

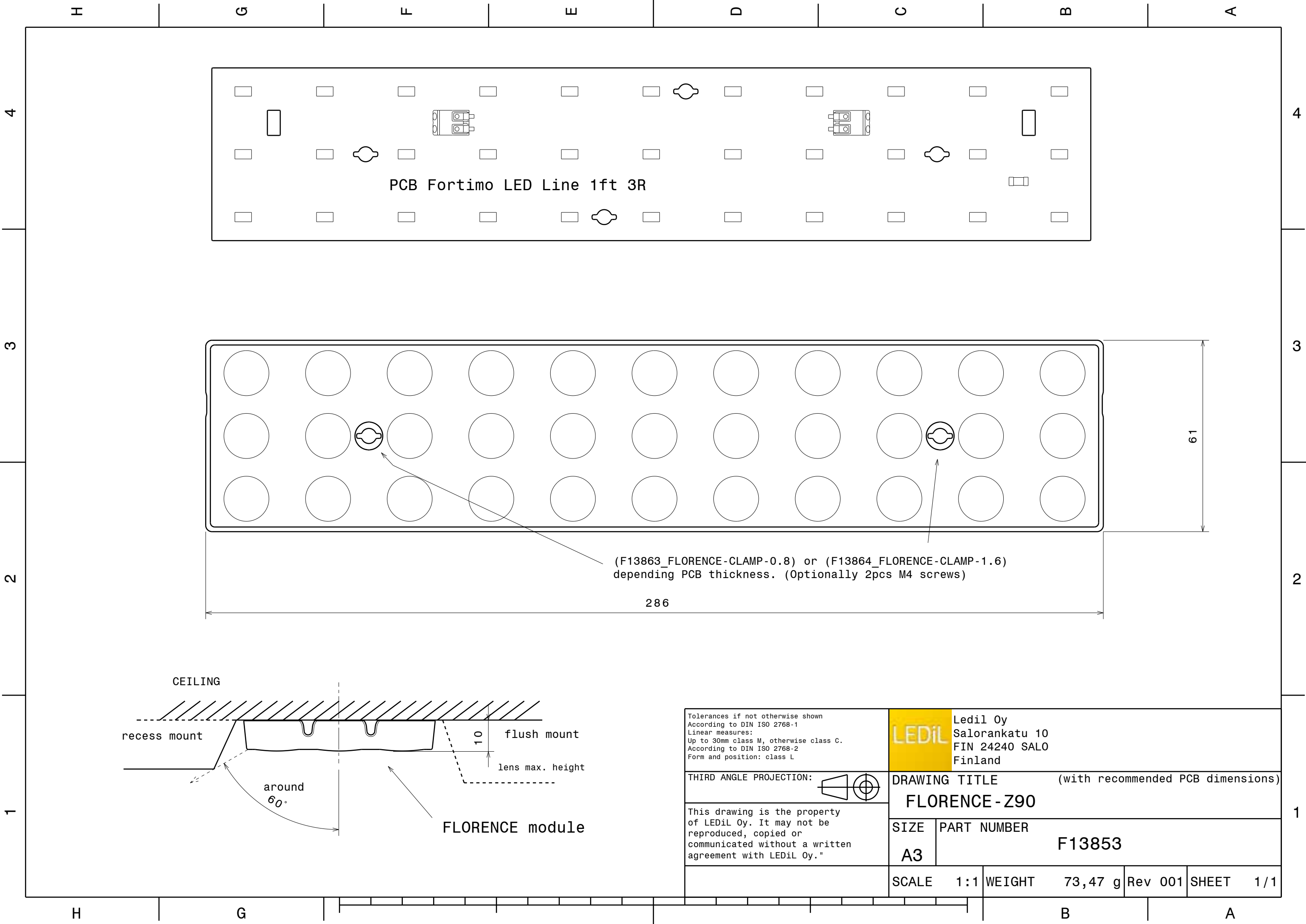
DETAILS

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	ready
ROHS Comliant	Yes
Date Updated	27/03/2015

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
LG 7030	sim: 91	WWW-class	-	sim: 0.320	-
LM561B	86 deg	WWW-class	85 %	0.420	-
MP-2016	90 deg	WWW-class	91 %	0.420	-
Duris S5 (Single chip)	91 deg	WWW-class	88 %	0.410	-
Luxeon XR-3535L (L202 - xxxx033C30001)	91 deg	WWW-class	93 %	0.430	-
LM231 A/B	91 deg	WWW-class	88 %	0.414	-
Luxeon 3030 2D	91 deg	WWW-class	87 %	0.420	-
Duris E5	92 deg	WWW-class	88 %	0.400	-
5630 (ASMU-LWG0-NxxE)	92 deg	WWW-class	90 %	0.400	-
LG 6030	92 deg	WWW-class	88 %	0.410	-
Luxeon 3535	92 deg	WWW-class	87 %	0.410	-
NF2x757D	92 deg	WWW-class	90 %	0.430	-
Fortimo LED Line 1ft 1100lm 8x0 3R xV2	92 deg	WWW-class	88 %	0.400	-
Fortimo LED Line 1ft 650lm 8x0 3R xV2	93 deg	WWW-class	87 %	0.390	-
STARK LLE-55-280-1650 CLASSIC	93 deg	WWW-class	90 %	0.420	-
LG 5630	93 deg	WWW-class	87 %	0.390	-
Duris P5	94 deg	WWW-class	83 %	0.370	-
XH-B/G	95 deg	WWW-class	82 %	0.370	-





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

(with recommended PCB dimensions)

