PRODUCT DATASHEET
Florence series
last update 24/2/2017

DETAILS



Product Number	F13853_FLORENCE-Z90
Family	Florence
Type	Lens array
Color	clear
Diameter	61 x 286 mm
Height	8,45 mm
Style	rectang
Optic Material	PMMA
Holder Material	
Fastening	screw
Status	production ready
ROHS Compliant	Yes
Date Updated	24/02/2017

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
5630 (ASMU-LWG0-NxxE)	92 deg	WWW-class	90 %	0.400	-
TRIDINO R3 8x0 1100 1ft HV	92 deg	WWW-class	87 %	0.410	-
XH-B/G	95 deg	WWW-class	82 %	0.370	-
LG 5630	93 deg	WWW-class	87 %	0.390	-
LG 6030	92 deg	WWW-class	88 %	0.410	-
LG 7030	sim: 91	WWW-class	-	sim: 0.320	-
LUXEON 3535 2D	92 deg	WWW-class	87 %	0.410	-
LUXEON 3030 2D	91 deg	WWW-class	87 %	0.420	-
LUXEON XR-3535L (L202 - xxxx033C30011)	90 deg	WWW-class	93 %	0.430	-
LUXEON 3535L HE	92 deg	WWW-class	93 %	0.420	-
MP-2016	90 deg	WWW-class	91 %	0.420	-
NF2x757D	92 deg	WWW-class	90 %	0.430	-
NF2x757G	sim: 90	WWW-class	sim: 80 %	sim: 0.370	-
NVSxE21A	sim: 90	WWW-class	sim: 94 %	sim: 0.390	-
OSCONIQ P 2226	94 deg	WWW-class	83 %	0.370	-
Duris S5 (Single chip)	91 deg	WWW-class	88 %	0.410	-
Duris E5	92 deg	WWW-class	88 %	0.400	-
PLG2-BAR-1100-xxx-280x55-DC	92 deg	WWW-class	92 %	0.420	-
Duris S2	95 deg	WWW-class	90 %	0.350	-
Duris E 2835	sim: 85	WWW-class	sim: 87 %	sim: 0.460	-
Oslon Square Gen3	91 deg	WWW-class	93 %	0.420	-
Fortimo LED Line 1ft 650lm 8x0 3R xV2/xV3	93 deg	WWW-class	87 %	0.390	-
Fortimo LED Line 1ft 1100lm xx0 3R xV2/xV3	92 deg	WWW-class	88 %	0.400	-
Fortimo LED Line 1ft 2000lm 8xx 3R HV2	90 deg	WWW-class	93 %	0.430	-
LM561B	86 deg	WWW-class	85 %	0.420	-

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24240 SALO, Finland

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FAX: +358-2-733 8001

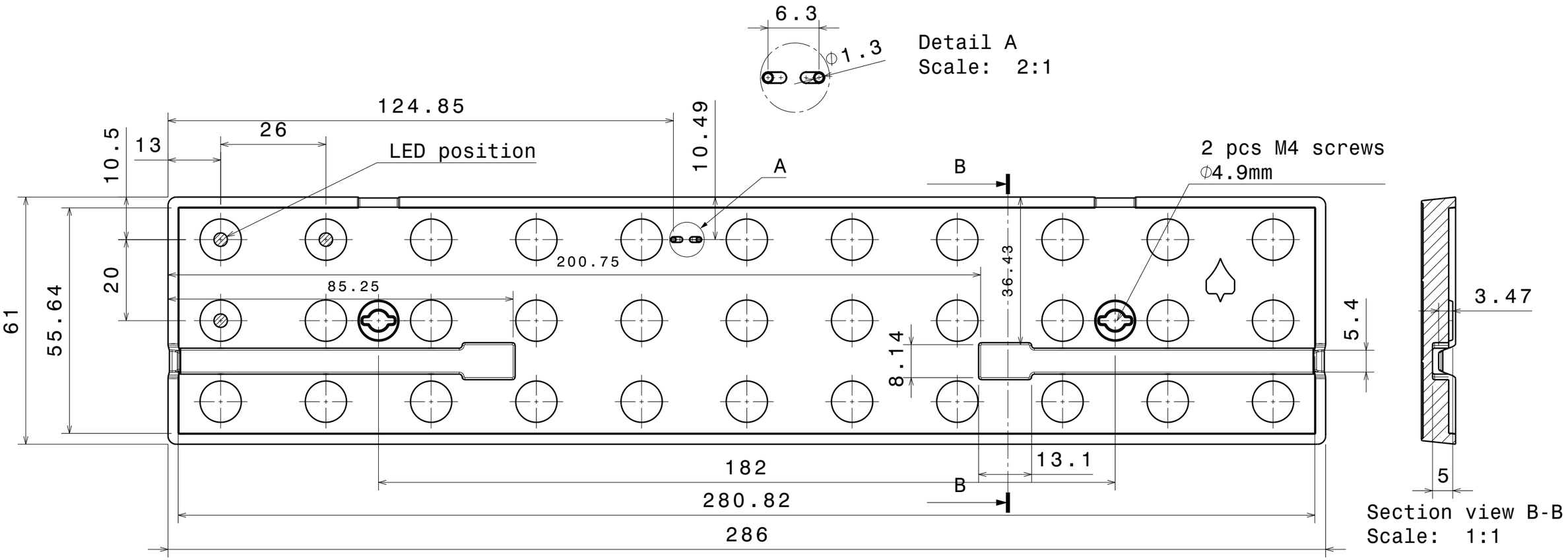
PRODUCT DATASHEET
Florence series
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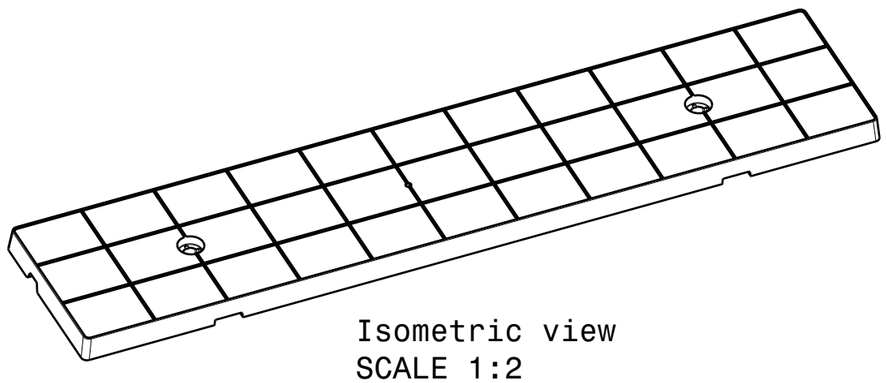
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
LM231 A/B	91 deg	WWW-class	88 %	0.414	-
LT-R286A	93 deg	WWW-class	93 %	0.410	-
LM561B Plus	92 deg	WWW-class	93 %	0.410	-
LM561C	92 deg	WWW-class	93 %	0.420	-
LM28xB Series	sim: 90	WWW-class	sim: 93 %	sim: 0.450	-
SEOUL 5630C	sim: 86	WWW-class	sim: 85 %	sim: 0.450	-
SEOUL 5630D	sim: 83	WWW-class	sim: 84 %	sim: 0.450	-
STARK LLE-55-280-1650 CLASSIC	93 deg	WWW-class	90 %	0.420	-

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Isometric view
SCALE 1:2

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:

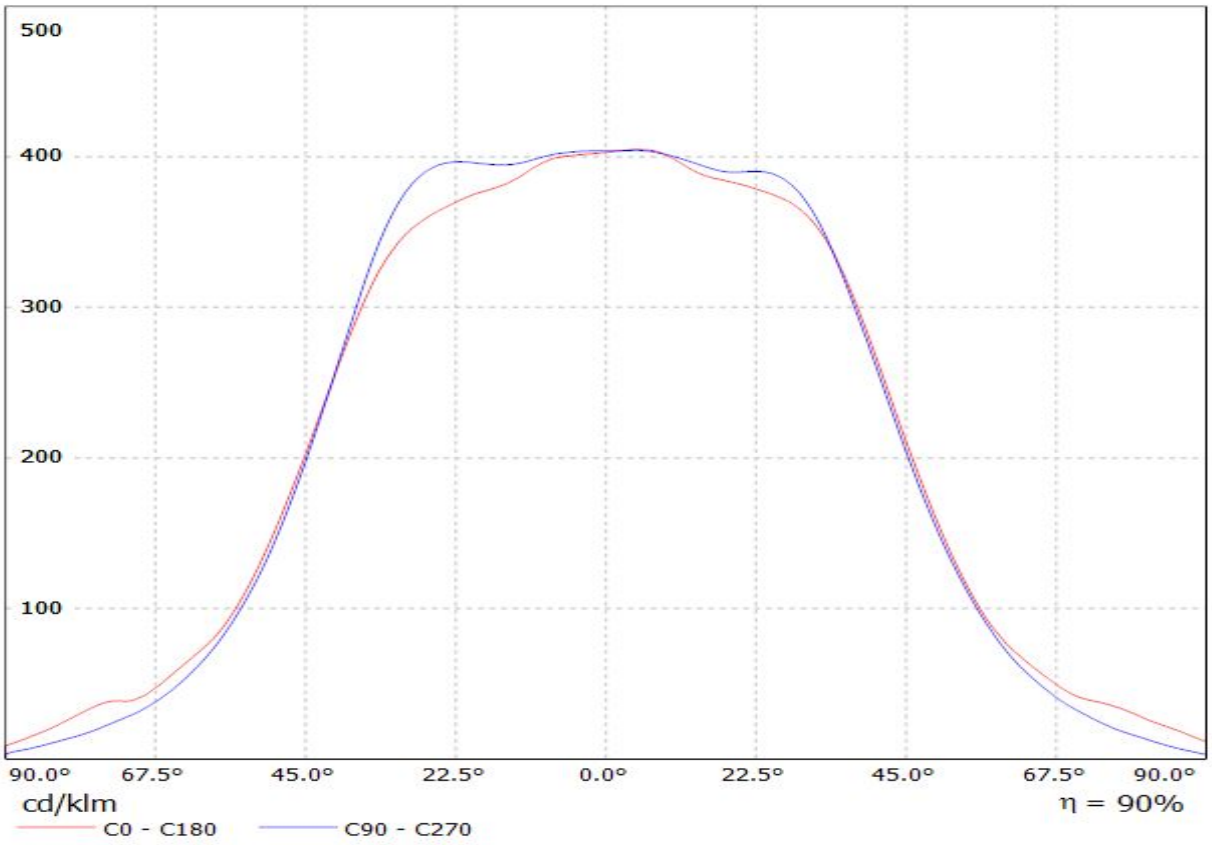
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."

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Finland

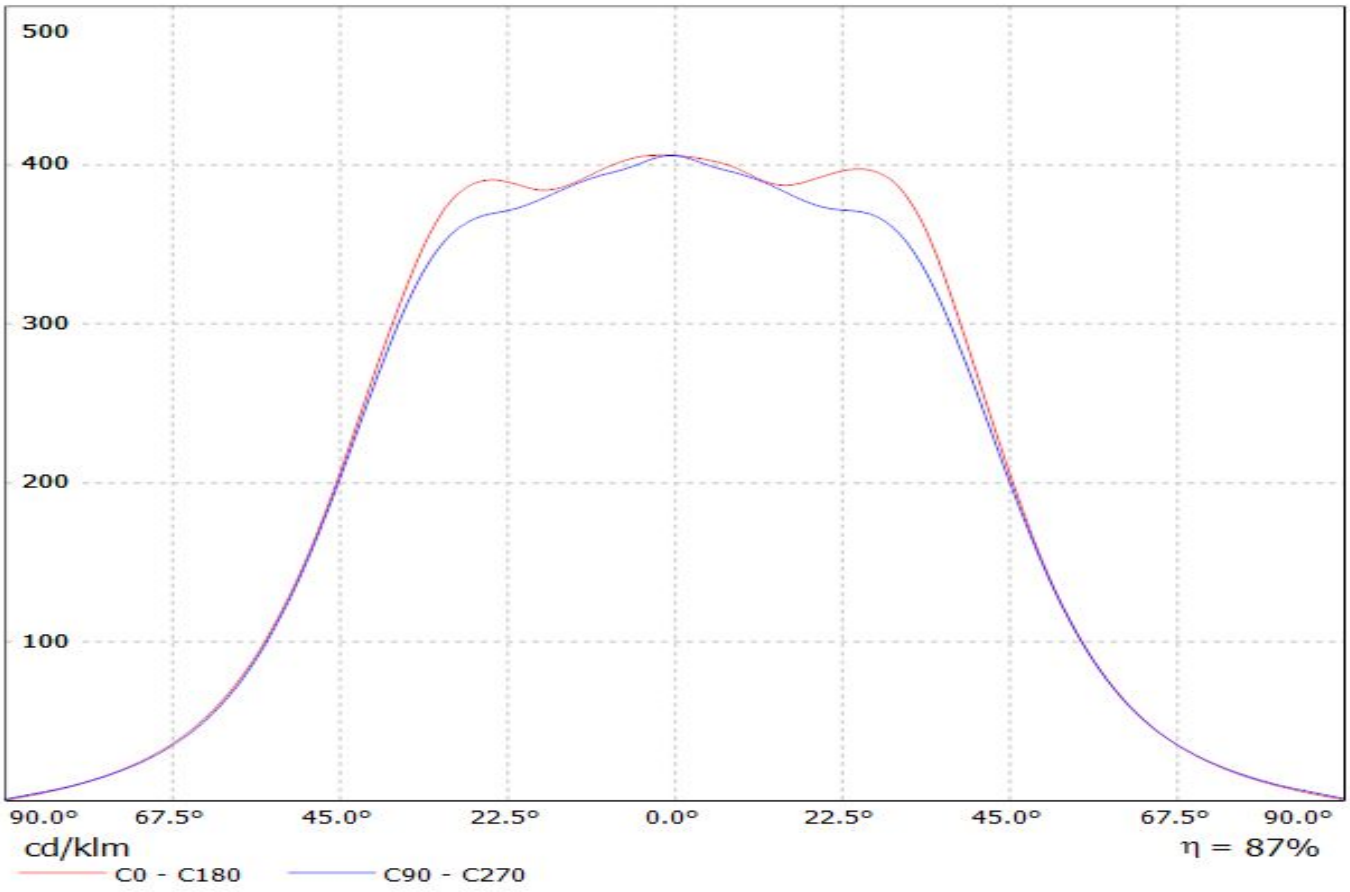
DRAWING TITLE
Datasheet_FLORENCE-Z

SIZE	PART NUMBER		
A3	MechanicalModel		
SCALE 1:1	WEIGHT (g)		SHEET 1/1

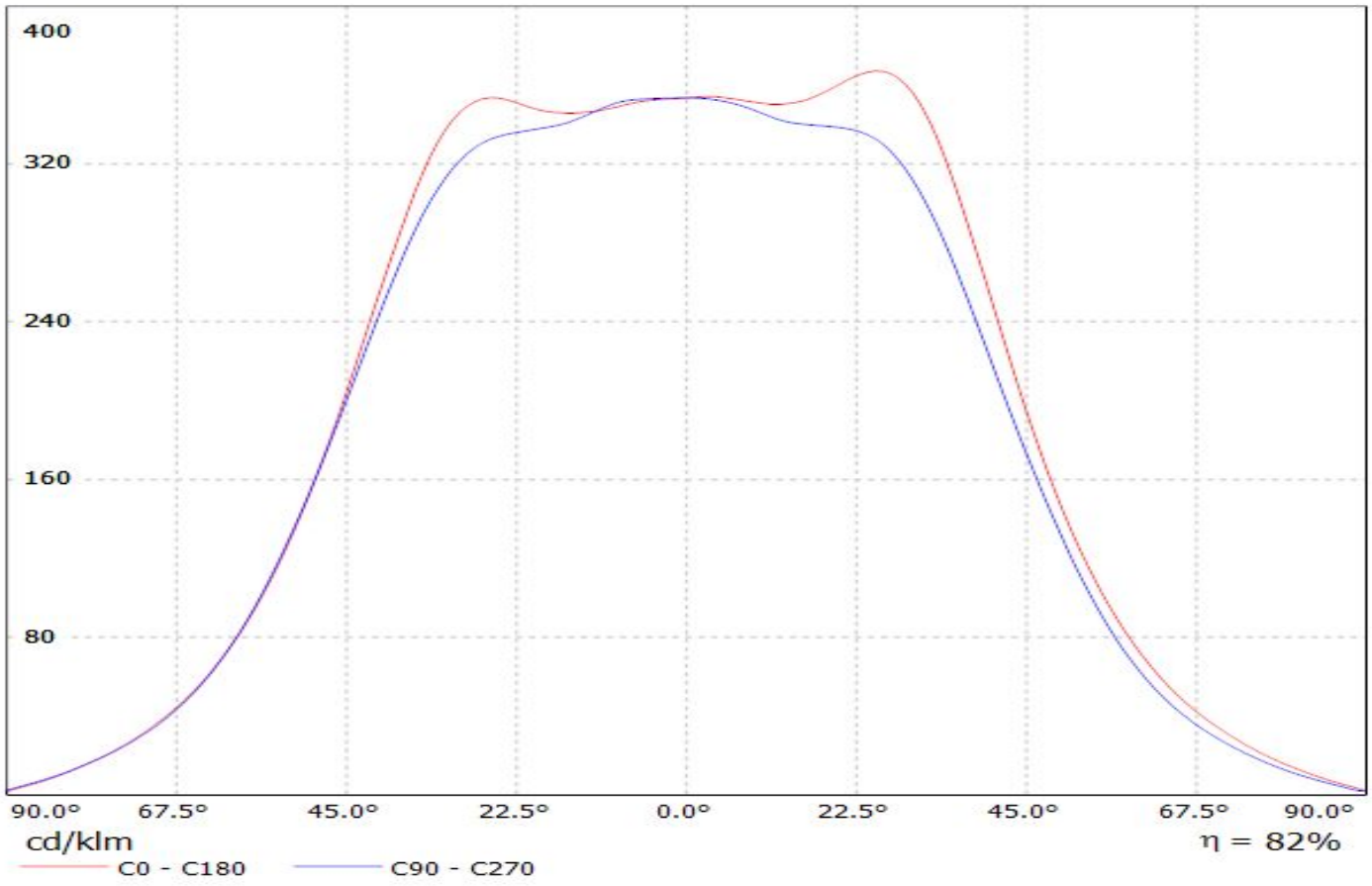
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(AVAGO 5630 0.5W)
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V



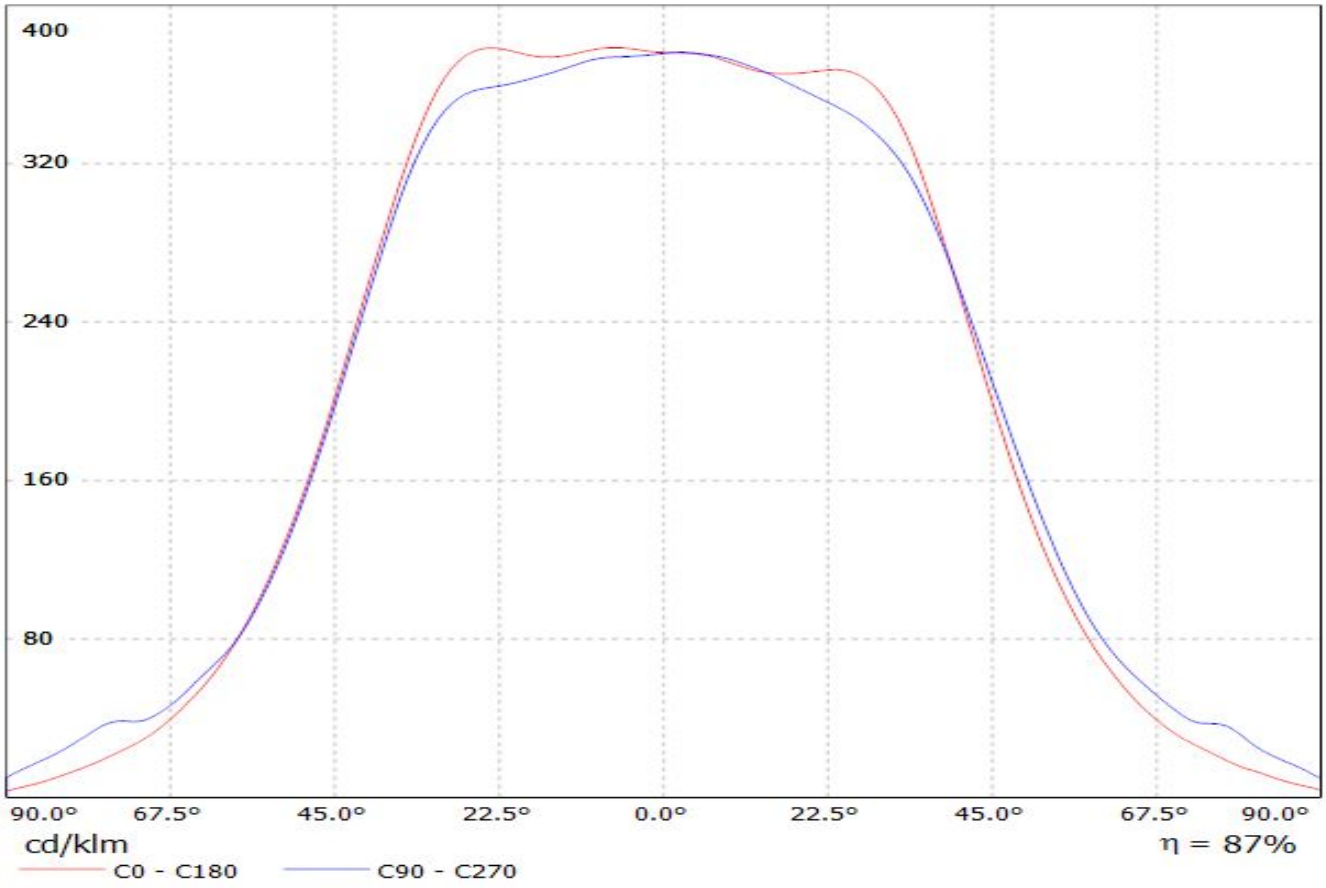
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(TRIDINO-R3)_GS
Lamps: 1 x Comet_Electronicsin_TRIDINO-R3-8x0-1100-1ft-HV_1299.6lm@250mA_P=8.07304W_I=0.250A



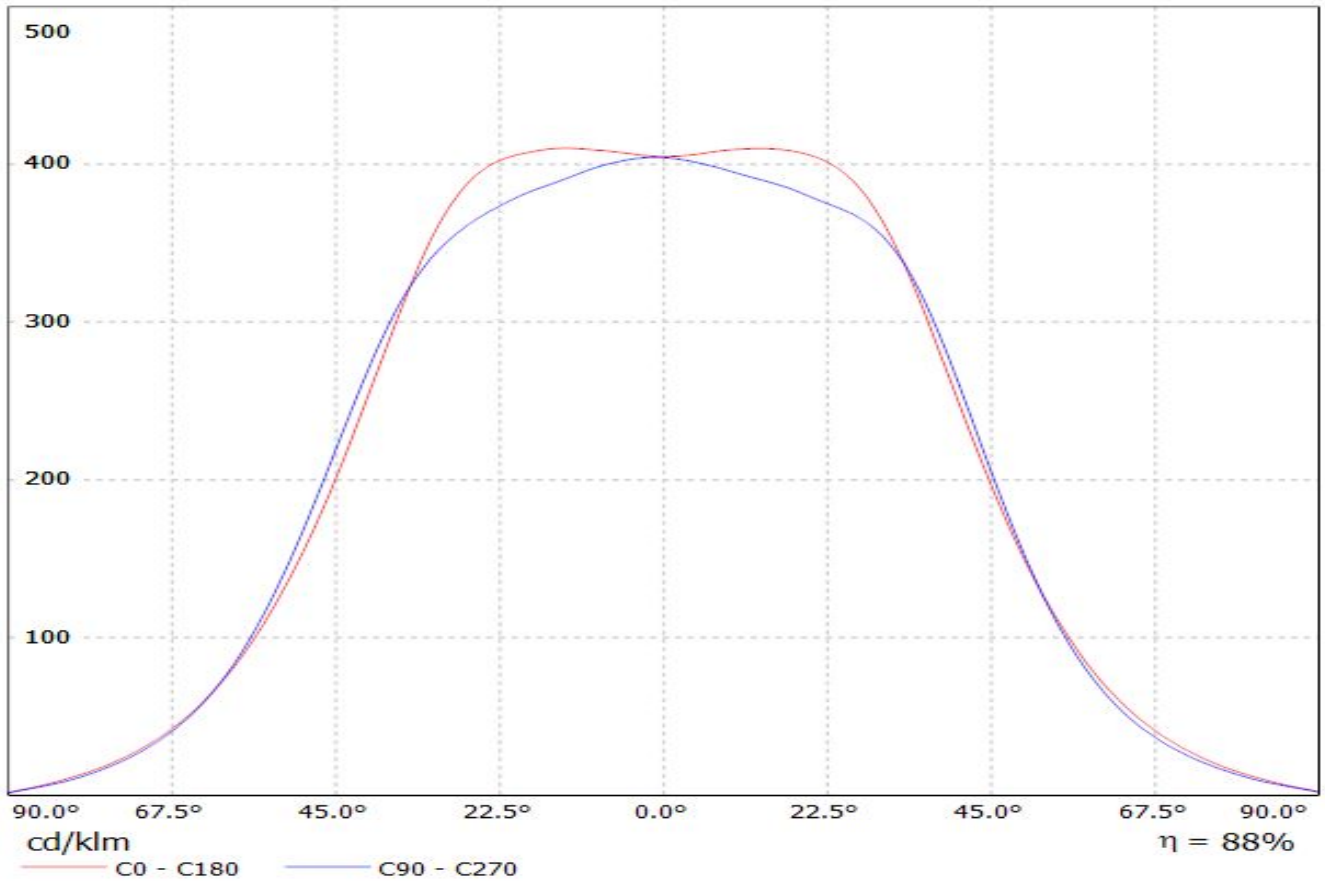
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(XH-B) EFF_81.8%
Lamps: 1 x CREE_XH-B_(XHGAWT-0-7B4-J30-0H-0001)
_1060.84lm@250mA_CCT=5000K_P=8W_I=249.8mA



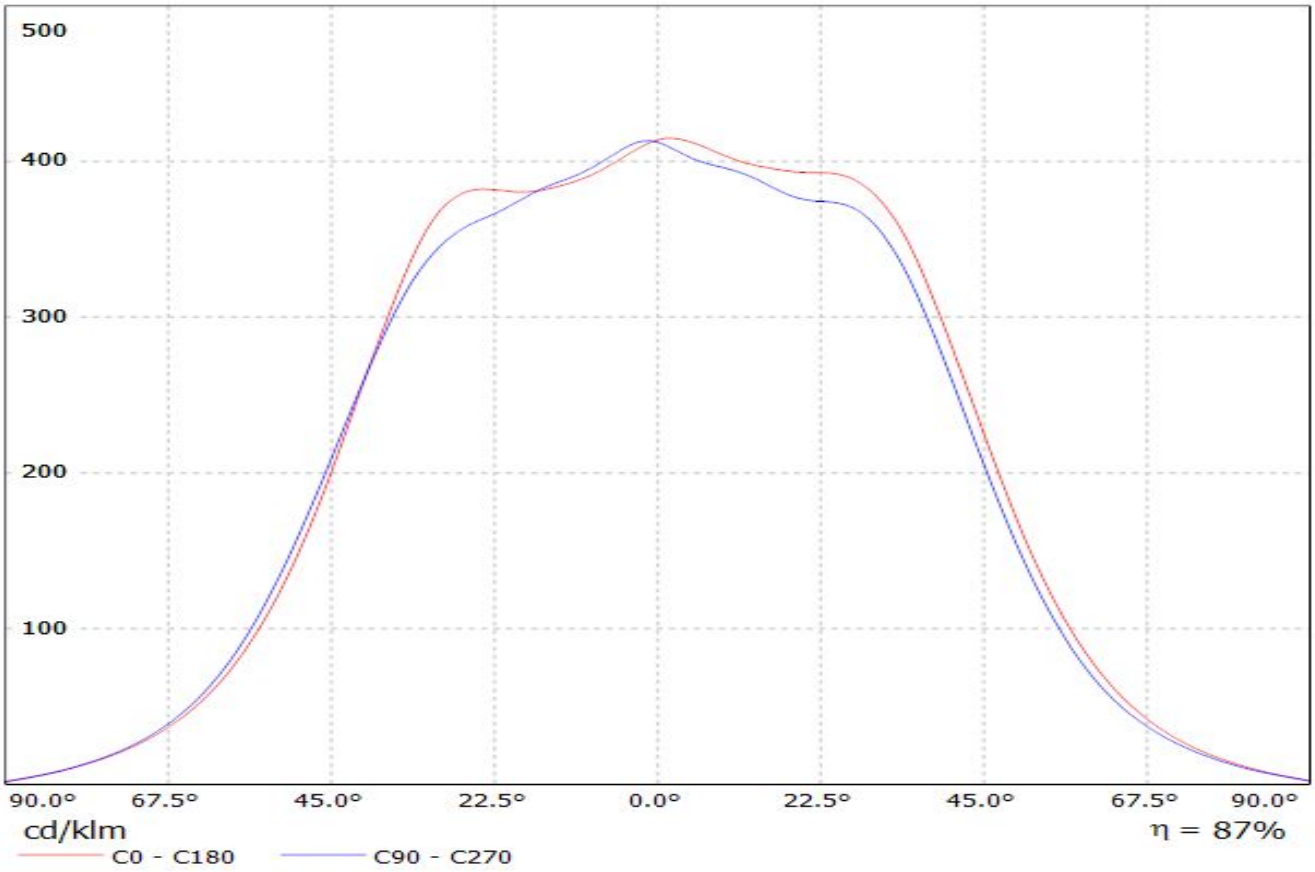
Luminaire: LEDiL Oy F13853_FLORENCE-Z90 (LG5630)
Lamps: 1 x FLORENCE_FORTIMO_(LG_5630)_1100lm@250mA P=8.41224W I=250.7mA



