

DETAILS

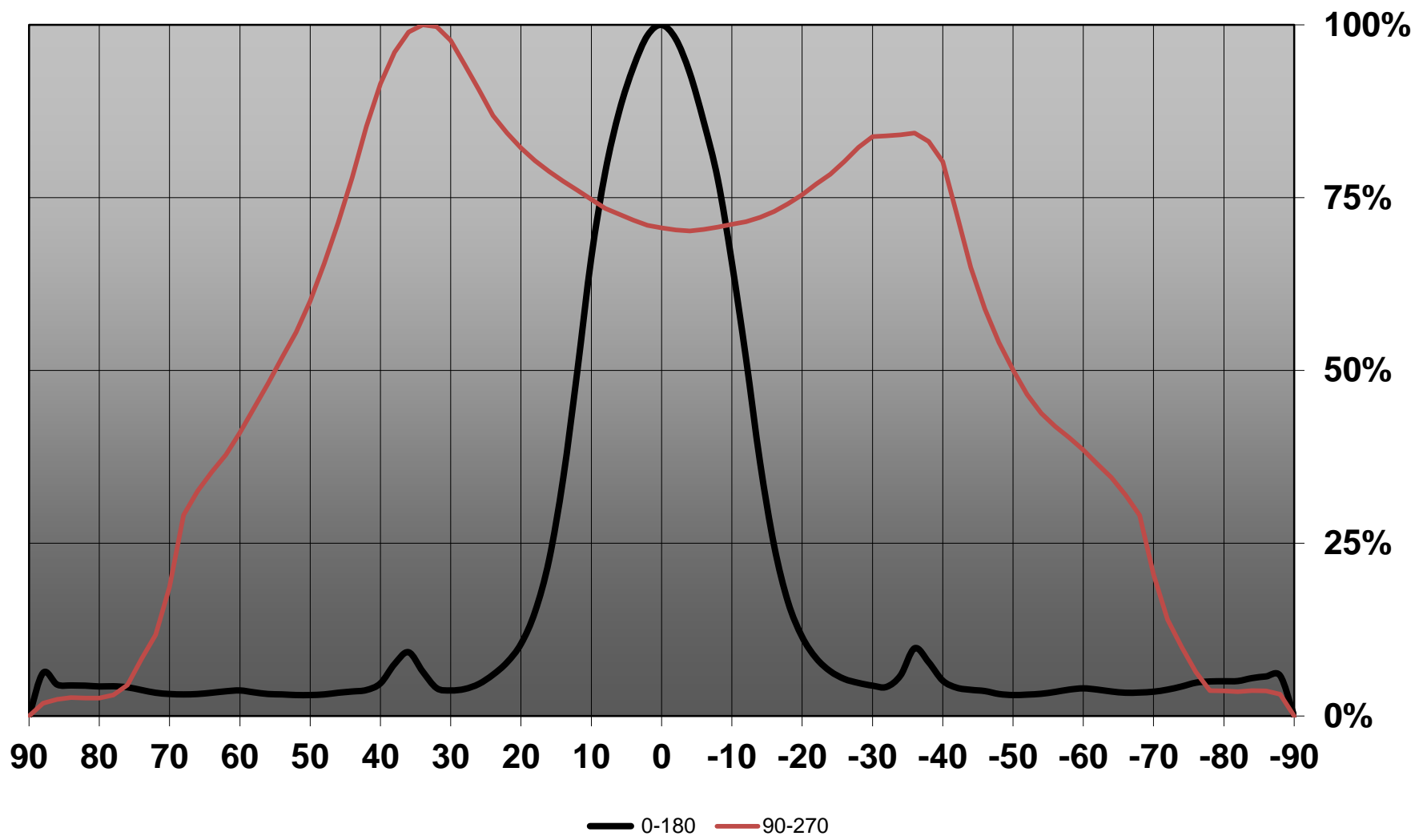
Product Number	C13749_HB-2X2-O
Family	High Bay
Type	Lens
Color	clear
Diameter	50 + 50 mm
Height	10,6 mm
Style	square
Optic Material	PMMA
Holder Material	
Fastening	screw, pin, glue
Status	ready
ROHS Compliant	Yes
Date Updated	16/04/2015



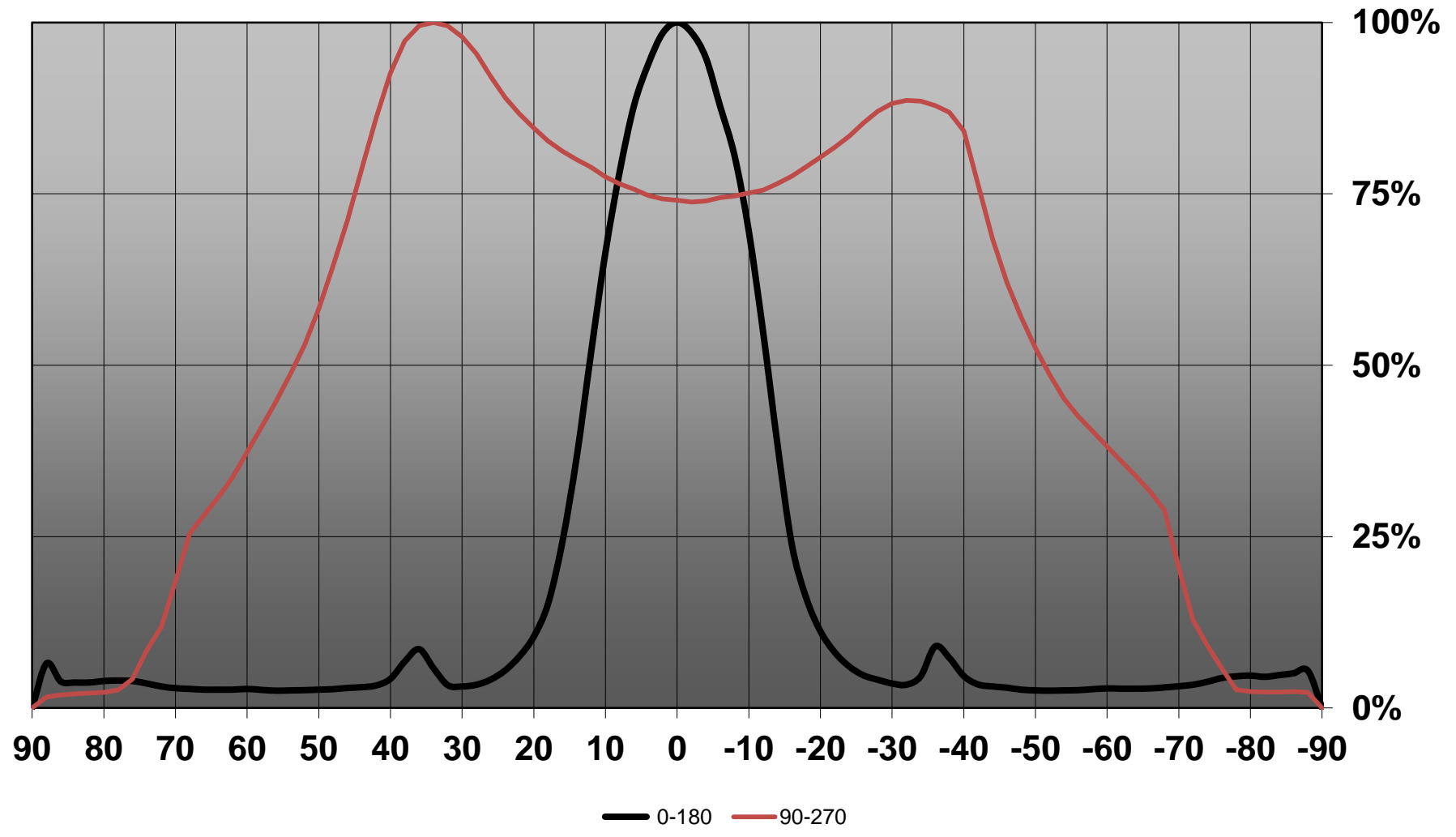
OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
Duris S8	sim: 95+25	Oval	sim: 93 %	sim: 0.950	-
NCSxx19B	23+113 deg	Oval	94 %	1.400	-
NVSxx19A	24+105 deg	Oval	94 %	1.220	-
TL1L4	24+119 deg	Oval	89 %	1.100	-
LUXEON TX	24+118 deg	Oval	94 %	1.080	-
Oslon Square PC	25+124 deg	Oval	91 %	1.070	-
LUXEON R	25+105 deg	Oval	94 %	1.240	-
LUXEON Rebel ES	25+106 deg	Oval	94 %	1.200	-
LUXEON T	26+110 deg	Oval	94 %	1.200	-
XP-G	26+115 deg	Oval	94 %	1.130	-
NVSxx19B/NVSxx19C	26+108 deg	Oval	94 %	1.200	-
LH351Z	26+117 deg	Oval	94 %	1.100	-
XP-G2	27+112 deg	Oval	94 %	1.200	-
LUXEON MZ	28+103 deg	Oval	94 %	1.100	-
XM-L	29+109 deg	Oval	94 %	0.980	-
XP-L	29+117 deg	Oval	94 %	0.890	-
XM-L2	30+106 deg	Oval	94 %	1.000	-

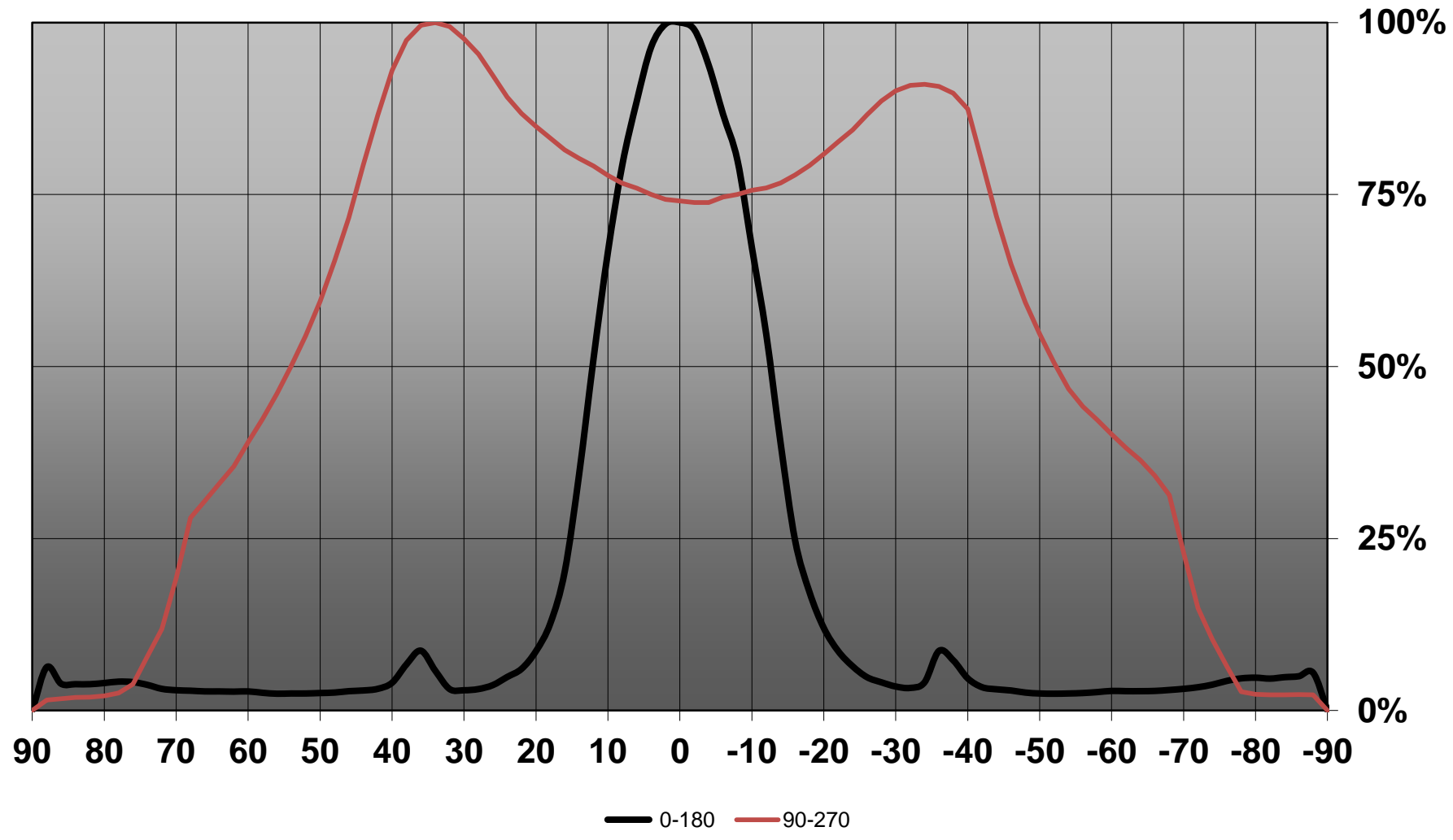
Relative intensity of C13749_HB-2X2-O_(NVSxx19A)



