

DETAILS

Product Number	F14170_FLORENCE-ZT25
Family	Florence
Type	Lens array
Color	clear
Diameter	286 + 61 mm
Height	11 mm
Style	rectang
Optic Material	PMMA
Holder Material	
Fastening	screw
Status	production ready
ROHS Comliant	Yes
Date Updated	4/07/2016



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
5630 (ASMU-LWG0-NxxE)	asymmetric deg	Asymmetric	94 %	0.570	-
TRIDINO R3 8x0 1100 1ft HV	Asymmetric deg	Asymmetric	94 %	0.590	-
XP-G	sim: Asymmetric	Asymmetric	sim: 94 %	-	-
XH-B/G	asymmetric deg	Asymmetric	93 %	0.500	-
LG 5630	Asymmetric deg	Asymmetric	94 %	-	-
LG 6030	asymmetric deg	Asymmetric	94 %	0.600	-
LUXEON 3535 2D	asymmetric deg	Asymmetric	94 %	0.600	-
LUXEON 3030 2D	Asymmetric deg	Asymmetric	92 %	0.560	-
LUXEON XR-3535L (L202 - xxxx033C3003)	asymmetric deg	Asymmetric	94 %	0.610	-
MP-2016	Asymmetric deg	Asymmetric	94 %	0.630	-
NF2x757D	asymmetric deg	Asymmetric	94 %	0.600	-
NF2x757G	asymmetric deg	Asymmetric	sim: 93 %	sim: 0.610	-
Duris E5	asymmetric deg	Asymmetric	94 %	0.600	-
Duris S5 (Single chip)	asymmetric deg	Asymmetric	94 %	0.600	-
Duris P5	asymmetric deg	Asymmetric	93 %	0.500	-
PLG2-BAR-1100-xxx-280x55-DC	asymmetric deg	Asymmetric	94 %	0.600	-
Duris S2	Asymmetric deg	Asymmetric	93 %	0.510	-
Duris E 2835	sim: Asymmetric	Asymmetric	sim: 94 %	sim: 0.610	-
Fortimo LED Line 1ft 650lm 8x0 3R xV2/AV2	sim: Asymmetric	Asymmetric	sim: 93 %	sim: 0.630	-
Fortimo LED Line 1ft 1100lm xx0 3R xV2/AV2	sim: Asymmetric	Asymmetric	sim: 93 %	-	-
Fortimo LED Line 1ft 2000lm 8xx 3R HV2	Asymmetric deg	Asymmetric	94 %	0.620	-
LM561B	asymmetric deg	Asymmetric	94 %	0.600	-
LM231 A/B	asymmetric deg	Asymmetric	94 %	0.600	-
LT-R286A	asymmetric deg	Asymmetric	94 %	0.590	-
SEOUL 5630C	sim: Asymmetric	Asymmetric	sim: 94 %	sim: 0.610	-



PRODUCT DATASHEET

Florence series

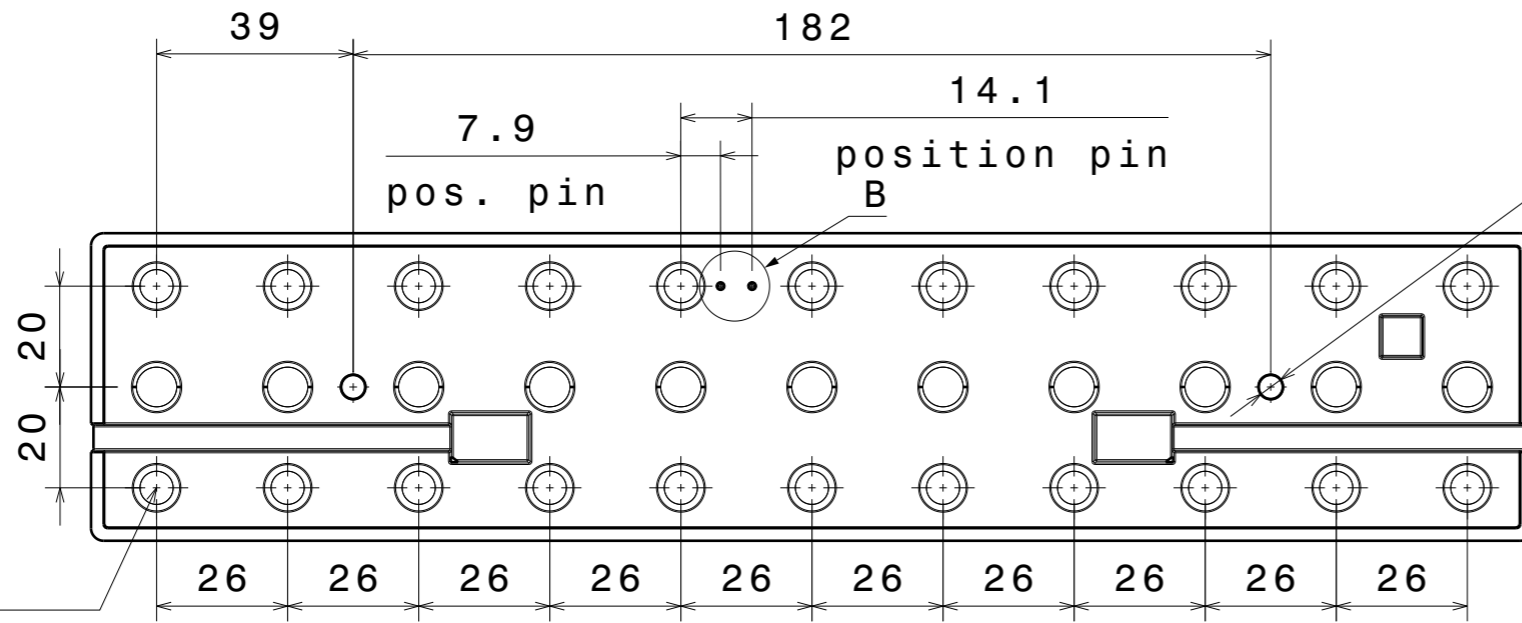
last update 4/7/2016

OPTICAL PROPERTIES

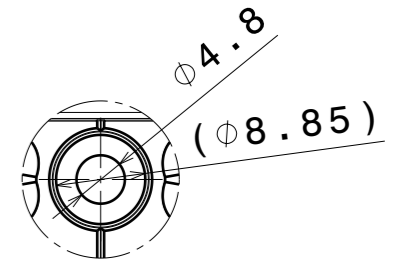
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
SEOUL 5630D	sim: Asymmetric	Asymmetric	sim: 94 %	sim: 0.620	-
STARK LLE-55-280-1650 CLASSIC	asymmetric deg	Asymmetric	94 %	0.570	-

NOTE: INCOMPATIBLE WITH C14437_FLORENCE-PF-3R

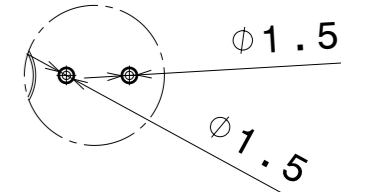
4
Bottom view



3
Led center position



Detail A

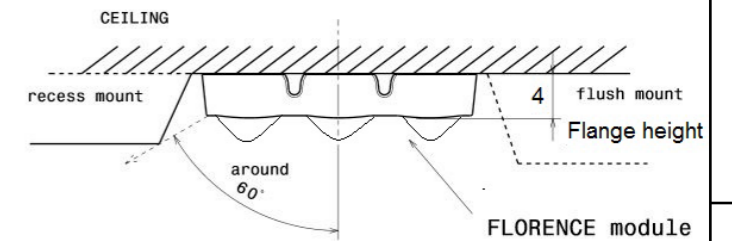
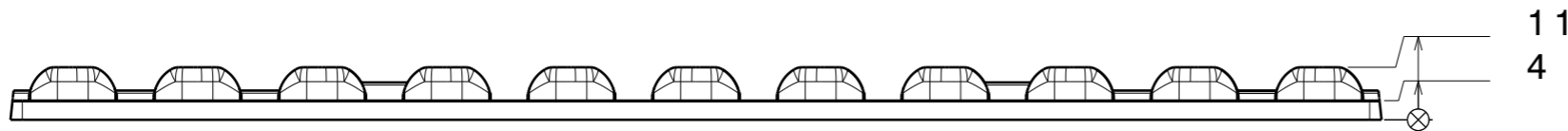


Detail B

$\phi 4.8$
M4 screw recommended

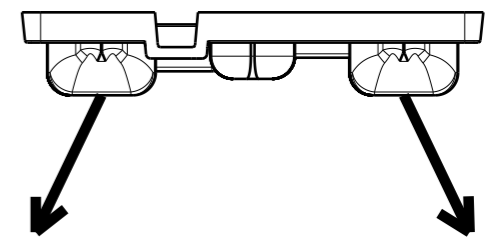
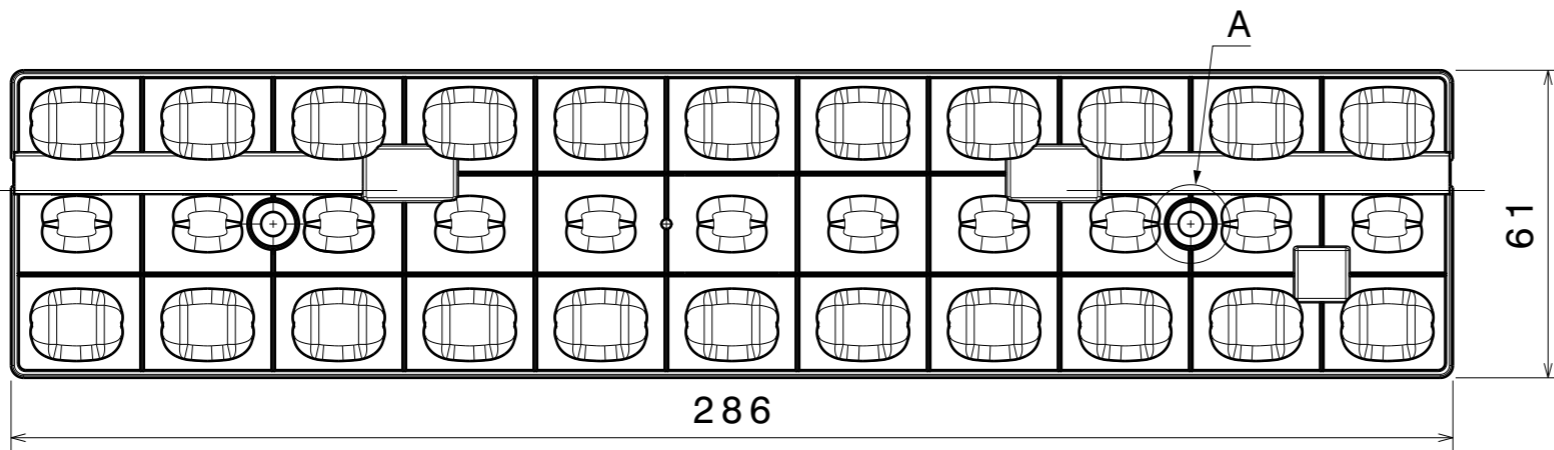
Wire outlet both sides

Front view



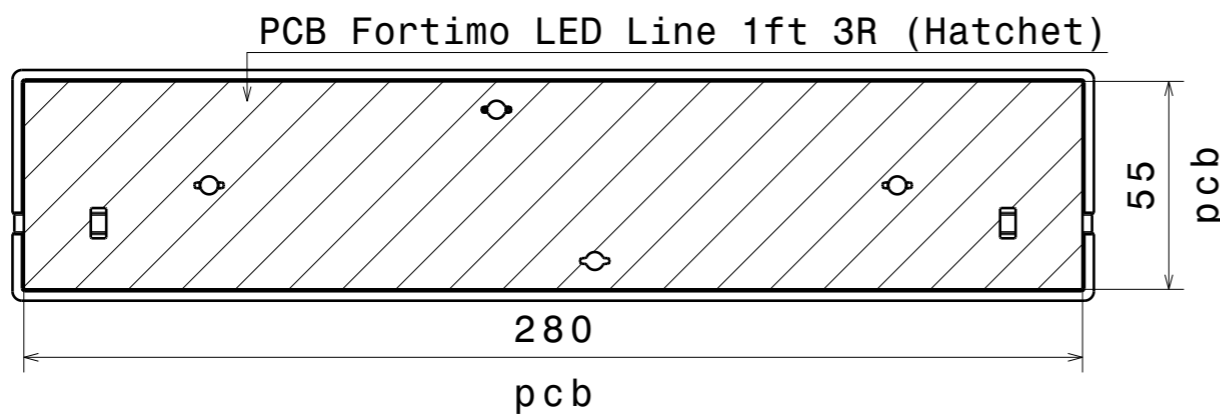
Typical setup

2
Top view



Double asymmetric light direction

1
PCB EXAMPLE



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F14170	FLORENCE-ZT25	PMMA	

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

LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
F14170_FLORENCE-ZT25

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SIZE	PART NUMBER
A3	F14170

SCALE	1:1	WEIGHT	- g	SHEET	1/1
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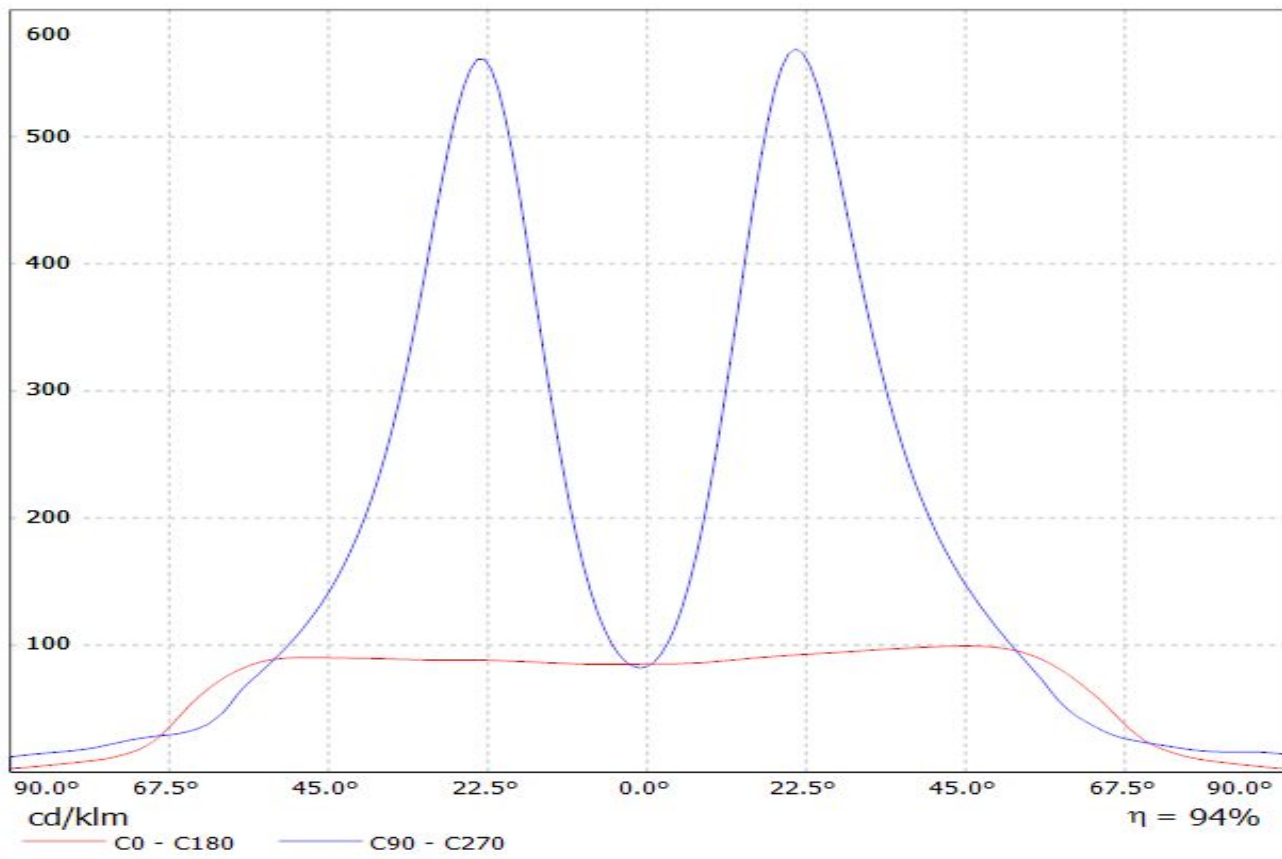
H

G

B

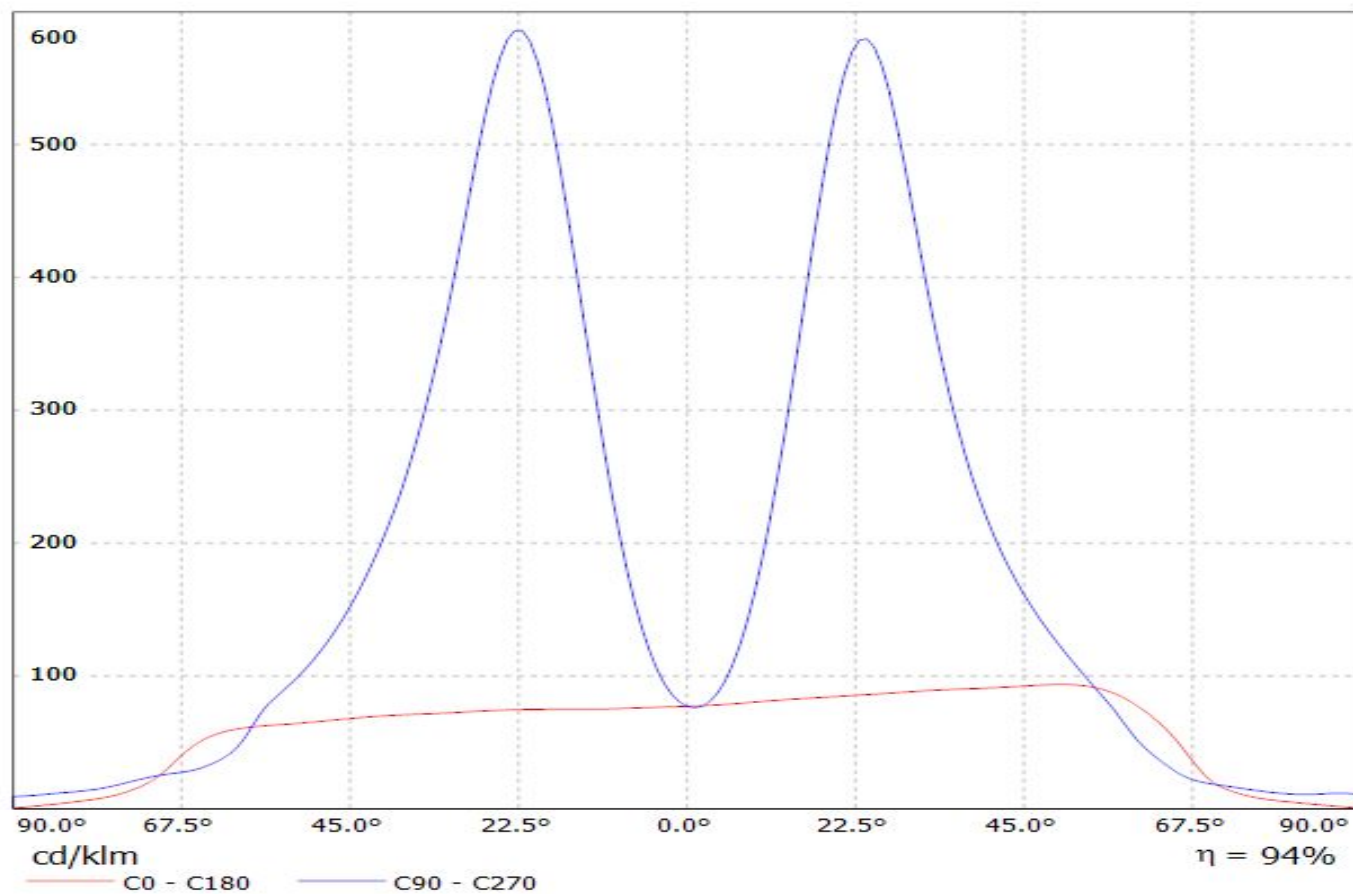
A

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(AVAGO 5630 0.5W)
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V

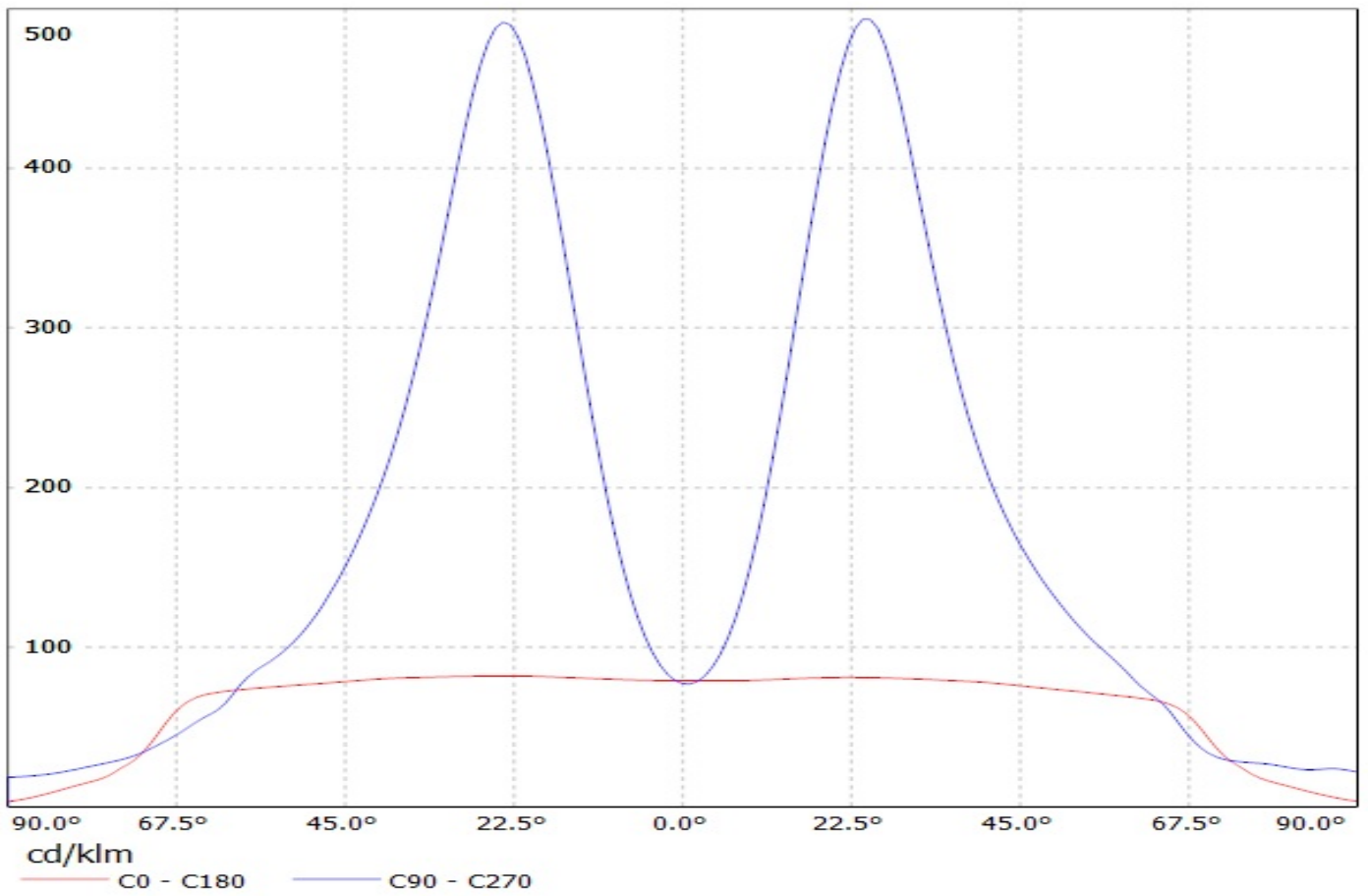


Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(TRIDINO-R3)_GS

Lamps: 1 x Comet_Electronic sin_TRIDINO-R3-8x0-1100-1ft-HV_1299.6lm@250mA_P=8.07304W_I=0.250A

