

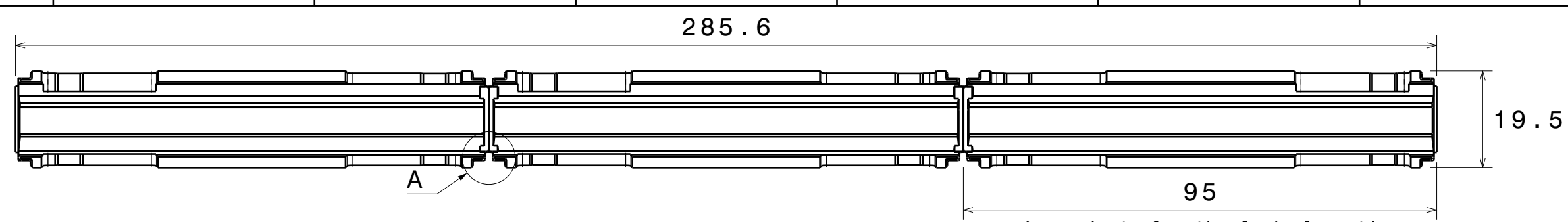
DETAILS

Product Number	F14344_FLORENCE-1R-ZT25
Family	Florence
Type	Lens
Color	clear
Diameter	19,5 x 286 mm
Height	7,13 mm
Style	rectang
Optic Material	PMMA
Holder Material	
Fastening	glue
Status	ready
ROHS Compliant	Yes
Date Updated	5/05/2015

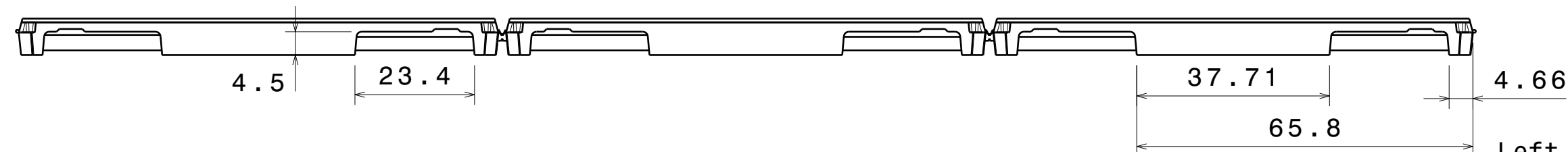


OPTICAL PROPERTIES

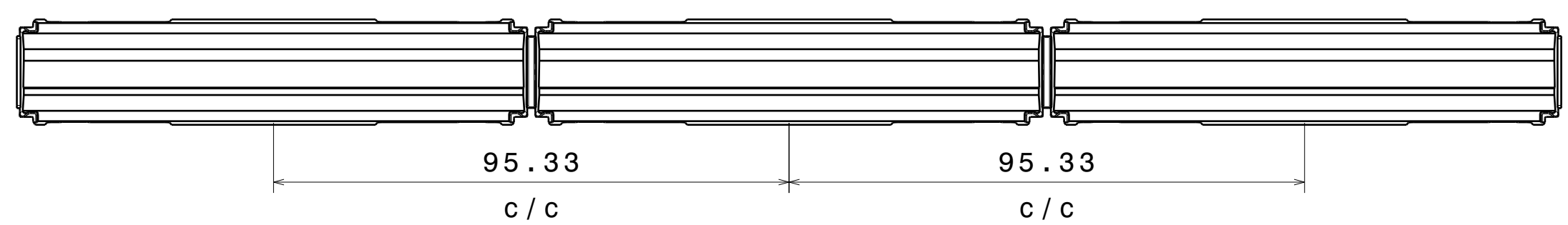
LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
Fortimo LED Line 1ft 1100lm 8x0 1R xV2	asymmetric deg	Asymmetric	94 %	1.000	-
Duris S5 (2 chip)	Asymmetric deg	Asymmetric	93 %	0.920	-
NF2x757D	Asymmetric deg	Asymmetric	93 %	0.910	-
LM302A	asymmetric deg	Asymmetric	94 %	1.000	-
Luxeon 3030 2D	Asymmetric deg	Asymmetric	93 %	1.000	-
MP-2016	Asymmetric deg	Asymmetric	94 %	1.300	-
SEOUL 3030	asymmetric deg	Asymmetric	93 %	1.000	-
LT-S282N	Asymmetric deg	Asymmetric	94 %	0.890	-
LM301A	Asymmetric deg	Asymmetric	93 %	1.200	-
Luxeon 3014	Asymmetric deg	Asymmetric	94 %	1.300	-
Luxeon 3535L	asymmetric deg	Asymmetric	94 %	1.040	-
Luxeon 3020	asymmetric deg	Asymmetric	94 %	1.350	-
CALGD0414-M8W1	asymmetric deg	Asymmetric	94 %	0.940	-
CALGD0814-M17W1	asymmetric deg	Asymmetric	92 %	0.960	-
NF2x757G	asymmetric deg	Asymmetric	92 %	0.940	-
LM561C	asymmetric deg	Asymmetric	94 %	1.150	-
LO-280024-xxx-C0800-L267	asymmetric deg	Asymmetric	93 %	0.790	-



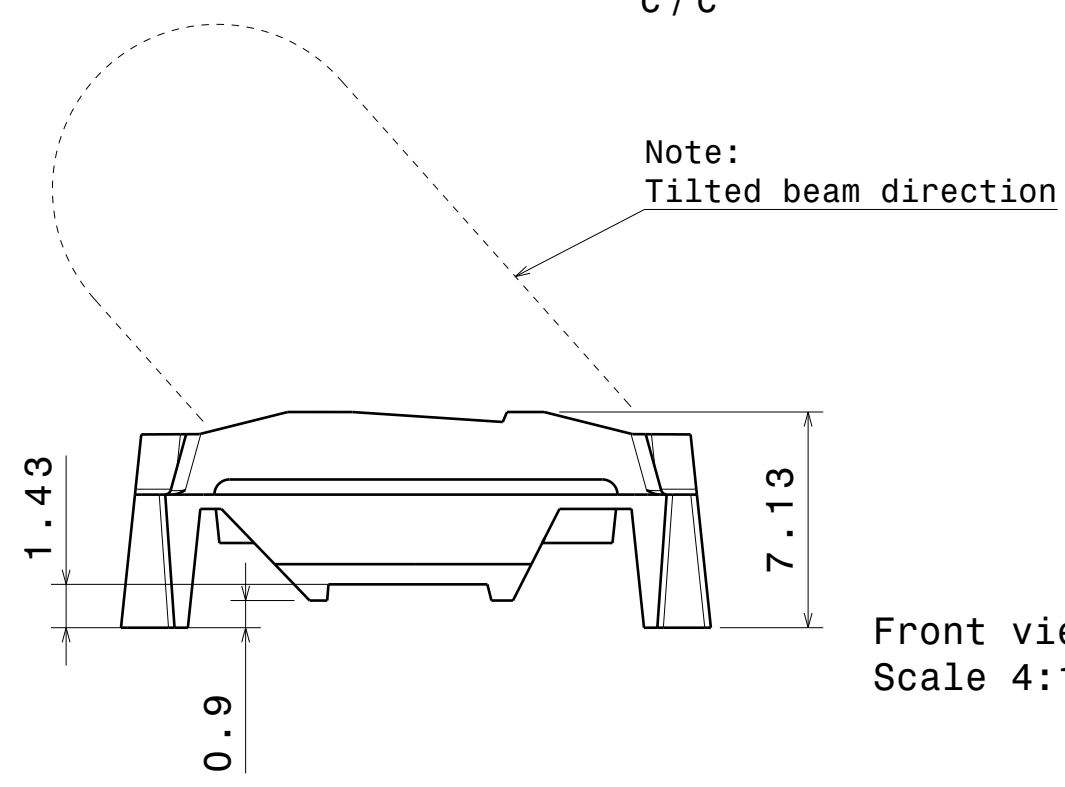
Bottom view



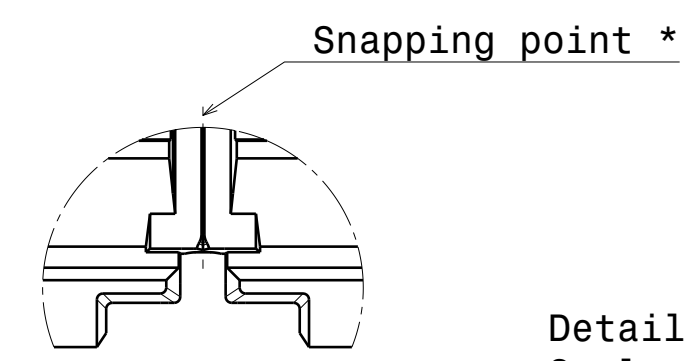
Left view



Top view



Front view
Scale 4:1



Detail A
Scale 4:1

* Optics can be snapped along this line and used also as single parts.

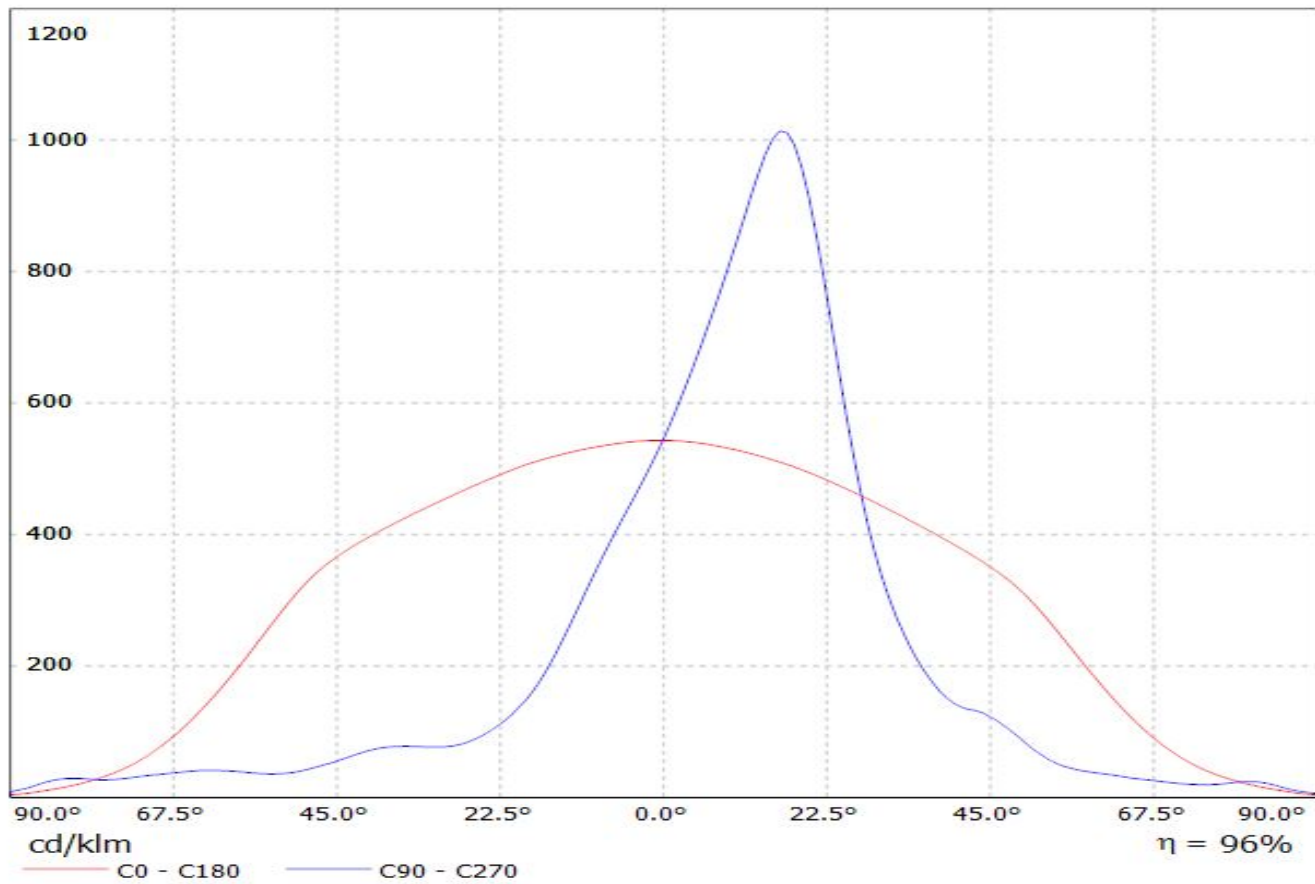
Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

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INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F14344	FLORENCE - 1R - ZT25	PMMA	
LEDiL	LediL Oy			
	Salorankatu 10			
	FIN 24240 SALO			
	Finland			
DRAWING TITLE				
F14344_FLORENCE - 1R - ZT25				
SIZE	PART NUMBER			
A3	F14344			
SCALE	1 : 1			SHEET 1 / 1

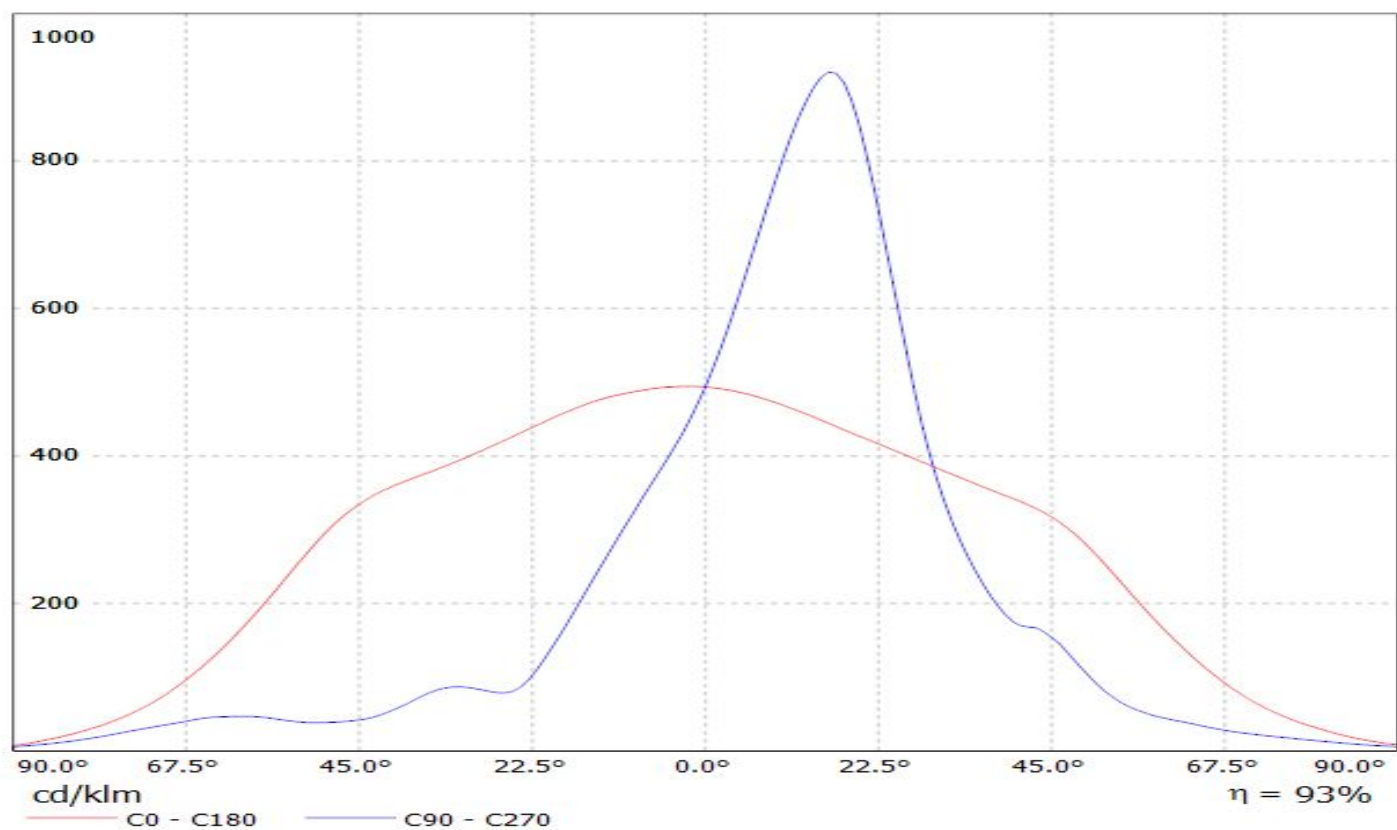
Luminaire: LEDiL Oy F14344_FLORENCE-1R-ZT25_1
Lamps: 1 x FORTIMO-1R_PCB_1063.12lm@250mA_P=8.02029W_I=249.9mA



Ledil F14344_FLORENCE-1R-ZT25_(Duris_S5) / LDC (Linear)

Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(Duris_S5)