FLORENCE - Z90

SIZE

A3

PART NUMBER

F13853

SCALE

1:1

WEIGHT

73,47 g

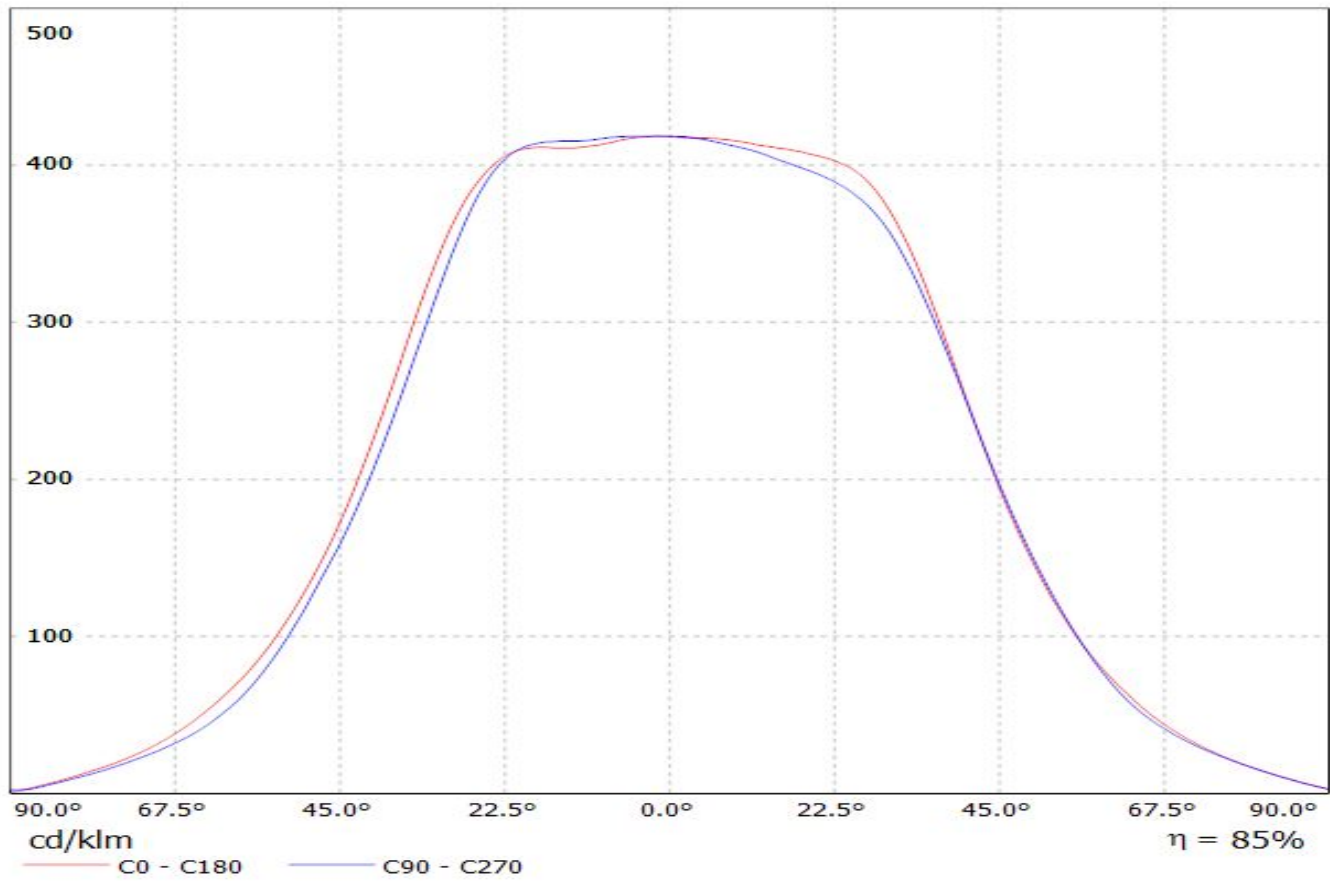
Rev

001

SHEET

1/1

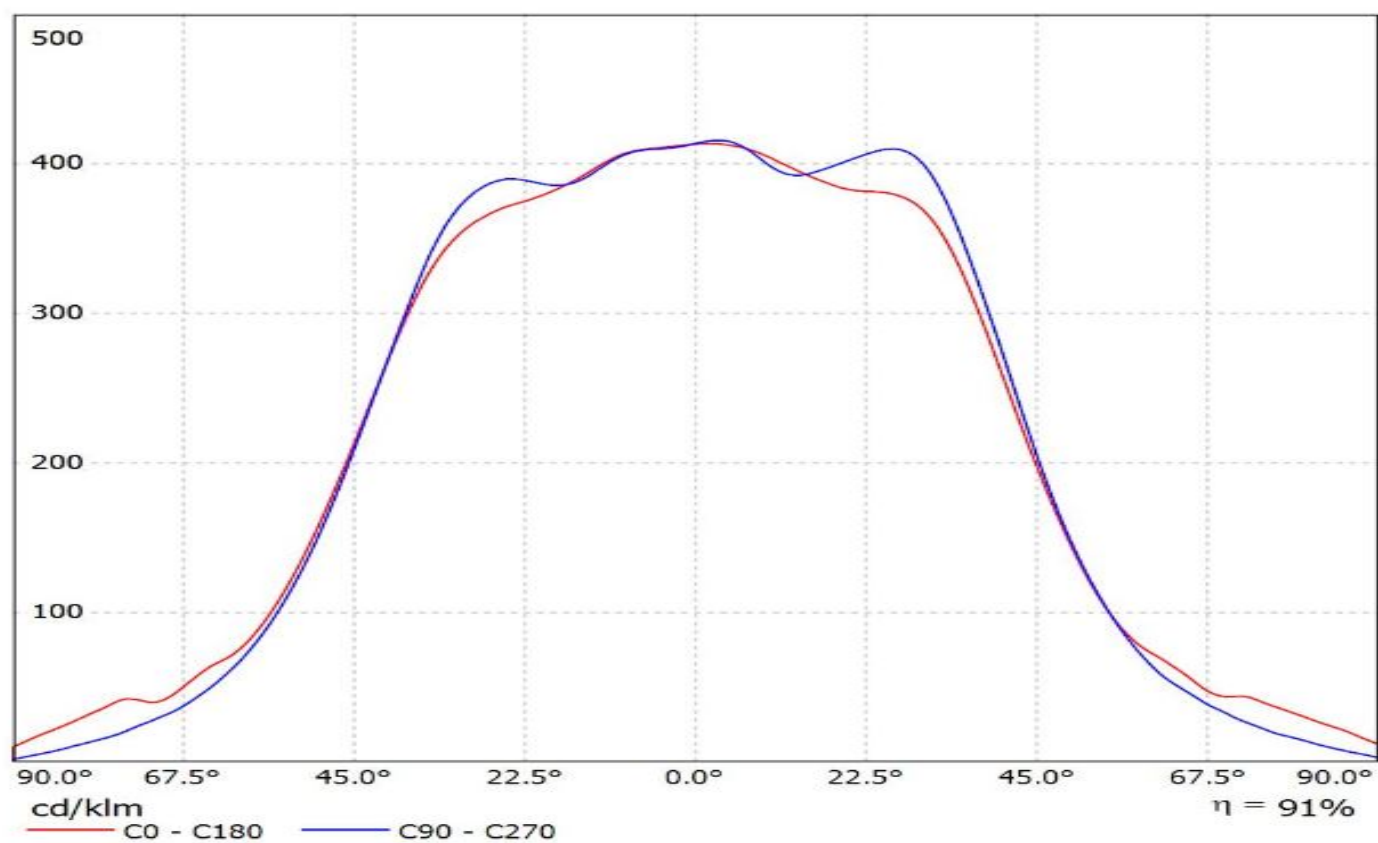
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(SAMSUNG_LM561B)
Lamps: 1 x SAMSUNG_LM561B_679.266lm@150mA_P=4.6185W_I=150mA



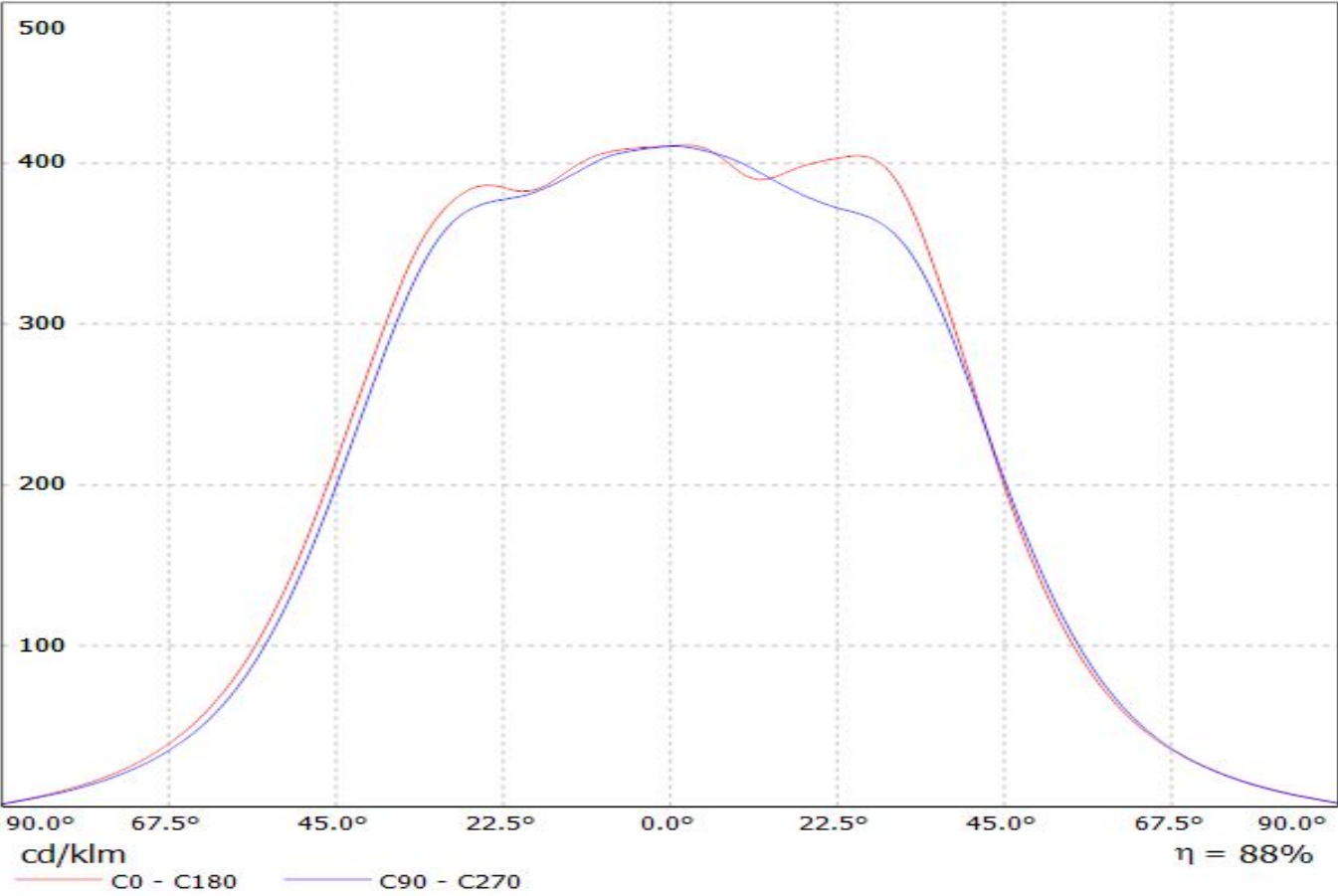
Ledil F13853_FLORENCE-Z90_(MP-2016) / LDC (Linear)

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_(DURIS_S5) Eff.87.5%
Lamps: 1 x DURIS_S5_500.39lm@120mA_P=3.76814W_I=120.1mA

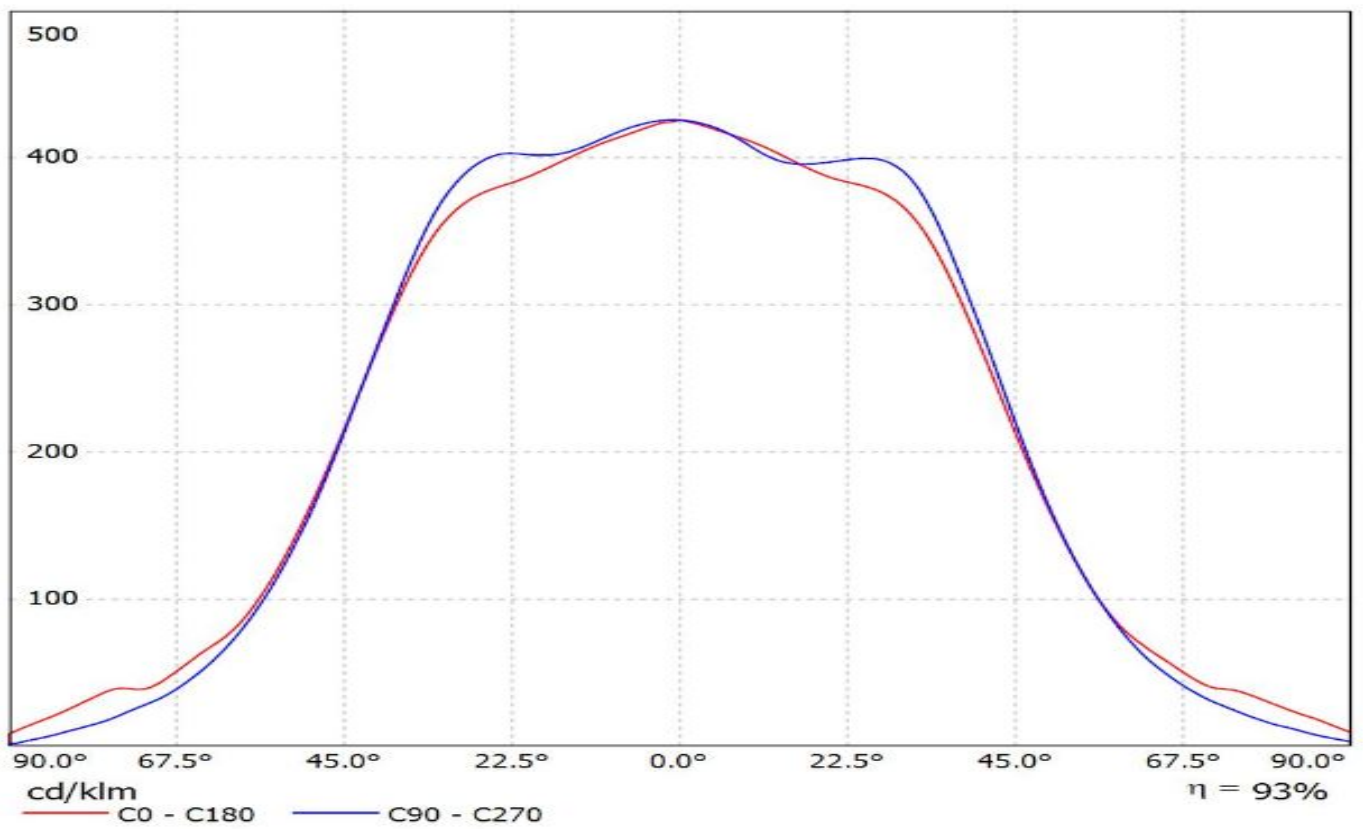


Ledil F13853_FLORENCE-Z90_(Luxeon_XR-3535L) / LDC (Linear)