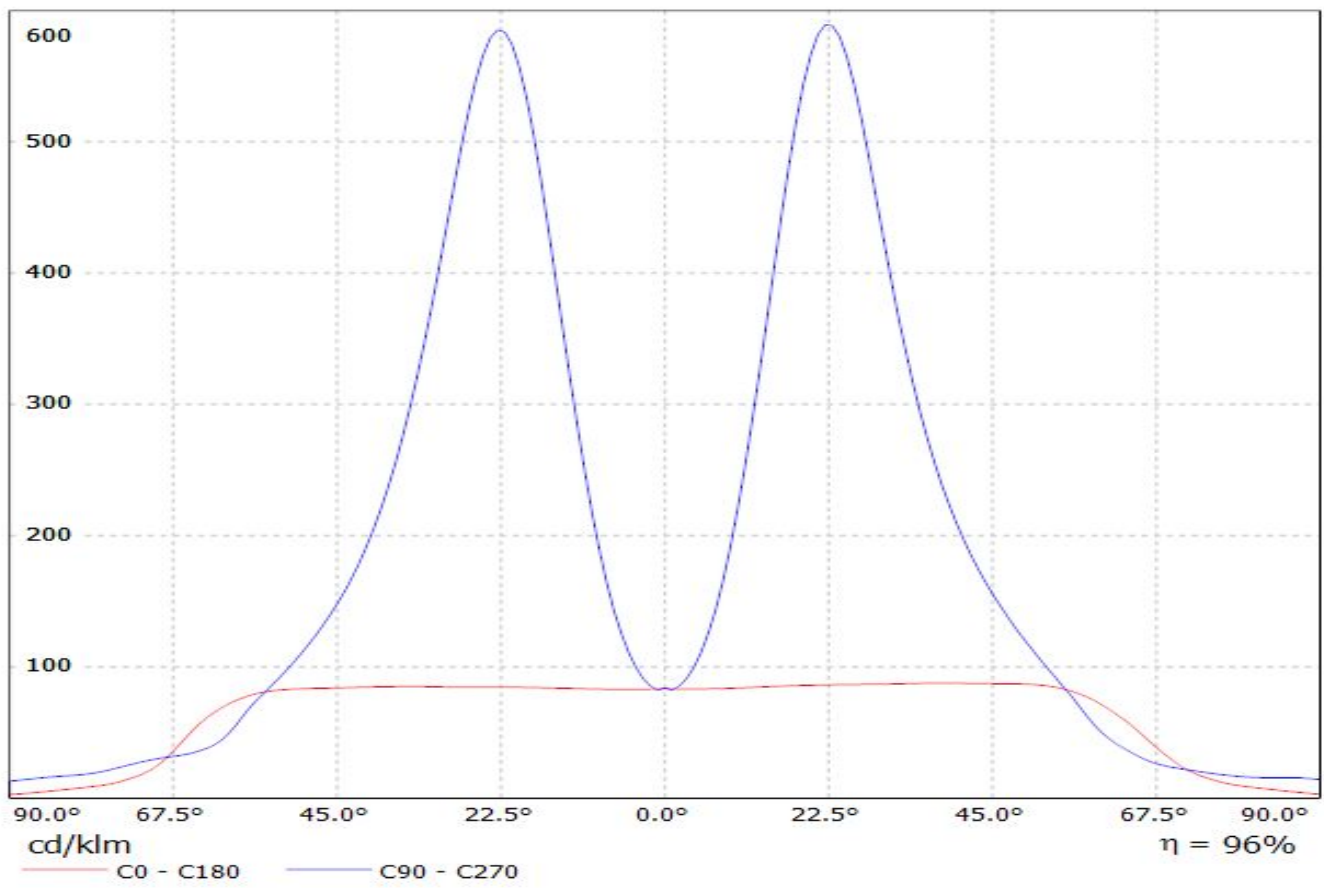


Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(XH-G) Eff: 93%
Lamps: 1 x Cree_XH-G_(XHGAWT-0-7B4-J30-0H)_1063.31lm@250mA_P=8.12225W_I=0.2498A

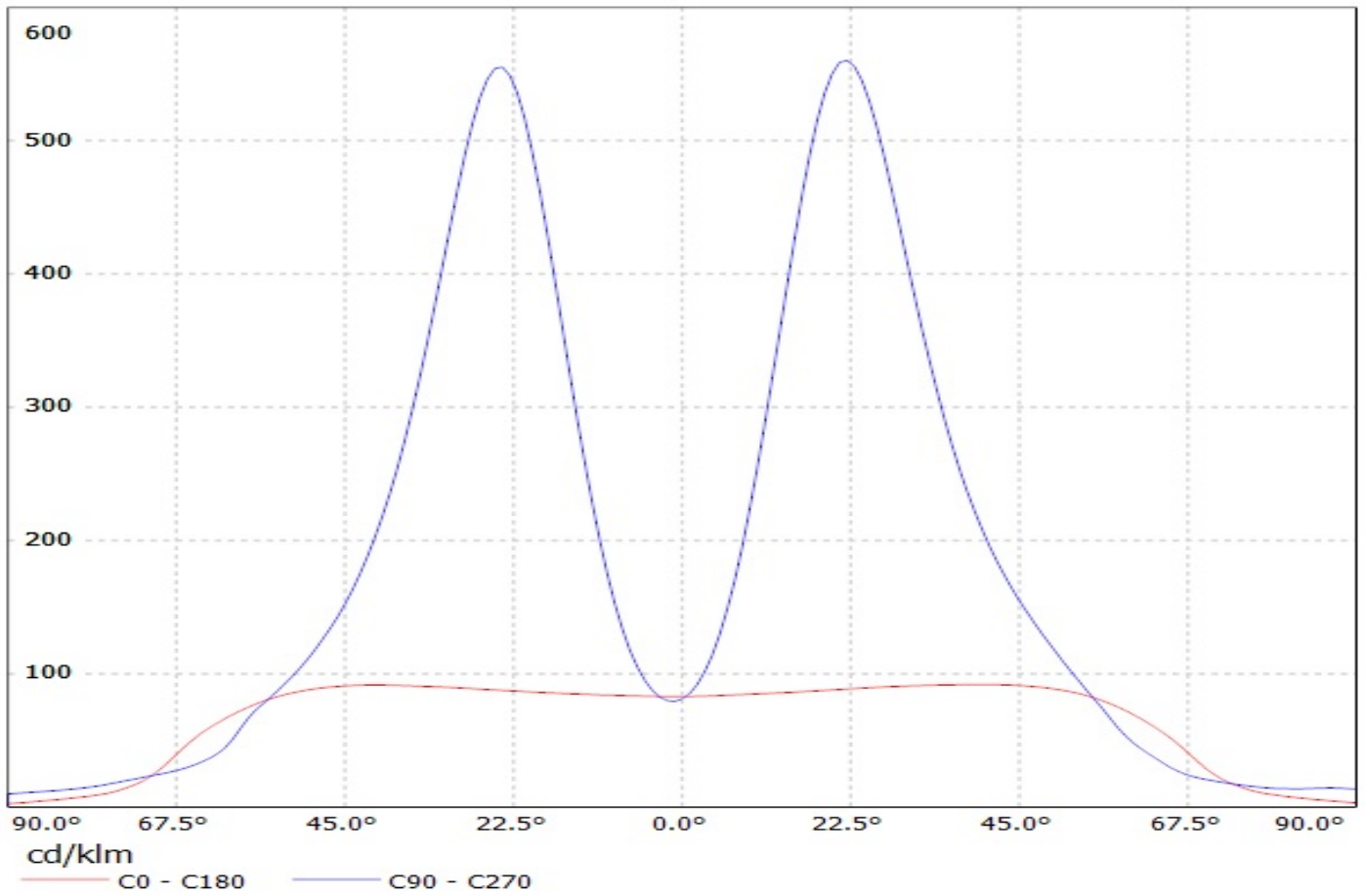


Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LG_5630)

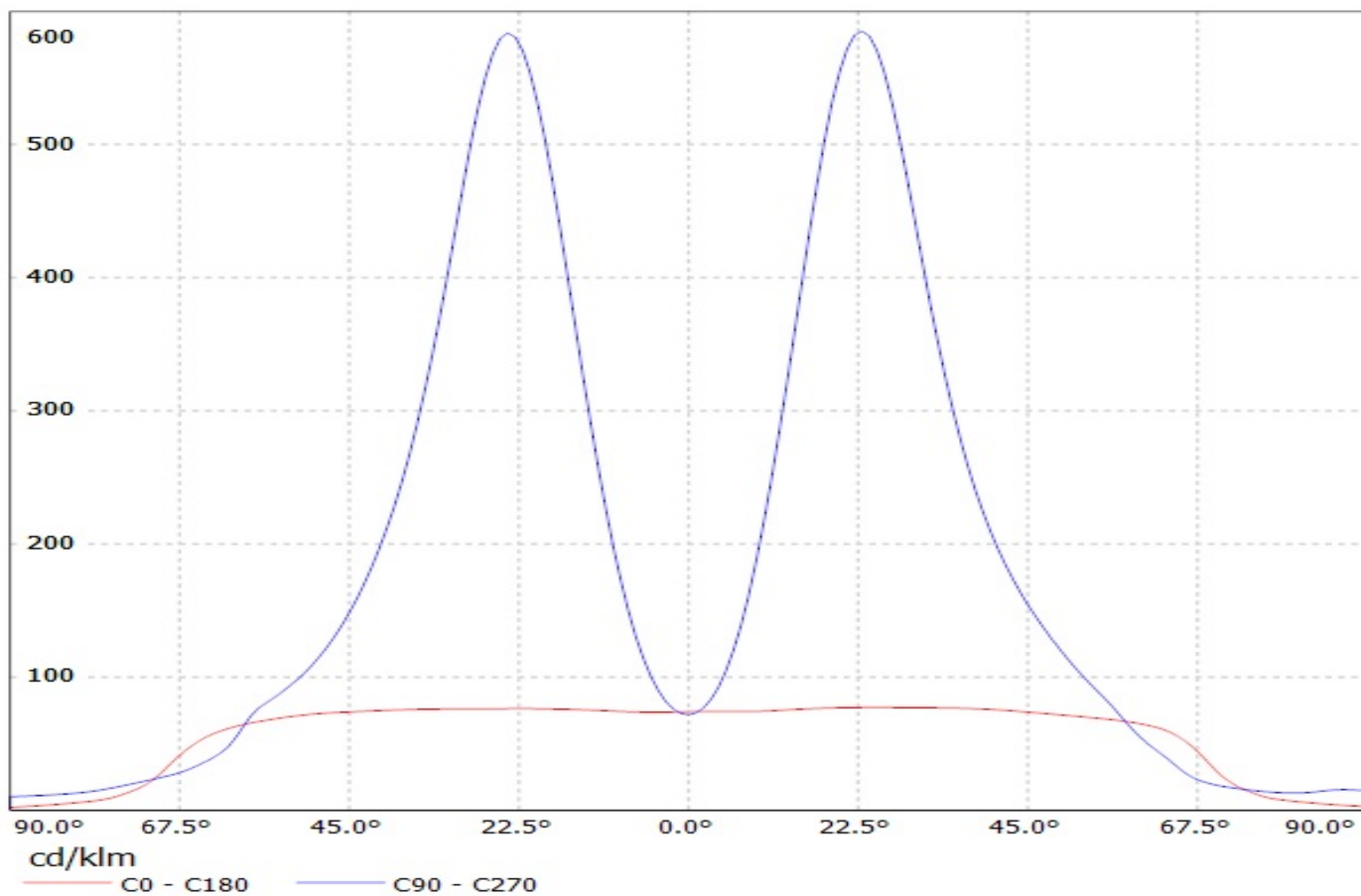
Lamps: 1 x FLORENCE_FORTIMO_(LG_5630)_1000.68lm@250mA P=8.35483W I=250.7mA



Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LG_6030) Eff: 94%
Lamps: 1 x LG_6030_(LEWMS68T80HZ)_1082lm@250mA_P=7.86385W_I=0.2499A

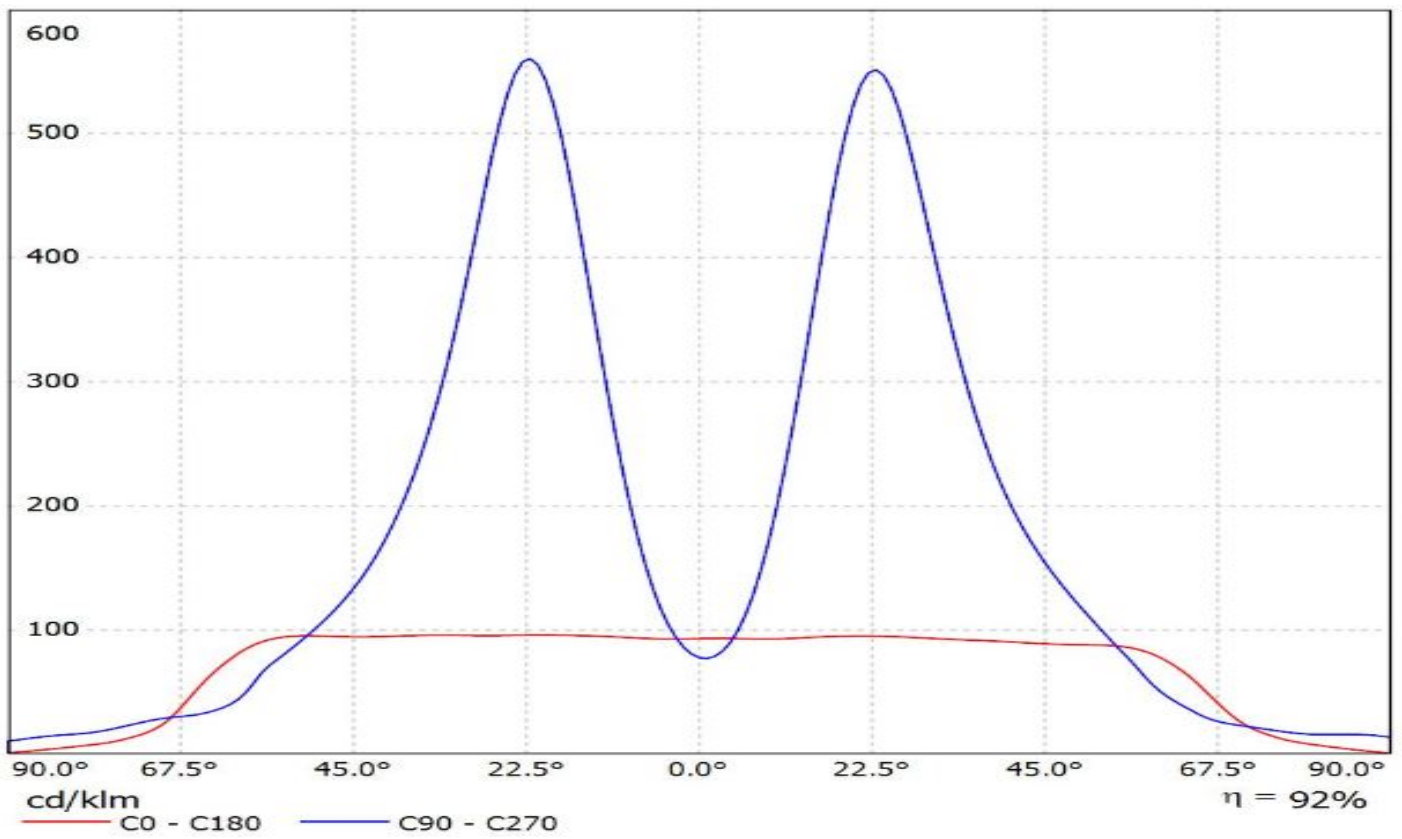


Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(Luxeon_3535) Eff: 94%
Lamps: 1 x Luxeon_3535_2D_(MXC8-PW40-0000)_1516.52lm@200mA_P=12.6909W_I=0.1999A



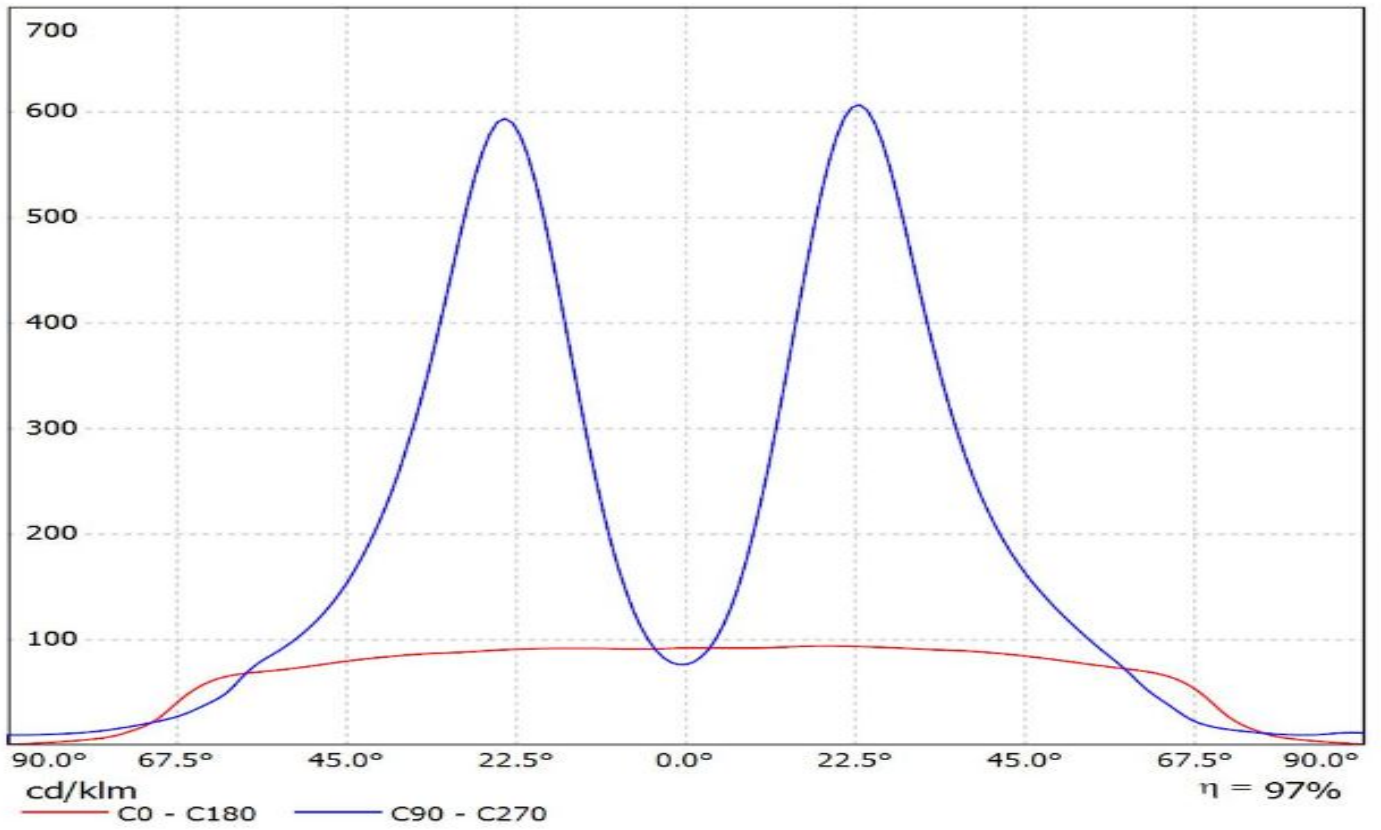
Ledil F14170_FLORENCE-ZT25_(Luxeon_3030_2D) / LDC (Linear)

Luminaire: Ledil F14170_FLORENCE-ZT25_(Luxeon_3030_2D)
Lamps: 1 x Luxeon_3030_2D_3x11_(L130-4080003000W21)
_1601.44lm@300mA_CCT=4000K_P=12.8W_I=0.3A



Ledil F14170_FLORENCE-ZT25_(Luxeon_XR-3535L) / LDC (Linear)

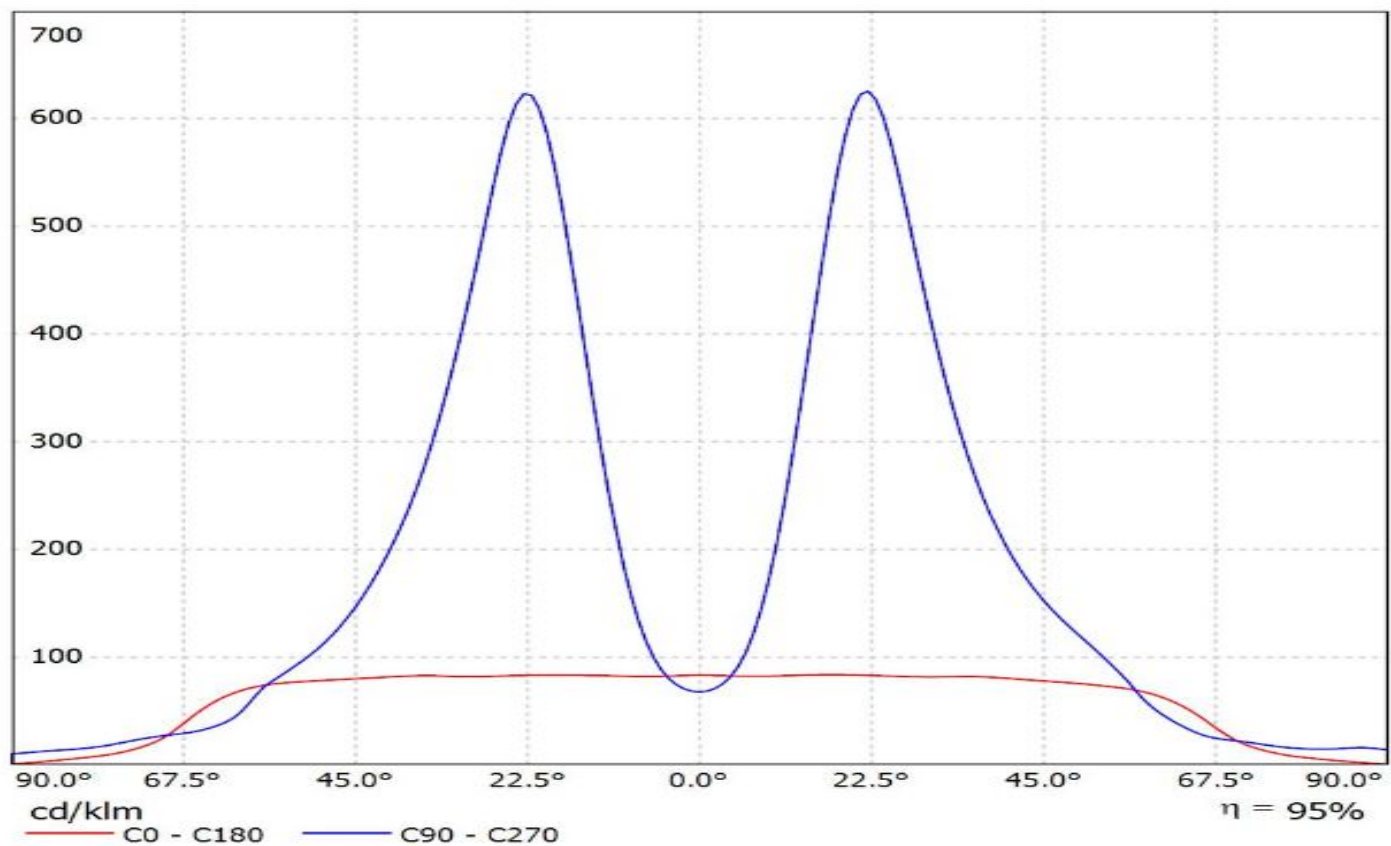
Luminaire: Ledil F14170_FLORENCE-ZT25_(Luxeon_XR-3535L)
Lamps: 1 x Lumileds Luxeon XR-3535L_3x11_(L202-3080033C30001)
_1087.37lm@250mA_CCT=3000K_P=8.15W_I=0.25A



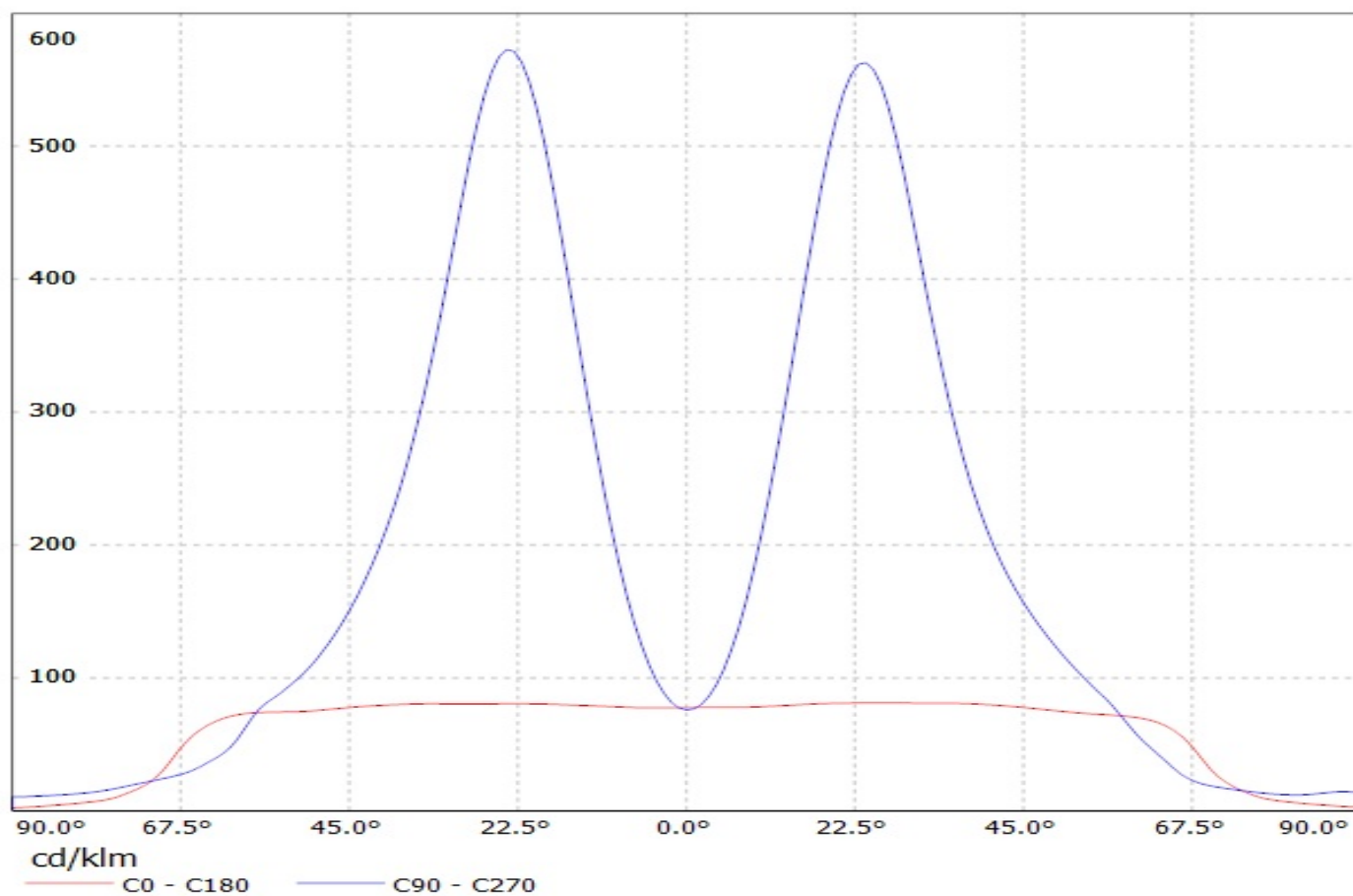
Ledil F14170_FLORENCE-ZT25_(MP-2016) / LDC (Linear)

