PRODUCT DATASHEET
Florentina series
last update 23/1/2018



DETAILS

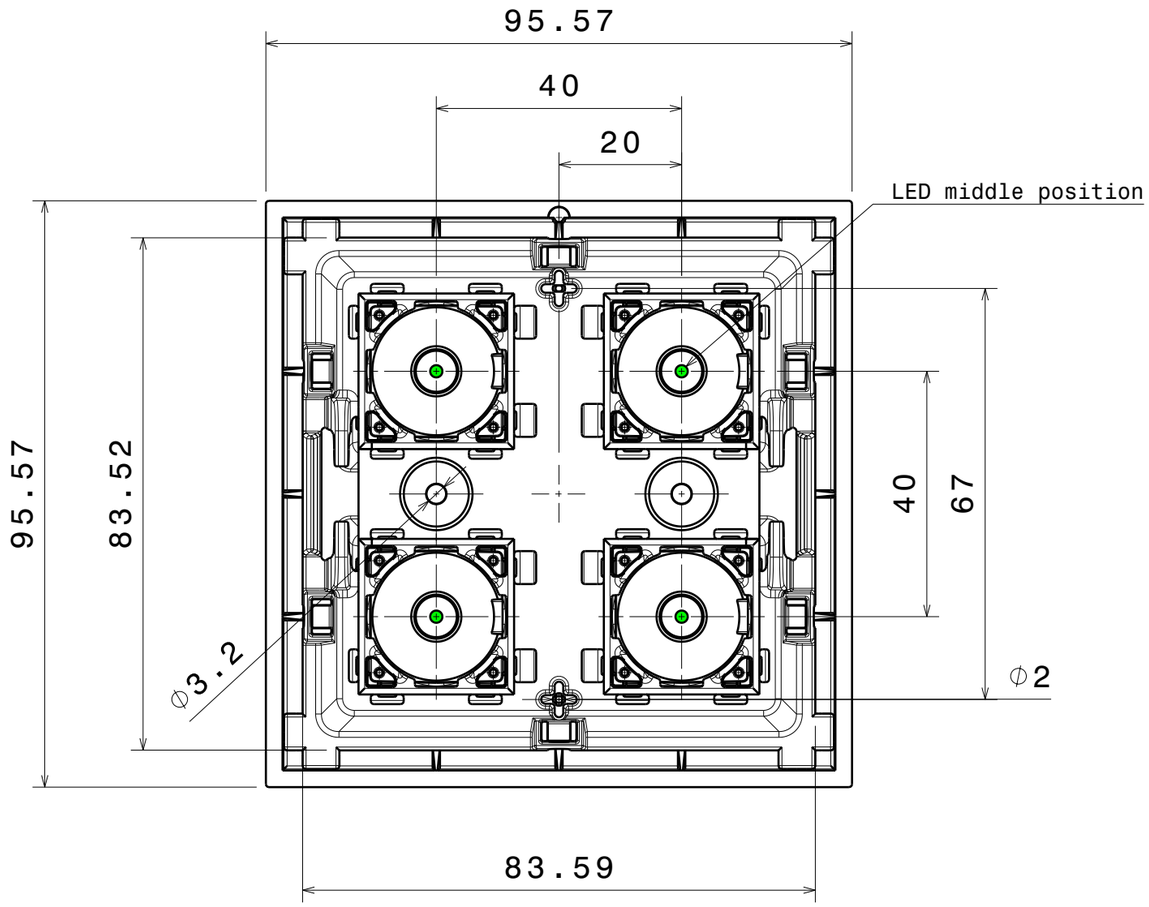
Product Number	FC14975_FLORENTINA-2X2-W
Family	Florentina
Type	Pack
Color	black
Diameter	95,57x95,57 mm
Height	17,72 mm
Style	square
Optic Material	PC
Holder Material	
Fastening	pin, screw
Status	production ready
ROHS Compliant	Yes
Date Updated	23/01/2018

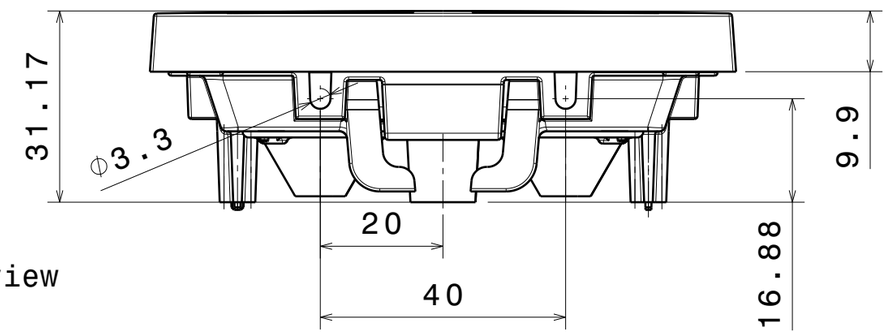
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XP-L	49 deg		70 %	1.000	-
XHP35 HD	49 deg		70 %	1.000	-
LUXEON TX	41 deg		76 %	1.500	-
LUXEON MZ	36 deg		66 %	1.500	-
NVSxx19B/NVSxx19C	42 deg		80 %	1.400	-
Oslon Square Gen3	35 deg		69 %	1.600	-

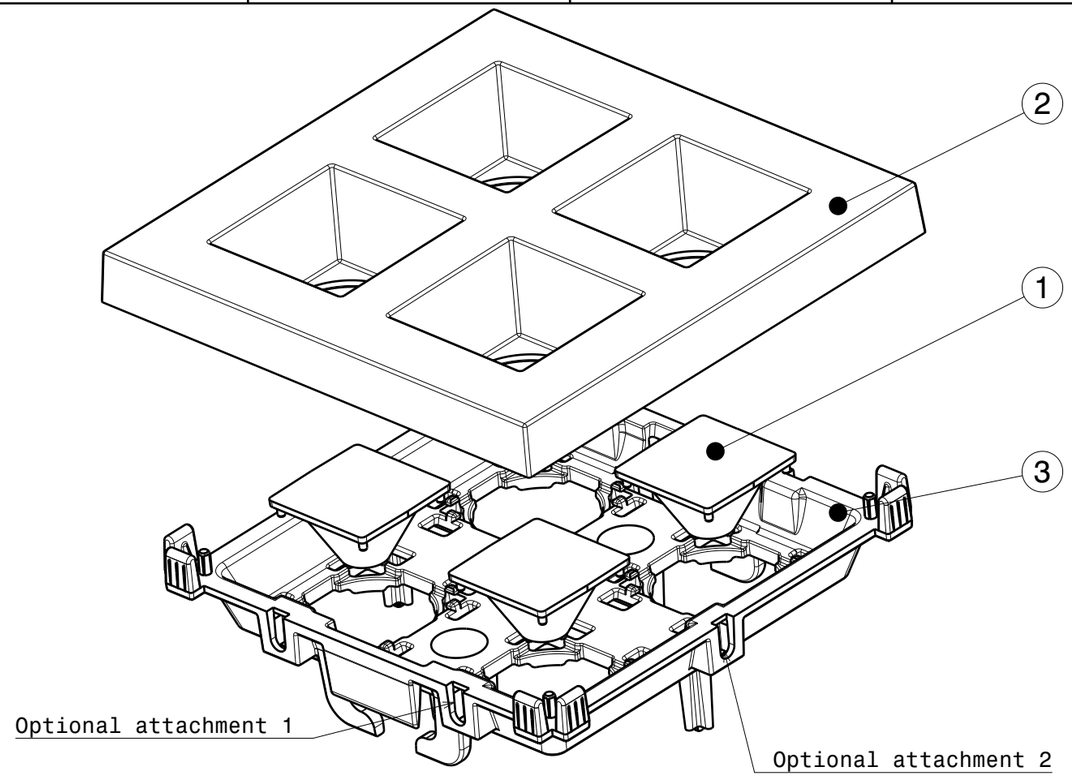
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FAX: +358-2-733 8001





Side view



Isometric view
Scale: 1:1

Isometric view
Scale: 1:1

Assembly:

1. Attach lenses by pressing them down until they snap into place.
2. Screw the holder (with lenses assembled) to PCB. Inspect that the positioning pins are securely in their holes.
3. Press the shade down on the holder until they are securely attached.

