

DETAILS

Product Number	F14112_FLORENCE-Z60
Family	Florence
Type	Lens
Color	clear
Diameter	286 x 61 mm
Height	8,5 mm
Style	rectang
Optic Material	
Holder Material	
Fastening	screw
Status	production ready
ROHS Compliant	Yes
Date Updated	4/07/2016

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
5630 (ASMU-LWG0-NxxE)	60 deg	Very Wide	91 %	0.780	-
TRIDINO R3 8x0 1100 1ft HV	57 deg	Very Wide	88 %	0.820	-
XH-B/G	43 deg	Very Wide	87 %	0.860	-
LG 5630	59 deg	Very Wide	90 %	0.790	-
LG 6030	61 deg	Very Wide	89 %	0.733	-
LG 7030	sim: 65	Very Wide	-	sim: 0.810	-
LUXEON 3535 2D	57 deg	Very Wide	89 %	0.822	-
LUXEON 3030 2D	57 deg	Very Wide	88 %	0.830	-
LUXEON XR-3535L (L202 - xxxx033C30691)	59 deg	Very Wide	93 %	0.830	-
LUXEON 3535L HE	58 deg	Very Wide	93 %	0.800	-
MP-2016	58 deg	Very Wide	91 %	0.830	-
NF2x757D	58 deg	Very Wide	92 %	0.847	-
NF2x757G	sim: 62	Very Wide	sim: 91 %	sim: 0.800	-
Duris S5 (Single chip)	58 deg	Very Wide	89 %	0.820	-
Duris E5	59 deg	Very Wide	89 %	0.800	-
PLG2-BAR-1100-xxx-280x55-DC	57 deg	Very Wide	88 %	0.810	-
Duris S2	55 deg	Very Wide	90 %	0.760	-
Fortimo LED Line 1ft 650lm 8x0 3R xV2/58deg	58 deg	Very Wide	90 %	0.790	-
Fortimo LED Line 1ft 1100lm xx0 3R xV2/61deg	61 deg	Very Wide	89 %	0.733	-
Fortimo LED Line 1ft 2000lm 8xx 3R HV/263 deg	263 deg	Very Wide	93 %	0.700	-
LM231 A/B	56 deg	Very Wide	89 %	0.880	-
LM561B	59 deg	Very Wide	86 %	0.770	-
LM362A	59 deg	Very Wide	85 %	0.766	-
LT-R286A	58 deg	Very Wide	93 %	0.810	-
LM561B Plus	59 deg	Very Wide	93 %	0.800	-





PRODUCT DATASHEET

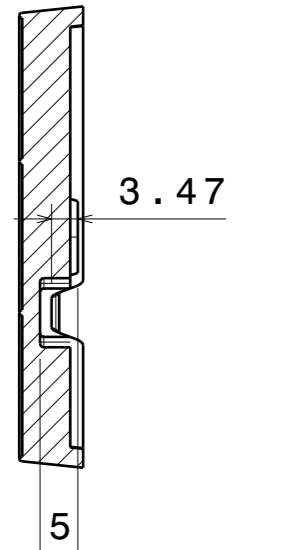
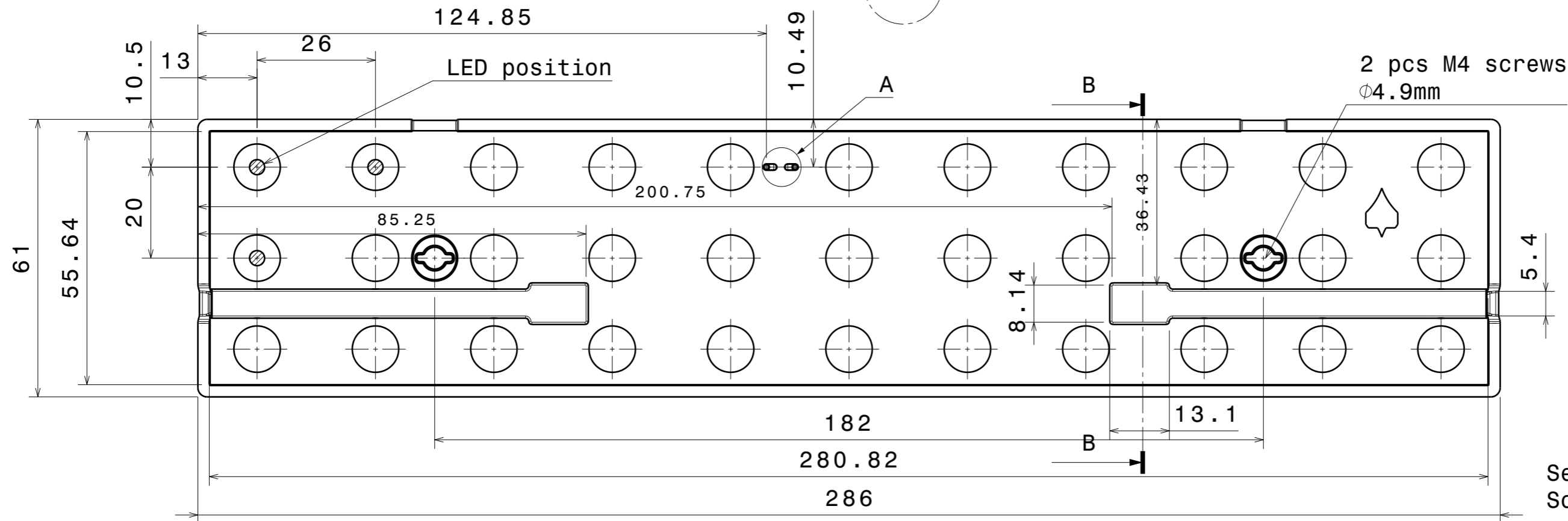
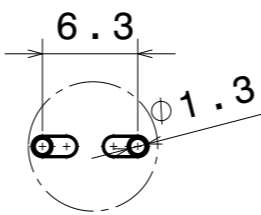
Florence series

last update 4/7/2016

OPTICAL PROPERTIES

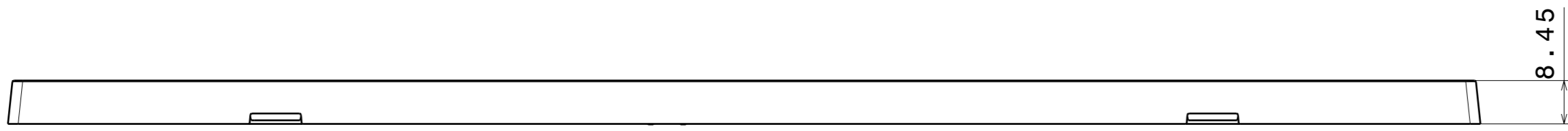
LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
LM561C	59 deg	Very Wide	93 %	0.800	-
STARK LLE-55-280-1650 CLASSIC	59 deg	Very Wide	91 %	0.780	-

Detail A
Scale: 2:1

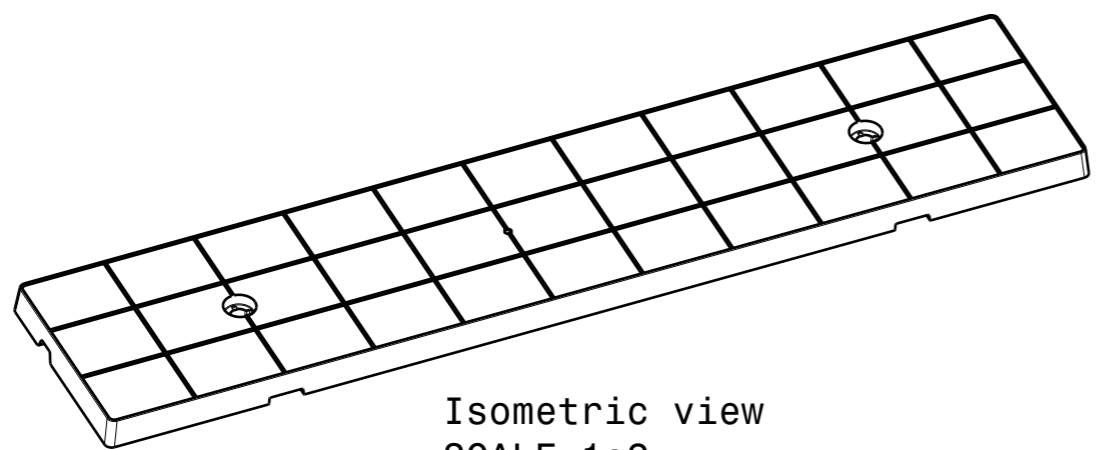


Section view B-B
Scale: 1:1

Bottom view



Front view



Isometric view
SCALE 1:2

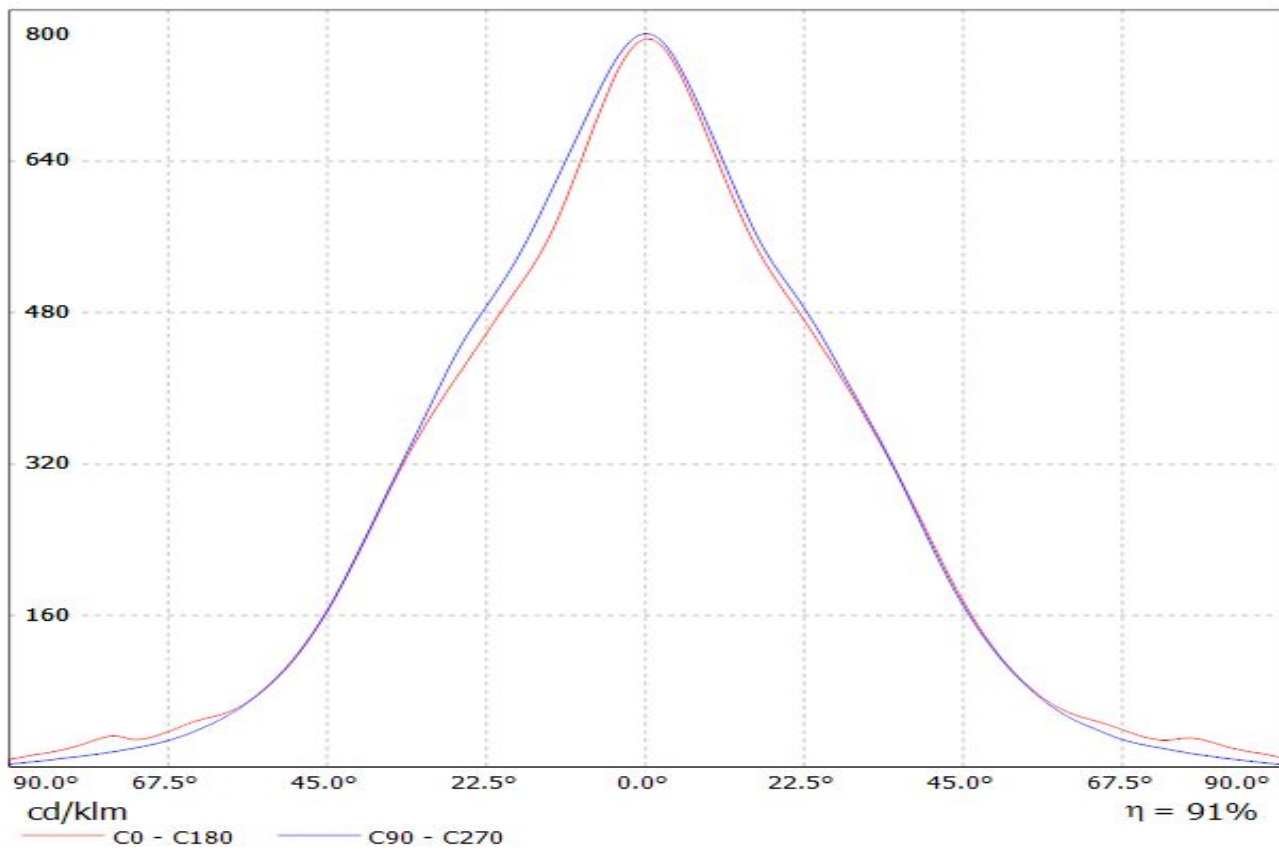
Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

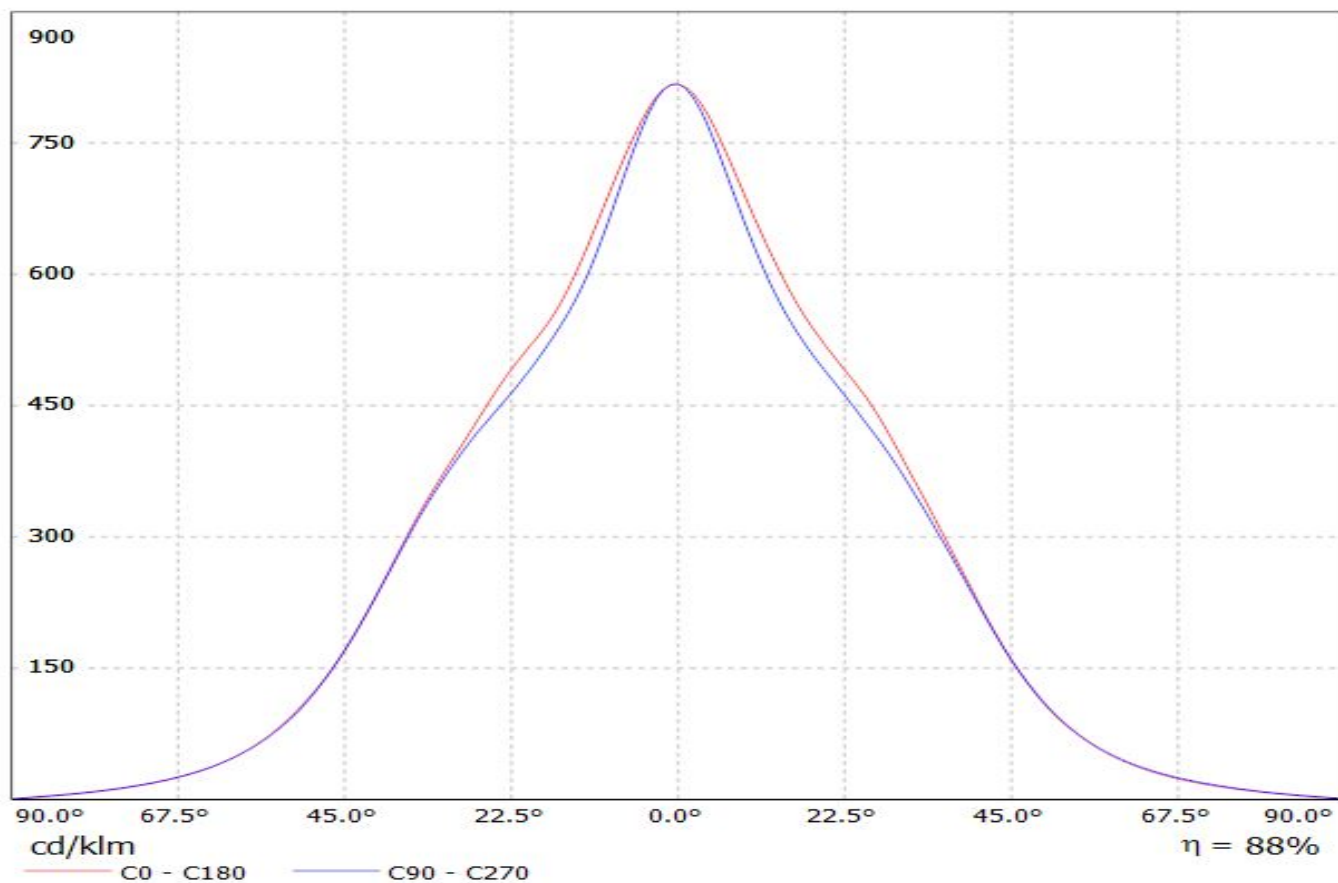
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."

LEDiL	LediL Oy Salorankatu 10 FIN 24240 SALO Finland		
	DRAWING TITLE Datasheet_FLORENCE-Z		
SIZE	PART NUMBER		
A3	MechanicalModel		
SCALE	1:1	WEIGHT (g)	SHEET 1/1

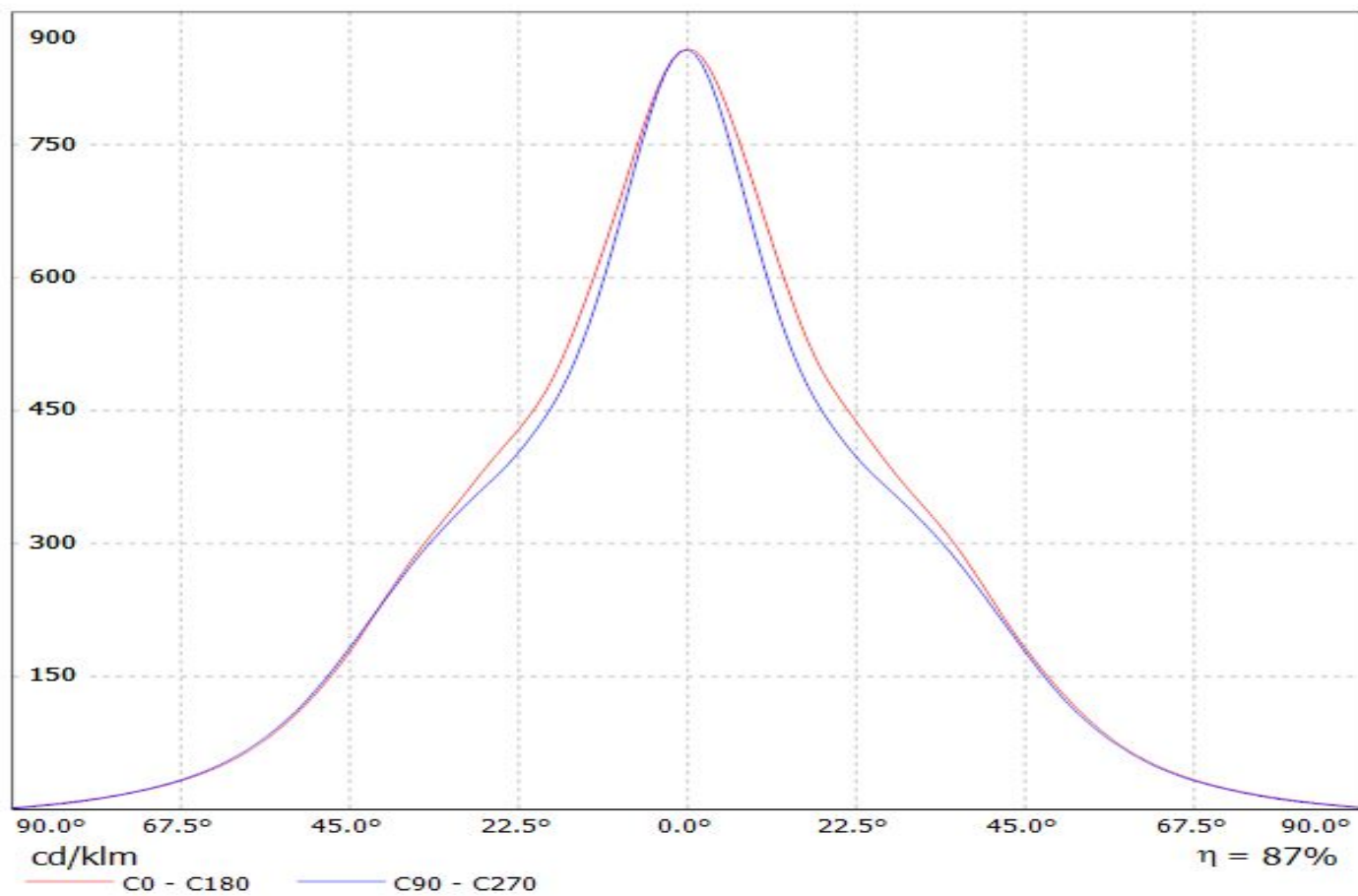
Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(AVAGO 5630 0.5W)
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(TRIDINO-R3)_GS
Lamps: 1 x Comet_Electronic sin_TRIDINO-R3-8x0-1100-1ft-HV_1299.6lm@250mA_P=8.07304W_I=0.250A

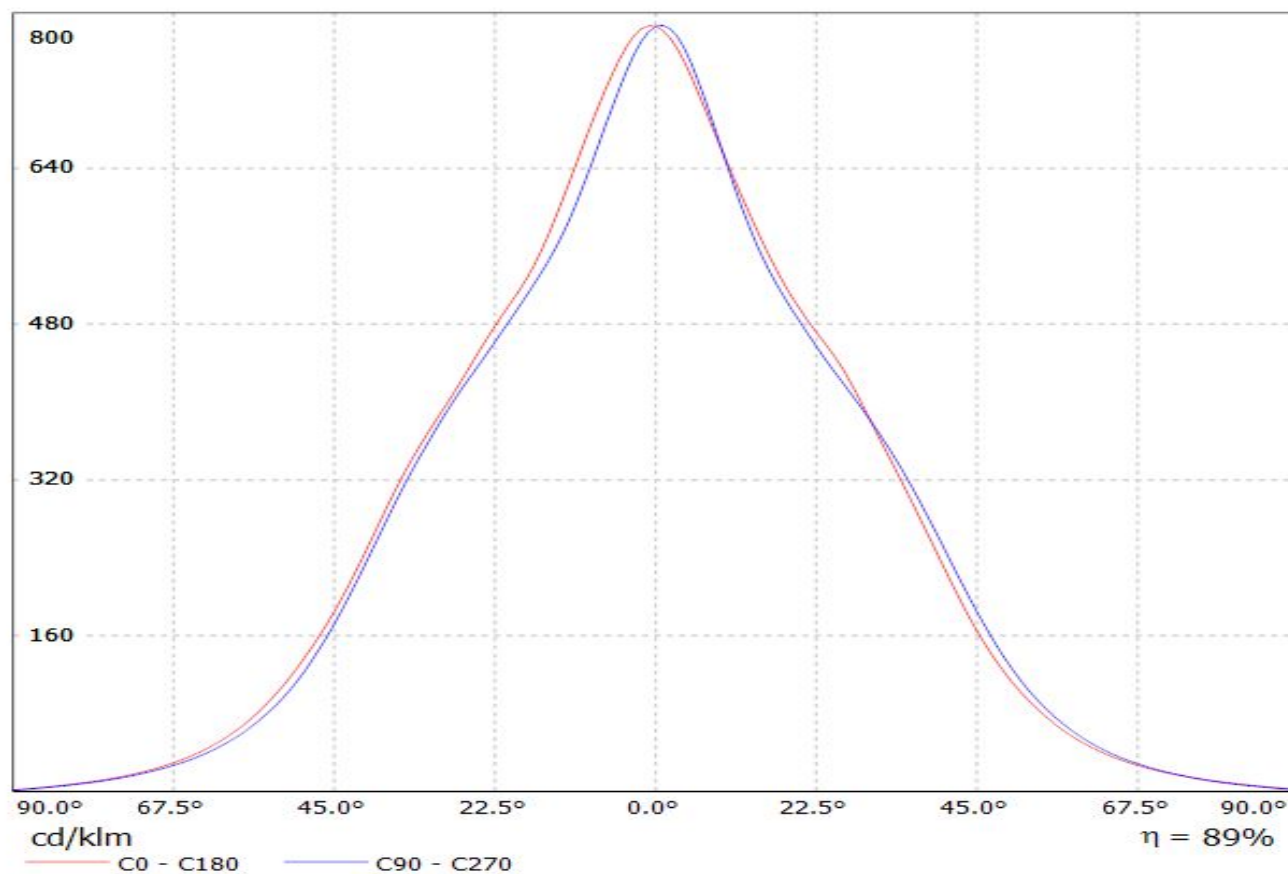


Luminaire: LEDiL Oy F14112_Florence-Z60_(XH-G) Eff.87.4%
Lamps: 1 x CREE_XH-G_(XHGAWT-0-7B4-J30-0H-0001)_1055.65lm@250mA_P=8.1195W_I=249.8mA