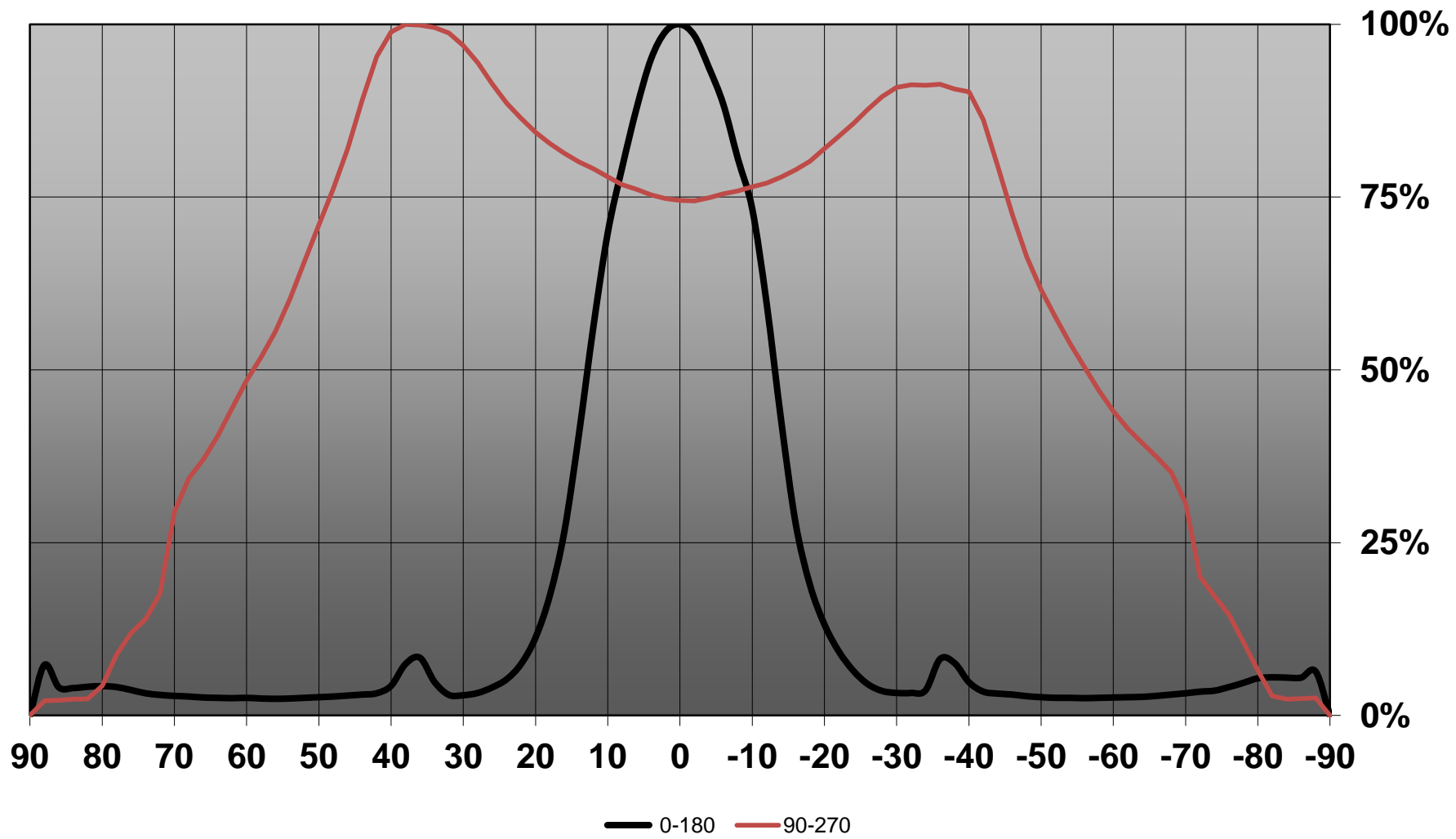
Relative intensity of C13749_HB-2X2-O_(Luxeon R)



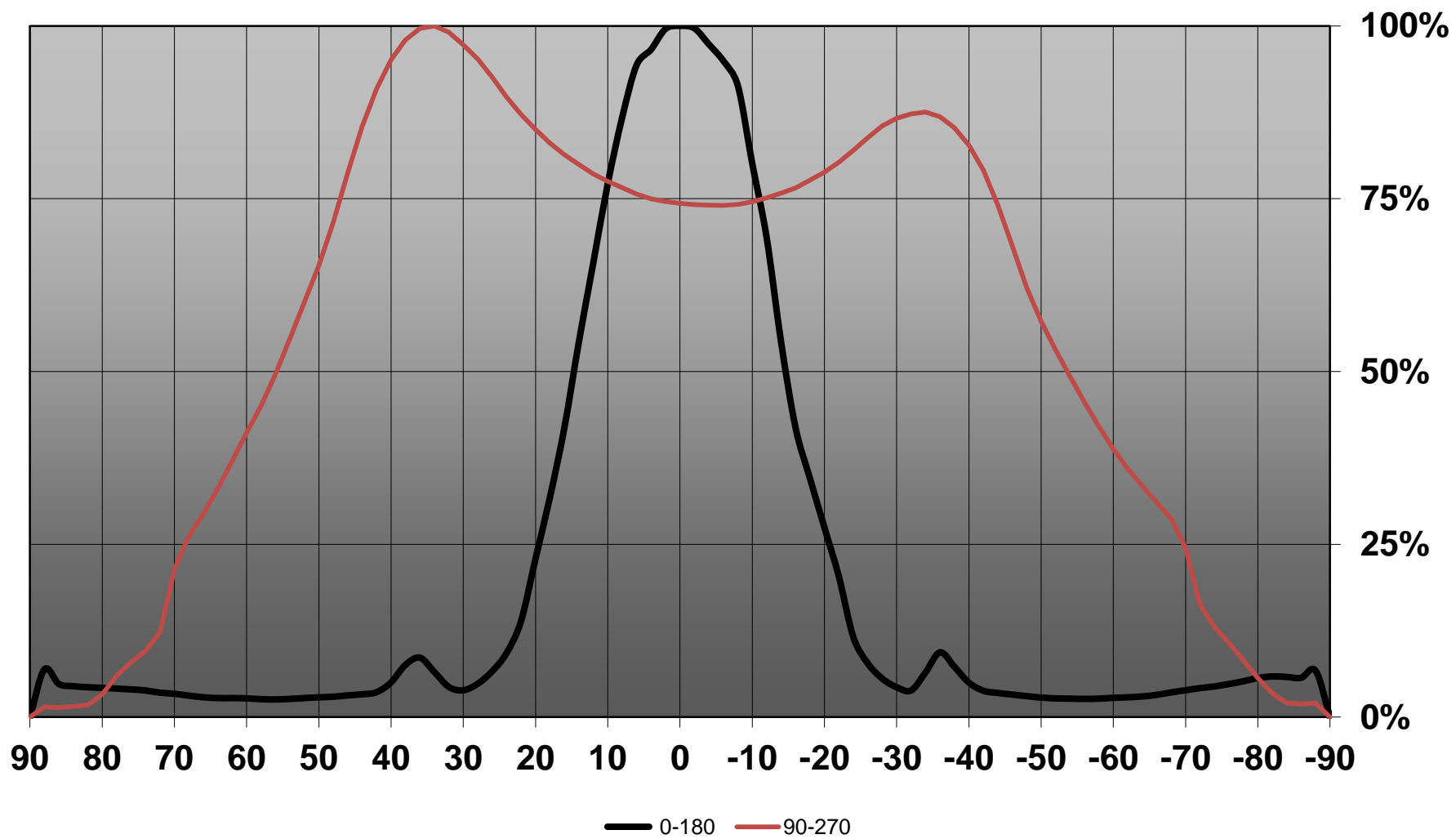
Relative intensity of C13749_HB-2X2-O_(Rebel ES)



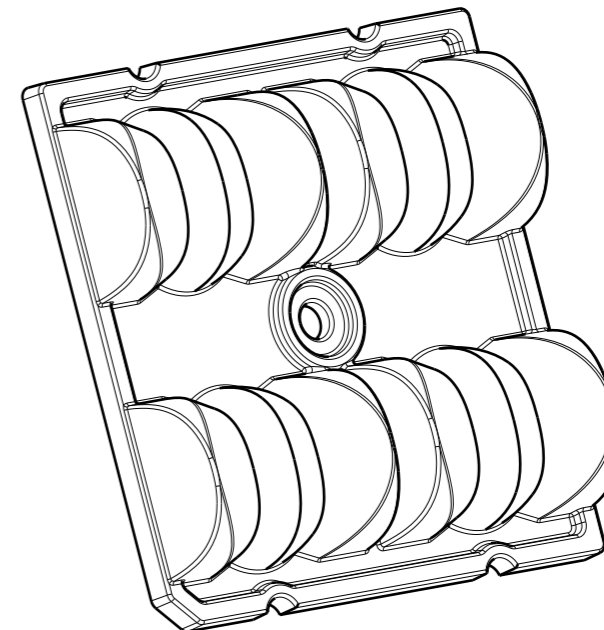
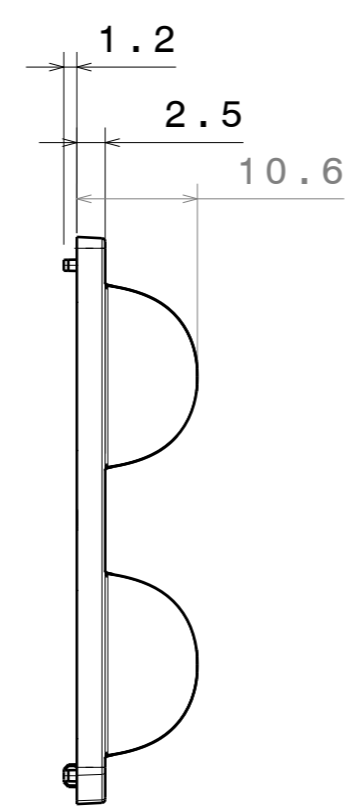
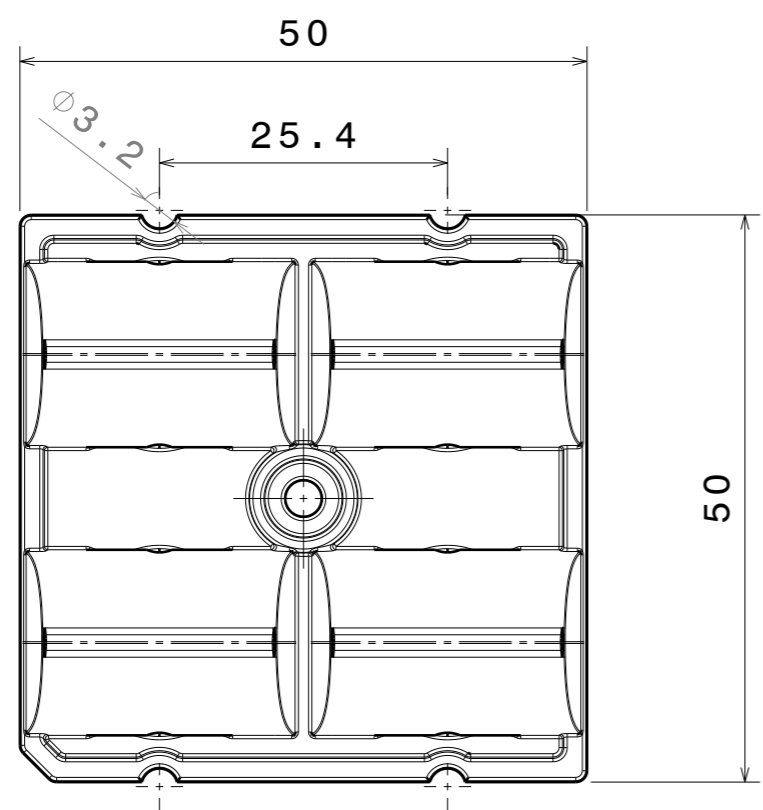
Relative intensity of C13749_HB-2X2-O_(XP-G)



