

DETAILS

Product Number	F14304_FLORENCE-1R-Z90
Family	Florence
Type	Lens
Color	clear
Diameter	19,5 x 286 mm
Height	7 mm
Style	rectang
Optic Material	PMMA
Holder Material	
Fastening	clips
Status	production ready
ROHS Compliant	Yes
Date Updated	26/01/2017



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
LO-280024-xxx-C0800-L267	88+106 deg	WWW-class	92 %	0.400	-
XH-B/G	97+117 deg	WWW-class	90 %	0.350	-
LUXEON 3535 2D	92+110 deg	WWW-class	93 %	0.390	-
LUXEON 3030 2D	88+108 deg	WWW-class	92 %	0.420	-
LUXEON 3014	91+109 deg	WWW-class	94 %	0.420	-
LUXEON 3535L	92+109 deg	WWW-class	94 %	0.410	-
LUXEON 3020	89+108 deg	WWW-class	94 %	0.430	-
MP-2016	89+108 deg	WWW-class	93 %	0.420	-
NF2x757D	90+110 deg	WWW-class	93 %	0.400	-
NF2x757G	90+108 deg	WWW-class	92 %	0.400	-
Duris S5 (2 chip)	90+113 deg	WWW-class	94 %	0.400	-
Duris E 2835	sim: 94+106	WWW-class	sim: 93 %	sim: 0.390	-
Fortimo LED Line 1ft 1100lm xx0 1R xV250V	90+110 deg	WWW-class	94 %	0.410	-
Fortimo LED Line 1ft 1100lm xx0 1R xV250V	90+110 deg	WWW-class	-	-	-
Fortimo LED Line 1ft 1100lm xx0 1R xV250V	90+110 deg	WWW-class	-	-	-
LM302A	90+108 deg	WWW-class	93 %	0.410	-
LM561B	91+109 deg	WWW-class	93 %	0.390	-
LM301A	89+109 deg	WWW-class	94 %	0.430	-
LT-S282N	91+109 deg	WWW-class	94 %	0.420	-
LM561C	90+110 deg	WWW-class	94 %	0.420	-
LM28xB Series	91+111 deg	WWW-class	94 %	0.420	-
SEOUL 3030	90+109 deg	WWW-class	92 %	0.410	-
SunLike 3030	103+86 deg	WWW-class	94 %	0.430	-
CALGD0414-M8W1	89+115 deg	WWW-class	93 %	0.380	-
CALGD0814-M17W1	90+114 deg	WWW-class	93 %	0.380	-



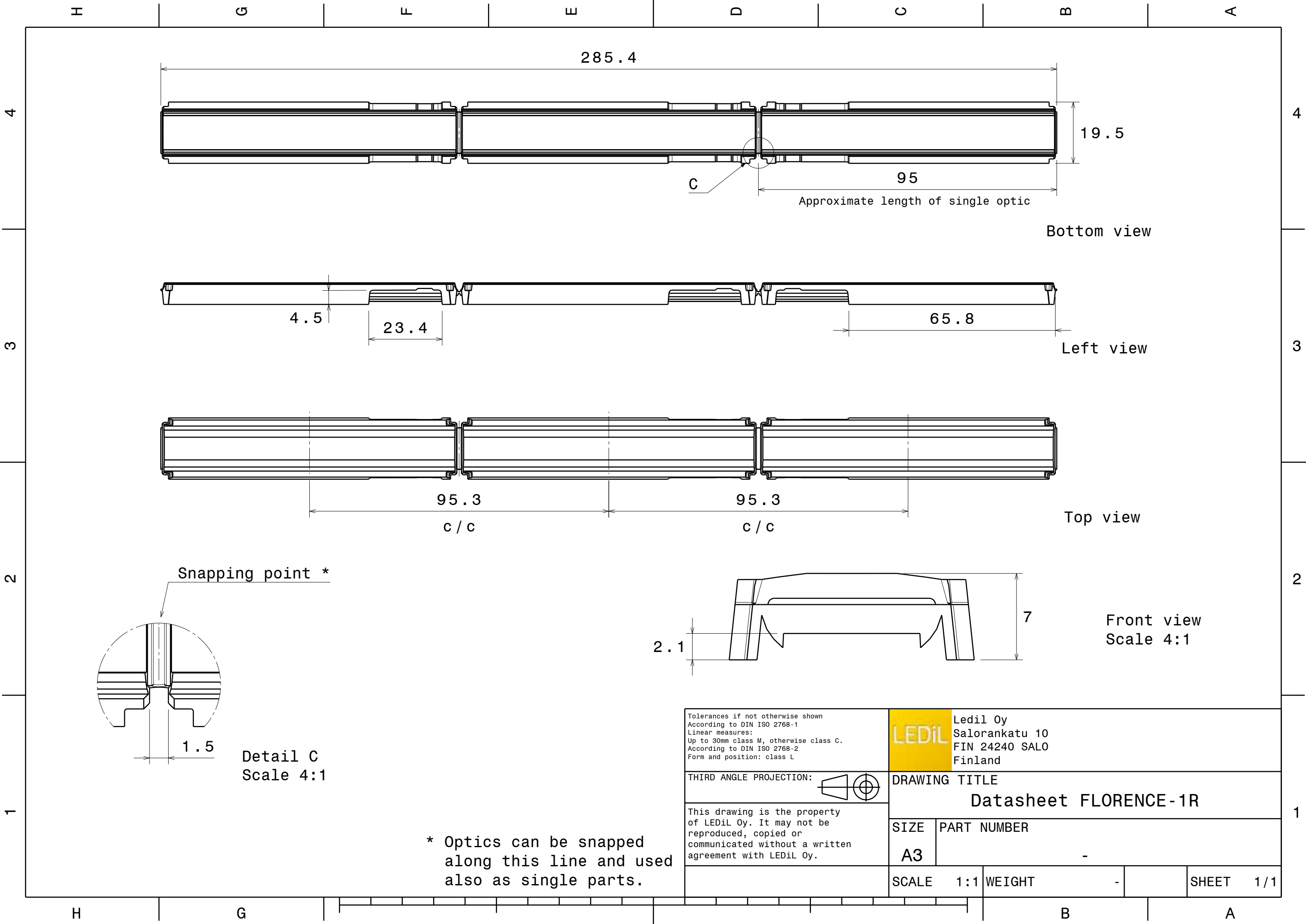
PRODUCT DATASHEET

Florence series

last update 26/1/2017

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
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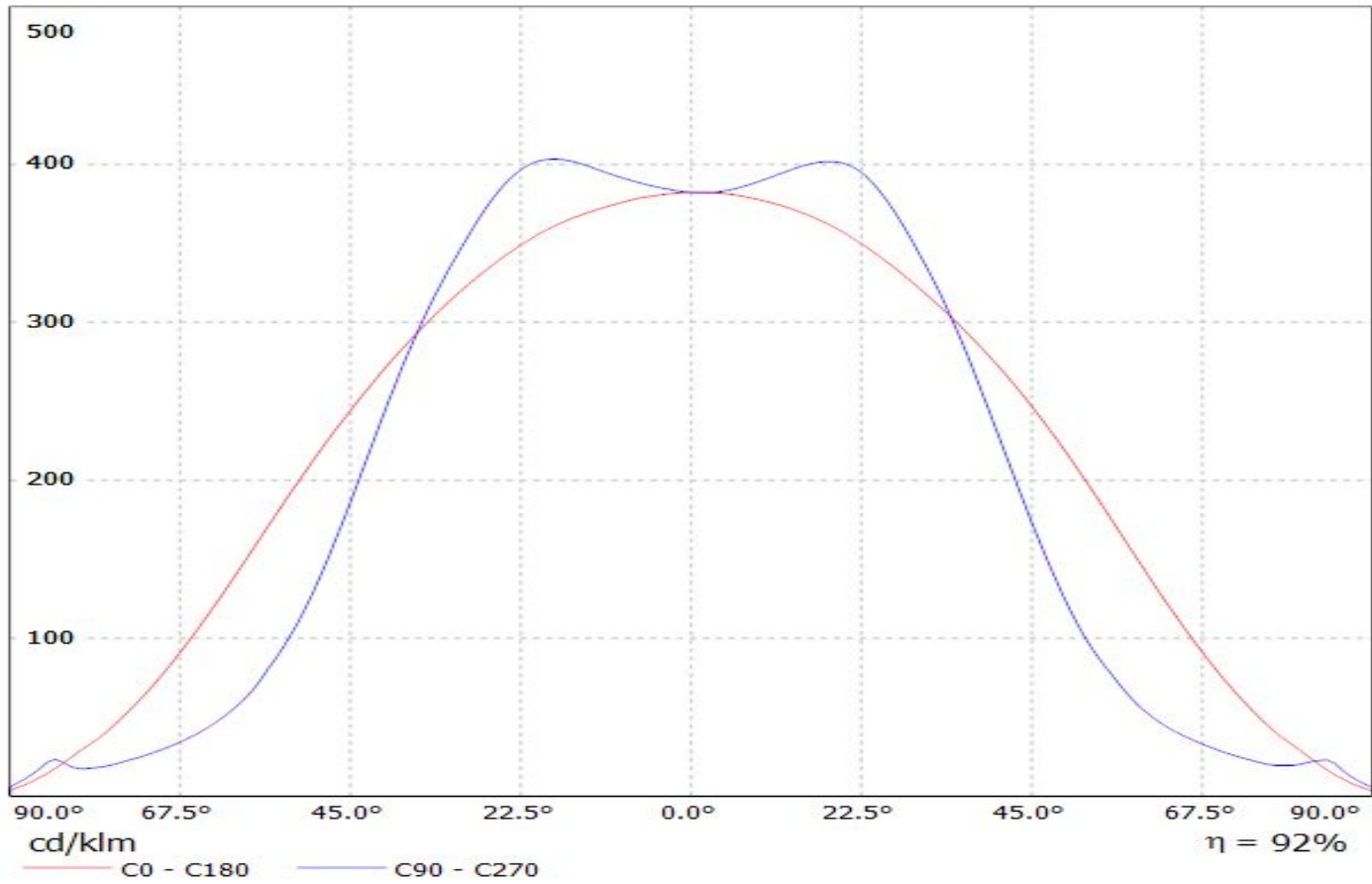
Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

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reproduced, copied or
communicated without a written
agreement with LEDiL Oy.

LEDiL		LediL Oy Salorankatu 10 FIN 24240 SALO Finland			
		DRAWING TITLE Datasheet FLORENCE-1R			
SIZE A3		PART NUMBER -			
SCALE 1:1		WEIGHT -		SHEET 1/1	

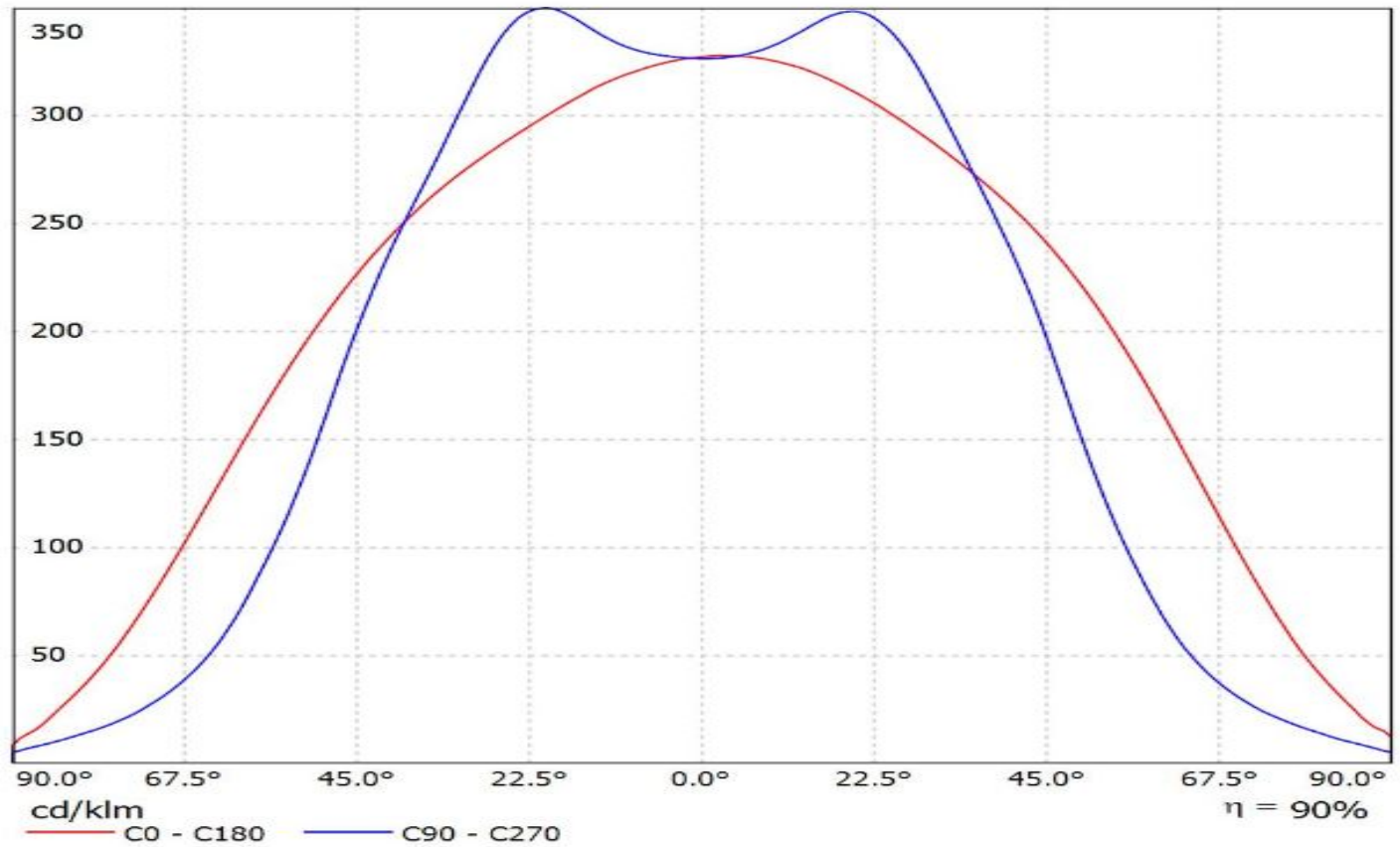
Luminaire: Ledil F14304_FLORENCE-1R-Z90_(CeZos)
Lamps: 1 x CeZos_(L0-280024-xxx-C0800-L267)_1346.29lm@250mA_CCT=3000K_P=8.5017W_I=0.25A



Ledil F14304_FLORENCE-1R-Z90_(XH-B) / LDC (Linear)

Luminaire: Ledil F14304_FLORENCE-1R-Z90_(XH-B)

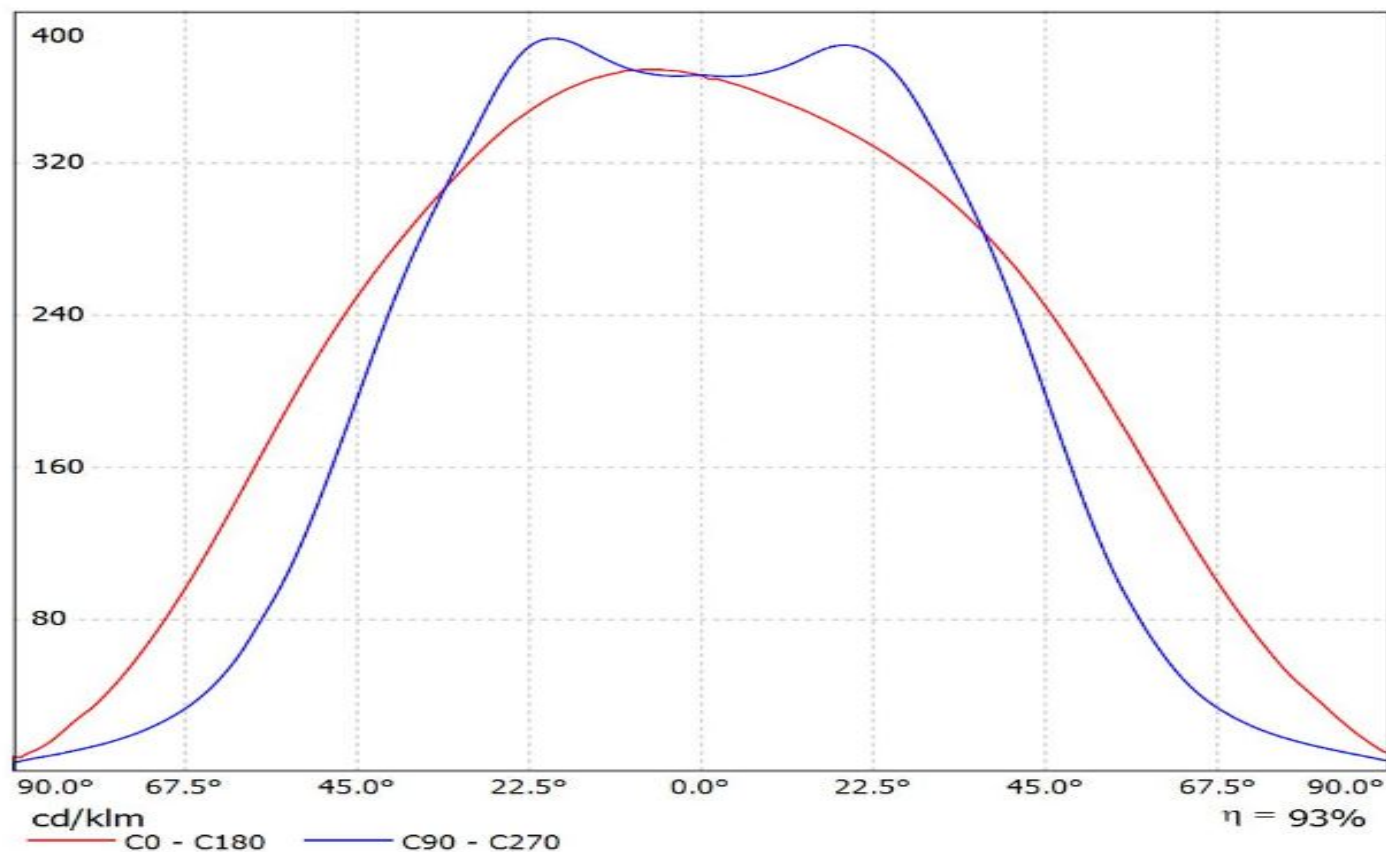
Lamps: 1 x Cree_XH-B_x22_(XHBAWT-0-7B4-J20-0H-0001)_315.848lm@65mA_P=2.11W_I=65mA



Ledil F14304_FLORENCE-1R-Z90_(Luxeon_3535_2D) / LDC (Linear)

Luminaire: Ledil F14304_FLORENCE-1R-Z90_(Luxeon_3535_2D)

Lamps: 1 x Luxeon_3535_2D_x22_(MXC8_4000K)_910.245lm@100mA_CCT=4000K_P=6.32W_I=0.1A

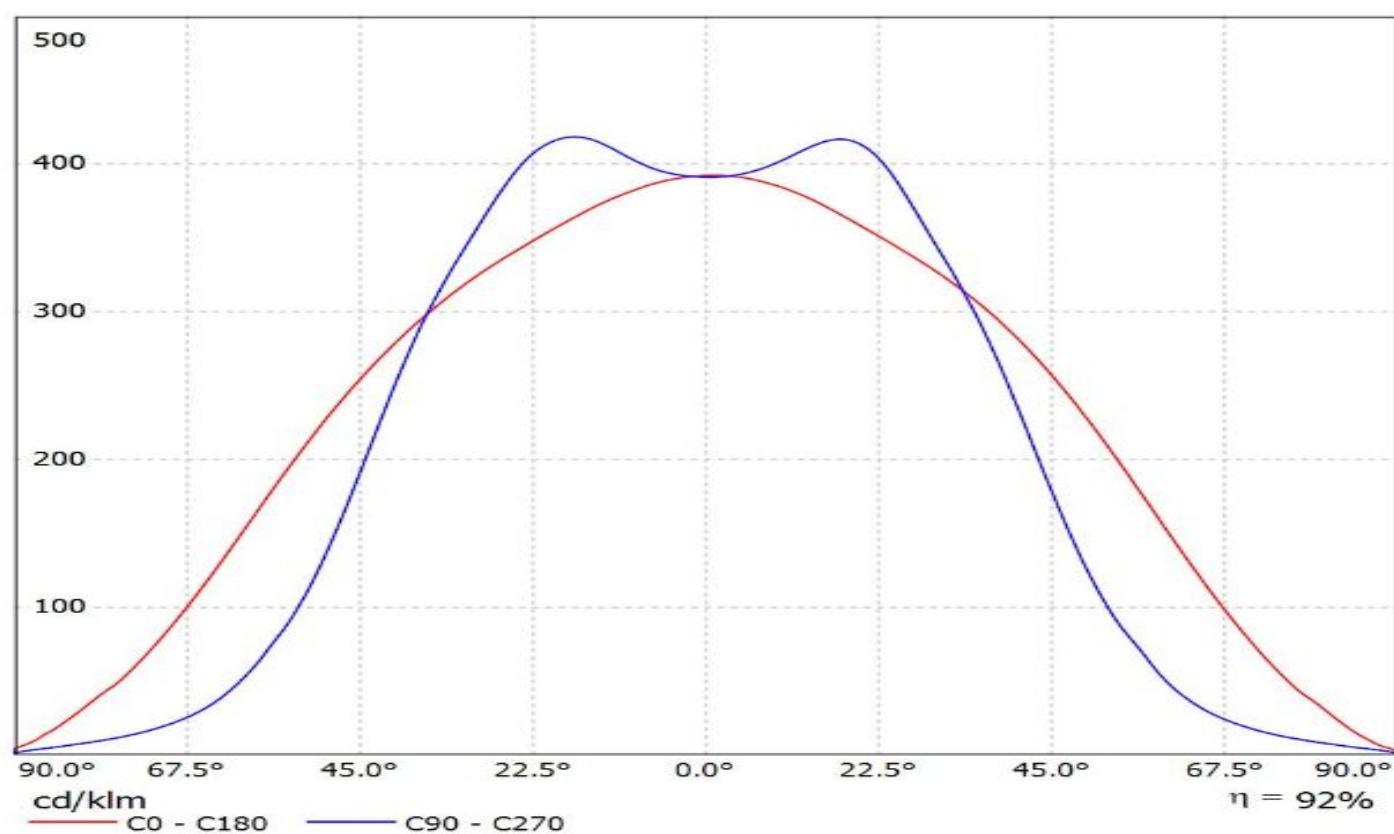


Ledil F14304_FLORENCE-1R-Z90_(Luxeon_3030_2D) / LDC (Linear)

Luminaire: Ledil F14304_FLORENCE-1R-Z90_(Luxeon_3030_2D)