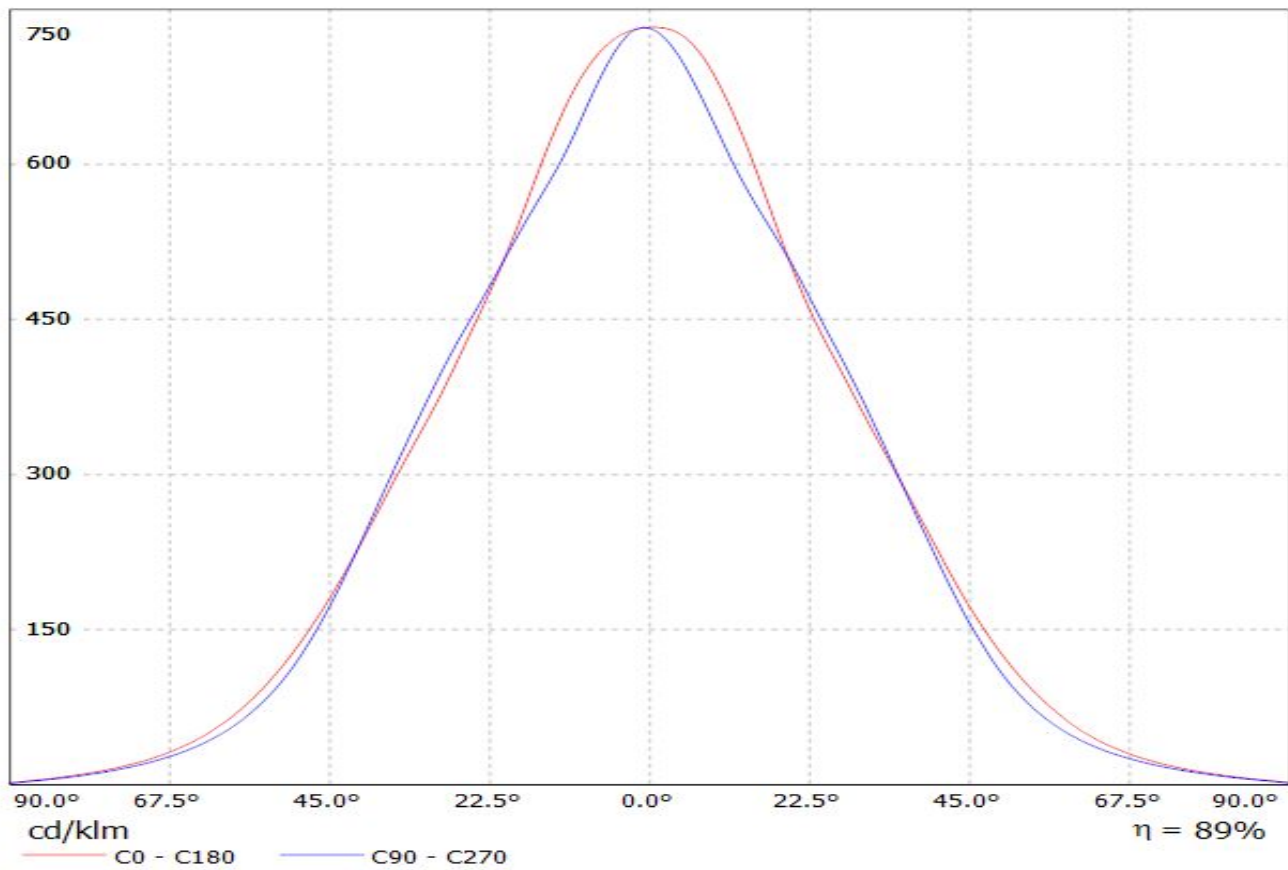


Luminaire: LEDiL Oy F14112_Florence-Z60 Eff.89.5%

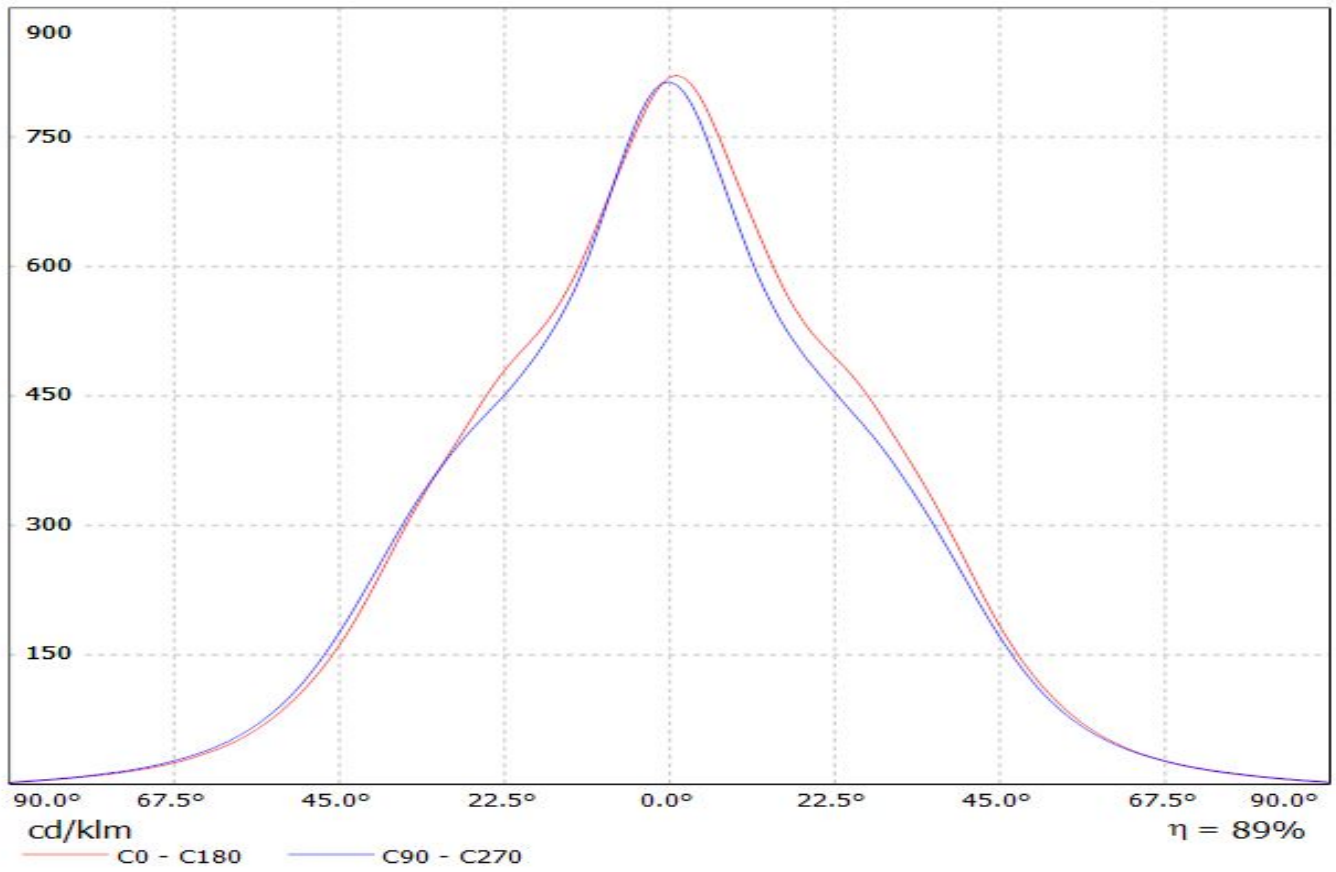
Lamps: 1 x FLORENCE_FORTIMO_(LG_5630)_1011.03lm@250mA P=8.41224W I=250.7mA



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LG_6030) Eff 89.0%
Lamps: 1 x LG_6030_(LEWMS68T80HZ)_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA

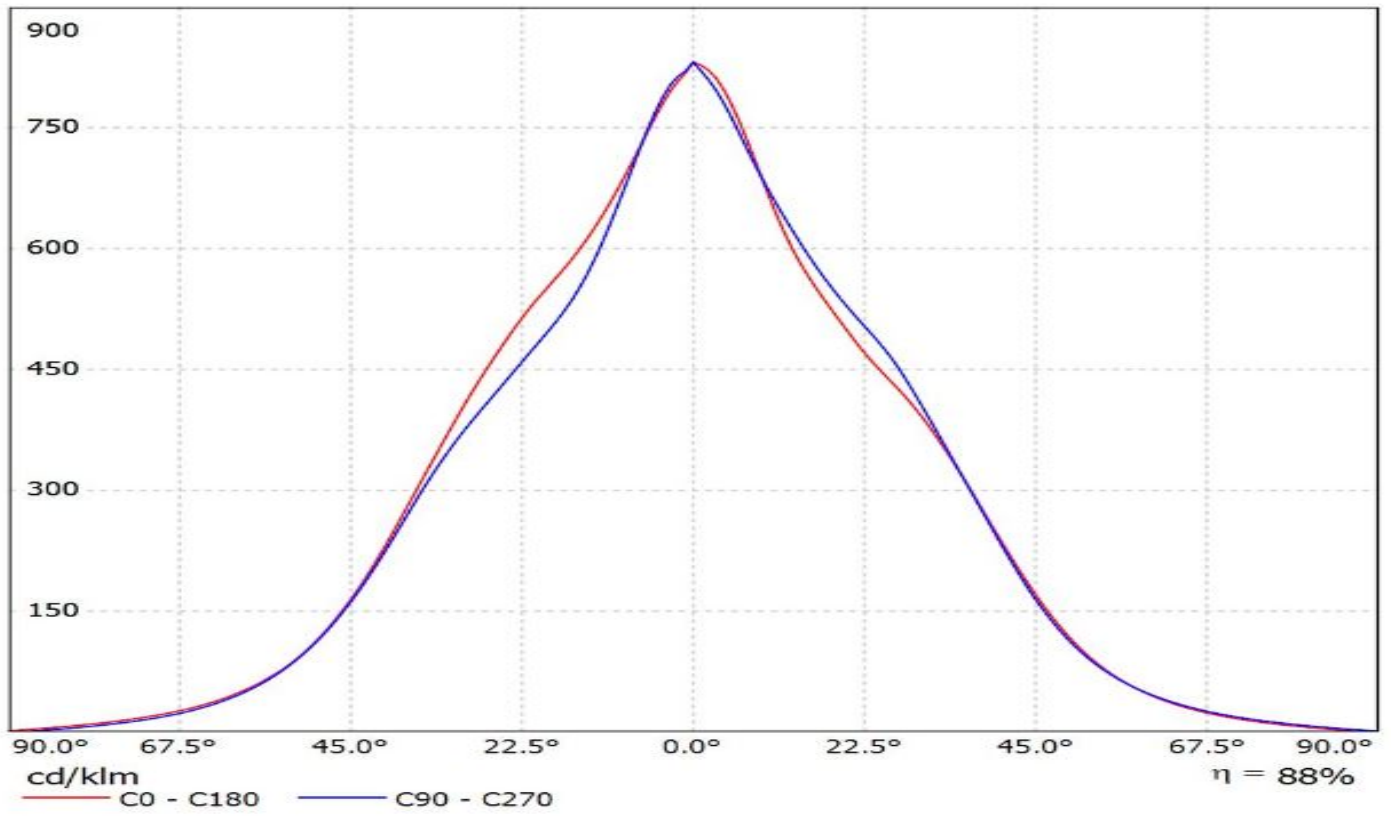


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LUXEON_3535_2D) Eff.88.8%
Lamps: 1 x LUXEON_3535_2D_1513.88lm@200mA_P=12.7114W_I=199.9mA



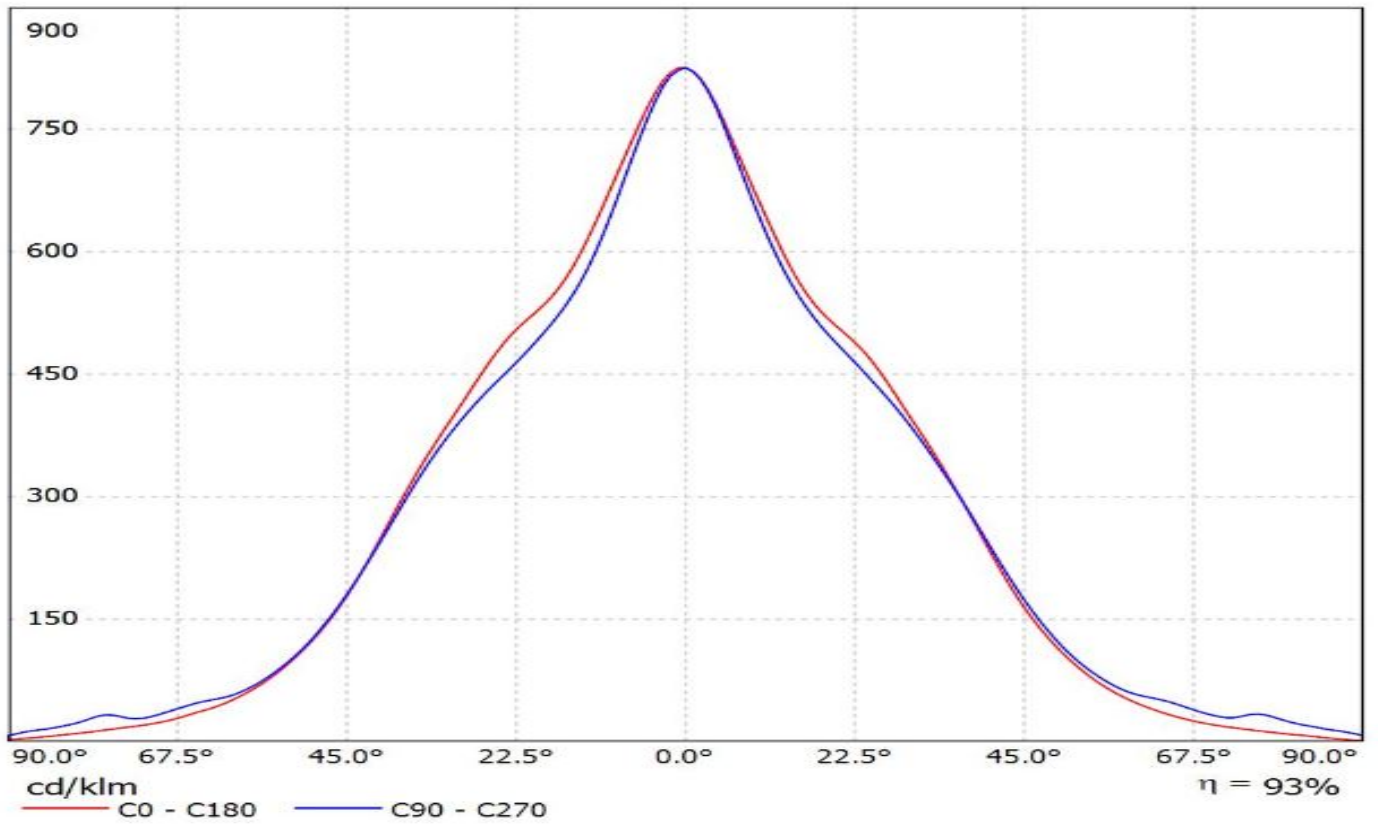
Ledil F14112_FLORENCE-Z60_(Luxeon_3030_2D) / LDC (Linear)

Luminaire: Ledil F14112_FLORENCE-Z60_(Luxeon_3030_2D)
Lamps: 1 x Luxeon_3030_2D_3x11_(L130-4080003000W21)
_2150lm@300mA_CCT=4000K_P=12.8W_I=0.3A

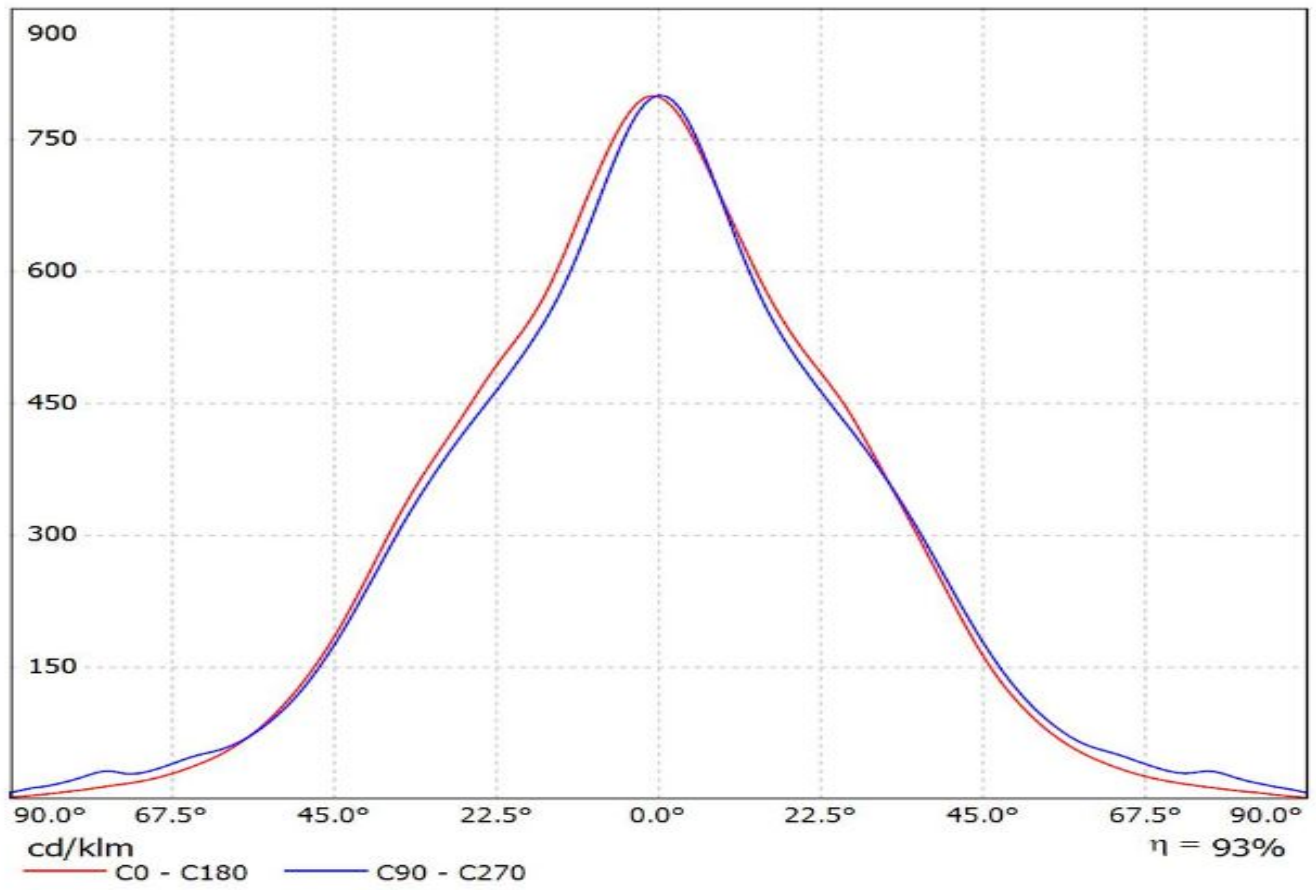


Ledil F14112_FLORENCE-Z60_(Luxeon_XR-3535L) / LDC (Linear)

Luminaire: Ledil F14112_FLORENCE-Z60_(Luxeon_XR-3535L)
Lamps: 1 x Lumileds_Luxeon_XR-3535L_3x11_(L202-3080033C30001)
_1087.37lm@250mA_CCT=3000K_P=8.15W_I=0.25A



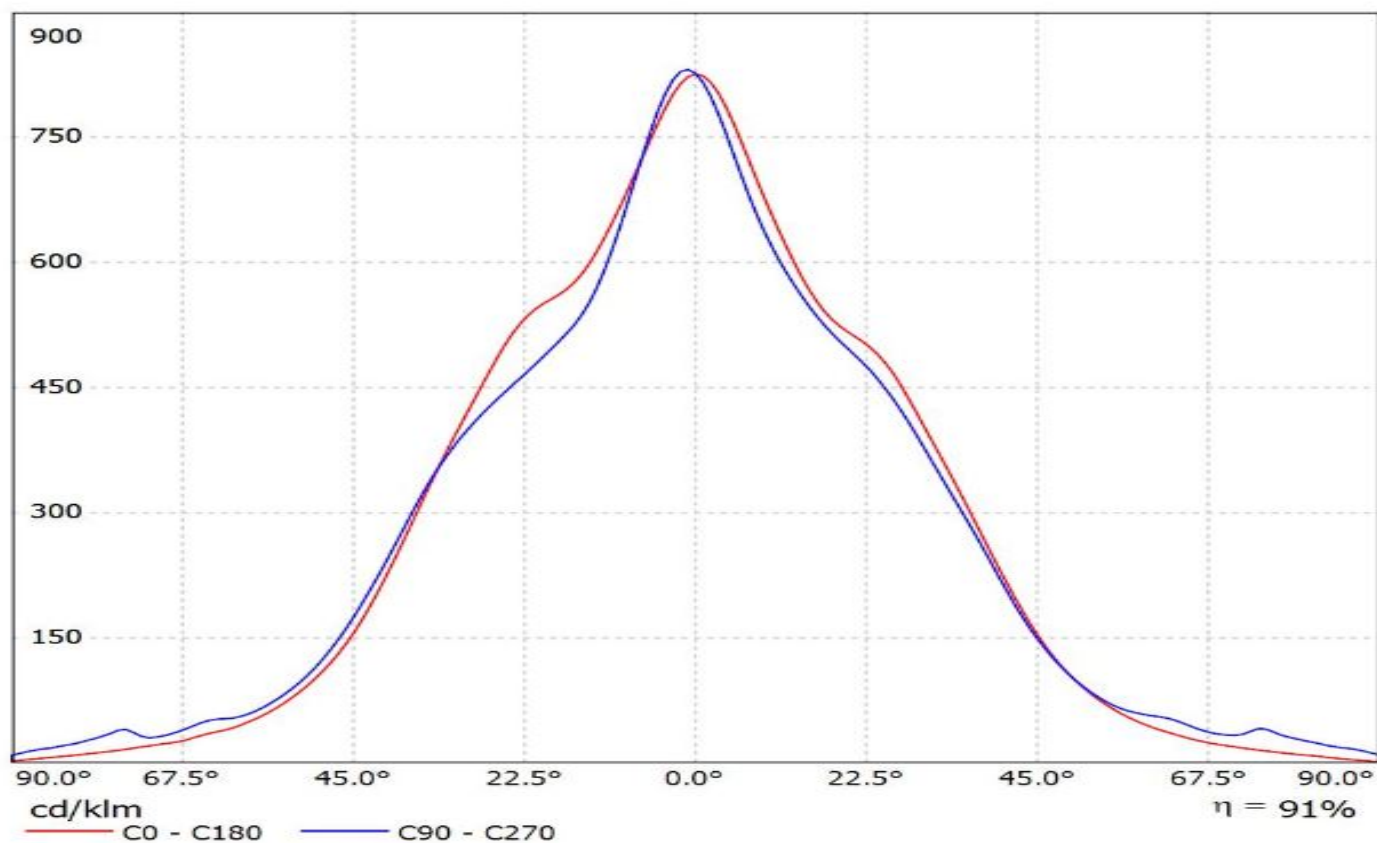
Luminaire: Ledil F14112_FLORENCE-Z60 (Luxeon 3535L HE)
Lamps: 1 x Luxeon 3535L HE 1290.2lm@250mA_P=7.7240W_I=0.25A



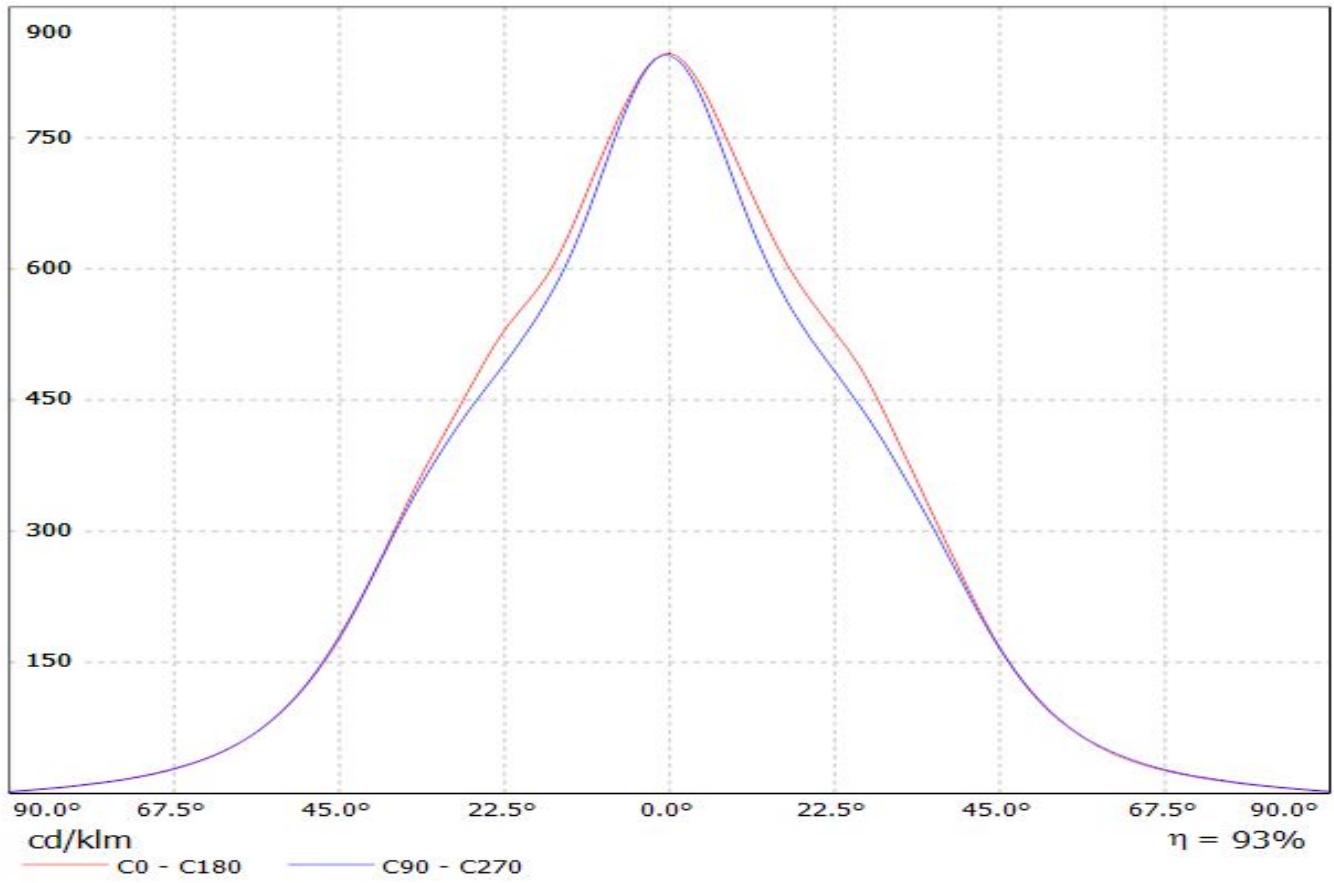
Ledil F14112_FLORENCE-Z60_(MP-2016) / LDC (Linear)