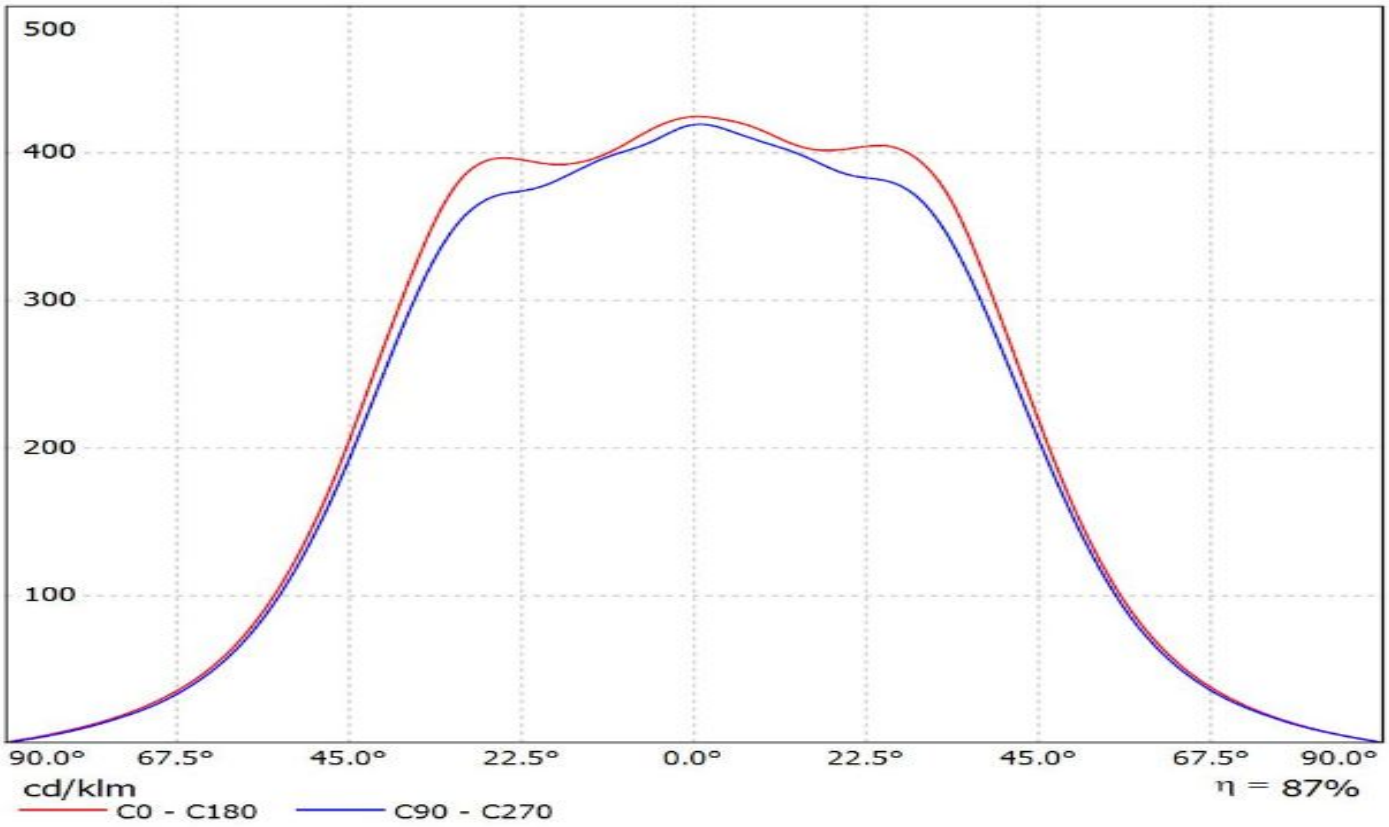
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_LG_6030) Eff.87.9%
Lamps: 1 x LG_6030_(LEWMS68T80HZ)_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA



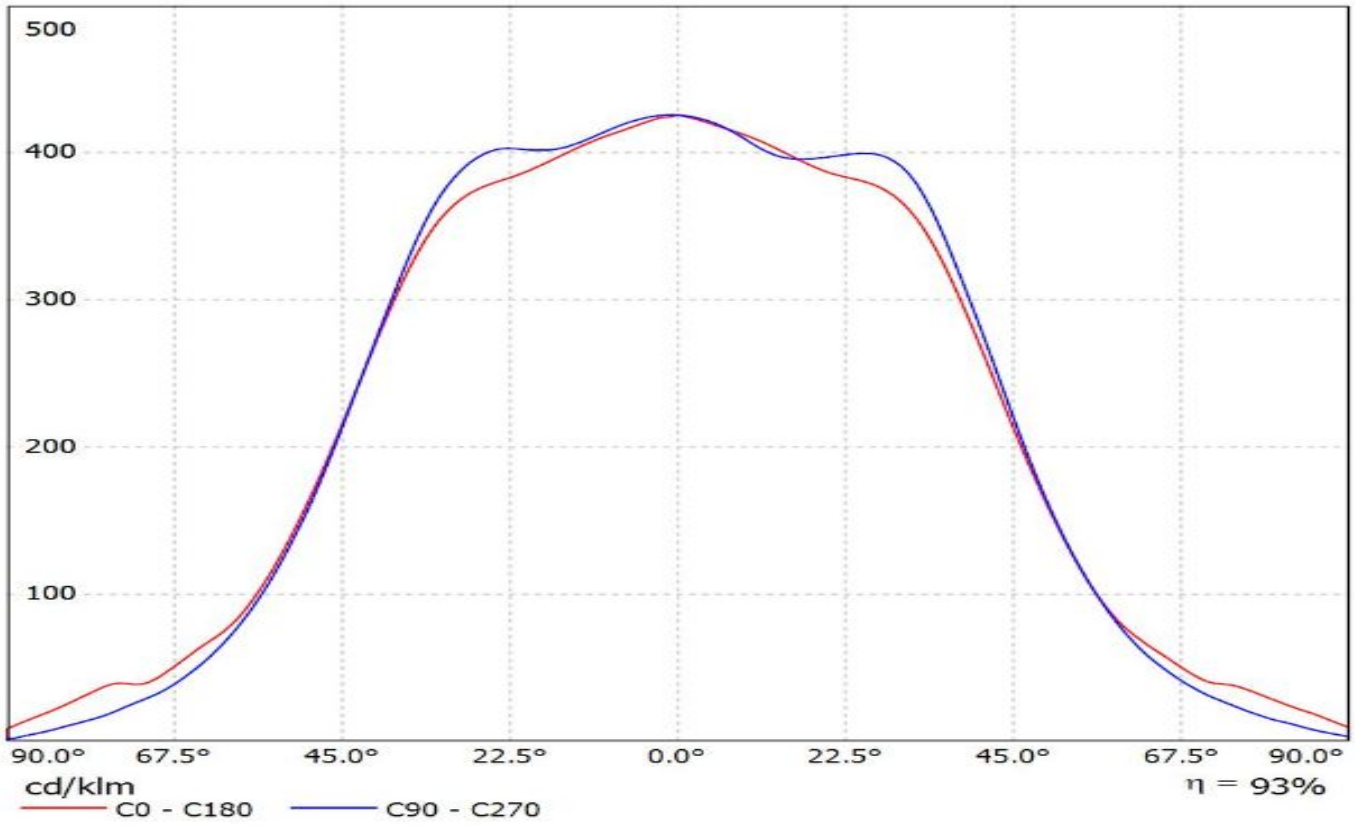
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(LUXEON_3535_2D) Eff.87.5%
Lamps: 1 x LUXEON_3535_2D_1513.88lm@200mA_P=12.7114W_I=199.9mA



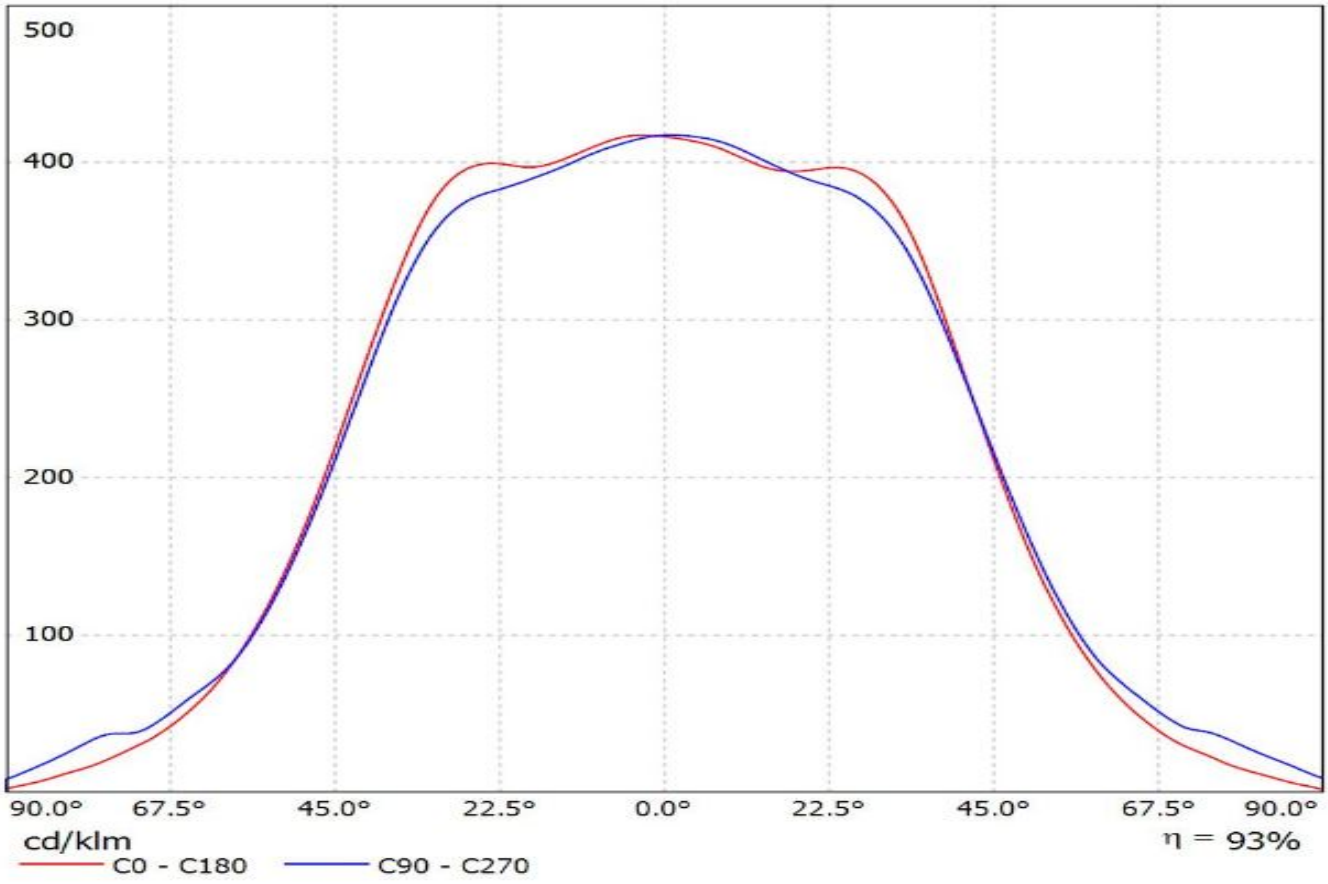
Luminaire: Ledil F13853_FLORENCE-Z90_(Luxeon_3030_2D)
Lamps: 1 x Luxeon_3030_2D_3x11_(L130-4080003000W21)
_2150lm@300mA_CCT=4000K_P=12.8W_I=0.3A



Luminaire: Ledil F13853_FLORENCE-Z90_(Luxeon_XR-3535L)
Lamps: 1 x Lumileds_Luxeon_XR-3535L_3x11_(L202--3080033C30001)
_1087.37lm@250mA_CCT=3000K_P=8.15W_I=0.25A

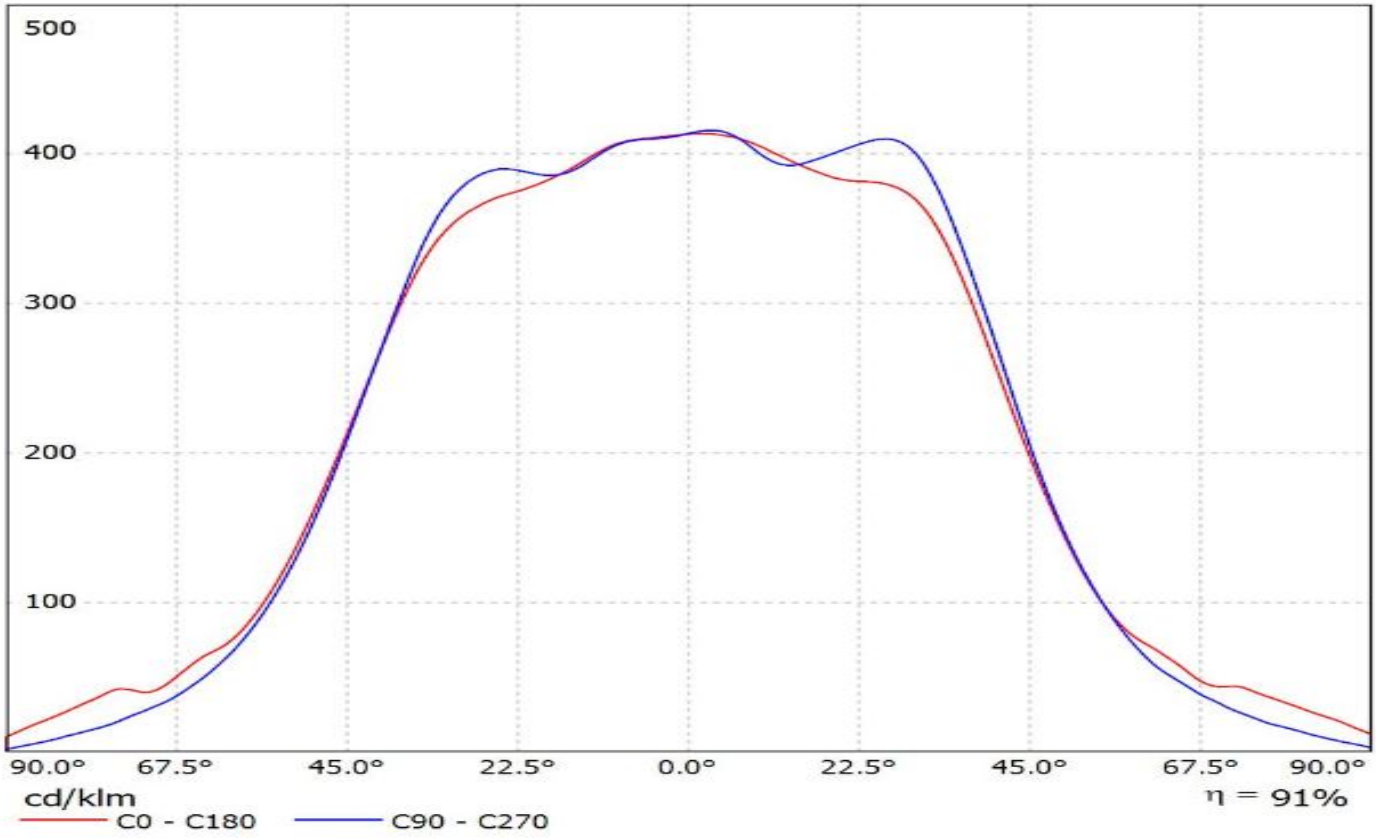


Luminaire: Ledil F13853_FLORENCE-Z90_(Luxeon 3535L HE)
Lamps: 1 x Luxeon 3535L HE 1290.2lm@250mA_P=7.7240W_I=0.25A

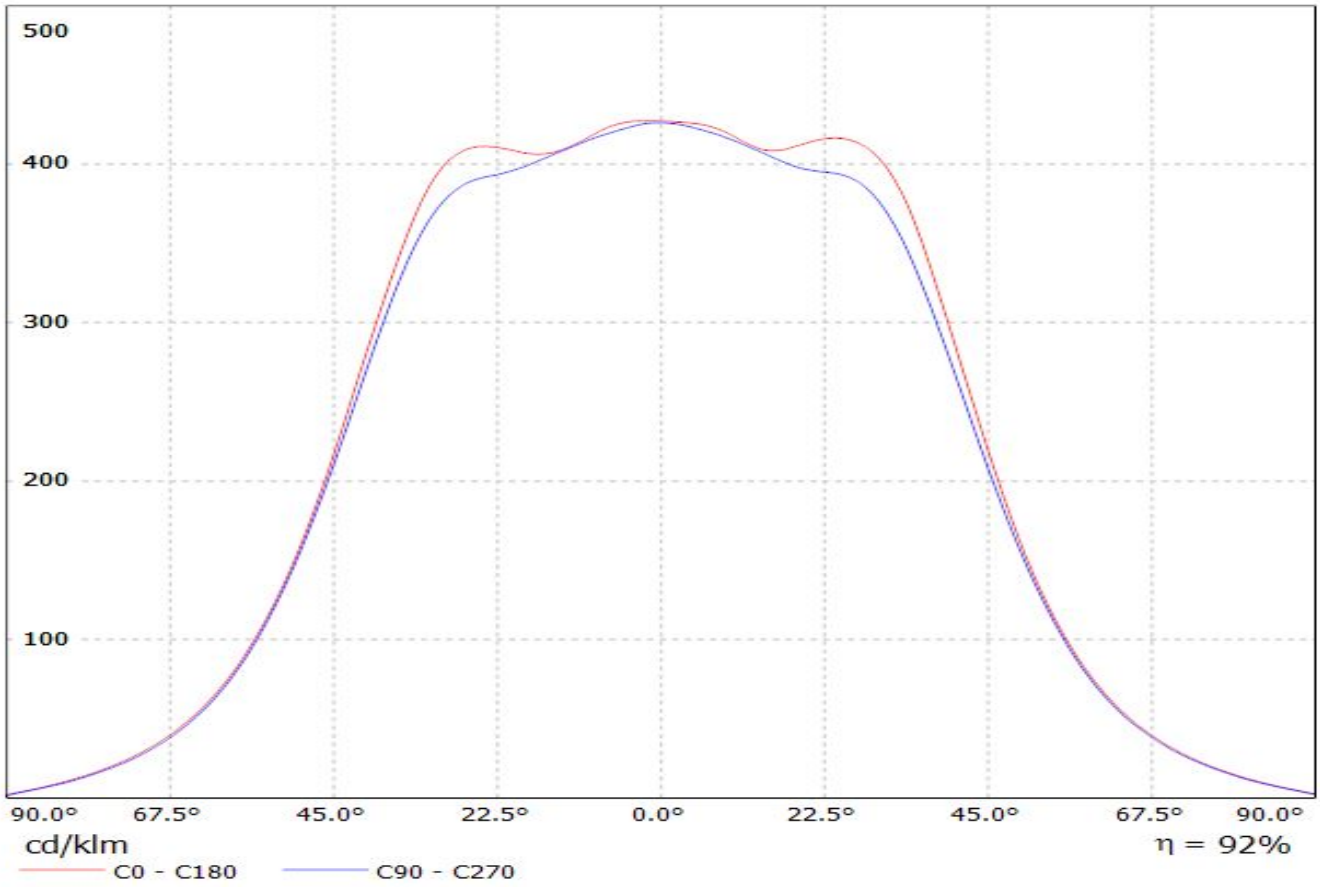


Ledil F13853_FLORENCE-Z90_(MP-2016) / LDC (Linear)

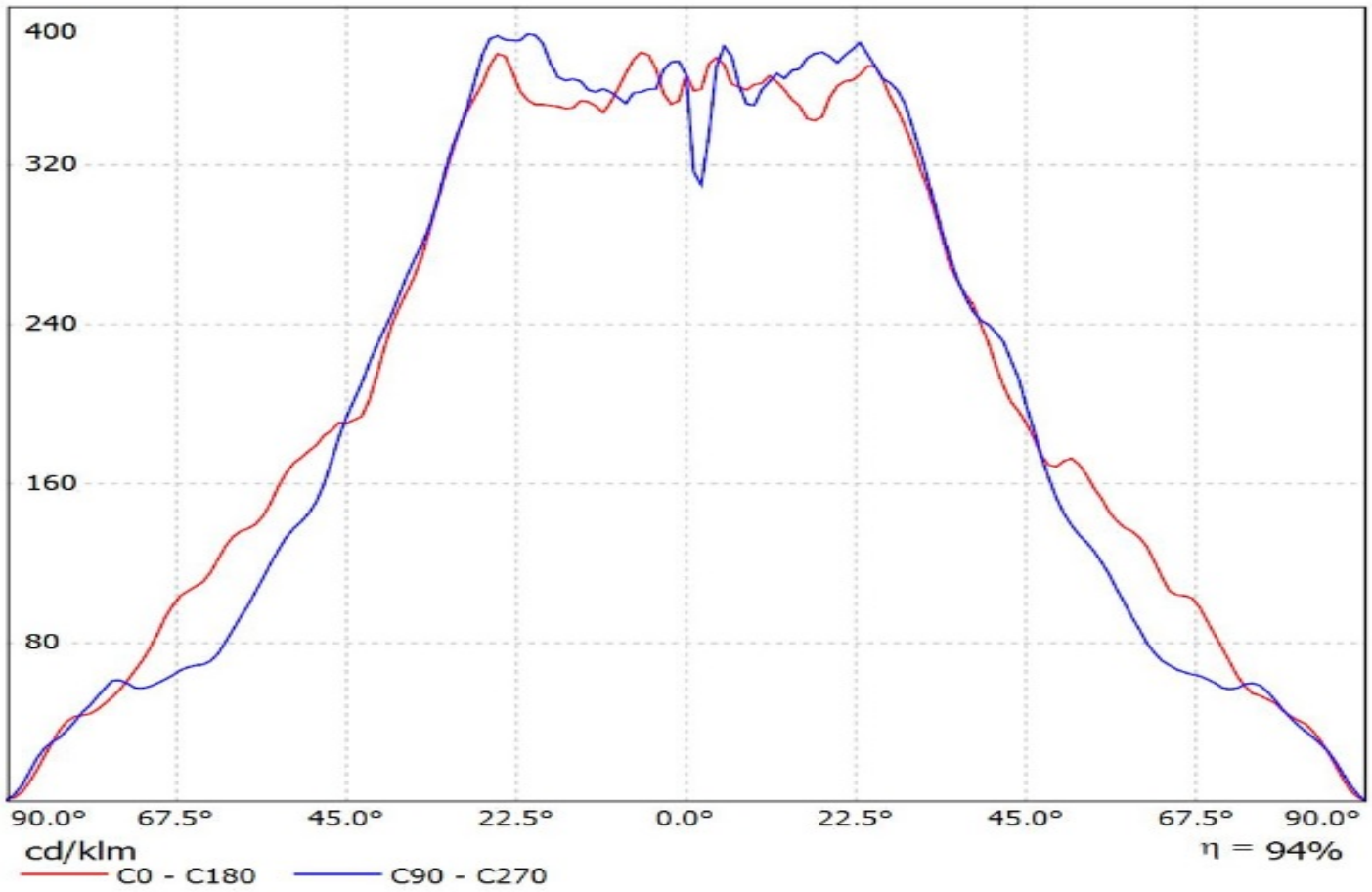
Luminaire: Ledil F13853_FLORENCE-Z90_(MP-2016)
Lamps: 1 x Luminus_MP-2016_x22_(LUMMP-1100-30-80)_715.864lm@180mA_P=6W_I=0.18A



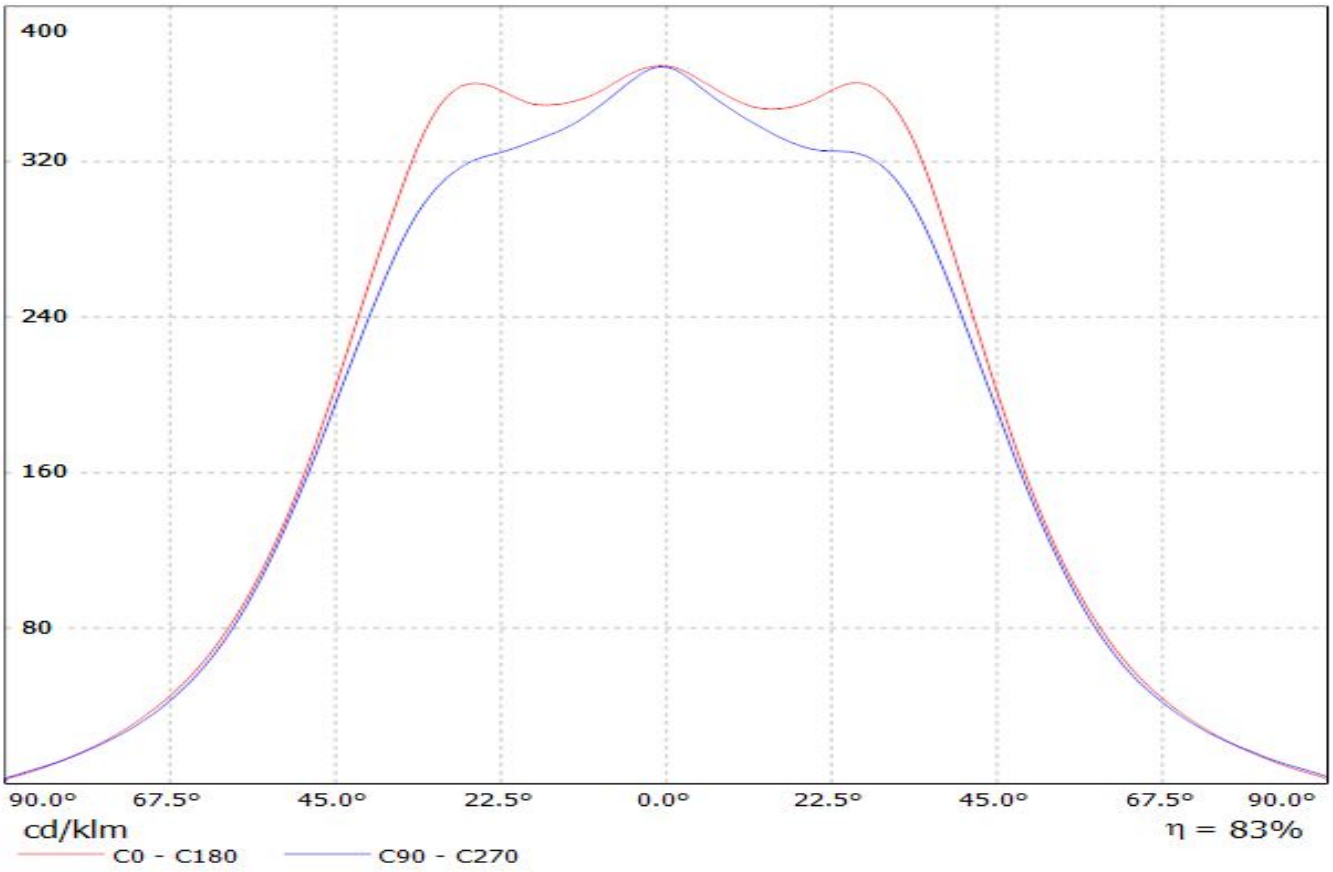
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(NICHIA757)
Lamps: 1 x NICHIA757 (NT2W757DRT) 1387lm@150mA



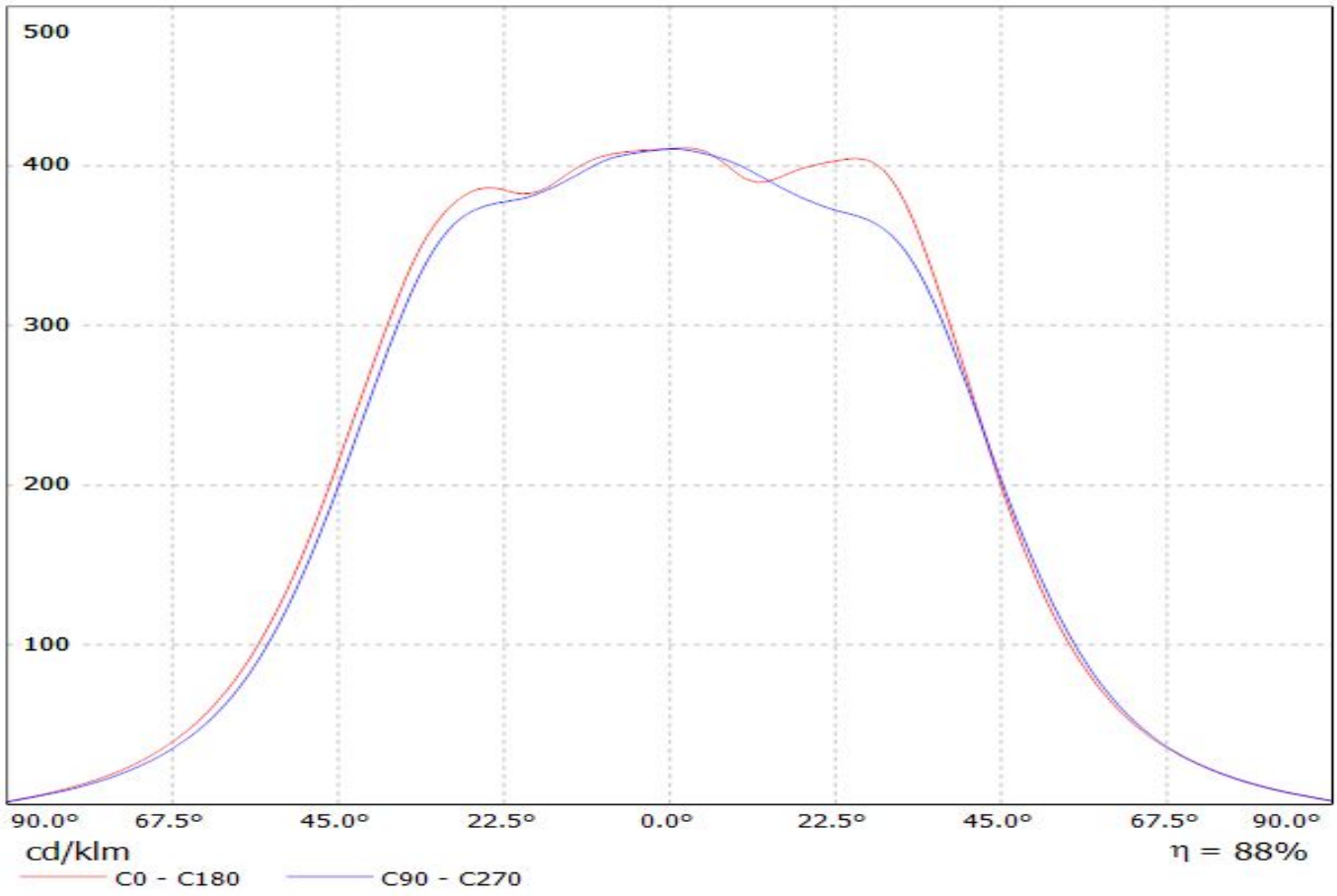
Luminaire: Ledil Oy F13853_FLORENCE-Z90_NVSLE21A_SIMULATED
Lamps: 1 x NICHIA NVSLE21A