Luminaire: Ledil F14170_FLORENCE-ZT25_(MP-2016)

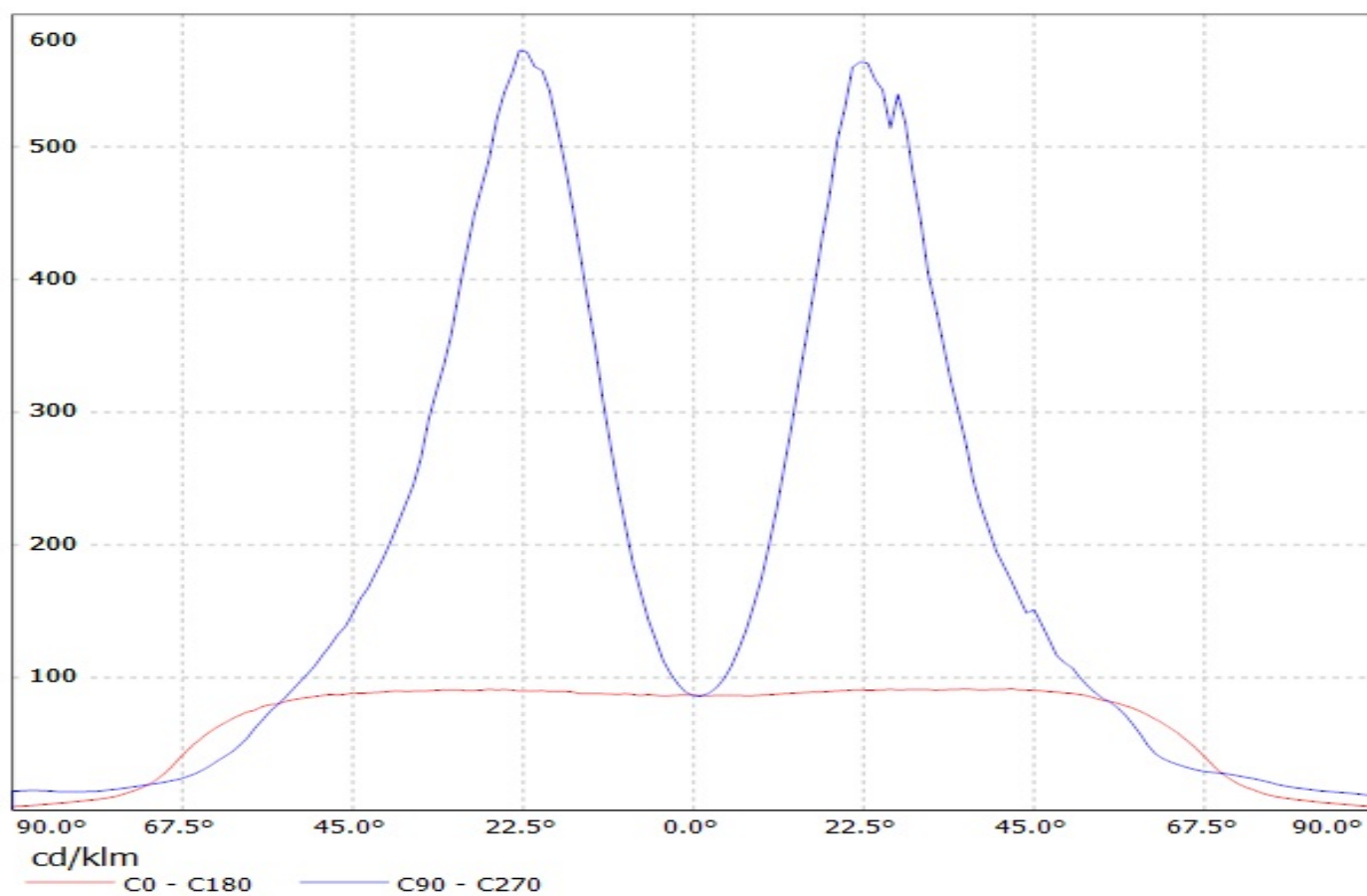
Lamps: 1 x Luminus_MP-2016_x22_(LUMMP-1100-30-80)_715.864lm@180mA_P=6W_I=0.18A



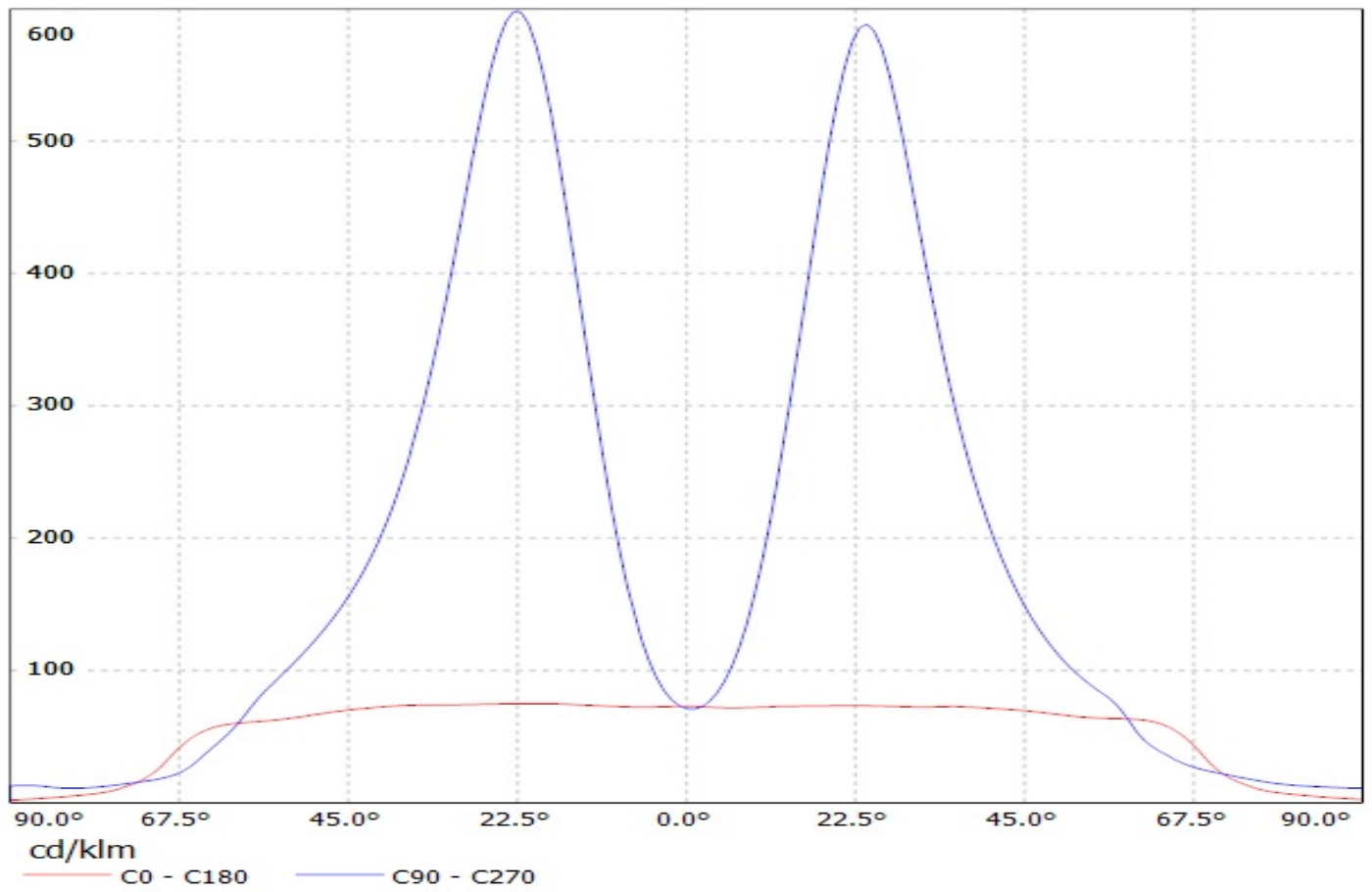
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(NT2x757D) Eff: 94%
Lamps: 1 x Nichia_NT2x757D_(NT2W757DRT)_1465.4lm@150mA_P=9.3849W_I=0.15A



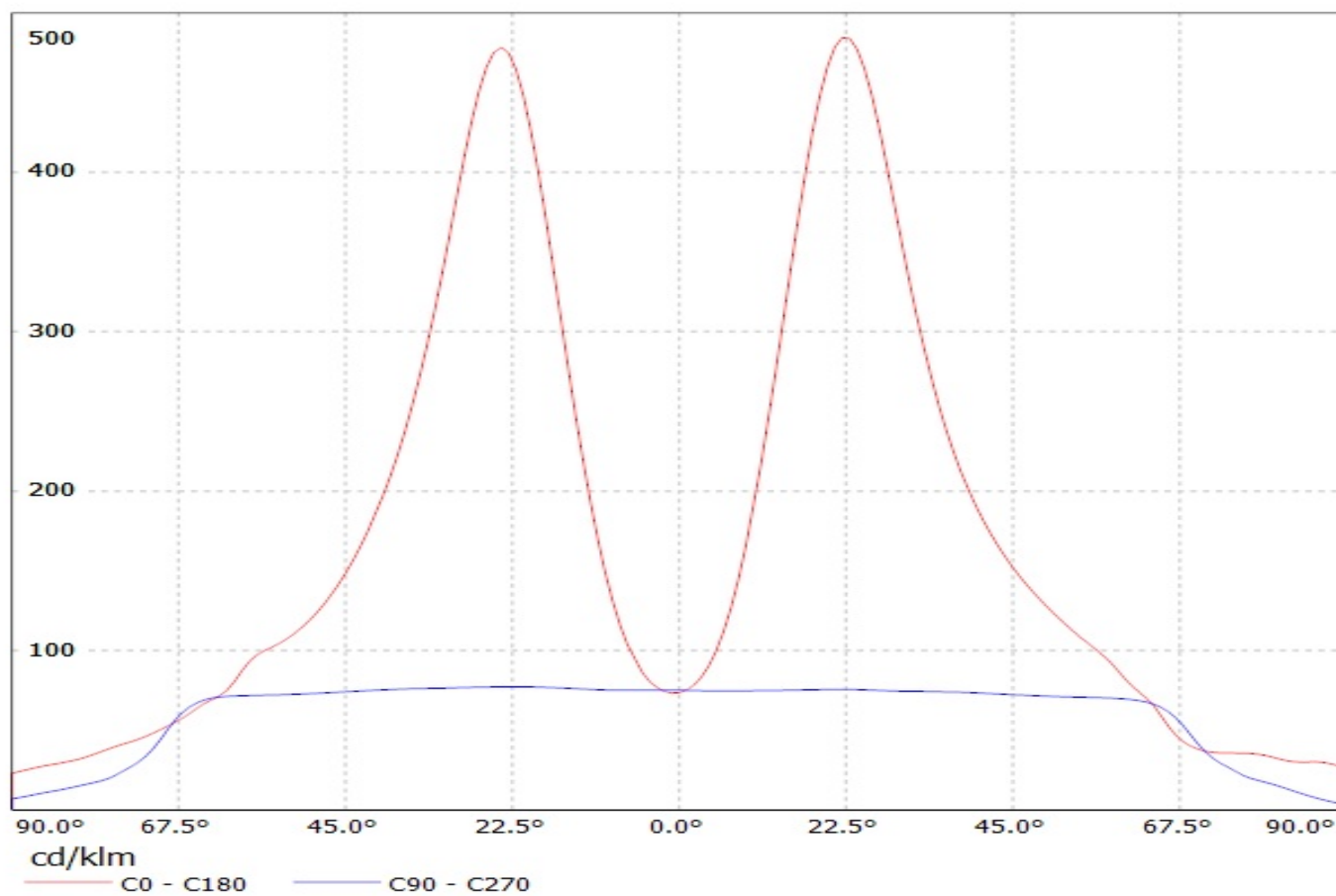
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(DURIS_E5) Eff: 94%
Lamps: 1 x Osram_DURIS_E5_570lm@120mA_P=3.69459W_I=120.2mA



Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(DURIS_S5) Eff: 94%
Lamps: 1 x Osram_DURIS_S5_511.3lm@120mA_P=3.76574W_I=120.1mA

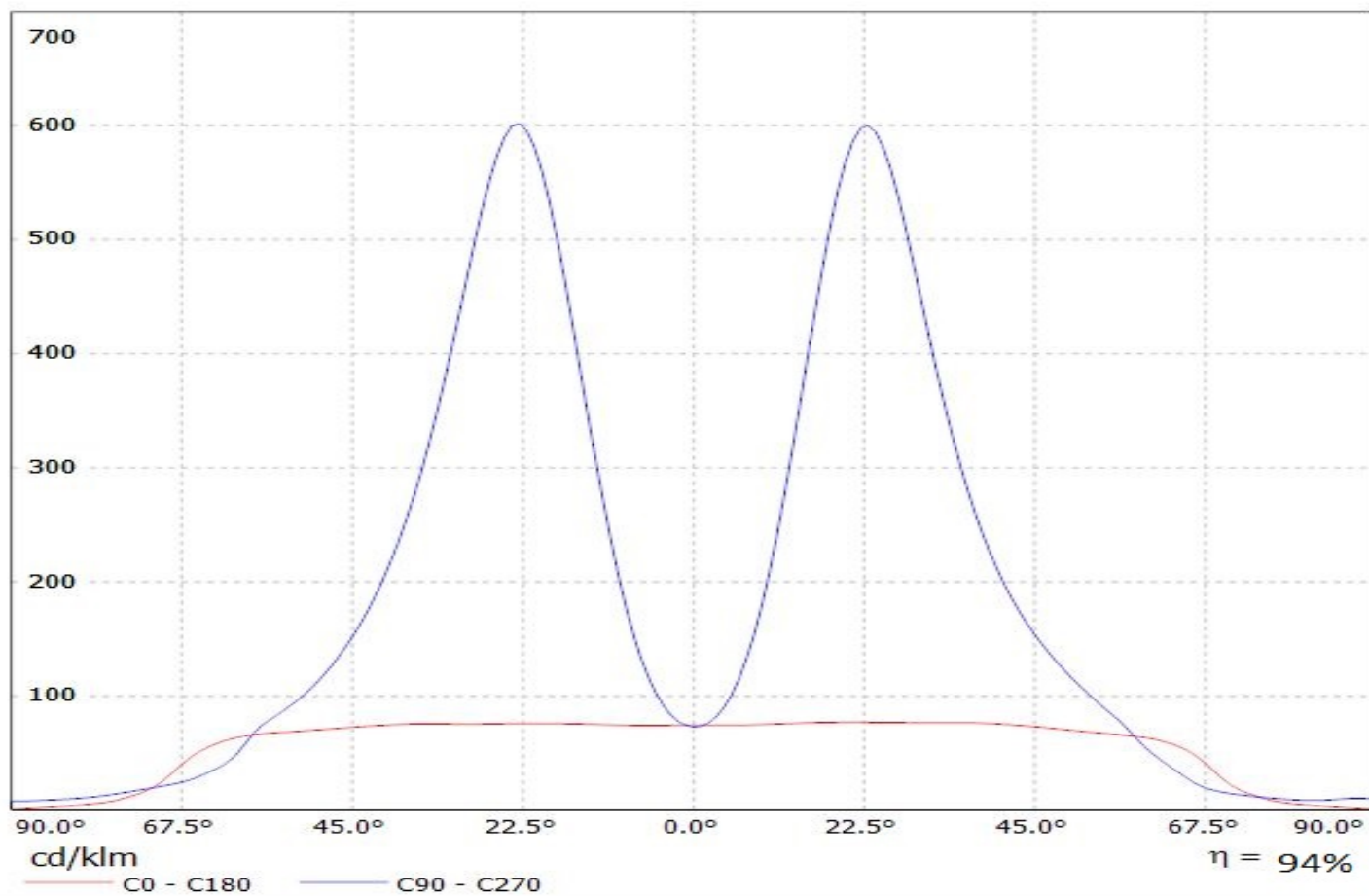


Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(Duris_P5) Eff: 93%
Lamps: 1 x Osram_Duris_P5_756.444lm@250mA_P=7.78777W_I=249.8mA

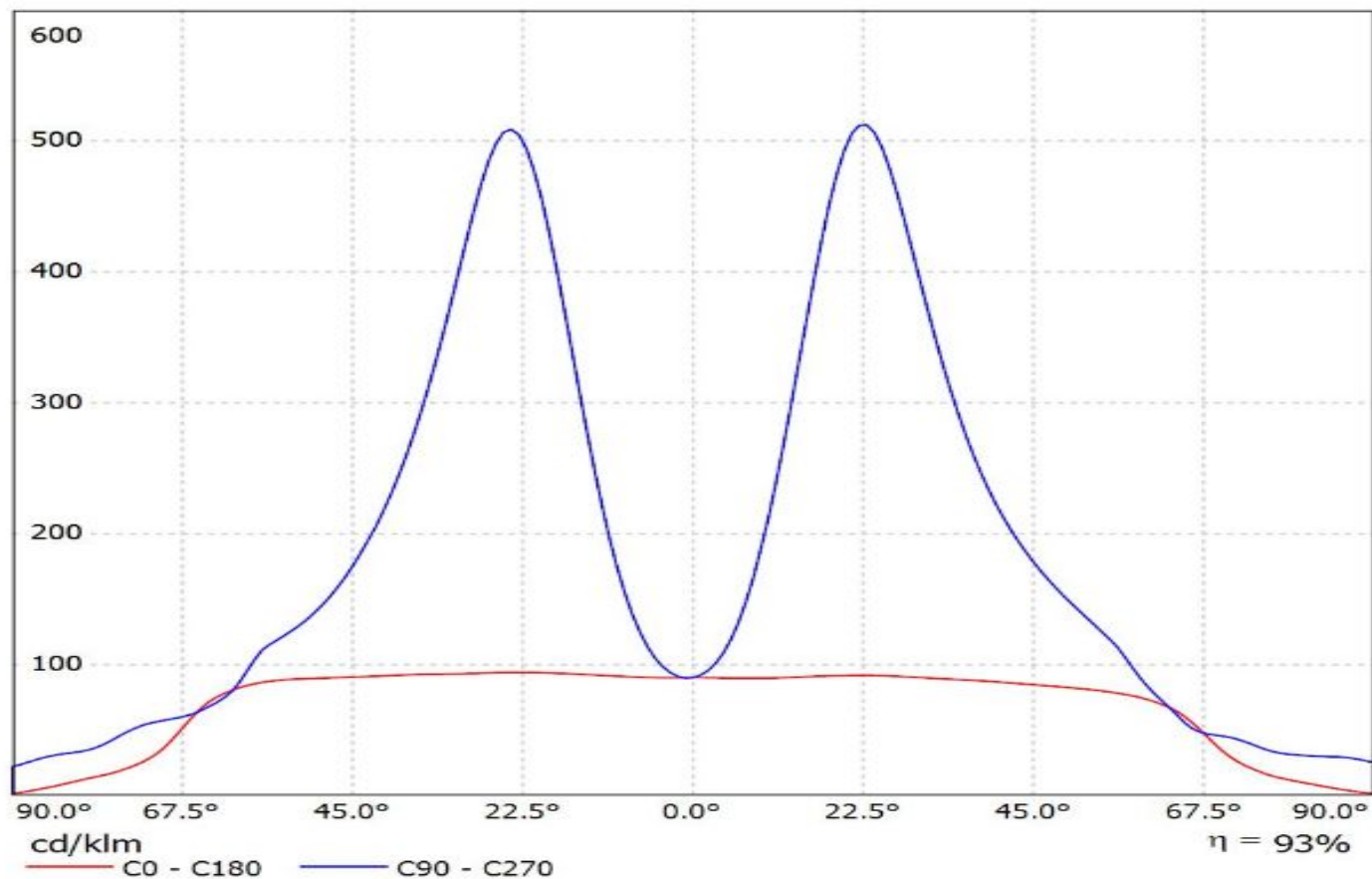


Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(Osram_PLG2-BAR)

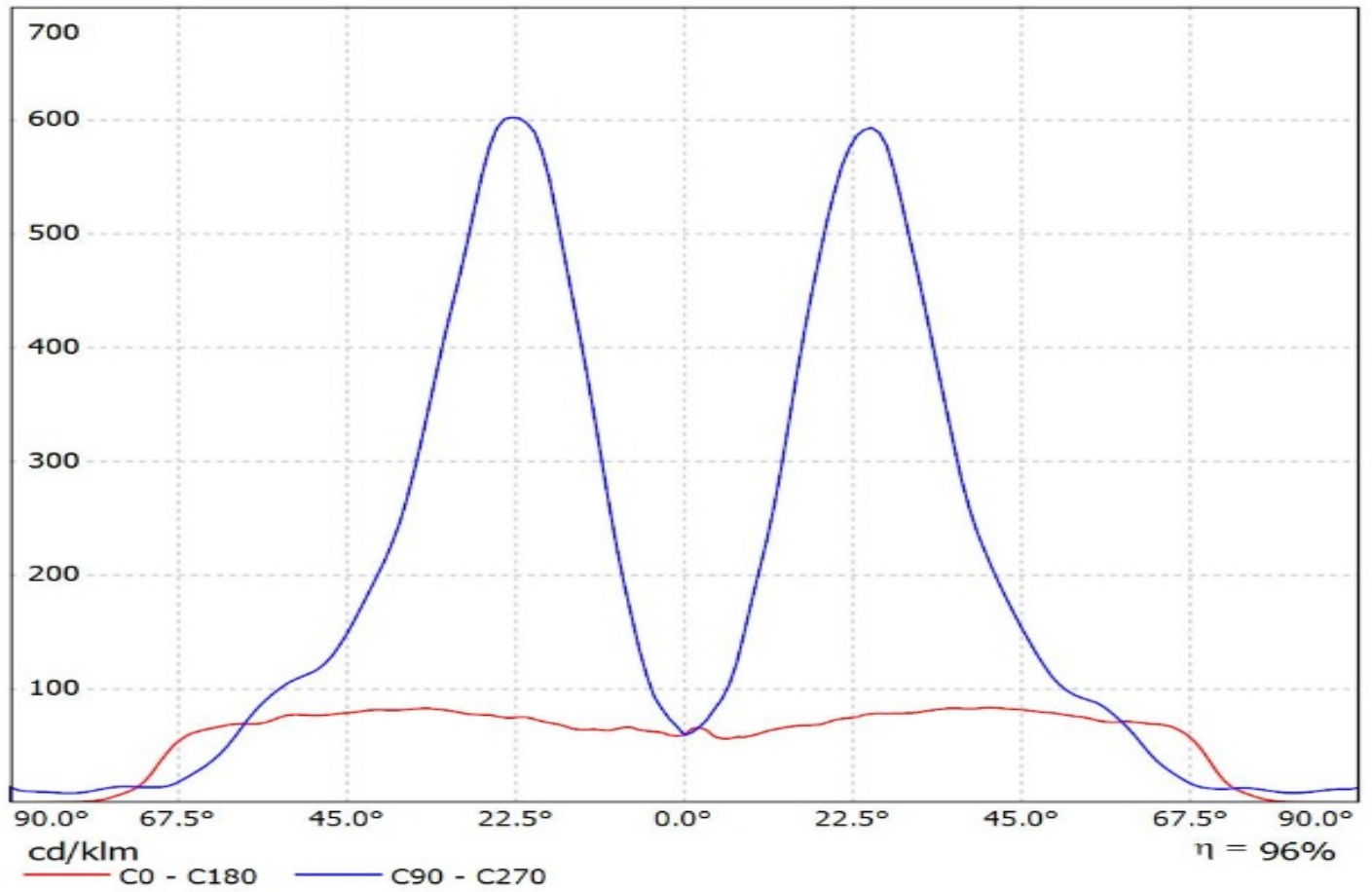
Lamps: 1 x Osram_PLG2-BAR -1100-830-280x55-DC_1021.93lm@225mA_P=7.1643W_I=0.225A