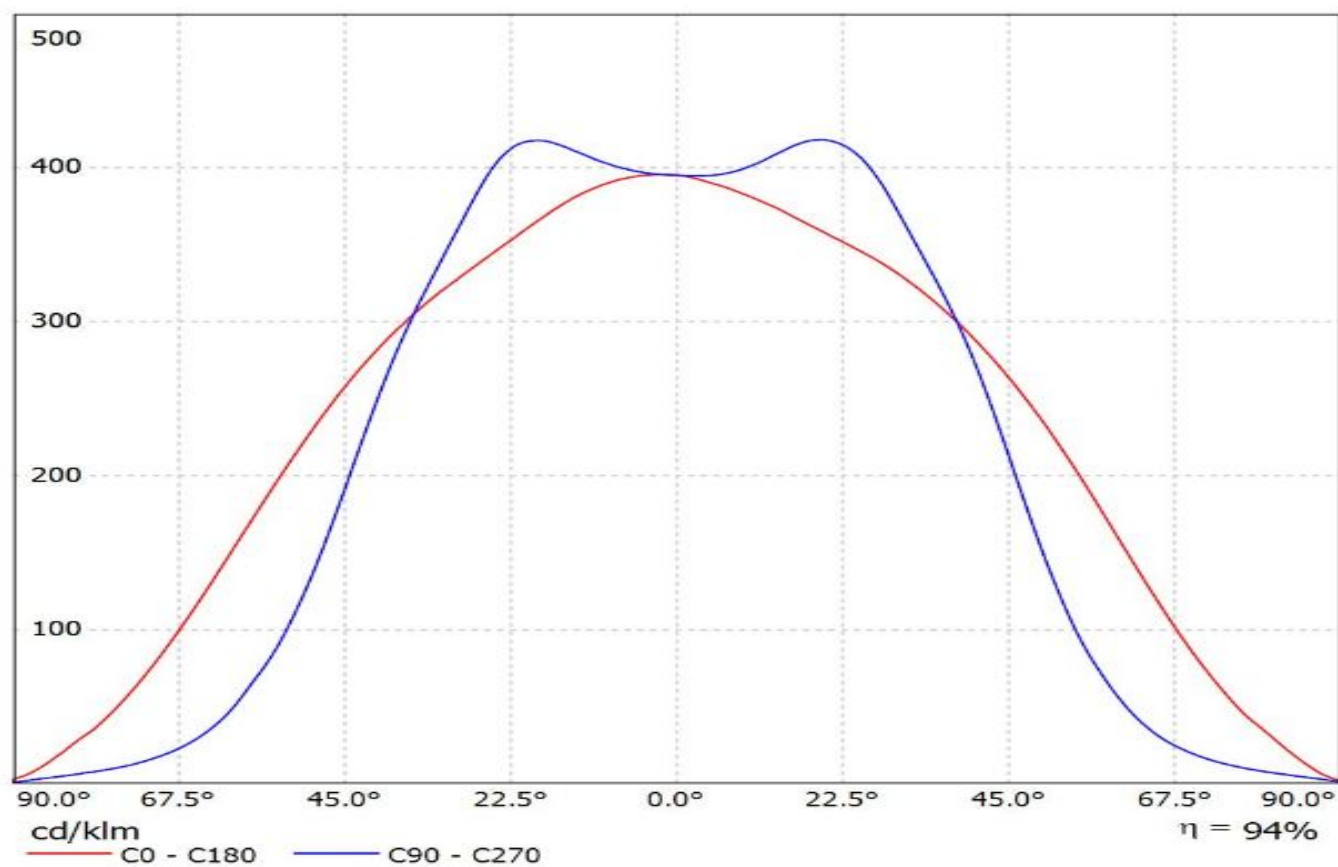
Lamps: 1 x Luxeon_3030_2D_x22_(L130-4080003000W21)

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

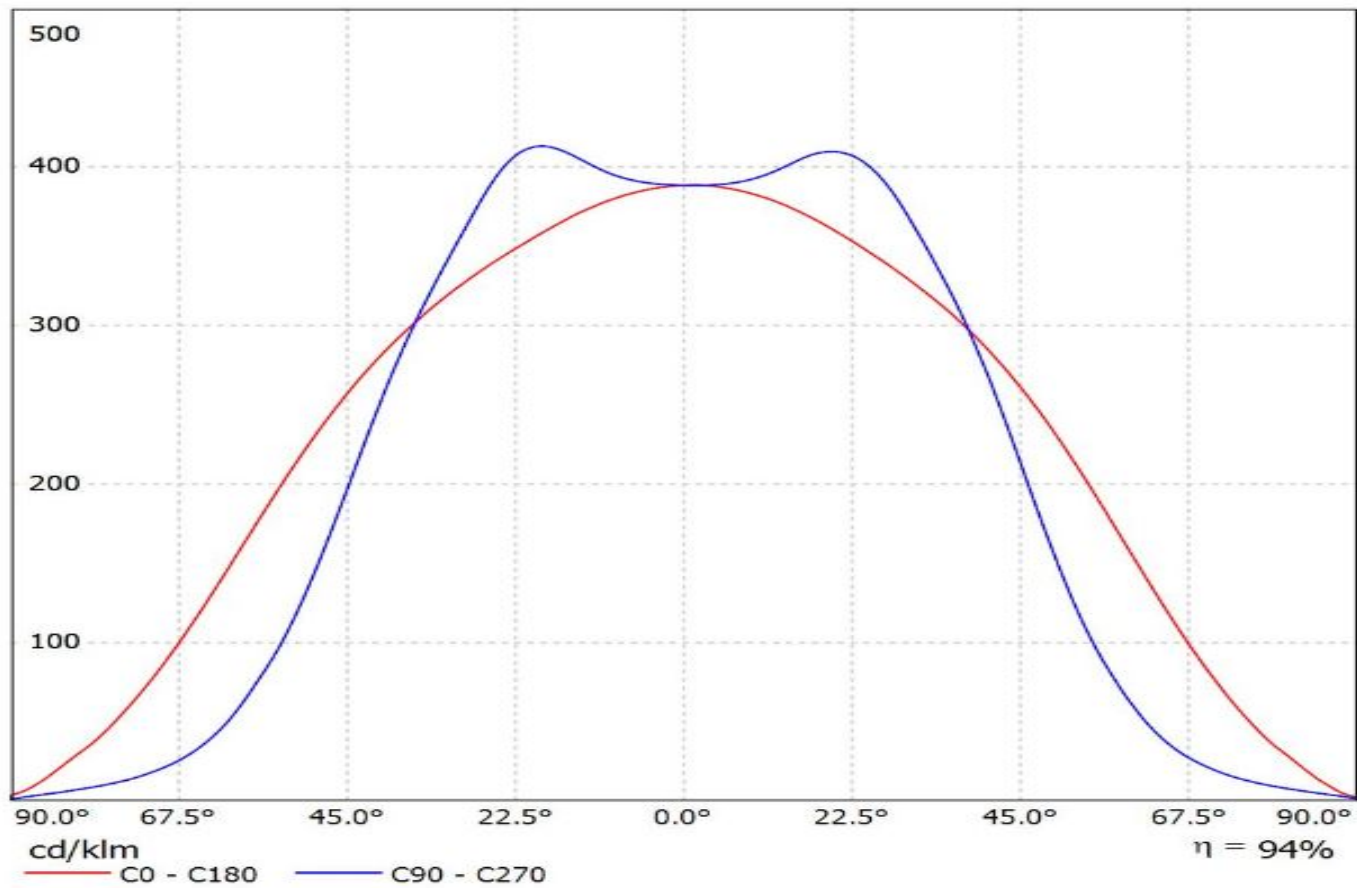


Luminaire: Ledil F14304_FLORENCE-1R-Z90_(3014_x22)

Lamps: 1 x Luxeon_3014_x22_(L130-5080)_282.652lm@60mA_P=1.9076W_I=0.060mA

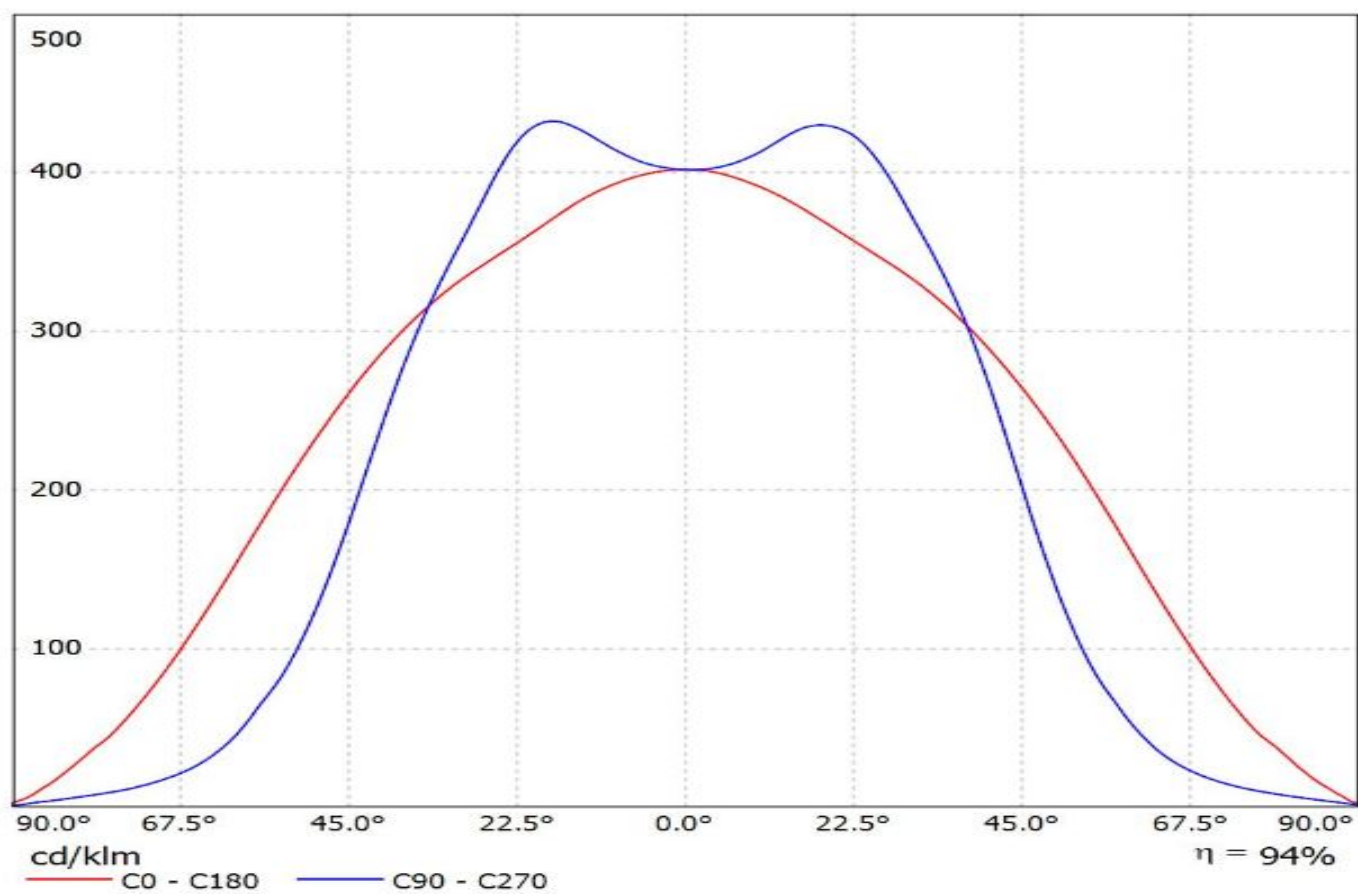


Luminaire: Ledil F14304_FLORENCE-1R-Z90_(3535L_x22)
Lamps: 1 x Luxeon_3535L_x22_(MXA8-PW50)_507.68lm@100mA_P=2.9953W_I=0.100mA



Luminaire: Ledil F14304_FLORENCE-1R-Z90_(3020)

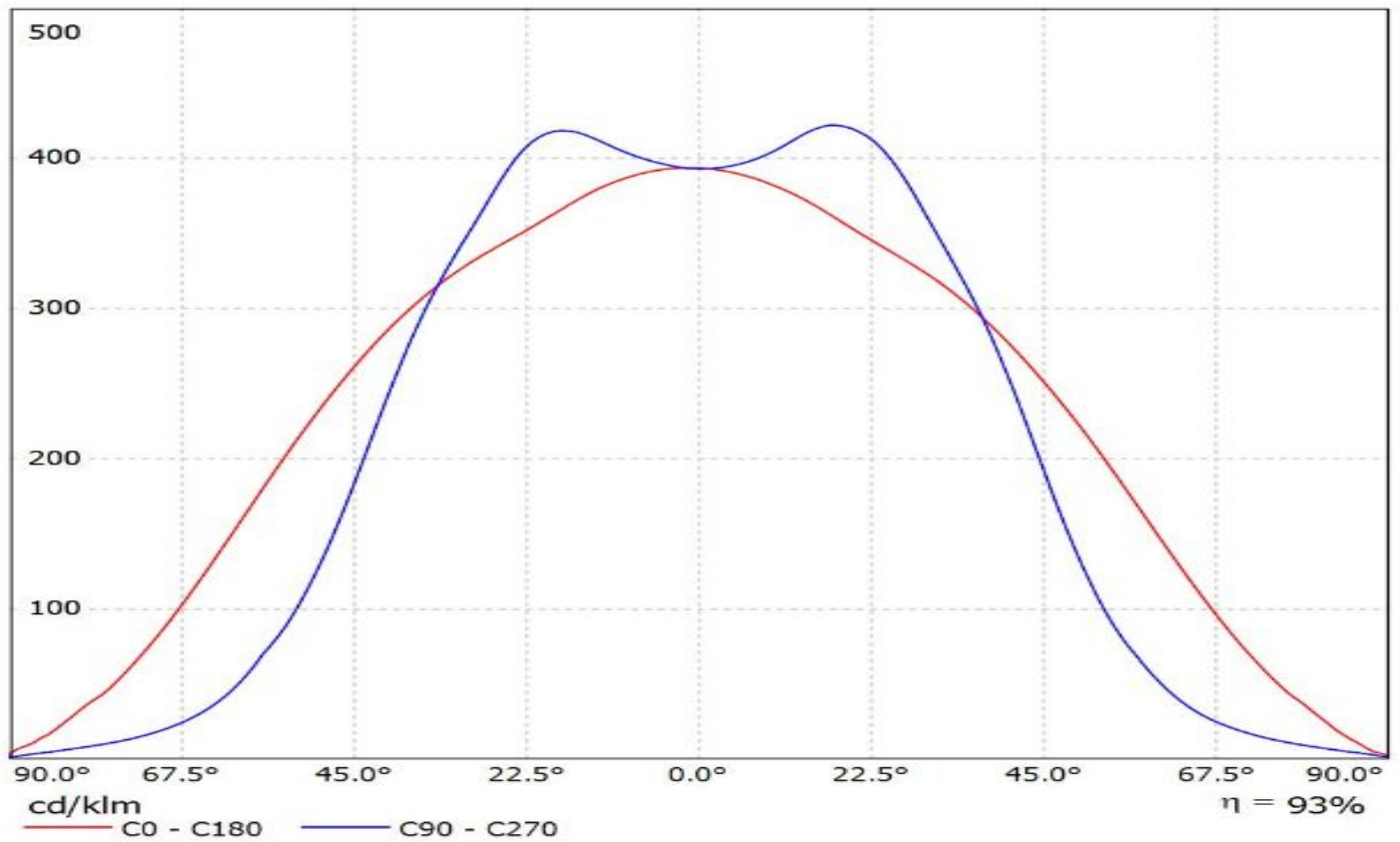
Lamps: 1 x Luxeon_3020_x22_(L130-2780)_488.066lm@120mA_P=3.7731W_I=0.120mA



Ledil F14304_FLORENCE-1R-Z90_(Luminus_MP-2016) / LDC (Linear)

Luminaire: Ledil F14304_FLORENCE-1R-Z90_(Luminus_MP-2016)

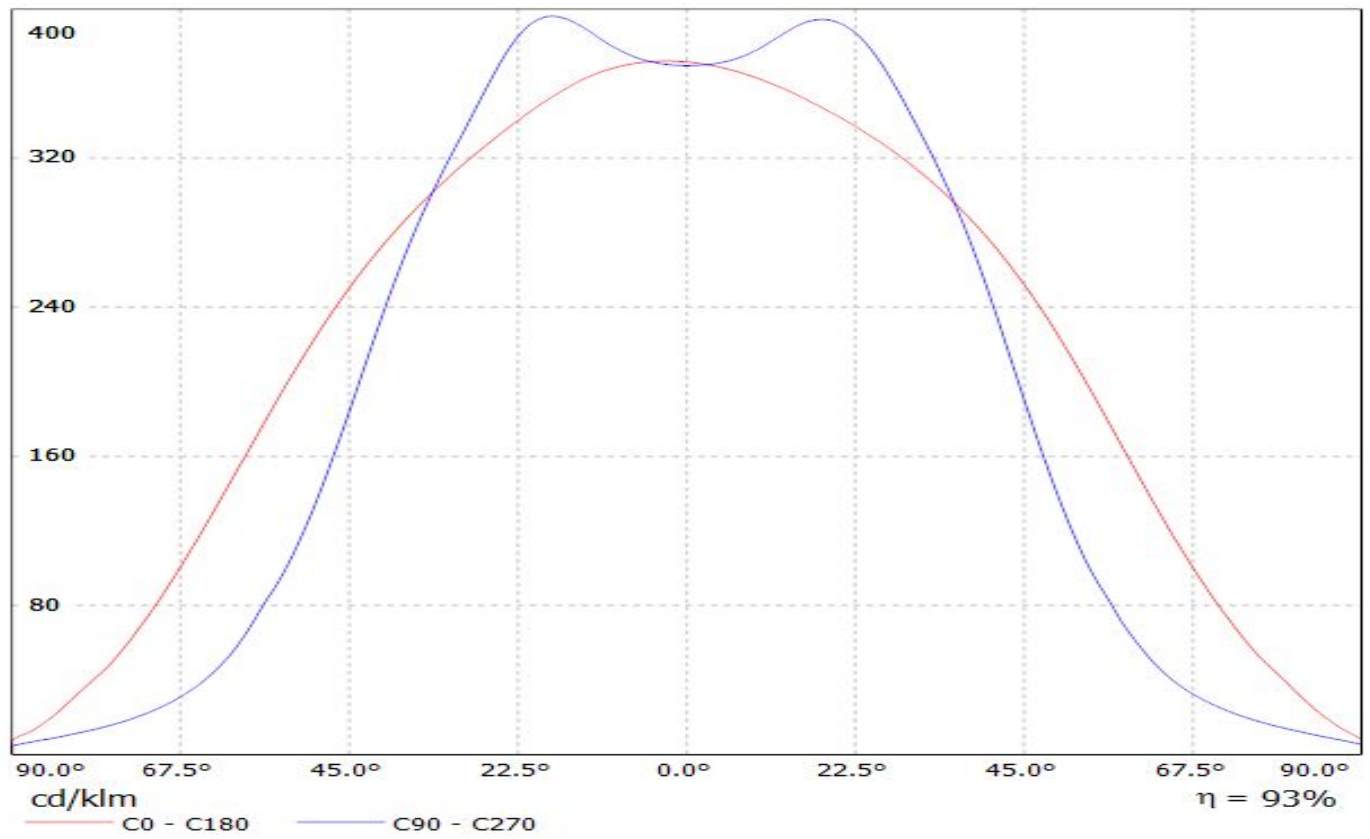
Lamps: 1 x Luminus_MP-2016_1x22_(LUMMP-1100-30-80)_471.904lm@120mA_P=4W_I=0.12A



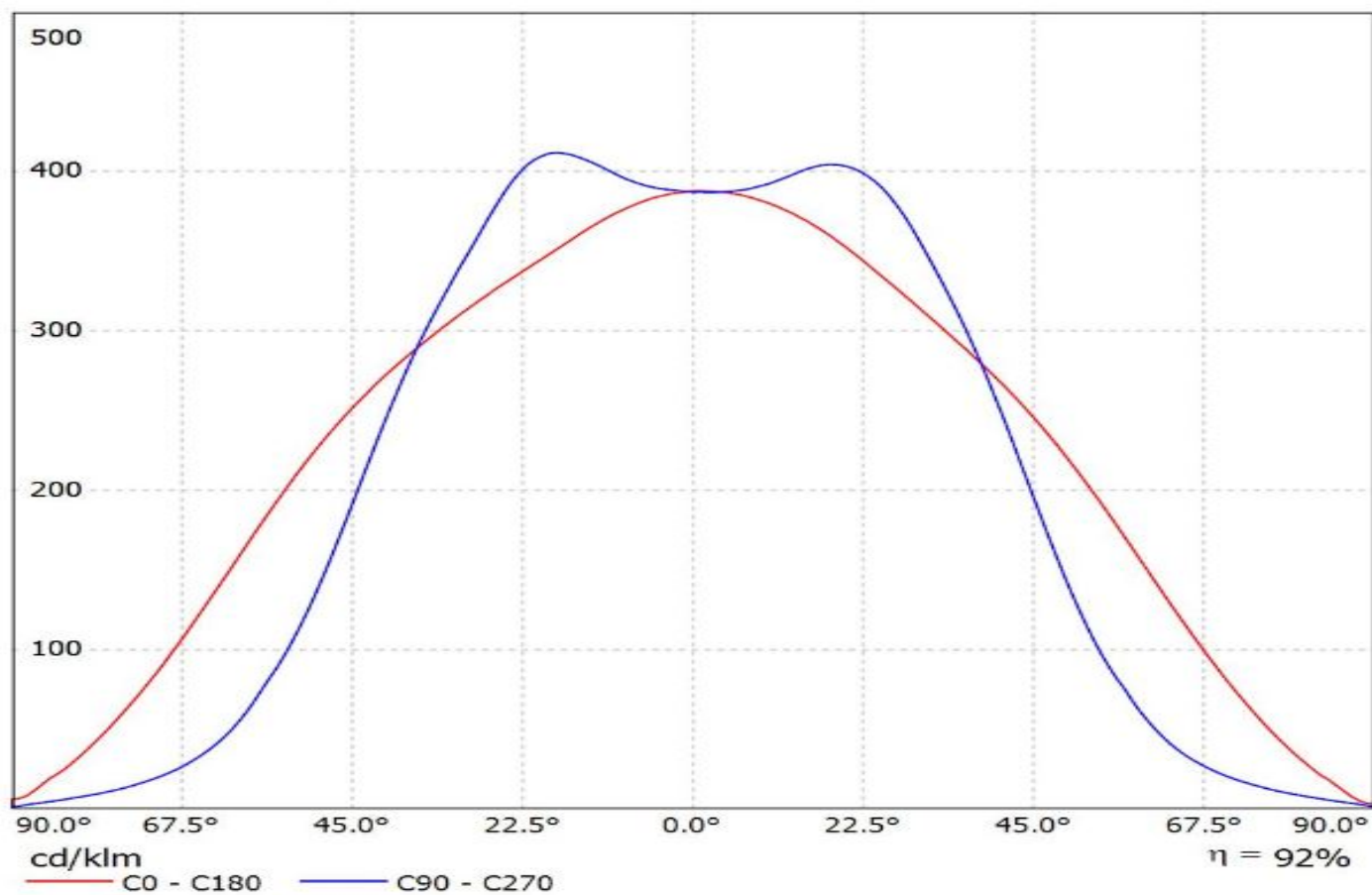
Ledil F14304_FLORENCE-1R-Z90_(NF2x757D) / LDC (Linear)

Luminaire: Ledil F14304_FLORENCE-1R-Z90_(NF2x757D)