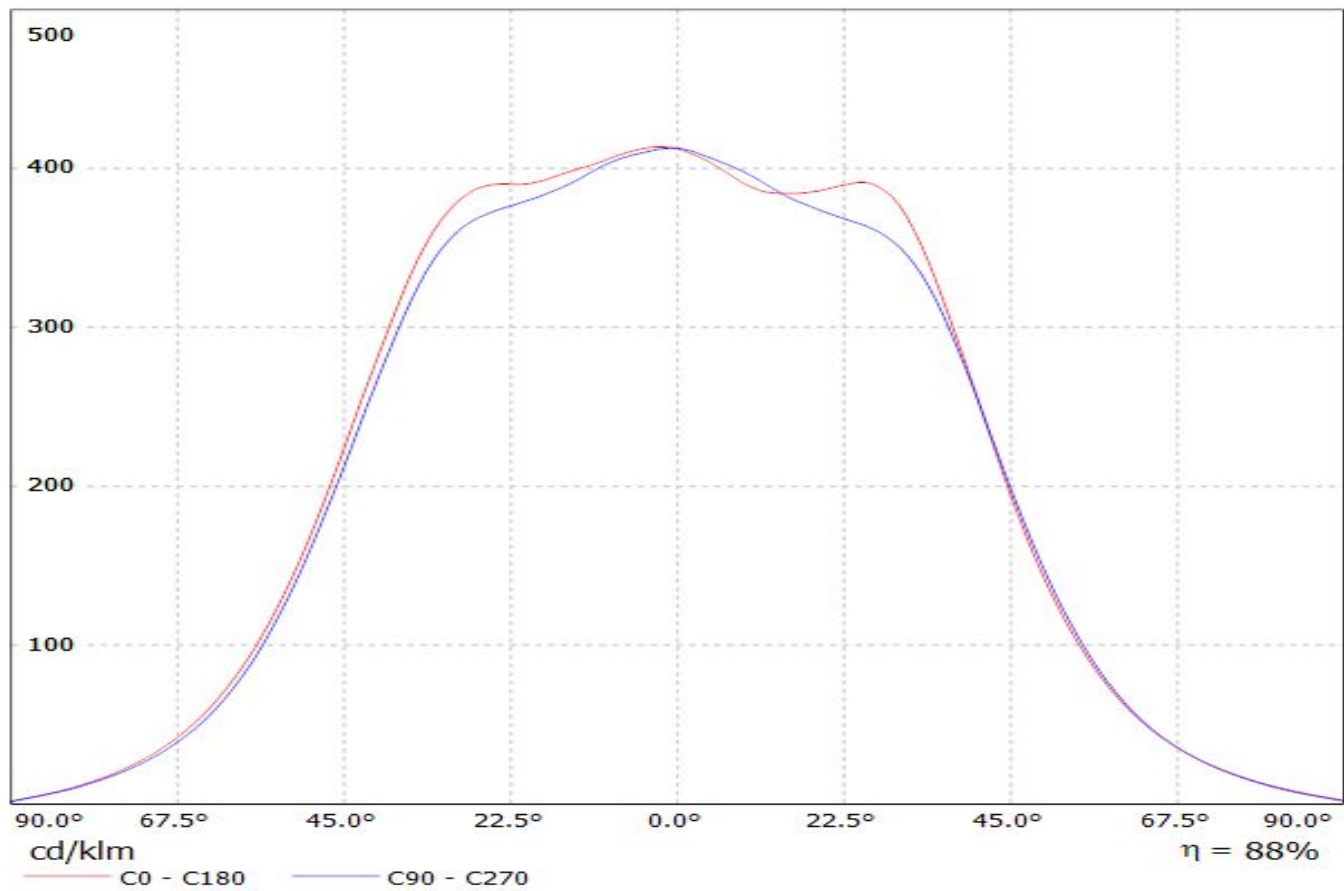
Luminaire: Ledil F13853_FLORENCE-Z90_(Luxeon_XR-3535L)

Lamps: 1 x Lumileds_Luxeon_XR-3535L_3x11_(L202-3080033C30001)

_1087.37lm@250mA_CCT=3000K_P=8.15W_I=0.25A



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

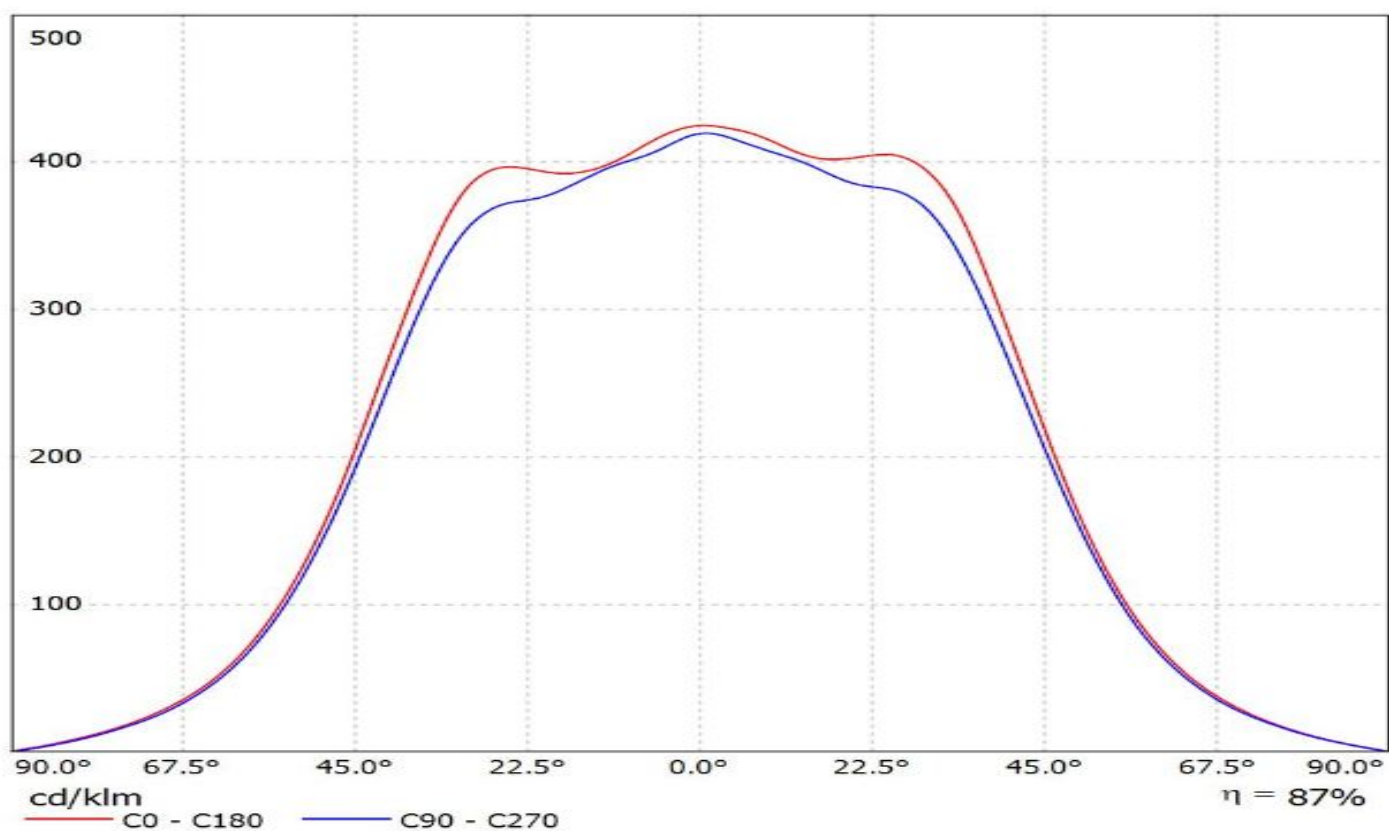


Ledil F13853_FLORENCE-Z90_(Luxeon_3030_2D) / LDC (Linear)

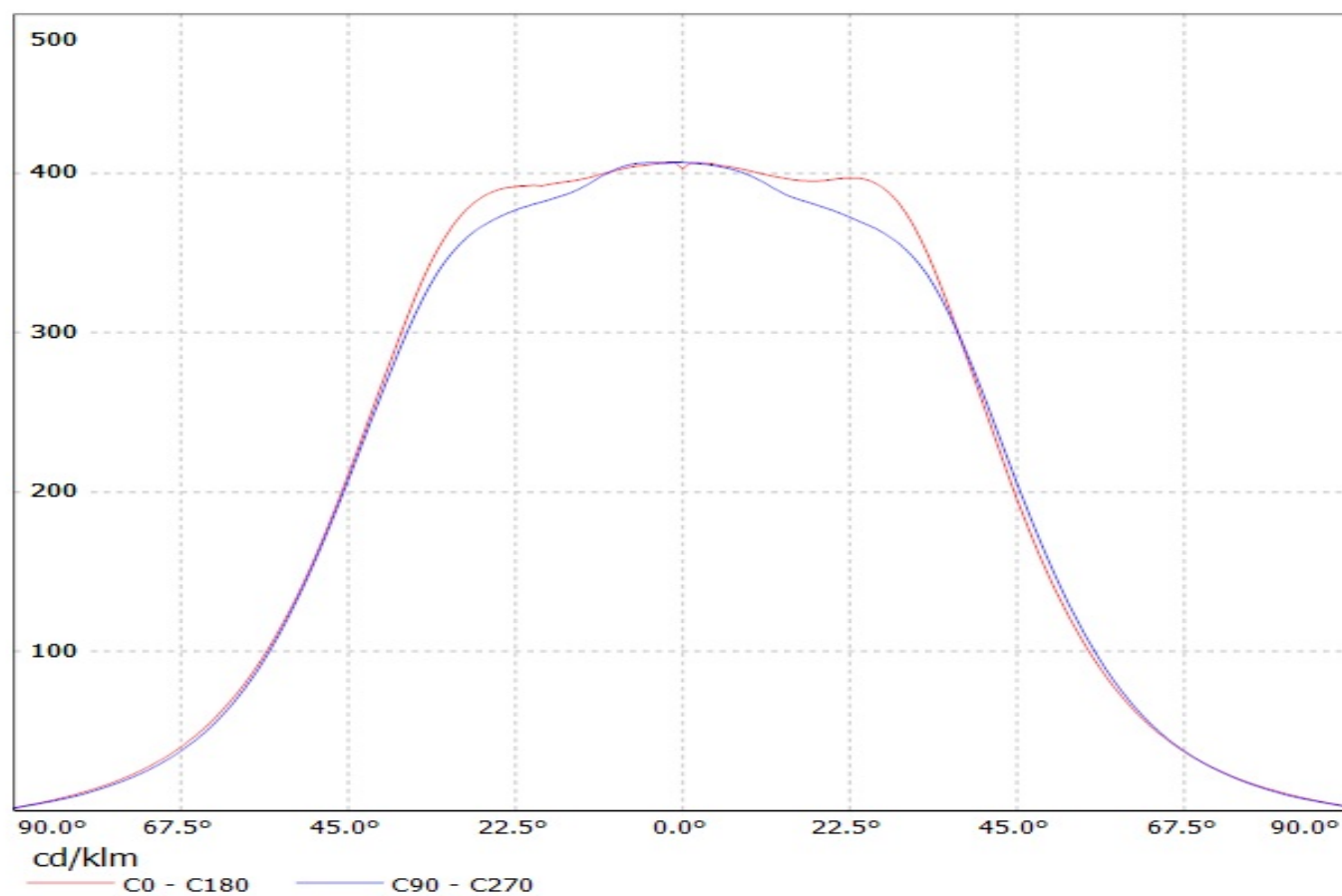
Luminaire: Ledil F13853_FLORENCE-Z90_(Luxeon_3030_2D)

Lamps: 1 x Luxeon_3030_2D_3x11_(L130-4080003000W21)

