PRODUCT DATASHEET
High Bay series
last update 19/6/2014

DETAILS

Product Number	C13749_HB-2X2-O
Family	High Bay
Type	Lens
Color	clear
Diameter	50 + 50 mm
Height	10,6 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	screw, pin, glue
Status	ready
ROHS Comliant	Yes
Date Updated	19/06/2014

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	connector
LUXEON MZ	(simulated) 28+104		(simulated) 92 %	(simulated) 1.000	-
NCSxx19B	23+113 degrees		94 %	1.400	-
NVSxx19A	24+105 degrees		94 %	1.220	-
Oslon Square PC	25+124 degrees		91 %	1.070	-
LUXEON R	25+105 degrees		94 %	1.240	-
LUXEON Rebel ES	25+106 degrees		94 %	1.200	-
LUXEON T	26+110 degrees		94 %	1.200	-
XP-G	26+115 degrees		94 %	1.130	-
NVSxx19B	26+108 degrees		94 %	1.200	-
XP-G2	27+112 degrees		94 %	1.200	-

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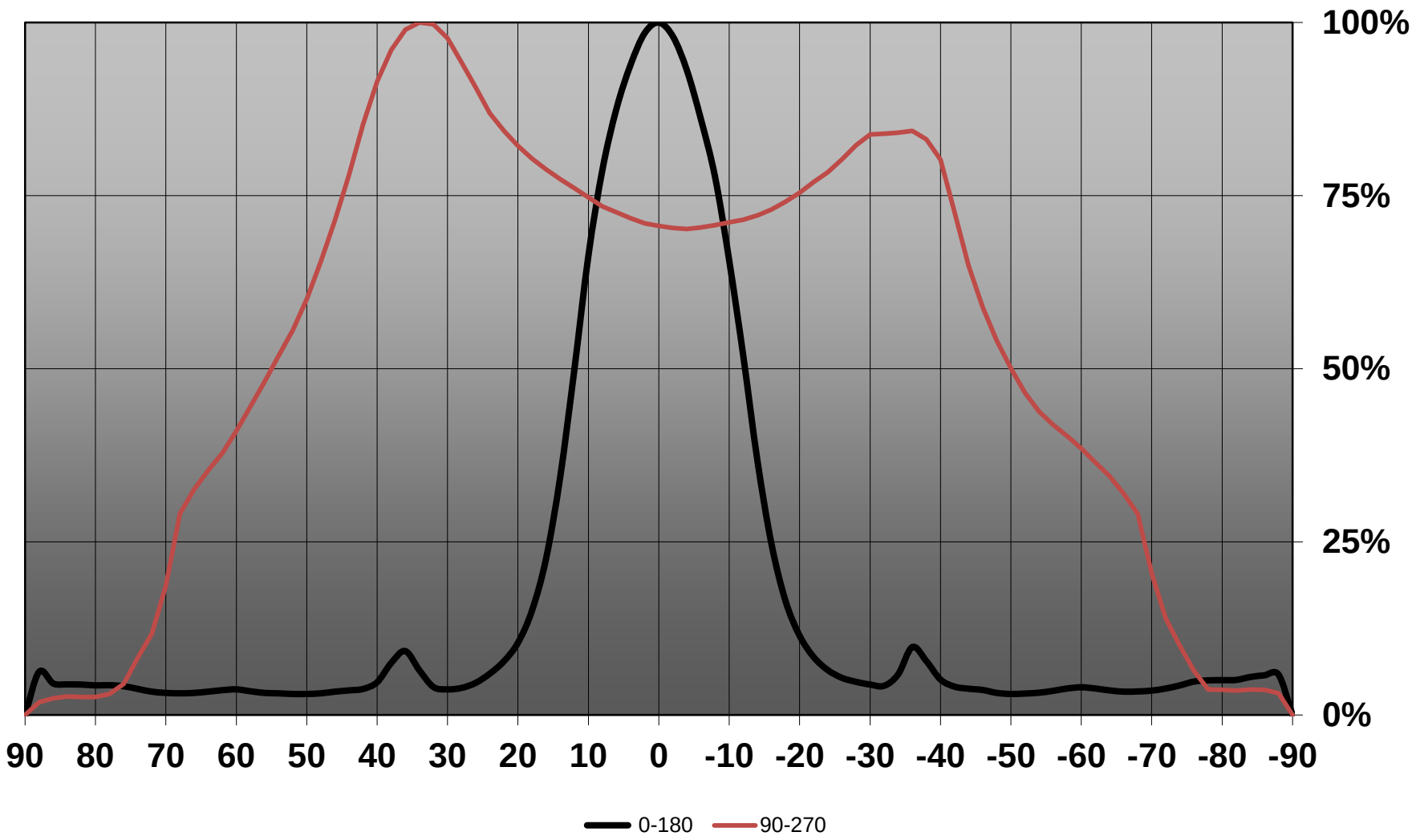
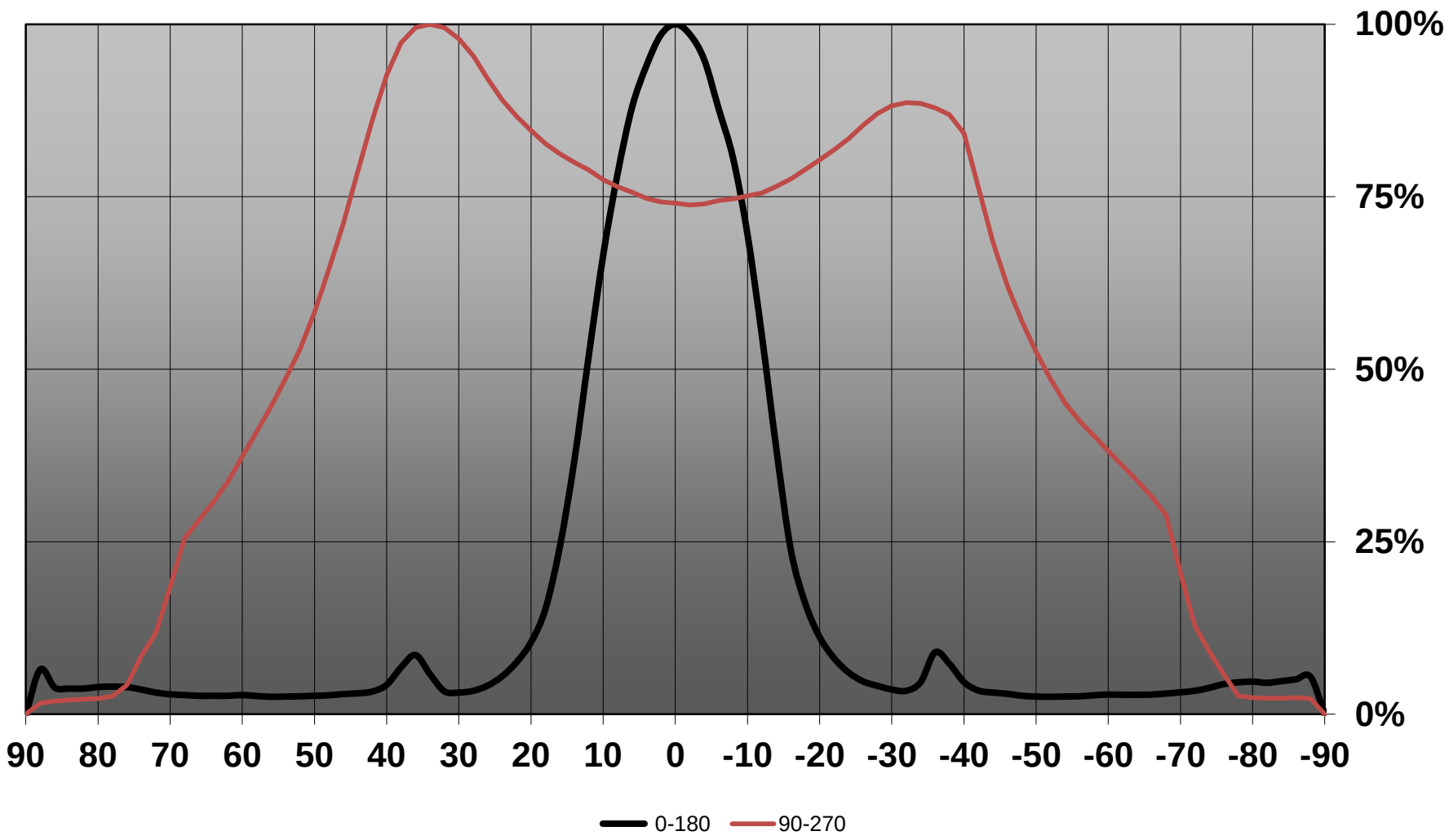
email: ledil@ledil.com
FAX: +358-2-733 8001