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

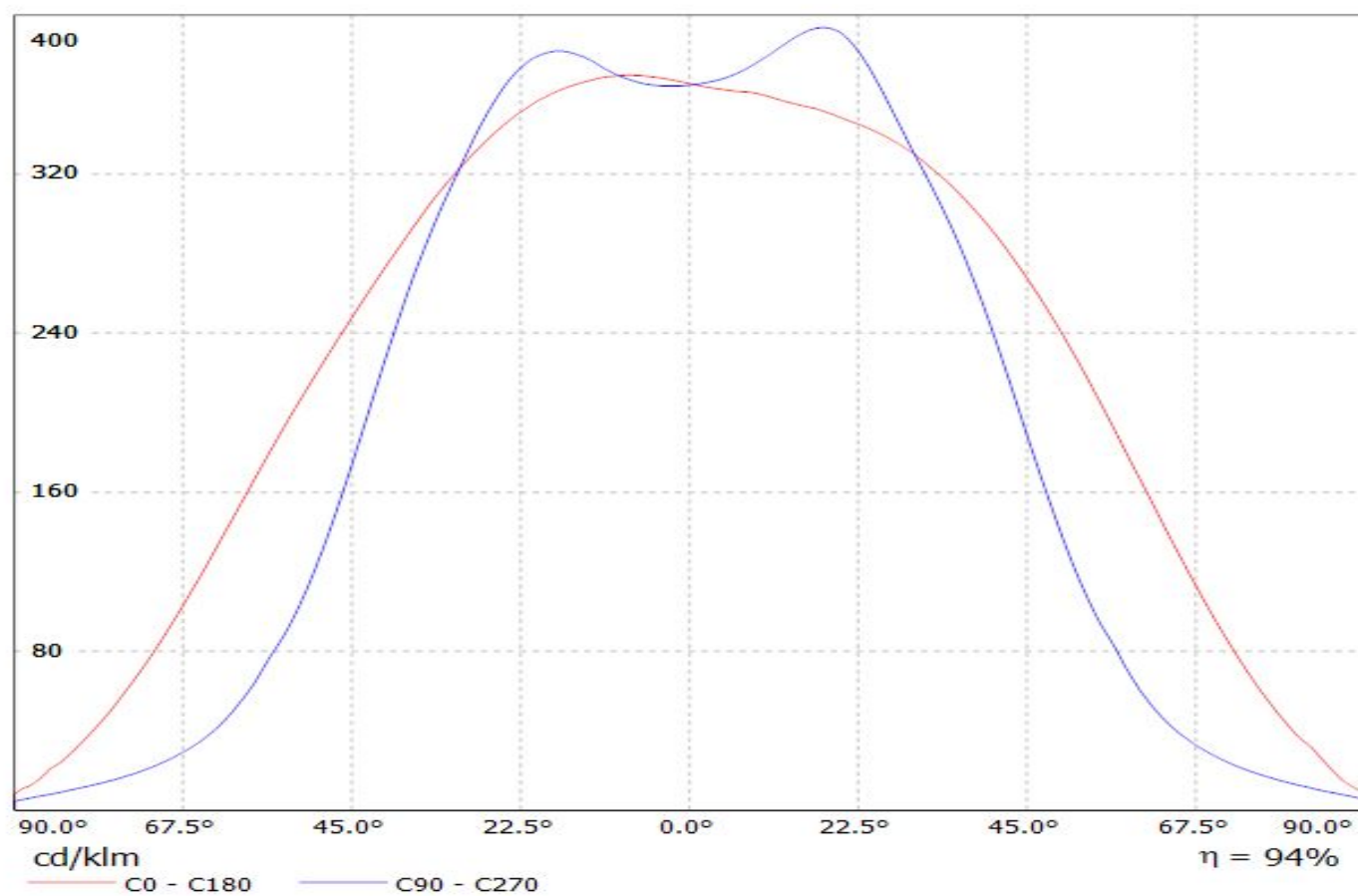


Luminaire: Ledil F14304_FLORENCE-1R-Z90_(NF2W757G)
Lamps: 1 x NF2W757G_377.885lm@65mA_CCT=?K_P=1.97W_I=0.065A

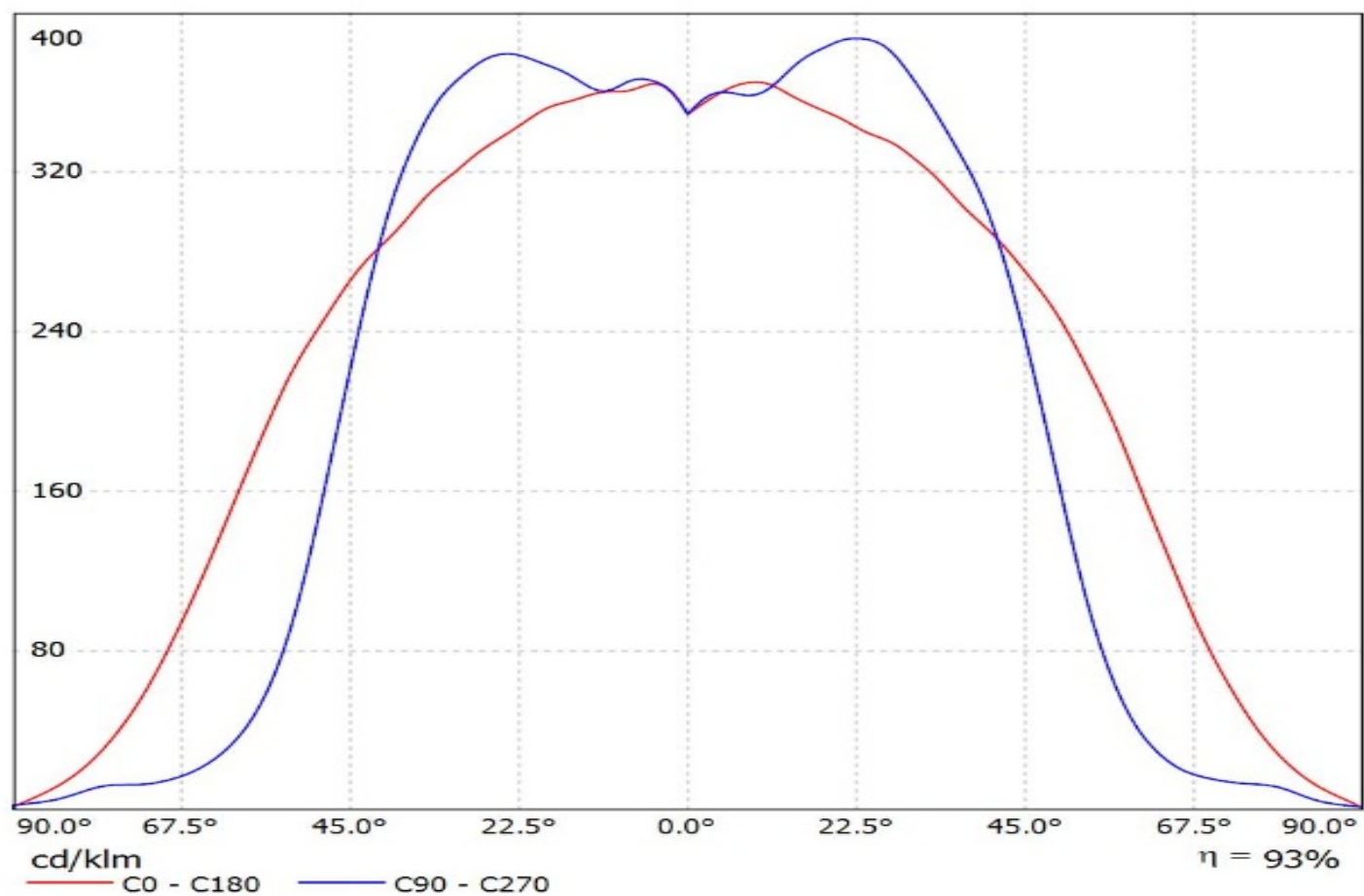


Luminaire: Ledil F14304_FLORENCE-1R-Z90_(Duris_S5)

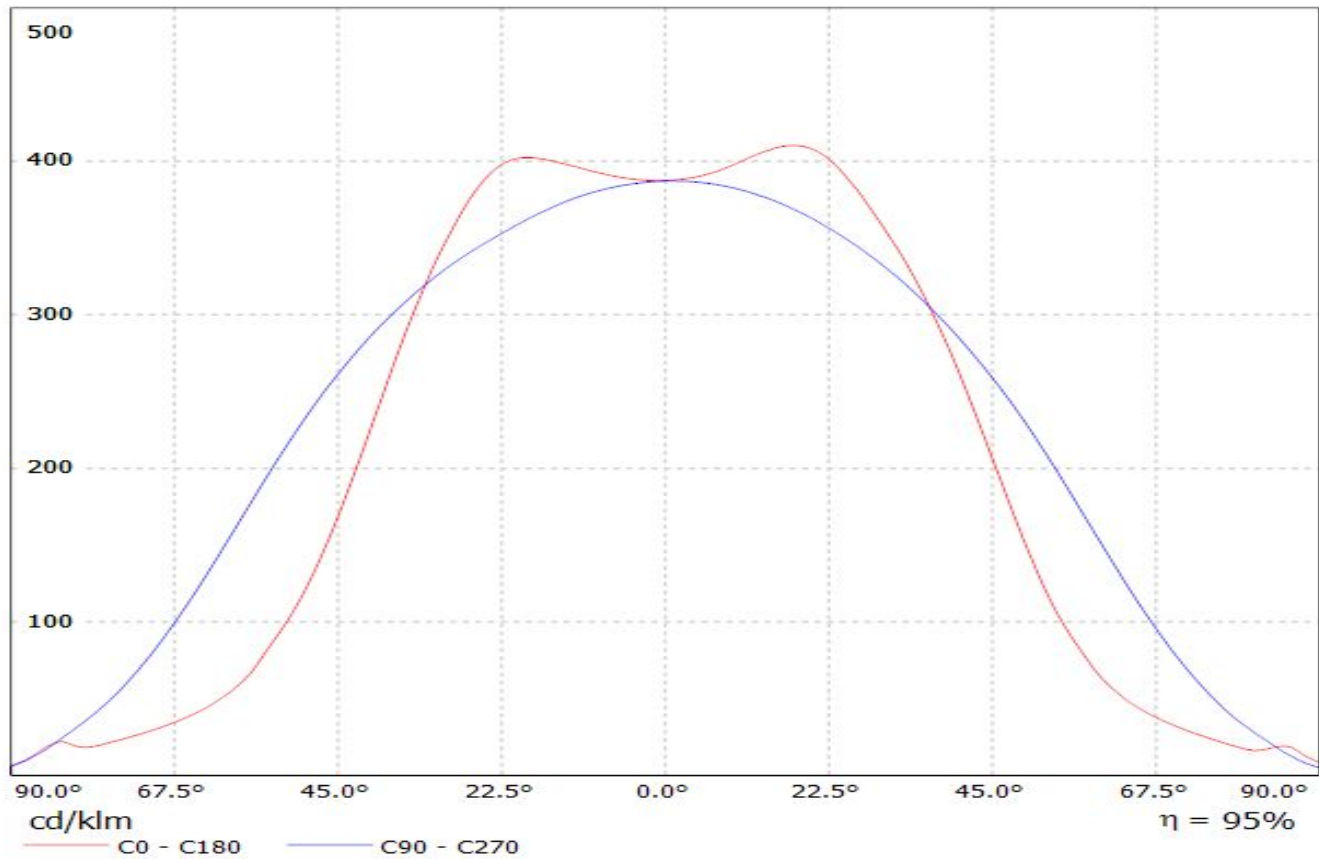
Lamps: 1 x Osram_Duris_S5_(GW_PSLRS1.ÉC-LQLS-5H7I-1)_993.467lm@100mA_P=8W_I=0.1000A



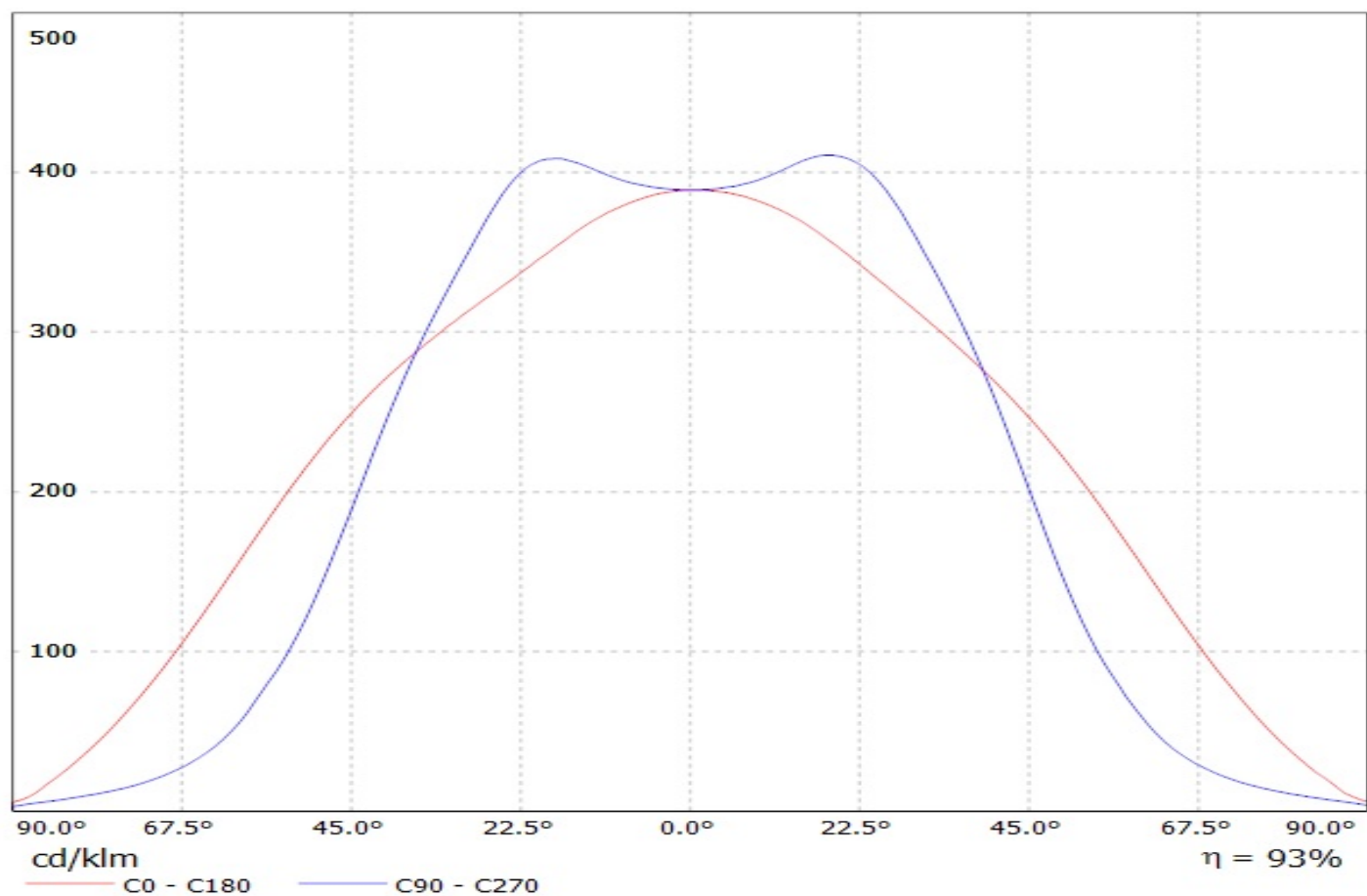
Luminaire: Ledil Oy F14304_FLORENCE-1R-Z90_(Duris_E_2835)_SIMULATED
Lamps: 1 x Osram Duris E 2835 - GW JTLRS1.EM



Luminaire: LEDiL Oy F14304_FLORENCE-1R-Z90
Lamps: 1 x Fortimo LED Line 1ft 1100lm 1R_1033.71lm@250mA_P=8.41851W_I=249.8mA



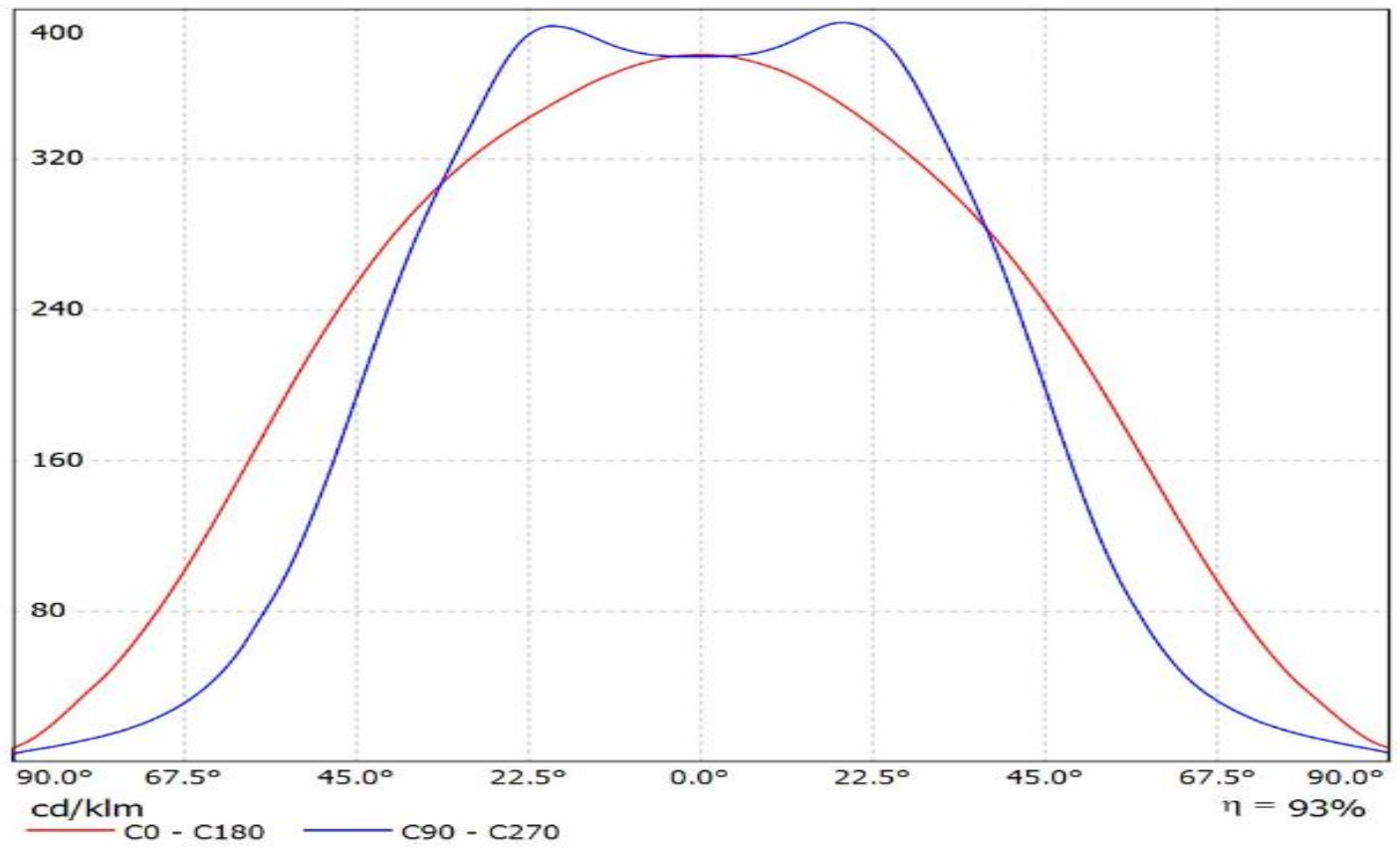
Luminaire: LEDiL Oy F14304_FLORENCE-1R-Z90_(LM302A)
Lamps: 1 x Samsung_LM302A_865.46lm@100mA_P=6.64694W_η=0.1001A



Ledil F14304_FLORENCE-1R-Z90_(LM561B) / LDC (Linear)

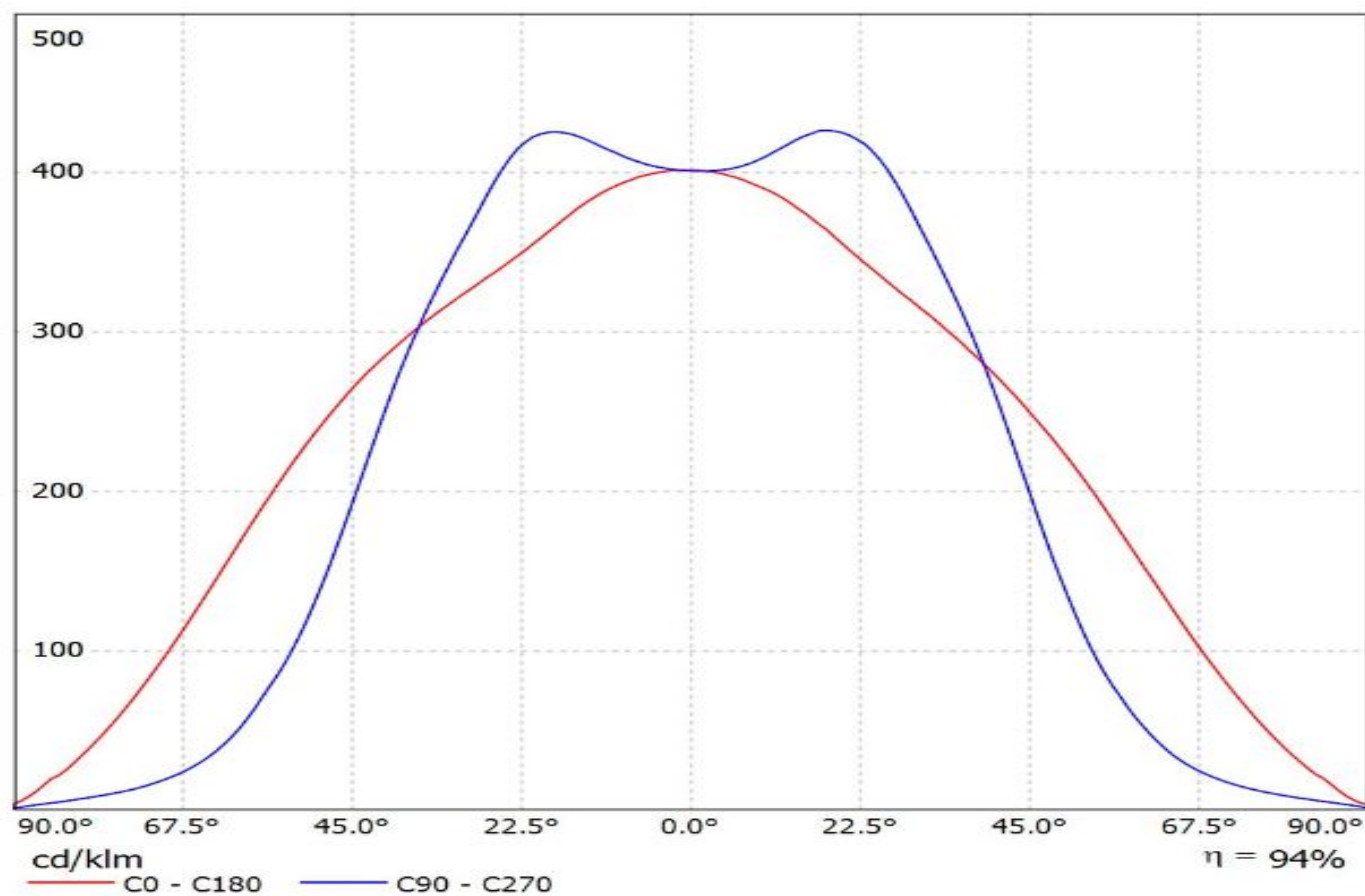
Luminaire: Ledil F14304_FLORENCE-1R-Z90_(LM561B)