Luminaire: Ledil F14112_FLORENCE-Z60_(MP-2016)

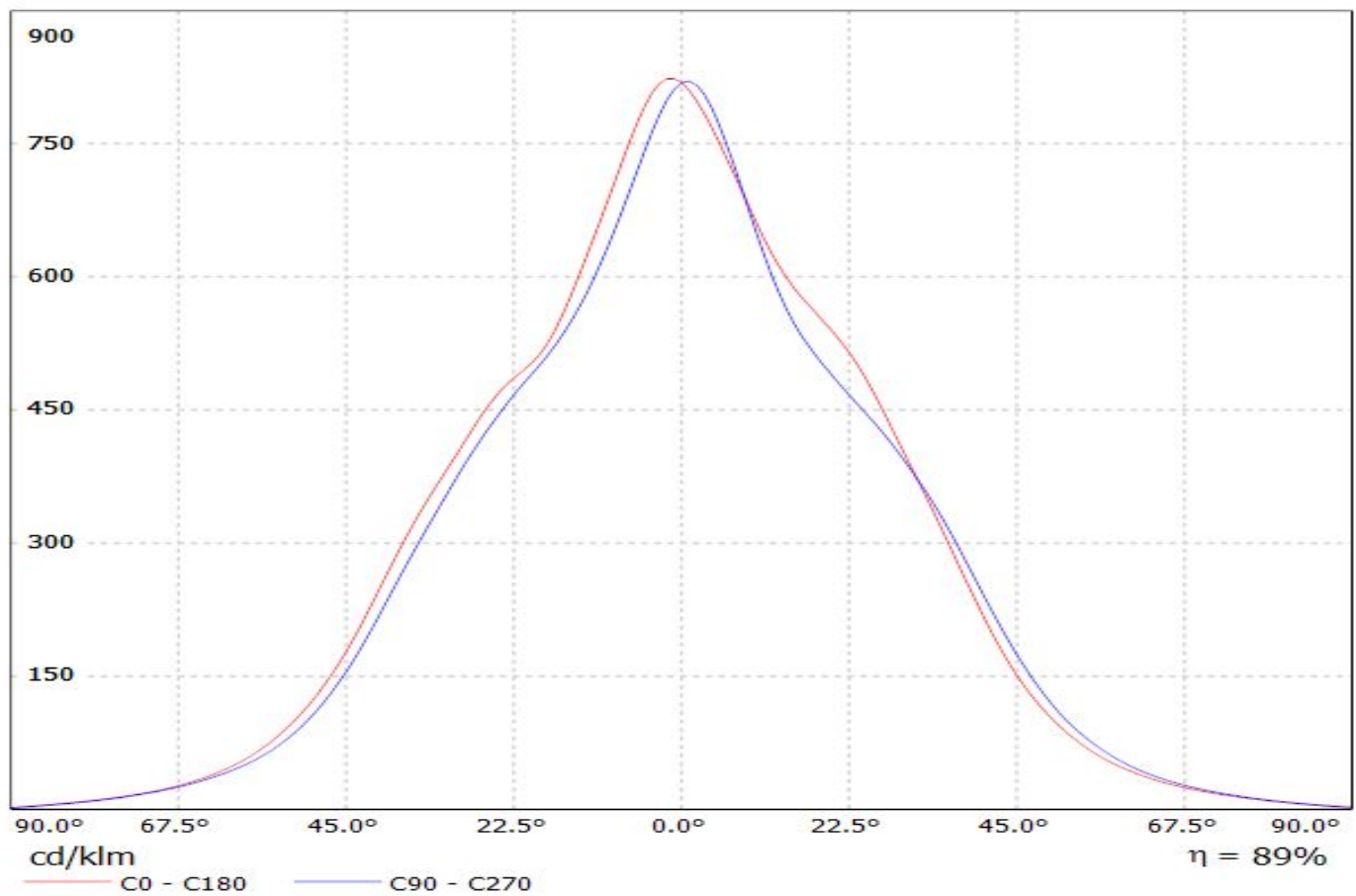
Lamps: 1 x Luminus_MP-2016_x22_(LUMMP-1100-30-80)_715.864lm@180mA_P=6W_I=0.18A



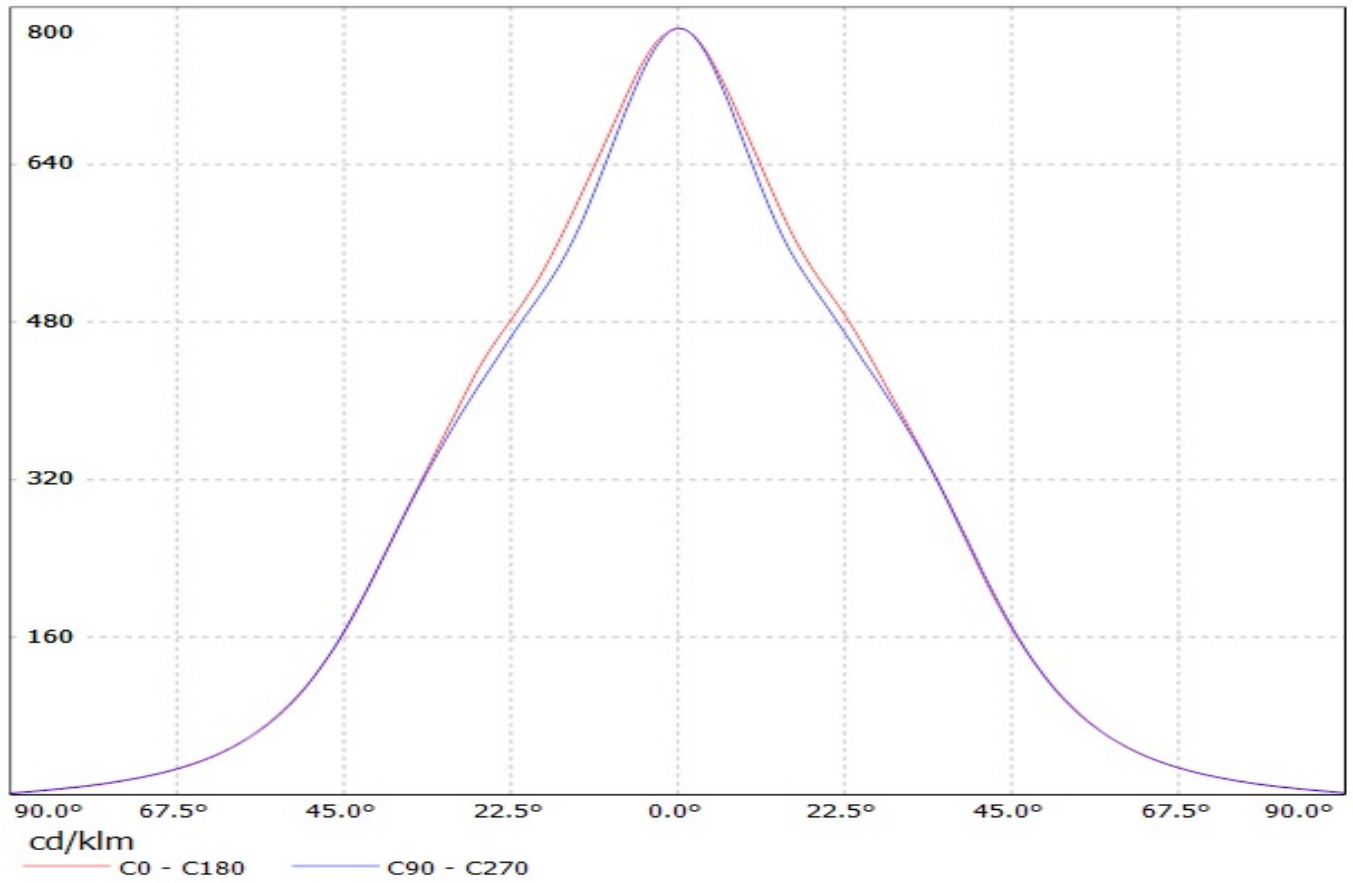
Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(Nichia757)
Lamps: 1 x NICHIA_757 (NT2W757DRT) 1387lm@150mA



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(DURIS_S5) Eff.88.8%
Lamps: 1 x DURIS_S5_500.39lm@120mA_P=3.76814W_I=120.1mA

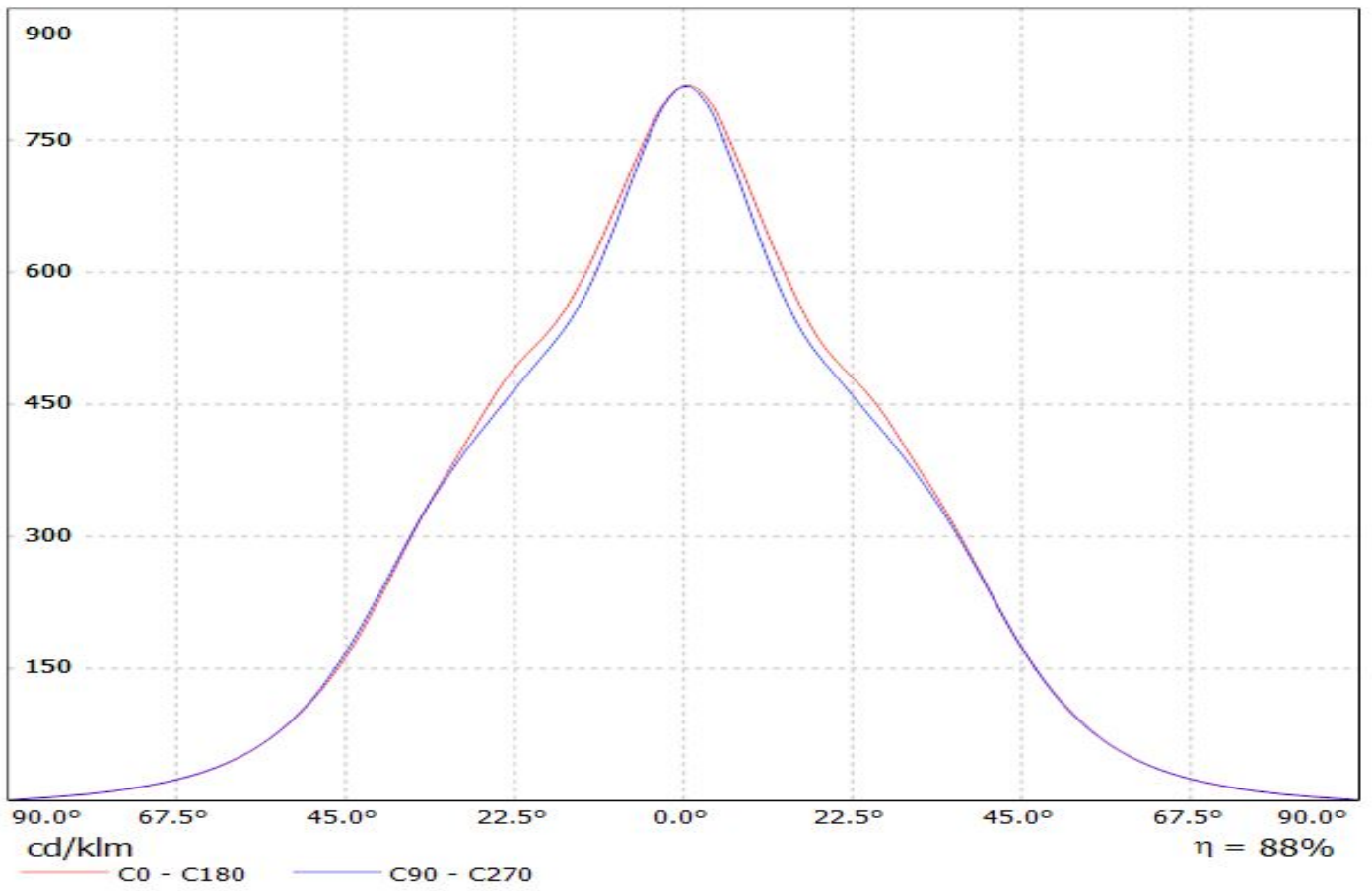


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(DURIS_E5) Eff. 89%
Lamps: 1 x Osram_DURIS_E5_567.032lm@120mA_P=3.6693W_I=120.1mA

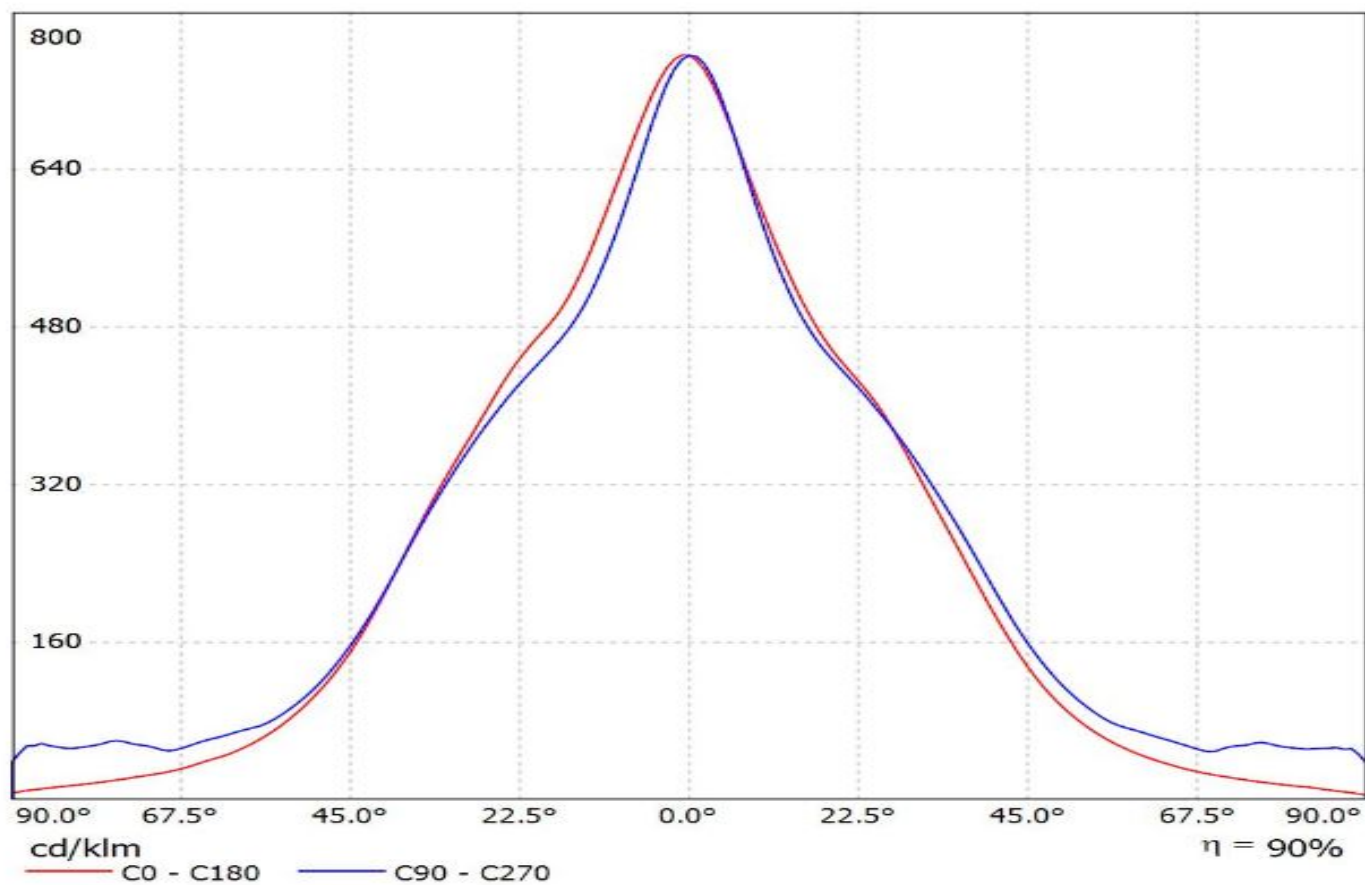


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(Osram_PLG2-BAR)

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

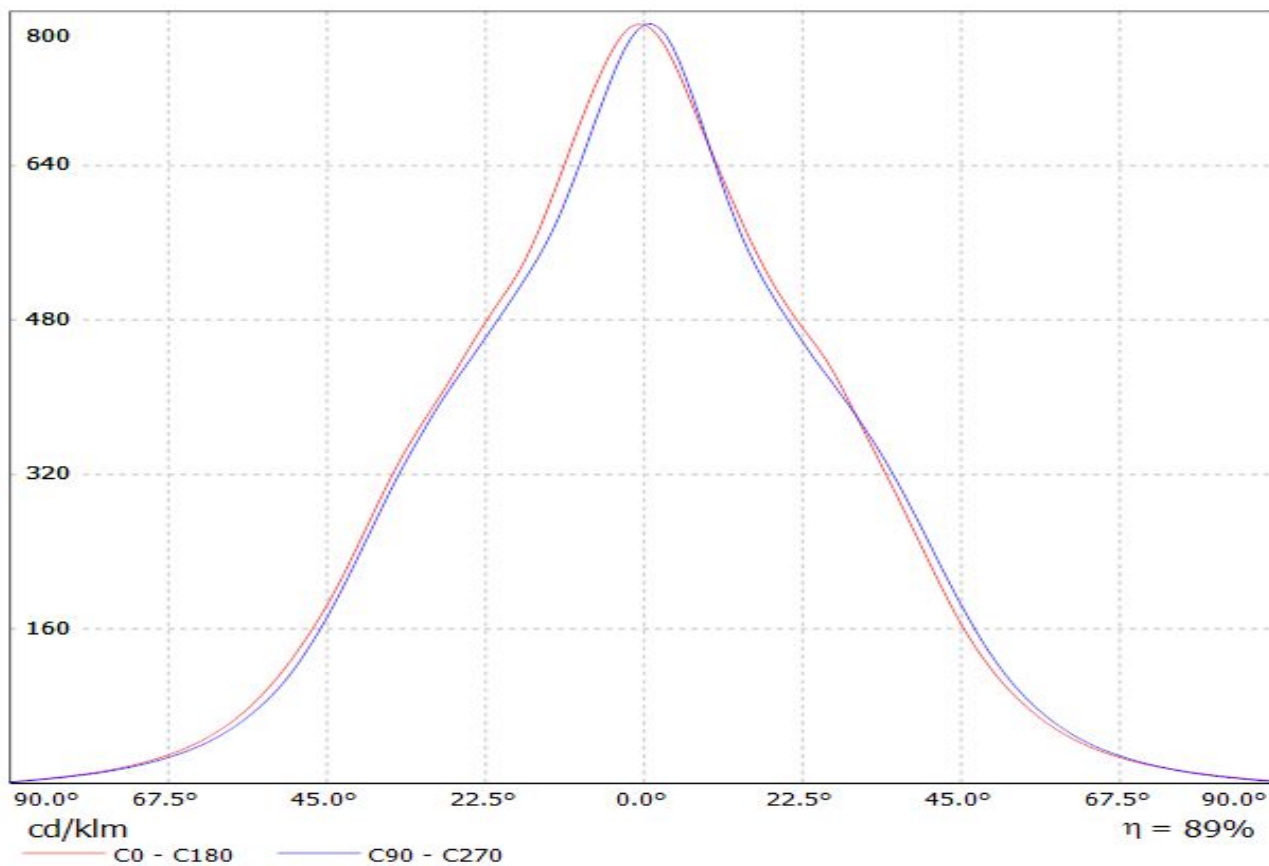


Luminaire: Ledil F14112_FLORENCE-Z60_(Duris_S2)
Lamps: 1 x Osram_Duris-S2_3x11_(GW_SBLMA1.EM-GUHQ-XX37-L1N2)
_876.783lm@195mA_CCT=3000K_P=6.3082W_I=0.195A

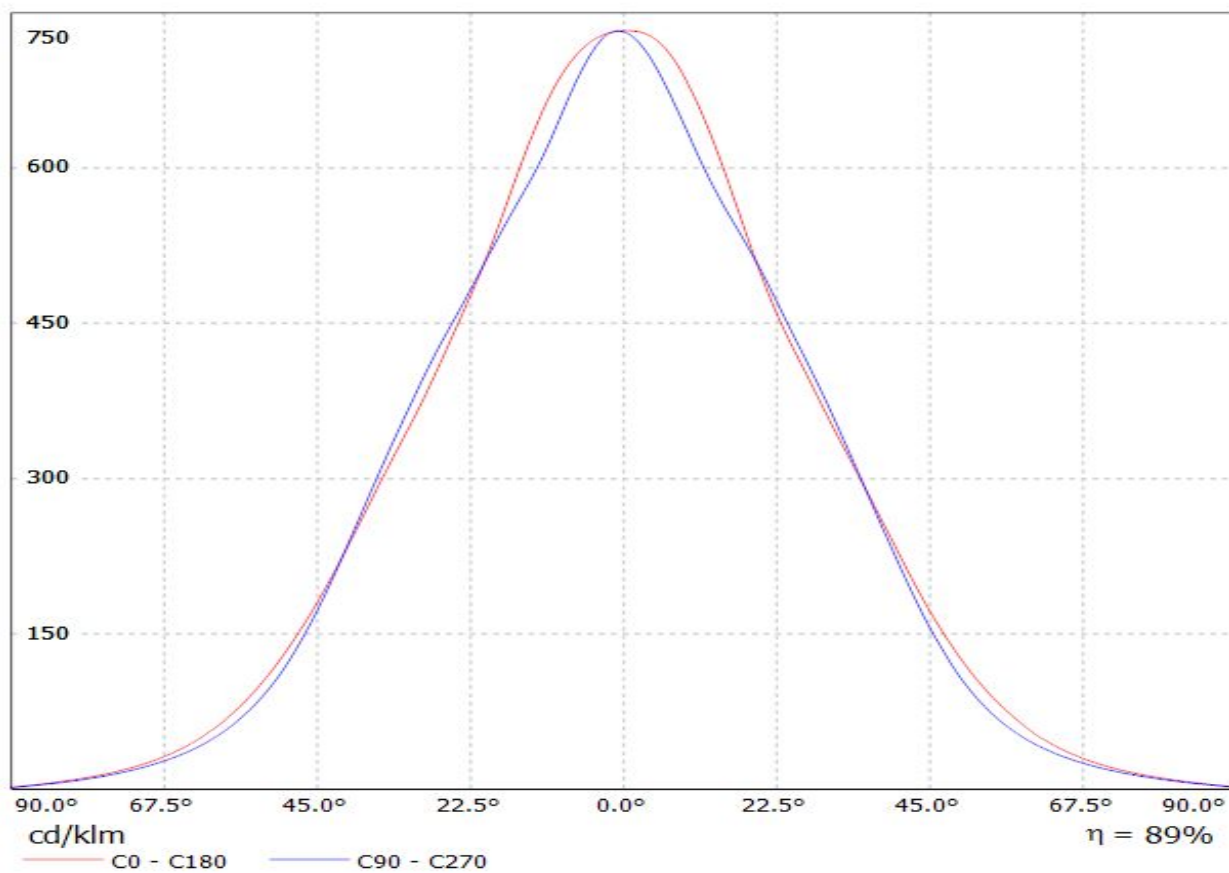


Luminaire: LEDiL Oy F14112_Florence-Z60 Eff.89.5%

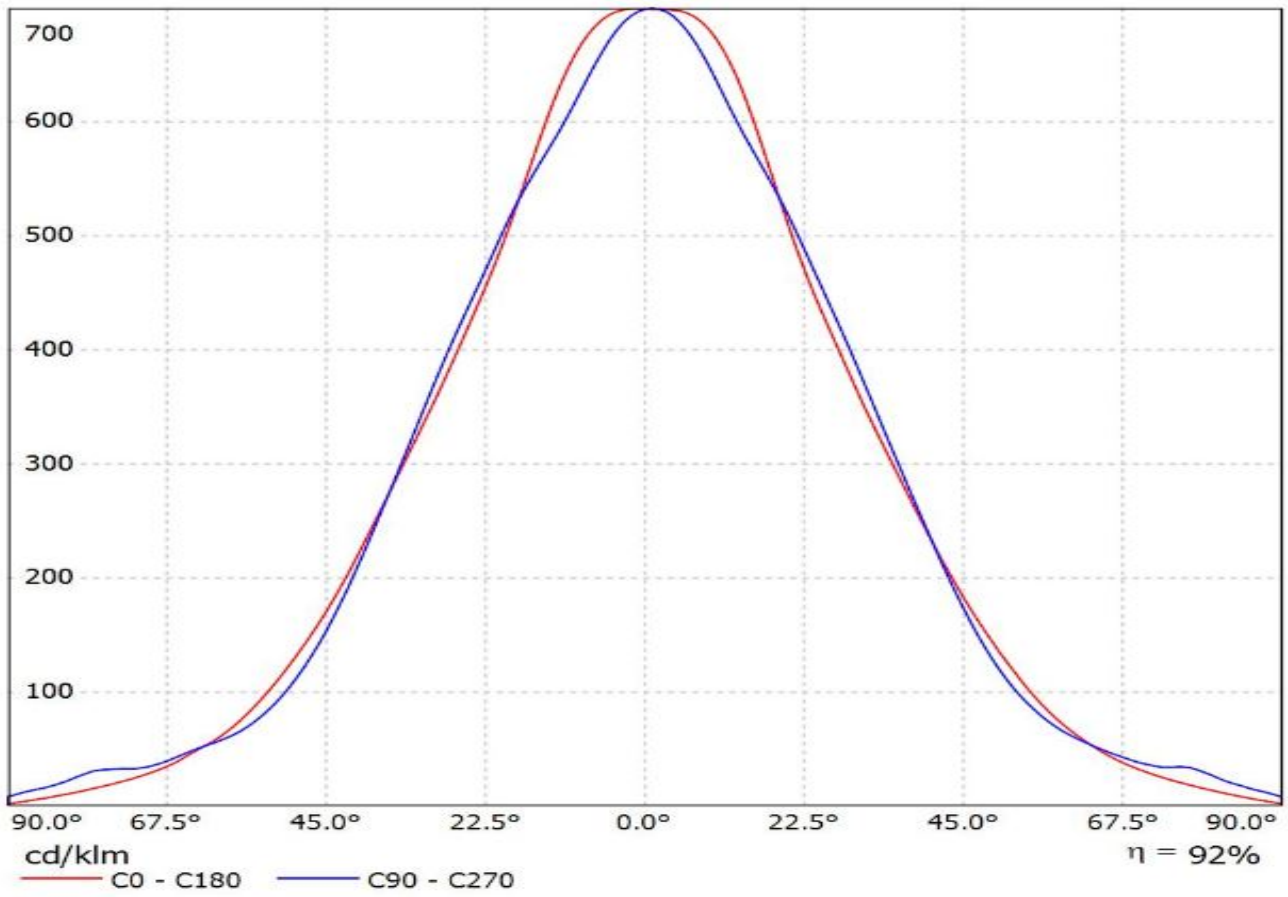
Lamps: 1 x PHILIPS Fortimo LED Line 1ft 650lm 840 3R HV2 1011.03lm@250mA P=8.41224W I=250.7mA



