

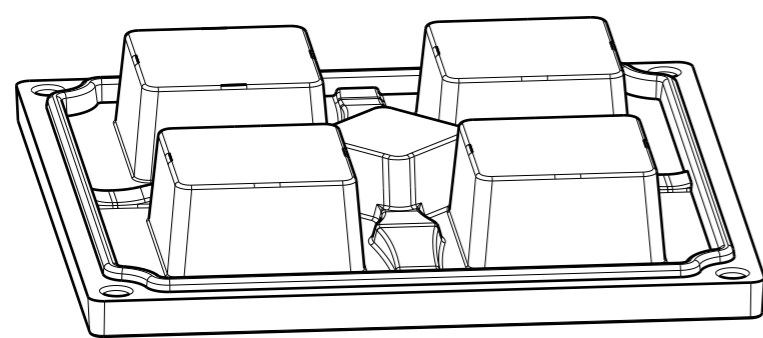
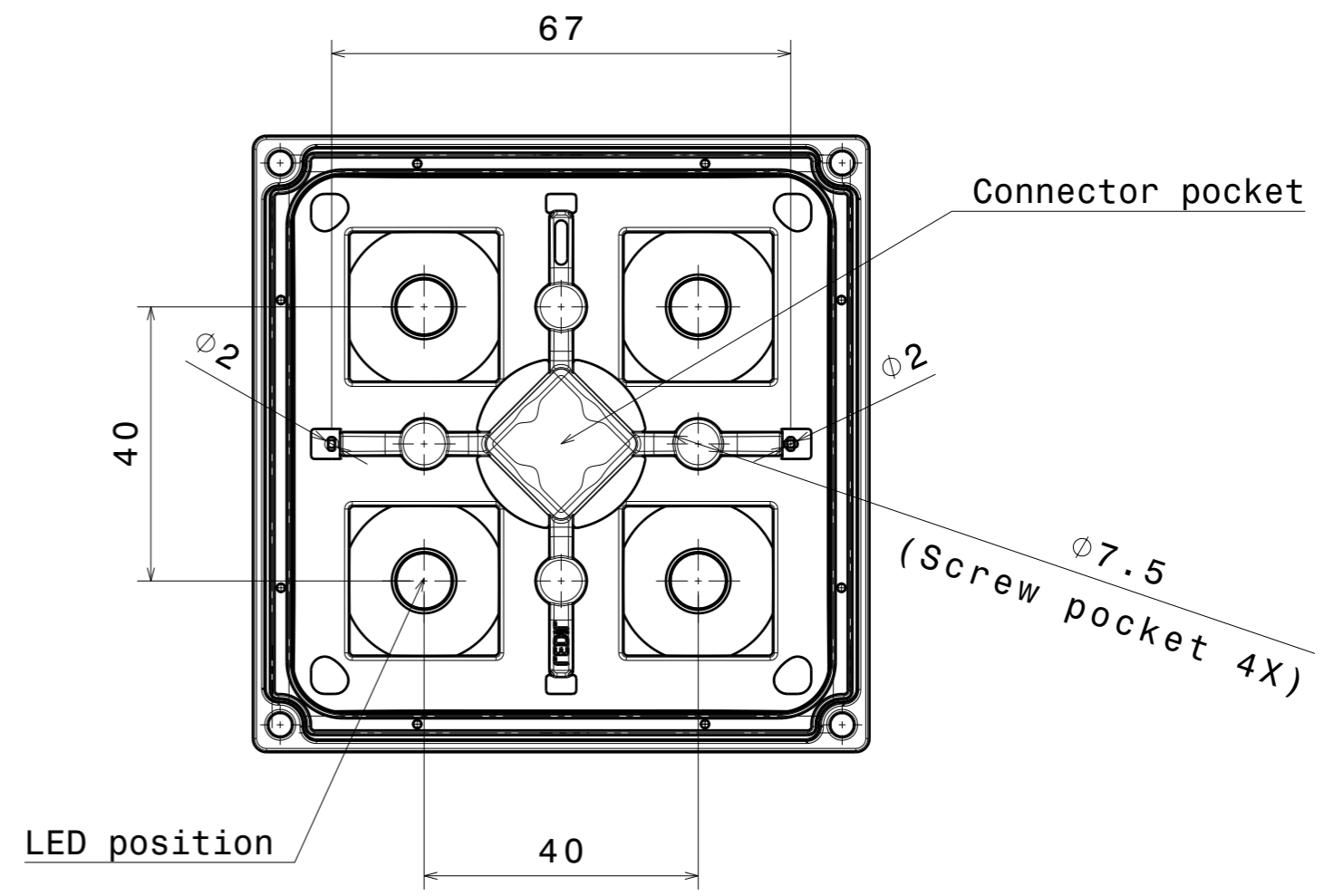
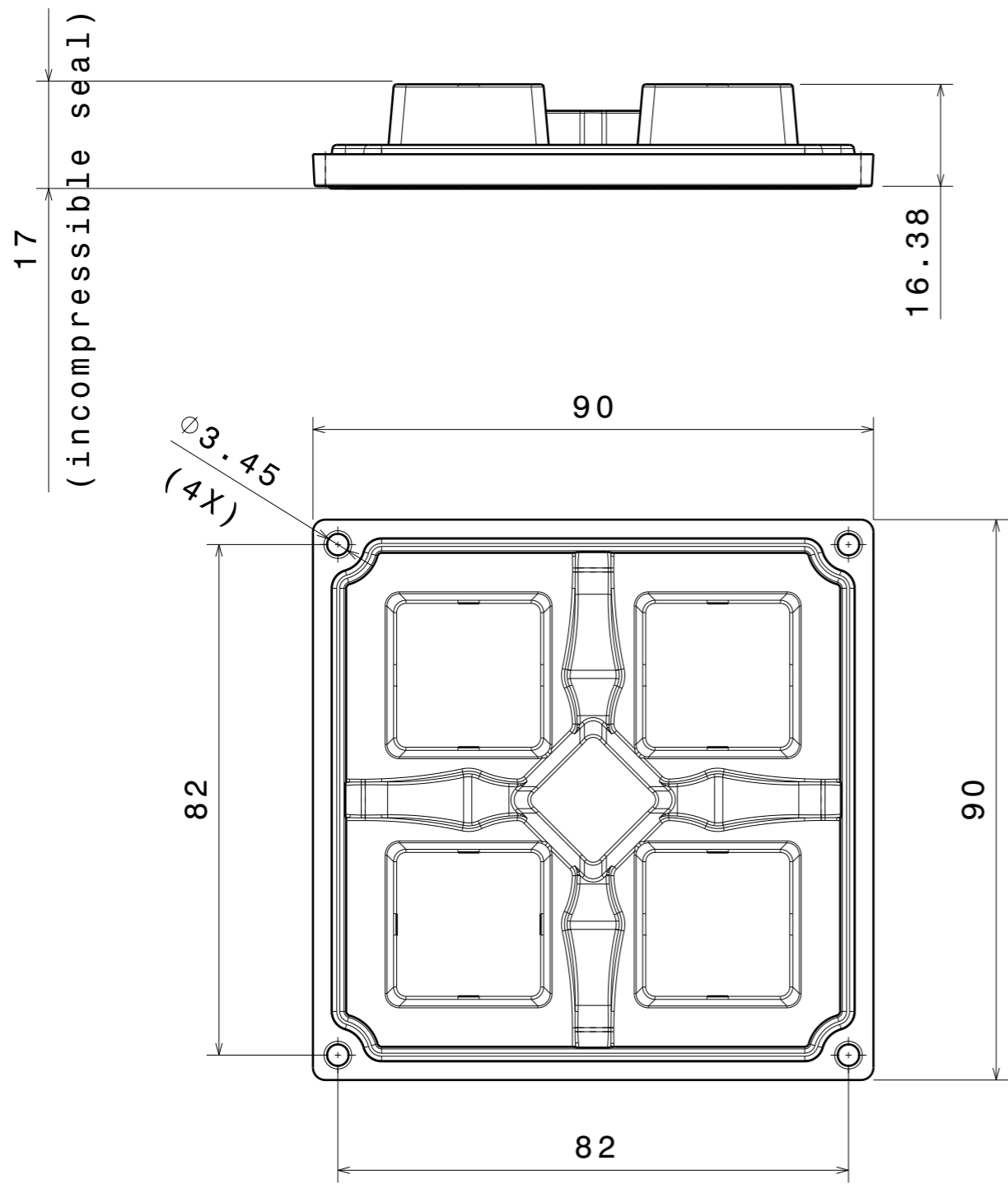
DETAILS

Product Number	CS14840_HB-2X2MX-M
Family	HB
Type	Assembly
Color	clear
Diameter	90x90 mm
Height	16,38 mm
Style	square
Optic Material	
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	21/04/2017



OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
XHP35 HD	19 deg	Medium	94 %	4.940	-
XHP35 HI	18 deg	Medium	94 %	5.500	-
XHP50	25 deg	Medium	94 %	3.100	-
LUXEON M/MX	24 deg	Medium	93 %	3.100	-
LUXEON MZ	22 deg	Medium	91 %	4.000	-
LUXEON XR-M square 2x2	24 deg	Medium	93 %	3.100	-
NV4x144A	23 deg	Medium	93 %	3.300	-
NFMW48xA	sim: 21	Medium	sim: 94 %	sim: 4.620	-



Isometric view (1:1)

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14631	STRADA-2X2MX-SEAL	silicone	
2	C14833	HB-2X2MX-M	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

LEDiL LediL Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
CS14840_HB-2X2MX-M

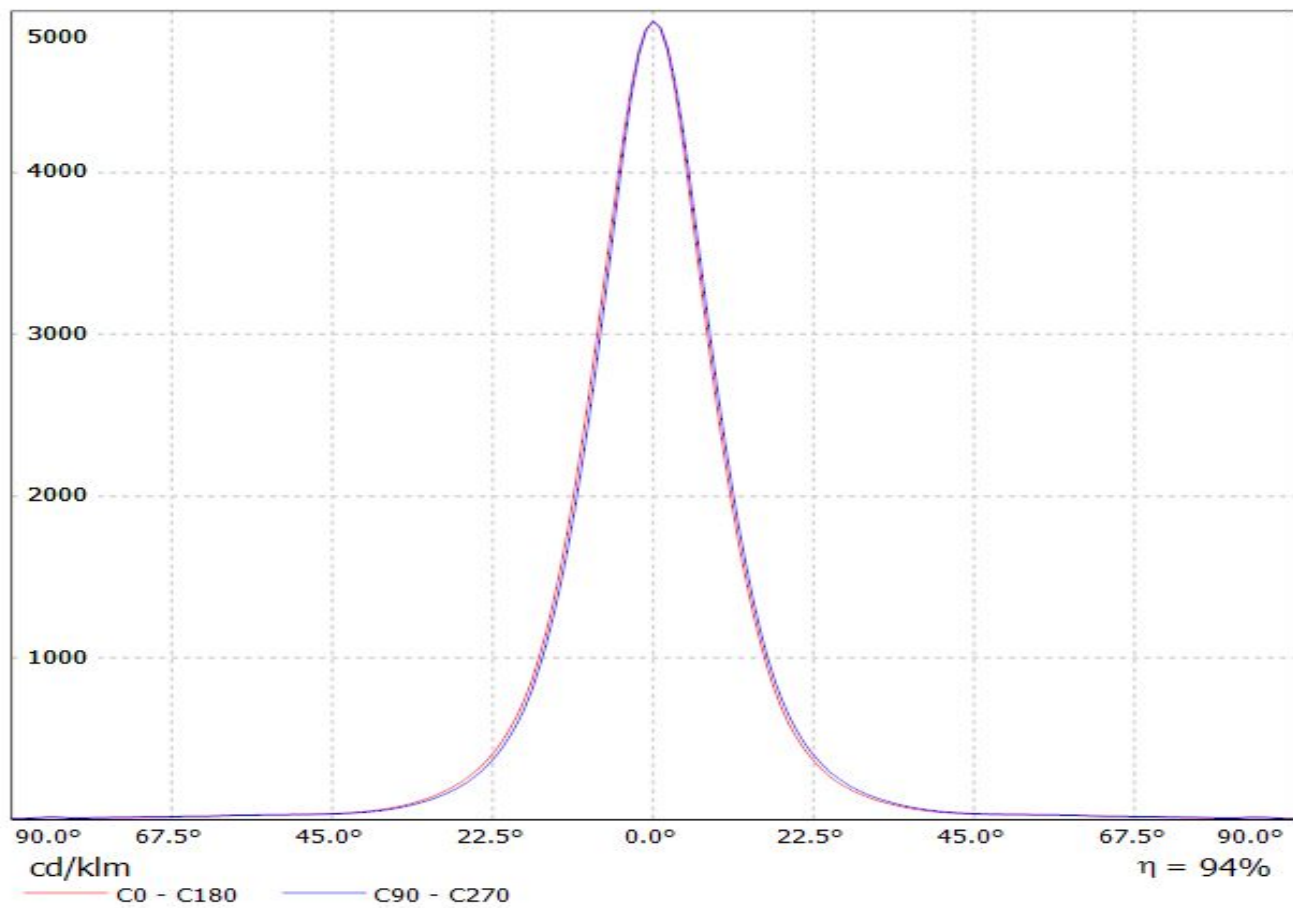
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SIZE	PART NUMBER
A3	CS14840

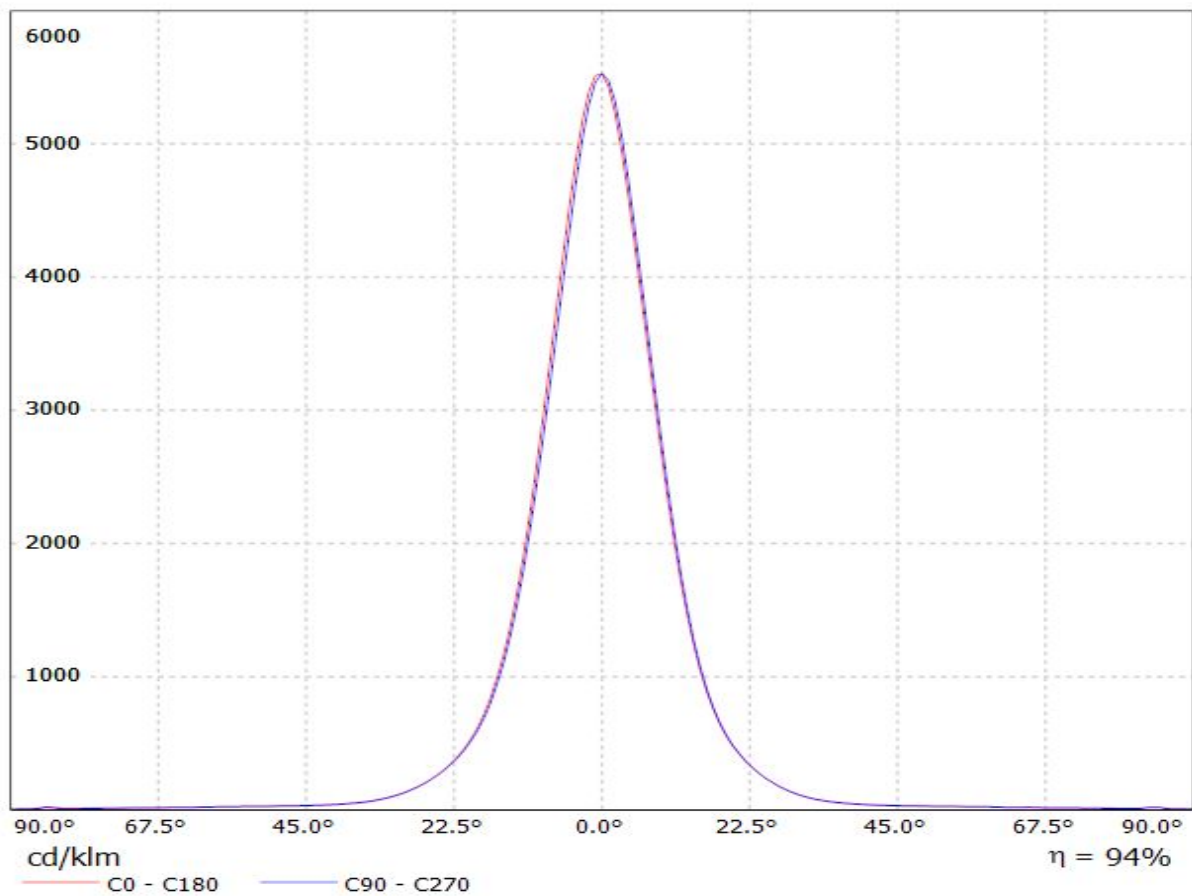
SCALE	1:1	WEIGHT	46.5 g	SHEET	1/1
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Luminaire: LEDiL Oy CS14840_HB-2X2MX-M_(XHP35_HD)

Lamps: 1 x Cree_XHP35_HD_(XHP35A-0-2D0-D40-D0-B-01)_1724.66lm@250mA_P=11.3017W_I=0.250A

