Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

DETAILS

Product Number	FC14973_FLORENTINA-2X2-M
Family	Florentina
Type	Pack
Color	black
Diameter	95,57x95,57 mm
Height	17,72 mm
Style	square
Optic Material	
Holder Material	
Fastening	screw, pin
Status	production ready
ROHS Comliant	Yes
Date Updated	24/08/2016

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
XP-L	30 deg		75 %	2.400	-
XHP35 HD	31 deg		77 %	2.300	-
LUXEON TX	30 deg		80 %	2.700	-
LUXEON MZ	30 deg		75 %	2.500	-
NVSxx19B/NVSxx19C	30 deg		79 %	2.600	-
Oslon Square EC	30 deg		80 %	2.700	-
Oslon Square Gen3	30 deg		75 %	2.600	-

Top view dimensions:
- 95.57
- 40
- 20
- 95.57
- 83.52
- 40
- 67
- 83.59
- ⌀3.2
- ⌀2

LED middle position

Side view
- 31.17
- ⌀3.3
- 20
- 40
- 9.9
- 16.88
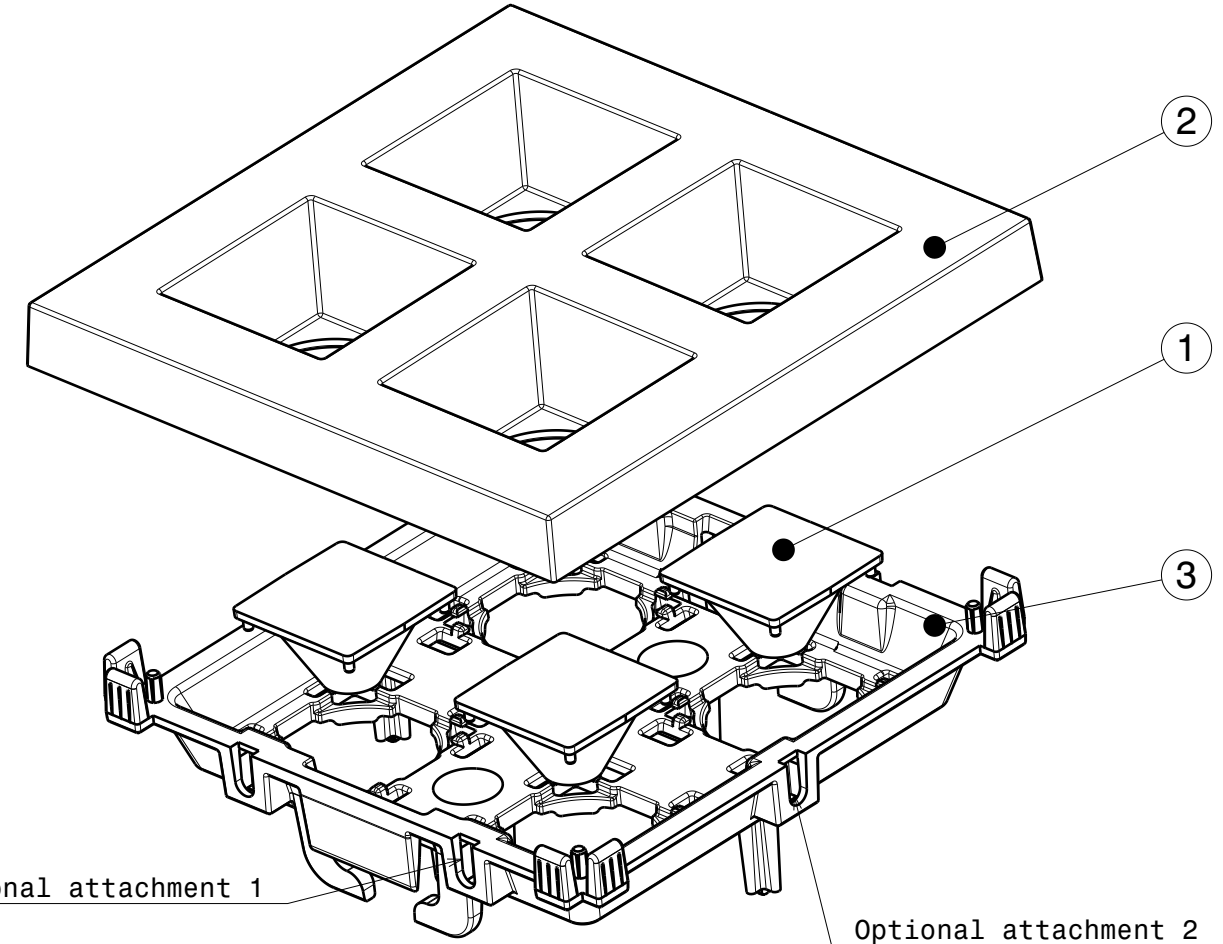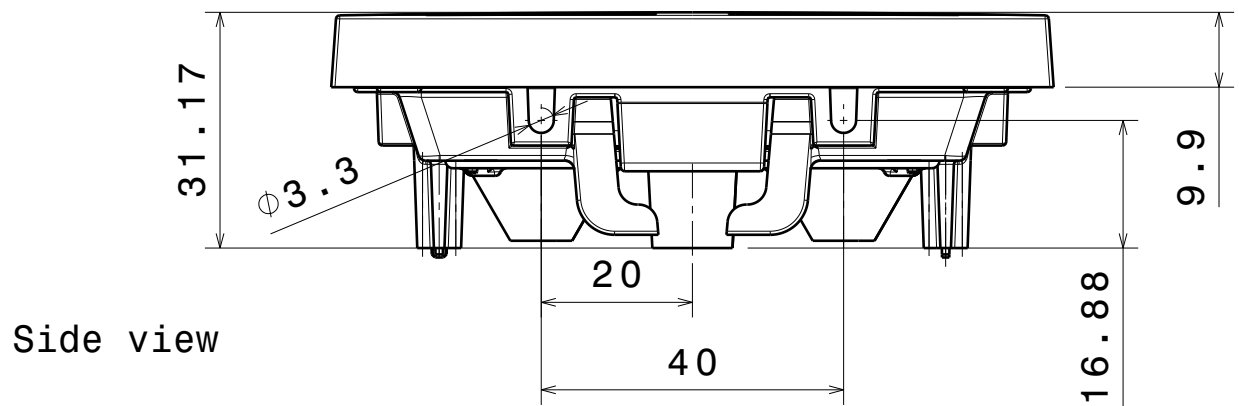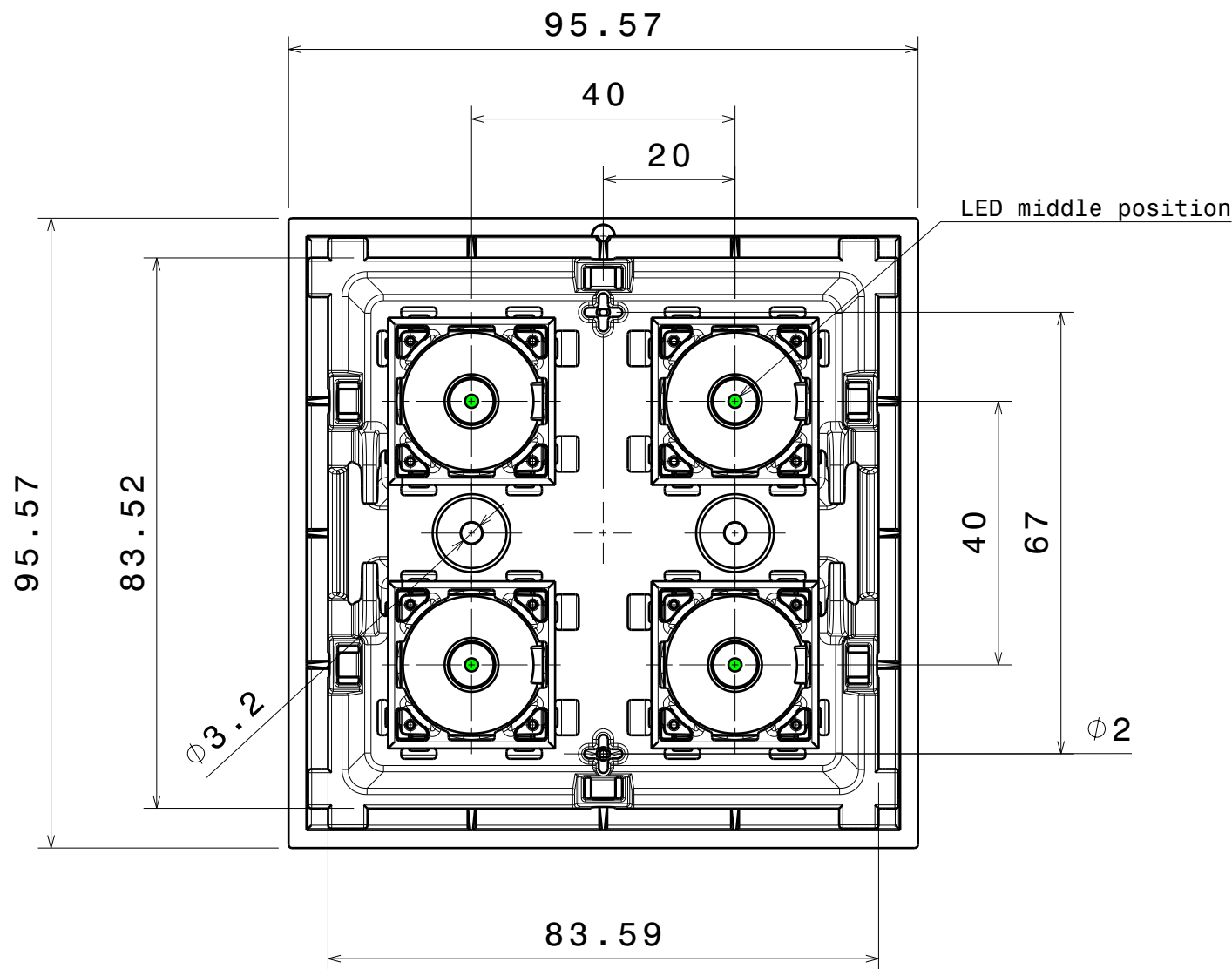
Isometric view
Scale: 1:1

