PRODUCT DATASHEET
Florentina series
last update 21/12/2016

DETAILS



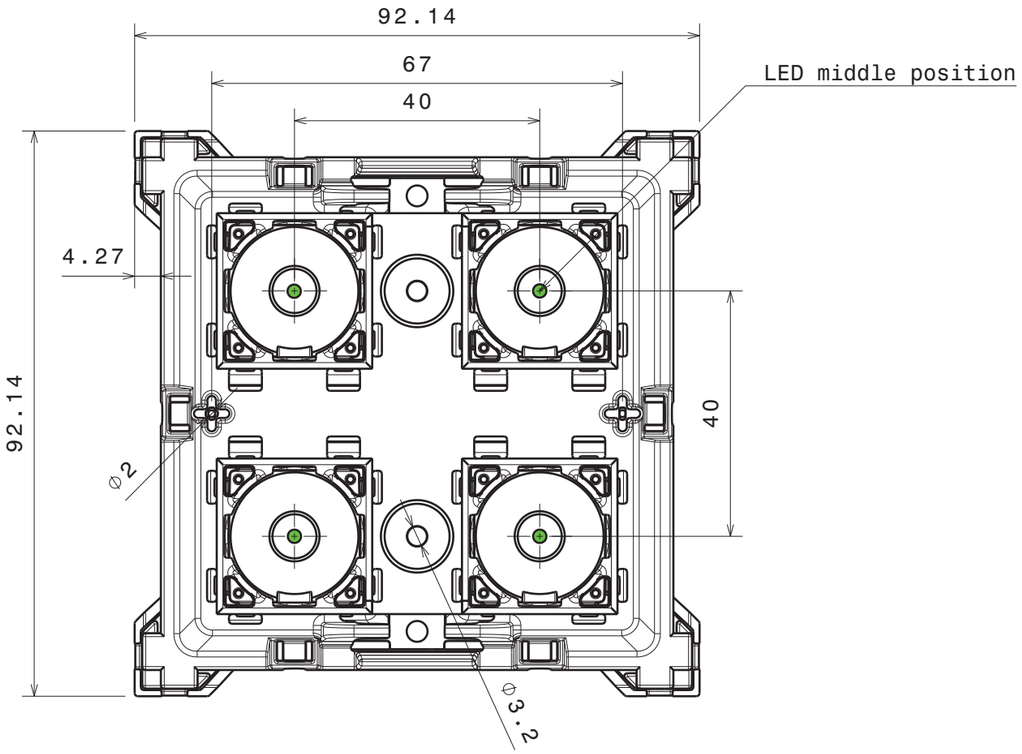
Product Number	FC15726_FLORENTINA-2X2-MRK-OPEN-W
Family	Florentina
Type	Pack
Color	black
Diameter	92,14x92,14 mm
Height	17,72 mm
Style	square
Optic Material	
Holder Material	
Fastening	pin, screw
Status	production ready
ROHS Comliant	Yes
Date Updated	21/12/2016

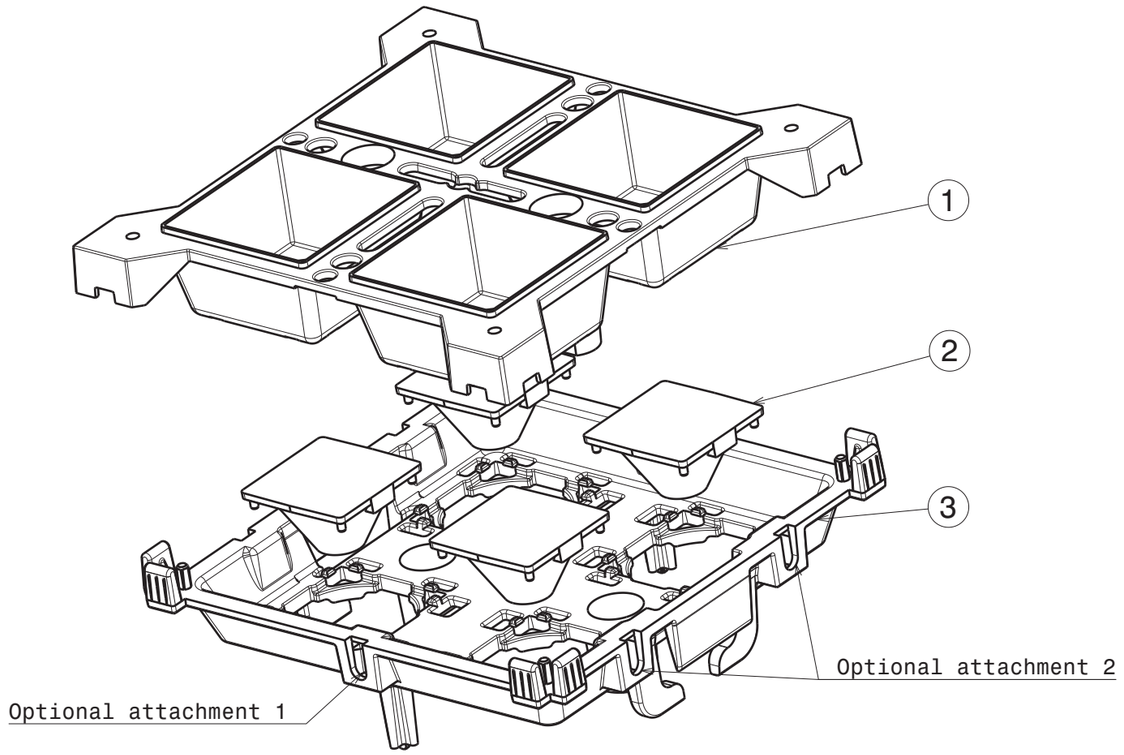
OPTICAL PROPERTIES

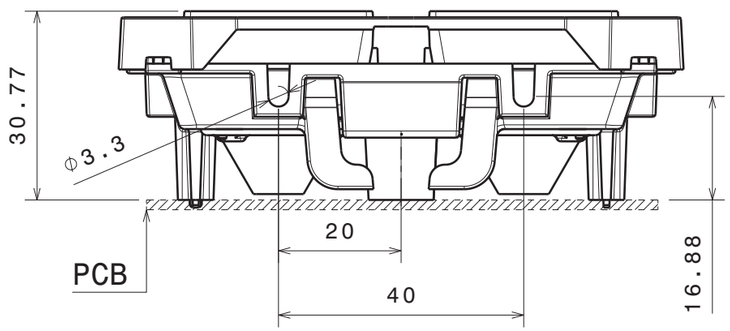
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XHP70	61 deg	Wide	66 %	0.820	-
XHP50	54 deg	Wide	71 %	0.730	-
XHP35 HD	57 deg	Wide	72 %	0.680	-
H70E0	61 deg	Wide	69 %	0.640	-
LUXEON M/MX	55 deg	Wide	71 %	0.760	-
LUXEON MZ	43 deg	Wide	75 %	1.000	-
Duris P10	49 deg	Wide	68 %	0.840	-

Ledil Oy
Salorankatu 10
24240 SALO, Finland

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







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

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C15196	FLORENTINA-2X2-SHD-OPEN	PC	black
2		ROSE-series lens	PC	clear
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:

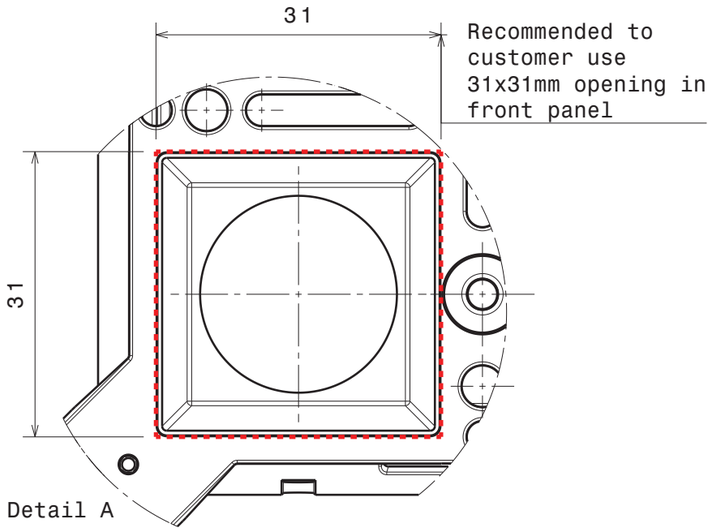
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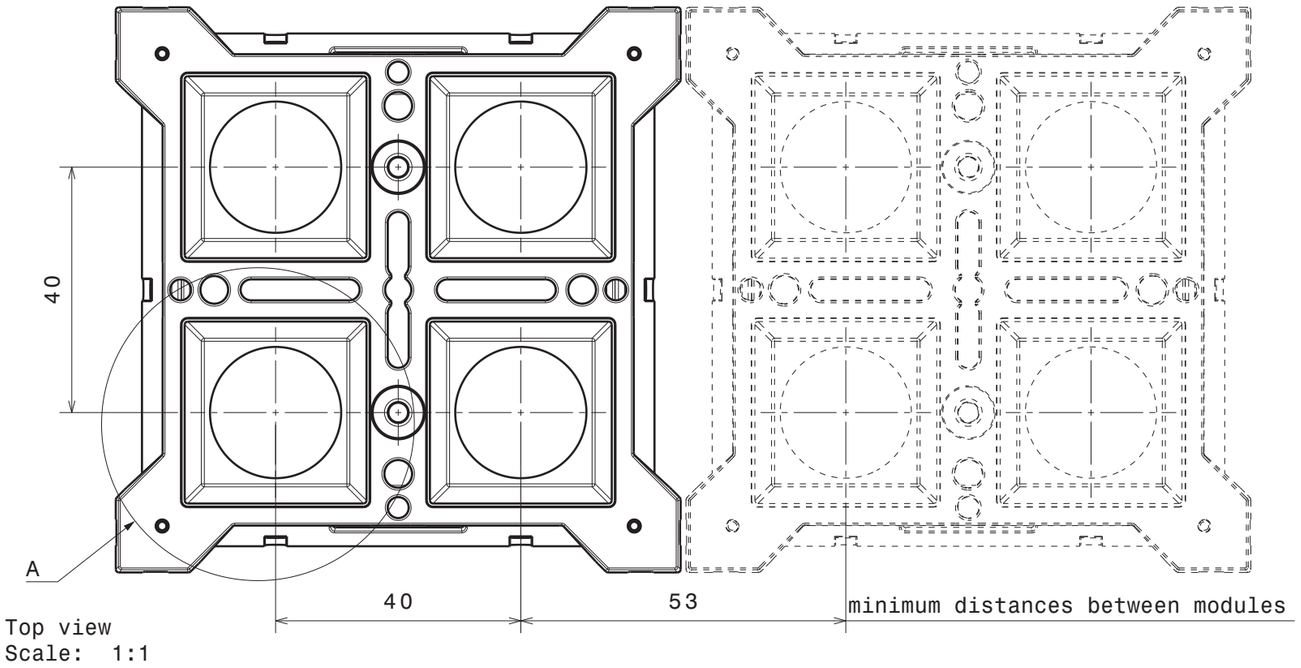
LEDiL
Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
FLORENTINA-2X2 OPEN assembly