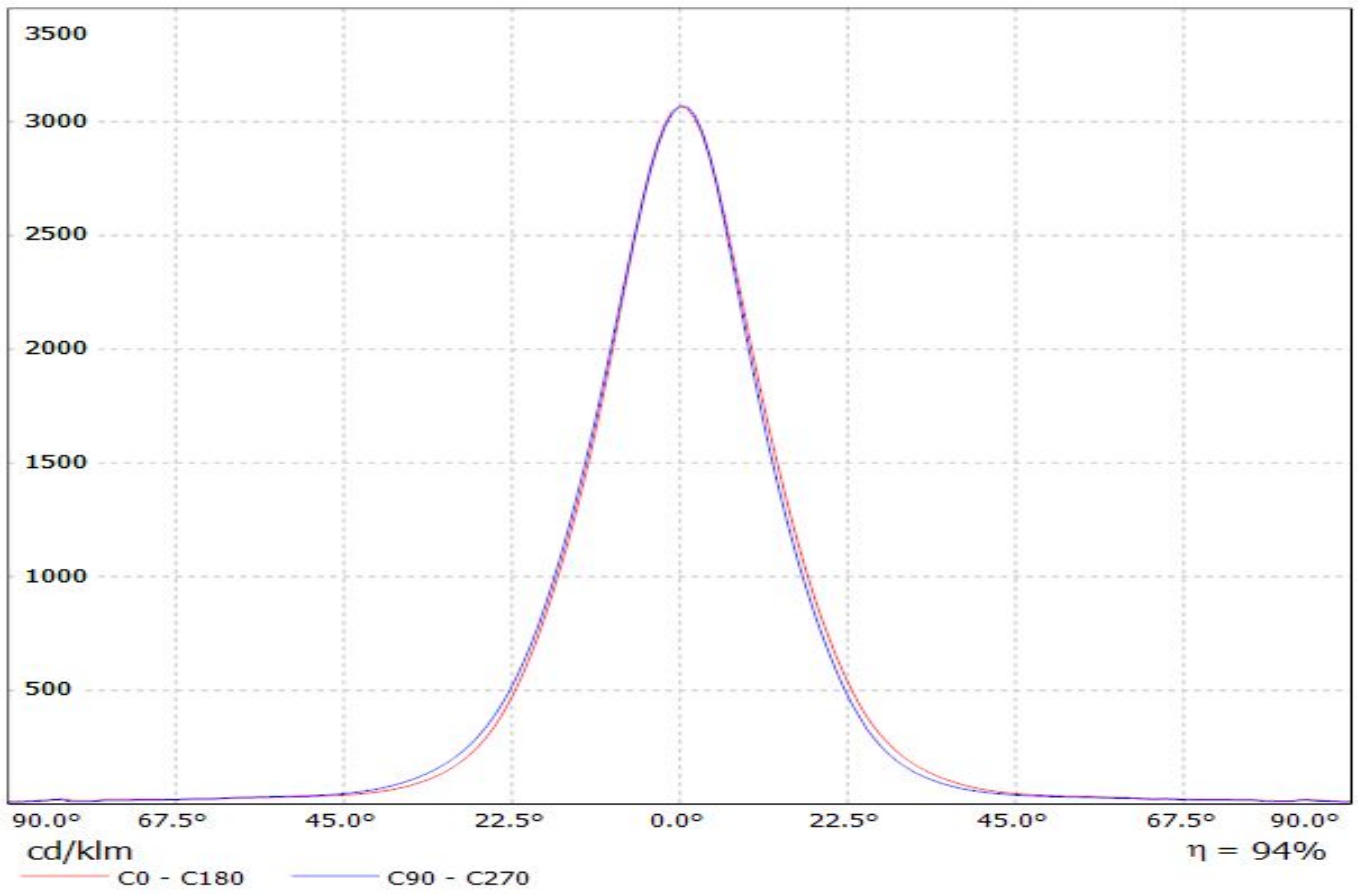


Luminaire: LEDiL Oy CS14840_HB-2X2MX-M_(XHP35_HI)
Lamps: 1 x Cree_XHP35_HI_(XHP35A-H-5C0-D40-D0-B-01)_1615.75lm@250mA_CCT=4000K_P=11.4373W_I=0.250A



Luminaire: LEDiL Oy CS14840_HB-2X2MX-M_(XHP50)

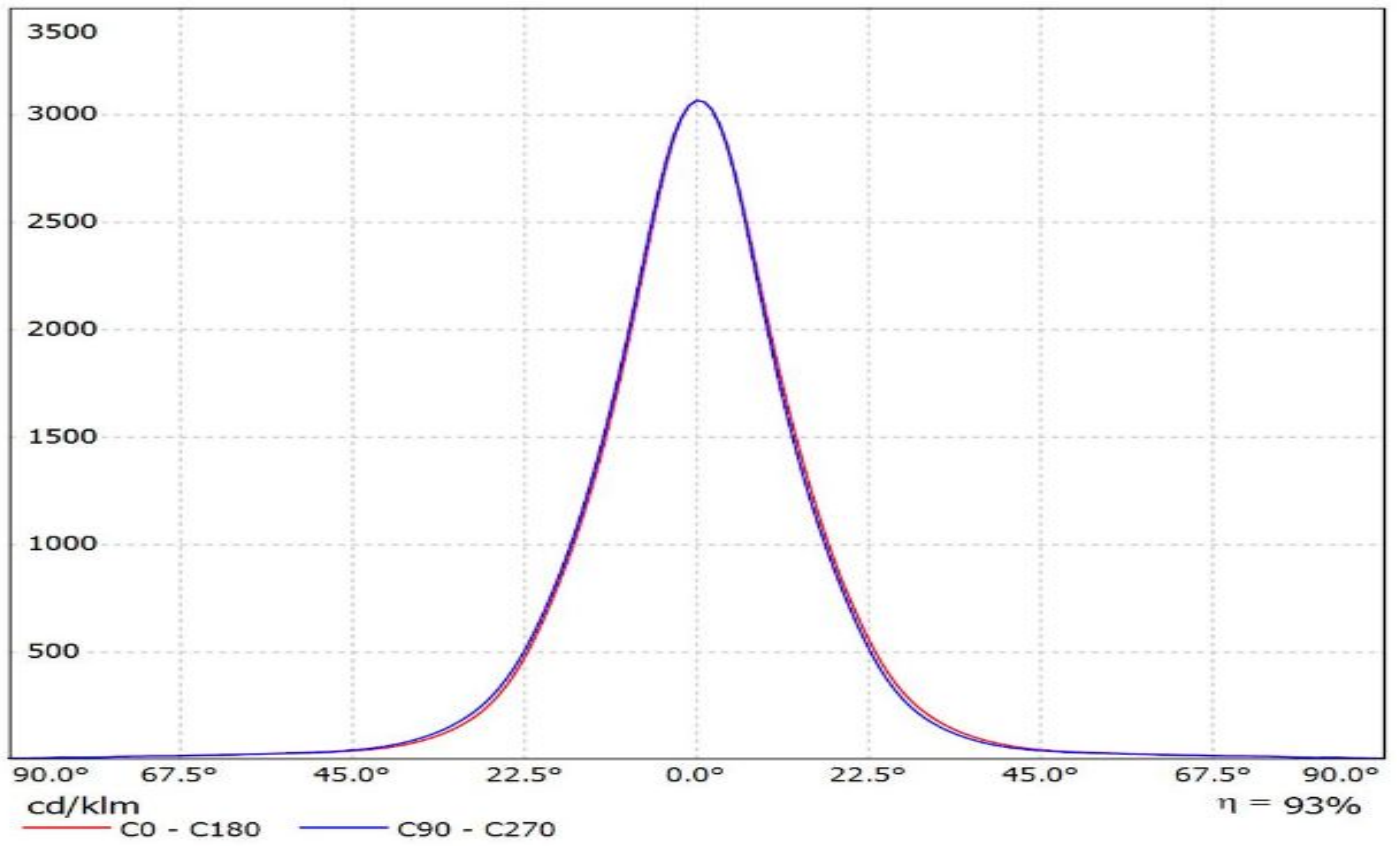
Lamps: 1 x Cree_XHP50_(XHP50-0-1B0-J20-D0-B-01)_1815.51lm@250mA_P=11.4658W_I=0.250A



Ledil CS14840_HB-2x2MX-M_(Luxeon_M) / LDC (Linear)

Luminaire: Ledil CS14840_HB-2x2MX-M_(Luxeon_M)