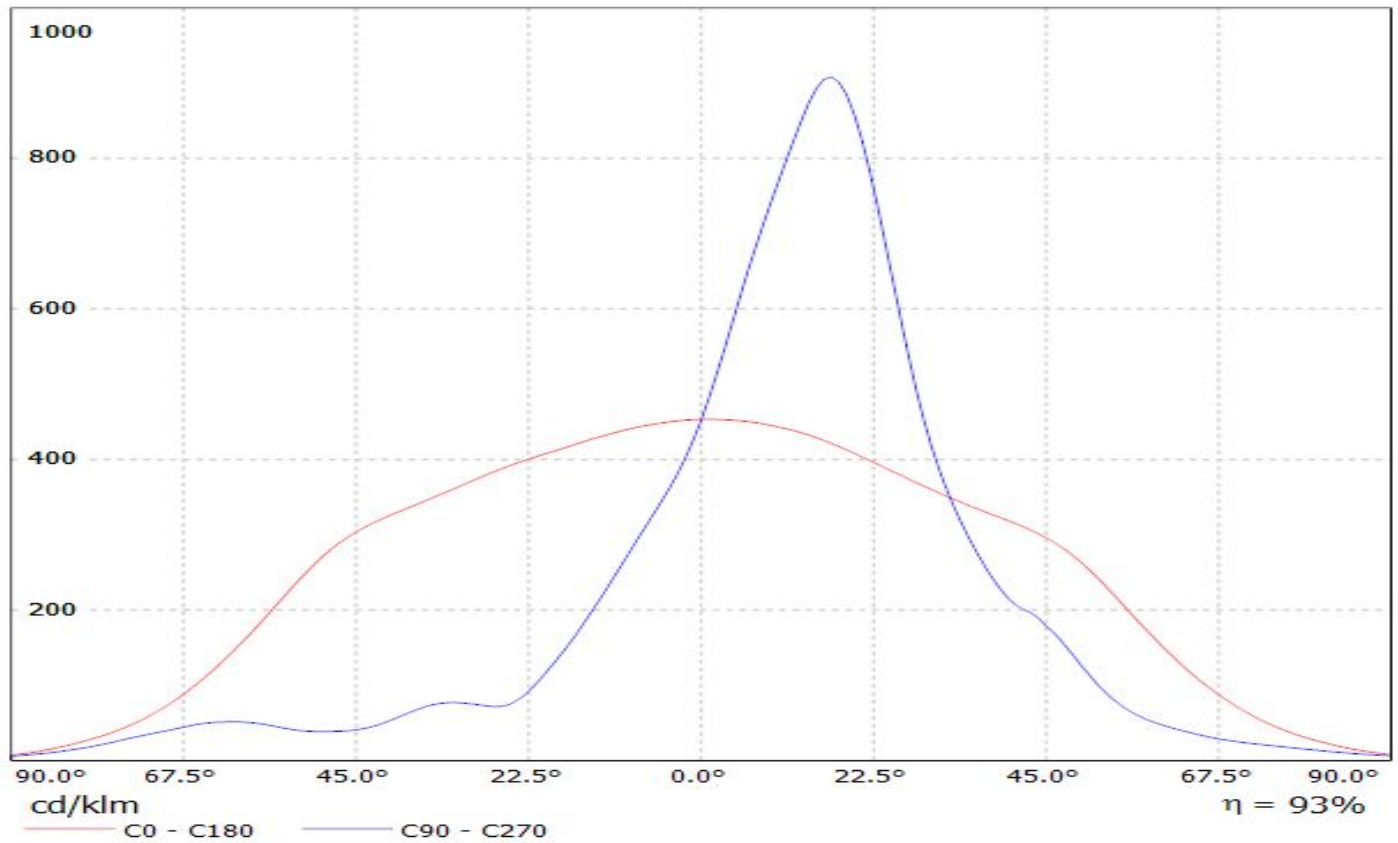
Lamps: 1 x Osram_Duris_S5_x11_(GW_PSLRS1.EC-LQLS-5H7I-1)
_1016.86lm@100mA_P=8W_I=0.1000A



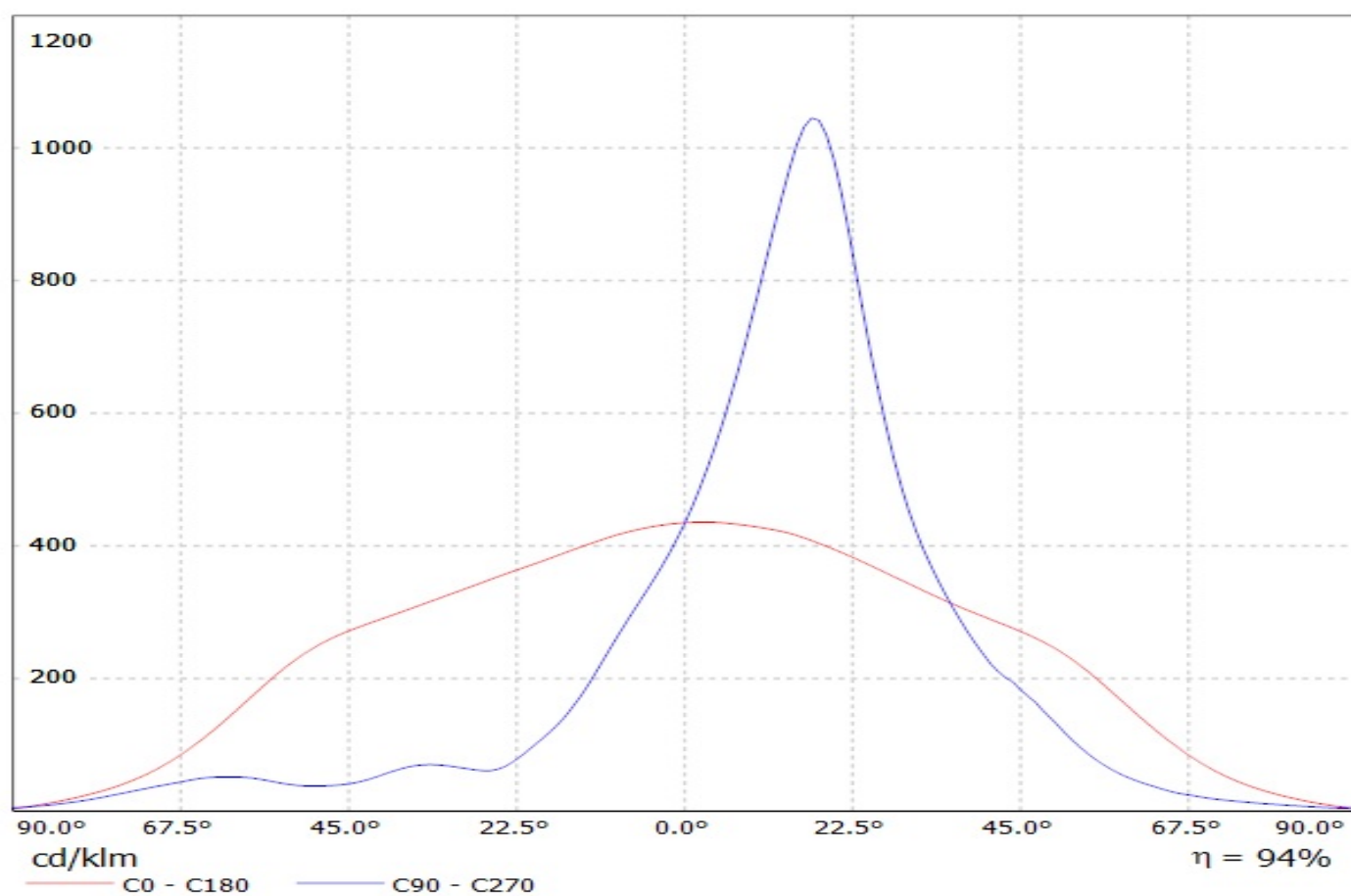
Ledil F14344_FLORENCE-1R-ZT25_(NF2x757D) / LDC (Linear)

Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(NF2x757D)

Lamps: 1 x Nichia_NF2x757D_2chip_x22 (NF2W757DRT)_2050.61lm@200mA_P=12.95W_I=0.2A



Luminaire: LEDiL Oy F14344_FLORENCE-1R-ZT25_(LM302A)
Lamps: 1 x Samsung_LM302A_865.46lm@100mA_P=6.64694W_I=0.1001A

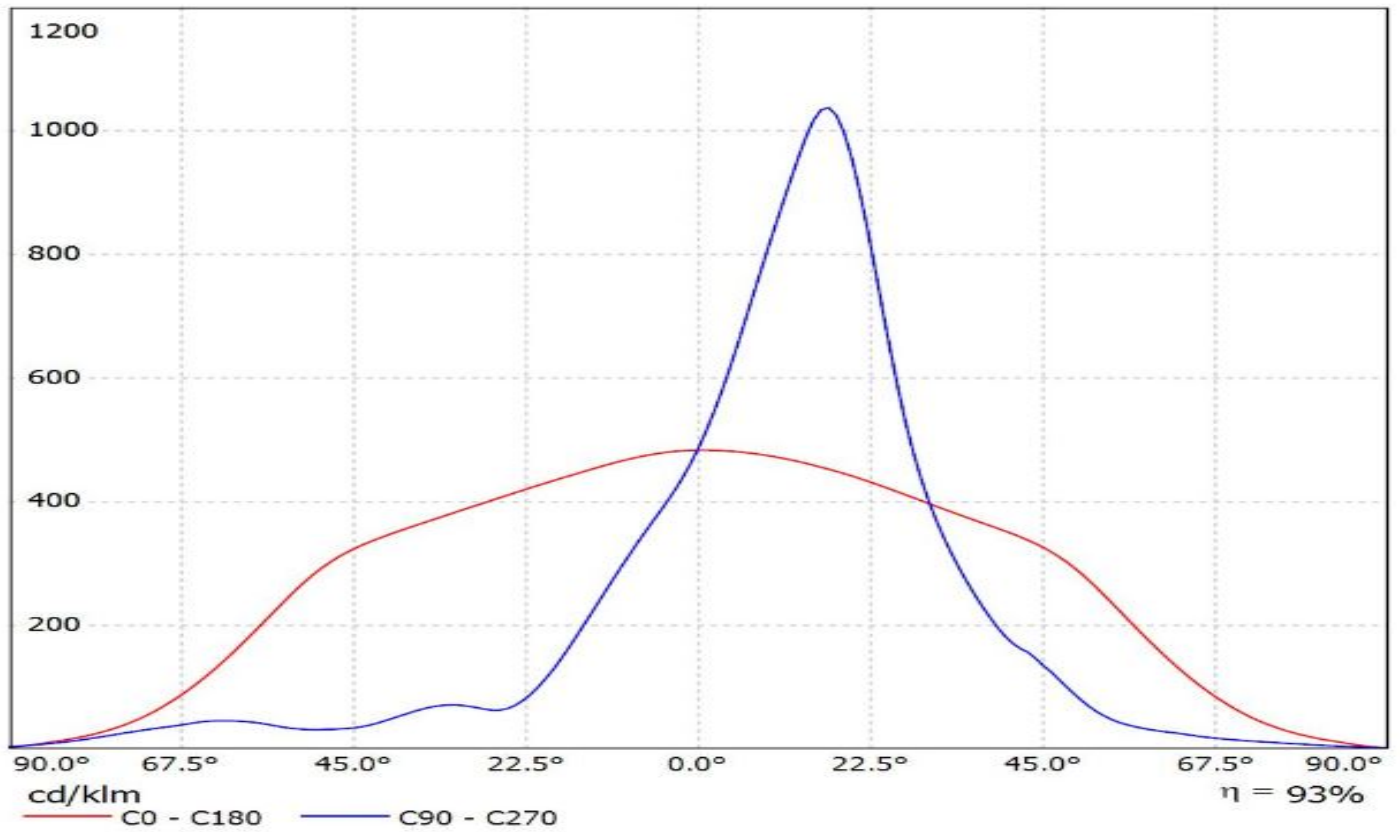


Ledil F14344_FLORENCE-1R-ZT25_(Luxeon_3030_2D) / LDC (Linear)

Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(Luxeon_3030_2D)

Lamps: 1 x Luxeon_3030_2D_x22_(L130-4080003000W21)

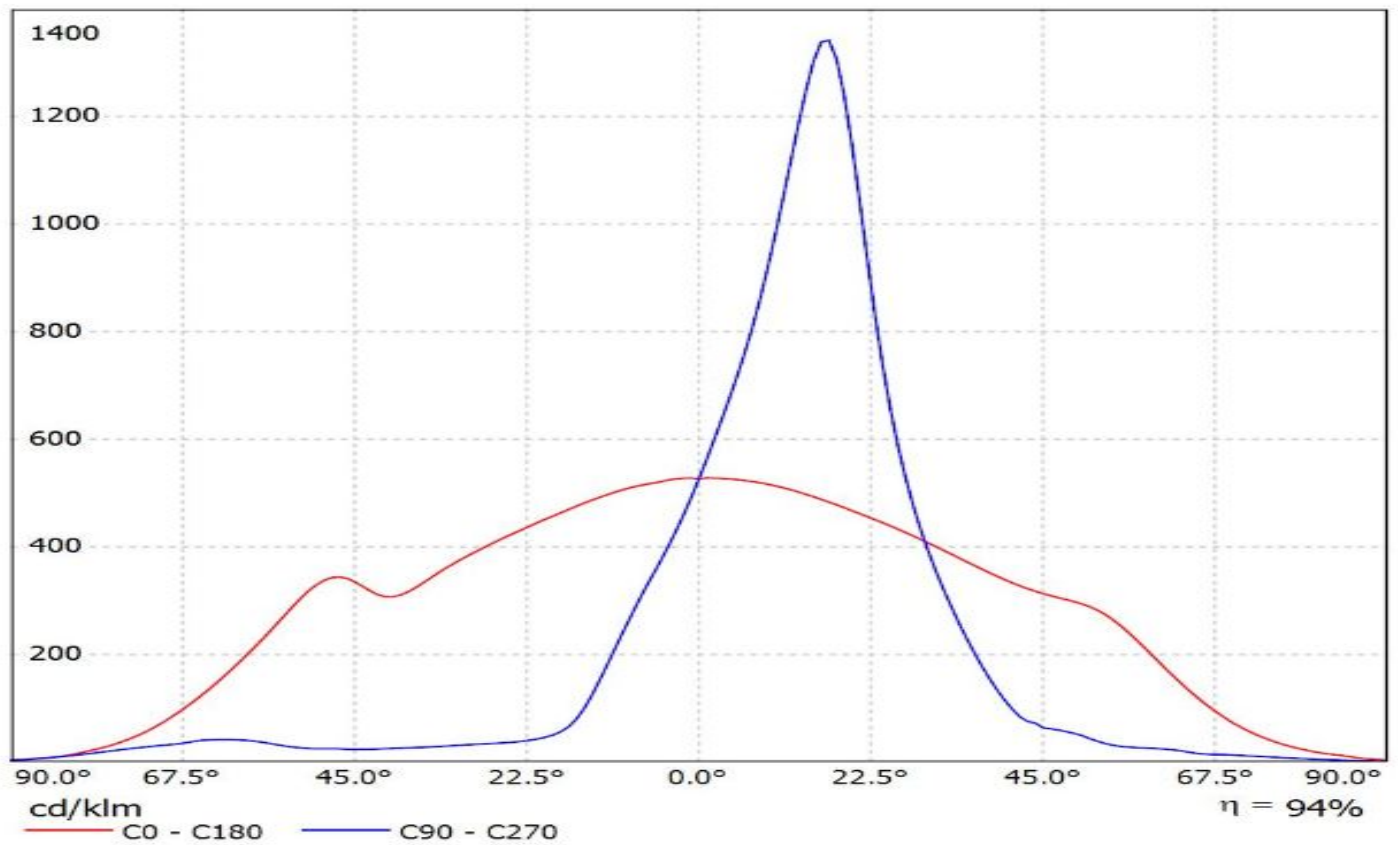
_1601.44lm@200mA_CCT=4000K_P=12.8W_I=0.2A



Ledil F14344_FLORENCE-1R-ZT25_(Luminus_MP-2016) / LDC (Linear)

Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(Luminus_MP-2016)

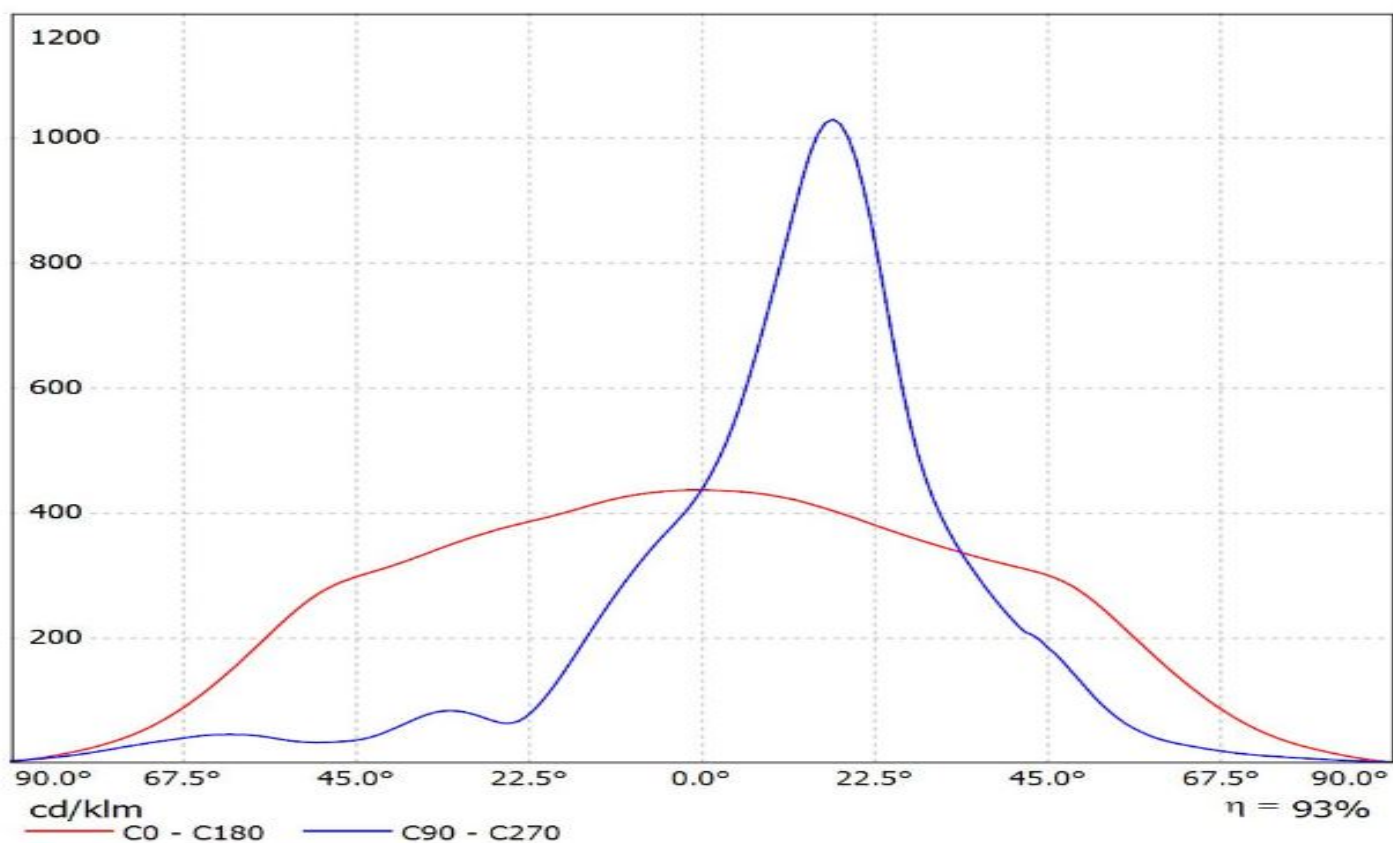
Lamps: 1 x Luminus_MP-2016_1x22_(LUMMP-1100-30-80)_471.904lm@120mA_P=4W_I=0.12A