Optional side attachment: The holder can also be attached with DIN 7985 M3 nuts

1. One nut per side for rotational attachment
2. Two per side for fixed beam direction

Recommendations:

Screw type DIN 7985 M3, max. torque 0.6Nm

Compatible with Strada-2X2MX PCB

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	CMC / MRK lenses	-	
2	C14734	FLORENTINA-2X2-SHD	PC	black
3	C14735	FLORENTINA-2X2-HLD	PC	black

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

THIRD ANGLE PROJECTION:

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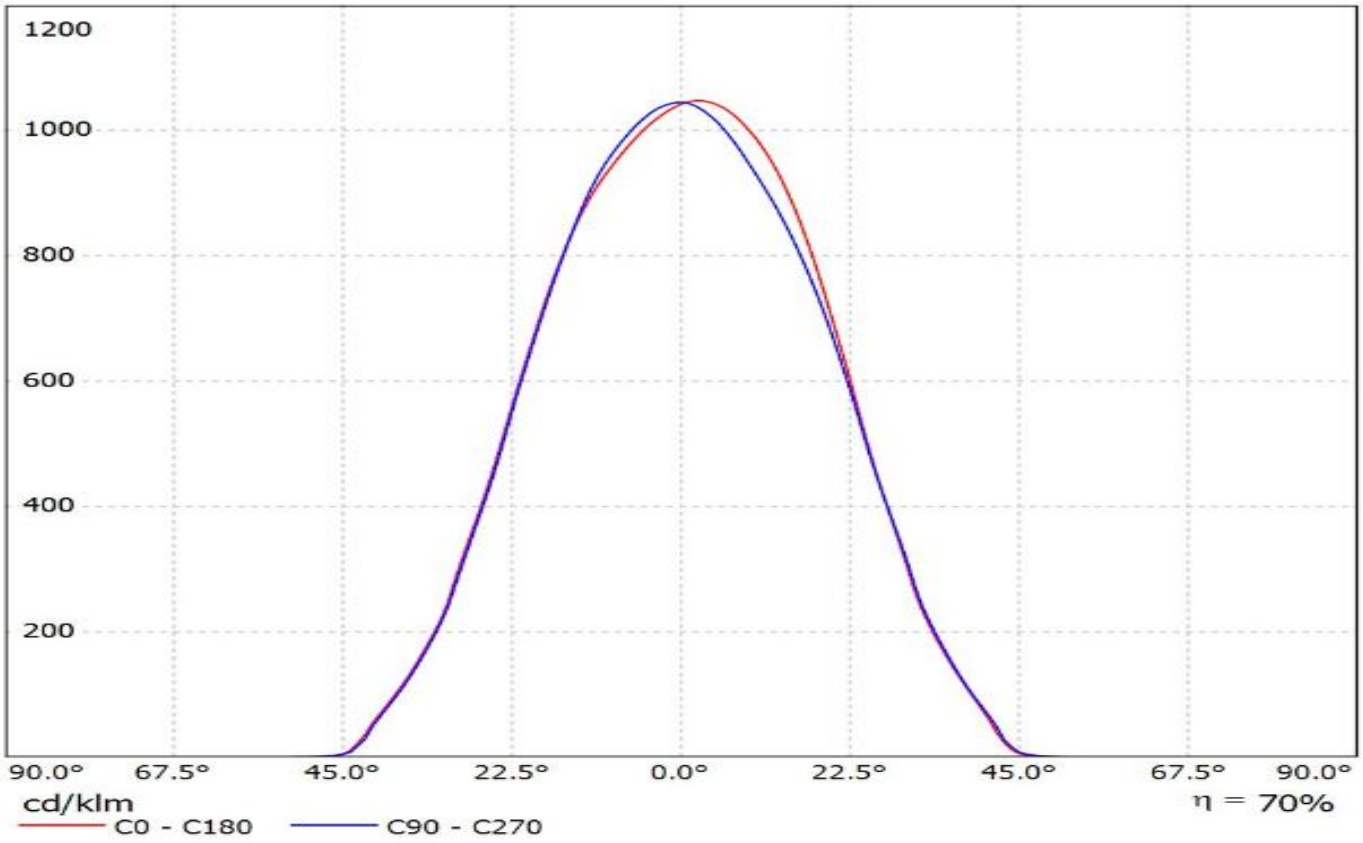
DRAWING TITLE
FLORENTINA-2x2 assembly