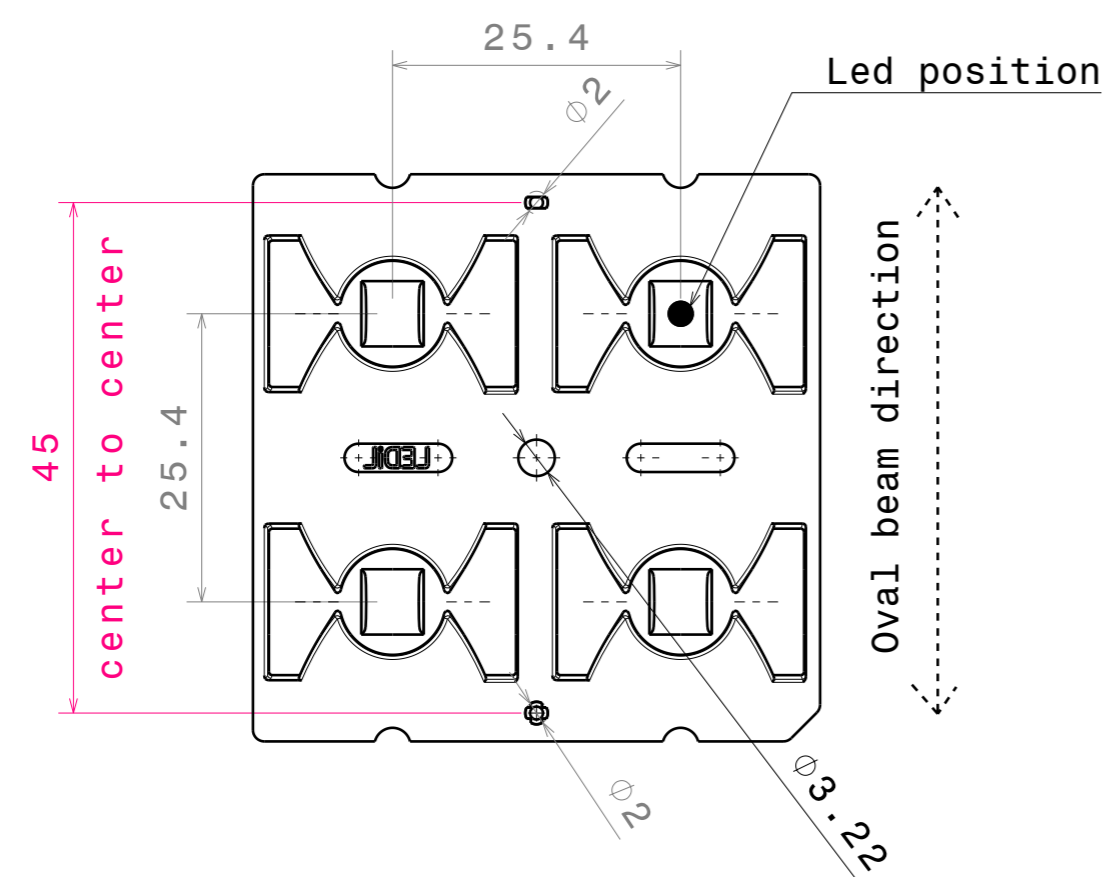
Relative intensity of C13749_HB-2X2-O_(XM-L)



H G F E D C B A



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 M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

LEDiL LediL Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
HB-2X2-0

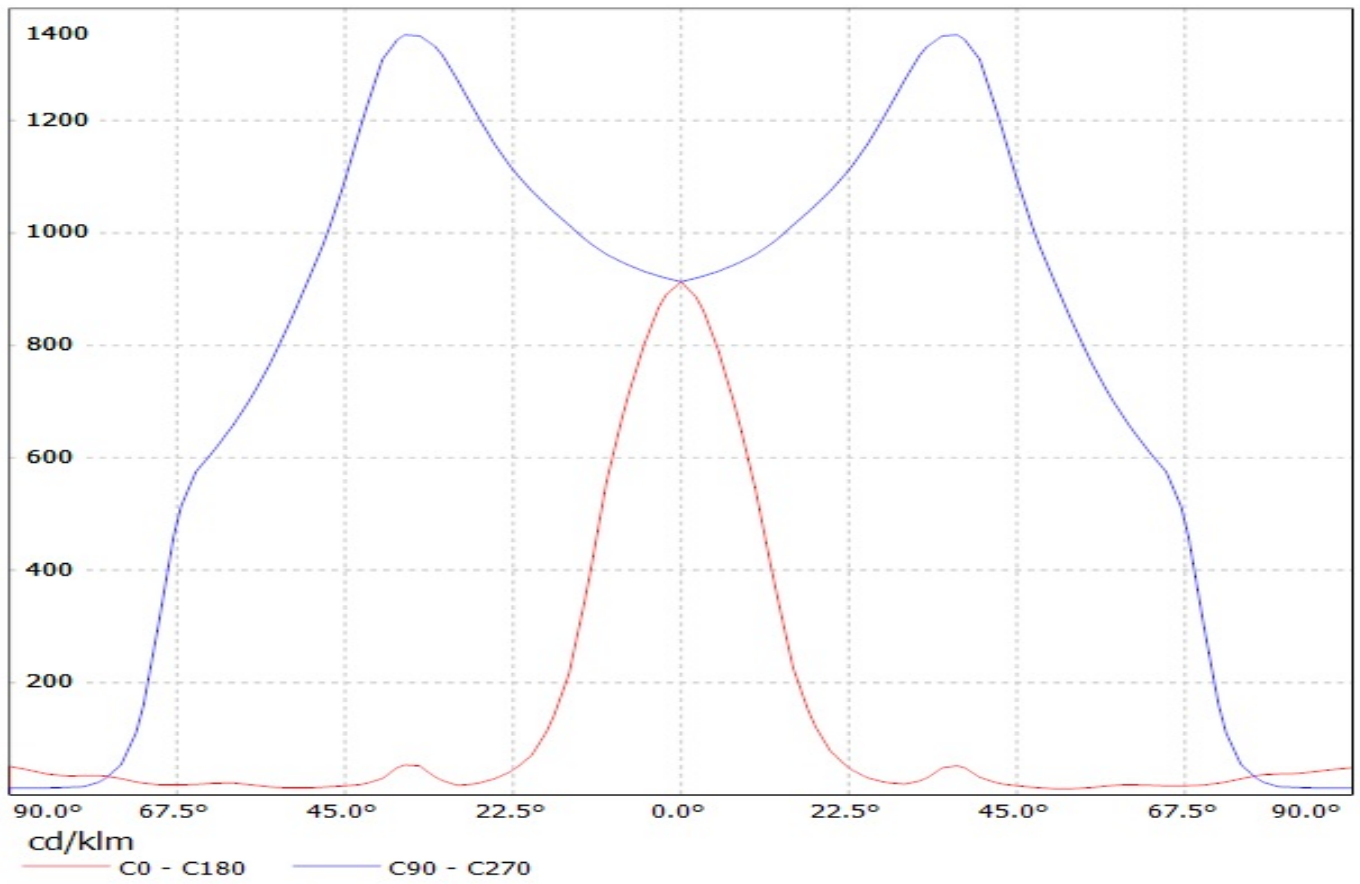
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."

SIZE **A3** PART NUMBER -

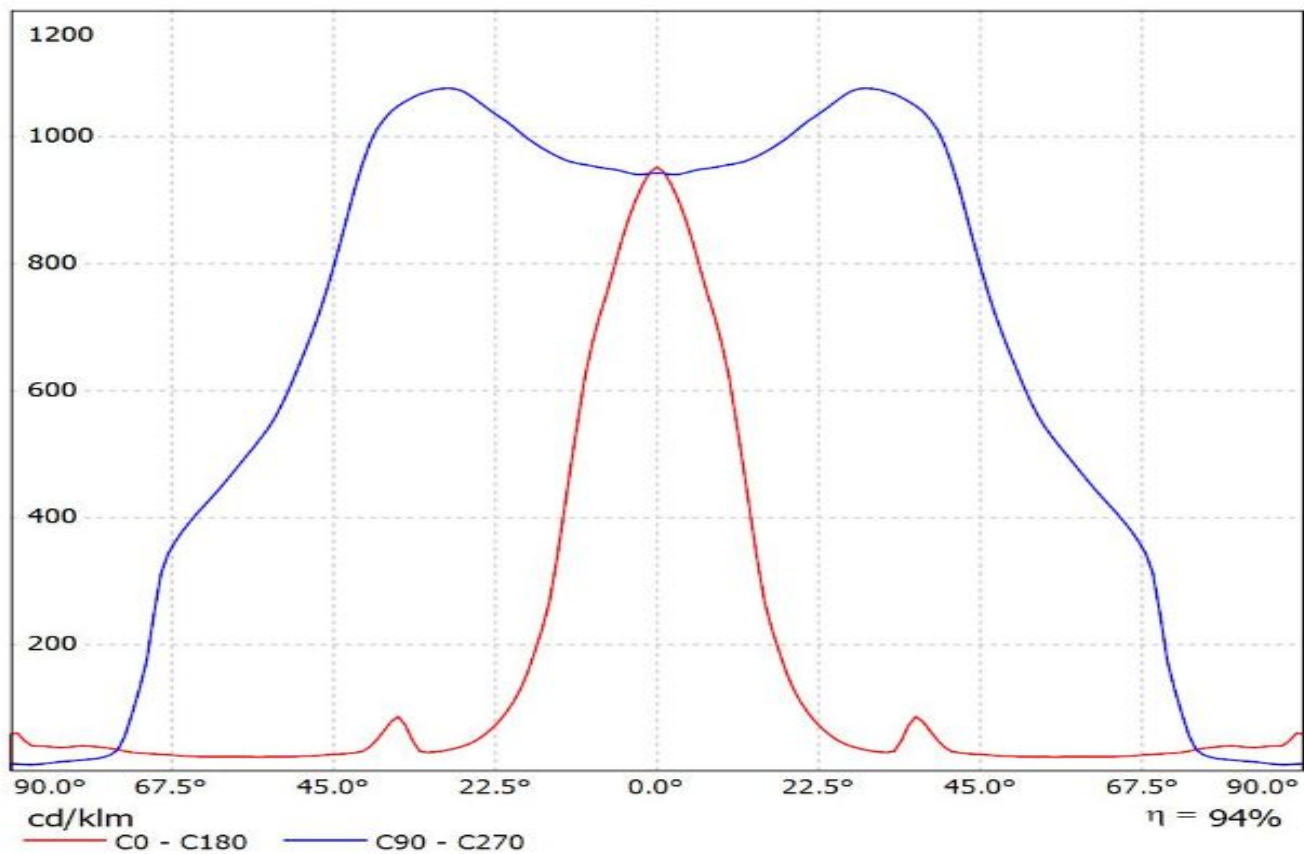
SCALE **3:2** WEIGHT - SHEET **1/1**

H G B A

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

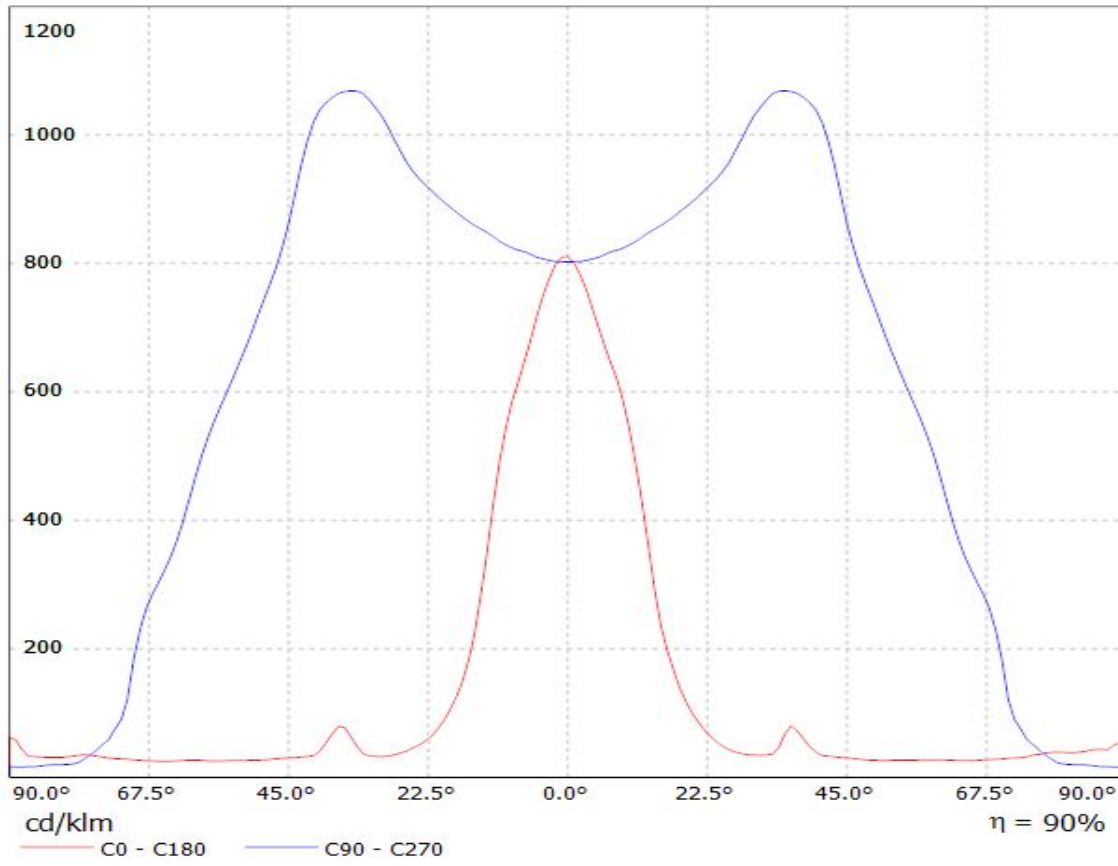


Luminaire: LEDiL Oy C13749_HB-2X2-O_(Luxeon_TX)
Lamps: 1 x Luxeon_TX_2x2_305lm@250mA_P=2.79451W_I=249.8mA