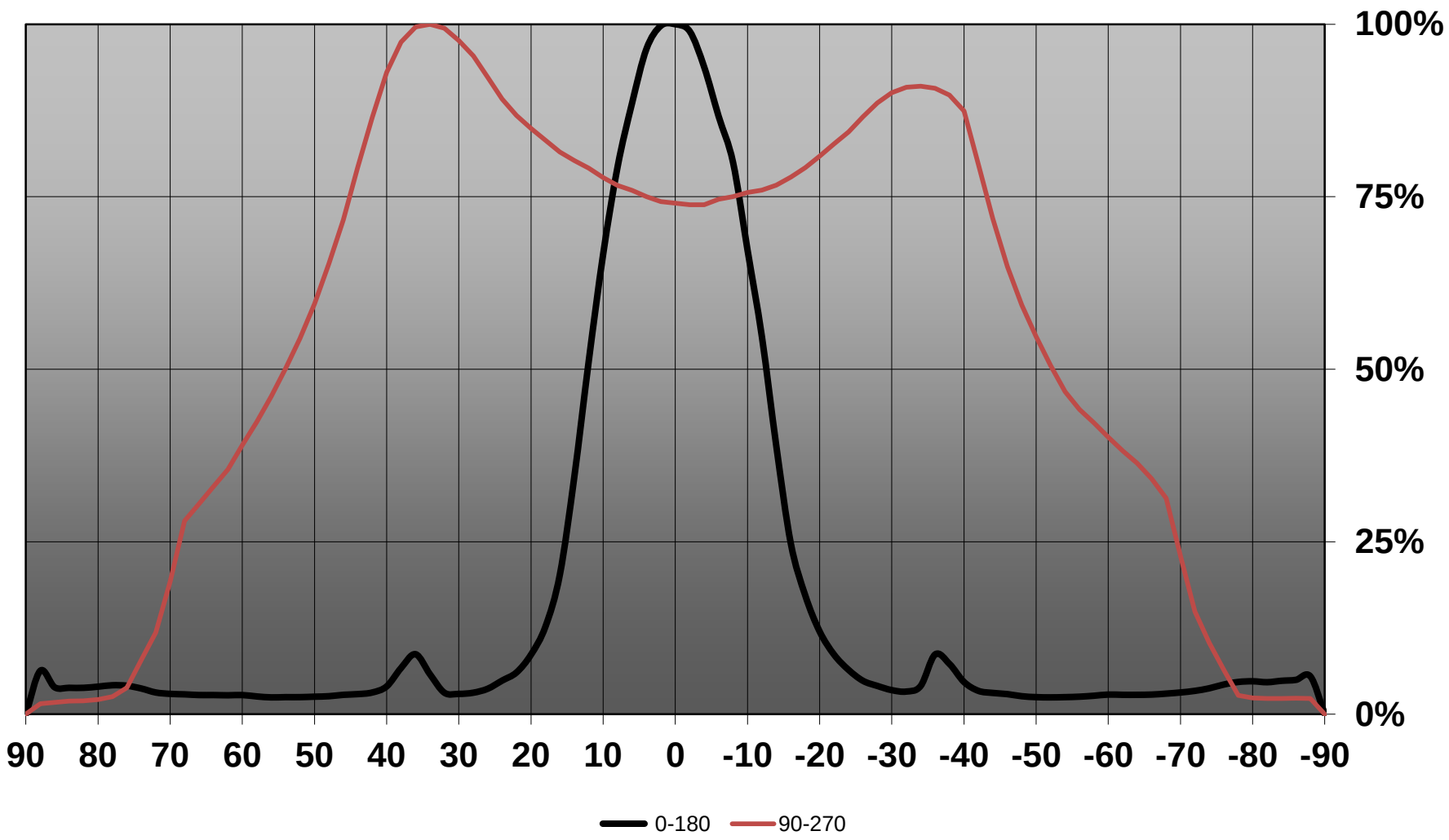
Relative intensity of C13749_HB-2X2-O_(NVSxx19A)

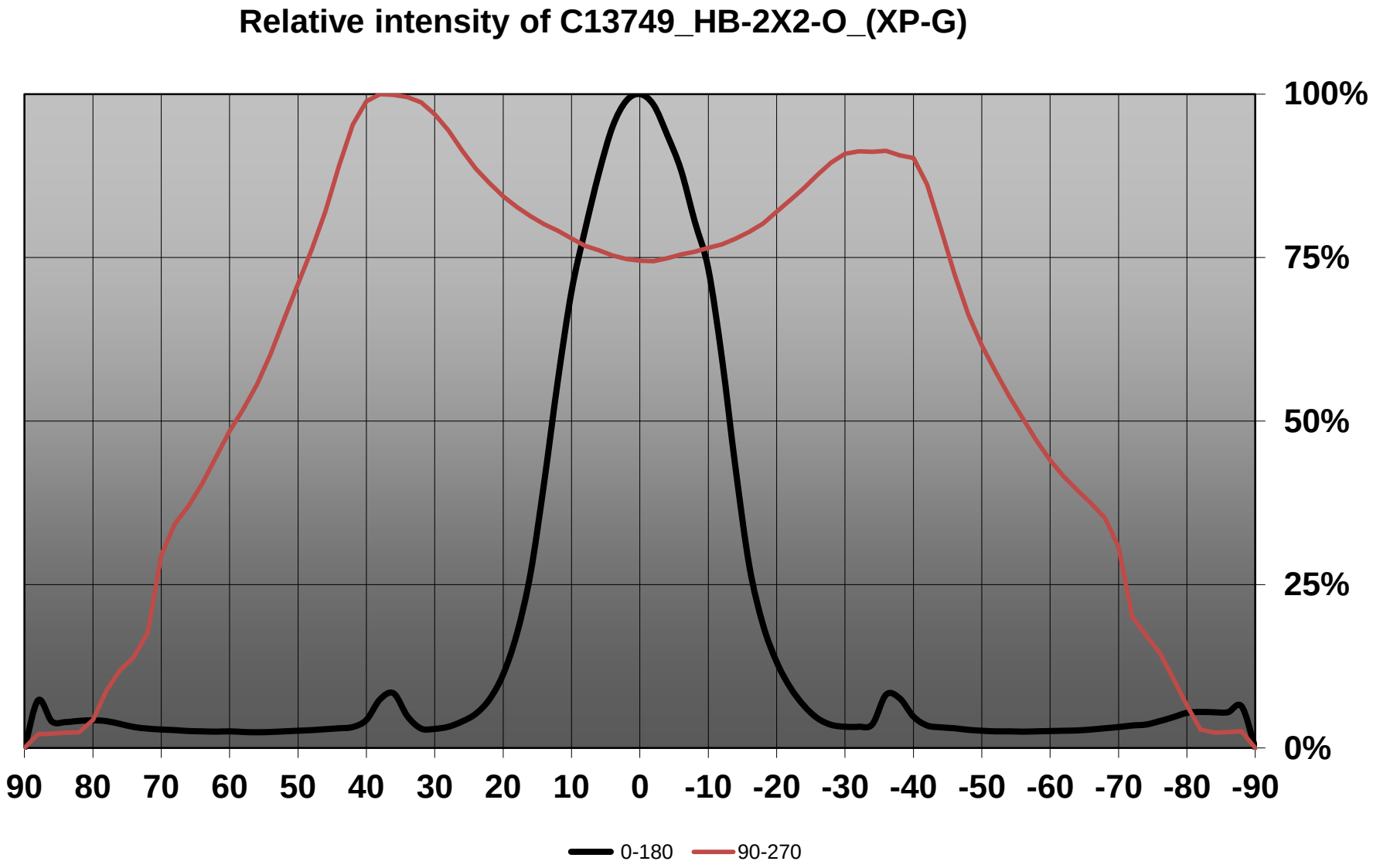


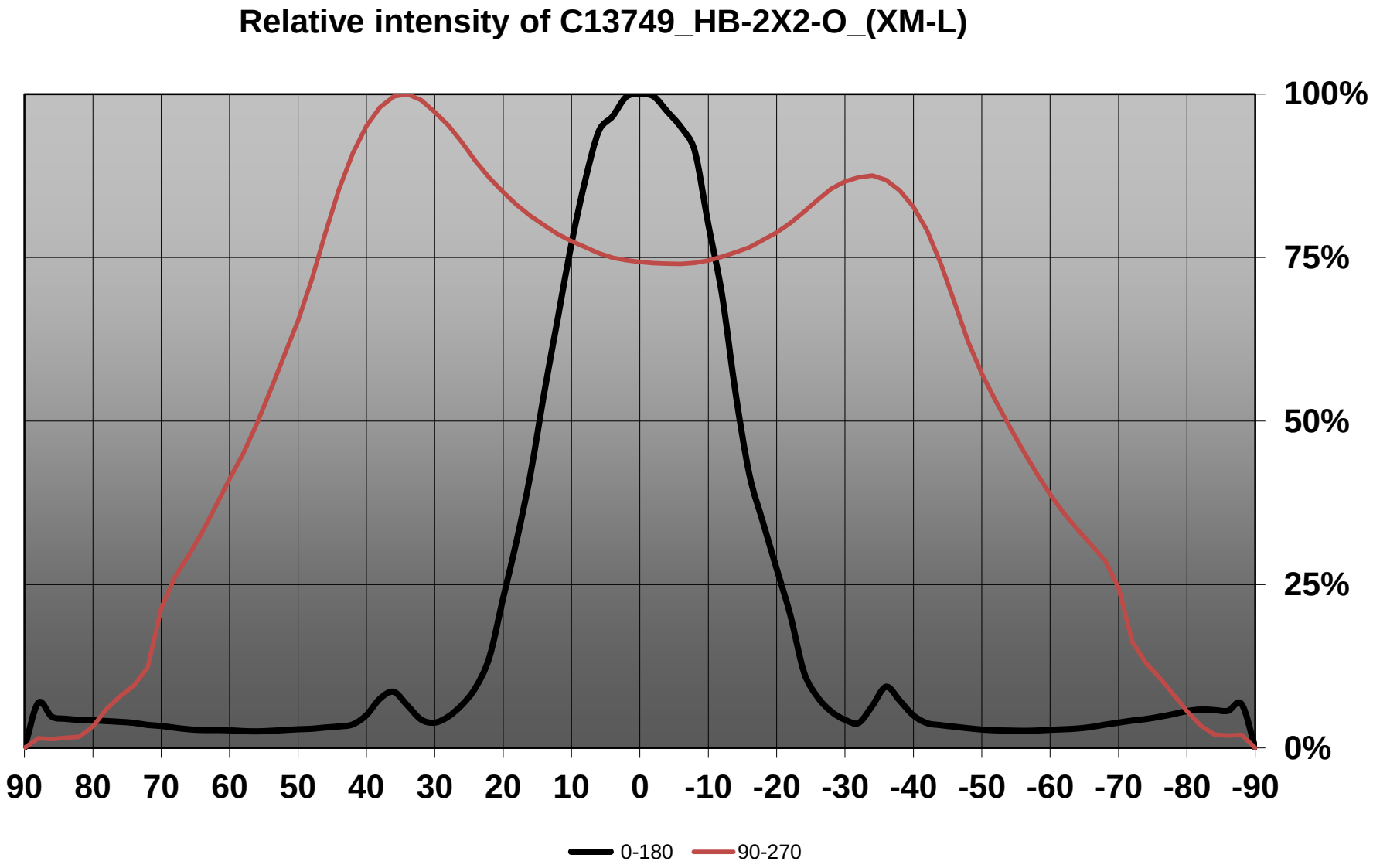
Relative intensity of C13749_HB-2X2-O_(Luxeon R)