SIZE A3 | PART NUMBER -

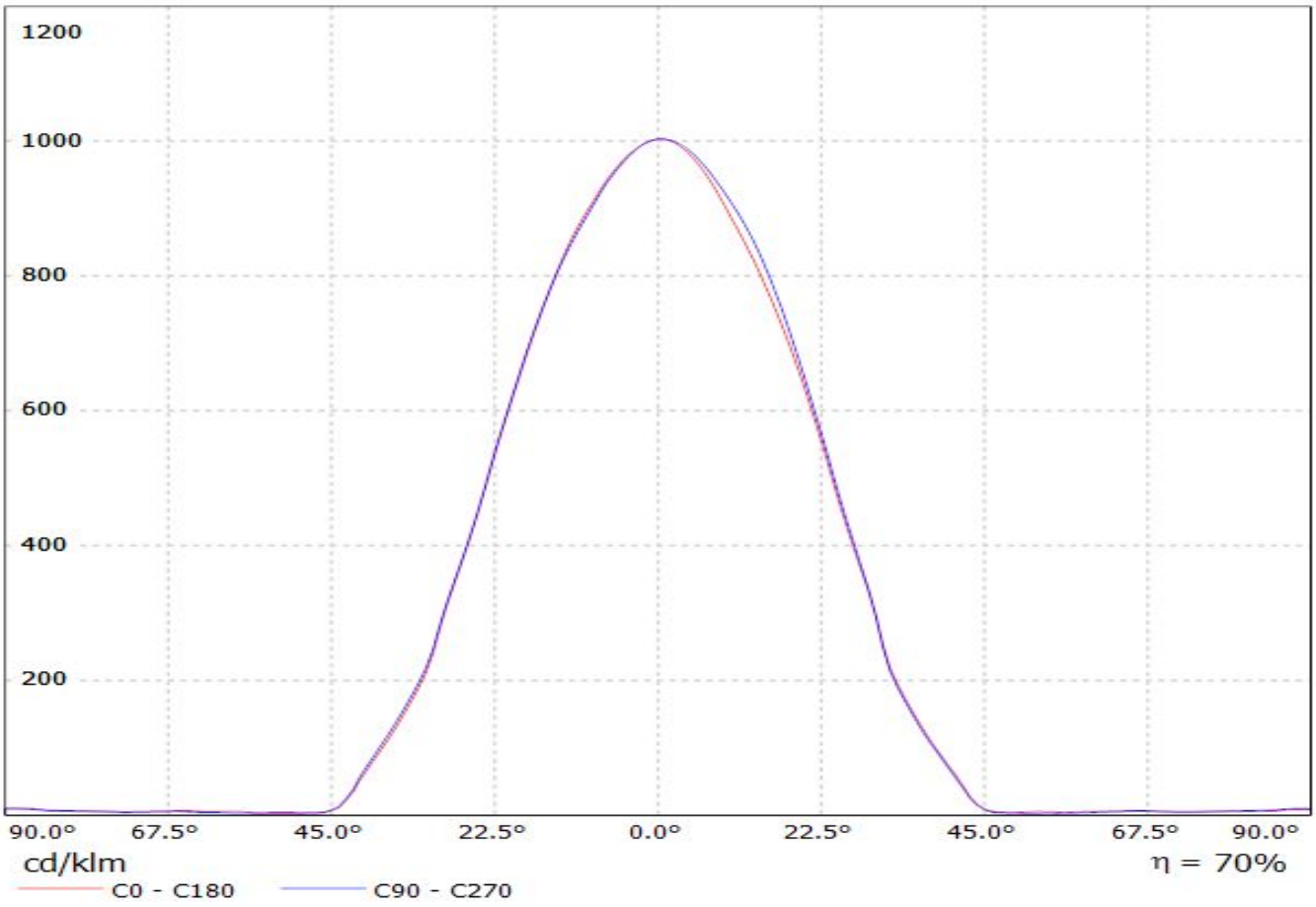
SCALE 1:1 | WEIGHT - | SHEET 1/1

Ledil FC14975_FLORENTINA-2X2-W_(XP-L) / LDC (Linear)

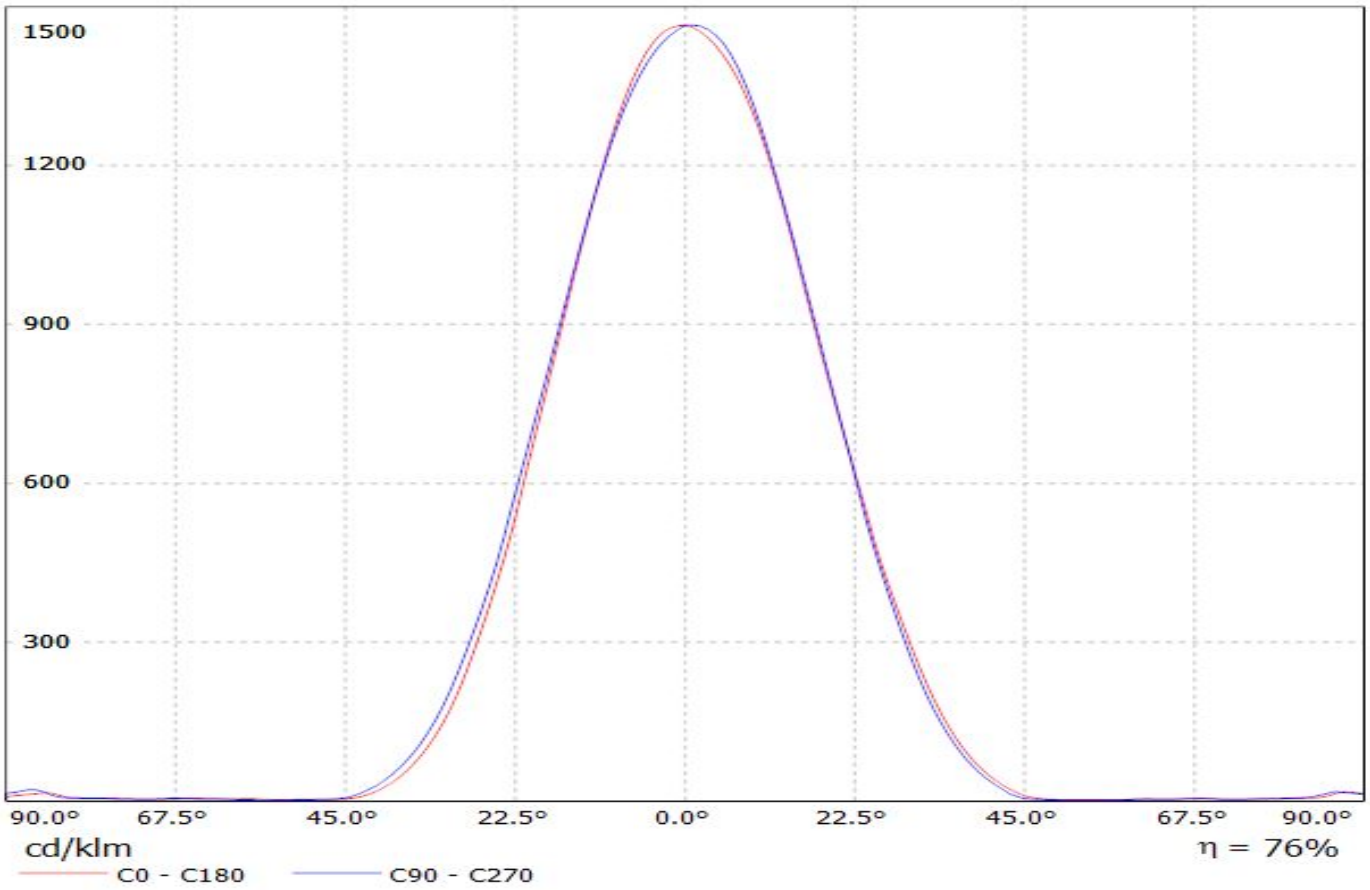
Luminaire: Ledil FC14975_FLORENTINA-2X2-W_(XP-L)
Lamps: 1 x CREE_XP-L_2x2MX_(XPLAWT-0-1B0-V40-00-0001)_515.493lm@250mA_P=2.8W_I=0.25A