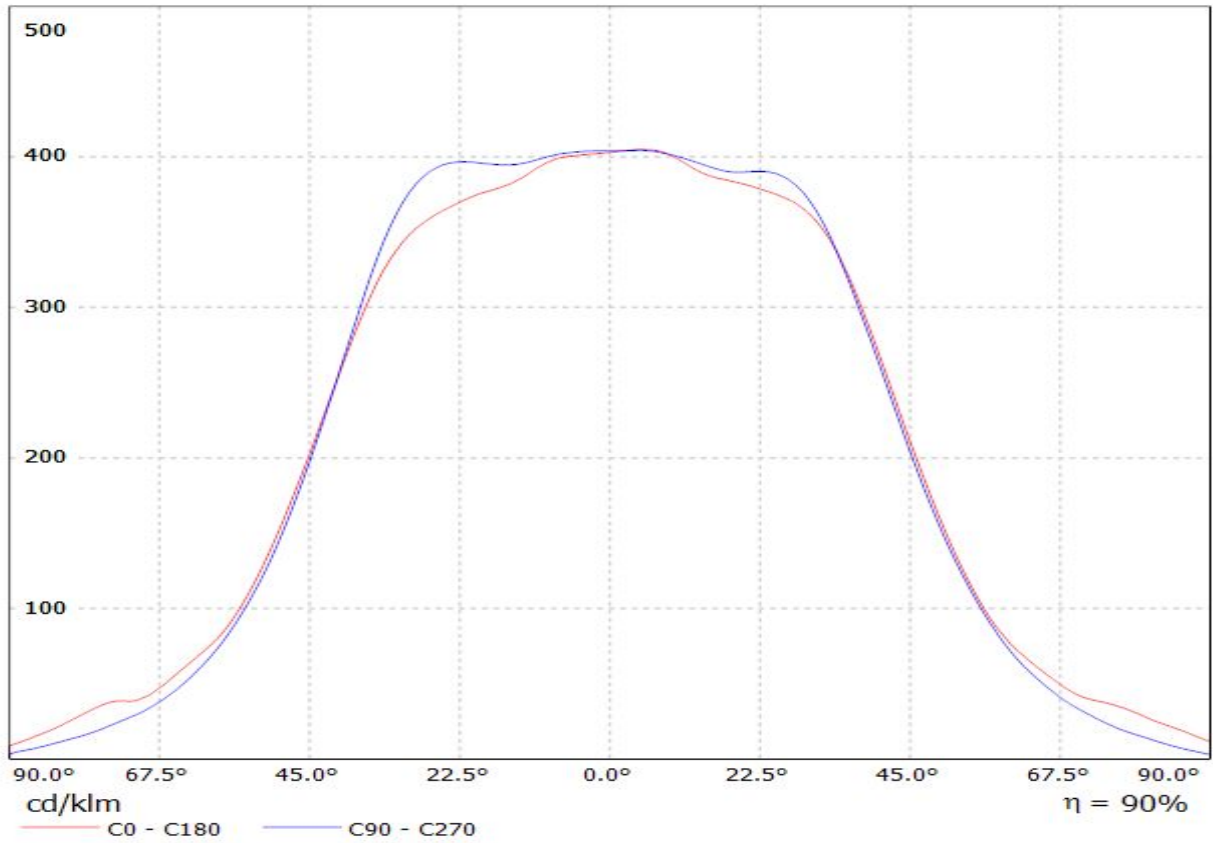
_2150lm@300mA_CCT=4000K_P=12.8W_I=0.3A



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

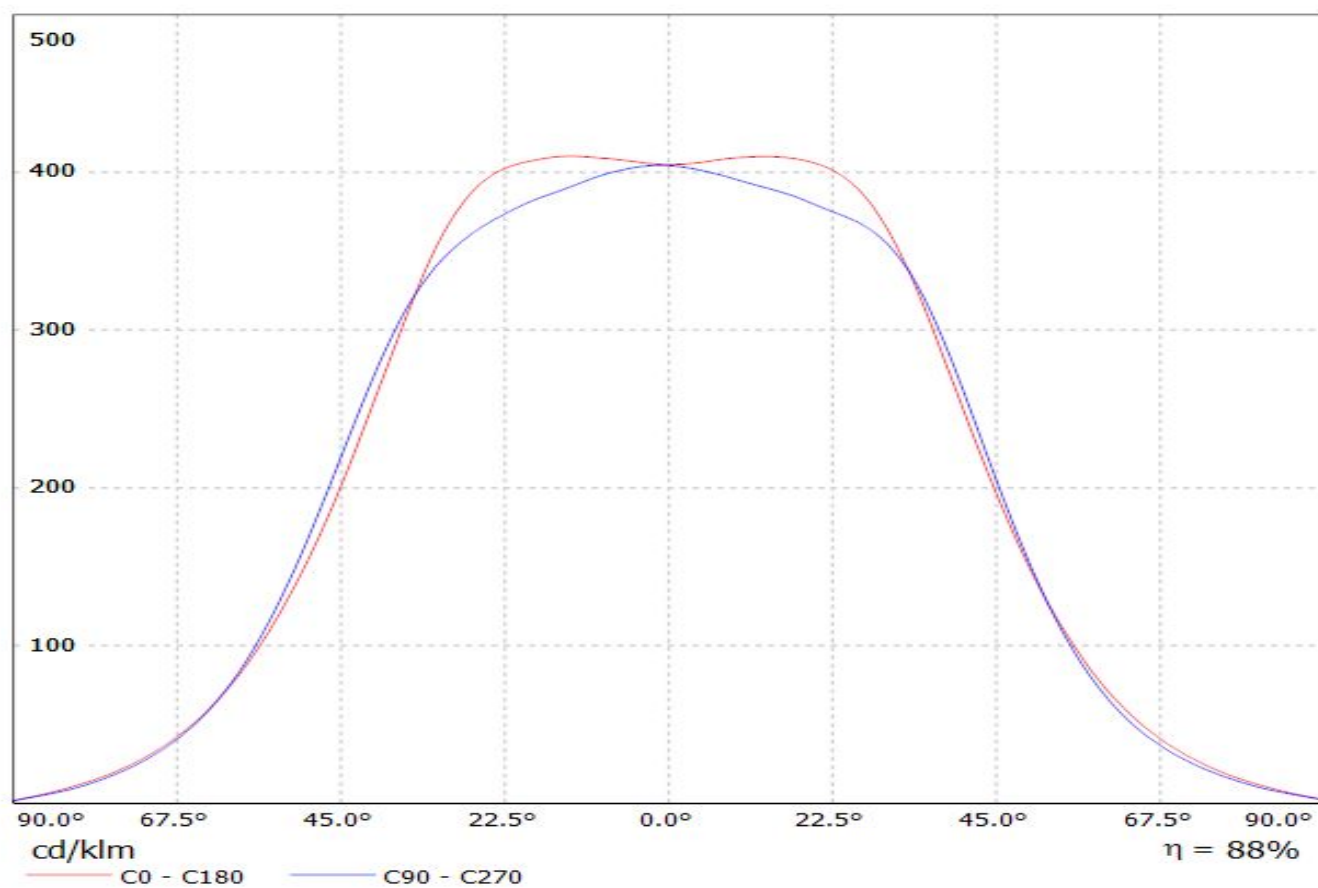


Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(AVAGO 5630 0.5W)
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V