Isometric view
Scale: 1:1

Optional attachment 1

Optional attachment 2

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

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:

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

DRAWING TITLE
FLORENTINA-2x2 assembly

SIZE	PART NUMBER		
A3	-		
SCALE 1:1	WEIGHT -		SHEET 1/1

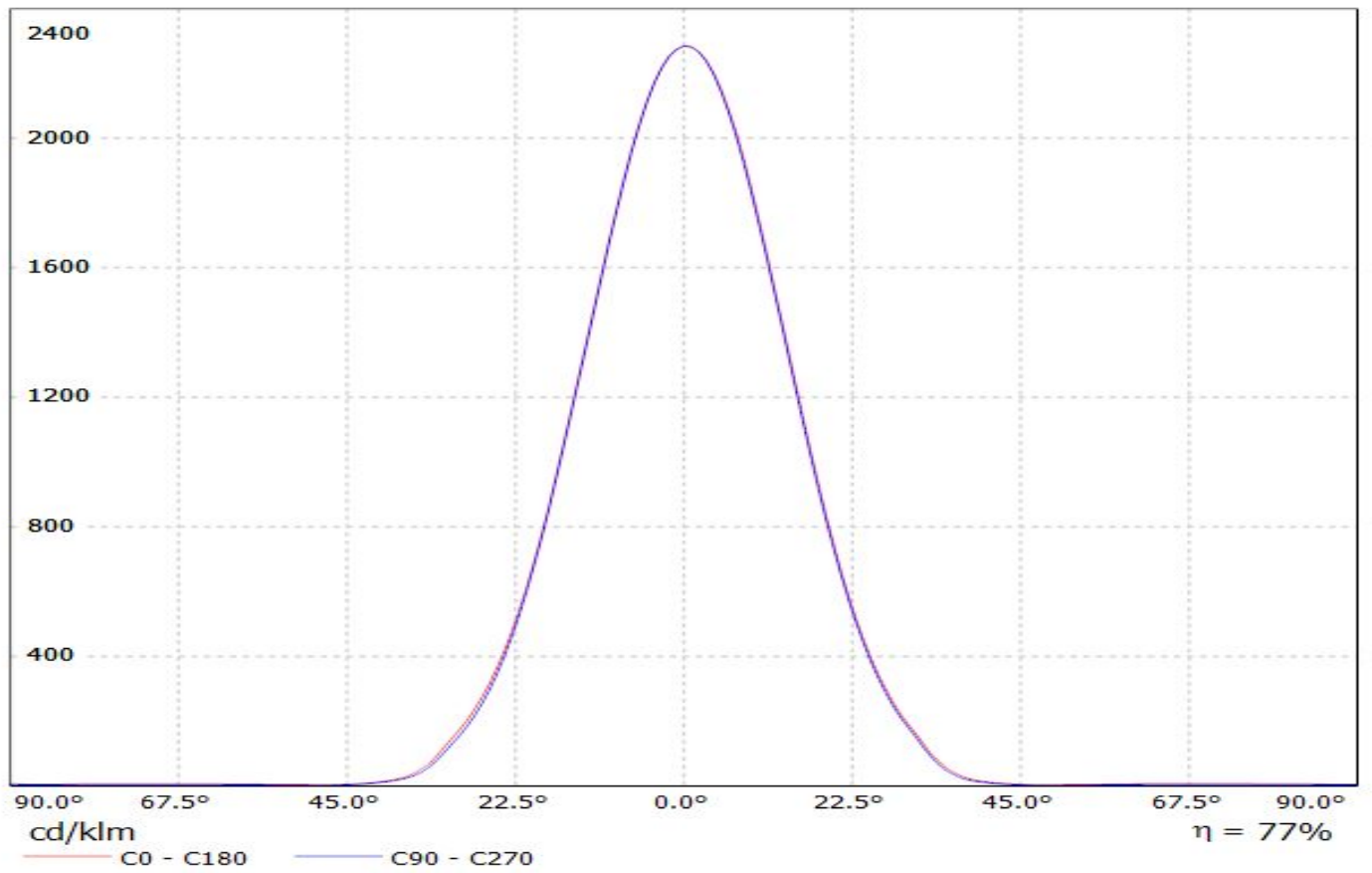| INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	CMC / MRK lenses	-	
2	C14734	FLORENTINA-2X2-SHD	PC	black
3	C14735	FLORENTINA-2X2-HLD	PC	black

Ledil FC14973_FLORENTINA-2X2-M_(XP-L) / LDC (Linear)