Lamps: 1 x Samsung_LM561B_x22_348.84lm@65mA_P=1.97W_I=65mA

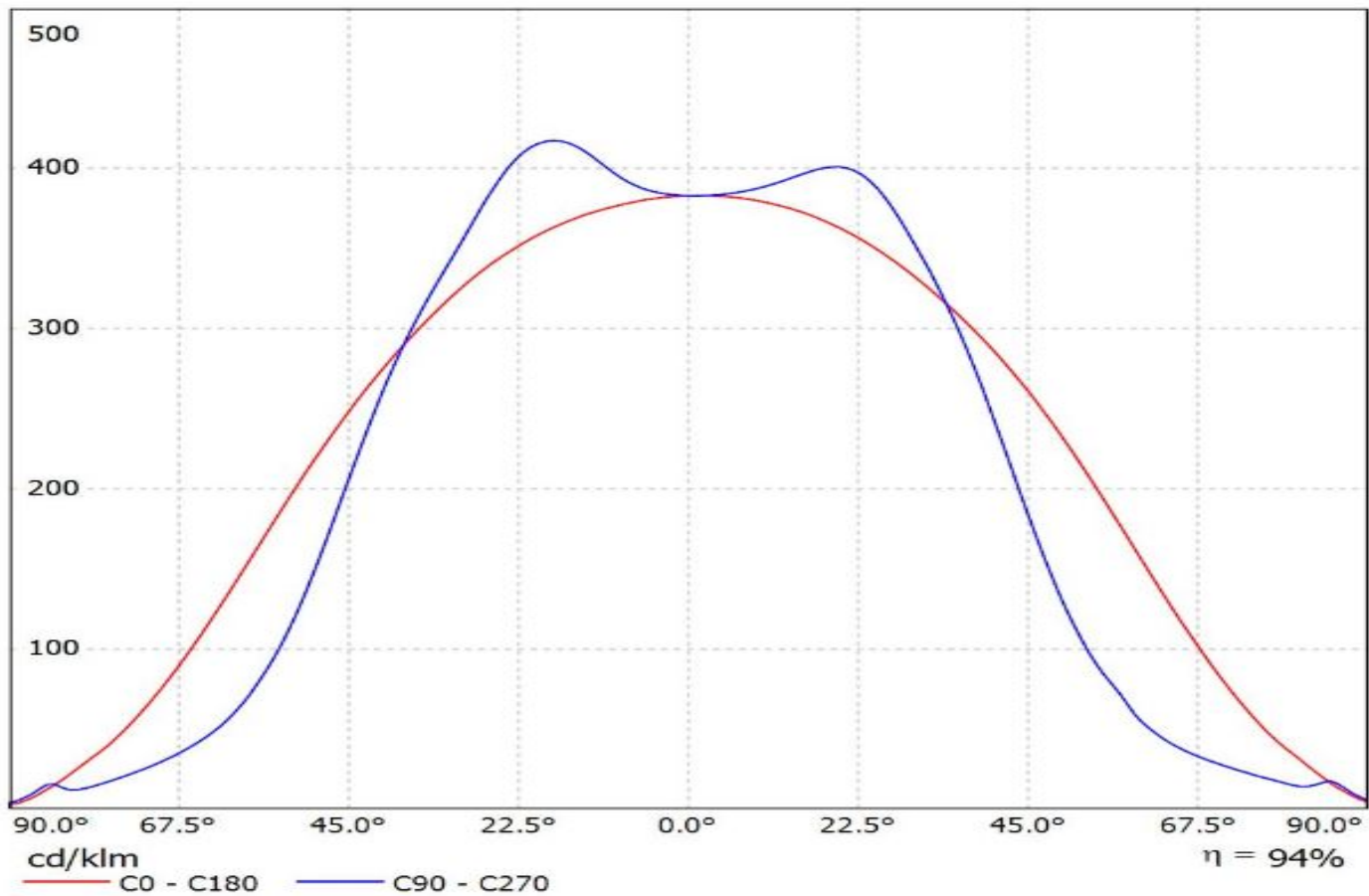


Luminaire: Ledil F14304_FLORENCE-1R-Z90_(LM301A)

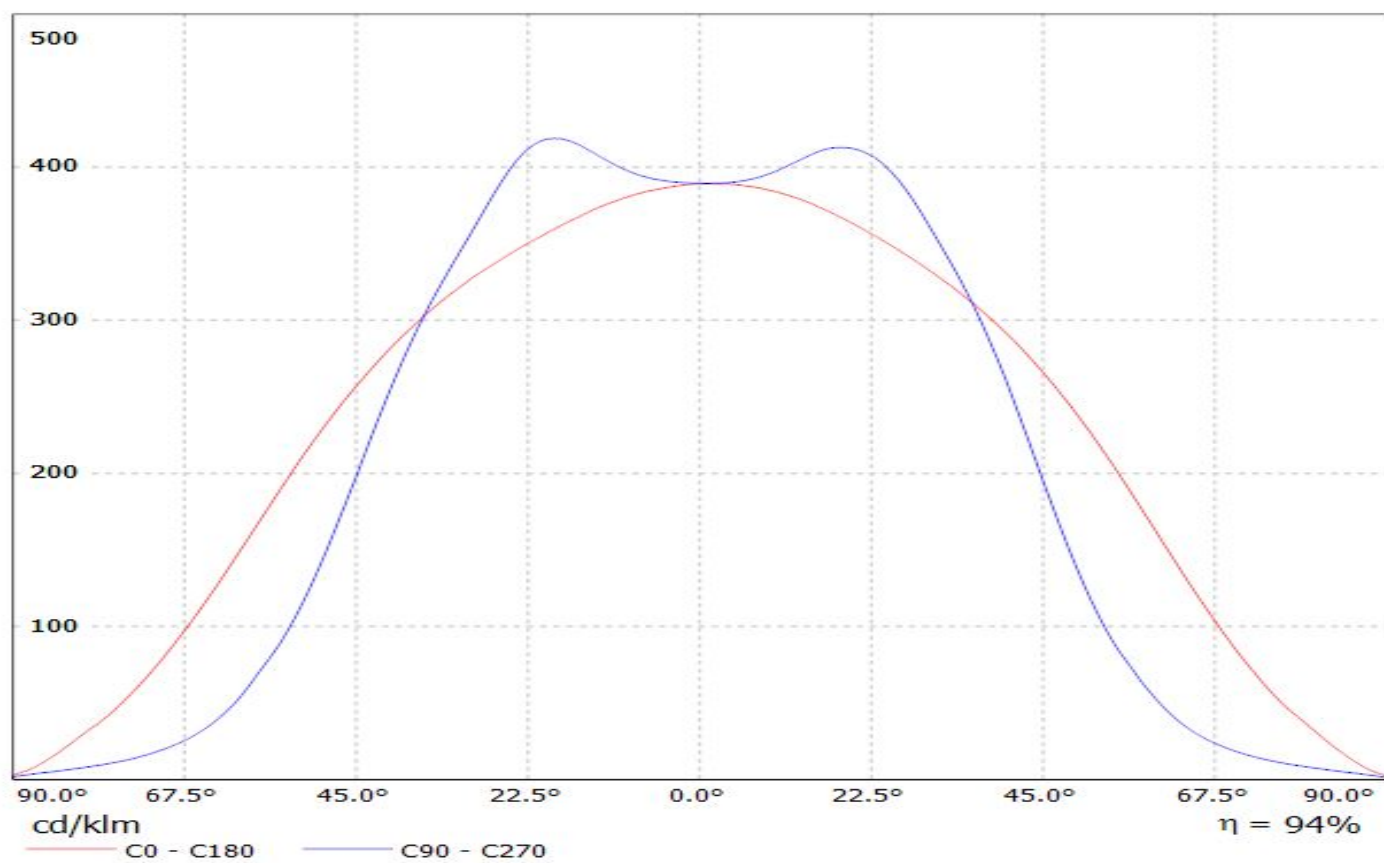
Lamps: 1 x Samsung_LM301A_x11_(SPMWHT328FD5WAT0S0)_1087.4lm@250mA_P=8.1922W_I=0.25A



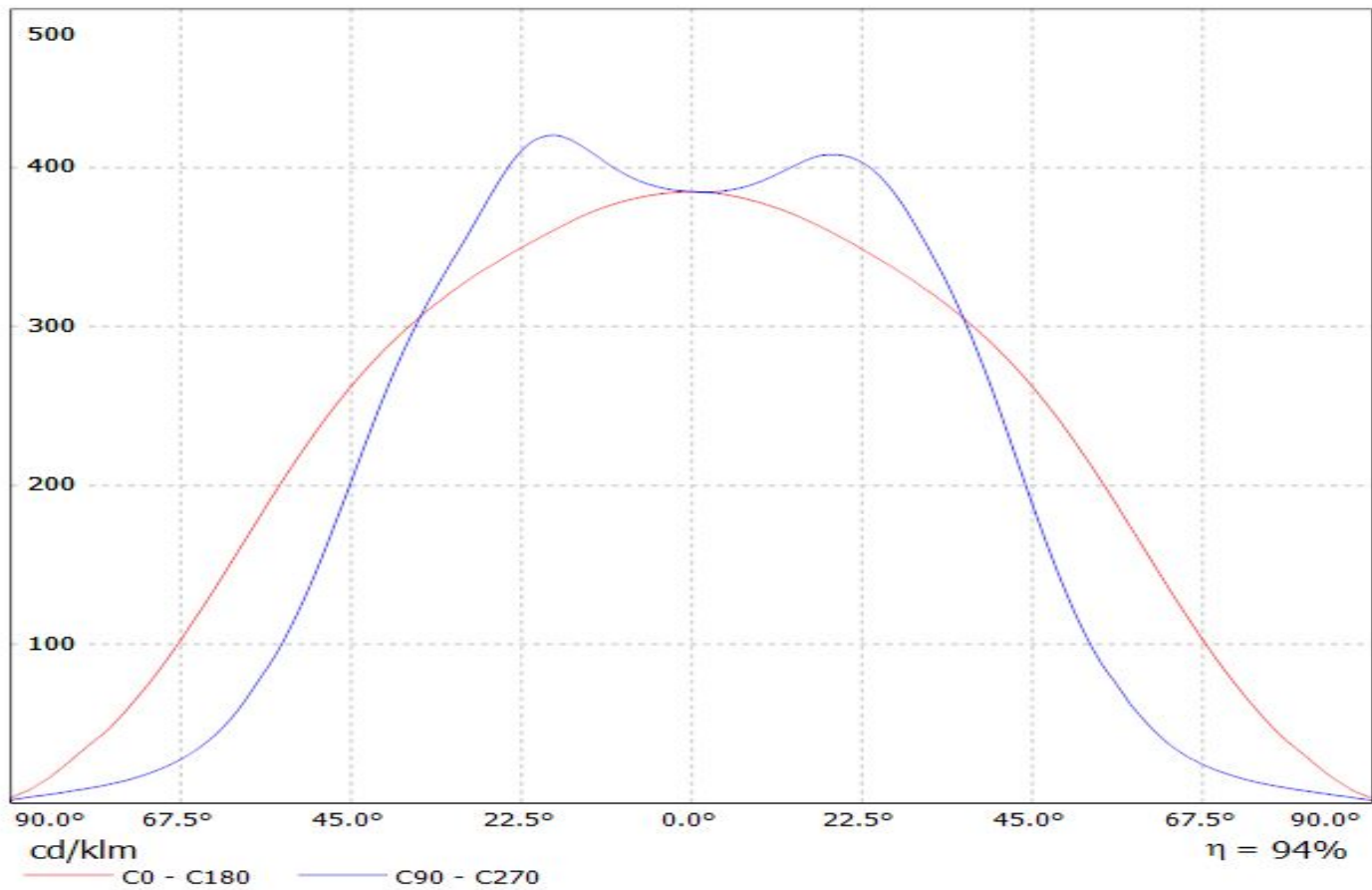
Luminaire: Ledil F14304_FLORENCE-1R-Z90_(LT-S282N)
Lamps: 1 x Samsung SI-B8T071280LD_LM5618+_1401.55lm@250mA_P=9.185W_I=0.25A



Luminaire: LEDiL Oy F14304_FLORENCE-1R-Z90_(LM561C)
Lamps: 1 x Samsung_LM561C_688.201lm@130mA_P=3.9390W_I=0.130A



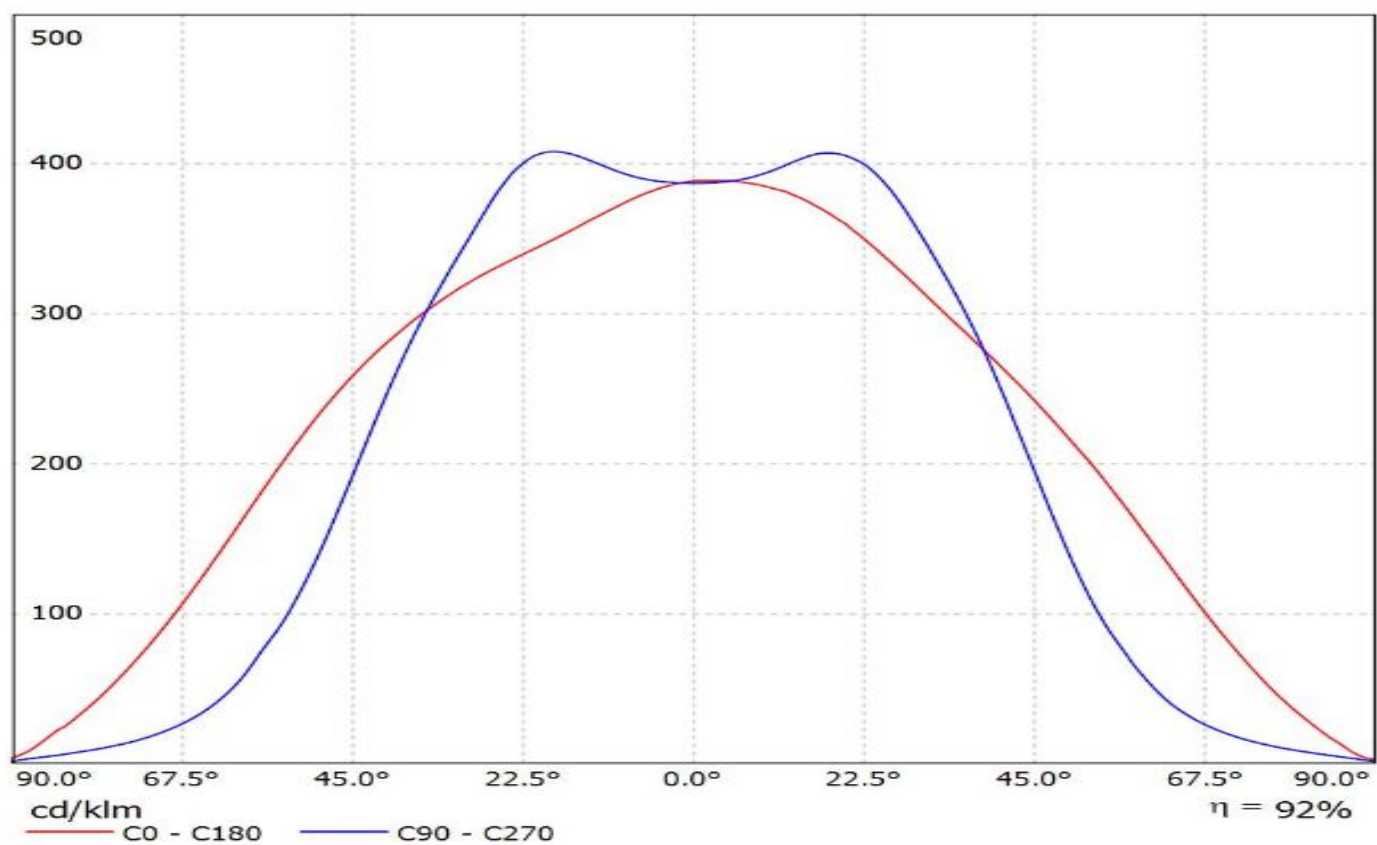
Luminaire: LEDiL Oy F14304_FLORENCE-1R-Z90_(LM281B)
Lamps: 1 x Samsung_LM281B_1309.14lm@300mA_P=10.244W_I=0.300A



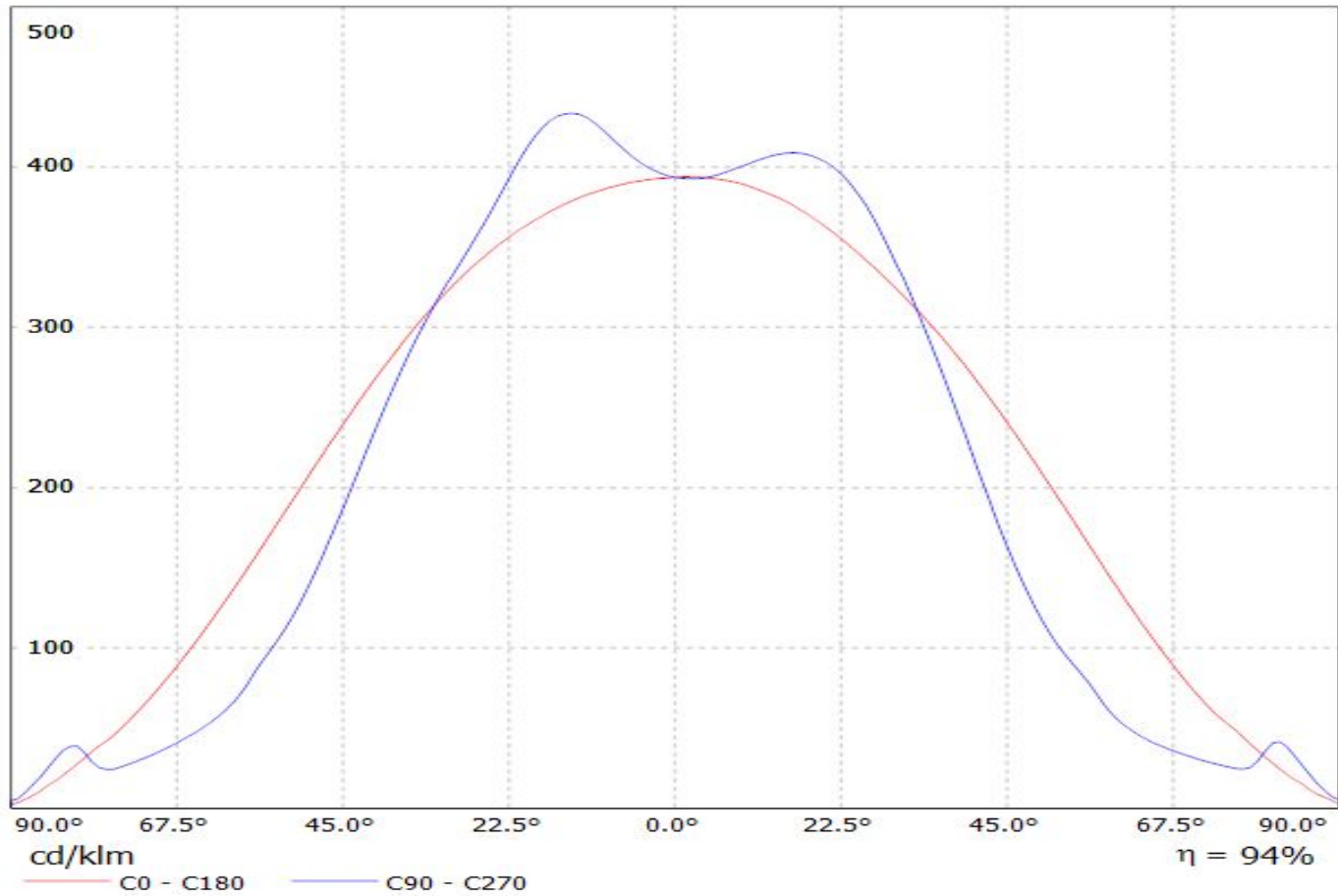
Ledil F14304_FLORENCE-1R-Z90_(Seoul_3030) / LDC (Linear)

Luminaire: Ledil F14304_FLORENCE-1R-Z90_(Seoul_3030)

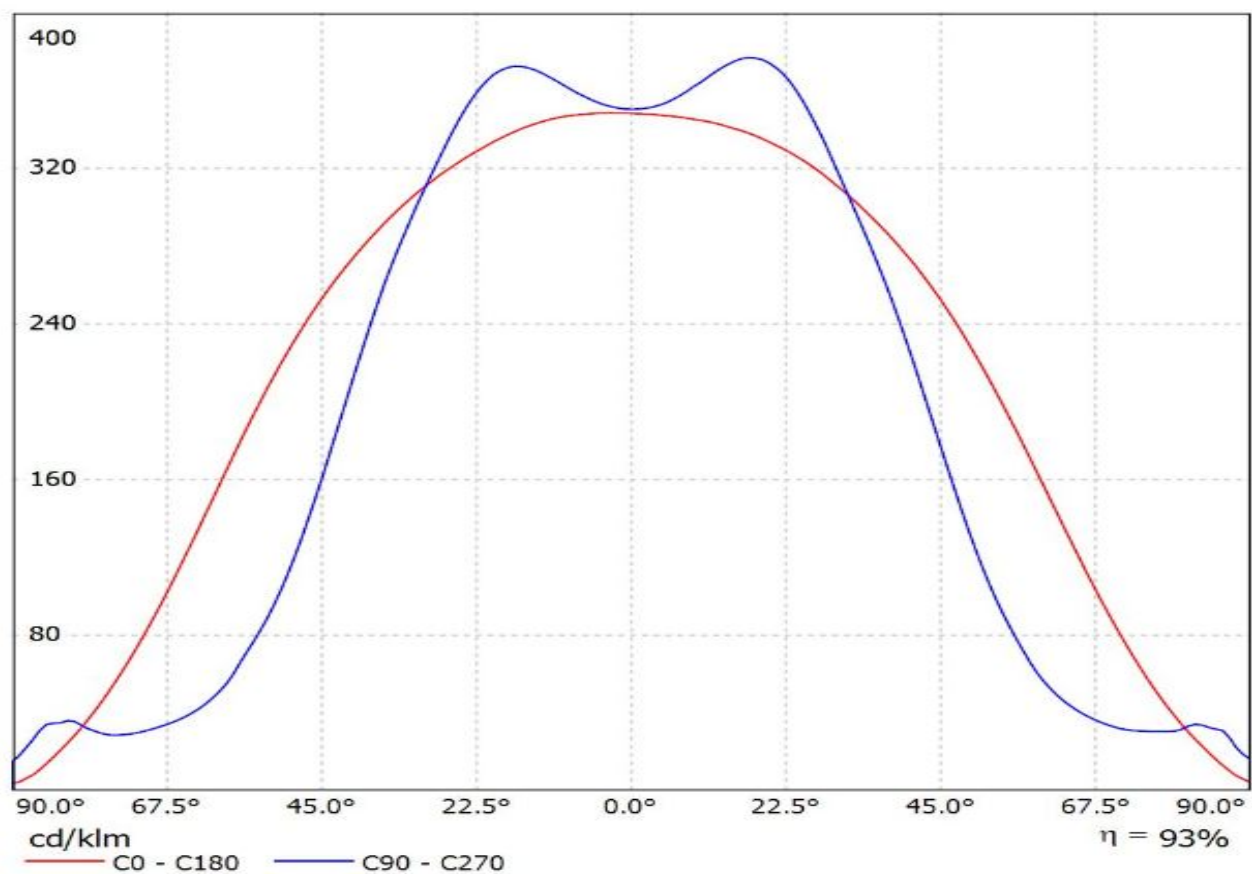
Lamps: 1 x Seoul_3030_x11_(STW8C2SA)_785.296lm@100mA_P=6.5W_I=0.1A