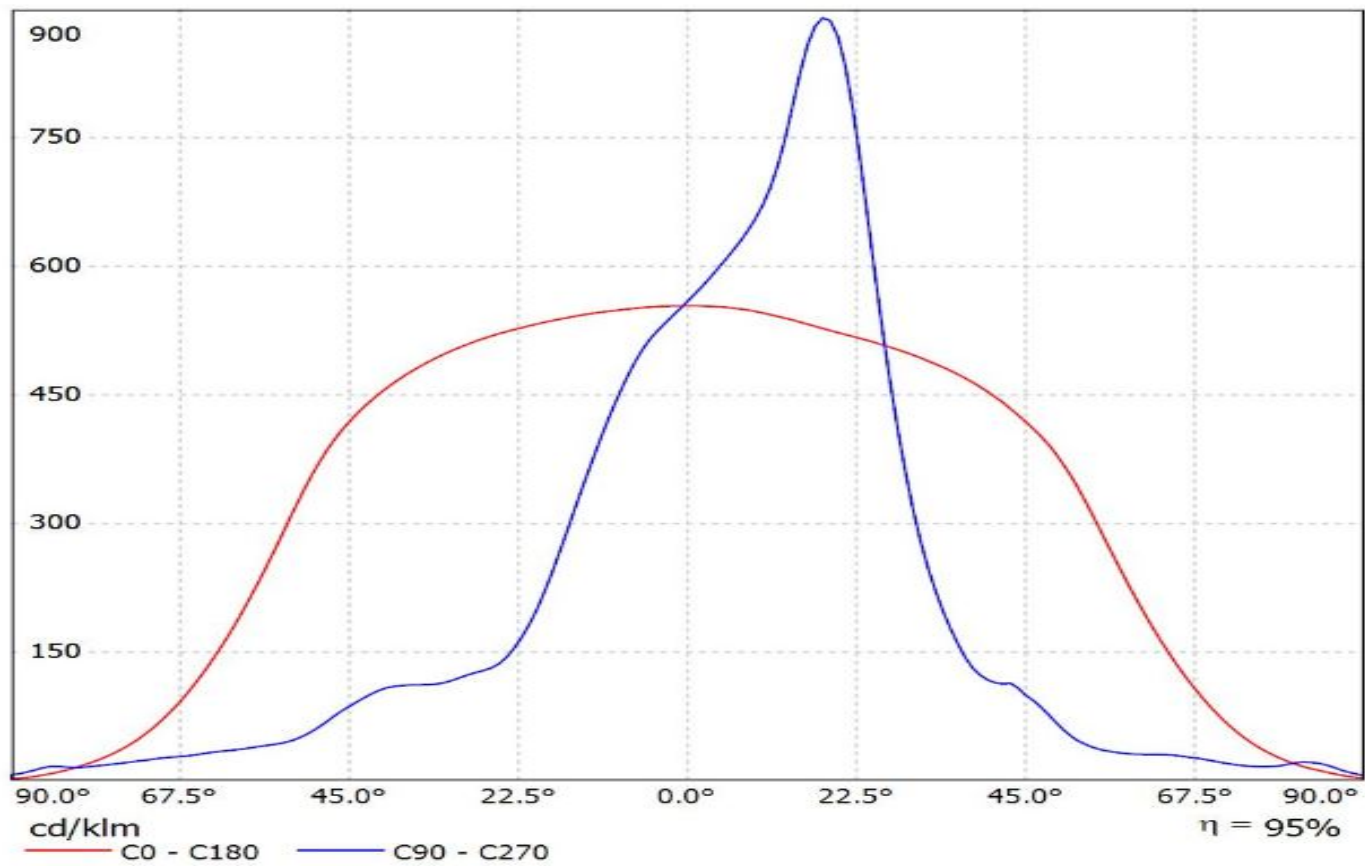
Ledil F14344_FLORENCE-1R-ZT25_(Seoul_3030) / LDC (Linear)

Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(Seoul_3030)

Lamps: 1 x Seoul_3030_x11_(STW8C2SA)_785.296lm@100mA_P=6.5W_I=0.1A

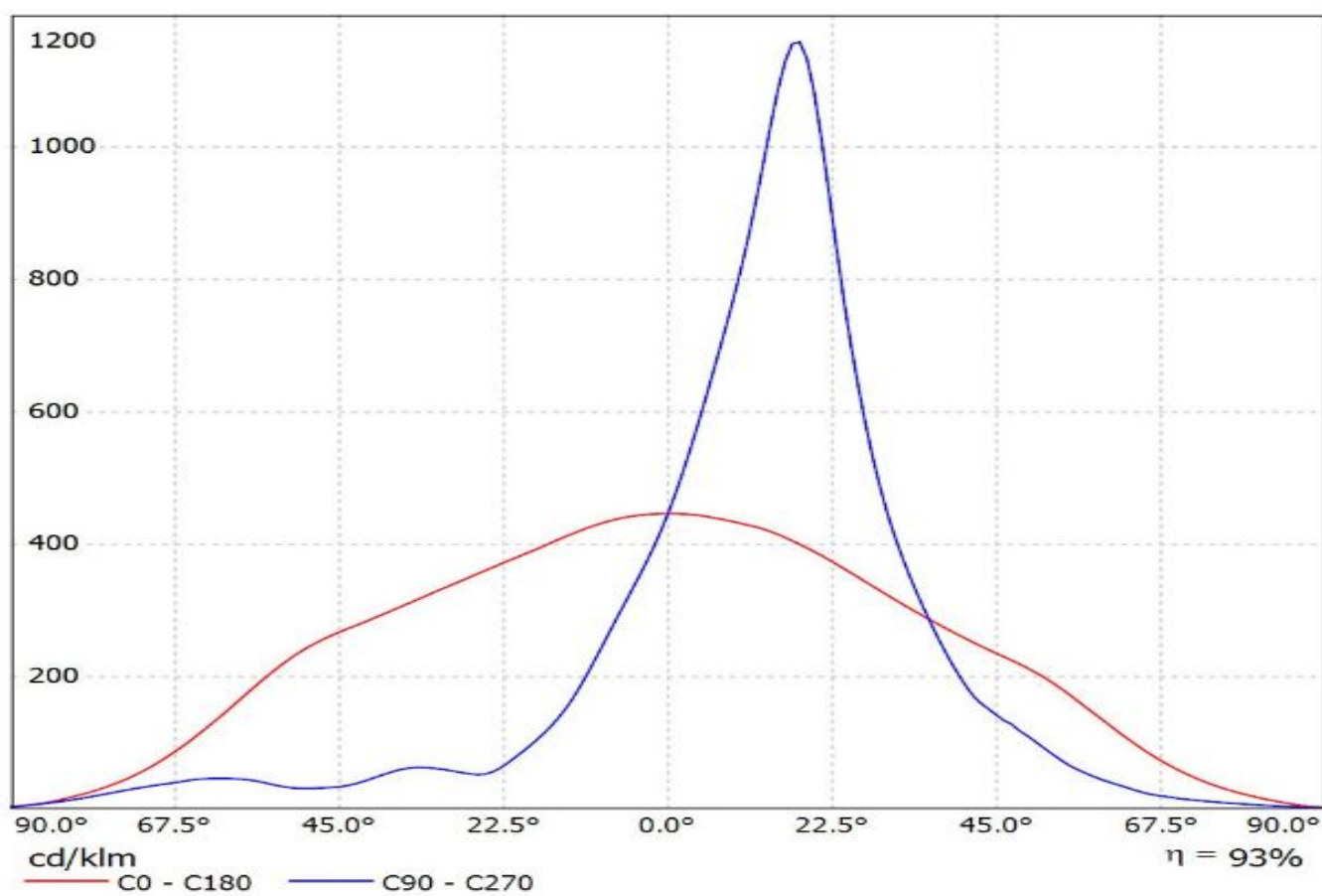


Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(LT-S282N)
Lamps: 1 x Samsung SI-B8T071280LD_LM5618+_1401.55lm@250mA_P=9.185W_I=0.25A

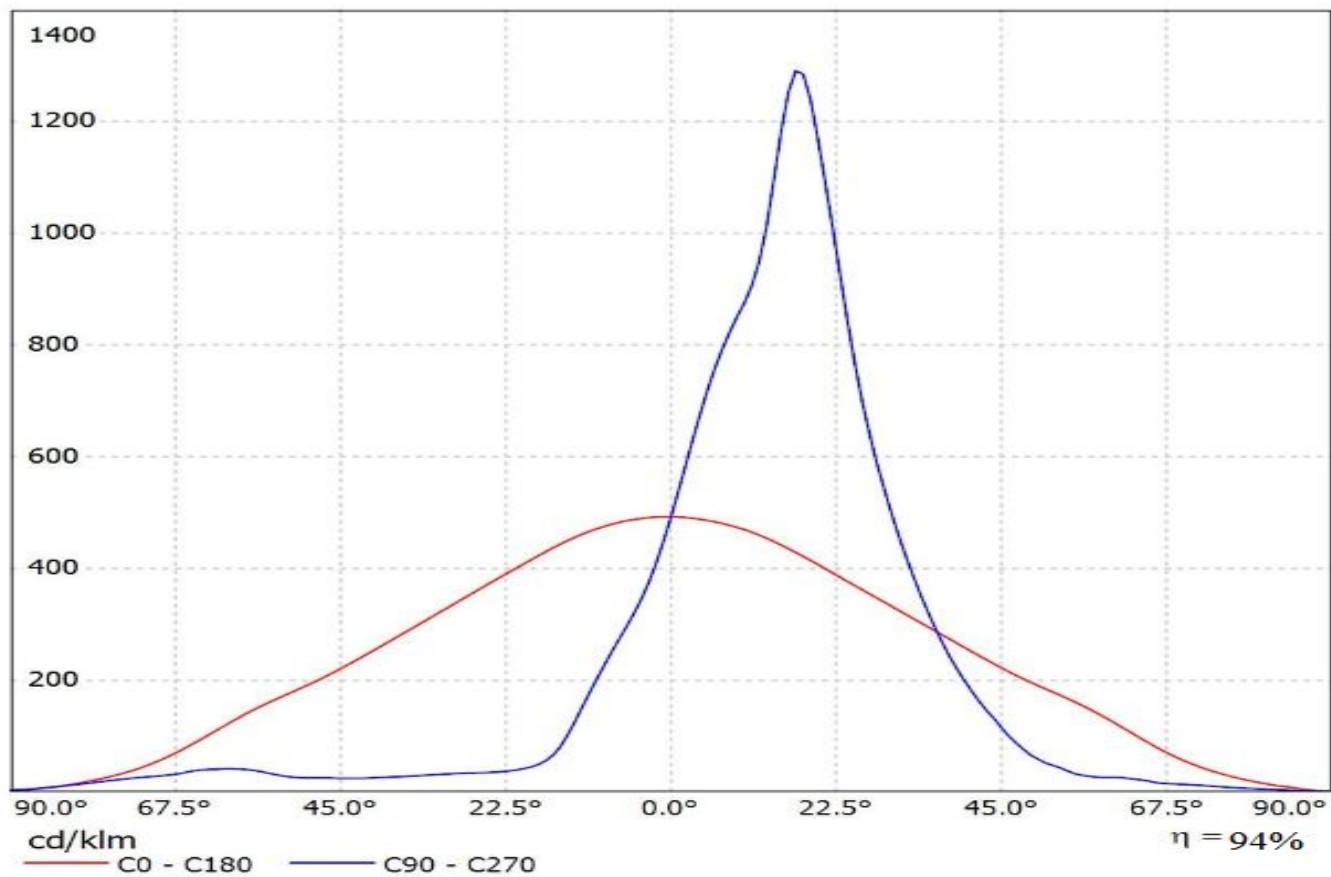


Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(LM301A)

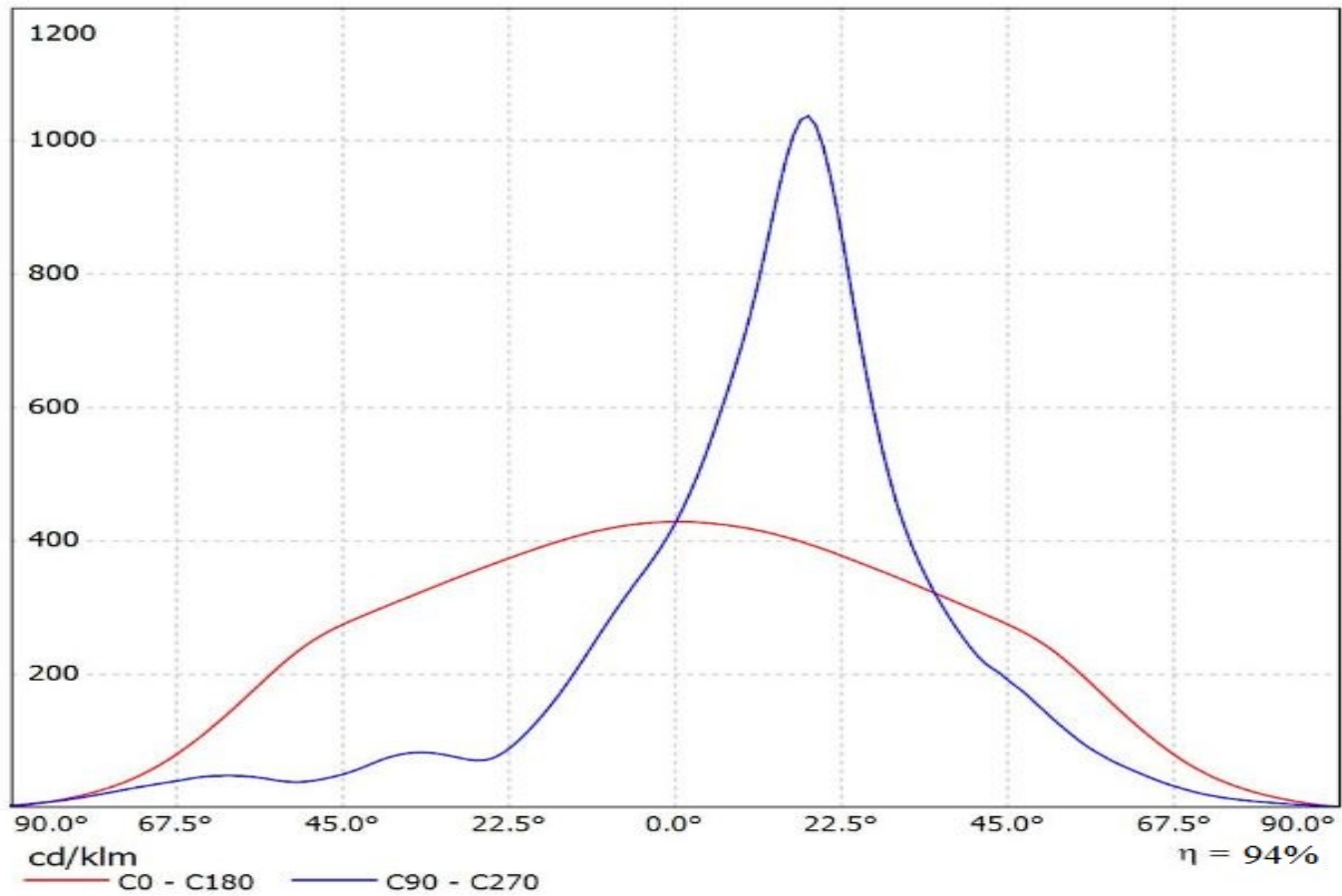
Lamps: 1 x Samsung_LM301A_x11_(SPMWHT328FD5WAT0S0)_1107.77lm@250mA_P=8.1W_I=0.25A