Luminaire: Ledil FC14973_FLORENTINA-2X2-M_(XP-L)
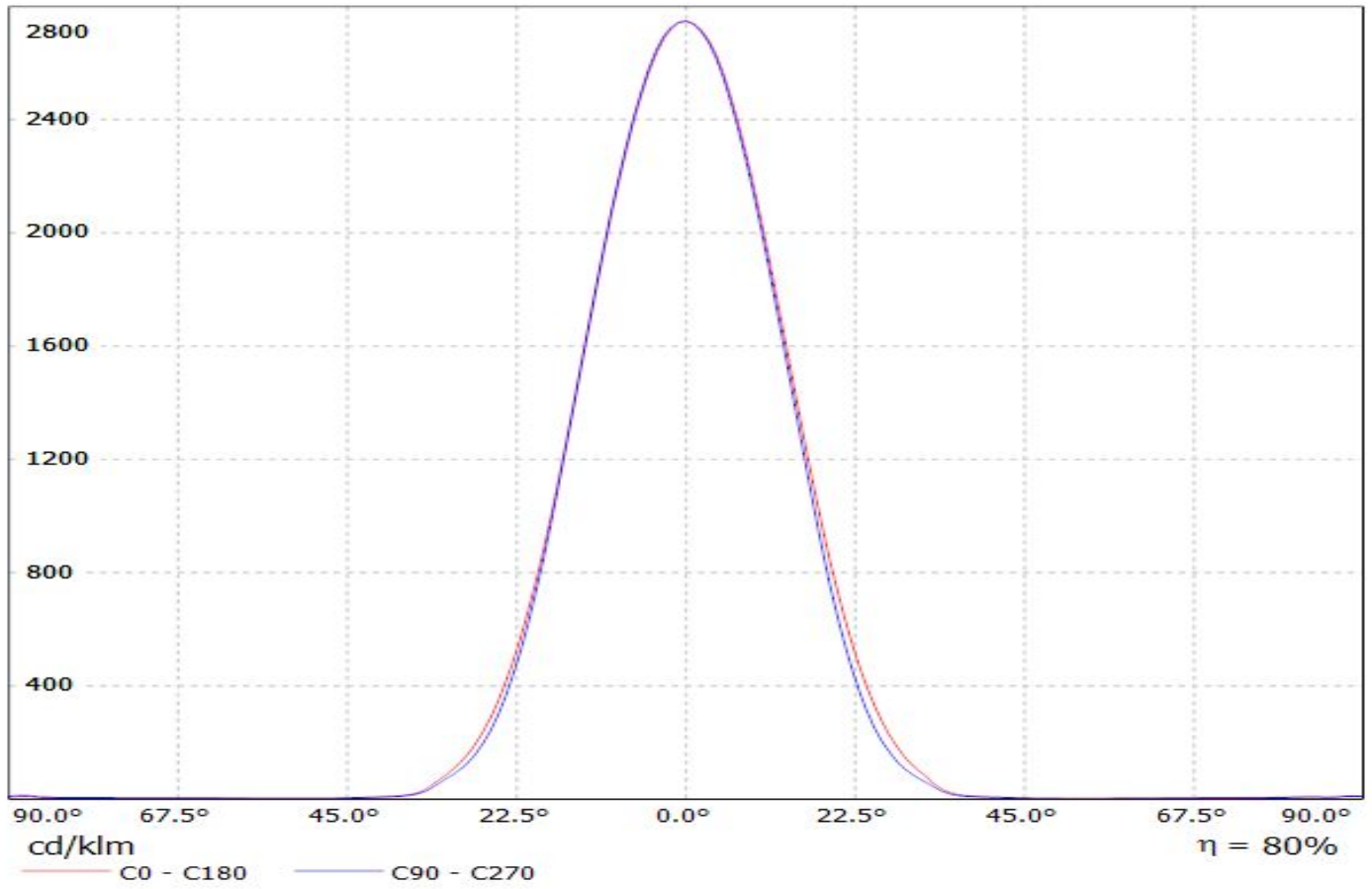Lamps: 1 x CREE_XP-L_2x2MX_(XPLAWT-0-1B0-V40-00-0001)_515.493lm@250mA_P=2.8W_I=0.25A

cd/klm
η = 75%

C0 - C180   C90 - C270

Luminaire: LEDiL Oy FC14973_FLORENTINA-2X2-M_(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

