PRODUCT DATASHEET
Florence series
last update 31/7/2017

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 Compliant	Yes
Date Updated	31/07/2017

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	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 - xxxx033C30031)	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	-
OSCONIQ P 2226	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	-
Oslon Square Gen3	Asymmetric deg	Asymmetric	94 %	0.580	-
Fortimo LED Line 1ft 650lm 8x0 3R xV2/xV3	sim: Asymmetric	Asymmetric	sim: 93 %	sim: 0.630	-
Fortimo LED Line 1ft 1100lm xx0 3R xV2/xV3	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	-

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Florence series
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OPTICAL PROPERTIES

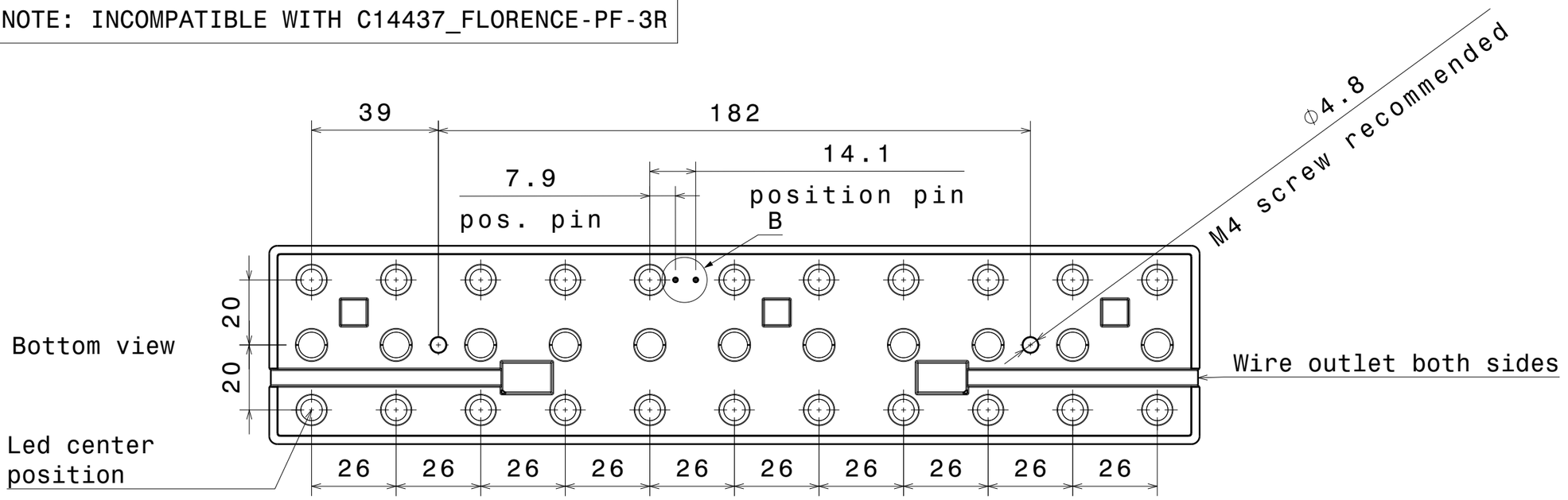
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
LM28xB Series	sim: Asymmetric	Asymmetric	sim: 94 %	sim: 0.640	-
LM561B Plus	Asymmetric deg	Asymmetric	94 %	0.590	-
SEOUL 5630C	sim: Asymmetric	Asymmetric	sim: 94 %	sim: 0.610	-
SEOUL 5630D	sim: Asymmetric	Asymmetric	sim: 94 %	sim: 0.620	-
STARK LLE-55-280-1650 CLASSIC	Asymmetric deg	Asymmetric	94 %	0.570	-

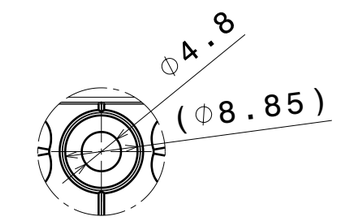
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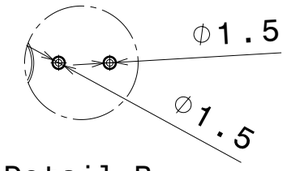
NOTE: INCOMPATIBLE WITH C14437_FLORENCE-PF-3R

Bottom view



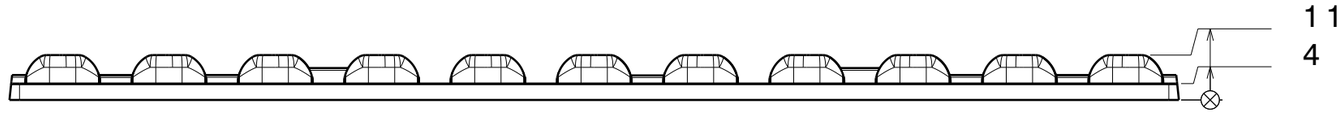


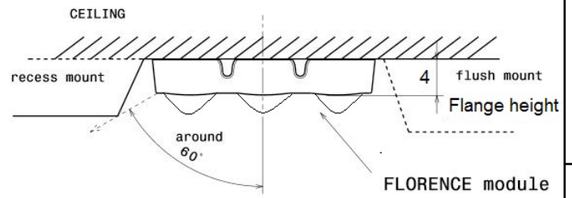
Detail A



Detail B

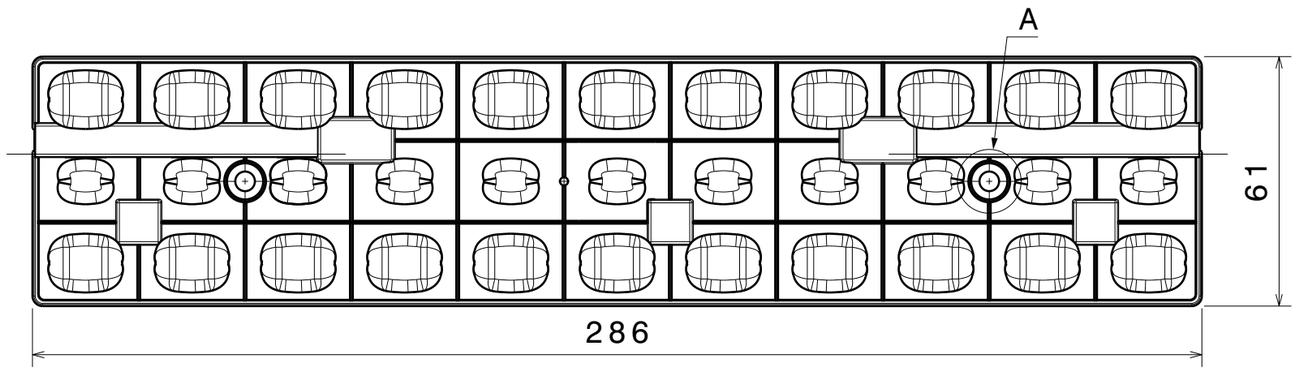
Front view

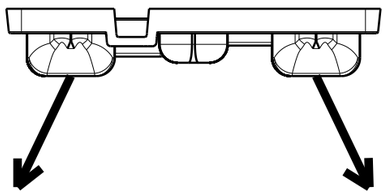




Typical setup

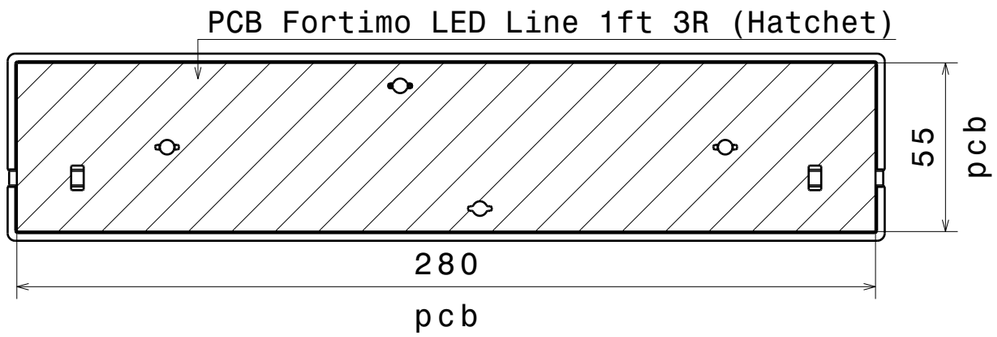
Top view





Double asymmetric light direction

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 M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

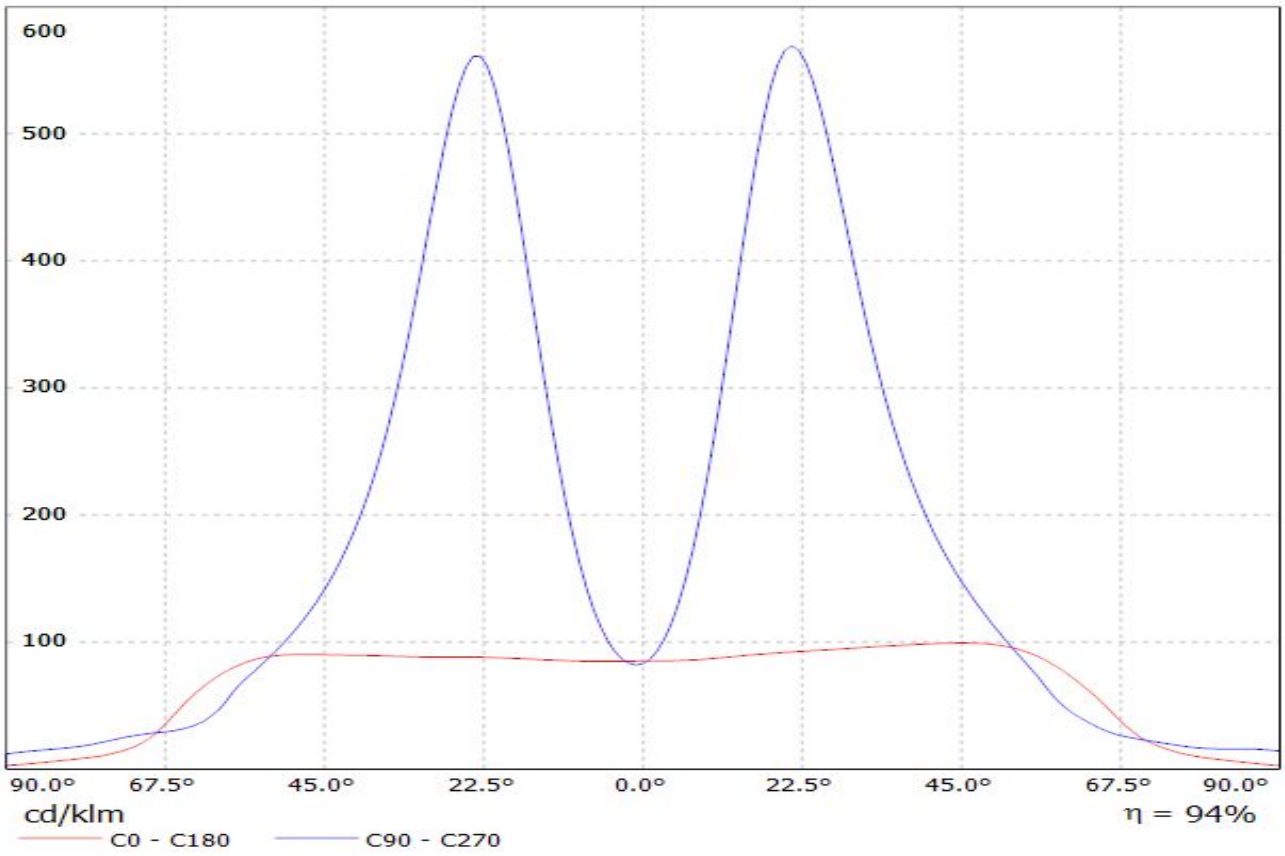
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.

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Finland

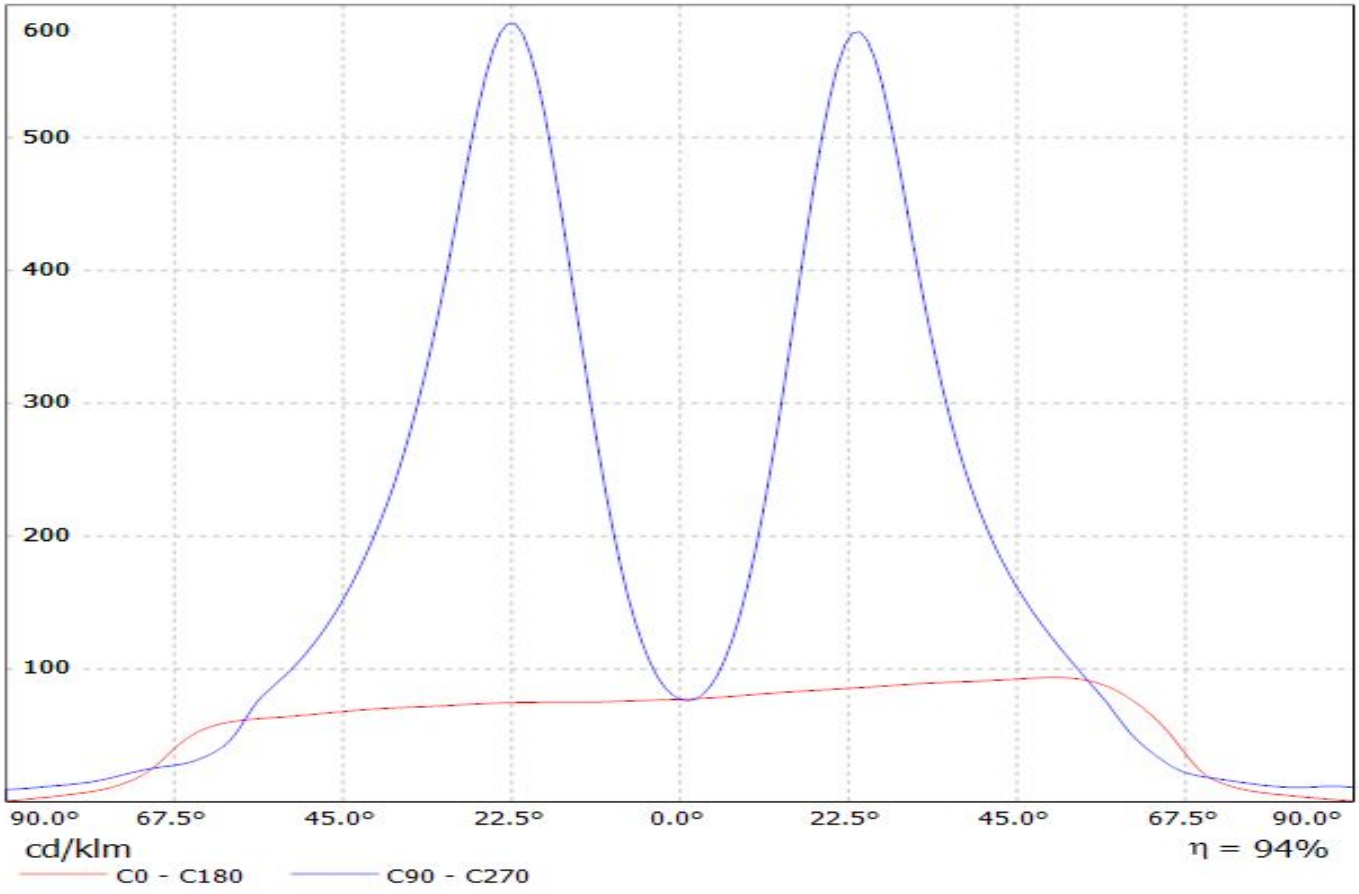
DRAWING TITLE
F14170_FLORENCE-ZT25

SIZE	PART NUMBER		
A3	F14170		
SCALE 1:1	WEIGHT 76 g		SHEET 1/1

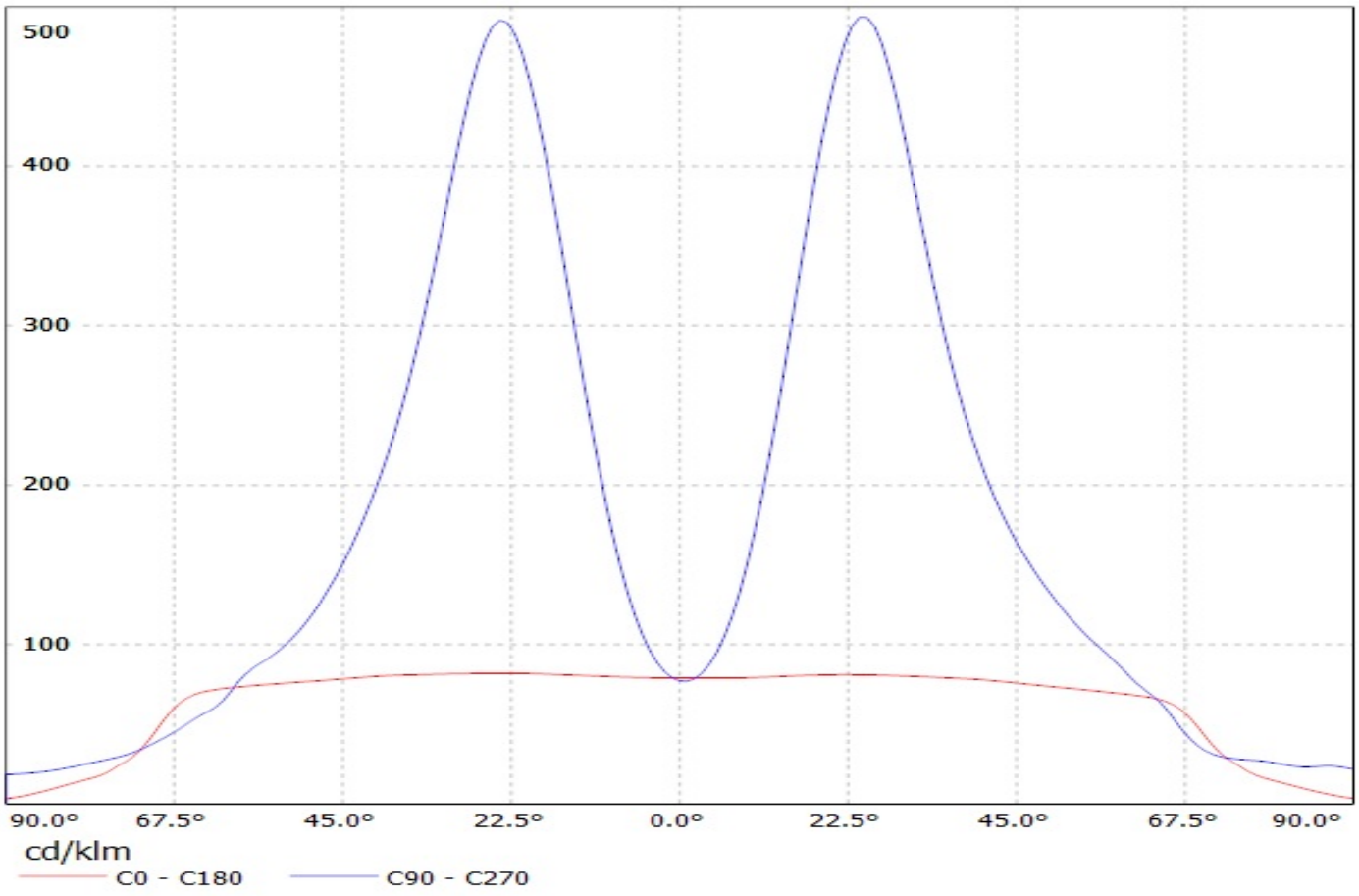
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(AVAGO 5630 0.5W)
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V



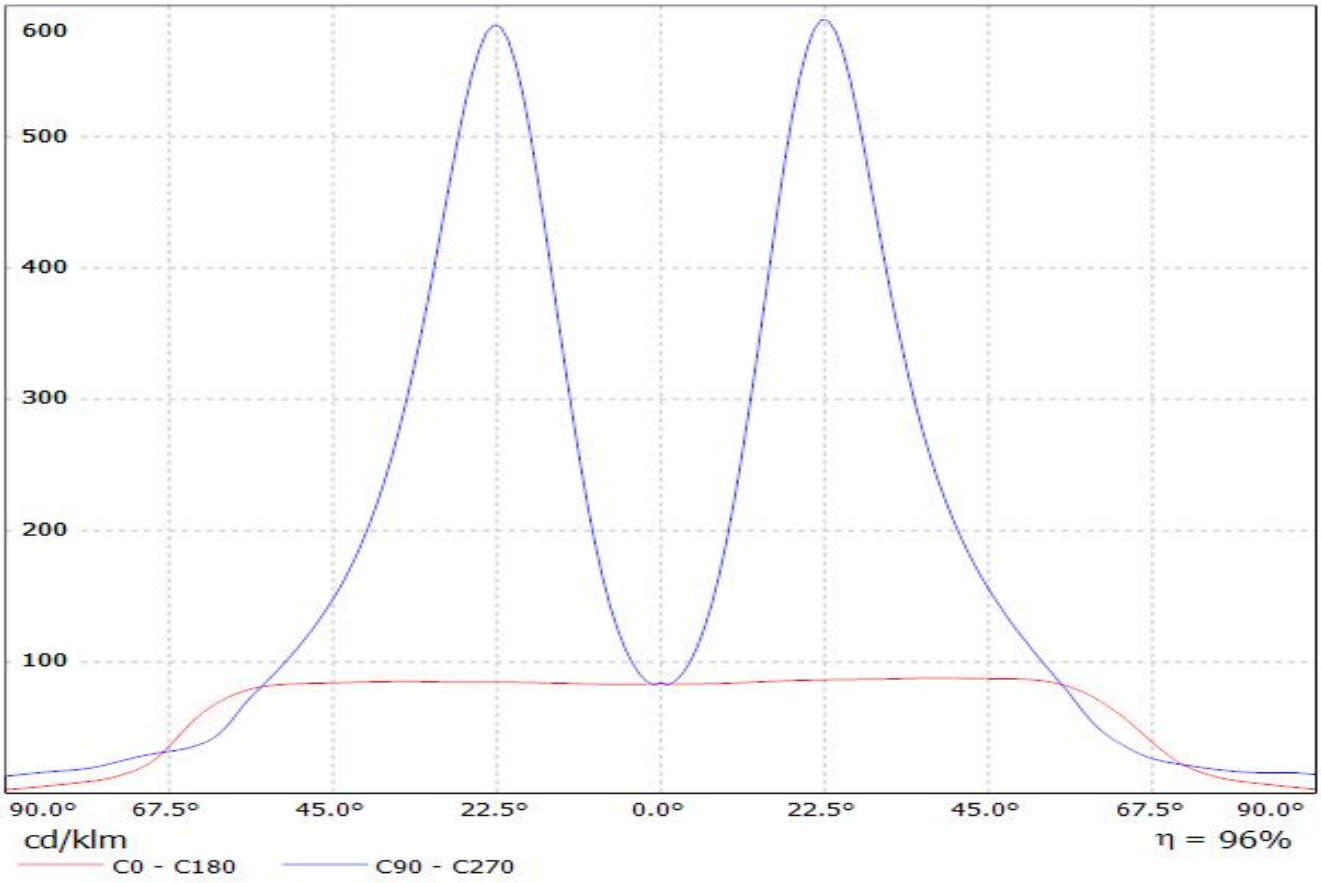
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(TRIDINO-R3)_GS
Lamps: 1 x Comet_Electronicsin_TRIDINO-R3-8x0-1100-1ft-HV_1299.6lm@250mA_P=8.07304W_I=0.250A



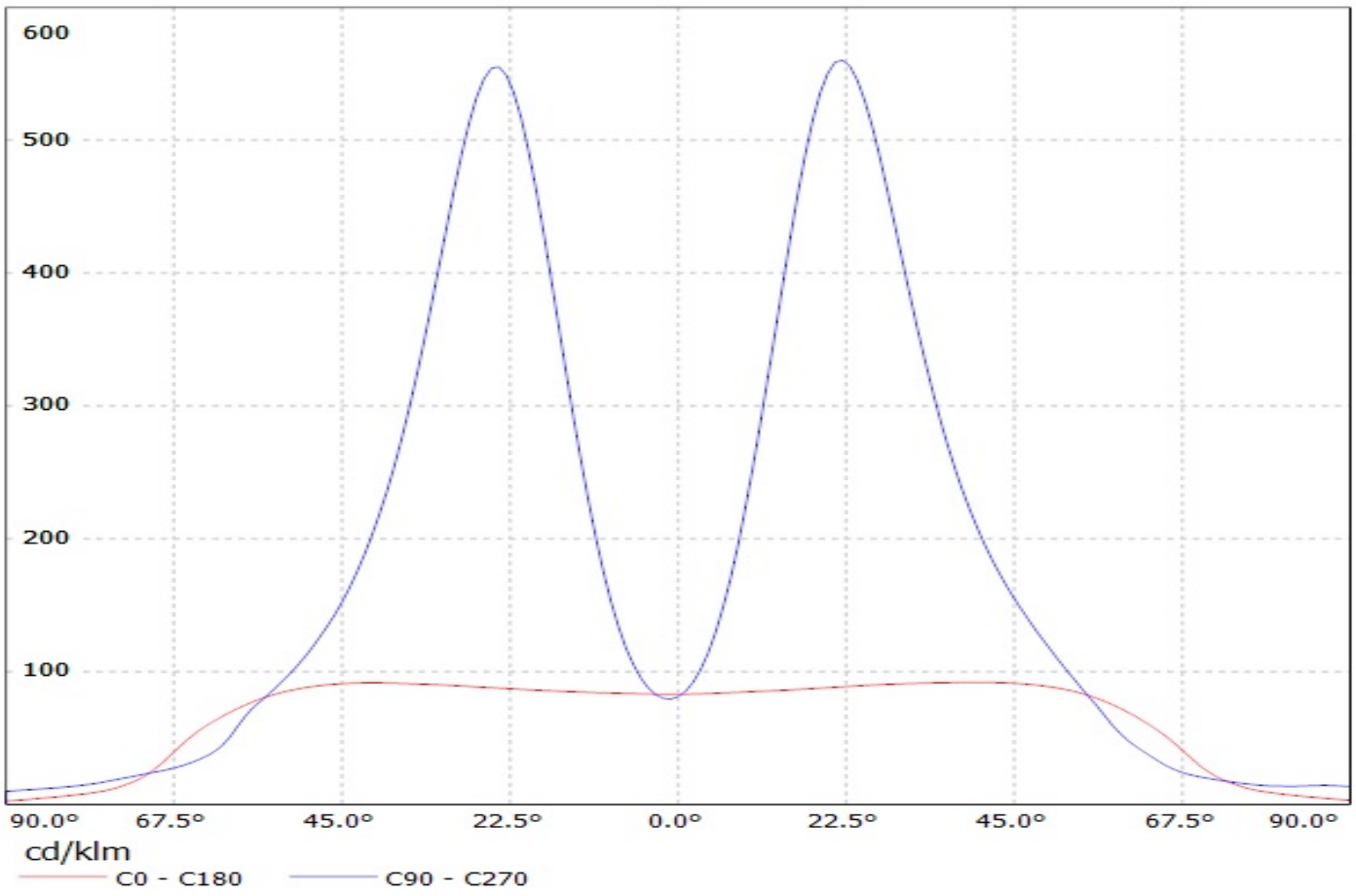
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(XH-G) Eff: 93%
Lamps: 1 x Cree_XH-G_(XHGAWT-0-7B4-J30-0H)_1063.31lm@250mA_P=8.12225W_I=0.2498A



