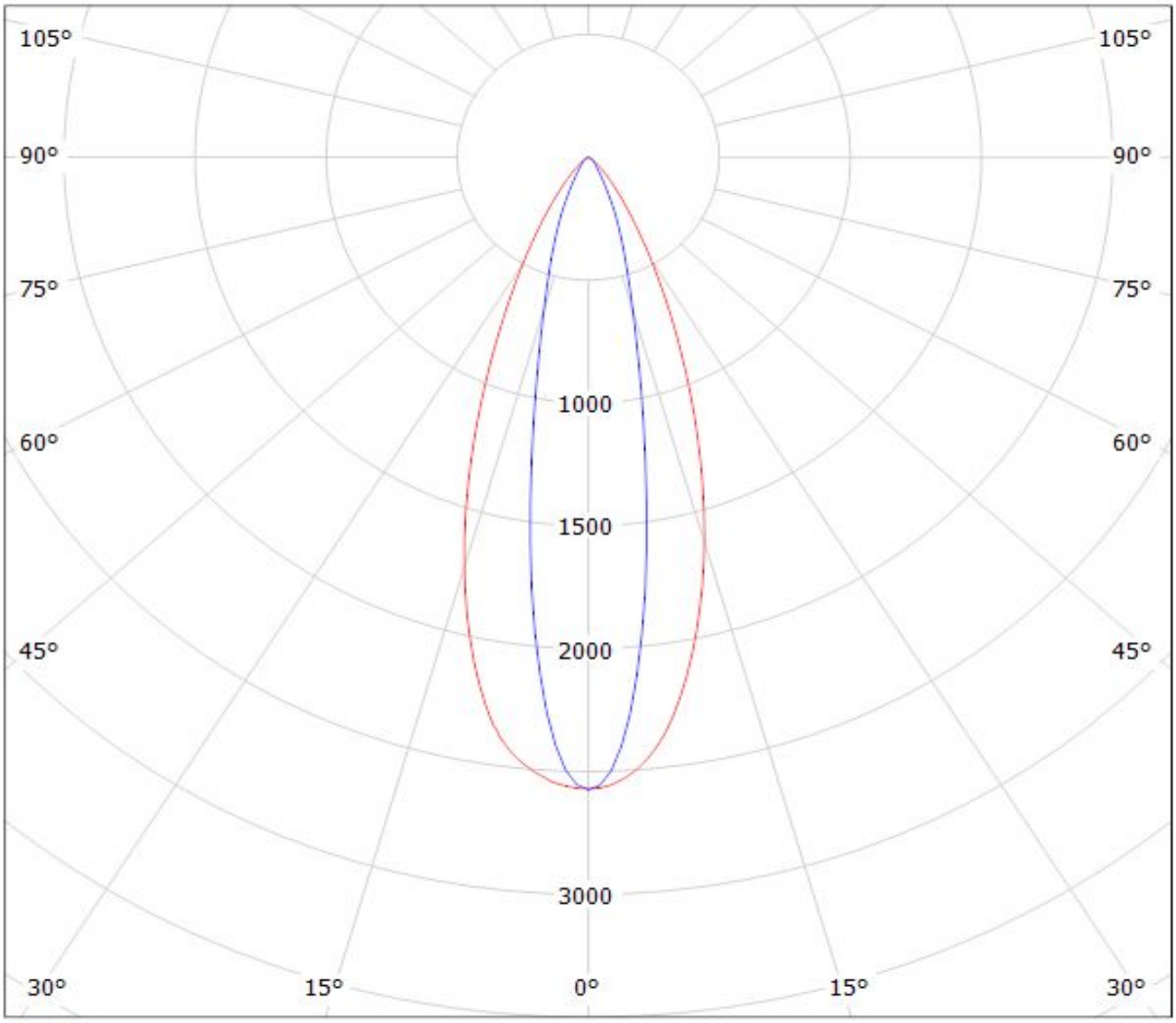


cd/klm

η = 87%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy C12858_EVA-O_(NICHIA_286) Eff.86%
Lamps: 1 x NICHIA_286_(NSML286ME) 322.274lm@100mA CCT=3000K P=3.42532W I=100.1mA