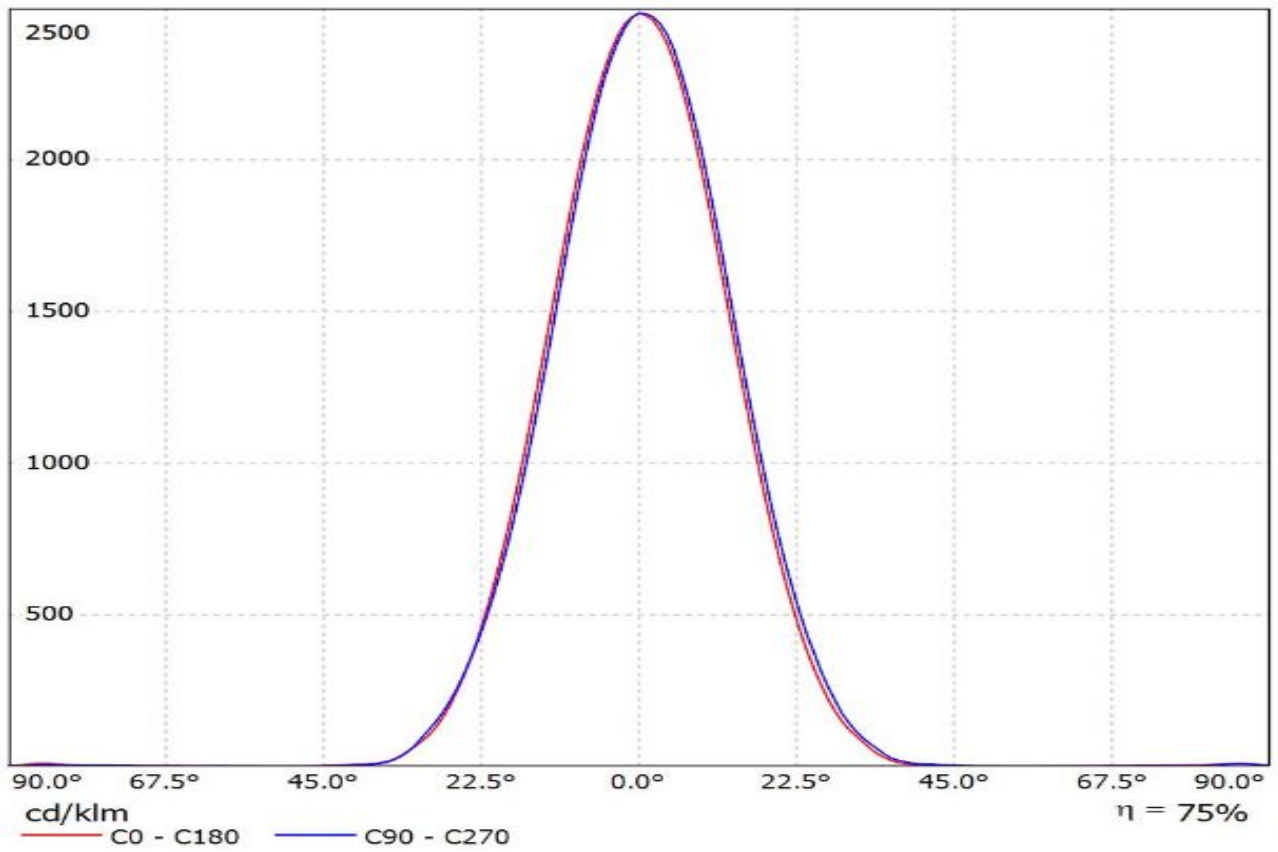η = 77%

C0 - C180   C90 - C270

Luminaire: LEDiL Oy FC14973_FLORENTINA-2X2-M_(Luxeon_TX)
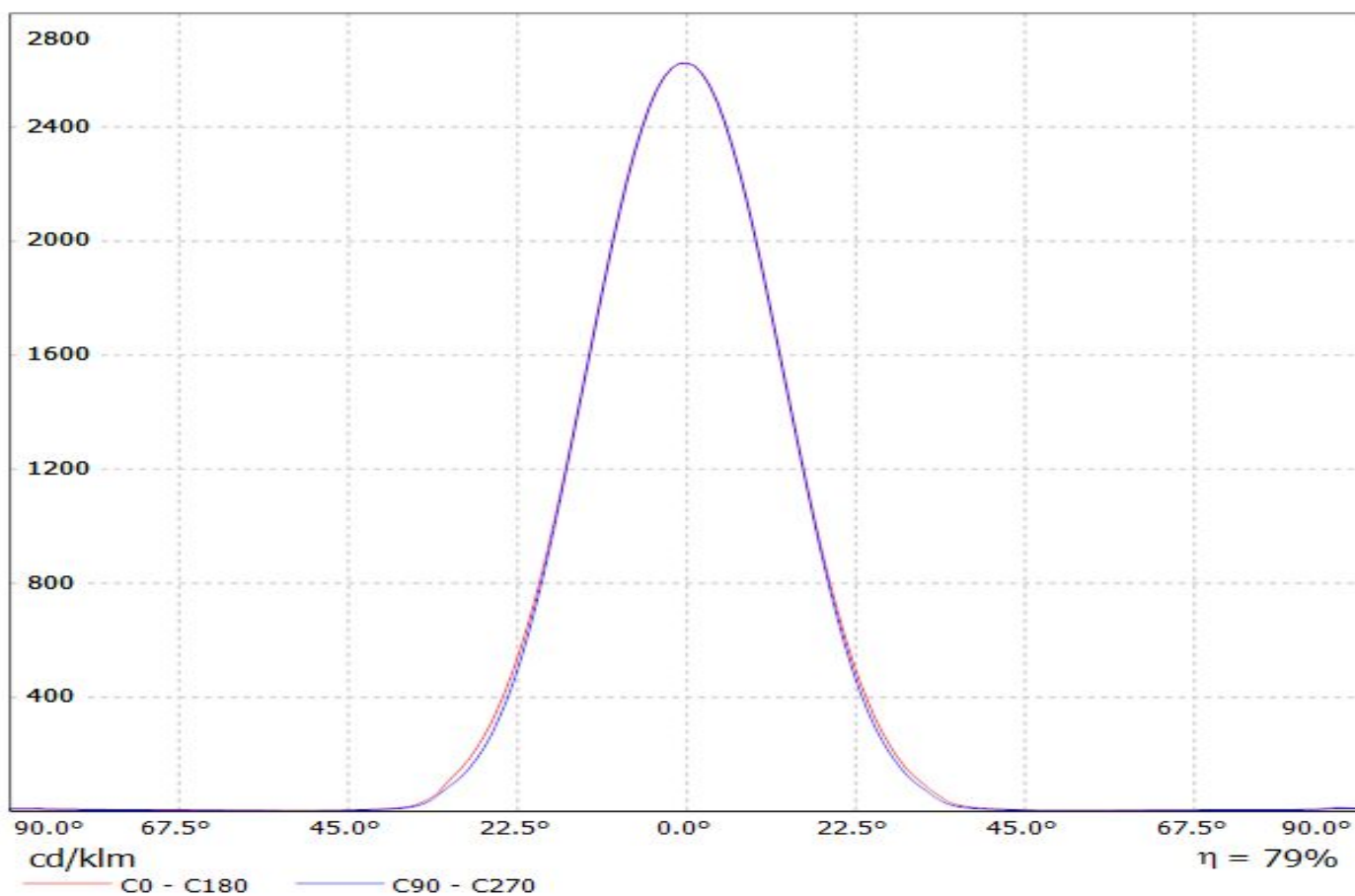Lamps: 1 x Luxeon_TX_(L1T2-3080000000000)_344.318lm@250mA_P=2.85411W_I=0.250A

cd/klm   η = 80%

——— C0 - C180   ——— C90 - C270

Luminaire: Ledil FC14973_FLORENTINA-2X2-M_(Luxeon_MZ)
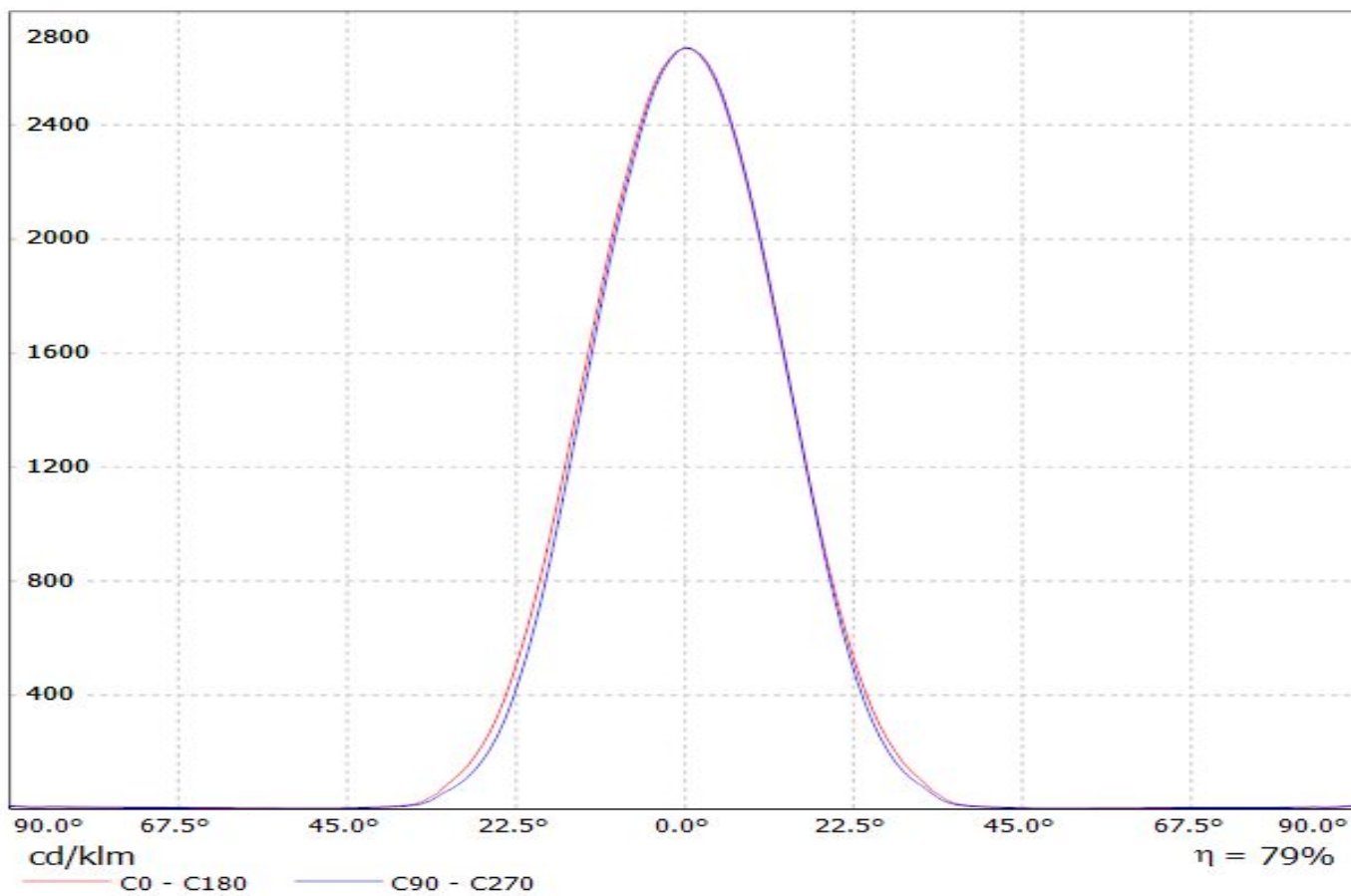Lamps: 1 x Luxeon_MZ_2x2_(LM29-SW30)_1110.46lm@250mA_P=11.0448W_I=0.25A