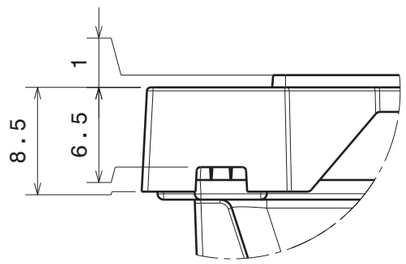
SIZE A3 | PART NUMBER -

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

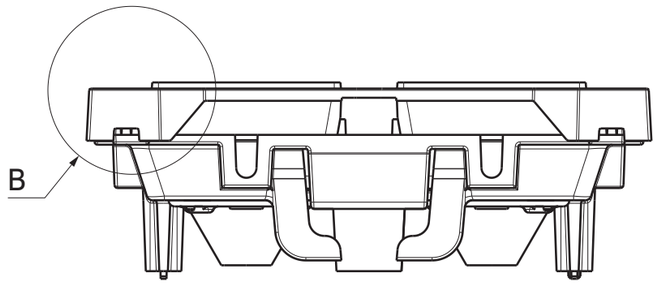




Top view
Scale: 1:1



Detail B



Front view
Scale: 1:1

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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LEDiL
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FIN 24240 SALO
Finland

DRAWING TITLE
FLORENTINA-2X2 OPEN assembly

SIZE	PART NUMBER		
A3	-		
SCALE 1:1	WEIGHT -		SHEET 2/3

Fastening options to customers front panel:

Reference 3D and 2D to PF-pin by requesting 3D mechanical model of product

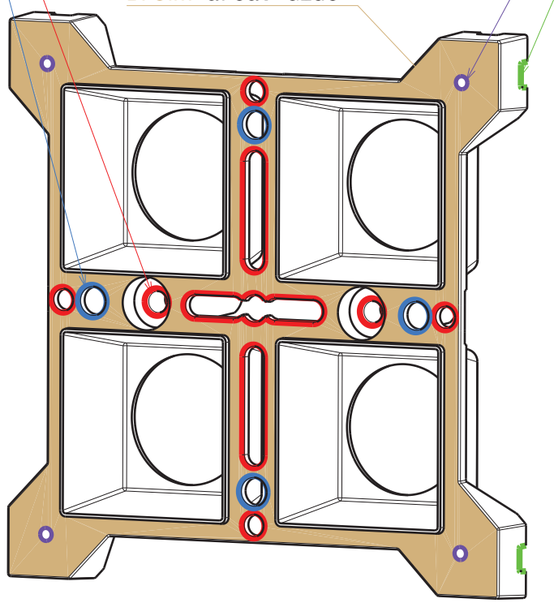
Blue circles: M4 fastening

Red circles: M3 fastening

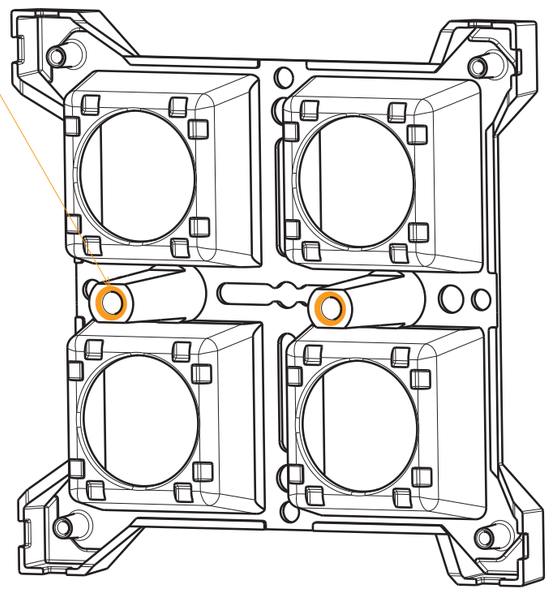
Green areas: Pockets for clip fastening

Violet circles: PF-pin fastening

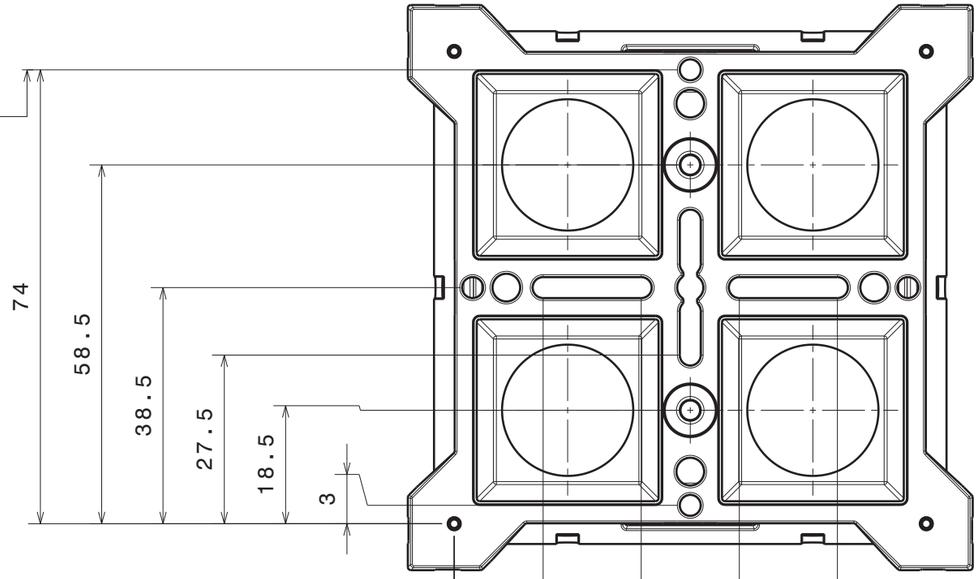
Brown area: Glue



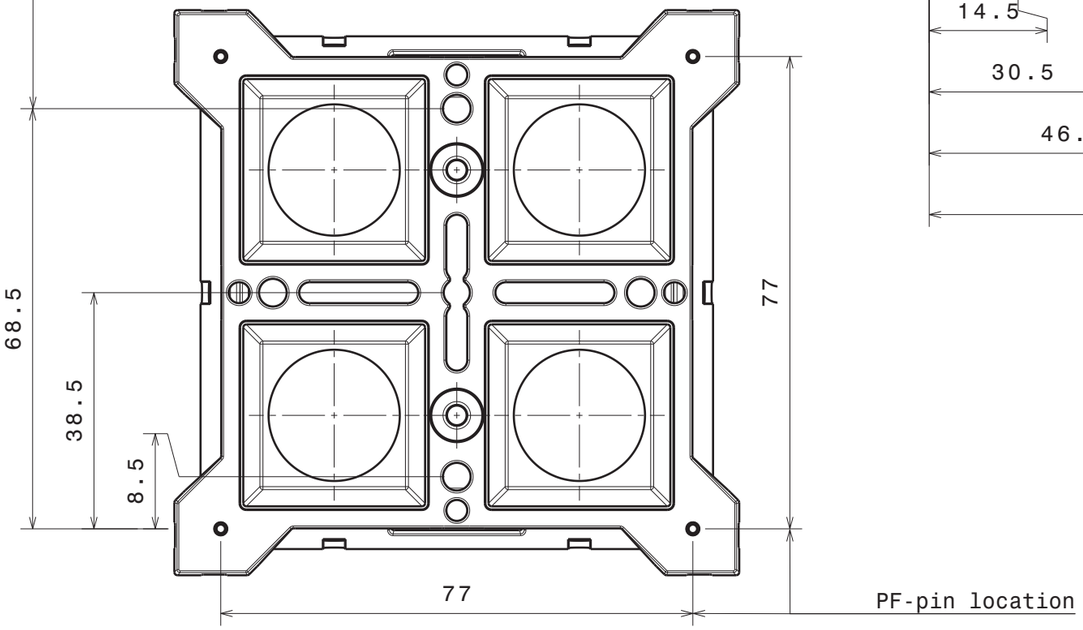
Orange circles: PT screw fastening



M3 Fastening hole positions



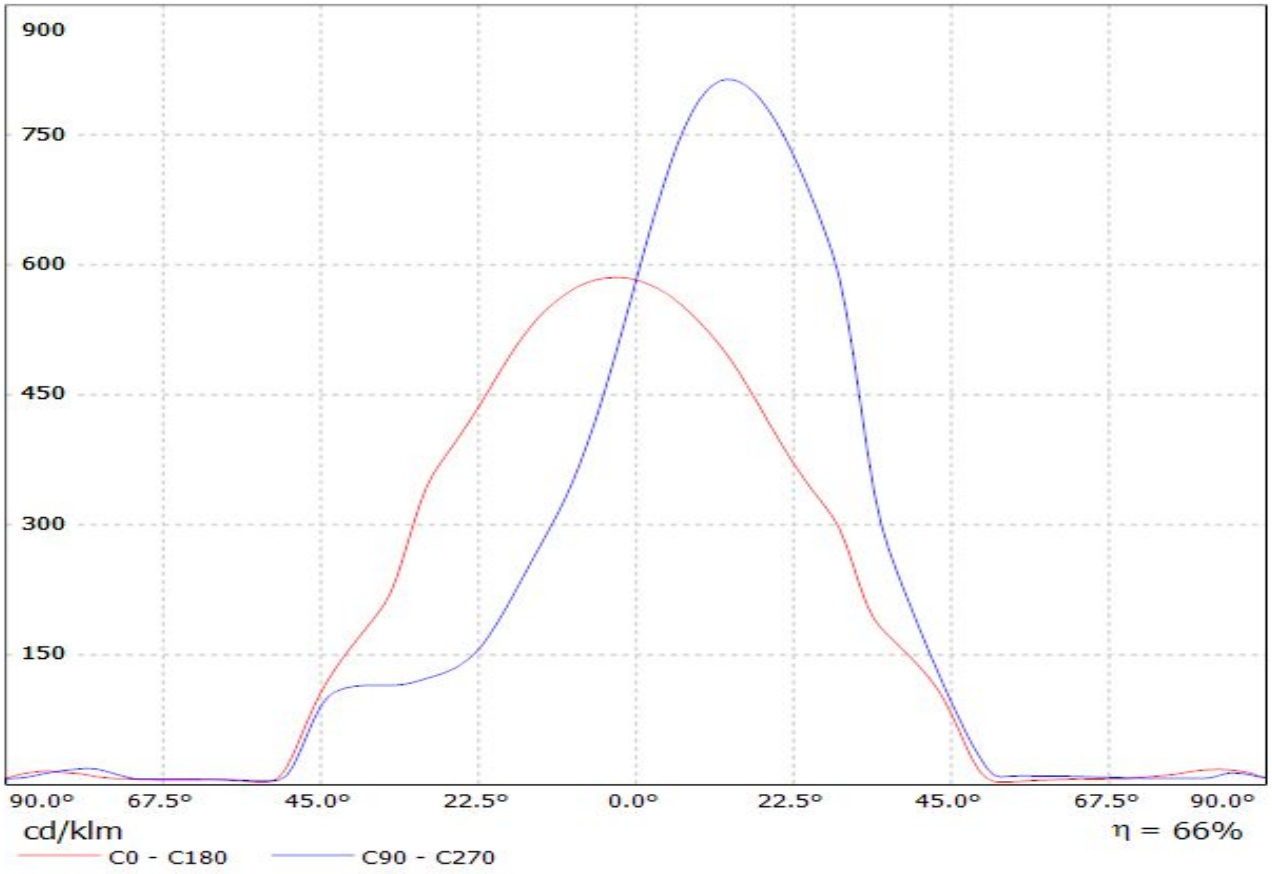
M4 Fastening hole positions



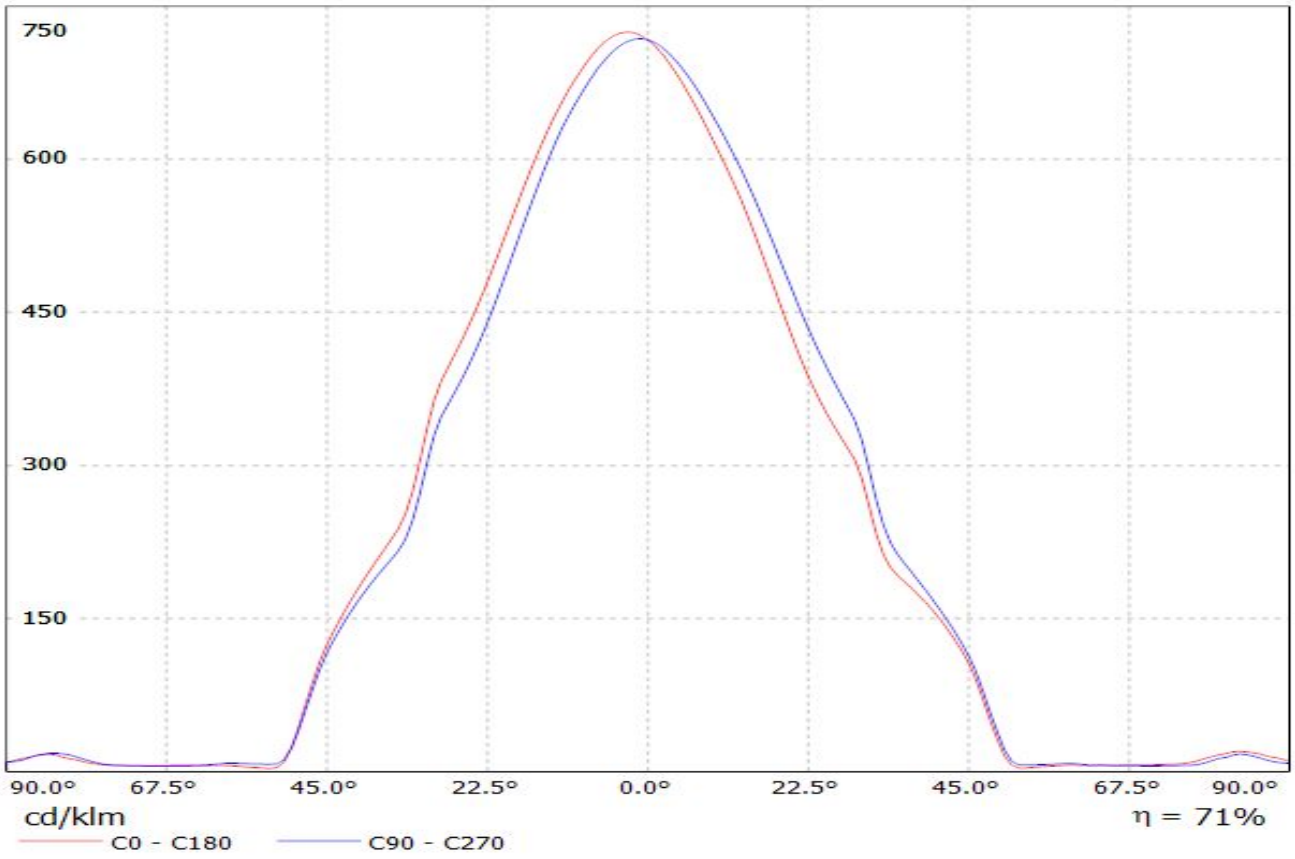
PF-pin location

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 FLORENTINA-2X2 OPEN assembly
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 1:1 / WEIGHT - / SHEET 3/3