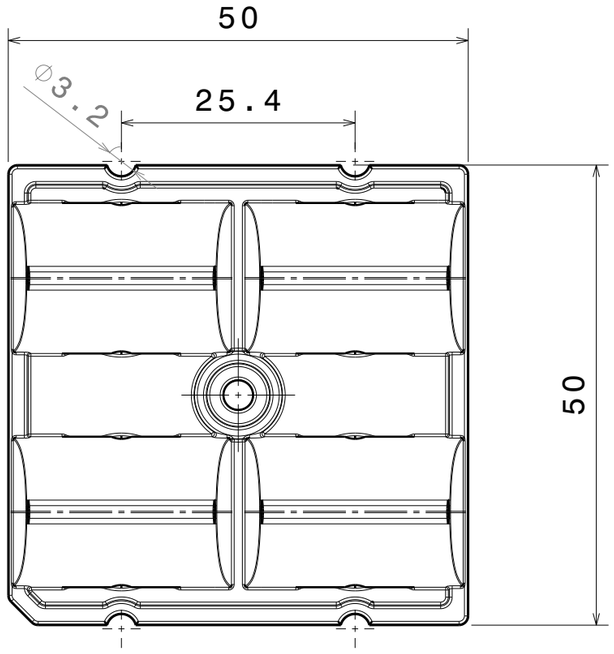


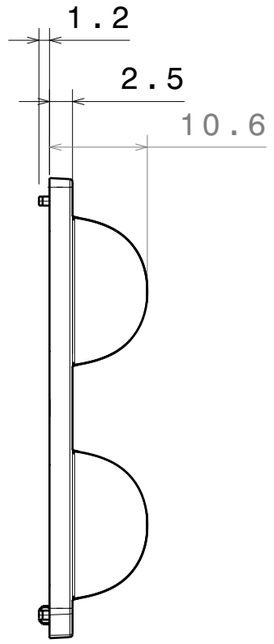
Relative intensity of C13749_HB-2X2-O_(Rebel ES)

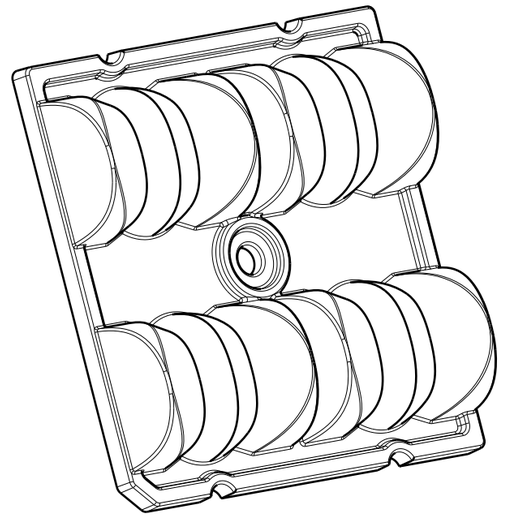



Relative intensity of C13749_HB-2X2-O_(XP-G)
100%
75%
50%
25%
0%
90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90
0-180
90-270

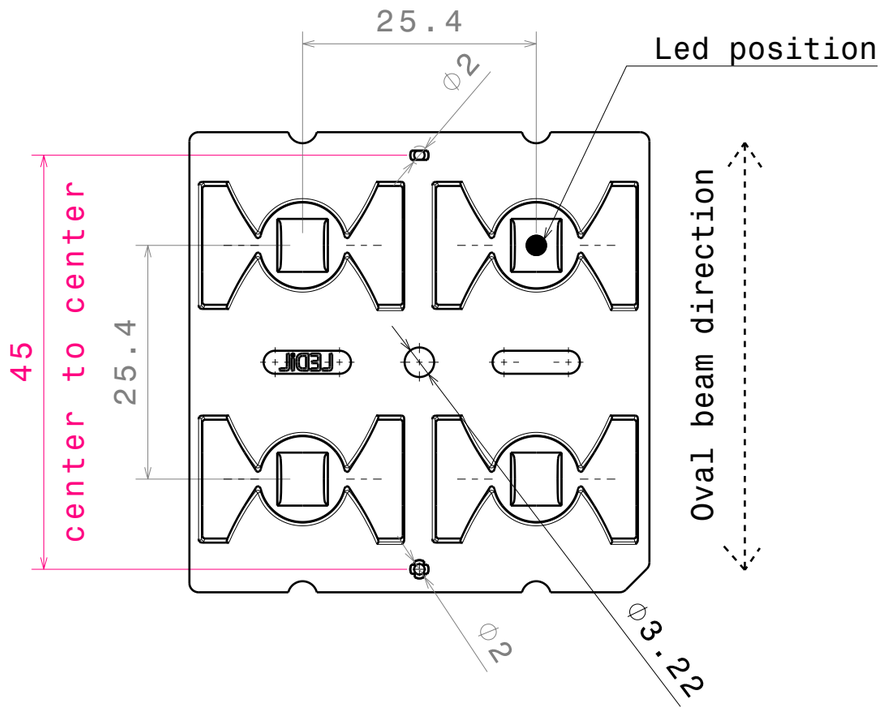

Relative intensity of C13749_HB-2X2-O_(XM-L)
100%
75%
50%
25%
0%
90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90
0-180
90-270







Isometric view



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	HB-2X2-0			

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class F, otherwise class M.
According to DIN ISO 2768-2
Form and position: class K

THIRD ANGLE PROJECTION:

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Finland

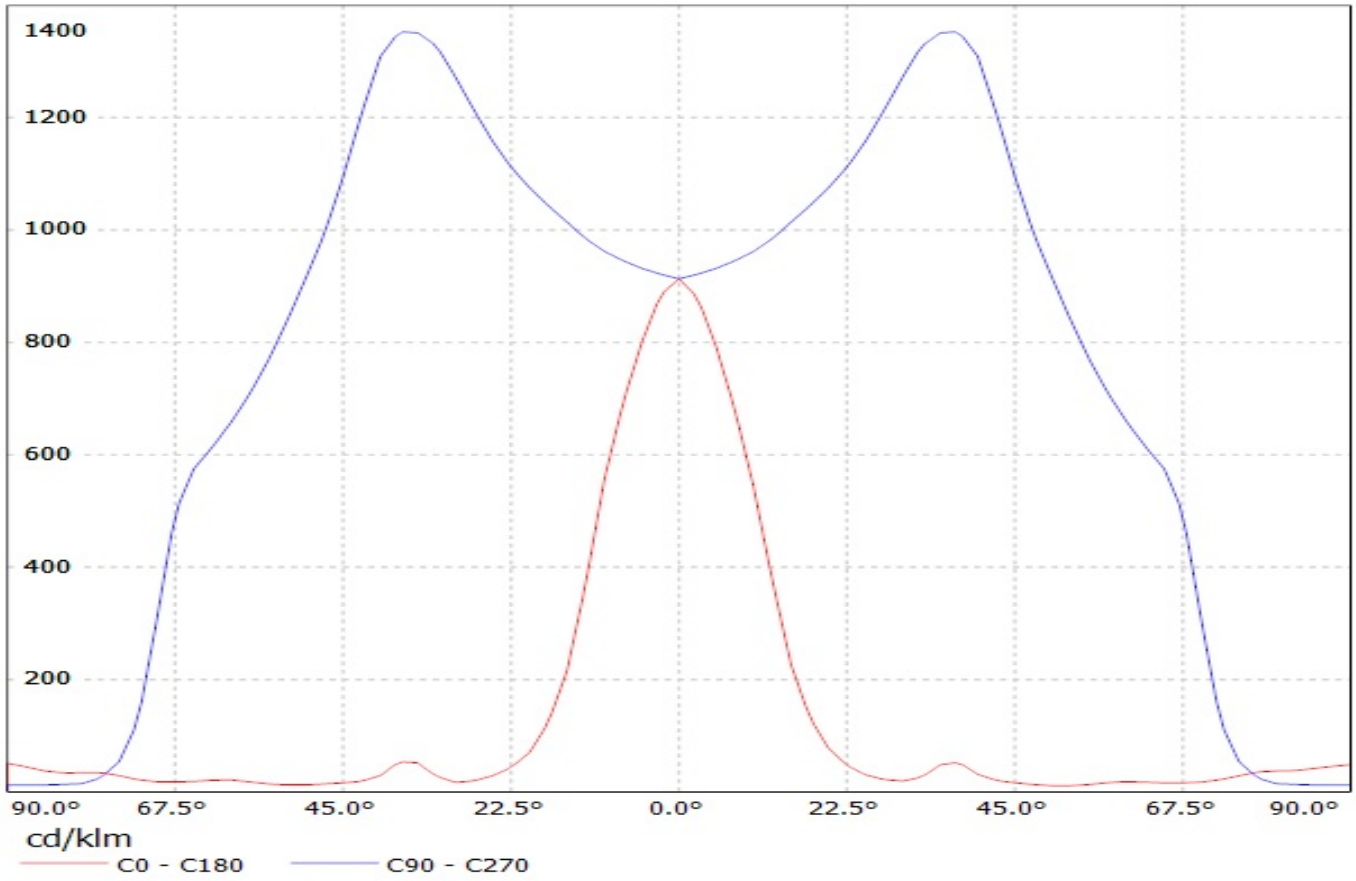
DRAWING TITLE
HB-2X2-0

SIZE A3

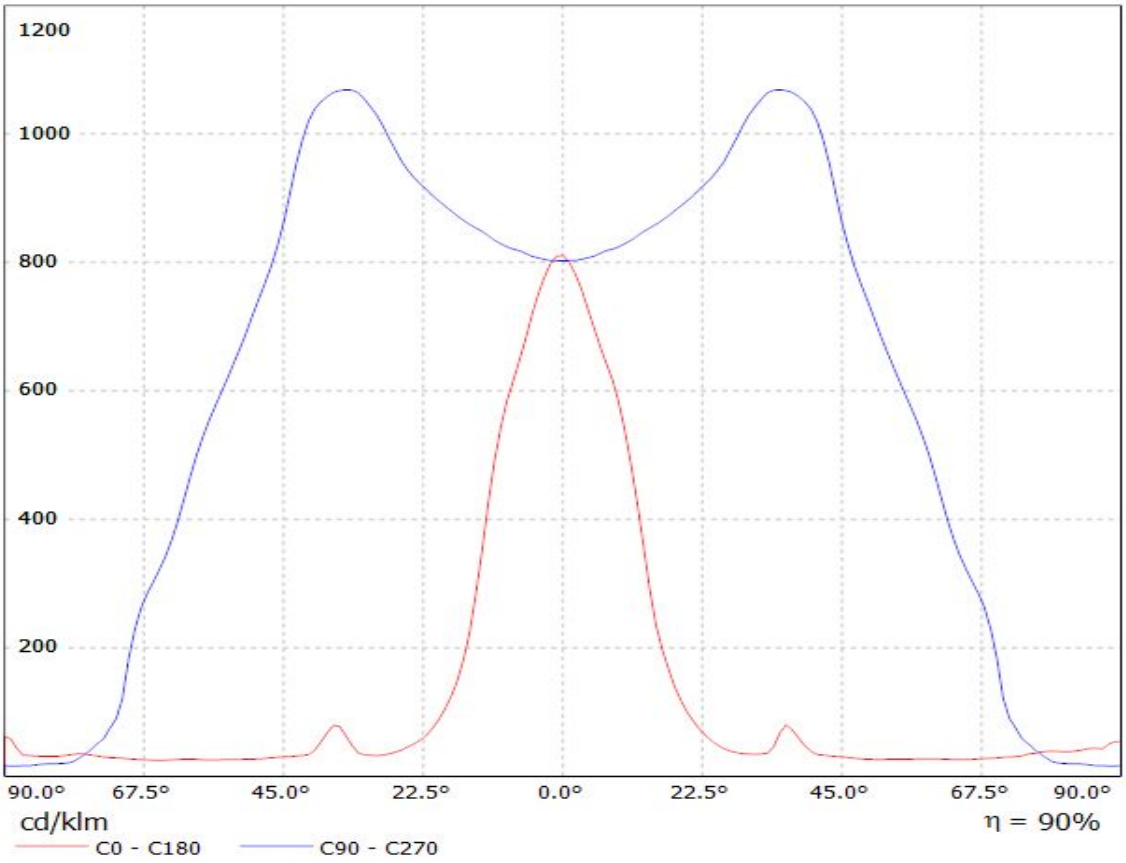
PART NUMBER -

SCALE 3:2 | WEIGHT - | SHEET 1/1

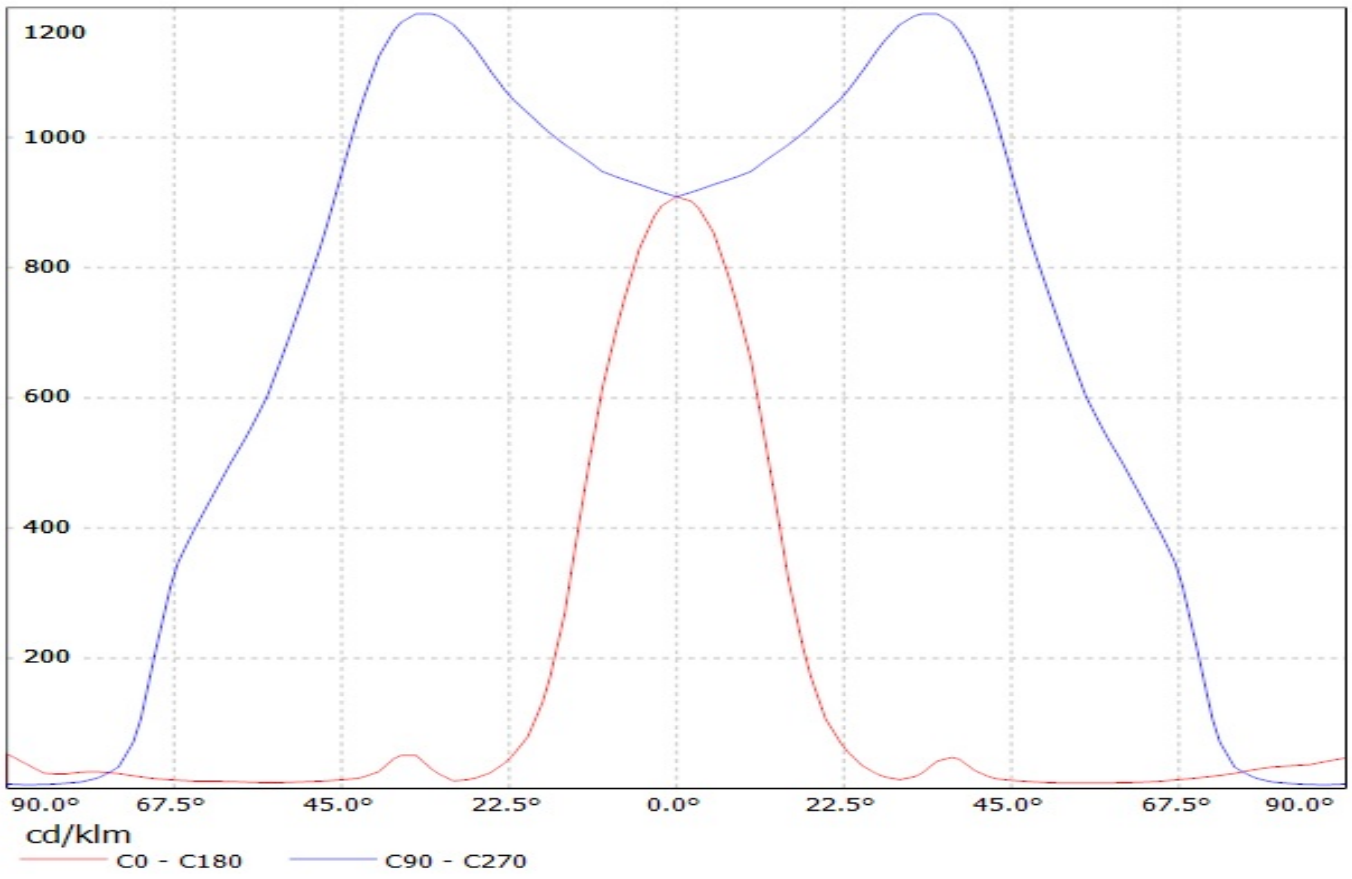
Luminaire: LEDil Oy C13749_HB-2X2-O_(NCSxx19B) Efficiency=94%
Lamps: 1 x Nichia NCSxx19B (NCSW119BE) 425lm @ 250mA CCT=5400K P=3.1W I=250mA



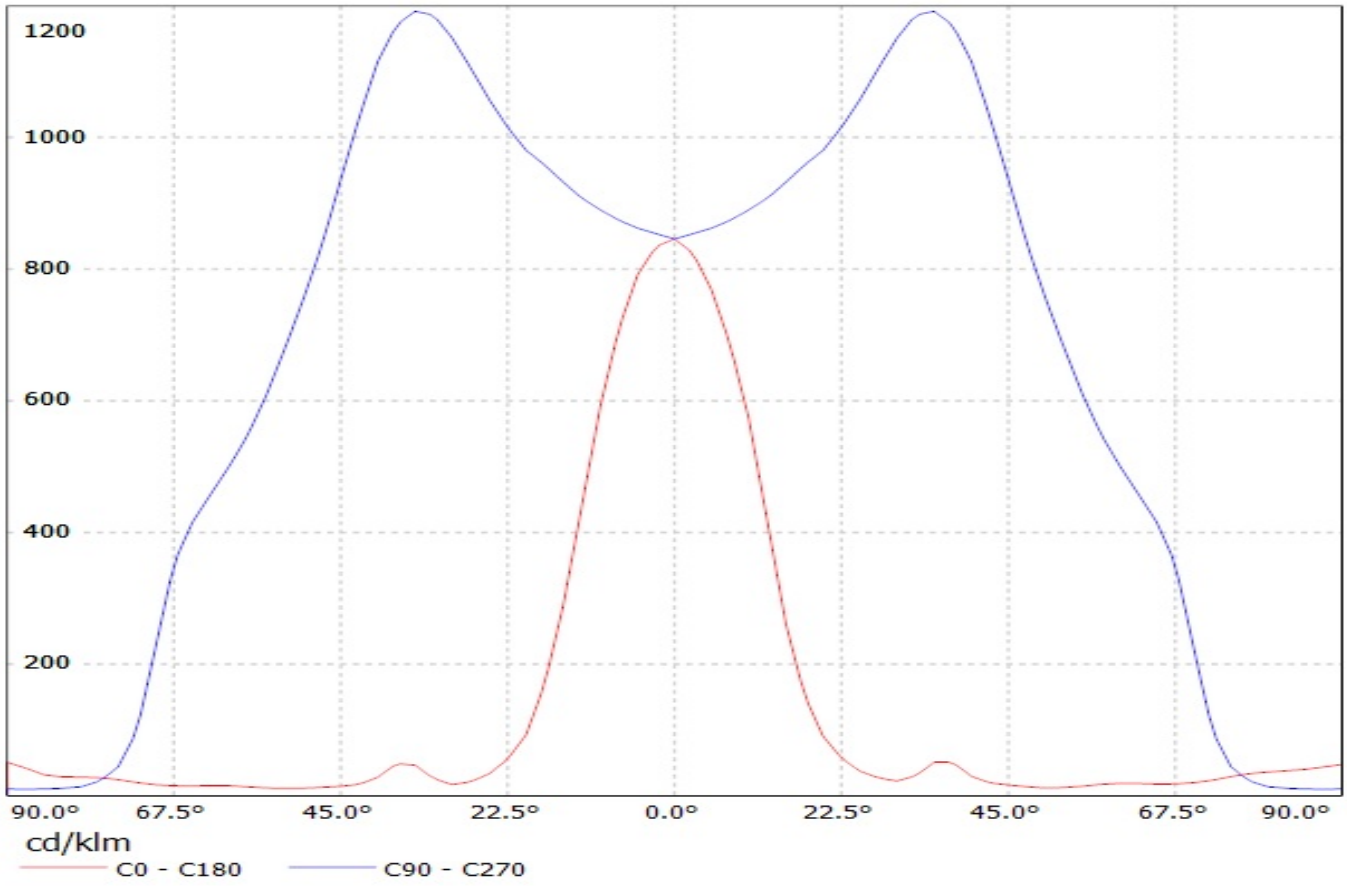
Luminaire: LEDiL Oy C13479_HB-2x2-O_(SQ-PC)
Lamps: 1 x OSRAM_OSLON_SQUARE_PC_2x2_(GWCSSRM1.PC)_414.854lm@250mA_P=2.8626W_CCT=5201K_I=249.9mA