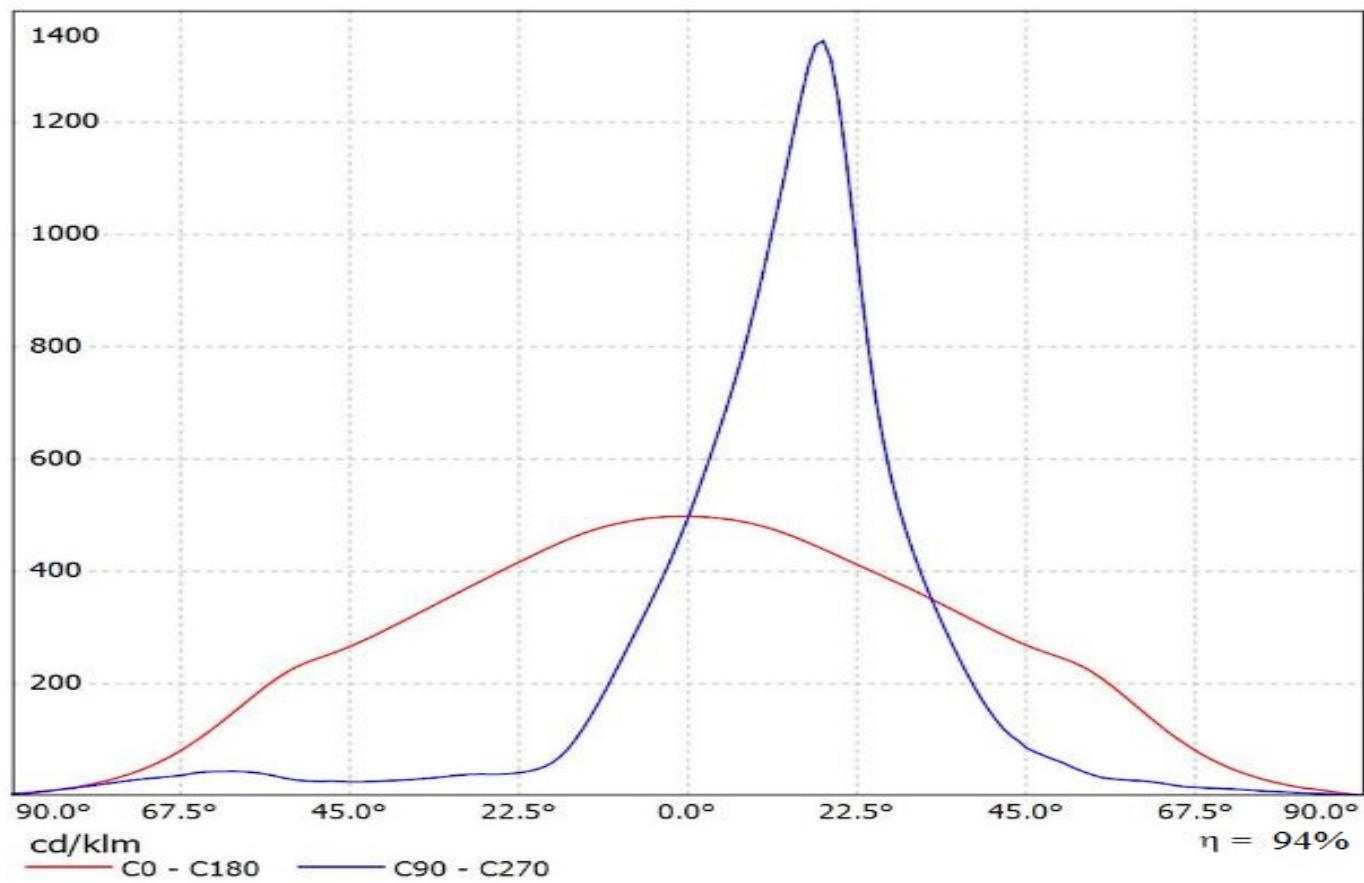
Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(3014_x22)
Lamps: 1 x Luxeon_3014_x22_(L130-5080)_283.51lm@60mA_P=1.9087W_I=0.060mA



Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(3535L_x22)
Lamps: 1 x Luxeon_3535L_x22_(MXA8-PW50)_507.681lm@100mA_P=2.9953W_I=0.100mA



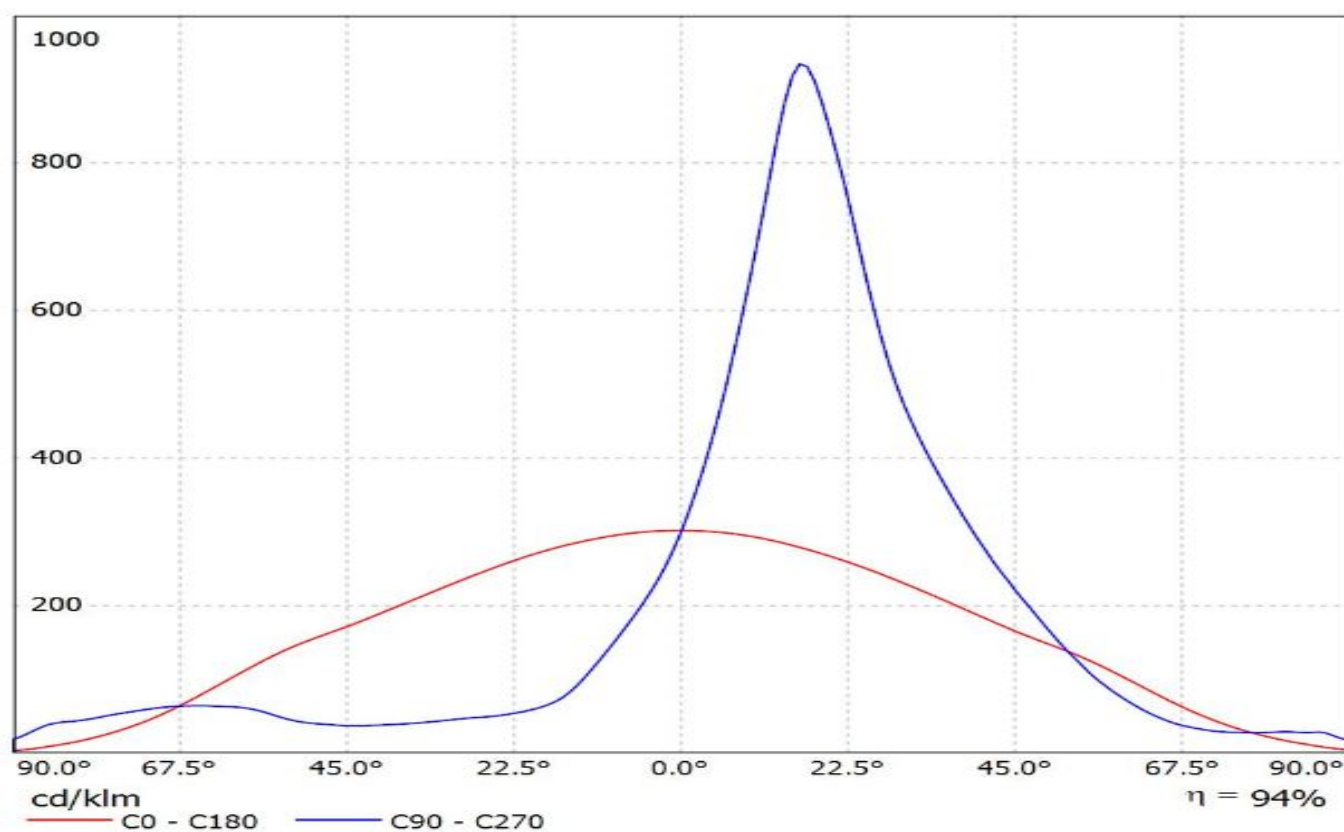
Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(3020)
Lamps: 1 x Luxeon_3020_x22_(L130-2780)_488.066lm@120mA_P=3.7731W_I=0.120mA



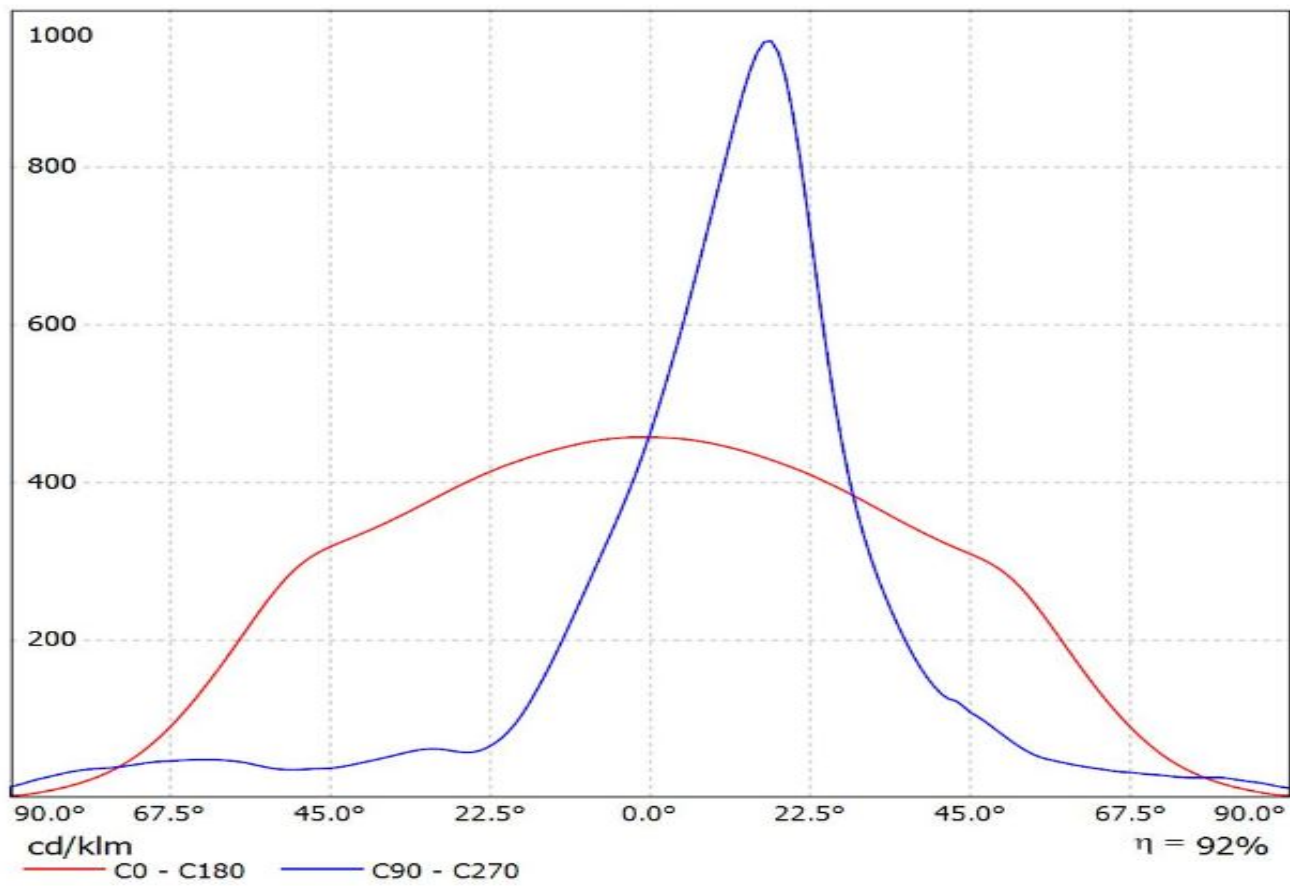
Ledil F14344_FLORENCE-1R-ZT2_(CALGD0414-M8W1) / LDC (Linear)

Luminaire: Ledil F14344_FLORENCE-1R-ZT2_(CALGD0414-M8W1)

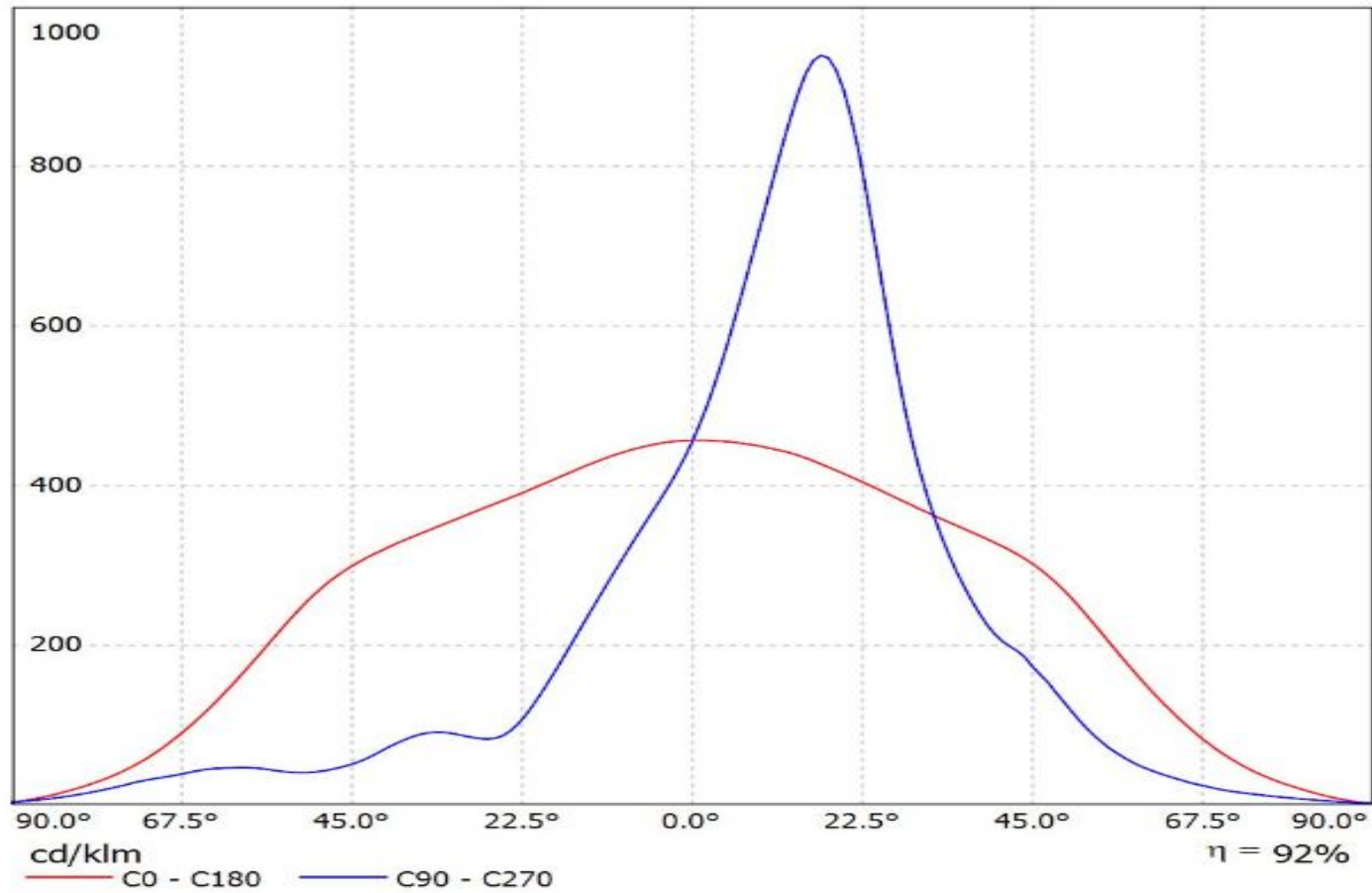
Lamps: 1 x Citizen_CALGD0414-M8W1_556.672lm@350mA_P=4.0291W_I=0.3499A



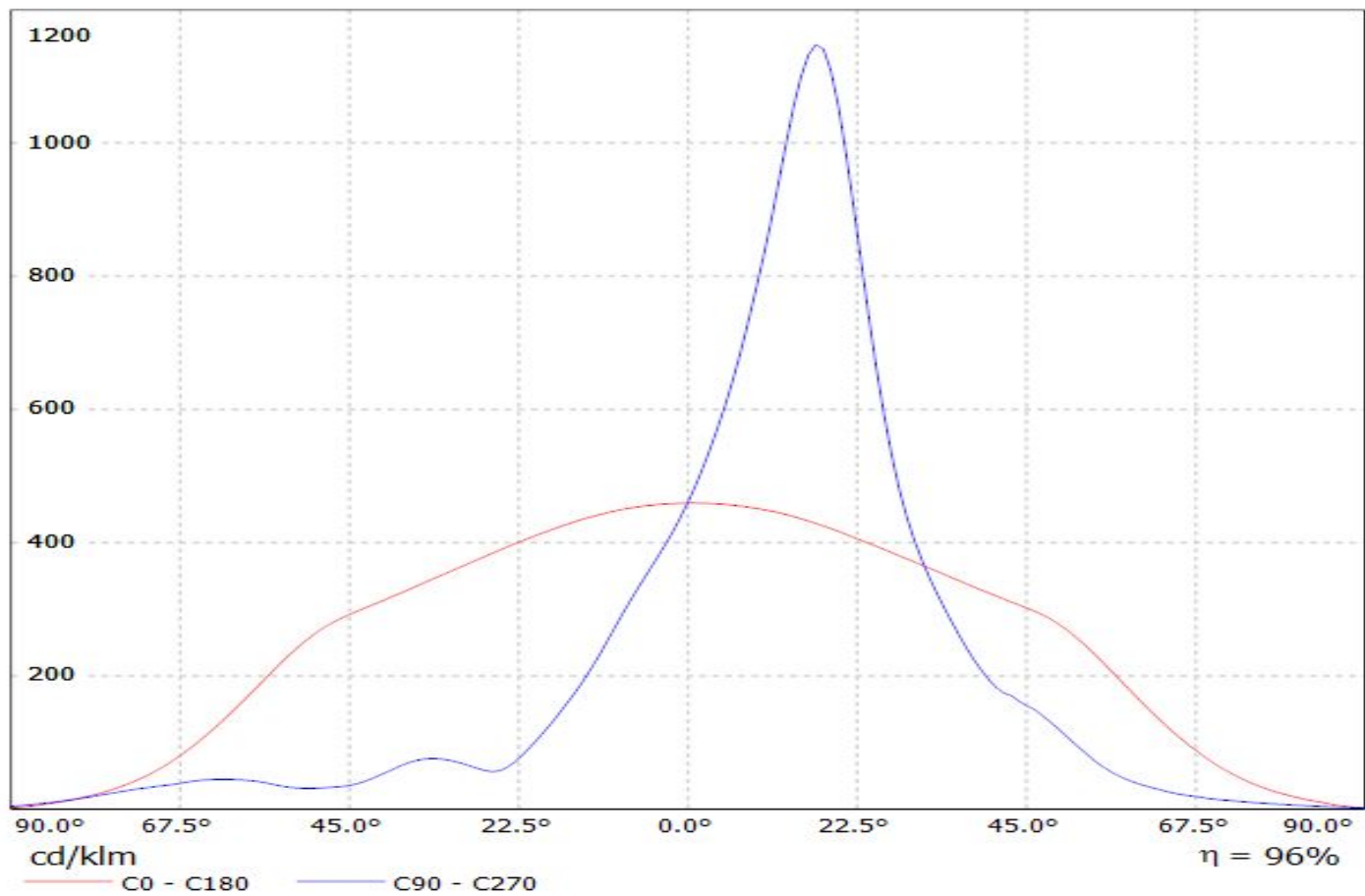
Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(CALGD0814-M17W1)
Lamps: 1 x Citizen_(CALGD0814-M17W1)_1061lm@350mA_P=7.96302W_I=0.3499A