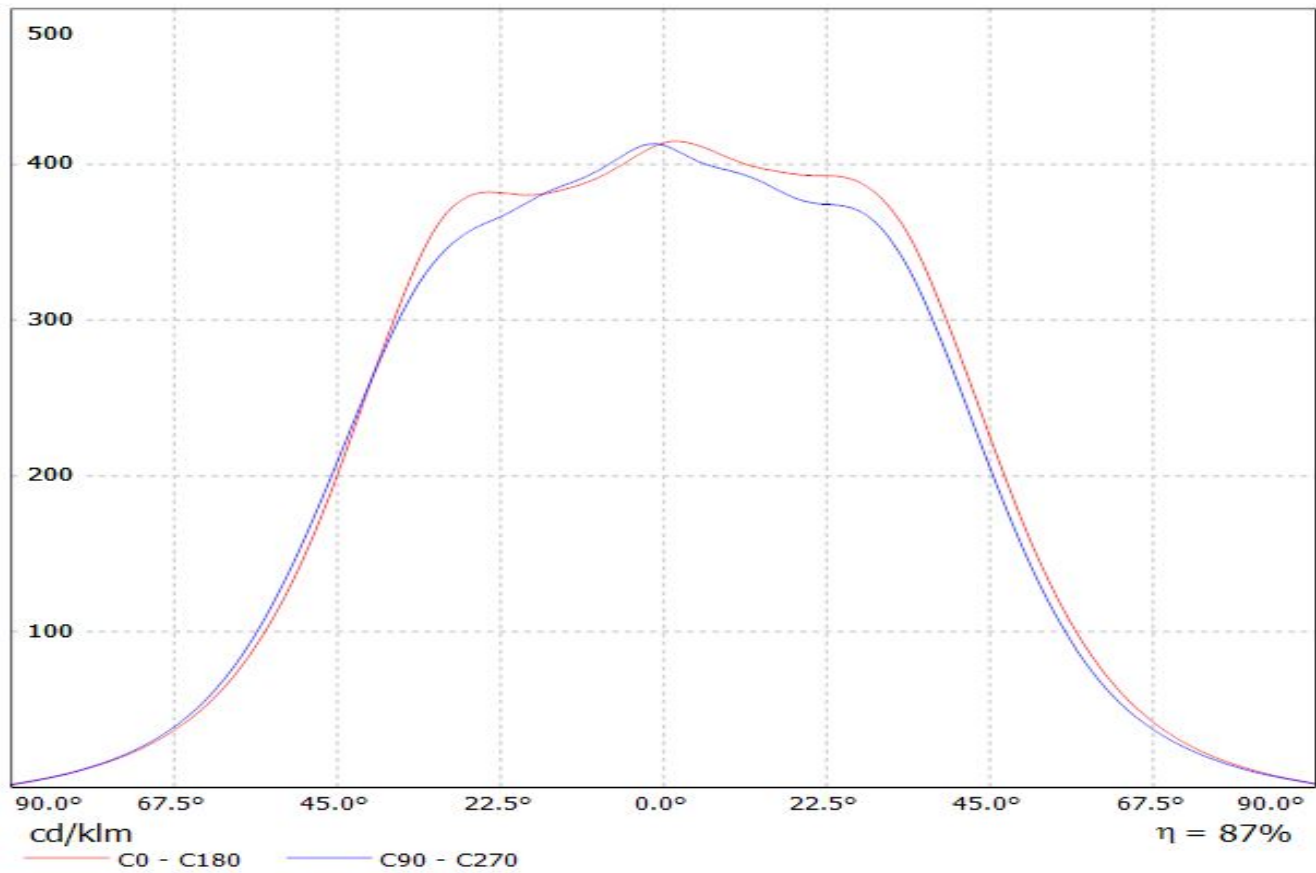


Luminaire: LEDiL Oy F13853_FLORENCE-Z90_LG_6030) Eff.87.9%

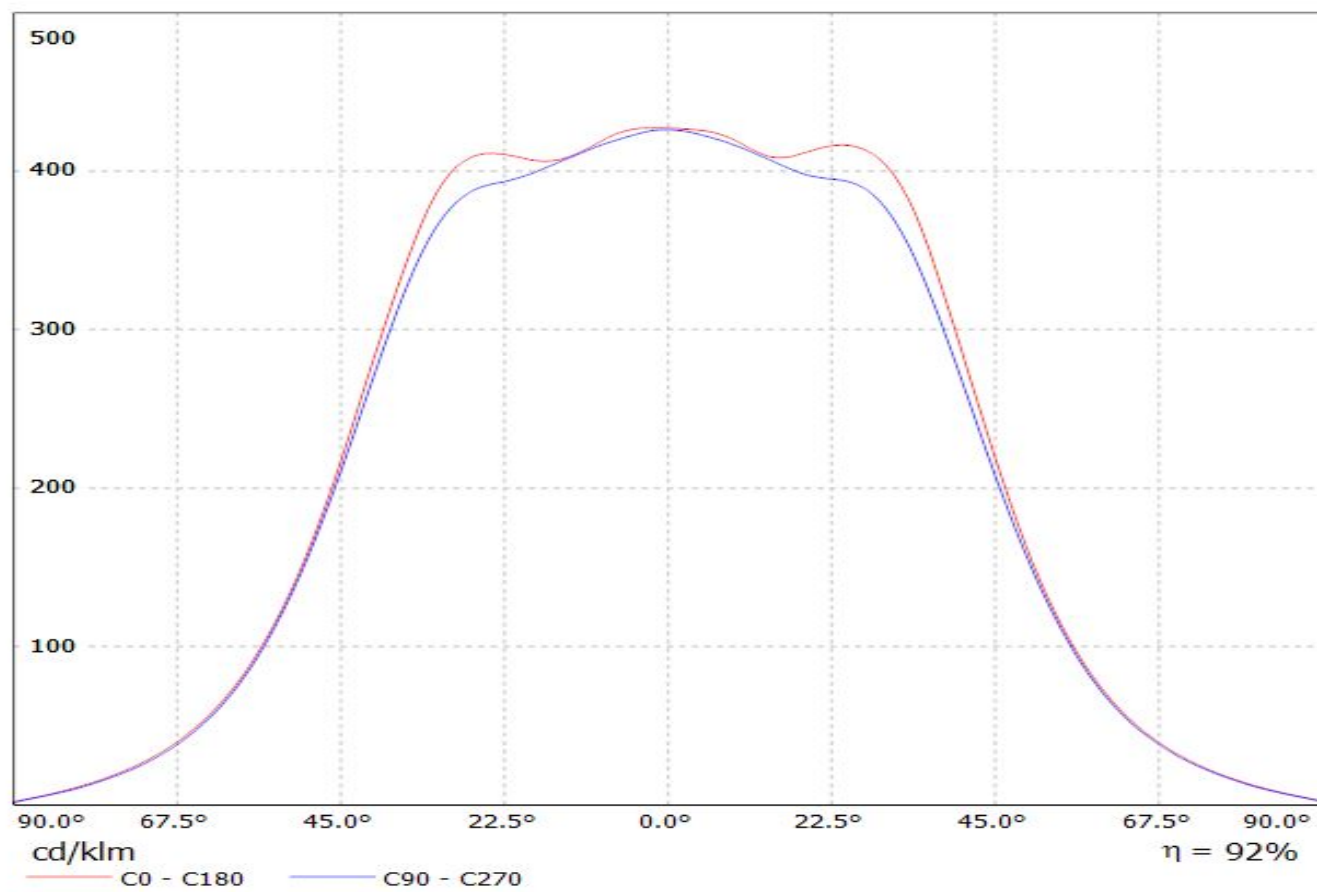
Lamps: 1 x LG_6030_(LEWMS68T80HZ)_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA



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

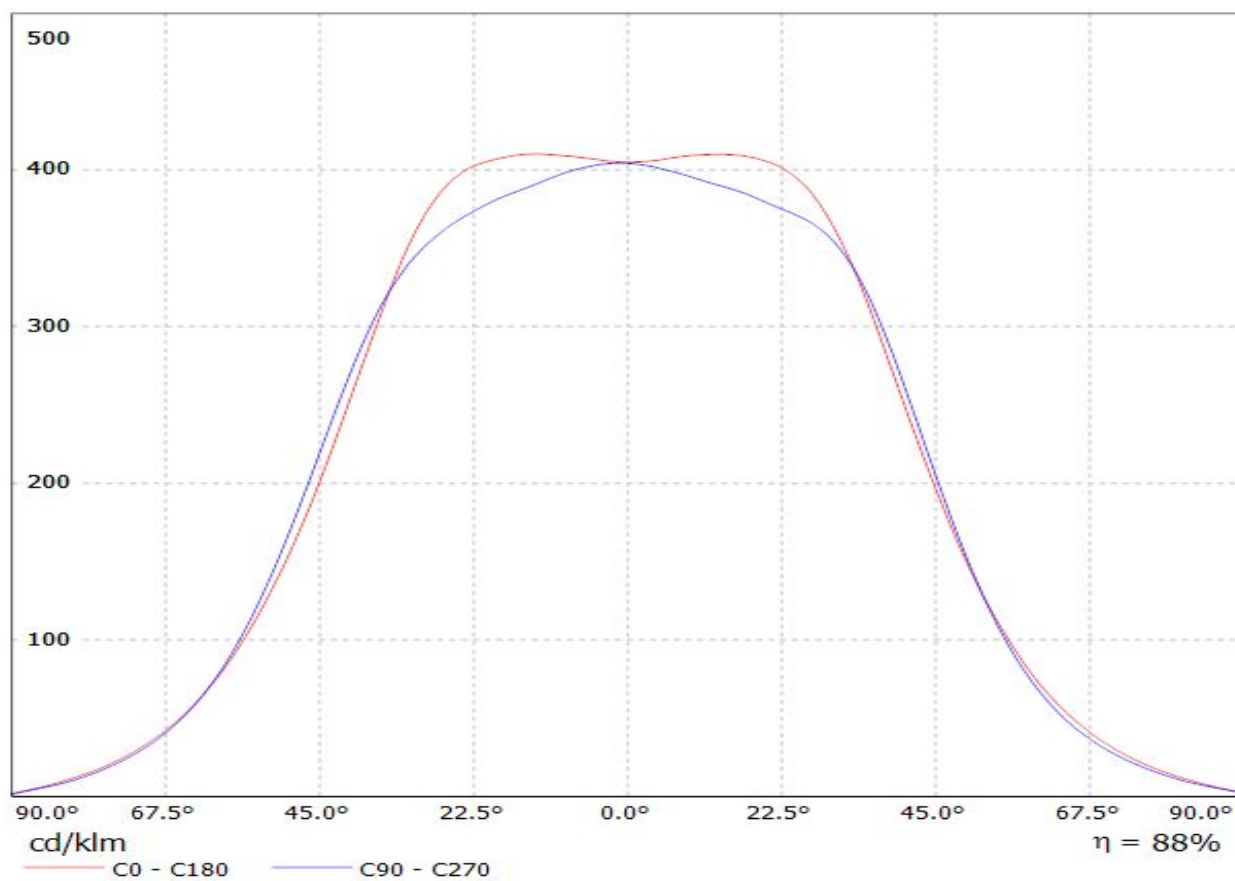


Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(NICHIA757)
Lamps: 1 x NICHIA757 (NT2W757DRT) 1387lm@150mA



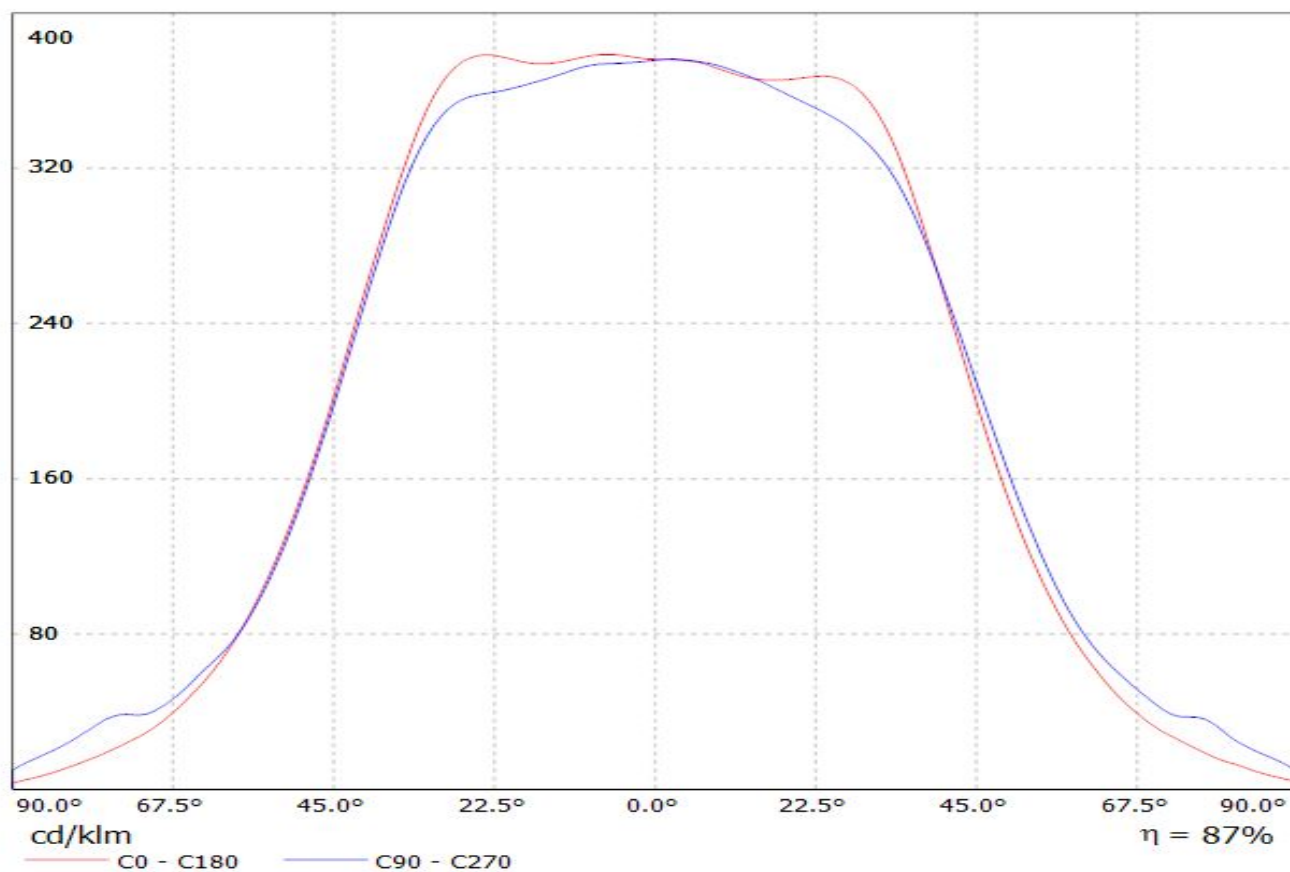
Luminaire: LEDiL Oy F13853_FLORENCE-Z90 Eff.87.9%