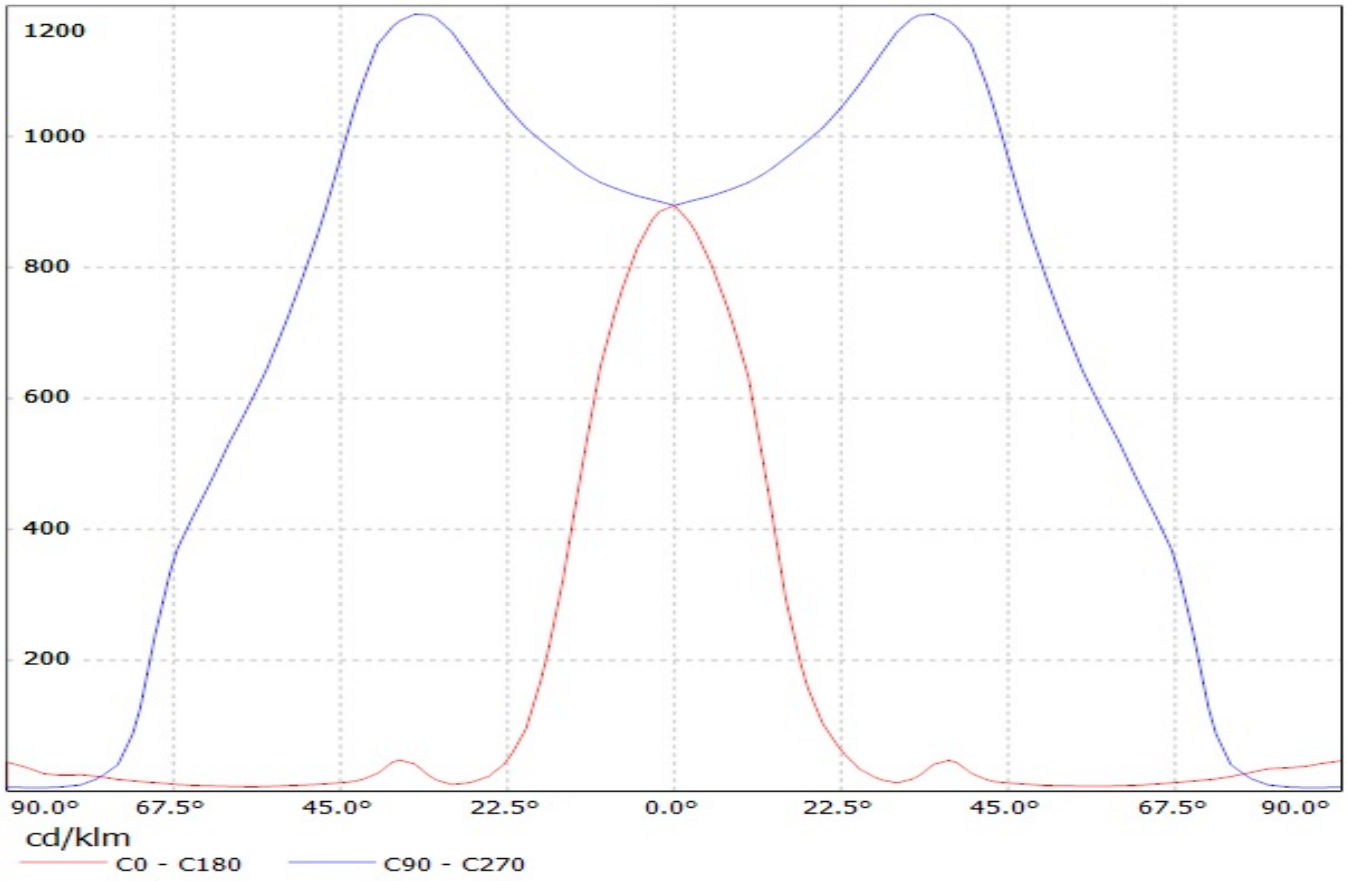
Luminaire: LEDil Oy C13749_HB-2X2-O_(Luxeon_T) Efficiency=94%
Lamps: 1 x Luxeon T (LXH8-FW30-3) 289lm @ 250mA CCT=3200K P=2.8W I=250mA



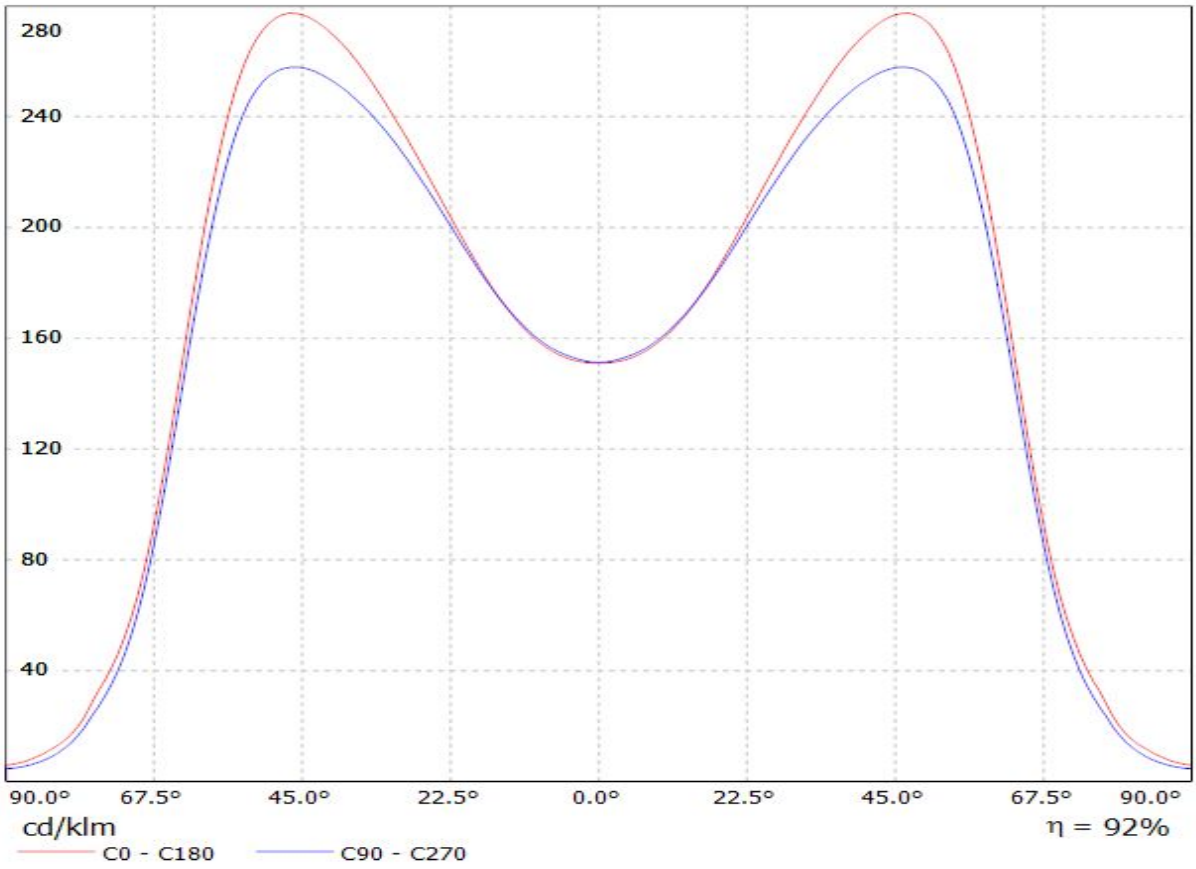
Luminaire: LEDil Oy C13749_HB-2X2-O_(NVSxx19B) Efficiency=94%
Lamps: 1 x Nichia NCSxx19B (NVSL219BE) 315lm @ 250mA CCT=3100K P=2.9W I=250mA



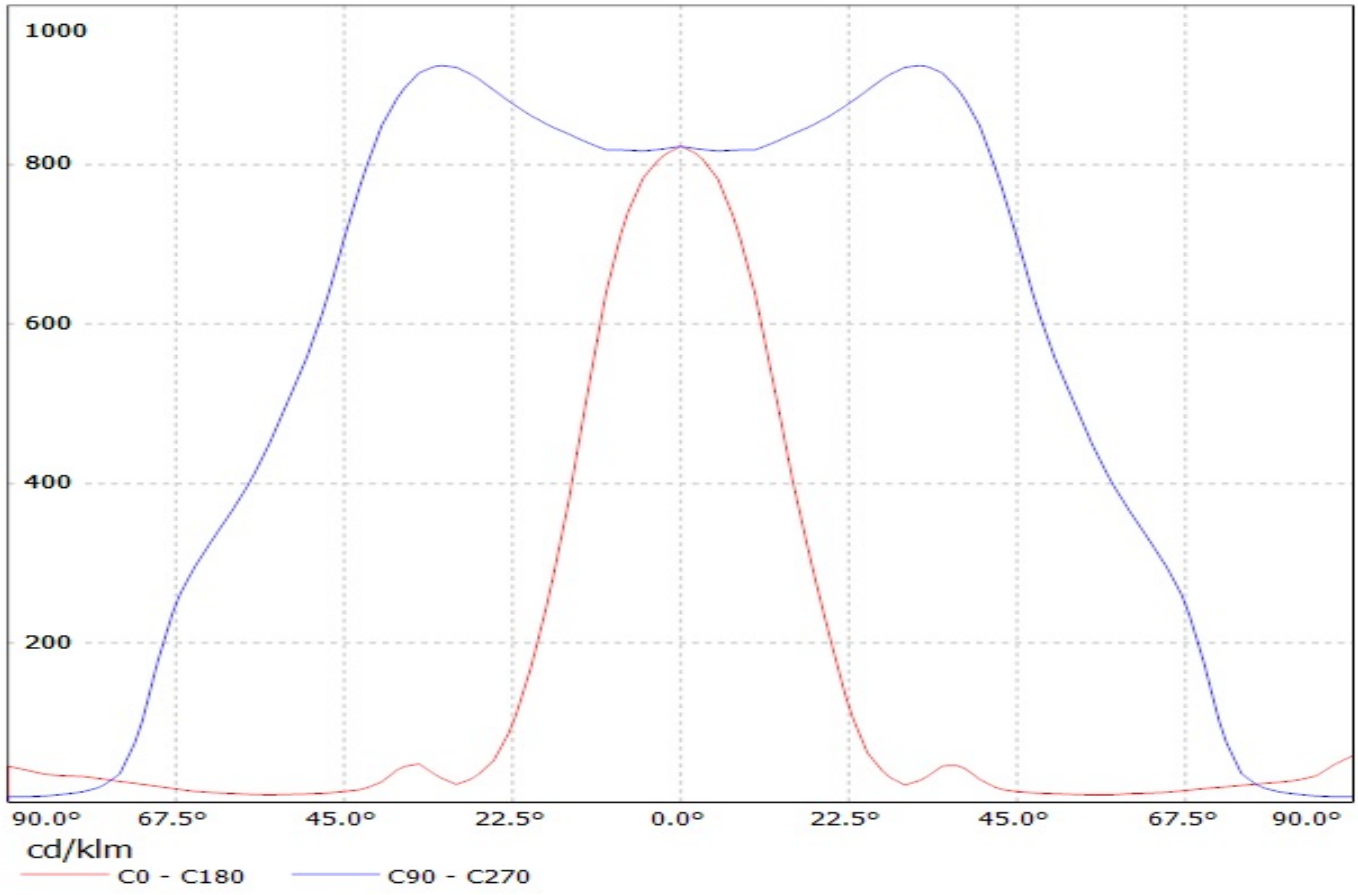
Luminaire: LEDil Oy C13749_HB-2X2-O_(XP-G2) Efficiency=94%
Lamps: 1 x Cree XP-G2 (XPGBWT-L1-000-00G51) 411lm @ 250mA CCT=7200K P=2.9W I=250mA