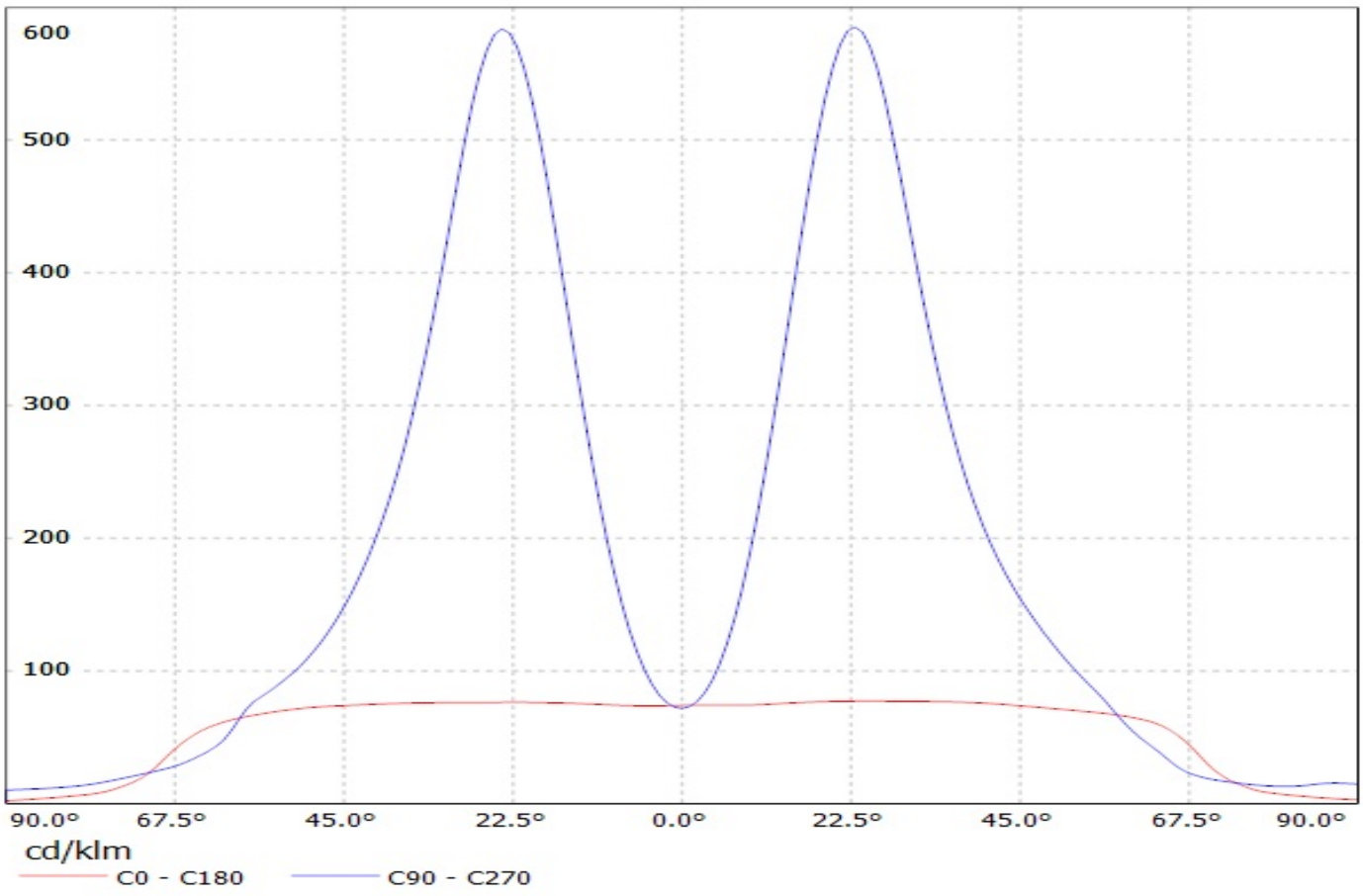
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LG_5630)
Lamps: 1 x FLORENCE_FORTIMO_(LG_5630)_1000.68lm@250mA P=8.35483W I=250.7mA



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

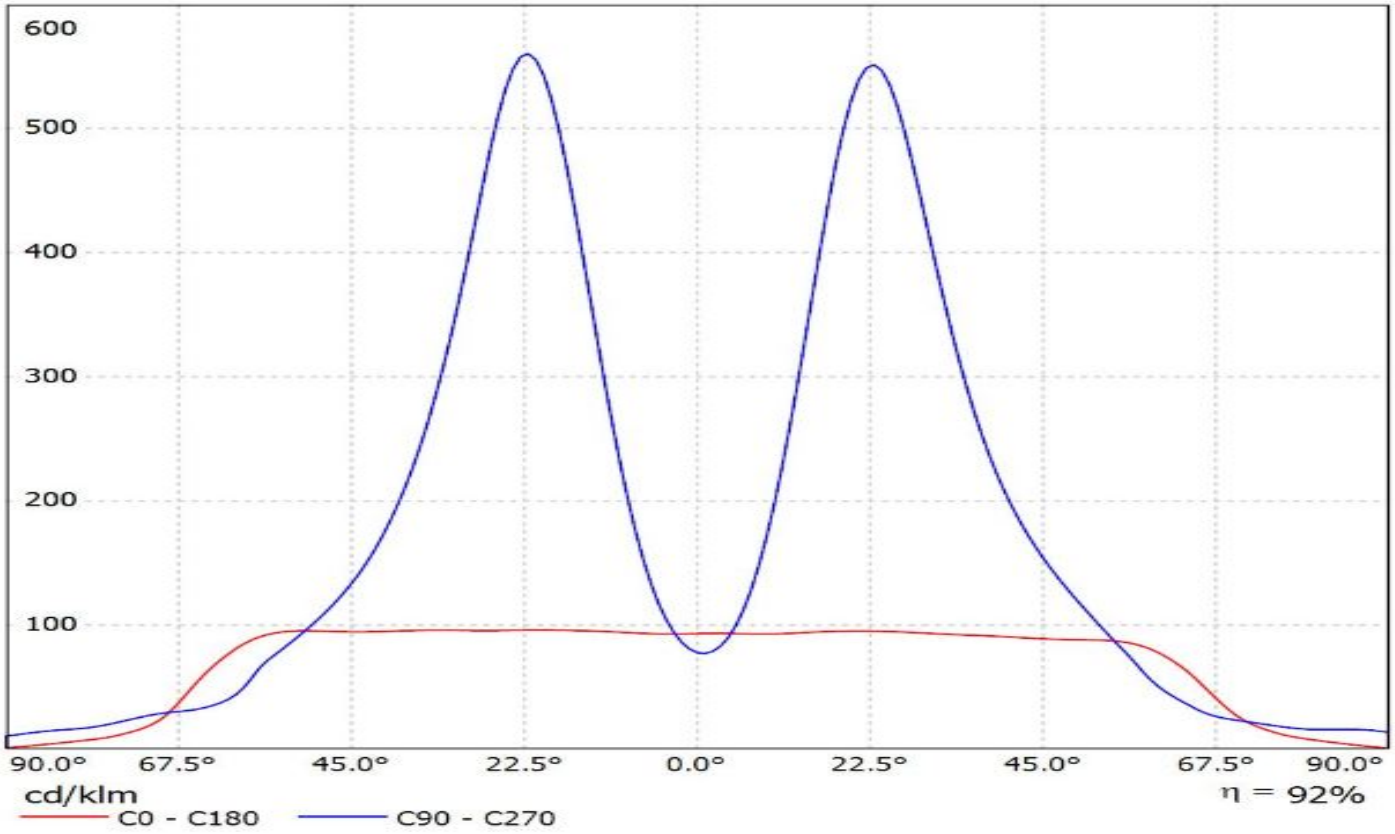


Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(Luxeon_3535) Eff: 94%
Lamps: 1 x Luxeon_3535_2D_(MXC8-PW40-0000)_1516.52lm@200mA_P=12.6909W_I=0.1999A

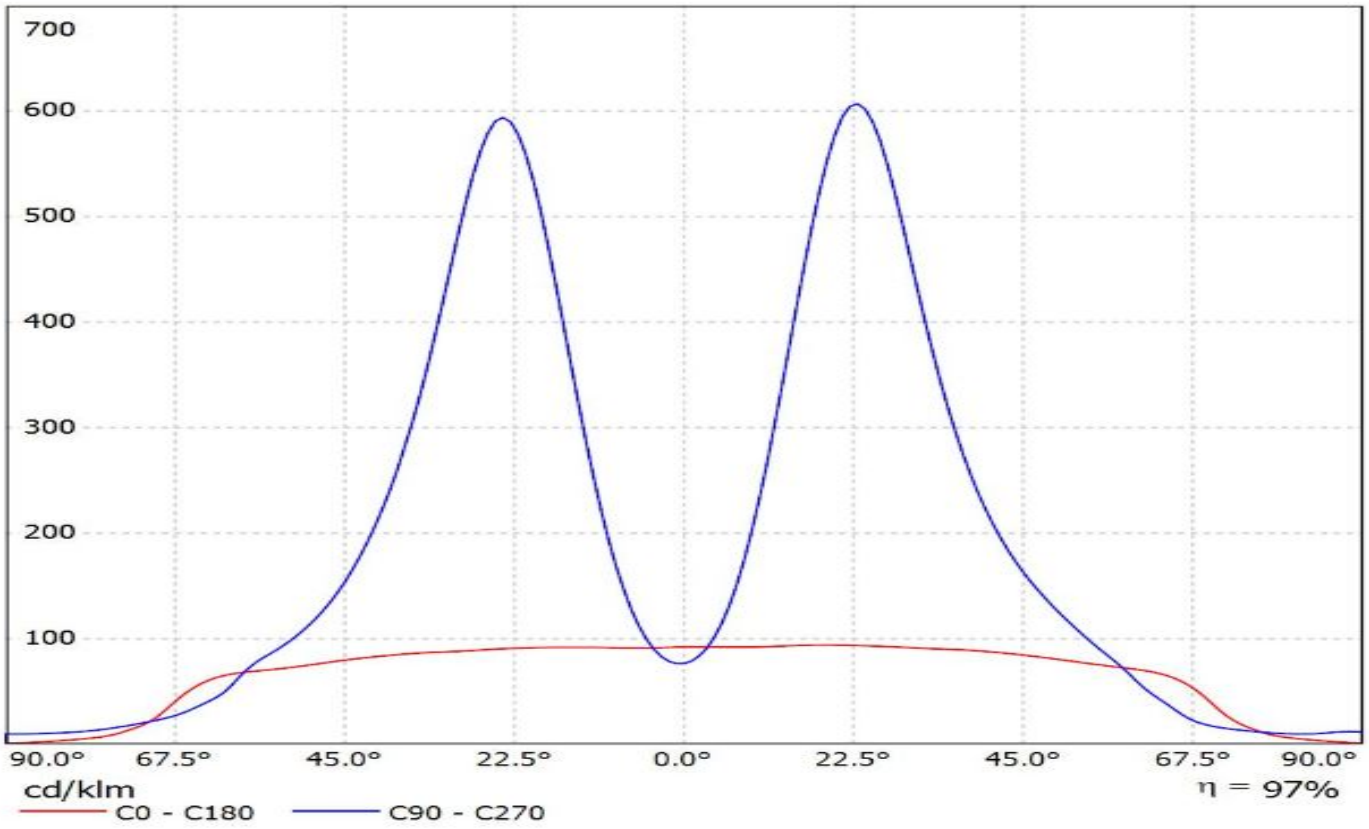


Ledil F14170_FLORENCE-ZT25_(Luxeon_3030_2D) / LDC (Linear)

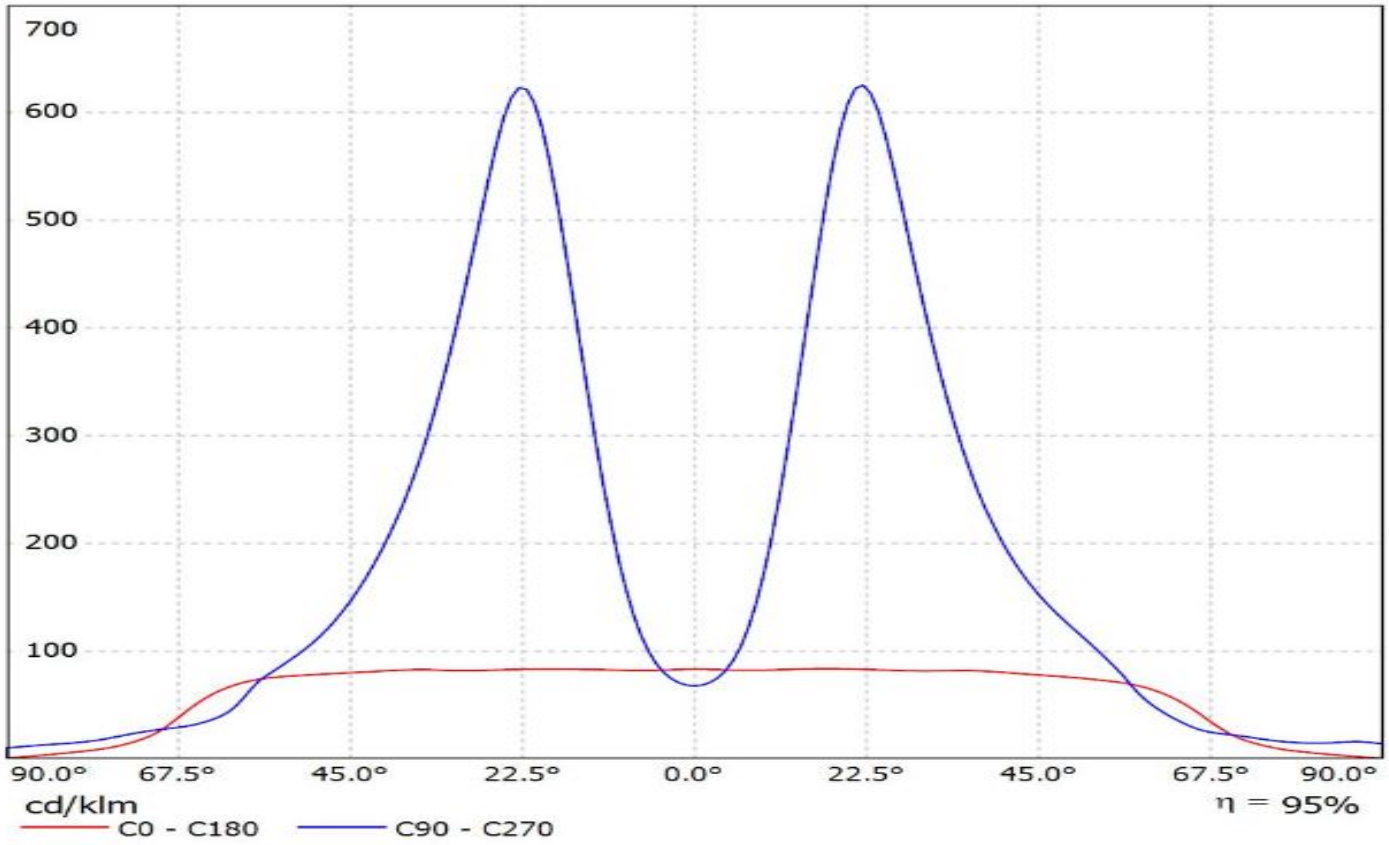
Luminaire: Ledil F14170_FLORENCE-ZT25_(Luxeon_3030_2D)
Lamps: 1 x Luxeon_3030_2D_3x11_(L130-40800030000W21)
_1601.44lm@300mA_CCT=4000K_P=12.8W_I=0.3A



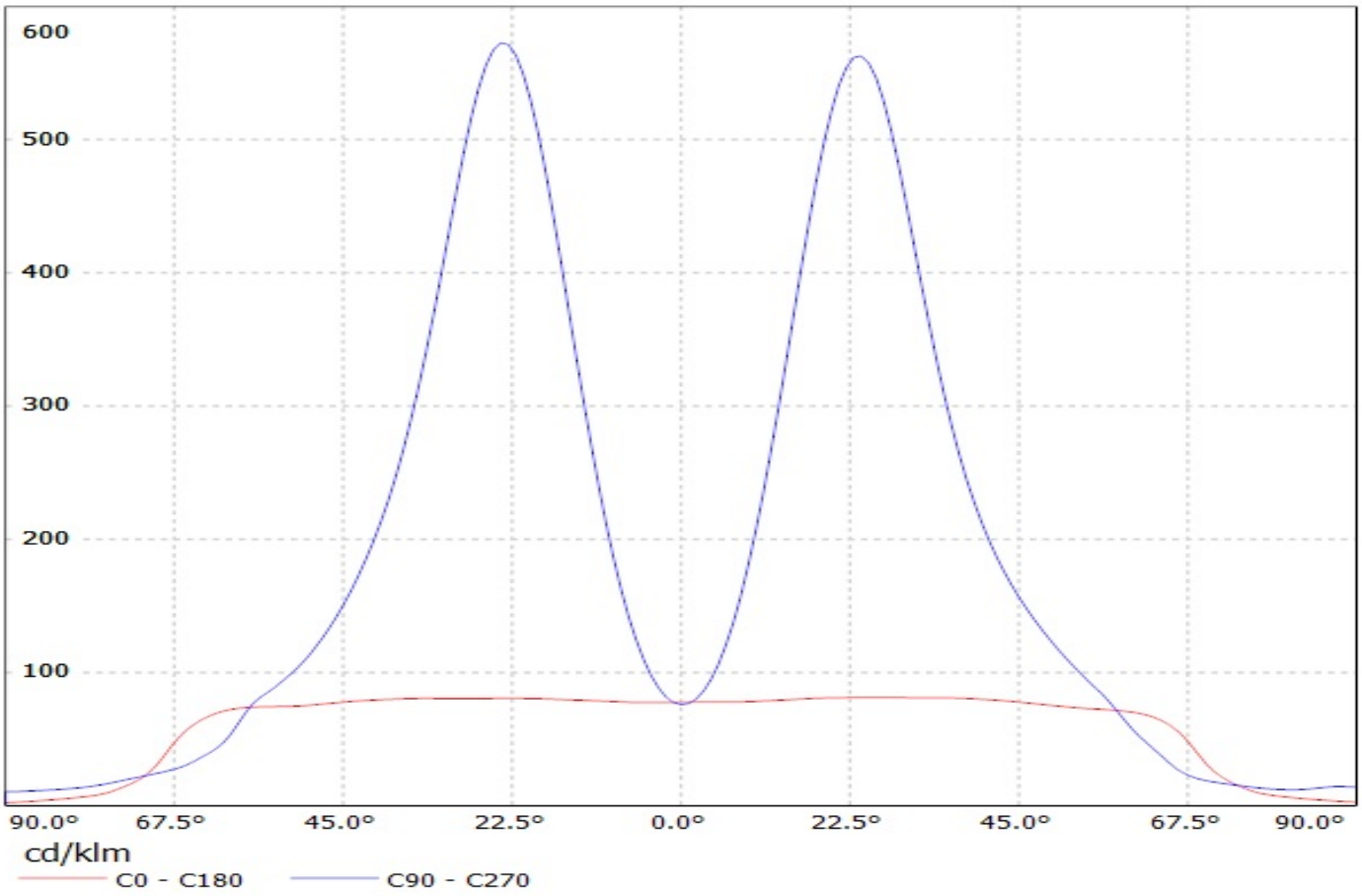
Luminaire: Ledil F14170_FLORENCE-ZT25_(Luxeon_XR-3535L)
Lamps: 1 x Lumileds_Luxeon_XR-3535L_3x11_(L202–3080033C30001)
_1087.37lm@250mA_CCT=3000K_P=8.15W_I=0.25A



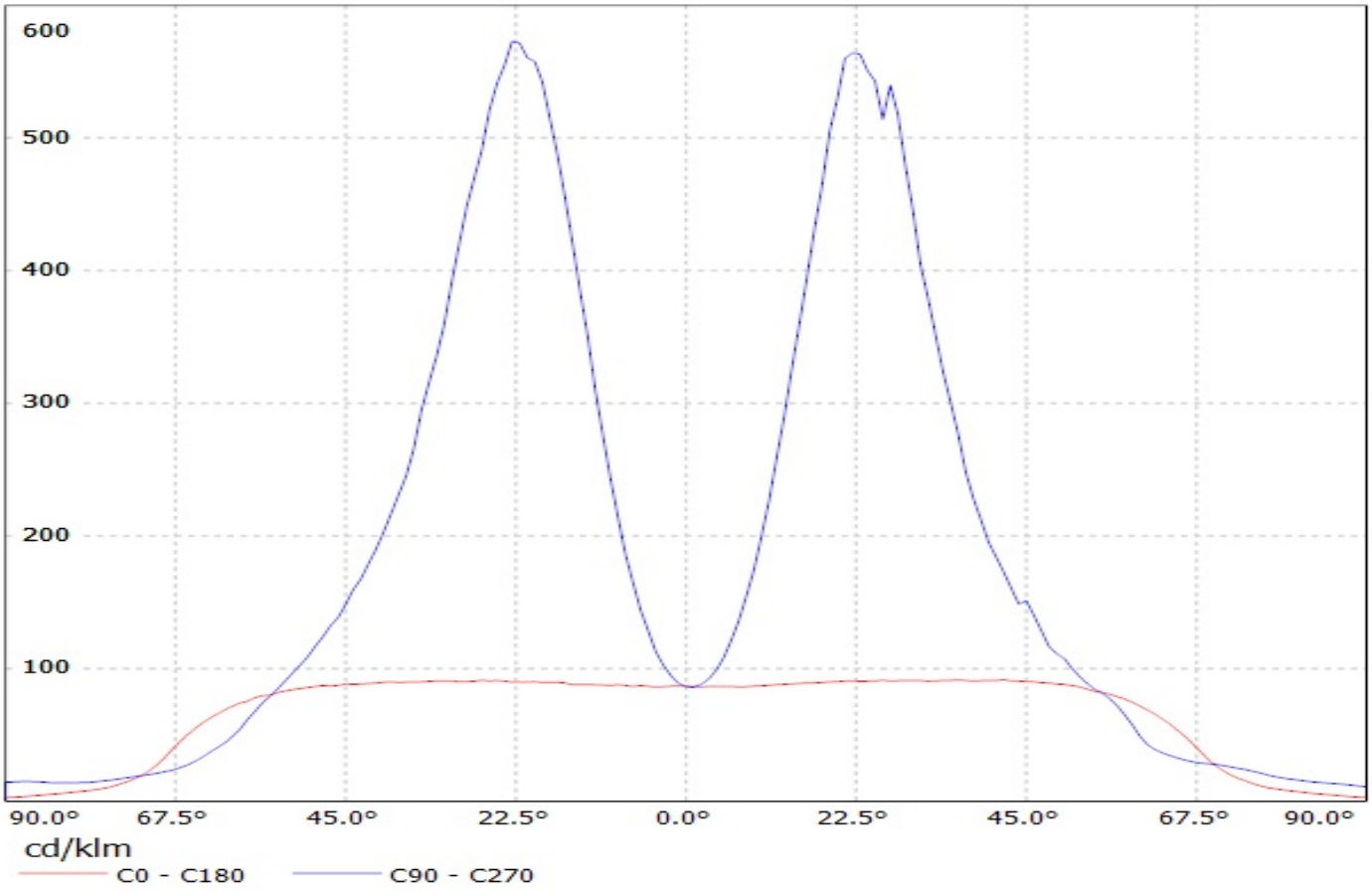
Luminaire: Ledil F14170_FLORENCE-ZT25_(MP-2016)
Lamps: 1 x Luminus_MP-2016_x22_(LUMMP-1100-30-80)_715.864lm@180mA_P=6W_I=0.18A



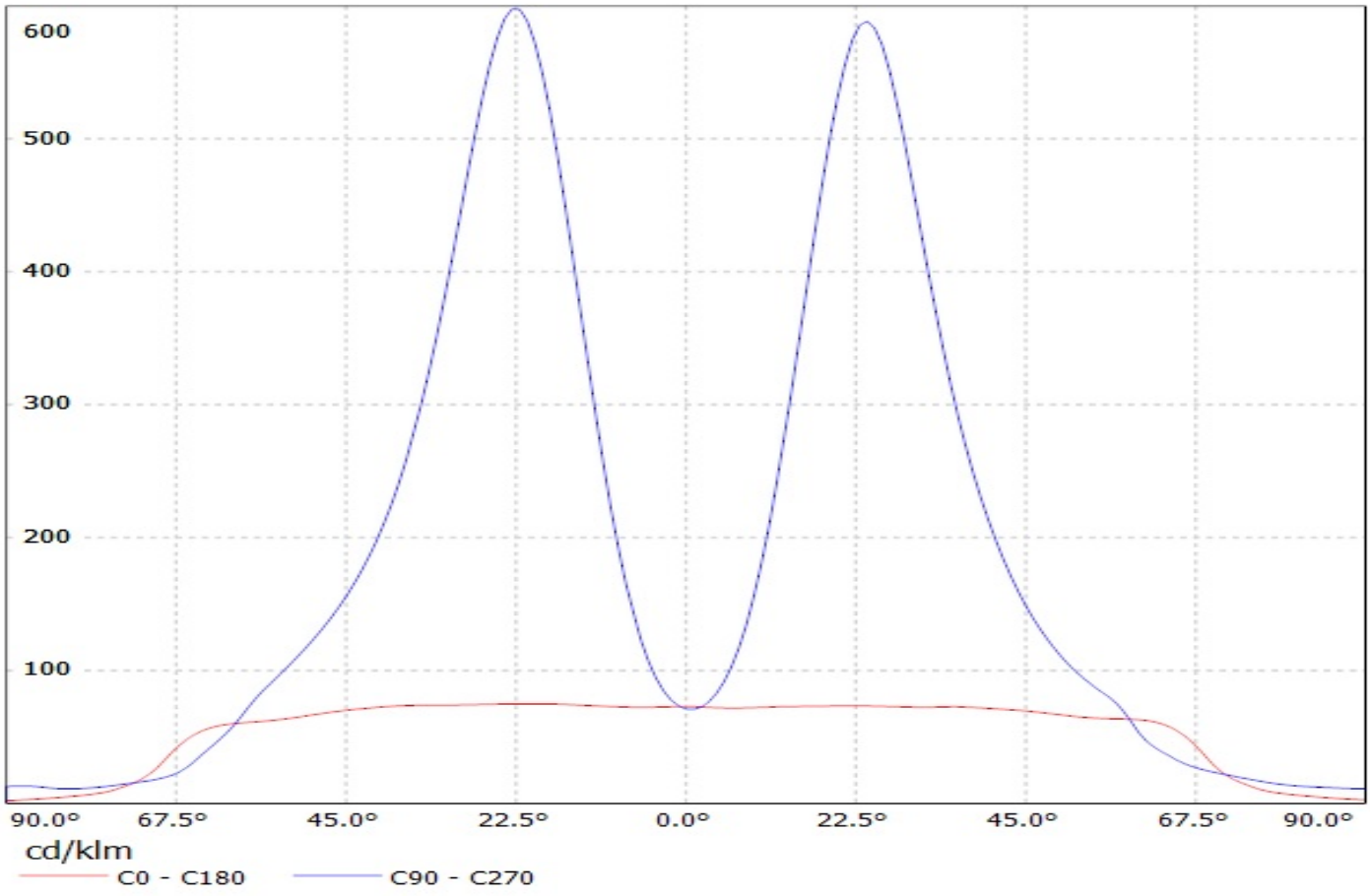
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(NT2x757D) Eff: 94%
Lamps: 1 x Nichia_NT2x757D_(NT2W757DRT)_1465.4lm@150mA_P=9.3849W_I=0.15A