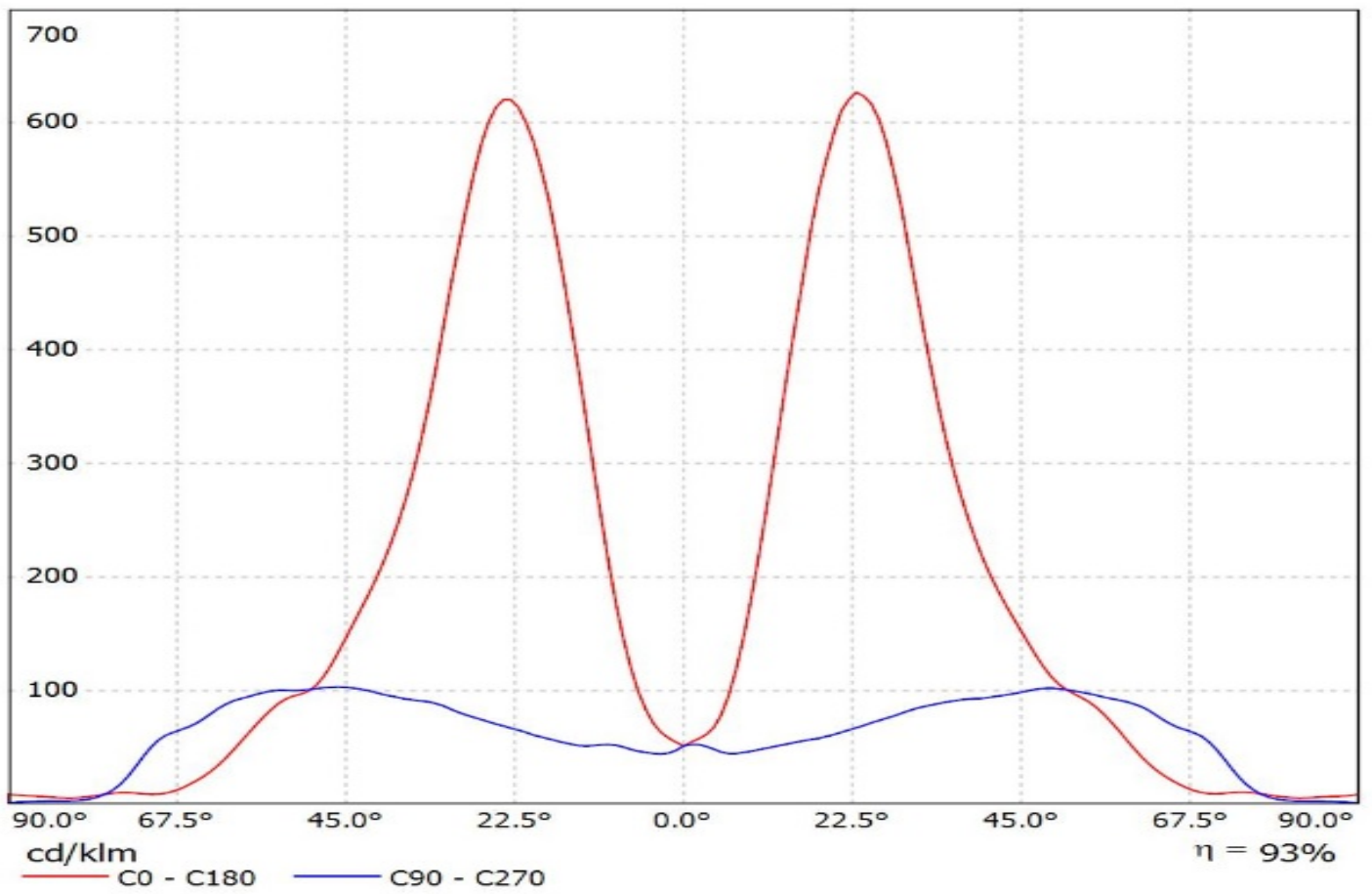
Luminaire: Ledil F14170_FLORENCE-ZT25_(Duris_S2)
Lamps: 1 x Osram_Duris-S2_3x11_(GW_SBLMA1.EM-GUHQ-XX37-L1N2)
_876.783lm@195mA_CCT=3000K_P=6.3082W_I=0.195A



Luminaire: Ledil Oy F14170_FLORENCE-ZT25_(Duris_E_2835)_SIMULATED
Lamps: 1 x Osram Duris E 2835 - GW JTLRS1.EM

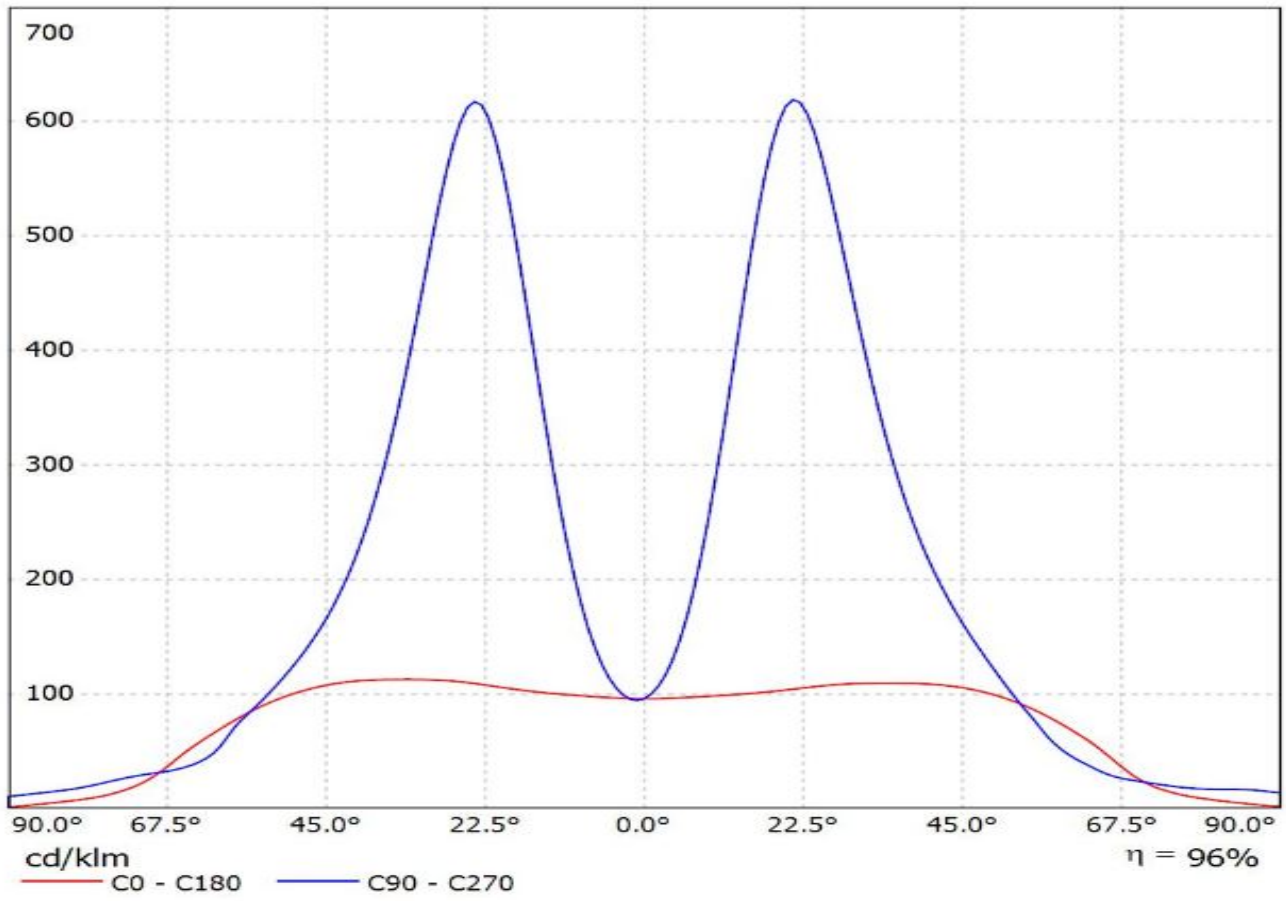


Luminaire: Ledil Oy F14170_FLORENCE-ZT25-Fortimo_650lm_3R_SIMULATED
Lamps: 1 x Fortimo_650lm_3R

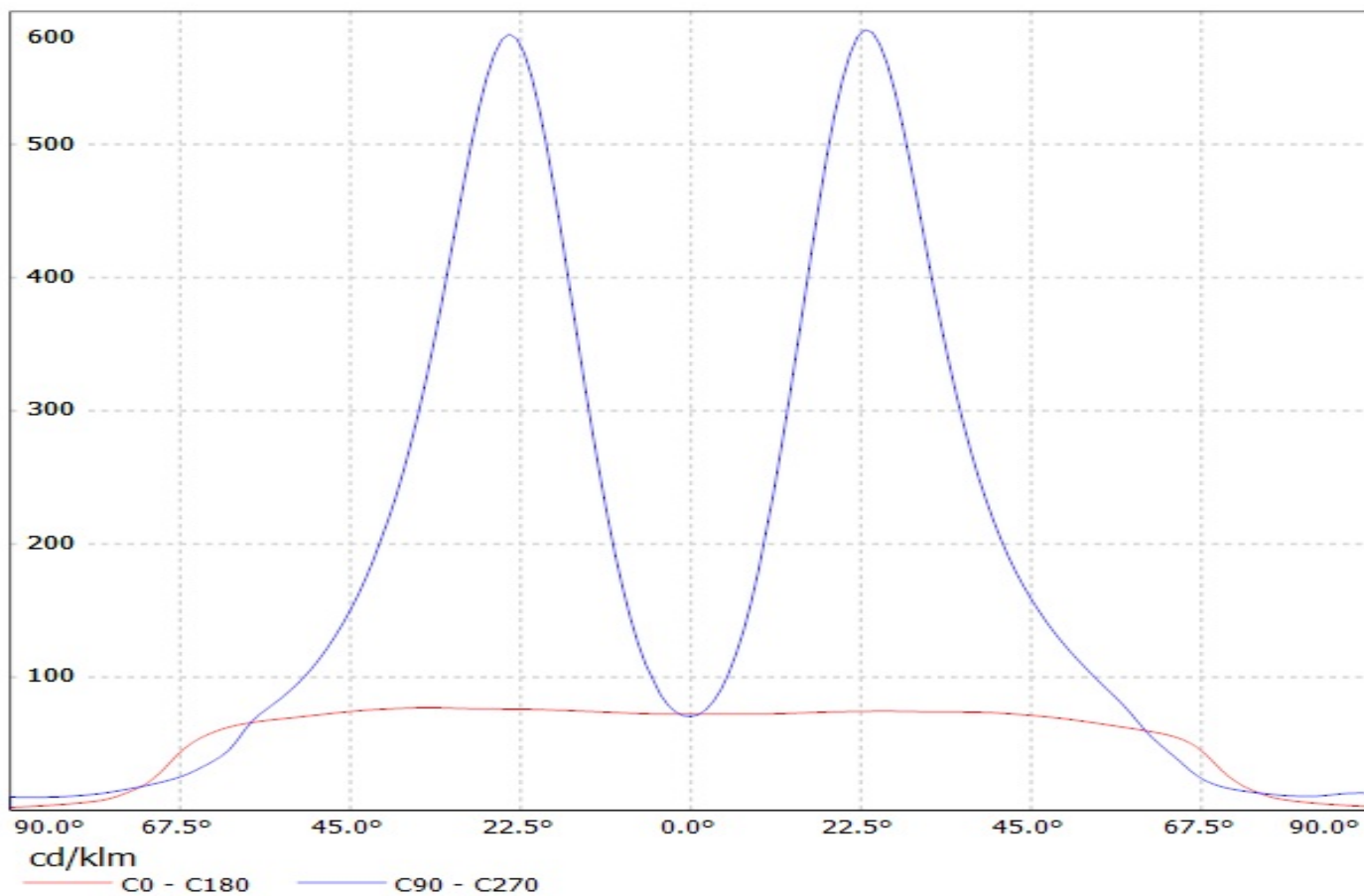


Luminaire: Ledil F14170_FLORENCE-ZT25_(Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2)

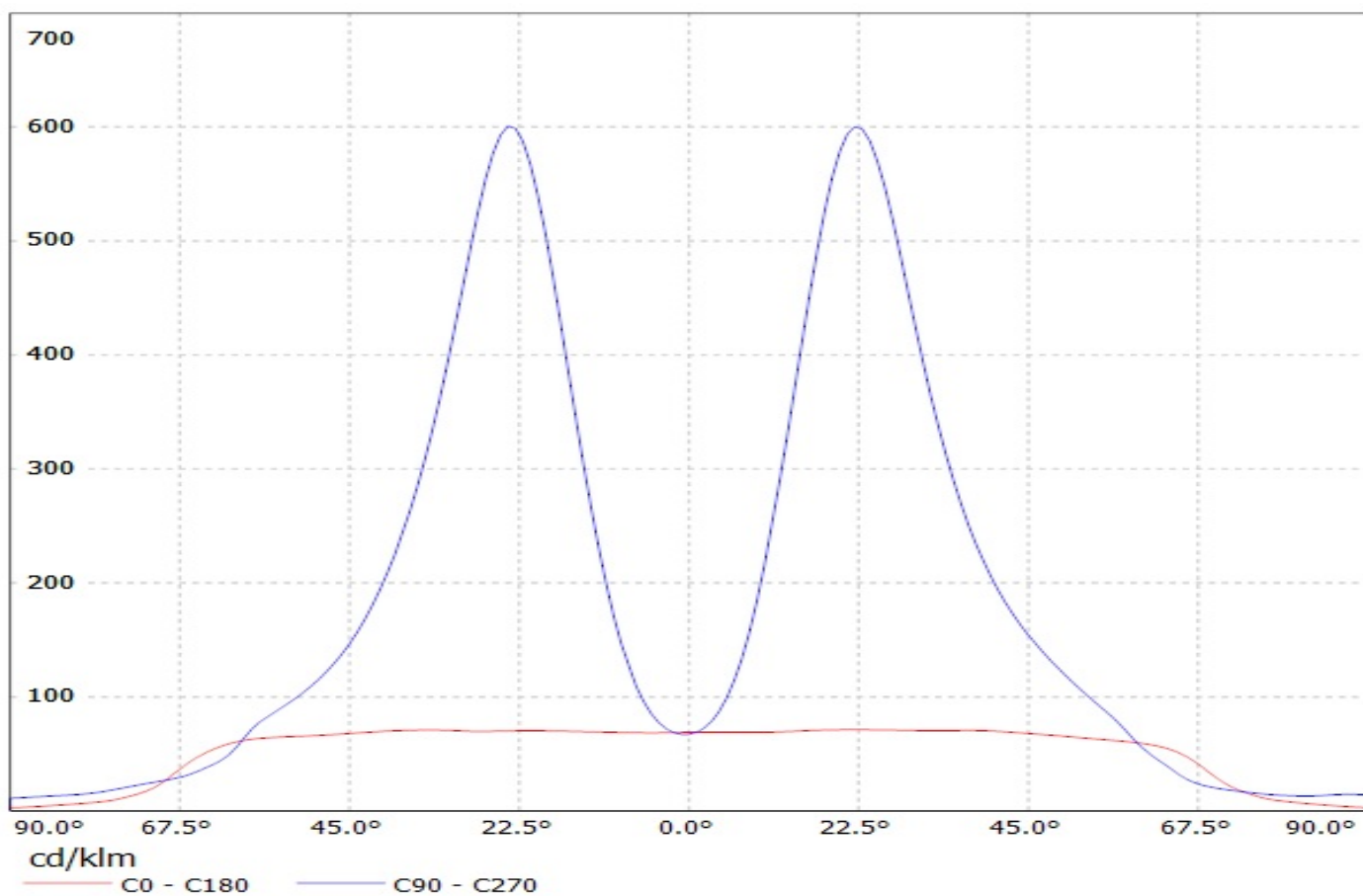
Lamps: 1 x Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2_1229.9lm@250mA_CCT=3000K_P=7.5790W_I=0.25A



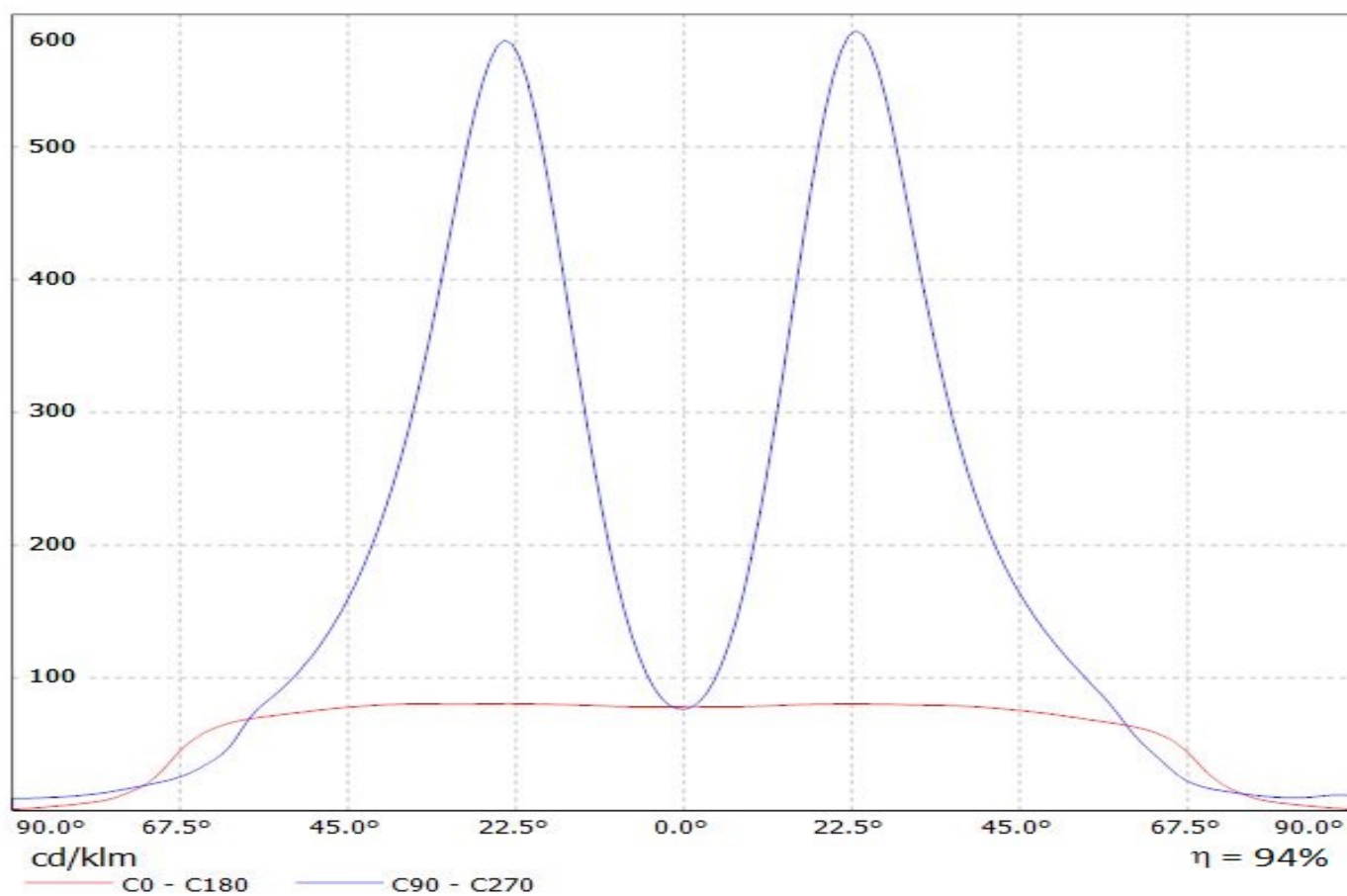
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LM561B) Eff: 94%
Lamps: 1 x Samsung_LM561B_695.232lm@150mA_P=4.6194W_I=0.15A



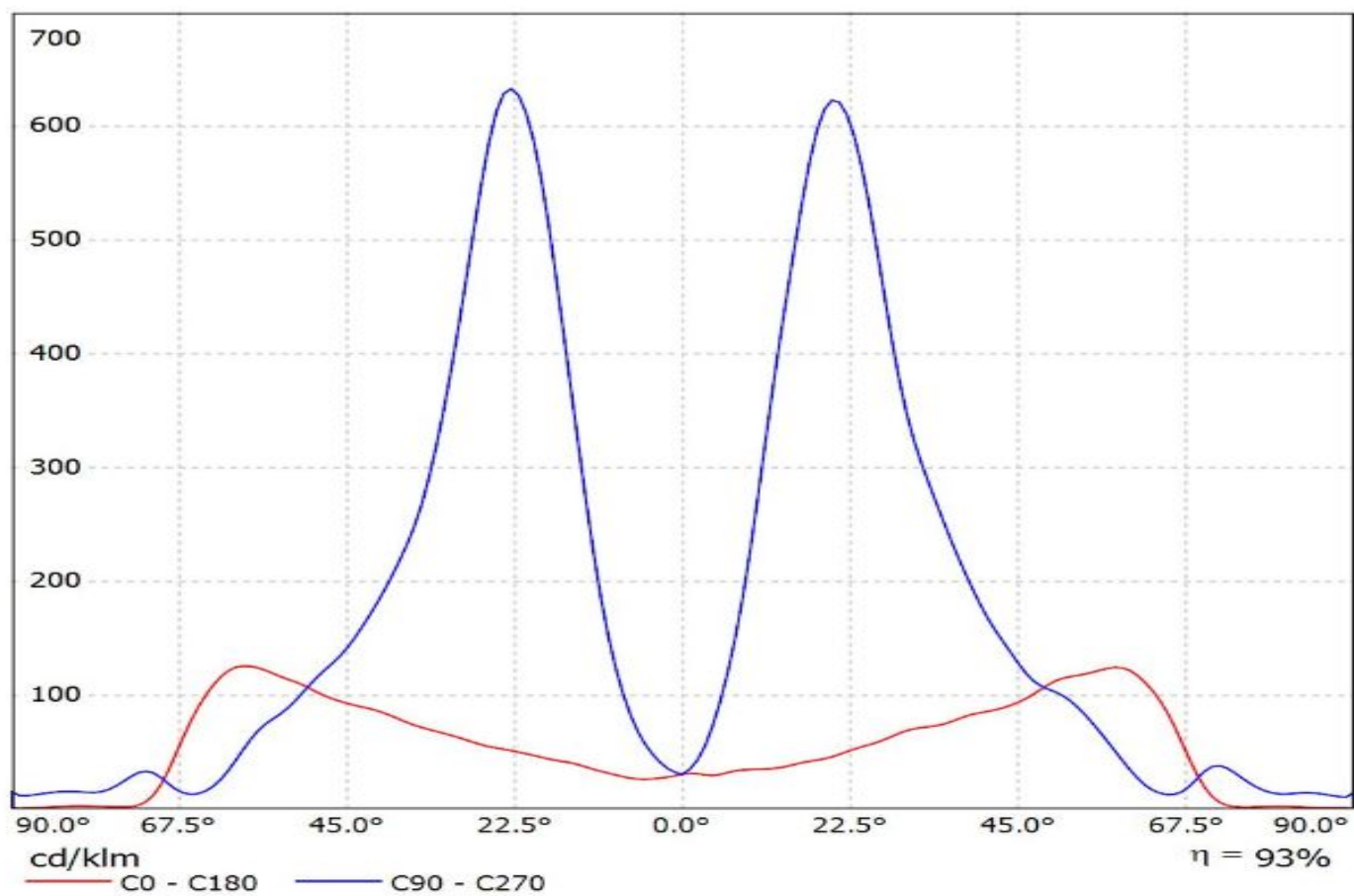
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LM231B) Eff: 94%
Lamps: 1 x Samsung_LM231B_579lm@150mA_P=4.62045W_I=0.15A