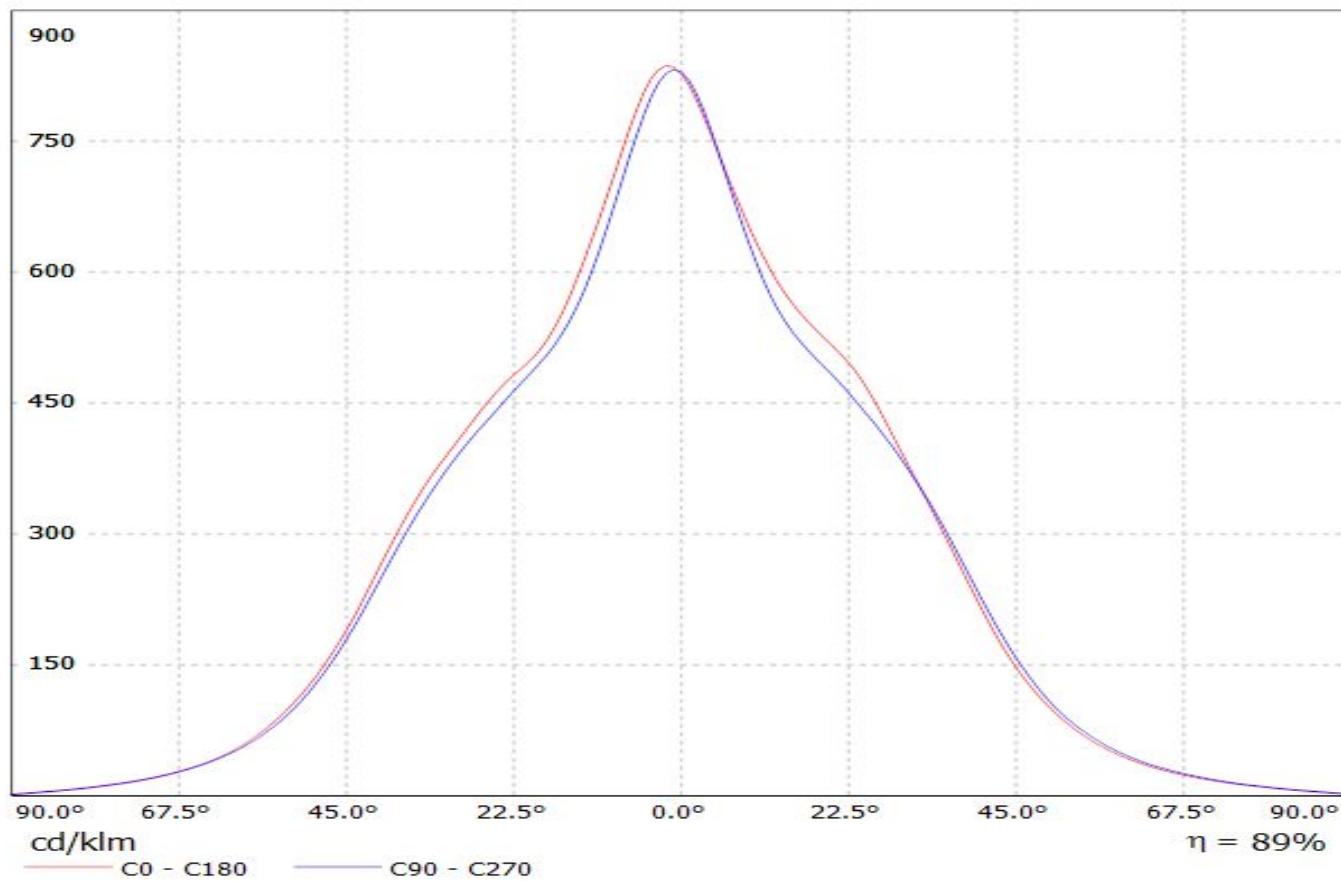
Luminaire: LEDiL Oy F14112_FLORENCE-Z60 Eff.89.0%
Lamps: 1 x Fortimo_LED_Line_1ft_1100lm_3R_HV2_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA



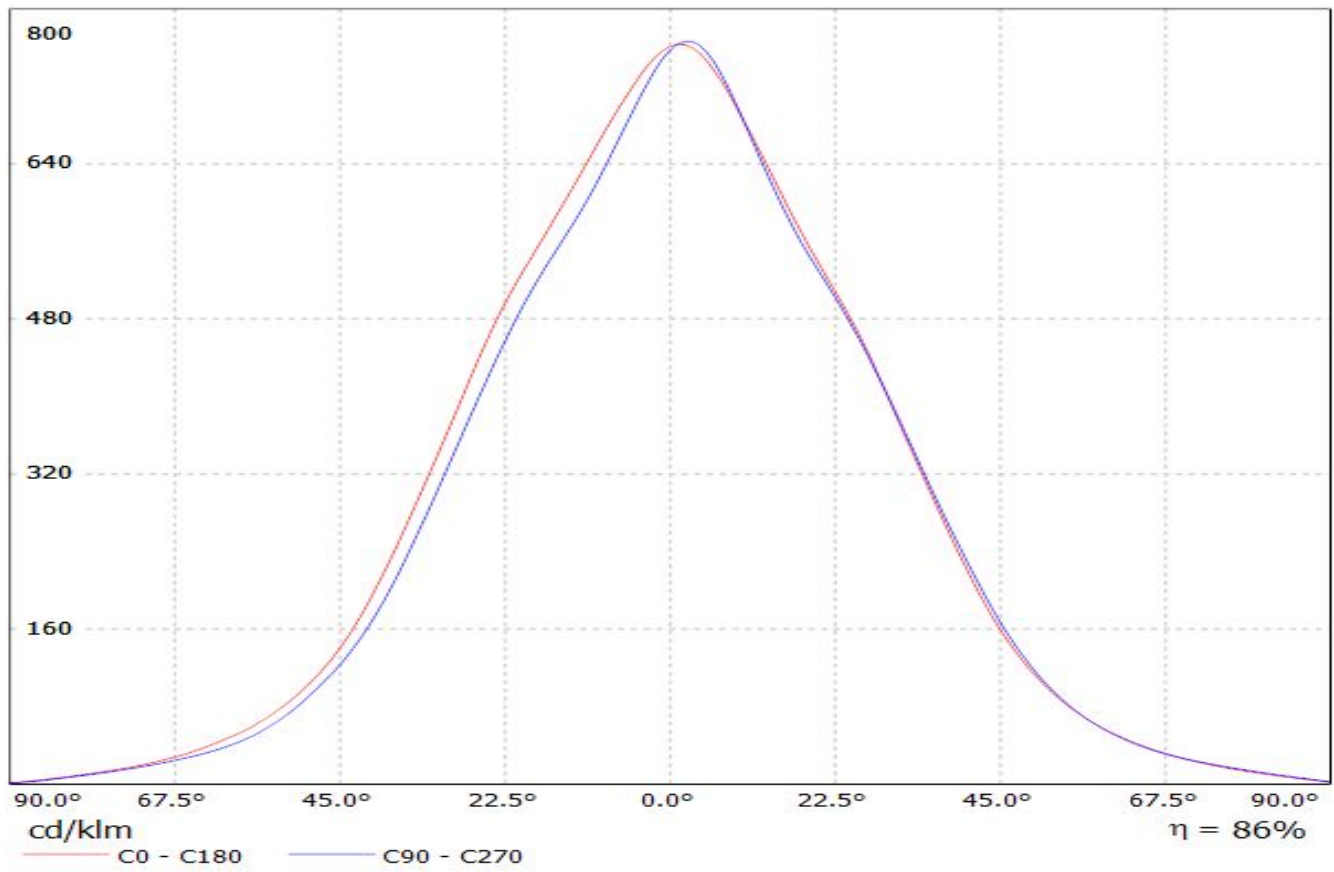
Luminaire: Ledil F14112_FLORENCE-Z60_(Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2)
Lamps: 1 x Fortimo_LED_Line_1ft_2000lm_8xx_3R_HV2_1229.9lm@250mA_CCT=3000K_P=7.5790W_I=0.25A



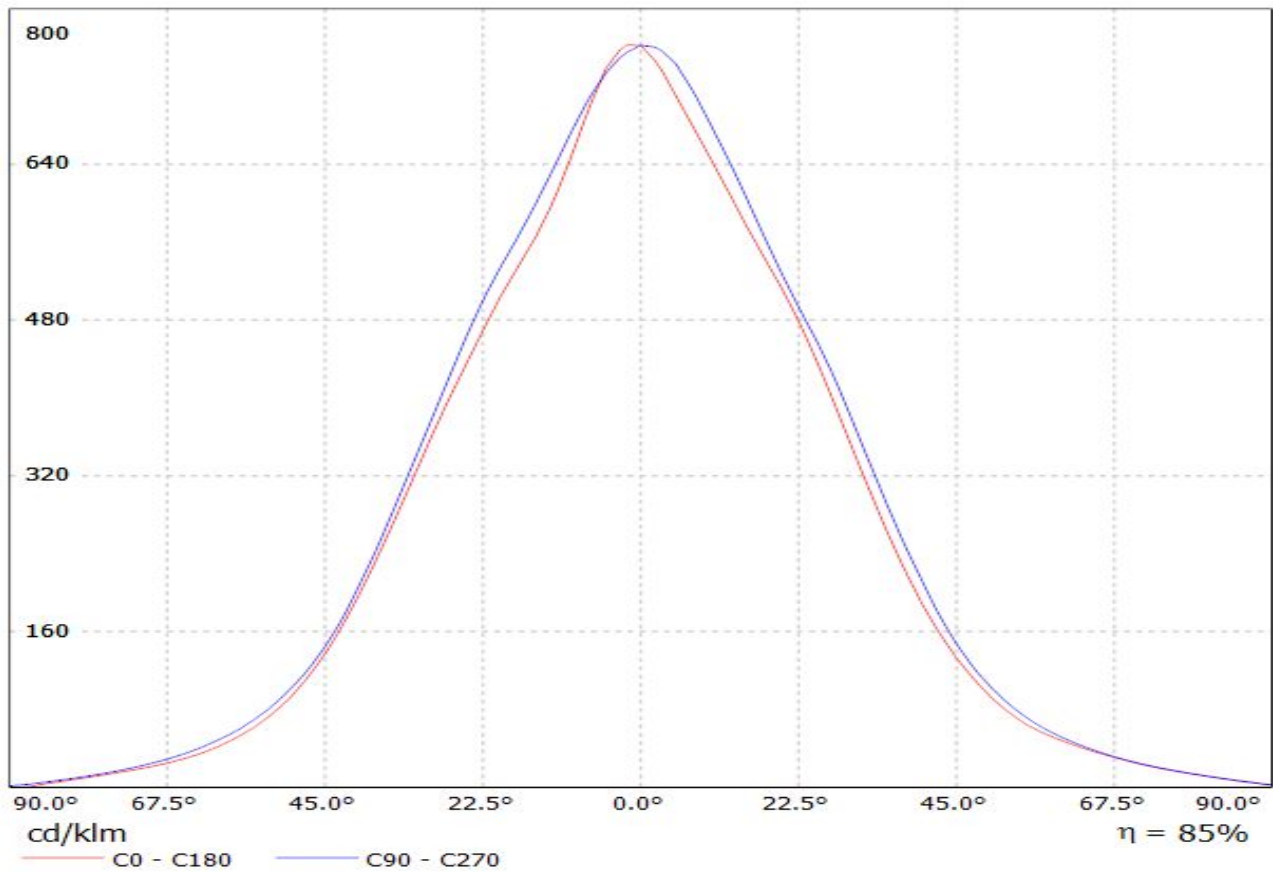
Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LM231B) Eff.88.8%
Lamps: 1 x SAMSUNG_LM231B_571.834lm@150mA_P=4.62435W_I=150mA



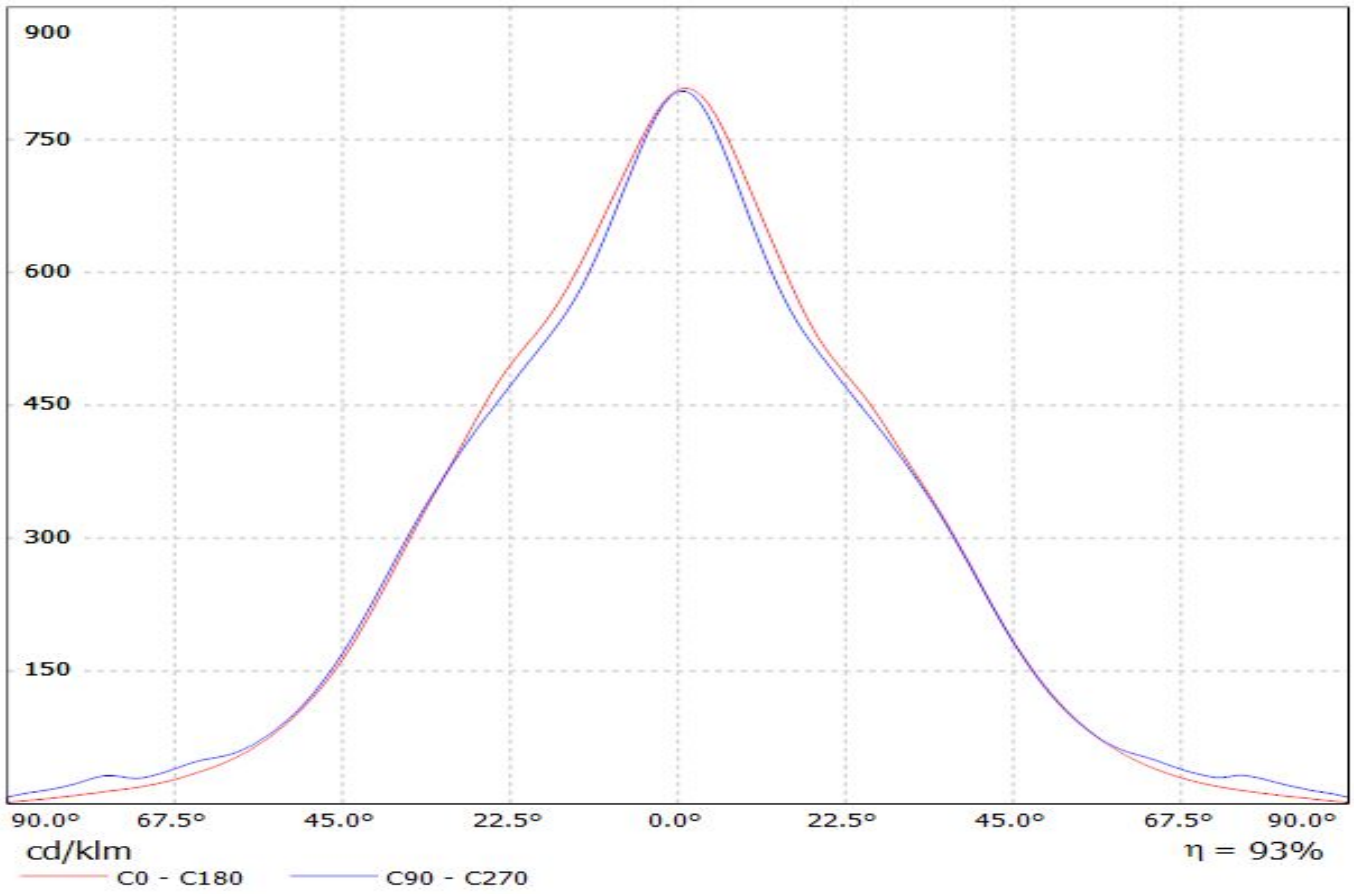
Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(SAMSUNG_LM561B)
Lamps: 1 x SAMSUNG_LM561B_679.266lm@150mA_P=4.6185W_I=150mA



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(SAMSUNG_LM362A)
Lamps: 1 x SAMSUNG_LM362A 1387lm@200mA P:12W

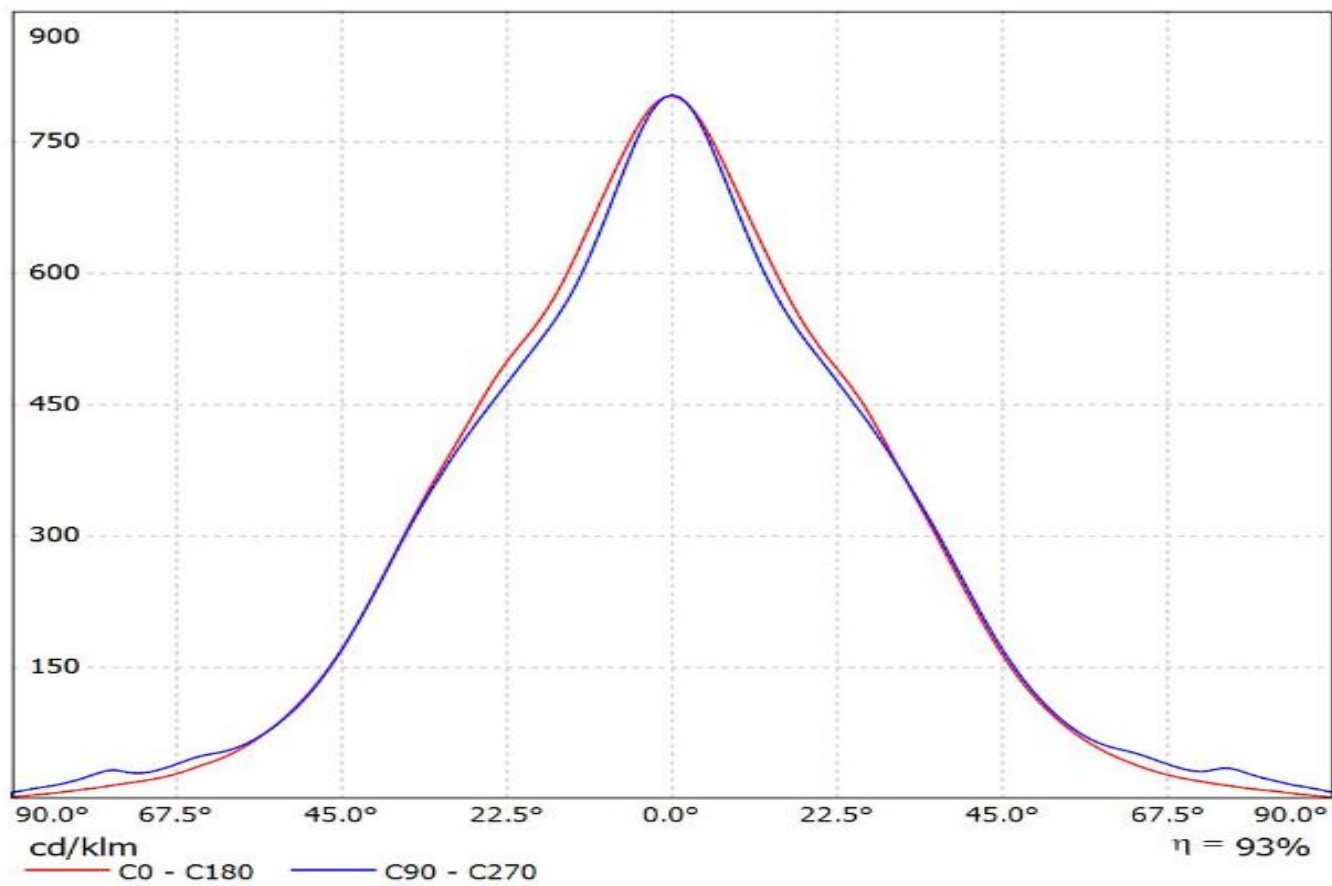


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LT-R286A)
Lamps: 1 x Samsung_LT-R286A_1304.7lm@250mA_P=8.2181W_I=0.250A

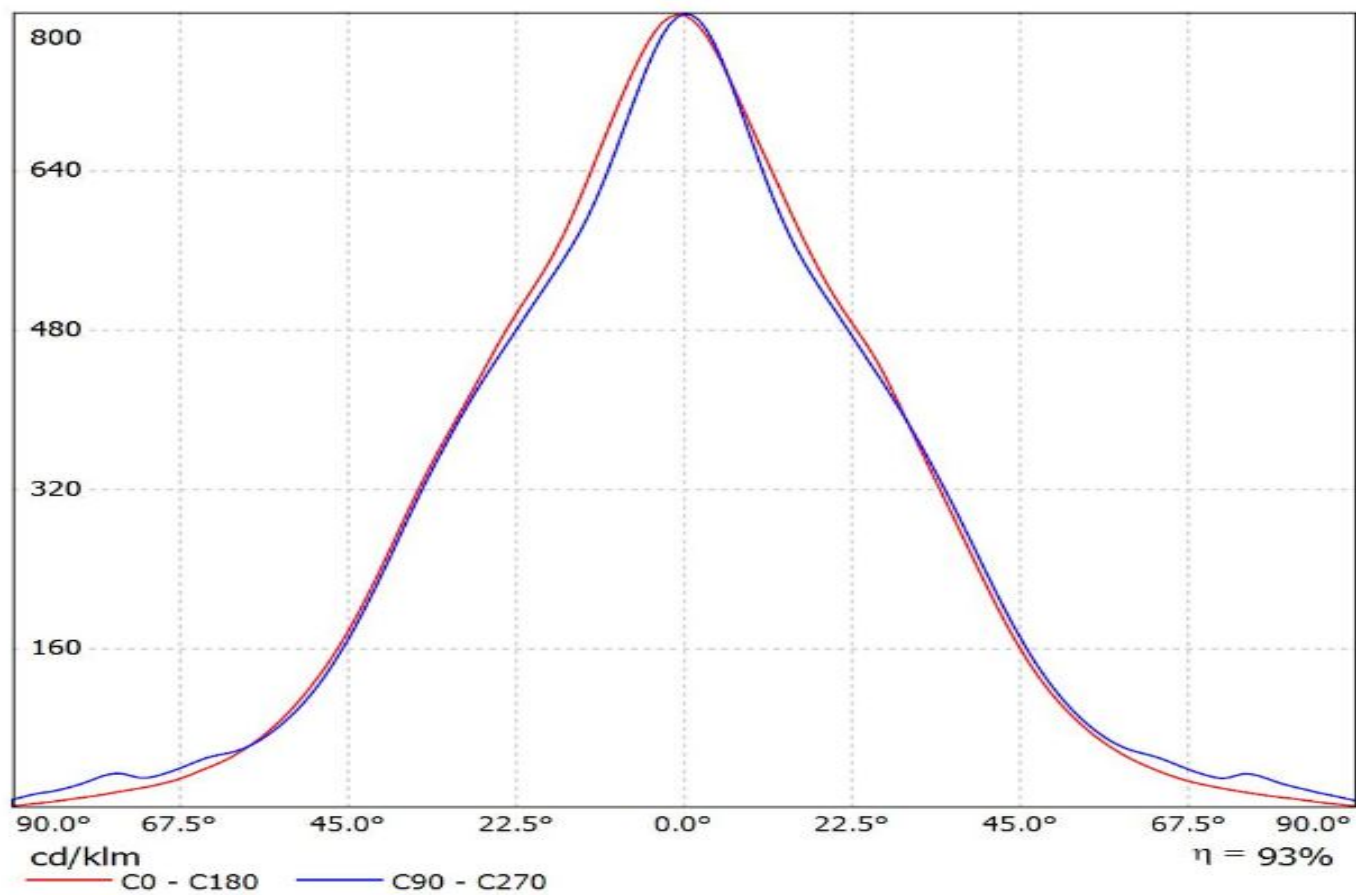


Luminaire: Ledil F14112_FLORENCE-Z60_(LM561B PLUS)