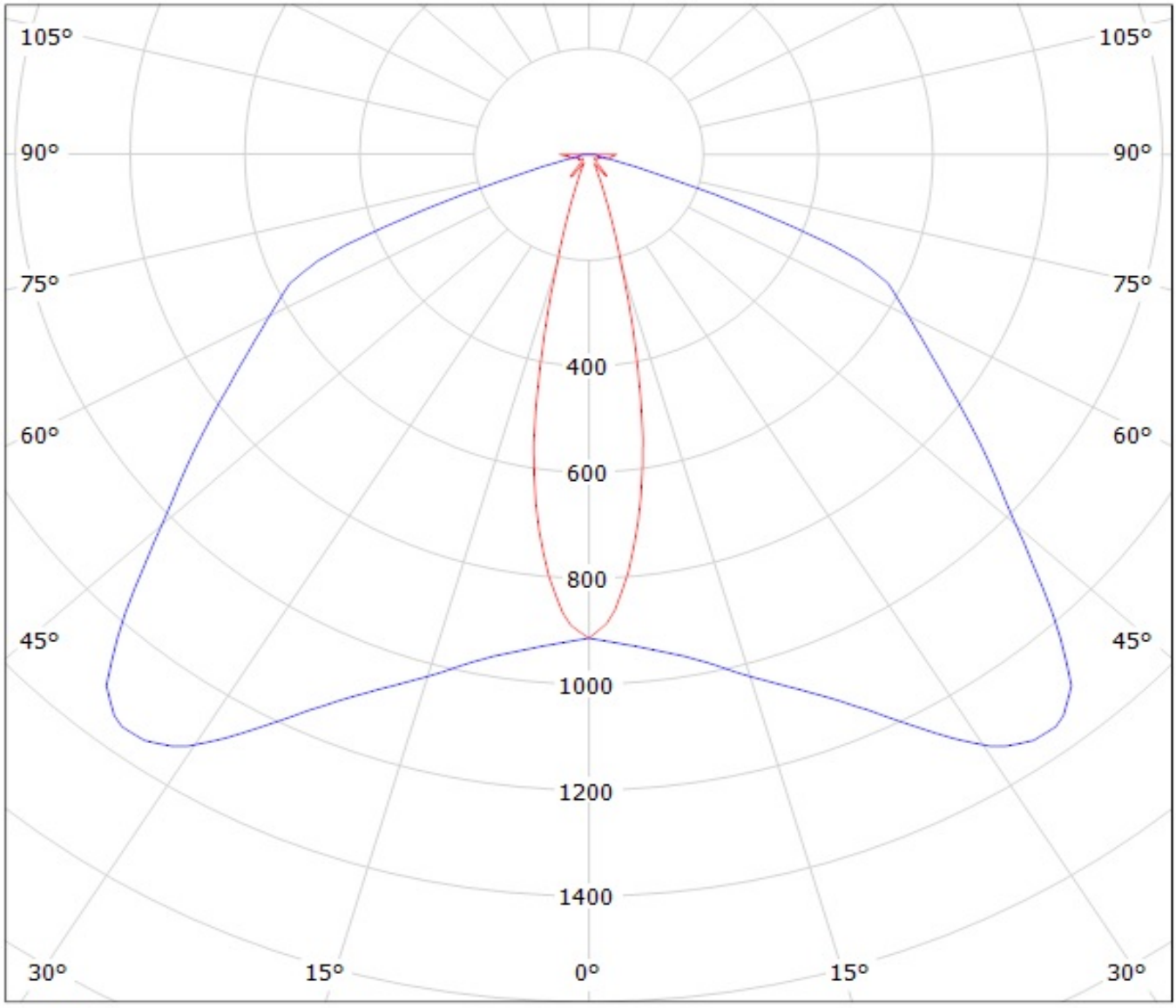
Luminaire: LEDiL Oy C13937_STRADA-2x2-C-STP_(XP-L)
Lamps: 1 x CREE_XP-L_2x2_(XPLAWT-0-1B0-V40-00-0001)_504.373lm@250mA_CCT=7600K_P=2.79963W_I=249.9mA



Luminaire: LEDil Oy C13749_HB-2X2-O_(XM-L2) Efficiency=94%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 356lm @ 250mA CCT=3200K P=2.8W I=250mA



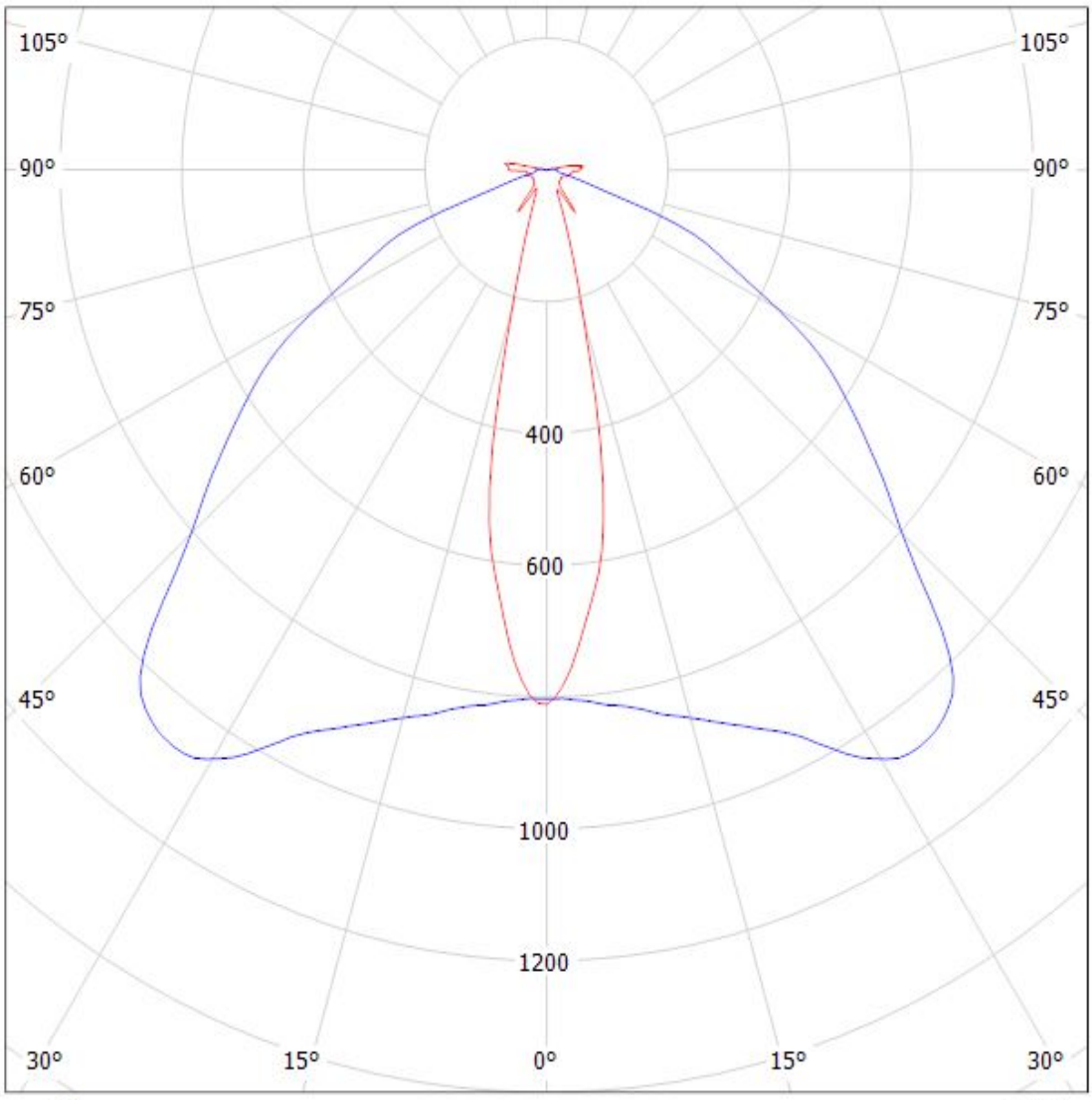
Luminaire: LEDil Oy C13749_HB-2X2-O_(NCSxx19B) Efficiency=94%
Lamps: 1 x Nichia NCSxx19B (NCSW119BE) 425lm @ 250mA CCT=5400K P=3.1W I=250mA



cd/klm

C0 - C180 C90 - C270

Luminaire: LEDiL Oy C13479_HB-2x2-O_(SQ-PC)
Lamps: 1 x OSRAM_OSLON_SQUARE_PC_2x2_(GWCSSRM1.PC)_414.854lm@250mA_P=2.8626W_CCT=5201K_I=249.9mA