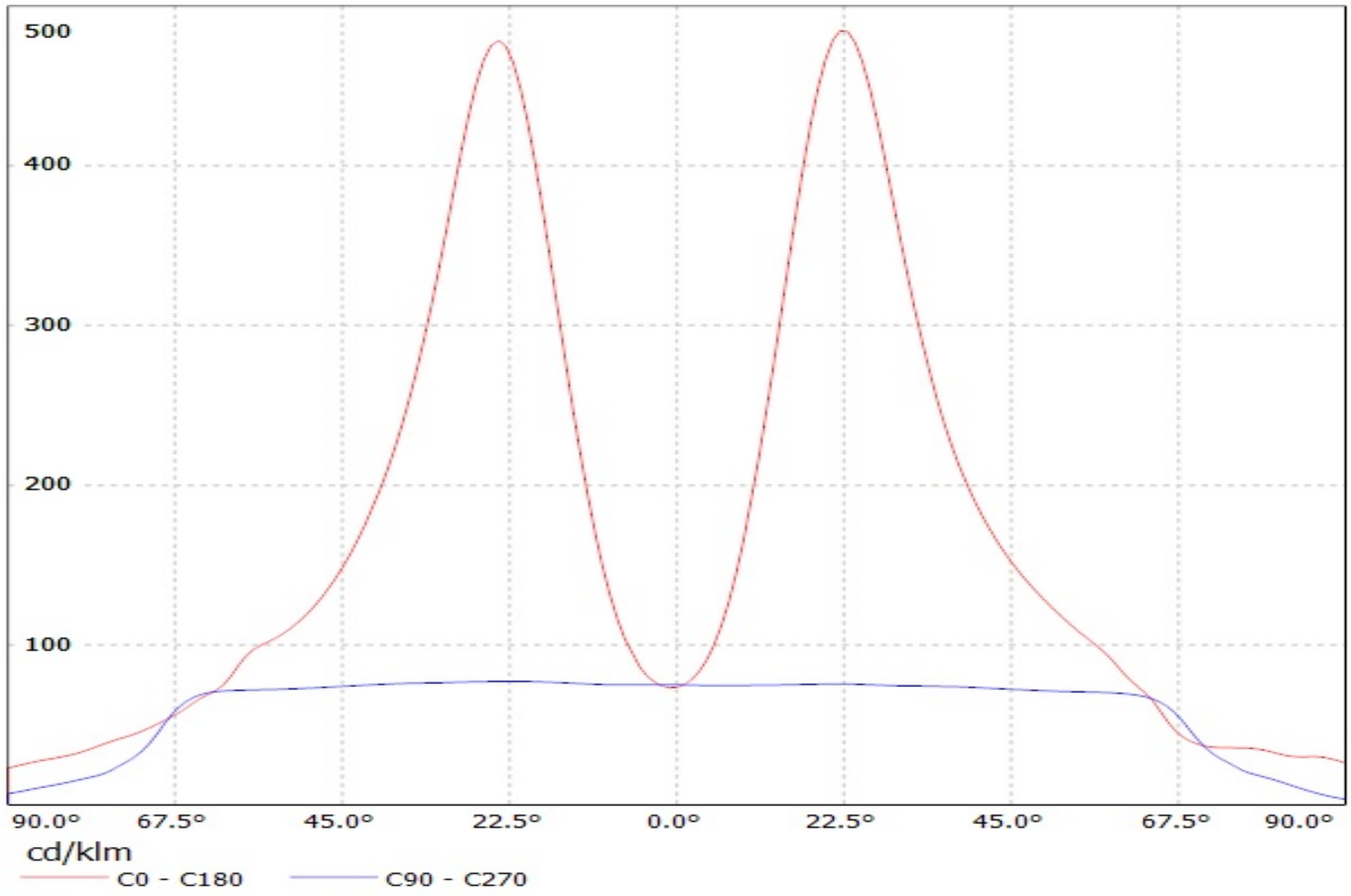
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(DURIS_E5) Eff: 94%
Lamps: 1 x Osram_DURIS_E5_570lm@120mA_P=3.69459W_I=120.2mA



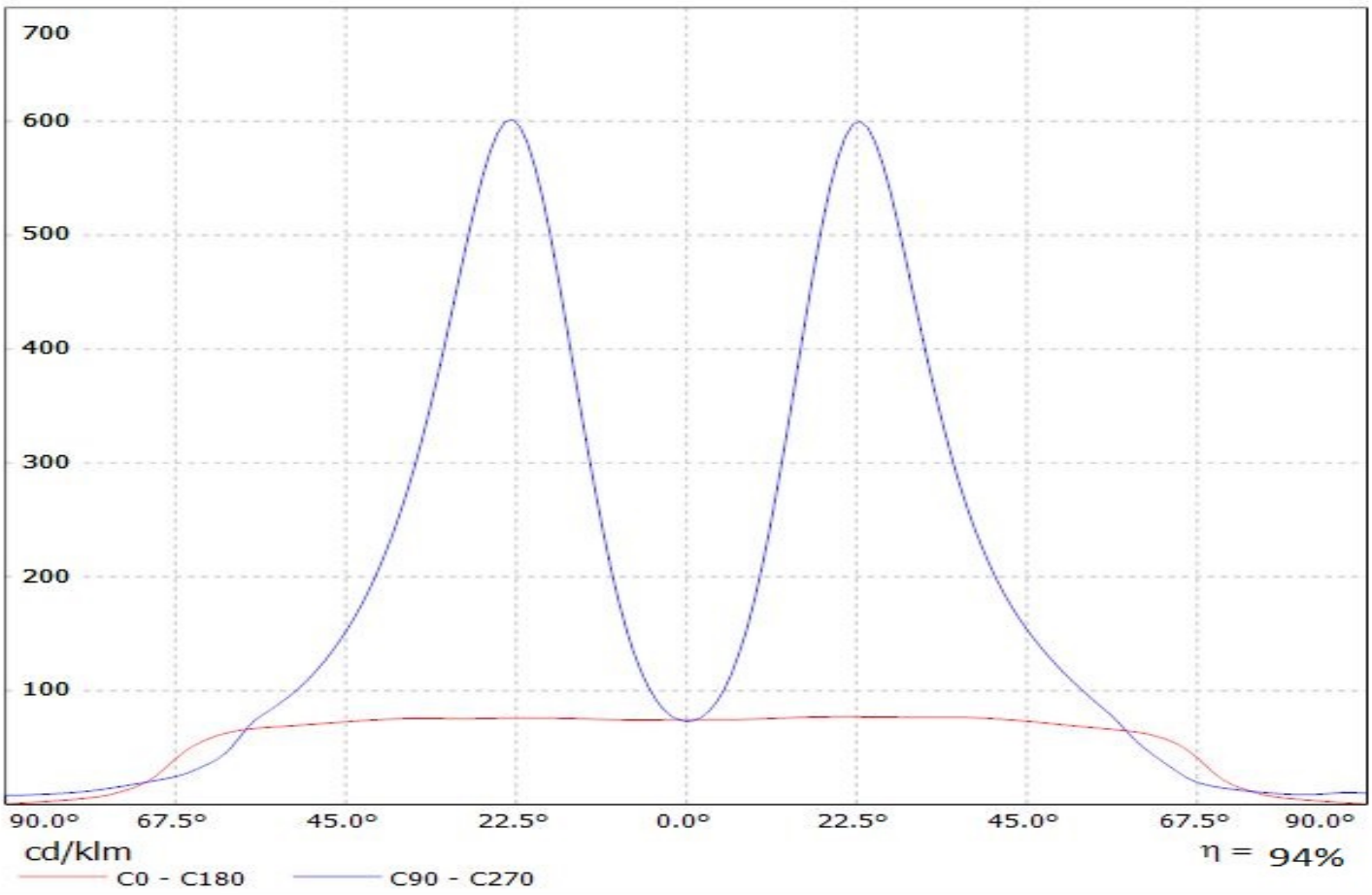
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(DURIS_S5) Eff: 94%
Lamps: 1 x Osram_DURIS_S5_511.3lm@120mA_P=3.76574W_I=120.1mA



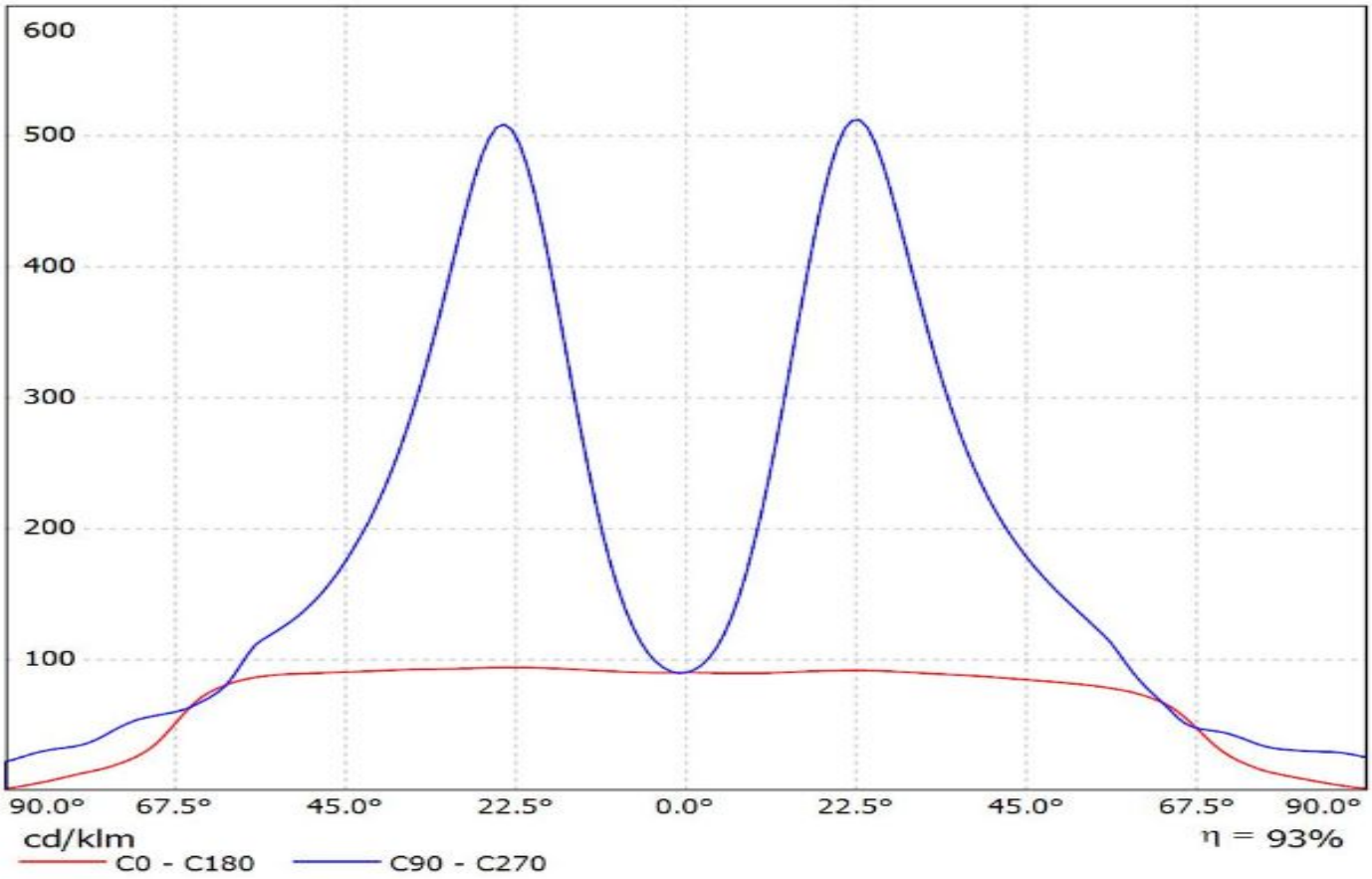
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(Duris_P5) Eff: 93%
Lamps: 1 x Osram_Duris_P5_756.444lm@250mA_P=7.78777W_I=249.8mA



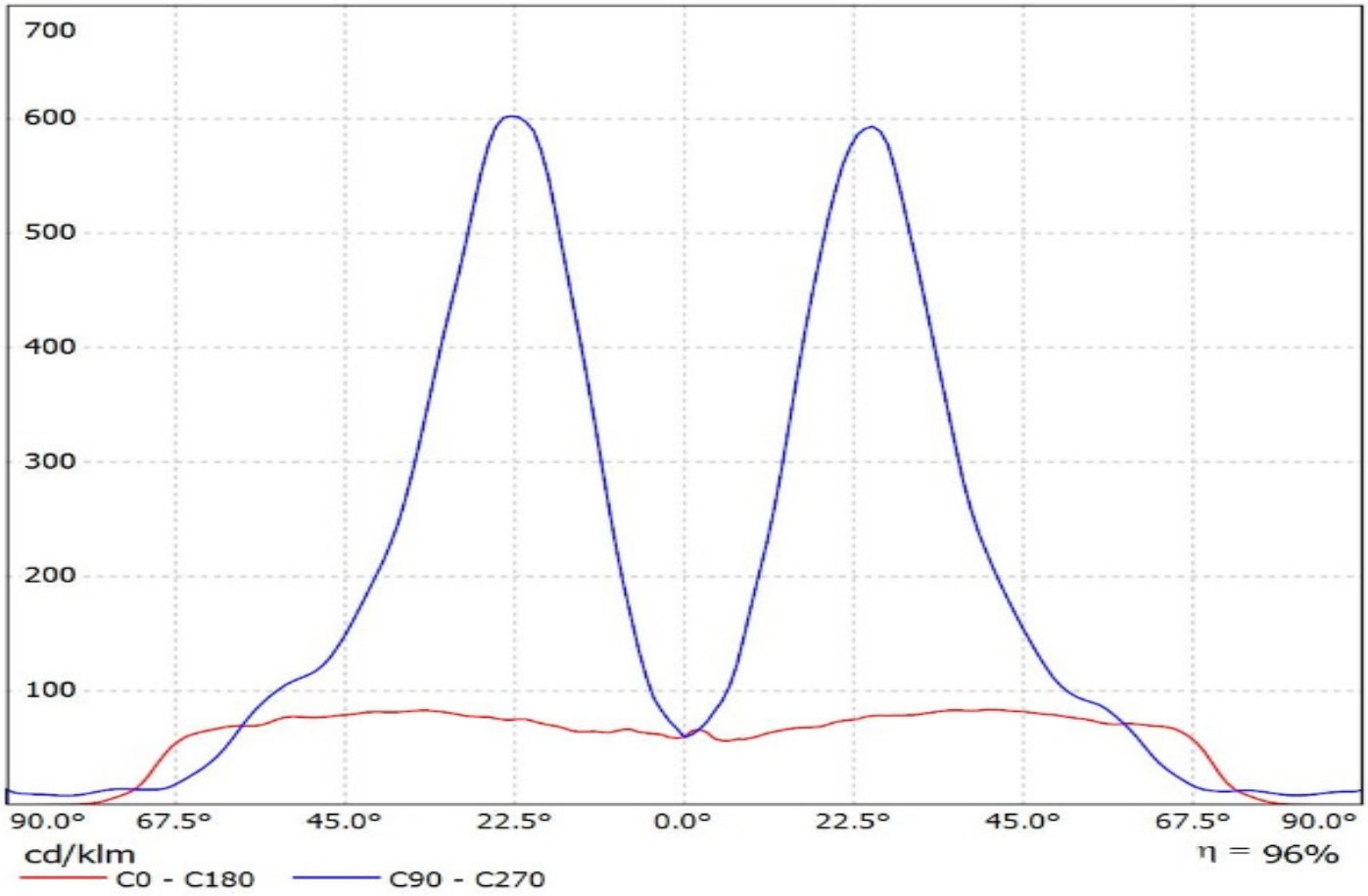
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(Osram_PLG2-BAR)
Lamps: 1 x Osram_PLG2-BAR -1100-830-280x55-DC_1021.93lm@225mA_P=7.1643W_I=0.225A



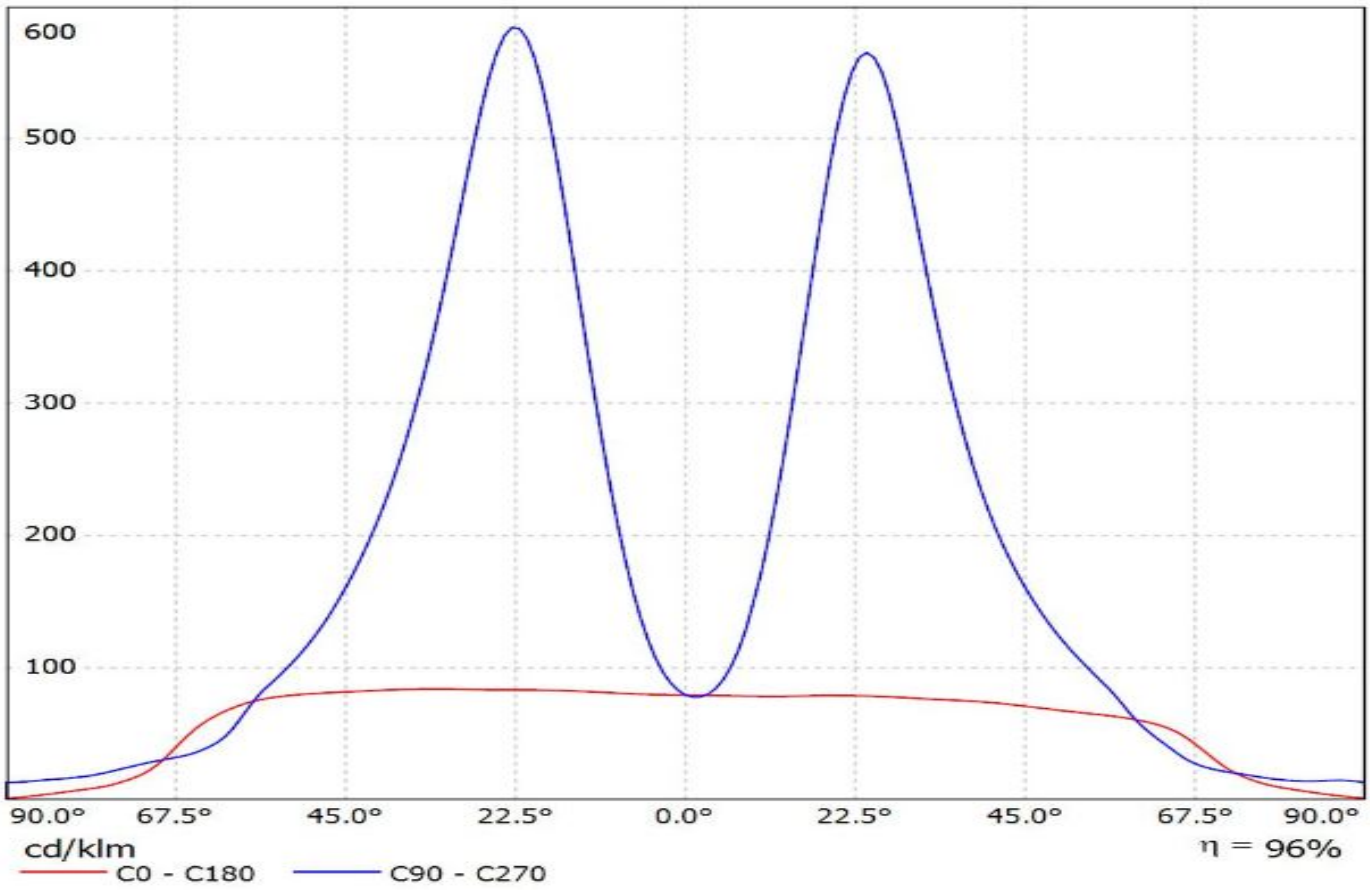
Luminaire: Ledil F14170_FLORENCE-ZT25_(Duris_S2)
Lamps: 1 x Osram_Duris-S2_3x11_(GW SBLMA1.EM-GUHQ-XX37-L1N2)
_876.783lm@195mA_CCT=3000K_P=6.3082W_I=0.195A



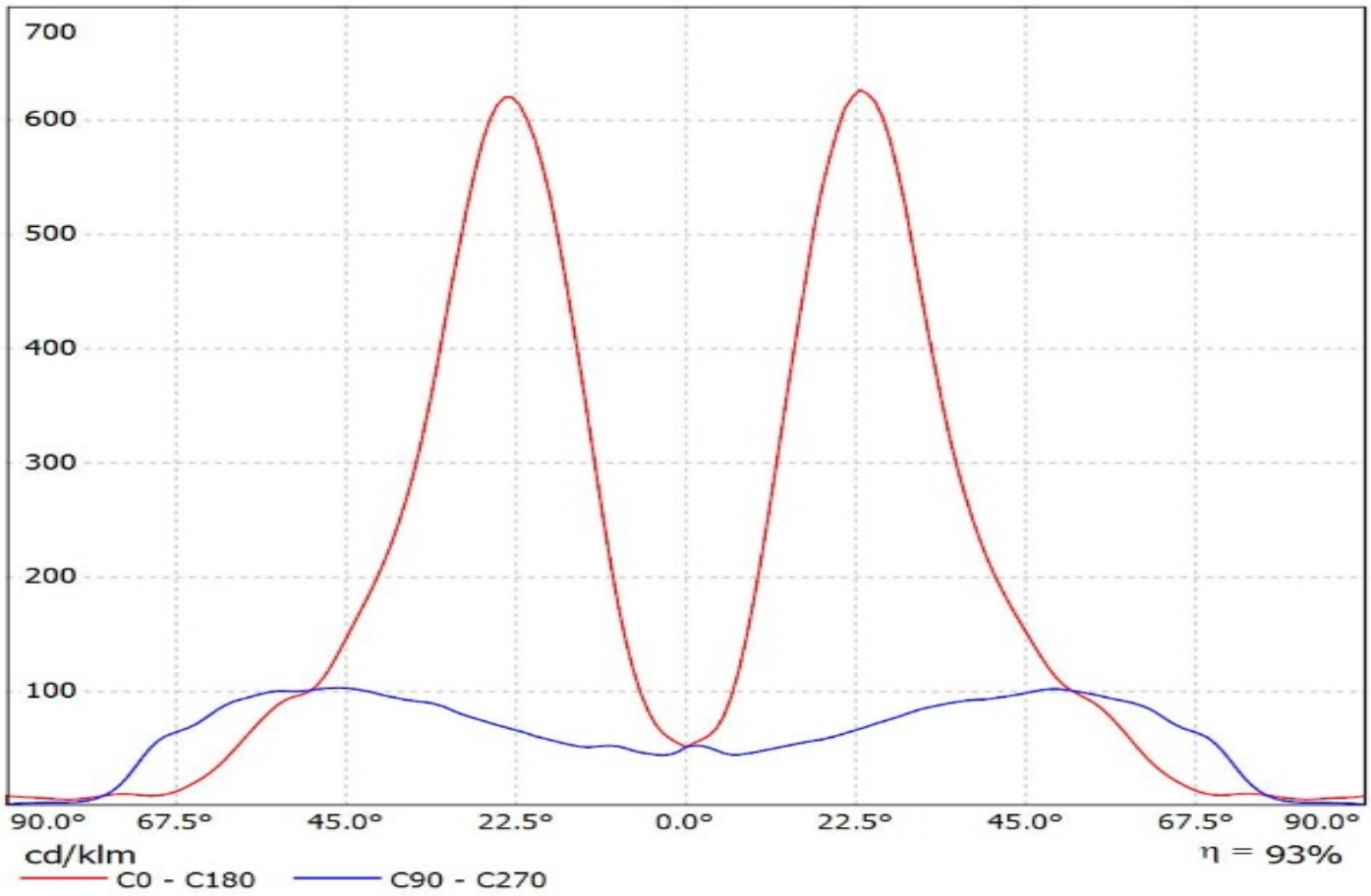
Luminaire: Ledil Oy F14170_FLORENCE-ZT25_(Duris_E_2835)_SIMULATED
Lamps: 1 x Osram Duris E 2835 - GW JTLRS1.EM



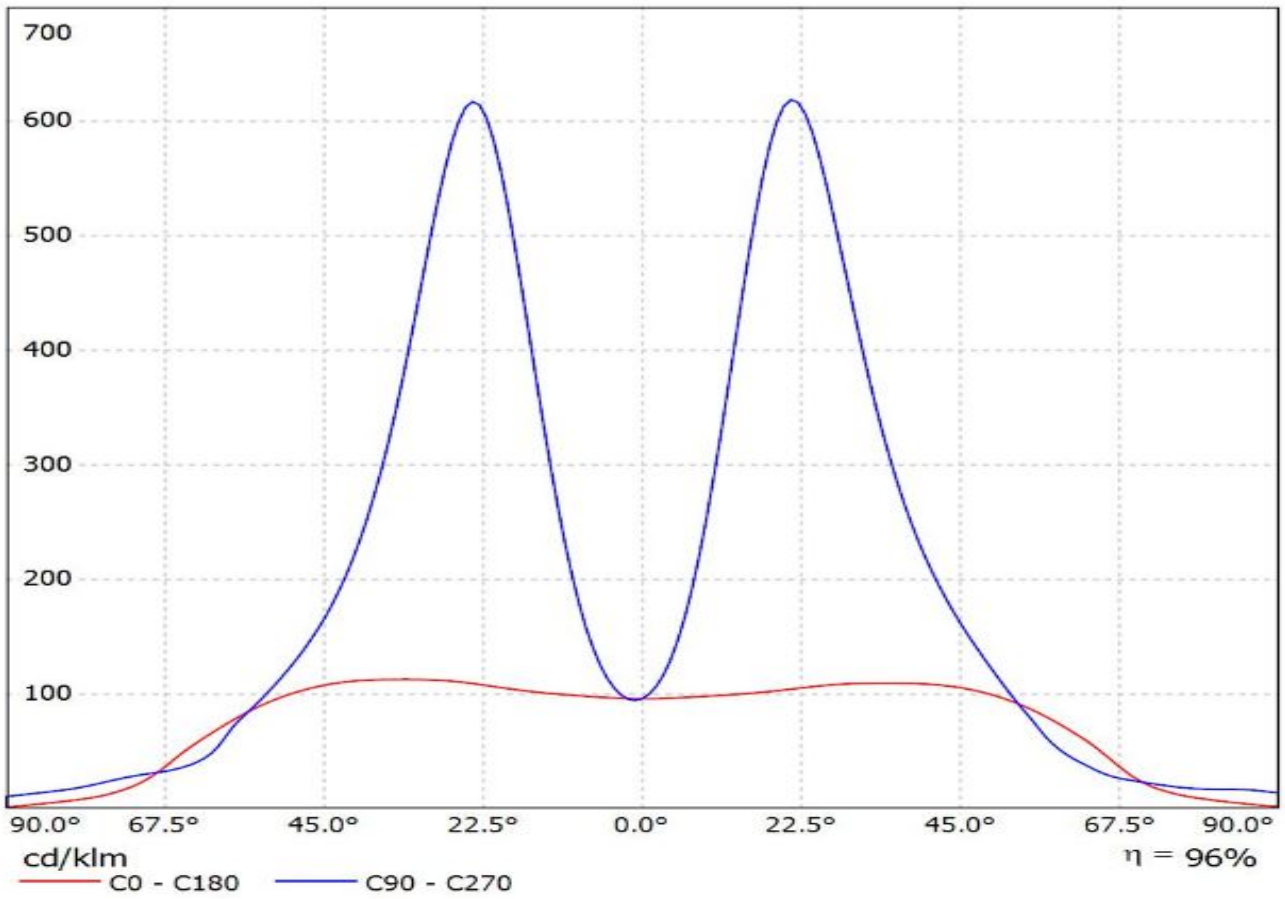
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(Oslon_Square_Gen3)
Lamps: 1 x Osram_Oslon_Square_Gen3_(GW_CSSRM2.EM)
_1246.56lm@250mA_P=7.4303W_I=0.250A