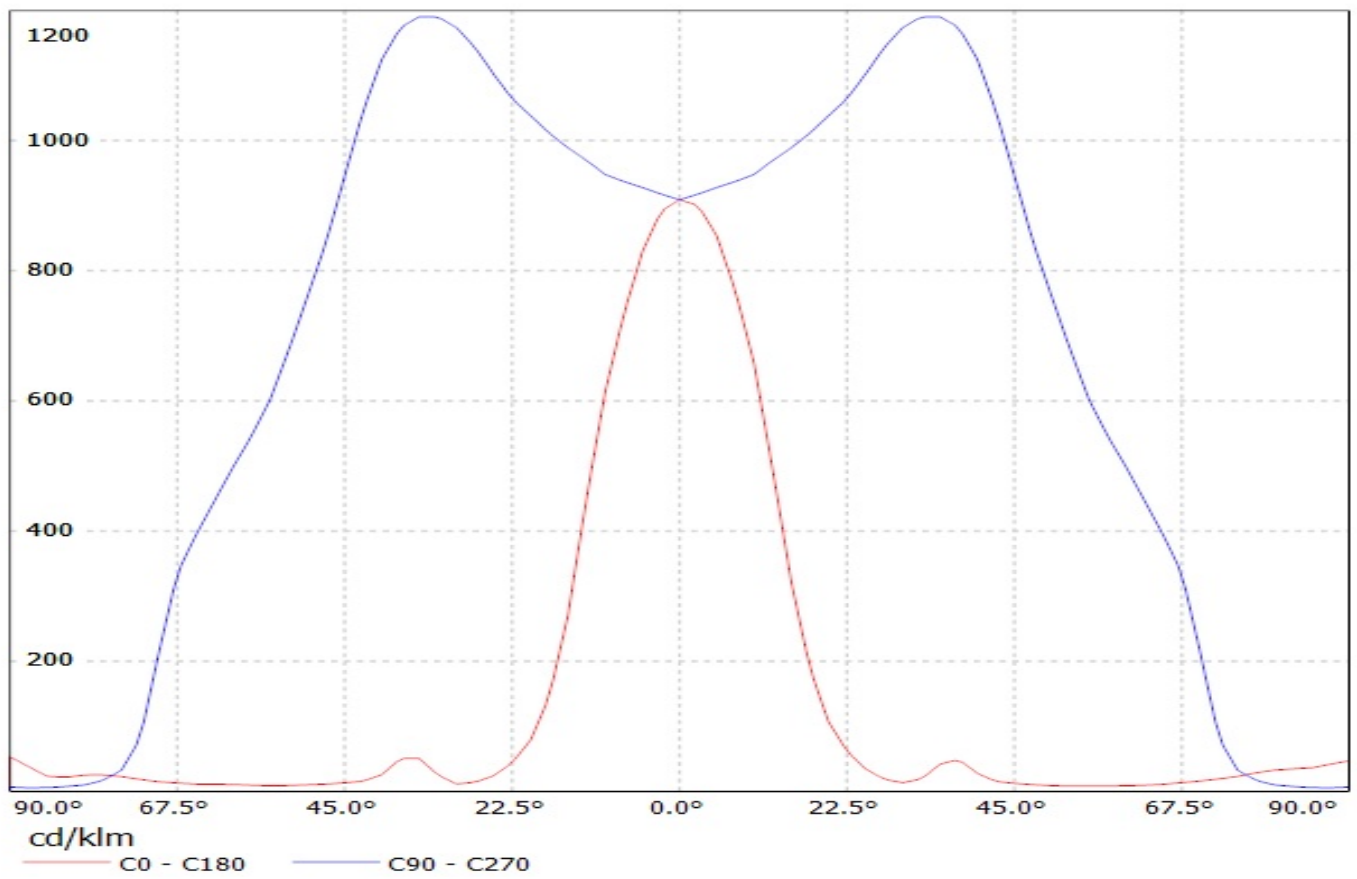


Luminaire: LEDiL Oy C13479_HB-2x2-O_(SQ-PC)

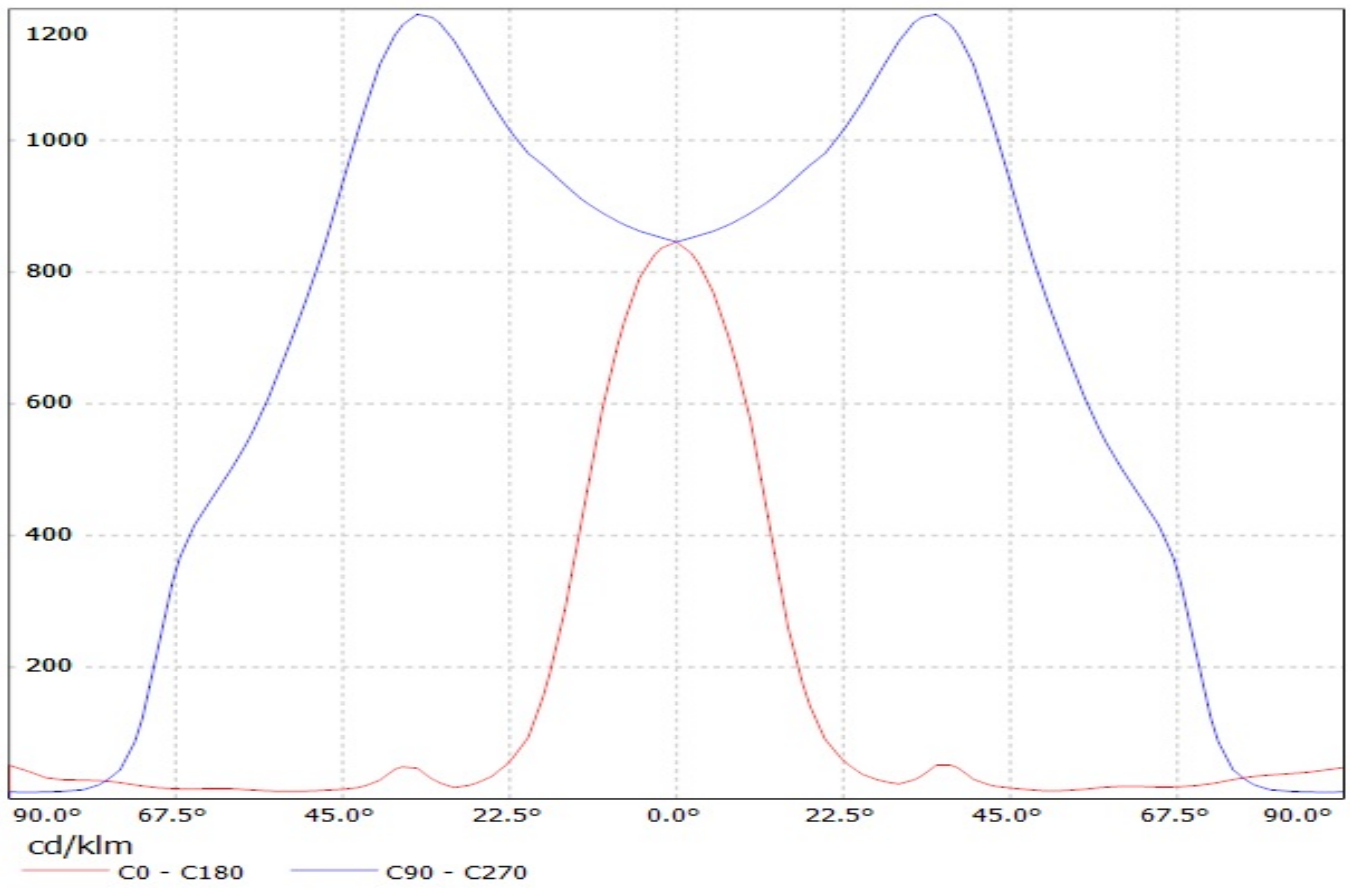
Lamps: 1 x OSRAM_OSLON_SQUARE_PC_2x2_(GWCSSRM1.PC)_414.854lm@250mA_P=2.8626W_CCT=5201K_I=249.9mA



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

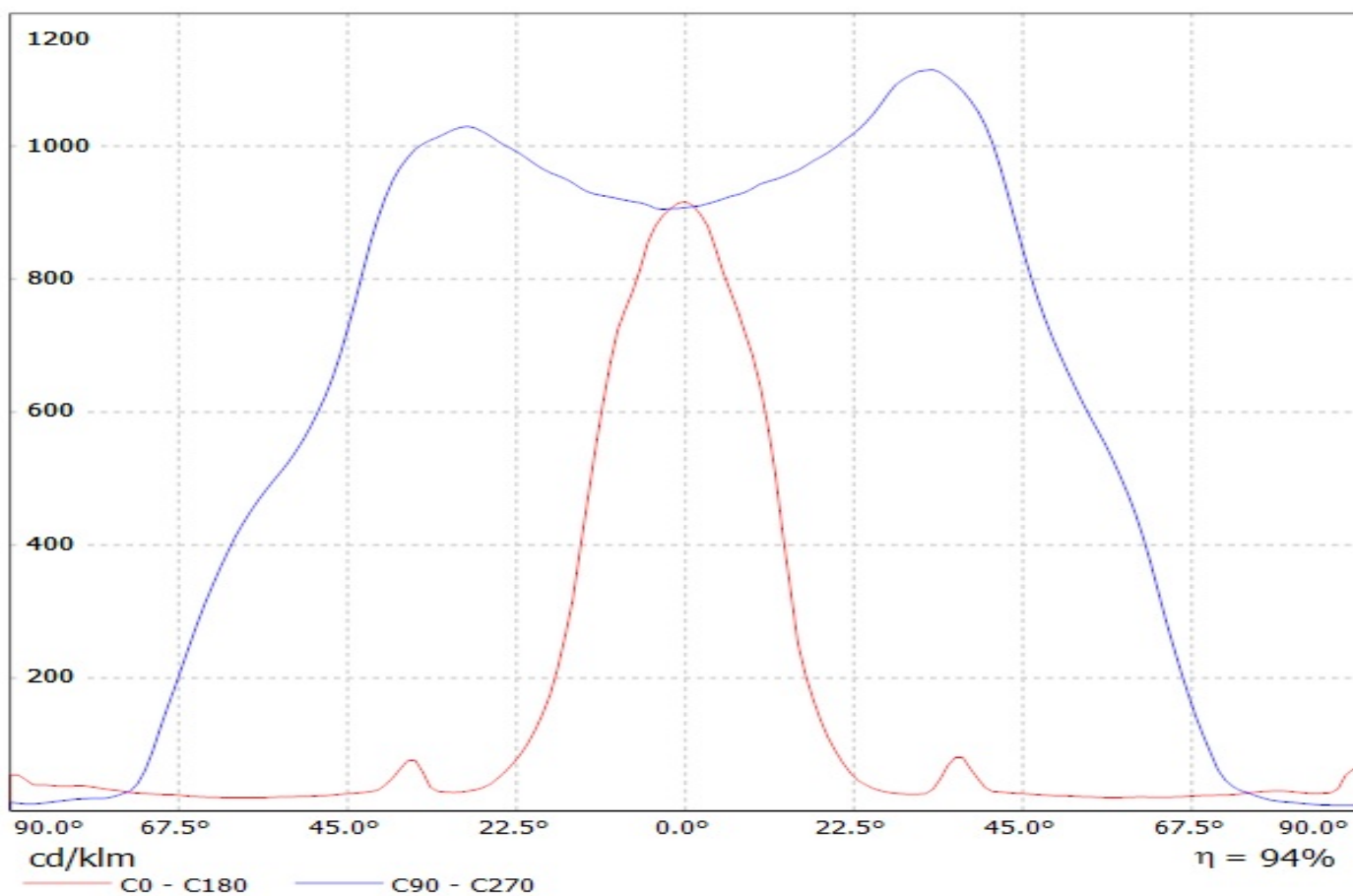


Luminaire: LEDil Oy C13749_HB-2X2-O_(NVSxx19B) Efficiency=94%
Lamps: 1 x Nichia NCSxx19B (NVSL219BE) 315lm @ 250mA CCT=3100K P=2.9W I=250mA