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



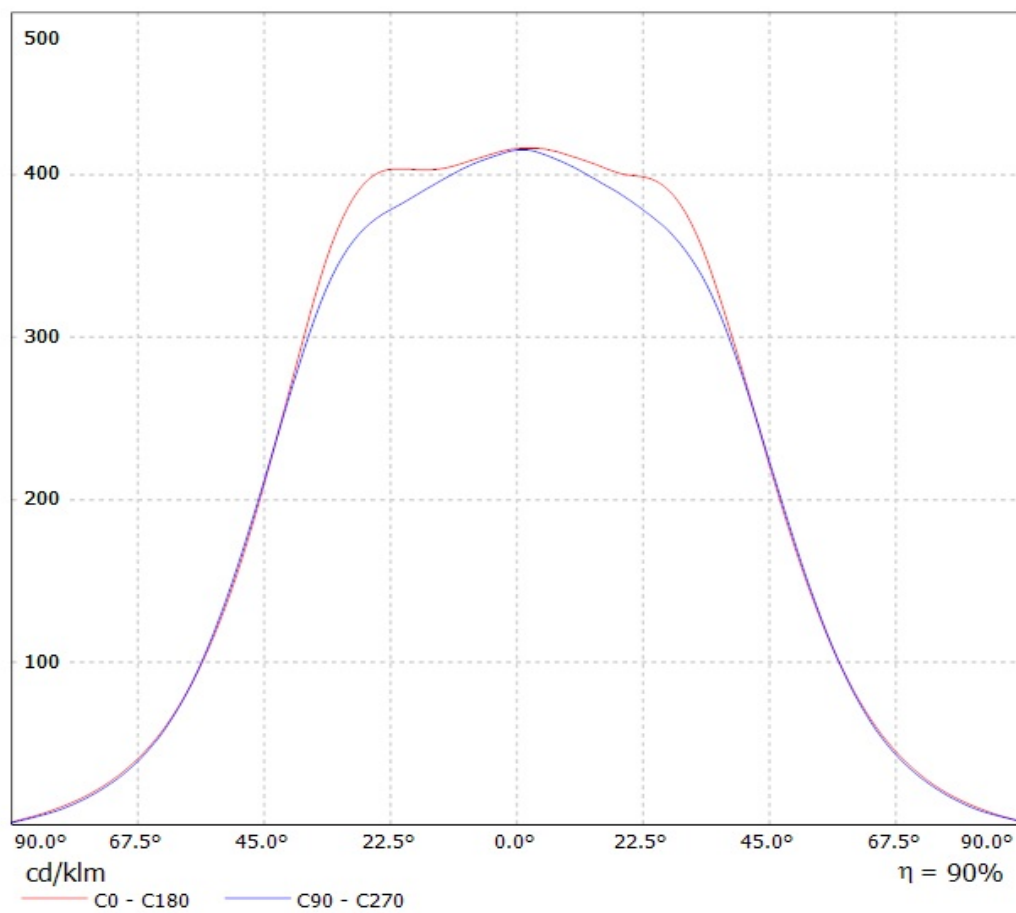
Luminaire: LEDiL Oy F13853_FLORENCE-Z90

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



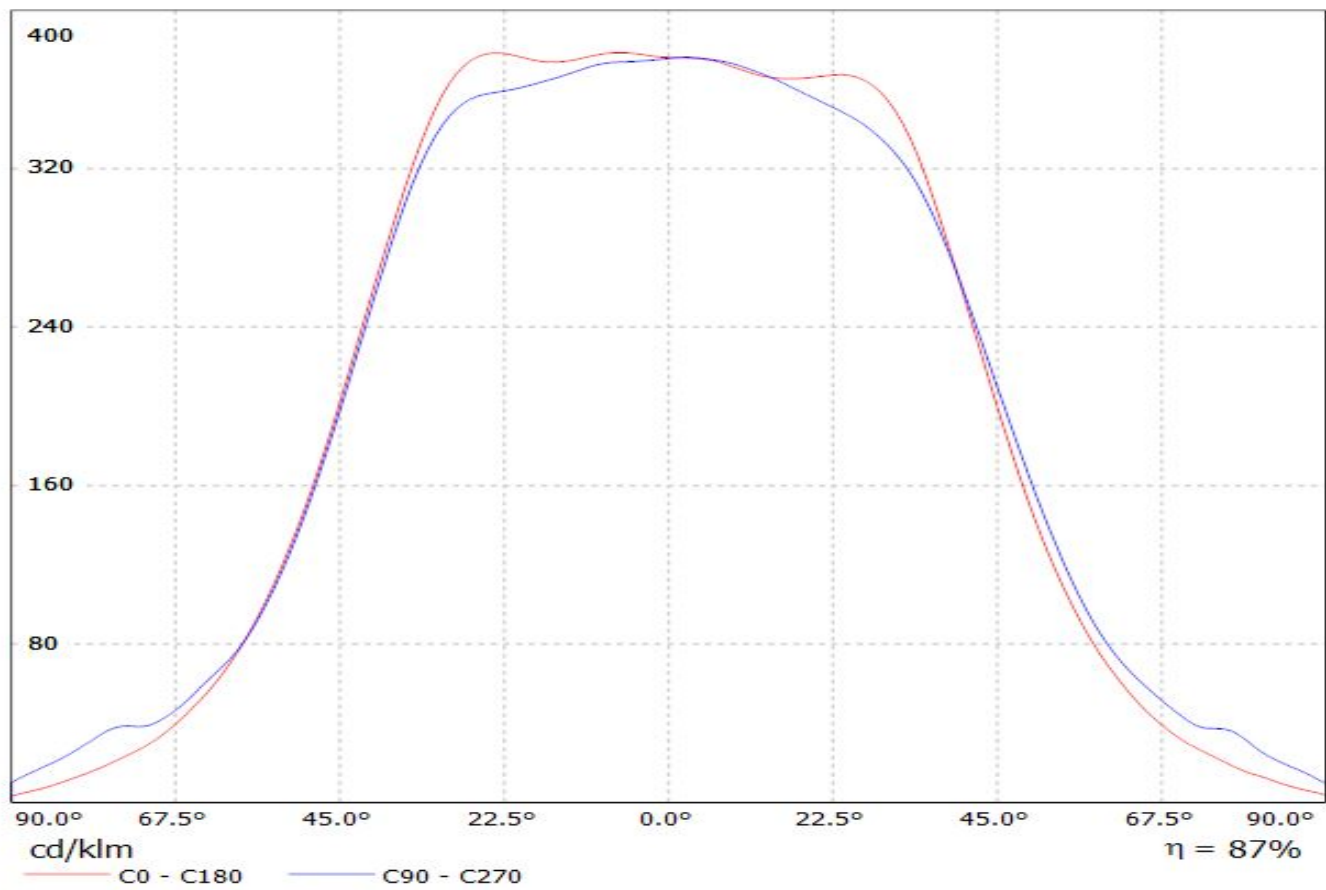
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(LLE-55-280-1650)

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



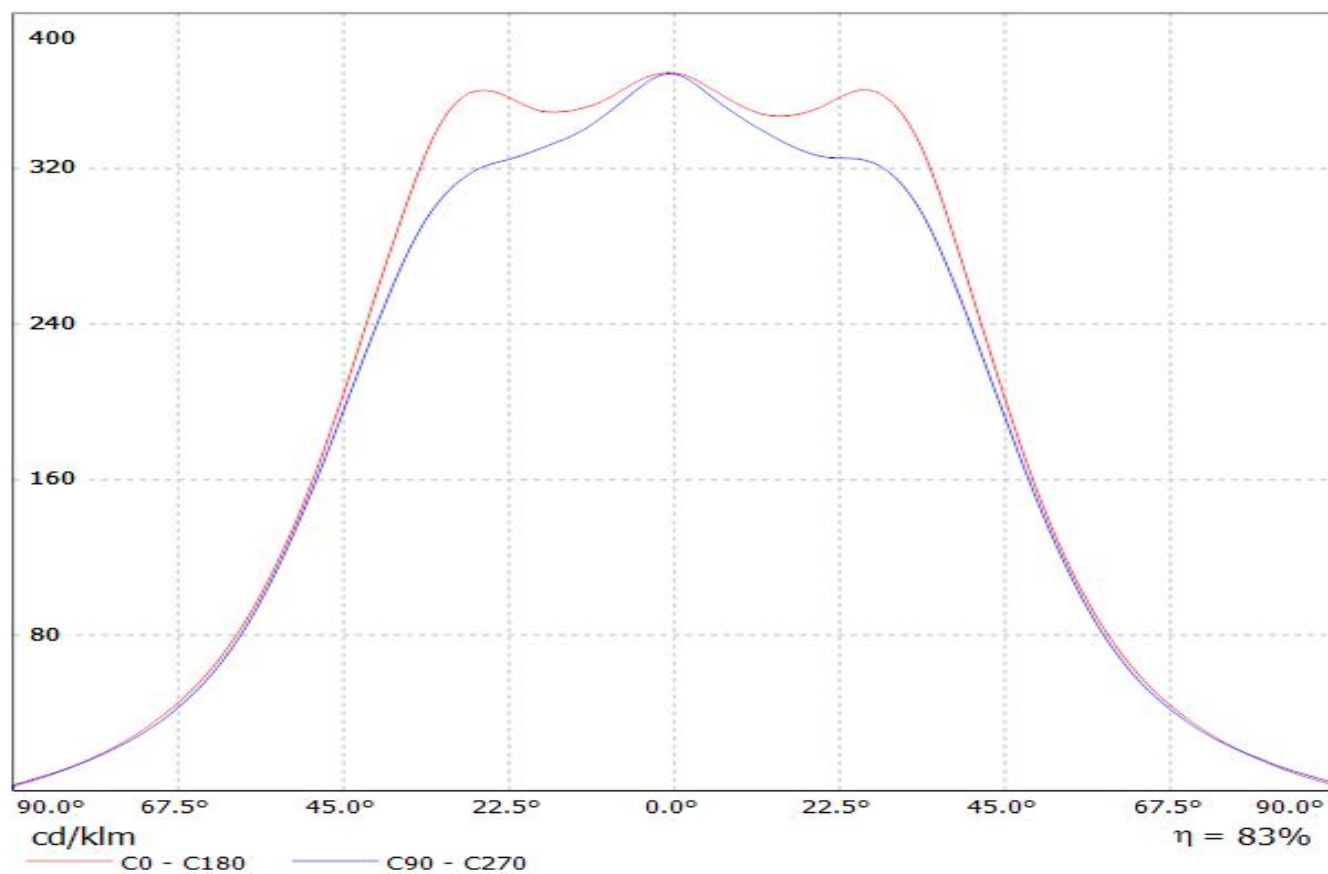
Luminaire: LEDiL Oy F13853_FLORENCE-Z90 (LG5630)