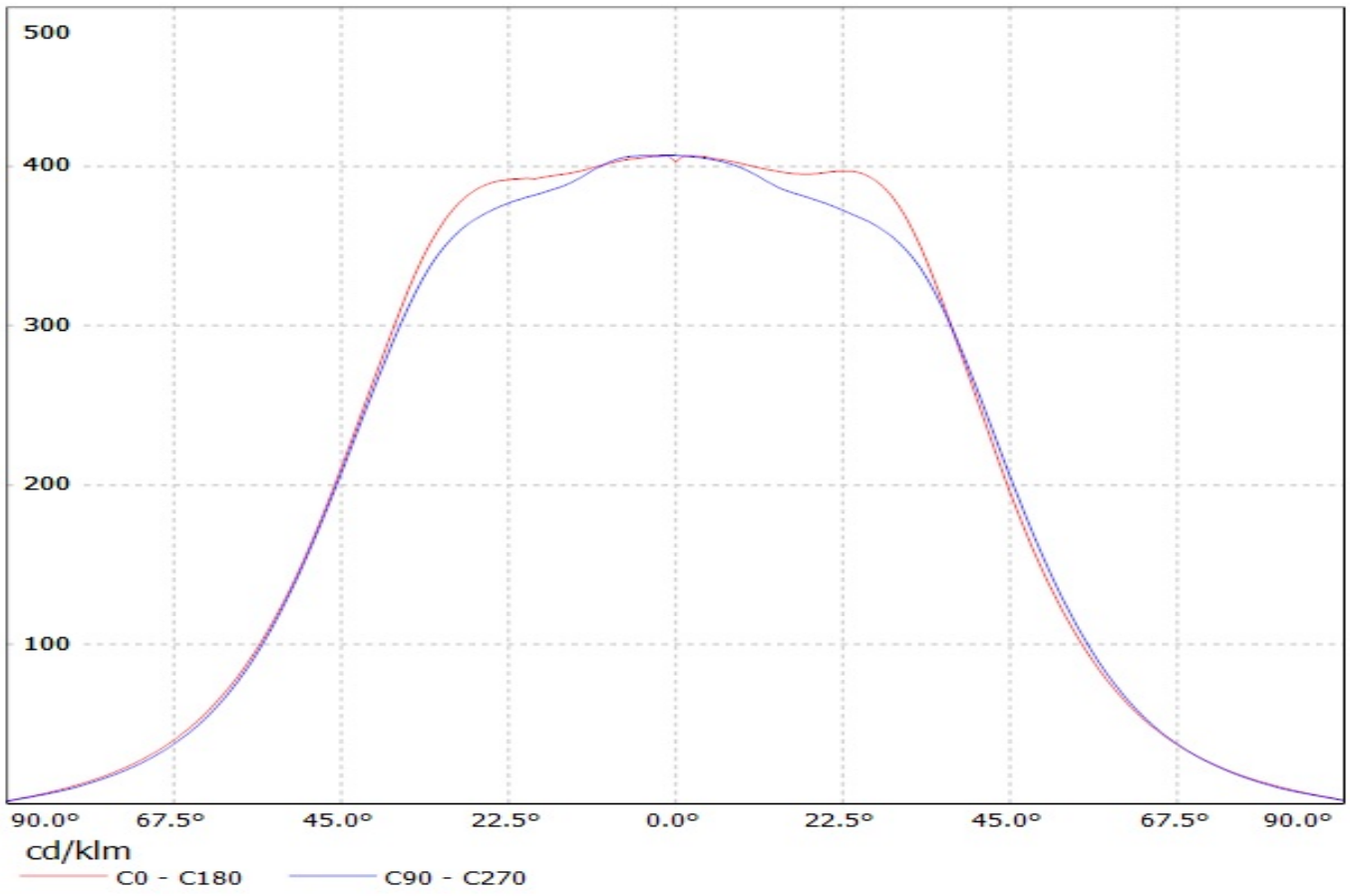
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(DURIS_P5)
Lamps: 1 x OSRAM_DURIS_P5_747.995lm@250mA_P=7.78777W_I=249.8mA



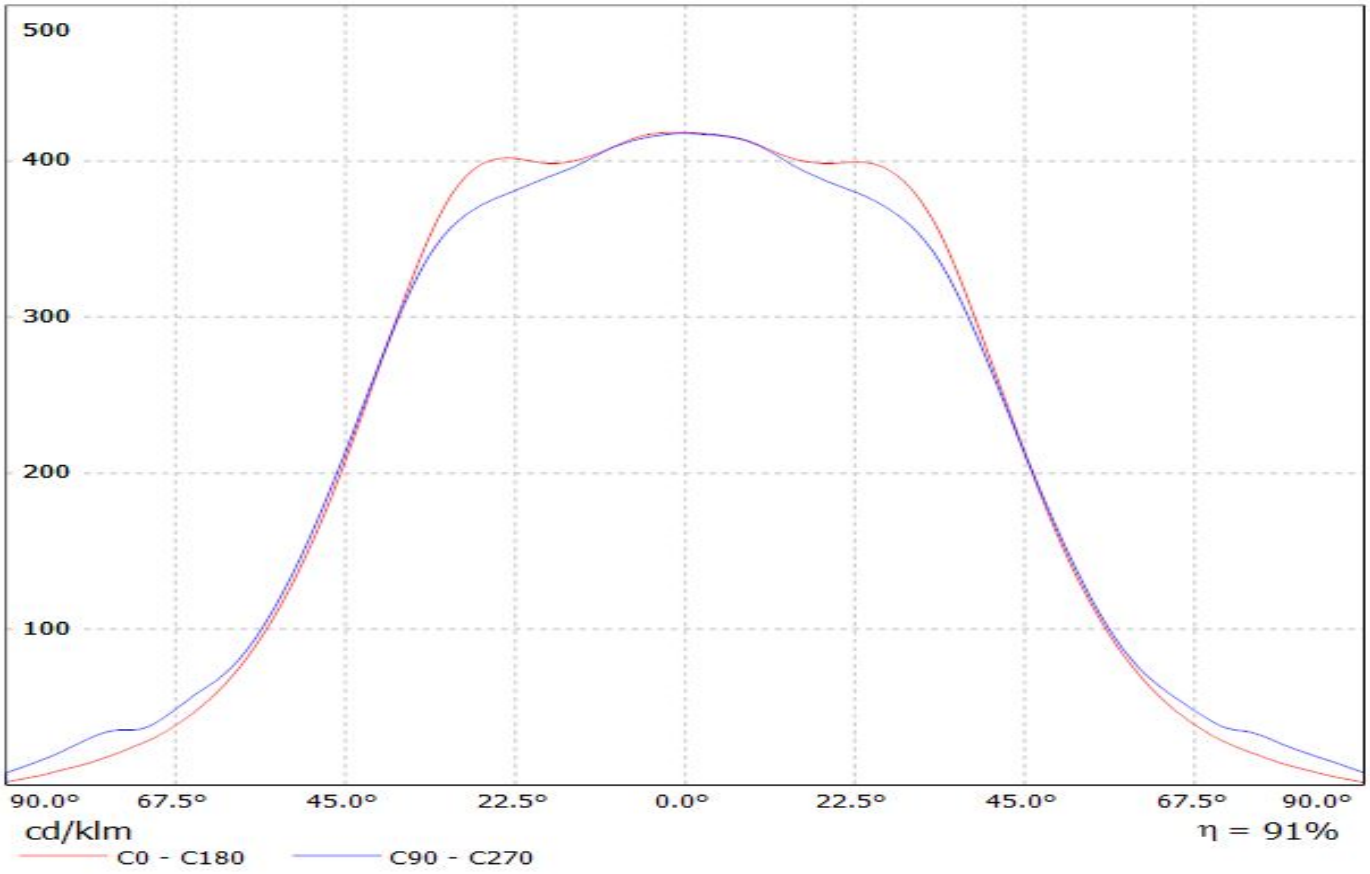
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(DURIS_S5) Eff.87.5%
Lamps: 1 x DURIS_S5_500.39lm@120mA_P=3.76814W_I=120.1mA



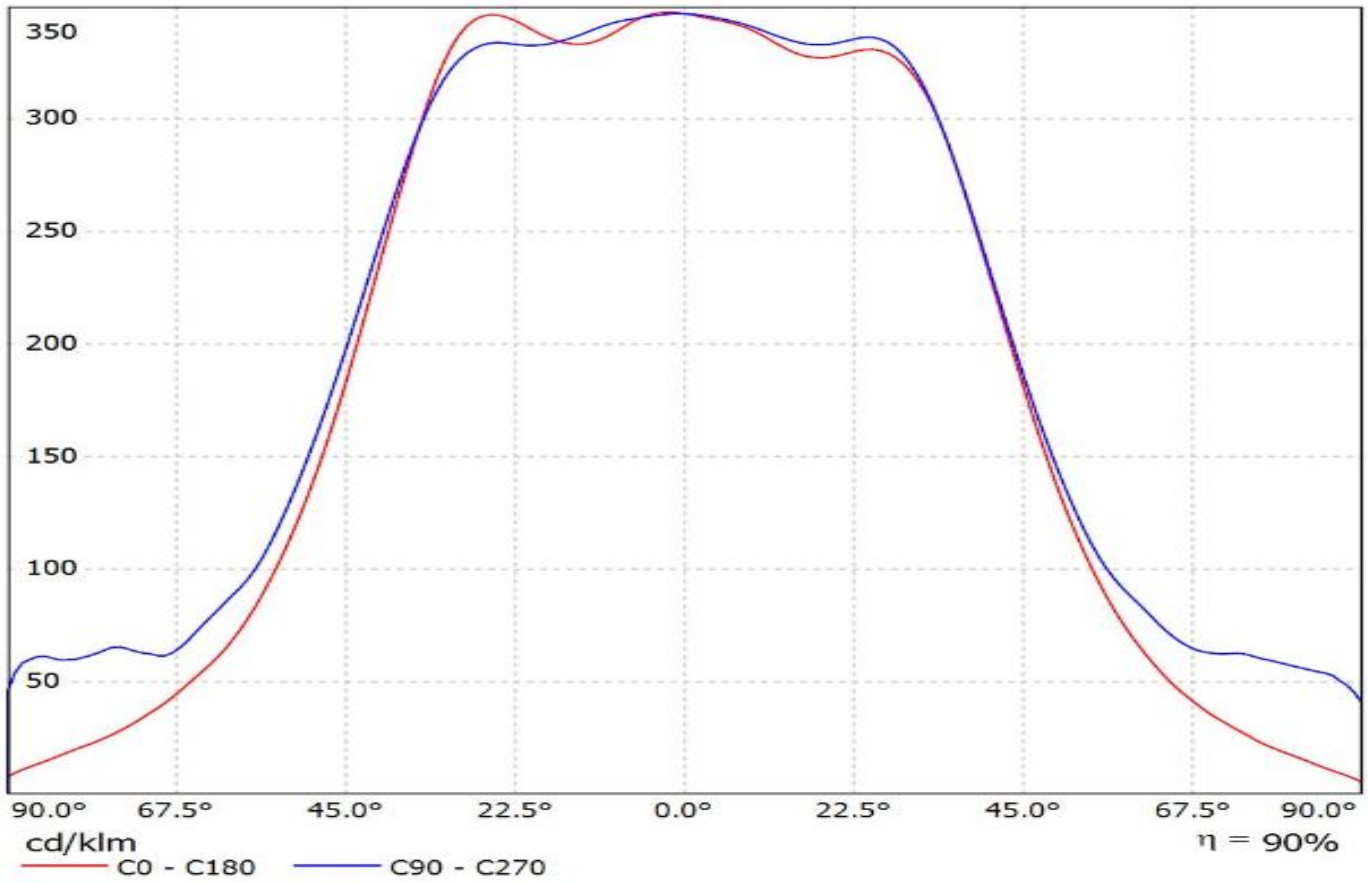
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(DURIS_E5) Eff: 88%
Lamps: 1 x Osram_DURIS_E5_567.032lm@120mA_P=3.6693W_I=120.1mA



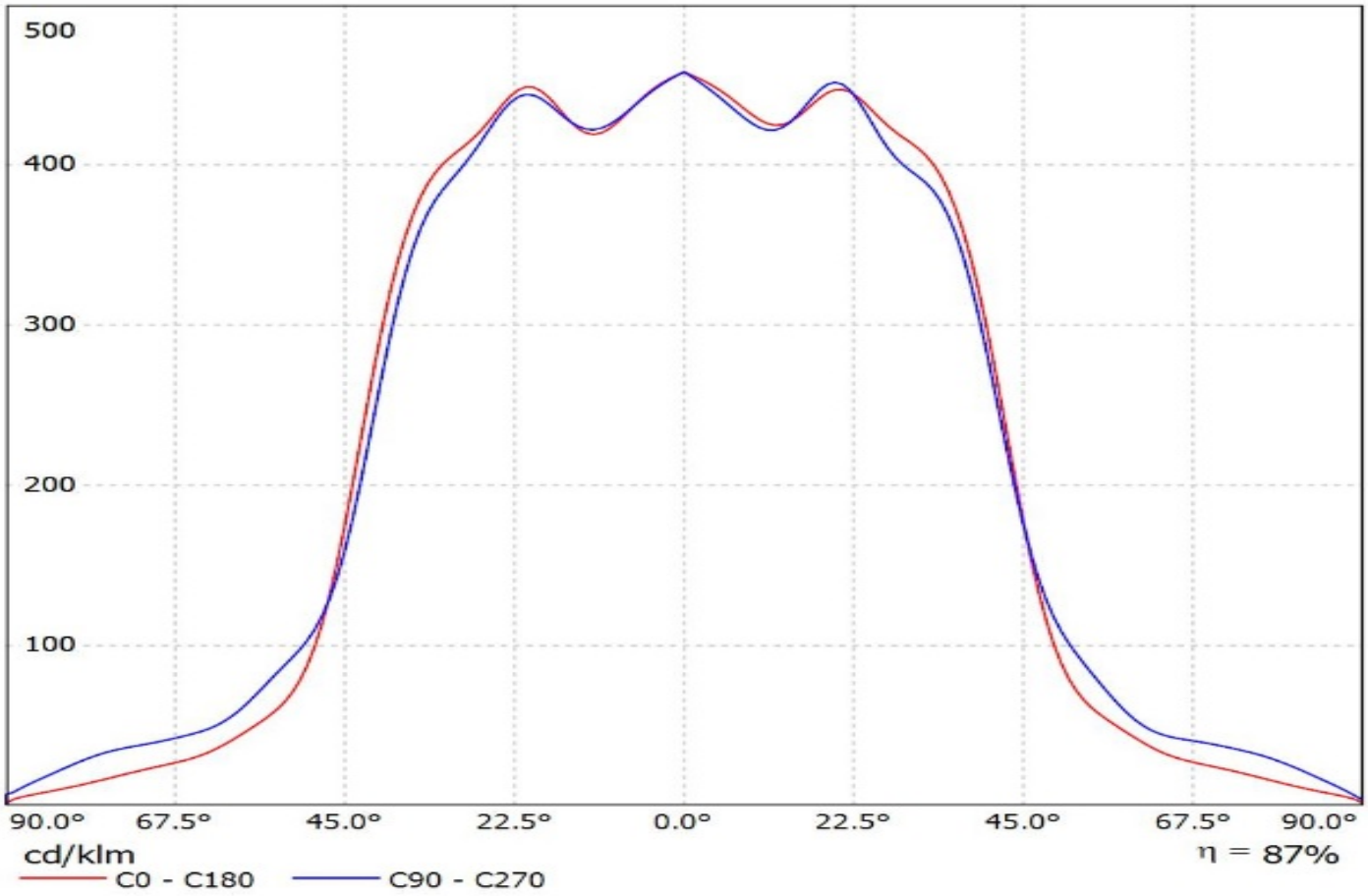
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(Osram_PLG2-BAR)
Lamps: 1 x Osram_PLG2-BAR -1100-830-280x55-DC_1021.93lm@225mA_P=7.1643W_I=0.225A



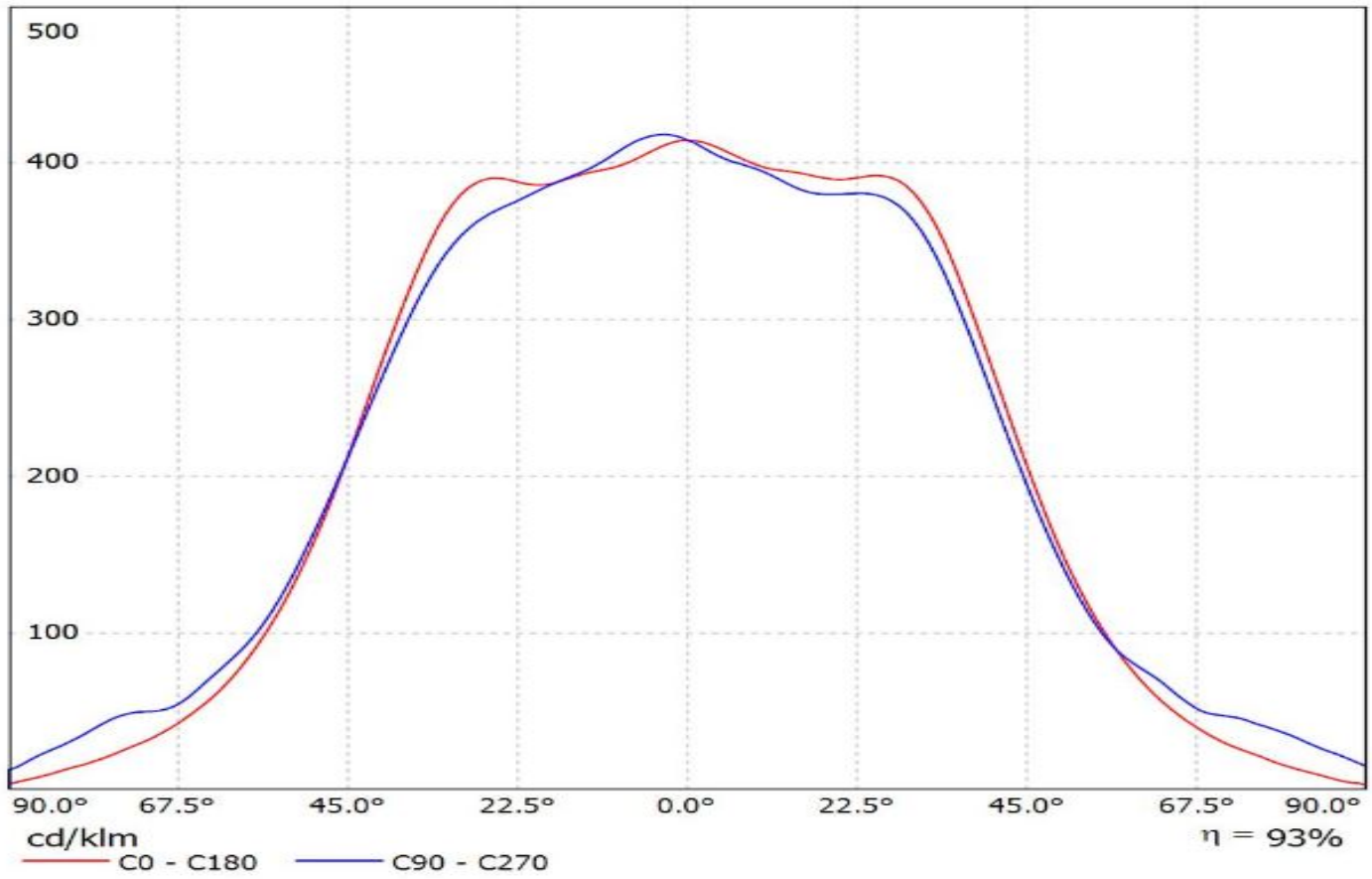
Luminaire: Ledil F13853_FLORENCE-Z90_(Duris_S2)
Lamps: 1 x Osram_Duris-S2_3x11_(GW SBLMA1.EM-GUHQ-XX37-L1N2)
_876.783lm@195mA_CCT=3000K_P=6.3082W_I=0.195A



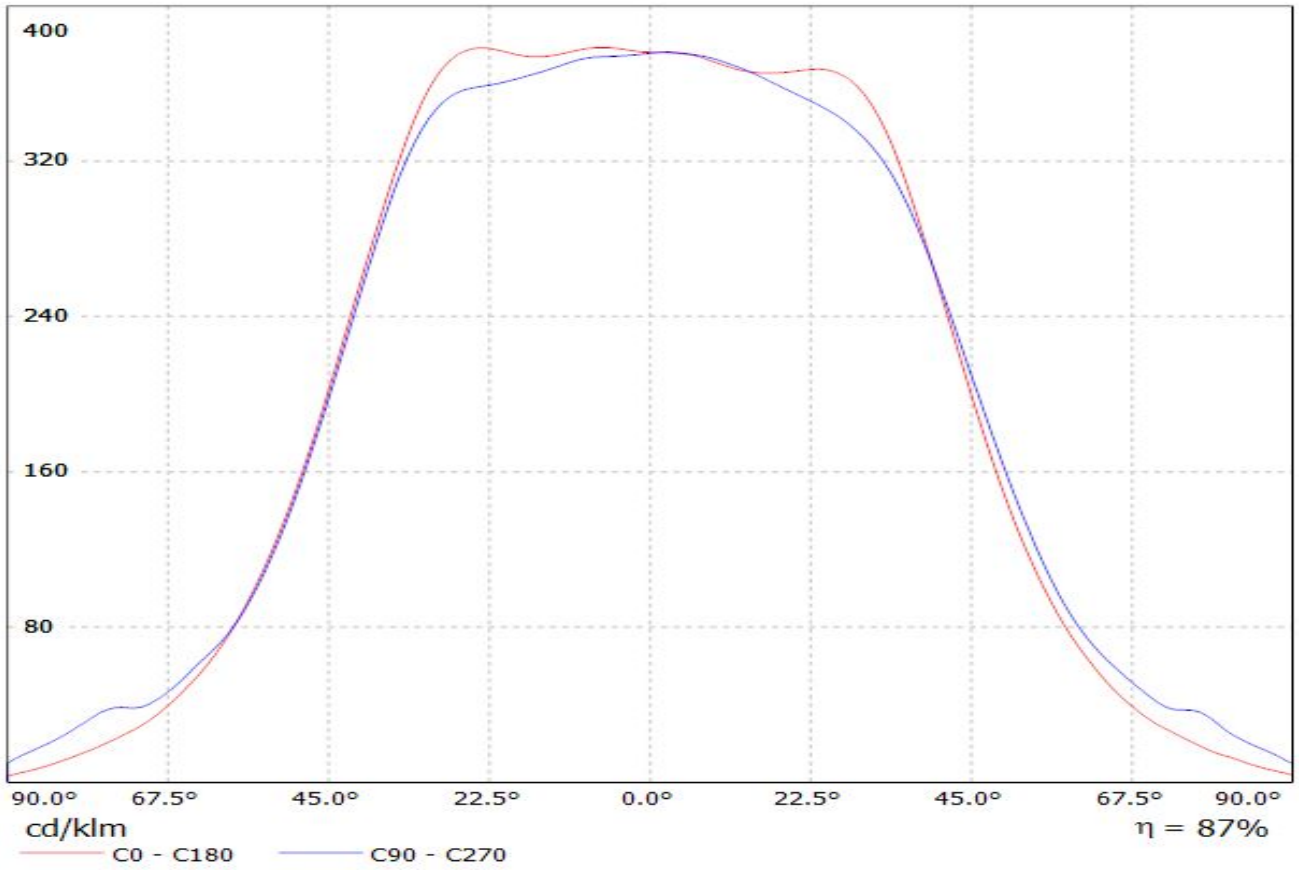
Luminaire: Ledil Oy F13853_FLORENCE-Z90_(Duris_E_2835)_SIMULATED
Lamps: 1 x Osram Duris E 2835 - GW JTLRS1.EM



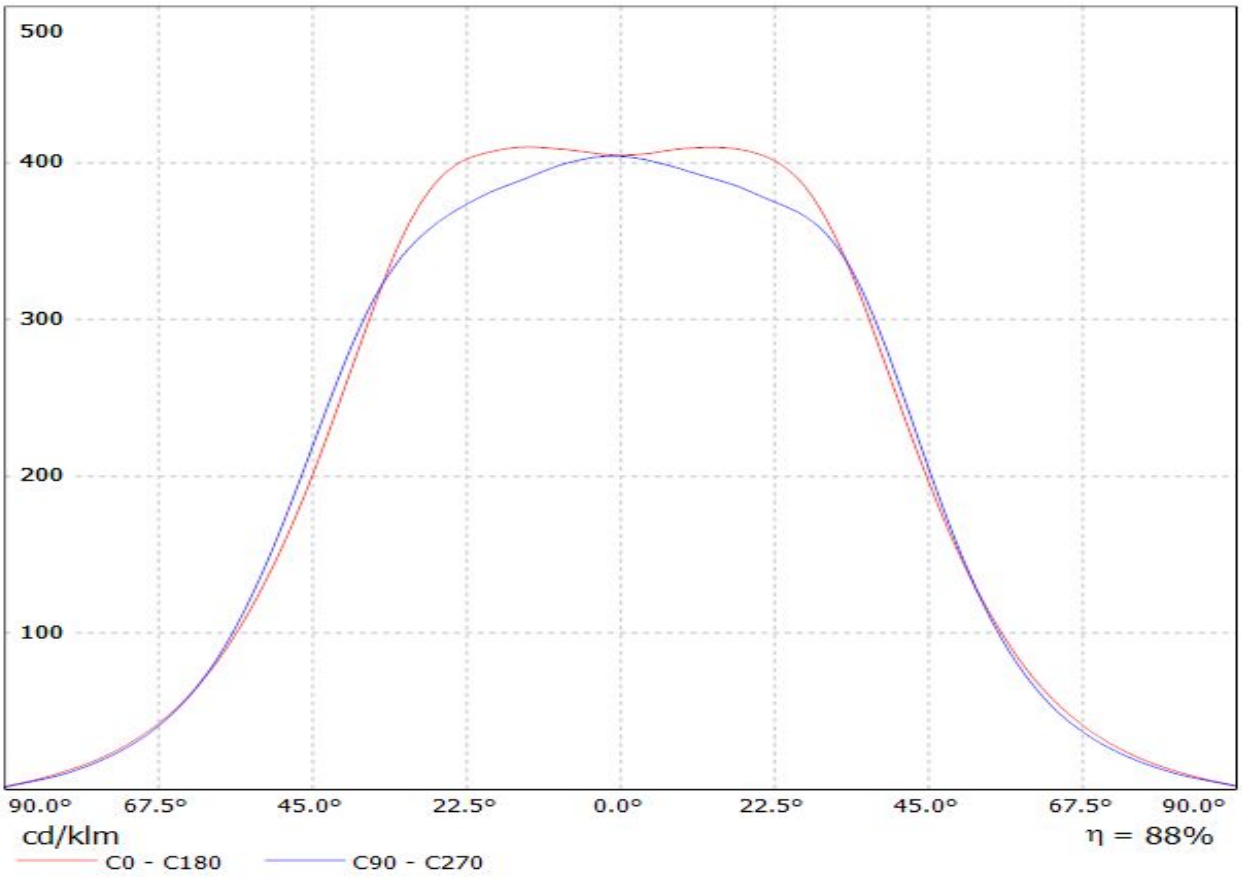
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(Oslon_Square_Gen3)
Lamps: 1 x Osram_Oslon_Square_Gen3_(GW_CSSRM2.EM)
_1246.56lm@250mA_P=7.4303W_I=0.250A



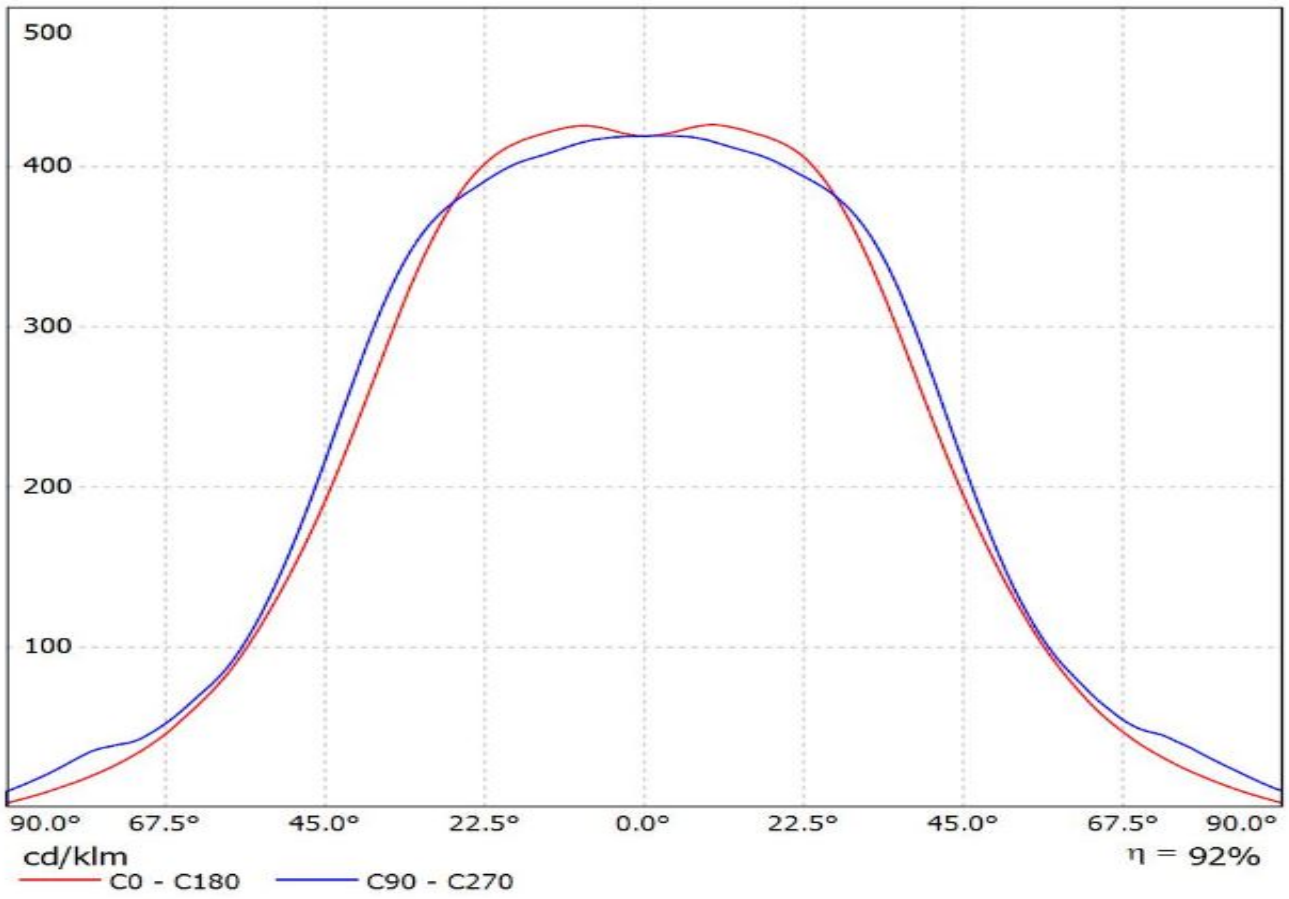
Luminaire: LEDiL Oy F13853_FLORENCE-Z90
Lamps: 1 x PHILIPS Fortimo LED Line 1ft 650lm 840 3R HV2 1100lm@250mA P=8.41224W I=250.7mA