Lamps: 1 x Samsung LM561B PLUS 1366.12lm@250mA_P=8.071W_I=0.25A

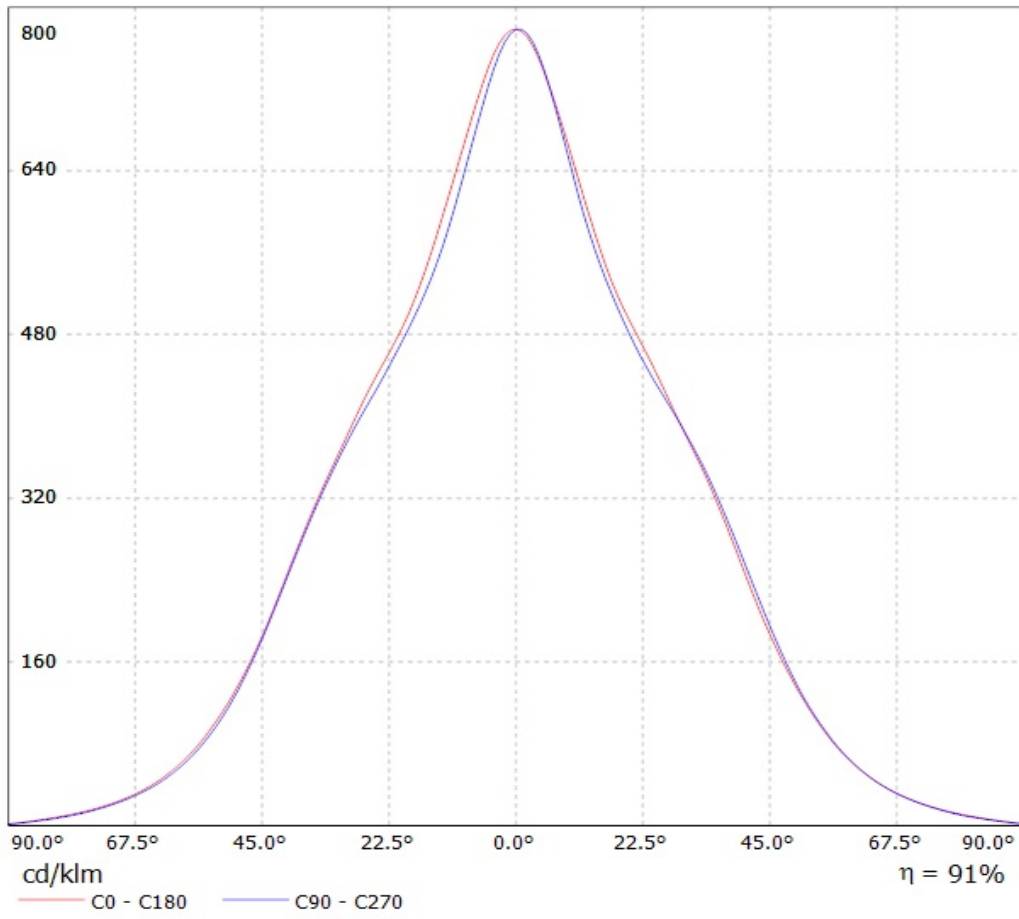


Luminaire: Ledil F14112_FLORENCE-Z60_(LM561C)
Lamps: 1 x Samsung LM561C 1407.48lm@250mA_P=7.7190W_I=0.25A

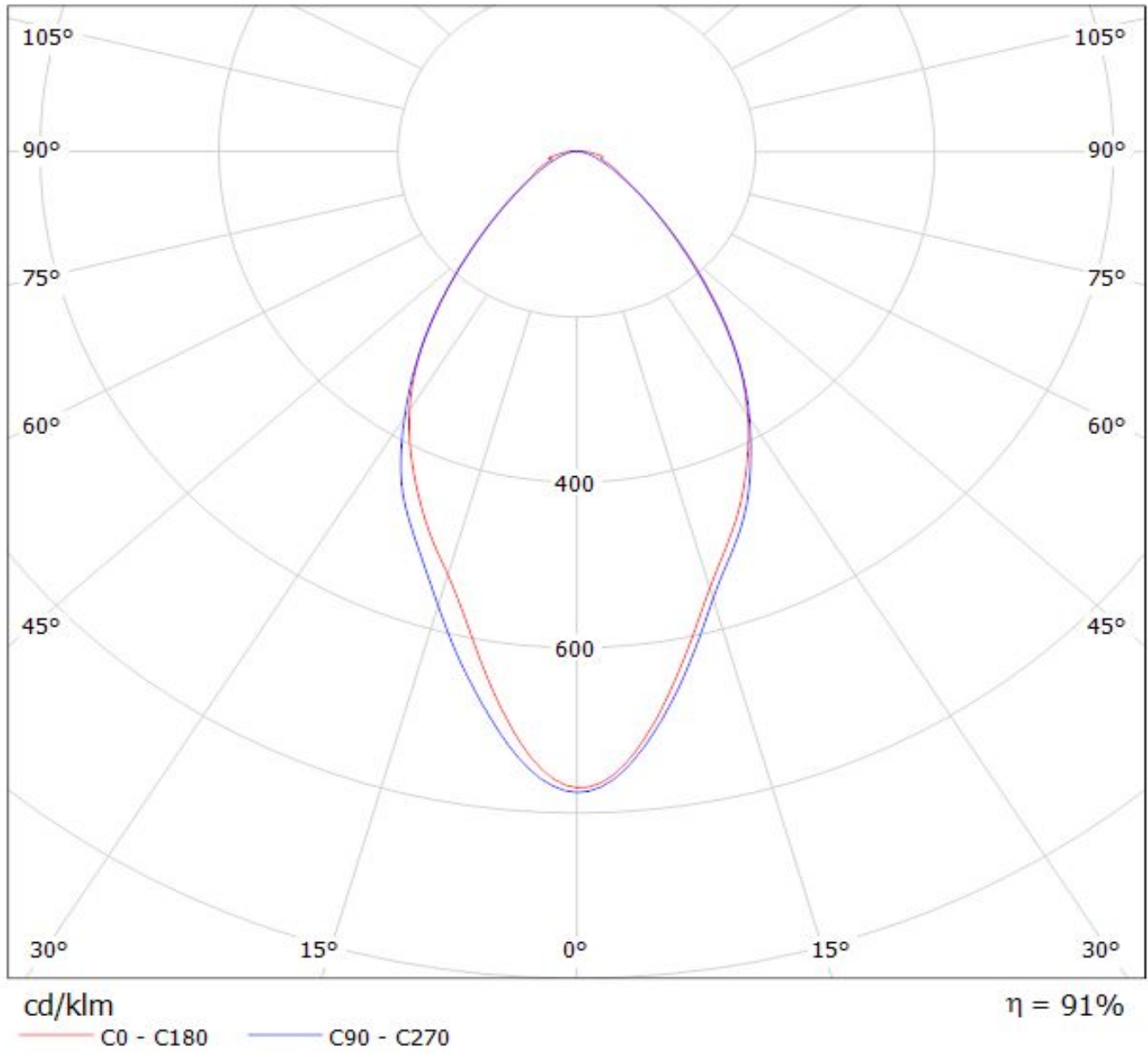


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LLE-55-280-1650)

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

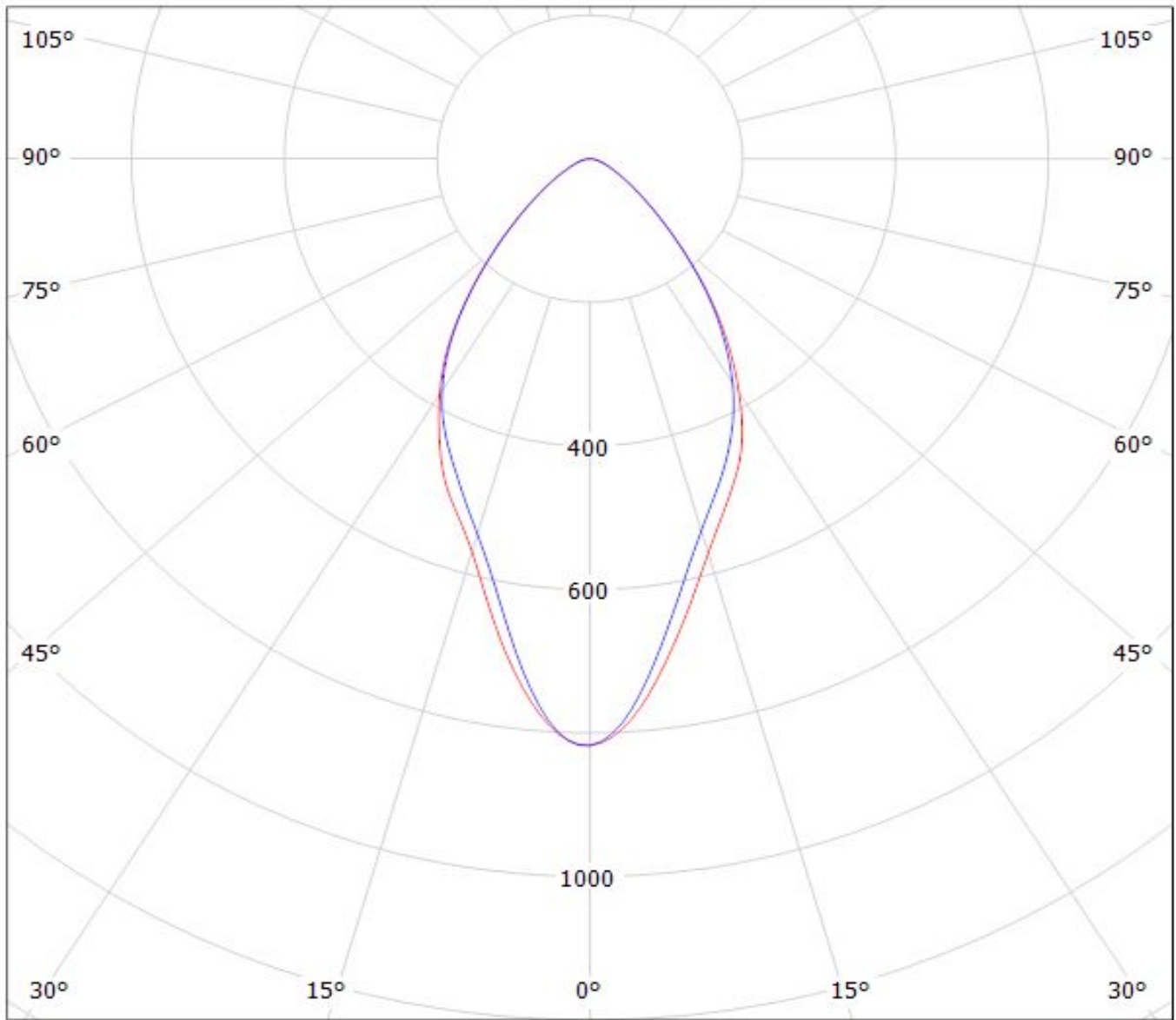


Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(AVAGO 5630 0.5W)
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(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

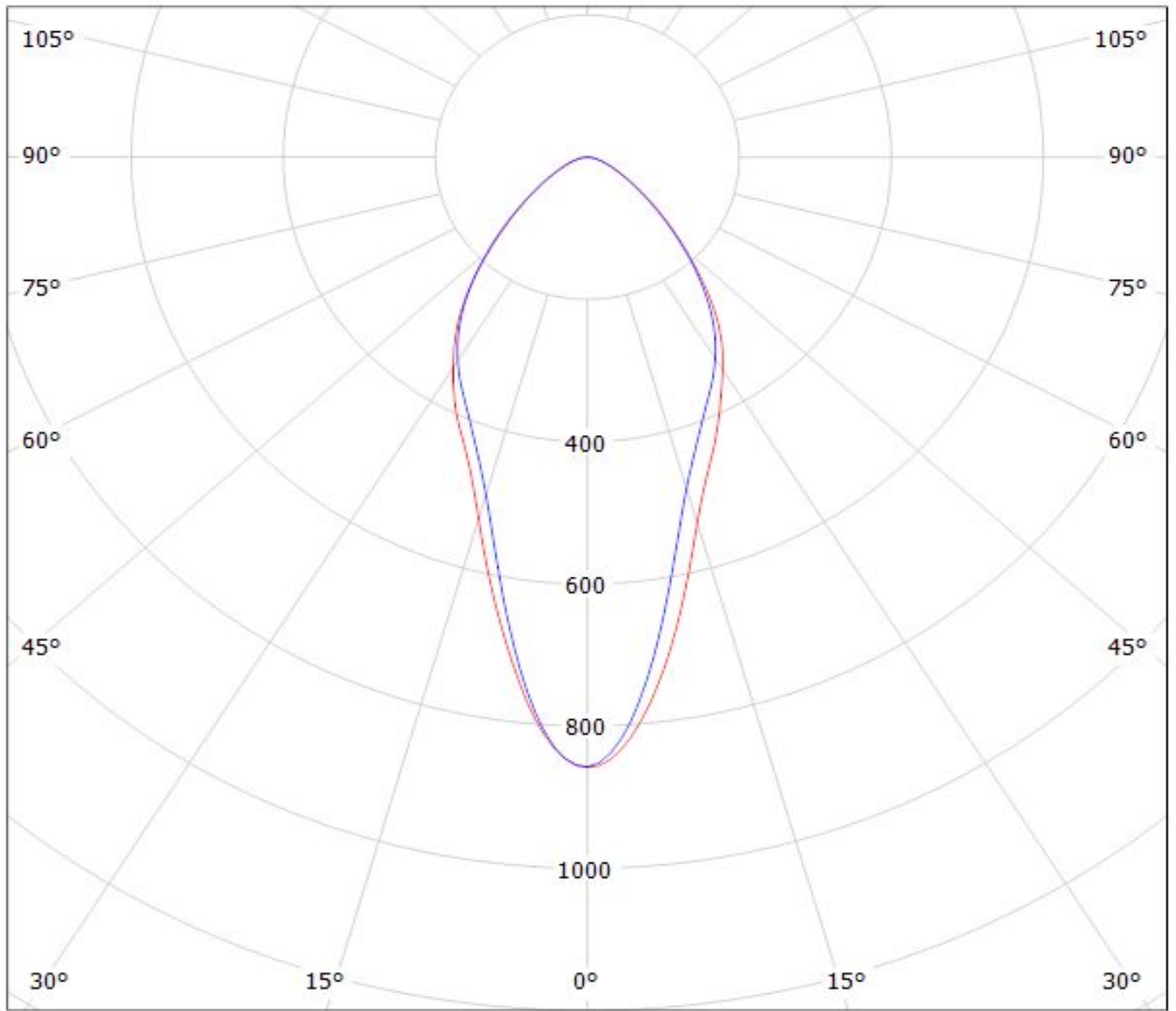
— C0 - C180

— C90 - C270

$\eta = 88\%$

Luminaire: LEDiL Oy F14112_Florence-Z60_(XH-G) Eff.87.4%

Lamps: 1 x CREE_XH-G_(XHGAWT-0-7B4-J30-0H-0001)_1055.65lm@250mA_P=8.1195W_I=249.8mA



cd/klm

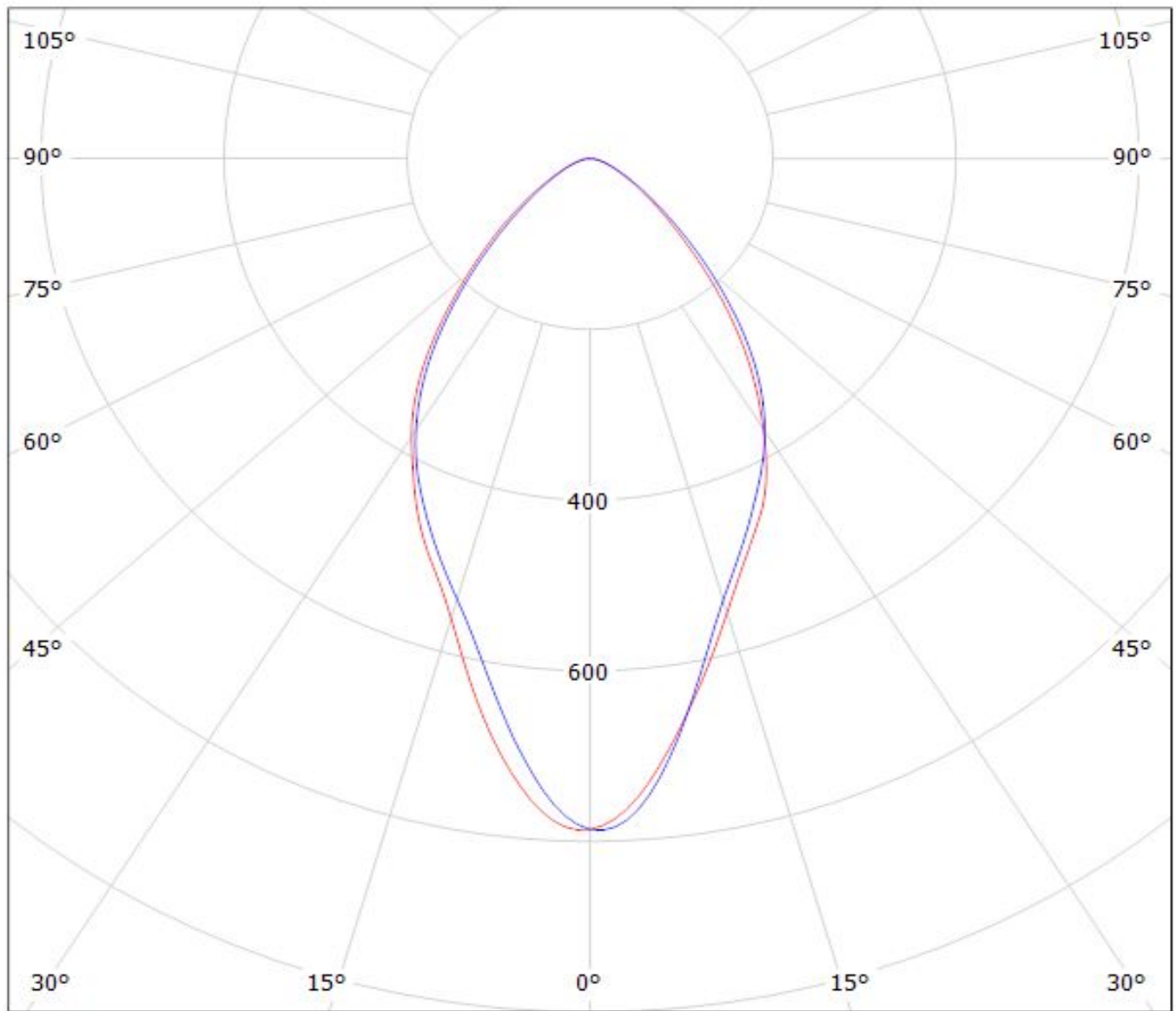
— C0 - C180

— C90 - C270

$\eta = 87\%$

Luminaire: LEDiL Oy F14112_Florence-Z60 Eff.89.5%

Lamps: 1 x FLORENCE_FORTIMO_(LG_5630)_1011.03lm@250mA P=8.41224W I=250.7mA



cd/klm

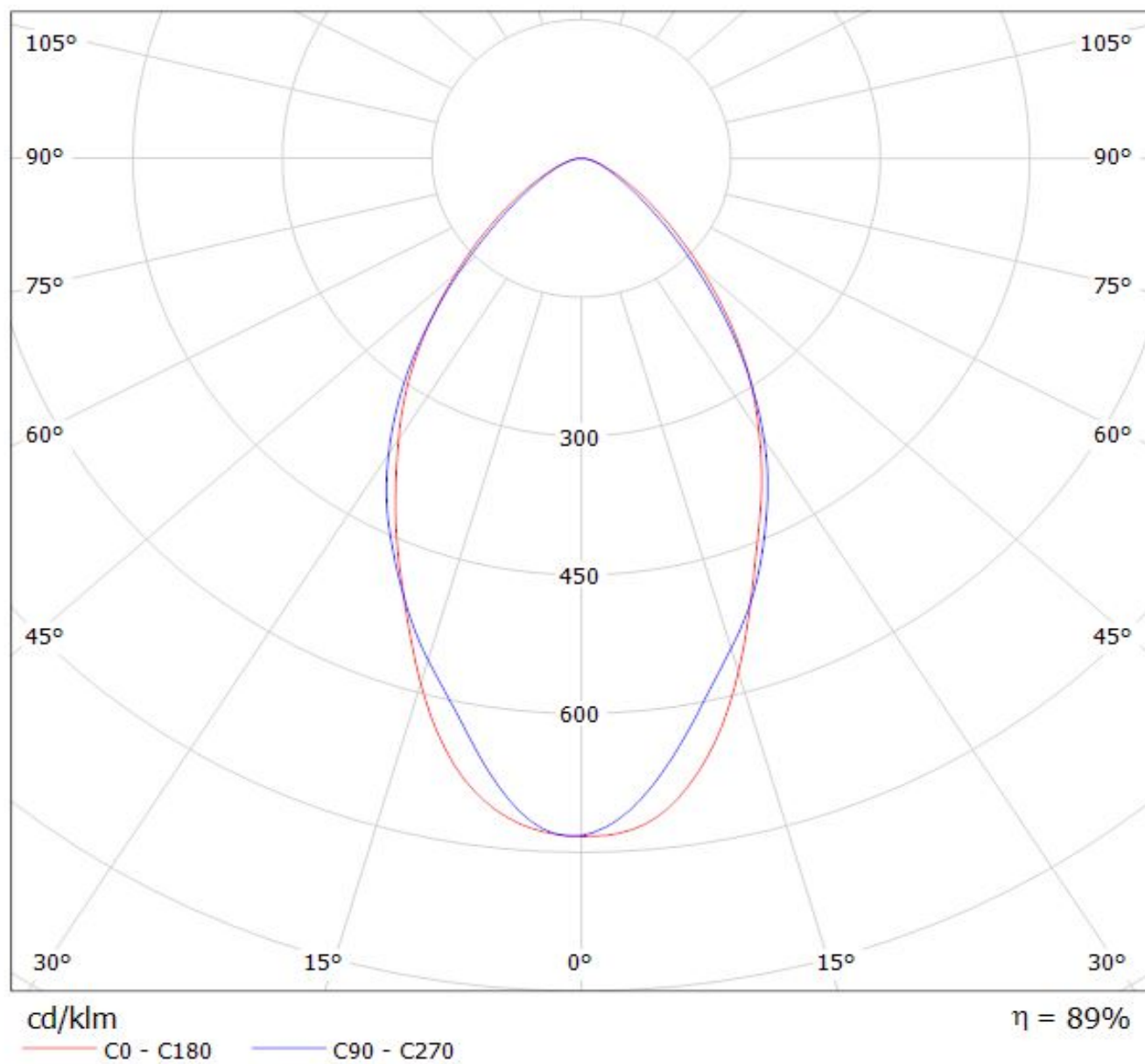
— C0 - C180

— C90 - C270

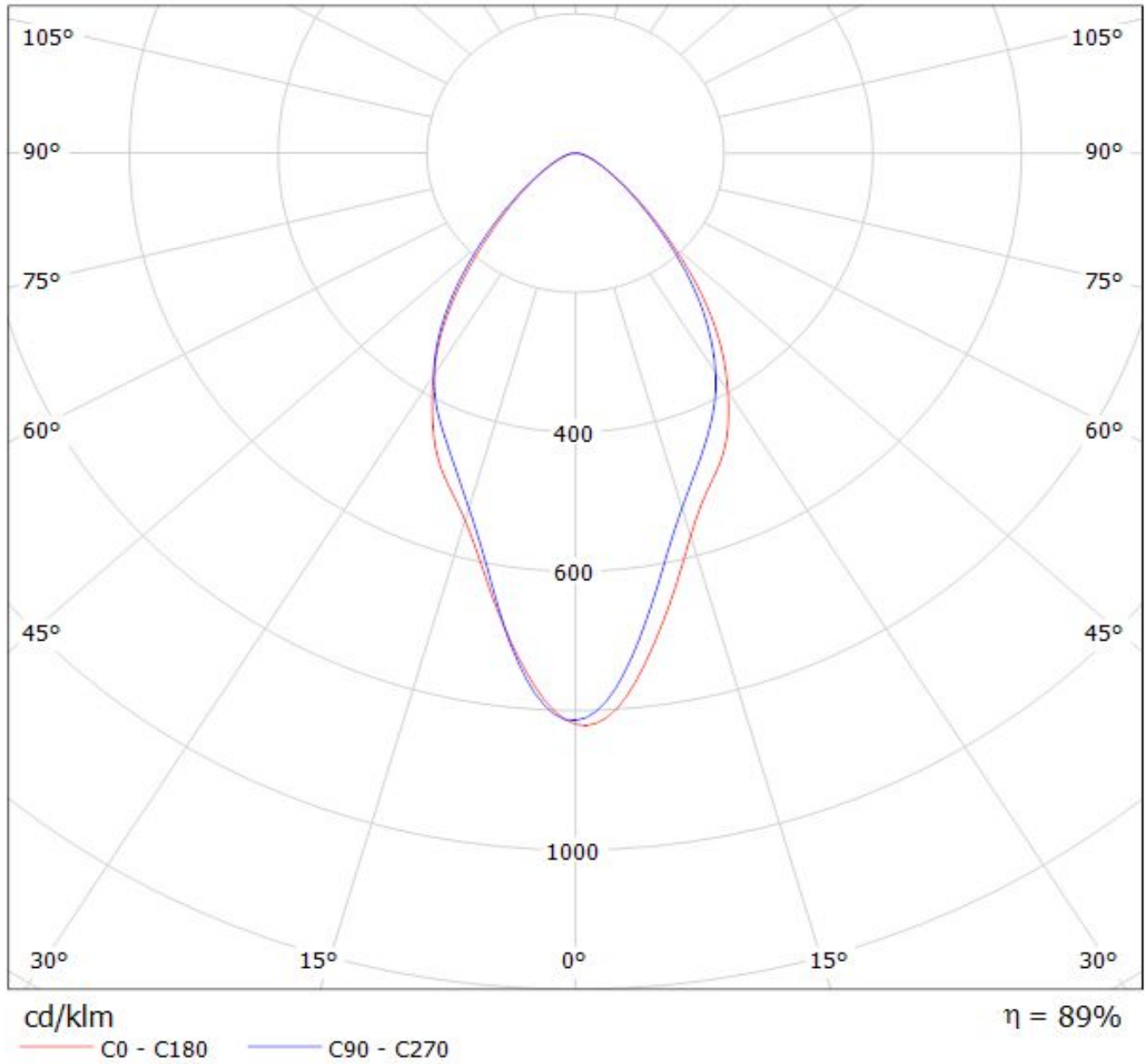
$\eta = 89\%$

Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LG_6030) Eff.89.0%

Lamps: 1 x LG_6030_(LEWMS68T80HZ)_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LUXEON_3535_2D) Eff.88.8%
Lamps: 1 x LUXEON_3535_2D_1513.88lm@200mA_P=12.7114W_I=199.9mA