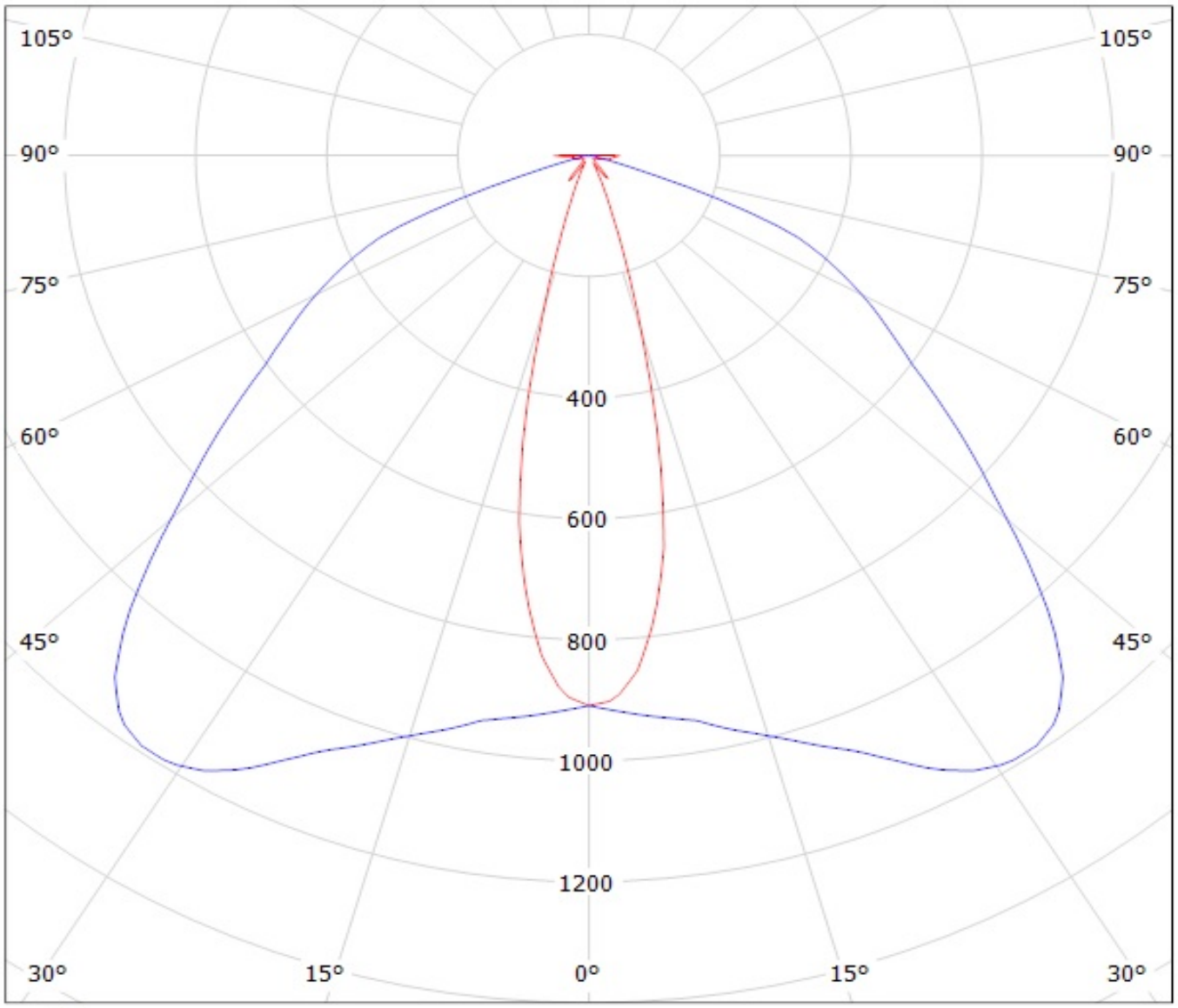


cd/klm

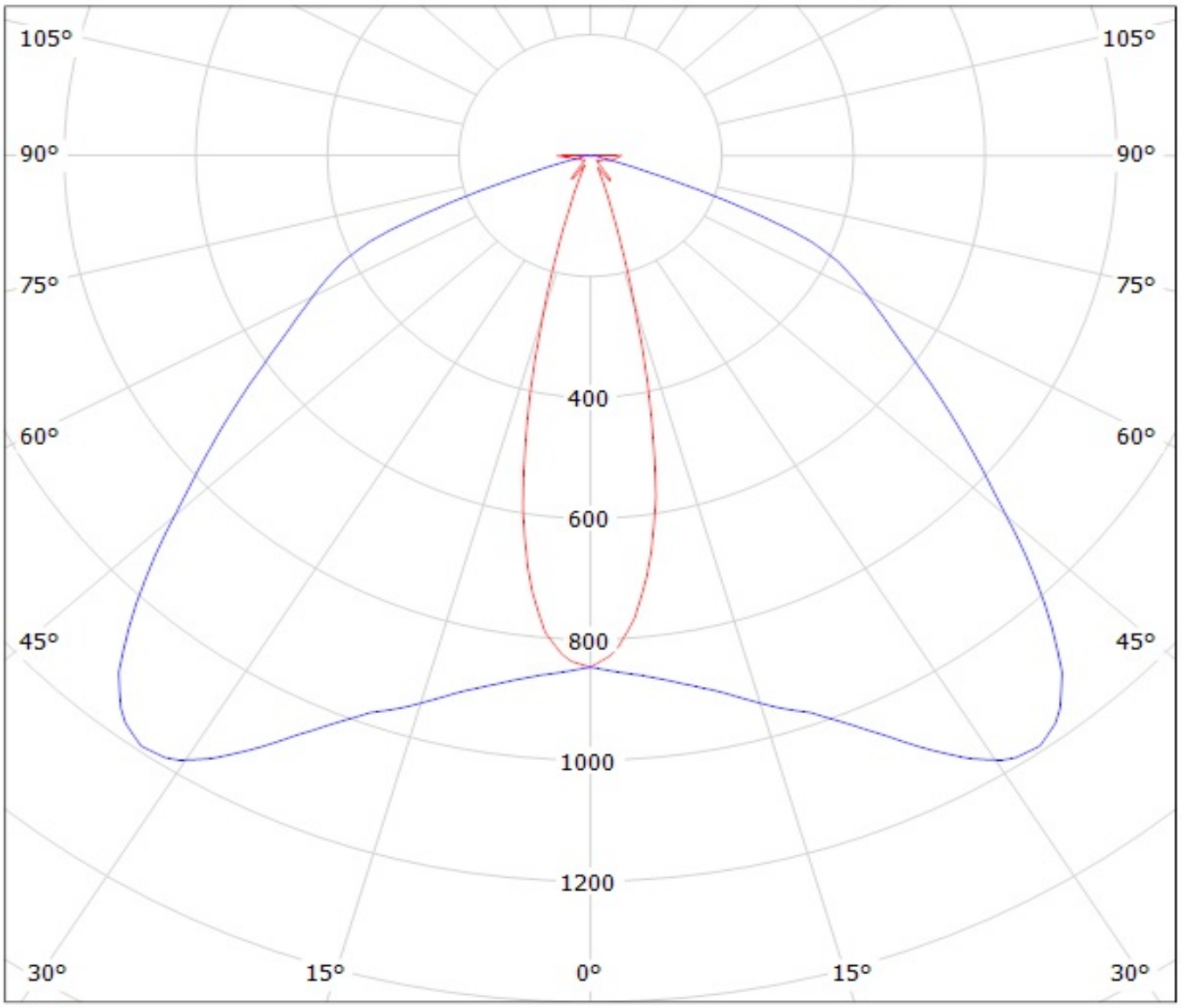
η = 90%

C0 - C180 C90 - C270

Luminaire: LEDil Oy C13749_HB-2X2-O_(Luxeon_T) Efficiency=94%
Lamps: 1 x Luxeon T (LXH8-FW30-3) 289lm @ 250mA CCT=3200K P=2.8W I=250mA



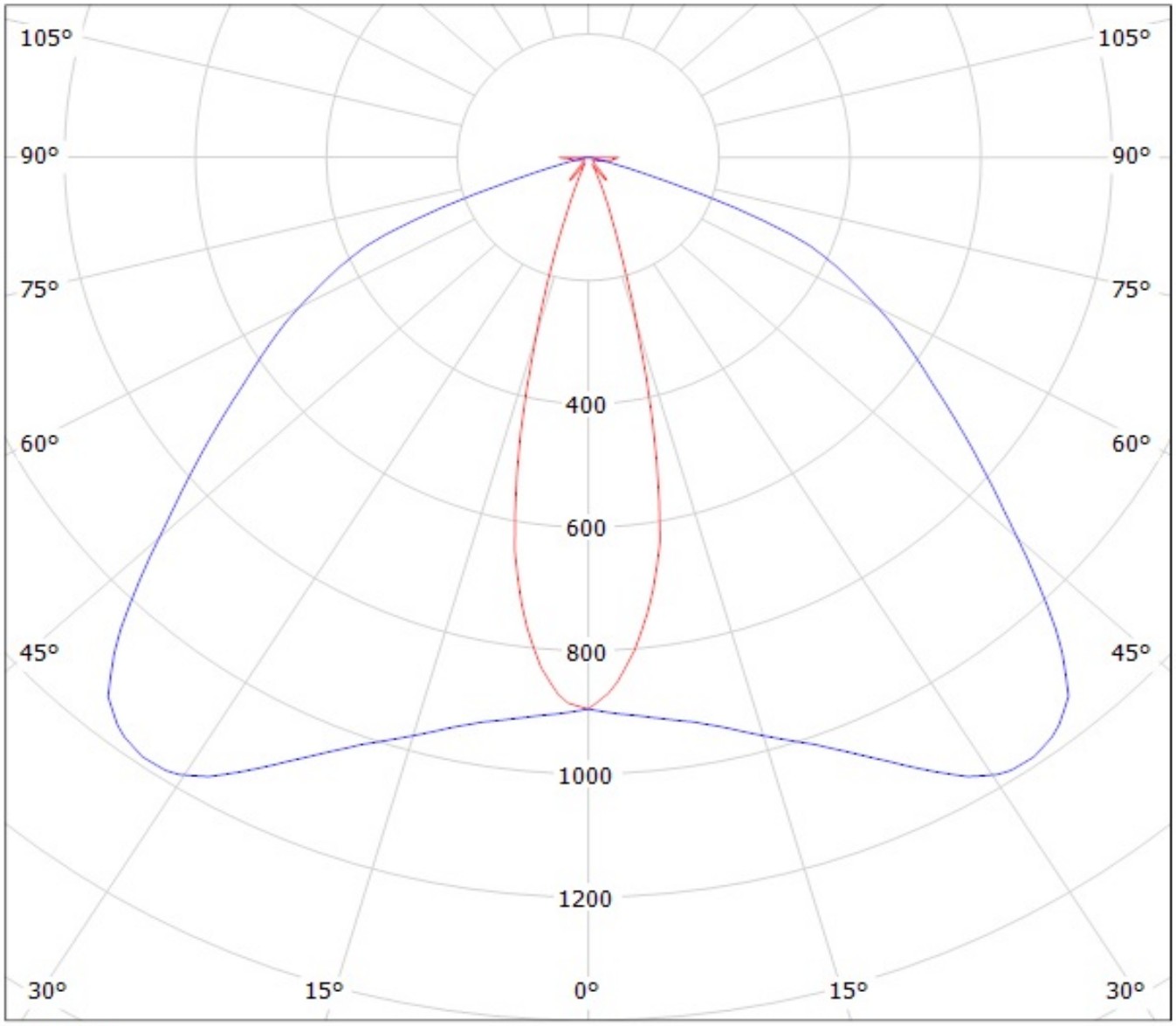
Luminaire: LEDil Oy C13749_HB-2X2-O_(NVSxx19B) Efficiency=94%
Lamps: 1 x Nichia NCSxx19B (NVSL219BE) 315lm @ 250mA CCT=3100K P=2.9W I=250mA