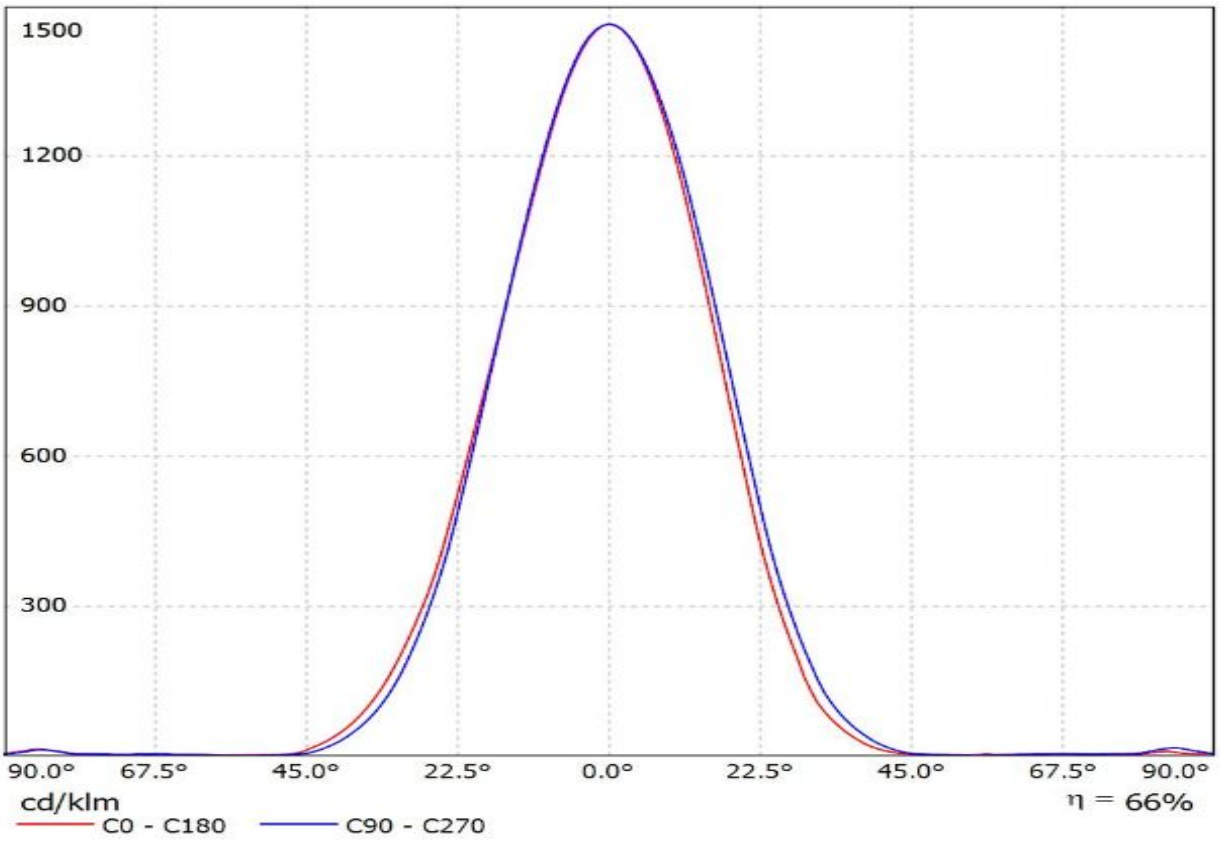
Luminaire: LEDiL Oy FC14975_FLORENTINA-2X2-W_(XHP35-HD)
Lamps: 1 x XHP35-HD_(XHP35A-0-2D0-D40-D0-B-01)_1705.7lm@250mA_P=11.219W_I=0.250A



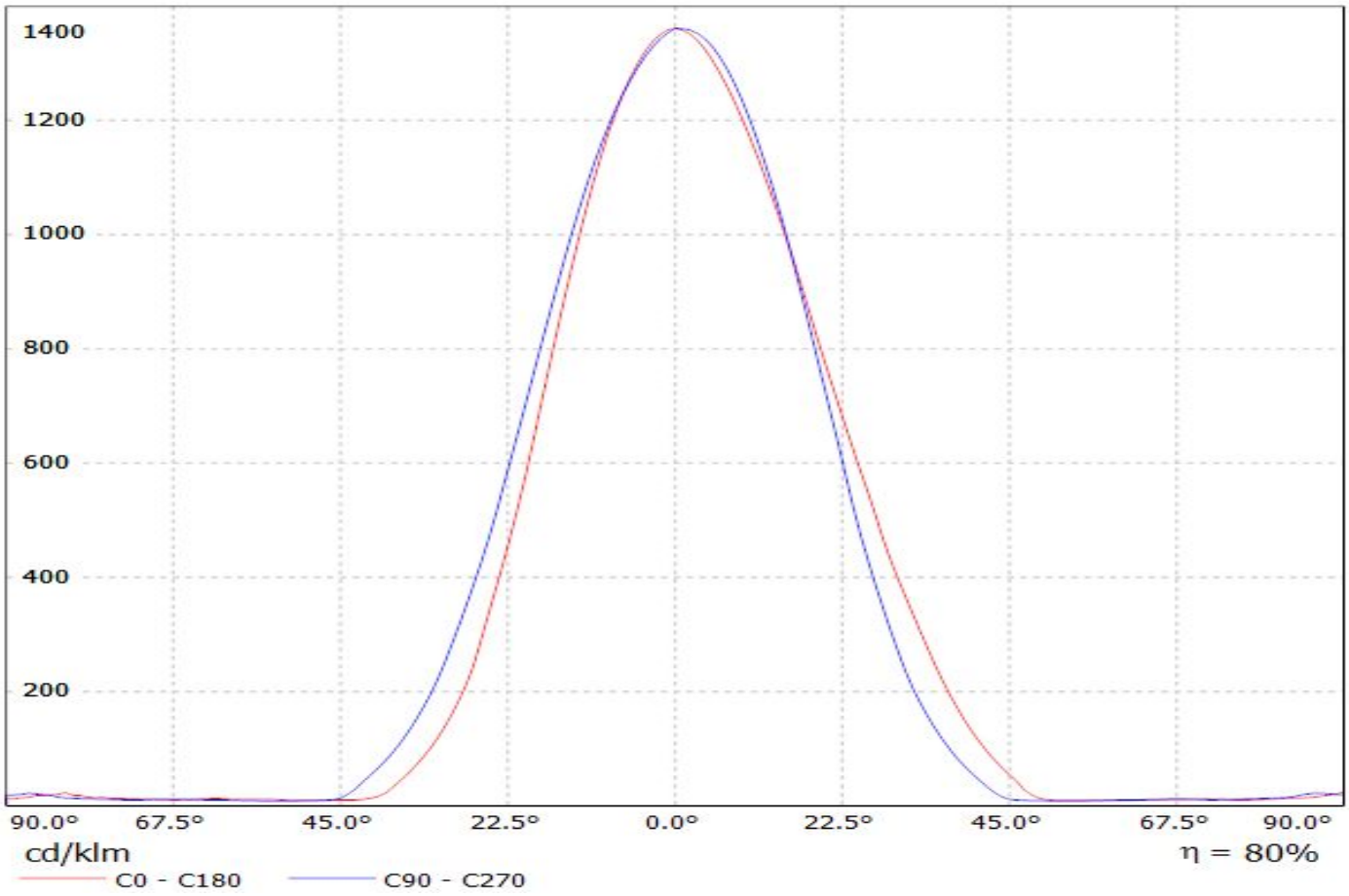
Luminaire: LEDiL Oy FC14975_FLORENTINA-2X2-W_(Luxeon_TX)
Lamps: 1 x Luxeon_TX_(L1T2-3080000000000)_344.318lm@250mA_P=2.85411W_I=0.250A