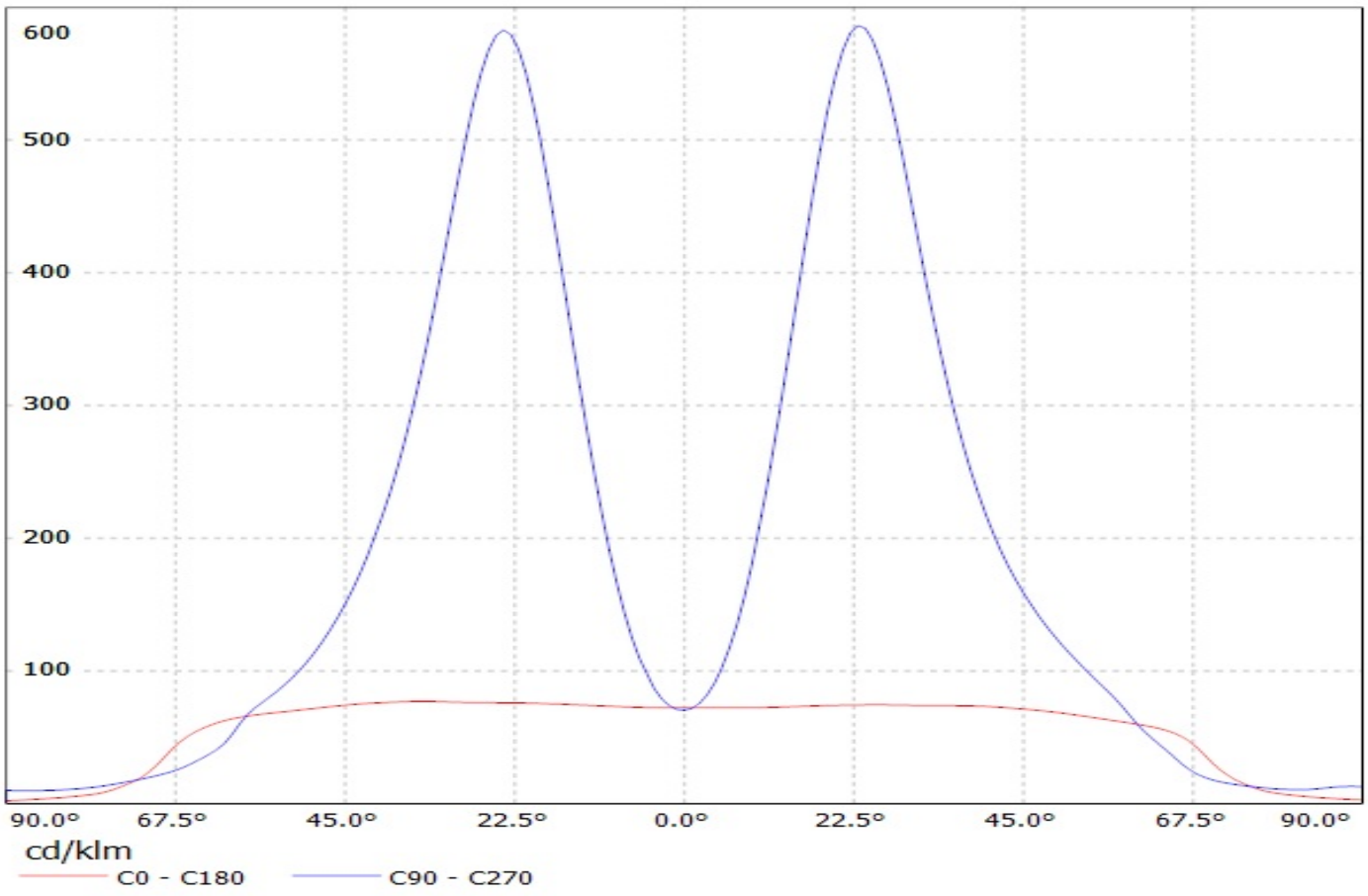
Luminaire: Ledil Oy F14170_FLORENCE-ZT25-Fortimo_650lm_3R_SIMULATED
Lamps: 1 x Fortimo_650lm_3R



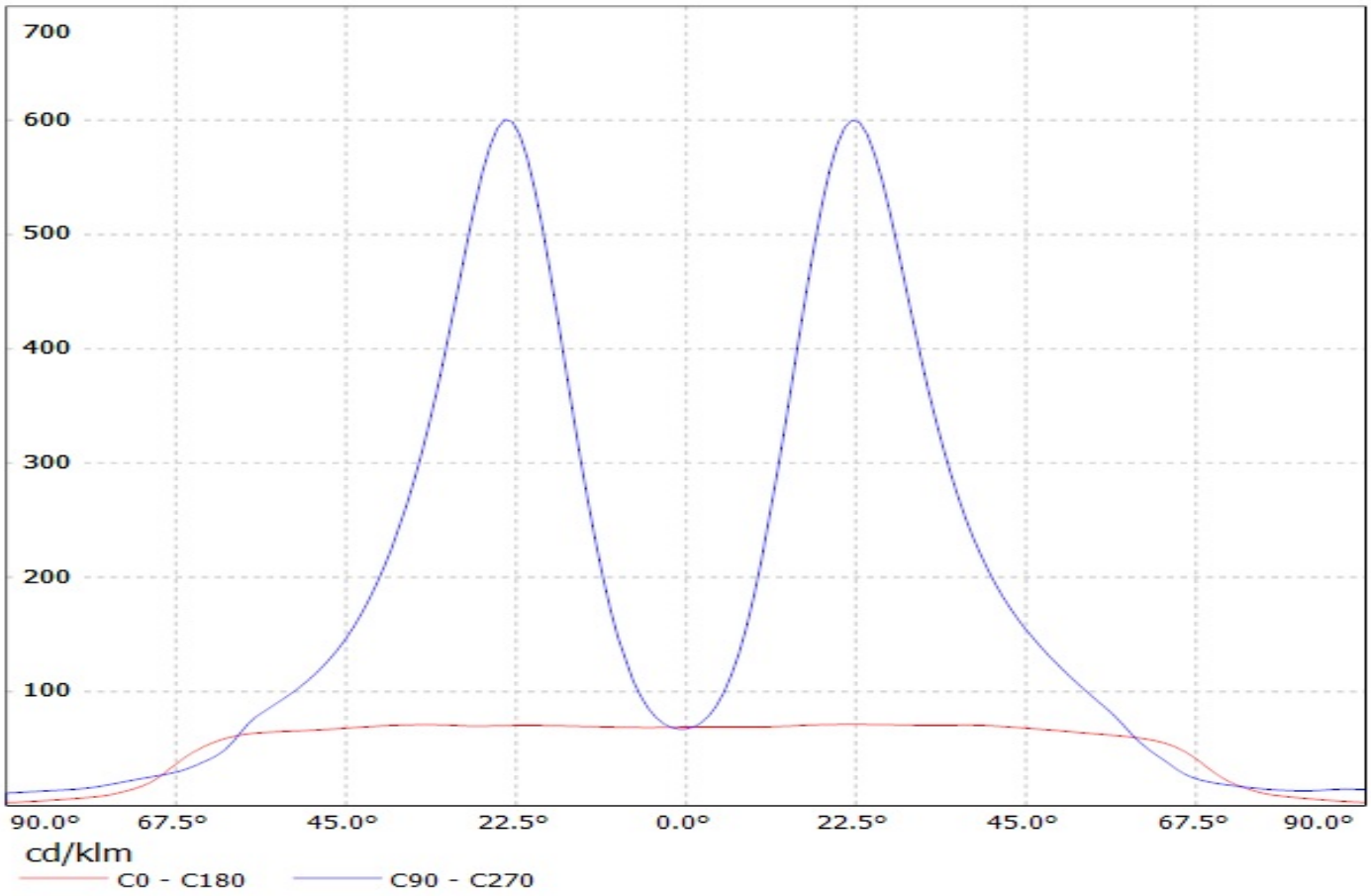
Luminaire: Ledil F14170_FLORENCE-ZT25_(Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2)
Lamps: 1 x Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2_1229.9lm@250mA_CCT=3000K_P=7.5790W_I=0.25A



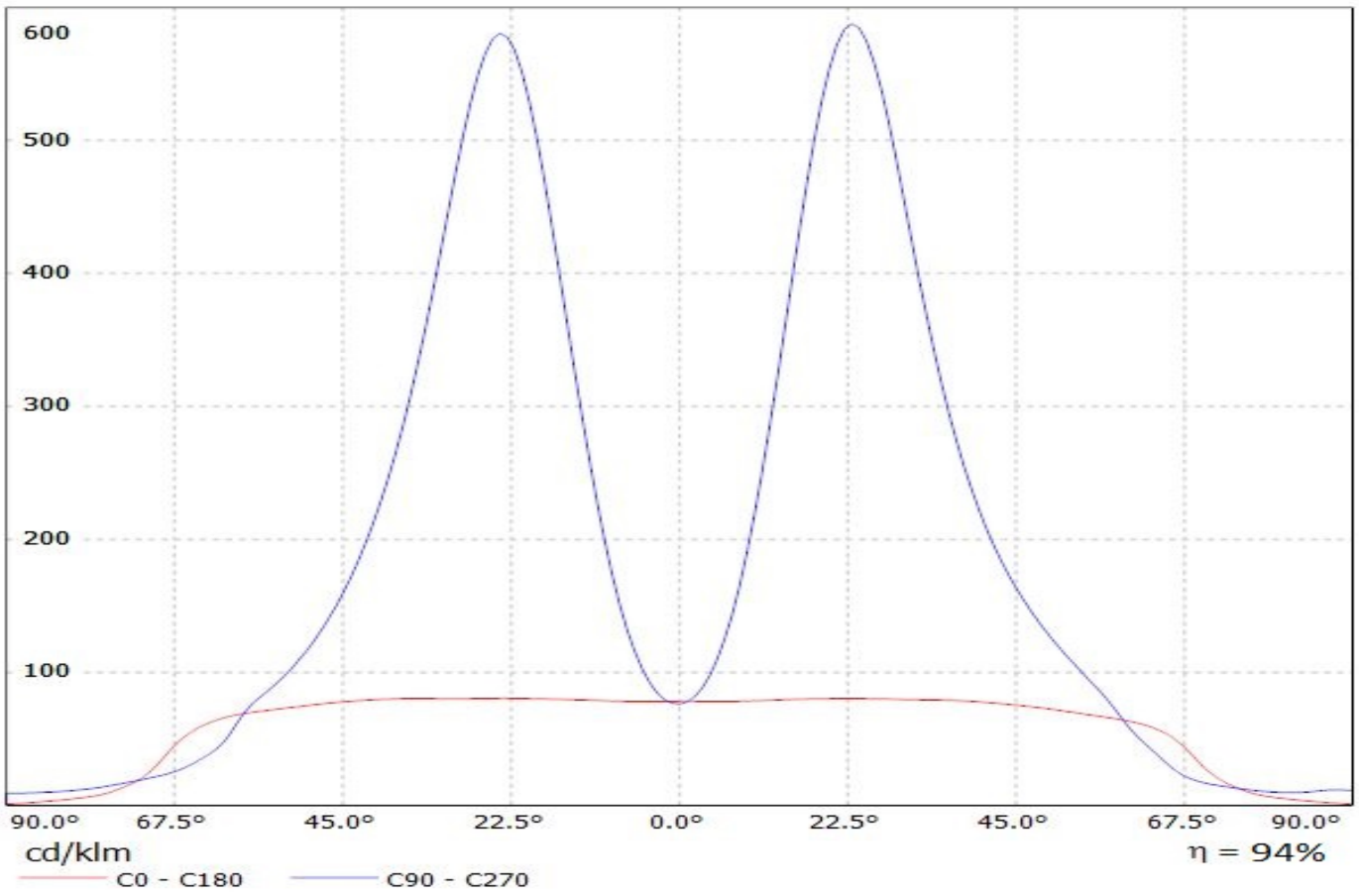
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LM561B) Eff: 94%
Lamps: 1 x Samsung_LM561B_695.232lm@150mA_P=4.6194W_I=0.15A



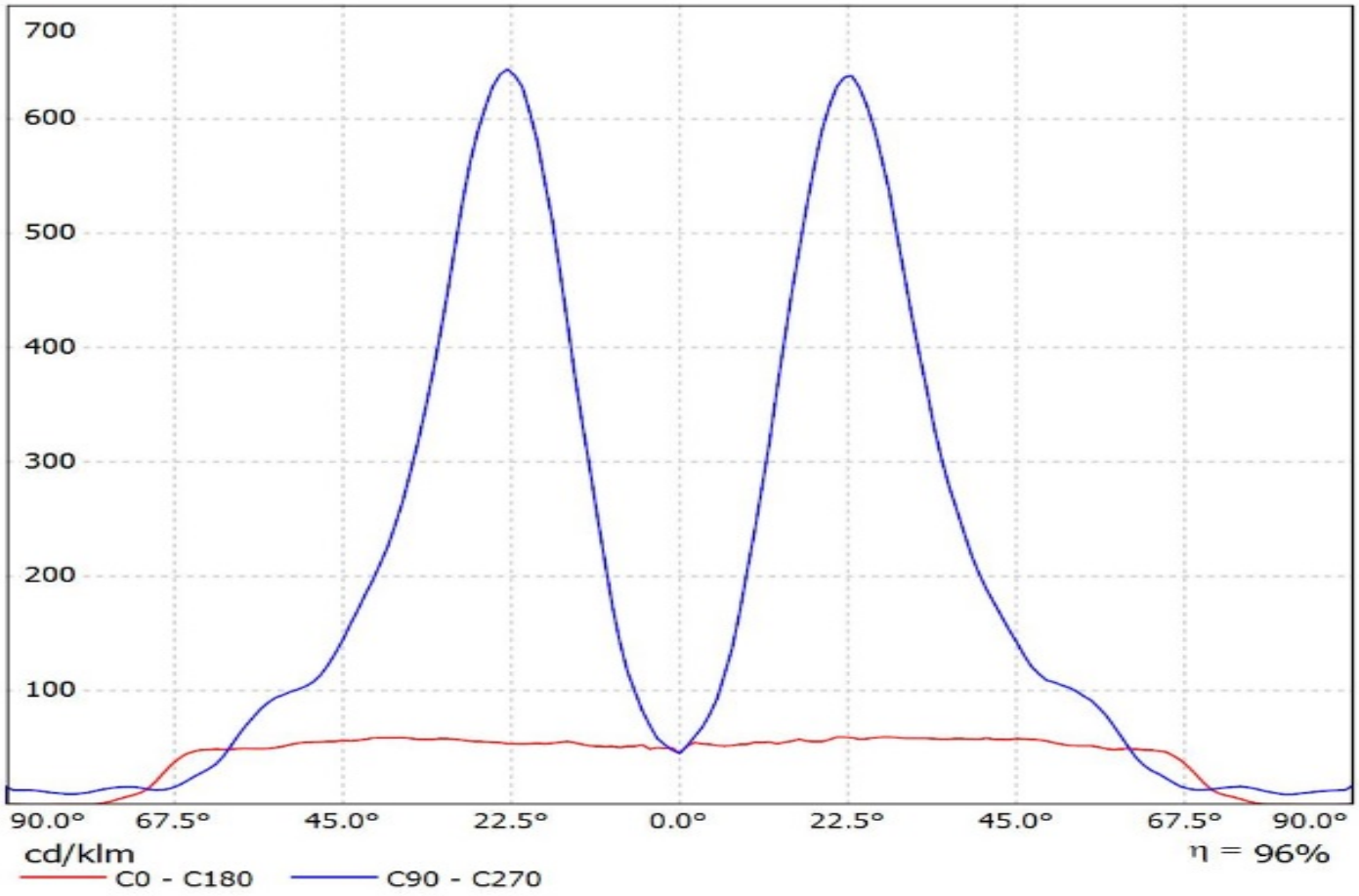
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LM231B) Eff: 94%
Lamps: 1 x Samsung_LM231B_579lm@150mA_P=4.62045W_I=0.15A



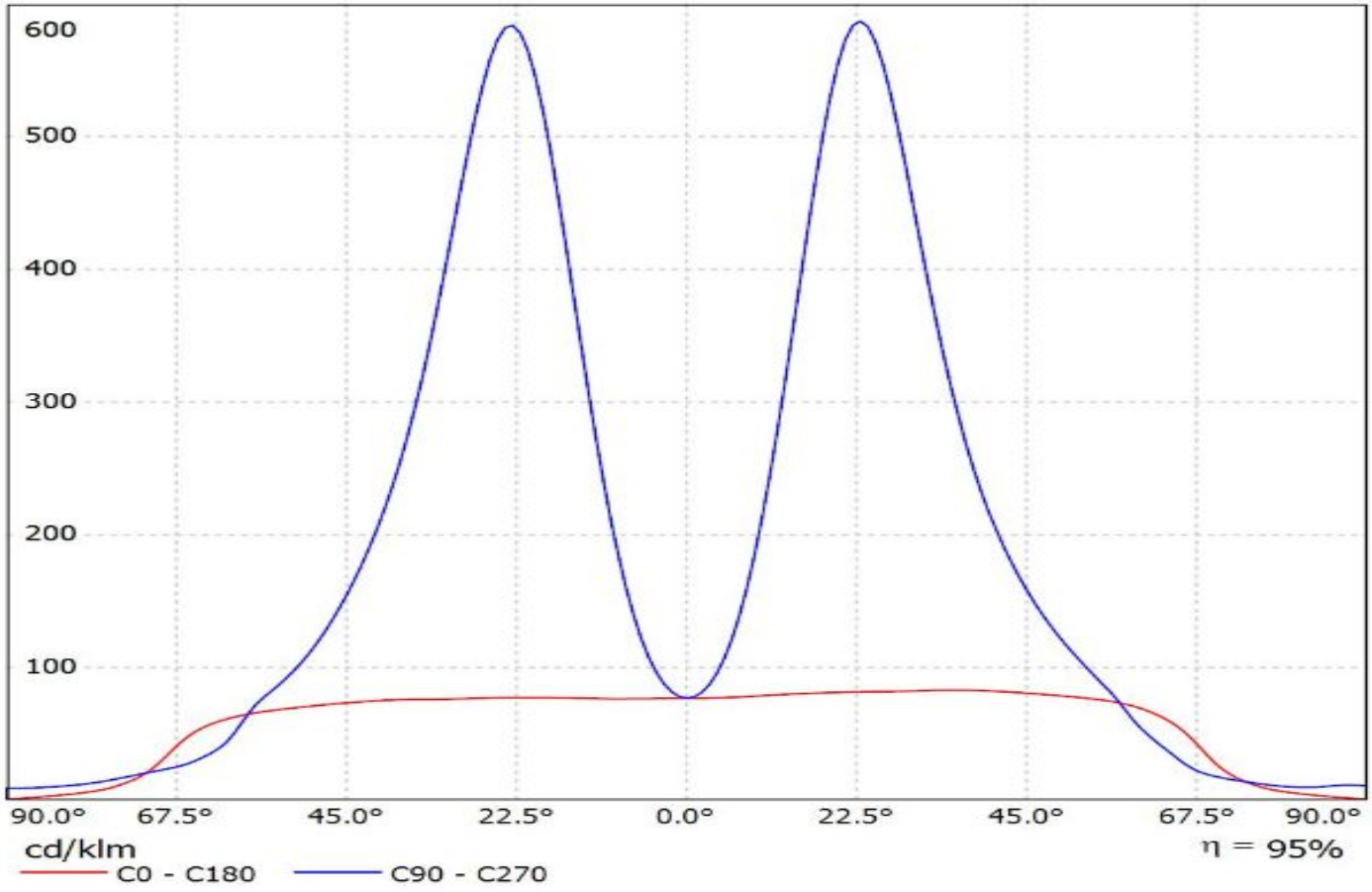
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LT-R286A)
Lamps: 1 x Samsung_LT-R286A_1304.7lm@250mA_P=8.2181W_I=0.250A



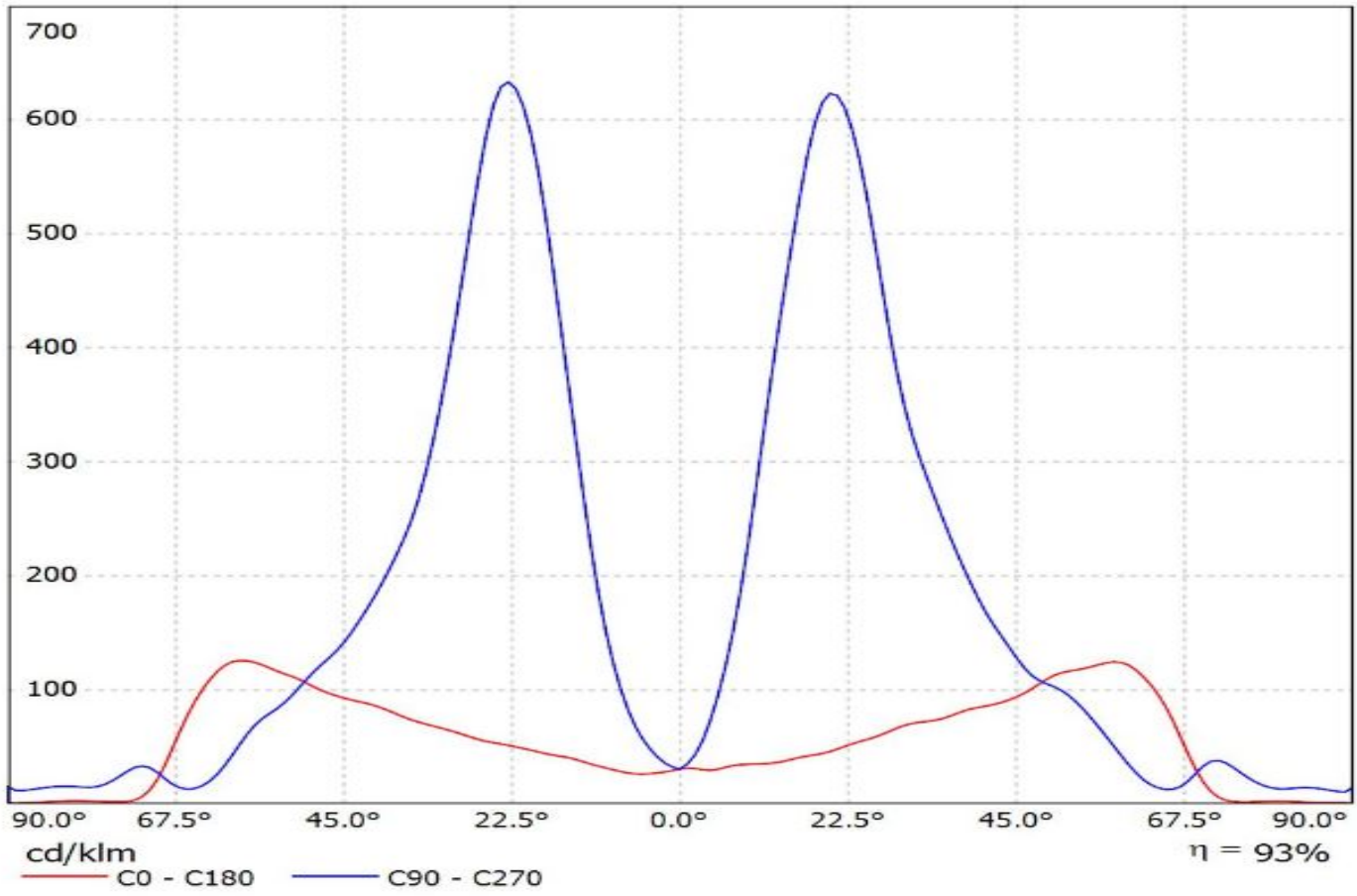
Luminaire: Ledil Oy F14170_FLORENCE-ZT25_(LM281B)_SIMULATED
Lamps: 1 x Samsung LM281B



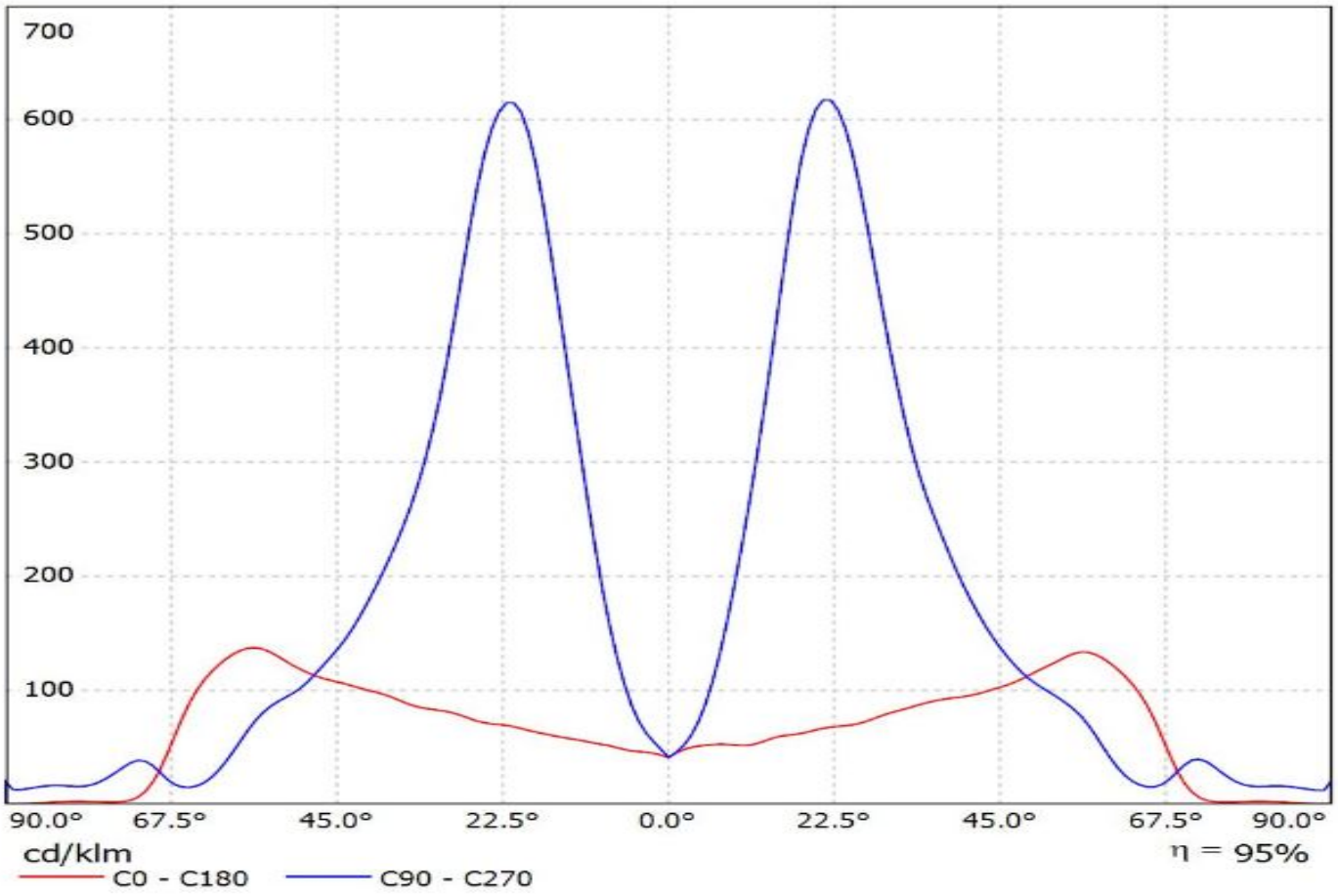
Luminaire: Ledil F14170_FLORENCE-ZT25_(LM561B+)
Lamps: 1 x Samsung_LM561B+_x33_1261.92lm@250mA_P=8.10375W_U=32.415V