cd/klm

C0 - C180 C90 - C270

Luminaire: LEDil Oy C13749_HB-2X2-O_(XP-G2) Efficiency=94%
Lamps: 1 x Cree XP-G2 (XPGBWT-L1-000-00G51) 411lm @ 250mA CCT=7200K P=2.9W I=250mA



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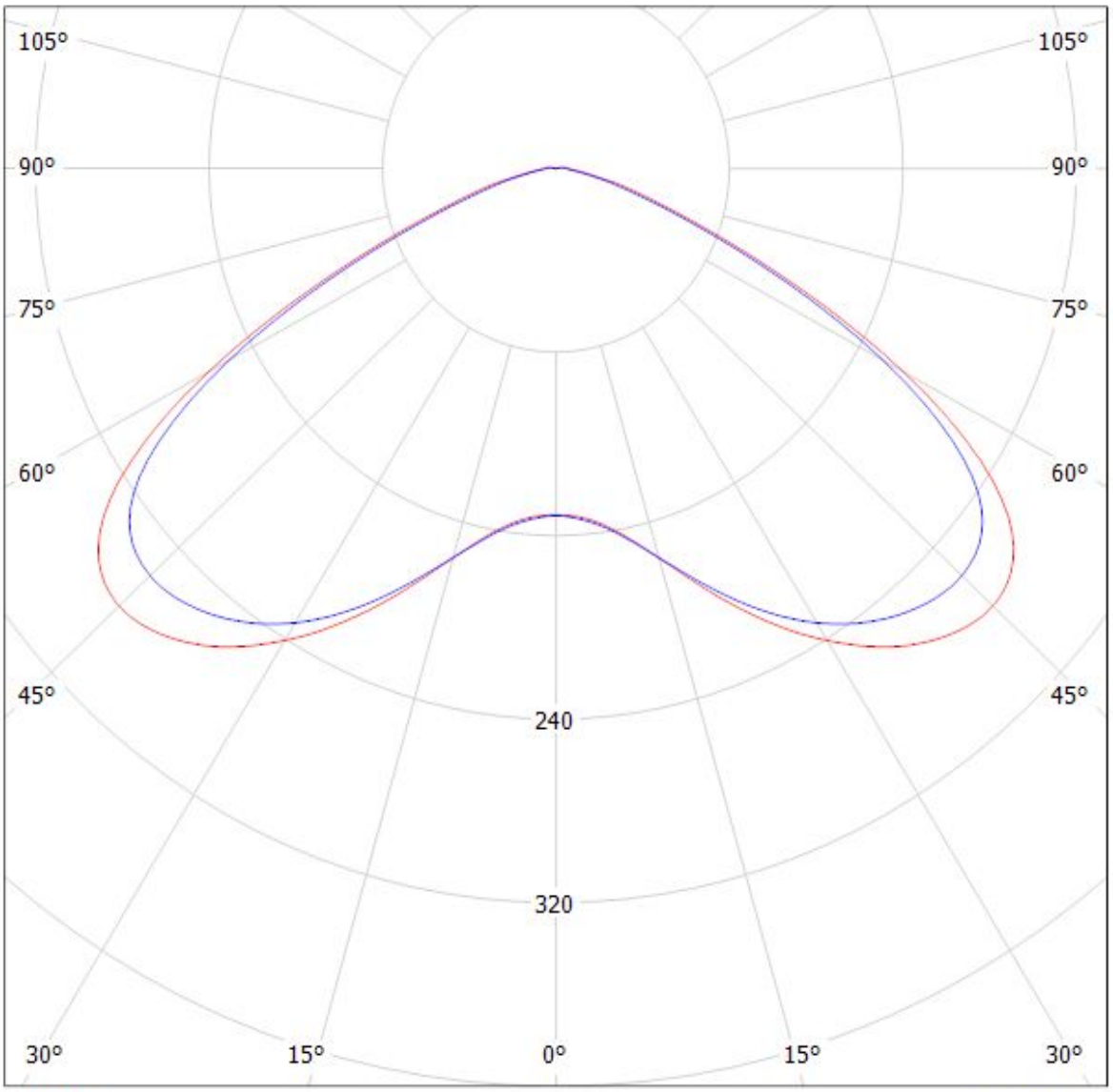
Lamps: 1 x CREE_XP-L_2x2_(XPLAWT-0-1B0-V40-00-0001)_504.373lm@250mA_CCT=7600K_P=2.79963W_I=249.9mA

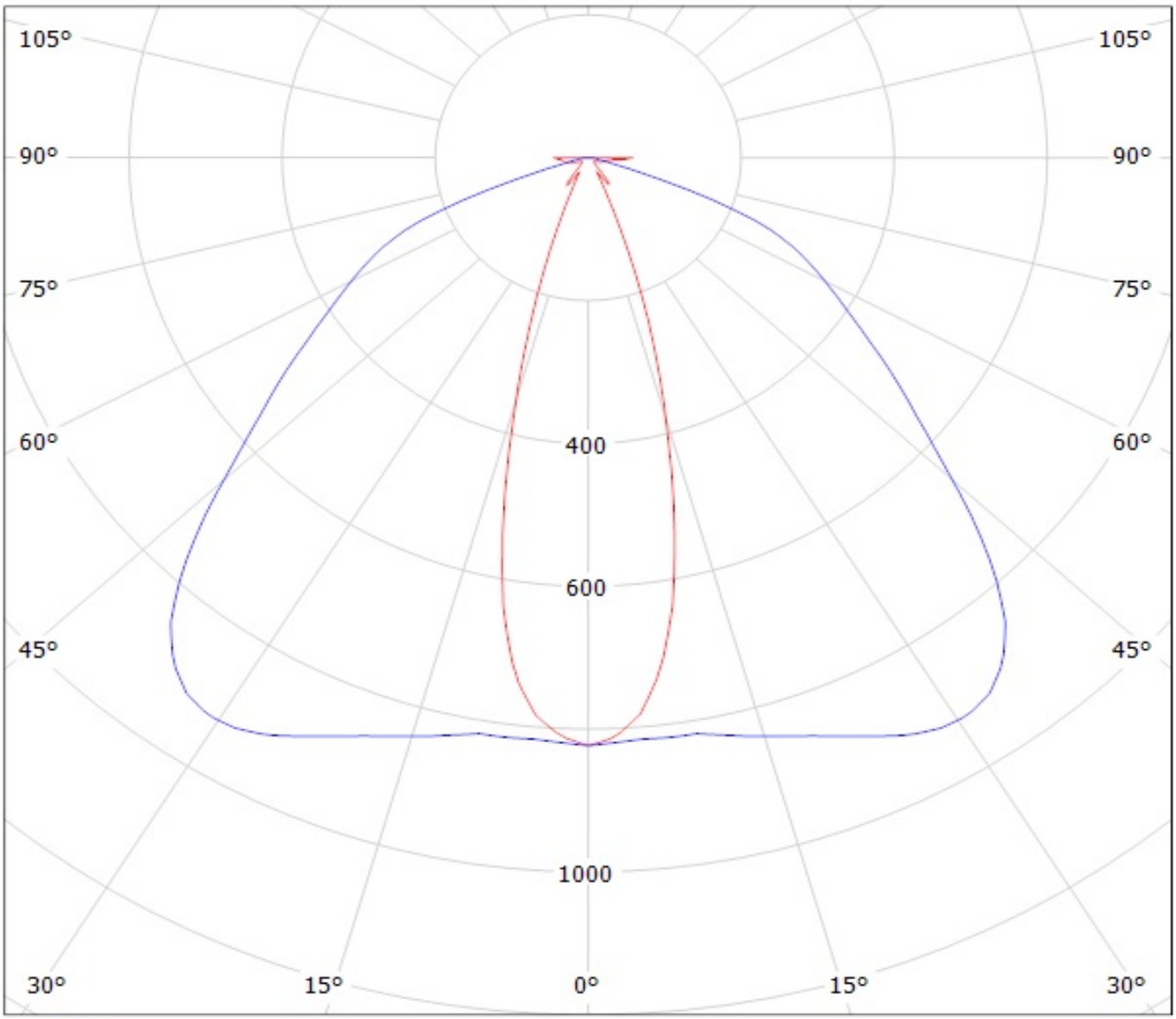


cd/klm

η = 92%

C0 - C180 C90 - C270

Luminaire: LEDil Oy C13749_HB-2X2-O_(XM-L2) Efficiency=94%
Lamps: 1 x Cree XM-L2 (XMLBWT-0-7B4-T30-0L-0001) 356lm @ 250mA CCT=3200K P=2.8W 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.