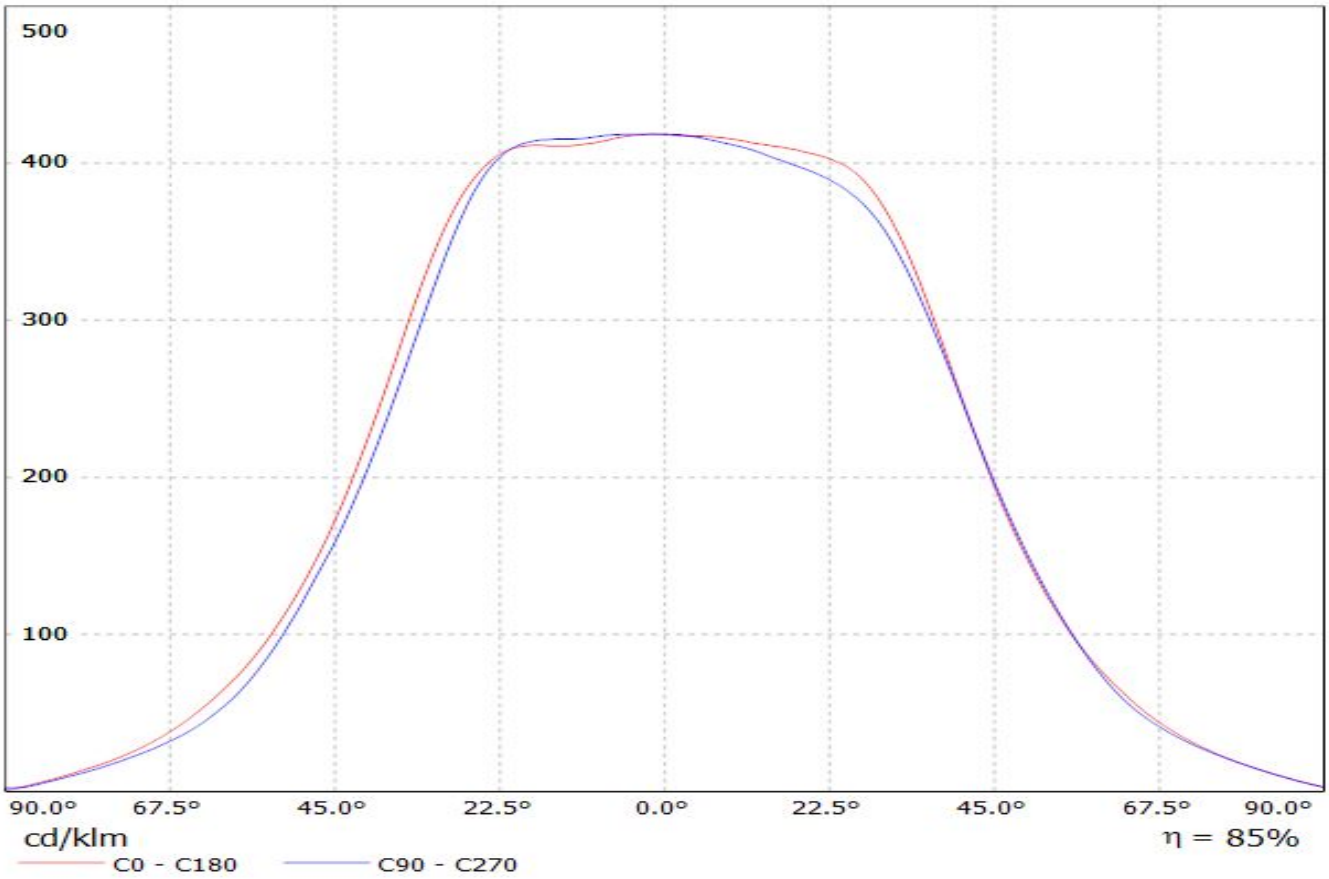
Luminaire: LEDiL Oy F13853_FLORENCE-Z90 Eff.87.9%
Lamps: 1 x Fortimo_LED_Line_1ft_1100lm_3R_HV2_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA



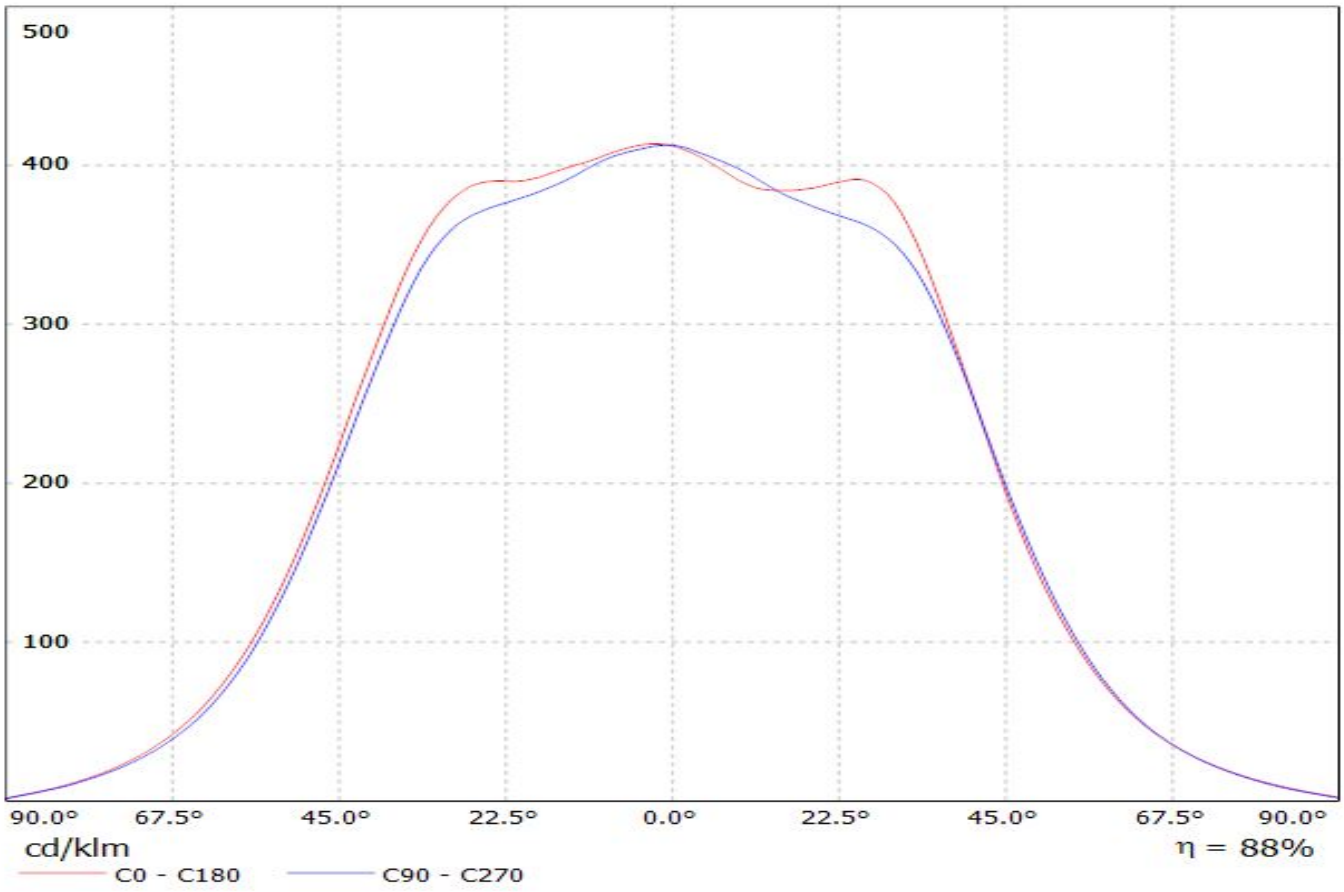
Luminaire: Ledil F13853_FLORENCE-Z90_(Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2)
Lamps: 1 x Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2_1229.9lm@250mA_CCT=3000K_P=7.5790W_I=0.25A



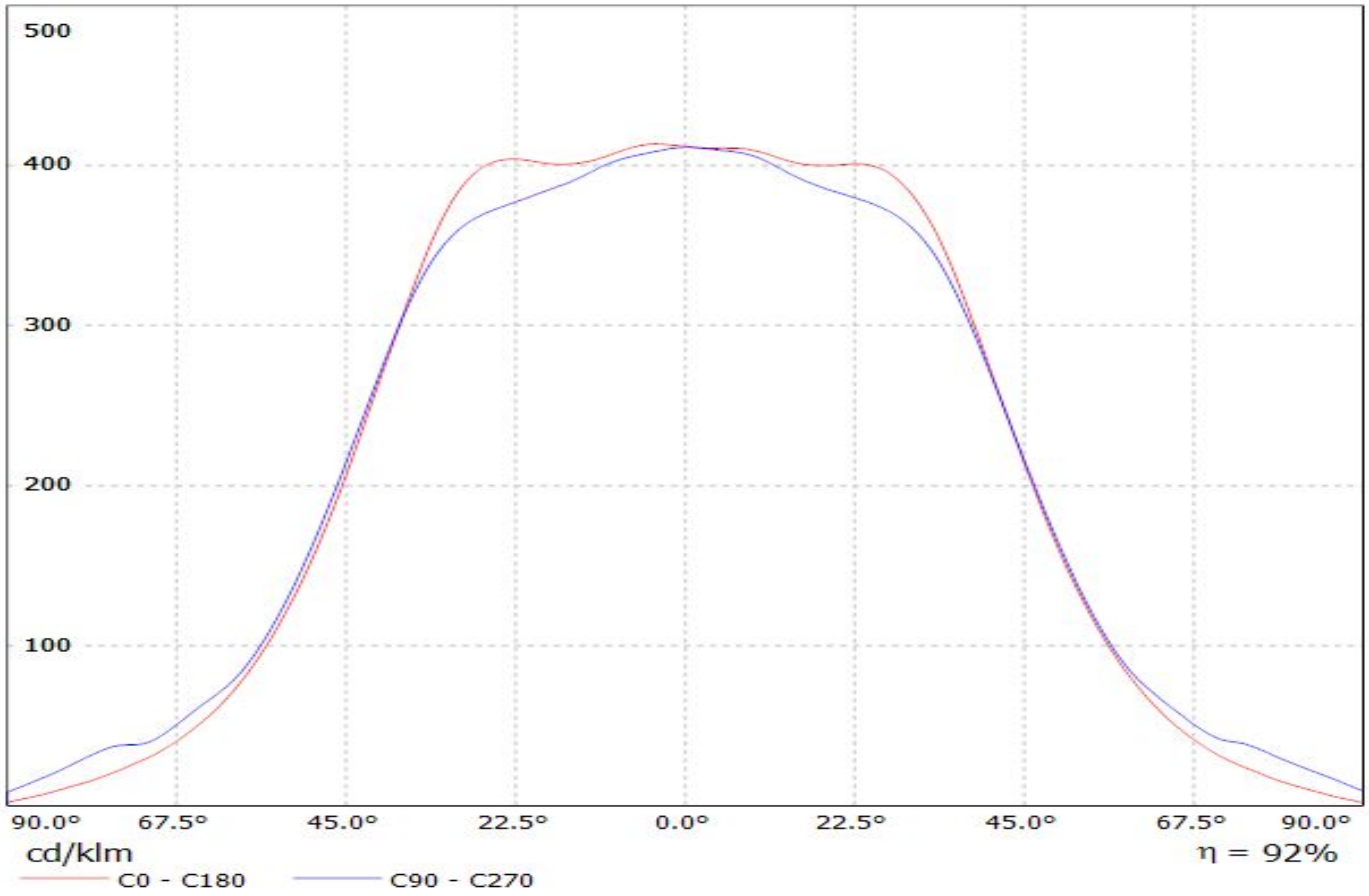
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(SAMSUNG_LM561B)
Lamps: 1 x SAMSUNG_LM561B_679.266lm@150mA_P=4.6185W_I=150mA



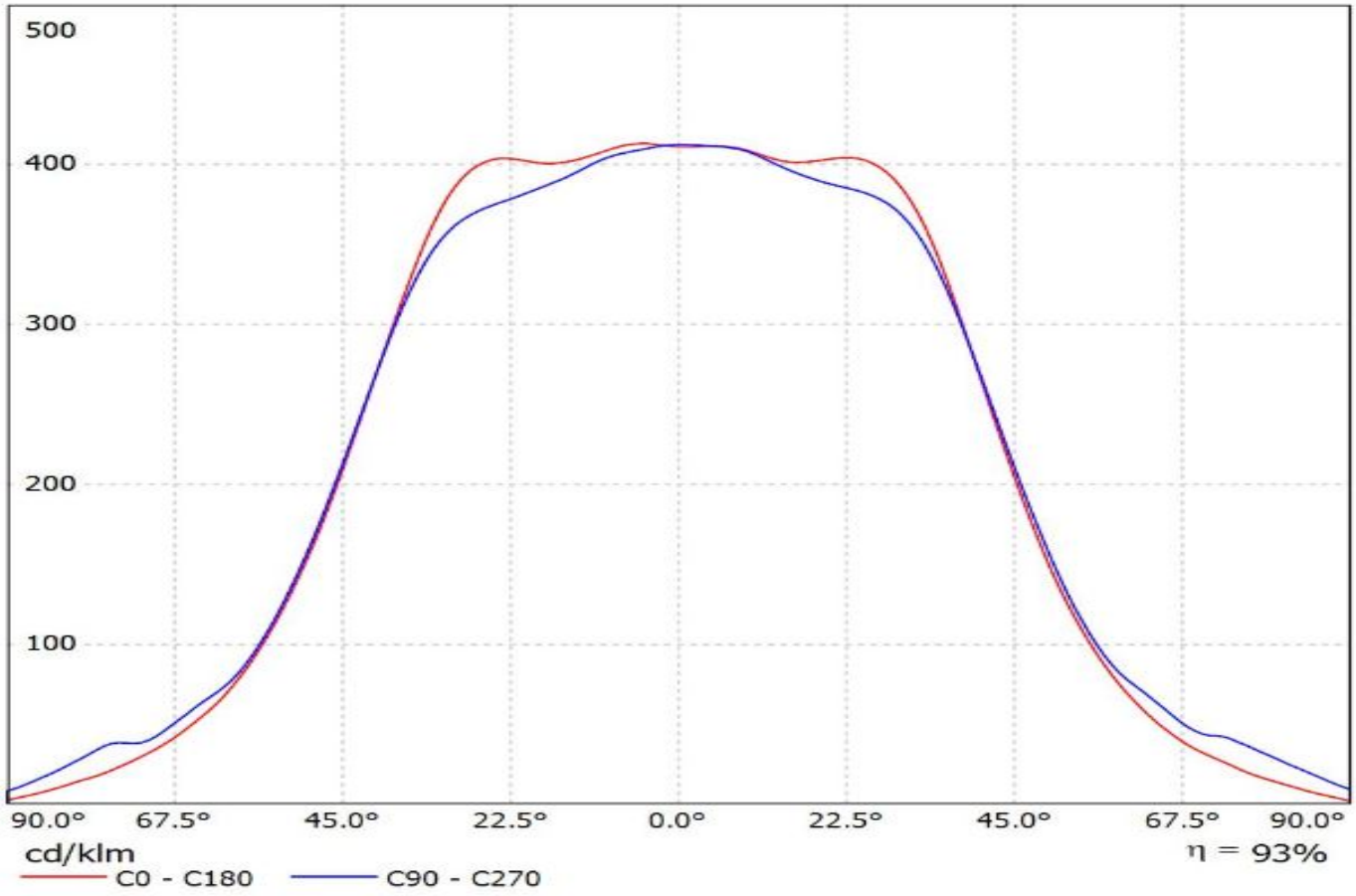
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(LM231B) Eff.87.6%
Lamps: 1 x SAMSUNG_LM231B_571.834lm@150mA_P=4.62435W_I=150mA



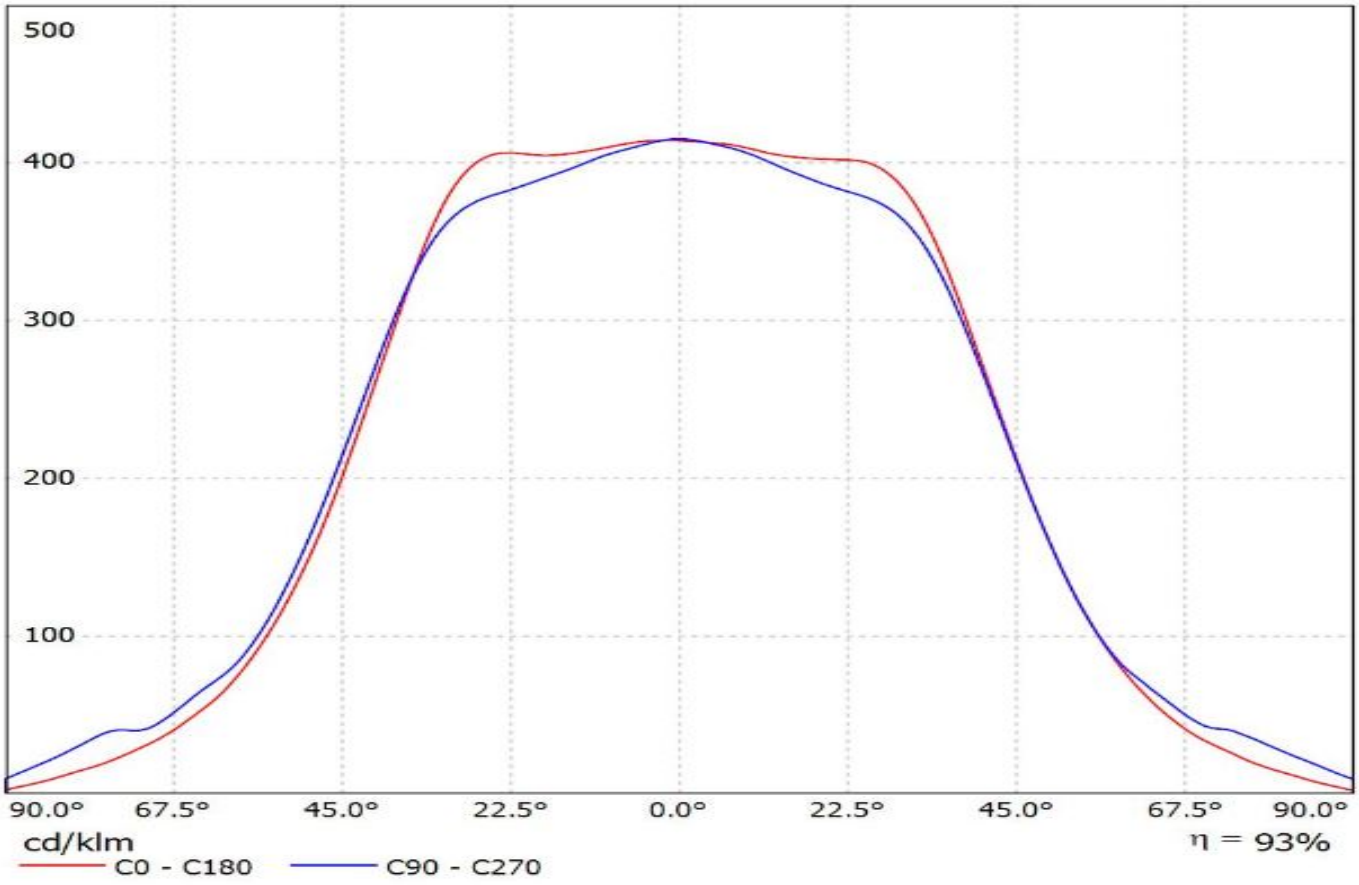
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(LT-R286A)
Lamps: 1 x Samsung_LT-R286A_1304.7lm@250mA_P=8.2181W_I=0.250A



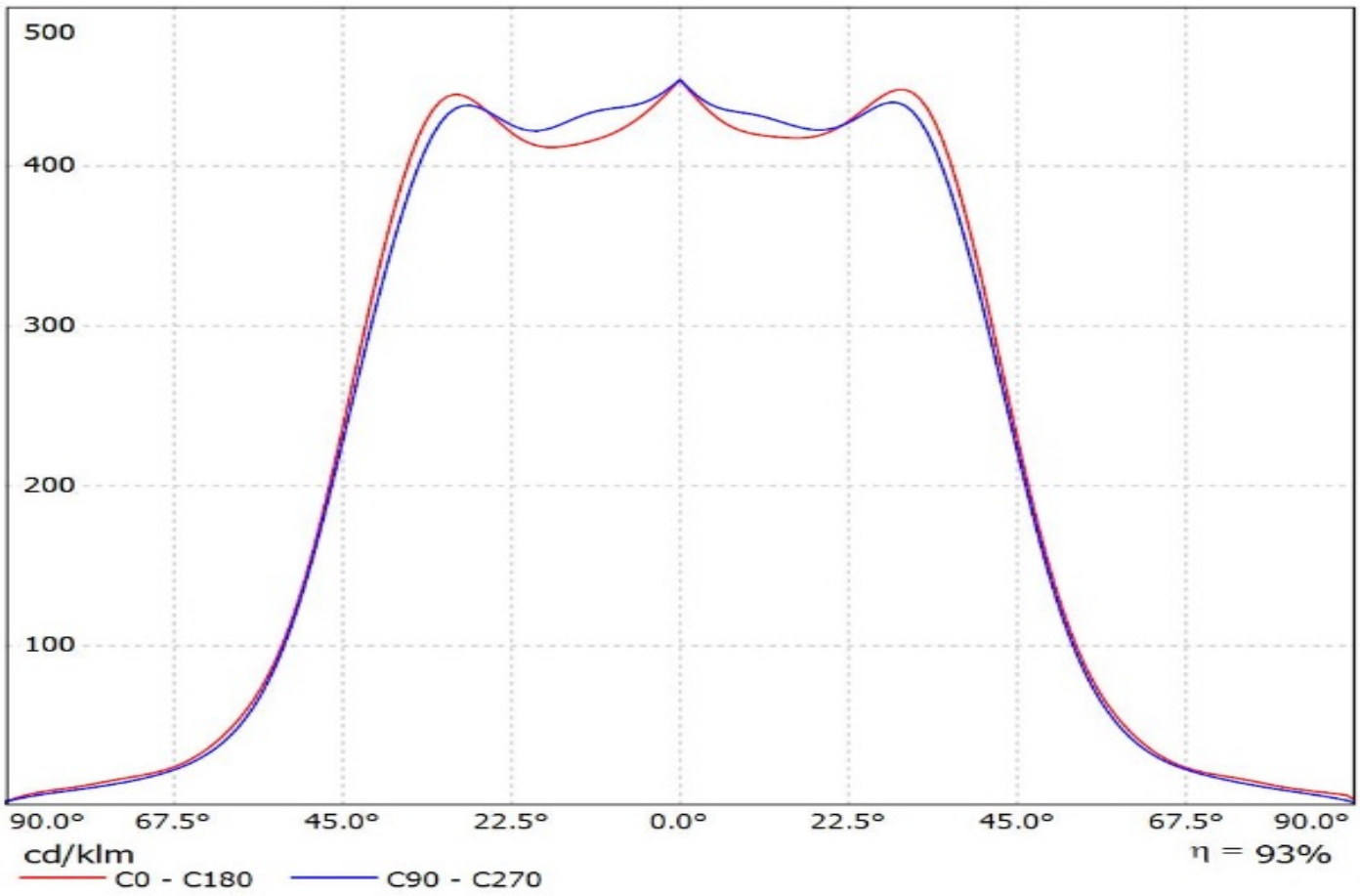
Luminaire: Ledil F13853_FLORENCE-Z90_(LM561B PLUS)
Lamps: 1 x Samsung LM561B PLUS 1366.12lm@250mA_P=8.071W_I=0.25A



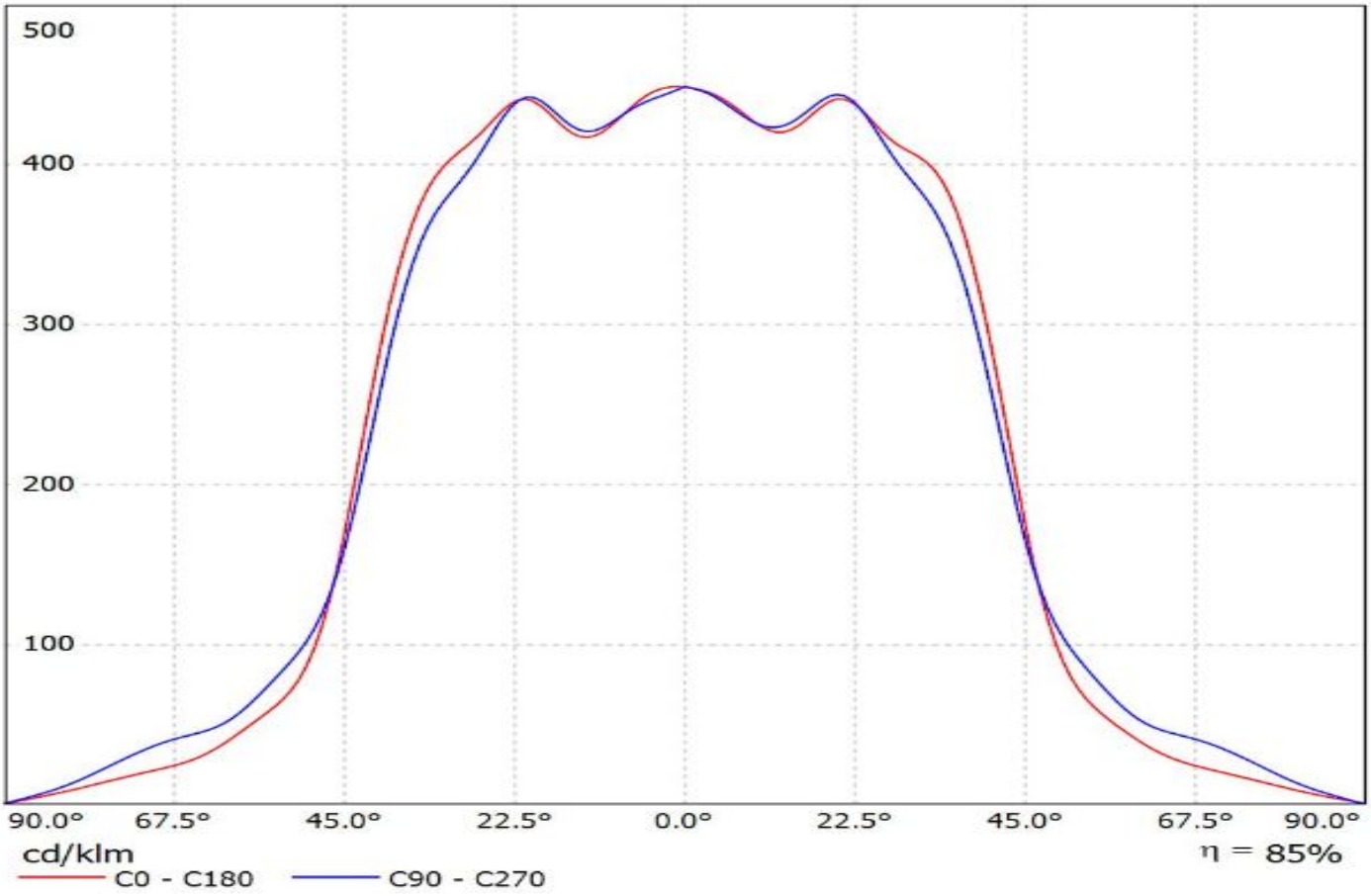
Luminaire: Ledil F13853_FLORENCE-Z90_(LM561C)
Lamps: 1 x SAMSUNG LM561C 1407.48lm@250mA_P=7.7190W_I=0.25A



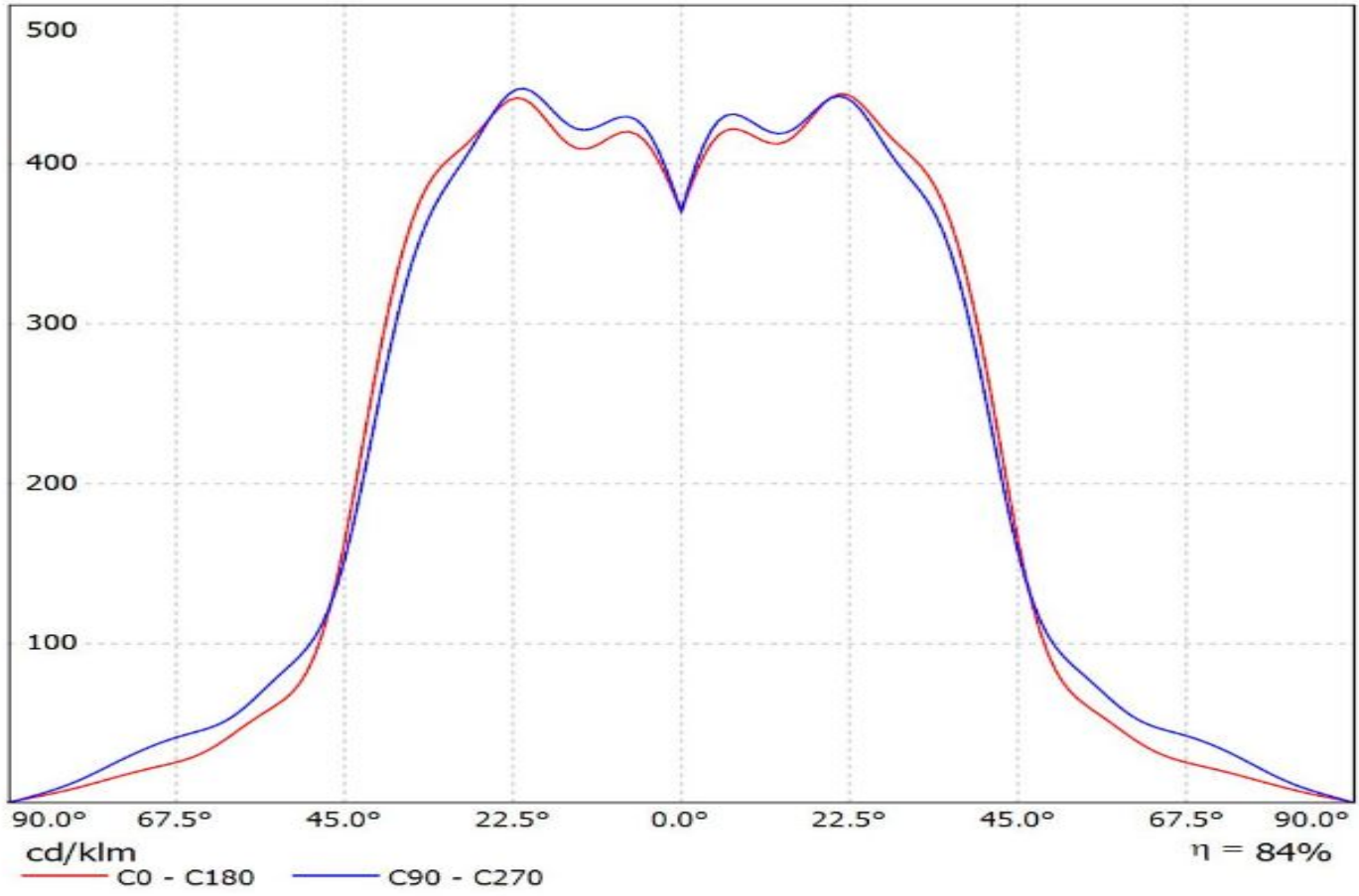
Luminaire: Ledil Oy F13853_FLORENCE-Z90_(LM281B)_SIMULATED
Lamps: 1 x Samsung LM281B