cd/klm

η = 75%

—— C0 - C180   —— C90 - C270

Luminaire: LEDiL Oy FC14973_FLORENTINA-2X2-M_(NVSxx19c)
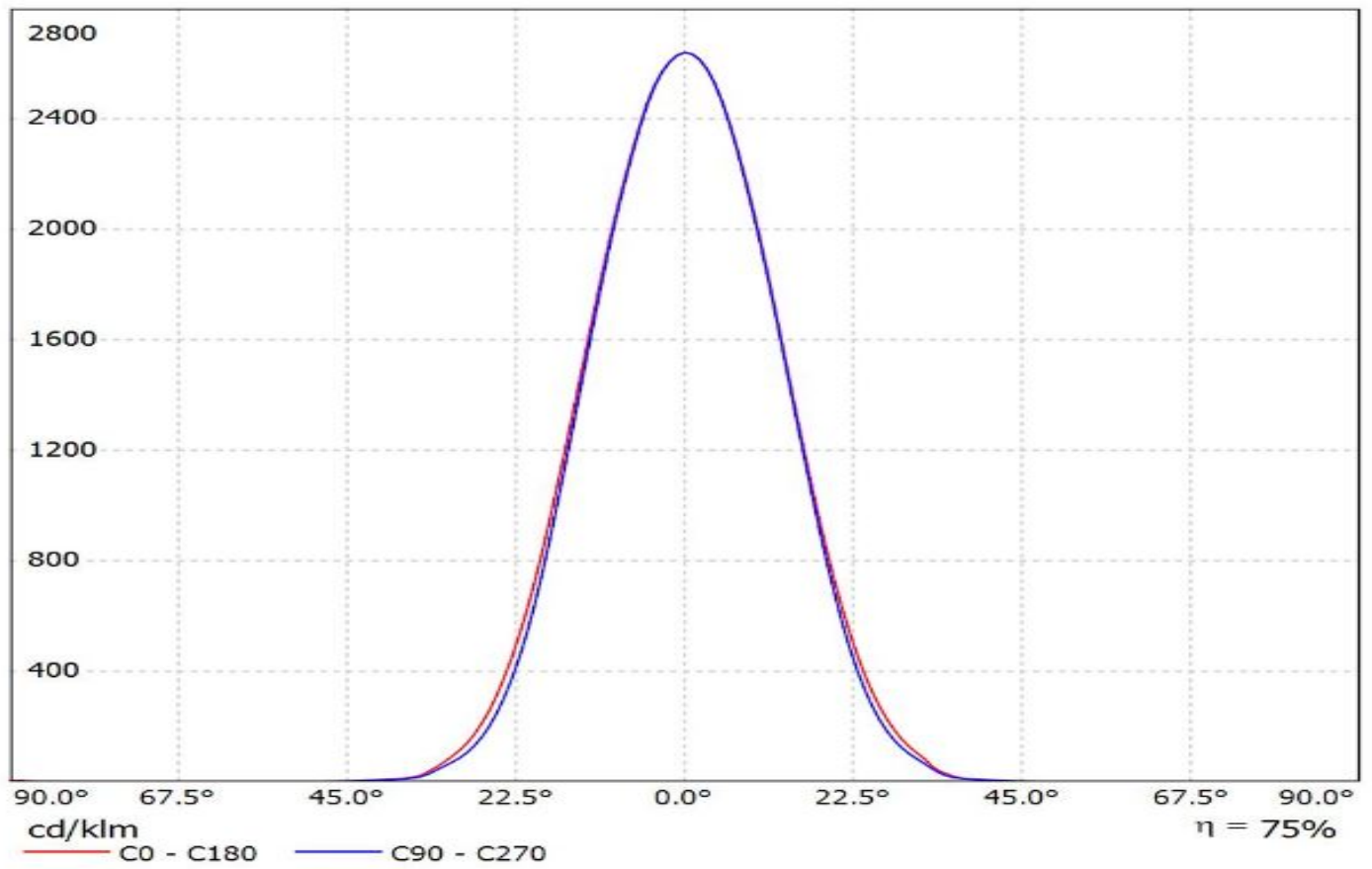Lamps: 1 x NVSxx19c_412.136lm@250mA_P=2.81612W_I=0.250A

cd/klm

η = 79%

C0 - C180   C90 - C270

Luminaire: LEDiL Oy FC14973_FLORENTINA-2X2-M_(Oslon_Square)
Lamps: 1 x Oslon_Square_328.682lm@250mA_P=2.79276W_I=0.250A
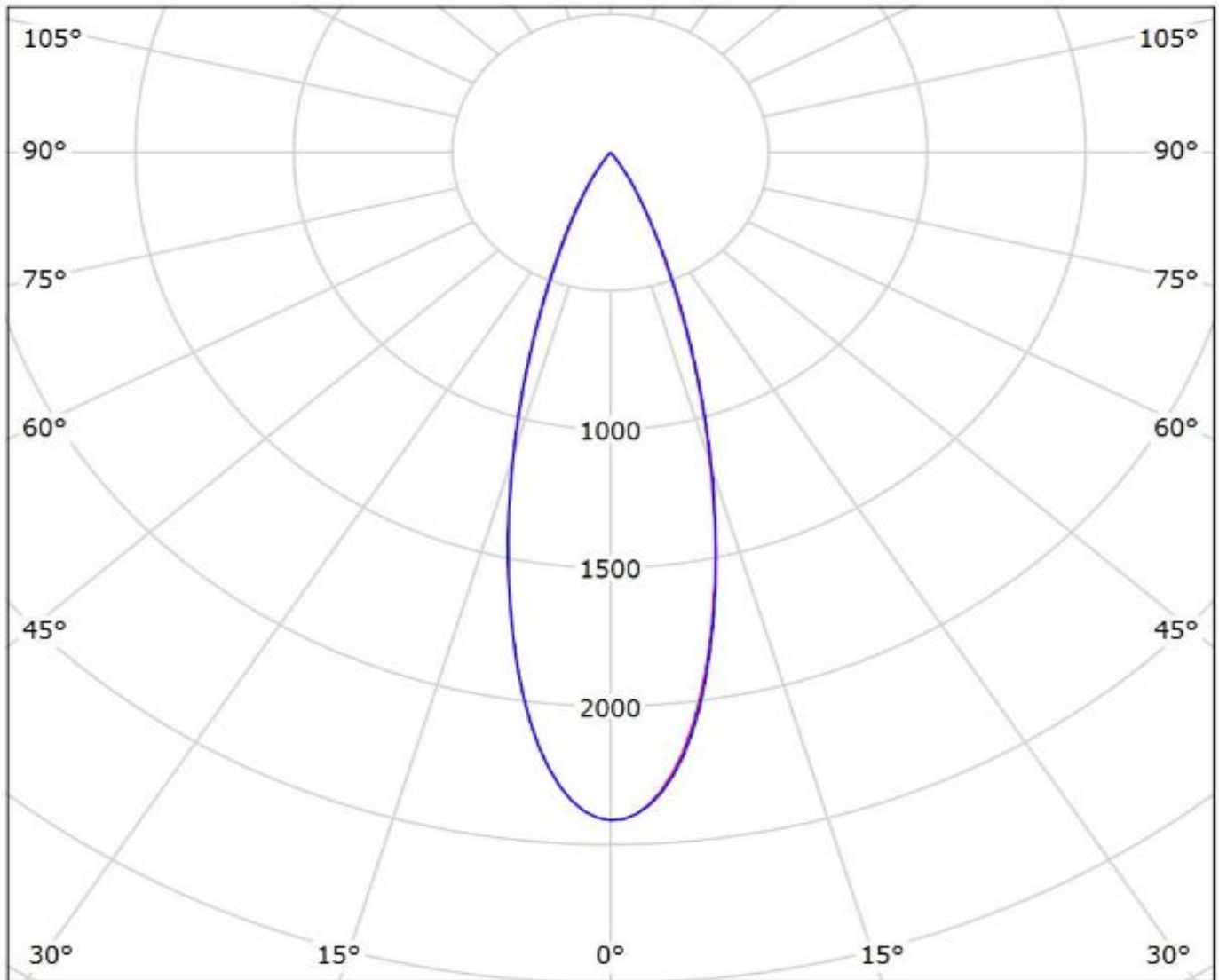

cd/klm

η = 79%

C0 - C180   C90 - C270

Luminaire: Ledil FC14973_FLORENTINA-2X2-M_(SQ_Gen3)
Lamps: 1 x Oslon_square_GEN3_(GW_CSSRM2.PM-MUNQ-A737-1)
_453.421lm@250mA_P=2.7755W_I=0.25A