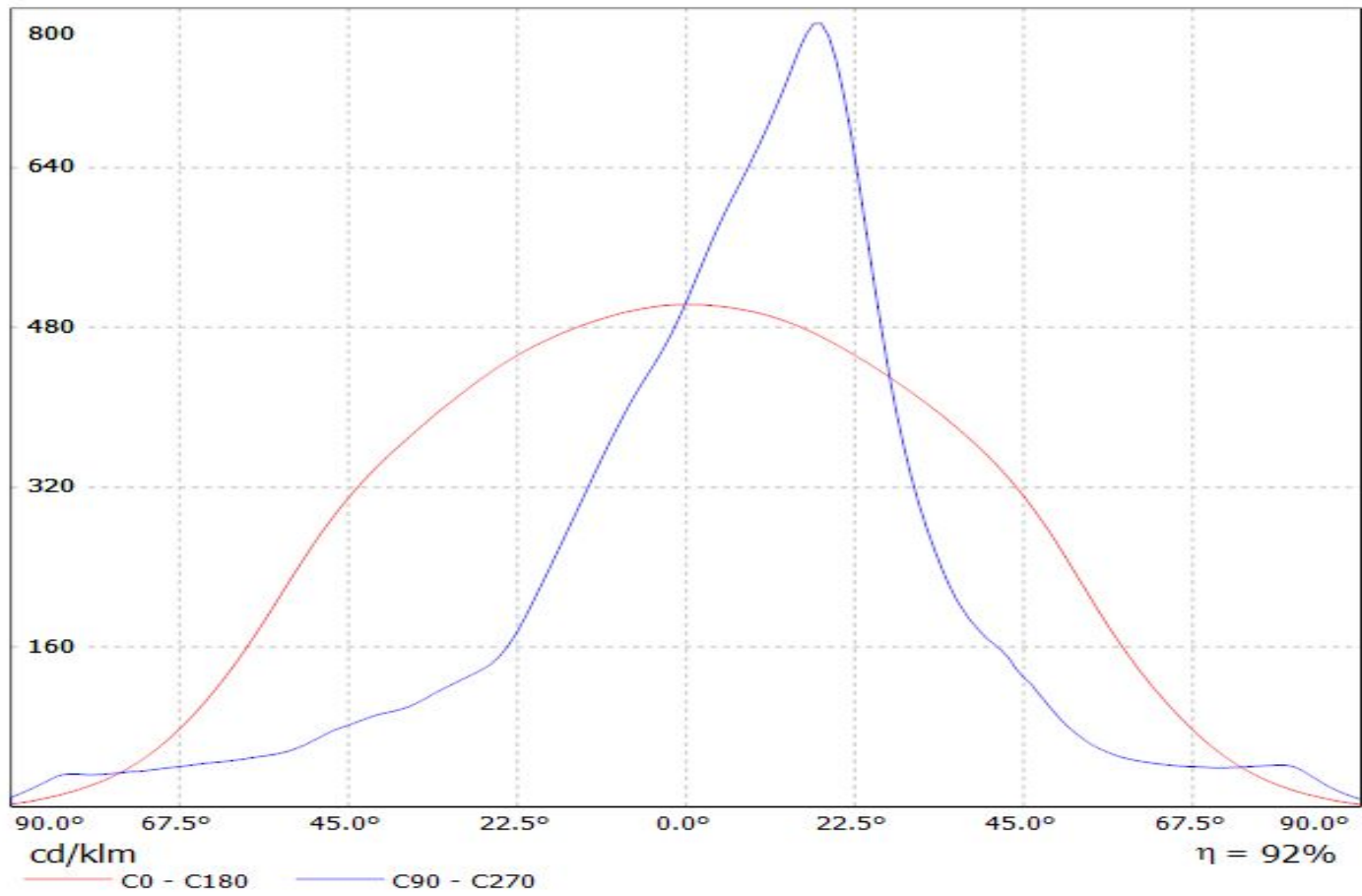
Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(NF2W757G)
Lamps: 1 x NF2W757G_377.885lm@65mA_CCT=?K_P=1.97W_I=0.065A



Luminaire: LEDiL Oy F14344_FLORENCE-1R-ZT25_(LM561C)
Lamps: 1 x Samsung_LM561C_685.154lm@130mA_P=3.9367W_I=0.130A

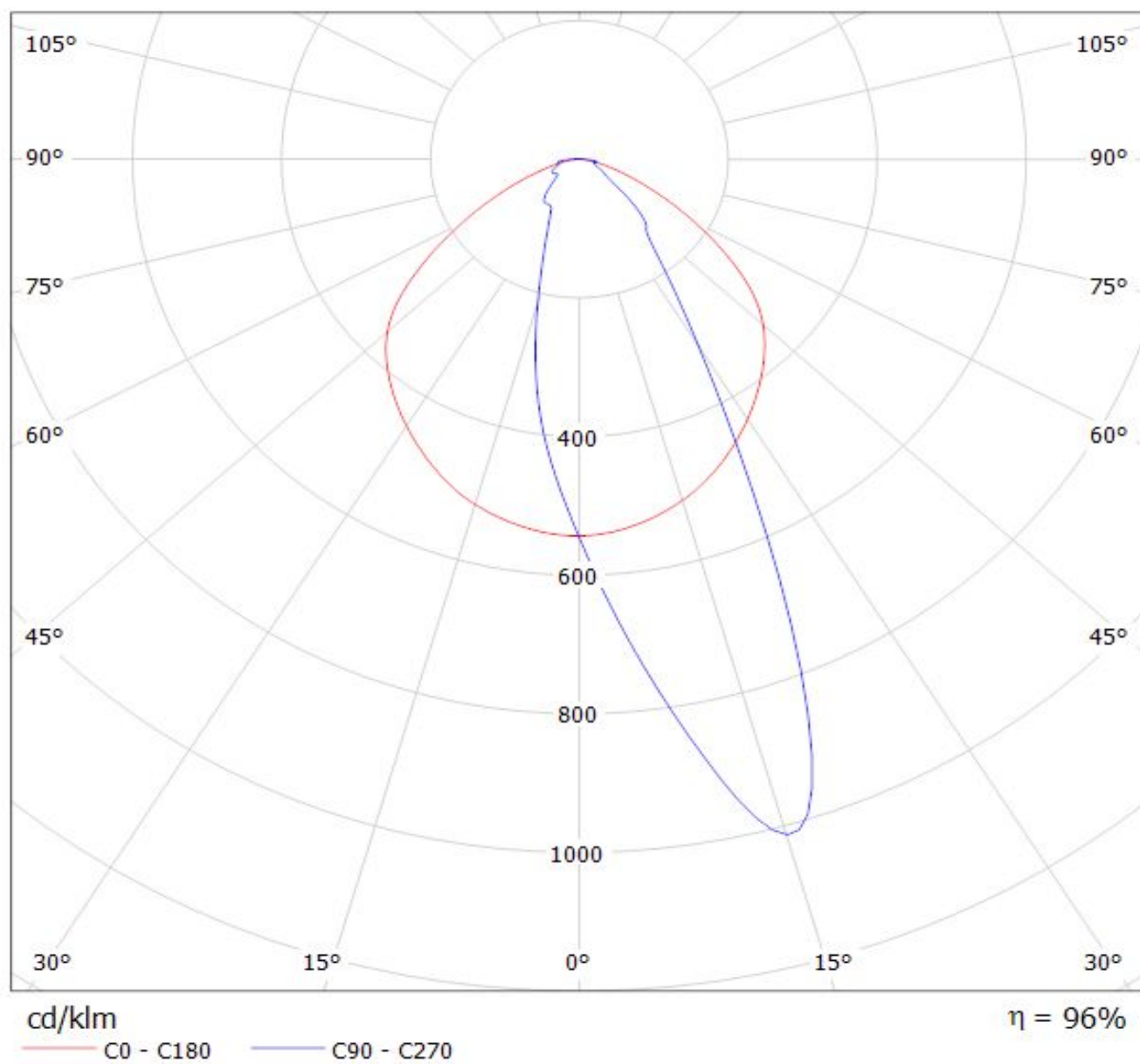


Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(CeZos)
Lamps: 1 x CeZos_(L0-280024-xxx-C0800-L267)_1346.29lm@250mA_CCT=3000K_P=8.5017W_I=0.25A



Luminaire: LEDiL Oy F14344_FLORENCE-1R-ZT25_1

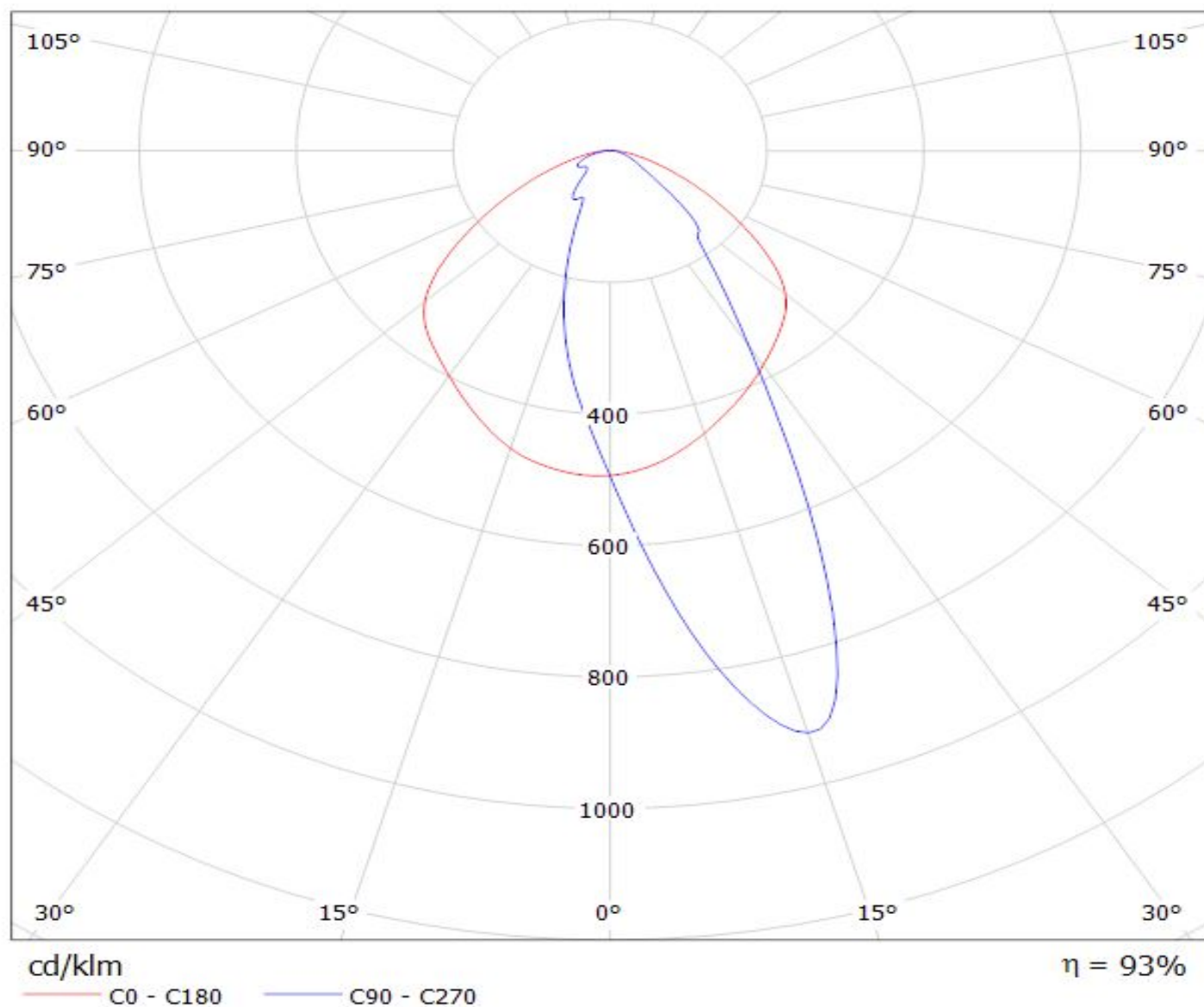
Lamps: 1 x FORTIMO-1R_PCB_1063.12lm@250mA_P=8.02029W_I=249.9mA



Ledil F14344_FLORENCE-1R-ZT25_(Duris_S5) / LDC (Polar)

Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(Duris_S5)

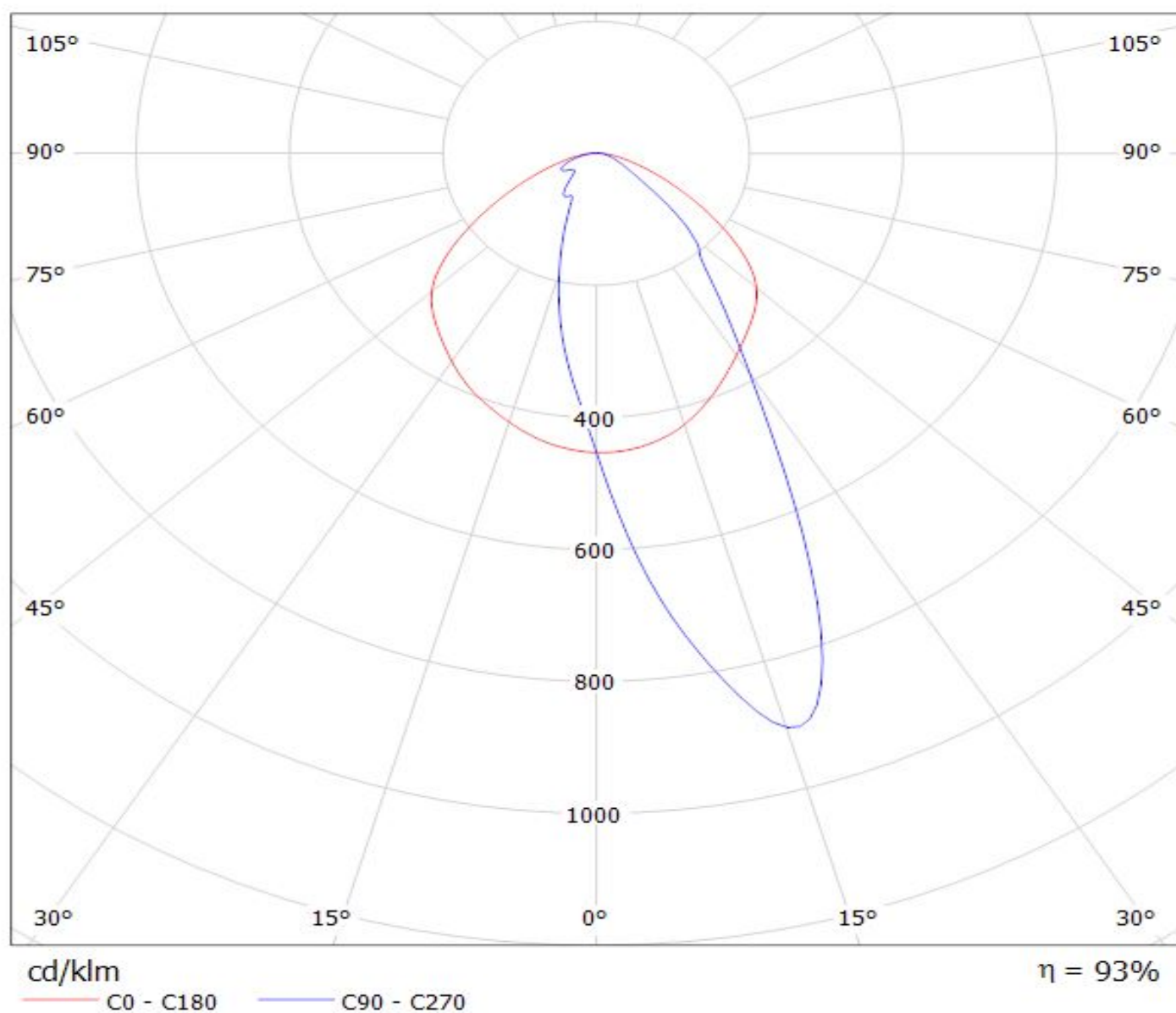
Lamps: 1 x Osram_Duris_S5_x11_(GW_PSLRS1.EC-LQLS-5H7I-1)
_1016.86lm@100mA_P=8W_I=0.1000A



Ledil F14344_FLORENCE-1R-ZT25_(NF2x757D) / LDC (Polar)

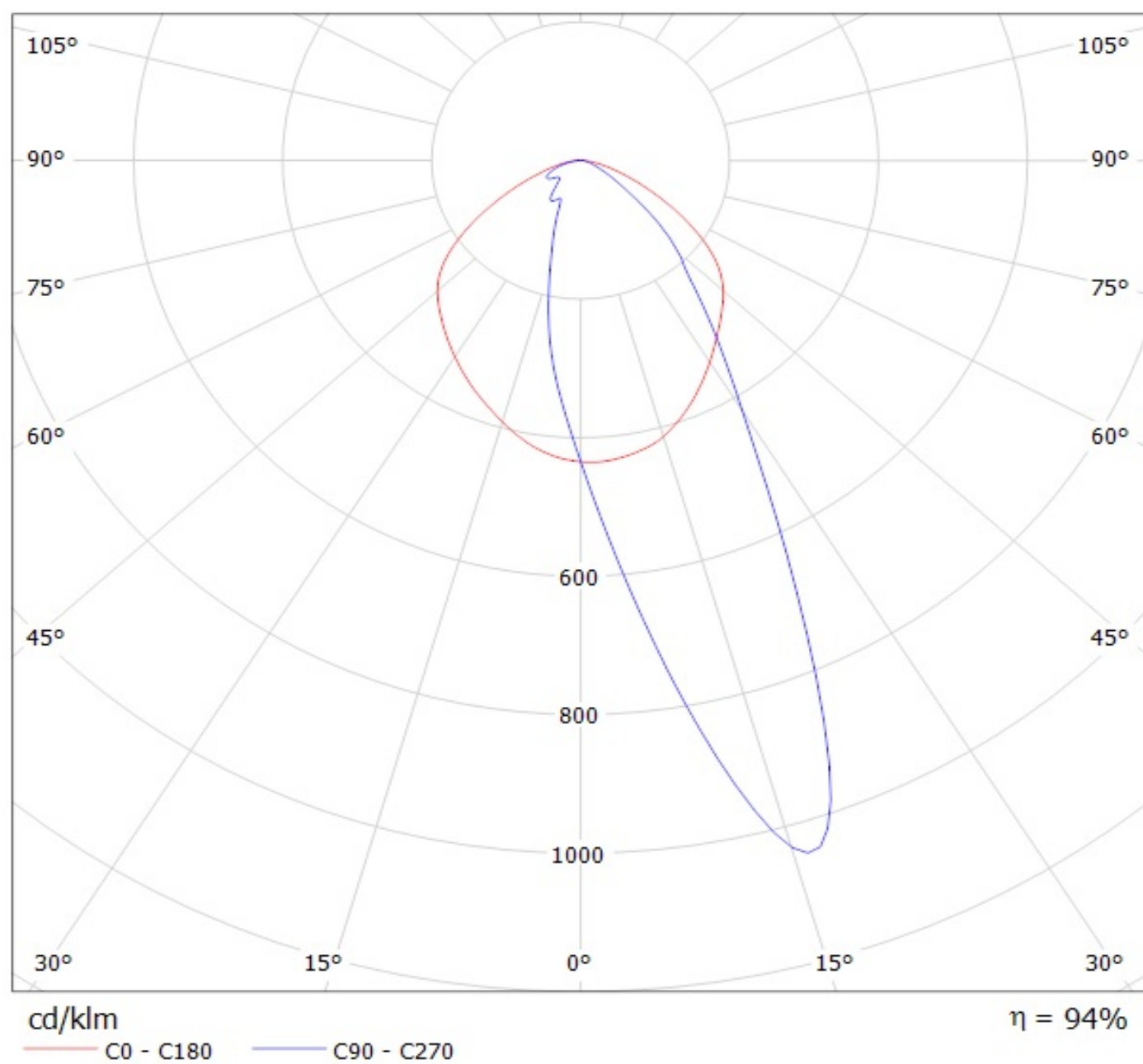
Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(NF2x757D)