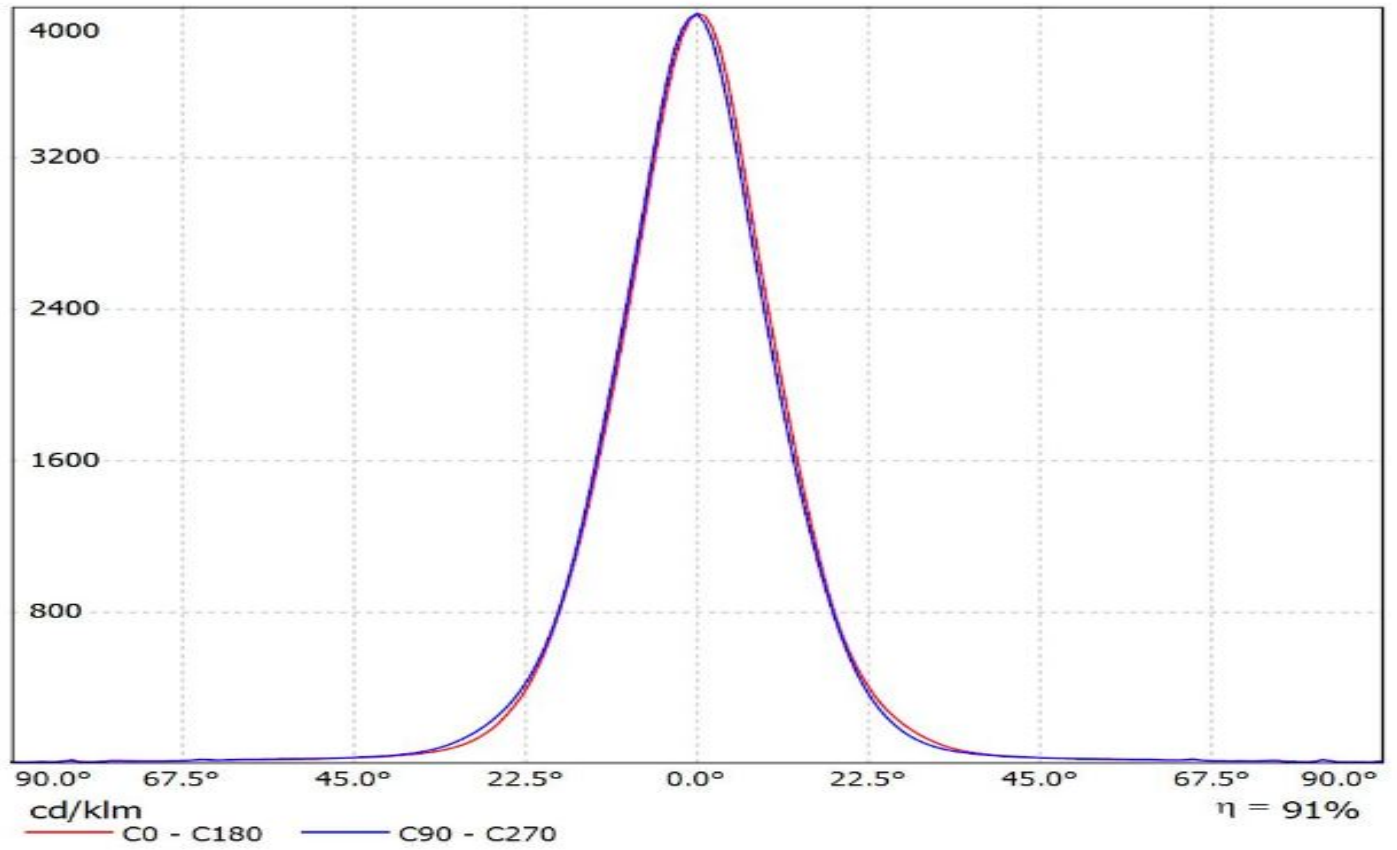
Lamps: 1 x Luxeon_M_2x2MX_(Lumileds)_1799.33lm@250mA_P=10.874W_I=0.25A



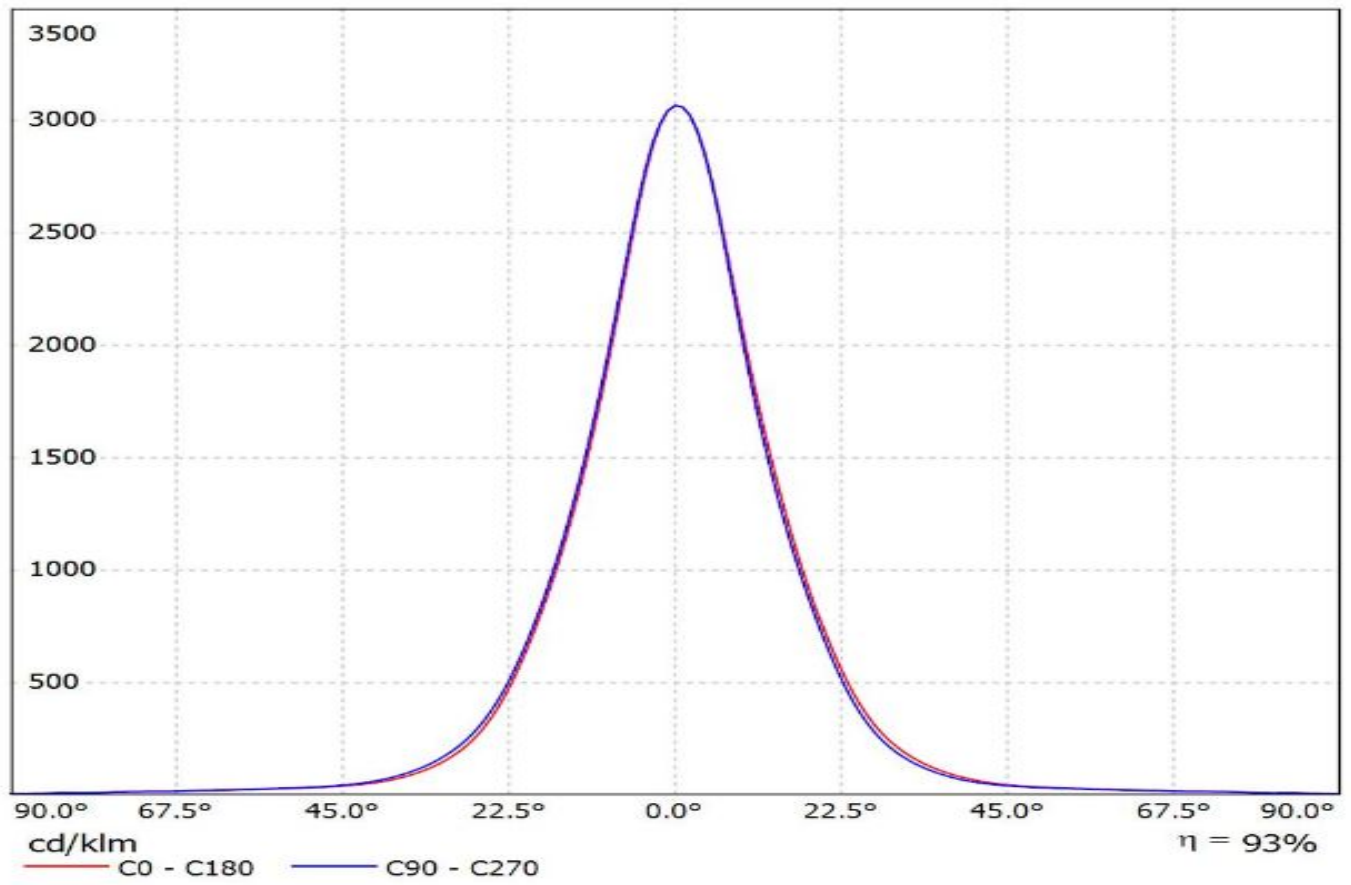
Ledil CS14840_HB-2x2MX-M_(Luxeon_MZ) / LDC (Linear)

Luminaire: Ledil CS14840_HB-2x2MX-M_(Luxeon_MZ)

Lamps: 1 x Luxeon_MZ-2x2MX_(LMZ9-SW30)_1123.93lm@250mA_CCT=3000K_P=10.967W_I=0.25A