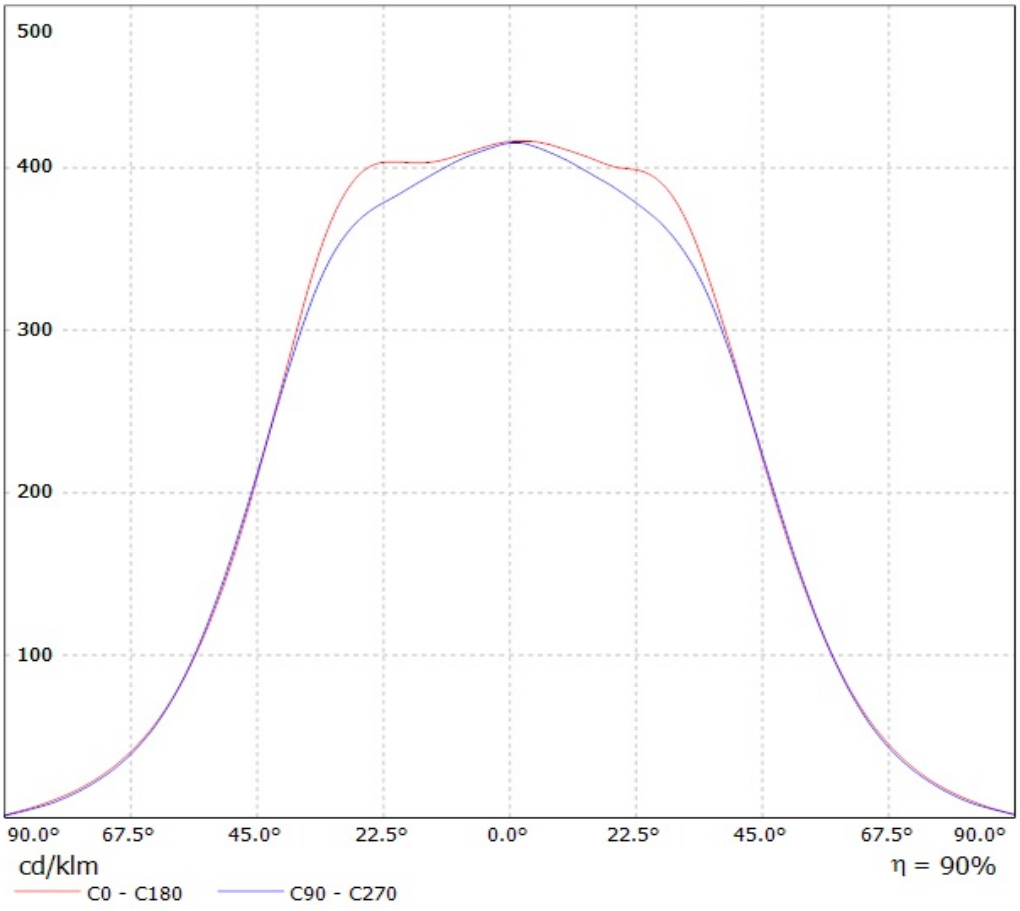
Luminaire: Ledil Oy F13853_FLORENCE-Z90_SEOUL_5630_C_SIMULATED
Lamps: 1 x SEOUL 5630 C



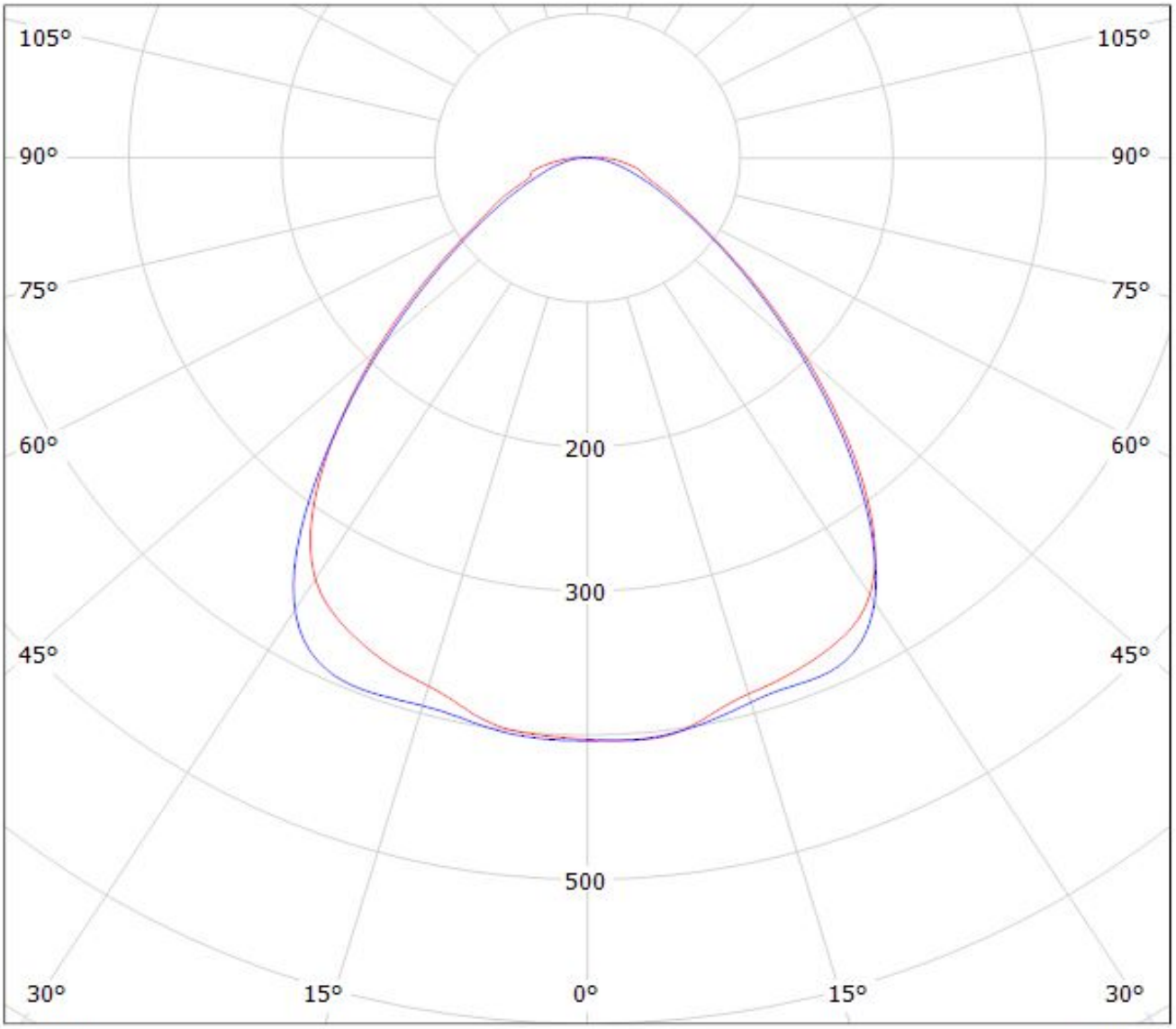
Luminaire: Ledil Oy F13853_FLORENCE-Z90_SEOUL_5630_D_SIMULATED
Lamps: 1 x SEOUL 5630 D



Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(LLE-55-280-1650)
Lamps: 1 x Tridonic_STARK_LLE-55-280-1650_(STARK_LLE-55-280-1650-840-CLA)_1478.34lm@325lm_CCT=4000K_P=10.1908W_I=324.9mA



Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(AVAGO 5630 0.5W)
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V

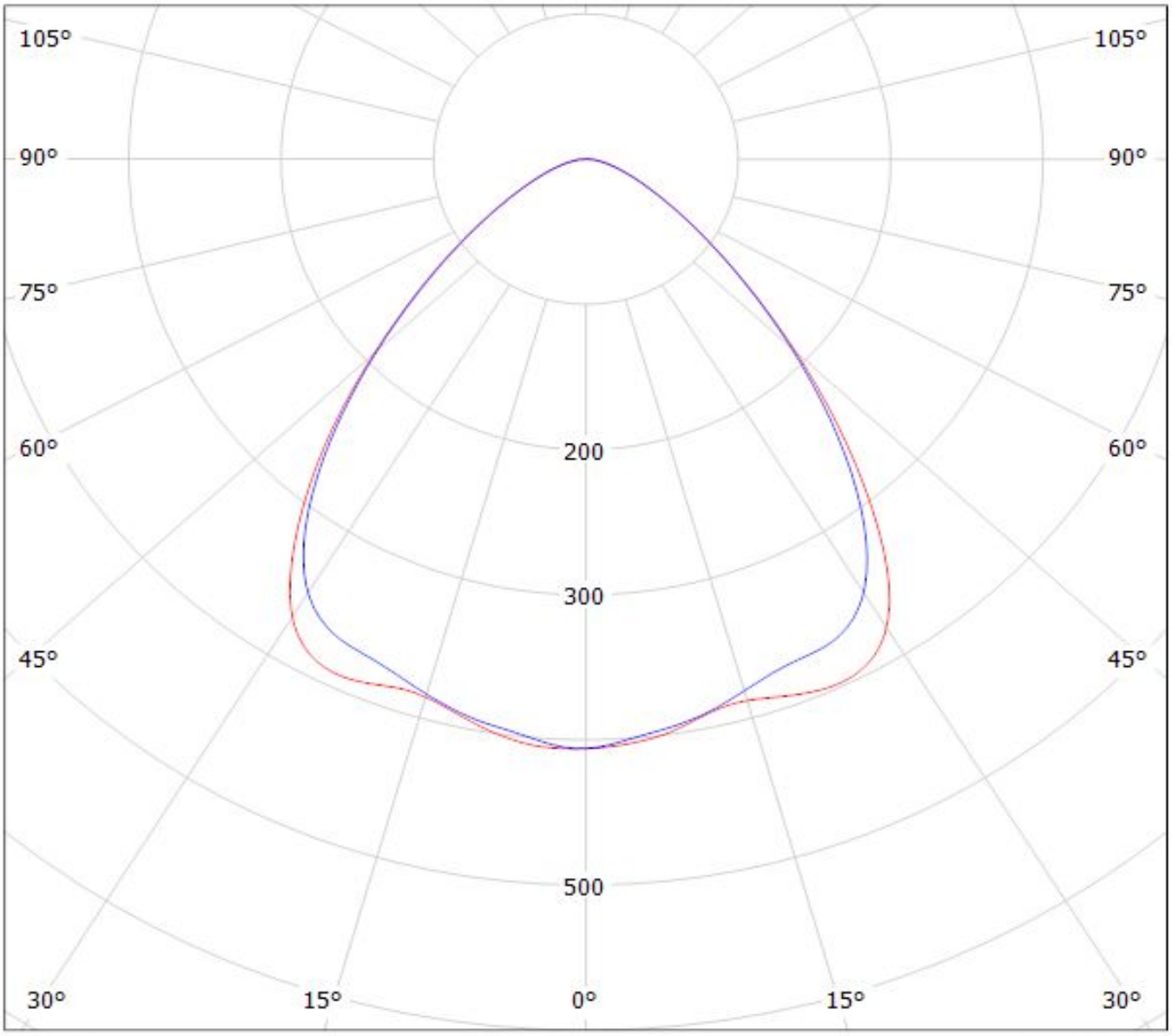


cd/klm

η = 90%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(TRIDINO-R3)_GS
Lamps: 1 x Comet_Electronicsin_TRIDINO-R3-8x0-1100-1ft-HV_1299.6lm@250mA_P=8.07304W_I=0.250A

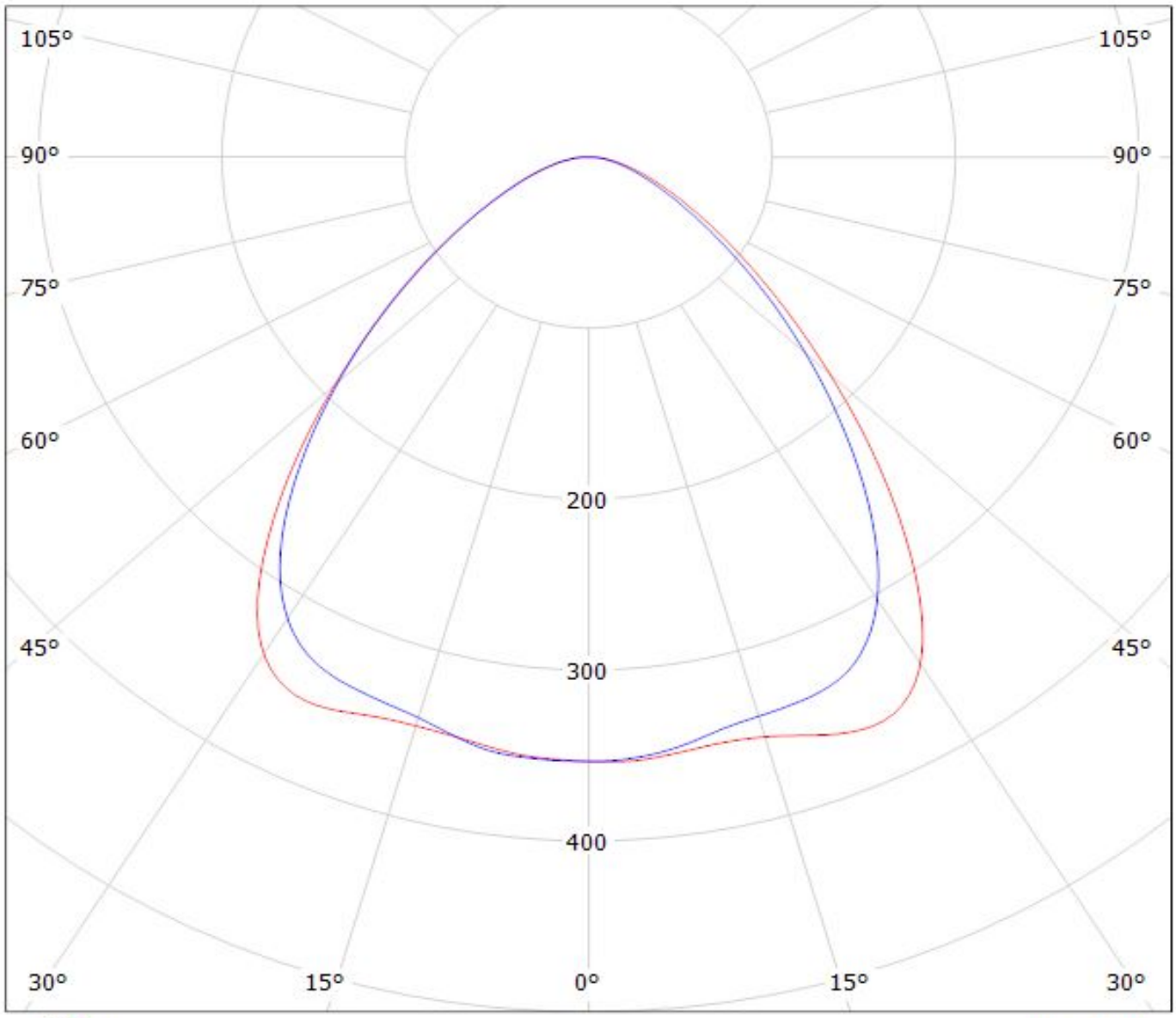


cd/klm

η = 87%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(XH-B) EFF_81.8%
Lamps: 1 x CREE_XH-B_(XHGAWT-0-7B4-J30-0H-0001)
_1060.84lm@250mA_CCT=5000K_P=8W_I=249.8mA

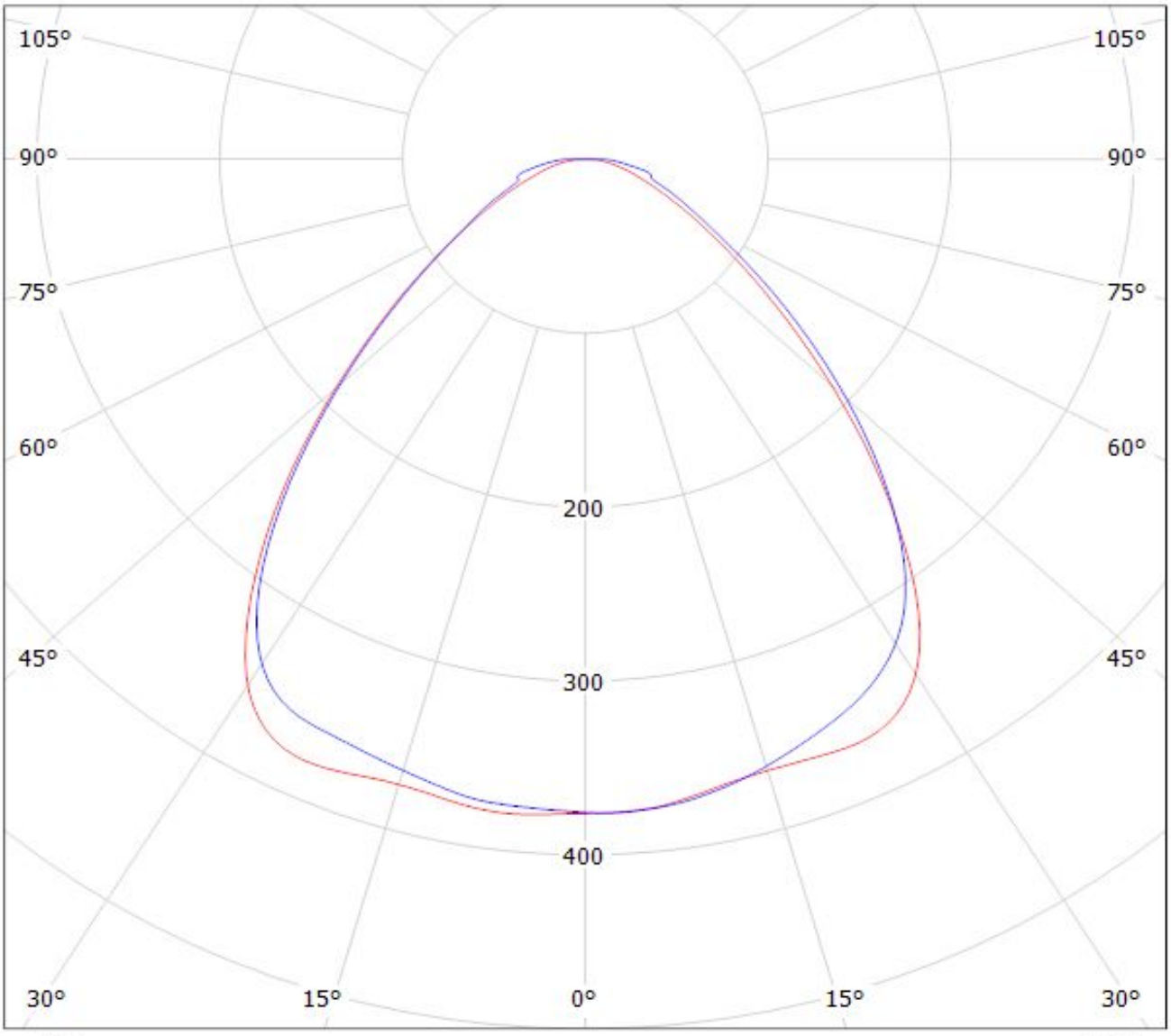


cd/klm

η = 82%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13853_FLORENCE-Z90 (LG5630)
Lamps: 1 x FLORENCE_FORTIMO_(LG_5630)_1100lm@250mA P=8.41224W I=250.7mA

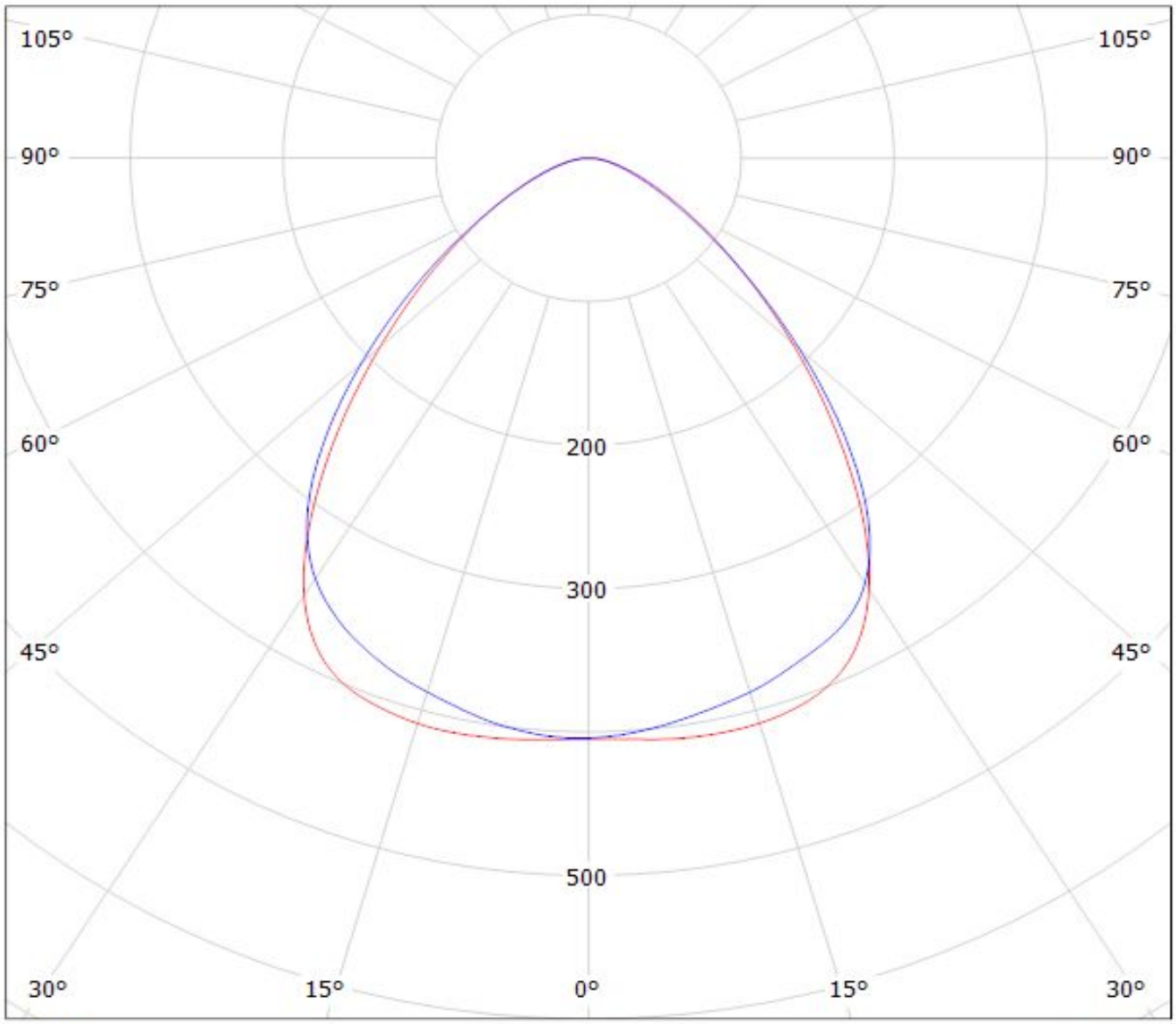


cd/klm

η = 87%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13853_FLORENCE-Z90_LG_6030) Eff.87.9%
Lamps: 1 x LG_6030_(LEWMS68T80HZ)_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA

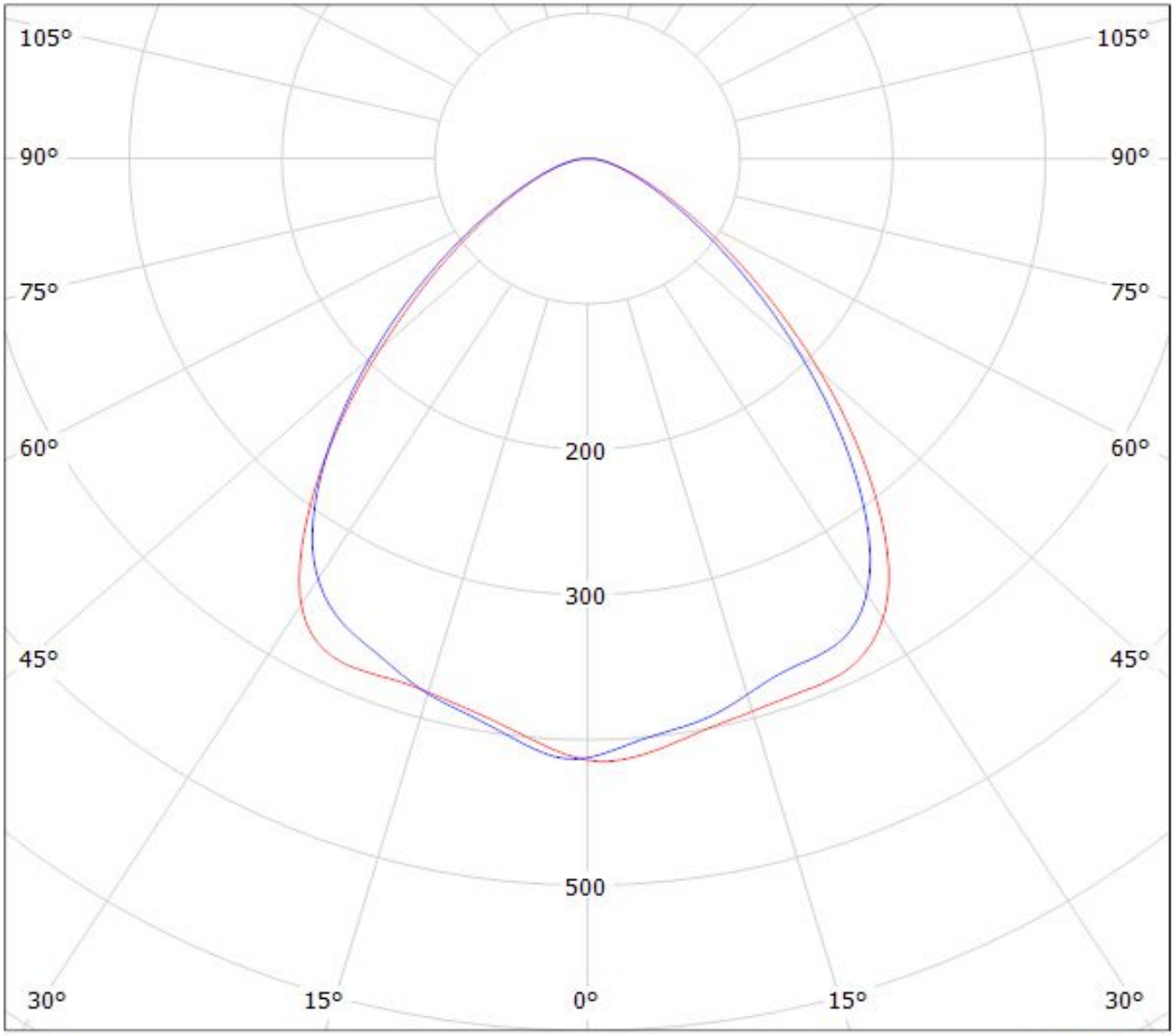


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(LUXEON_3535_2D) Eff.87.5%
Lamps: 1 x LUXEON_3535_2D_1513.88lm@200mA_P=12.7114W_I=199.9mA



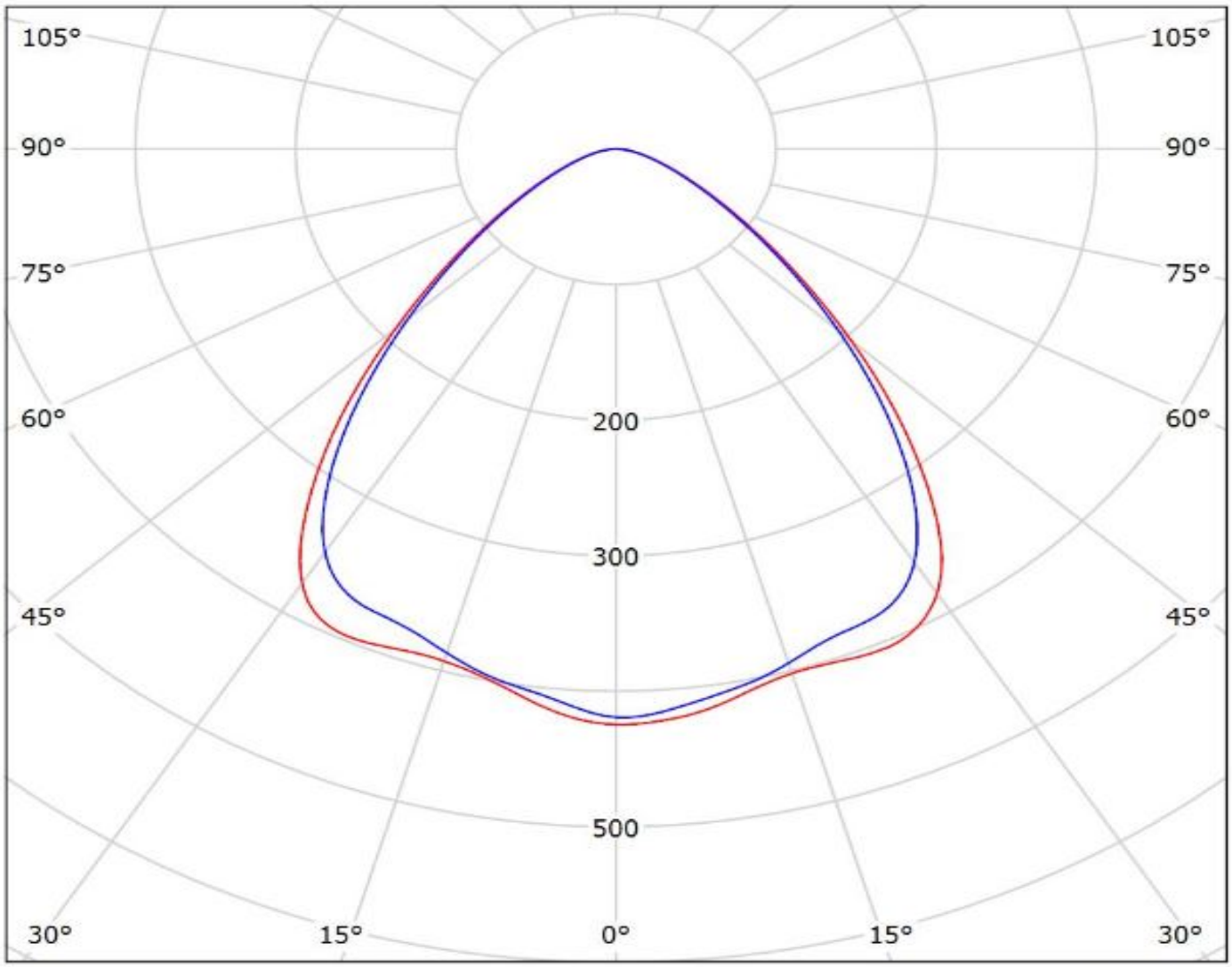
cd/klm

η = 87%

C0 - C180 C90 - C270

Ledil F13853_FLORENCE-Z90_(Luxeon_3030_2D) / LDC (Polar)

Luminaire: Ledil F13853_FLORENCE-Z90_(Luxeon_3030_2D)
Lamps: 1 x Luxeon_3030_2D_3x11_(L130-4080003000W21)
_2150lm@300mA_CCT=4000K_P=12.8W_I=0.3A