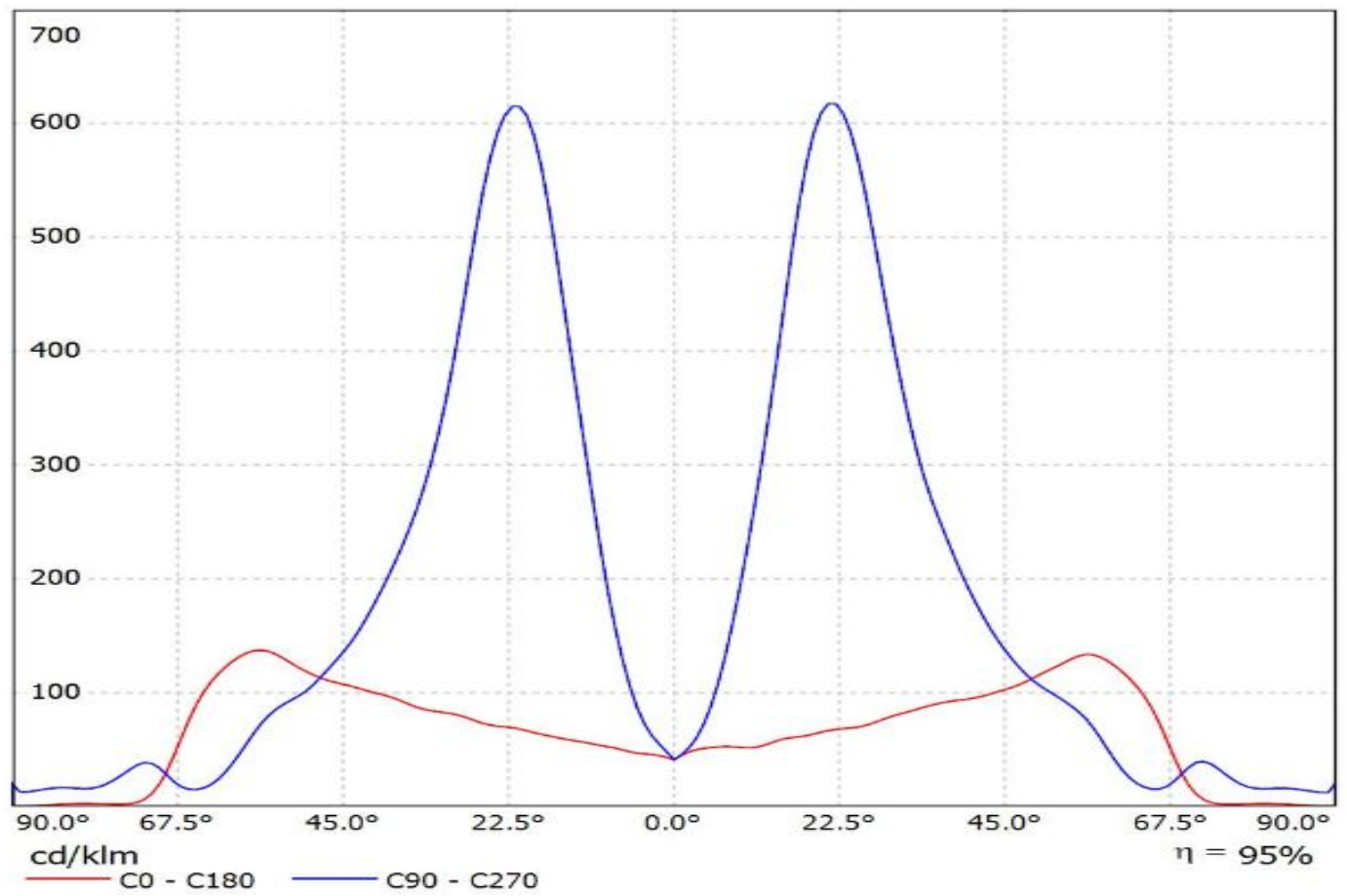
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LT-R286A)
Lamps: 1 x Samsung_LT-R286A_1304.7lm@250mA_P=8.2181W_I=0.250A



Luminaire: Ledil Oy F14170_FLORENCE-ZT25_OSRAM_DURIS_S5_(2chip)_SIMULATED
Lamps: 1 x OSRAM DURIS S5 (2chip)

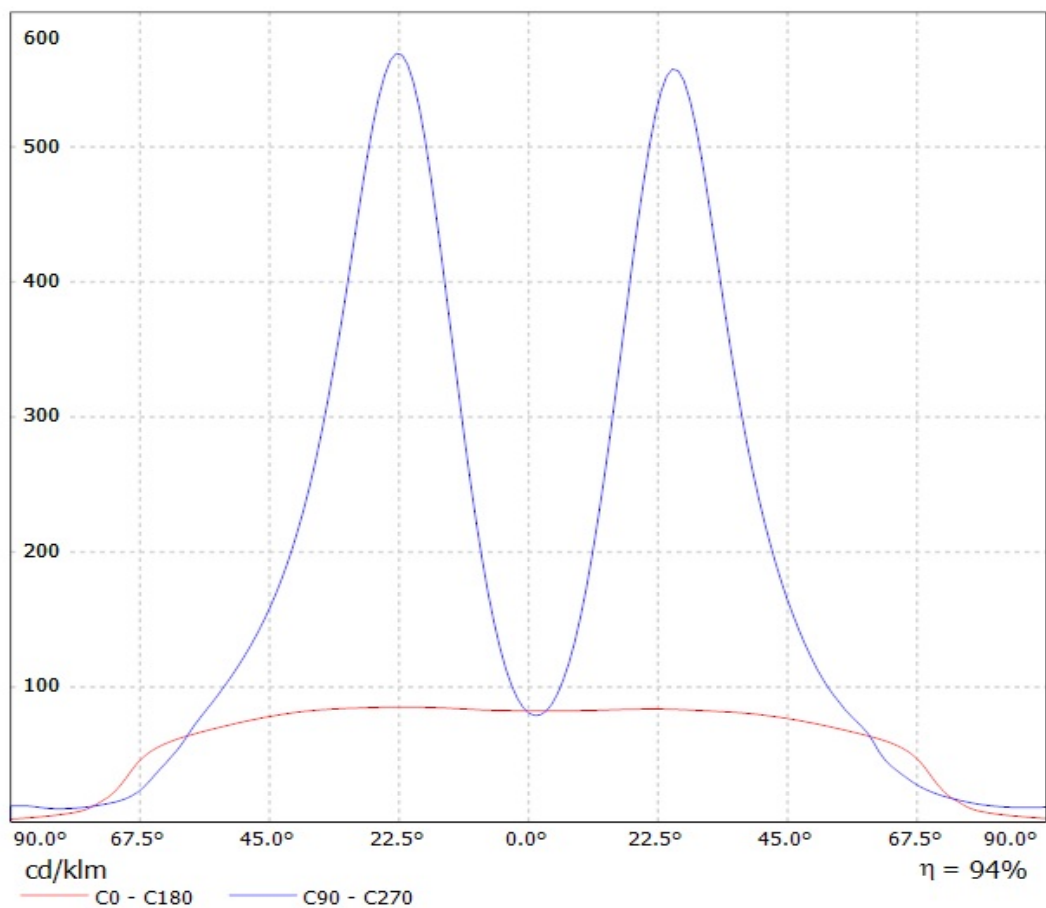


Luminaire: Ledil Oy F14170_FLORENCE-ZT25_SEOUL_5630_D_SIMULATED
Lamps: 1 x SEOUL 5630 D

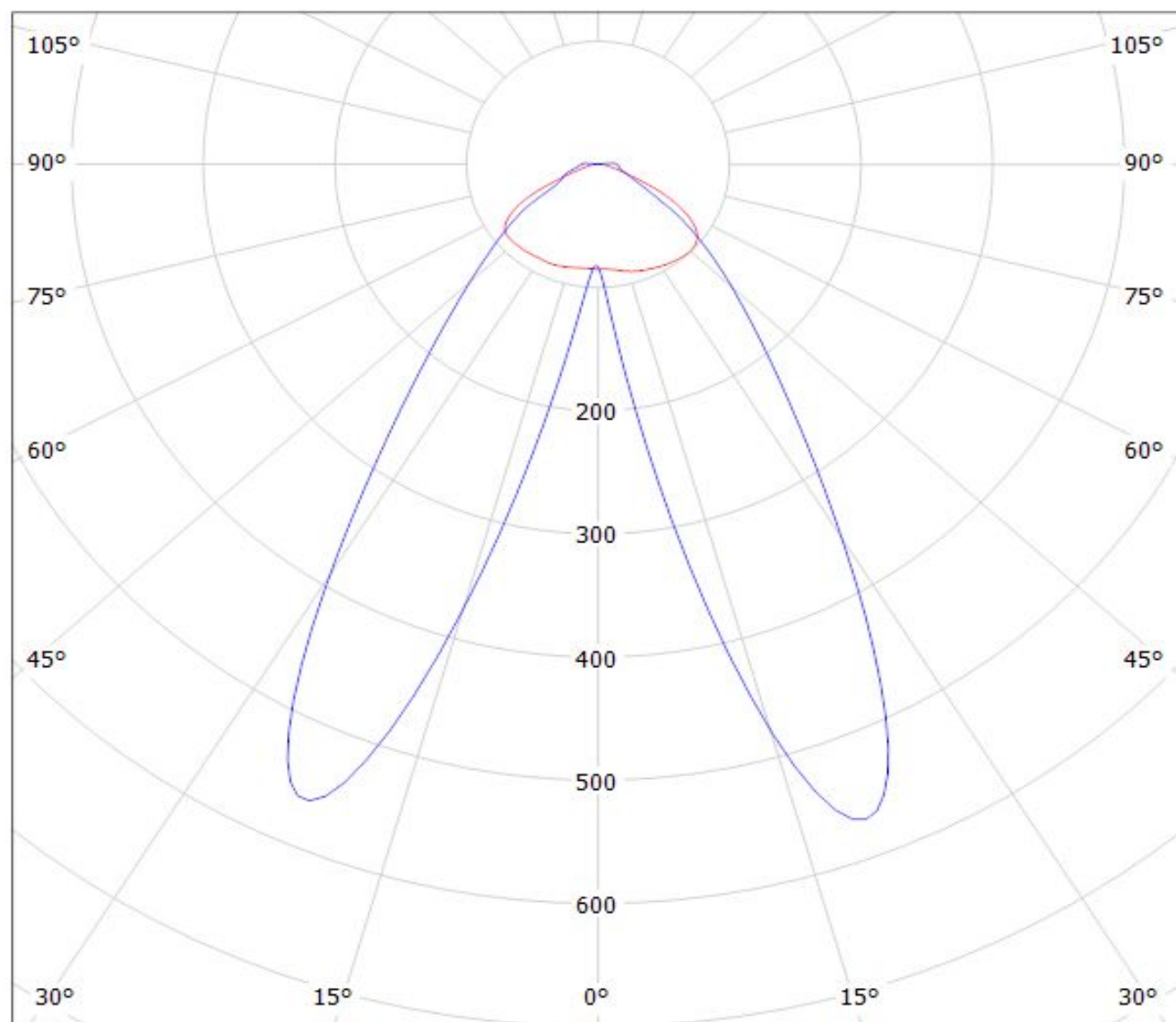


Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LLE-55-280-1650)

Lamps: 1 x Tridonic_STARK_LLE-55-280-1650_(STARK_LLE-55-280-1650-840-CLA)_1532lm@325lm_CCT=4000K_P=10.1908W_I=324.9mA



Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(AVAGO 5630 0.5W)
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V



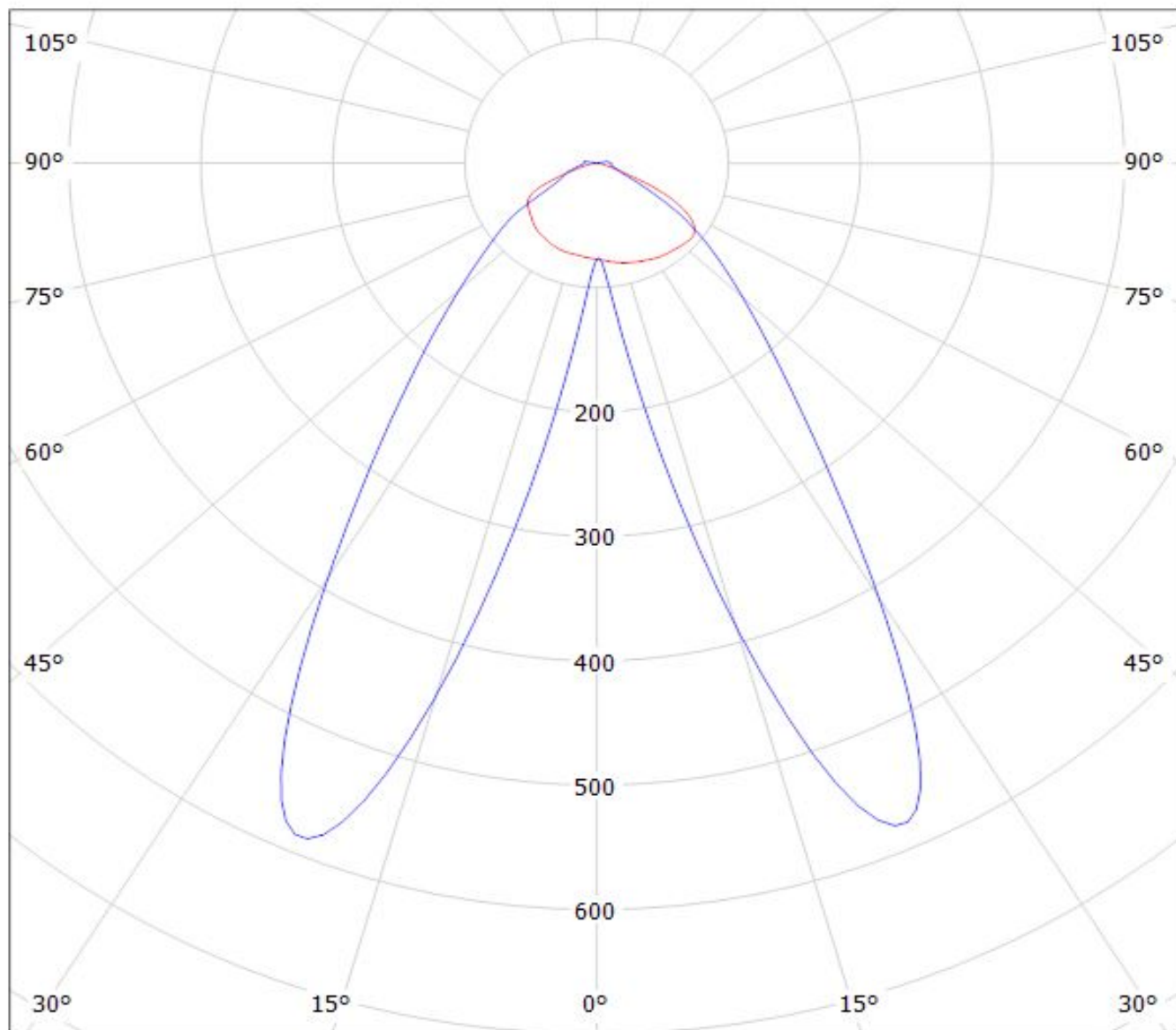
cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(TRIDINO-R3)_GS

Lamps: 1 x Comet_Electronic sin_TRIDINO-R3-8x0-1100-1ft-HV_1299.6lm@250mA_P=8.07304W_I=0.250A



cd/klm

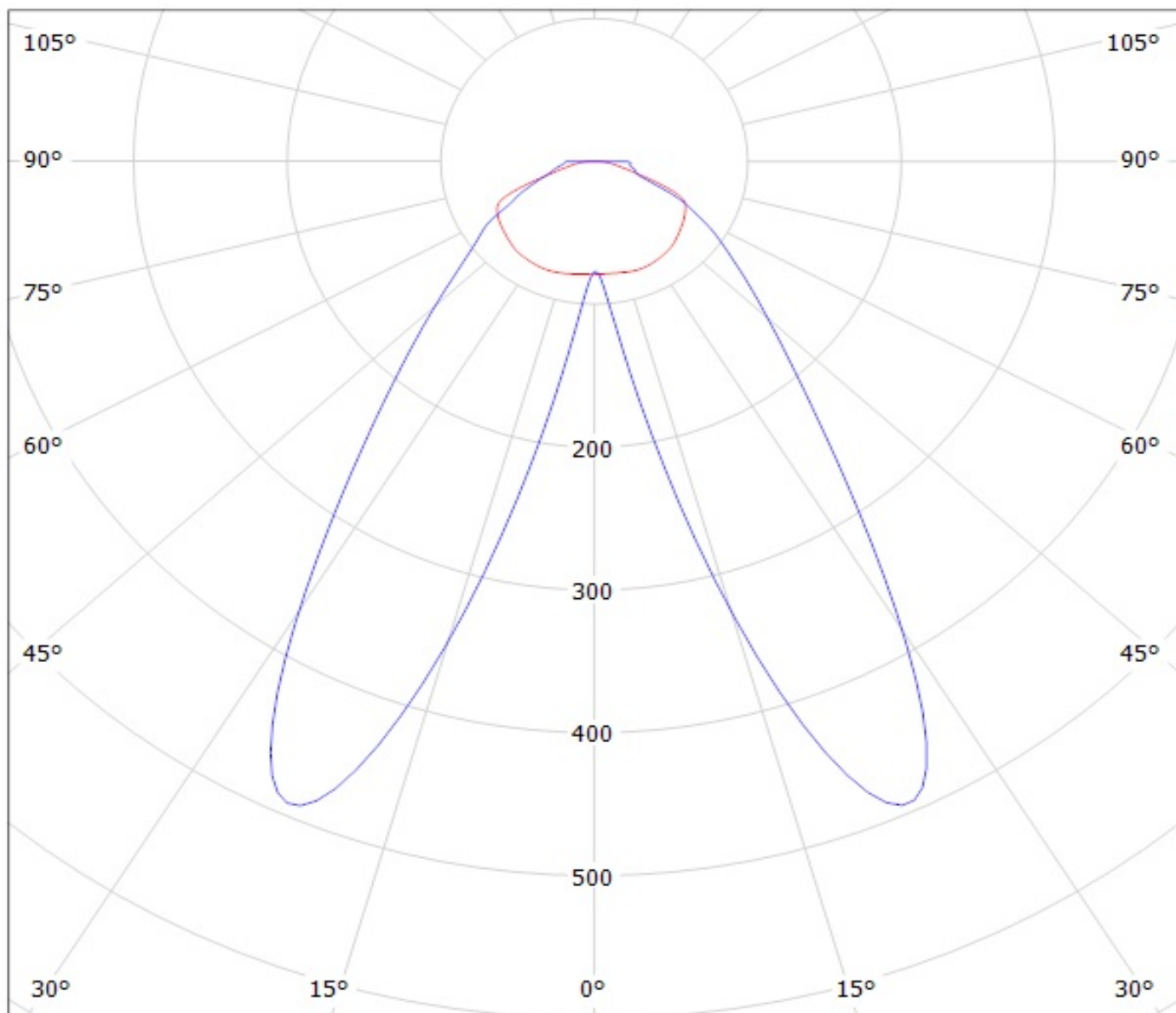
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(XH-G) Eff: 93%

Lamps: 1 x Cree_XH-G_(XHGAWT-0-7B4-J30-0H)_1063.31lm@250mA_P=8.12225W_I=0.2498A

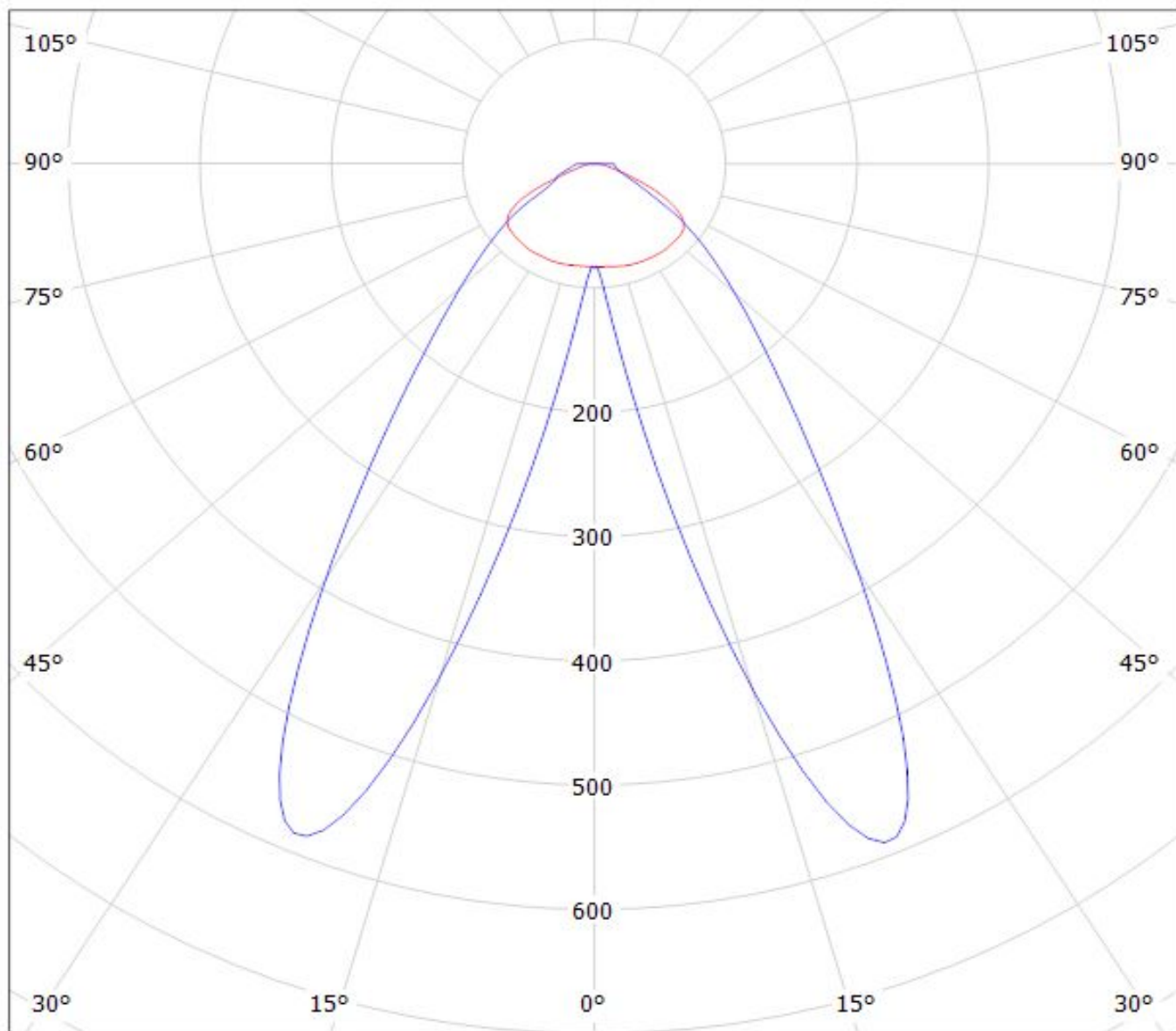


cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LG_5630)

Lamps: 1 x FLORENCE_FORTIMO_(LG_5630)_1000.68lm@250mA P=8.35483W I=250.7mA



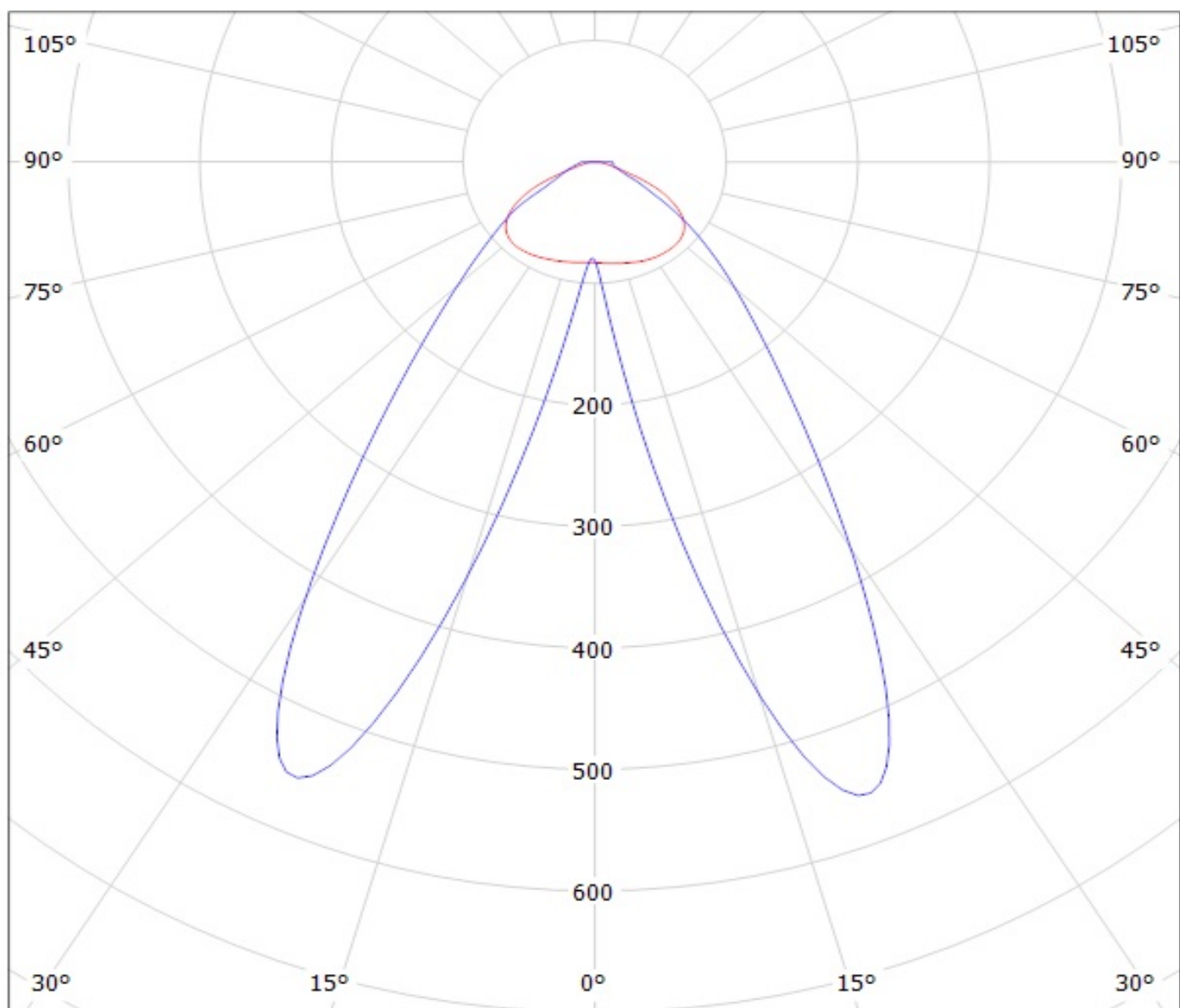
cd/klm

$\eta = 96\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LG_6030) Eff: 94%
Lamps: 1 x LG_6030_(LEWMS68T80HZ)_1082lm@250mA_P=7.86385W_I=0.2499A