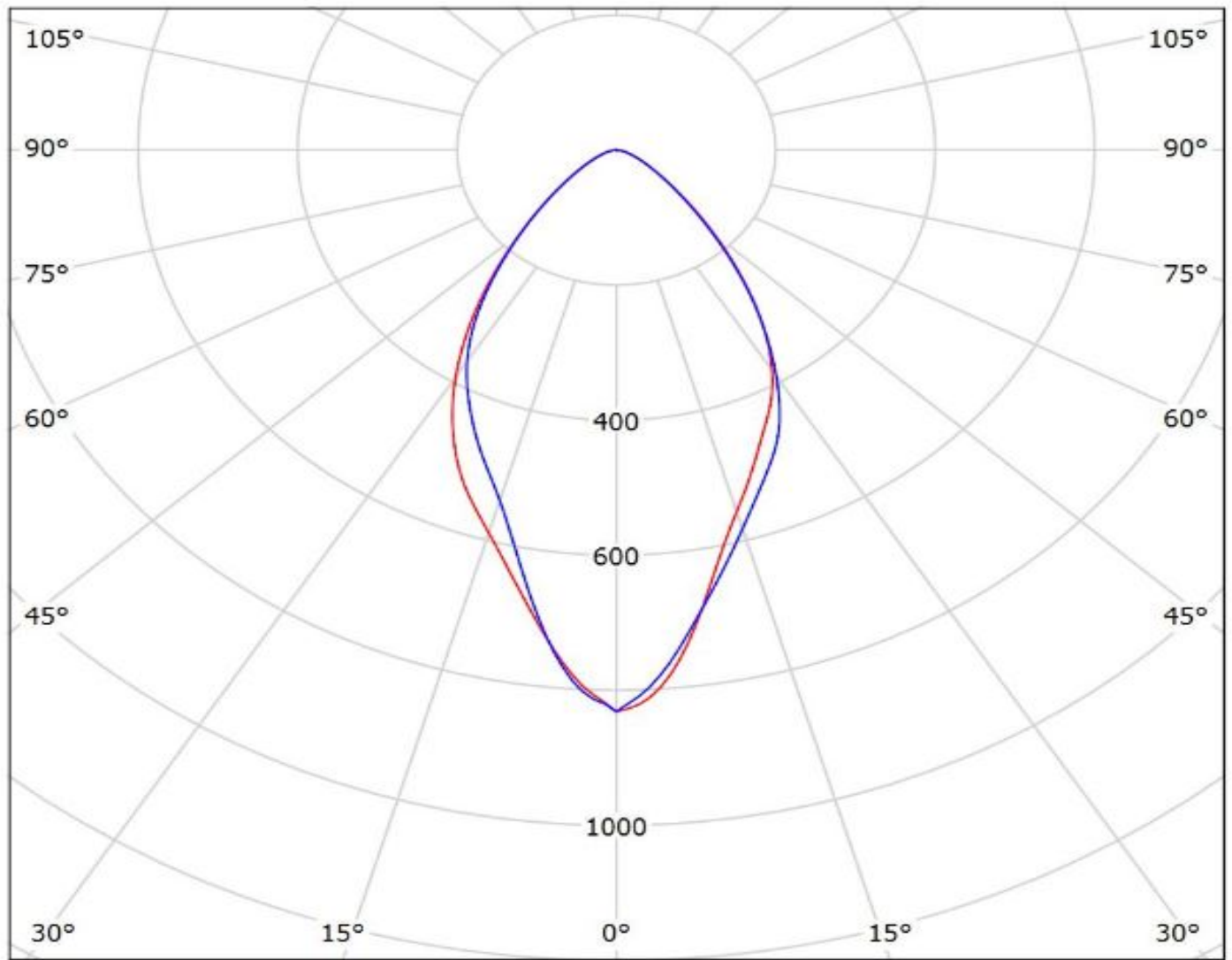


Ledil F14112_FLORENCE-Z60_(Luxeon_3030_2D) / LDC (Polar)

Luminaire: Ledil F14112_FLORENCE-Z60_(Luxeon_3030_2D)

Lamps: 1 x Luxeon_3030_2D_3x11_(L130-4080003000W21)

_2150lm@300mA_CCT=4000K_P=12.8W_I=0.3A



cd/klm

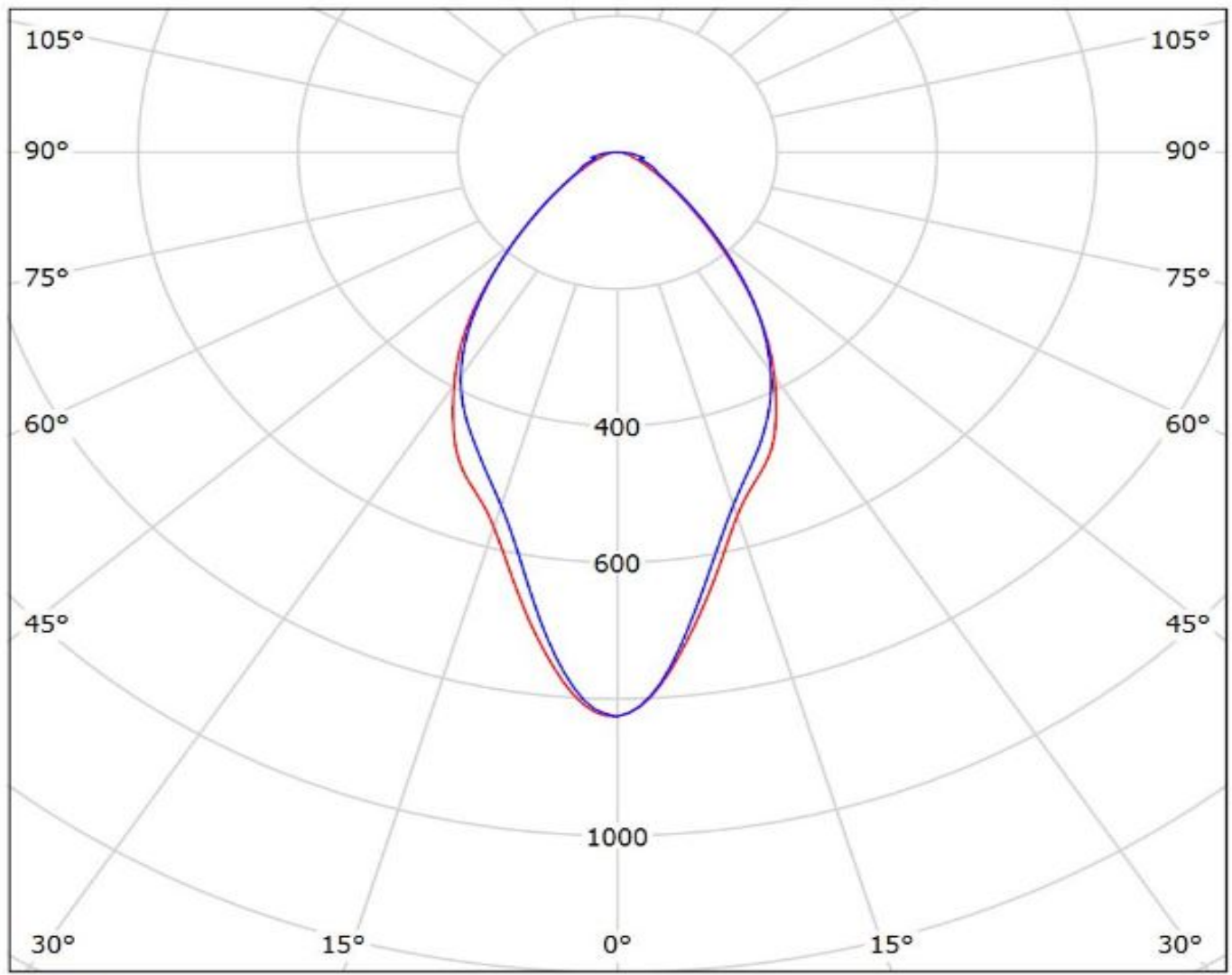
— C0 - C180

— C90 - C270

$\eta = 88\%$

Ledil F14112_FLORENCE-Z60_(Luxeon_XR-3535L) / LDC (Polar)

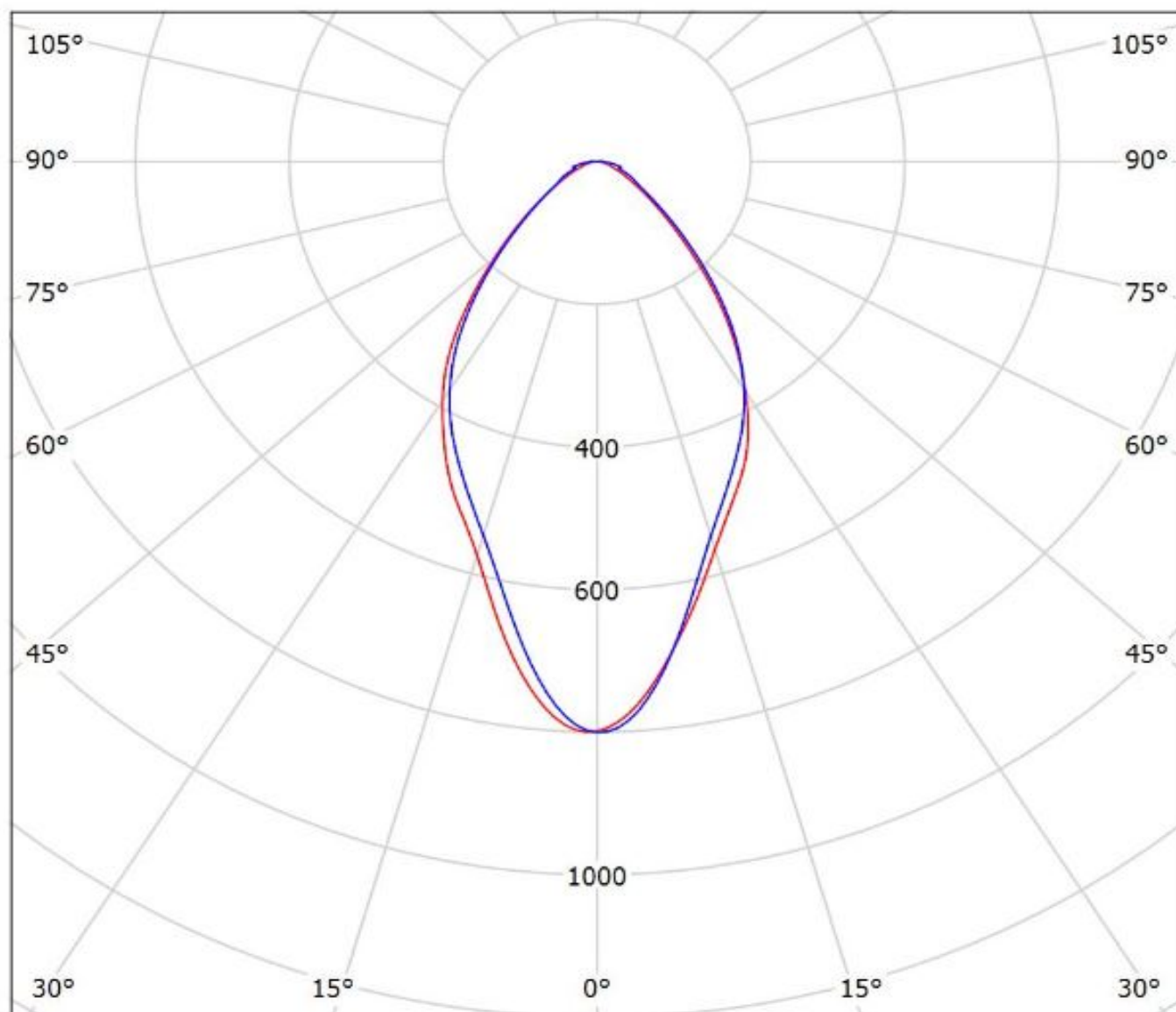
Luminaire: Ledil F14112_FLORENCE-Z60_(Luxeon_XR-3535L)
Lamps: 1 x Lumileds_Luxeon_XR-3535L_3x11_(L202-3080033C30001)
_1087.37lm@250mA_CCT=3000K_P=8.15W_I=0.25A



cd/klm
— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: Ledil F14112_FLORENCE-Z60_(Luxeon 3535L HE)
Lamps: 1 x Luxeon 3535L HE 1290.2lm@250mA_P=7.7240W_I=0.25A



cd/klm

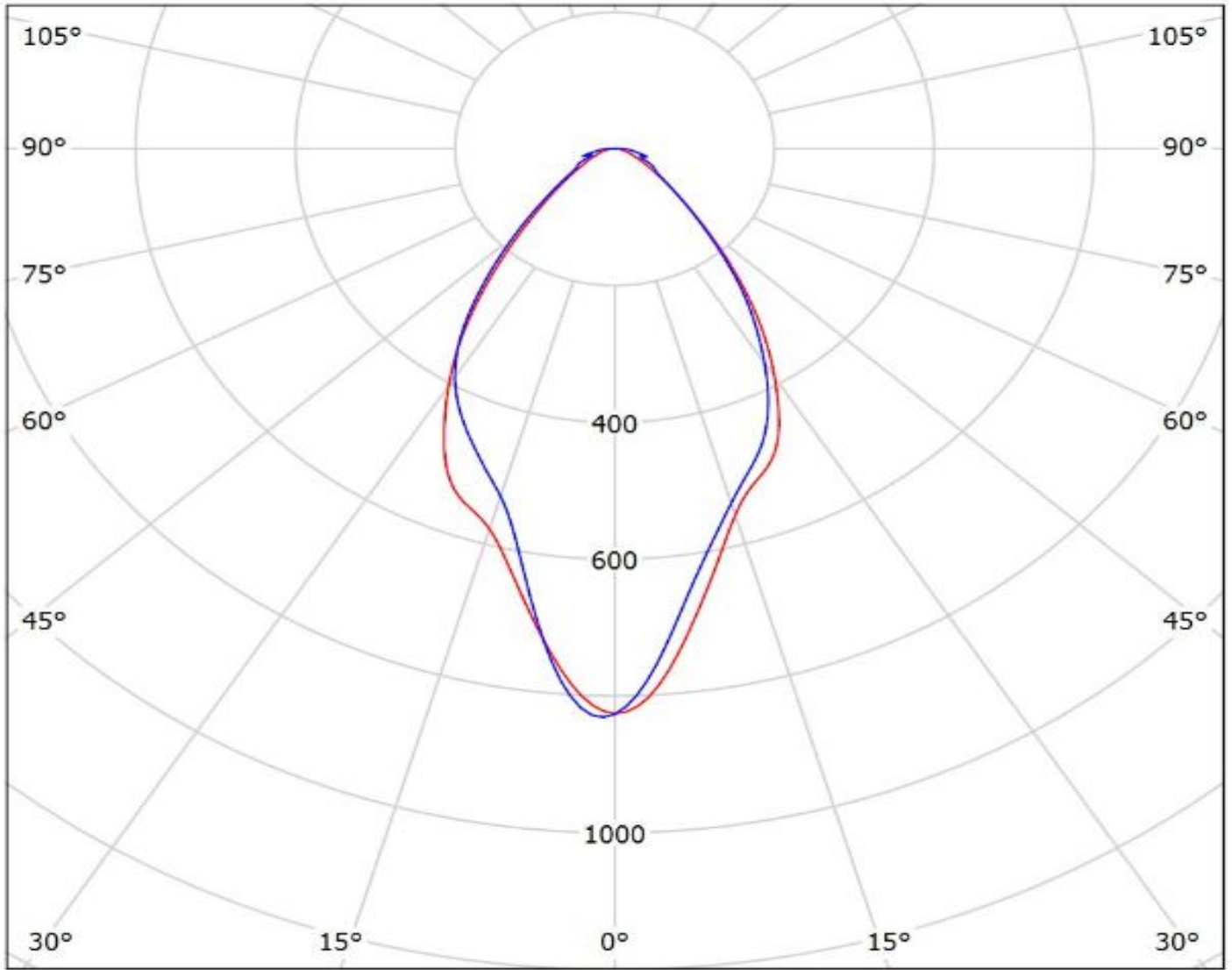
— C0 - C180 — C90 - C270

$\eta = 93\%$

Ledil F14112_FLORENCE-Z60_(MP-2016) / LDC (Polar)

Luminaire: Ledil F14112_FLORENCE-Z60_(MP-2016)

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

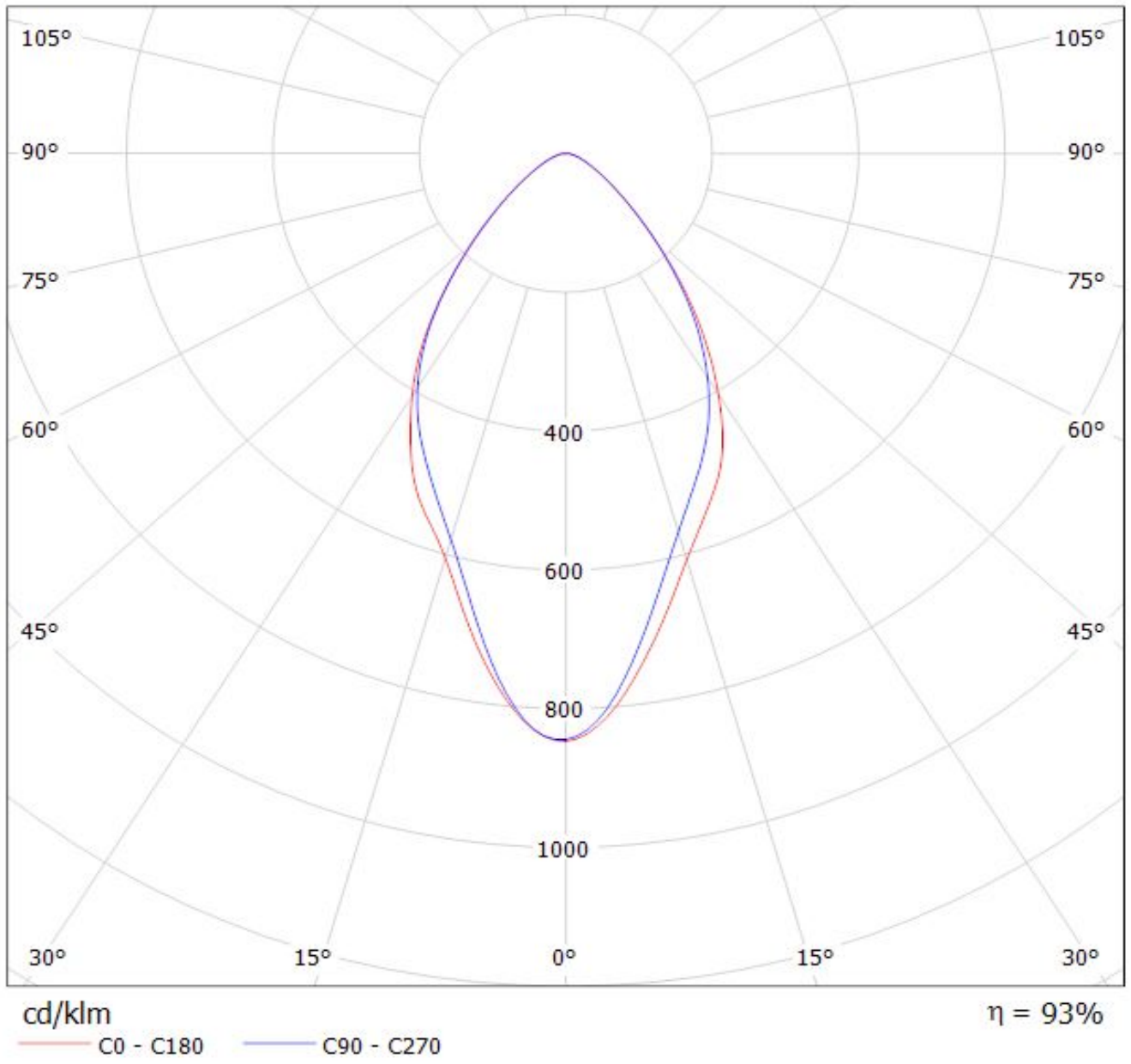


cd/klm

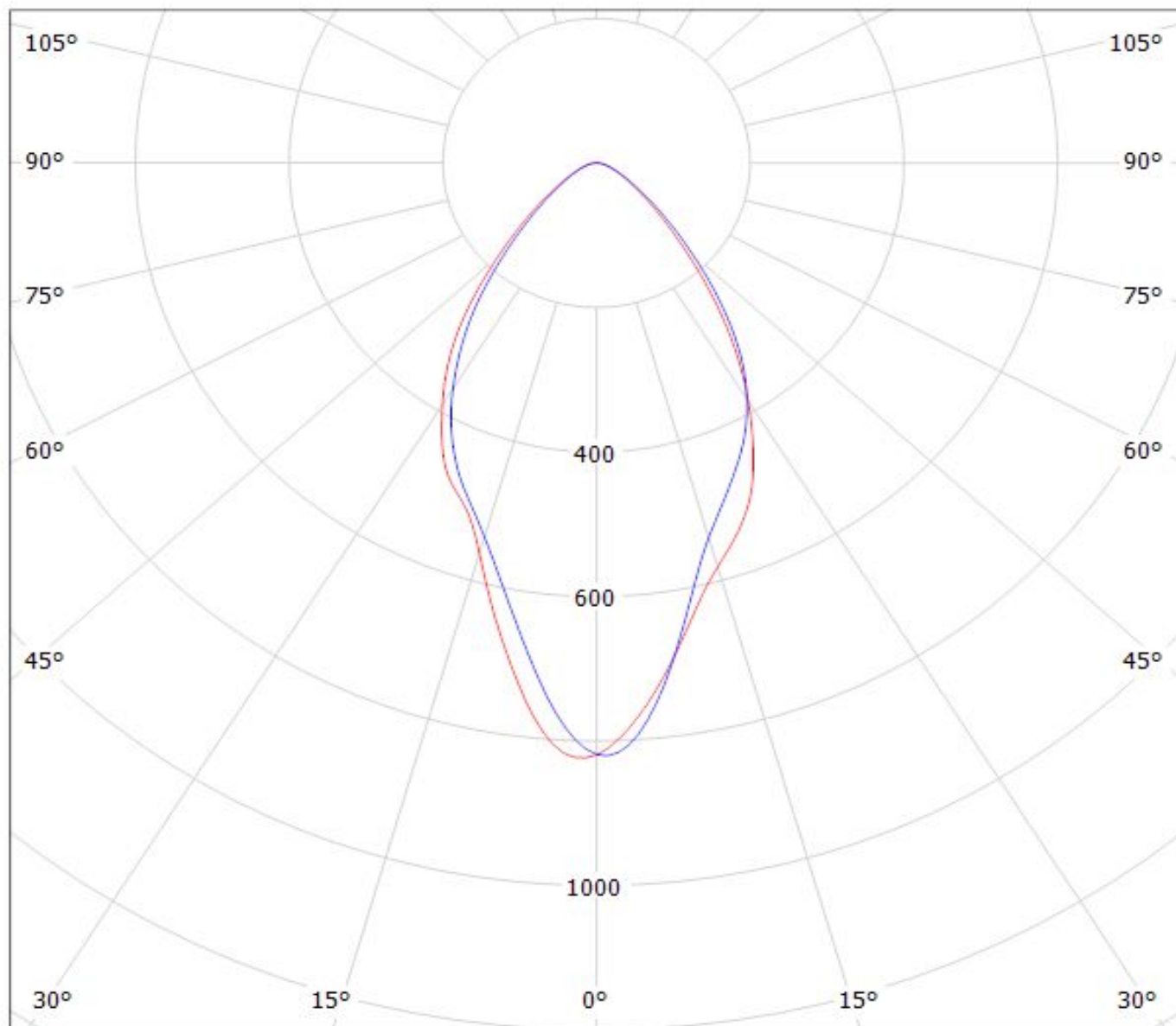
— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(Nichia757)
Lamps: 1 x NICHIA_757 (NT2W757DRT) 1387lm@150mA



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(DURIS_S5) Eff.88.8%
Lamps: 1 x DURIS_S5_500.39lm@120mA_P=3.76814W_I=120.1mA