cd/klm

η = 75%

C0 - C180   C90 - C270

Luminaire: Ledil FC14973_FLORENTINA-2X2-M_(XP-L)
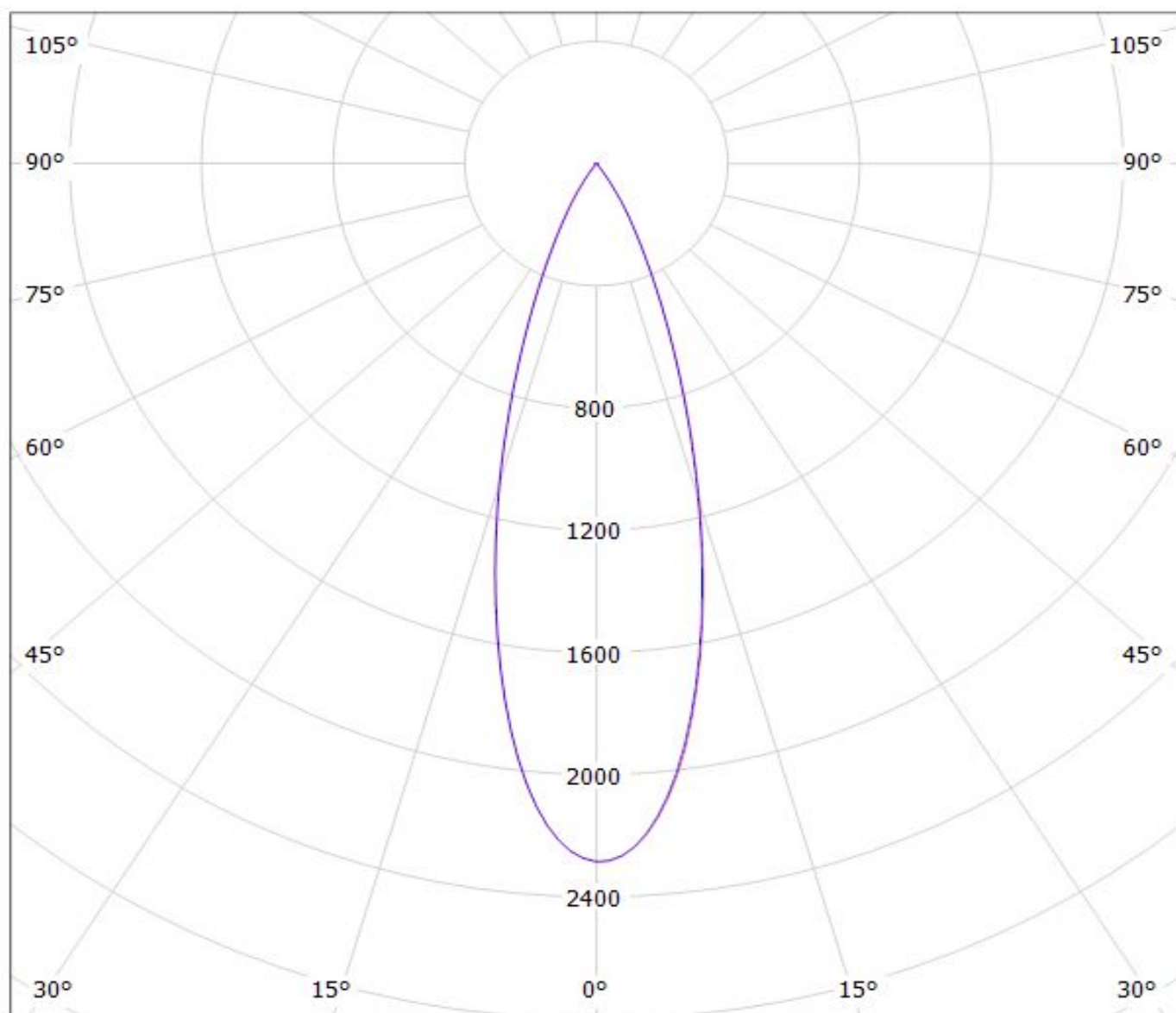Lamps: 1 x CREE_XP-L_2x2MX_(XPLAWT-0-1B0-V40-00-0001)_515.493lm@250mA_P=2.8W_I=0.25A

cd/klm

η = 75%

——— C0 - C180   ——— C90 - C270

Luminaire: LEDiL Oy FC14973_FLORENTINA-2X2-M_(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 = 77%