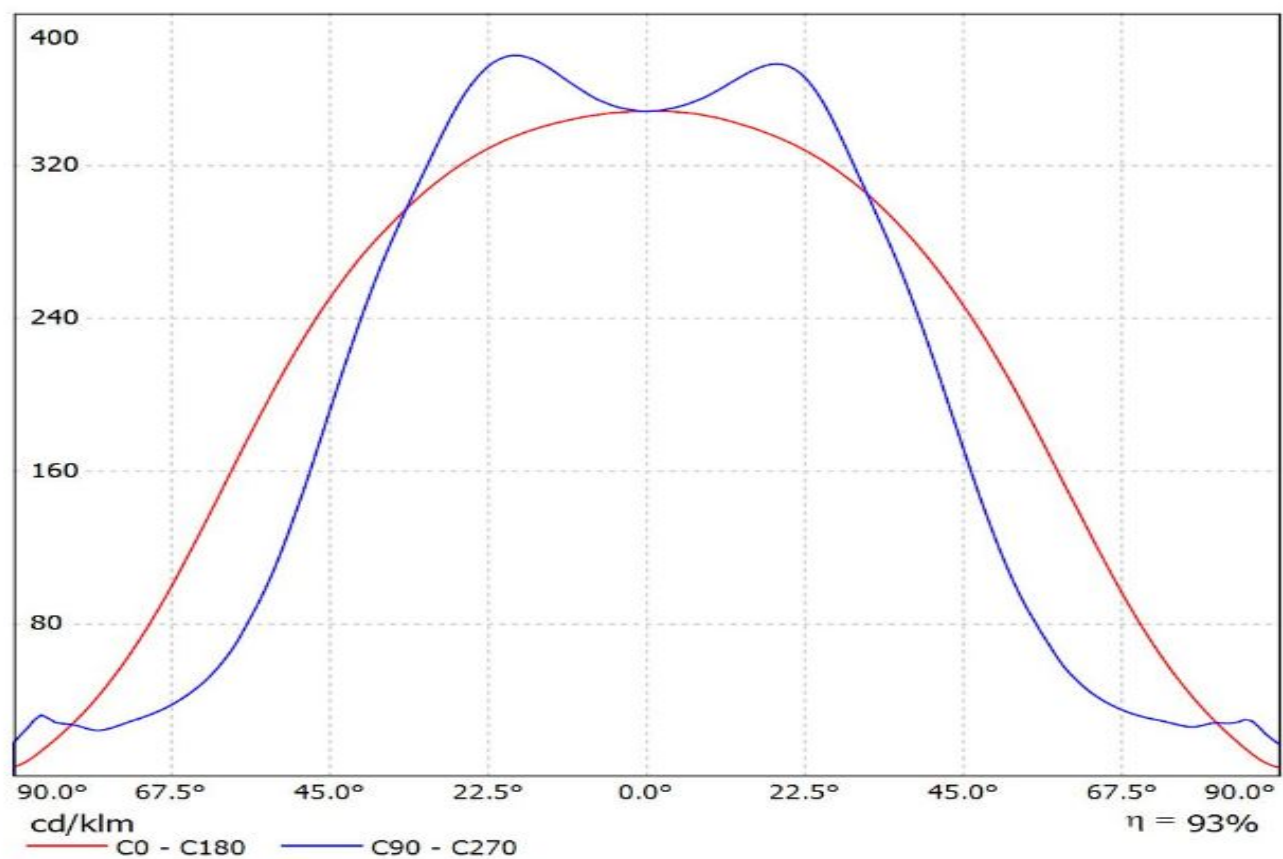
Luminaire: Ledil F14304_FLORENCE-1R-Z90_(SunLike_3030)
Lamps: 1 x SEOUL_SunLike_3030_(STW9C2PB-S)_2_240.649lm@0.65mA_P=2.30531W_U=35.538V



Luminaire: Ledil F14304_FLORENCE-1R-Z90_(CALGD0414-M8W1)
Lamps: 1 x Citizen_CALGD0414-M8W1_556.672lm@350mA_P=4.0291W_η=0.3499A

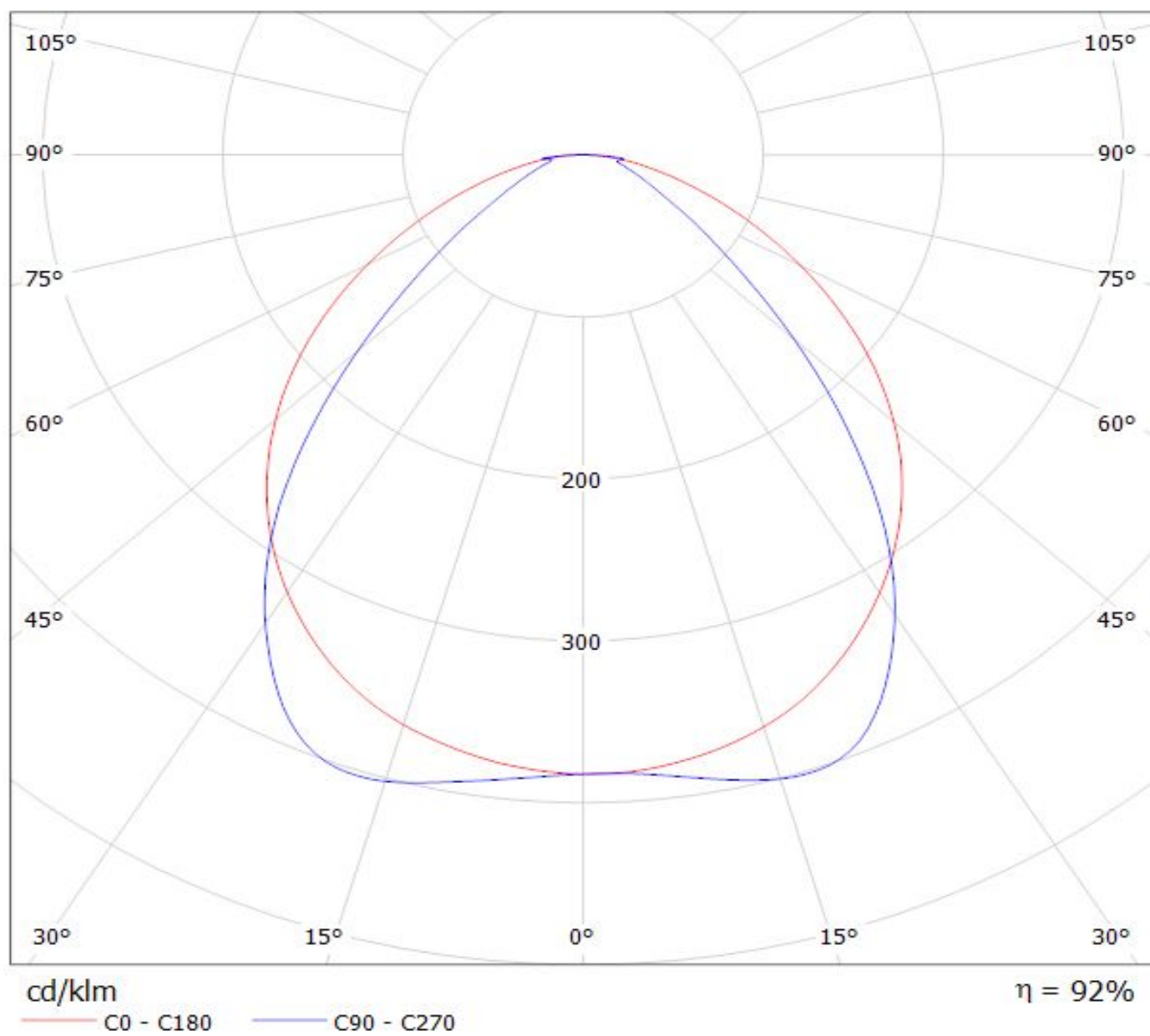


Luminaire: Ledil F14304_FLORENCE-1R-Z90_(CALGD0814-M17W1)
Lamps: 1 x Citizen_(CALGD0814-M17W1)_1098.26lm@350mA_P=7.96302W_η=0.3499A



Luminaire: Ledil F14304_FLORENCE-1R-Z90_(CeZos)

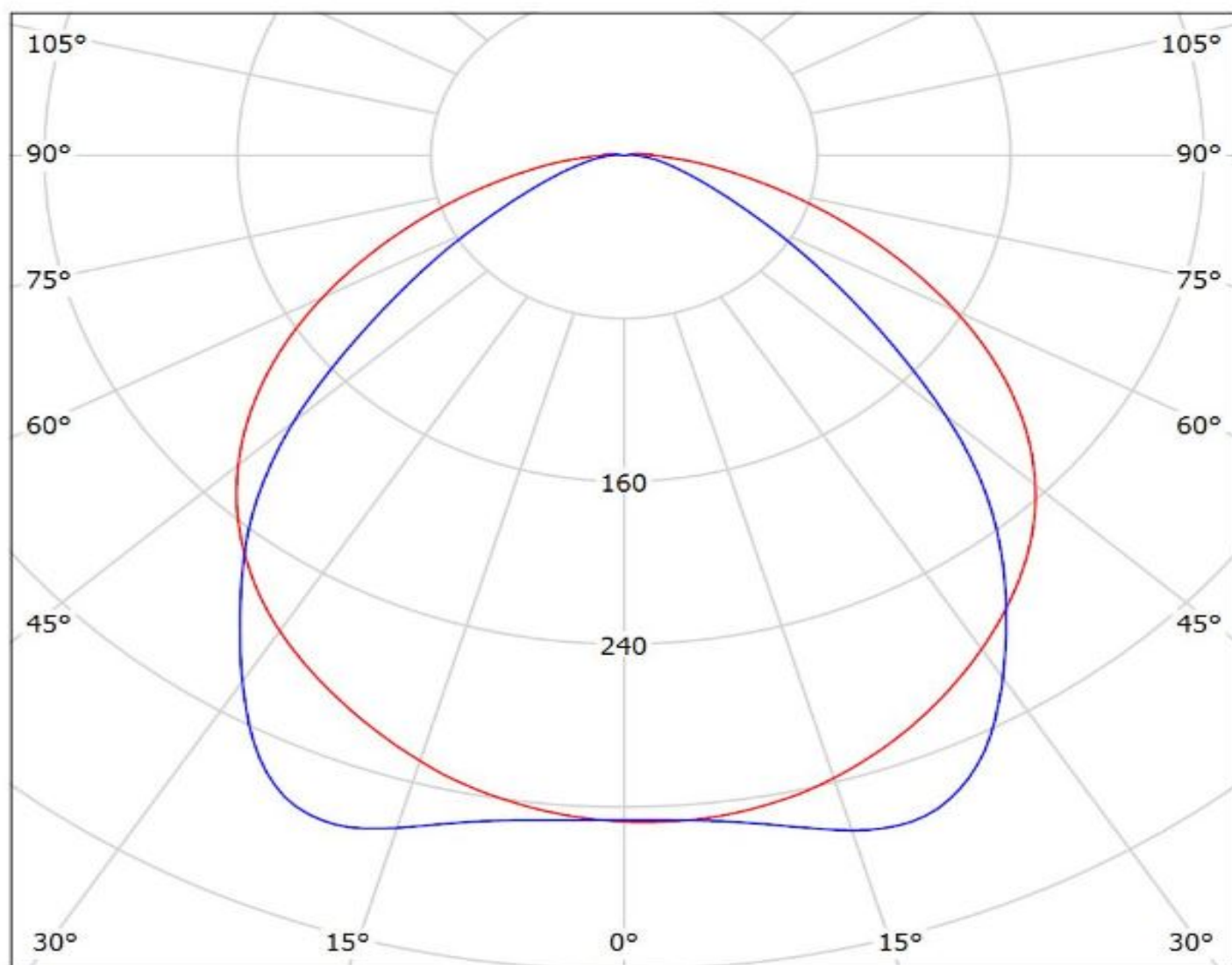
Lamps: 1 x CeZos_(L0-280024-xxx-C0800-L267)_1346.29lm@250mA_CCT=3000K_P=8.5017W_I=0.25A



Ledil F14304_FLORENCE-1R-Z90_(XH-B) / LDC (Polar)

Luminaire: Ledil F14304_FLORENCE-1R-Z90_(XH-B)

Lamps: 1 x Cree_XH-B_x22_(XHBAAWT-0-7B4-J20-0H-0001)_315.848lm@65mA_P=2.11W_I=65mA



cd/klm

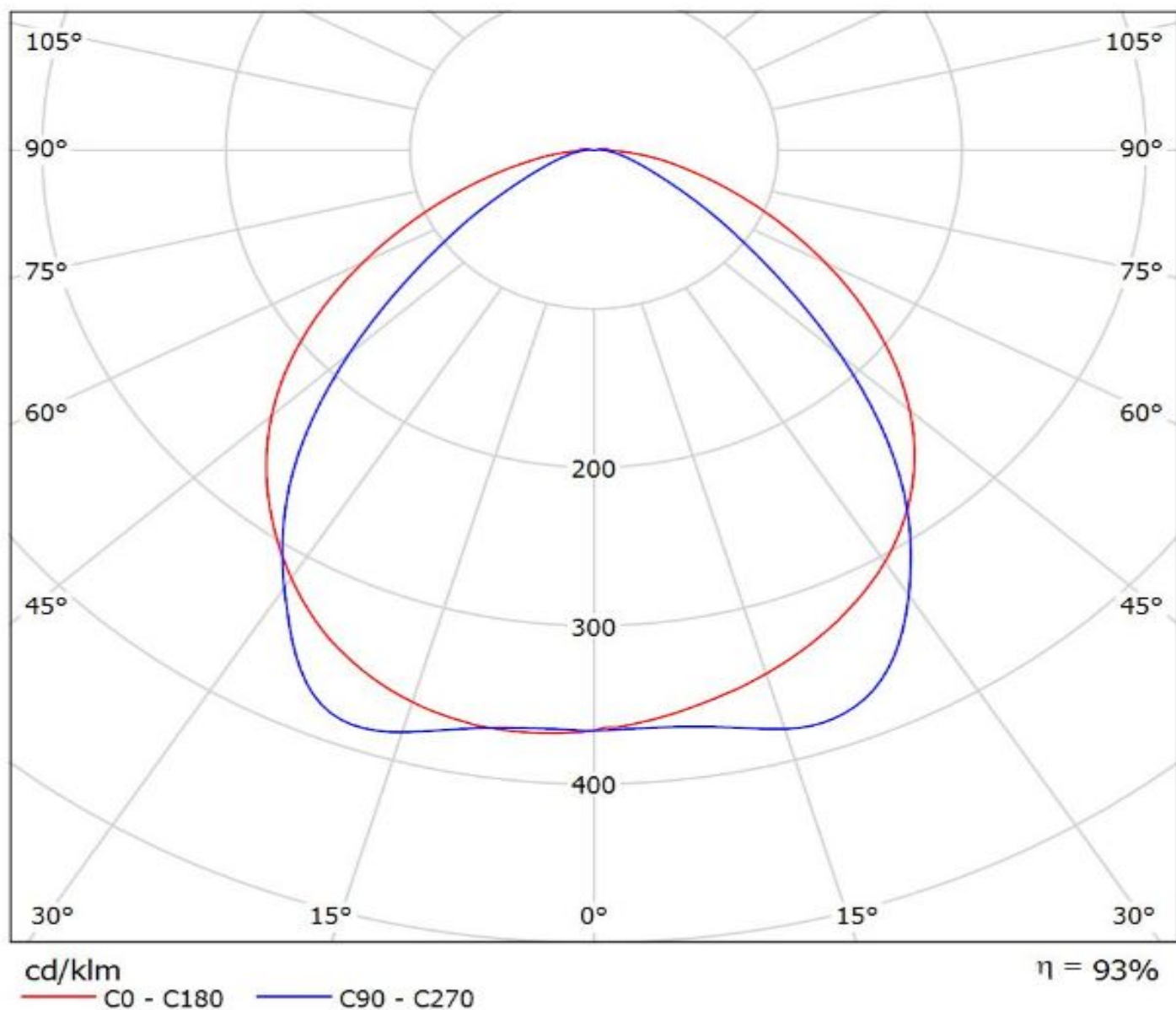
— C0 - C180 — C90 - C270

$\eta = 90\%$

Ledil F14304_FLORENCE-1R-Z90_(Luxeon_3535_2D) / LDC (Polar)

Luminaire: Ledil F14304_FLORENCE-1R-Z90_(Luxeon_3535_2D)

Lamps: 1 x Luxeon_3535_2D_x22_(MXC8_4000K)_910.245lm@100mA_CCT=4000K_P=6.32W_I=0.1A

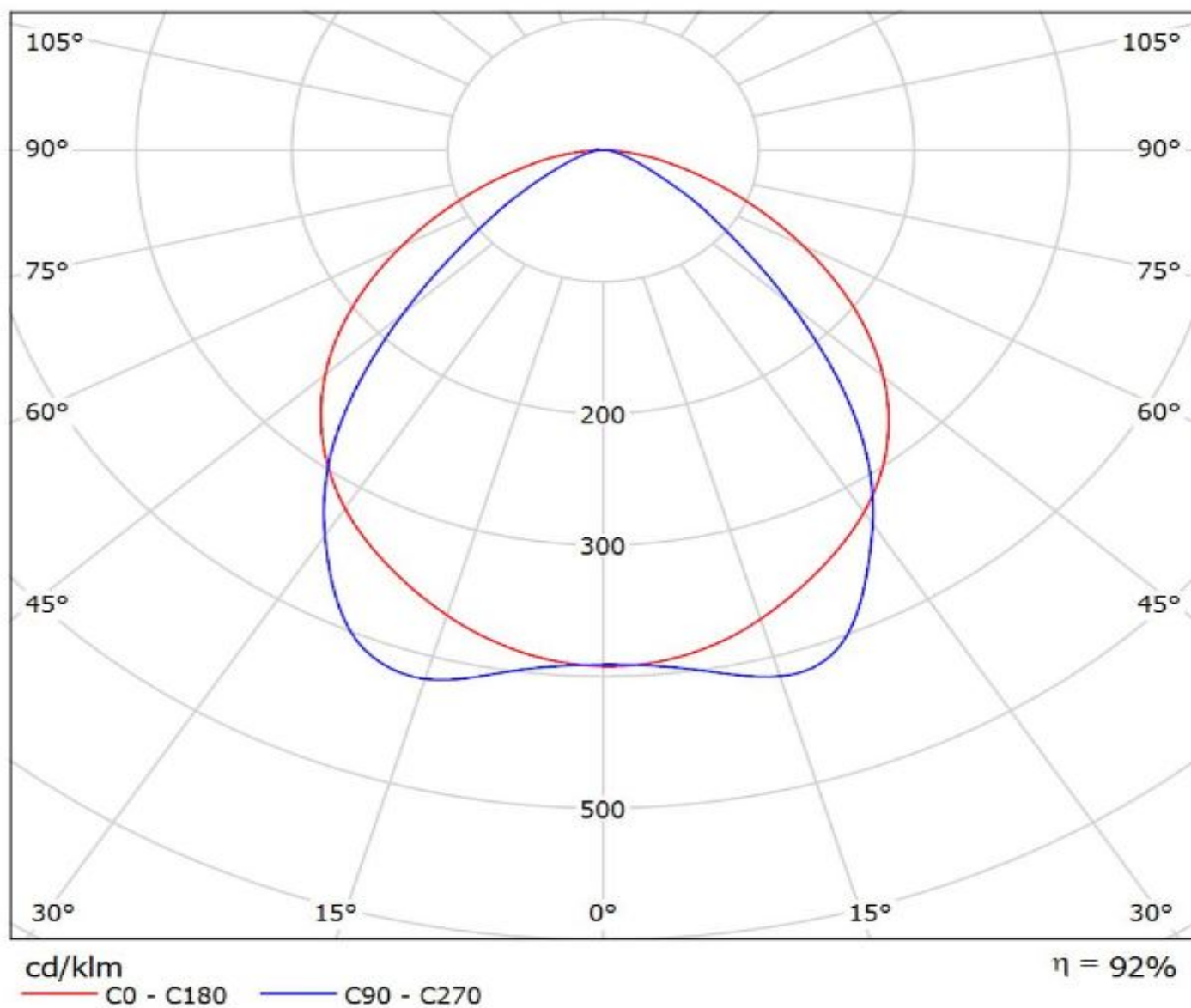


Ledil F14304_FLORENCE-1R-Z90_(Luxeon_3030_2D) / LDC (Polar)

Luminaire: Ledil F14304_FLORENCE-1R-Z90_(Luxeon_3030_2D)

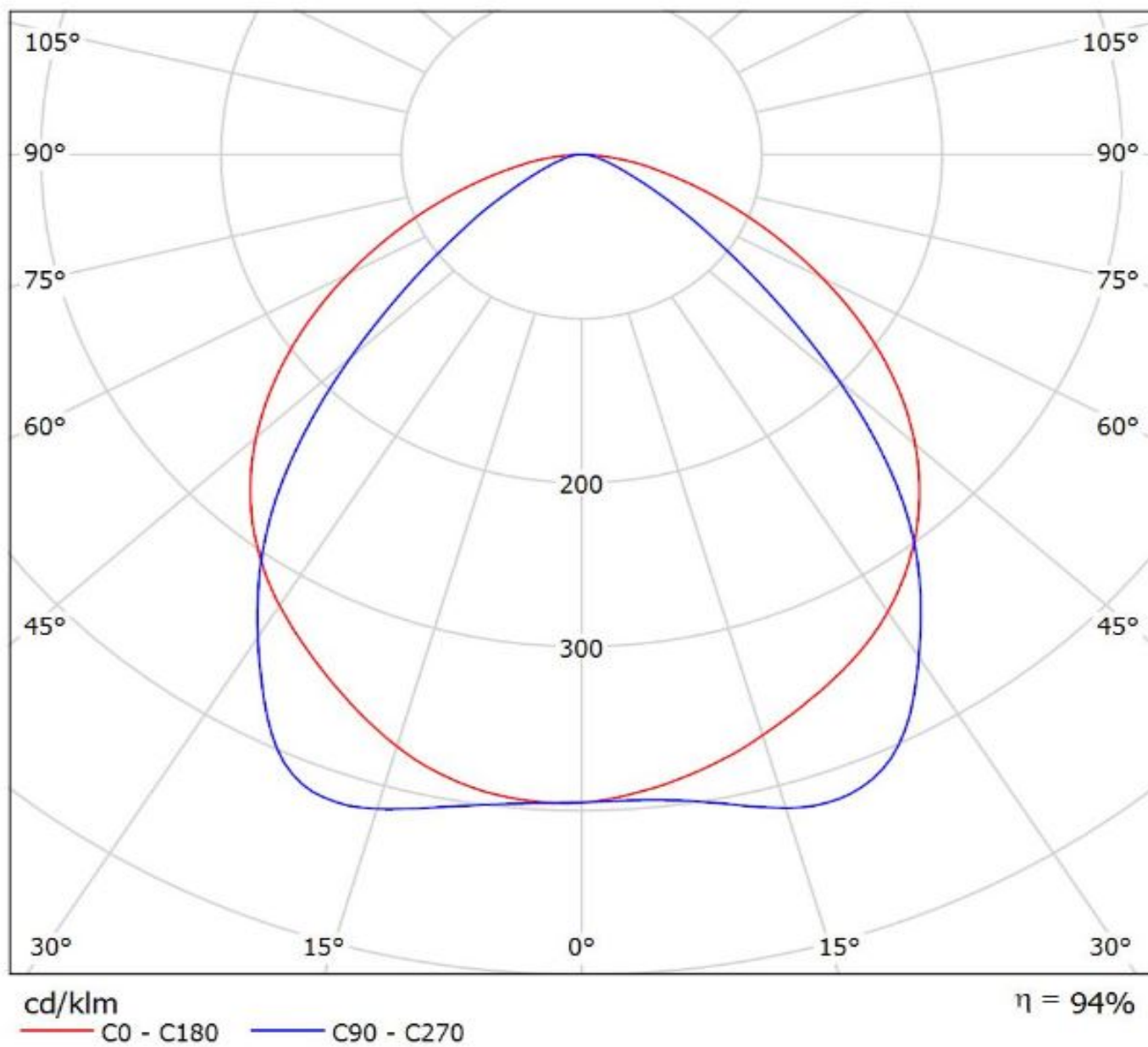
Lamps: 1 x Luxeon_3030_2D_x22_(L130-4080003000W21)