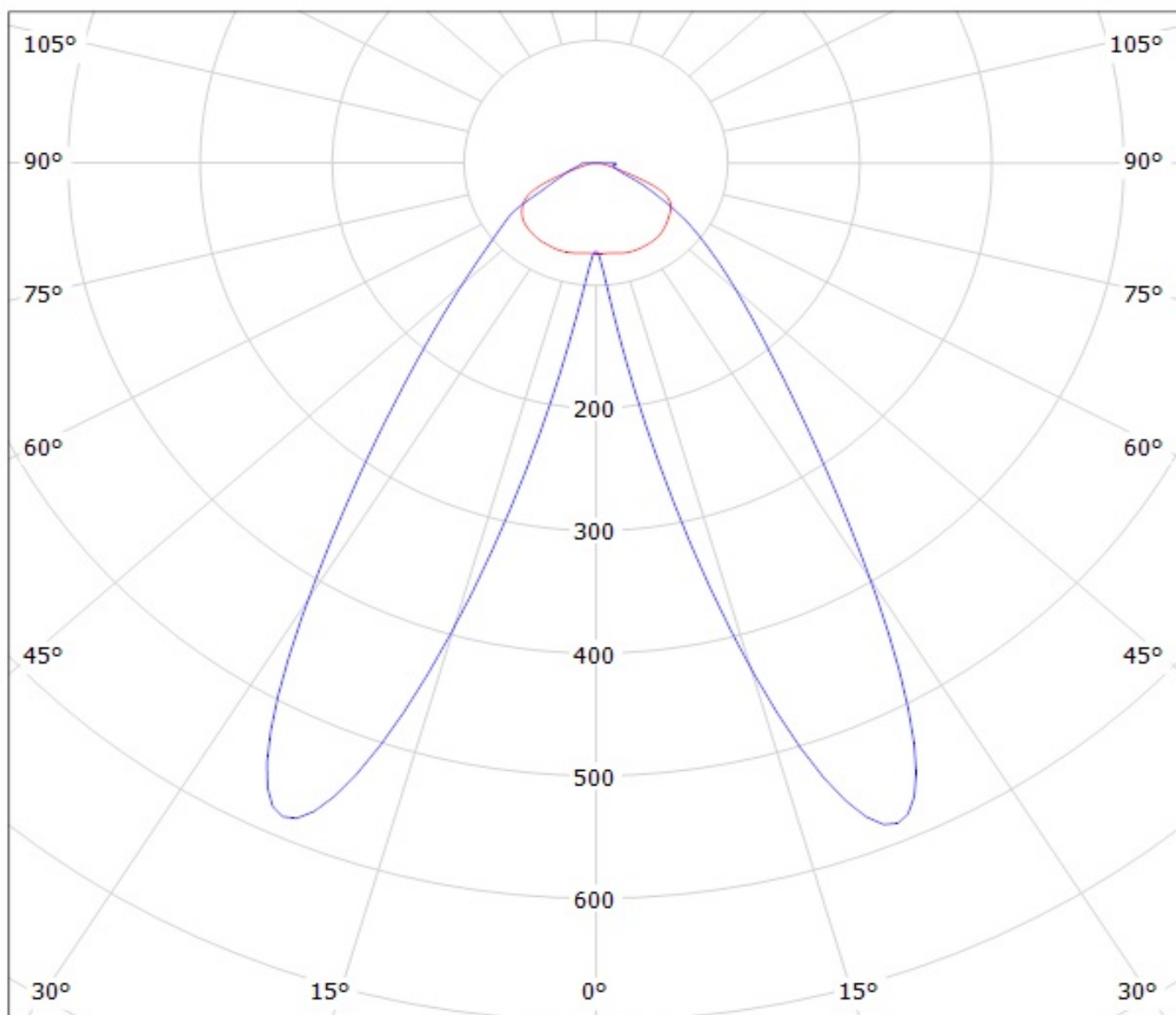
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(Luxeon_3535) Eff: 94%

Lamps: 1 x Luxeon_3535_2D_(MXC8-PW40-0000)_1516.52lm@200mA_P=12.6909W_I=0.1999A



cd/klm

— C0 - C180

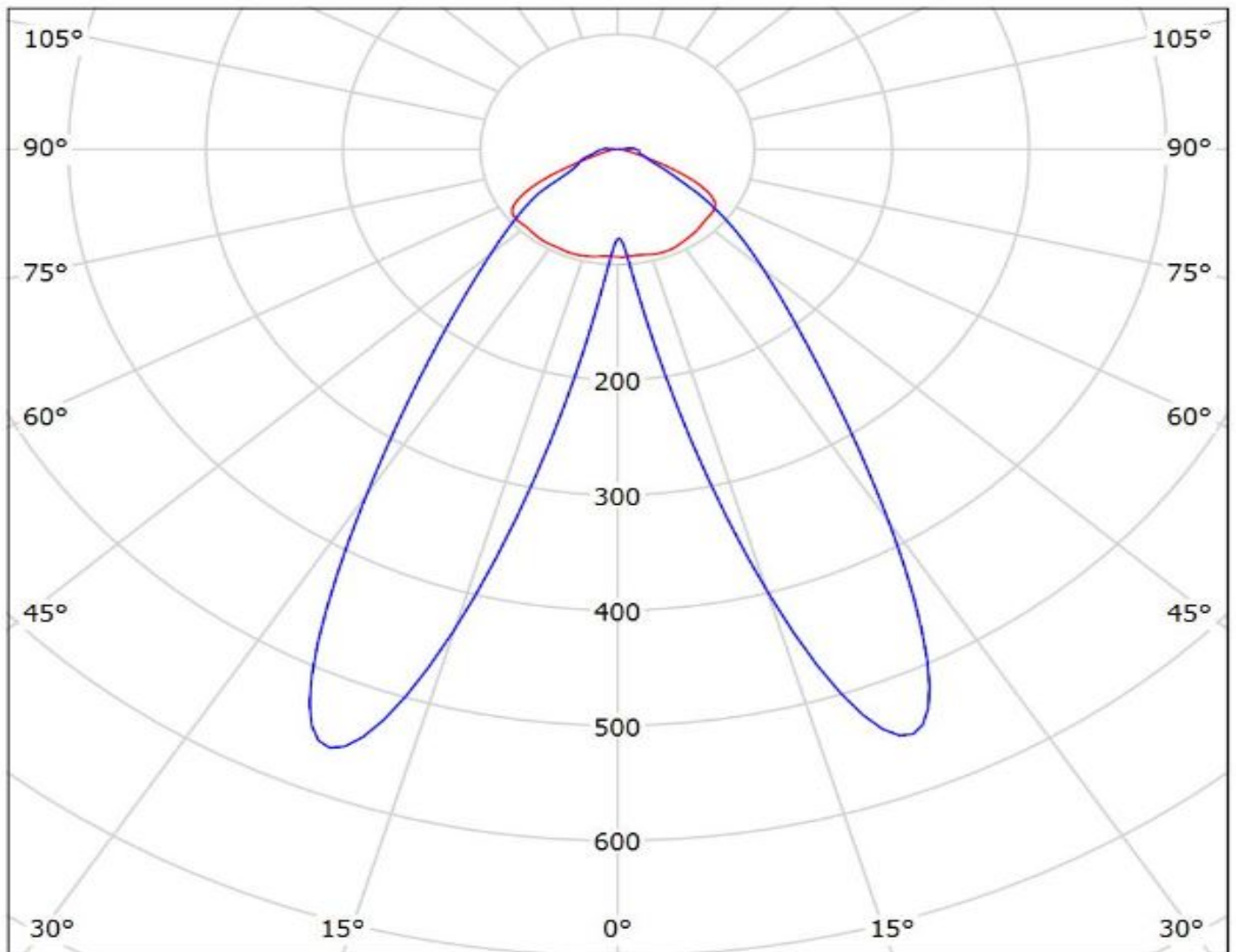
— C90 - C270

Ledil F14170_FLORENCE-ZT25_(Luxeon_3030_2D) / LDC (Polar)

Luminaire: Ledil F14170_FLORENCE-ZT25_(Luxeon_3030_2D)

Lamps: 1 x Luxeon_3030_2D_3x11_(L130-4080003000W21)

_1601.44lm@300mA_CCT=4000K_P=12.8W_I=0.3A



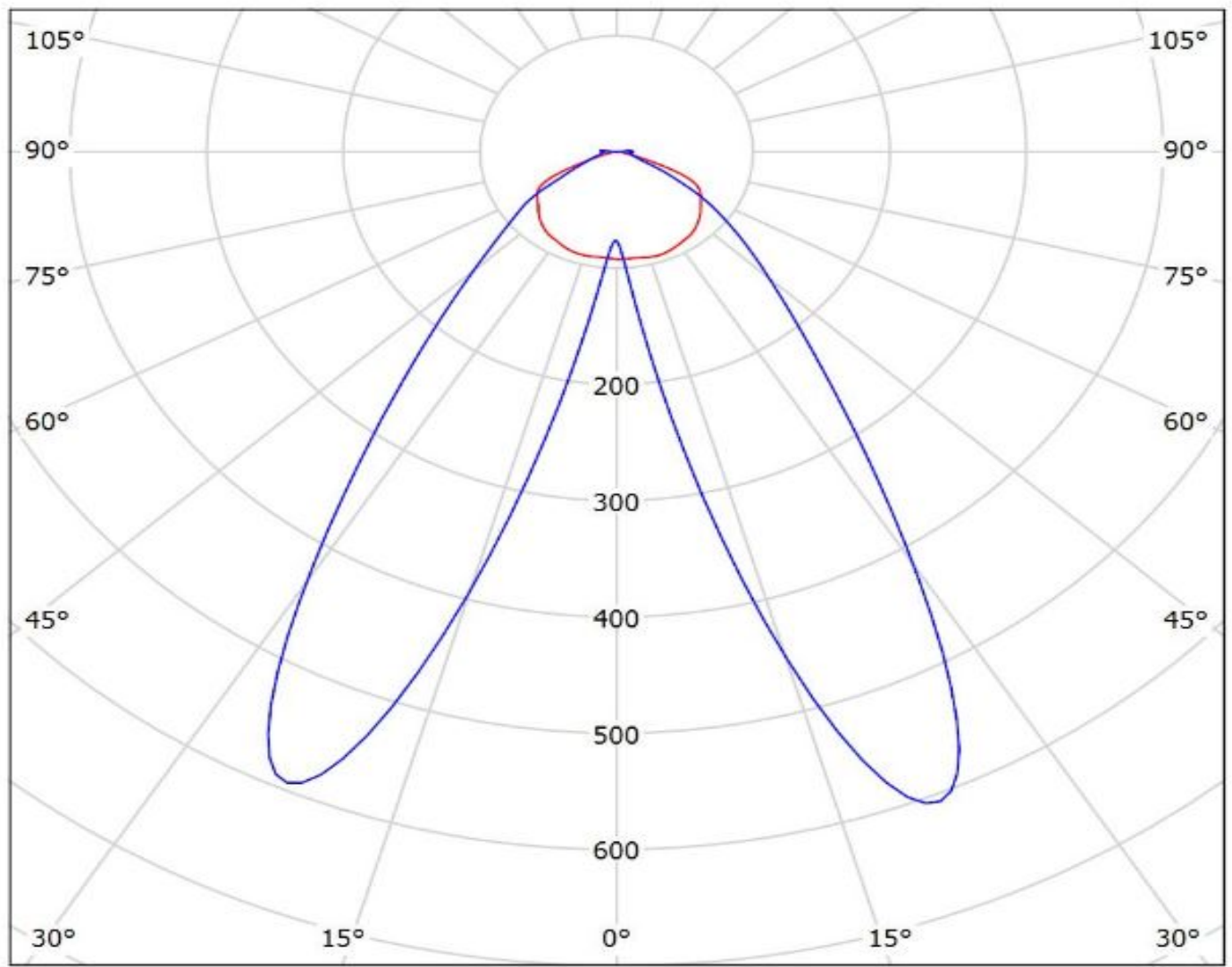
cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

Ledil F14170_FLORENCE-ZT25_(Luxeon_XR-3535L) / LDC (Polar)

Luminaire: Ledil F14170_FLORENCE-ZT25_(Luxeon_XR-3535L)
Lamps: 1 x Lumileds_Luxeon_XR-3535L_3x11_(L202-3080033C30001)
_1087.37lm@250mA_CCT=3000K_P=8.15W_I=0.25A



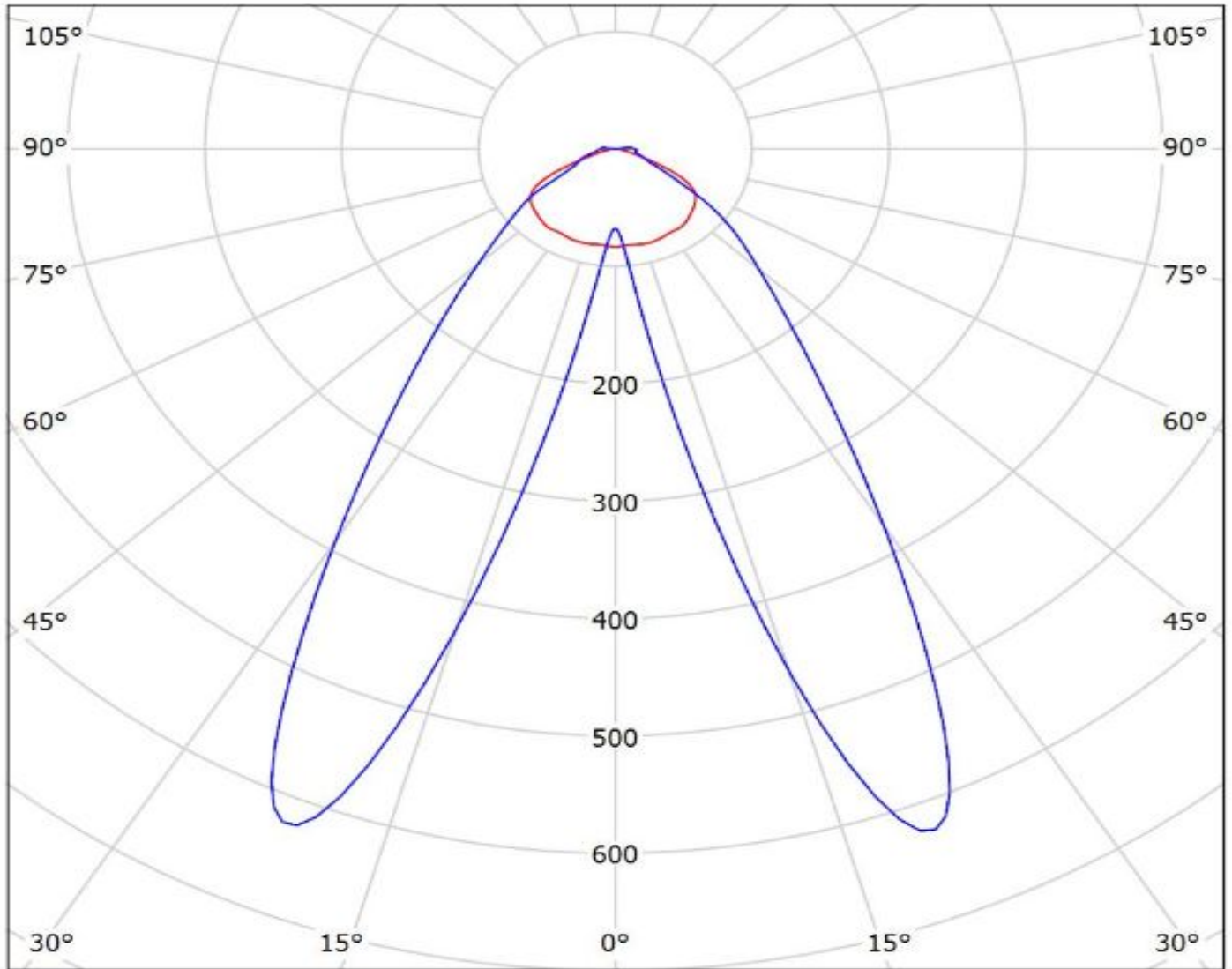
cd/klm
— C0 - C180 — C90 - C270

$\eta = 97\%$

Ledil F14170_FLORENCE-ZT25_(MP-2016) / LDC (Polar)

Luminaire: Ledil F14170_FLORENCE-ZT25_(MP-2016)

Lamps: 1 x Luminus_MP-2016_x22_(LUMMP-1100-30-80)_715.864lm@180mA_P=6W_I=0.18A



cd/klm

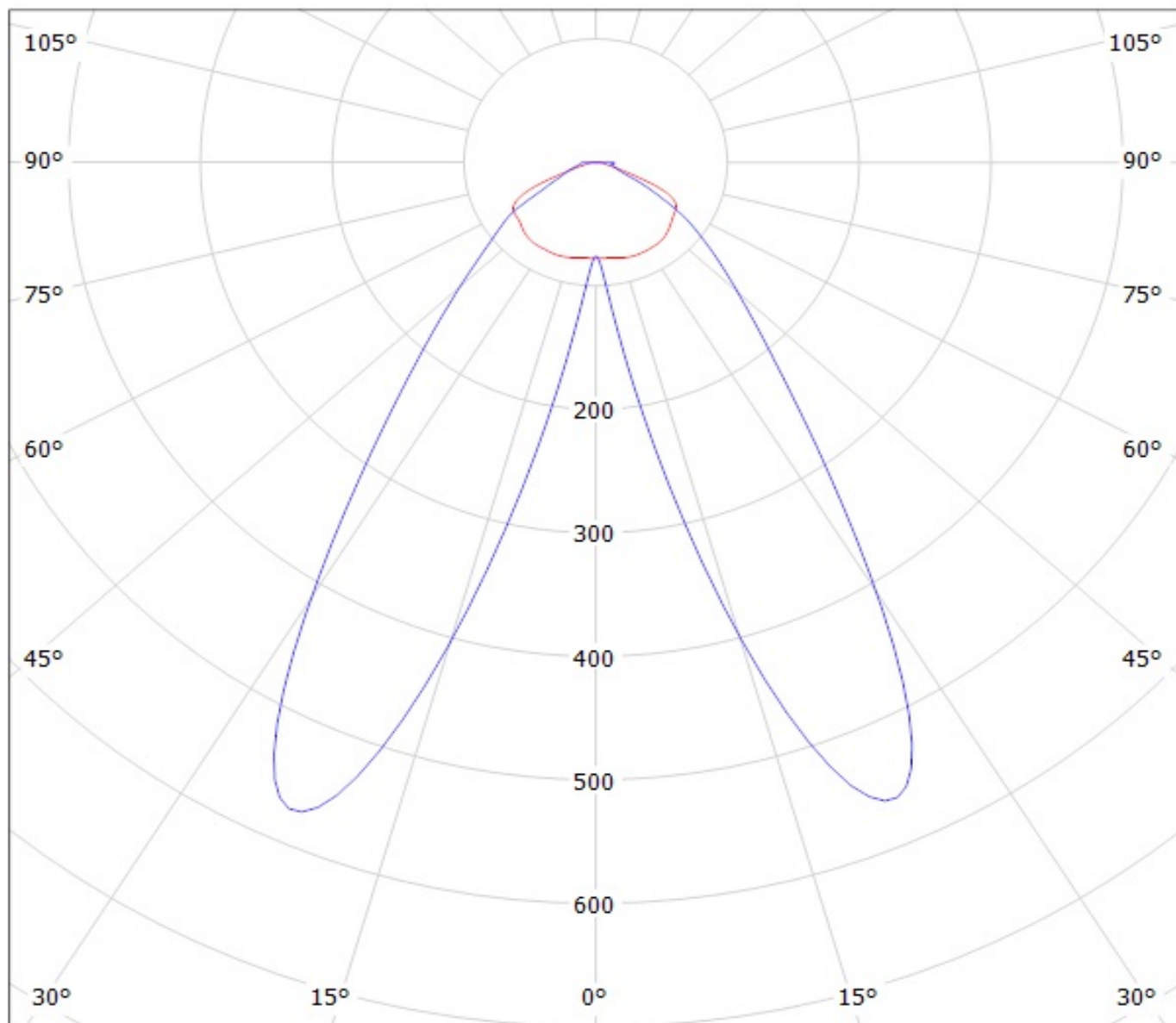
— C0 - C180

— C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(NT2x757D) Eff: 94%

Lamps: 1 x Nichia_NT2x757D_(NT2W757DRT)_1465.4lm@150mA_P=9.3849W_I=0.15A

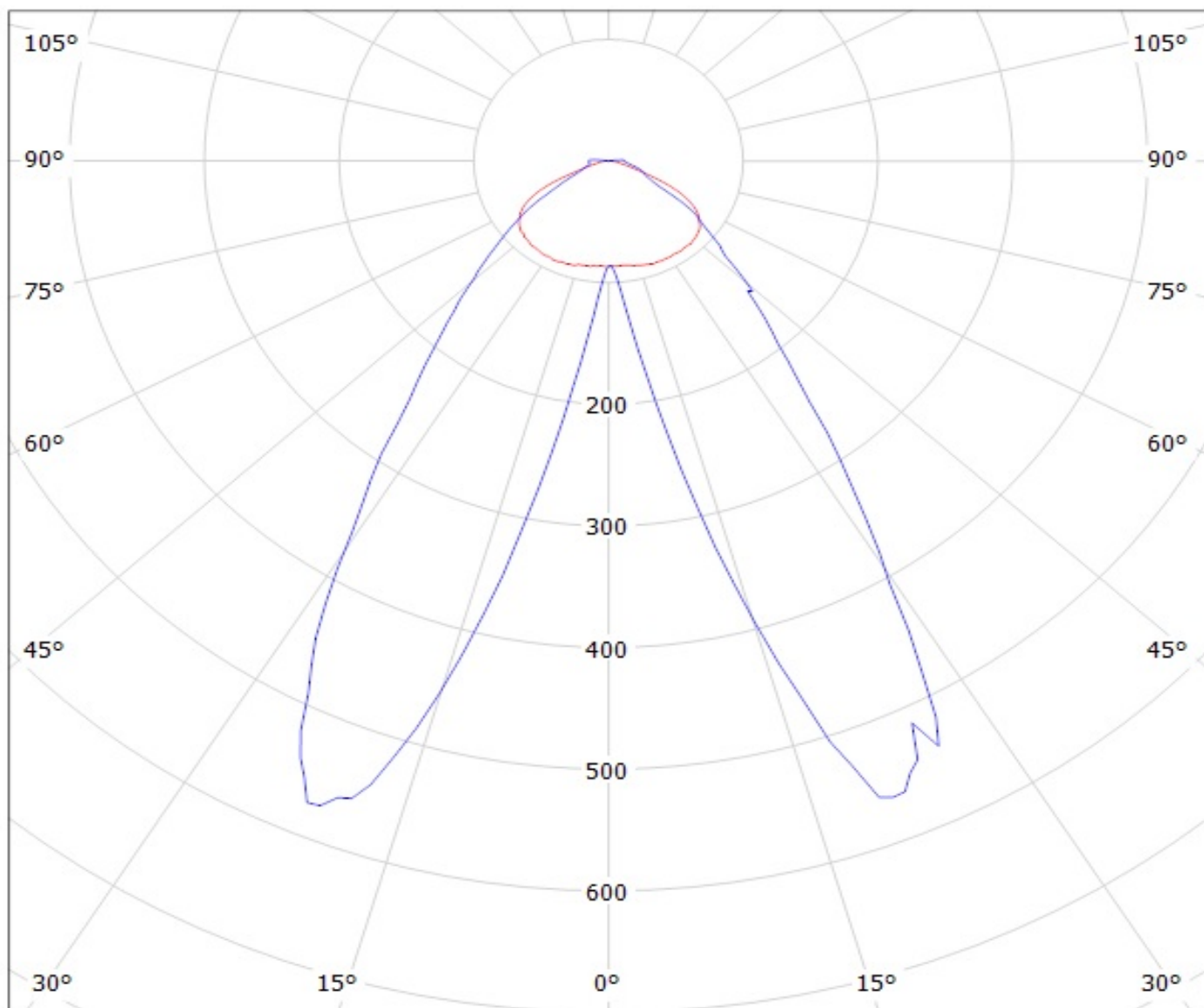


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(DURIS_E5) Eff. 94%
Lamps: 1 x Osram_DURIS_E5_570lm@120mA_P=3.69459W_I=120.2mA