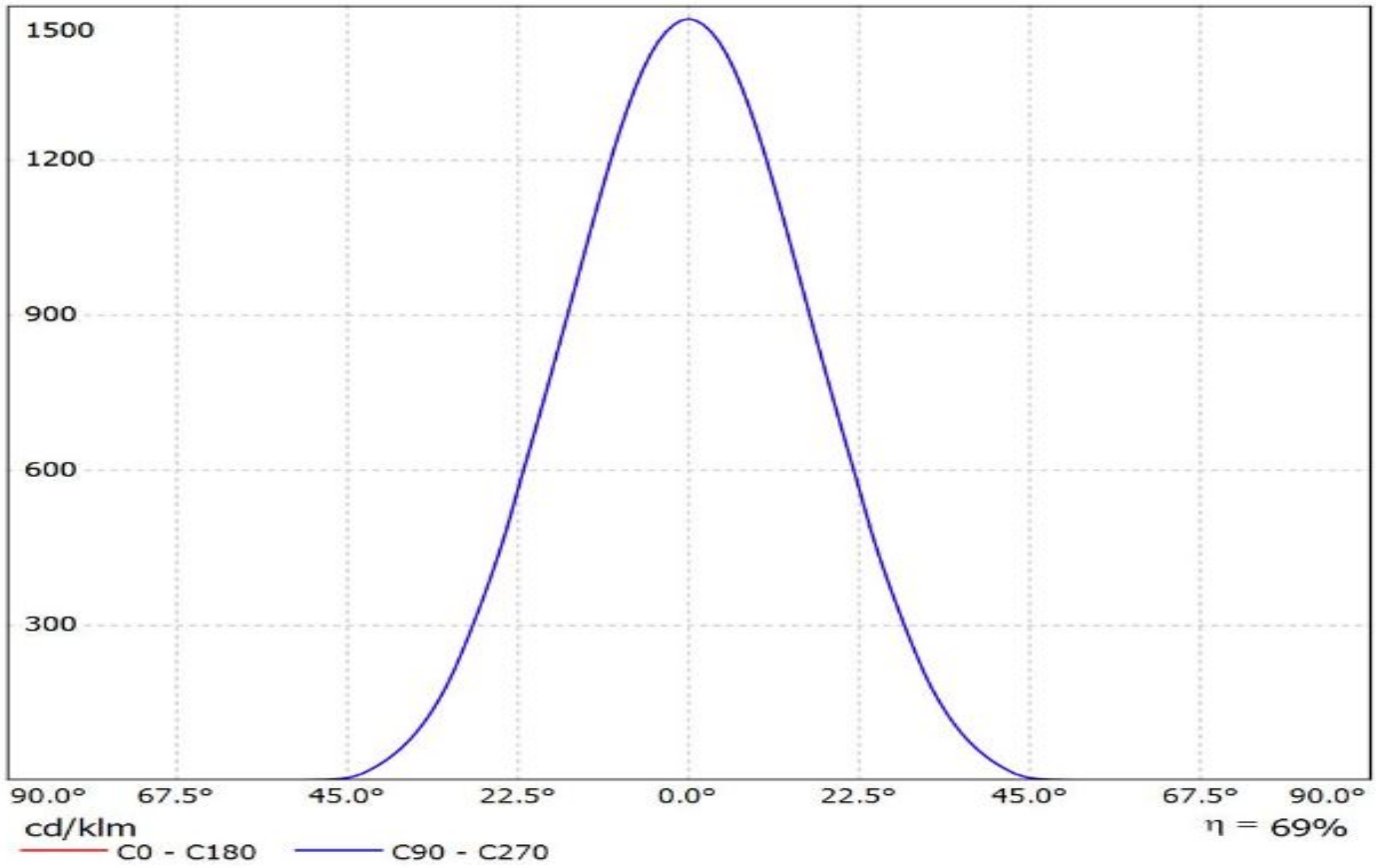
Luminaire: Ledil FC14975_FLORENTINA-2X2-W_(Luxeon_MZ)
Lamps: 1 x Luxeon_MZ_2x2_(LM29-SW30)_1110.46lm@250mA_P=11.0448W_I=0.25A



Luminaire: LEDiL Oy FC14975_FLORENTINA-2X2-W_(NVSxx19c)
Lamps: 1 x NVSxx19c_412.136lm@250mA_P=2.81612W_I=0.250A

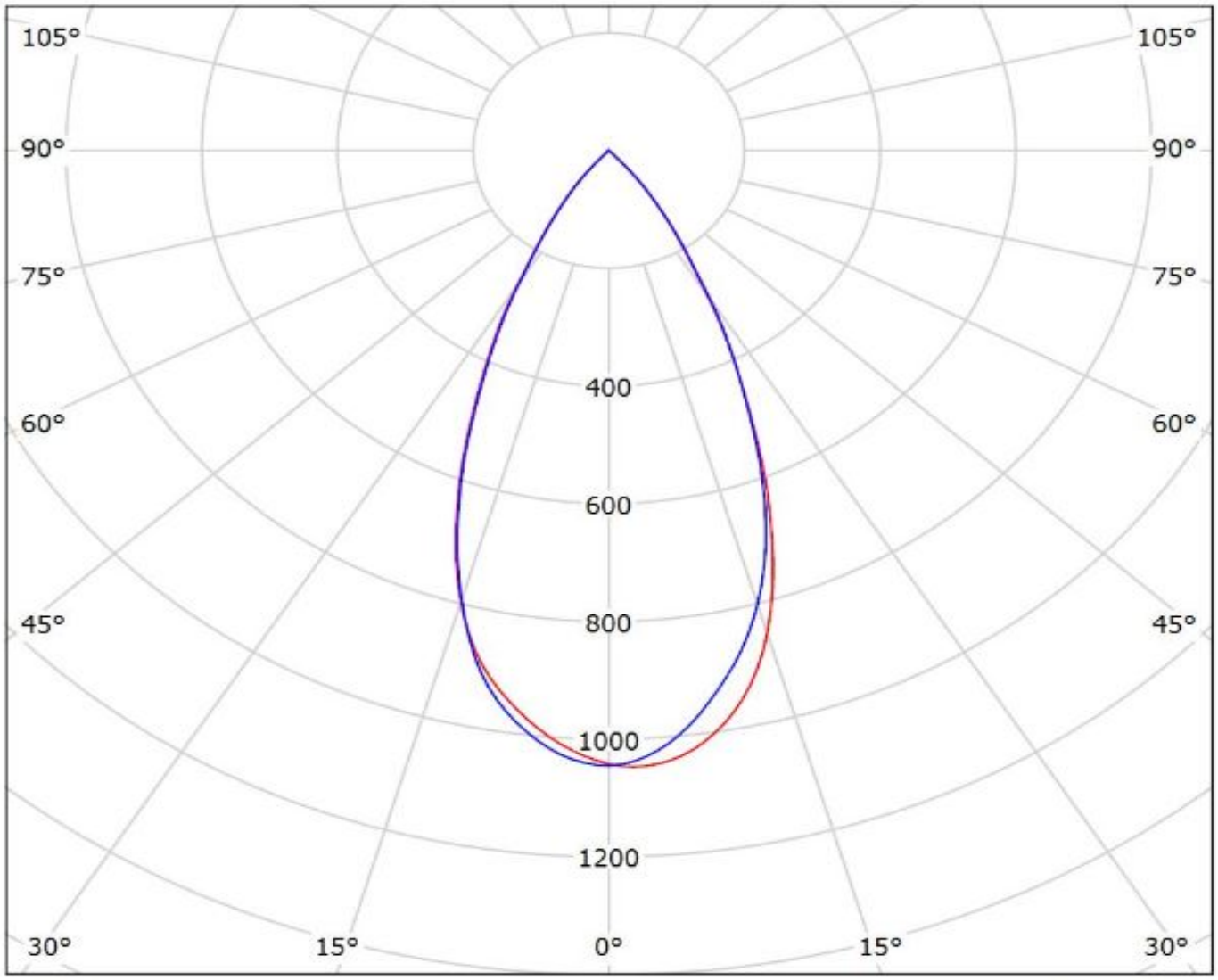


Luminaire: Ledil FC14975_FLORENTINA-2X2-W_(SQ_Gen3)(1)(1) FC14975_FLORENTINA-2X2-W_(SQ_Gen3)(1)(1)
Lamps: 4 x Oslon_square_GEN3_(GW_CSSRM2.PM-MUNQ-A737-1)_453.421lm@250mA_P=2.7755W_I=0.25A