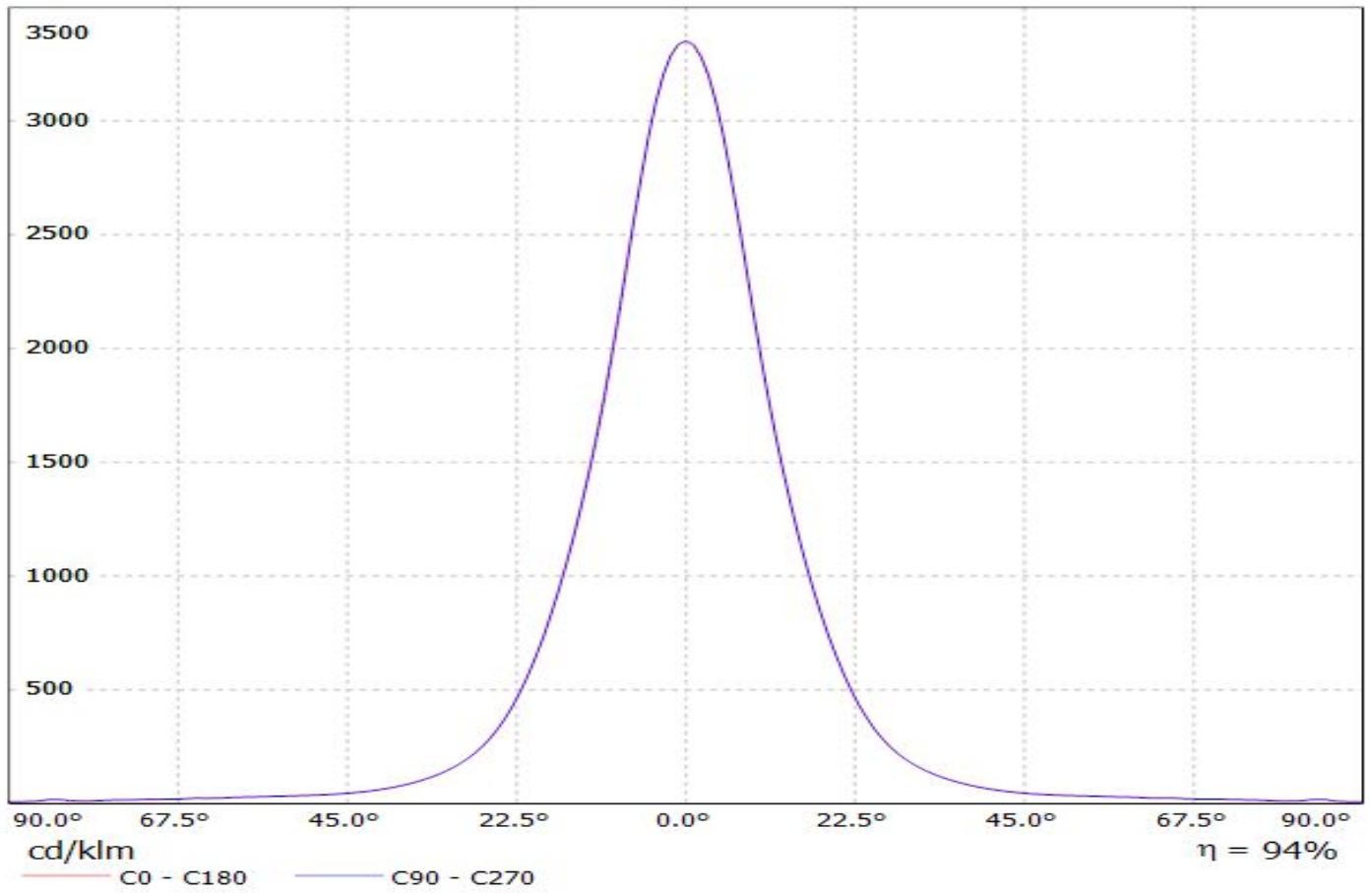


Luminaire: Ledil CS14840_HB-2x2MX-M (XR-M_2x2)
Lamps: 1 x Lumileds_XR-M_2x2_1799.33lm@250mA_P=10.874W_I=0.25A



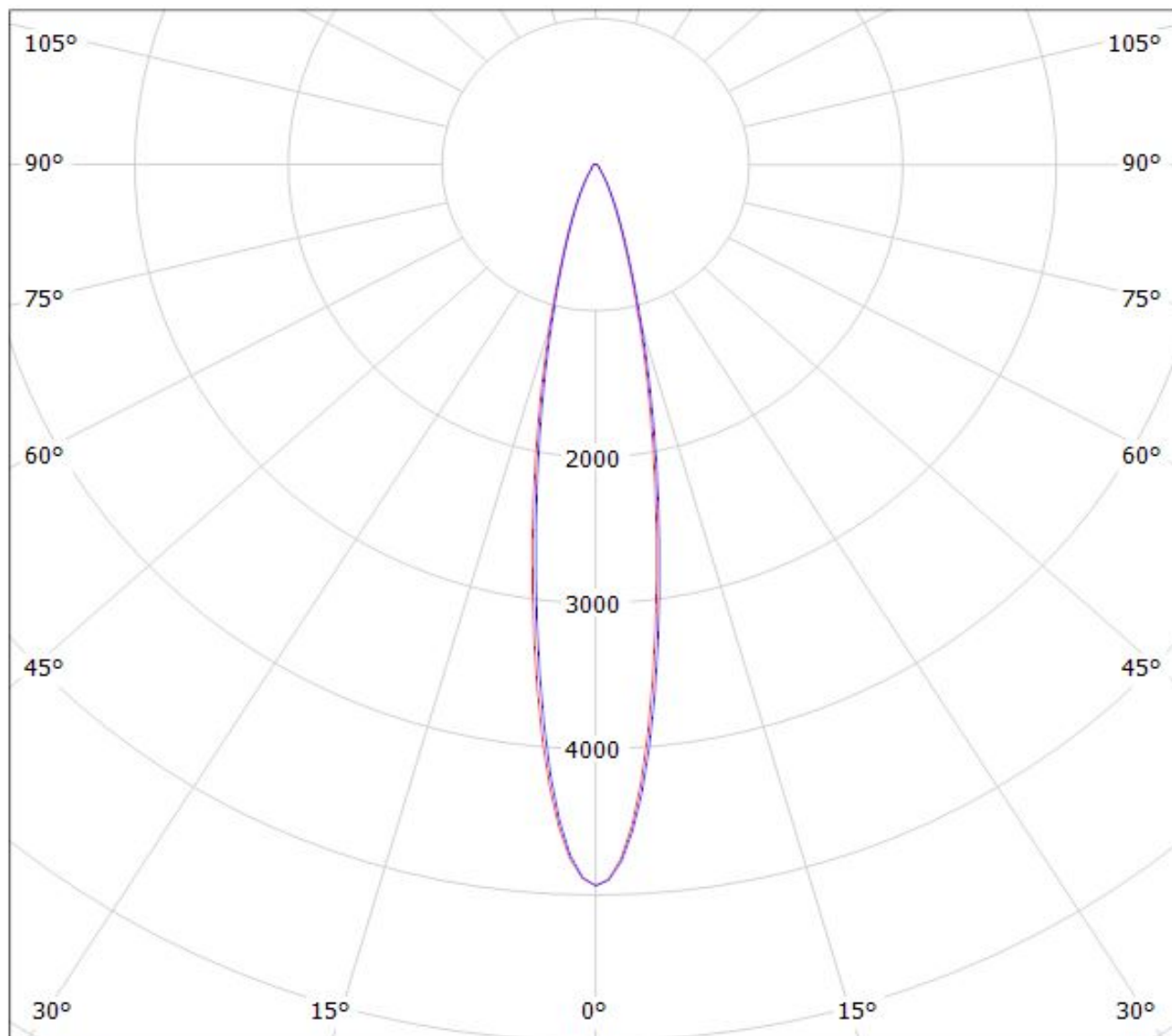
Luminaire: LEDiL Oy CS14840_HB-2X2MX-M_(NV4x144A)

Lamps: 1 x Nichia_NV4x144A_1841.22lm@250mA_P=10.9615W_I=0.250A



Luminaire: LEDiL Oy CS14840_HB-2X2MX-M_(XHP35_HD)

Lamps: 1 x Cree_XHP35_HD_(XHP35A-0-2D0-D40-D0-B-01)_1724.66lm@250mA_P=11.3017W_η=0.250A