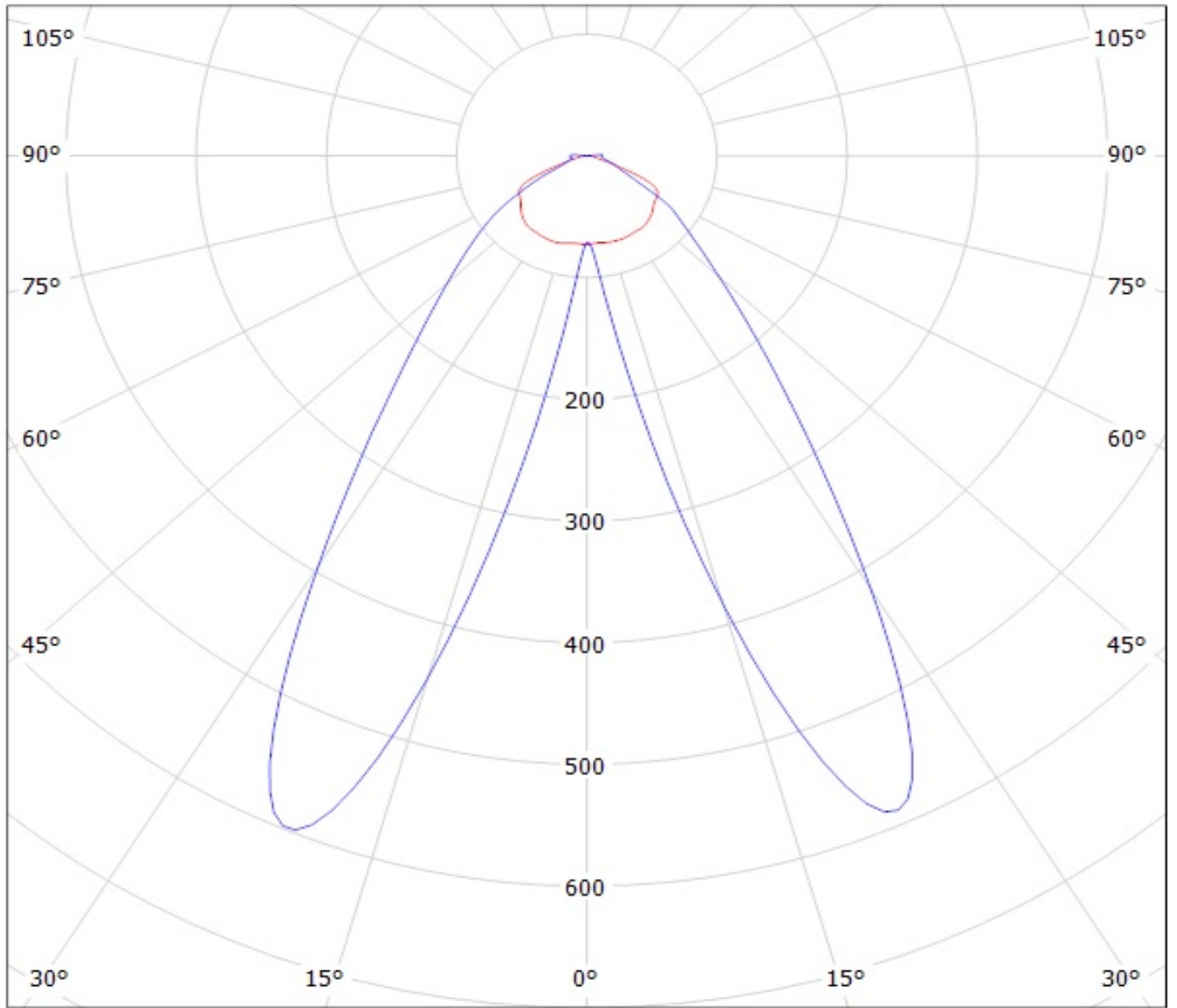


cd/klm

— C0 - C180

— C90 - C270

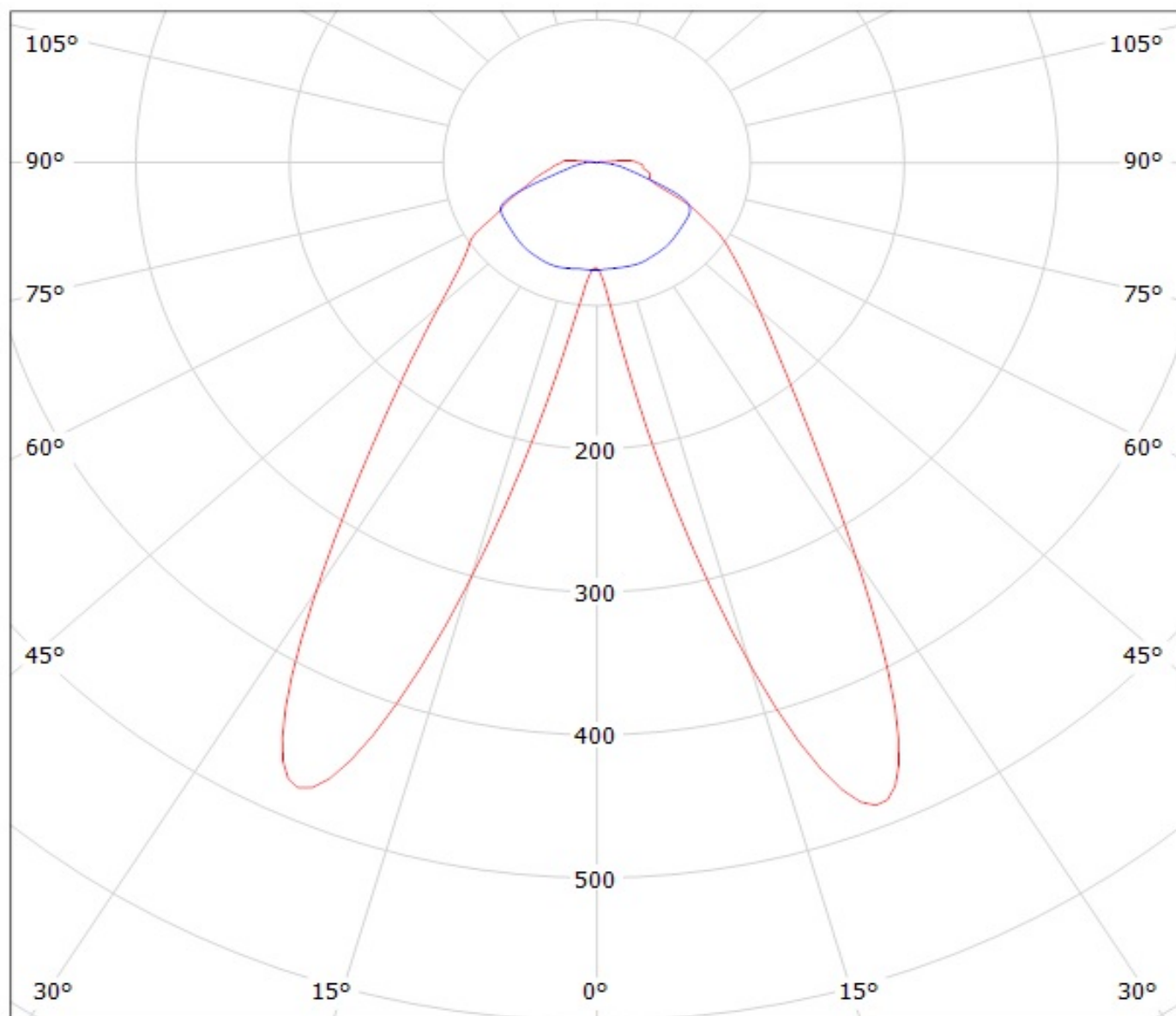
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(DURIS_S5) Eff: 94%
Lamps: 1 x Osram_DURIS_S5_511.3lm@120mA_P=3.76574W_I=120.1mA



cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(Duris_P5) Eff: 93%
Lamps: 1 x Osram_Duris_P5_756.444lm@250mA_P=7.78777W_I=249.8mA

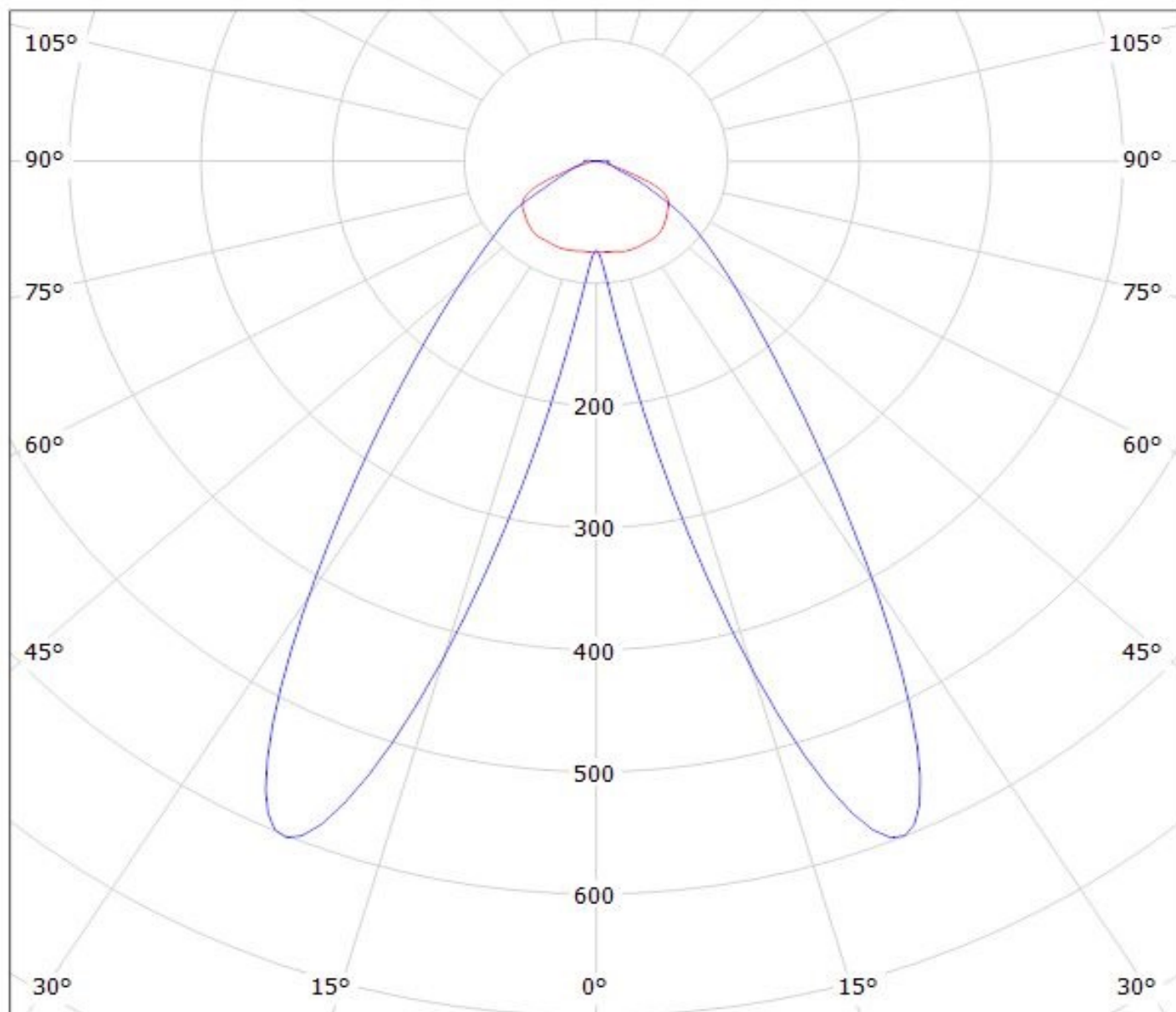


cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(Osram_PLG2-BAR)

Lamps: 1 x Osram_PLG2-BAR -1100-830-280x55-DC_1021.93lm@225mA_P=7.1643W_I=0.225A

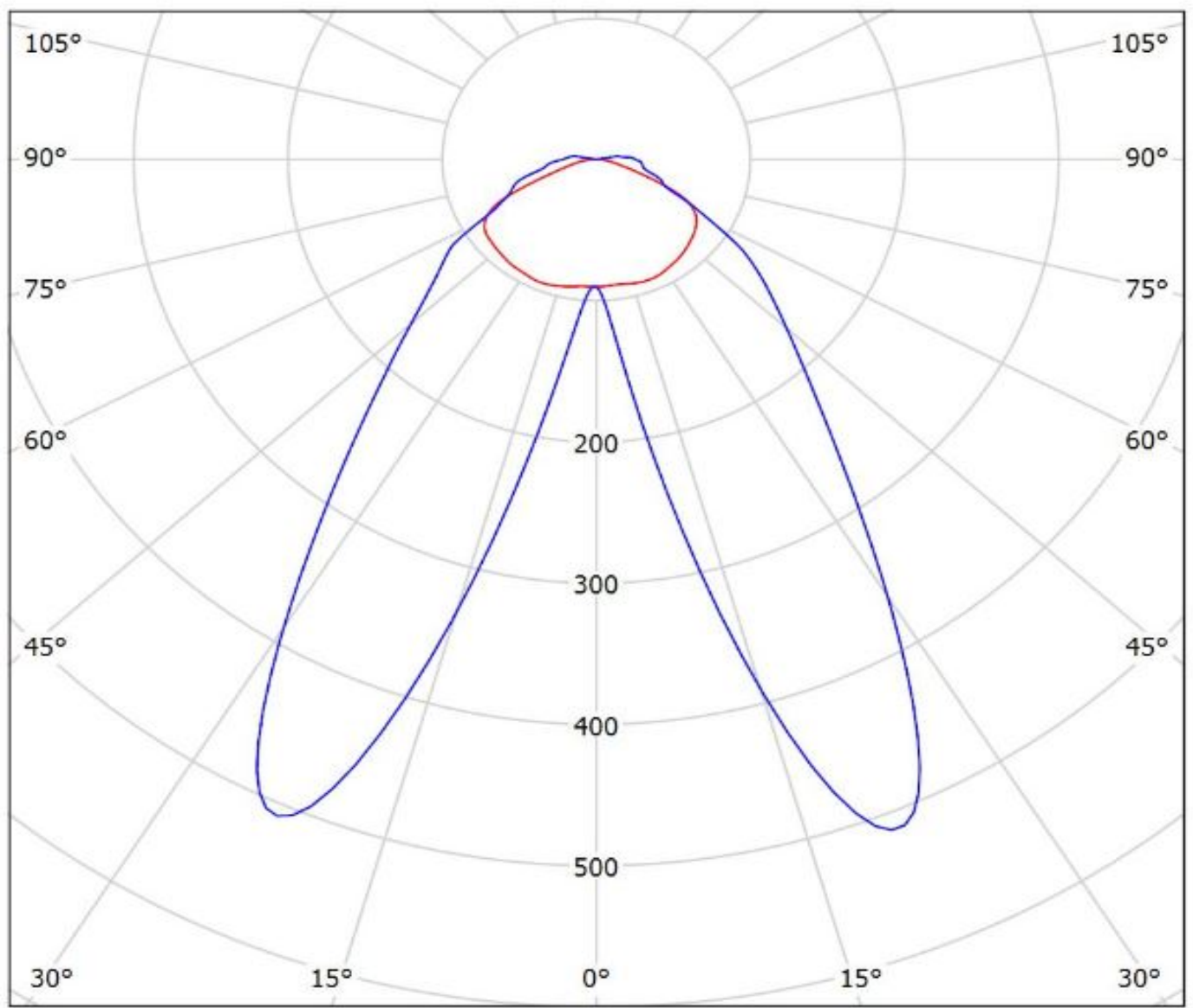


cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: Ledil F14170_FLORENCE-ZT25_(Duris_S2)
Lamps: 1 x Osram_Duris-S2_3x11_(GW SBLMA1.EM-GUHQ-XX37-L1N2)
_876.783lm@195mA_CCT=3000K_P=6.3082W_I=0.195A

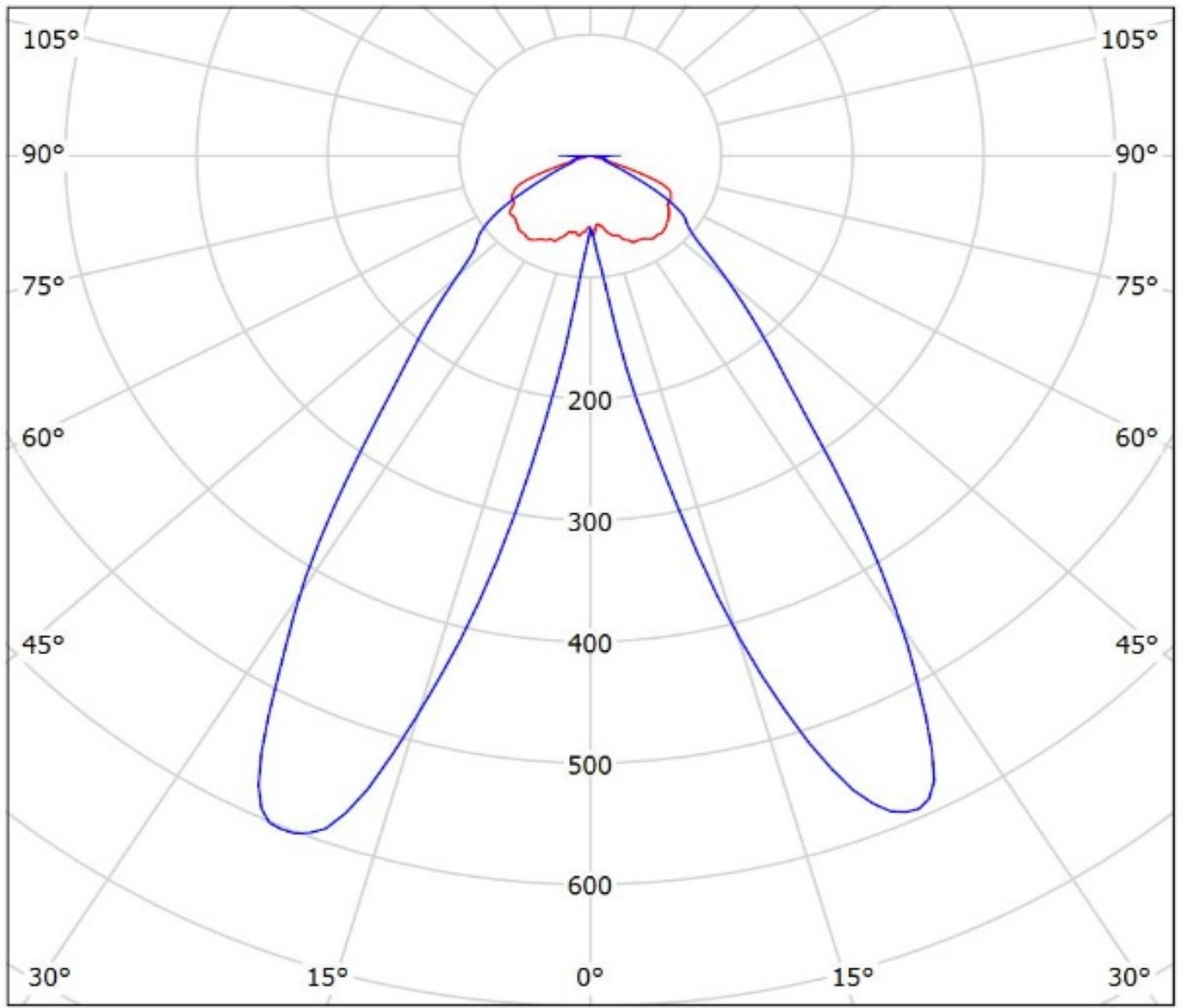


cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

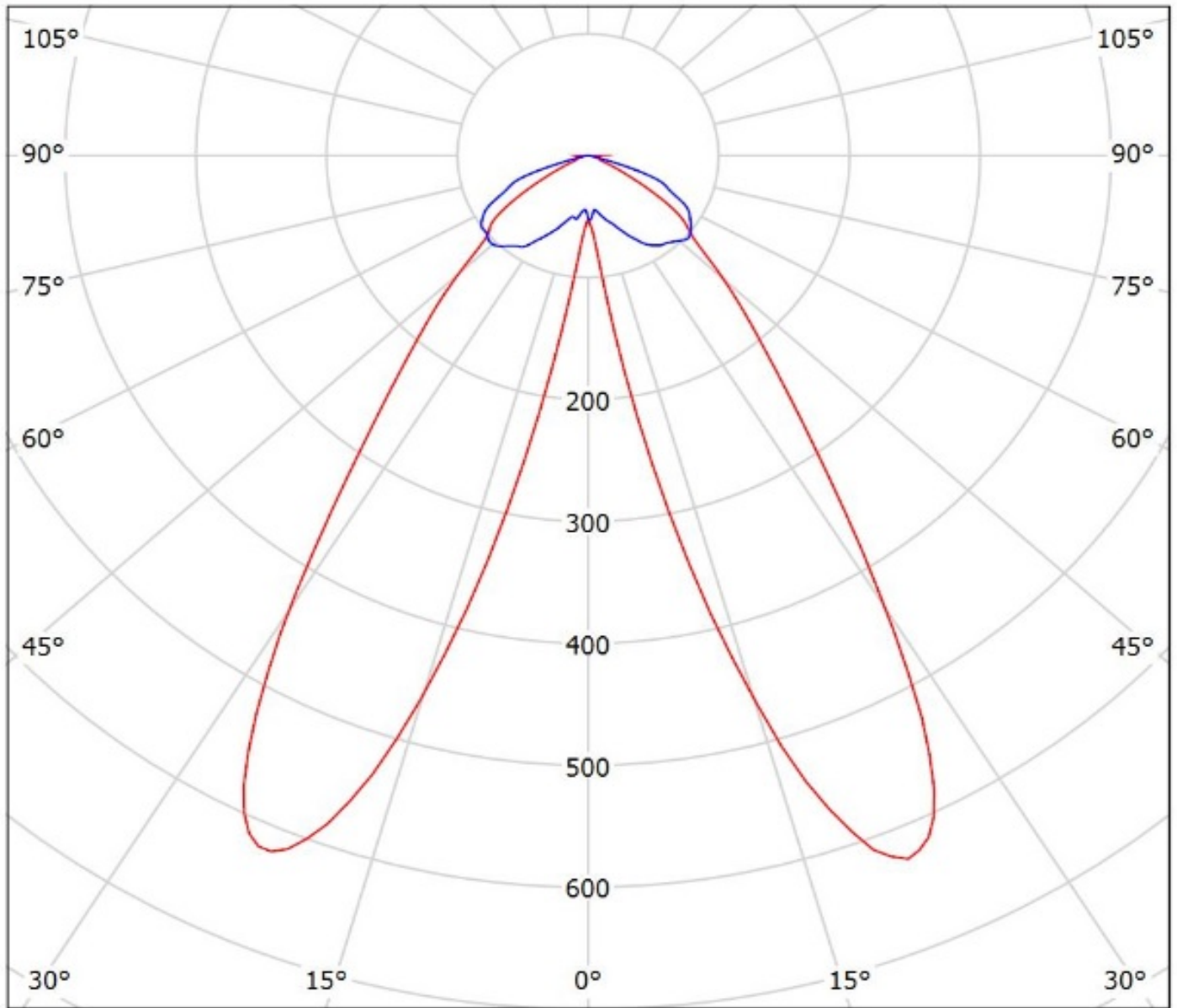
Luminaire: Ledil Oy F14170_FLORENCE-ZT25_(Duris_E_2835)_SIMULATED
Lamps: 1 x Osram Duris E 2835 - GW JTLRS1.EM



cd/klm
— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: Ledil Oy F14170_FLORENCE-ZT25-Fortimo_650lm_3R_SIMULATED
Lamps: 1 x Fortimo_650lm_3R



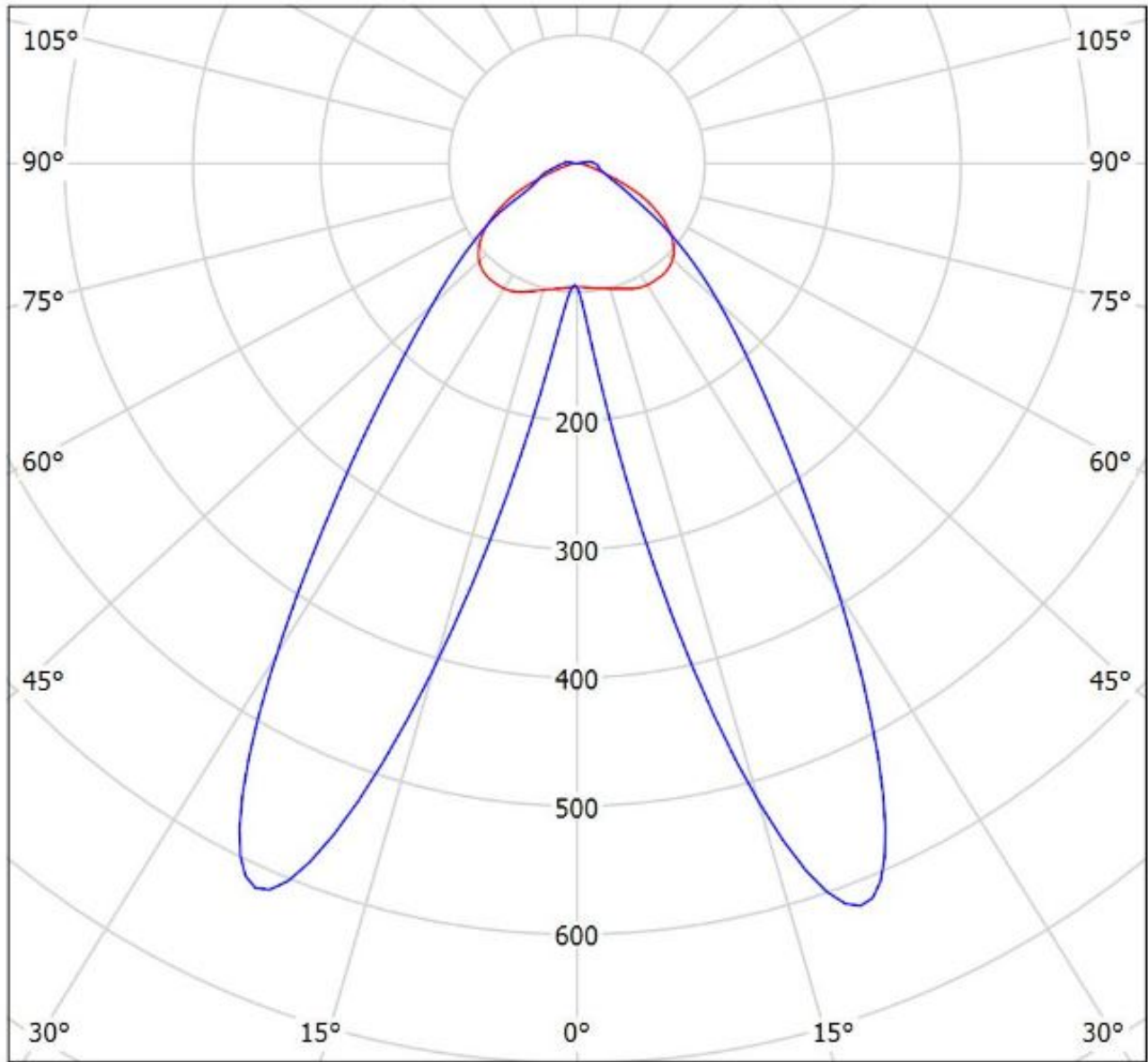
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: Ledil F14170_FLORENCE-ZT25_(Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2)