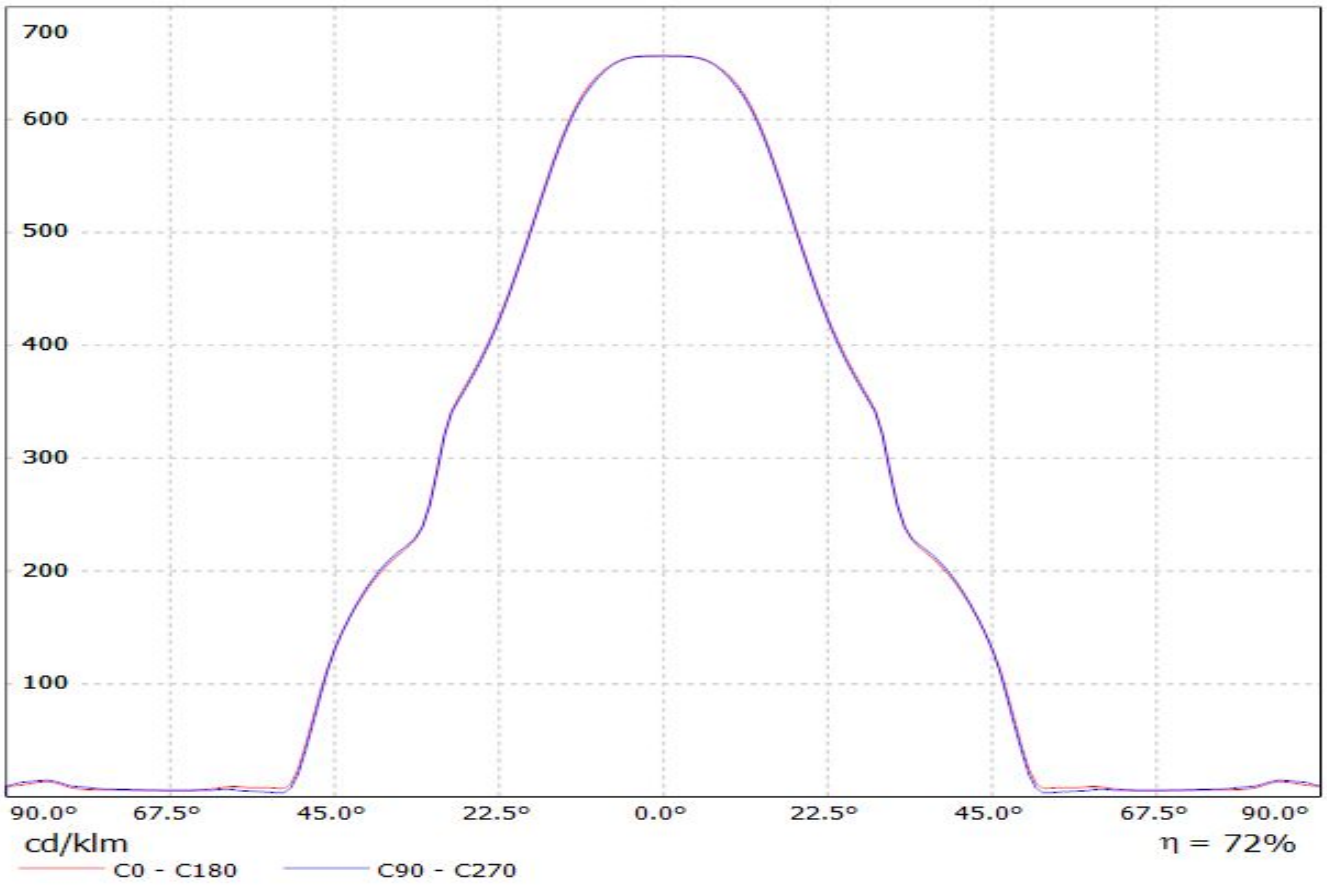
Luminaire: LEDiL Oy FC15726_FLORENTINA-2X2-MRK-OPEN-W_(XHP70)
Lamps: 1 x Cree_XHP70_799.895lm@250mA_P=5.53682W_I=0.250A



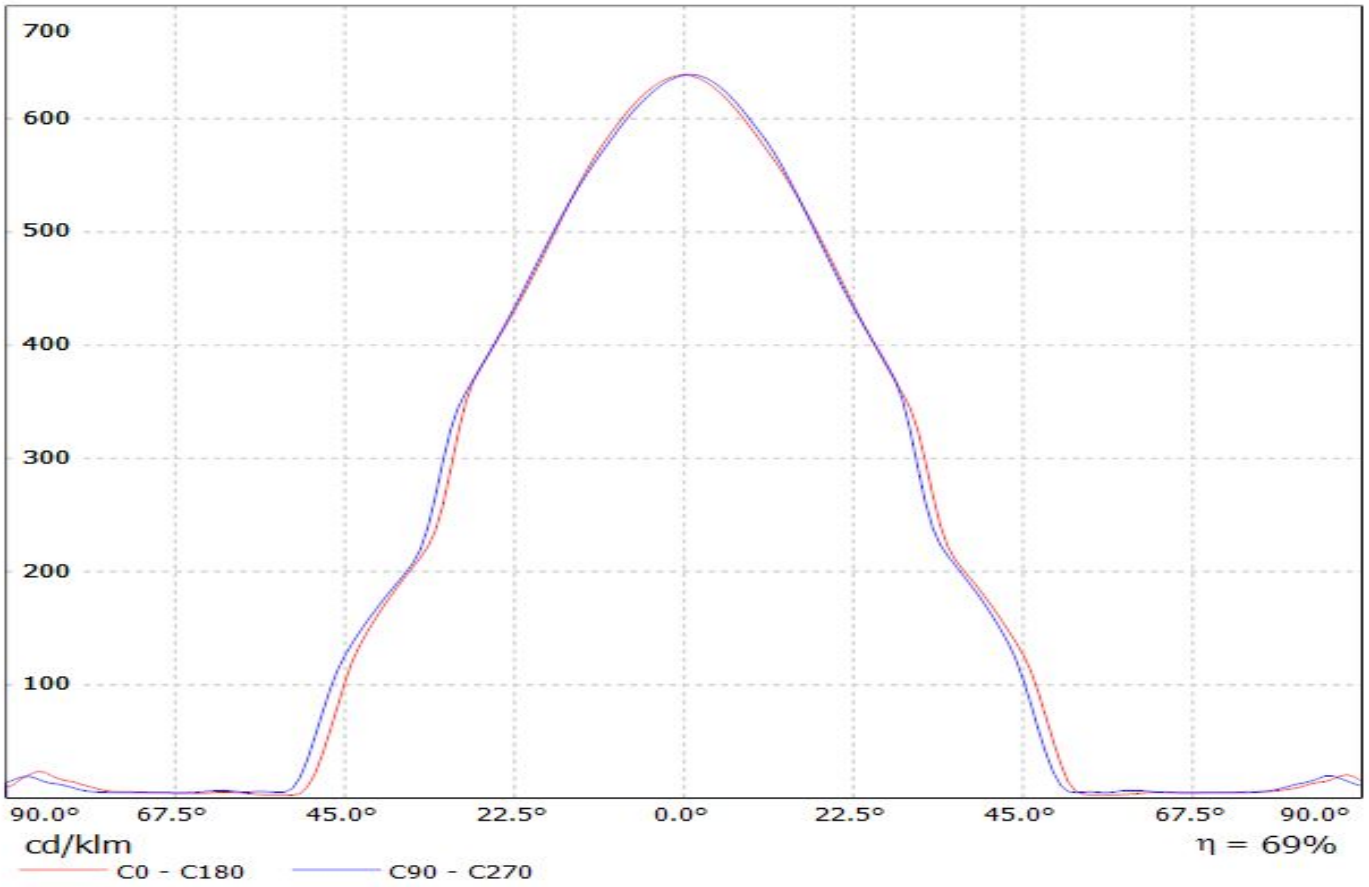
Luminaire: LEDiL Oy FC15726_FLORENTINA-2X2-MRK-OPEN-W_(XHP50)
Lamps: 1 x Cree_XHP50_(XHP50-0-1B0-J20-D0-B-01)_1821.34lm@250mA_P=11.4846W_I=0.250A



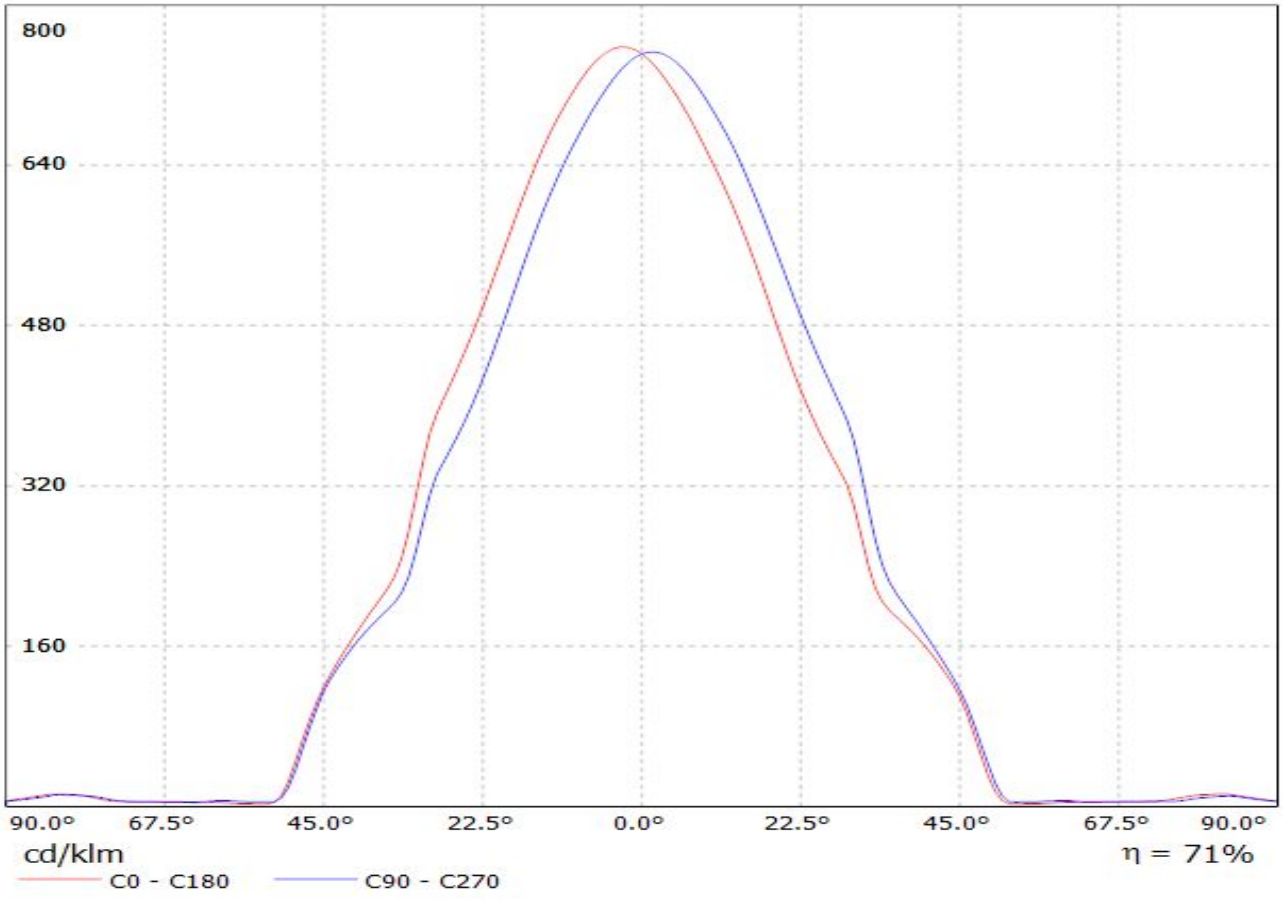
Luminaire: LEDiL Oy FC15726_FLORENTINA-2X2-MRK-OPEN-W_(XHP35_HD)
Lamps: 2 x Cree_XHP35_HD_(XHP35A-0-2D0-D40-D0-B-01)_1719.03lm@250mA_P=11.3047W_I=0.250A