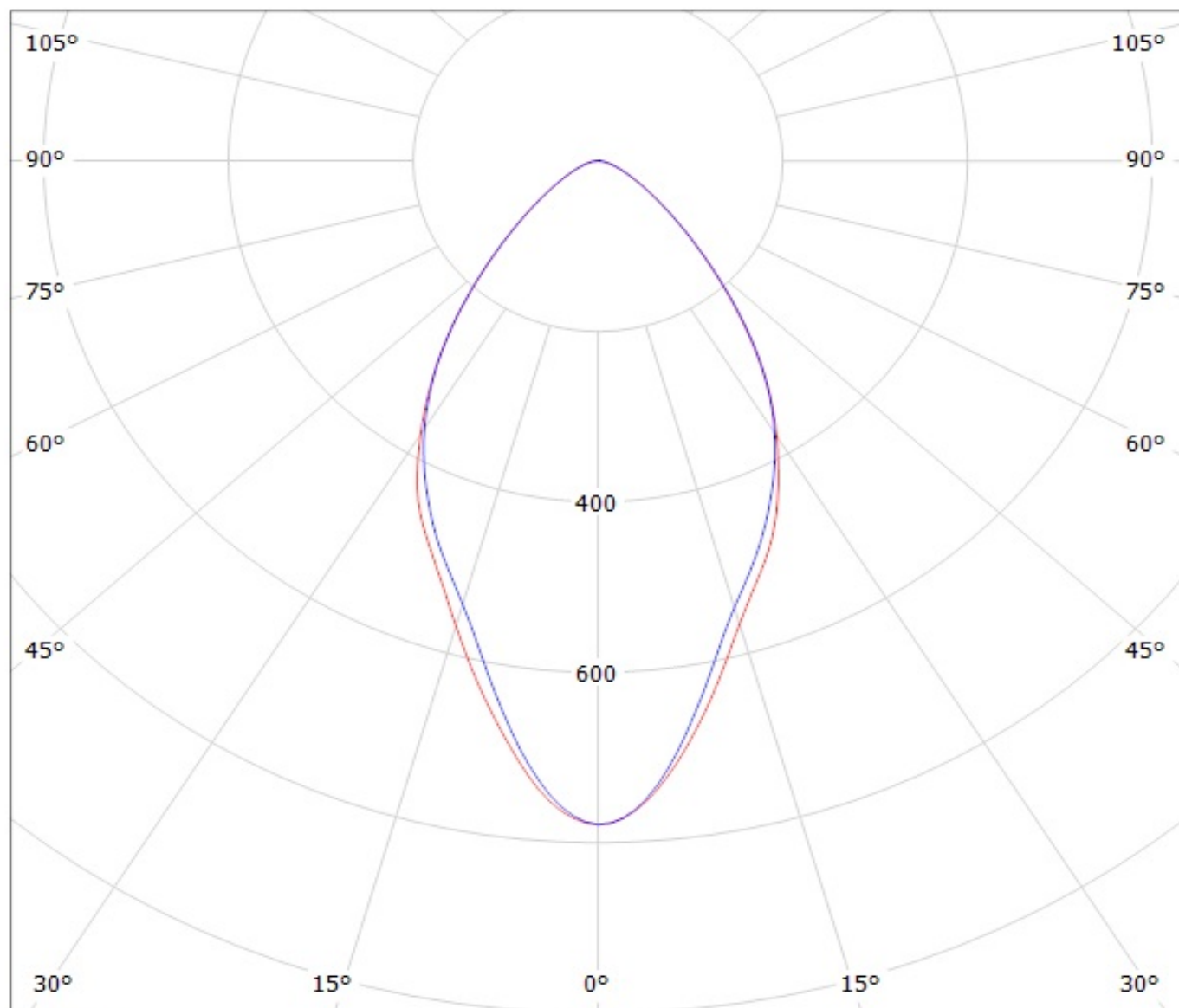


cd/klm

$\eta = 89\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(DURIS_E5) Eff. 89%
Lamps: 1 x Osram_DURIS_E5_567.032lm@120mA_P=3.6693W_I=120.1mA

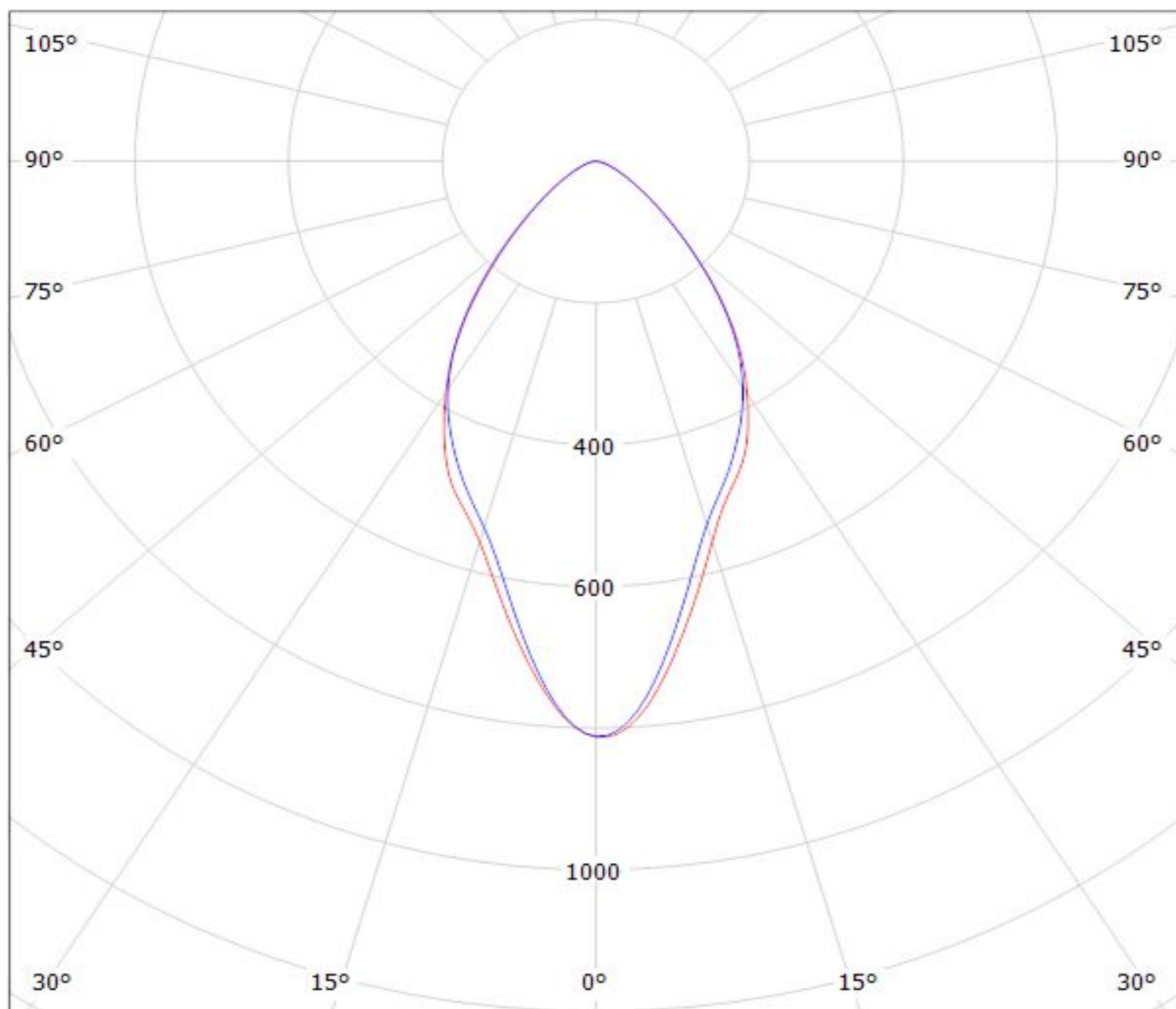


cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(Osram_PLG2-BAR)

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



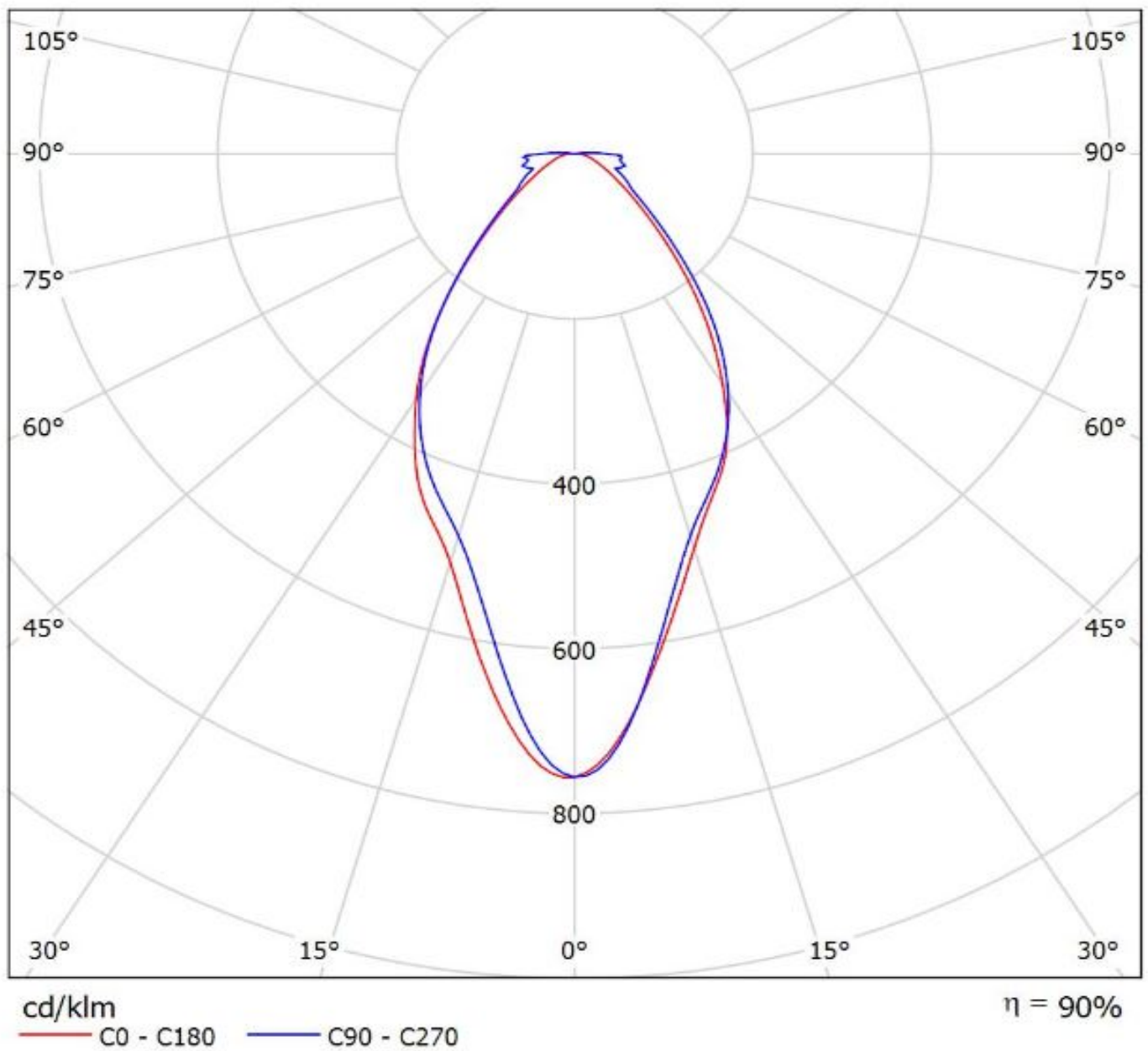
cd/klm

— C0 - C180

— C90 - C270

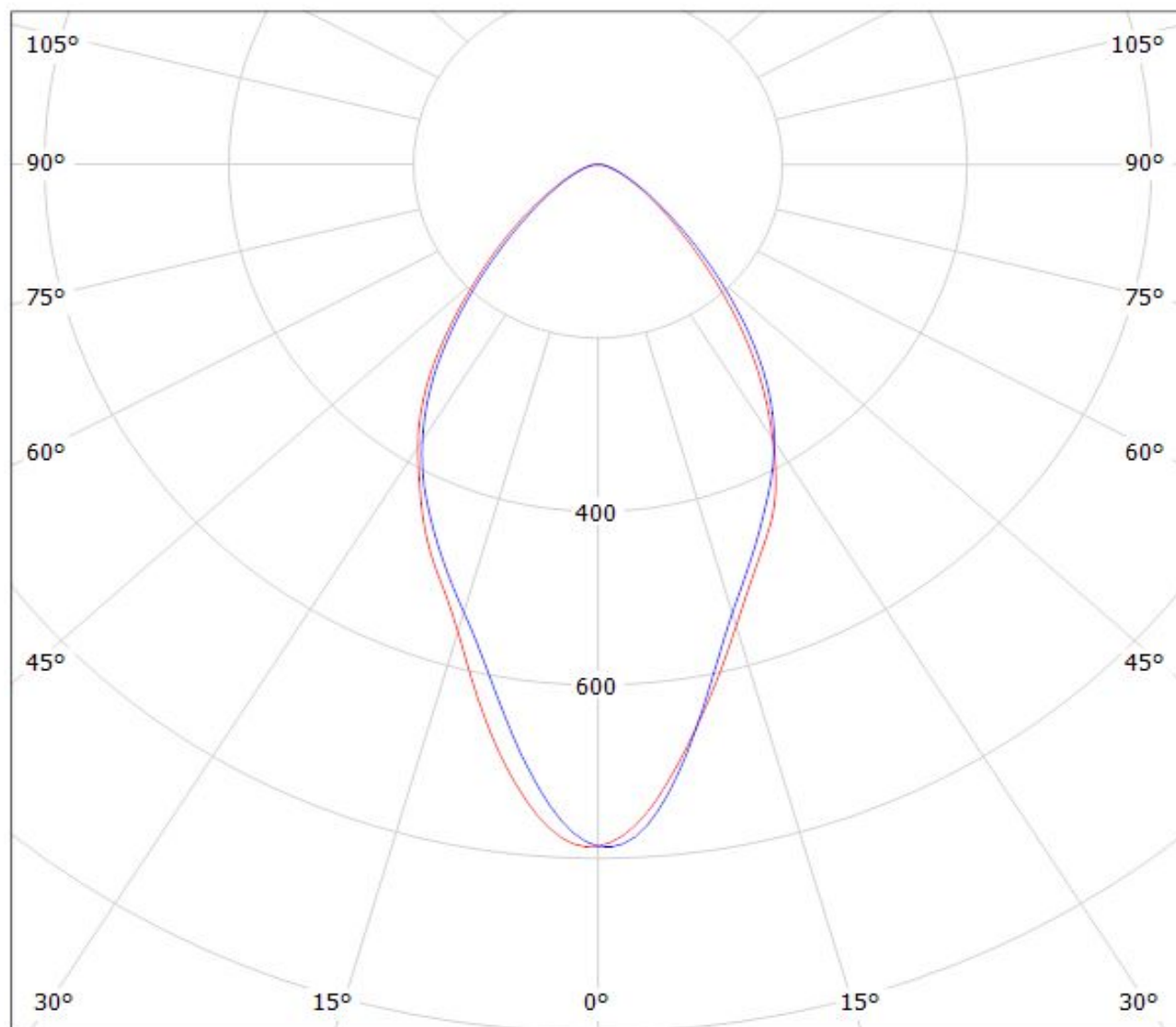
$\eta = 88\%$

Luminaire: Ledil F14112_FLORENCE-Z60_(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 F14112_Florence-Z60 Eff.89.5%

Lamps: 1 x PHILIPS Fortimo LED Line 1ft 650lm 840 3R HV2 1011.03lm@250mA P=8.41224W I=250.7mA



cd/klm

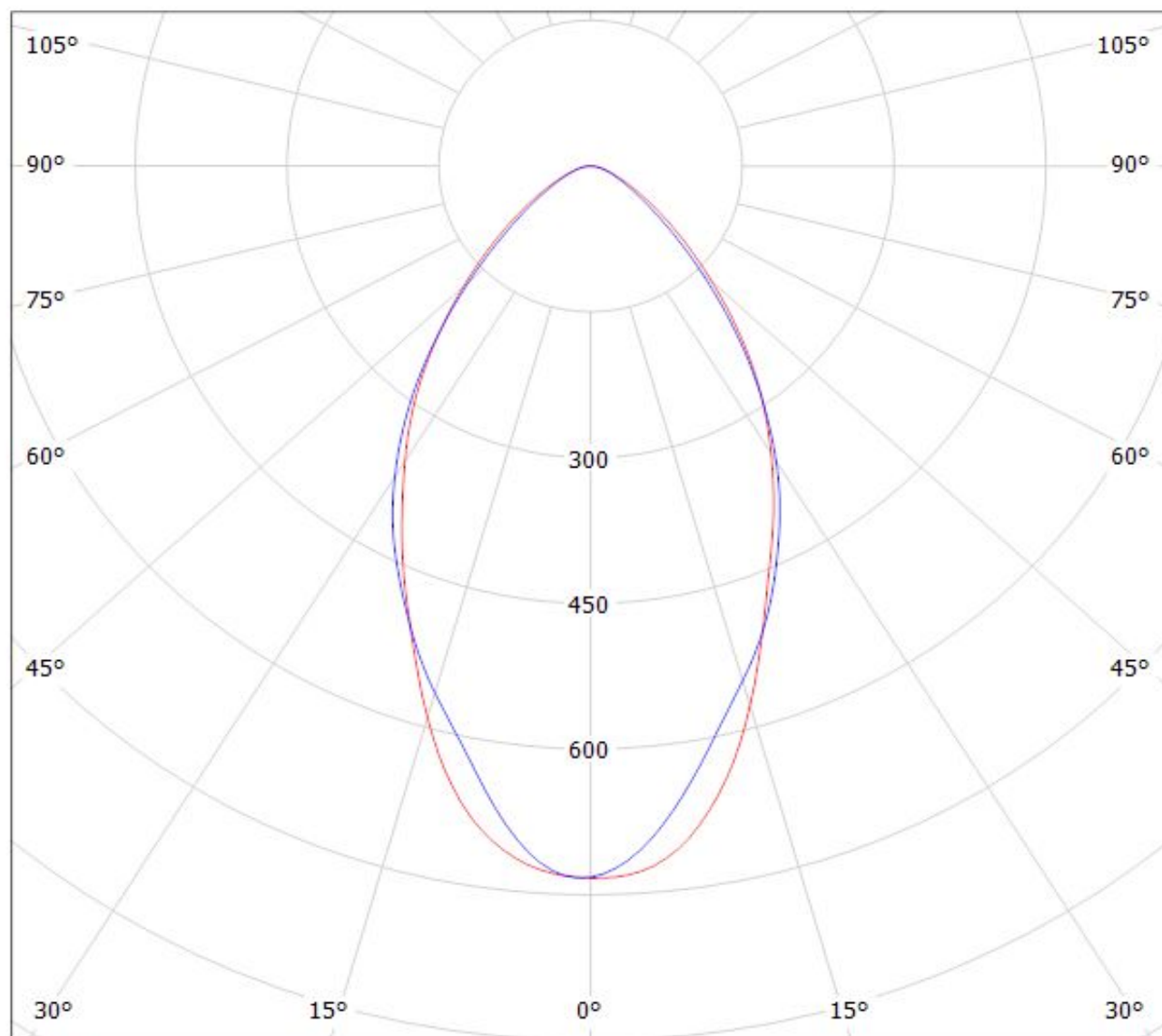
— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: LEDiL Oy F14112_FLORENCE-Z60 Eff.89.0%

Lamps: 1 x Fortimo_LED_Line_1ft_1100lm_3R_HV2_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA



cd/klm

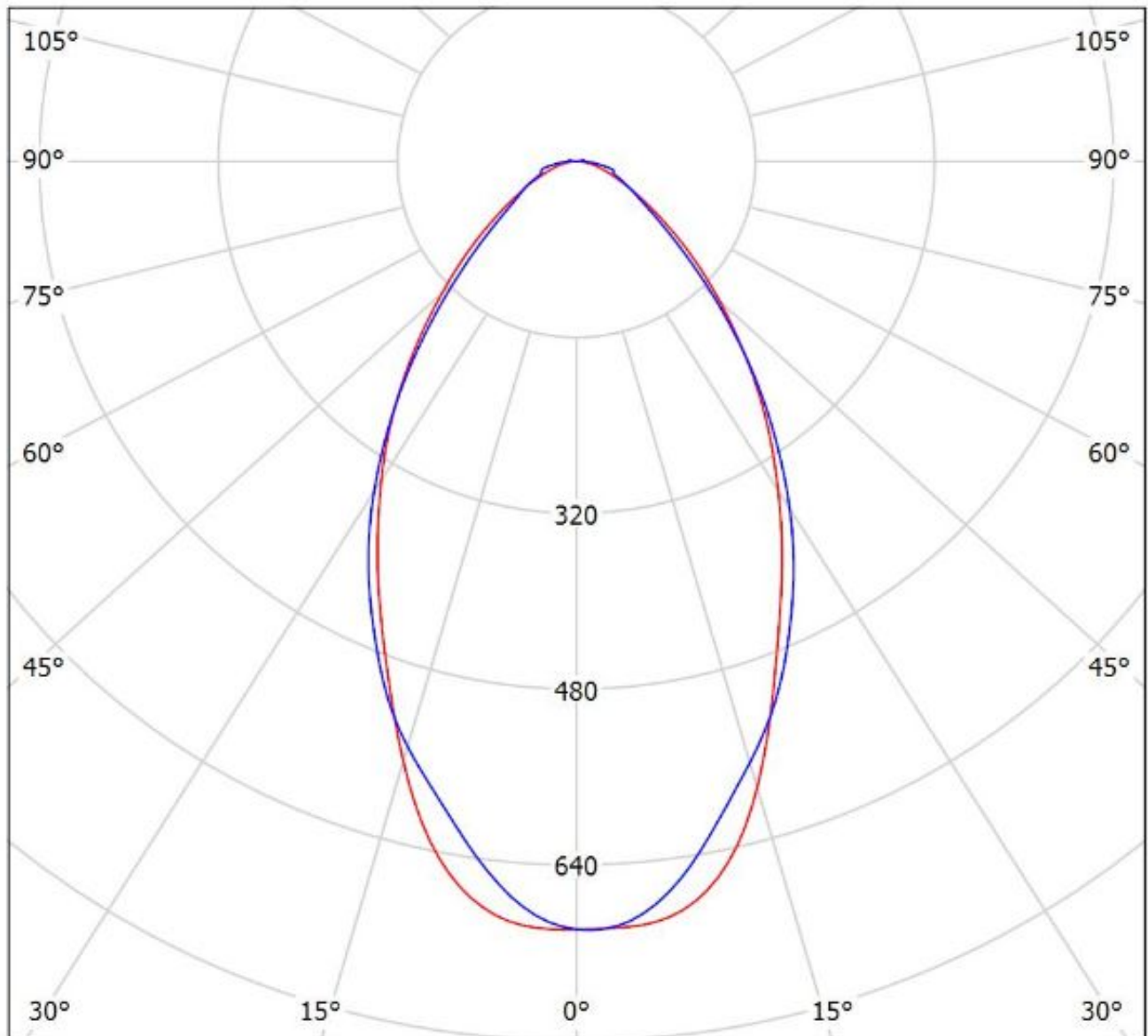
— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: Ledil F14112_FLORENCE-Z60_(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