Lamps: 1 x FLORENCE_FORTIMO_(LG_5630)_1100lm@250mA P=8.41224W I=250.7mA

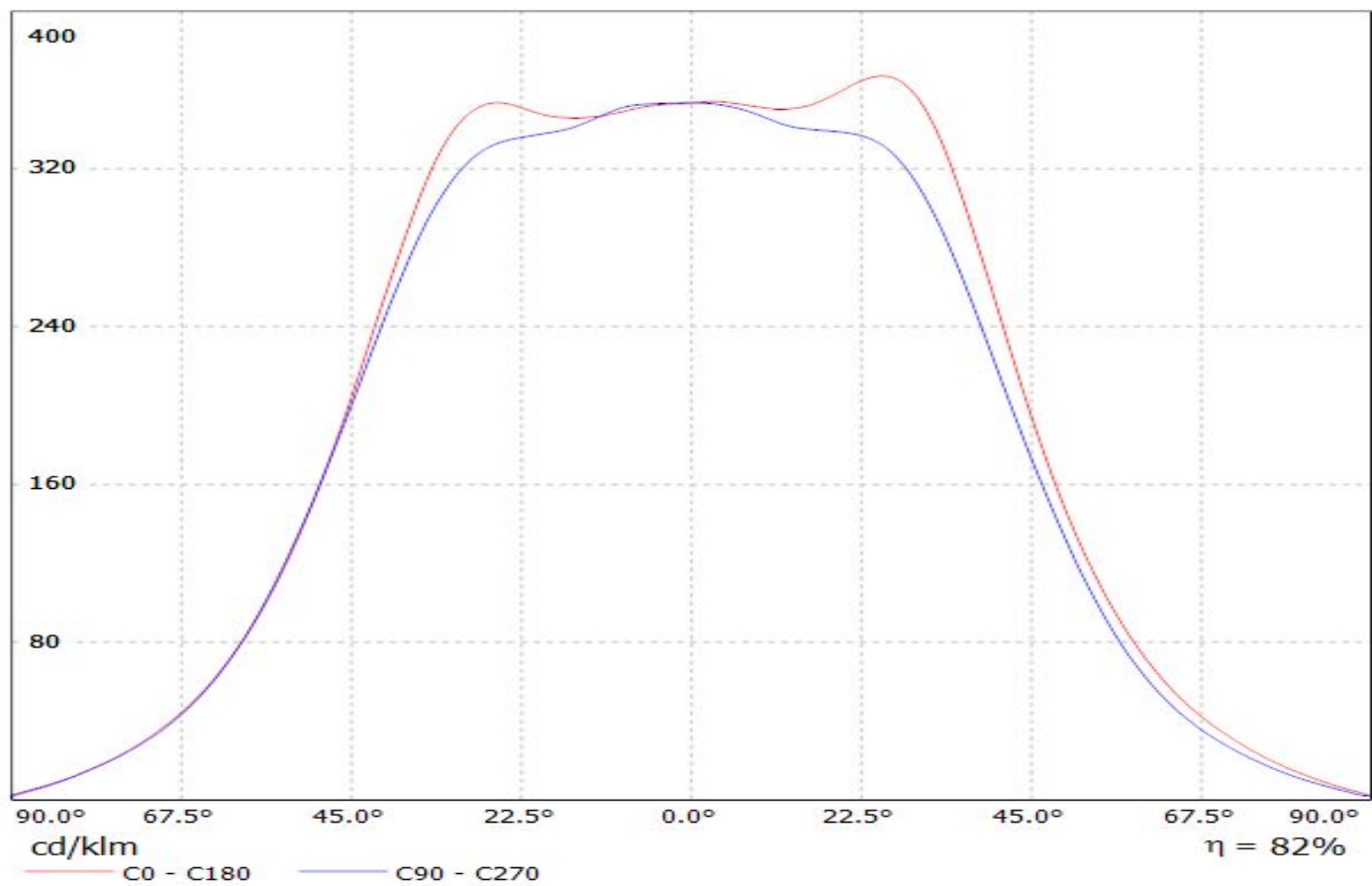


Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(DURIS_P5)

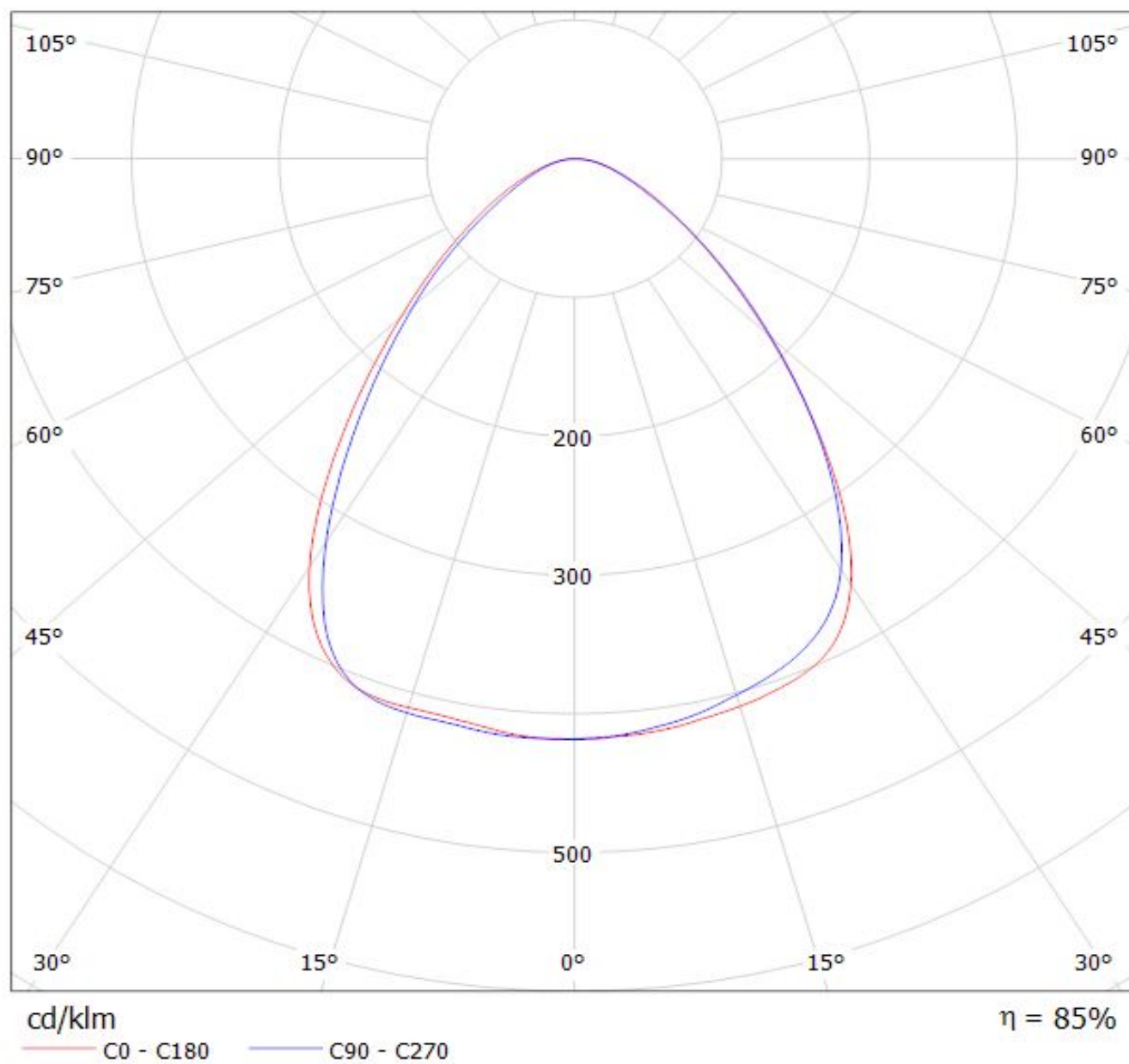
Lamps: 1 x OSRAM_DURIS_P5_747.995lm@250mA_P=7.78777W_I=249.8mA



Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(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



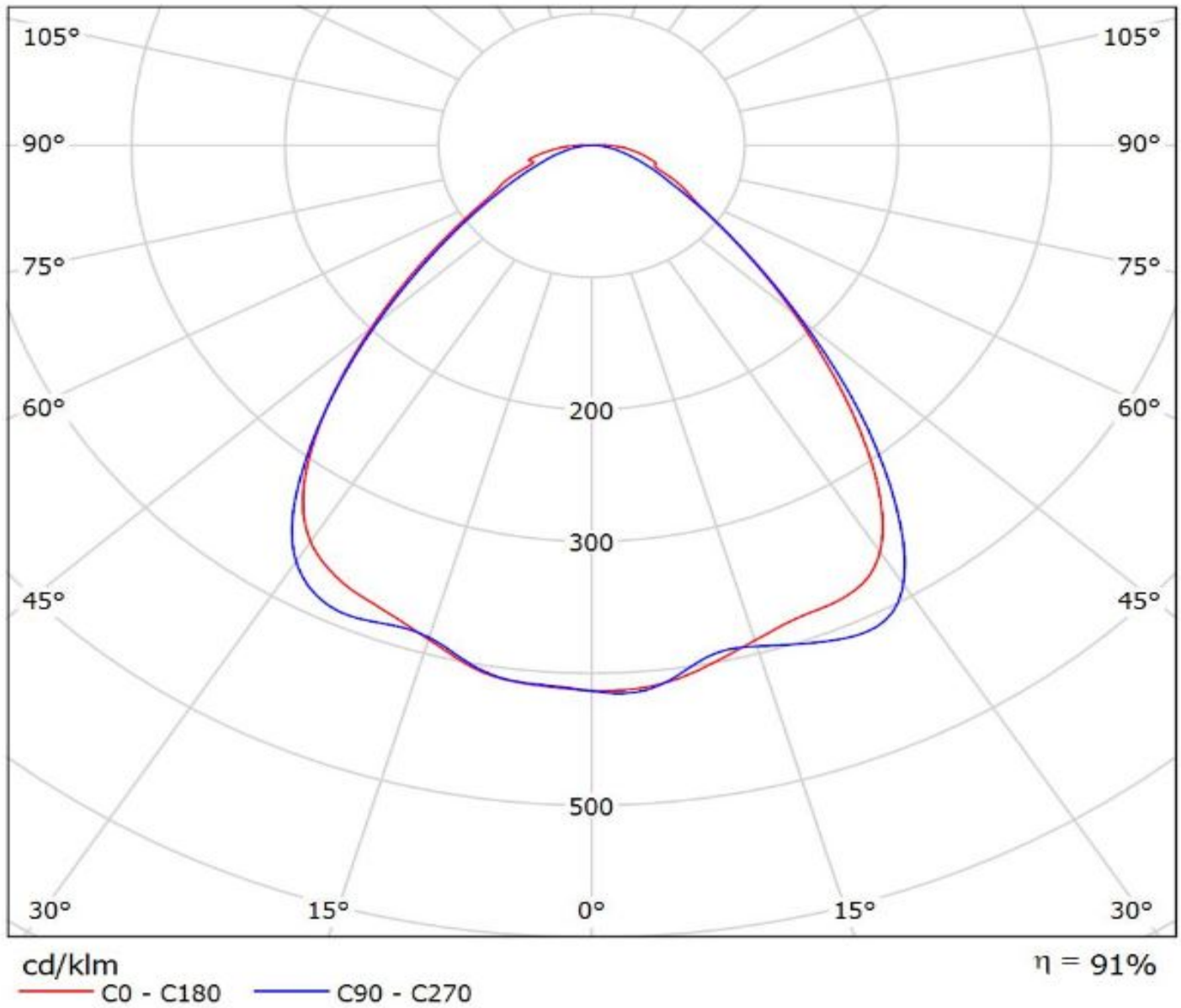
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(SAMSUNG_LM561B)
Lamps: 1 x SAMSUNG_LM561B_679.266lm@150mA_P=4.6185W_I=150mA