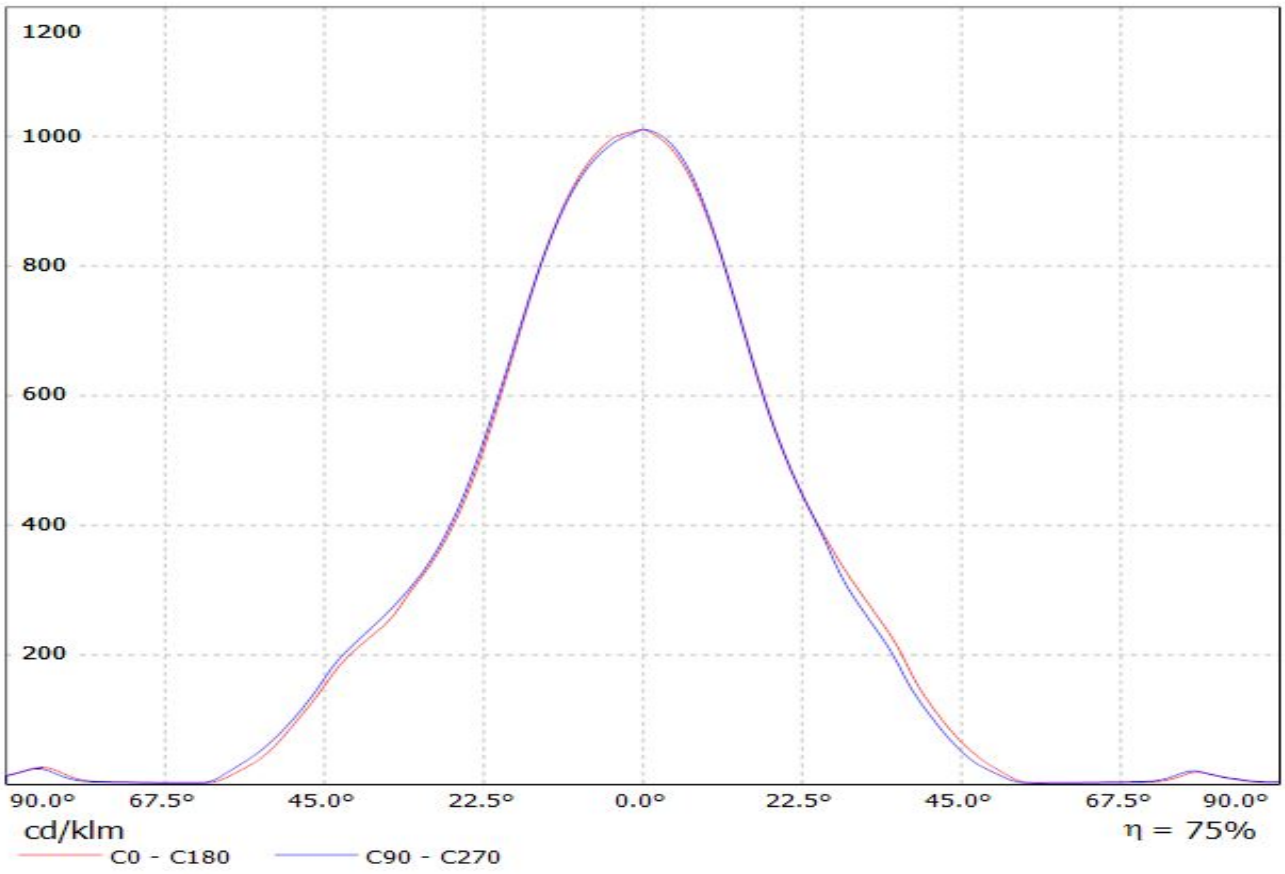
Luminaire: LEDiL Oy FC15726_FLORENTINA-2X2-MRK-OPEN-W_(H70E0)
Lamps: 1 x LG_H70E0_1785.36lm@250mA_P=11.2935W_I=0.250A



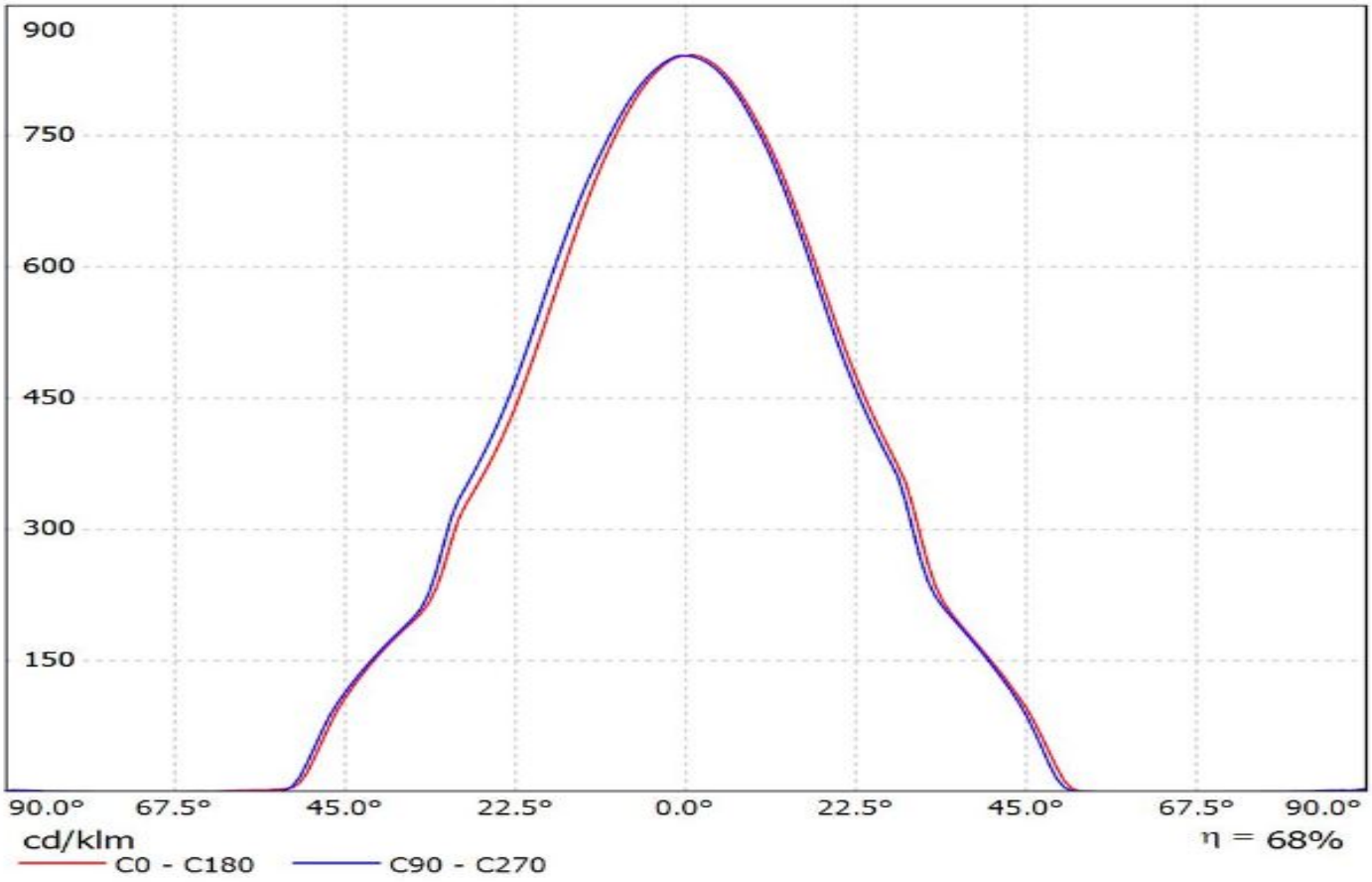
Luminaire: LEDiL Oy FC15726_FLORENTINA-2X2-MRK-OPEN-W_(Luxeon_M)
Lamps: 1 x Luxeon_M_(LXM8-SW30)_1404.24lm@250mA_P=11.0899W_I=0.250A