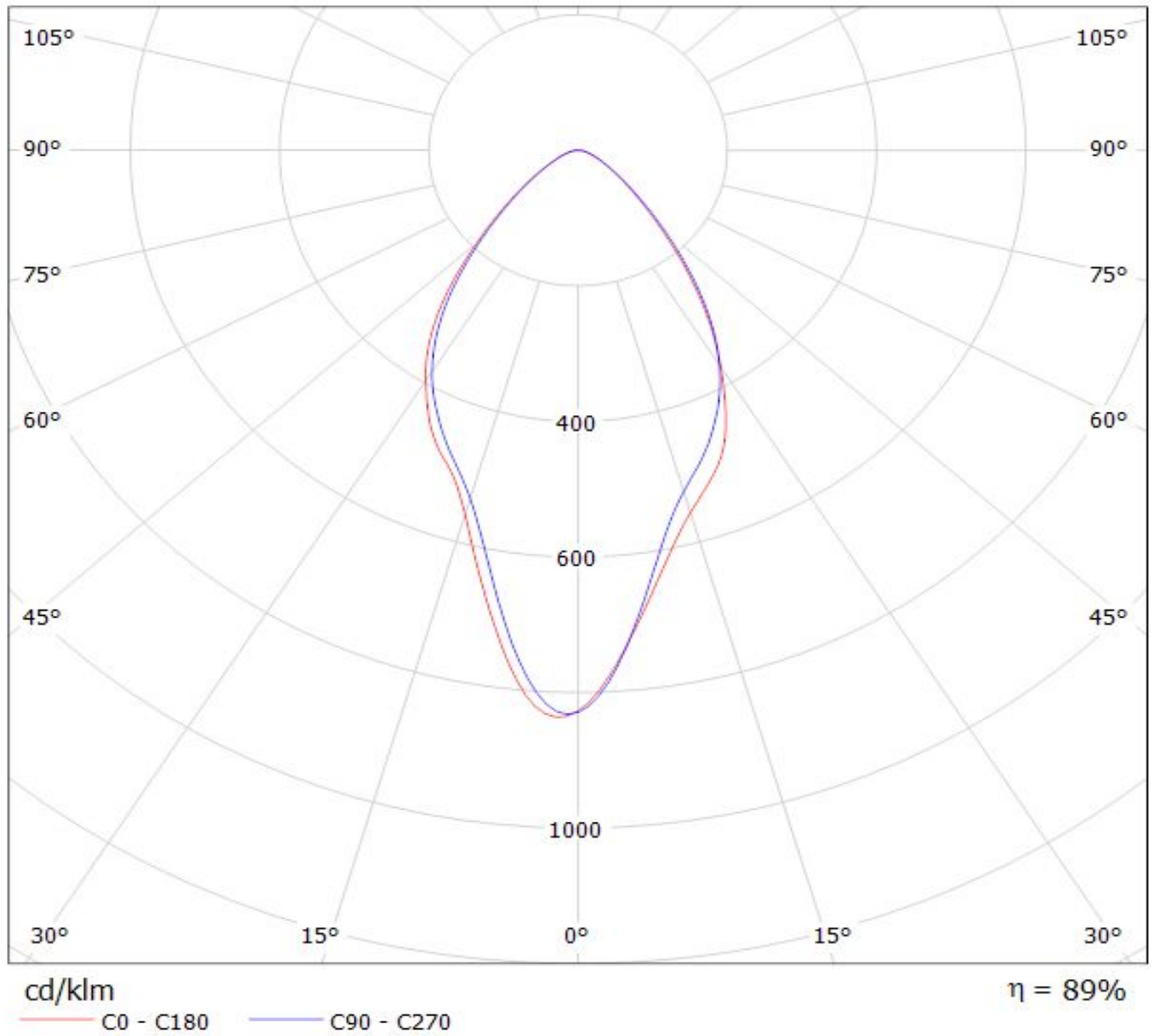


cd/klm

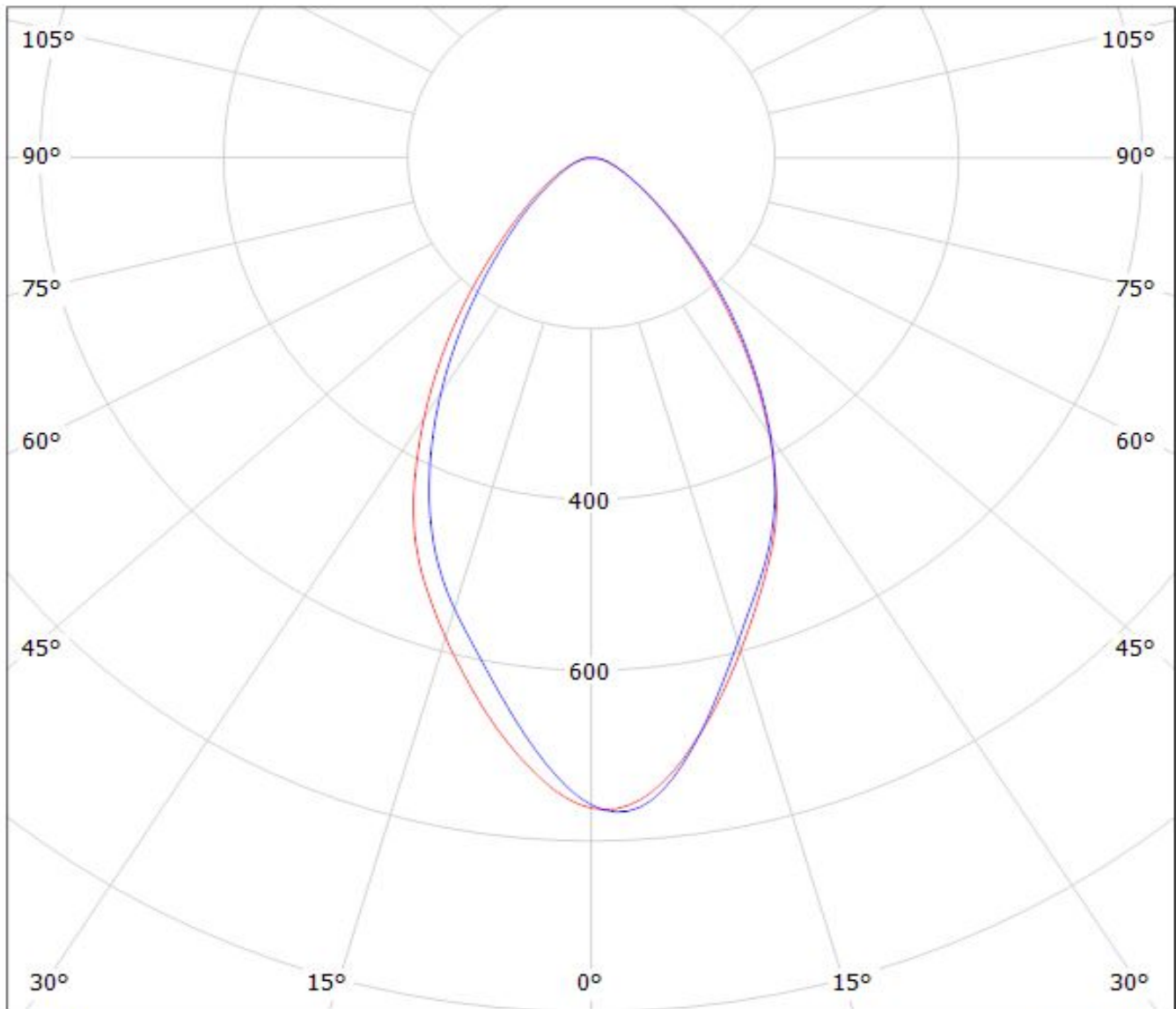
— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LM231B) Eff.88.8%
Lamps: 1 x SAMSUNG_LM231B_571.834lm@150mA_P=4.62435W_I=150mA



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(SAMSUNG_LM561B)
Lamps: 1 x SAMSUNG_LM561B_679.266lm@150mA_P=4.6185W_I=150mA



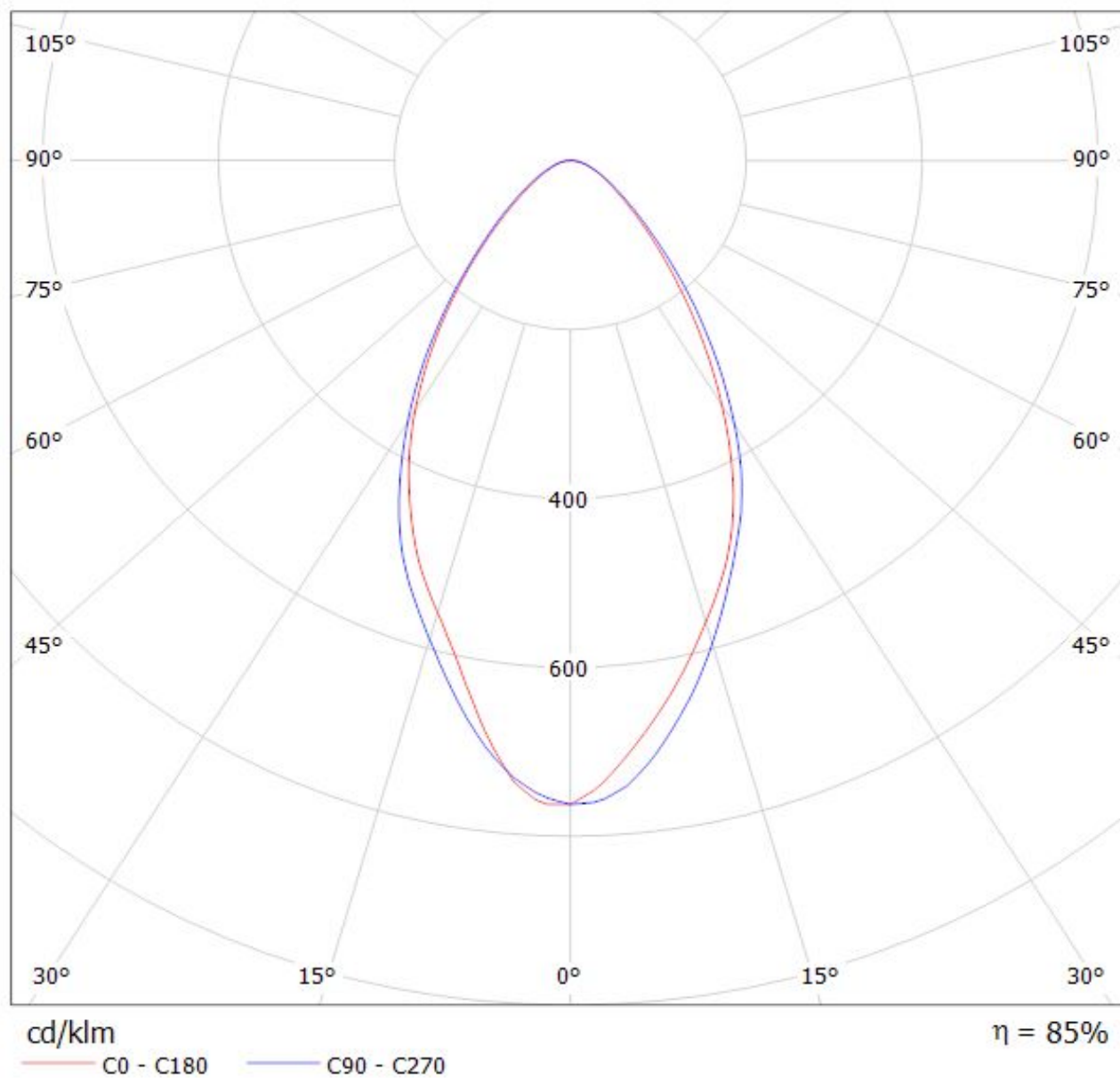
cd/klm

— C0 - C180 — C90 - C270

$\eta = 86\%$

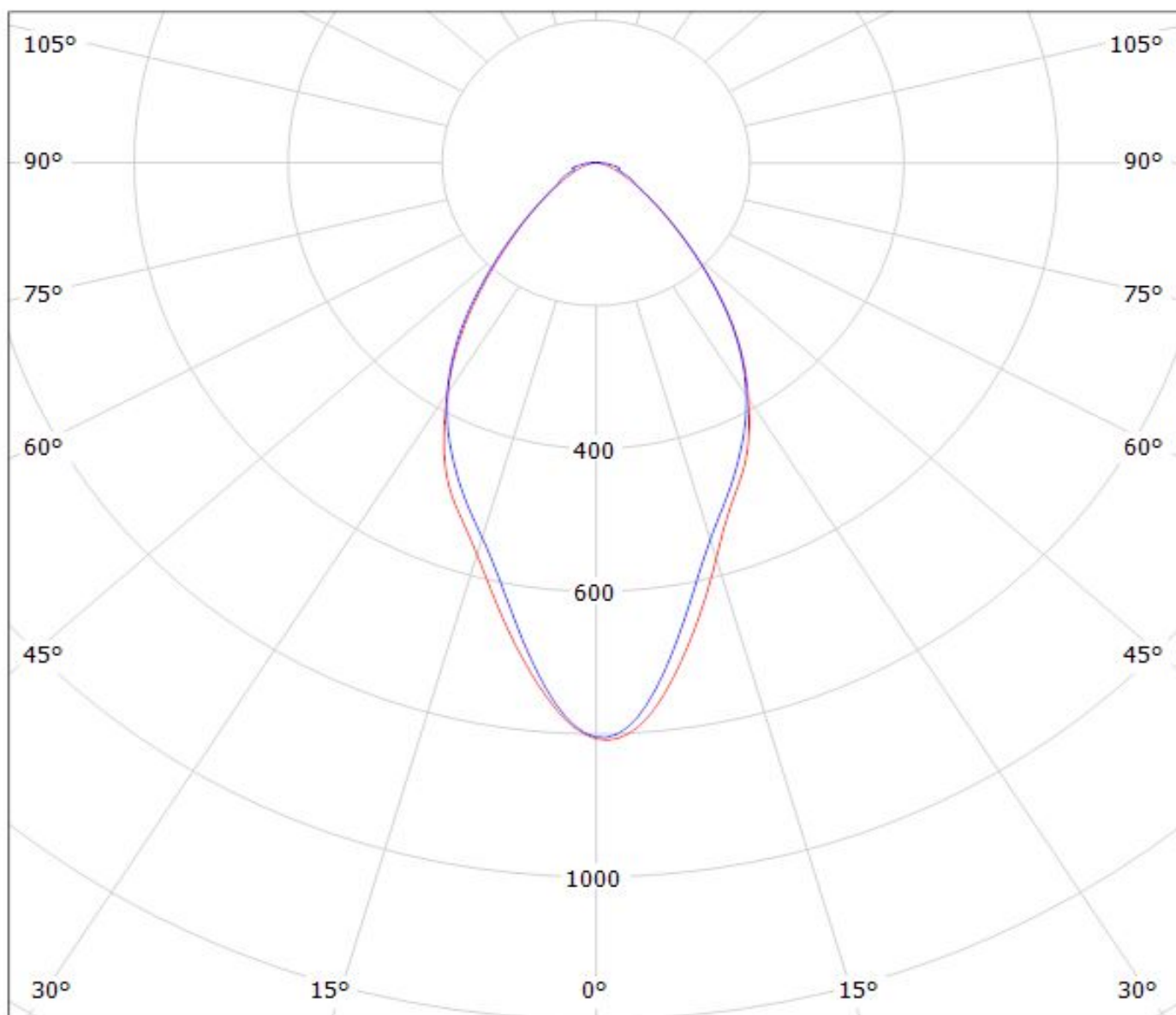
Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(SAMSUNG_LM362A)

Lamps: 1 x SAMSUNG_LM362A 1387lm@200mA P:12W



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(LT-R286A)

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



cd/klm

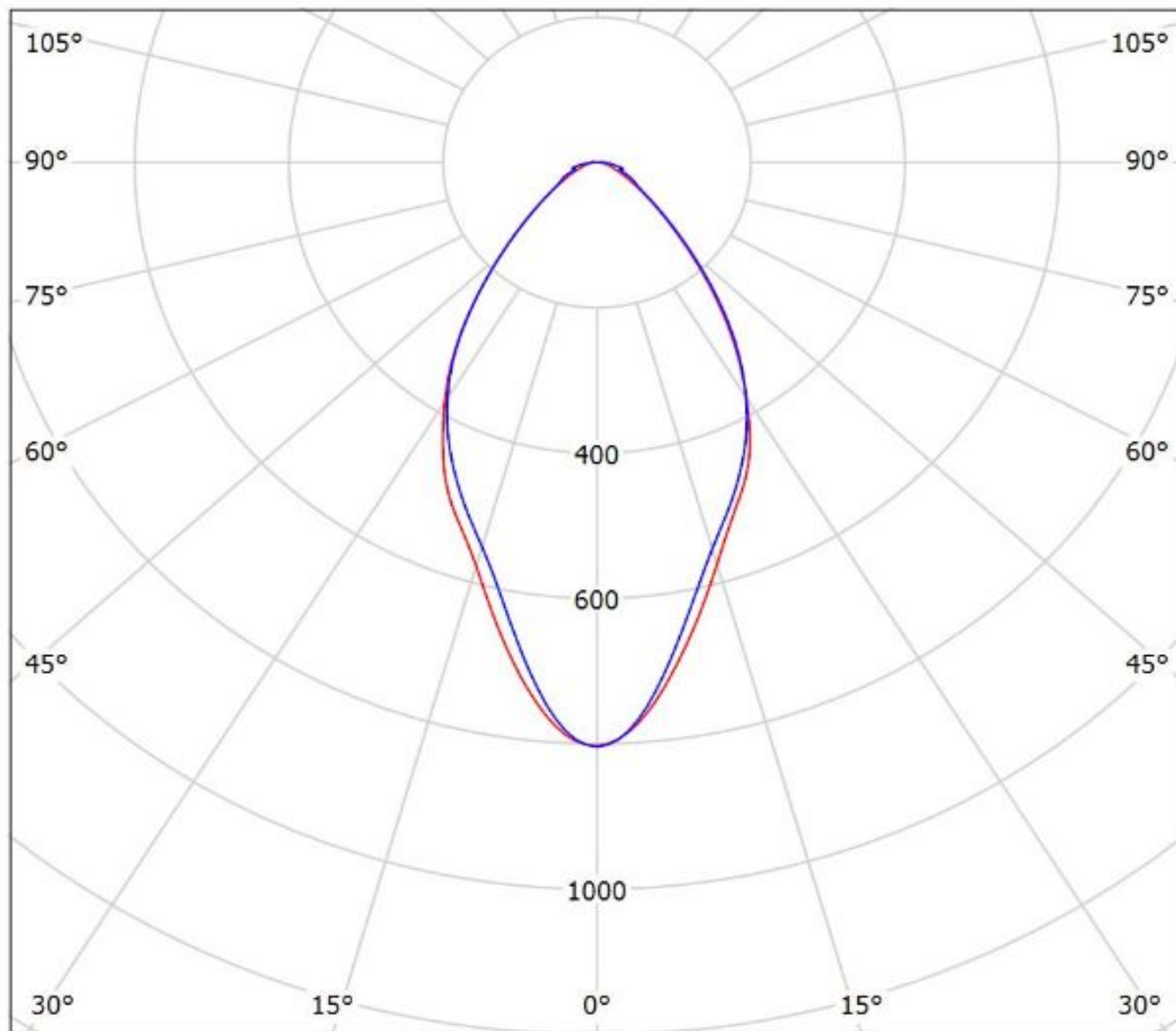
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: Ledil F14112_FLORENCE-Z60_(LM561B PLUS)

Lamps: 1 x Samsung LM561B PLUS 1366.12lm@250mA_P=8.071W_I=0.25A

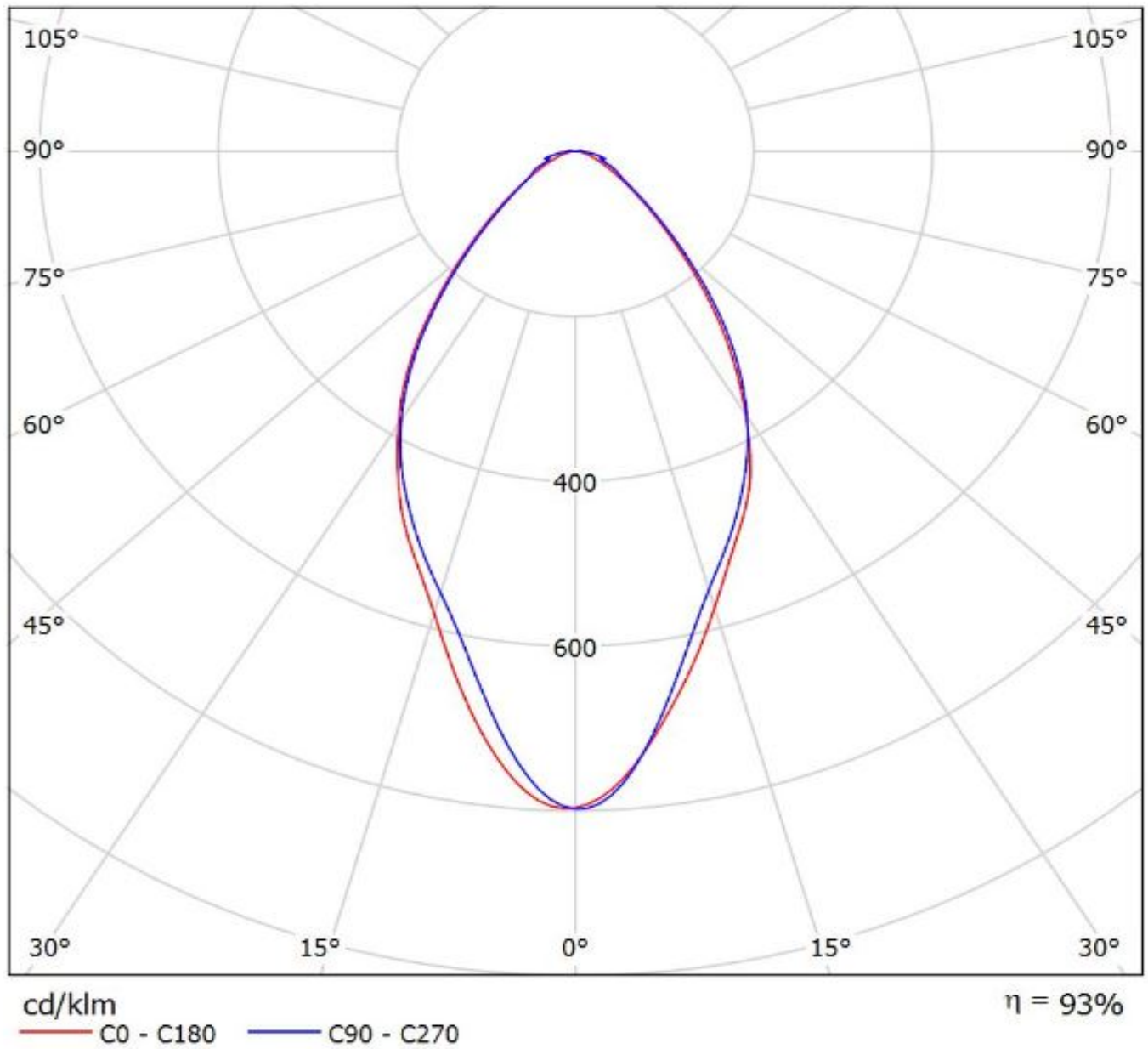


cd/klm

— C0 - C180 — C90 - C270

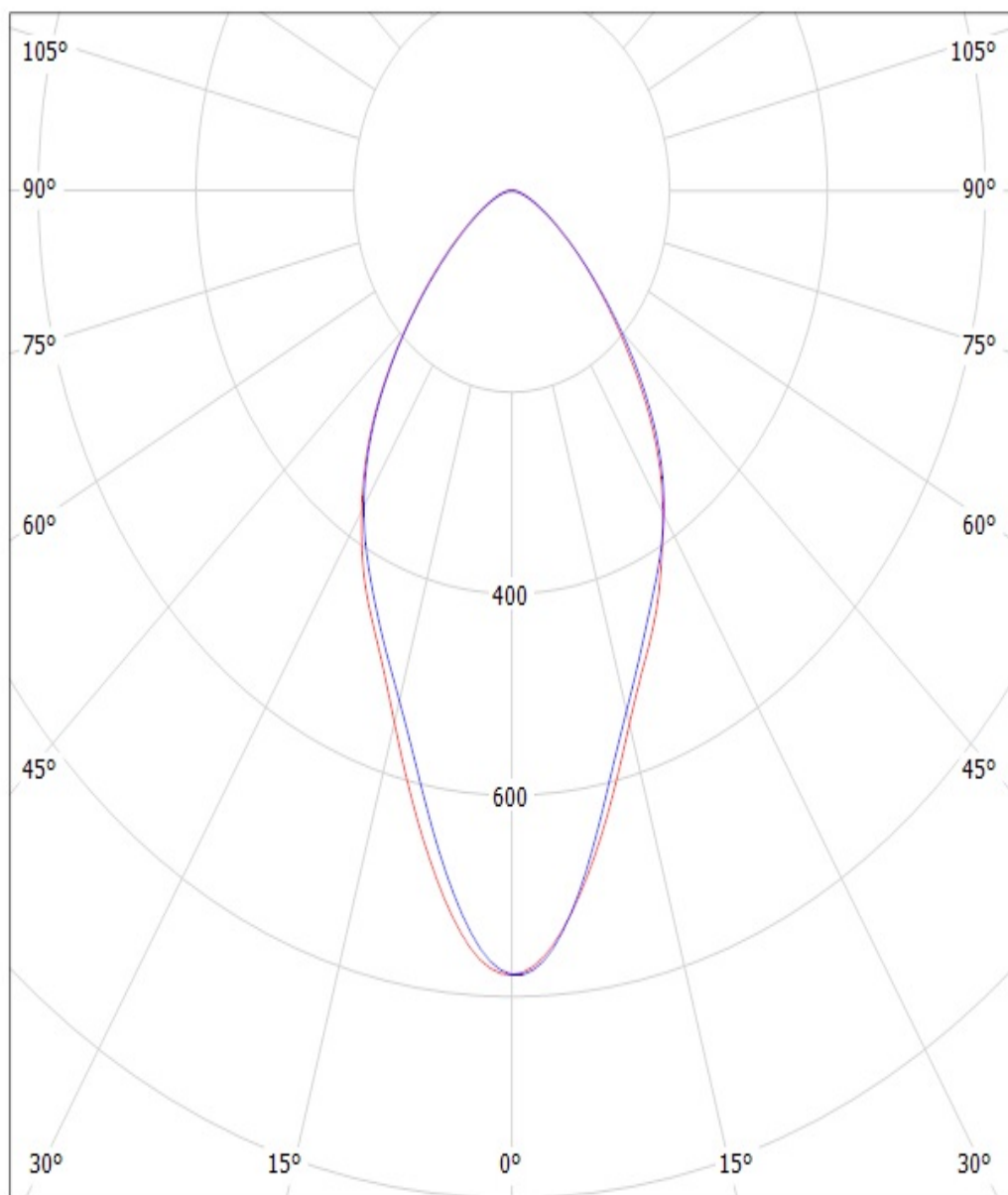
$\eta = 93\%$

Luminaire: Ledil F14112_FLORENCE-Z60_(LM561C)
Lamps: 1 x Samsung LM561C 1407.48lm@250mA_P=7.7190W_I=0.25A



Luminaire: LEDiL Oy F14112_FLORENCE-Z60_(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



cd/klm

$\eta = 91\%$

— 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.