Ledil FC14975_FLORENTINA-2X2-W_(XP-L) / LDC (Polar)

Luminaire: Ledil FC14975_FLORENTINA-2X2-W_(XP-L)
Lamps: 1 x CREE_XP-L_2x2MX_(XPLAWT-0-1B0-V40-00-0001)_515.493lm@250mA_P=2.8W_I=0.25A

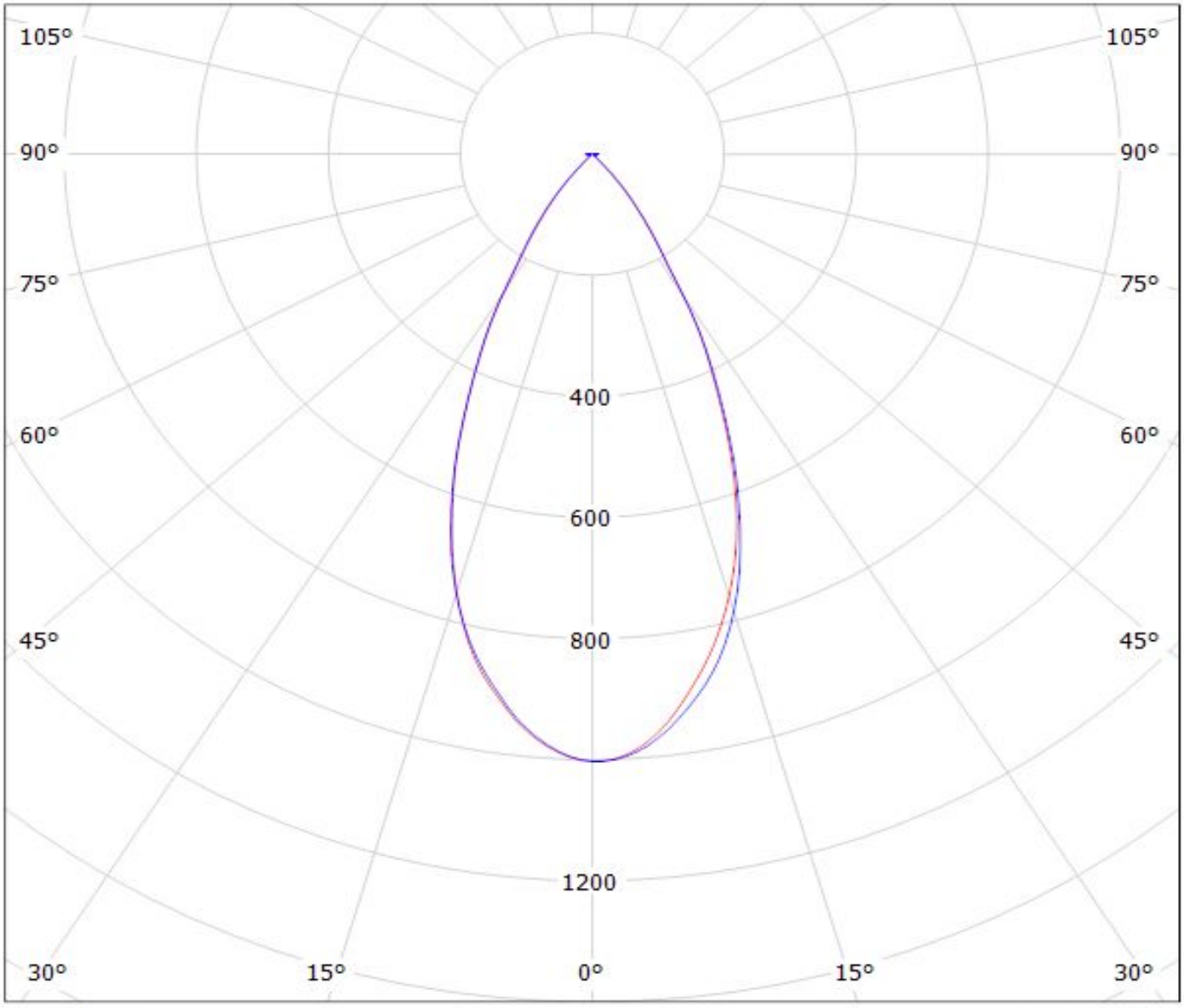


cd/klm

η = 70%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FC14975_FLORENTINA-2X2-W_(XHP35-HD)
Lamps: 1 x XHP35-HD_(XHP35A-0-2D0-D40-D0-B-01)_1705.7lm@250mA_P=11.219W_I=0.250A