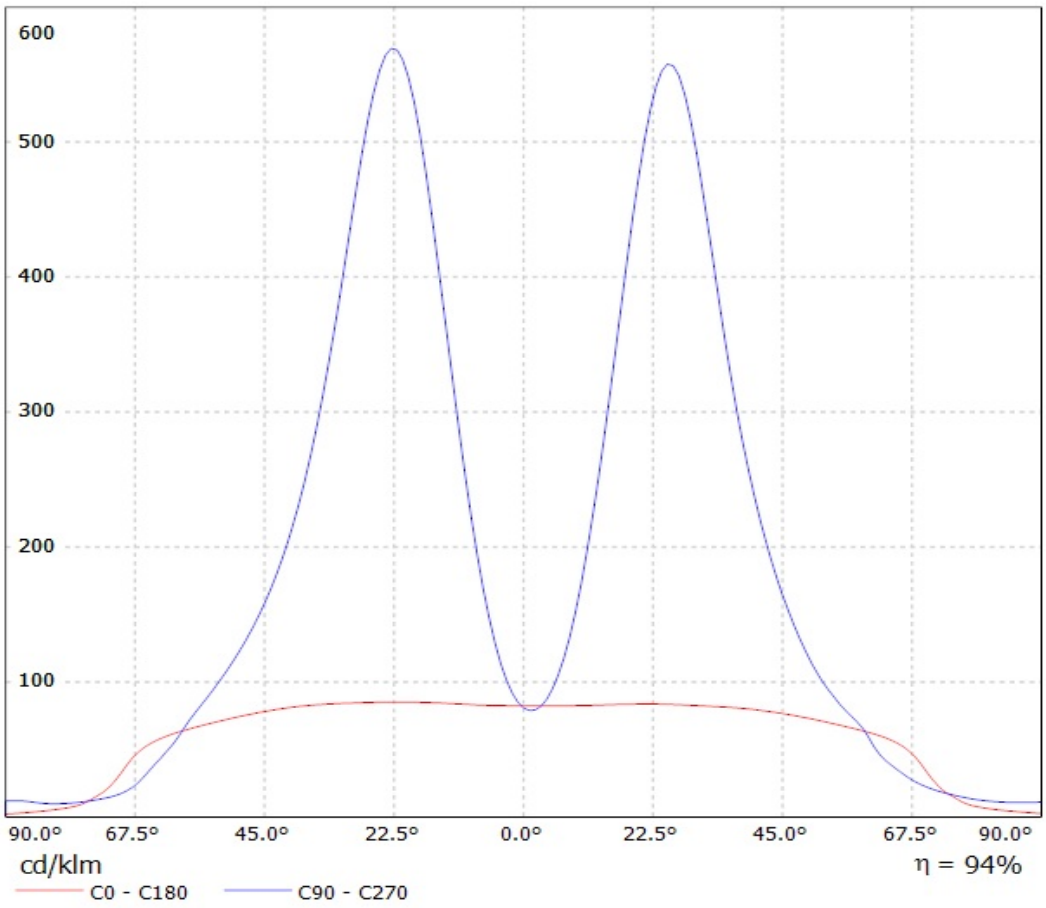
Luminaire: Ledil Oy F14170_FLORENCE-ZT25_OSRAM_DURIS_S5_(2chip)_SIMULATED
Lamps: 1 x OSRAM DURIS S5 (2chip)



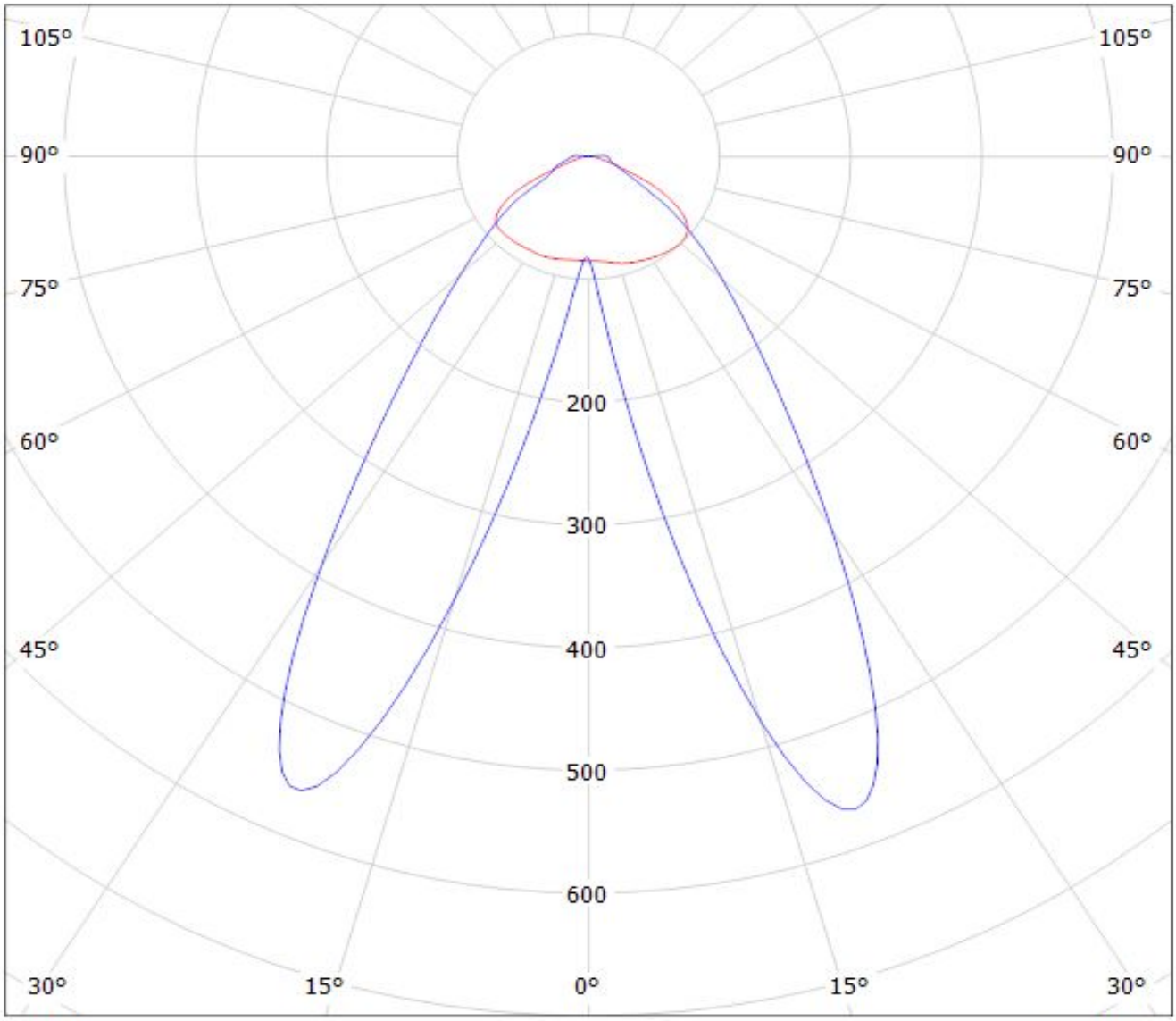
Luminaire: Ledil Oy F14170_FLORENCE-ZT25_SEOUL_5630_D_SIMULATED
Lamps: 1 x SEOUL 5630 D



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

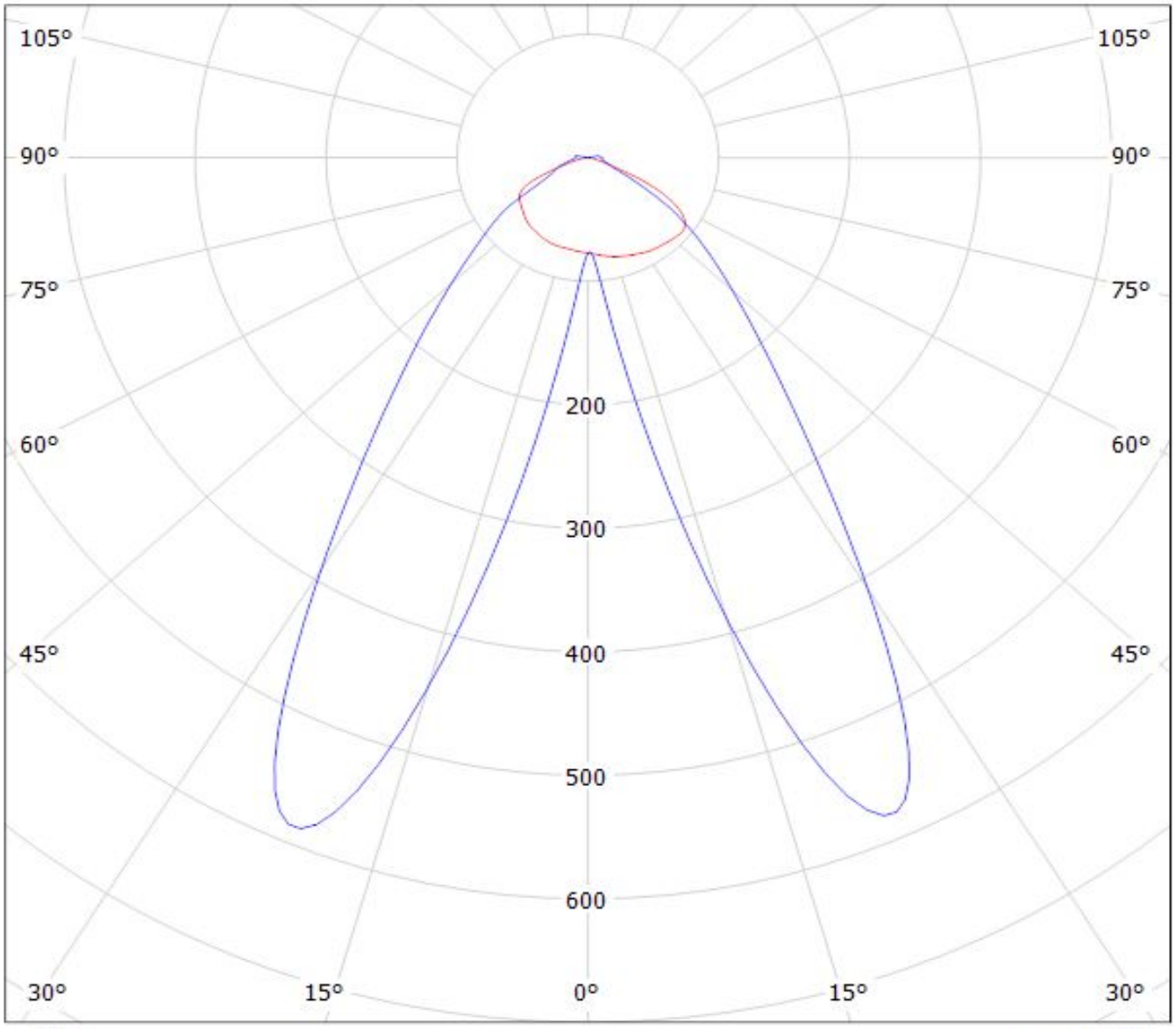


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(TRIDINO-R3)_GS
Lamps: 1 x Comet_Electronicsin_TRIDINO-R3-8x0-1100-1ft-HV_1299.6lm@250mA_P=8.07304W_I=0.250A

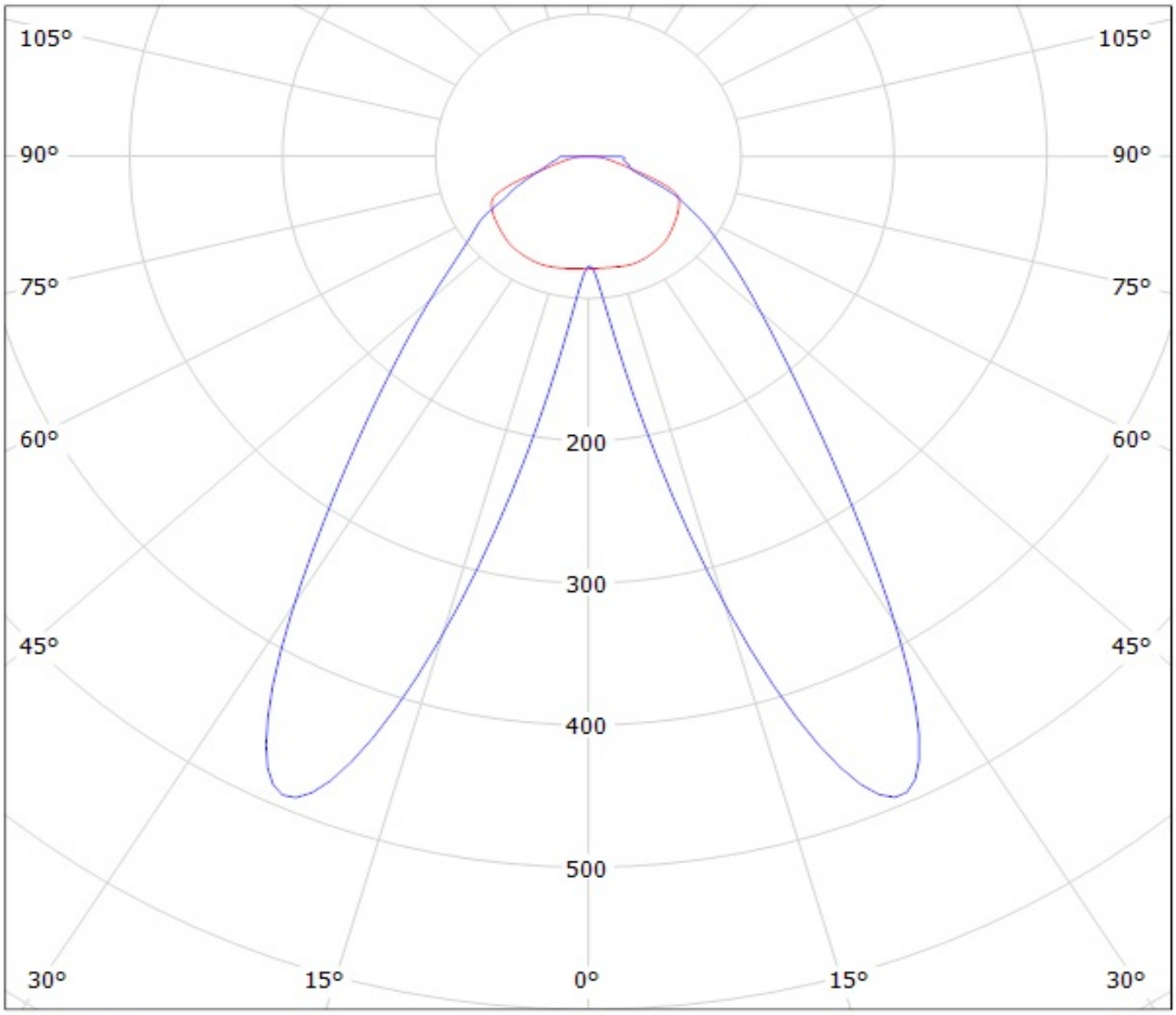


cd/klm

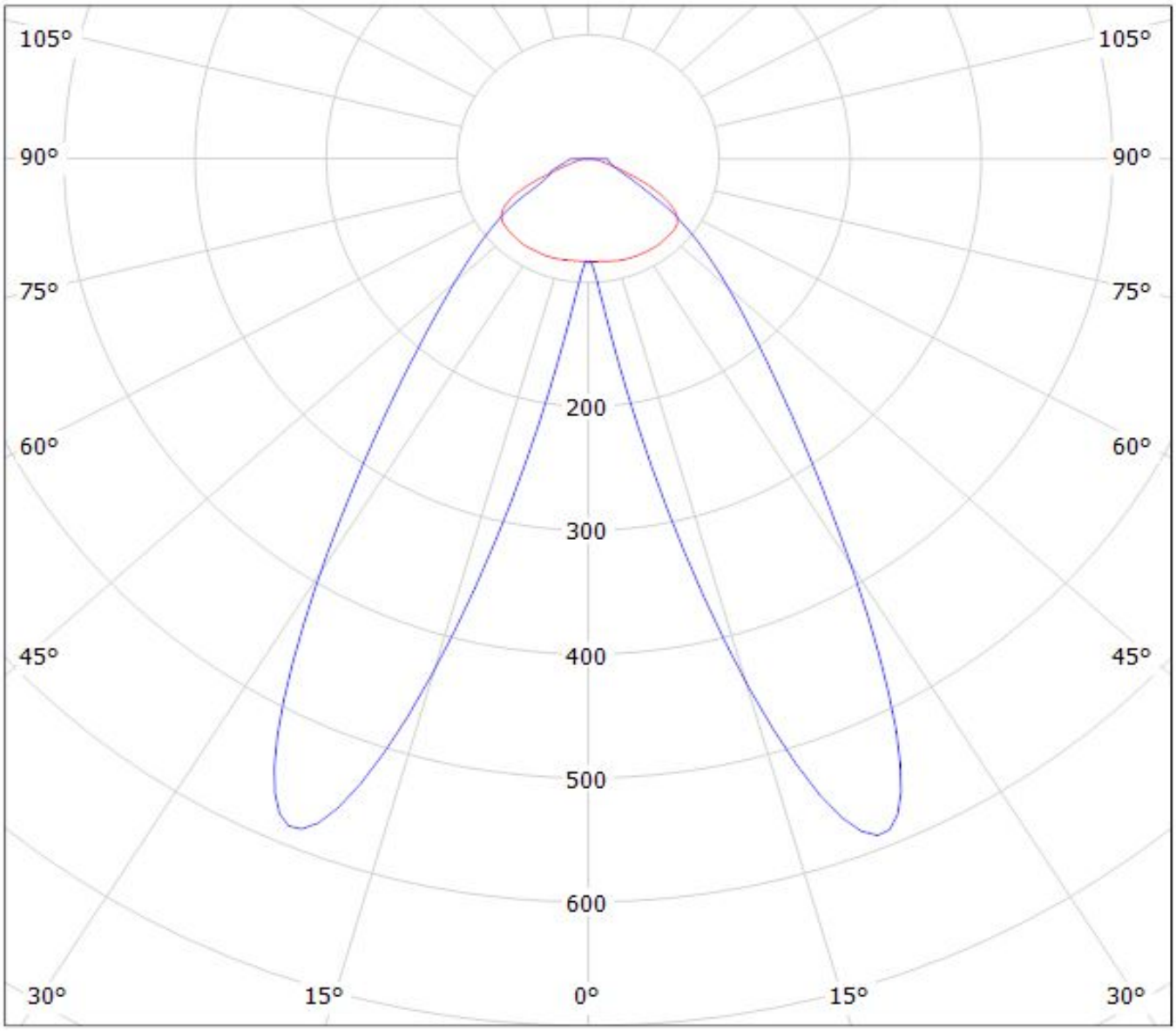
η = 94%

C0 - C180 C90 - C270

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

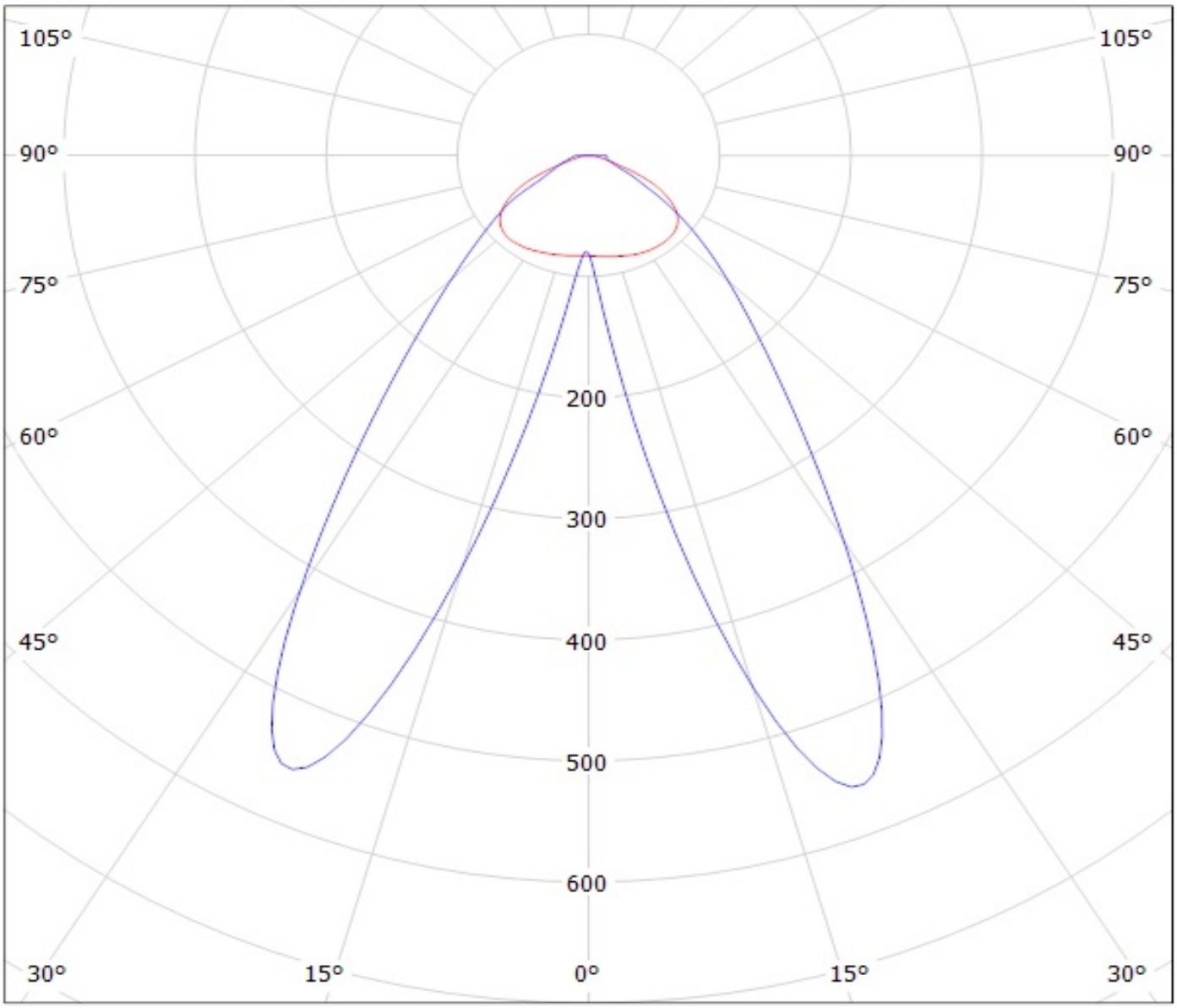


cd/klm

η = 96%

C0 - C180 C90 - C270

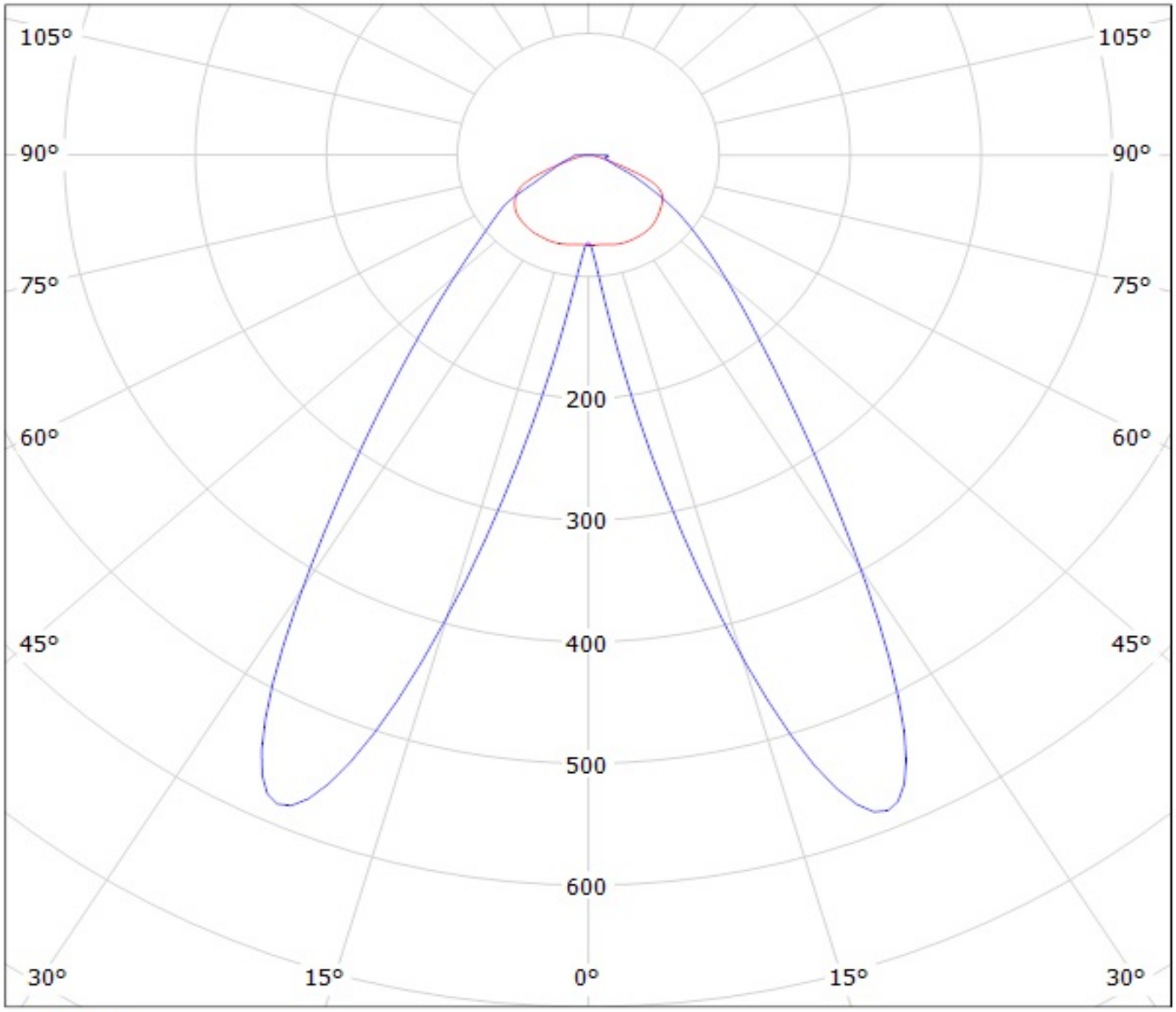
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LG_6030) Eff: 94%
Lamps: 1 x LG_6030_(LEWMS68T80HZ)_1082lm@250mA_P=7.86385W_I=0.2499A