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



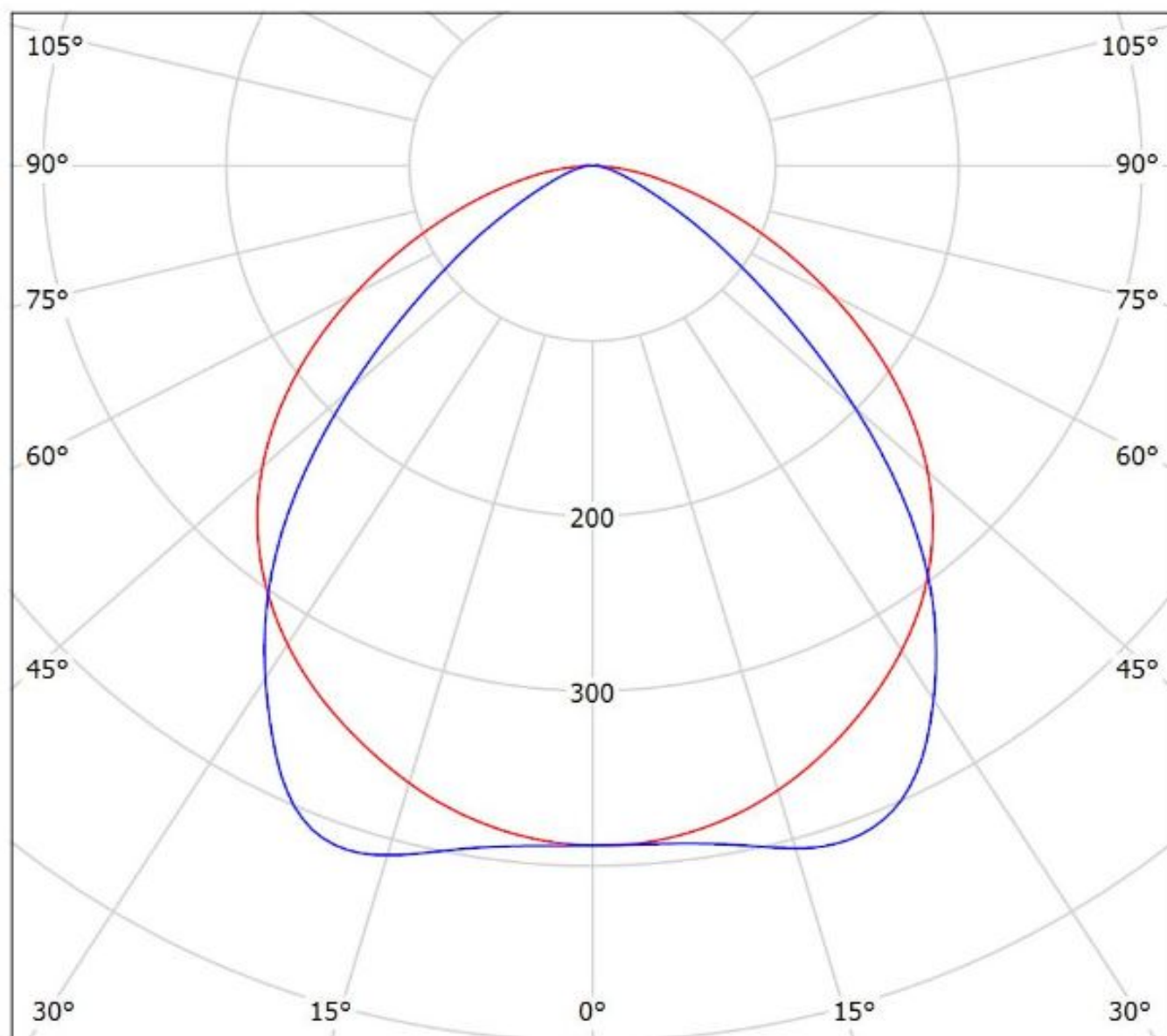
Luminaire: Ledil F14304_FLORENCE-1R-Z90_(3014_x22)

Lamps: 1 x Luxeon_3014_x22_(L130-5080)_282.652lm@60mA_P=1.9076W_I=0.060mA



Luminaire: Ledil F14304_FLORENCE-1R-Z90_(3535L_x22)

Lamps: 1 x Luxeon_3535L_x22_(MXA8-PW50)_507.681lm@100mA_P=2.9953W_I=0.100mA

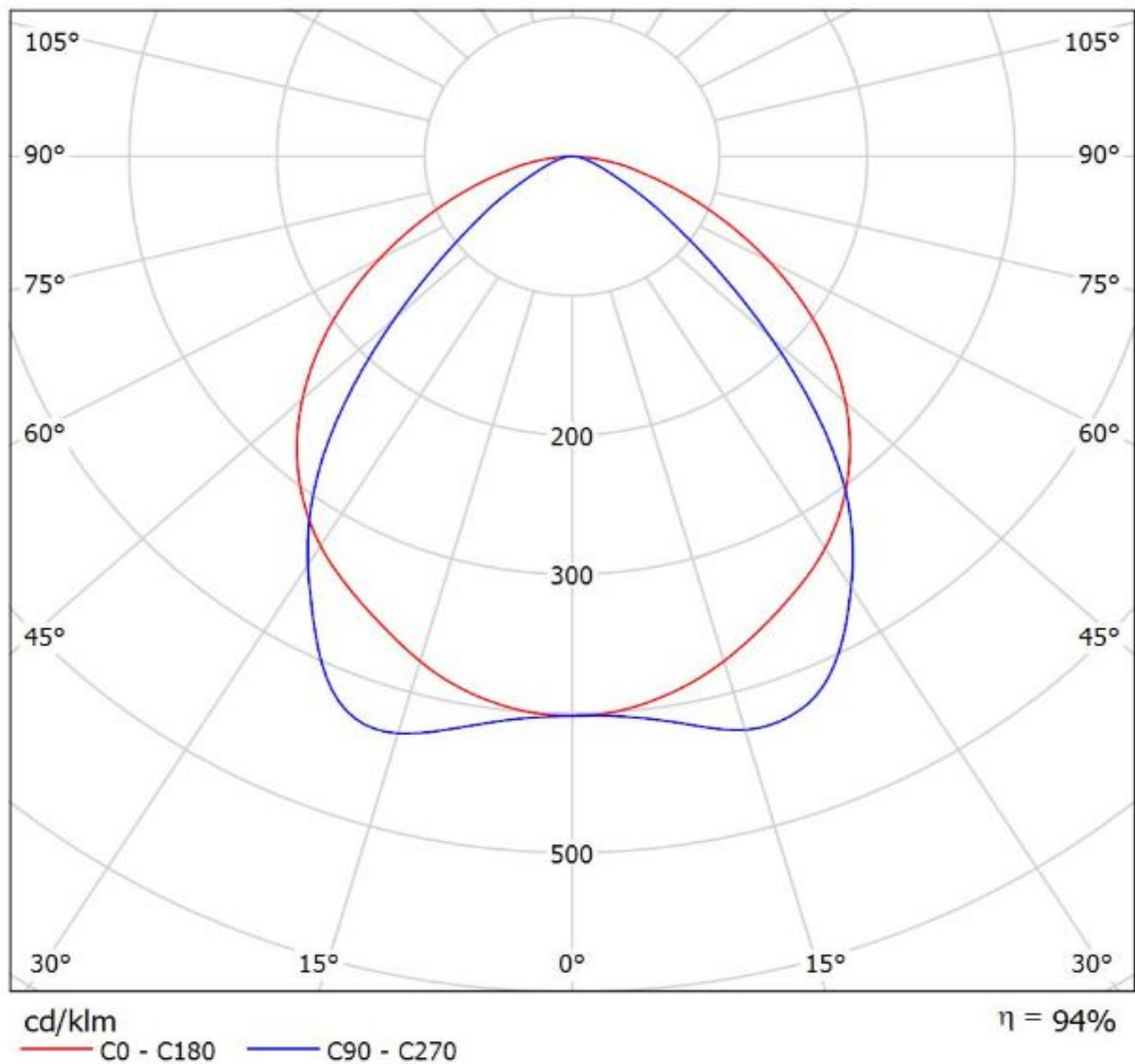


cd/klm

$\eta = 94\%$

— C0 - C180 — C90 - C270

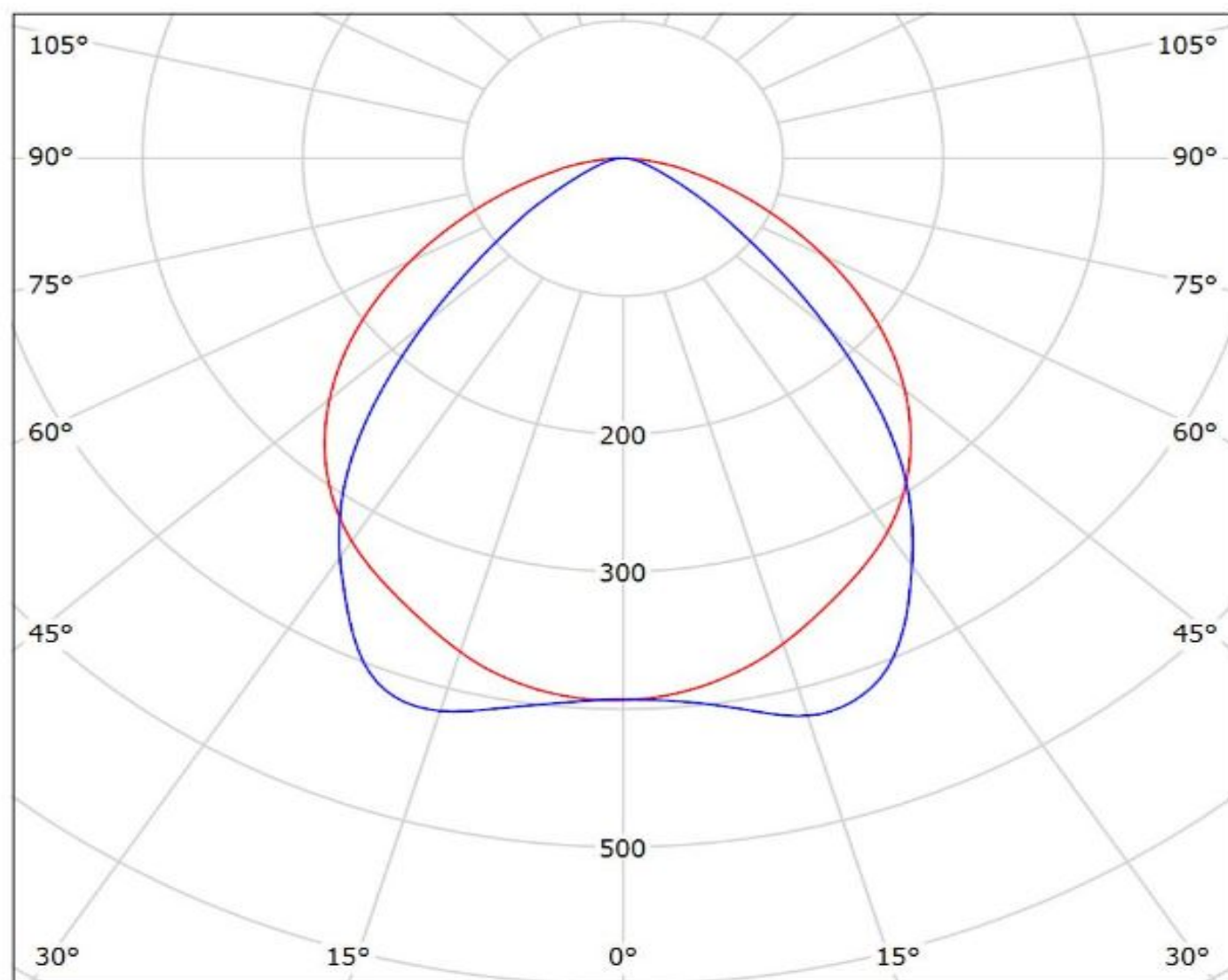
Luminaire: Ledil F14304_FLORENCE-1R-Z90_(3020)
Lamps: 1 x Luxeon_3020_x22_(L130-2780)_488.066lm@120mA_P=3.7731W_I=0.120mA



Ledil F14304_FLORENCE-1R-Z90_(Luminus_MP-2016) / LDC (Polar)

Luminaire: Ledil F14304_FLORENCE-1R-Z90_(Luminus_MP-2016)

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



cd/klm

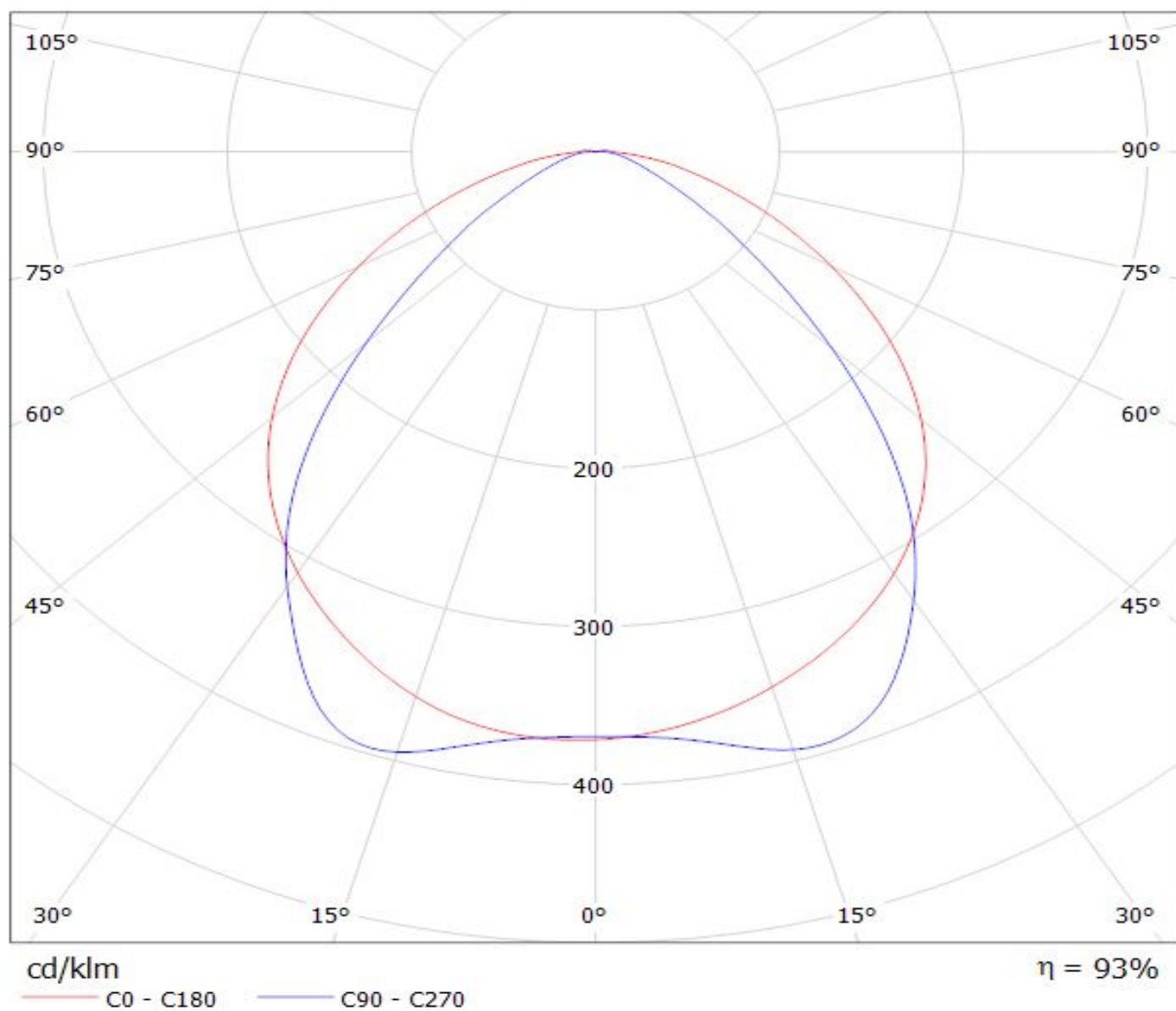
— C0 - C180 — C90 - C270

$\eta = 93\%$

Ledil F14304_FLORENCE-1R-Z90_(NF2x757D) / LDC (Polar)

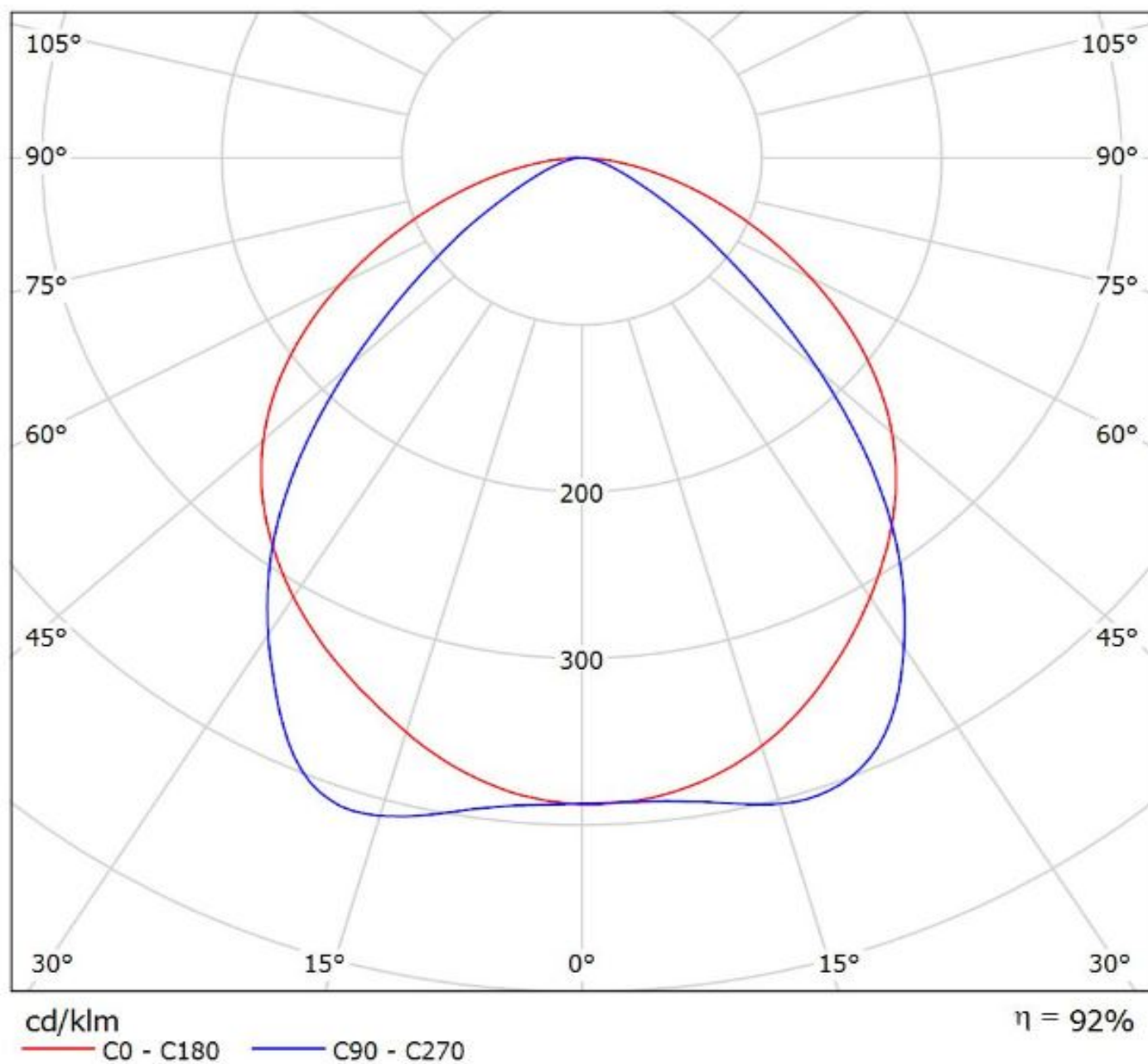
Luminaire: Ledil F14304_FLORENCE-1R-Z90_(NF2x757D)

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

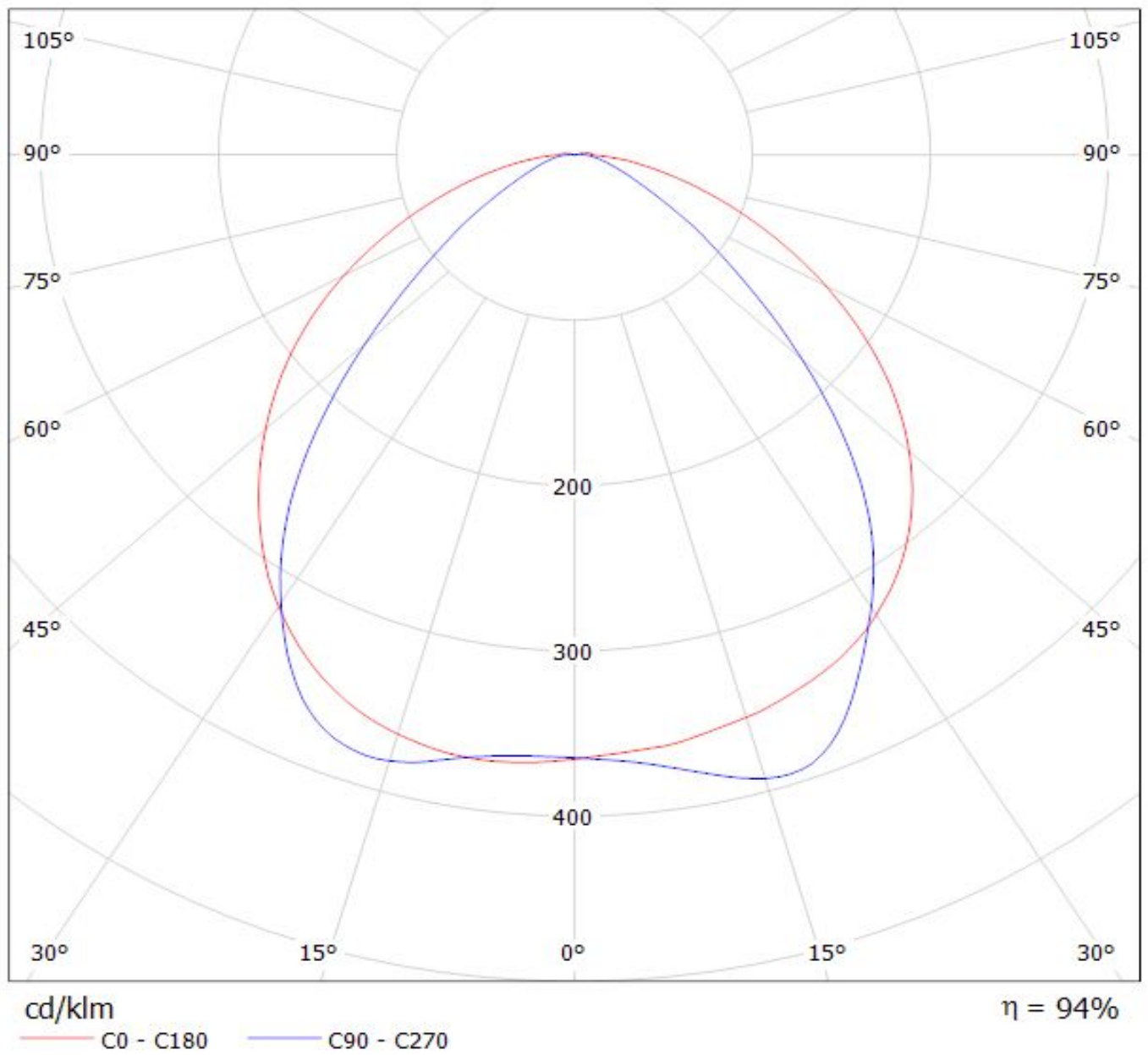


Luminaire: Ledil F14304_FLORENCE-1R-Z90_(NF2W757G)