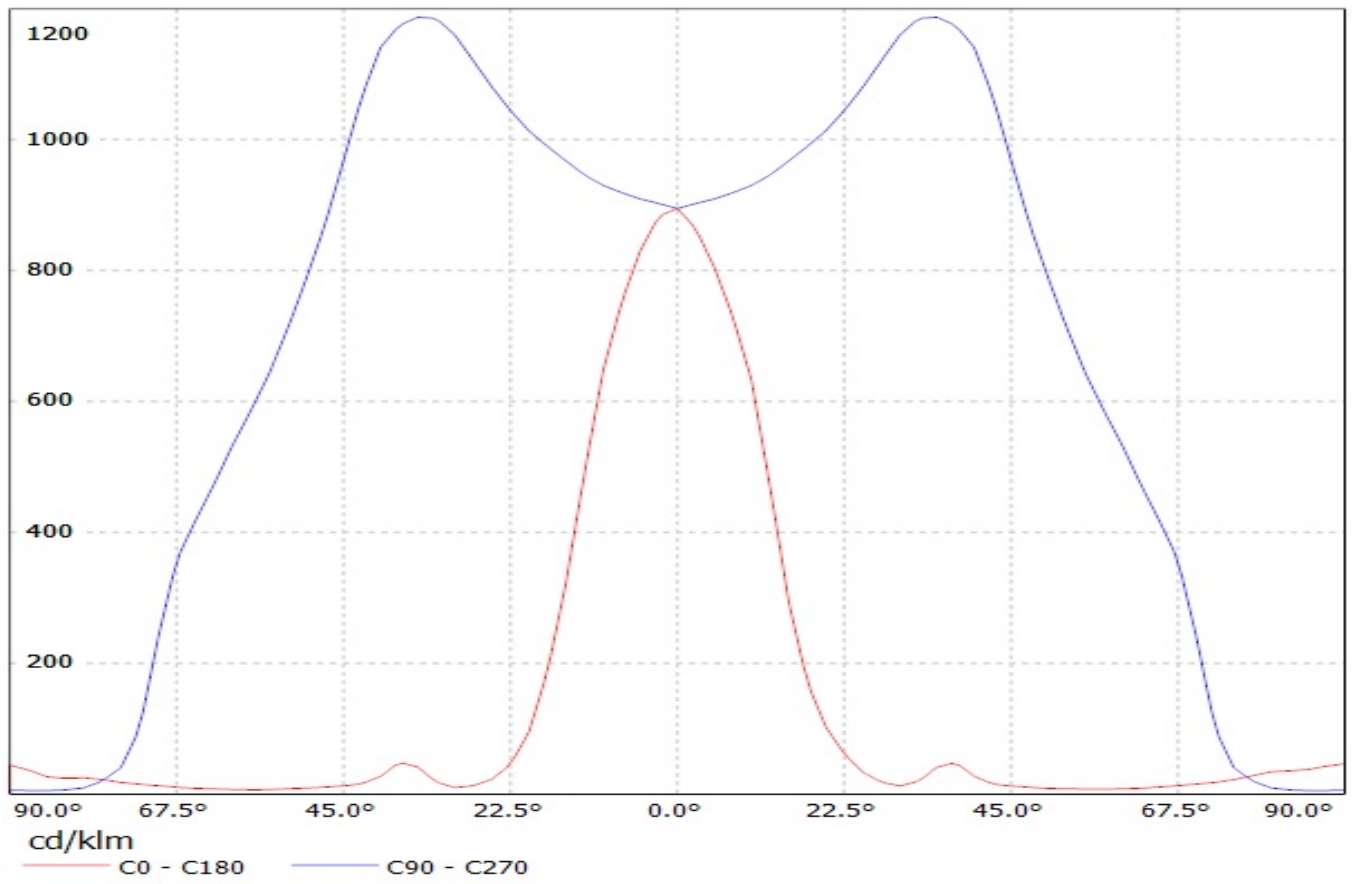


Luminaire: LEDiL Oy C13749_HB-2X2-O_(LH351Z)

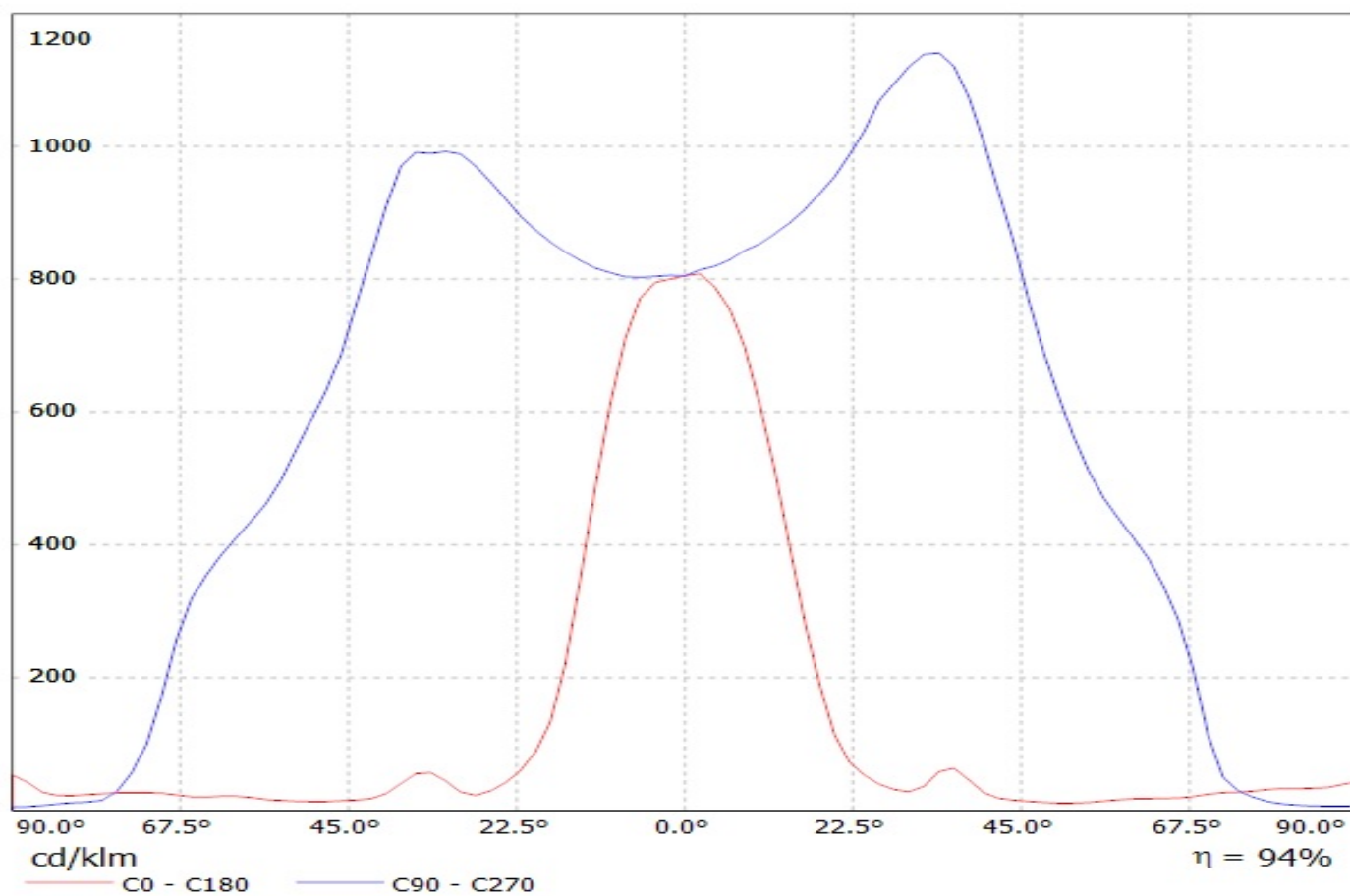
Lamps: 1 x SAMSUNG_LH351Z_2x2_361.9lm@250mA_P=2.86371W_I=249.8mA



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

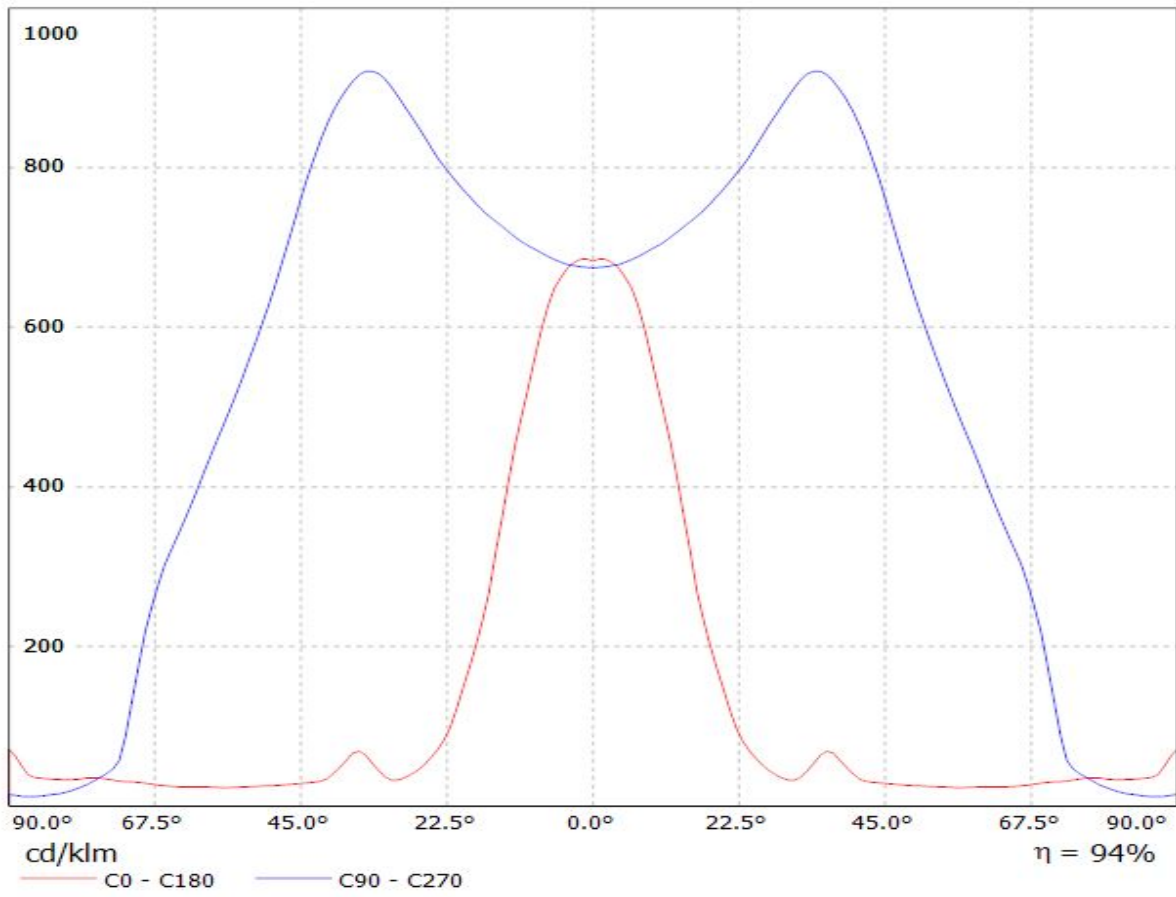


Luminaire: LEDil Oy C13749_HB-2X2-O_(Luxeon_MZ)
Lamps: 1 x Philips Lumileds Luxeon MZ (413.59lm @ 250mA) P=2.7W I=250mA

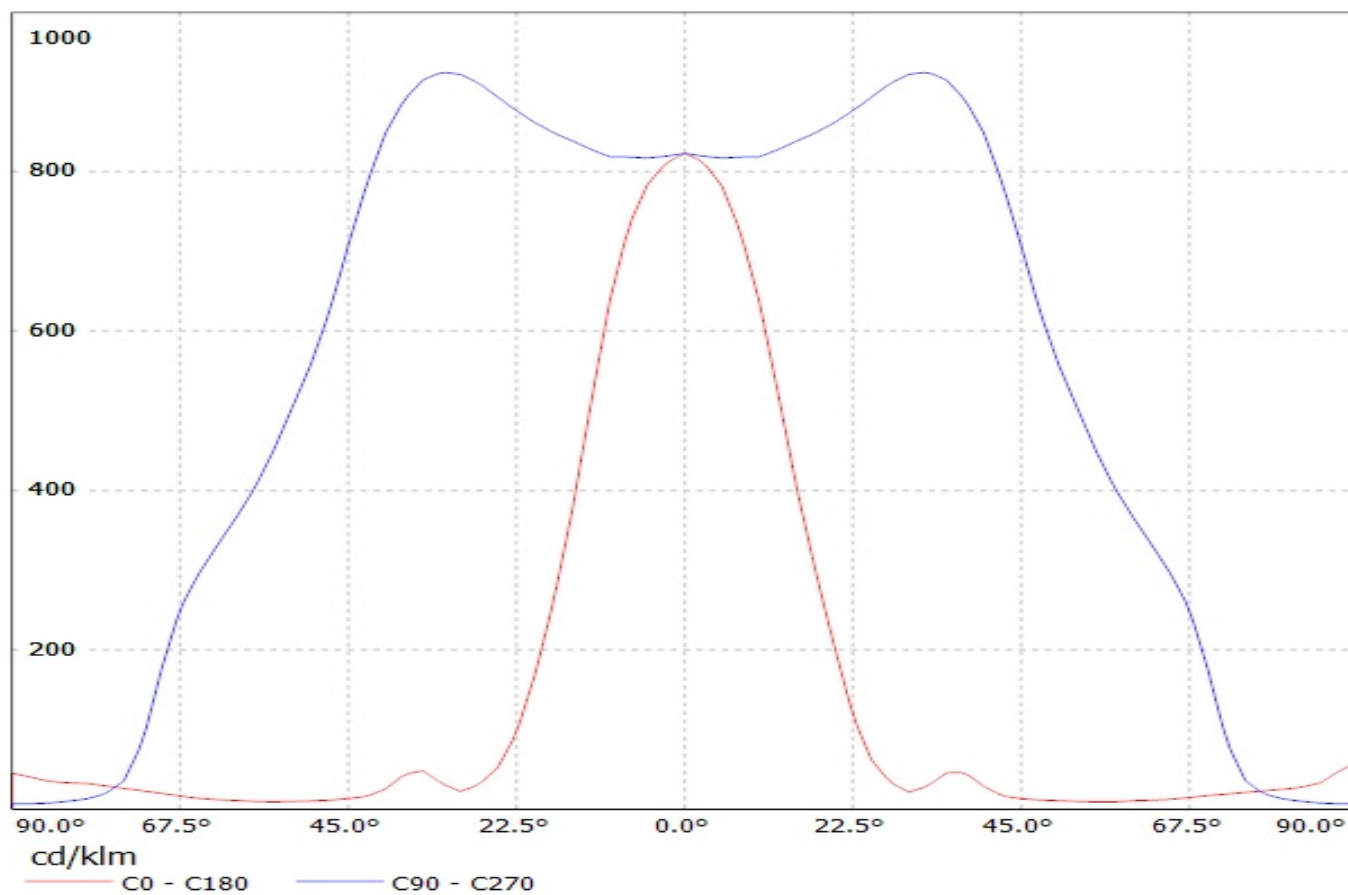


Luminaire: LEDiL Oy C13749_HB-2X2-O_(XP-L)