cd/klm

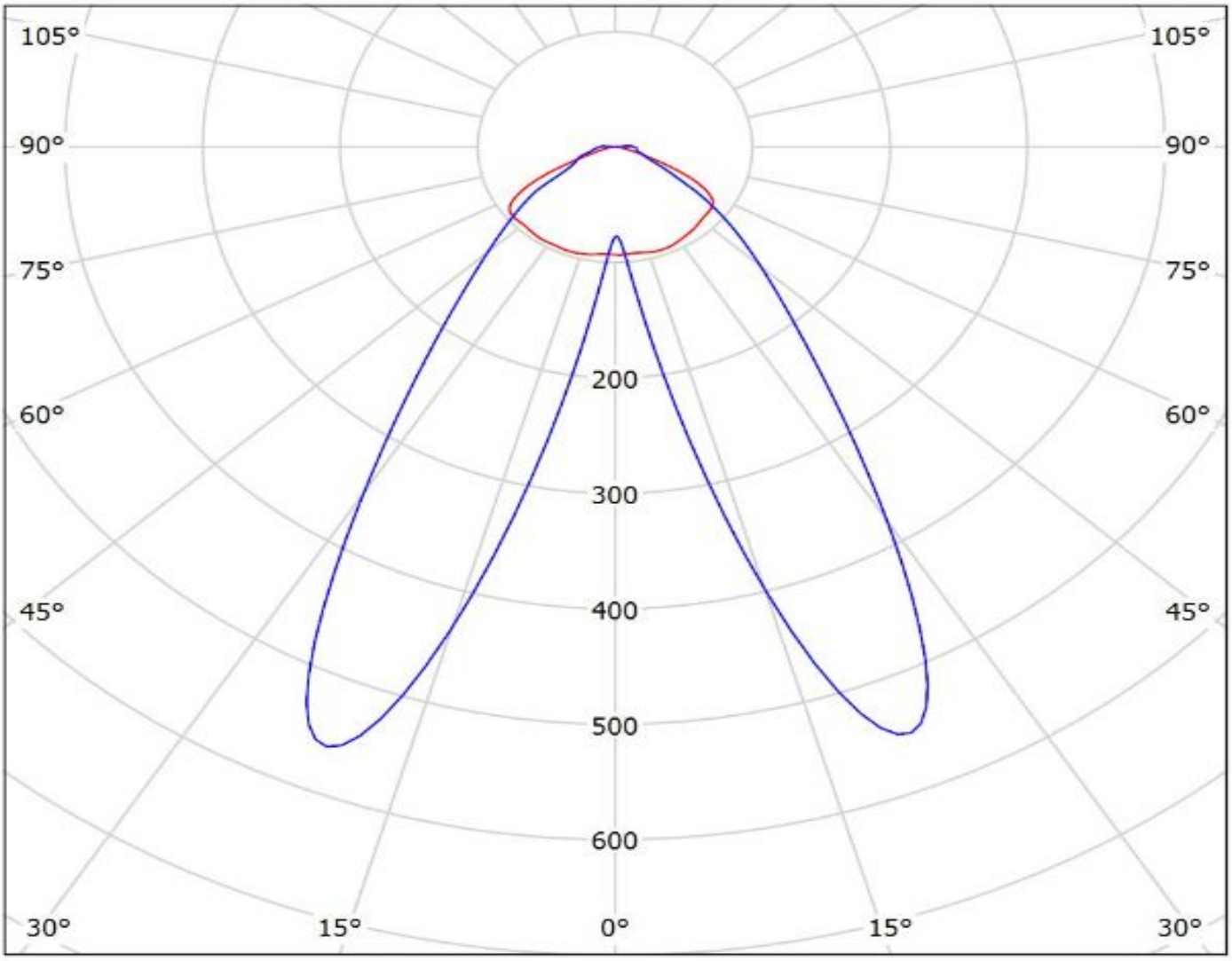
C0 - C180 C90 - C270

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



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



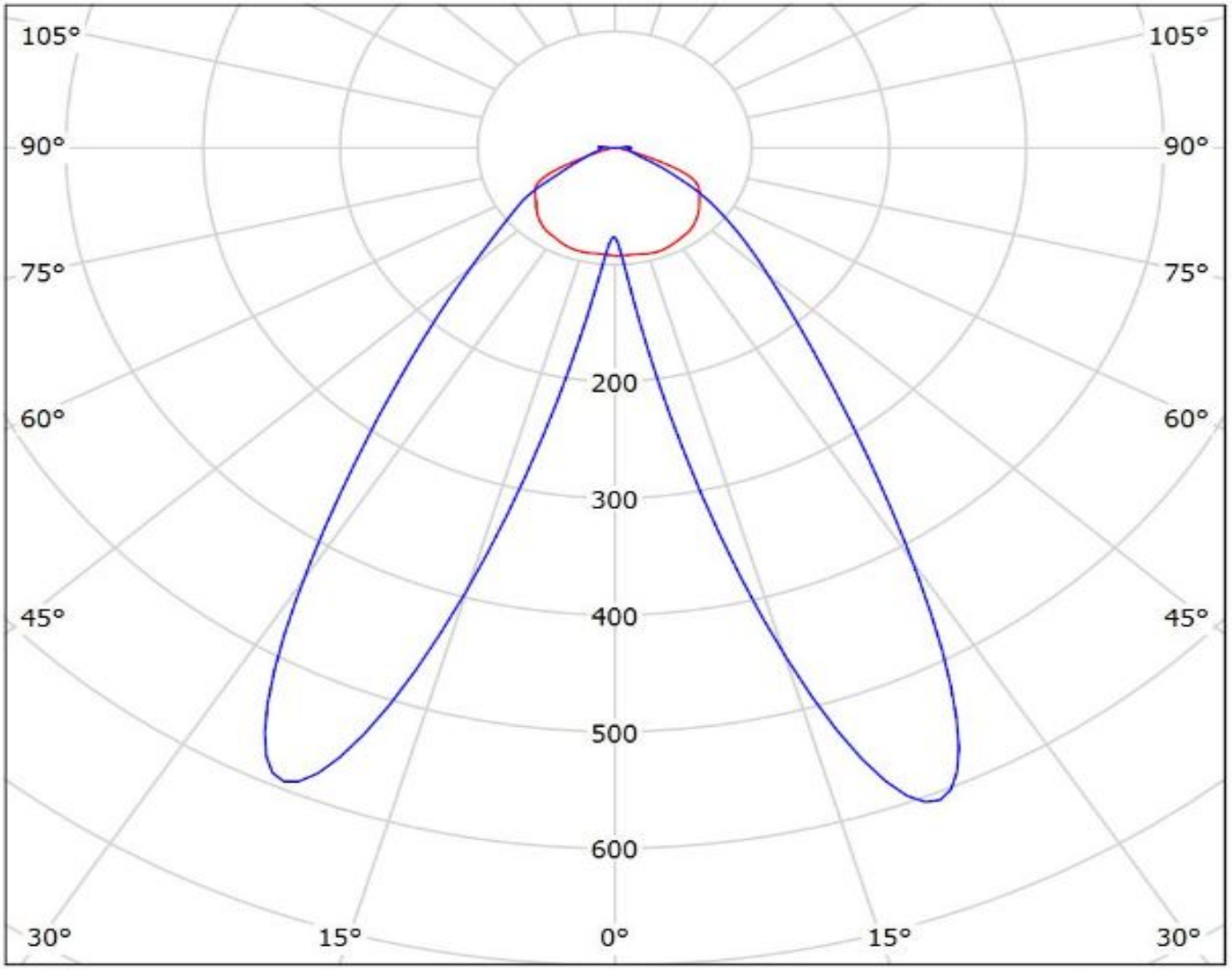
cd/klm

η = 92%

C0 - C180 C90 - C270

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

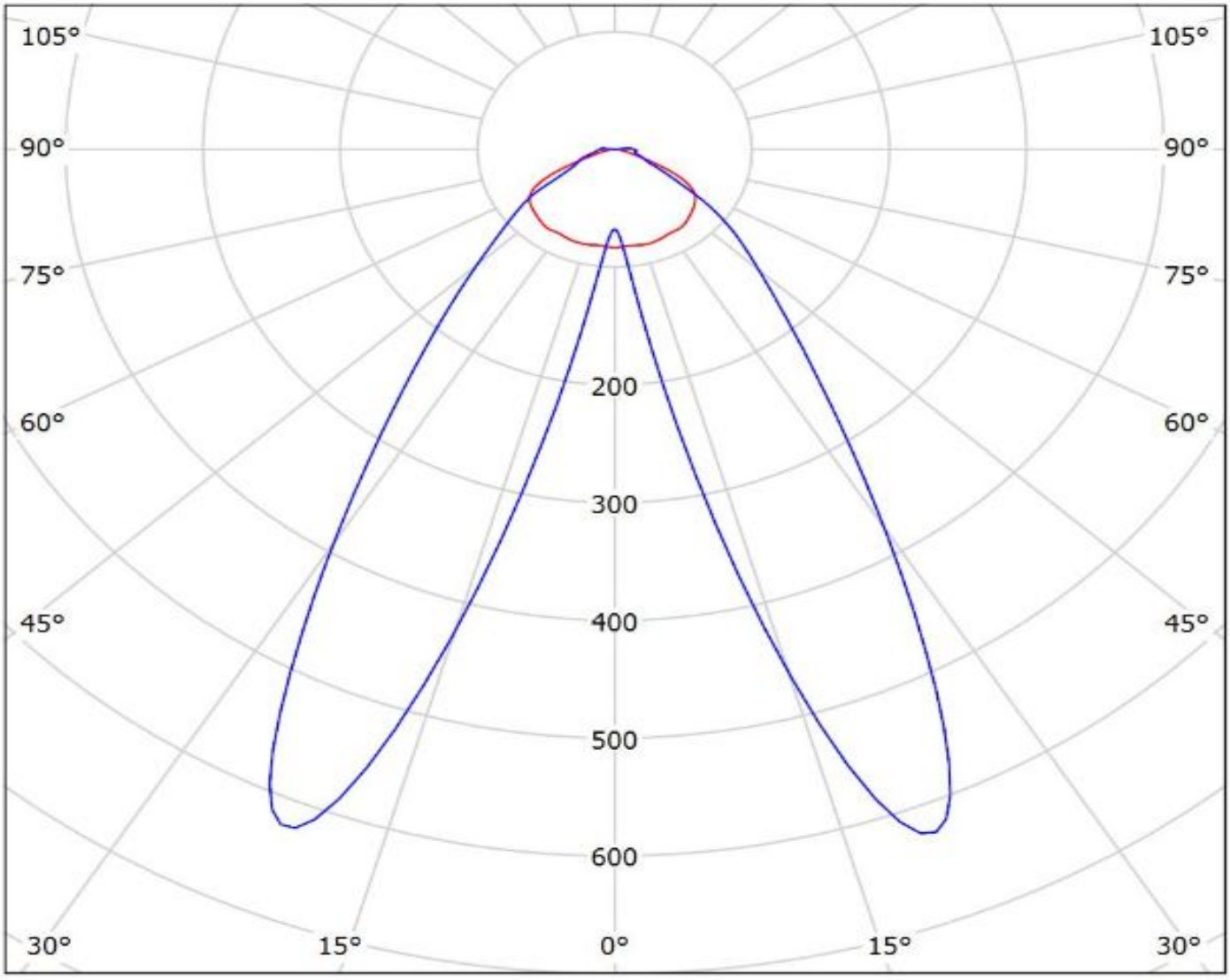
Luminaire: Ledil F14170_FLORENCE-ZT25_(Luxeon_XR-3535L)
Lamps: 1 x Lumileds_Luxeon_XR-3535L_3x11_(L202–3080033C30001)
_1087.37lm@250mA_CCT=3000K_P=8.15W_I=0.25A



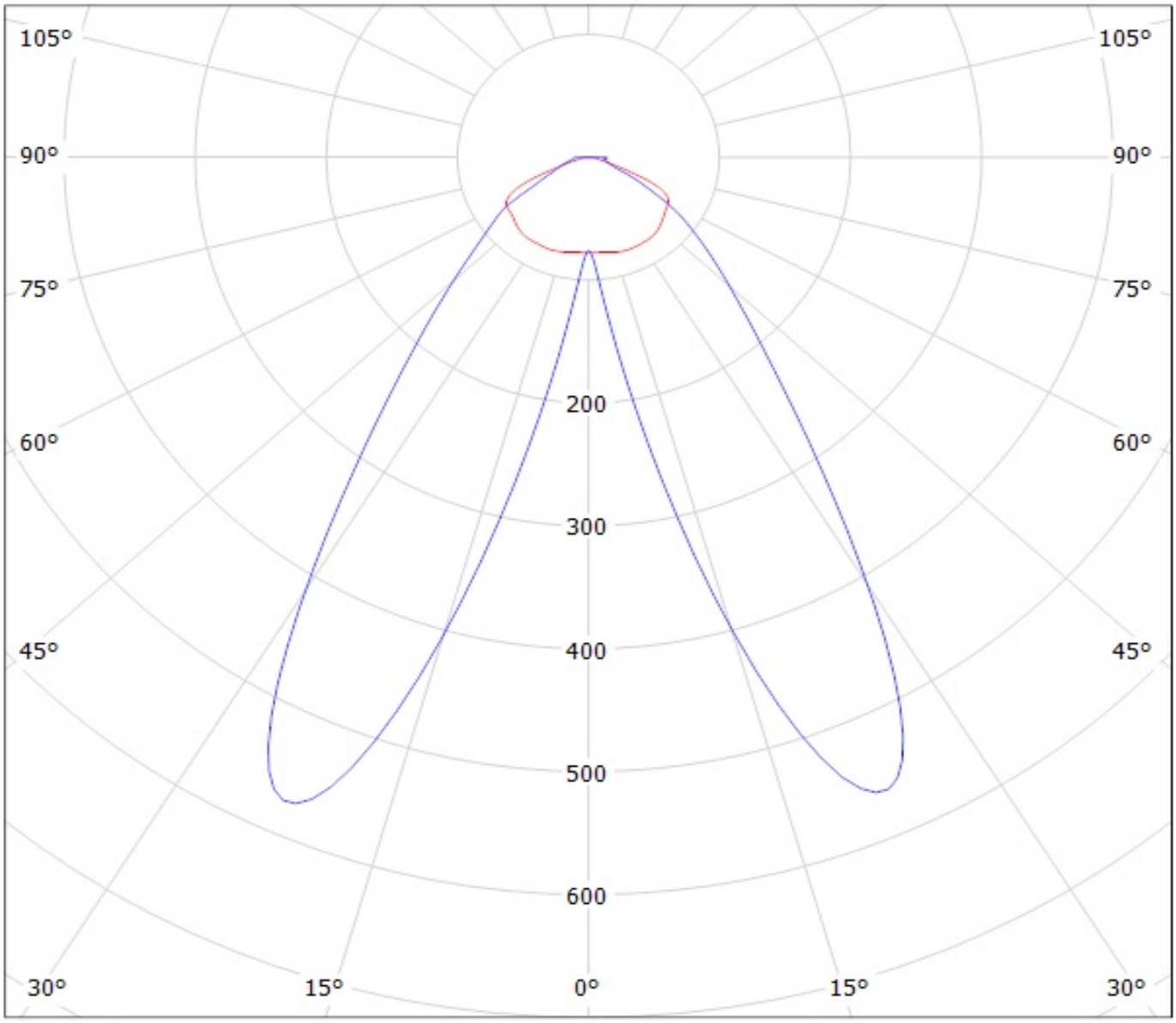
cd/klm
η = 97%
C0 - C180
C90 - C270

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

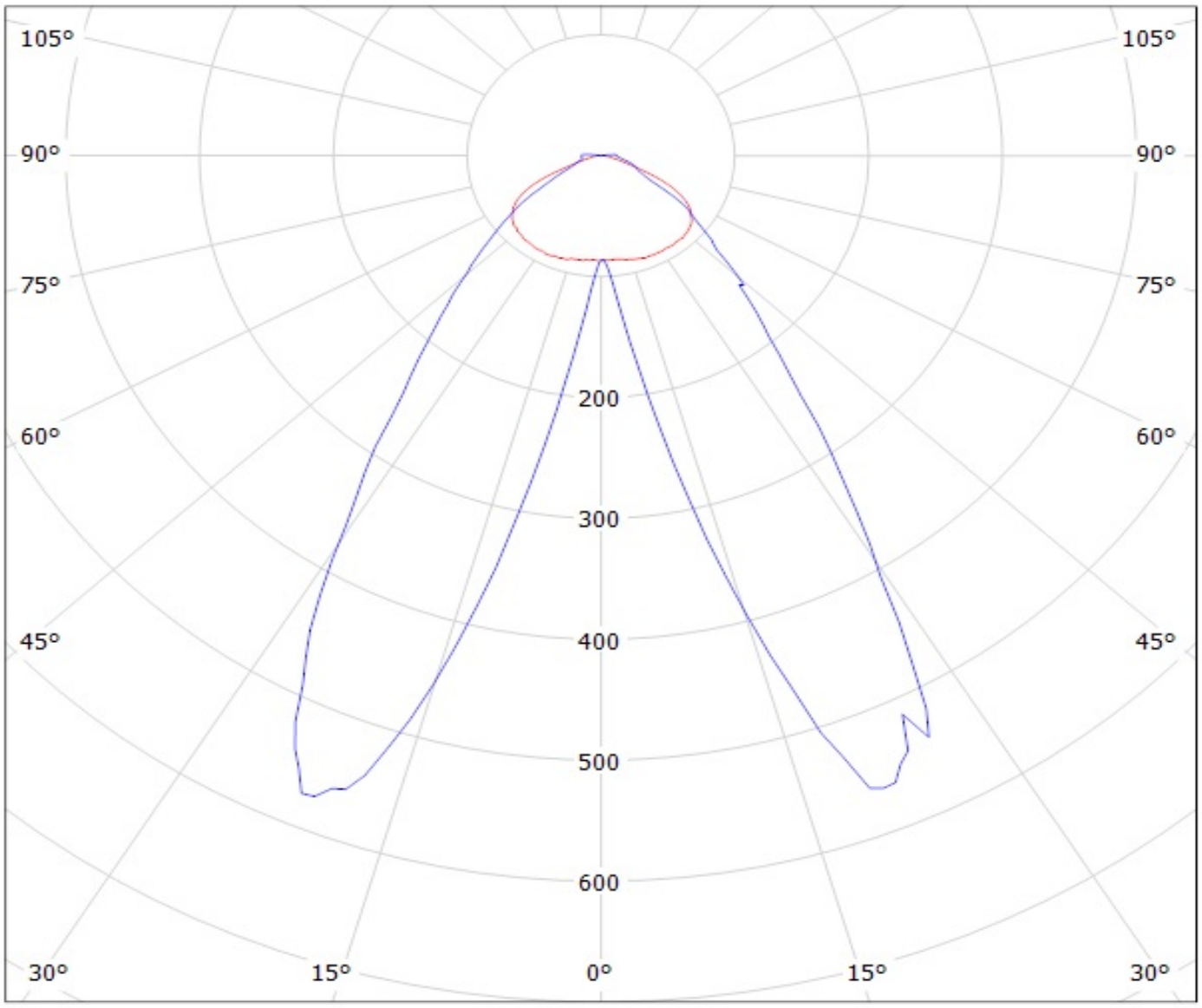
Luminaire: Ledil F14170_FLORENCE-ZT25_(MP-2016)
Lamps: 1 x Luminus_MP-2016_x22_(LUMMP-1100-30-80)_715.864lm@180mA_P=6W_I=0.18A



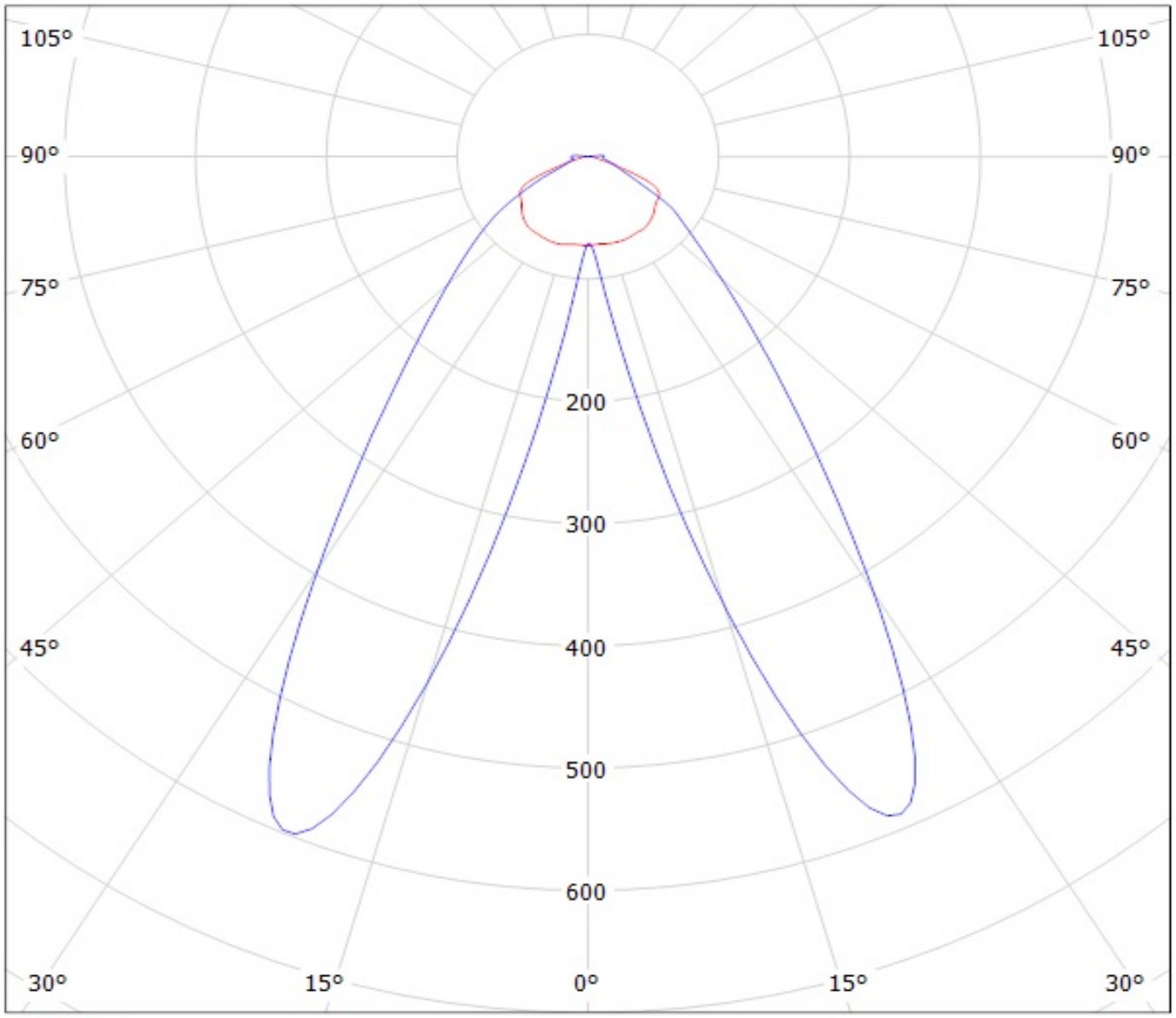
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(NT2x757D) Eff: 94%
Lamps: 1 x Nichia_NT2x757D_(NT2W757DRT)_1465.4lm@150mA_P=9.3849W_I=0.15A



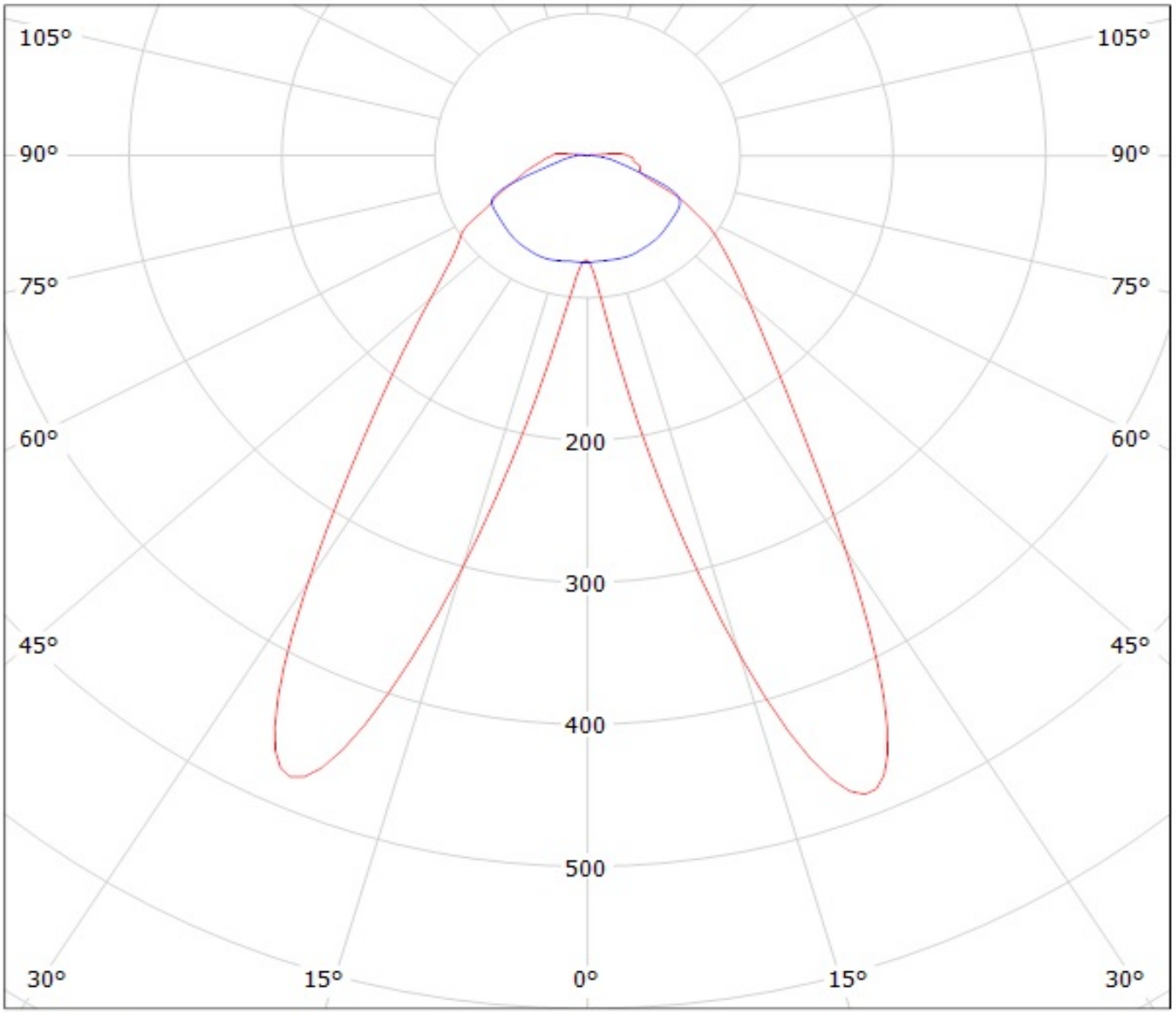
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(DURIS_E5) Eff: 94%
Lamps: 1 x Osram_DURIS_E5_570lm@120mA_P=3.69459W_I=120.2mA