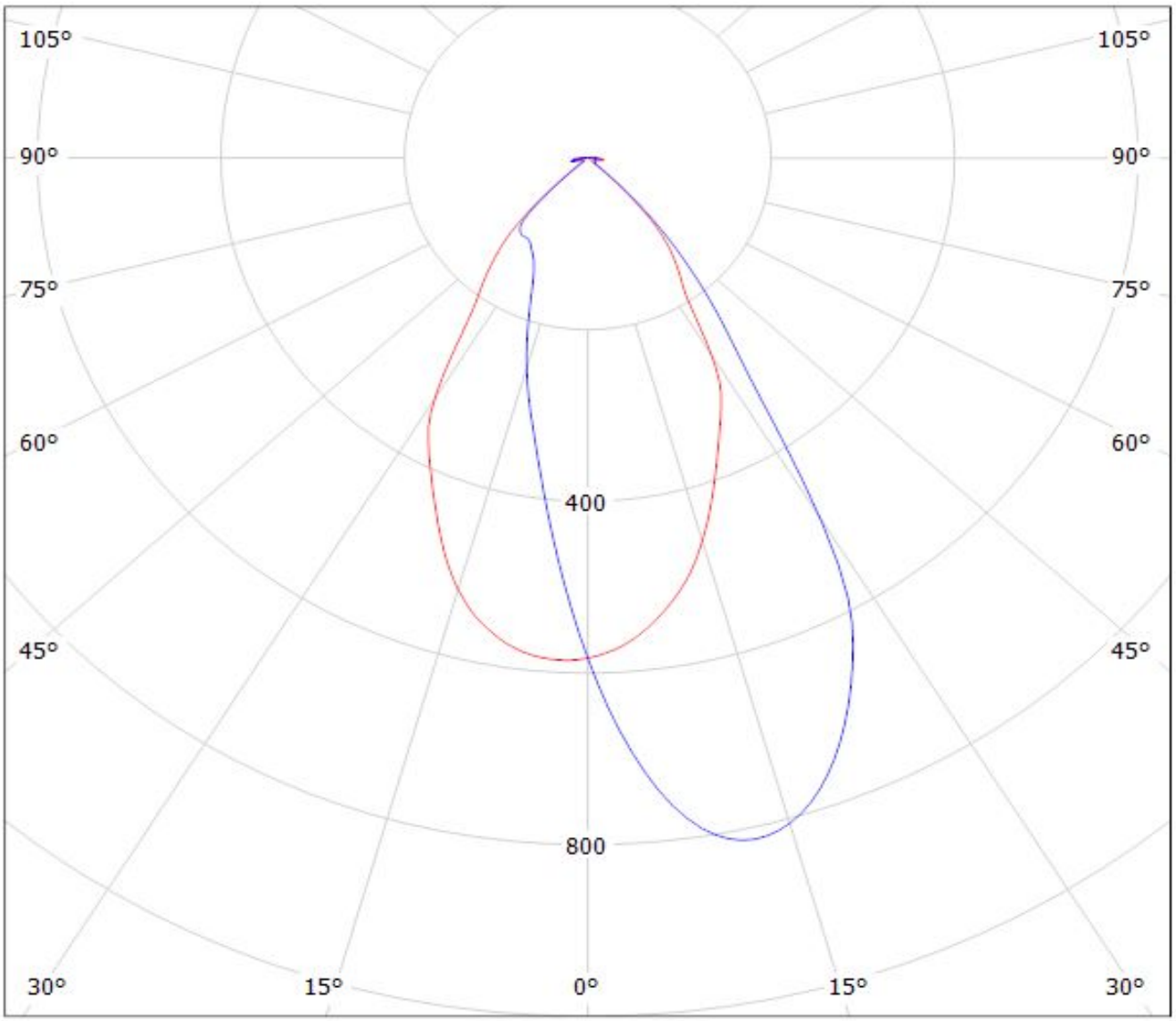
Luminaire: LEDiL Oy FC15726_FLORENTINA-2X2-MRK-OPEN-W_(Luxeon_MZ)
Lamps: 1 x Luxeon_MZ_(LMZ9-SW30)_1042.99lm@250mA_CCT=3000K_W=10.9905W_I=0.250A



Luminaire: Ledil FC15726_FLORENTINA-2X2-MRK-OPEN-W_(DURIS_P10)
Lamps: 1 x Osram_Duris_P10_2x2_(GW_P7STA1.PM)
_1851.83lm@250mA_CCT=4000K_P=11.2603W_I=0.25A



Luminaire: LEDiL Oy FC15726_FLORENTINA-2X2-MRK-OPEN-W_(XHP70)
Lamps: 1 x Cree_XHP70_799.895lm@250mA_P=5.53682W_I=0.250A

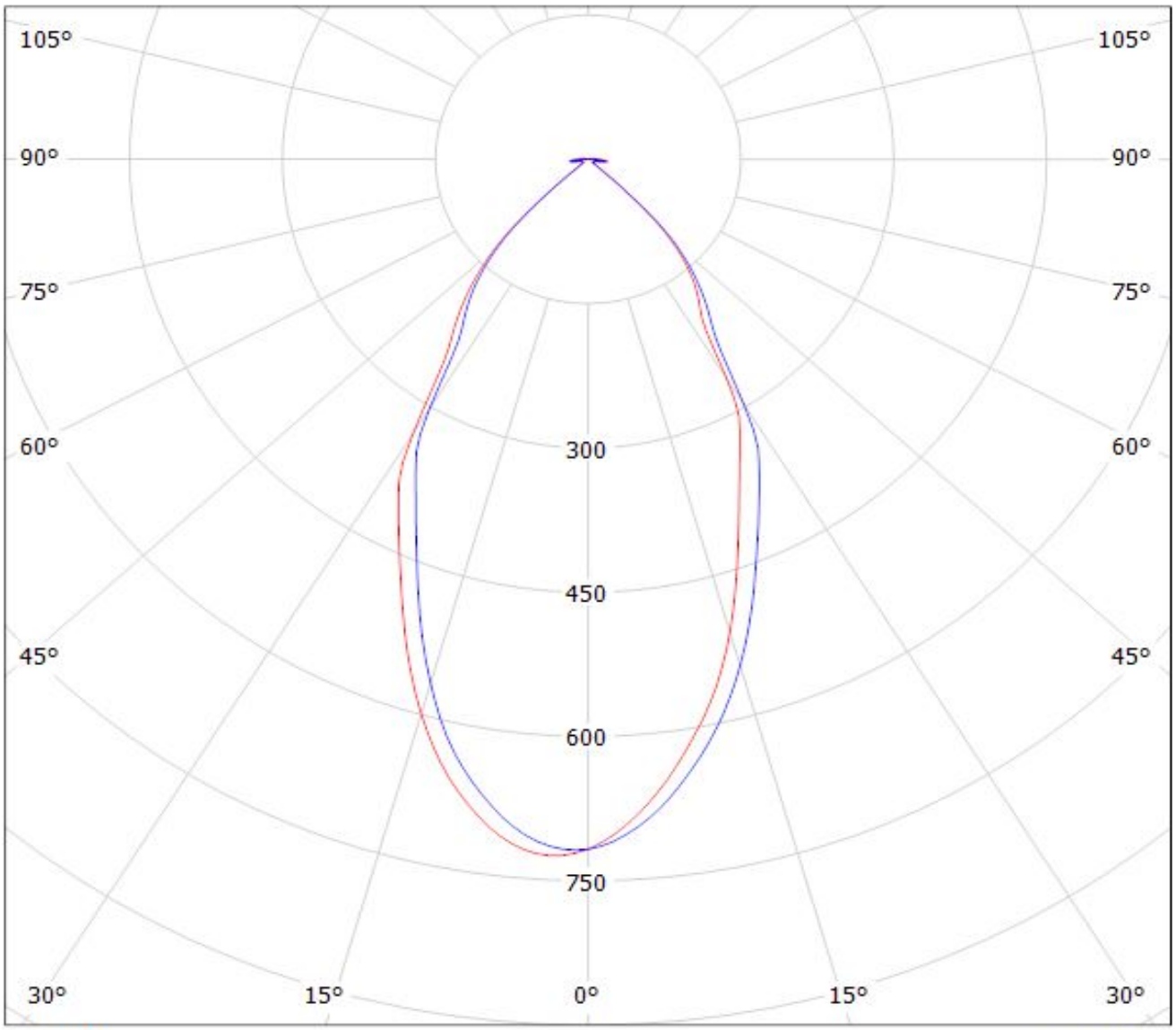


cd/klm

η = 66%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FC15726_FLORENTINA-2X2-MRK-OPEN-W_(XHP50)
Lamps: 1 x Cree_XHP50_(XHP50-0-1B0-J20-D0-B-01)_1821.34lm@250mA_P=11.4846W_I=0.250A