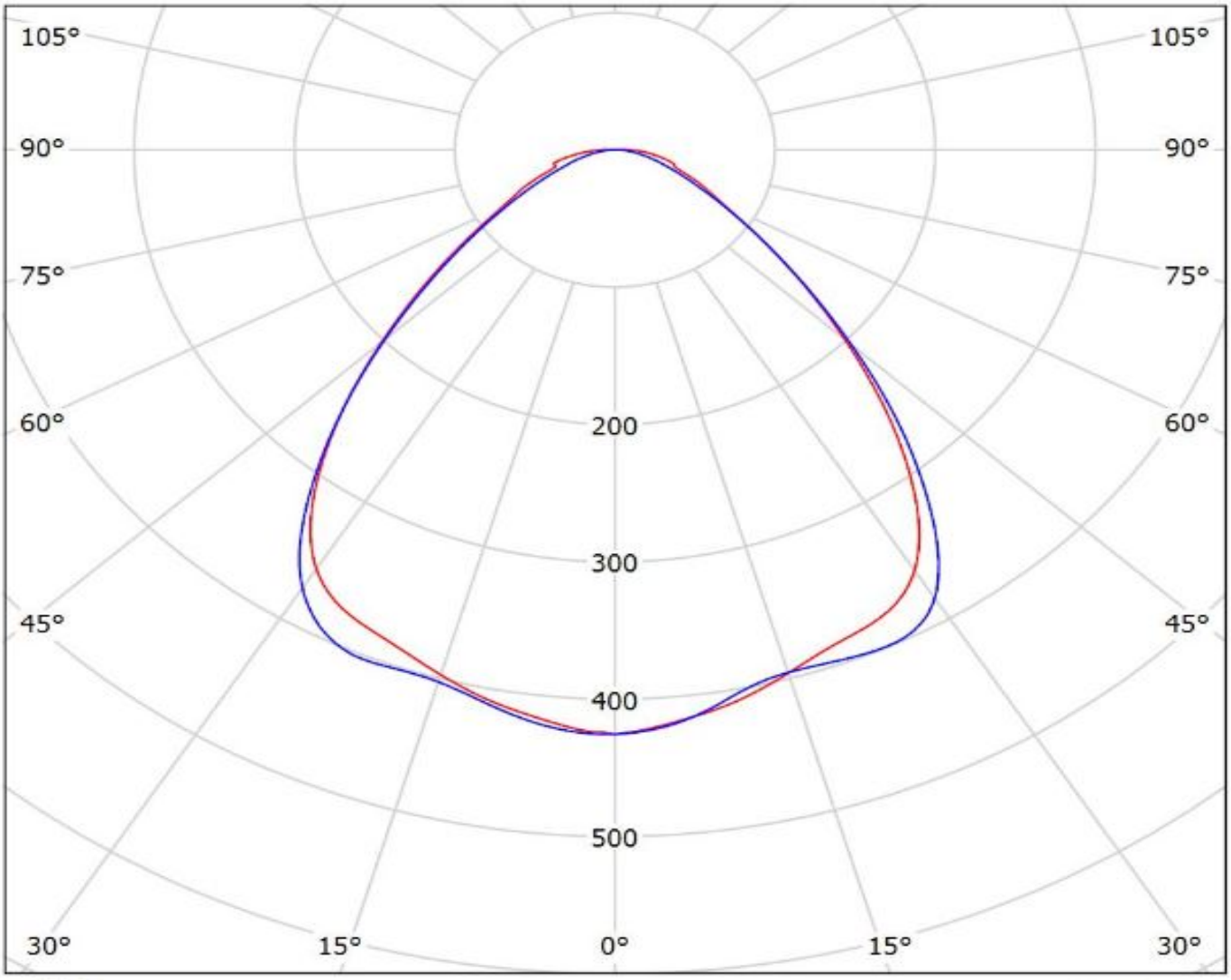
cd/klm

η = 87%

C0 - C180 C90 - C270

Ledil F13853_FLORENCE-Z90_(Luxeon_XR-3535L) / LDC (Polar)

Luminaire: Ledil F13853_FLORENCE-Z90_(Luxeon_XR-3535L)
Lamps: 1 x Lumileds_Luxeon_XR-3535L_3x11_(L202–3080033C30001)
_1087.37lm@250mA_CCT=3000K_P=8.15W_I=0.25A

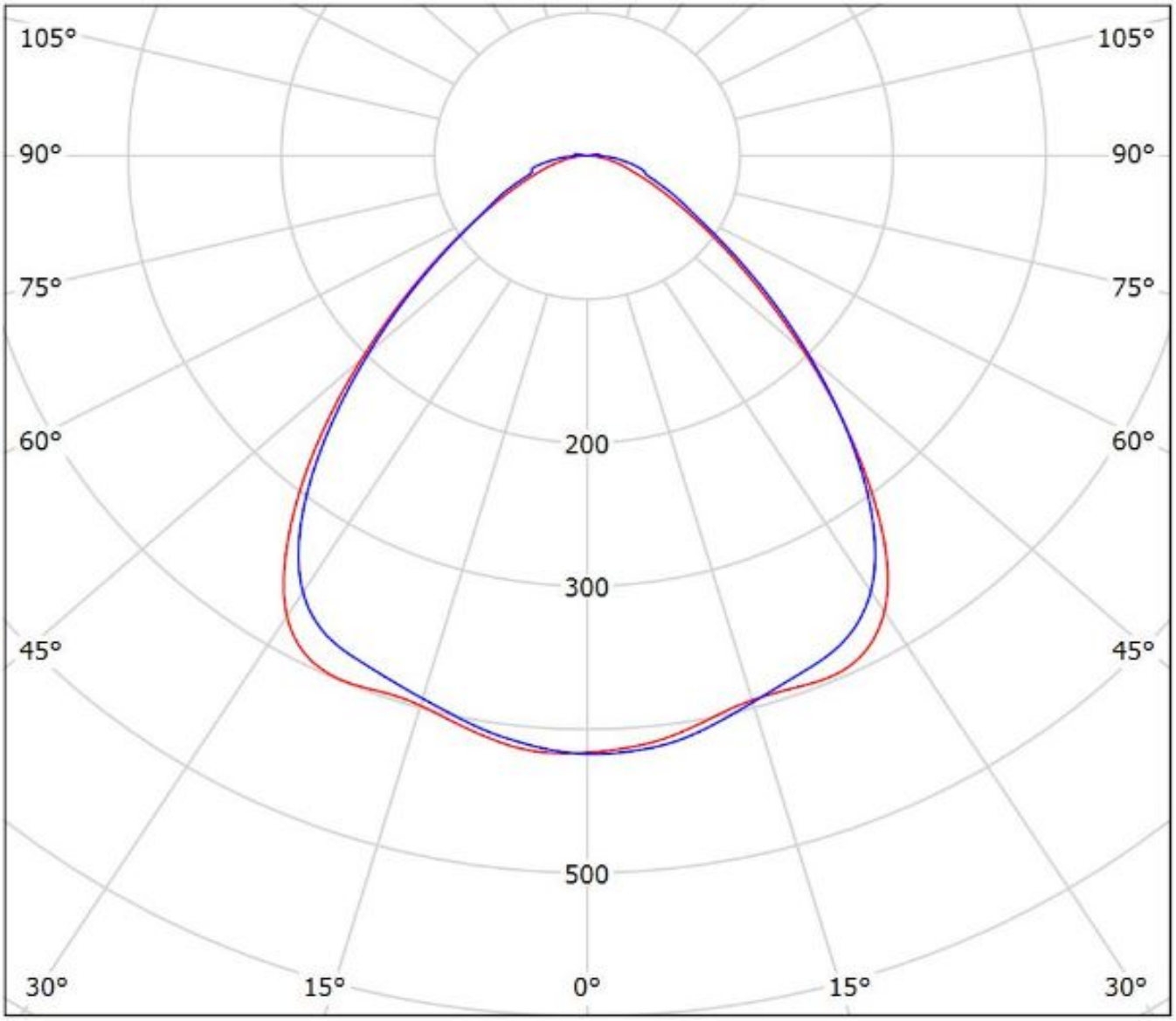


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: Ledil F13853_FLORENCE-Z90_(Luxeon 3535L HE)
Lamps: 1 x Luxeon 3535L HE 1290.2lm@250mA_P=7.7240W_I=0.25A

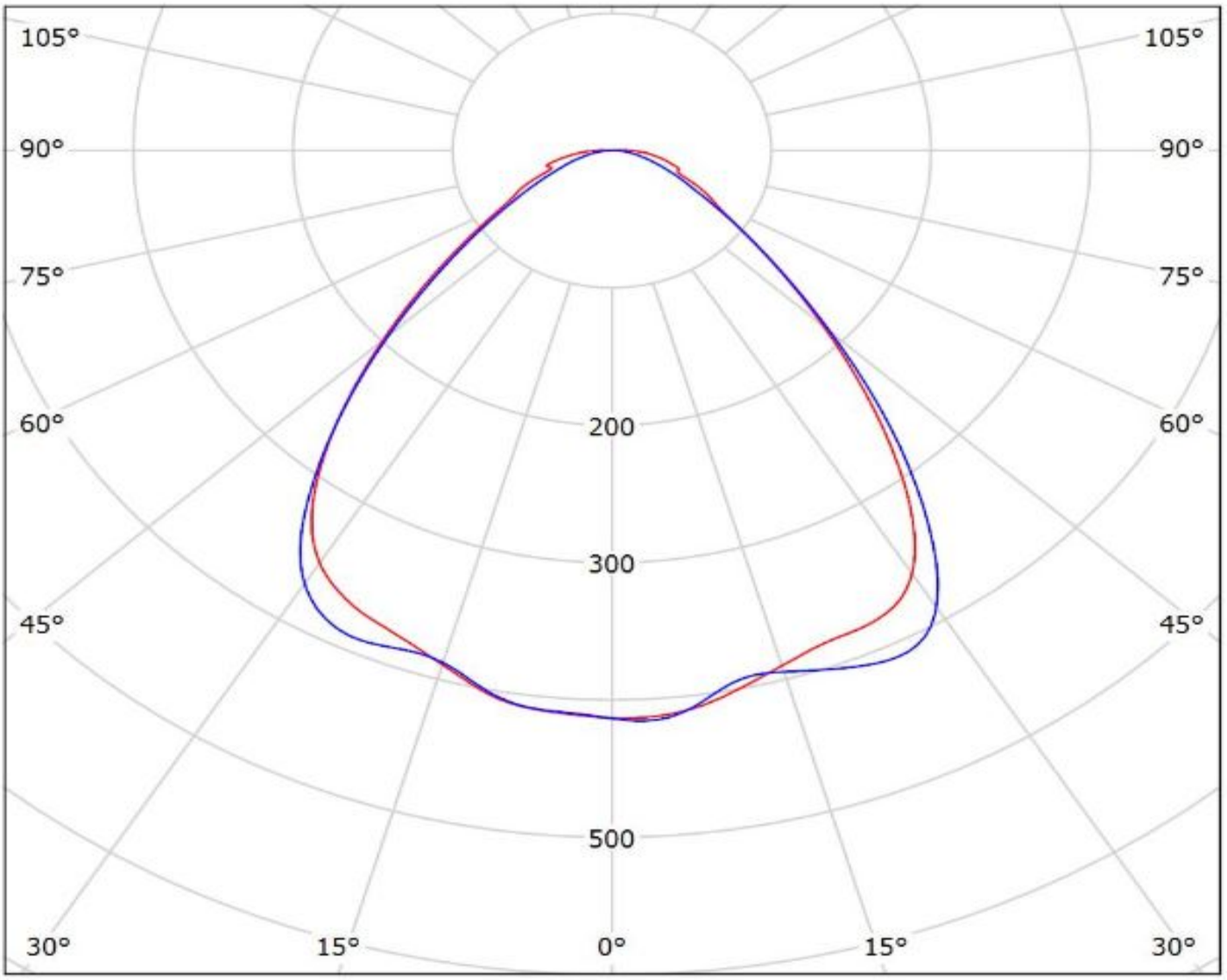


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: Ledil F13853_FLORENCE-Z90_(MP-2016)
Lamps: 1 x Luminus_MP-2016_x22_(LUMMP-1100-30-80)_715.864lm@180mA_P=6W_I=0.18A

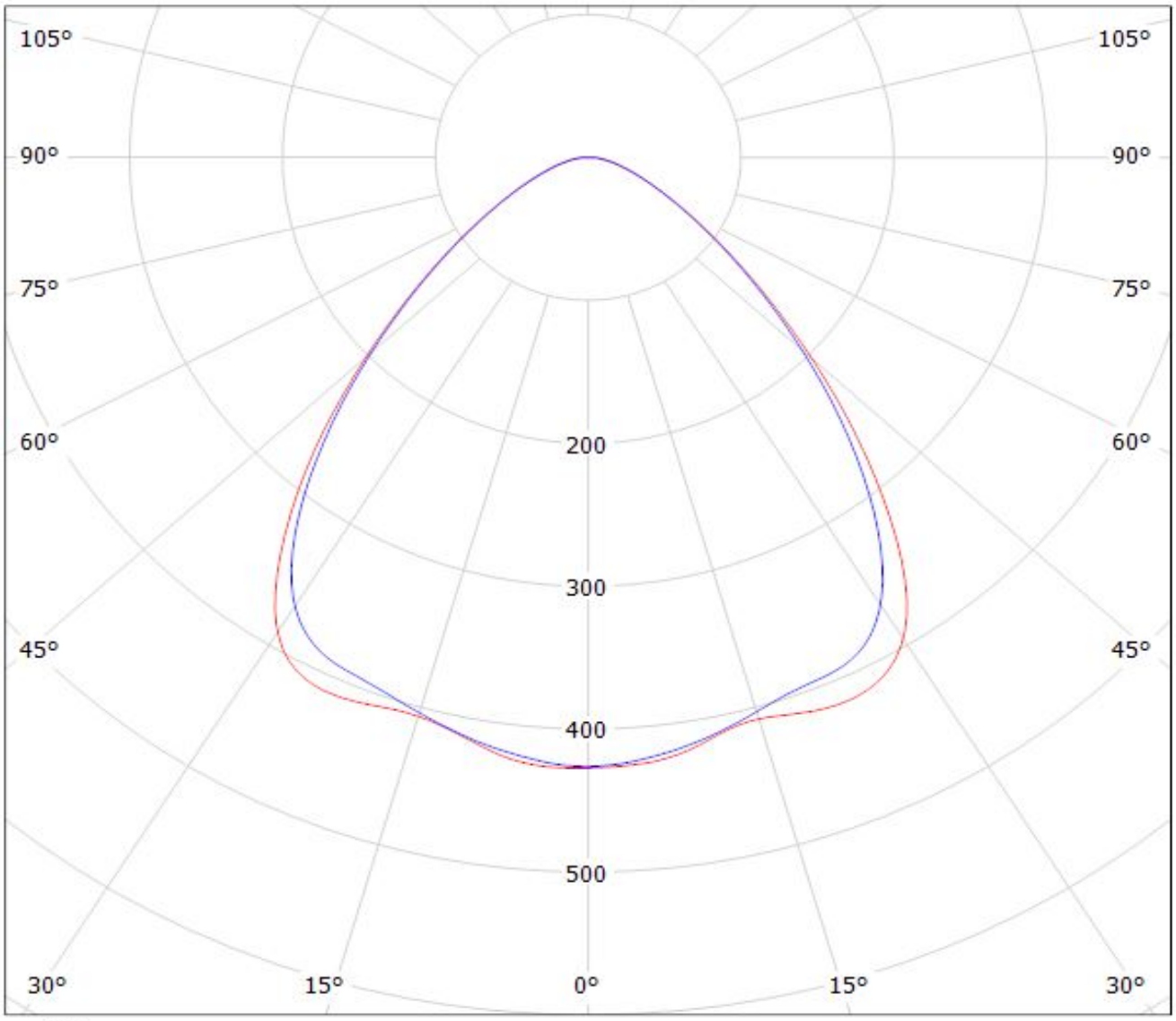


cd/klm

η = 91%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(NICHIA757)
Lamps: 1 x NICHIA757 (NT2W757DRT) 1387lm@150mA

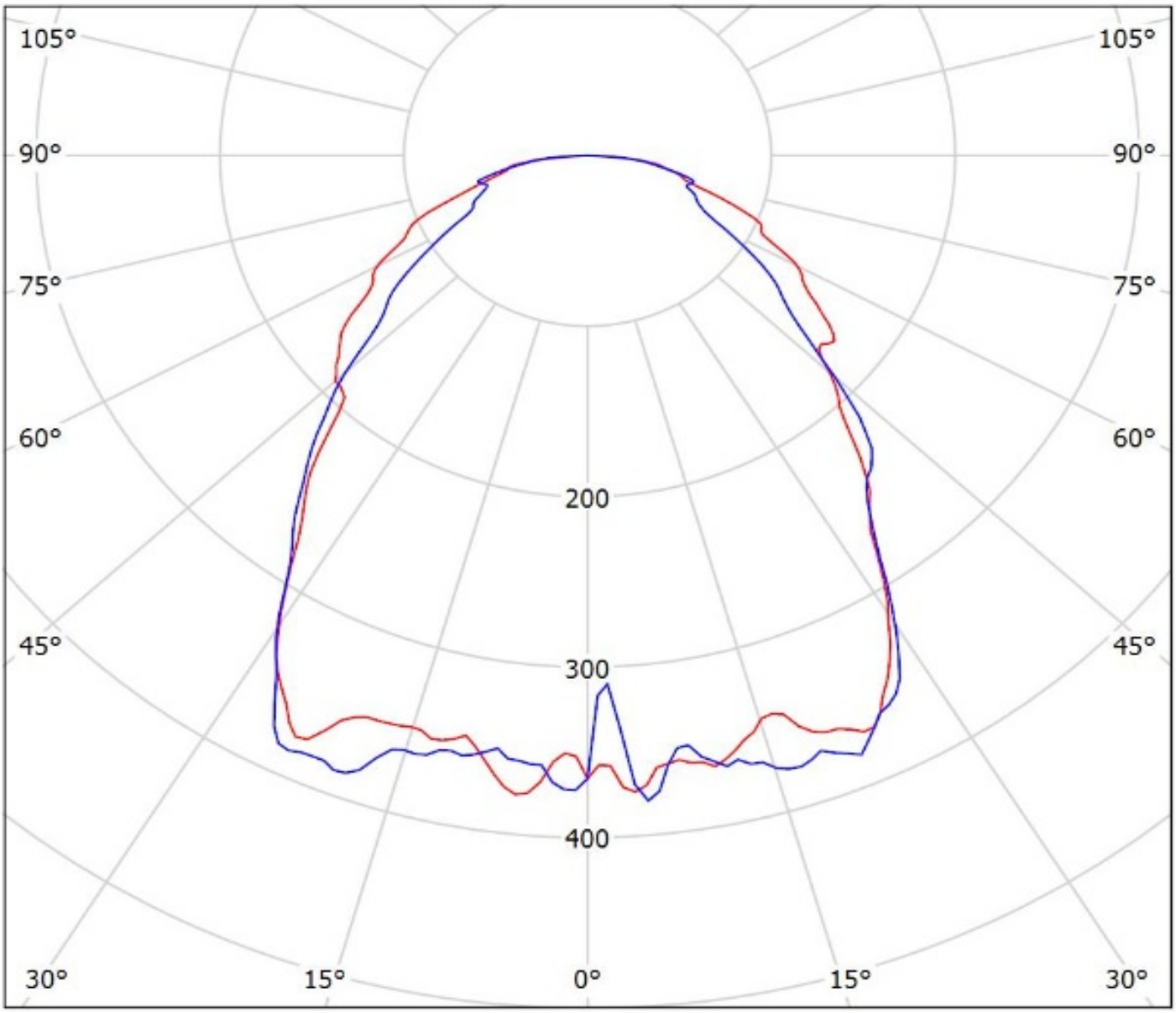


cd/klm

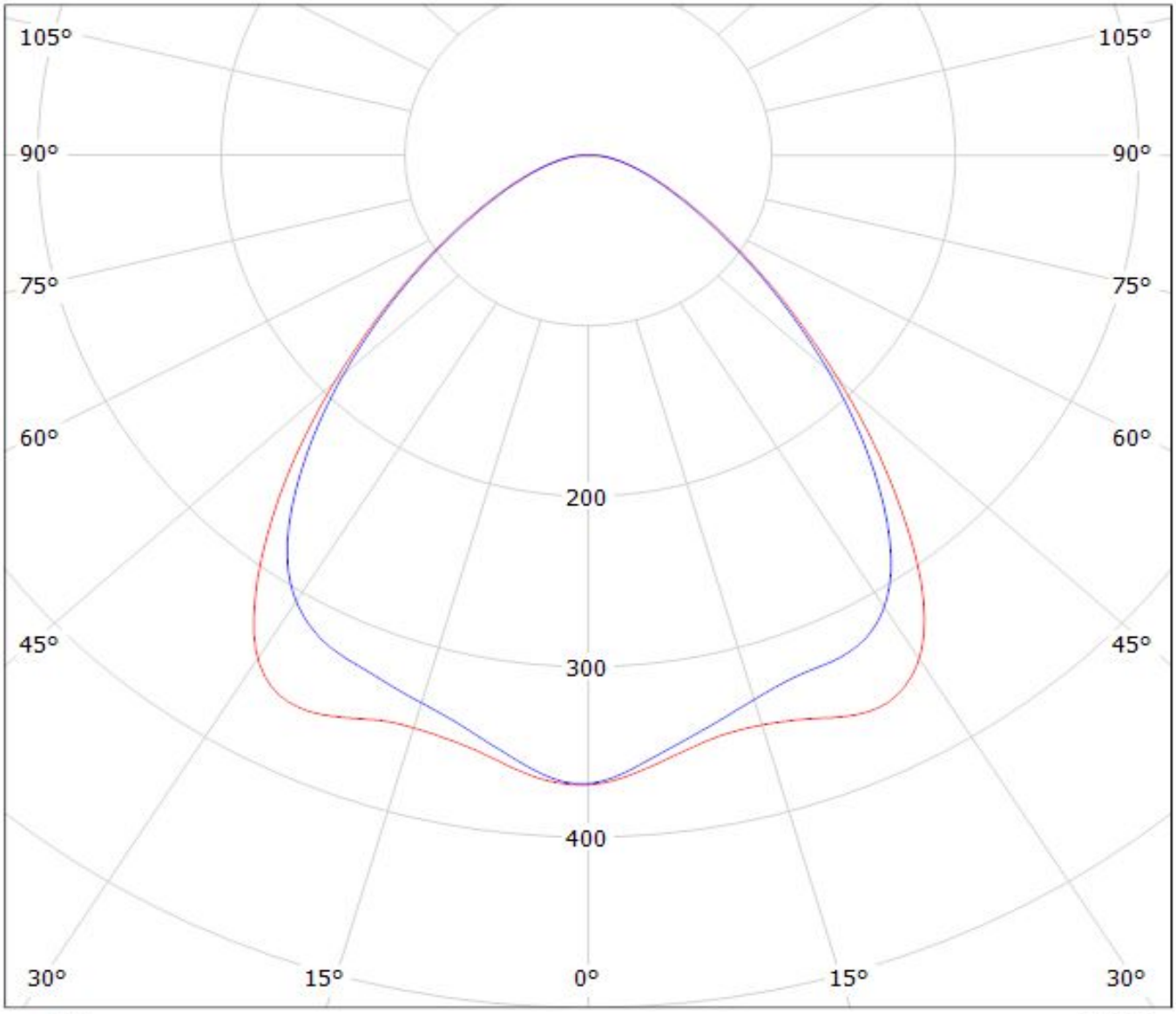
η = 92%

C0 - C180 C90 - C270

Luminaire: Ledil Oy F13853_FLORENCE-Z90_NVSLE21A_SIMULATED
Lamps: 1 x NICHIA NVSLE21A



Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(DURIS_P5)
Lamps: 1 x OSRAM_DURIS_P5_747.995lm@250mA_P=7.78777W_I=249.8mA

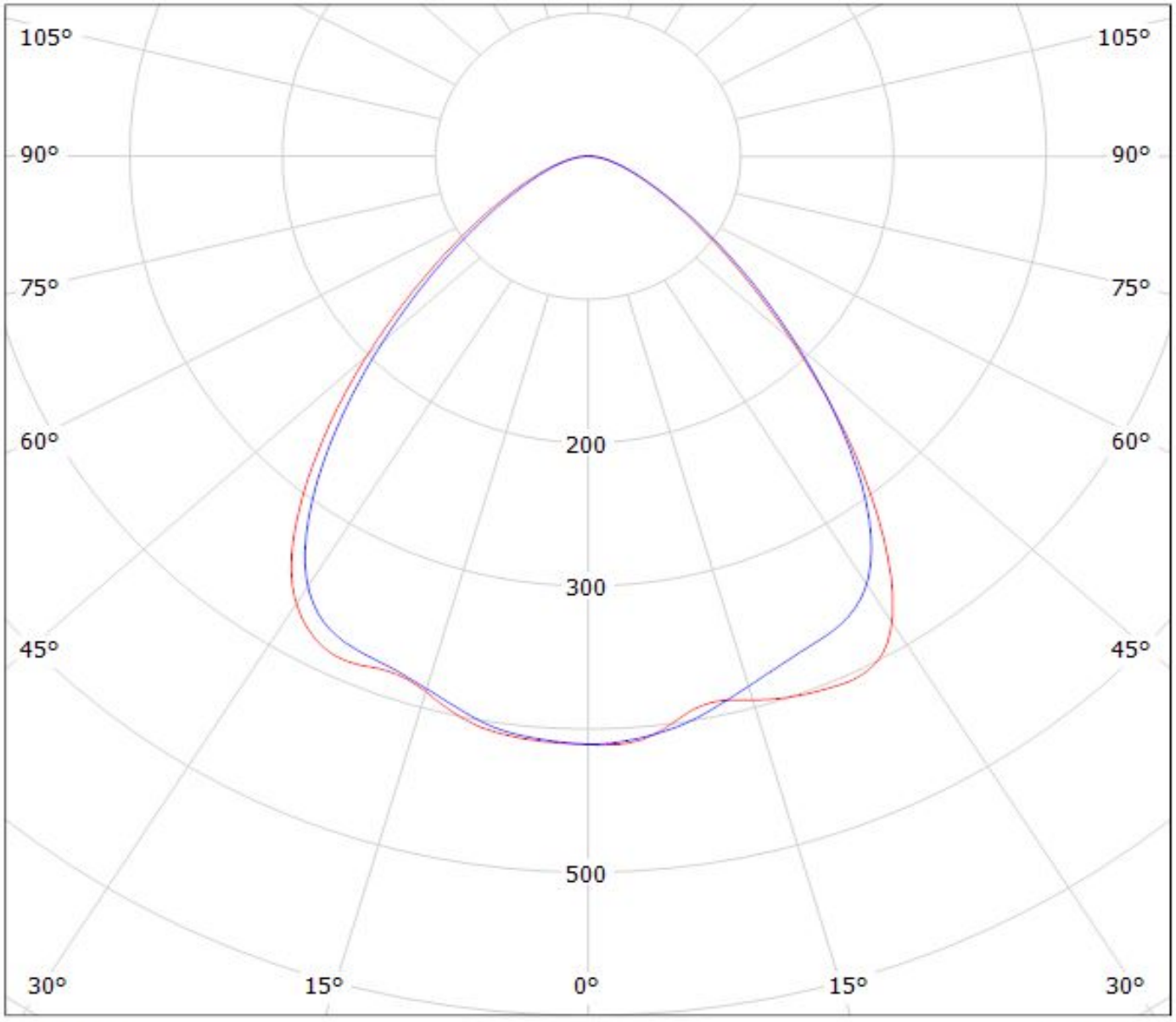


cd/klm

η = 83%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(DURIS_S5) Eff.87.5%
Lamps: 1 x DURIS_S5_500.39lm@120mA_P=3.76814W_I=120.1mA

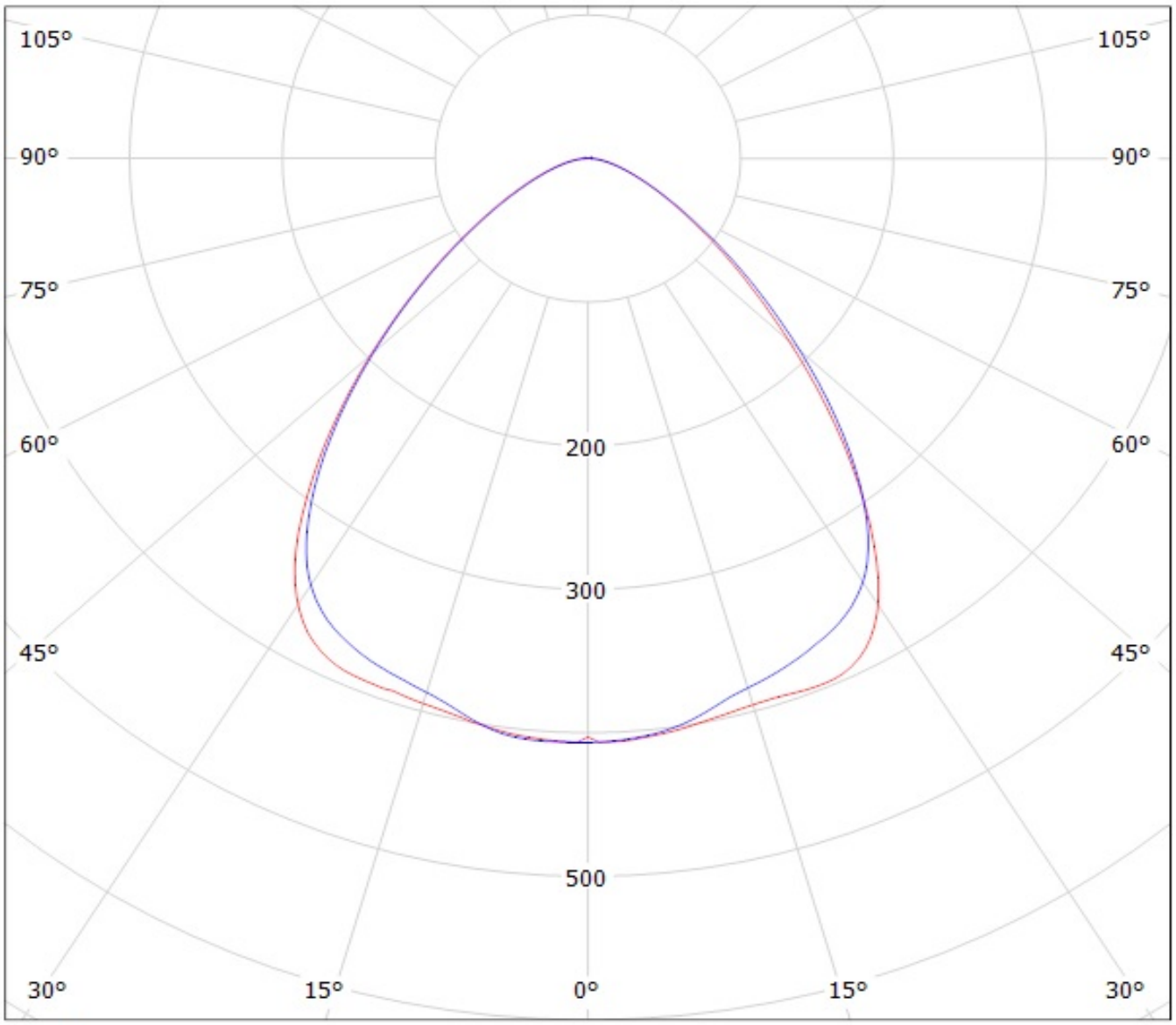


cd/klm

η = 88%

C0 - C180 C90 - C270

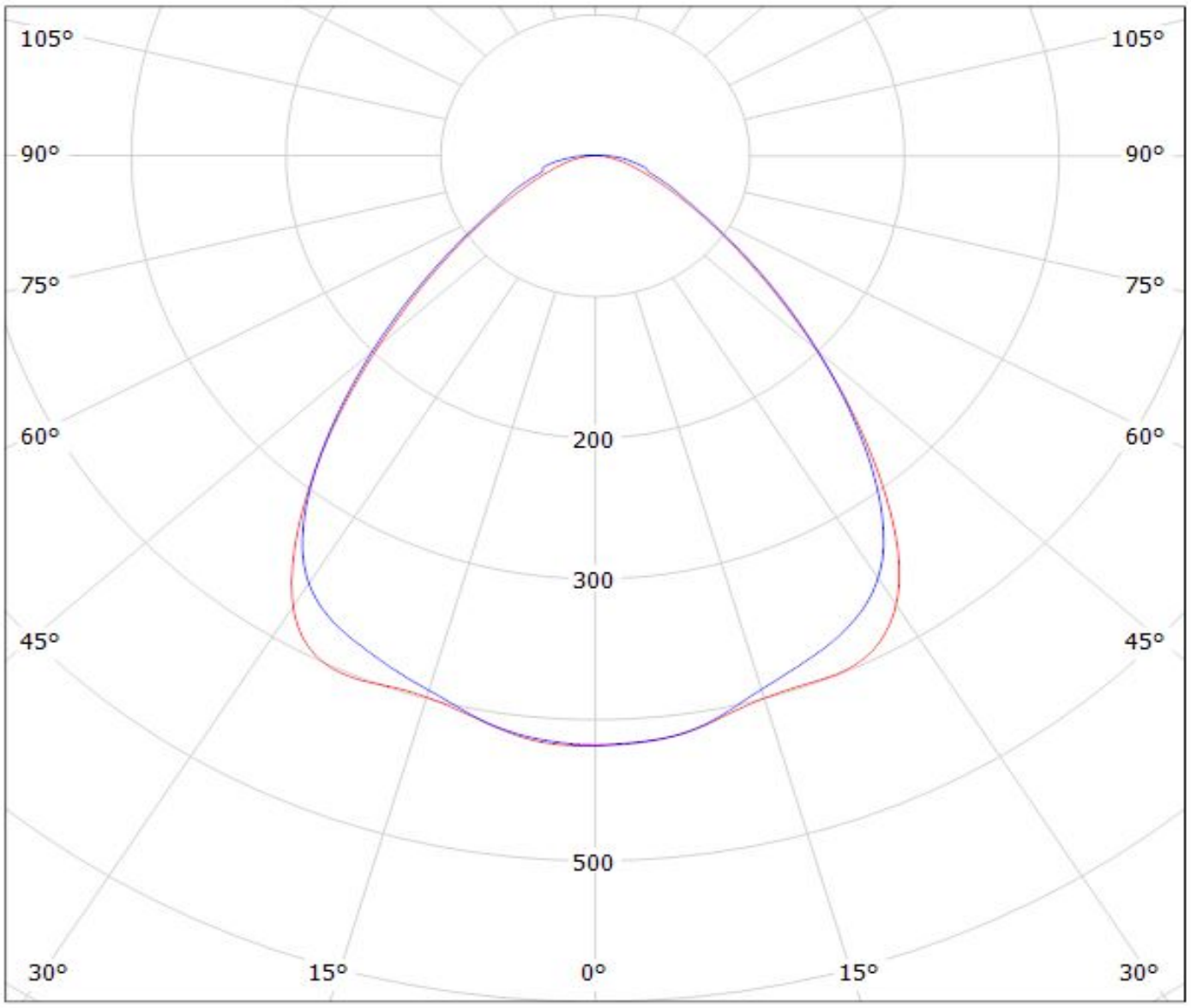
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(DURIS_E5) Eff: 88%
Lamps: 1 x Osram_DURIS_E5_567.032lm@120mA_P=3.6693W_I=120.1mA



cd/klm

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(Osram_PLG2-BAR)
Lamps: 1 x Osram_PLG2-BAR -1100-830-280x55-DC_1021.93lm@225mA_P=7.1643W_I=0.225A