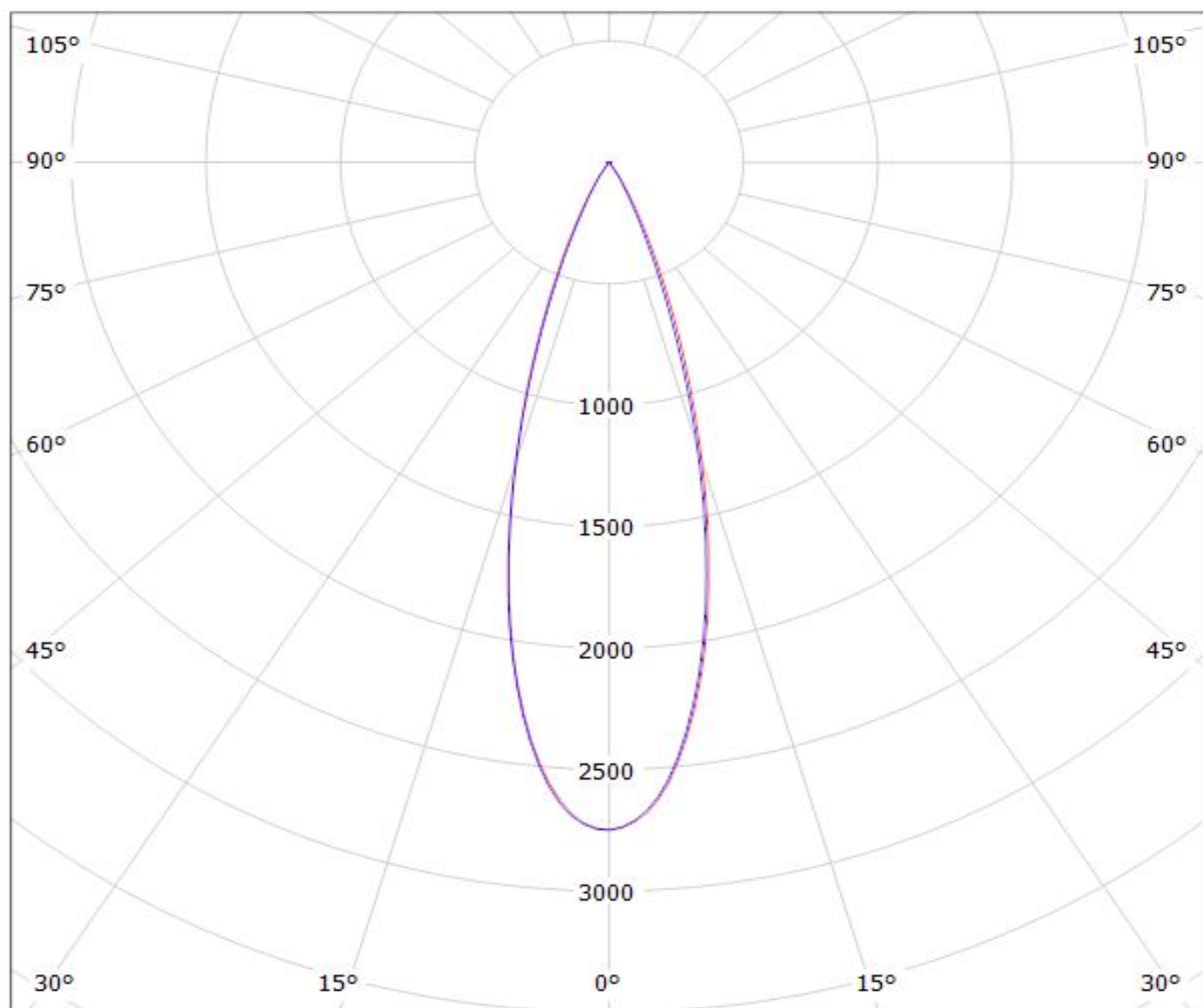——— C0 - C180   ——— C90 - C270

Luminaire: LEDiL Oy FC14973_FLORENTINA-2X2-M_(Luxeon_TX)
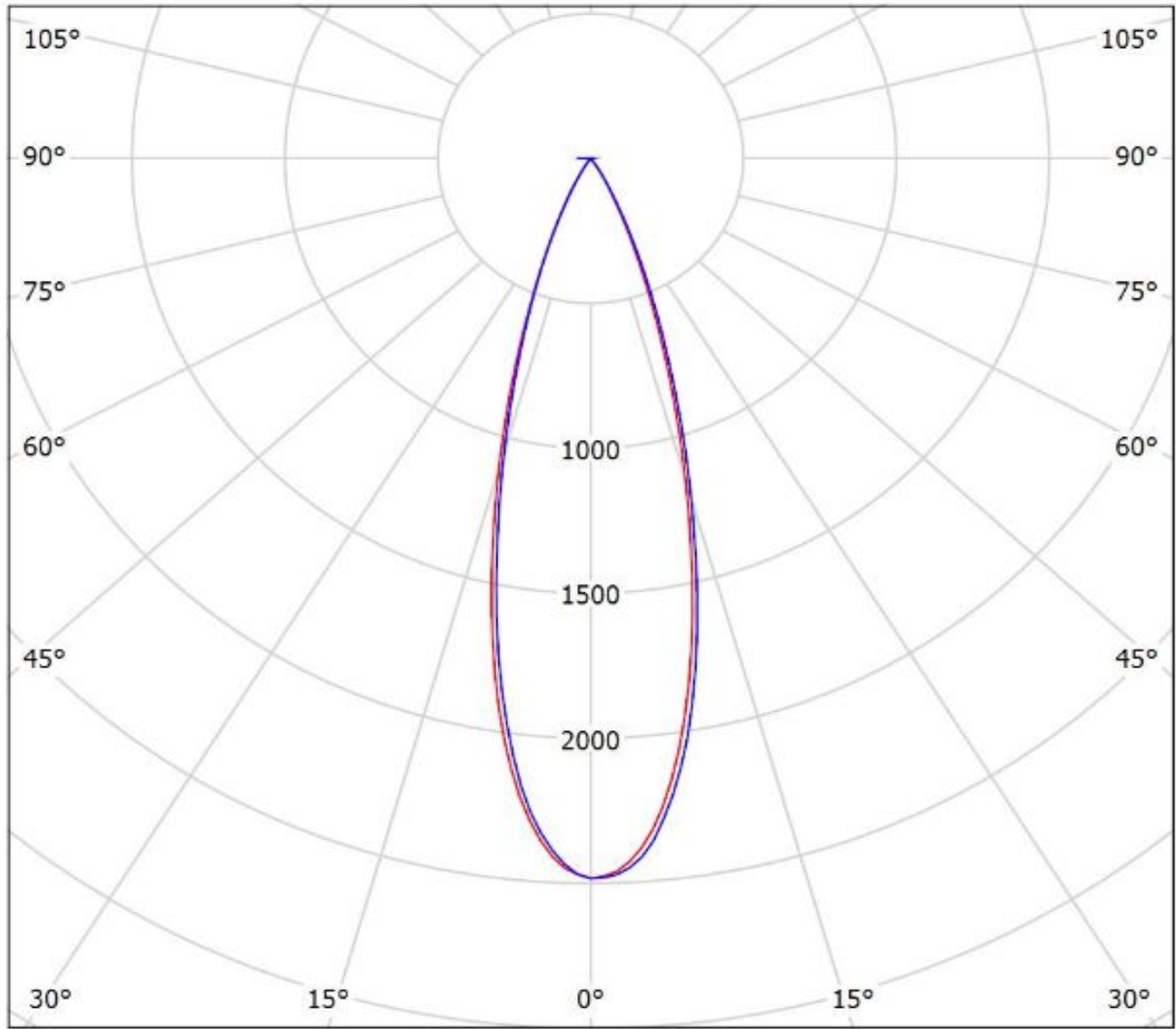Lamps: 1 x Luxeon_TX_(L1T2-3080000000000)_344.318lm@250mA_P=2.85411W_I=0.250A

cd/klm   η = 80%

___ C0 - C180   ___ C90 - C270

Luminaire: Ledil FC14973_FLORENTINA-2X2-M_(Luxeon_MZ)
Lamps: 1 x Luxeon_MZ_2x2_(LM29-SW30)_1110.46lm@250mA_P=11.0448W_I=0.25A

cd/klm

η = 75%
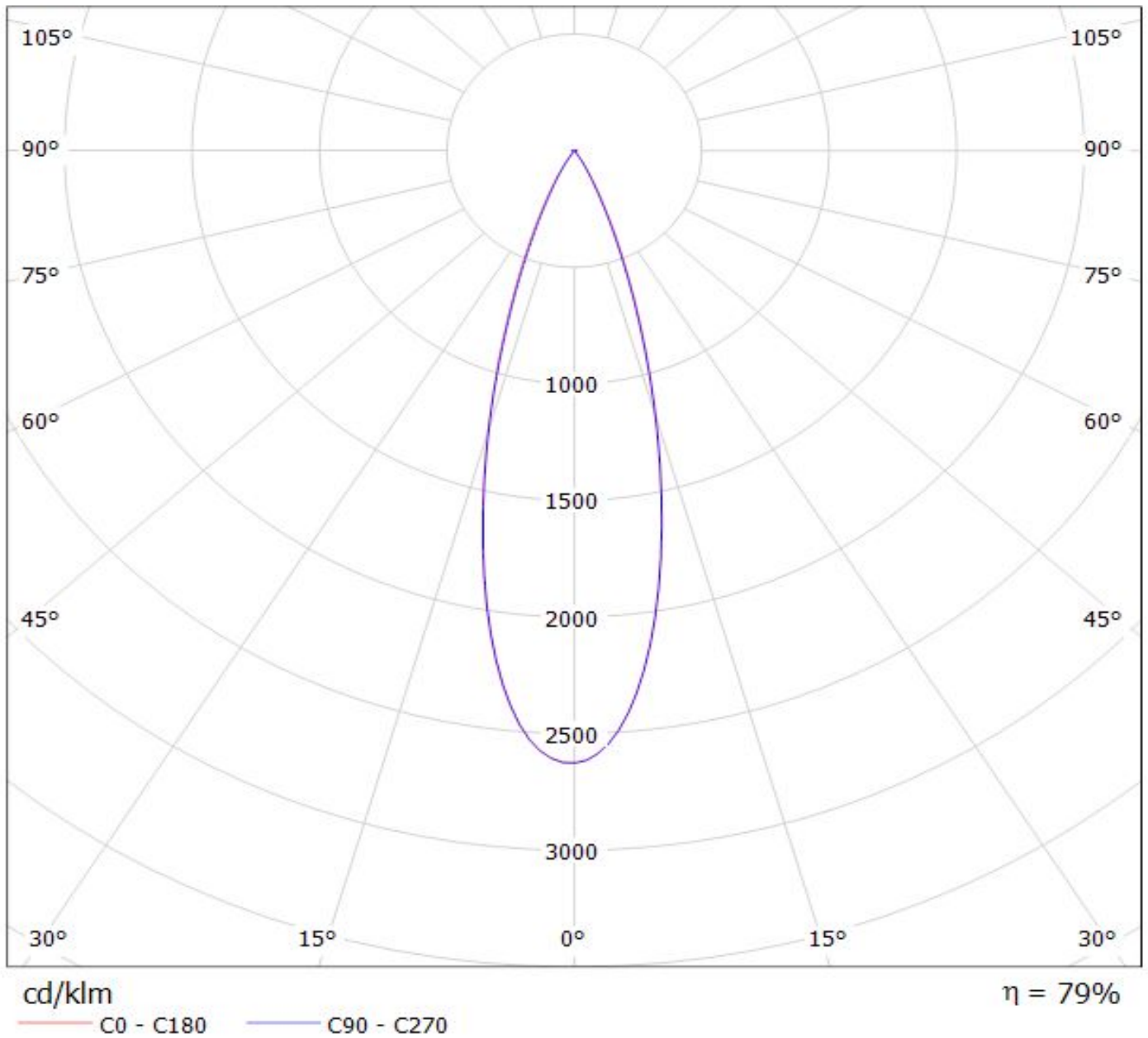
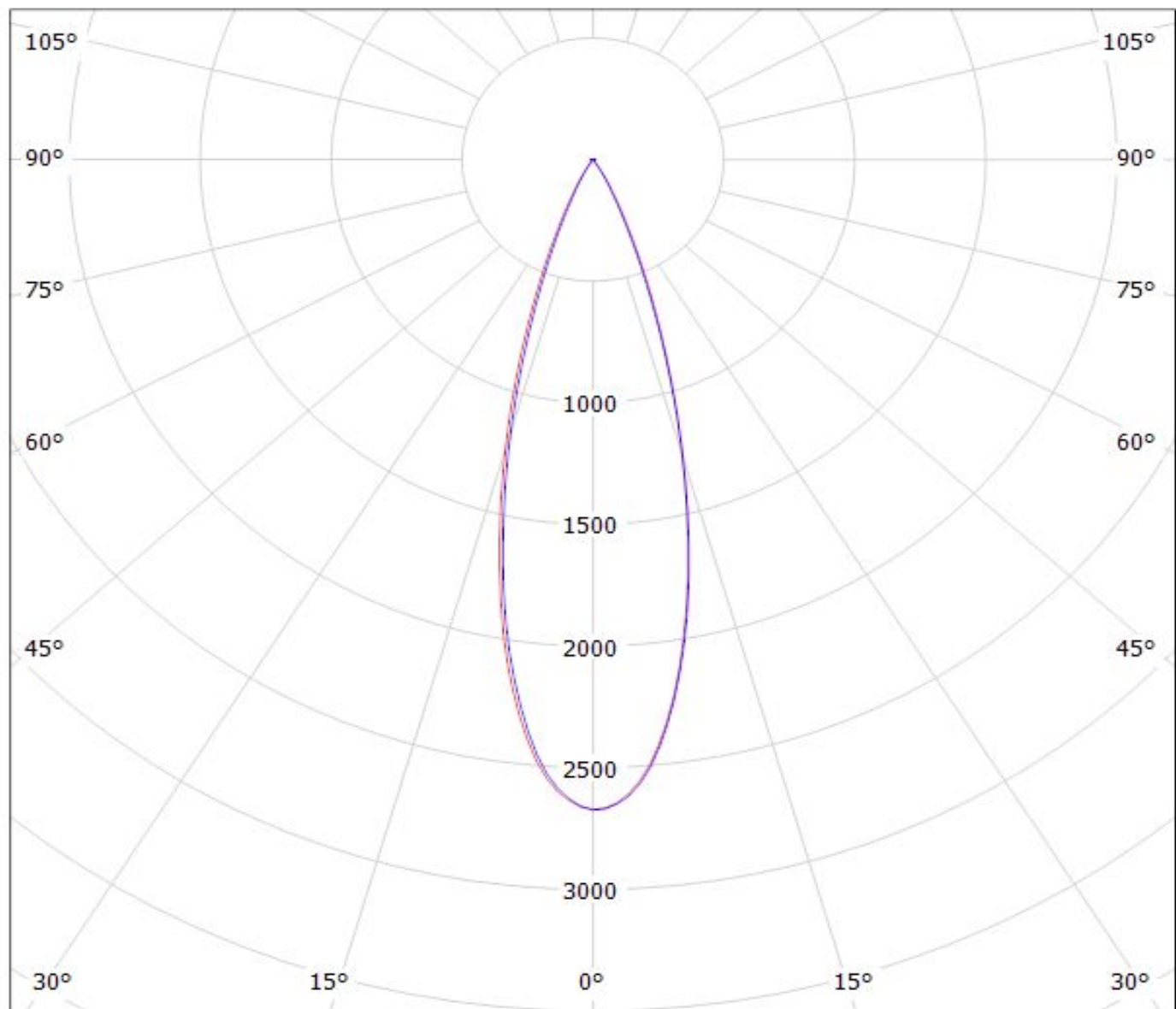— C0 - C180   — C90 - C270