cd/klm

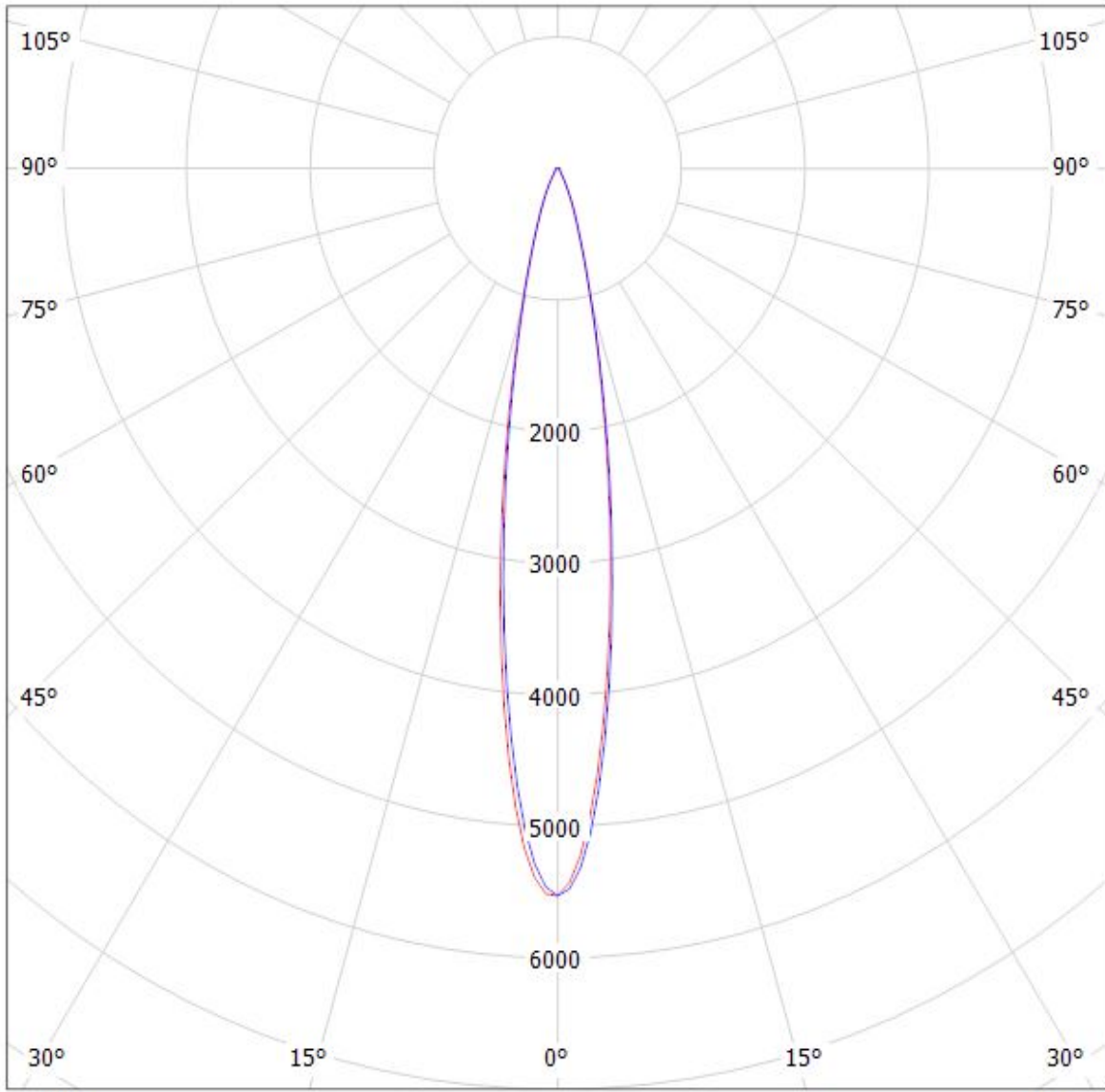
— C0 - C180

— C90 - C270

η = 94%

Luminaire: LEDiL Oy CS14840_HB-2X2MX-M_(XHP35_HI)

Lamps: 1 x Cree_XHP35_HI_(XHP35A-H-5C0-D40-D0-B-01)_1615.75lm@250mA_CCT=4000K_P=11.4373W_I=0.250A



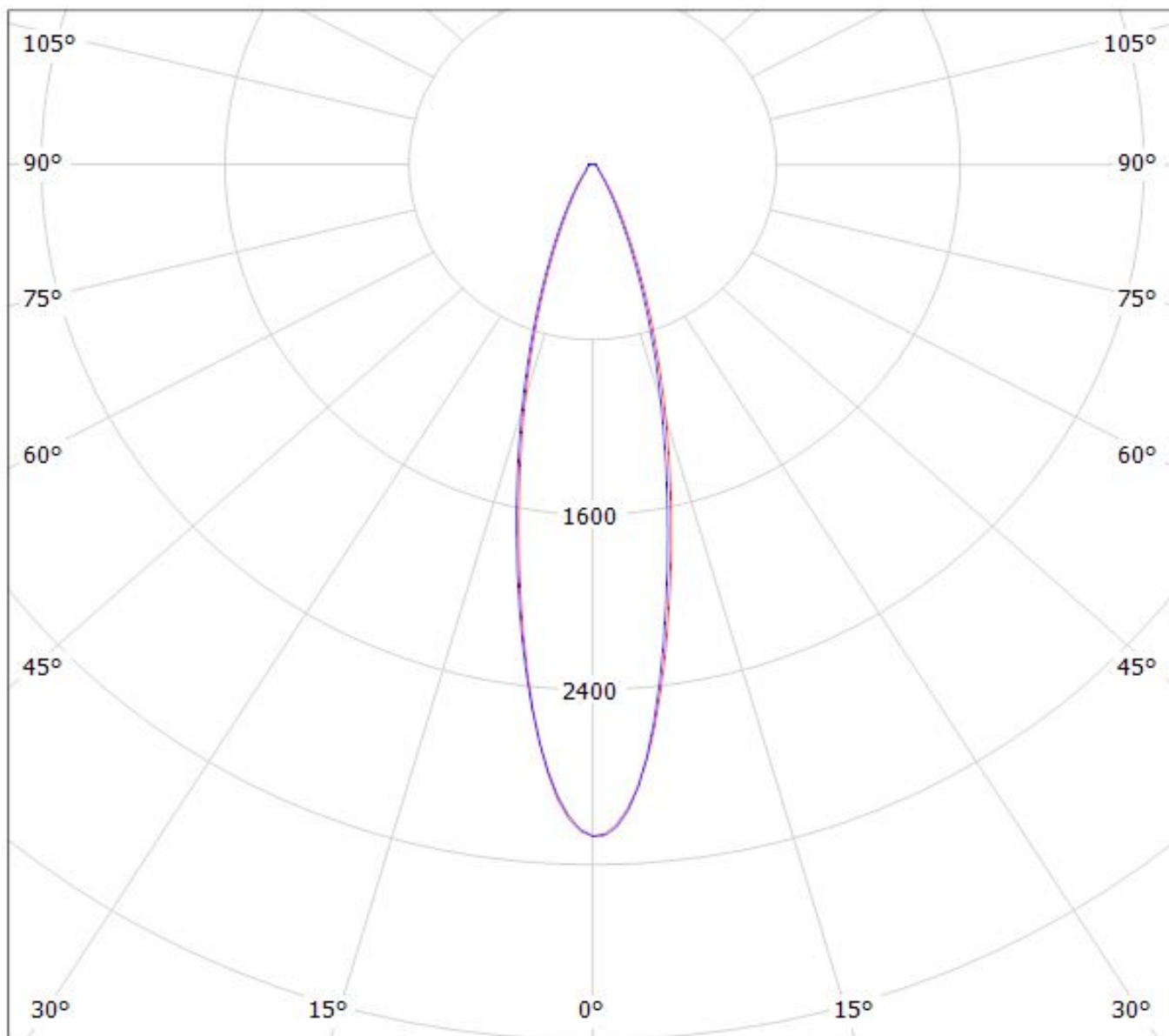
cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy CS14840_HB-2X2MX-M_(XHP50)

Lamps: 1 x Cree_XHP50_(XHP50-0-1B0-J20-D0-B-01)_1815.5lm@250mA_P=11.4658W_I=0.250A



cd/klm

— C0 - C180

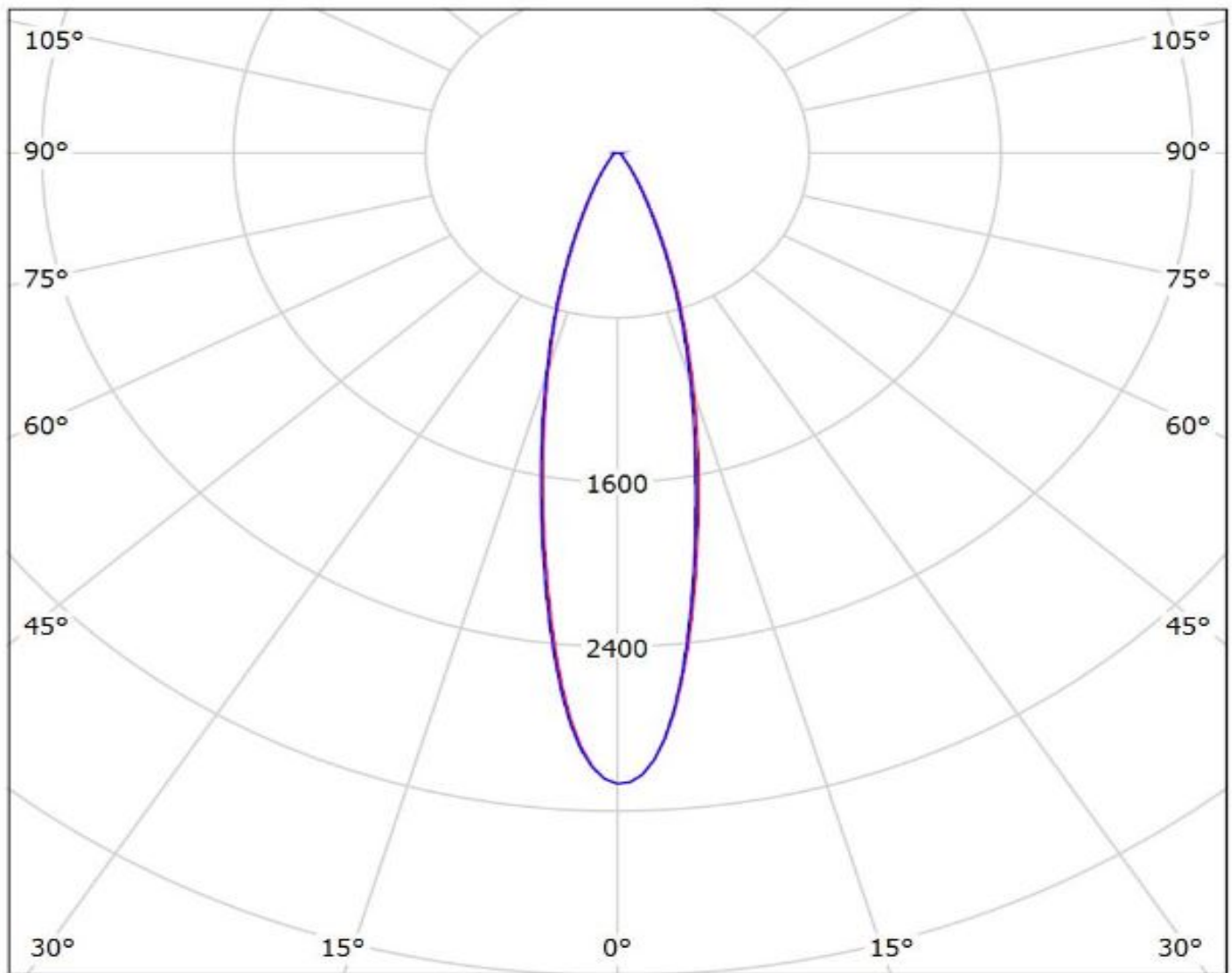
— C90 - C270

$\eta = 94\%$

Ledil CS14840_HB-2x2MX-M_(Luxeon_M) / LDC (Polar)