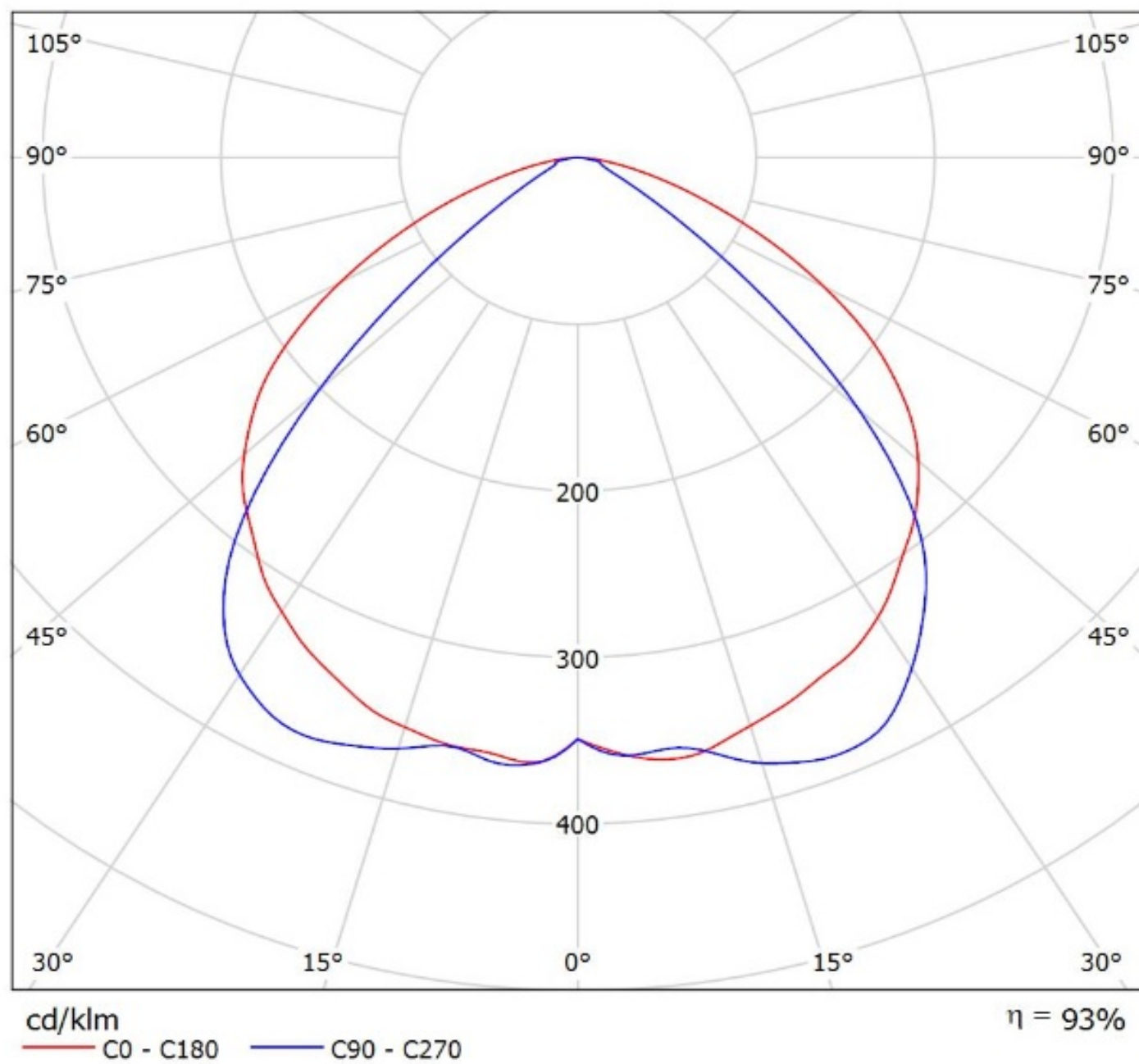
Lamps: 1 x NF2W757G_377.885lm@65mA_CCT=?K_P=1.97W_I=0.065A



Luminaire: Ledil F14304_FLORENCE-1R-Z90_(Duris_S5)
Lamps: 1 x Osram_Duris_S5_(GW_PSLRS1.EC-LQLS-5H7I-1)_993.467lm@100mA_P=8W_I=0.1000A

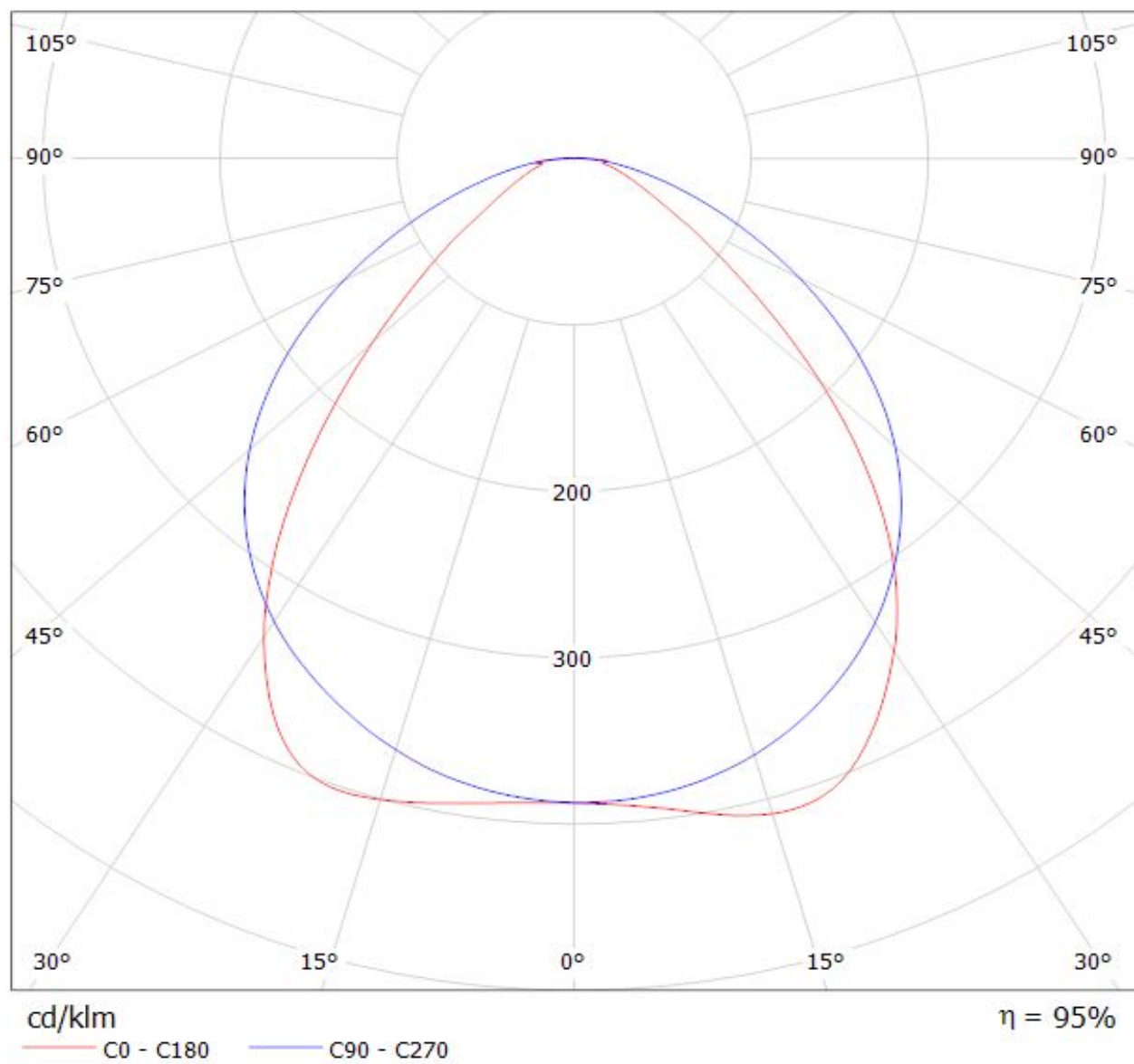


Luminaire: Ledil Oy F14304_FLORENCE-1R-Z90_(Duris_E_2835)_SIMULATED
Lamps: 1 x Osram Duris E 2835 - GW JTLRS1.EM



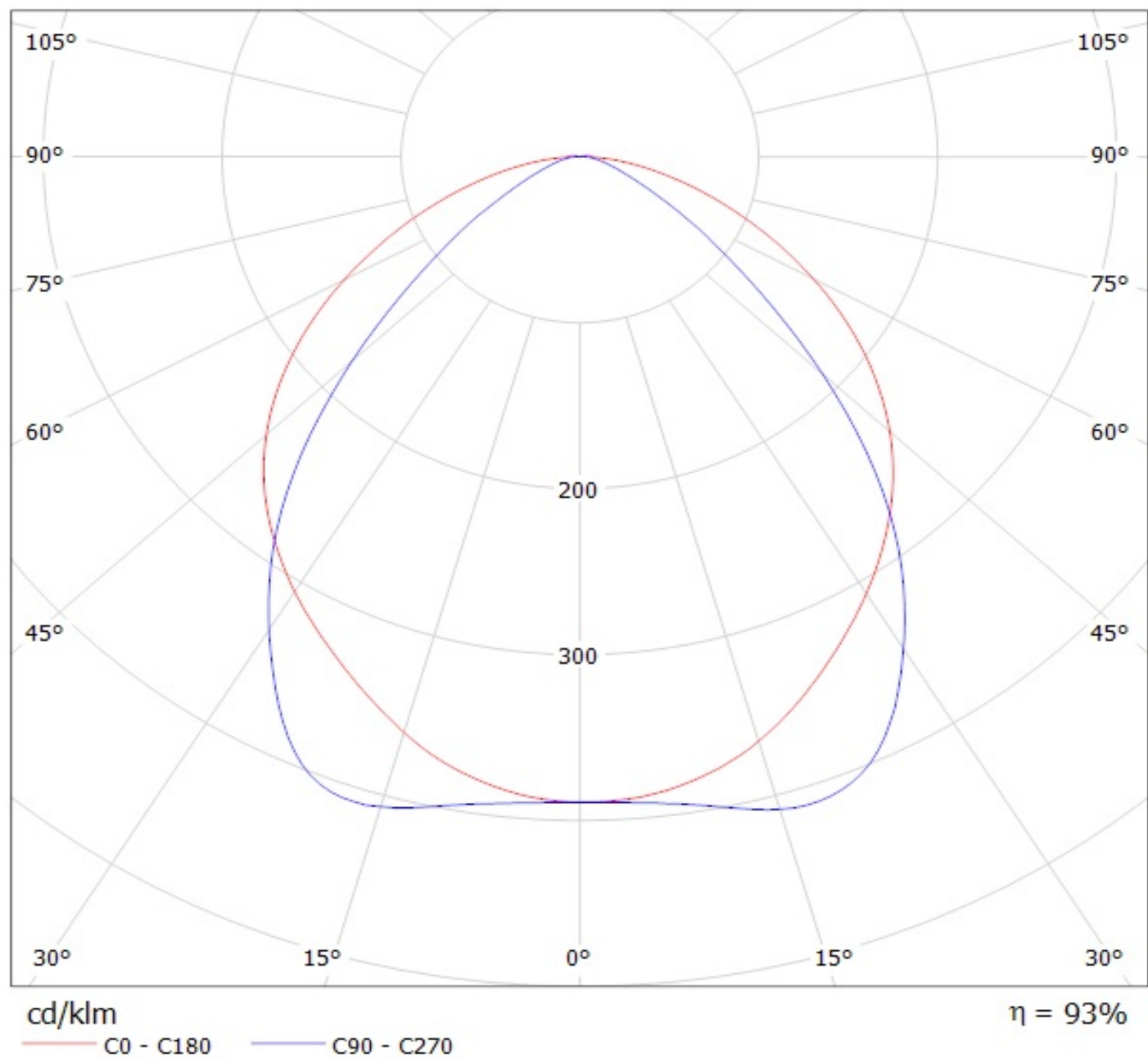
Luminaire: LEDiL Oy F14304_FLORENCE-1R-Z90

Lamps: 1 x Fortimo LED Line 1ft 1100lm 1R_1033.71lm@250mA_P=8.41851W_I=249.8mA



Luminaire: LEDiL Oy F14304_FLORENCE-1R-Z90_(LM302A)

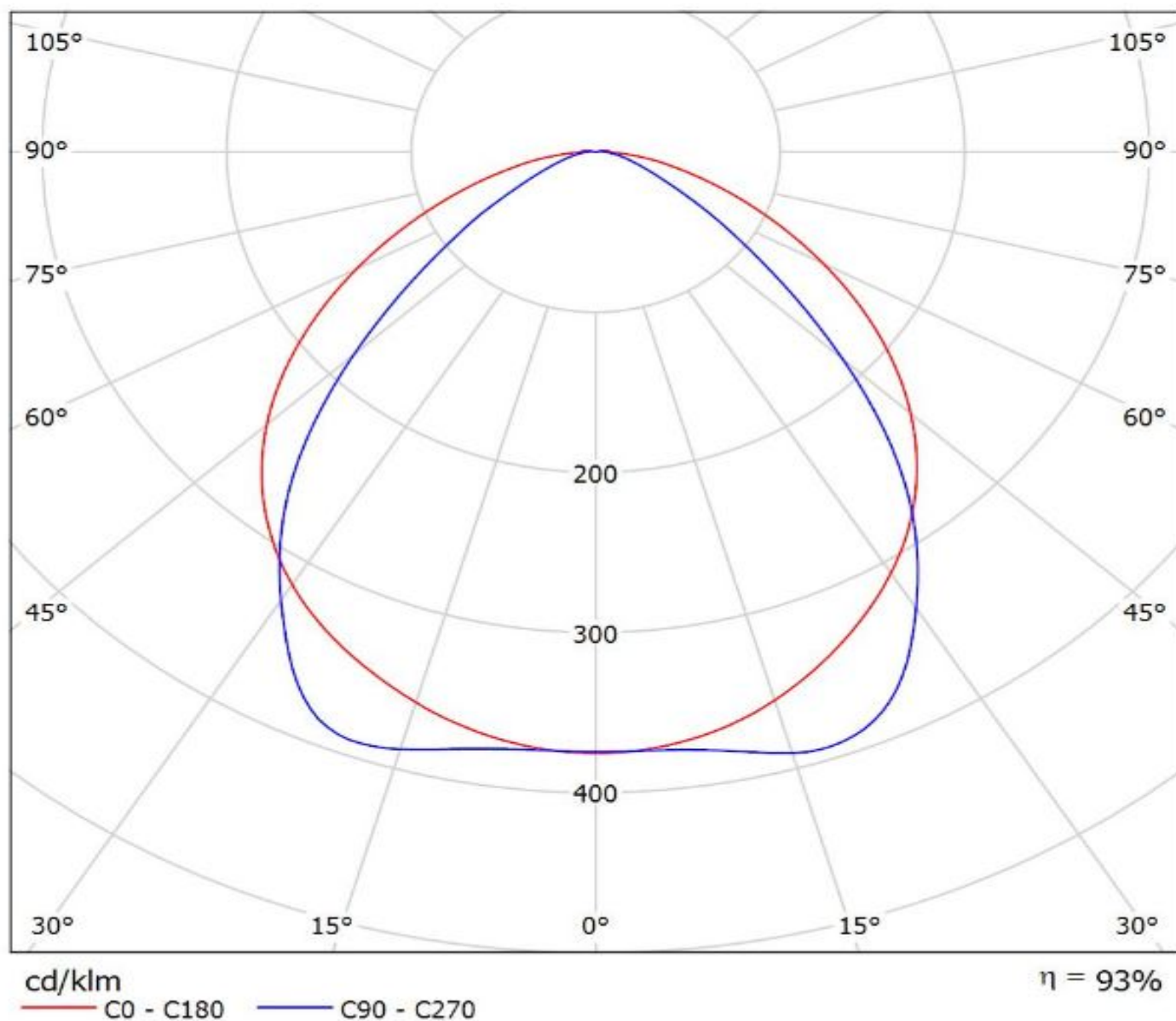
Lamps: 1 x Samsung_LM302A_865.46lm@100mA_P=6.64694W_I=0.1001A



Ledil F14304_FLORENCE-1R-Z90_(LM561B) / LDC (Polar)

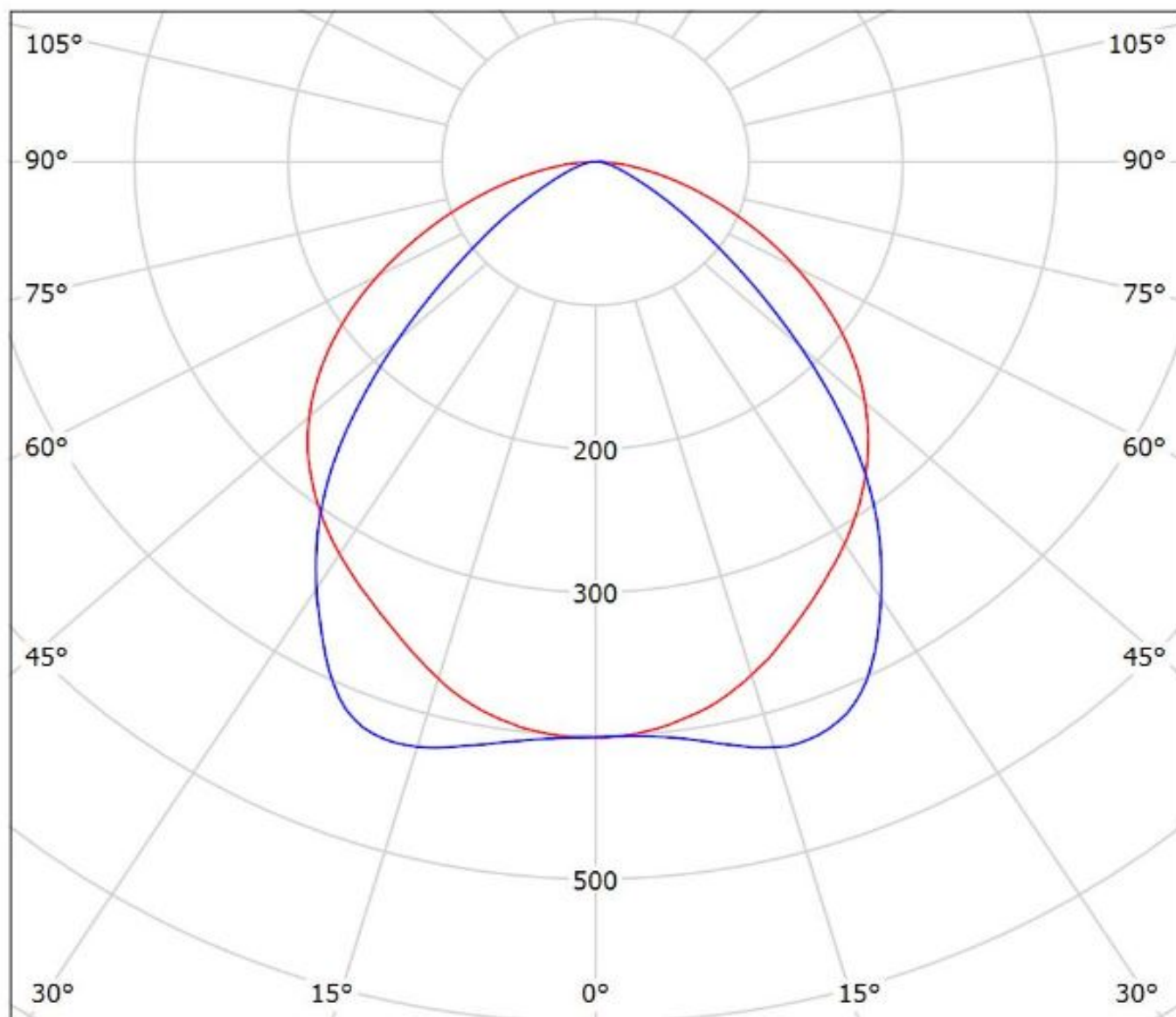
Luminaire: Ledil F14304_FLORENCE-1R-Z90_(LM561B)

Lamps: 1 x Samsung_LM561B_x22_348.84lm@65mA_P=1.97W_I=65mA



Luminaire: Ledil F14304_FLORENCE-1R-Z90_(LM301A)

Lamps: 1 x Samsung_LM301A_x11_(SPMWHT328FD5WAT0S0)_1087.4lm@250mA_P=8.1922W_I=0.25A



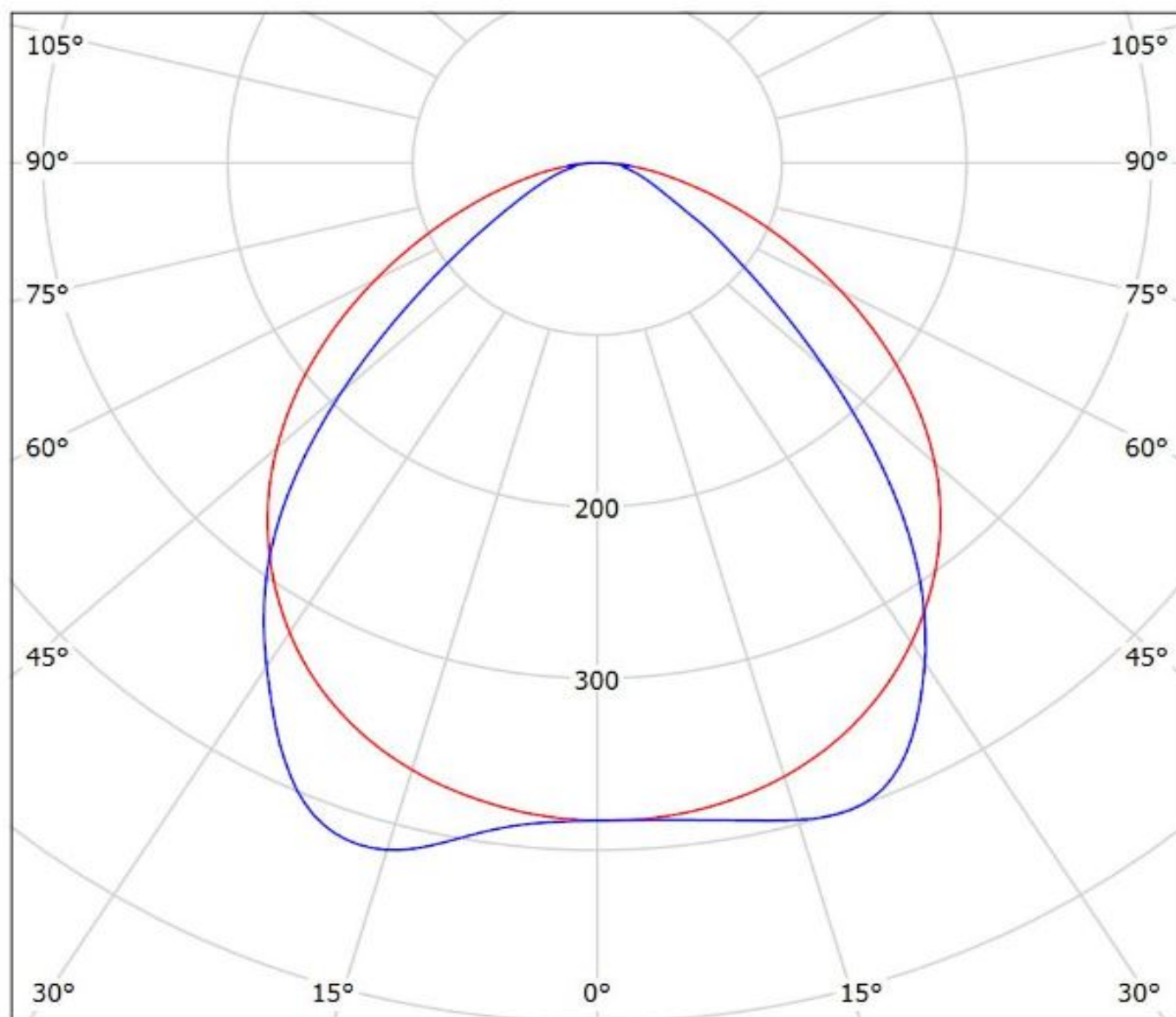
cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: Ledil F14304_FLORENCE-1R-Z90_(LT-S282N)