Luminaire: LEDiL Oy FC14973_FLORENTINA-2X2-M_(NVSxx19c)
Lamps: 1 x NVSxx19c_412.136lm@250mA_P=2.81612W_I=0.250A

cd/klm

η = 79%

C0 - C180   C90 - C270

Luminaire: LEDiL Oy FC14973_FLORENTINA-2X2-M_(Oslon_Square)
Lamps: 1 x Oslon_Square_328.682lm@250mA_P=2.79276W_I=0.250A

cd/klm

η = 79%

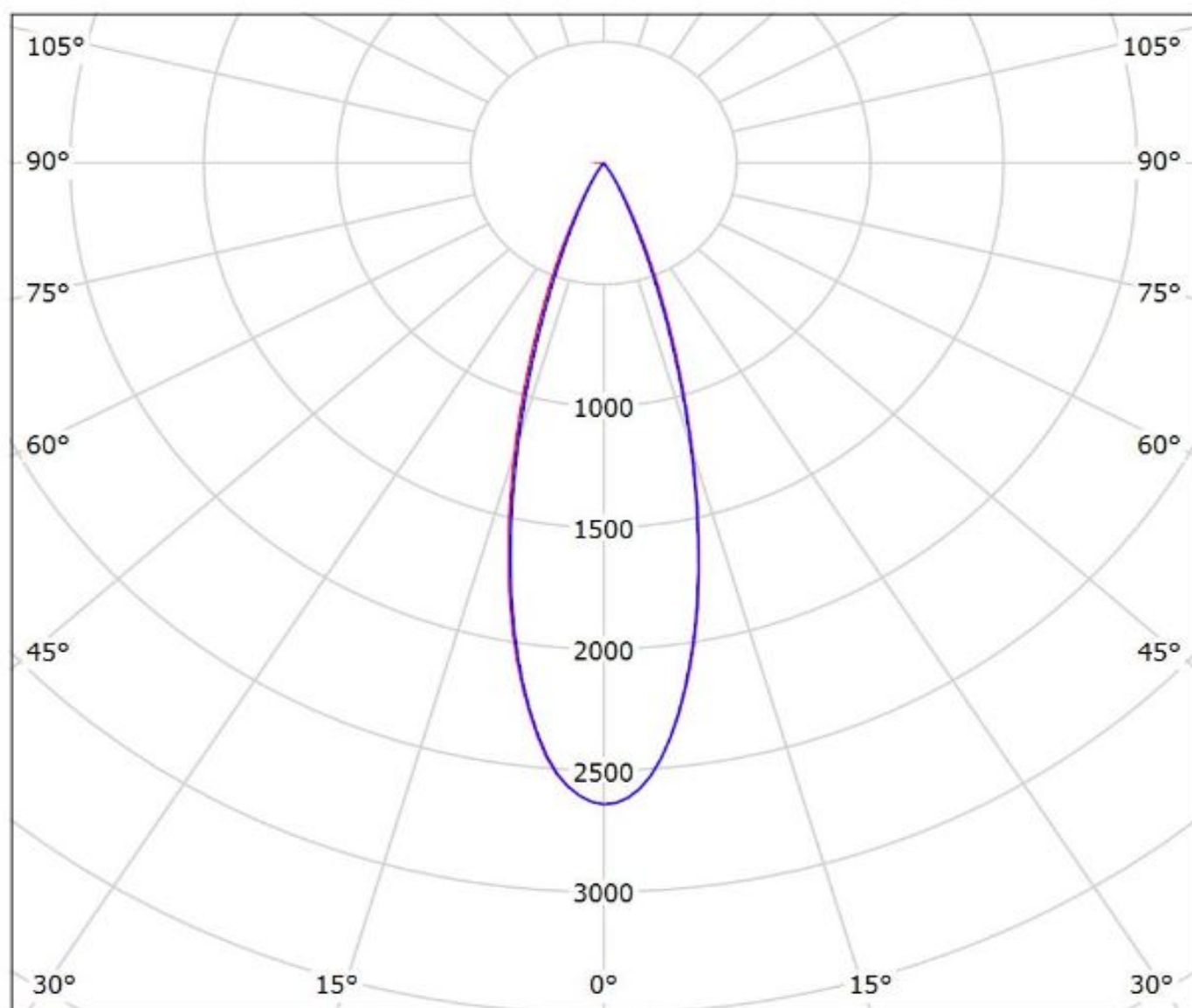C0 - C180   C90 - C270

Luminaire: Ledil FC14973_FLORENTINA-2X2-M_(SQ_Gen3)
Lamps: 1 x Oslon_square_GEN3_(GW_CSSRM2.PM-MUNQ-A737-1)
_453.421lm@250mA_P=2.7755W_I=0.25A

cd/klm

η = 75%

——— 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.