Lamps: 1 x Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2_1229.9lm@250mA_CCT=3000K_P=7.5790W_I=0.25A

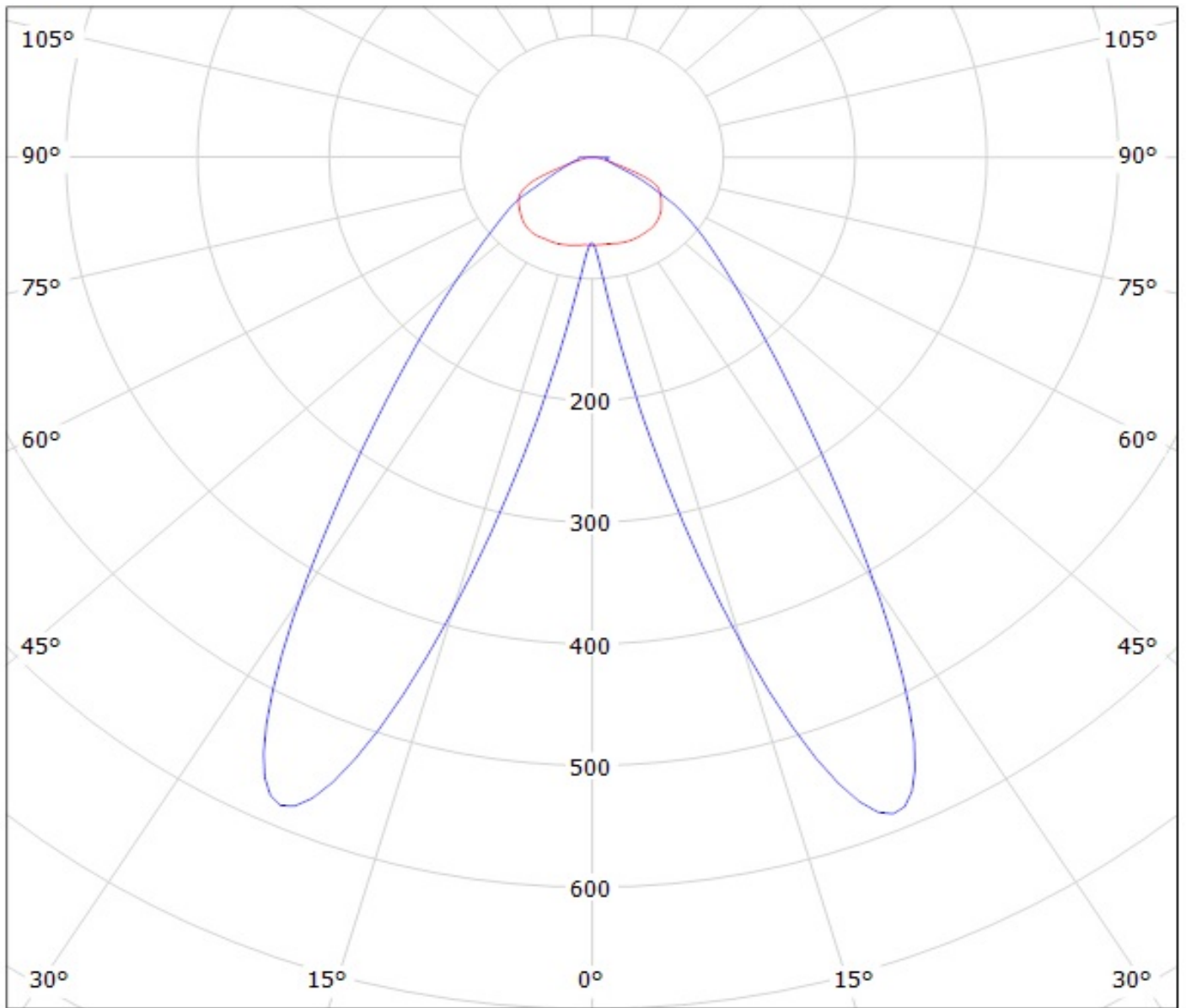


cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

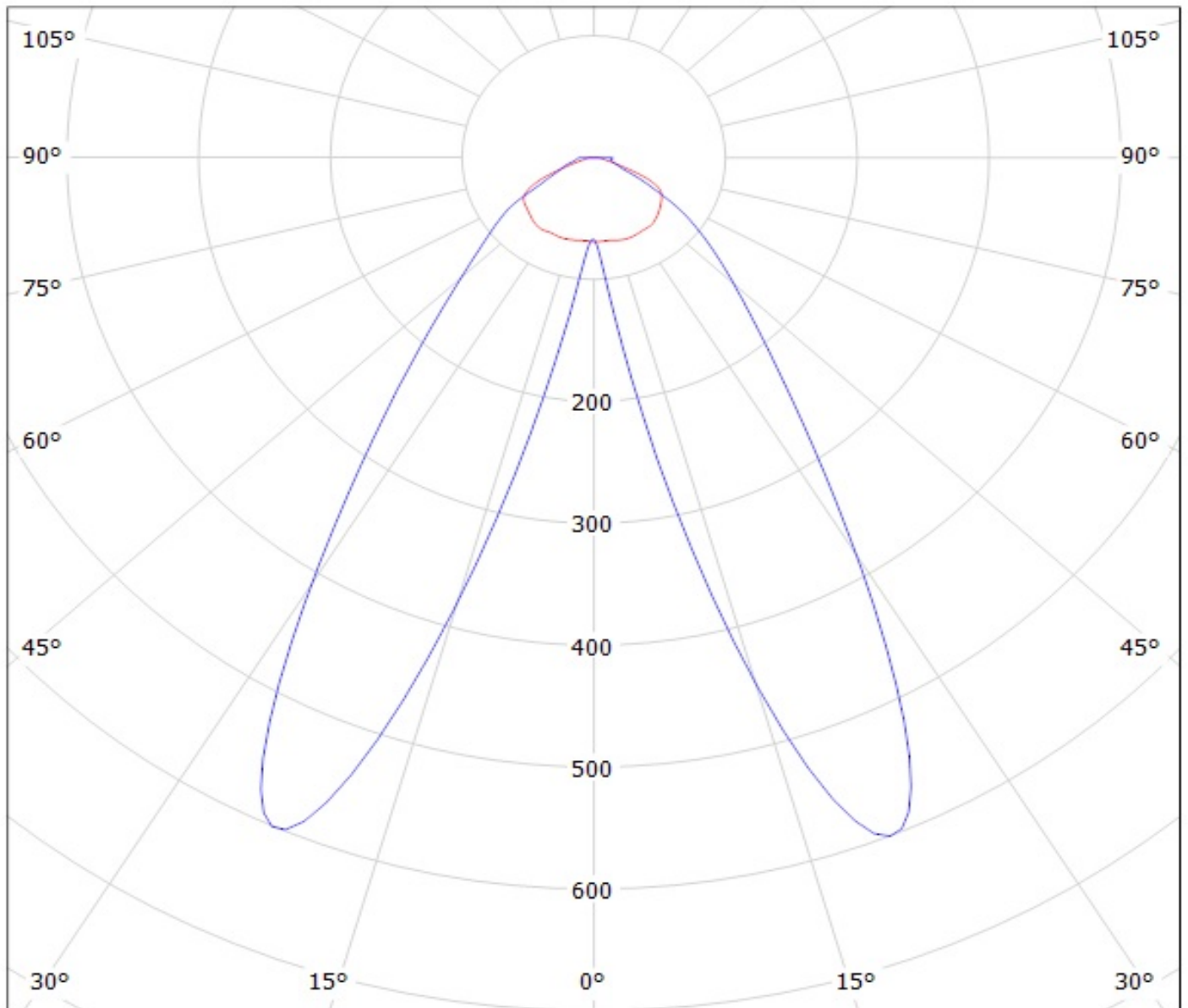
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LM561B) Eff: 94%
Lamps: 1 x Samsung_LM561B_695.232lm@150mA_P=4.6194W_I=0.15A



cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LM231B) Eff: 94%
Lamps: 1 x Samsung_LM231B_579lm@150mA_P=4.62045W_I=0.15A

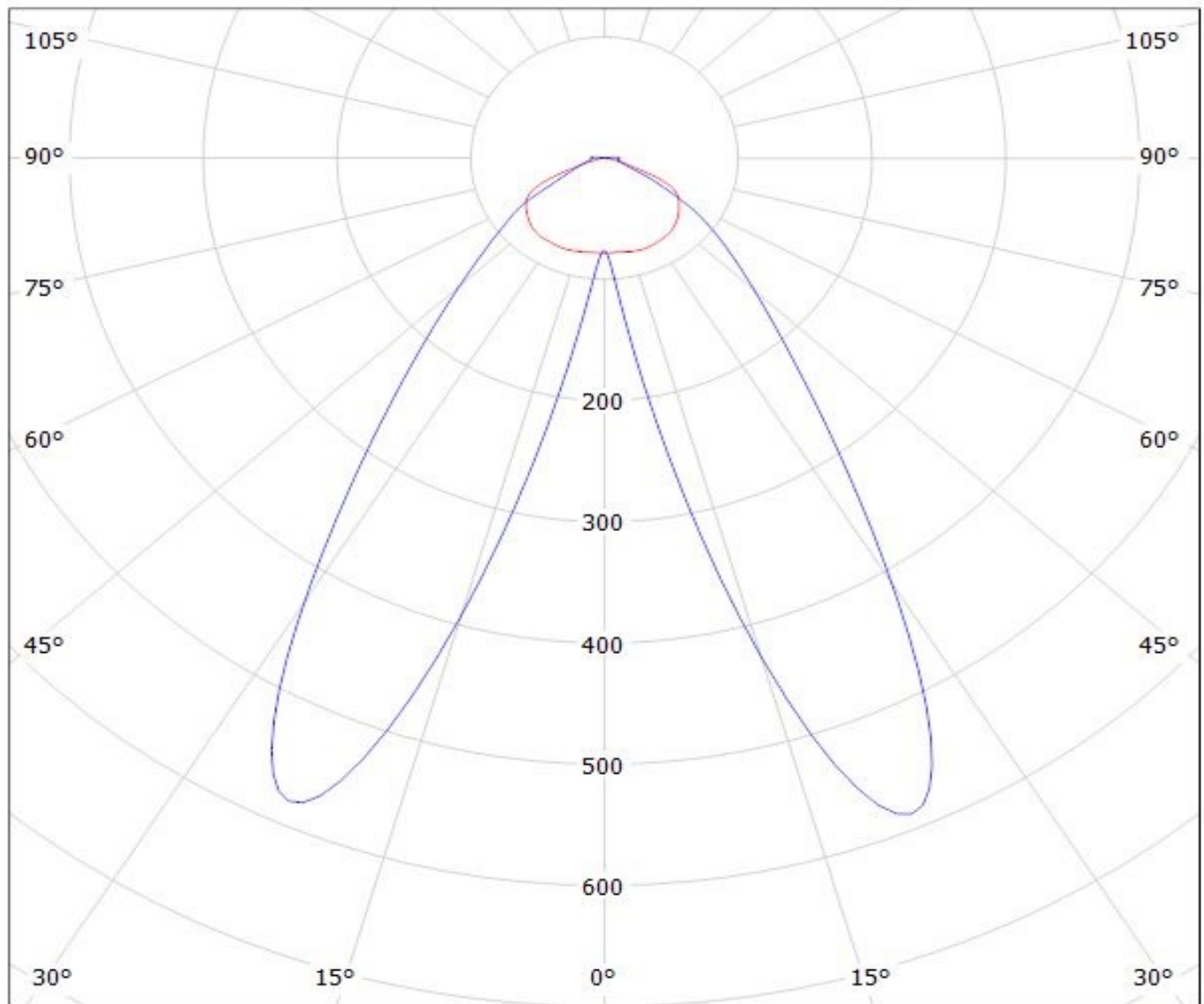


cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LT-R286A)

Lamps: 1 x Samsung_LT-R286A_1304.7lm@250mA_P=8.2181W_I=0.250A



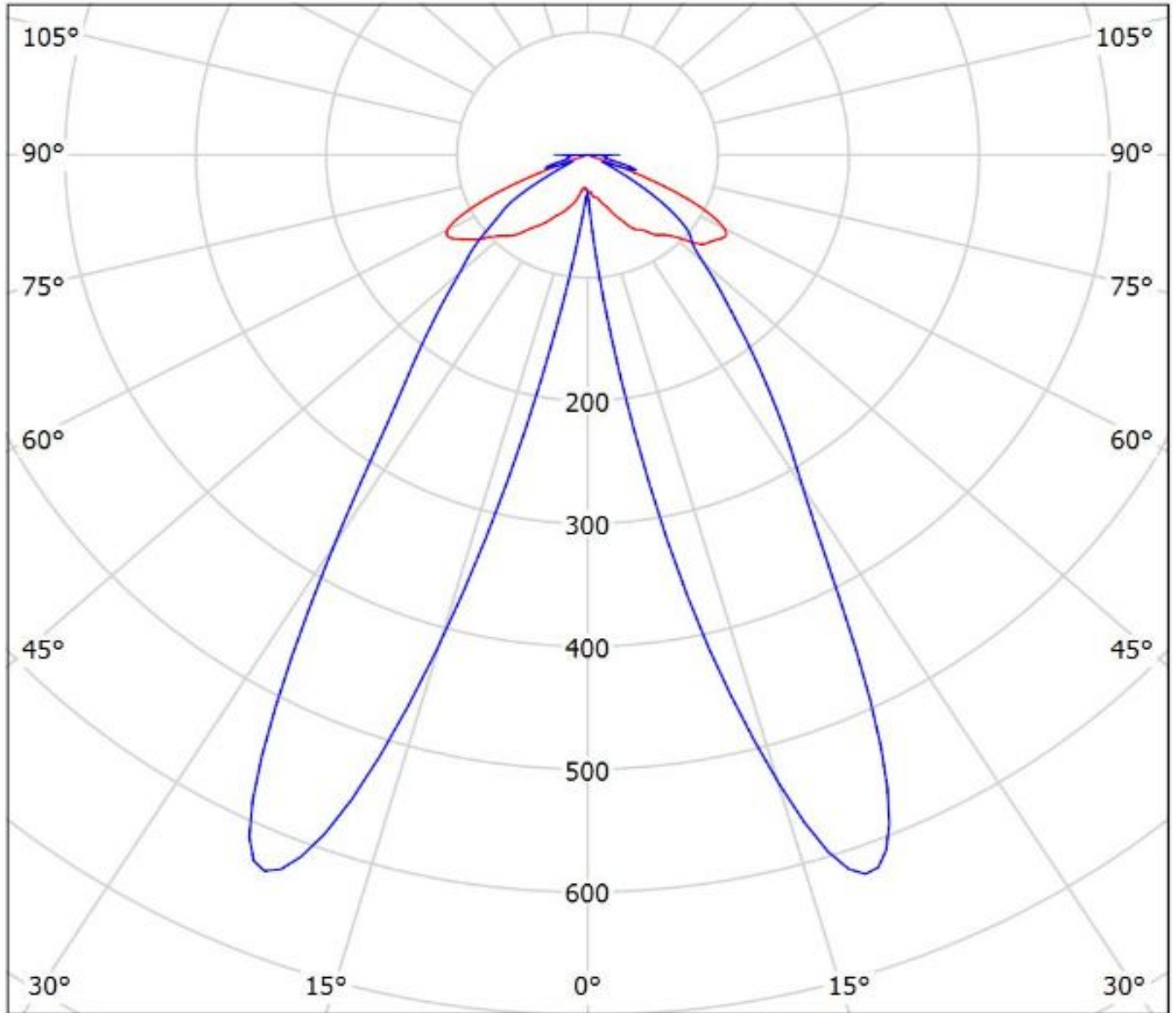
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: Ledil Oy F14170_FLORENCE-ZT25_OSRAM_DURIS_S5_(2chip)_SIMULATED
Lamps: 1 x OSRAM DURIS S5 (2chip)



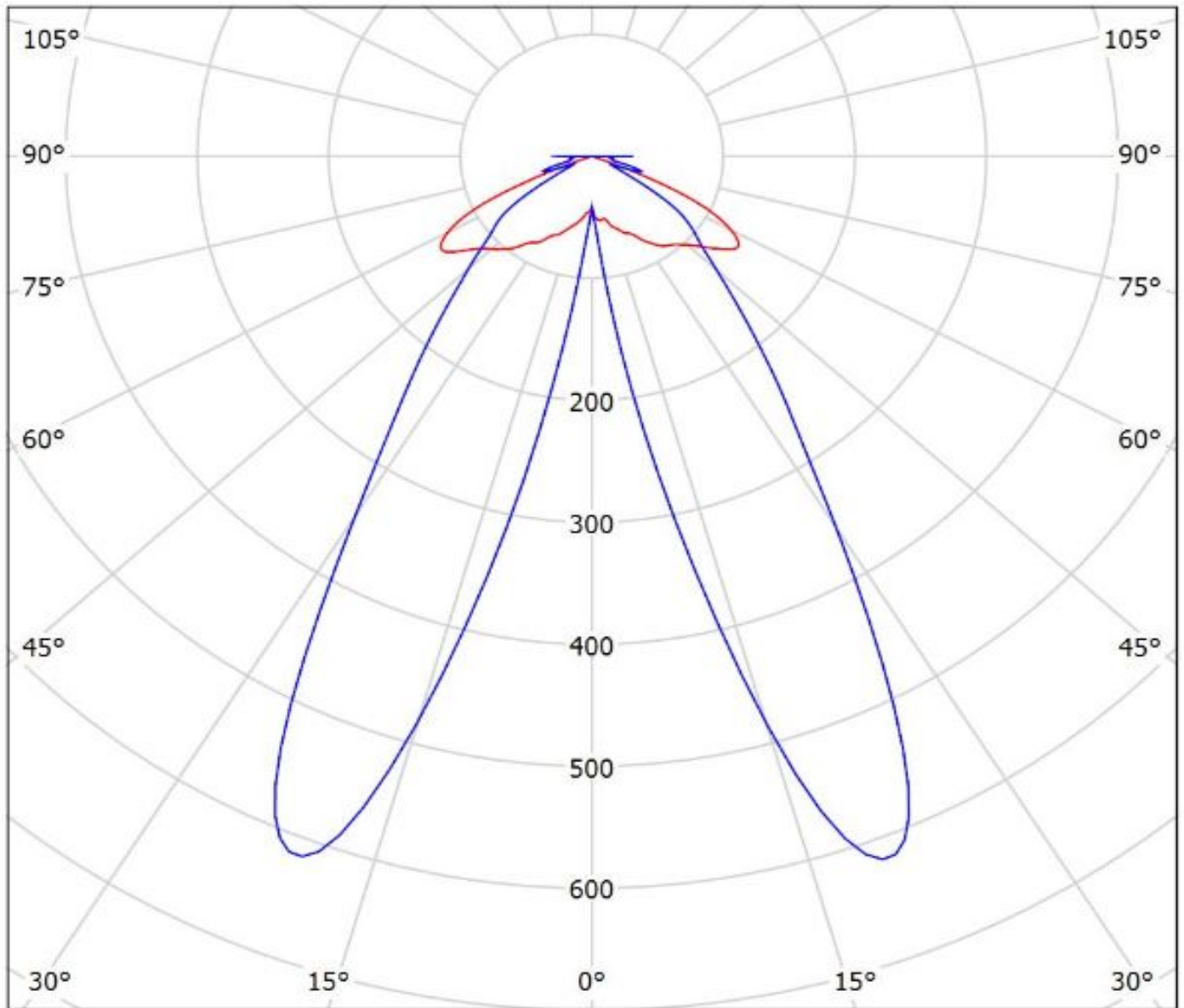
cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: Ledil Oy F14170_FLORENCE-ZT25_SEOUL_5630_D_SIMULATED
Lamps: 1 x SEOUL 5630 D

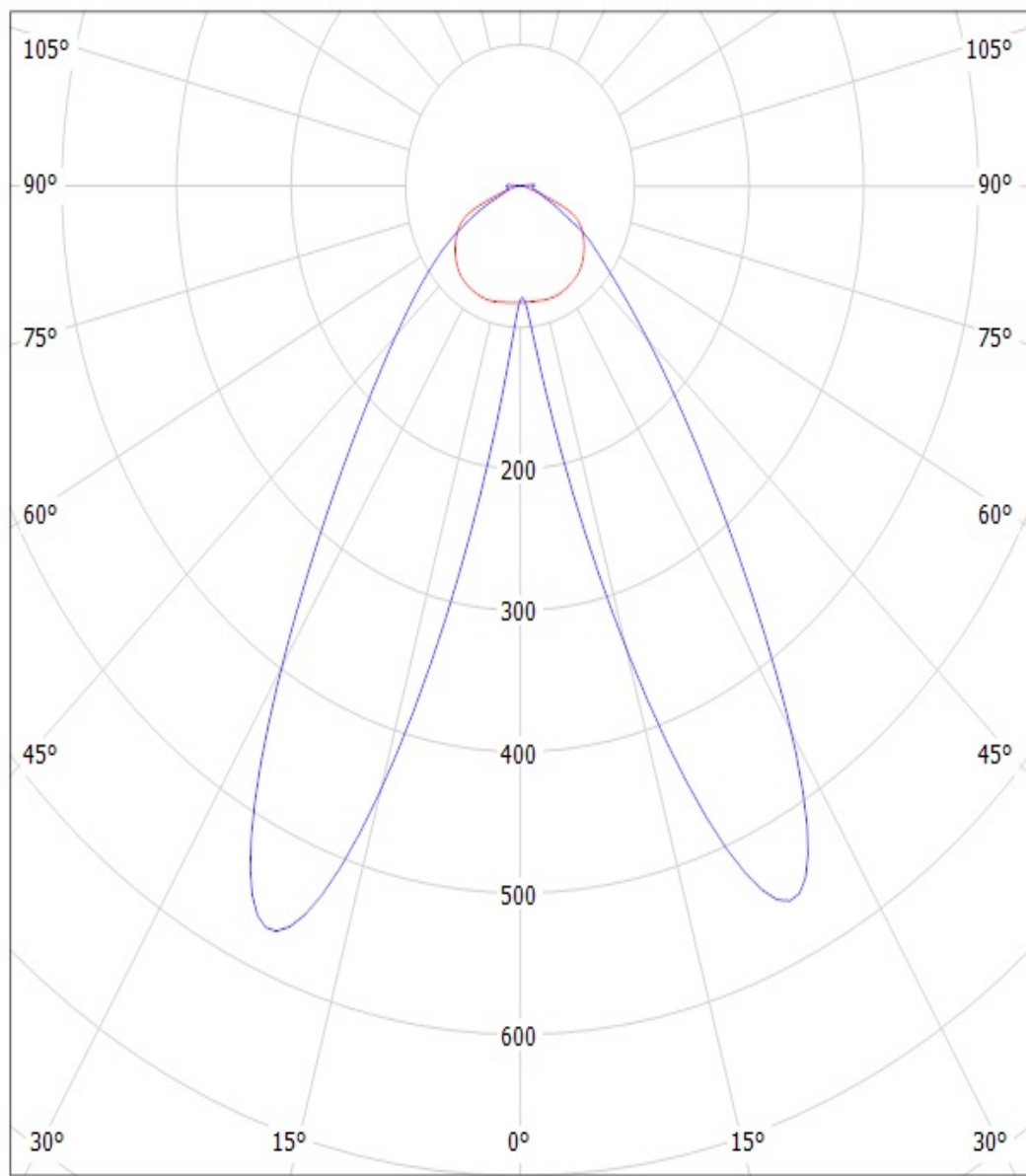


cd/klm
— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LLE-55-280-1650)

Lamps: 1 x Tridonic_STARK_LLE-55-280-1650_(STARK_LLE-55-280-1650-840-CLA)_1532lm@325lm_CCT=4000K_P=10.1908W_I=324.9mA



cd/klm

$\eta = 94\%$

— 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.