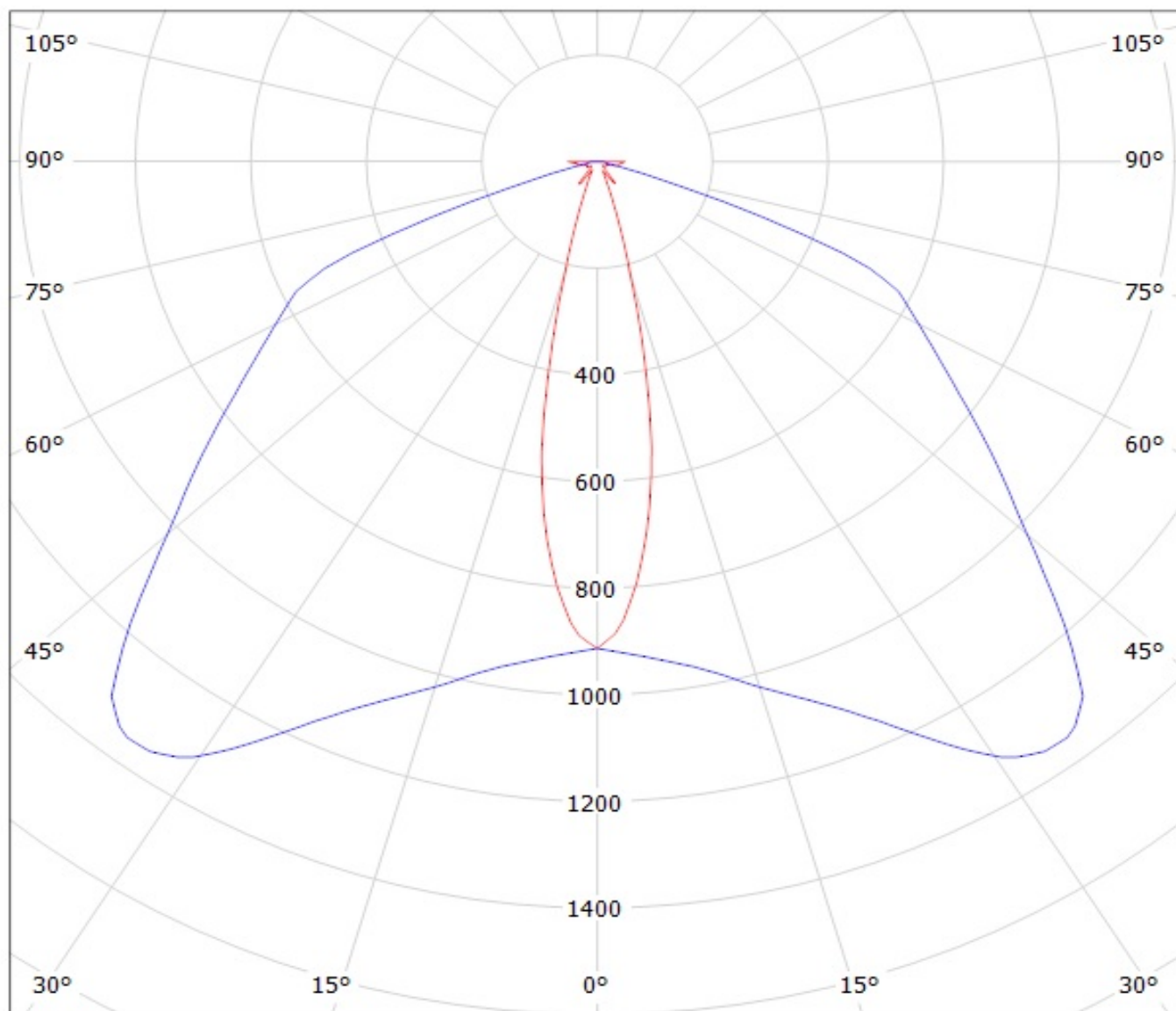
Lamps: 1 x CREE_XP-L_2x2_(XPLAWT-0-1B0-V40-00-0001)_490lm@250mA_CCT=7600K_P=2.79963W_I=249.9mA



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



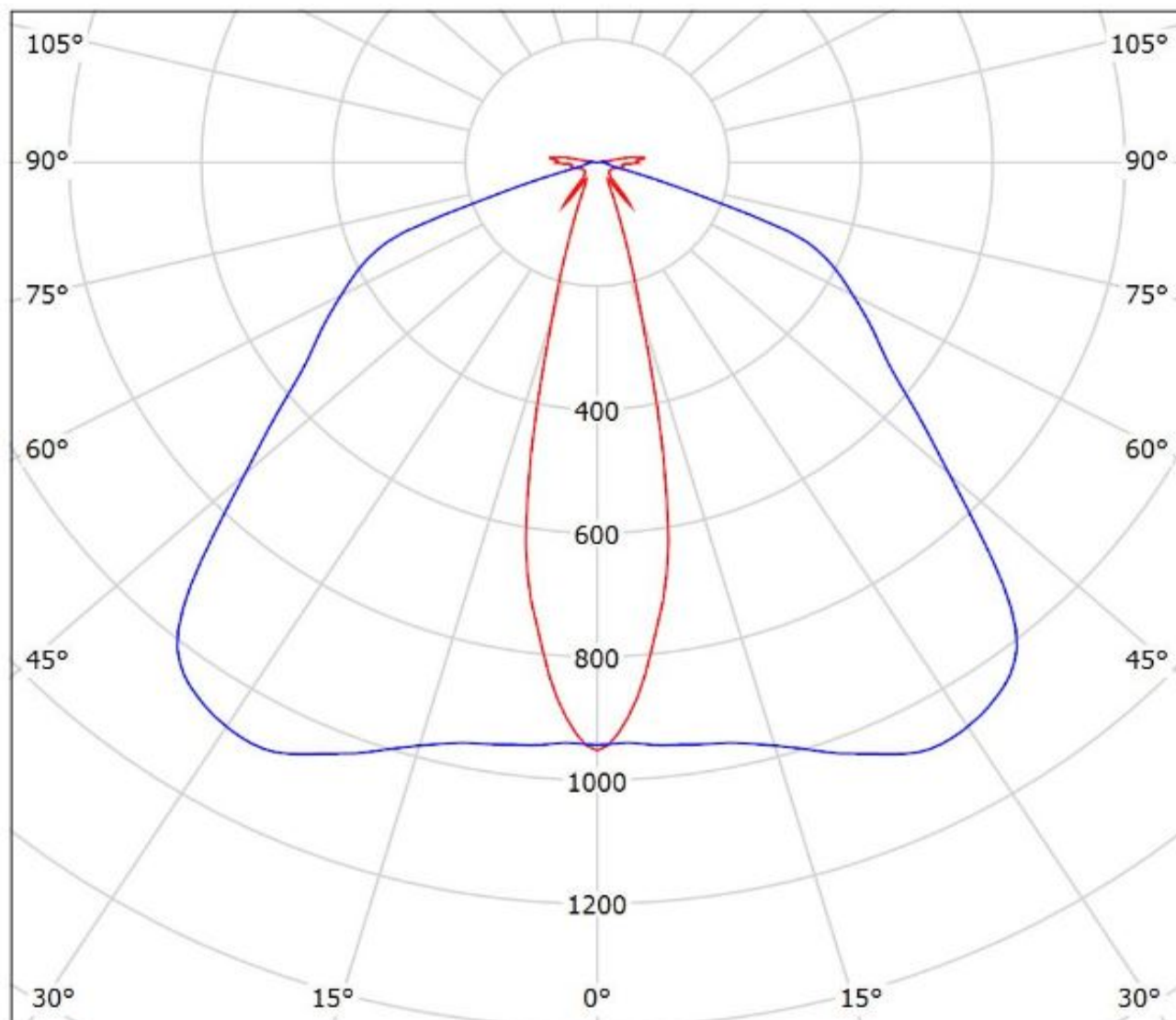
Luminaire: LEDil Oy C13749_HB-2X2-O_(NCSxx19B) Efficiency=94%
Lamps: 1 x Nichia NCSxx19B (NCSW119BE) 425lm @ 250mA CCT=5400K P=3.1W I=250mA



cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy C13749_HB-2X2-O_(Luxeon_TX)
Lamps: 1 x Luxeon_TX_2x2_305lm@250mA_P=2.79451W_I=249.8mA