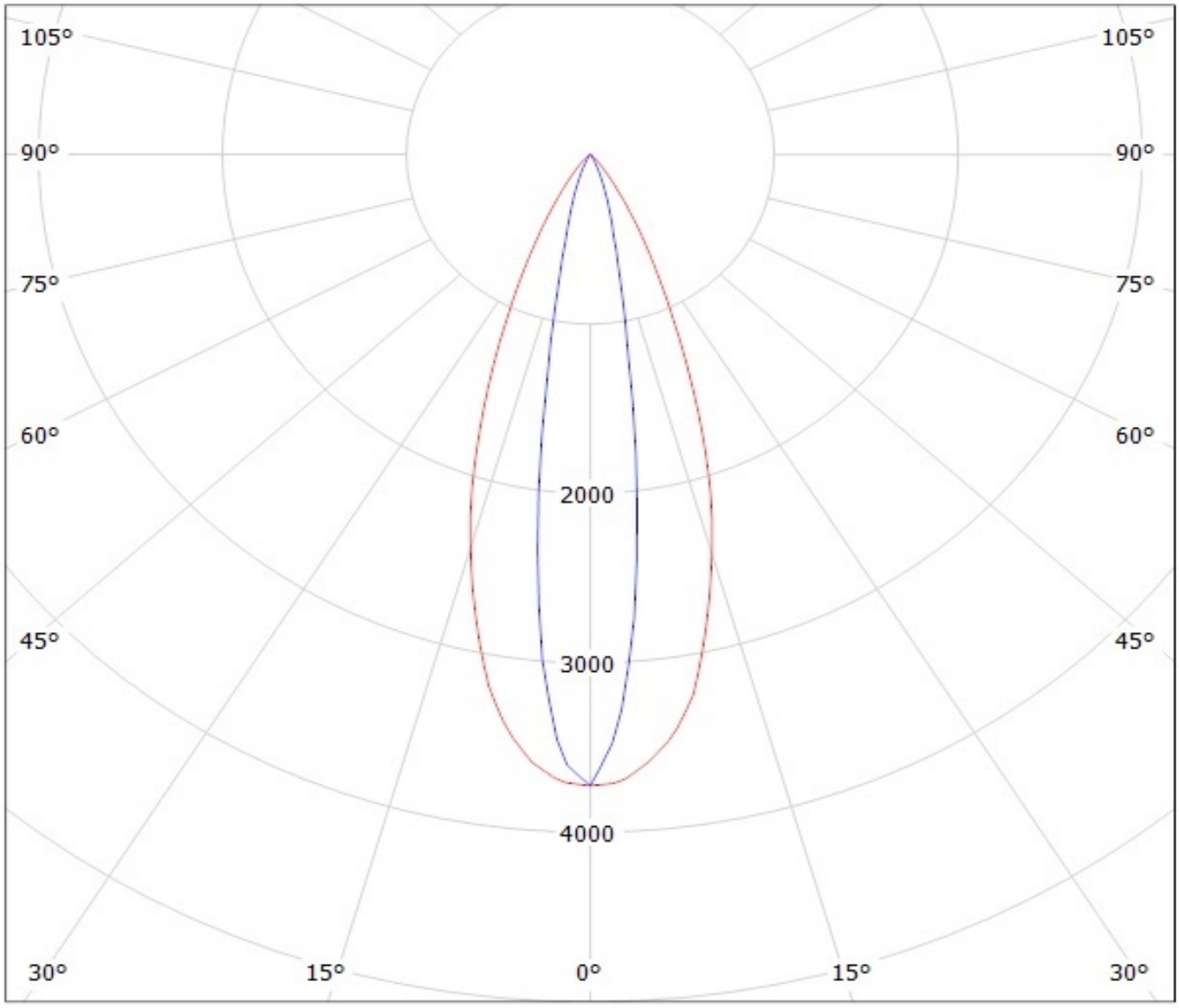


cd/klm

η = 86%

C0 - C180 C90 - C270

Luminaire: LEDil Oy C12828_EVA-O_(DURIS_S8) Efficiency=88%
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.