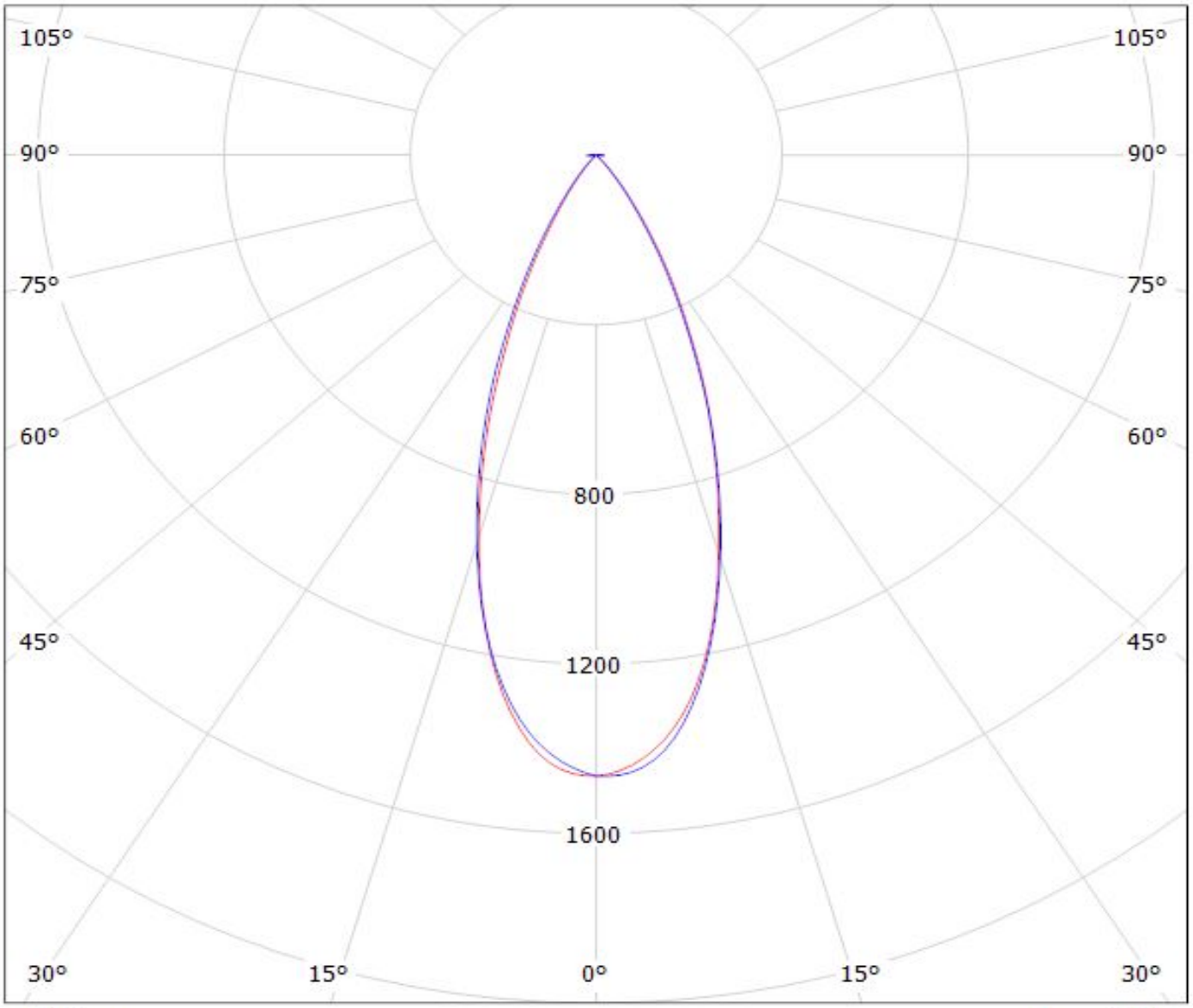


cd/klm

η = 70%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FC14975_FLORENTINA-2X2-W_(Luxeon_TX)
Lamps: 1 x Luxeon_TX_(L1T2-3080000000000)_344.318lm@250mA_P=2.85411W_I=0.250A