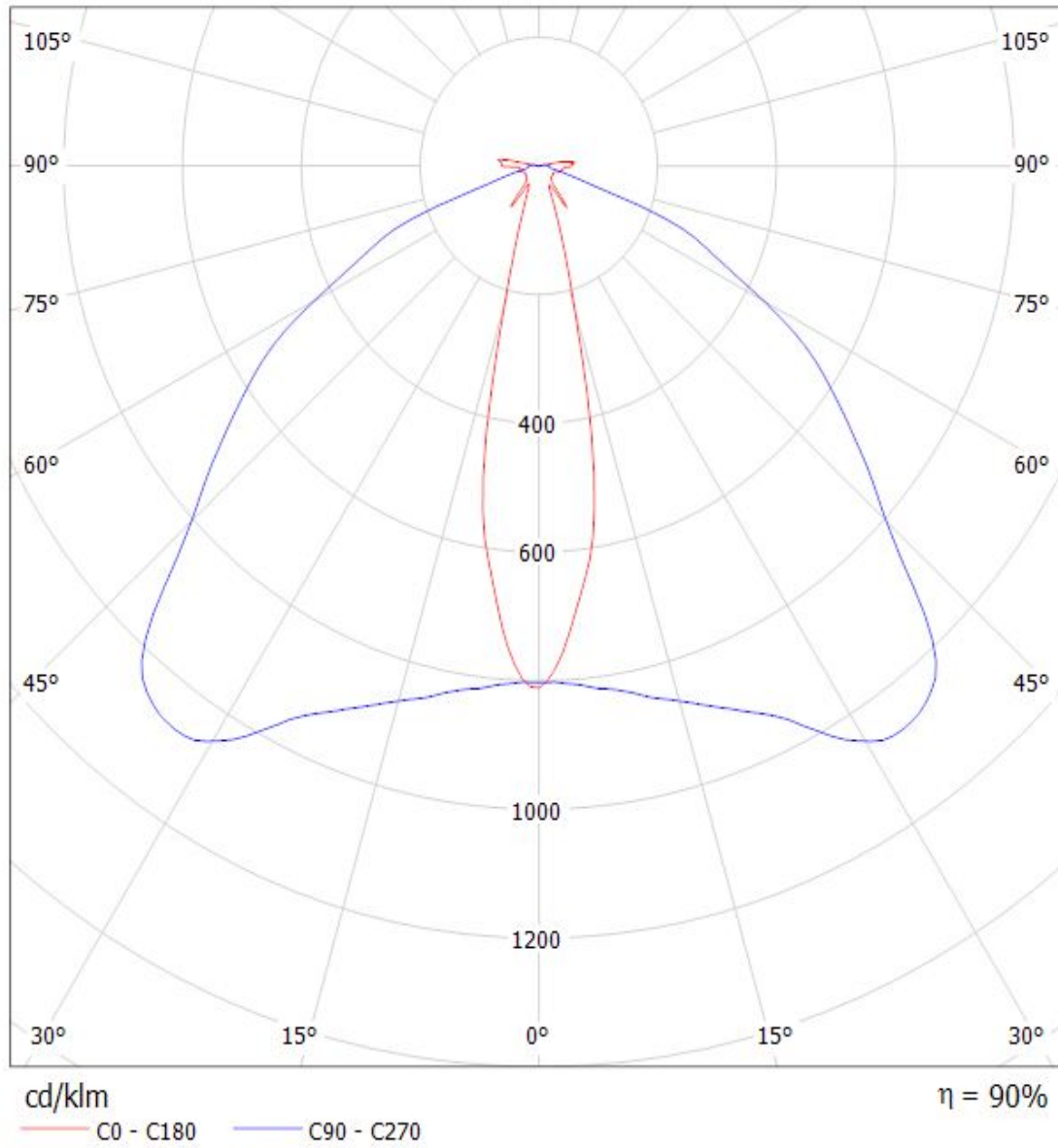


cd/klm
— C0 - C180 — C90 - C270

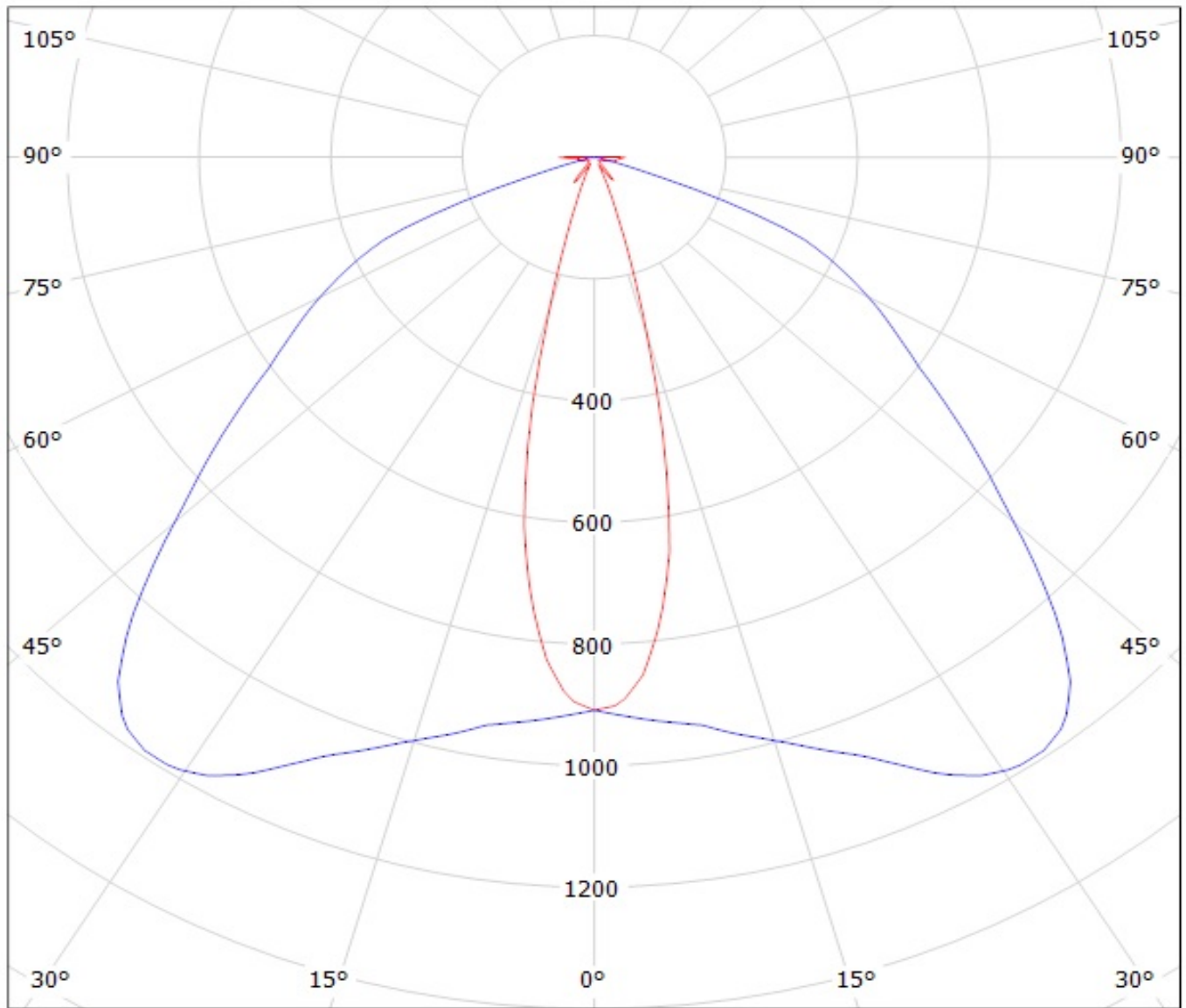
$\eta = 94\%$

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



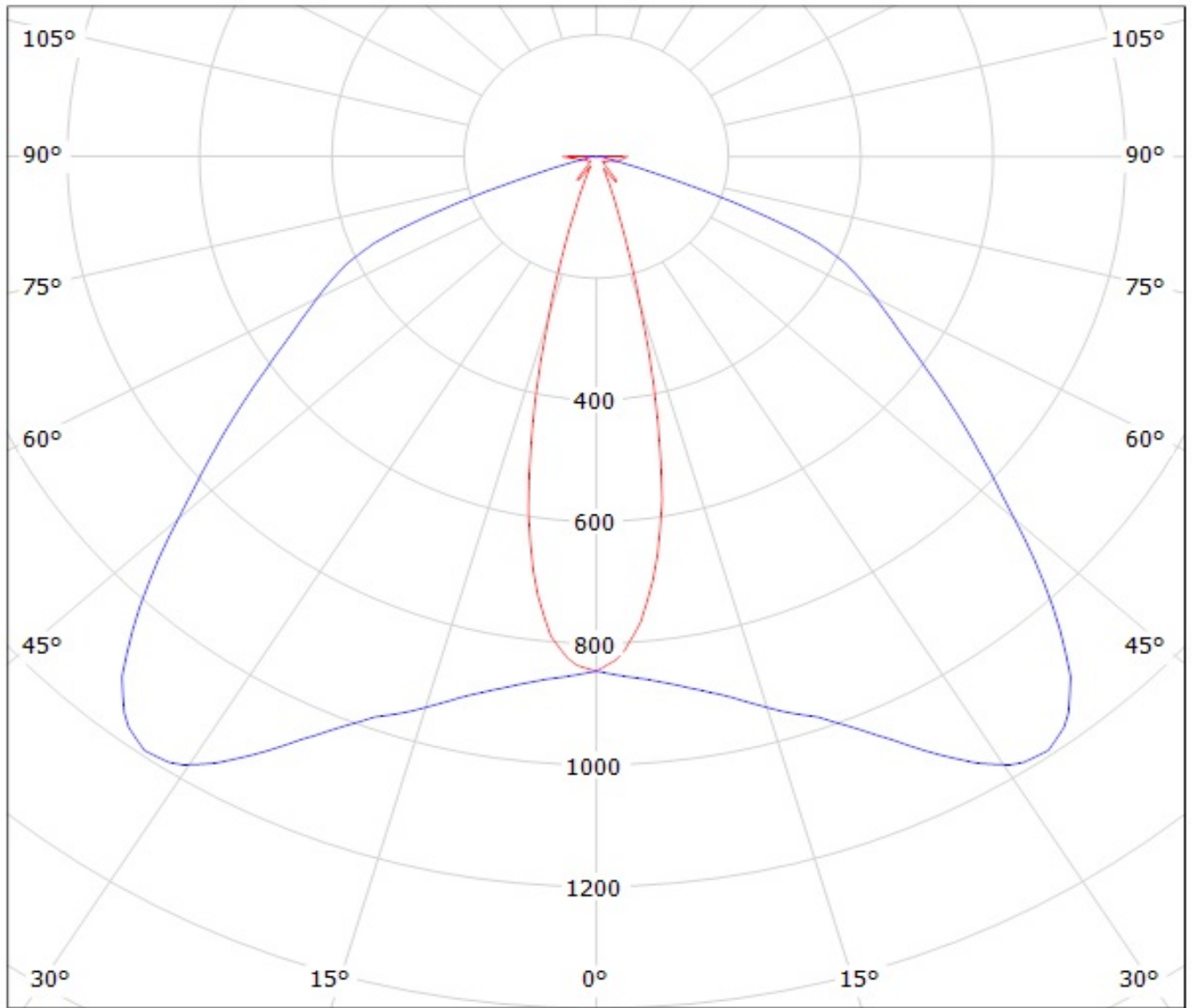
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cd/klm

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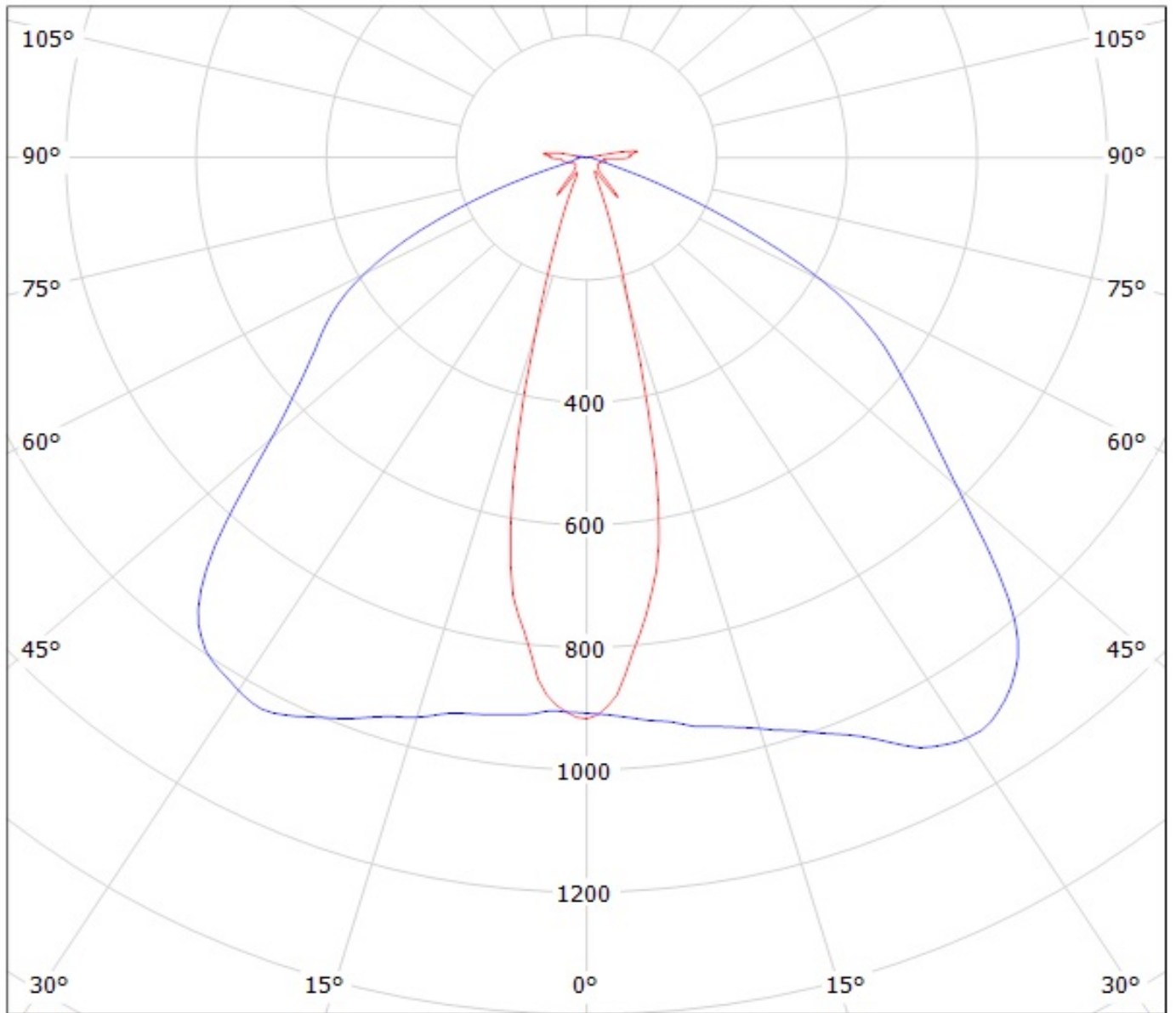
Luminaire: LEDil Oy C13749_HB-2X2-O_(NVSxx19B) Efficiency=94%
Lamps: 1 x Nichia NCSxx19B (NVSL219BE) 315lm @ 250mA CCT=3100K P=2.9W I=250mA



cd/klm
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Lamps: 1 x SAMSUNG_LH351Z_2x2_361.9lm@250mA_P=2.86371W_I=249.8mA