Lamps: 1 x Nichia_NF2x757D_2chip_x22 (NF2W757DRT)_2050.61lm@200mA_P=12.95W_I=0.2A



Luminaire: LEDiL Oy F14344_FLORENCE-1R-ZT25_(LM302A)

Lamps: 1 x Samsung_LM302A_865.46lm@100mA_P=6.64694W_I=0.1001A

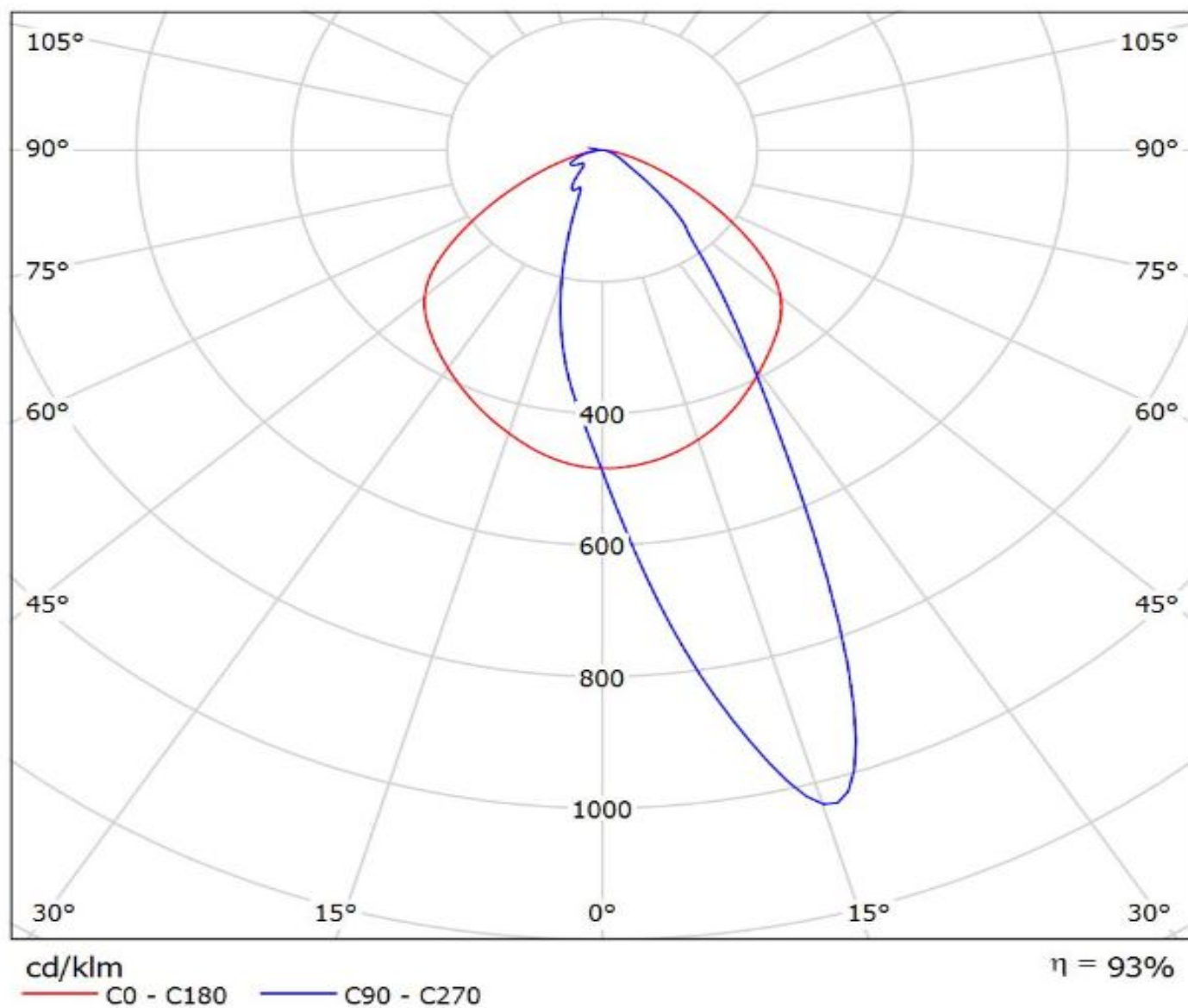


Ledil F14344_FLORENCE-1R-ZT25_(Luxeon_3030_2D) / LDC (Polar)

Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(Luxeon_3030_2D)

Lamps: 1 x Luxeon_3030_2D_x22_(L130-4080003000W21)

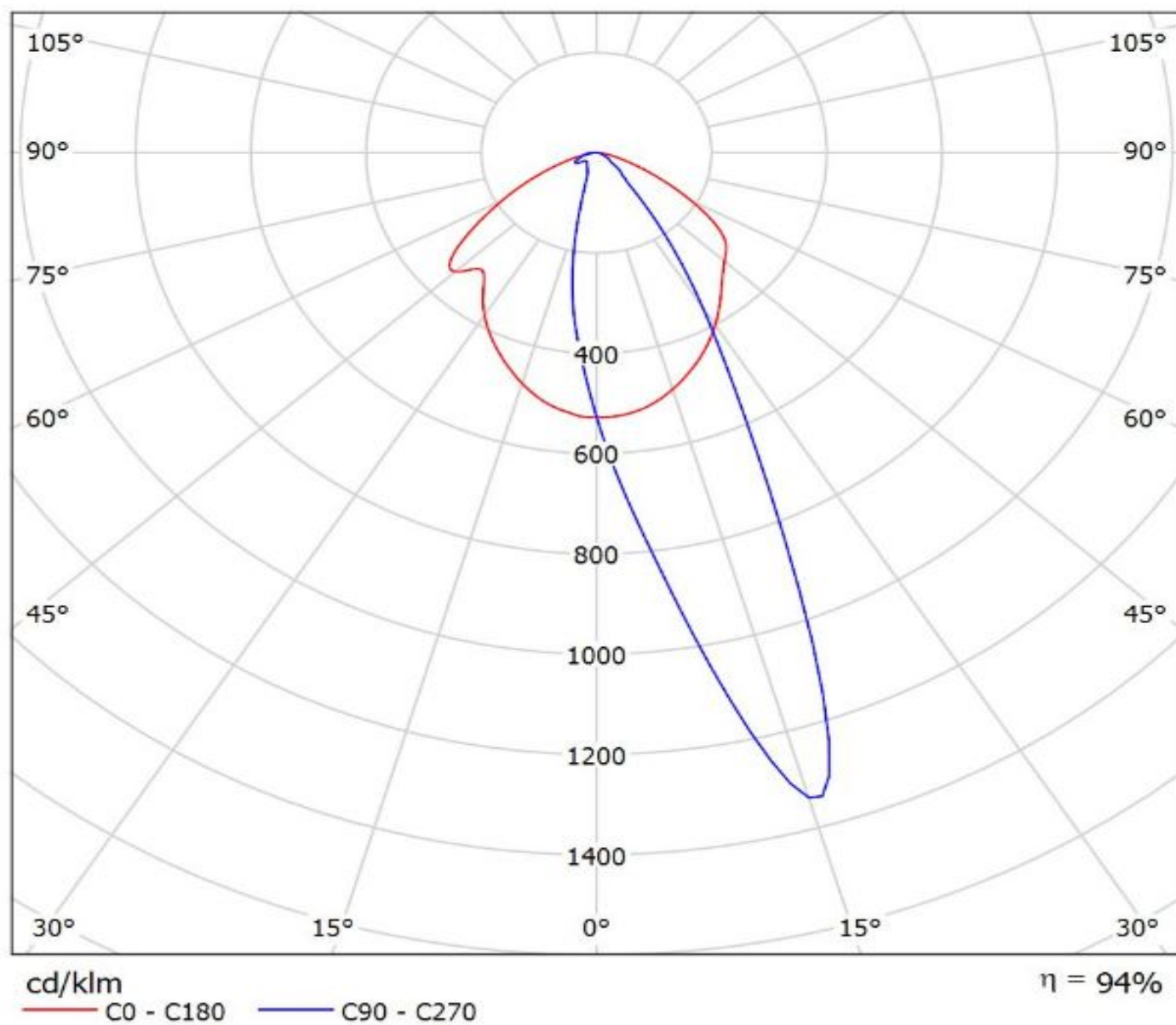
_1601.44lm@200mA_CCT=4000K_P=12.8W_I=0.2A



Ledil F14344_FLORENCE-1R-ZT25_(Luminus_MP-2016) / LDC (Polar)

Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(Luminus_MP-2016)

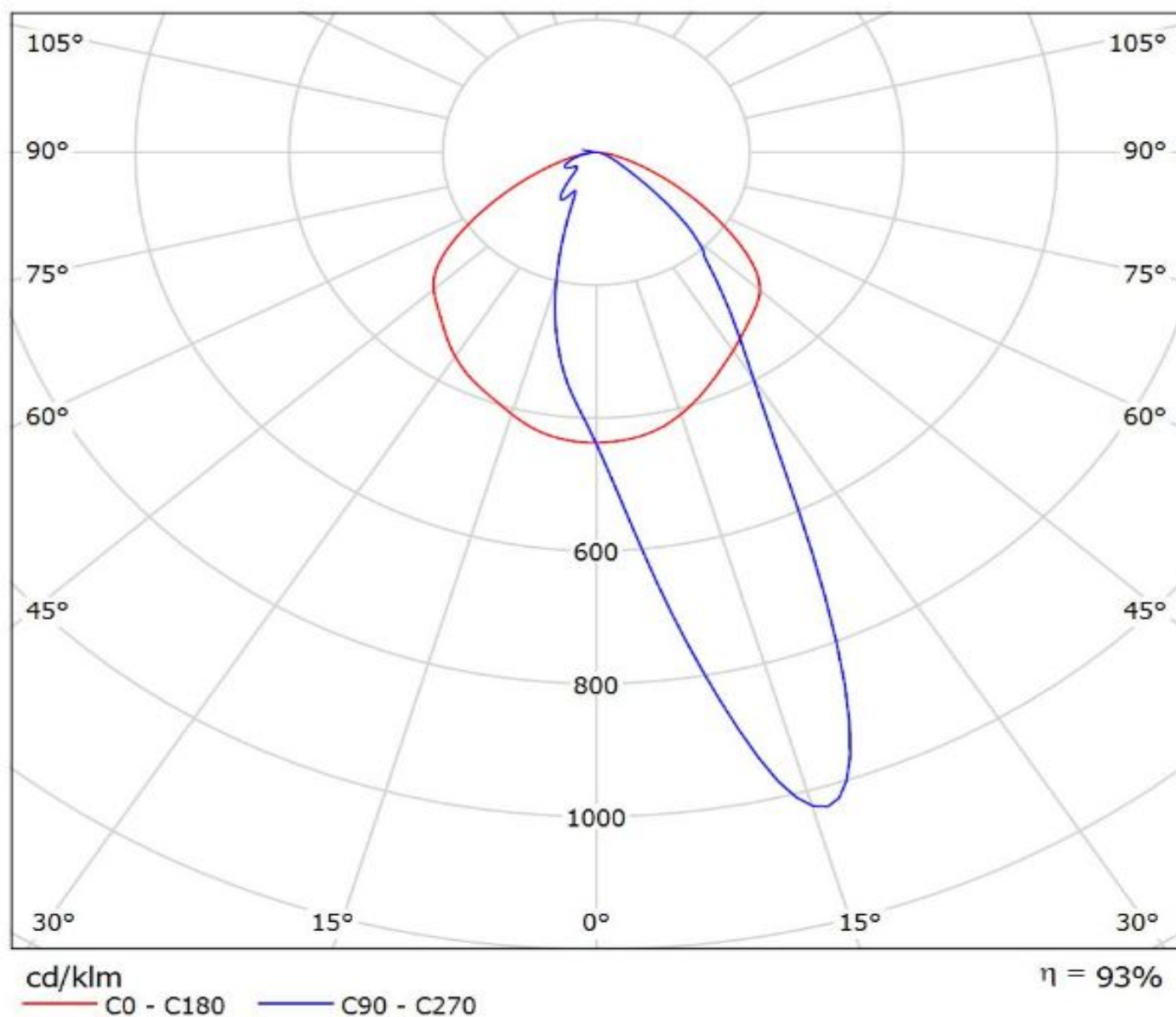
Lamps: 1 x Luminus_MP-2016_1x22_(LUMMP-1100-30-80)_471.904lm@120mA_P=4W_I=0.12A



Ledil F14344_FLORENCE-1R-ZT25_(Seoul_3030) / LDC (Polar)

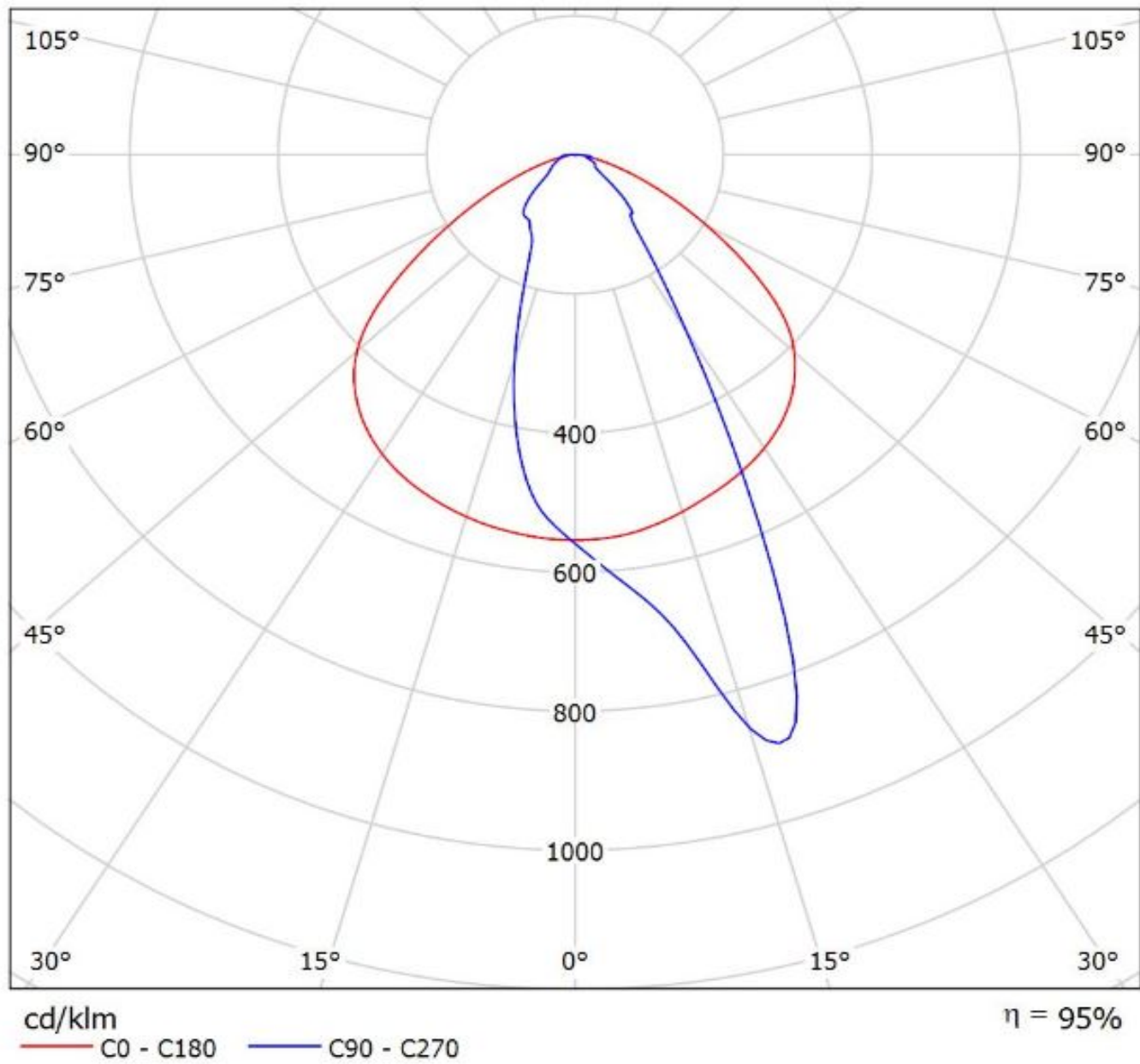
Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(Seoul_3030)