Luminaire: Ledil CS14840_HB-2x2MX-M_(Luxeon_M)

Lamps: 1 x Luxeon_M_2x2MX_(Lumileds)_1799.33lm@250mA_P=10.874W_I=0.25A



cd/klm

— C0 - C180

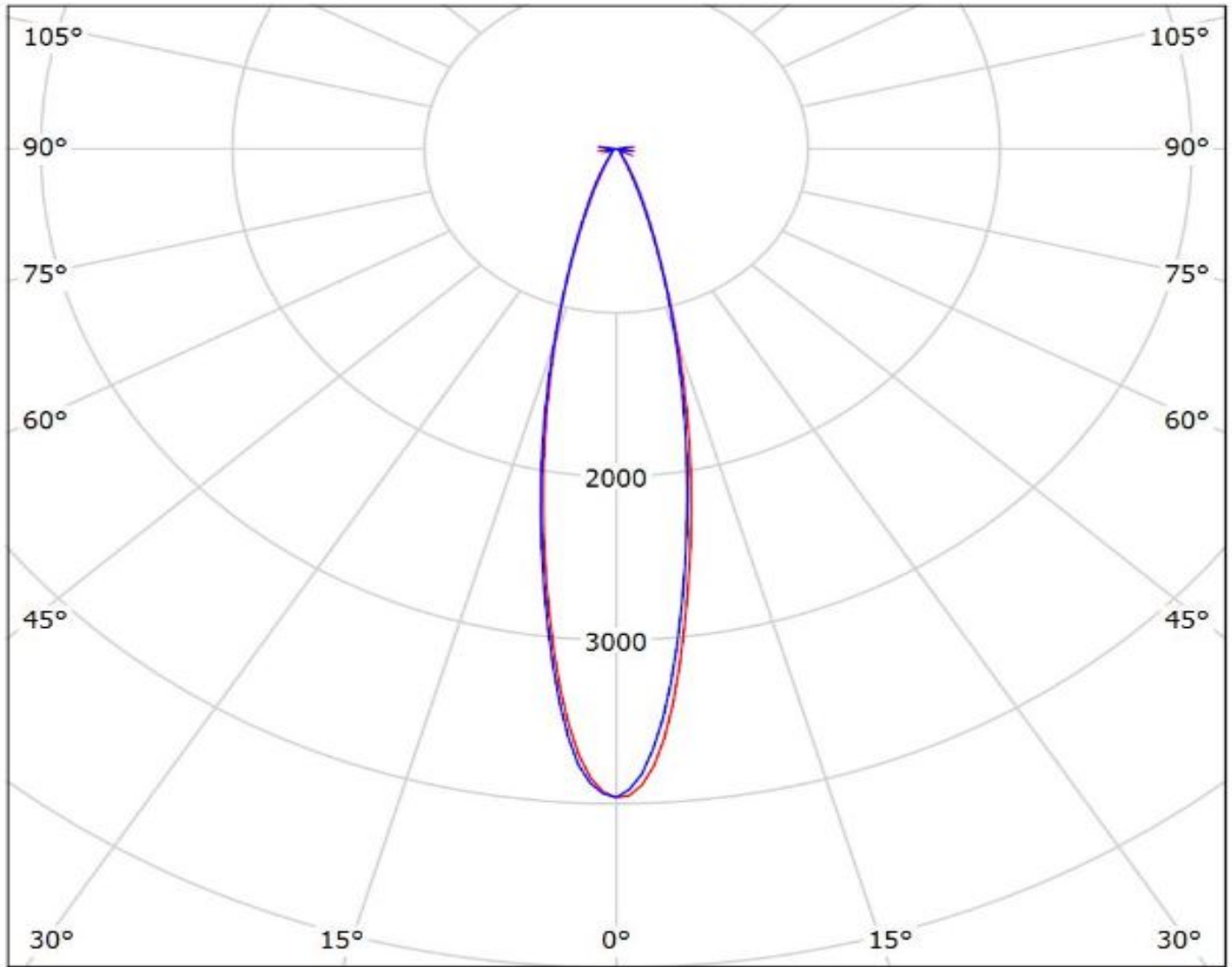
— C90 - C270

η = 93%

Ledil CS14840_HB-2x2MX-M_(Luxeon_MZ) / LDC (Polar)

Luminaire: Ledil CS14840_HB-2x2MX-M_(Luxeon_MZ)

Lamps: 1 x Luxeon_MZ-2x2MX_(LMZ9-SW30)_1123.93lm@250mA_CCT=3000K_P=10.967W_I=0.25A



cd/klm

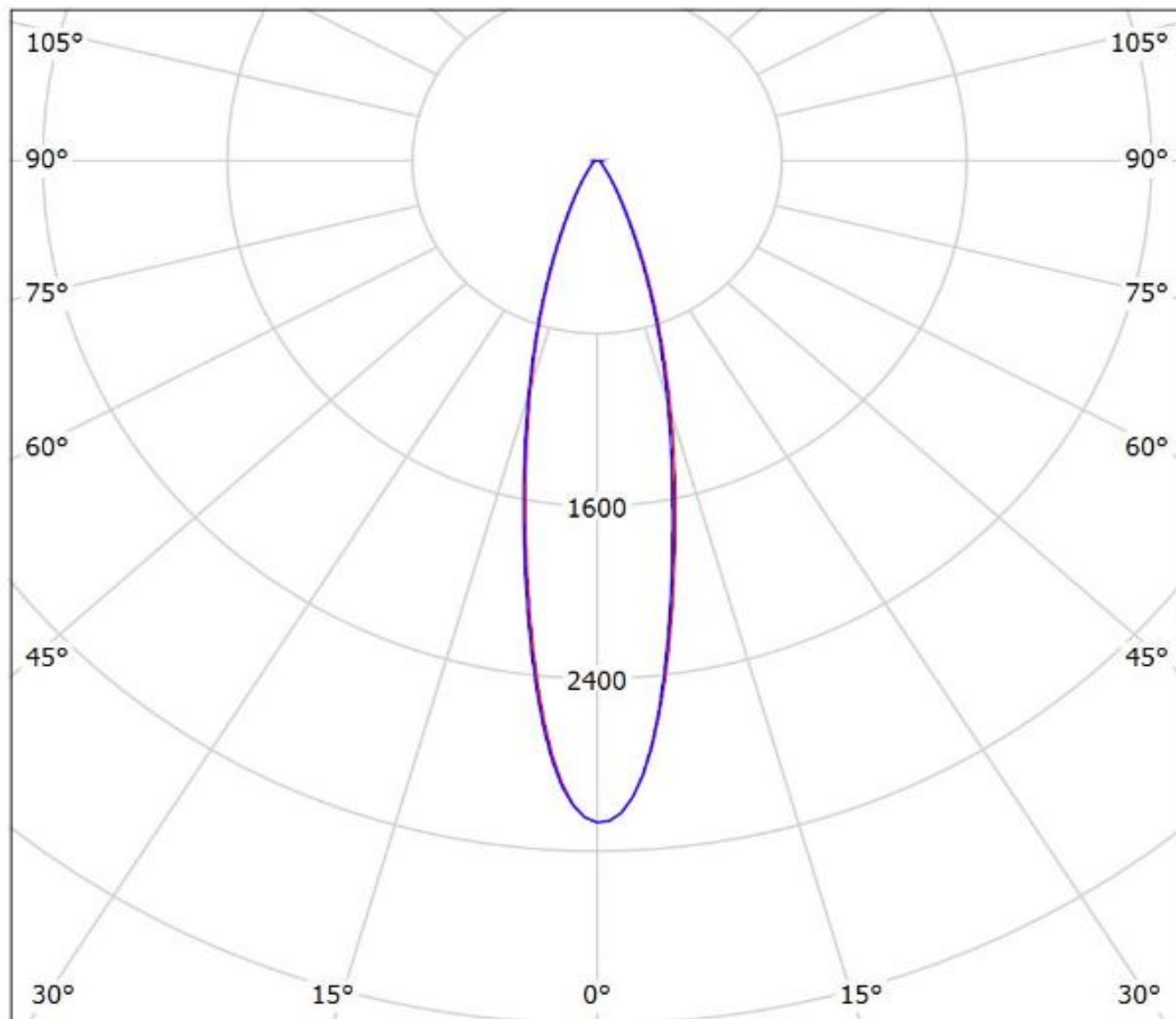
— C0 - C180

— C90 - C270

$\eta = 91\%$

Luminaire: Ledil CS14840_HB-2x2MX-M_(XR-M_2x2)