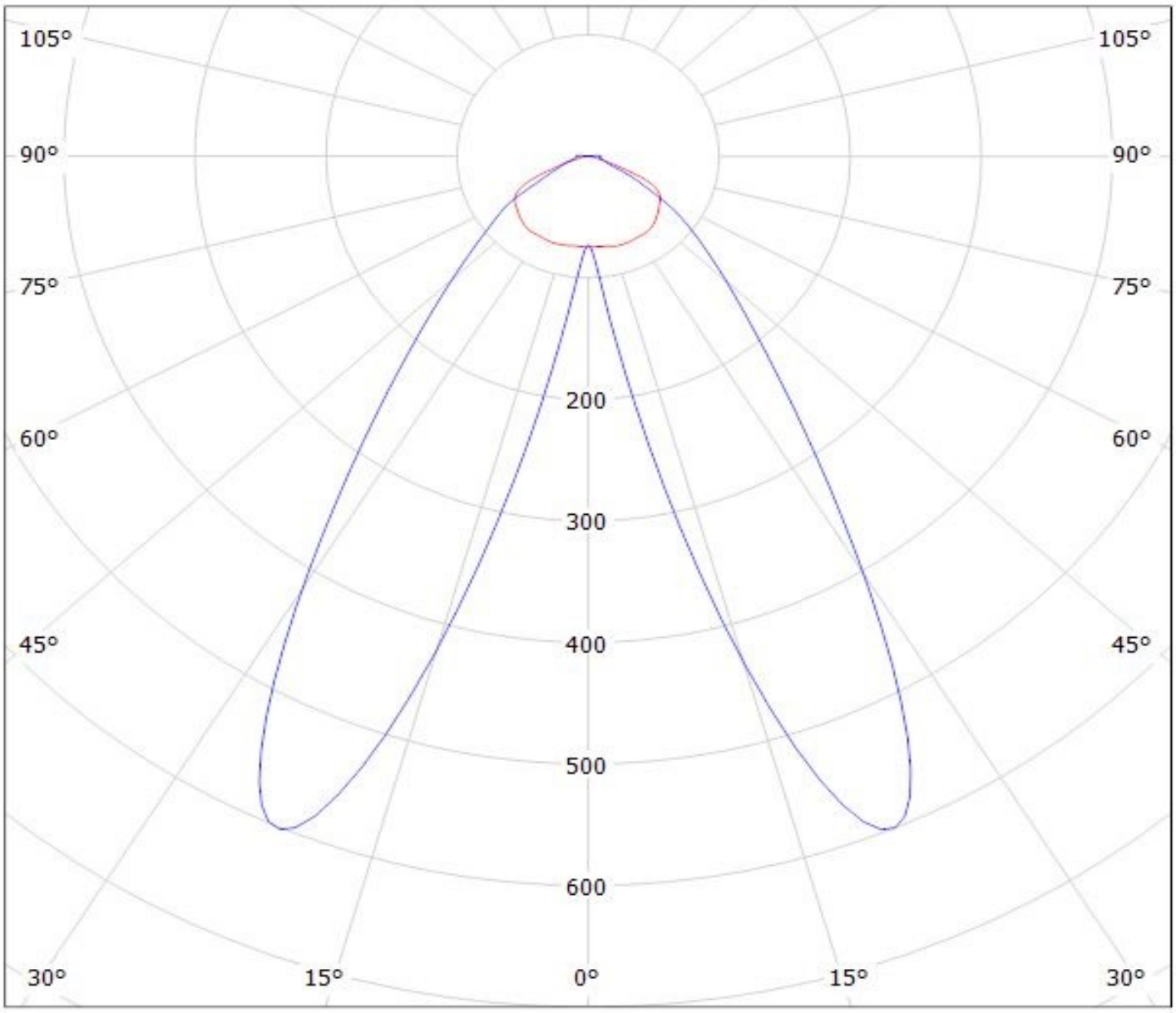
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(DURIS_S5) Eff: 94%
Lamps: 1 x Osram_DURIS_S5_511.3lm@120mA_P=3.76574W_I=120.1mA



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

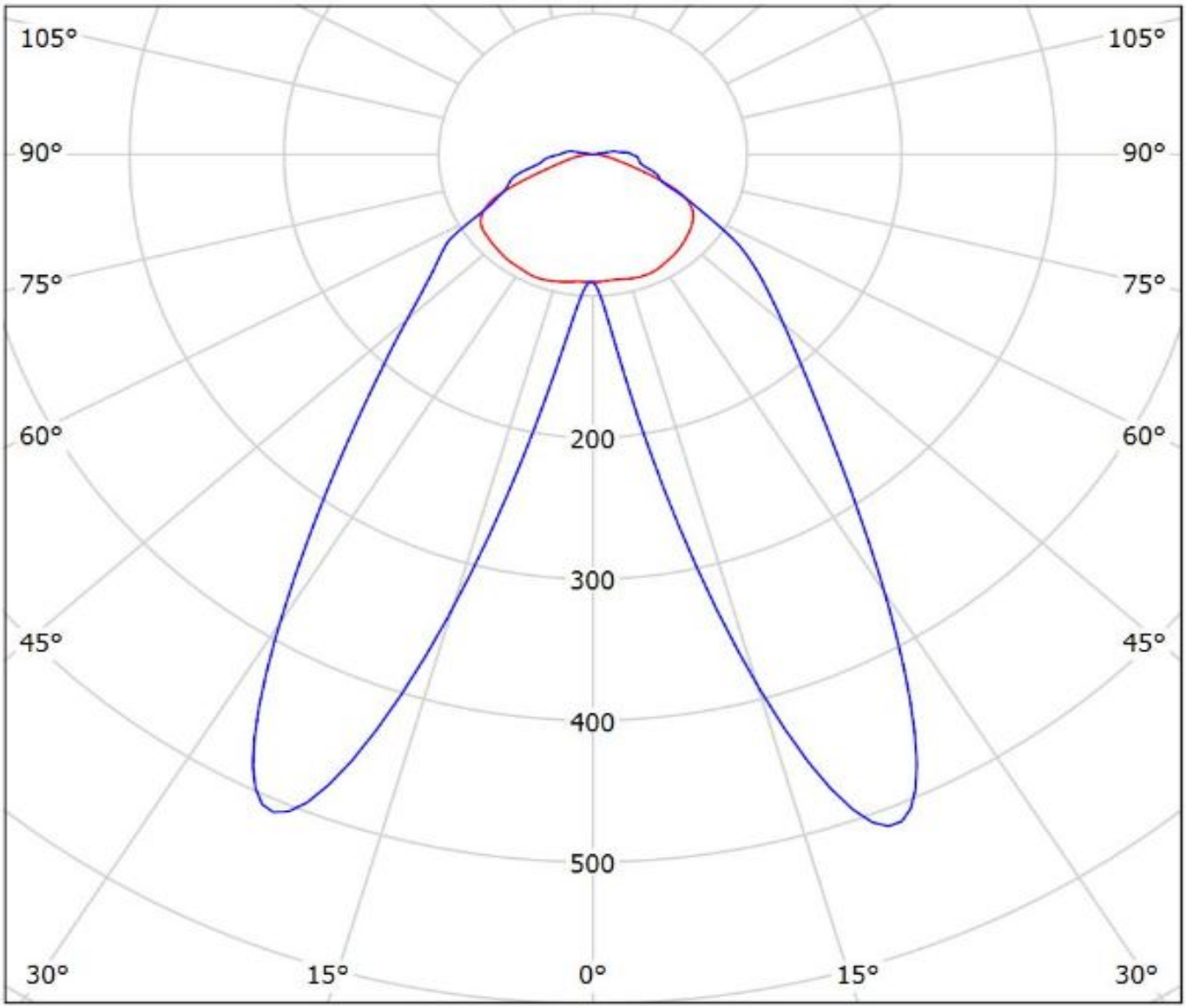


cd/klm

η = 94%

C0 - C180 C90 - C270

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

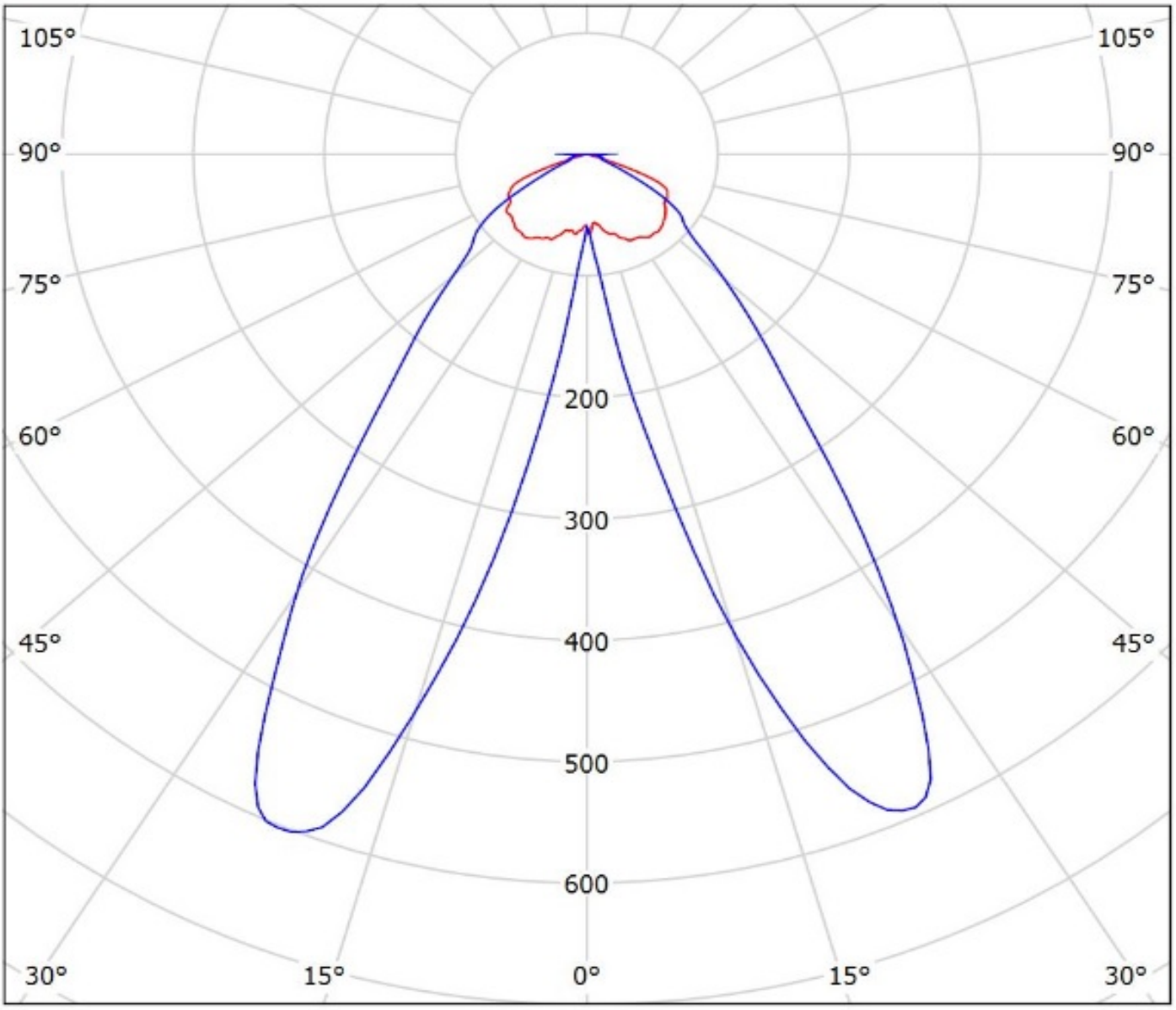


cd/klm

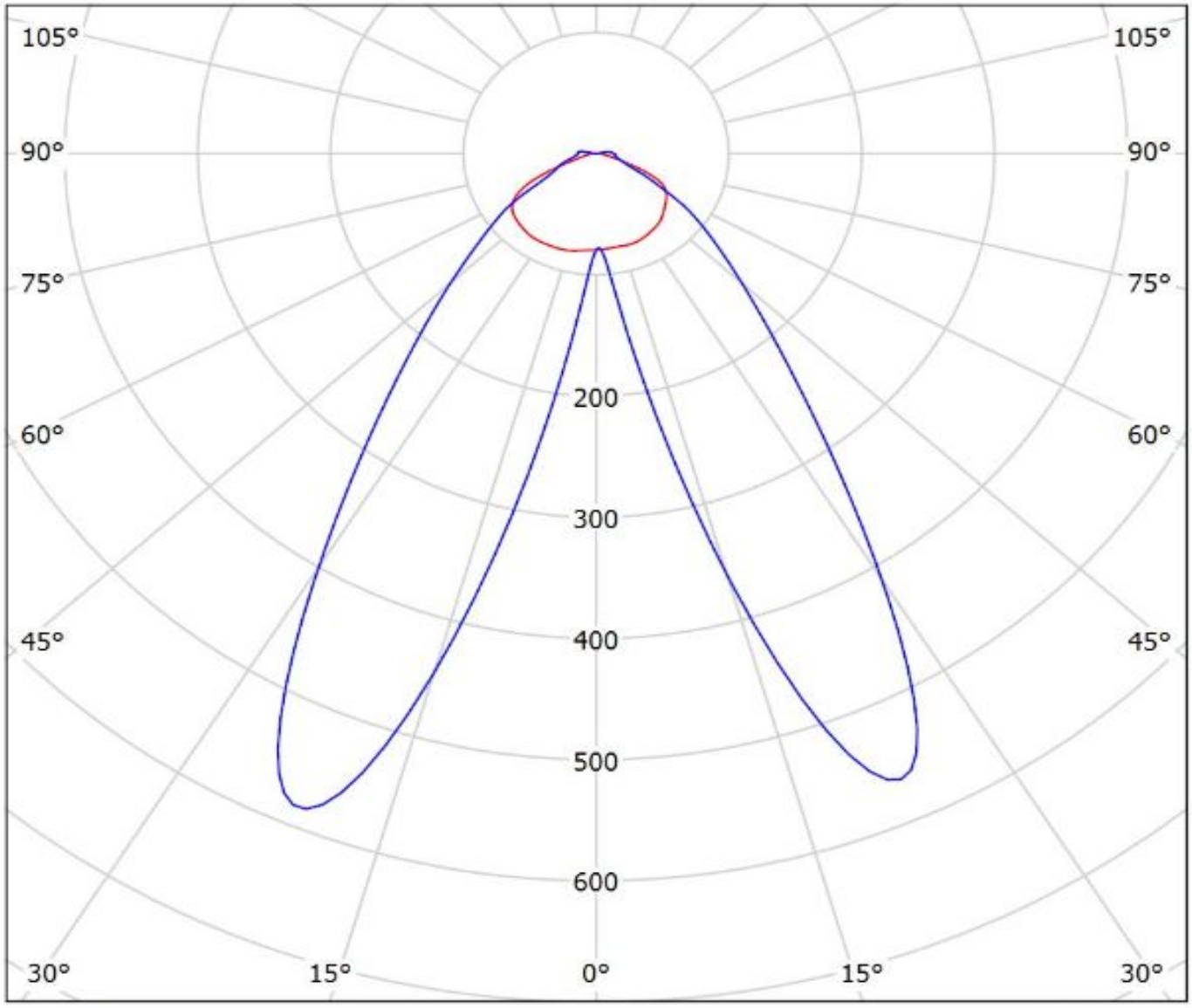
η = 93%

C0 - C180 C90 - C270

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

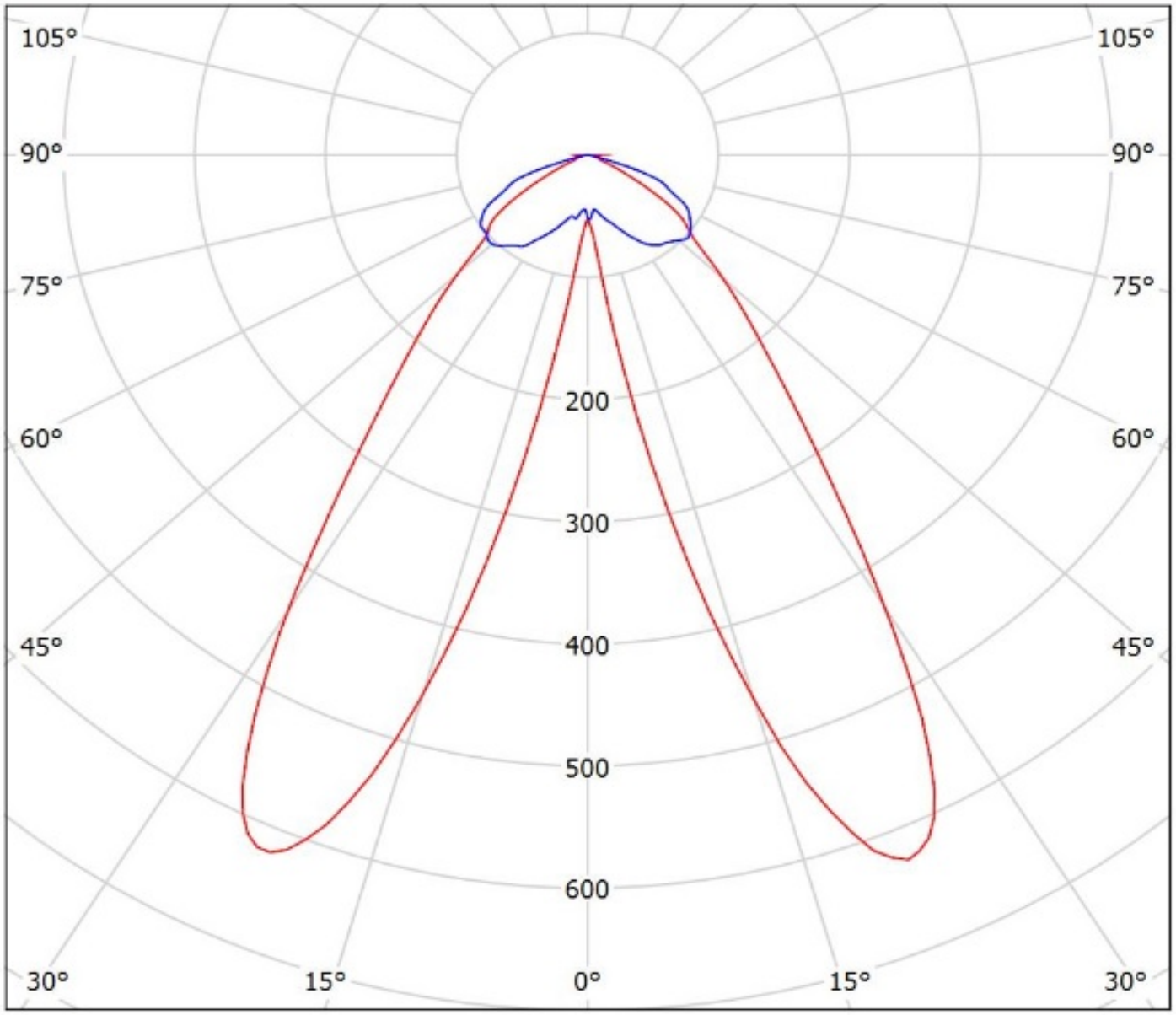


Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(Oslon_Square_Gen3)
Lamps: 1 x Osram_Oslon_Square_Gen3_(GW_CSSRM2.EM)
_1246.56lm@250mA_P=7.4303W_I=0.250A

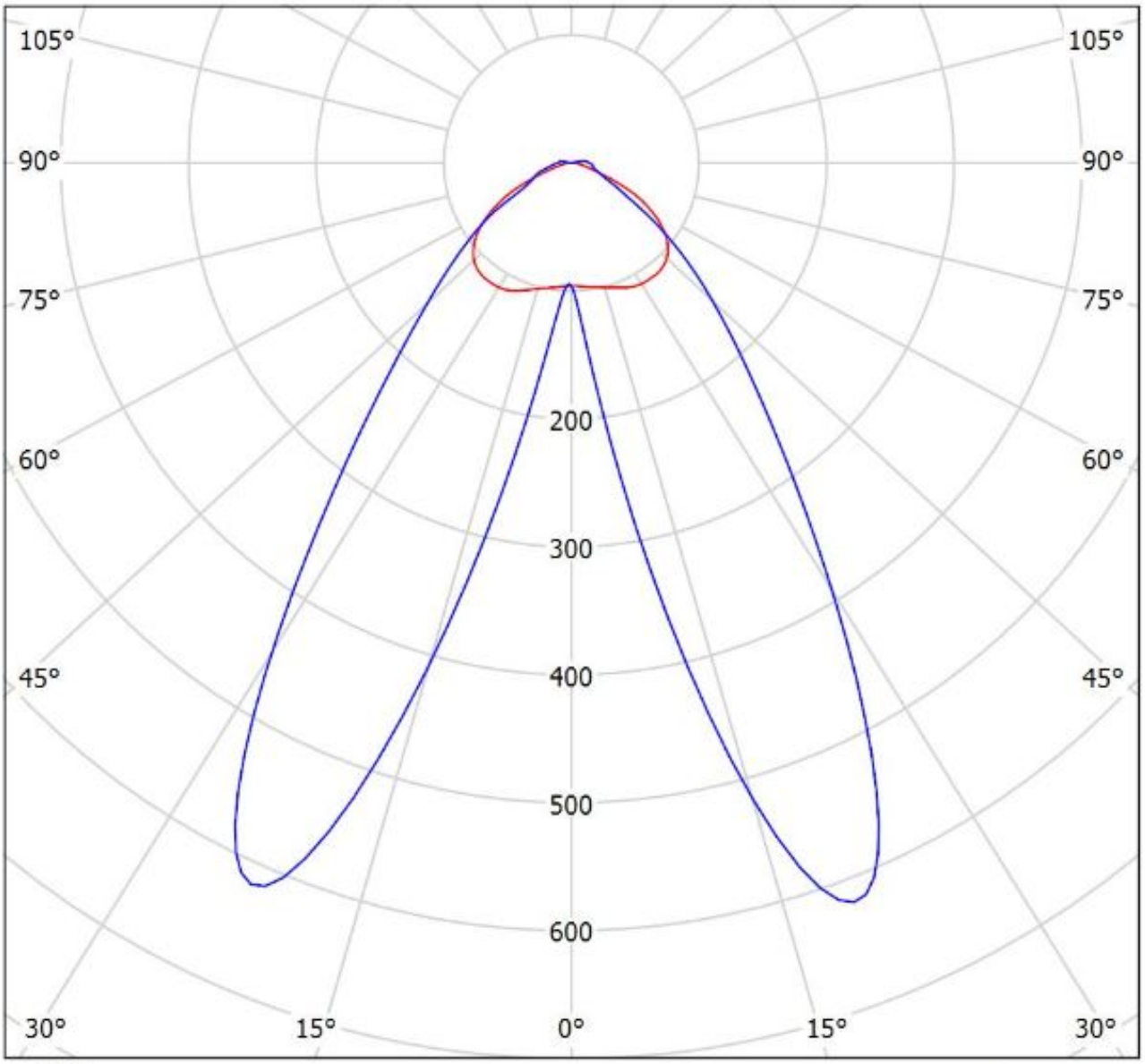


cd/klm
C0 - C180
C90 - C270
η = 96%

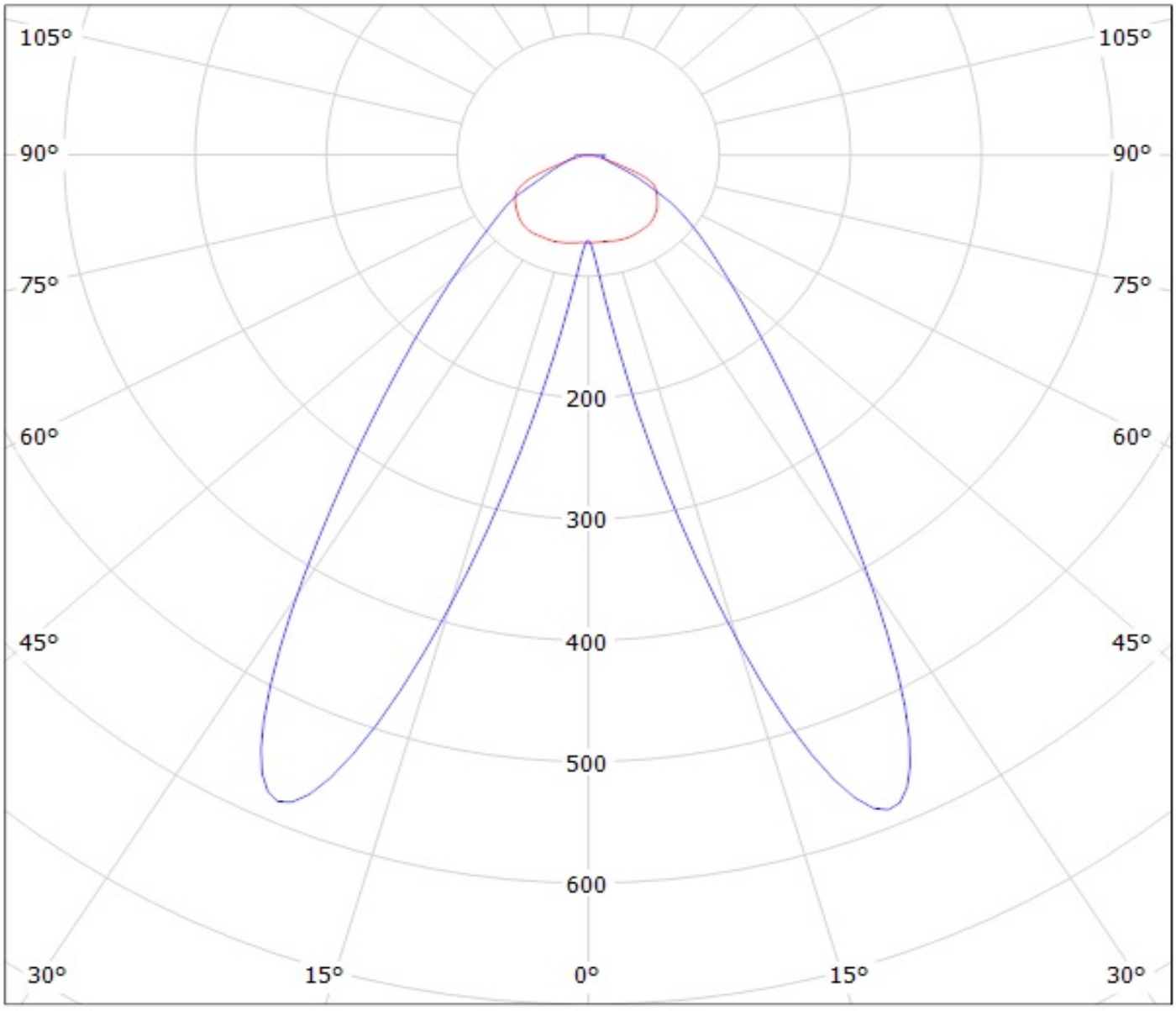
Luminaire: Ledil Oy F14170_FLORENCE-ZT25-Fortimo_650lm_3R_SIMULATED
Lamps: 1 x Fortimo_650lm_3R