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



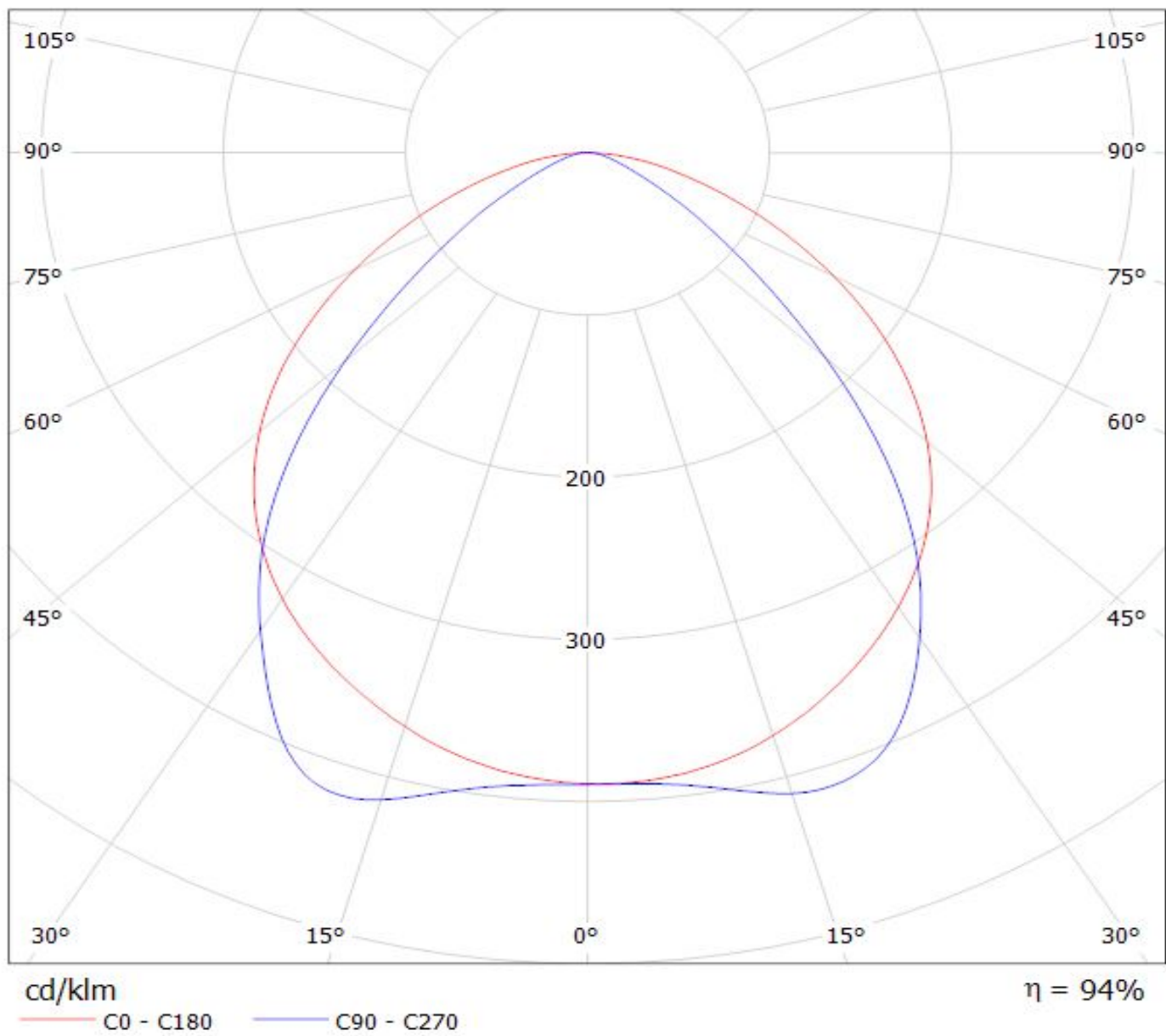
cd/klm

— C0 - C180

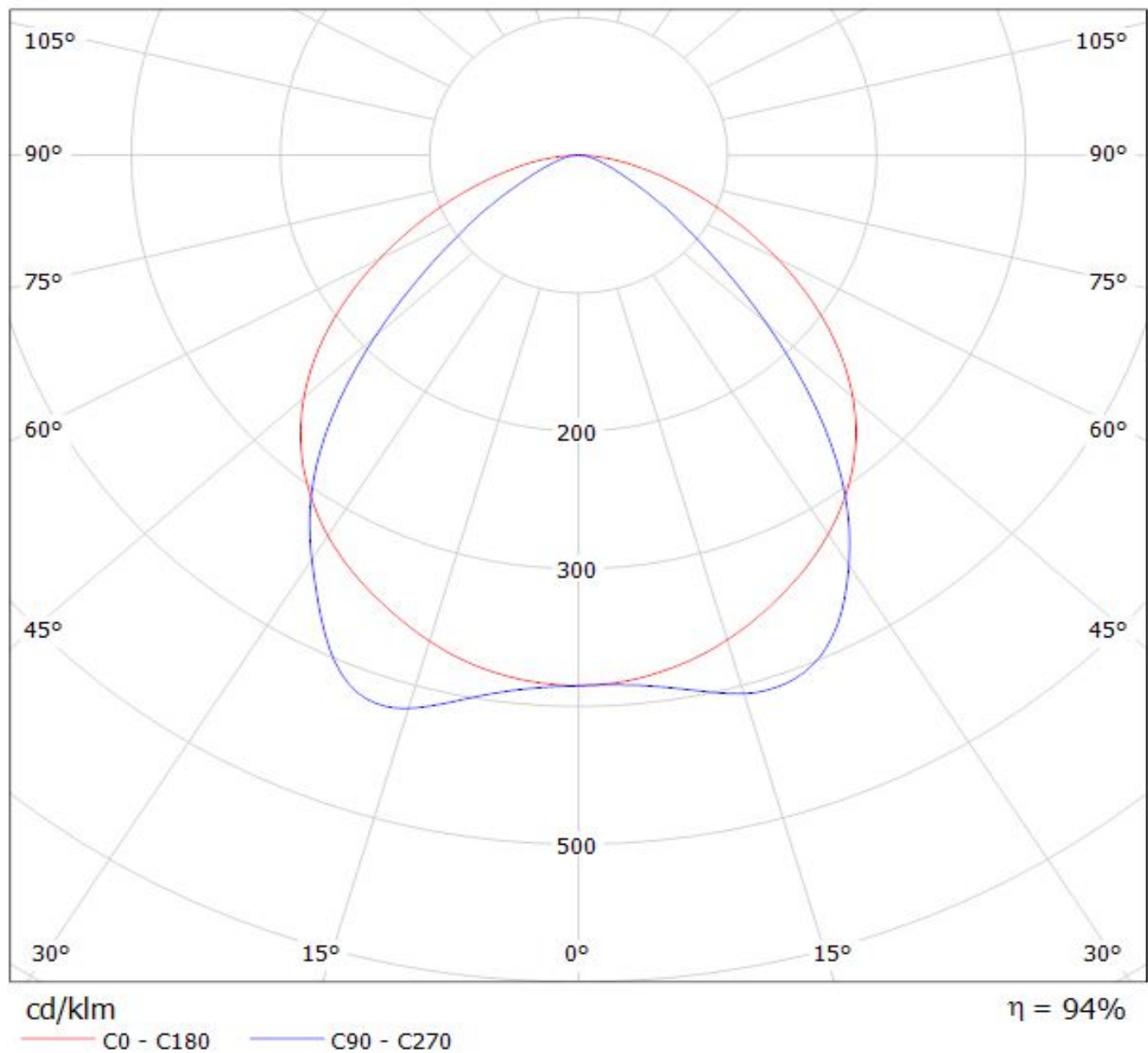
— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F14304_FLORENCE-1R-Z90_(LM561C)
Lamps: 1 x Samsung_LM561C_688.201lm@130mA_P=3.9390W_I=0.130A



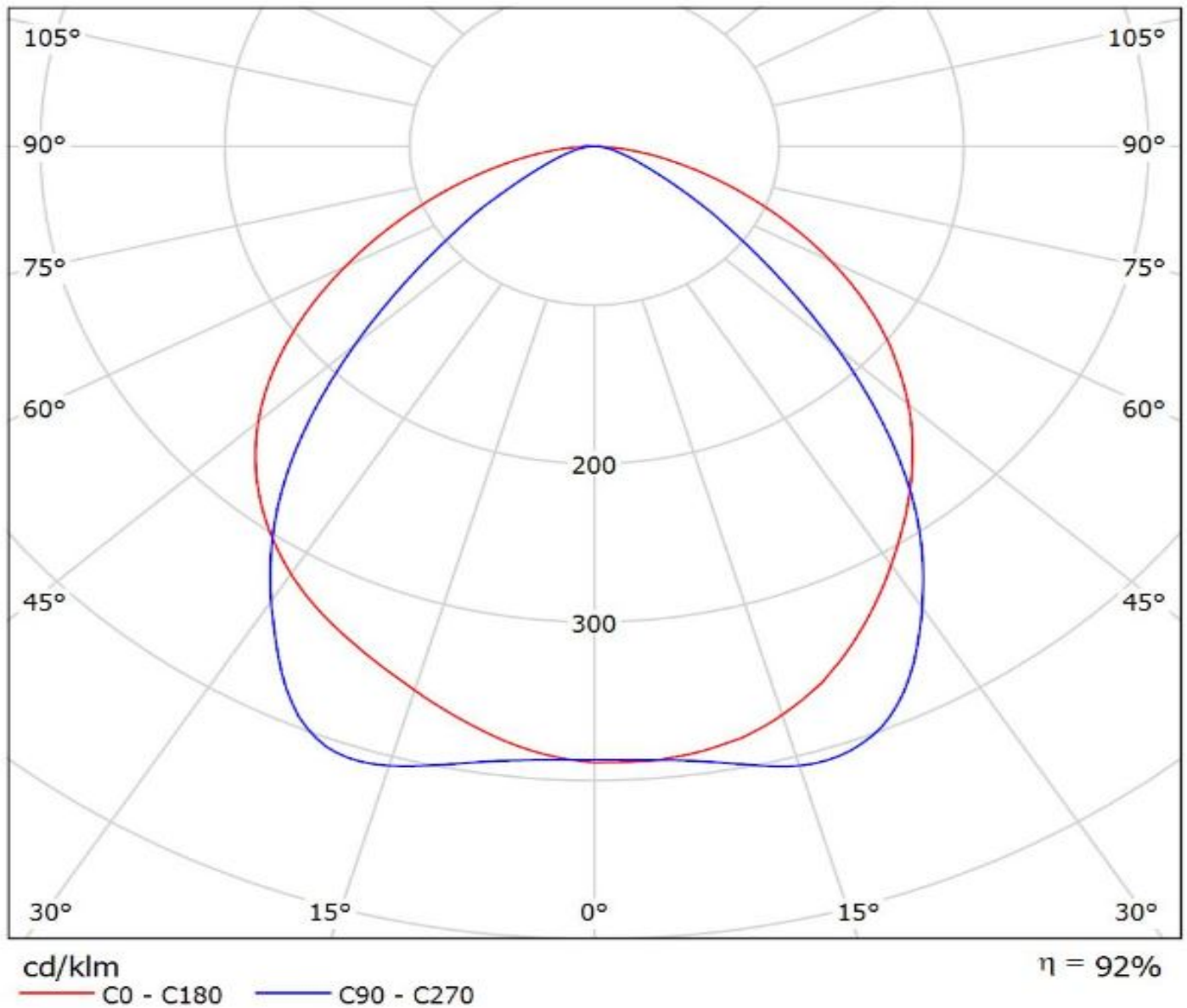
Luminaire: LEDiL Oy F14304_FLORENCE-1R-Z90_(LM281B)
Lamps: 1 x Samsung_LM281B_1309.14lm@300mA_P=10.244W_I=0.300A



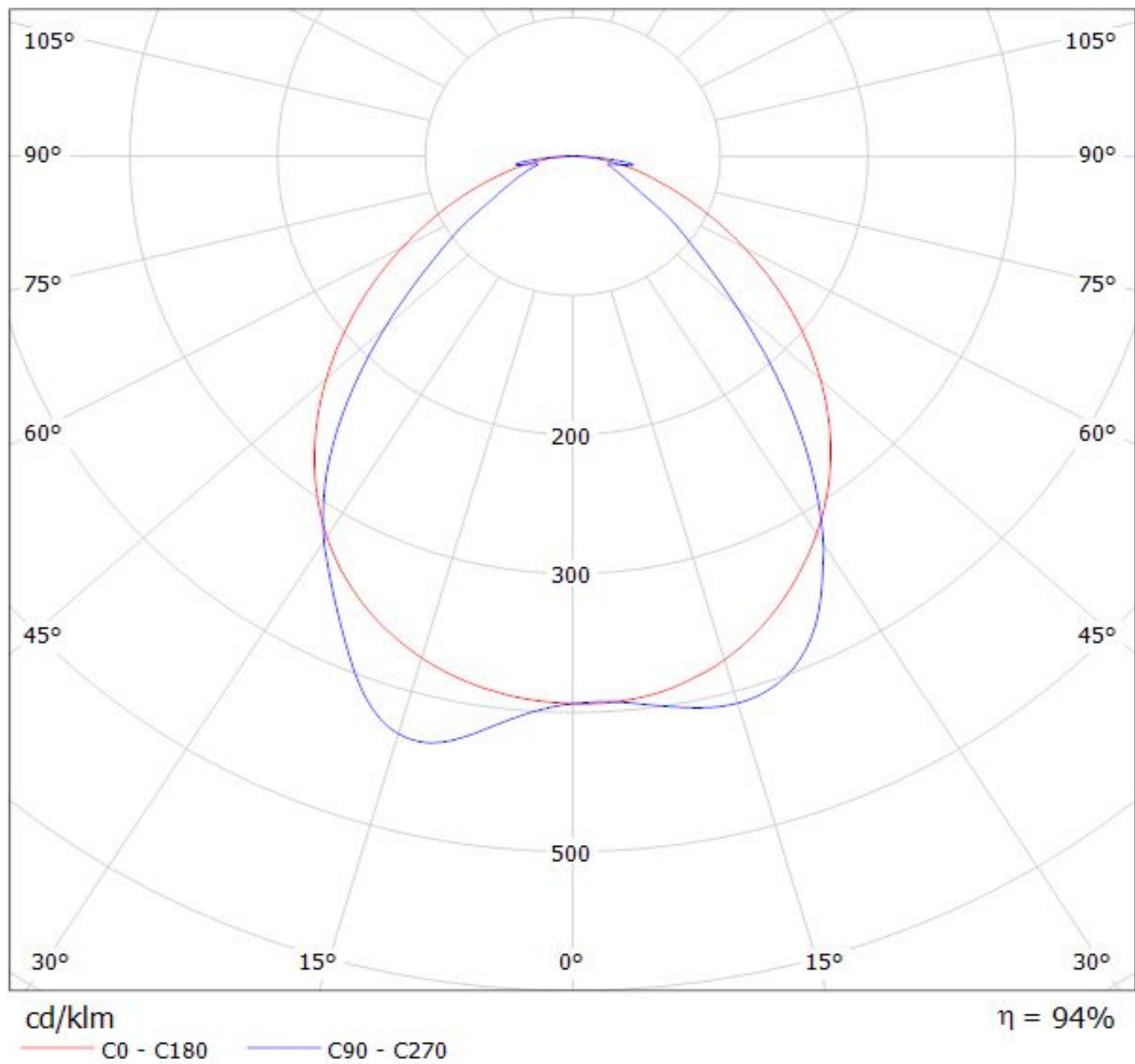
Ledil F14304_FLORENCE-1R-Z90_(Seoul_3030) / LDC (Polar)

Luminaire: Ledil F14304_FLORENCE-1R-Z90_(Seoul_3030)

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

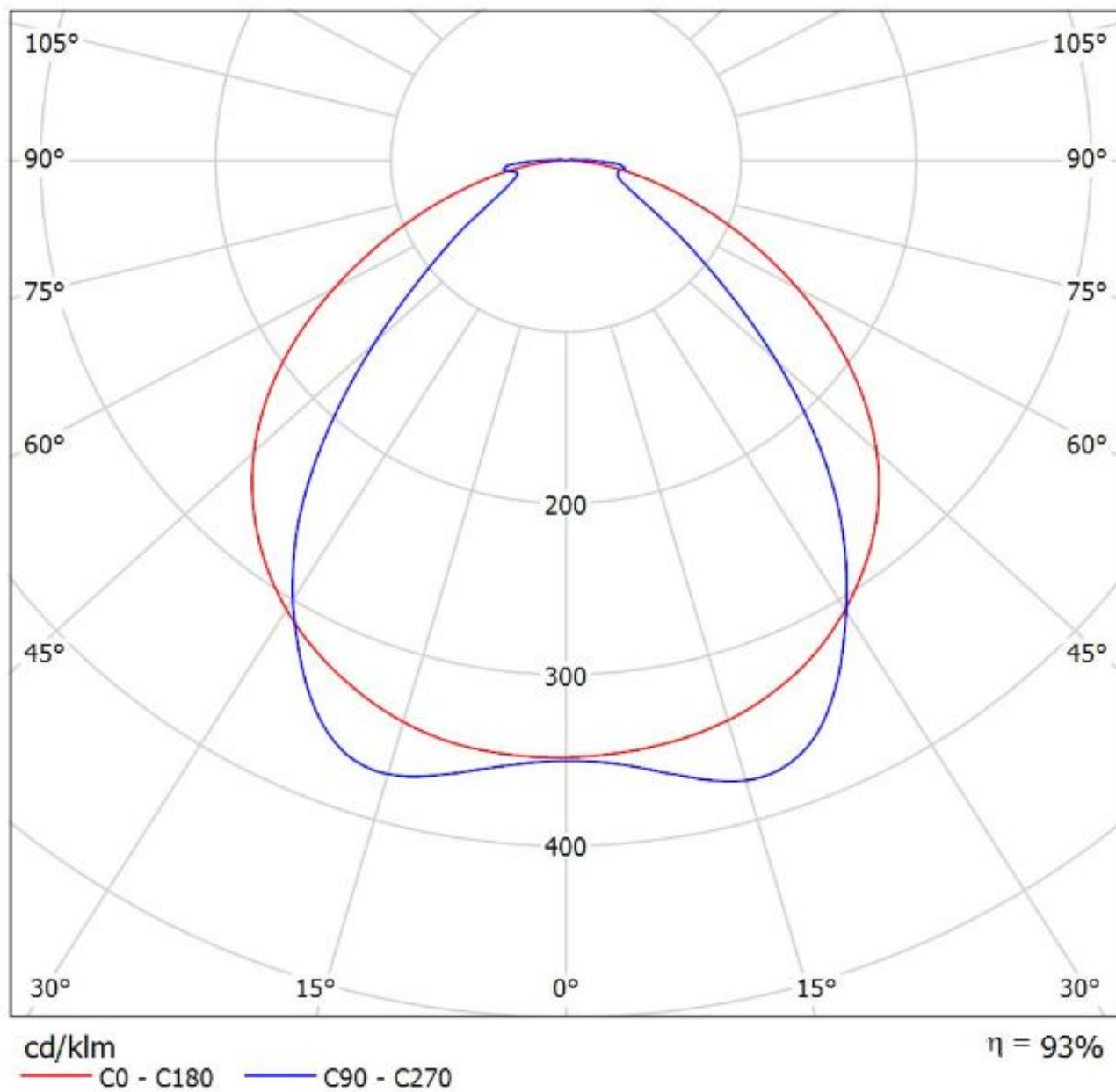


Luminaire: Ledil F14304_FLORENCE-1R-Z90_(SunLike_3030)
Lamps: 1 x SEOUL_SunLike_3030_(STW9C2PB-S)_2_240.649lm@0.65mA_P=2.30531W_U=35.538V



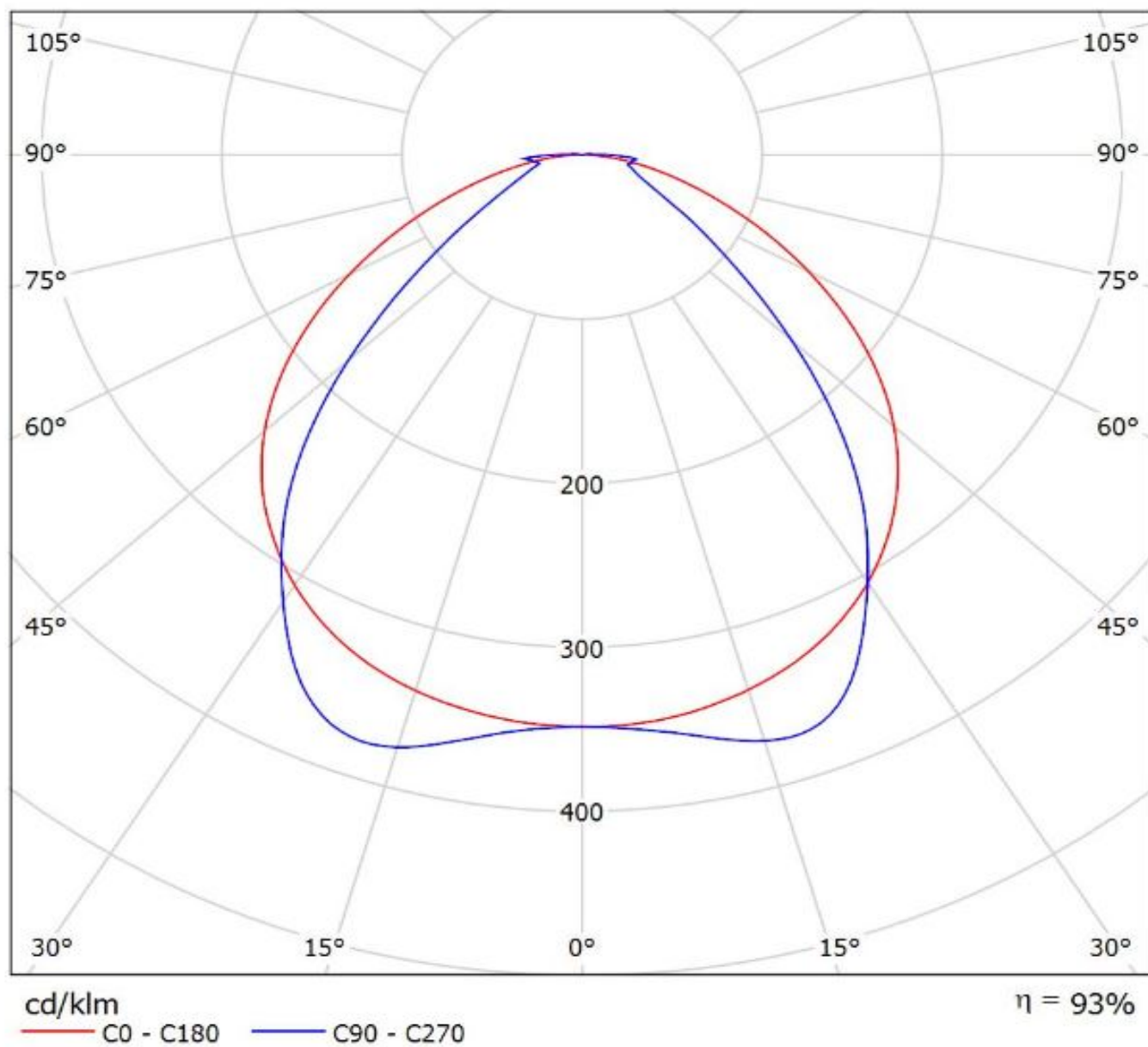
Luminaire: Ledil F14304_FLORENCE-1R-Z90_(CALGD0414-M8W1)

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



Luminaire: Ledil F14304_FLORENCE-1R-Z90_(CALGD0814-M17W1)

Lamps: 1 x Citizen_(CALGD0814-M17W1)_1098.26lm@350mA_P=7.96302W_η=0.3499A



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.