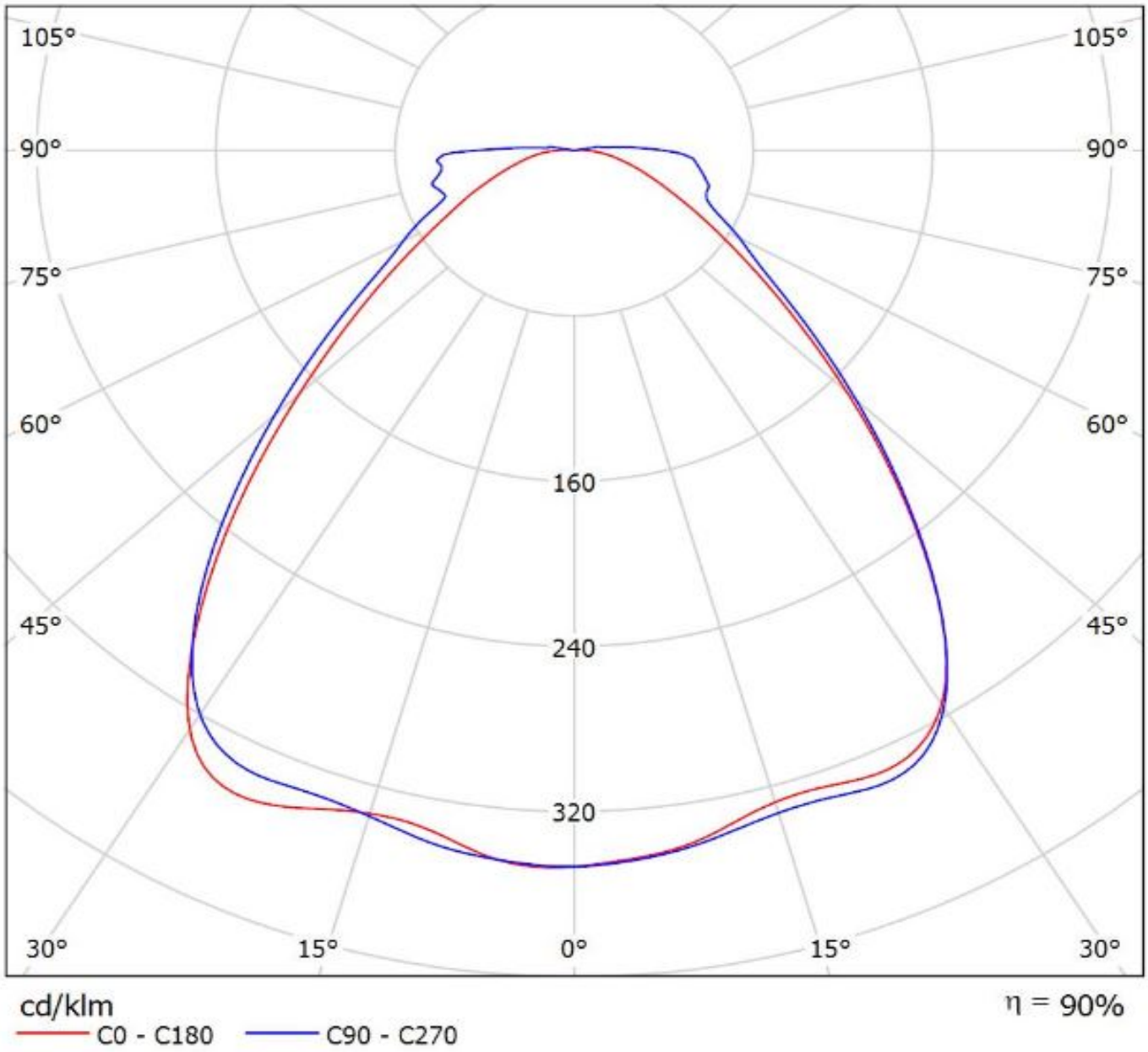


cd/klm

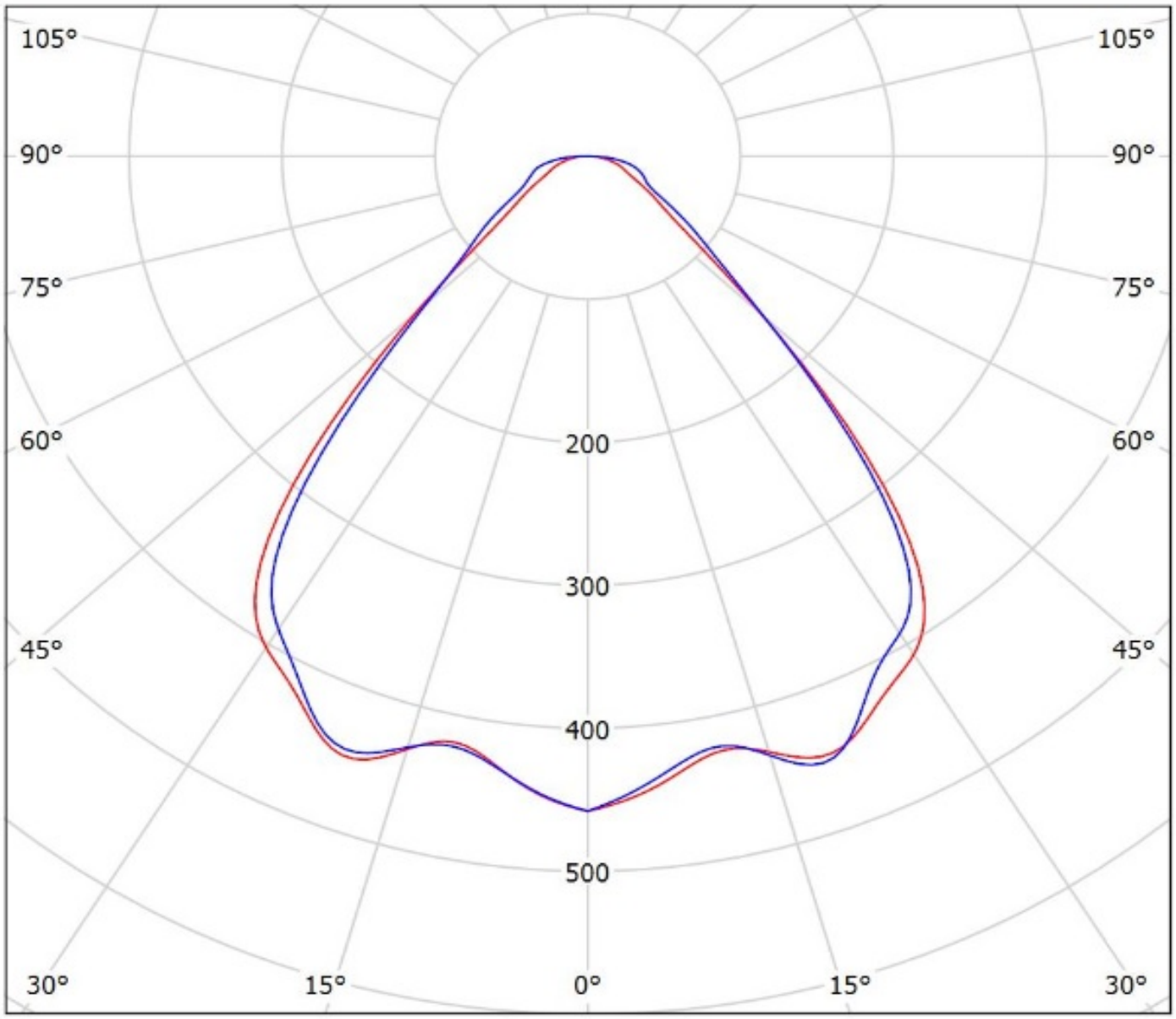
η = 91%

C0 - C180 C90 - C270

Luminaire: Ledil F13853_FLORENCE-Z90_(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 F13853_FLORENCE-Z90_(Duris_E_2835)_SIMULATED
Lamps: 1 x Osram Duris E 2835 - GW JTLRS1.EM

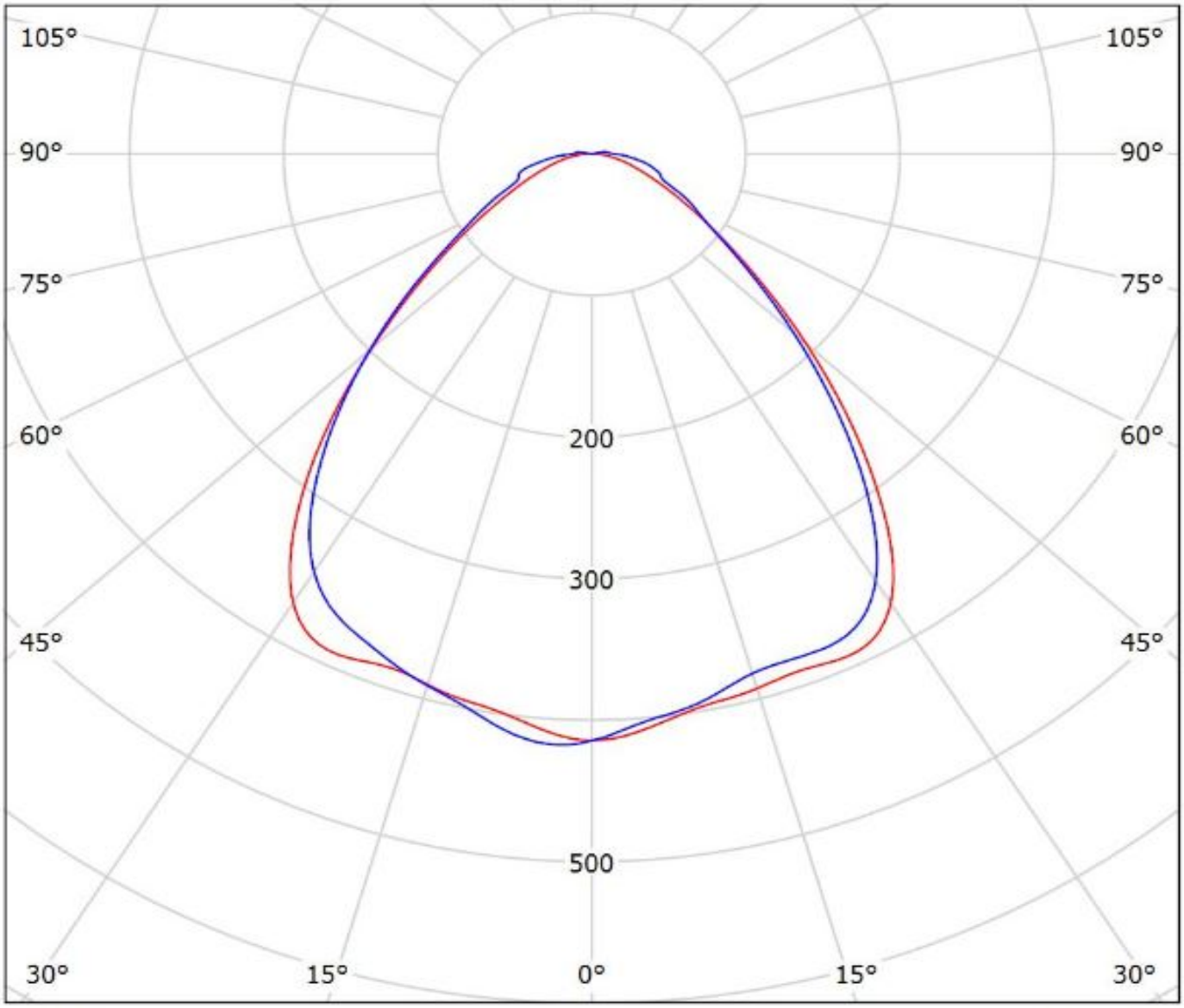


cd/klm

η = 87%

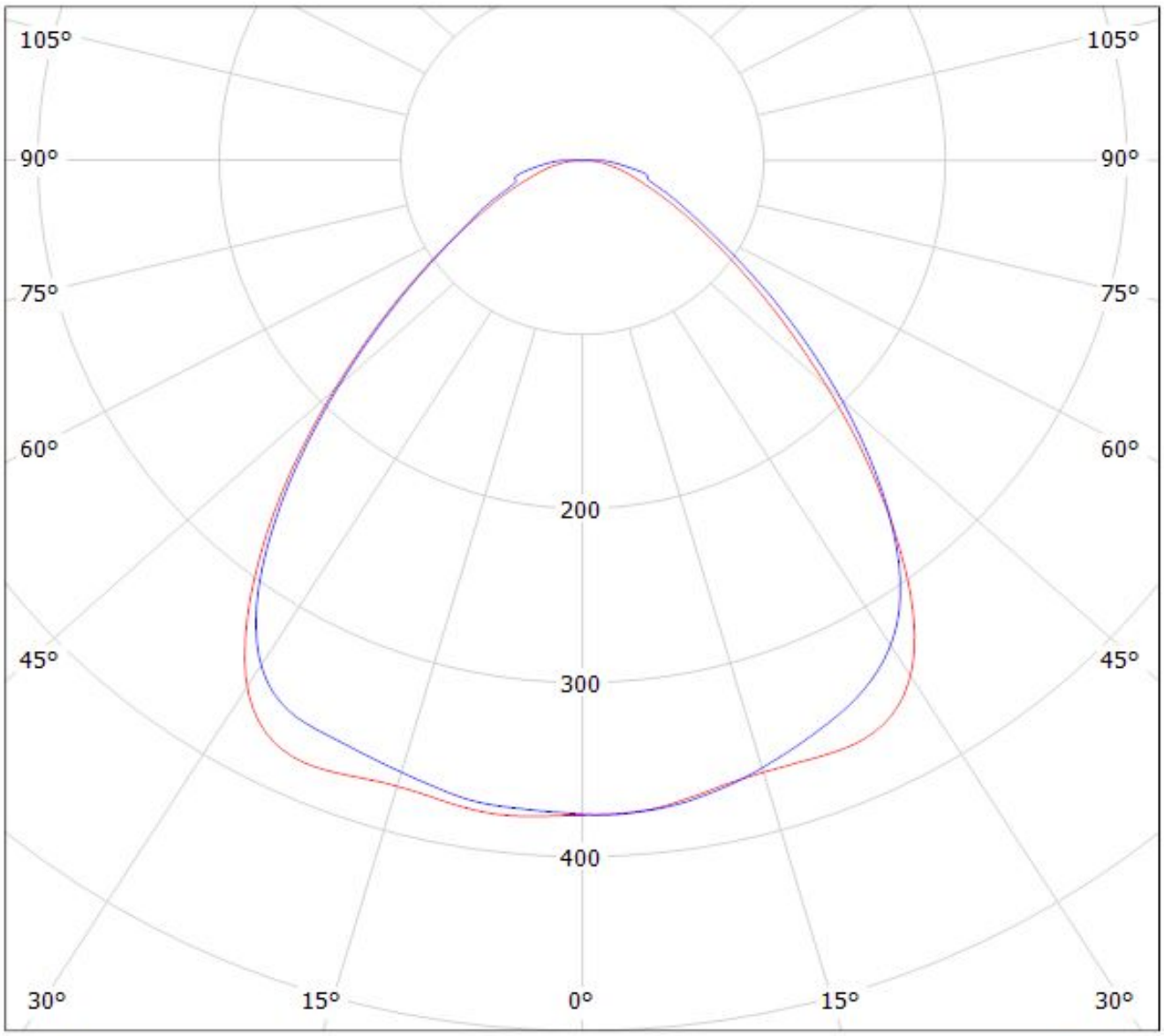
C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(Oslon_Square_Gen3)
Lamps: 1 x Osram_Oslon_Square_Gen3_(GW_CSSRM2.EM)
_1246.56lm@250mA_P=7.4303W_I=0.250A



cd/klm
η = 93%
C0 - C180
C90 - C270

Luminaire: LEDiL Oy F13853_FLORENCE-Z90
Lamps: 1 x PHILIPS Fortimo LED Line 1ft 650lm 840 3R HV2 1100lm@250mA P=8.41224W I=250.7mA

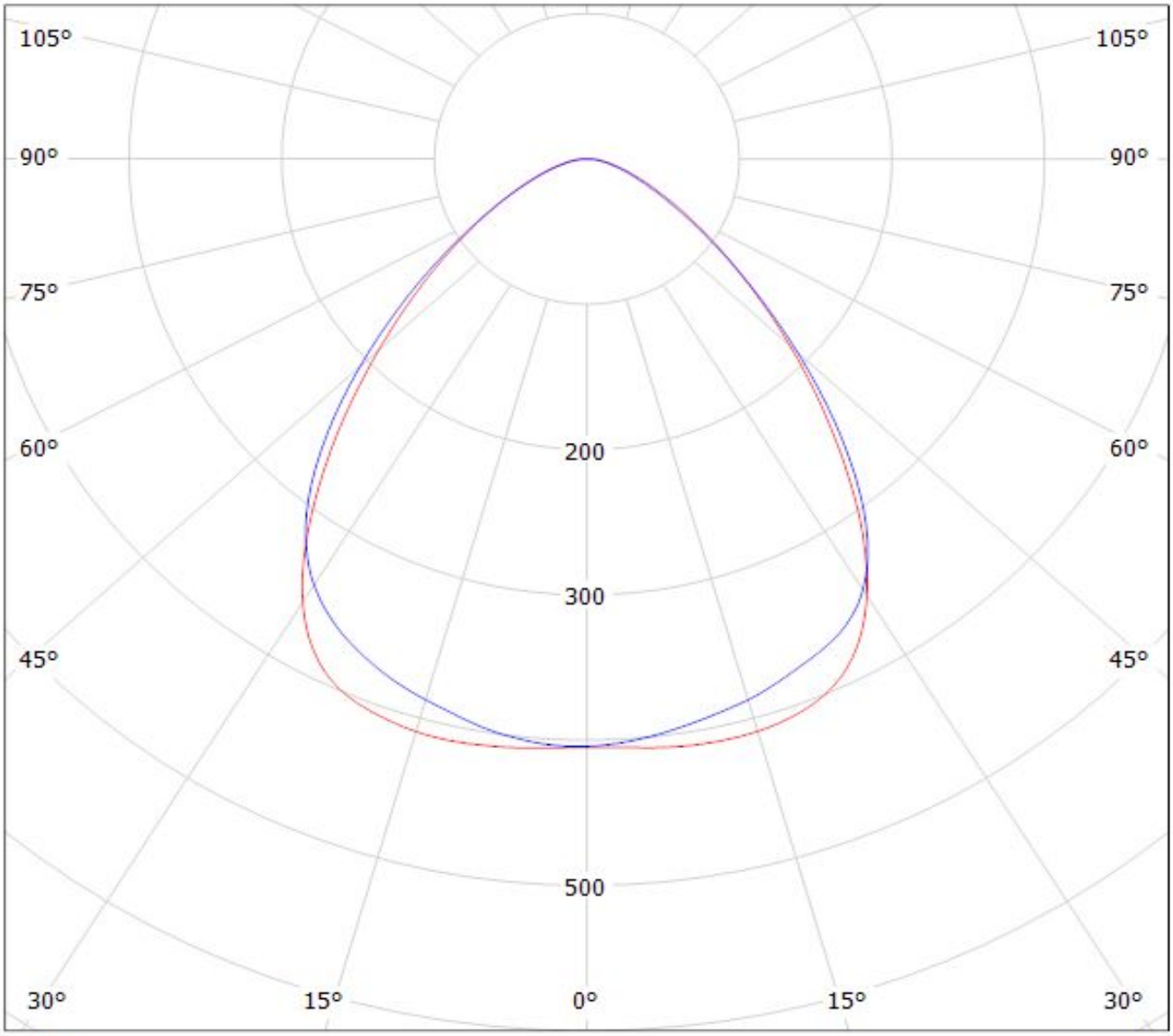


cd/klm

η = 87%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13853_FLORENCE-Z90 Eff.87.9%
Lamps: 1 x Fortimo_LED_Line_1ft_1100lm_3R_HV2_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA

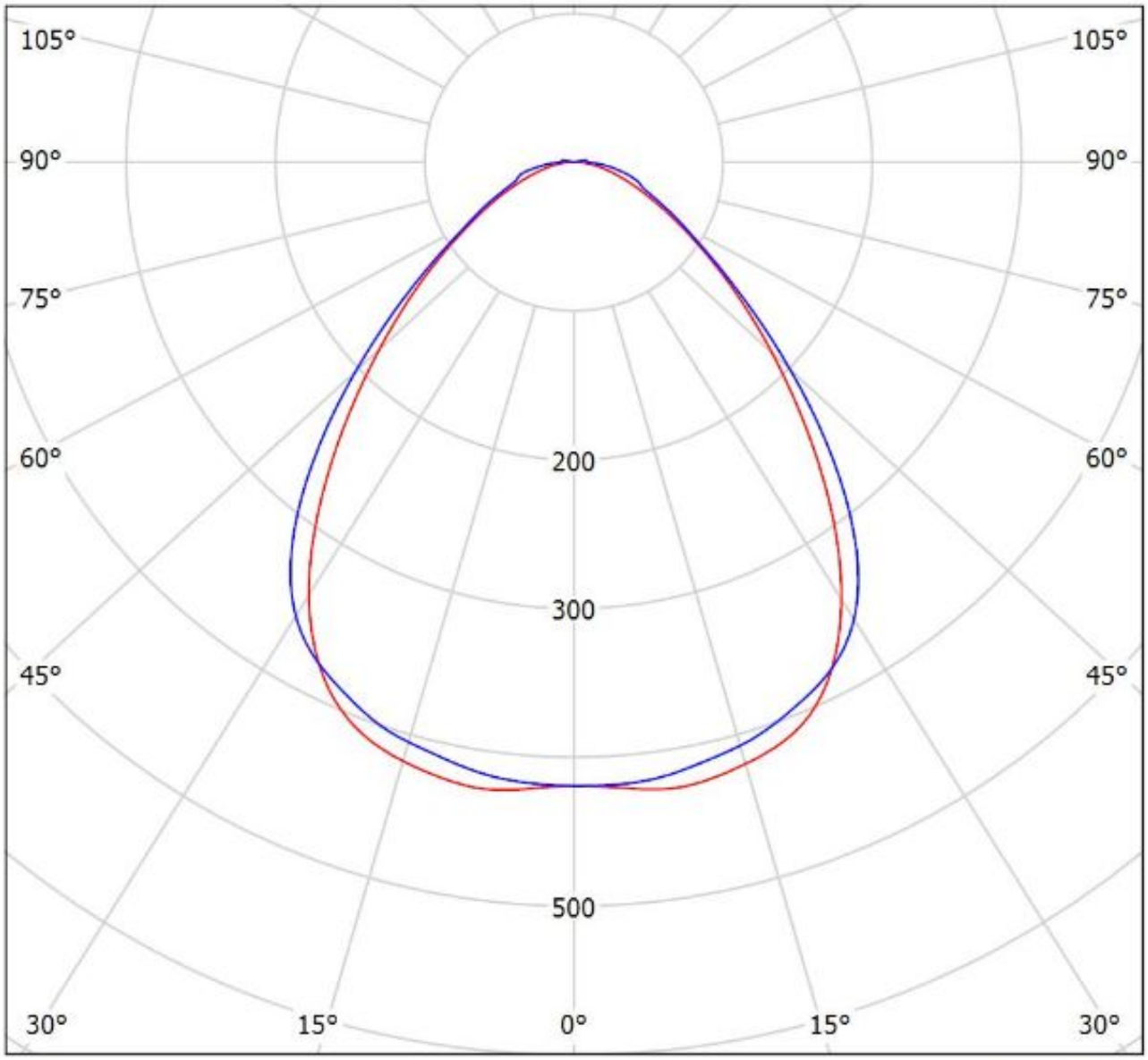


cd/klm

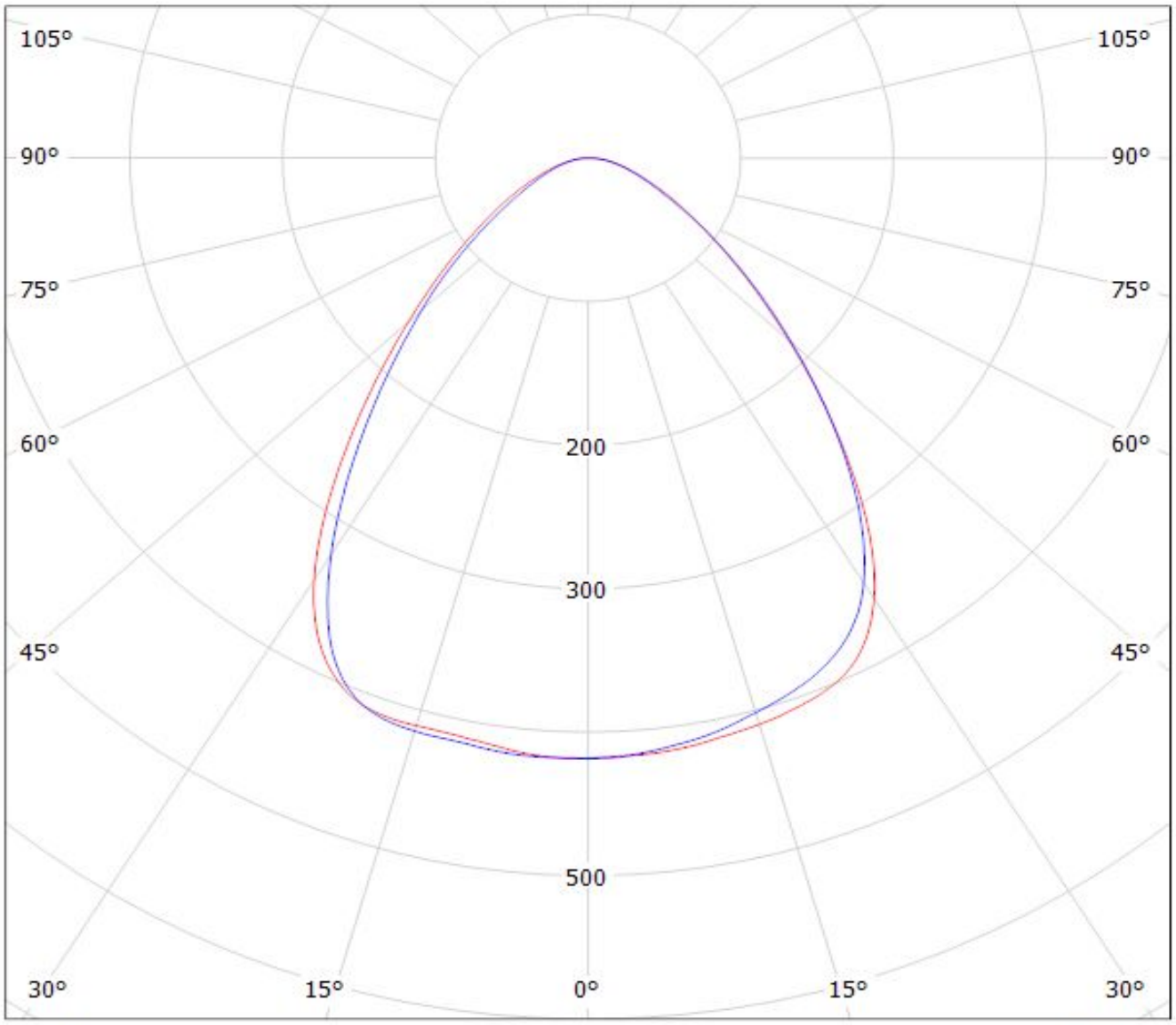
η = 88%

C0 - C180 C90 - C270

Luminaire: Ledil F13853_FLORENCE-Z90_(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 F13853_FLORENCE-Z90_(SAMSUNG_LM561B)
Lamps: 1 x SAMSUNG_LM561B_679.266lm@150mA_P=4.6185W_I=150mA