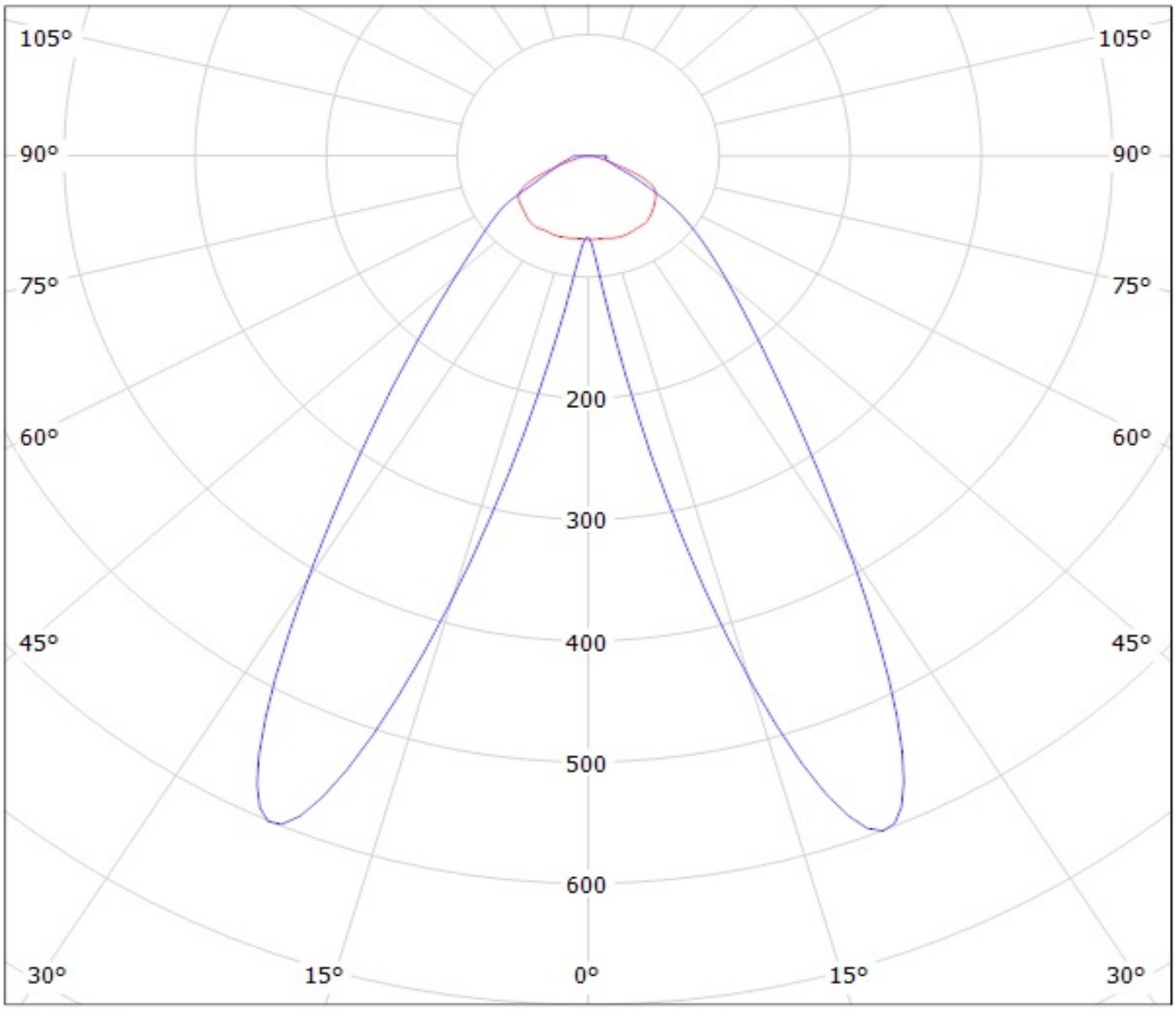
Luminaire: Ledil F14170_FLORENCE-ZT25_(Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2)
Lamps: 1 x Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2_1229.9lm@250mA_CCT=3000K_P=7.5790W_I=0.25A



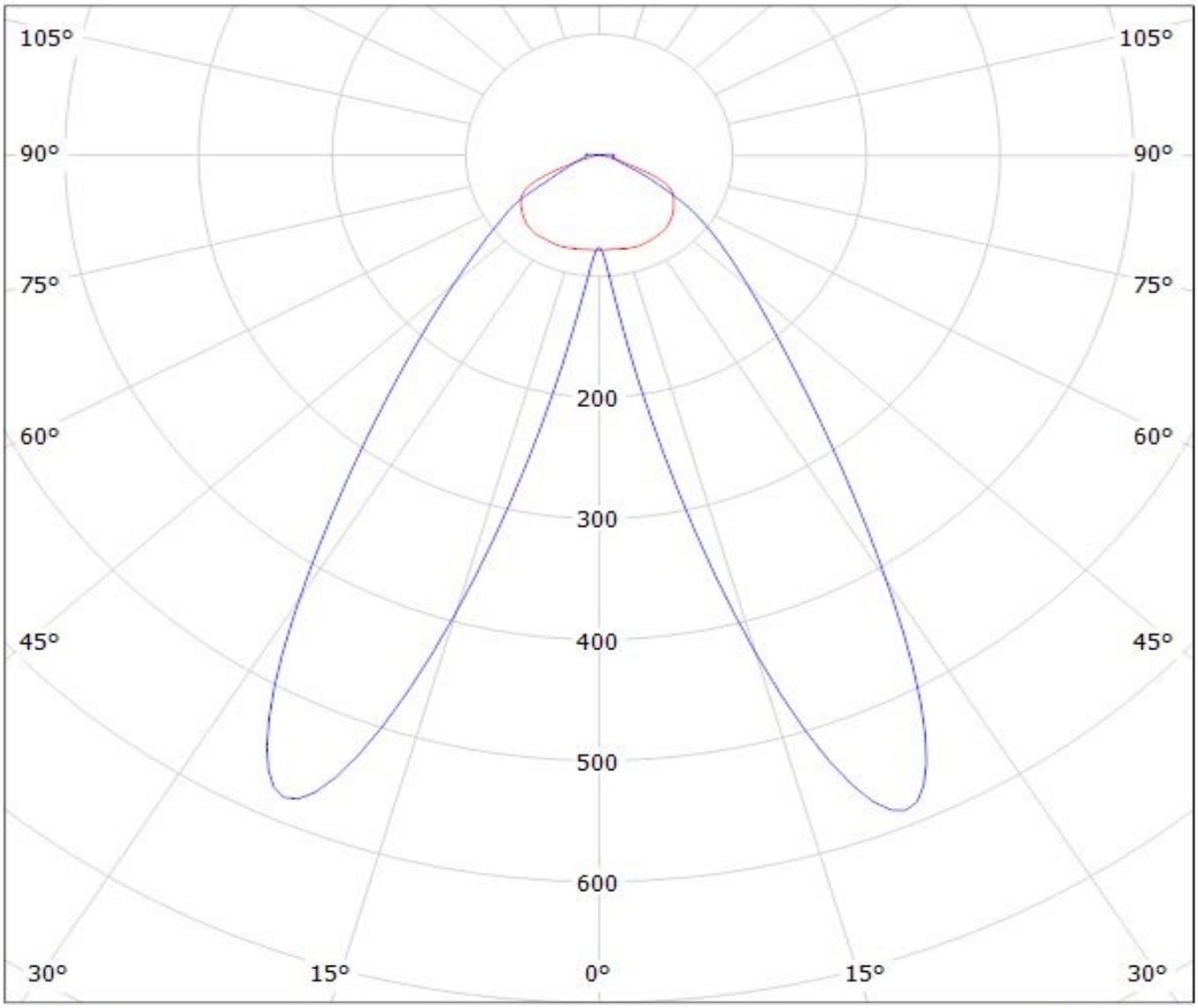
Luminaire: LEDiL Oy F14170_FLORENCE-ZT25_(LM561B) Eff: 94%
Lamps: 1 x Samsung_LM561B_695.232lm@150mA_P=4.6194W_I=0.15A



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

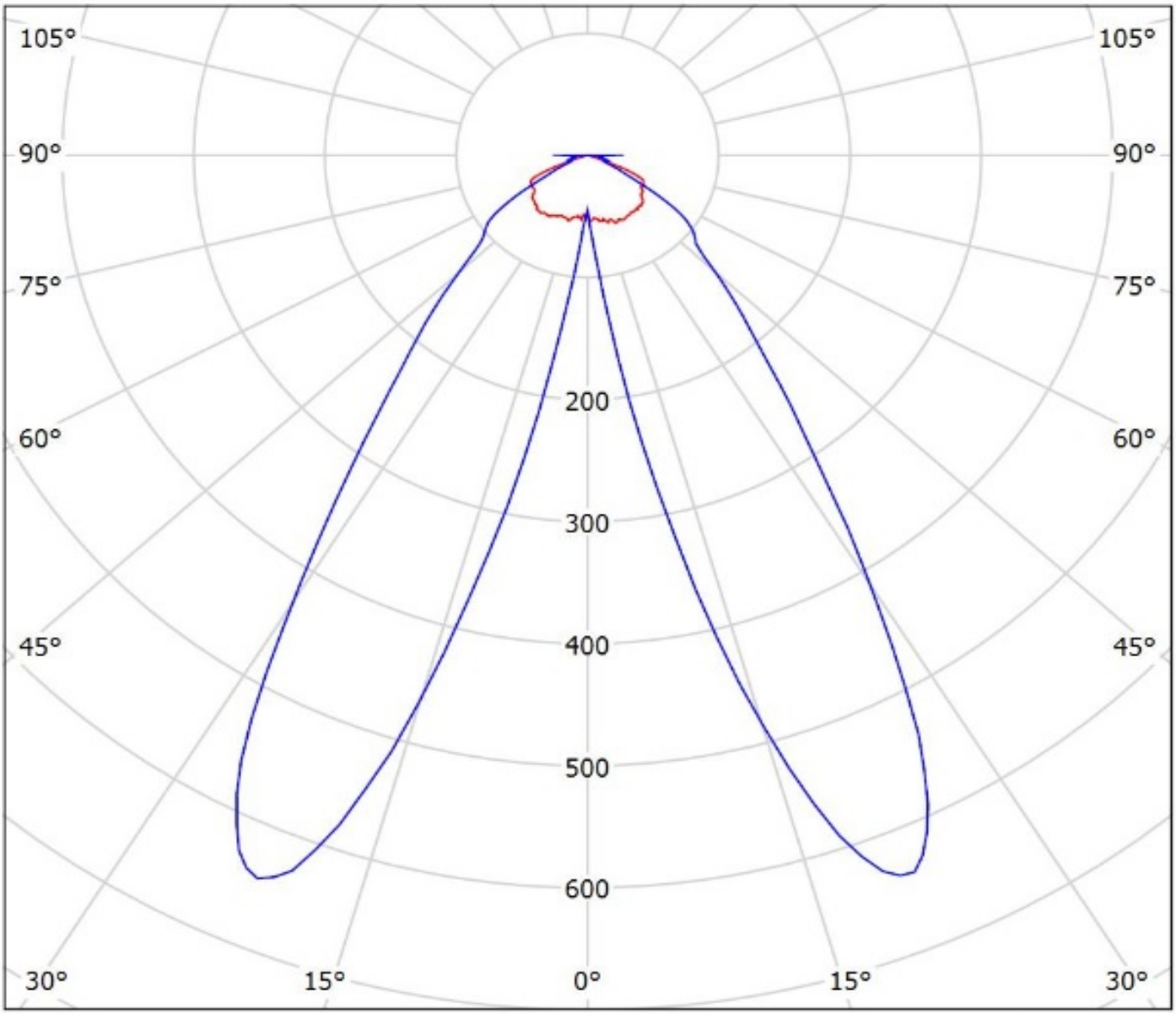


cd/klm

η = 94%

C0 - C180 C90 - C270

Luminaire: Ledil Oy F14170_FLORENCE-ZT25_(LM281B)_SIMULATED
Lamps: 1 x Samsung LM281B

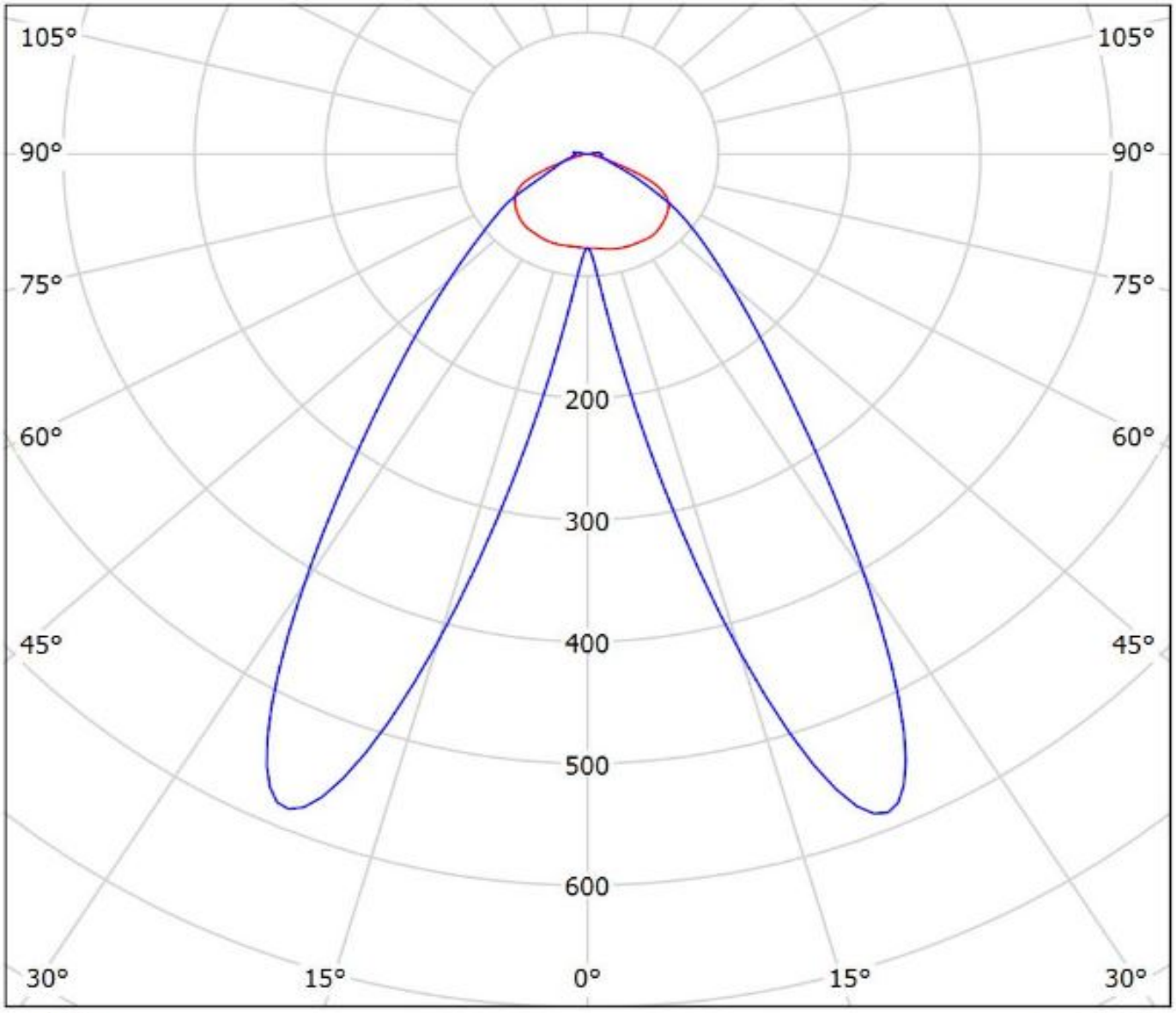


cd/klm

η = 96%

C0 - C180 C90 - C270

Luminaire: Ledil F14170_FLORENCE-ZT25_(LM561B+)
Lamps: 1 x Samsung_LM561B+_x33_1261.92lm@250mA_P=8.10375W_U=32.415V

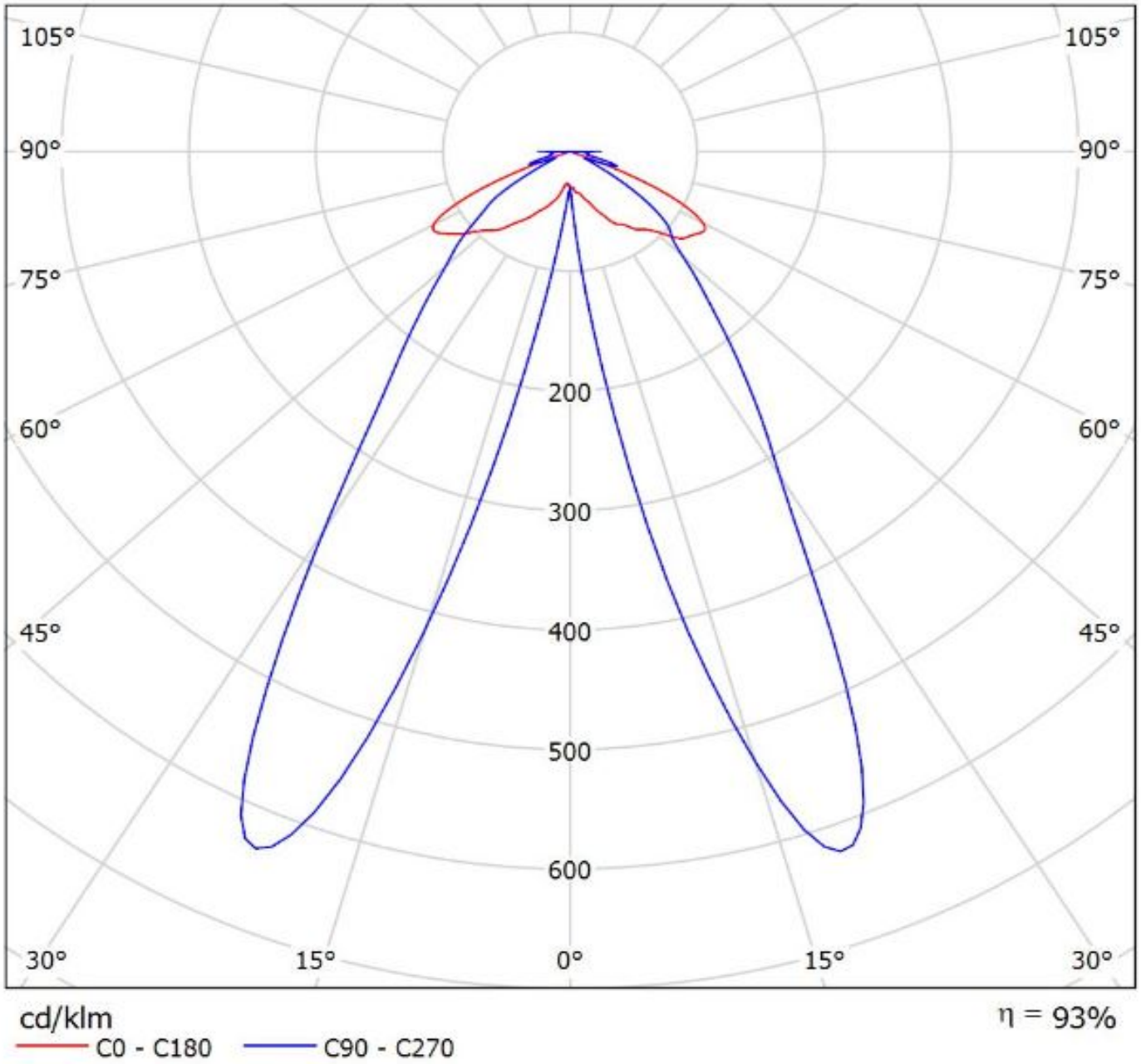


cd/klm

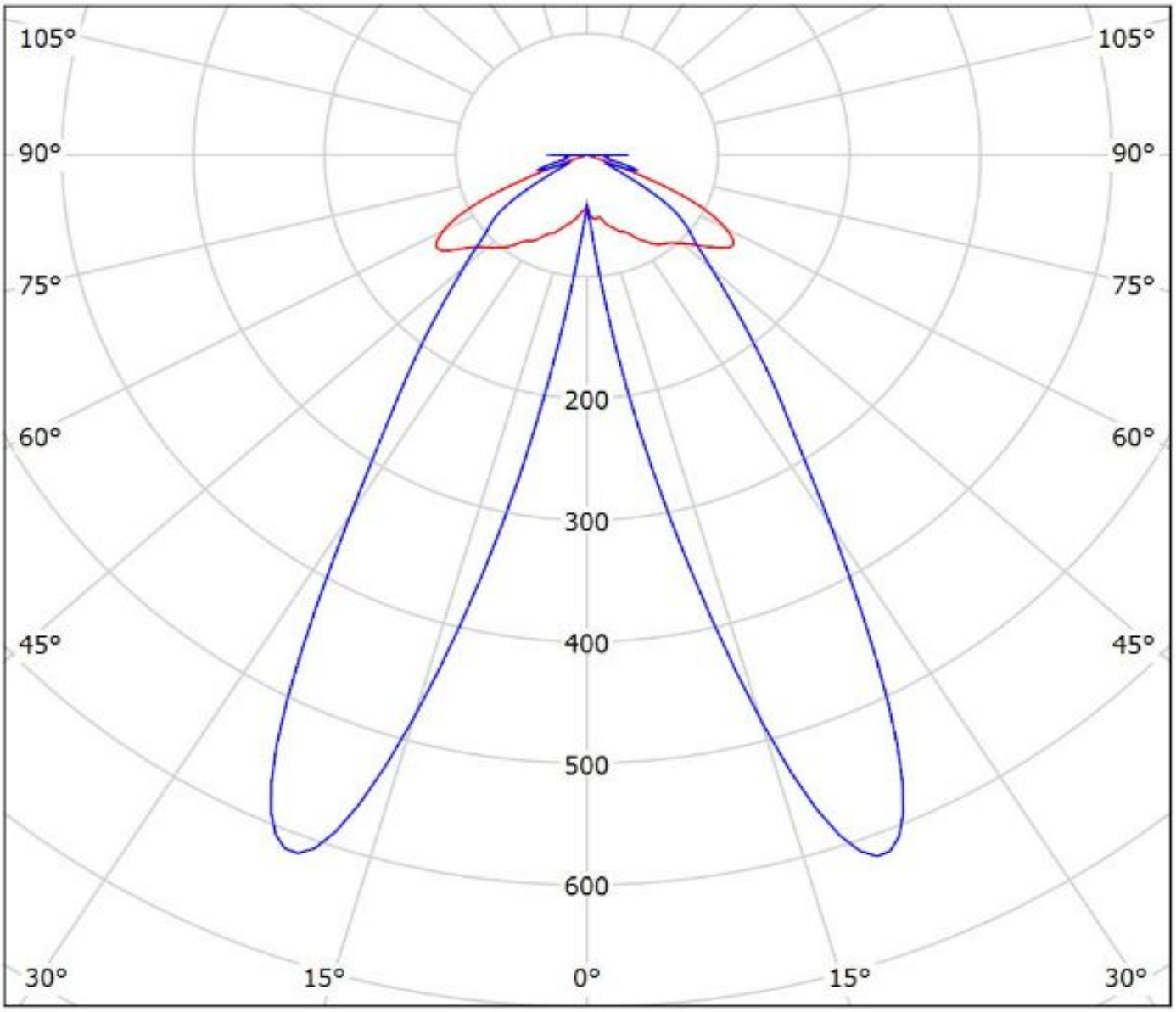
η = 95%

C0 - C180 C90 - C270

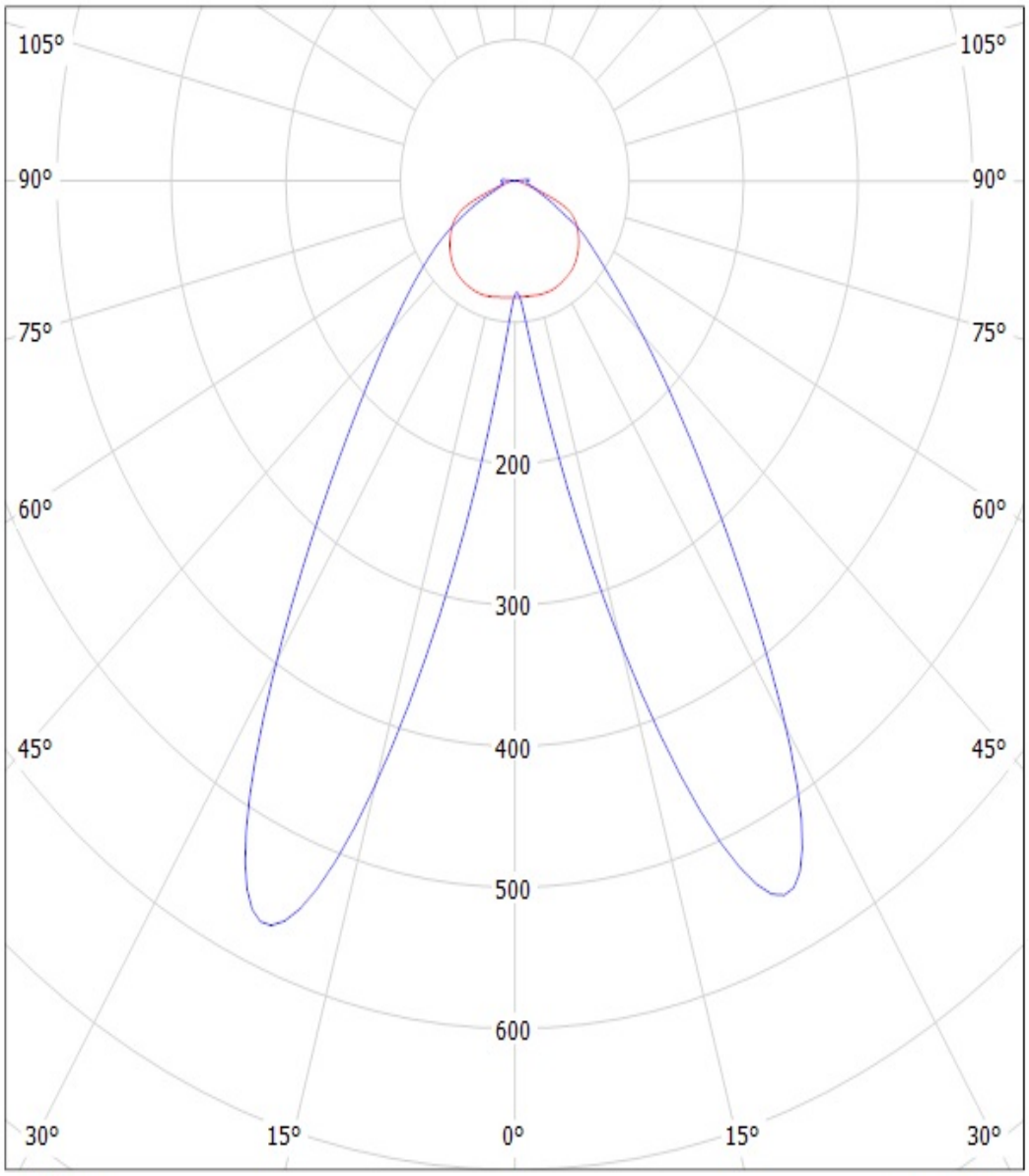
Luminaire: Ledil Oy F14170_FLORENCE-ZT25_OSRAM_DURIS_S5_(2chip)_SIMULATED
Lamps: 1 x OSRAM DURIS S5 (2chip)



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



cd/klm

η = 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.