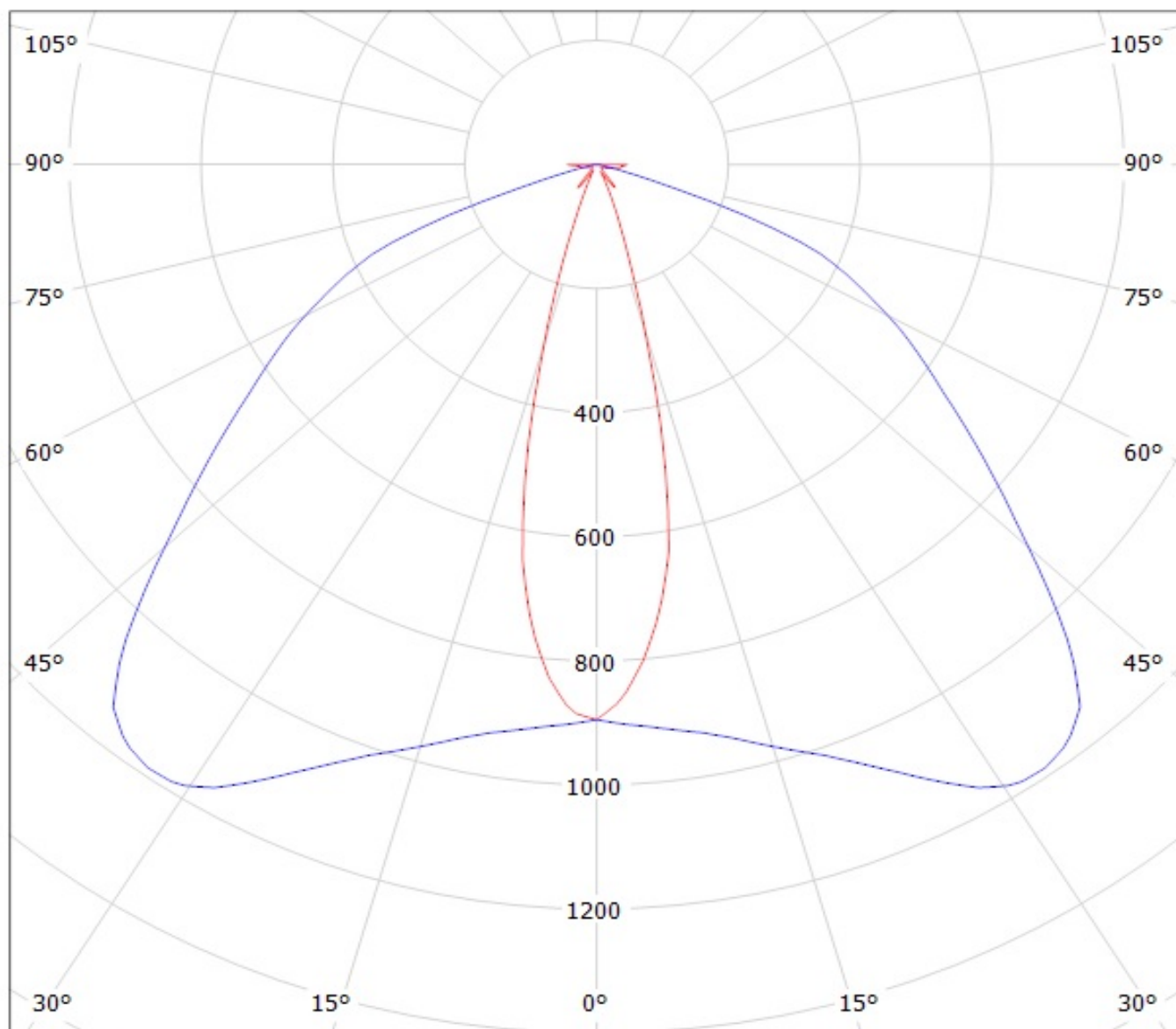
cd/klm

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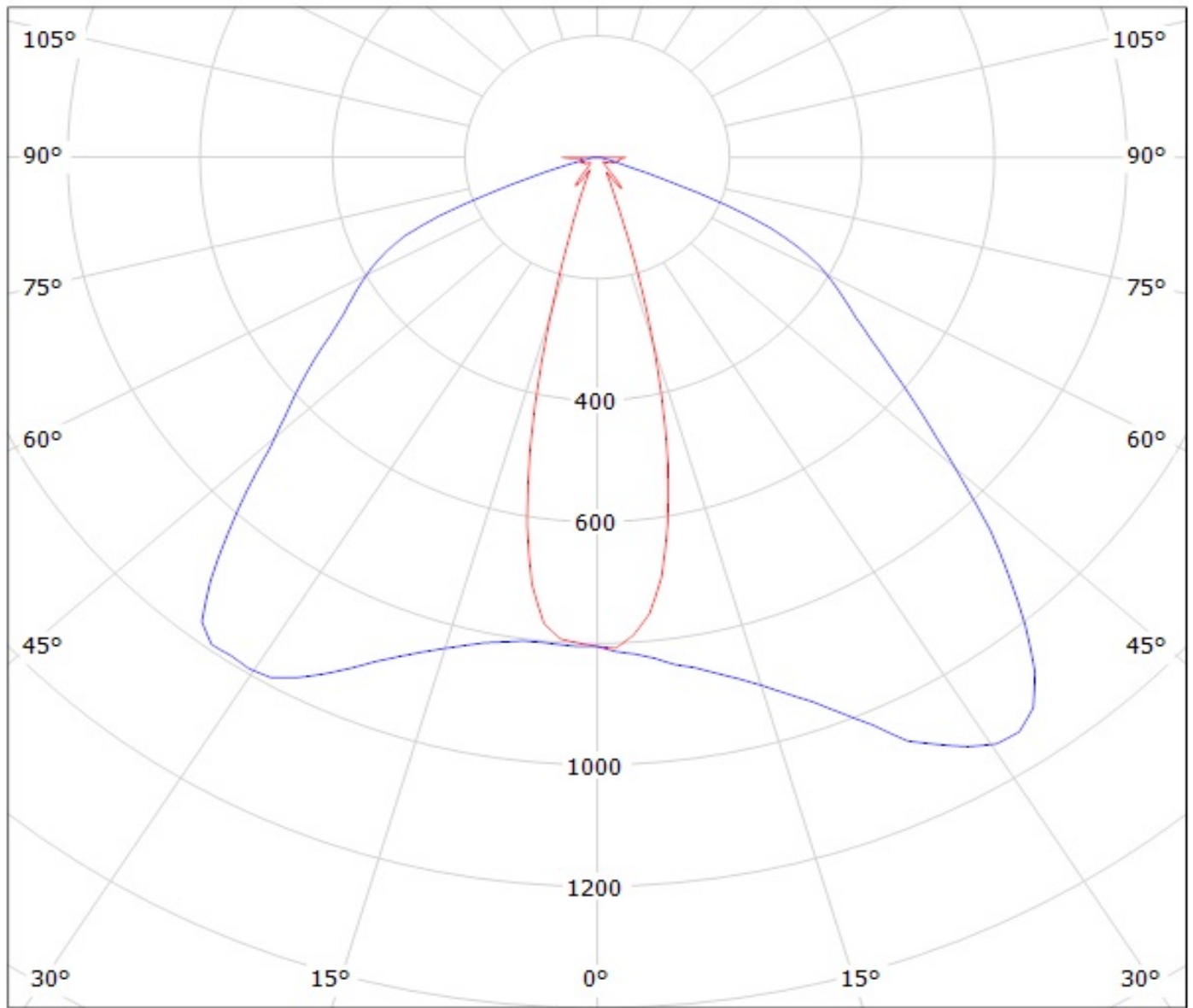
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy C13749_HB-2X2-O_(Luxeon_MZ)

Lamps: 1 x Philips Lumileds Luxeon MZ (413.59lm @ 250mA) P=2.7W I=250mA



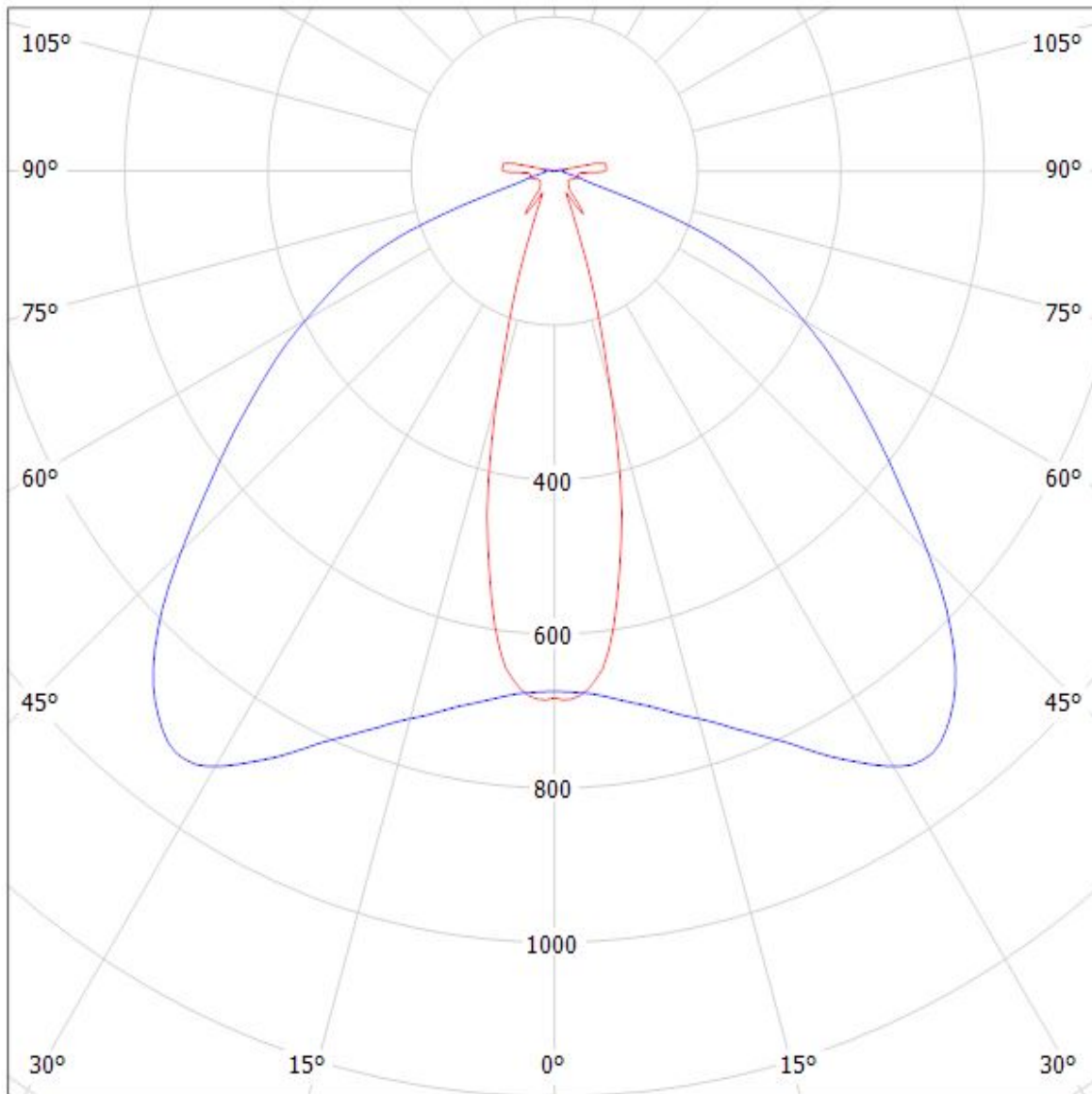
cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy C13749_HB-2X2-O_(XP-L)

Lamps: 1 x CREE_XP-L_2x2_(XPLAWT-0-1B0-V40-00-0001)_490lm@250mA_CCT=7600K_P=2.79963W_I=249.9mA

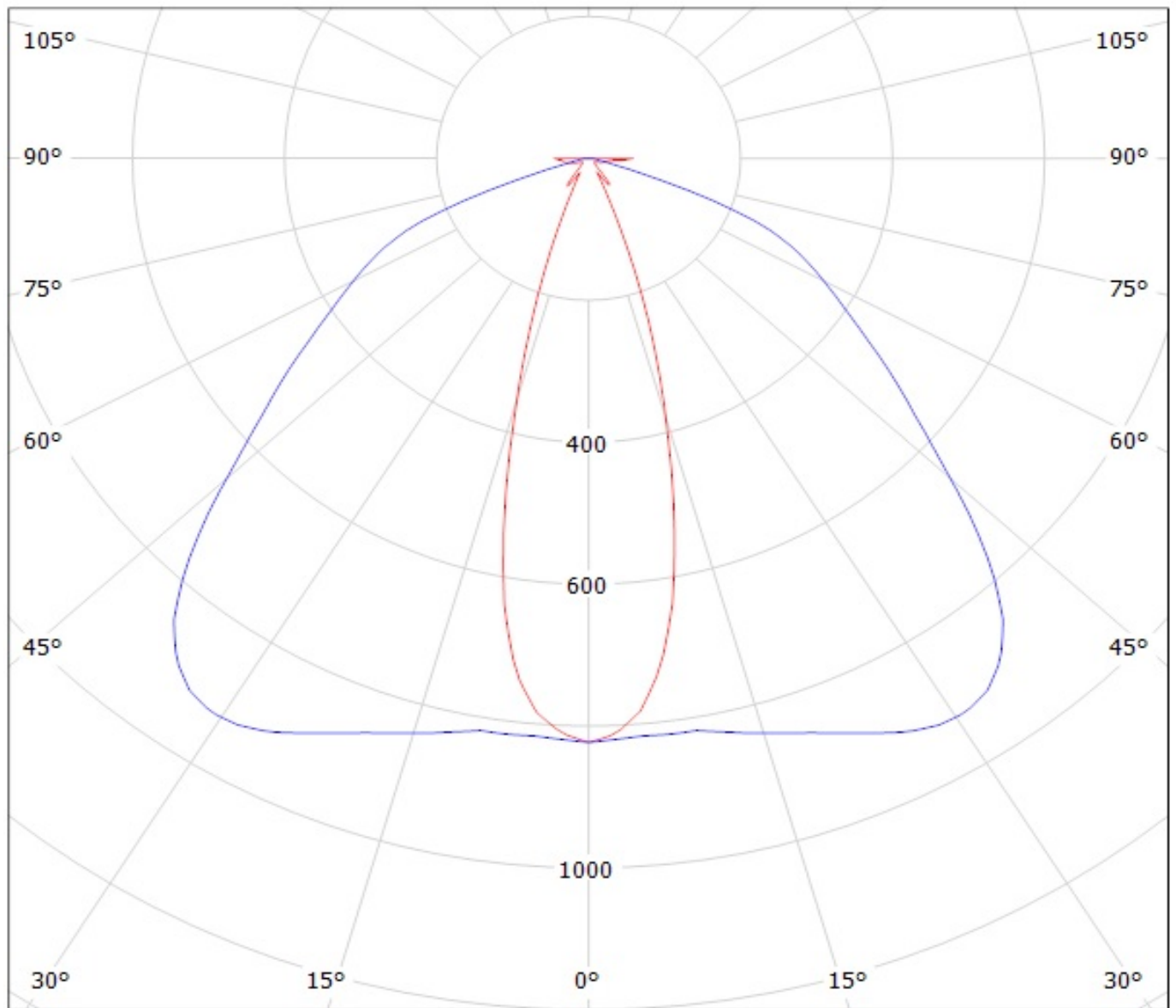


cd/klm

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$\eta = 94\%$

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



cd/klm

— C0 - C180 — C90 - C270

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.