Lamps: 1 x Lumileds_XR-M_2x2_1799.33lm@250mA_P=10.874W_I=0.25A



cd/klm

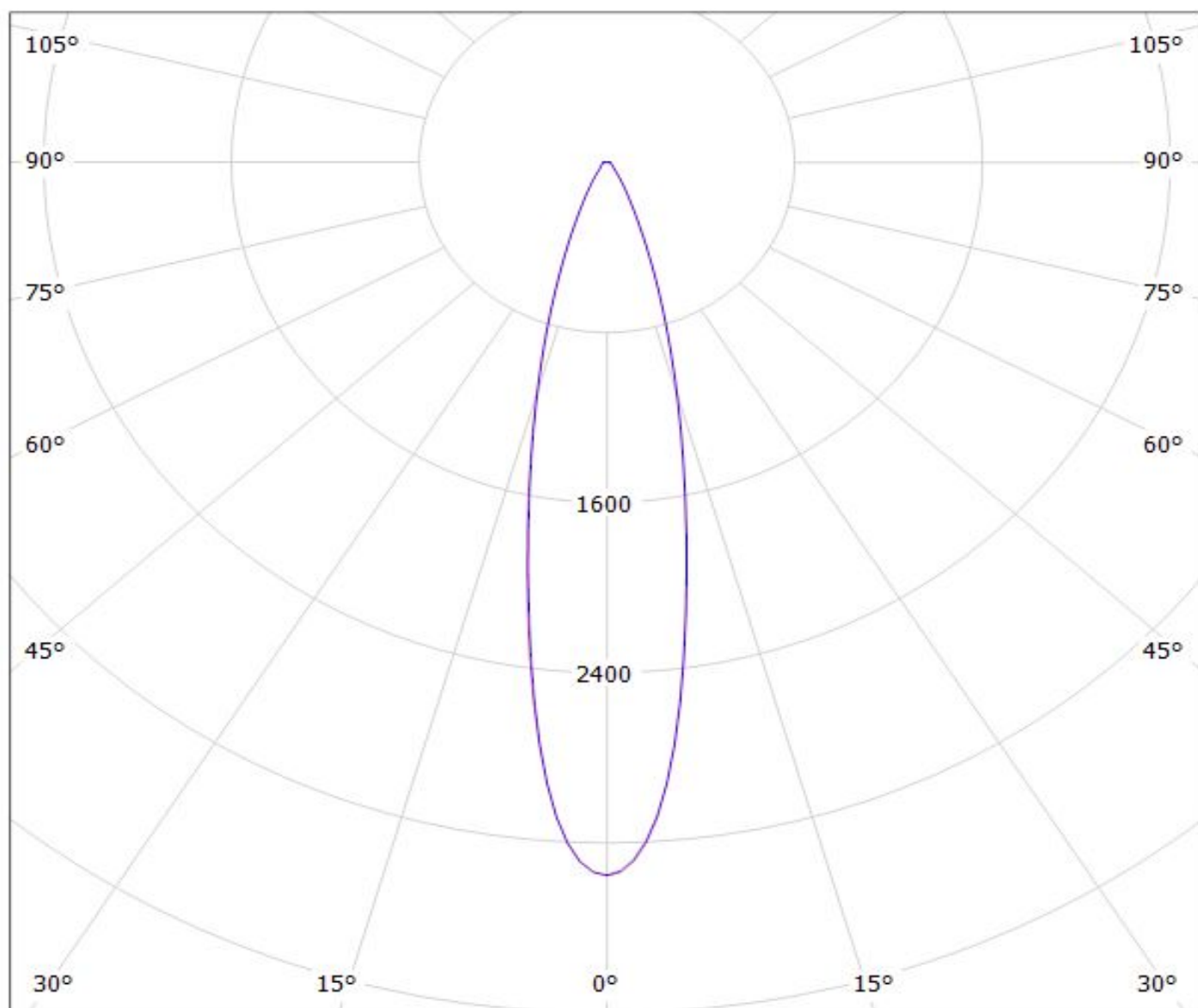
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy CS14840_HB-2X2MX-M_(NV4x144A)

Lamps: 1 x Nichia_NV4x144A_1841.22lm@250mA_P=10.9615W_I=0.250A



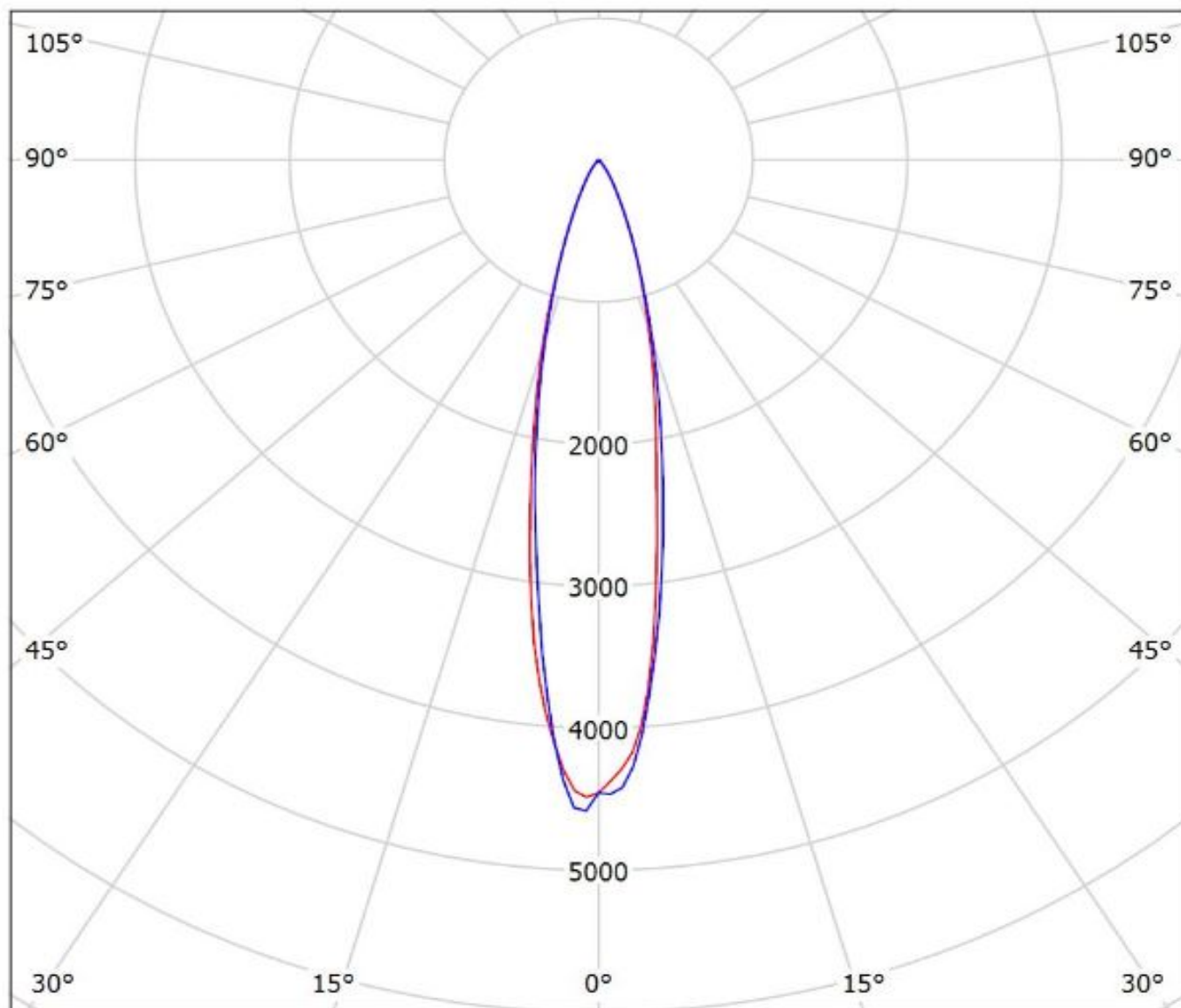
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: Ledil Oy CS14840_HB-2X2MX-M_NFMW488AR_SIMULATED
Lamps: 1 x NICHIA NFMW488AR



cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

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.