Lamps: 1 x Seoul_3030_x11_(STW8C2SA)_785.296lm@100mA_P=6.5W_I=0.1A



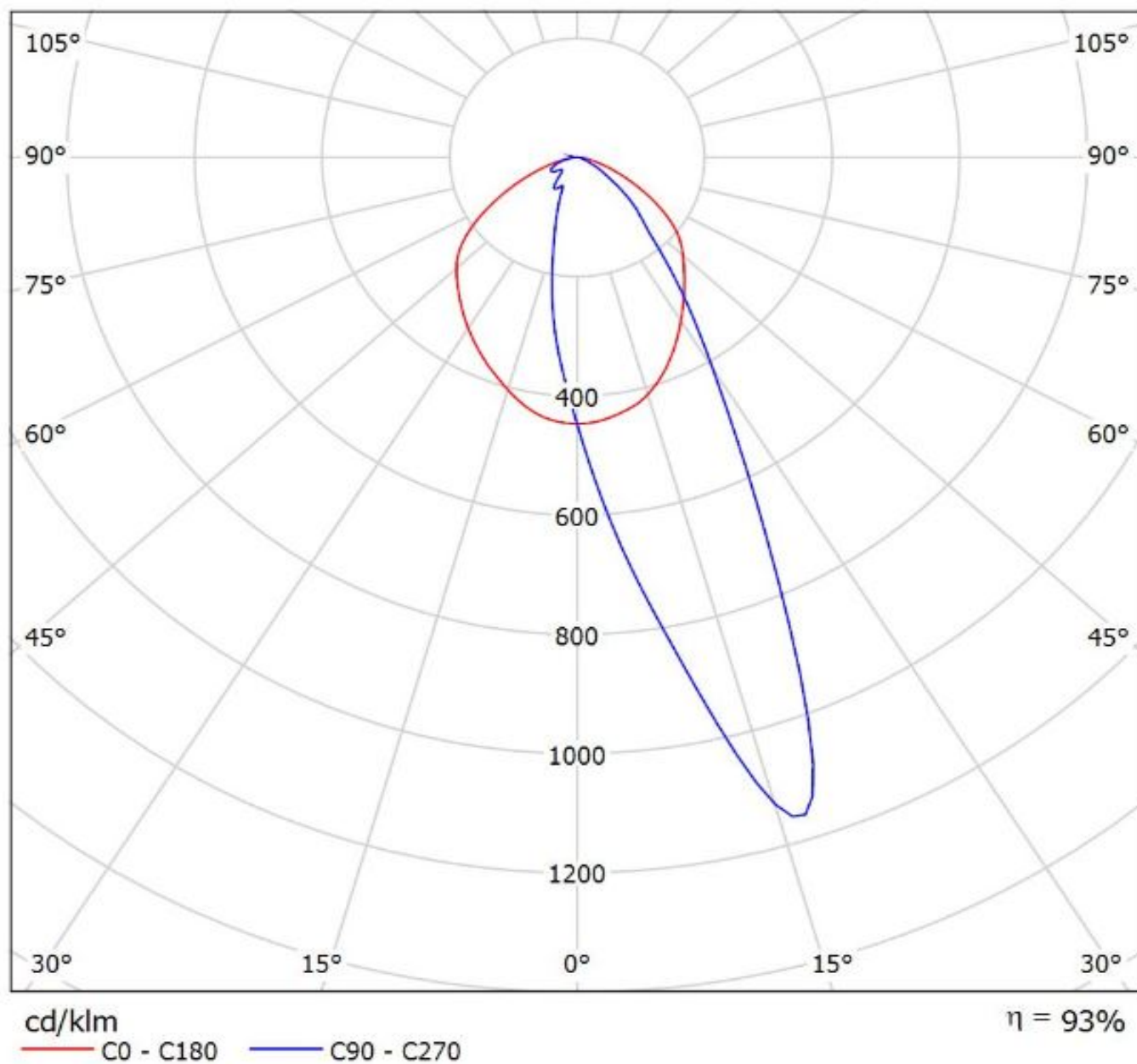
Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(LT-S282N)

Lamps: 1 x Samsung SI-B8T071280LD_LM5618+_1401.55lm@250mA_P=9.185W_I=0.25A



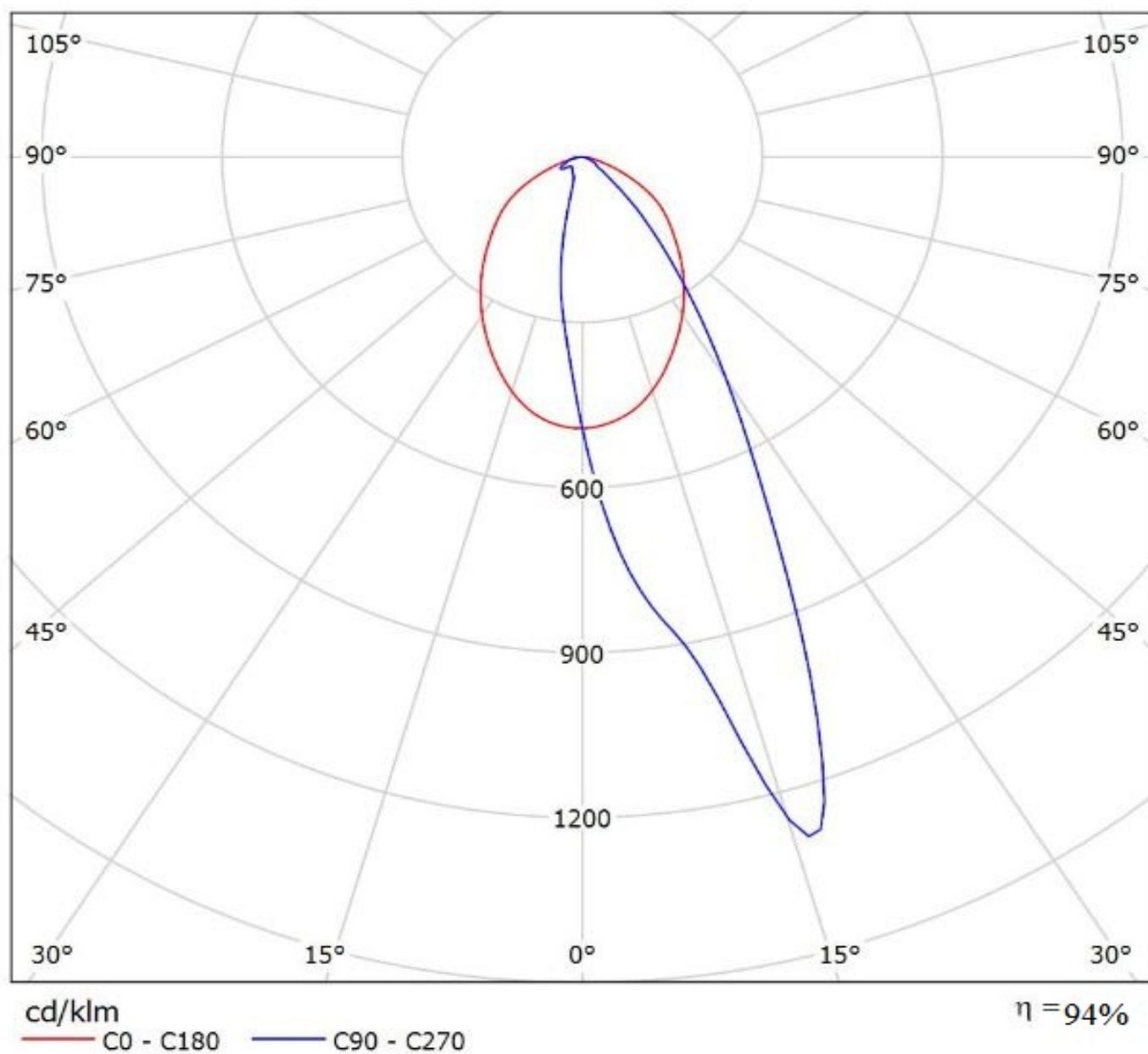
Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(LM301A)

Lamps: 1 x Samsung_LM301A_x11_(SPMWHT328FD5WAT0S0)_1107.77lm@250mA_P=8.1W_I=0.25A



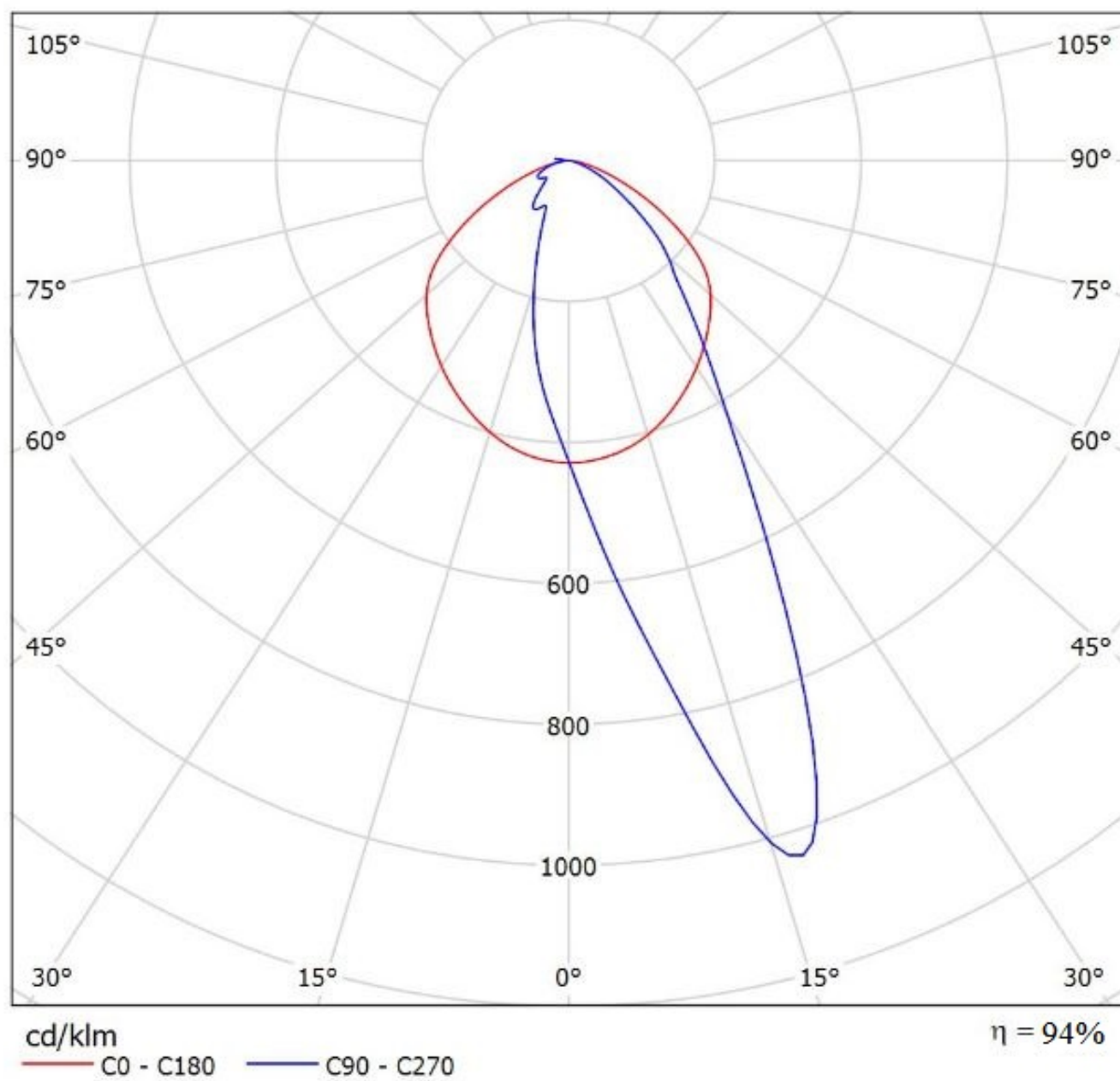
Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(3014_x22)

Lamps: 1 x Luxeon_3014_x22_(L130-5080)_283.51lm@60mA_P=1.9087W_I=0.060mA



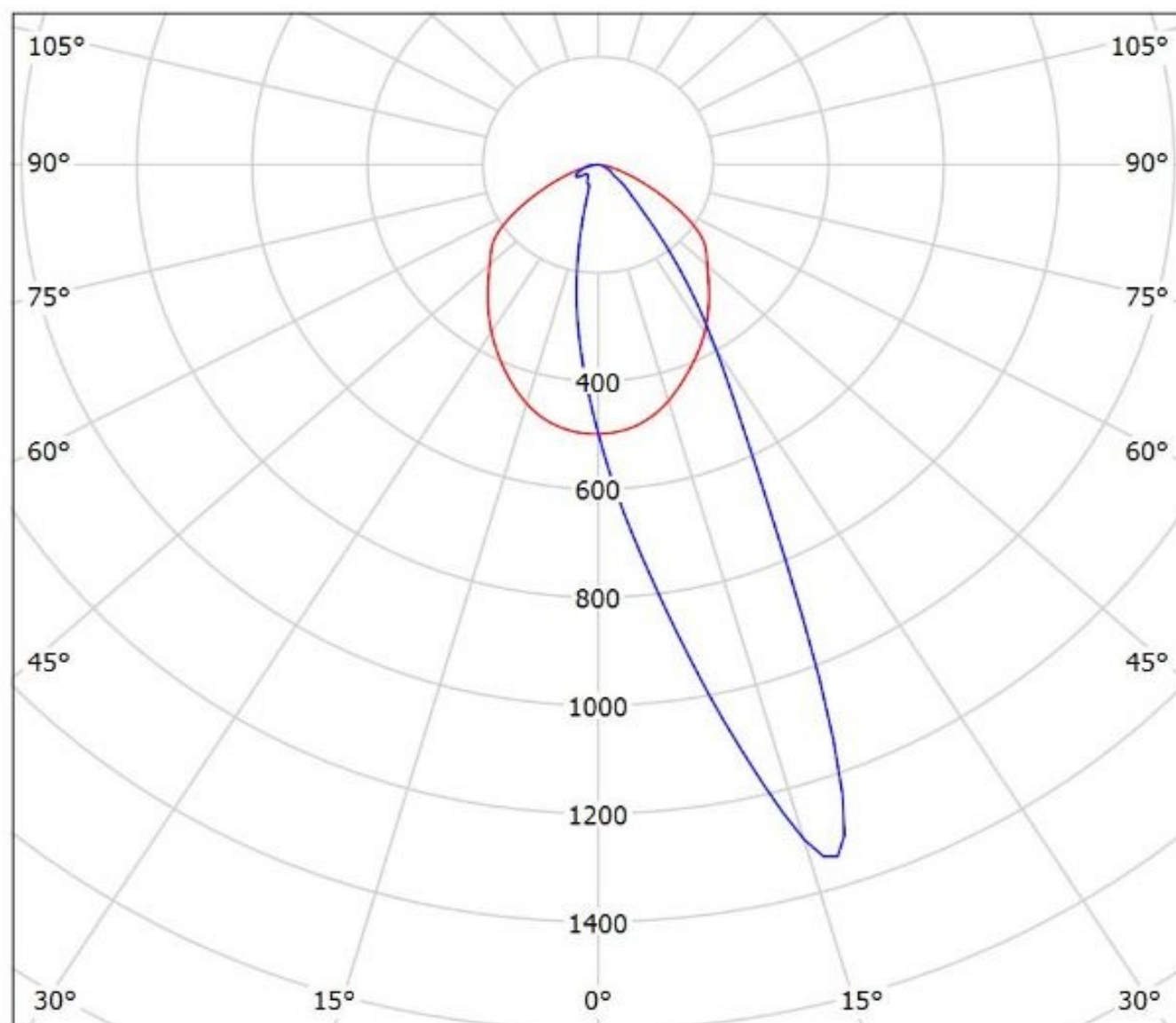
Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(3535L_x22)

Lamps: 1 x Luxeon_3535L_x22_(MXA8-PW50)_507.68lm@100mA_P=2.9953W_η=0.100mA



Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(3020)