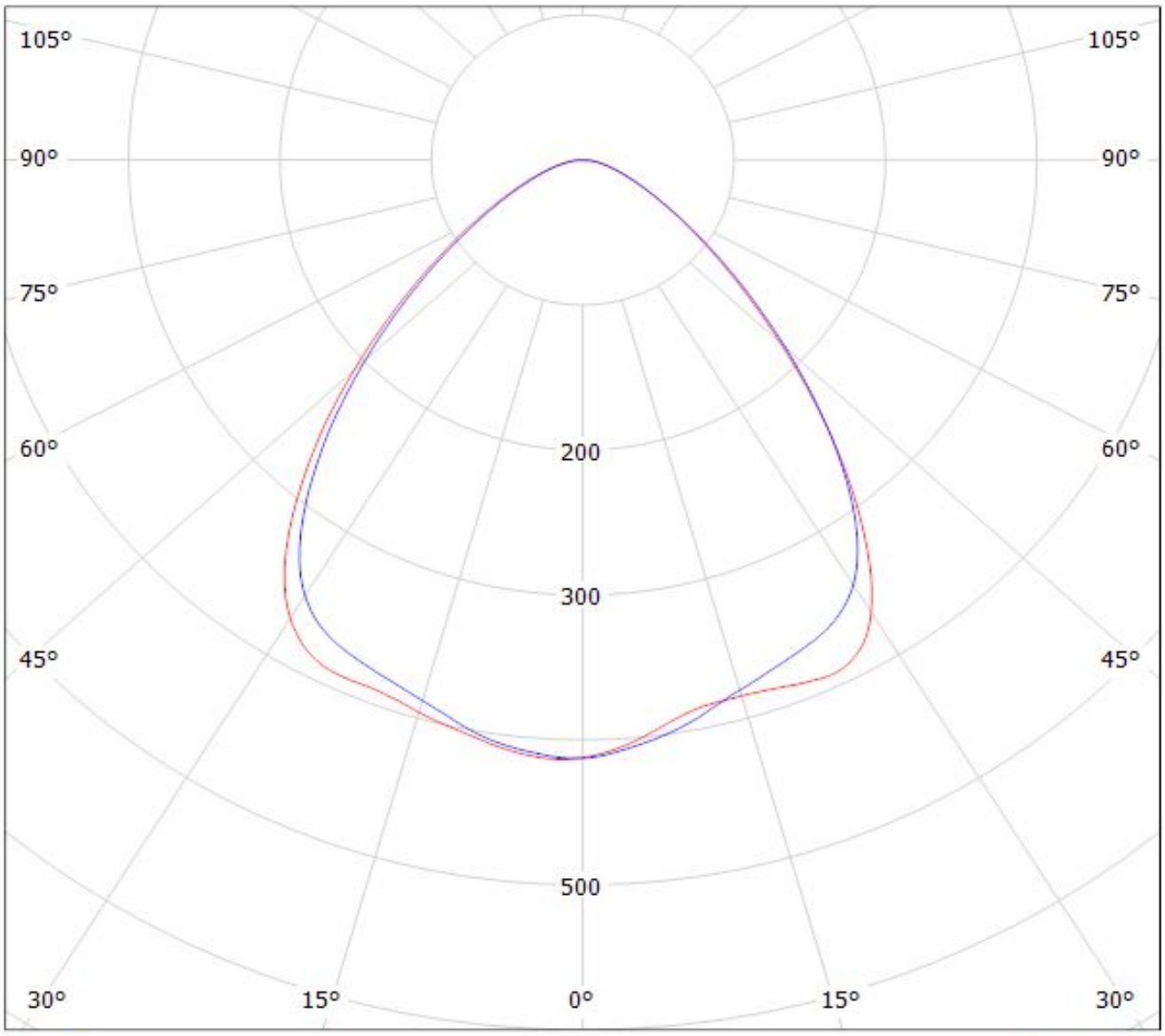


cd/klm

η = 85%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(LM231B) Eff.87.6%
Lamps: 1 x SAMSUNG_LM231B_571.834lm@150mA_P=4.62435W_I=150mA

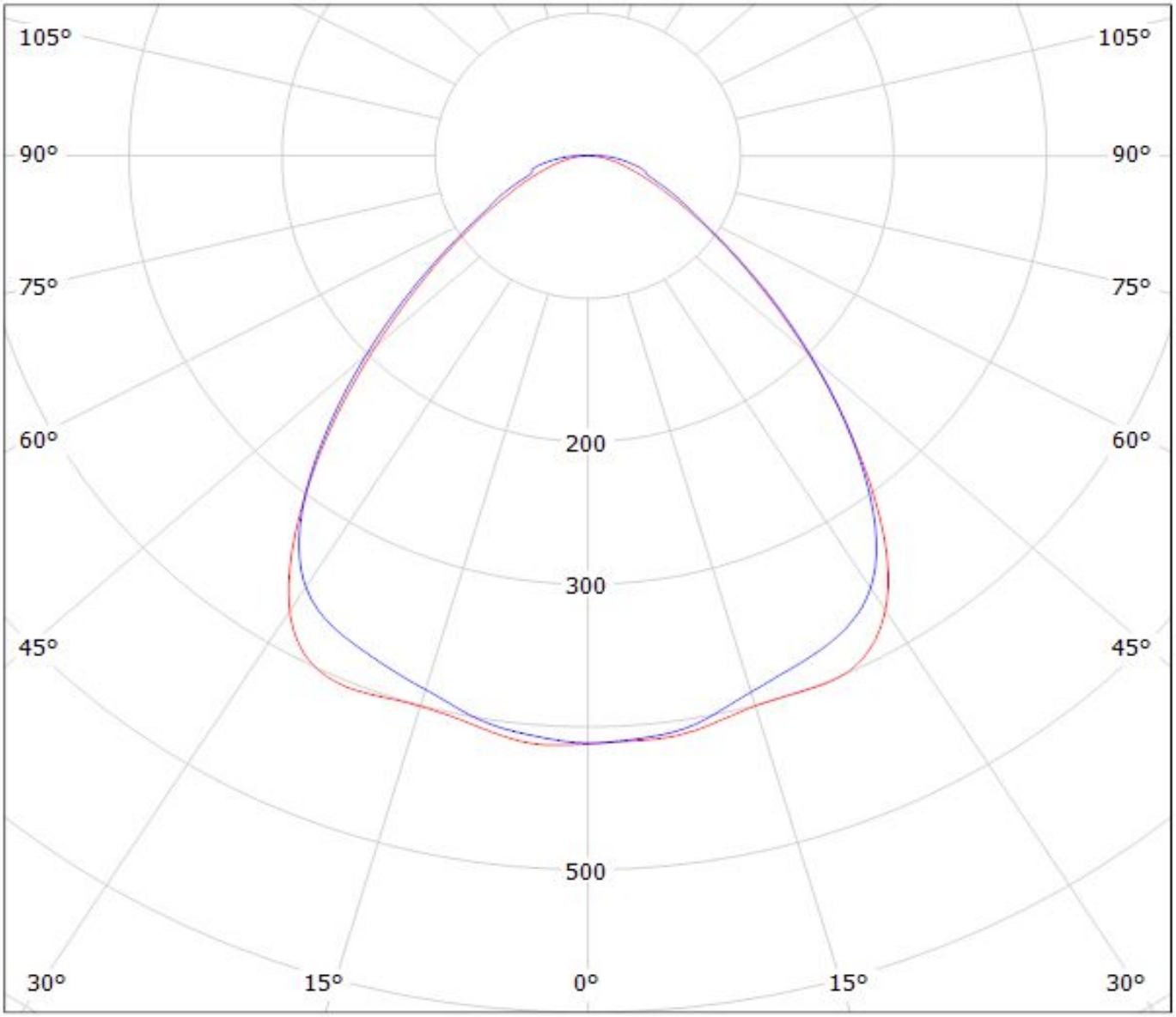


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(LT-R286A)
Lamps: 1 x Samsung_LT-R286A_1304.7lm@250mA_P=8.2181W_I=0.250A

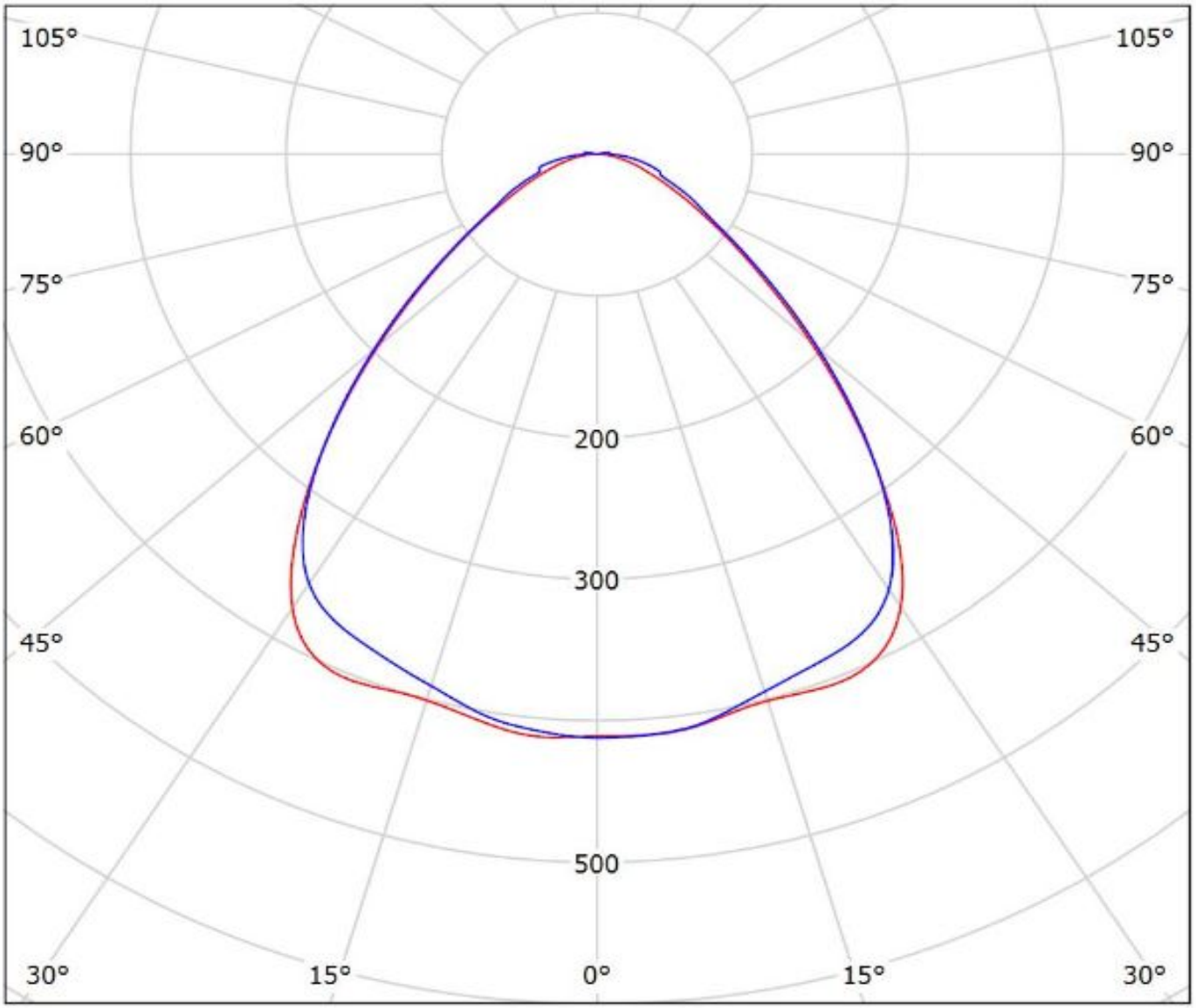


cd/klm

η = 92%

C0 - C180 C90 - C270

Luminaire: Ledil F13853_FLORENCE-Z90_(LM561B PLUS)
Lamps: 1 x Samsung LM561B PLUS 1366.12lm@250mA_P=8.071W_I=0.25A

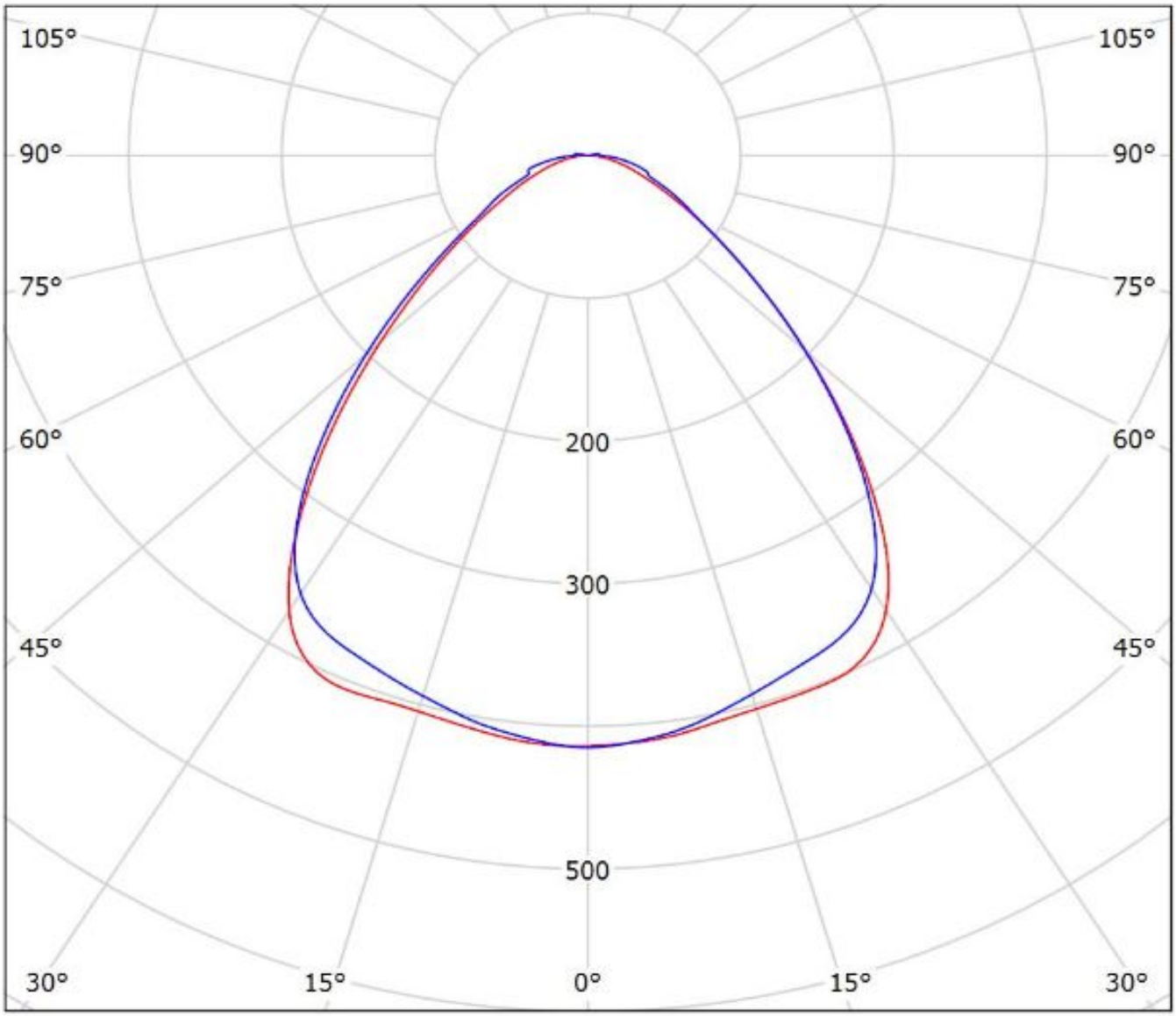


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: Ledil F13853_FLORENCE-Z90_(LM561C)
Lamps: 1 x SAMSUNG LM561C 1407.48lm@250mA_P=7.7190W_I=0.25A

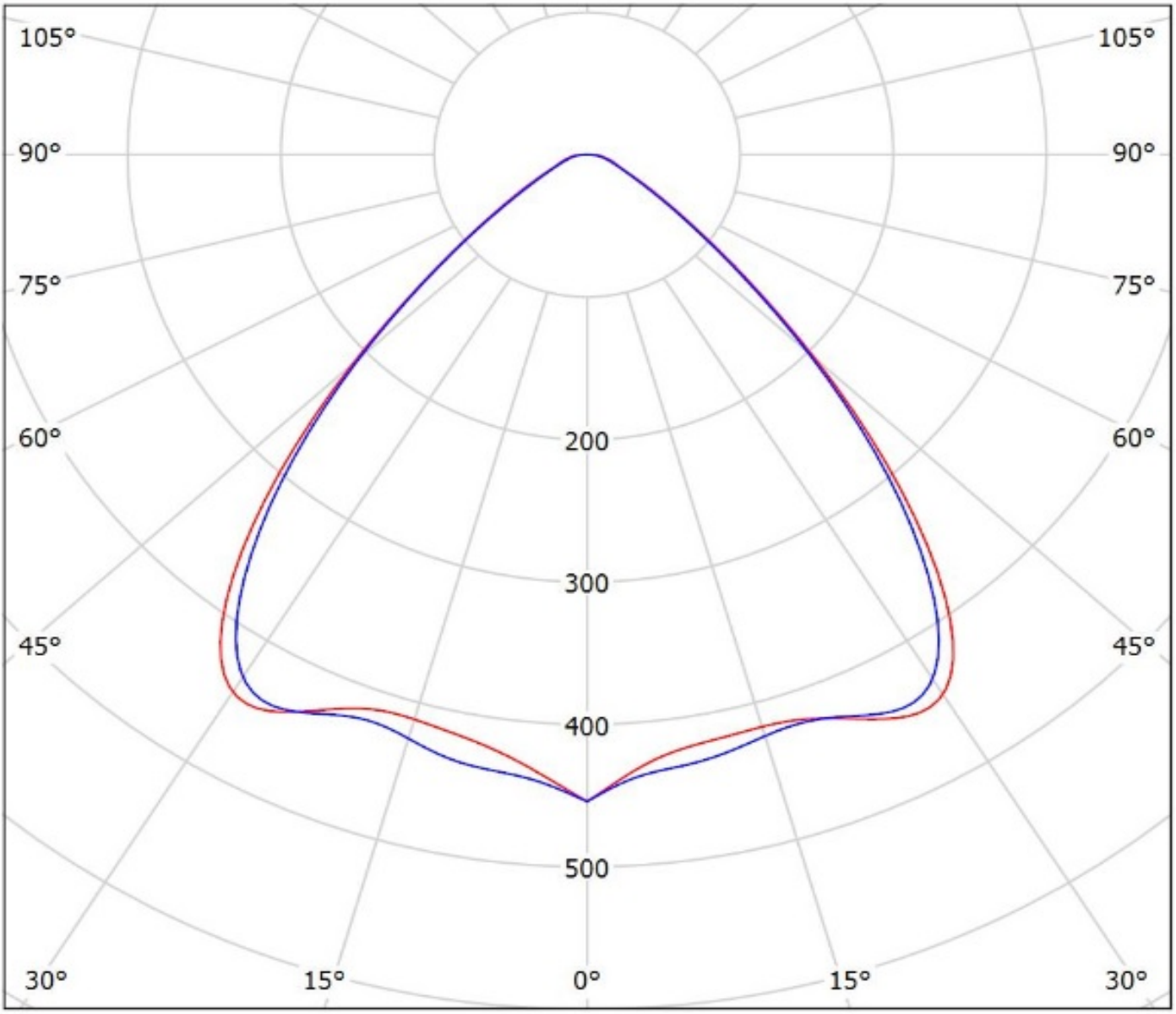


cd/klm

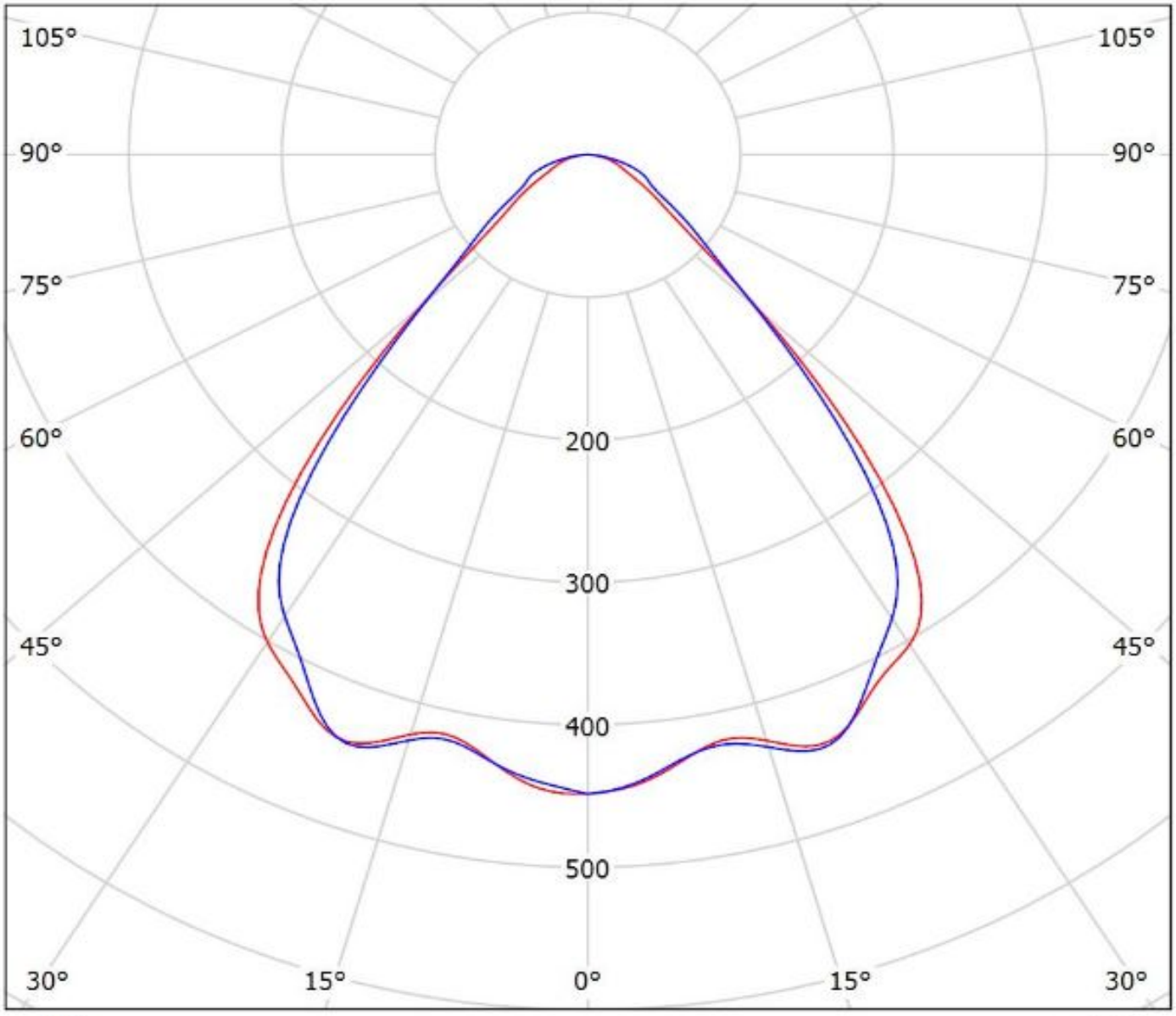
η = 93%

C0 - C180 C90 - C270

Luminaire: Ledil Oy F13853_FLORENCE-Z90_(LM281B)_SIMULATED
Lamps: 1 x Samsung LM281B



Luminaire: Ledil Oy F13853_FLORENCE-Z90_SEOUL_5630_C_SIMULATED
Lamps: 1 x SEOUL 5630 C

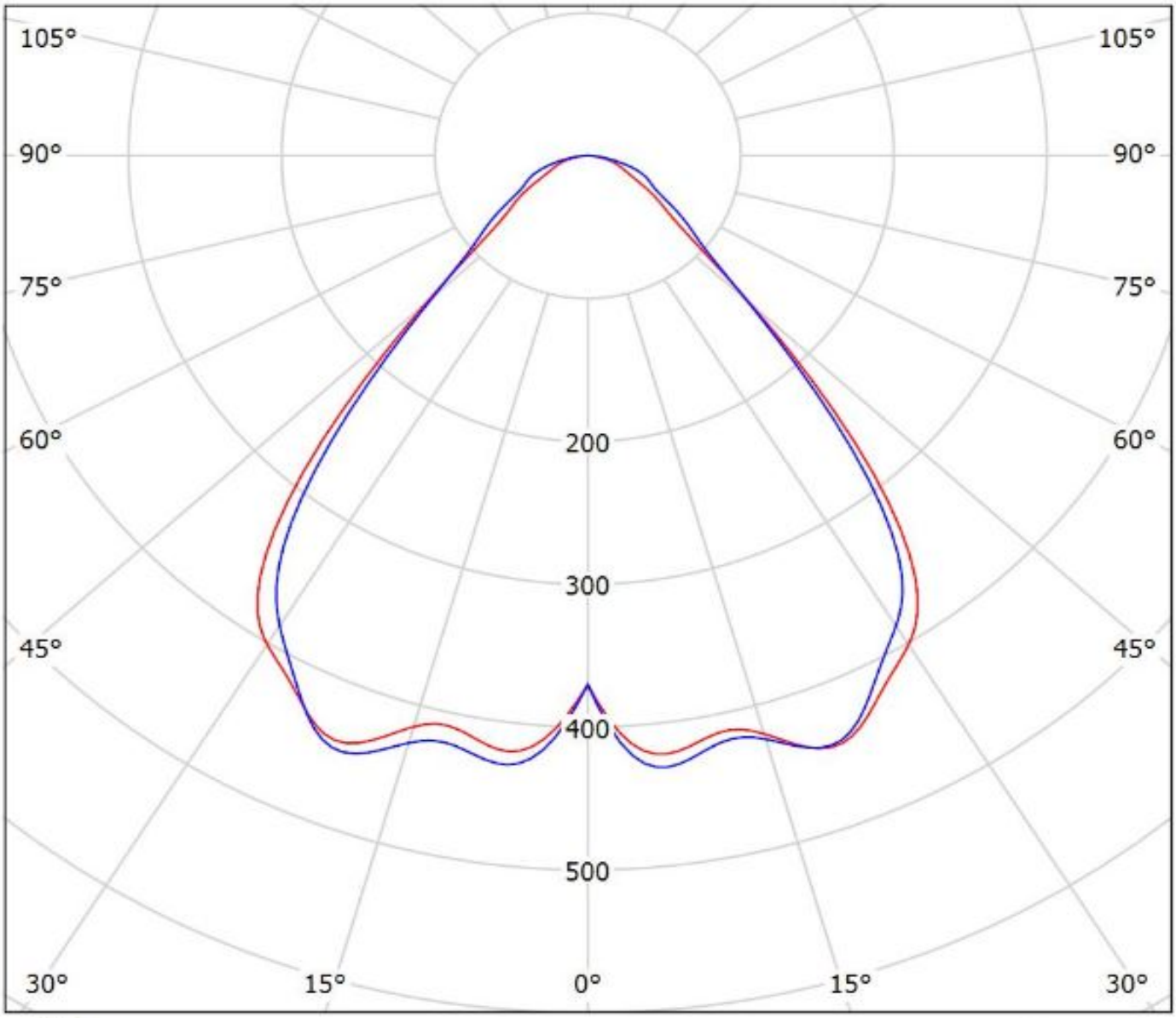


cd/klm

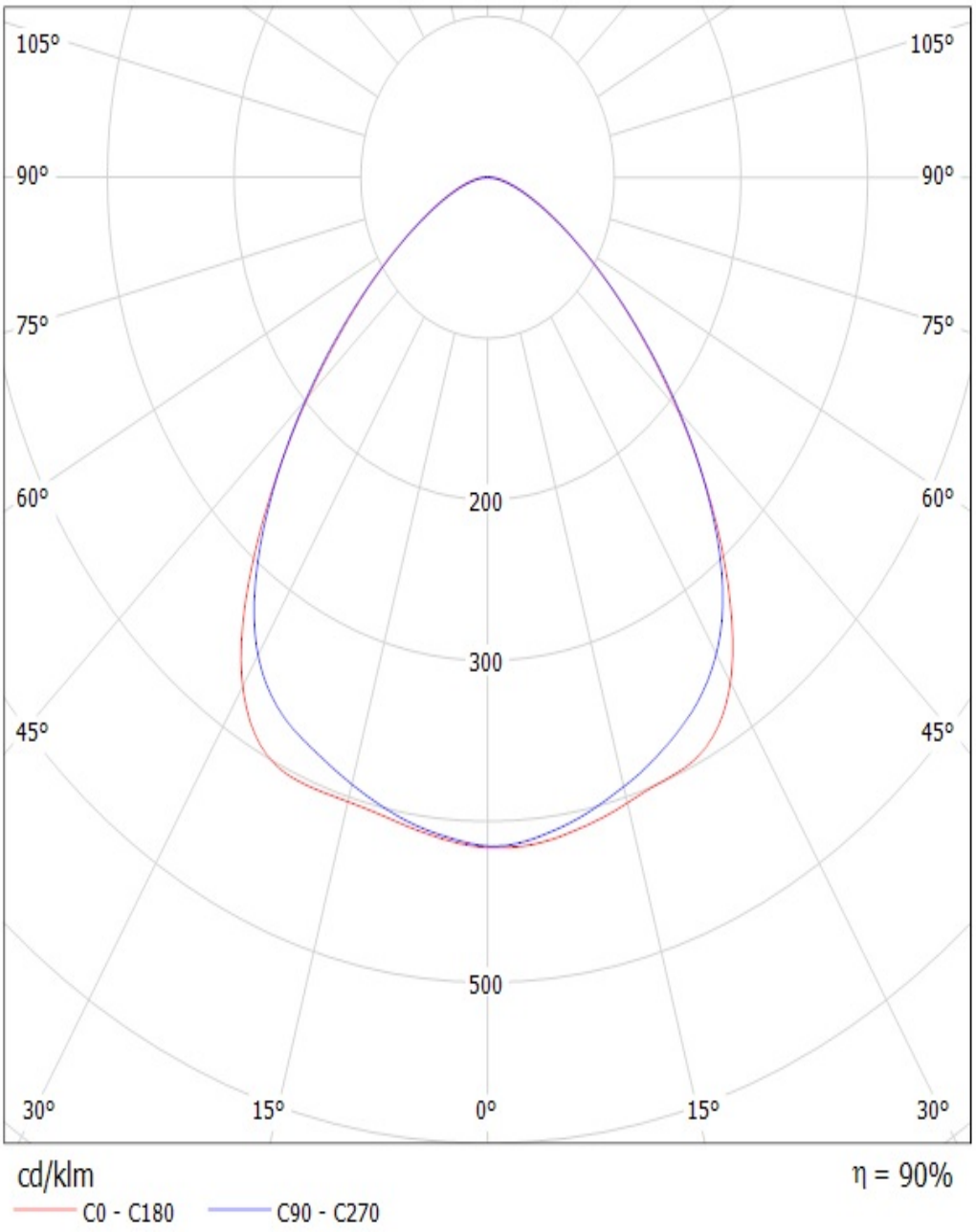
η = 85%

C0 - C180 C90 - C270

Luminaire: Ledil Oy F13853_FLORENCE-Z90_SEOUL_5630_D_SIMULATED
Lamps: 1 x SEOUL 5630 D



Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(LLE-55-280-1650)
Lamps: 1 x Tridonic_STARK_LLE-55-280-1650_(STARK_LLE-55-280-1650-840-CLA)_1478.34lm@325lm_CCT=4000K_P=10.1908W_I=324.9mA



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.