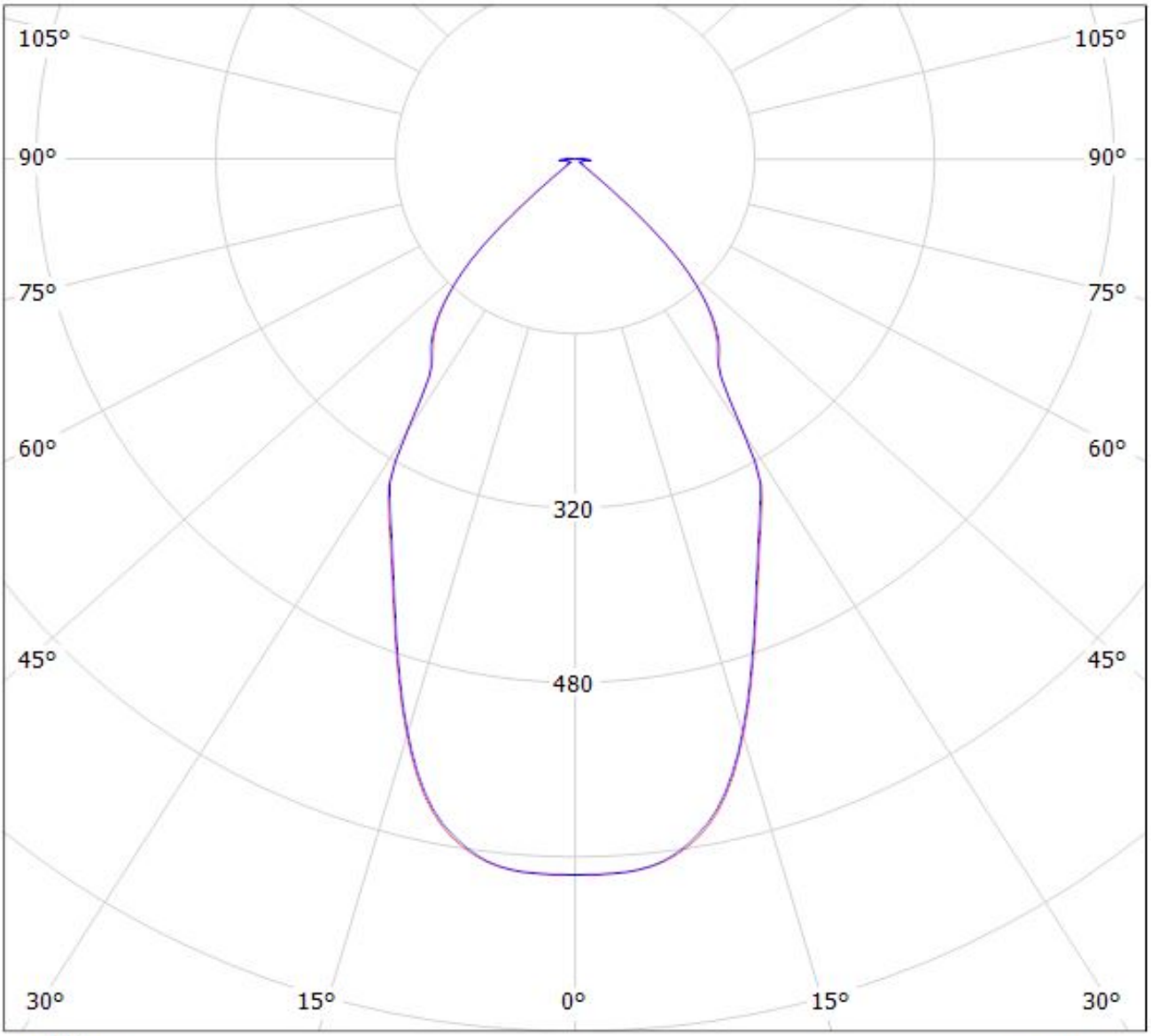


cd/klm

η = 71%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FC15726_FLORENTINA-2X2-MRK-OPEN-W_(XHP35_HD)
Lamps: 2 x Cree_XHP35_HD_(XHP35A-0-2D0-D40-D0-B-01)_1719.03lm@250mA_P=11.3047W_I=0.250A

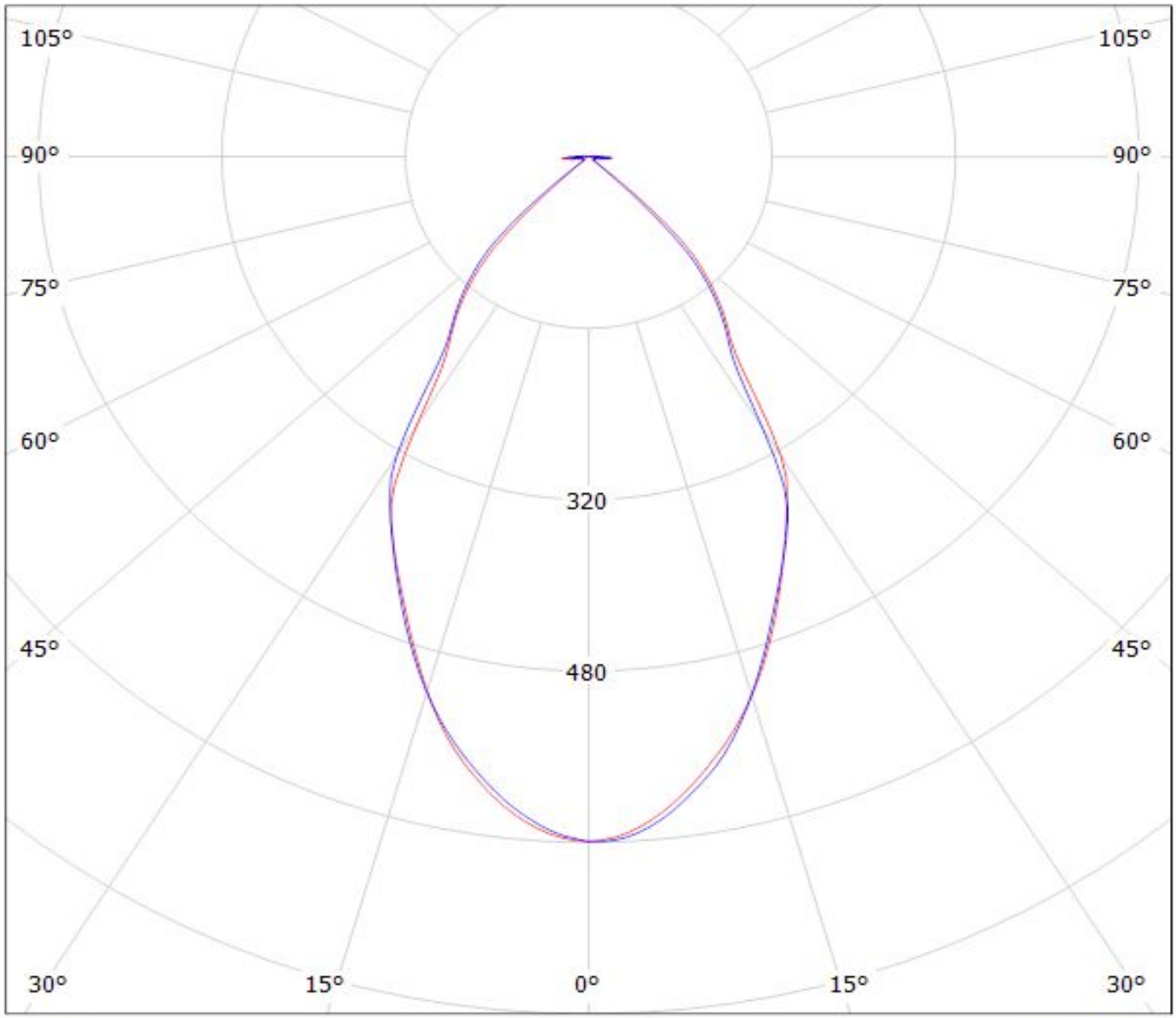


cd/klm

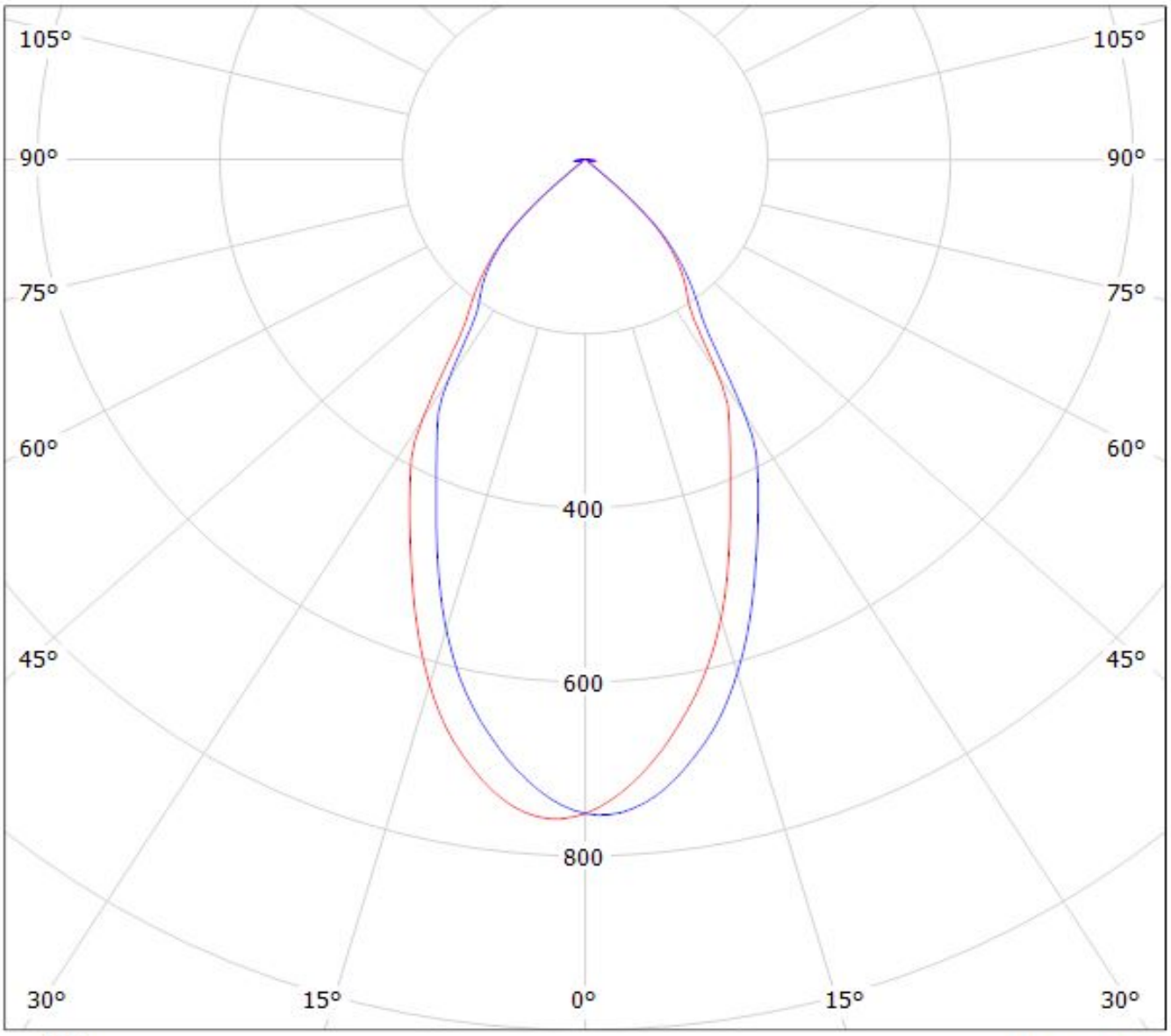
η = 72%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FC15726_FLORENTINA-2X2-MRK-OPEN-W_(H70E0)
Lamps: 1 x LG_H70E0_1785.36lm@250mA_P=11.2935W_I=0.250A