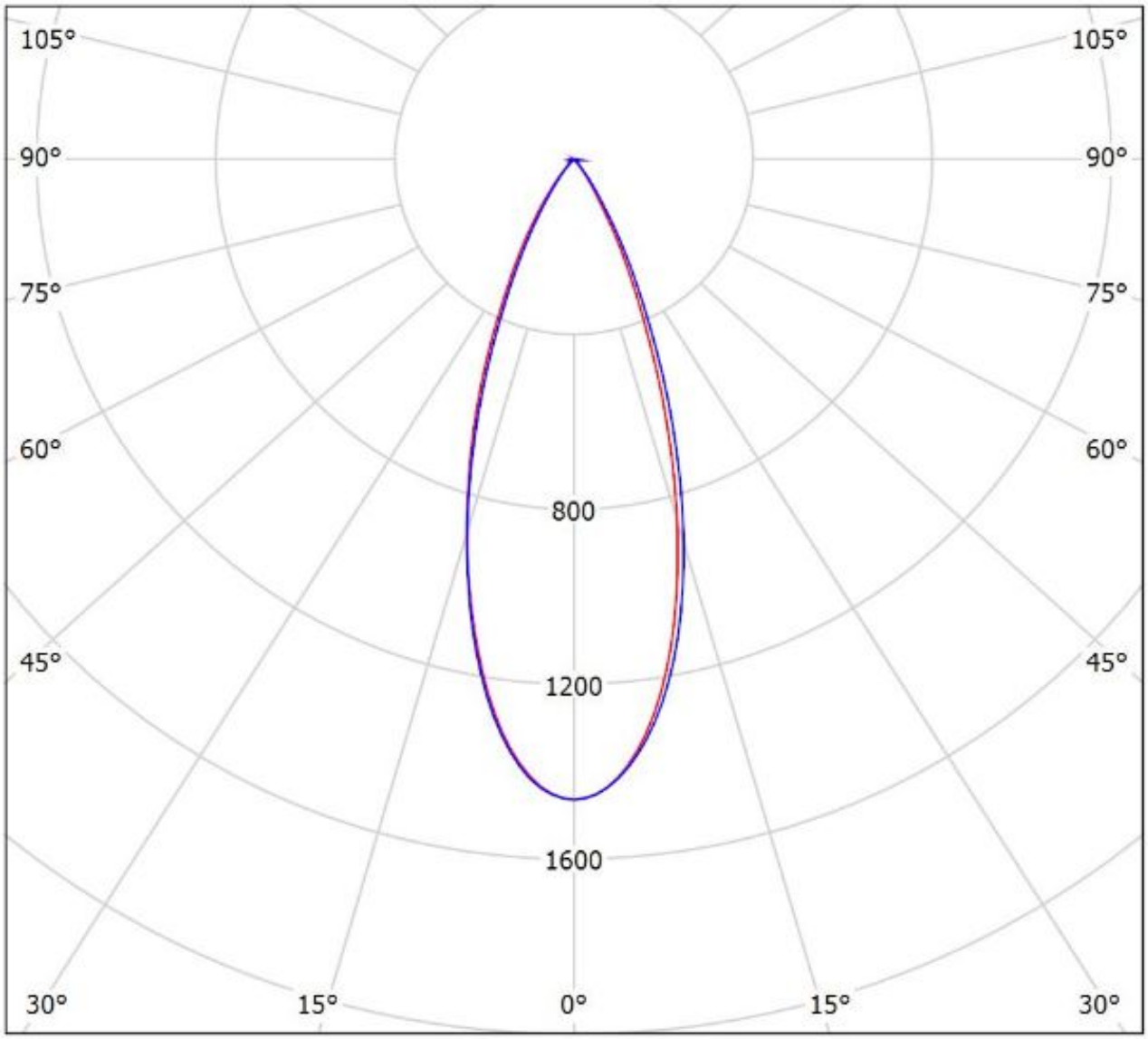


cd/klm

η = 76%

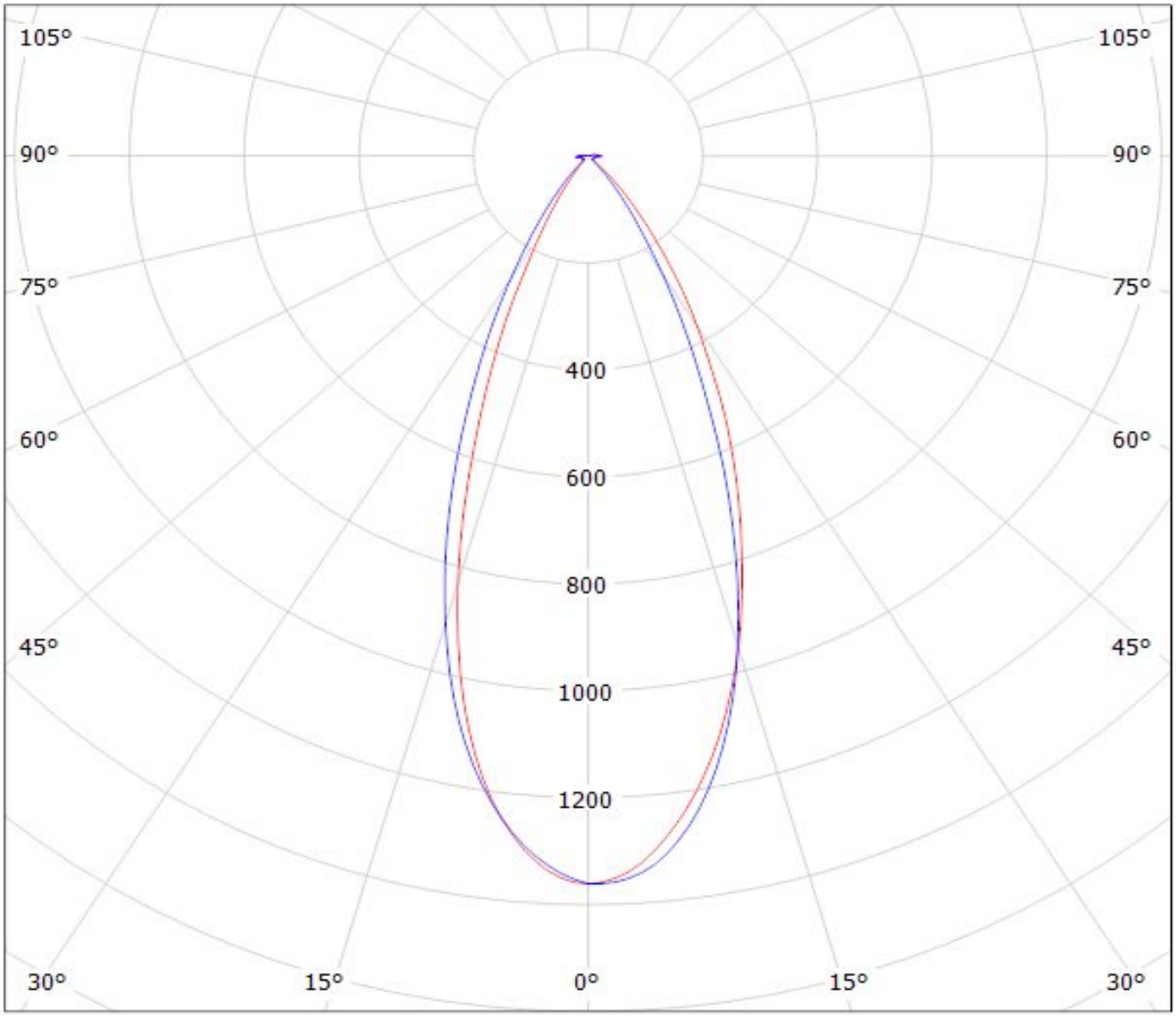
C0 - C180 C90 - C270

Luminaire: Ledil FC14975_FLORENTINA-2X2-W_(Luxeon_MZ)
Lamps: 1 x Luxeon_MZ_2x2_(LM29-SW30)_1110.46lm@250mA_P=11.0448W_I=0.25A



cd/klm
η = 66%
C0 - C180
C90 - C270

Luminaire: LEDiL Oy FC14975_FLORENTINA-2X2-W_(NVSxx19c)
Lamps: 1 x NVSxx19c_412.136lm@250mA_P=2.81612W_I=0.250A

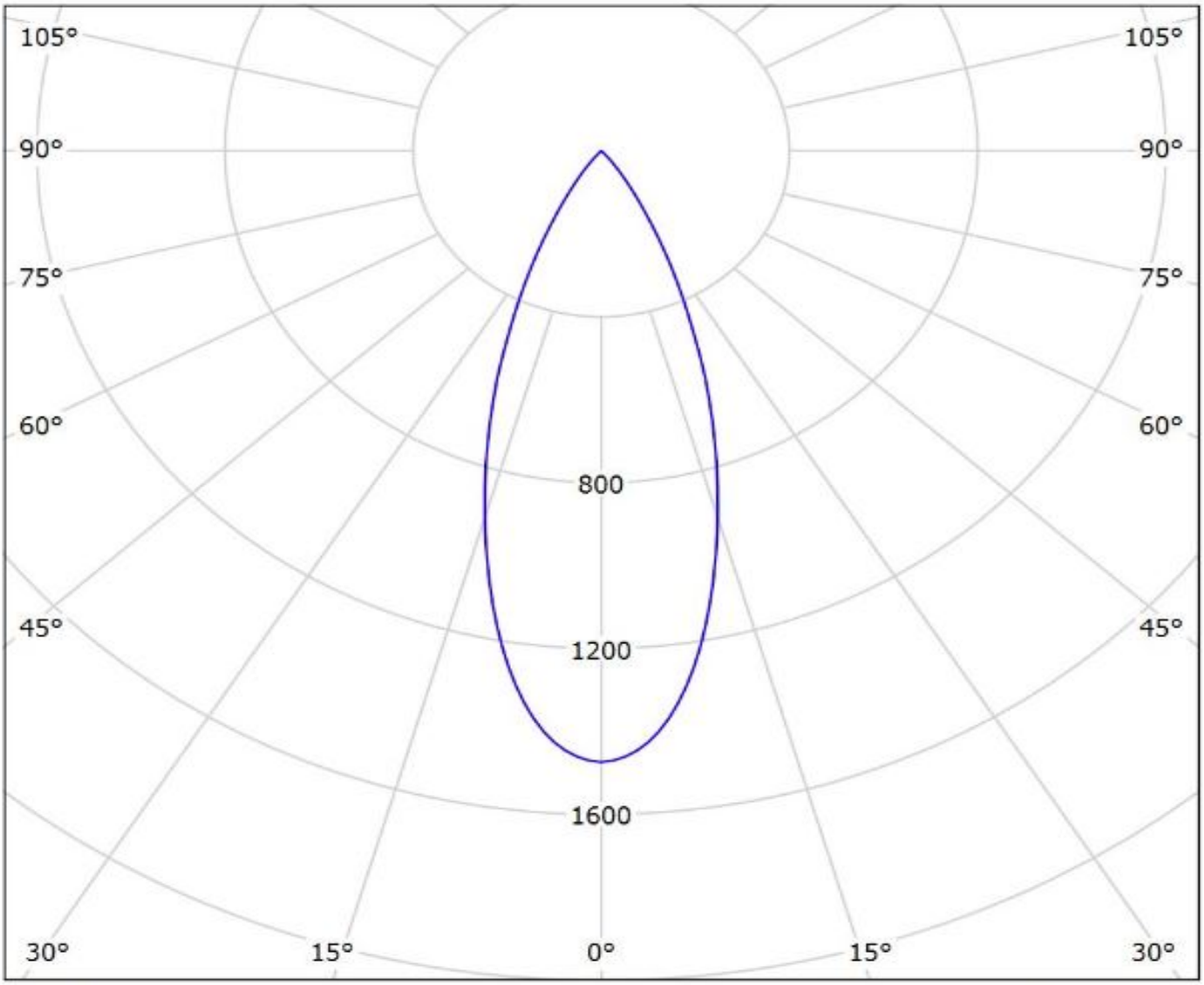


cd/klm

η = 80%

C0 - C180 C90 - C270

Luminaire: Ledil FC14975_FLORENTINA-2X2-W_(SQ_Gen3)(1)(1) FC14975_FLORENTINA-2X2-W_(SQ_Gen3)(1)(1)
Lamps: 4 x Oslon_square_GEN3_(GW_CSSRM2.PM-MUNQ-A737-1)_453.421lm@250mA_P=2.7755W_I=0.25A



cd/klm

η = 69%

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.