Lamps: 1 x Luxeon_3020_x22_(L130-2780)_488.066lm@120mA_P=3.7731W_I=0.120mA



$\eta = 94\%$

cd/klm

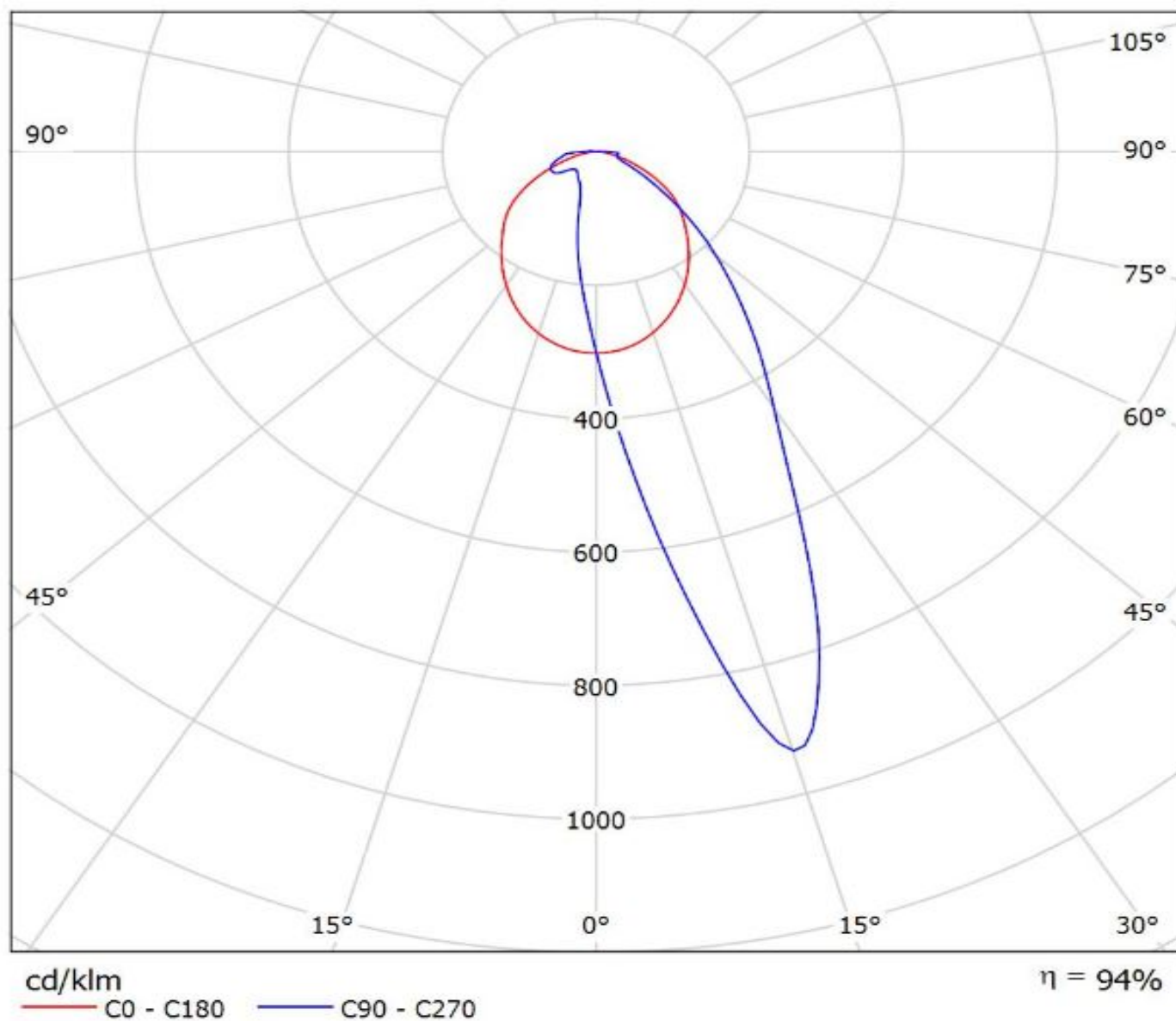
C0 - C180

C90 - C270

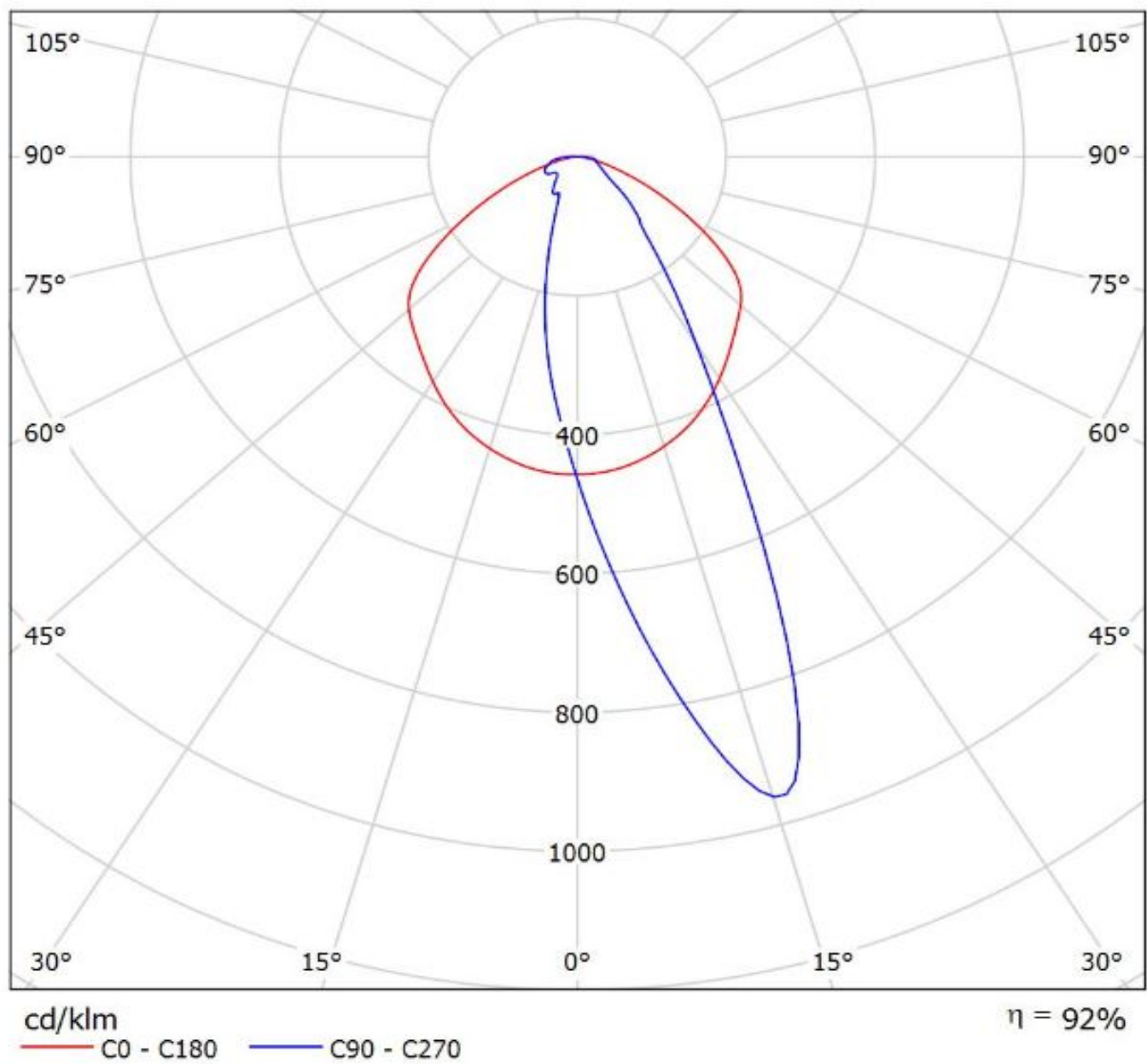
Ledil F14344_FLORENCE-1R-ZT2_(CALGD0414-M8W1) / LDC (Polar)

Luminaire: Ledil F14344_FLORENCE-1R-ZT2_(CALGD0414-M8W1)

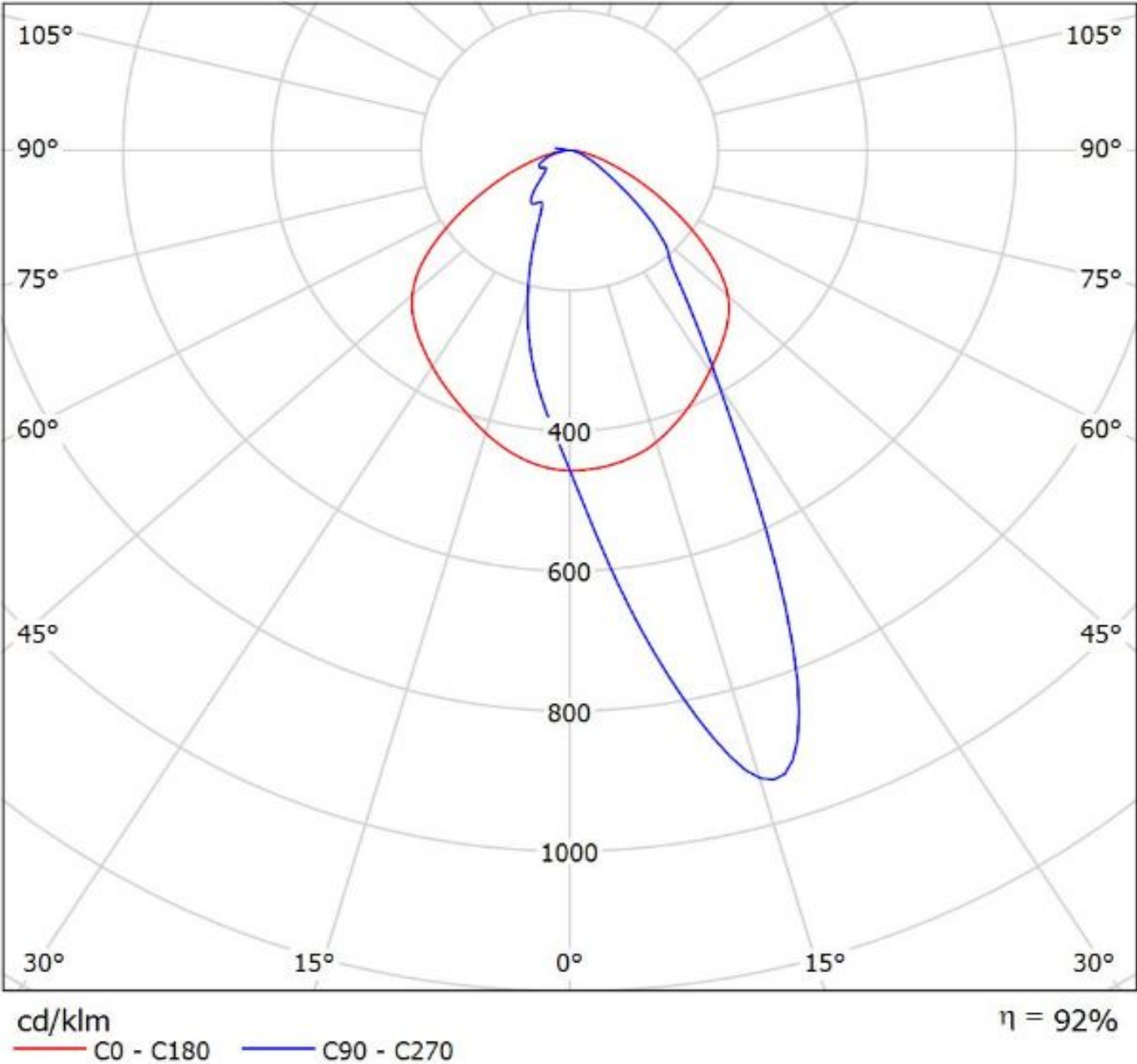
Lamps: 1 x Citizen_CALGD0414-M8W1_556.672lm@350mA_P=4.0291W_I=0.3499A



Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(CALGD0814-M17W1)
Lamps: 1 x Citizen_(CALGD0814-M17W1)_1061lm@350mA_P=7.96302W_I=0.3499A

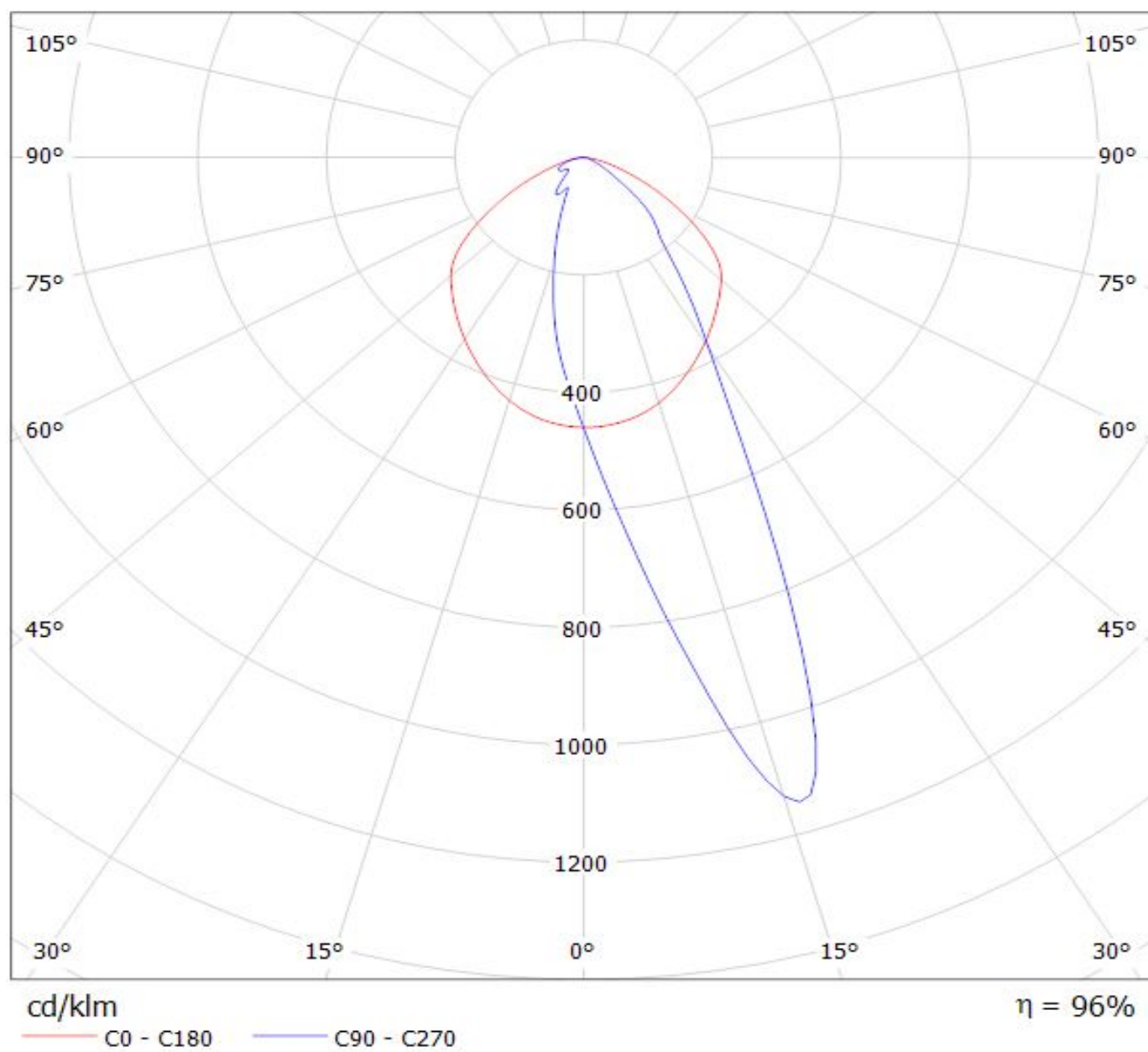


Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(NF2W757G)
Lamps: 1 x NF2W757G_377.885lm@65mA_CCT=?K_P=1.97W_I=0.065A

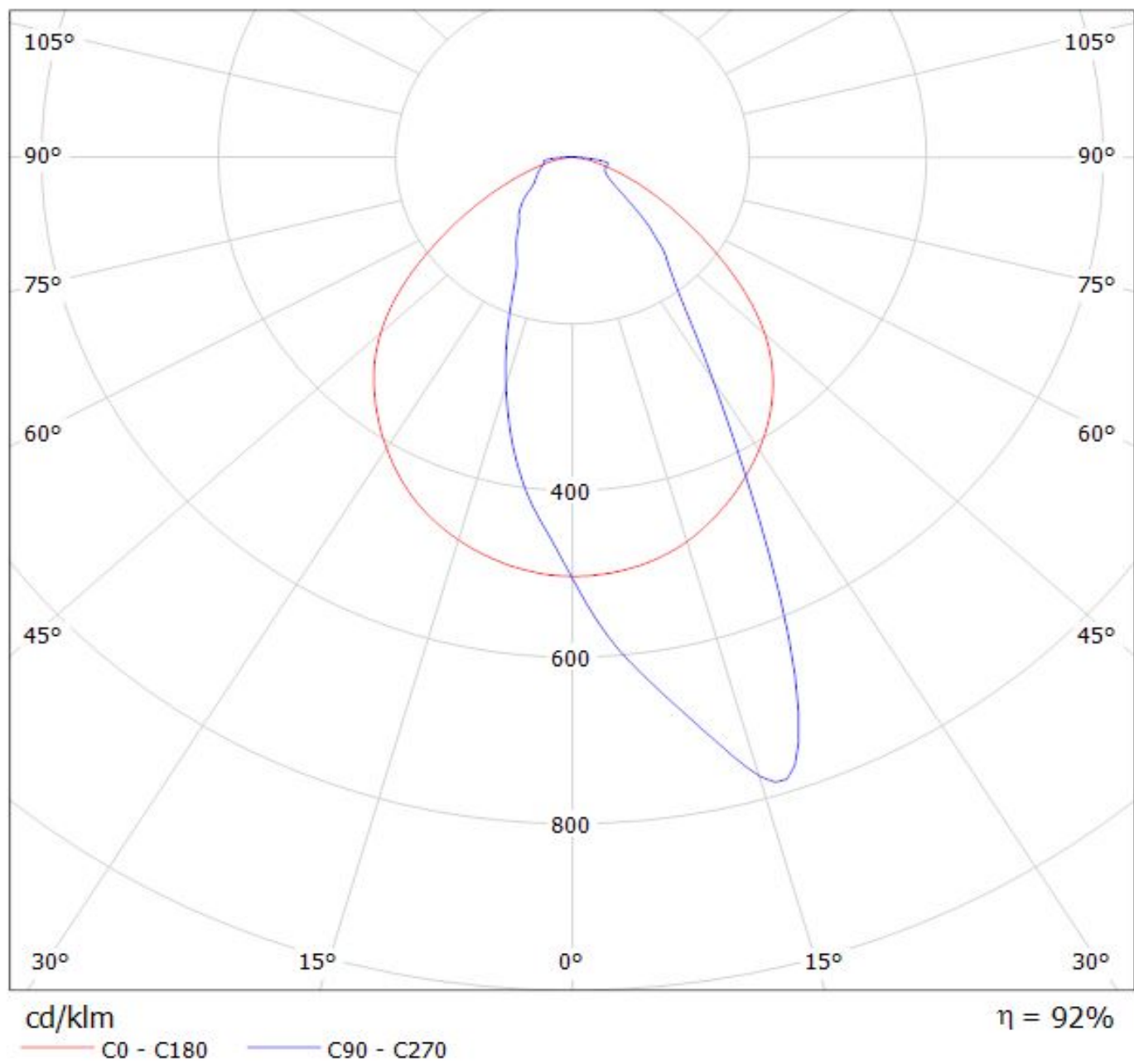


Luminaire: LEDiL Oy F14344_FLORENCE-1R-ZT25_(LM561C)

Lamps: 1 x Samsung_LM561C_685.154lm@130mA_P=3.9367W_I=0.130A



Luminaire: Ledil F14344_FLORENCE-1R-ZT25_(CeZos)
Lamps: 1 x CeZos_(L0-280024-xxx-C0800-L267)_1346.29lm@250mA_CCT=3000K_P=8.5017W_I=0.25A



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.

GENERAL INFORMATION

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.
http://www.ledil.com/datasheets/DataSheet_GLUES.pdf

NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the glue.

NOTE 2: All surfaces where glue is applied must be clean, dry and free from grease and dirt. If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer -this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.