Luminaire: LEDiL Oy FC15726_FLORENTINA-2X2-MRK-OPEN-W_(Luxeon_M)
Lamps: 1 x Luxeon_M_(LXM8-SW30)_1404.24lm@250mA_P=11.0899W_I=0.250A

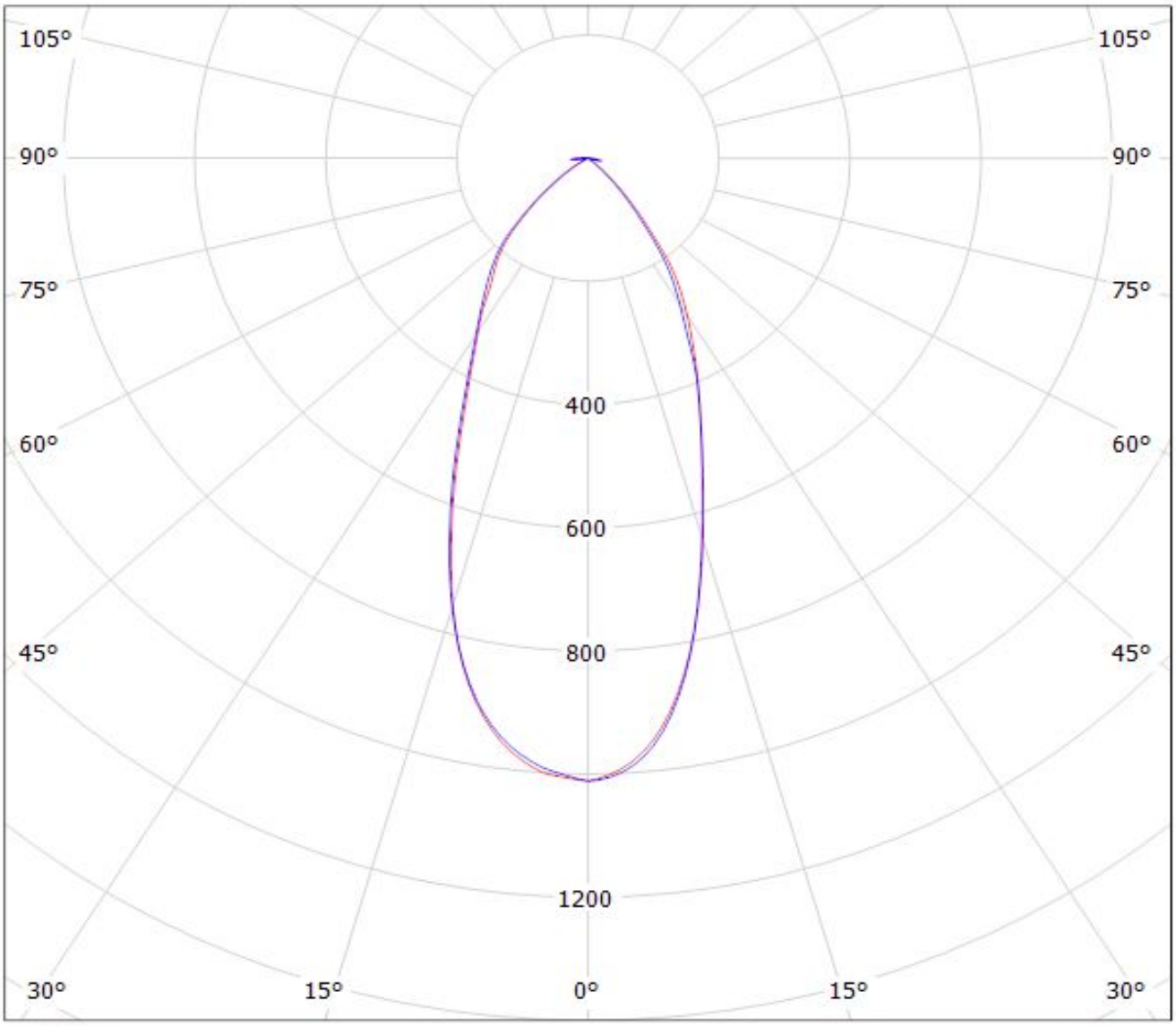


cd/klm

η = 71%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FC15726_FLORENTINA-2X2-MRK-OPEN-W_(Luxeon_MZ)
Lamps: 1 x Luxeon_MZ_(LMZ9-SW30)_1042.99lm@250mA_CCT=3000K_W=10.9905W_I=0.250A

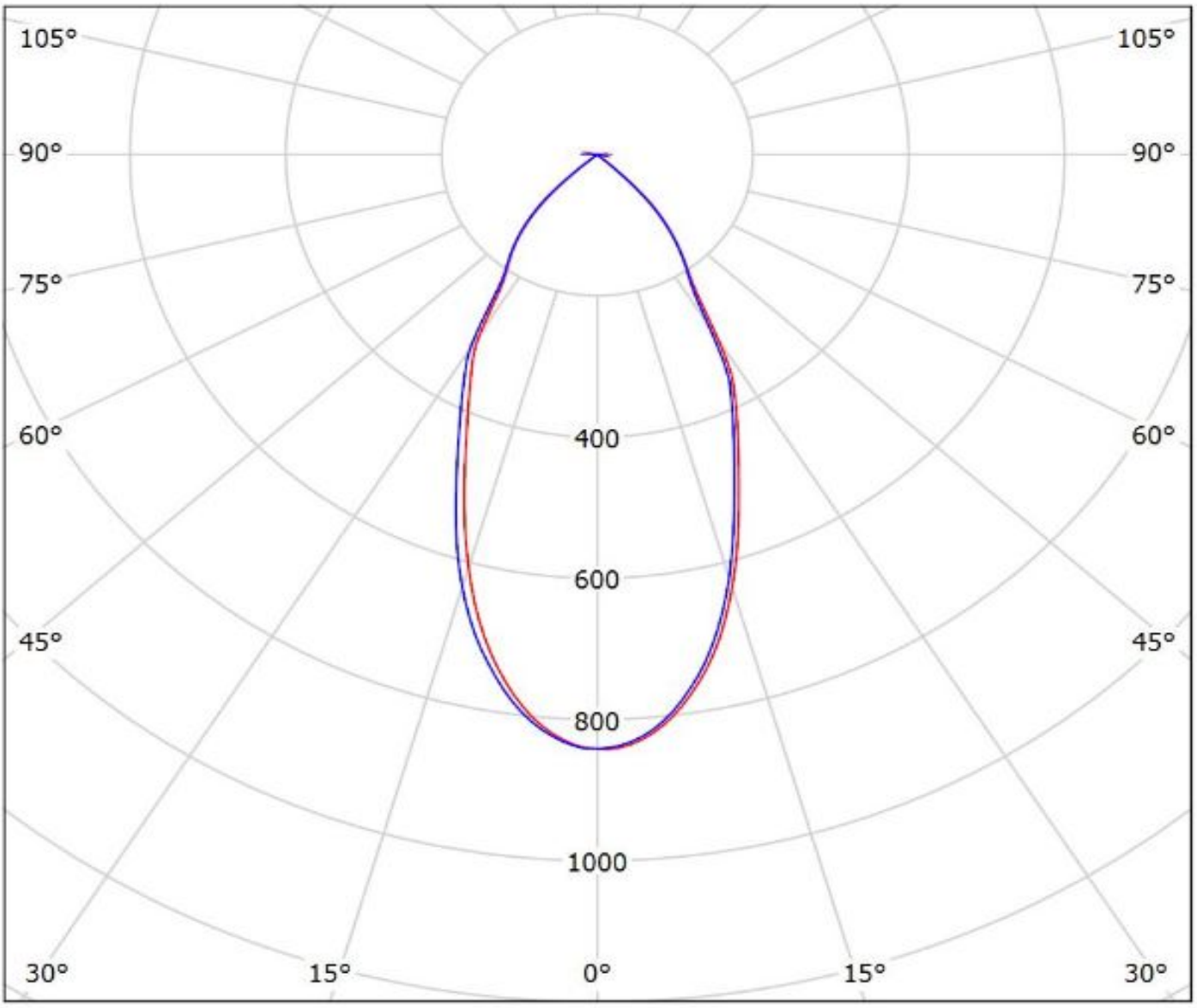


cd/klm

η = 75%

C0 - C180 C90 - C270

Luminaire: Ledil FC15726_FLORENTINA-2X2-MRK-OPEN-W_(DURIS_P10)
Lamps: 1 x Osram_Duris_P10_2x2_(GW_P7STA1.PM)
_1851.83lm@250mA_CCT=4000K_P=11.2603W_I=0.25A



cd/klm

η = 68%

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.