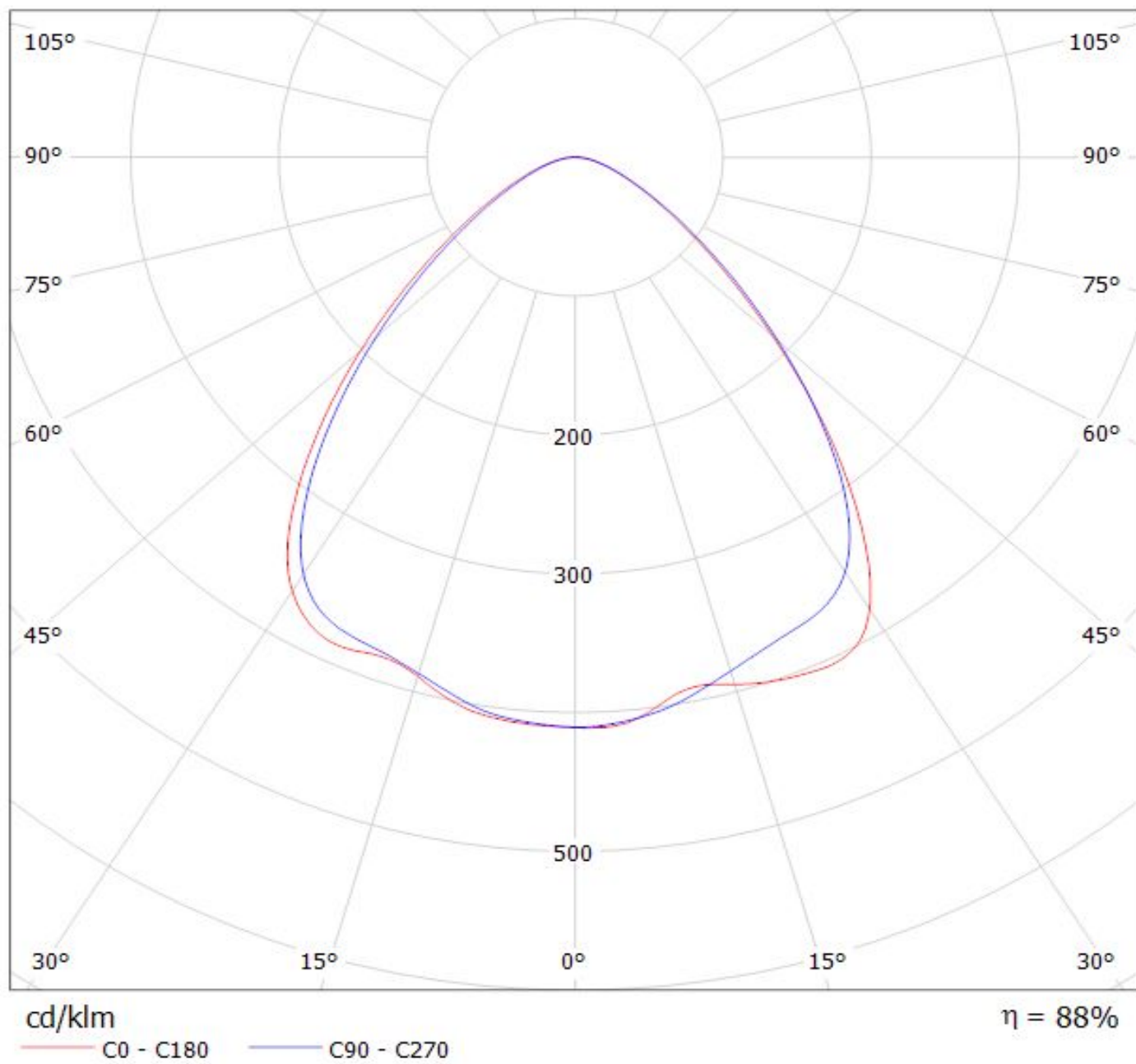
Ledil F13853_FLORENCE-Z90_(MP-2016) / LDC (Polar)

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_(DURIS_S5) Eff.87.5%
Lamps: 1 x DURIS_S5_500.39lm@120mA_P=3.76814W_I=120.1mA

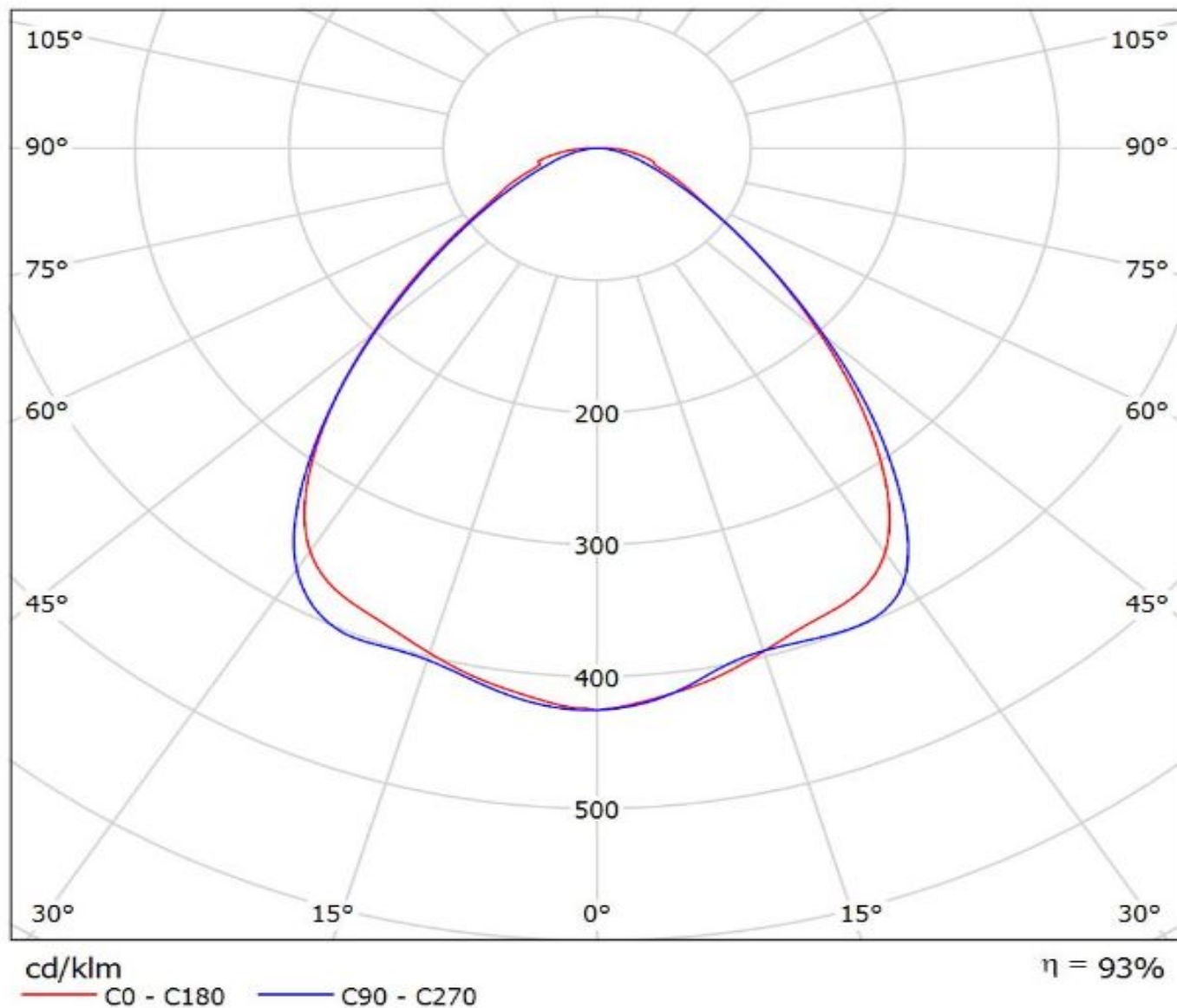


Ledil F13853_FLORENCE-Z90_(Luxeon_XR-3535L) / LDC (Polar)

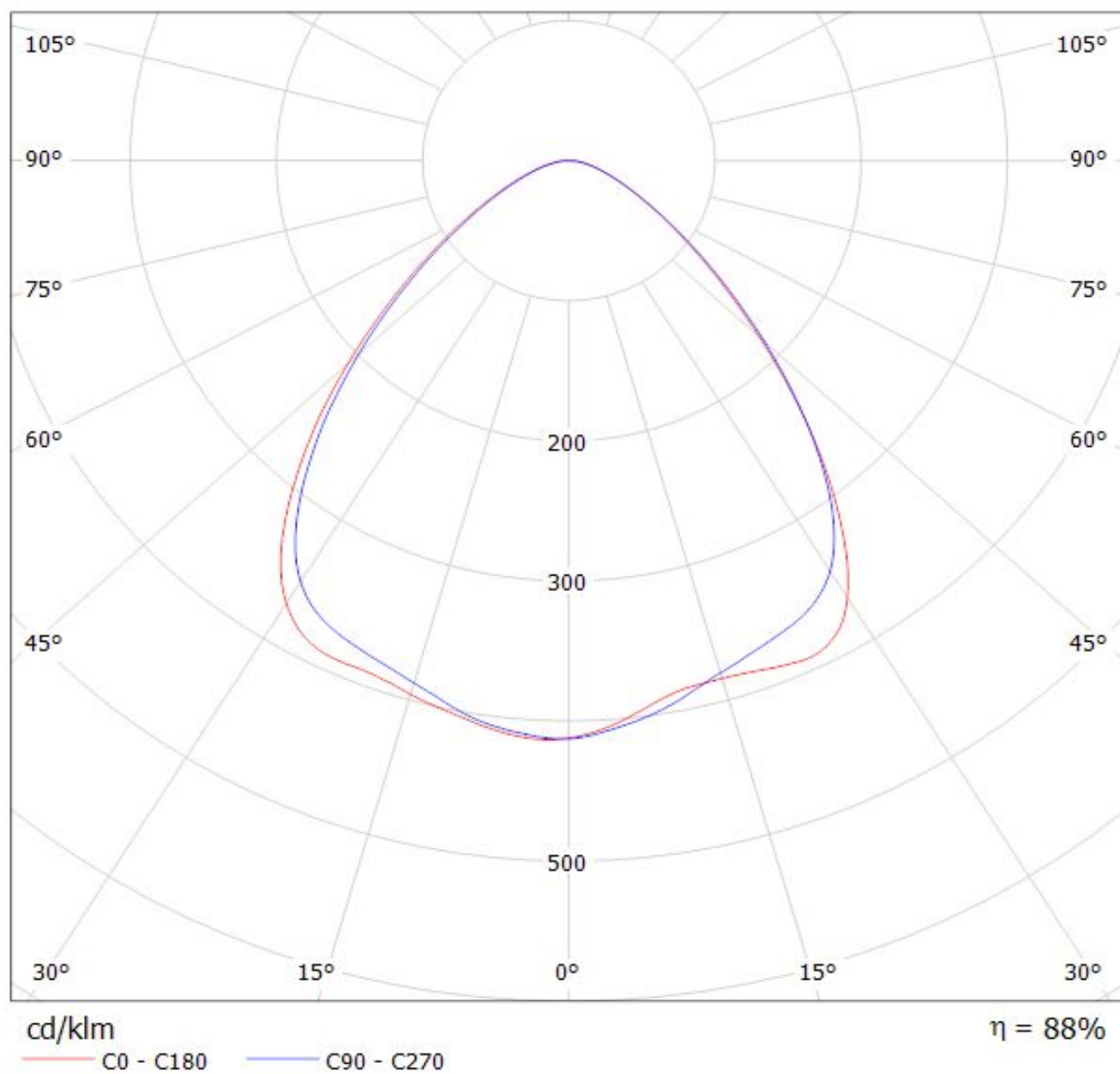
Luminaire: Ledil F13853_FLORENCE-Z90_(Luxeon_XR-3535L)

Lamps: 1 x Lumileds_Luxeon_XR-3535L_3x11_(L202-3080033C30001)

_1087.37lm@250mA_CCT=3000K_P=8.15W_I=0.25A

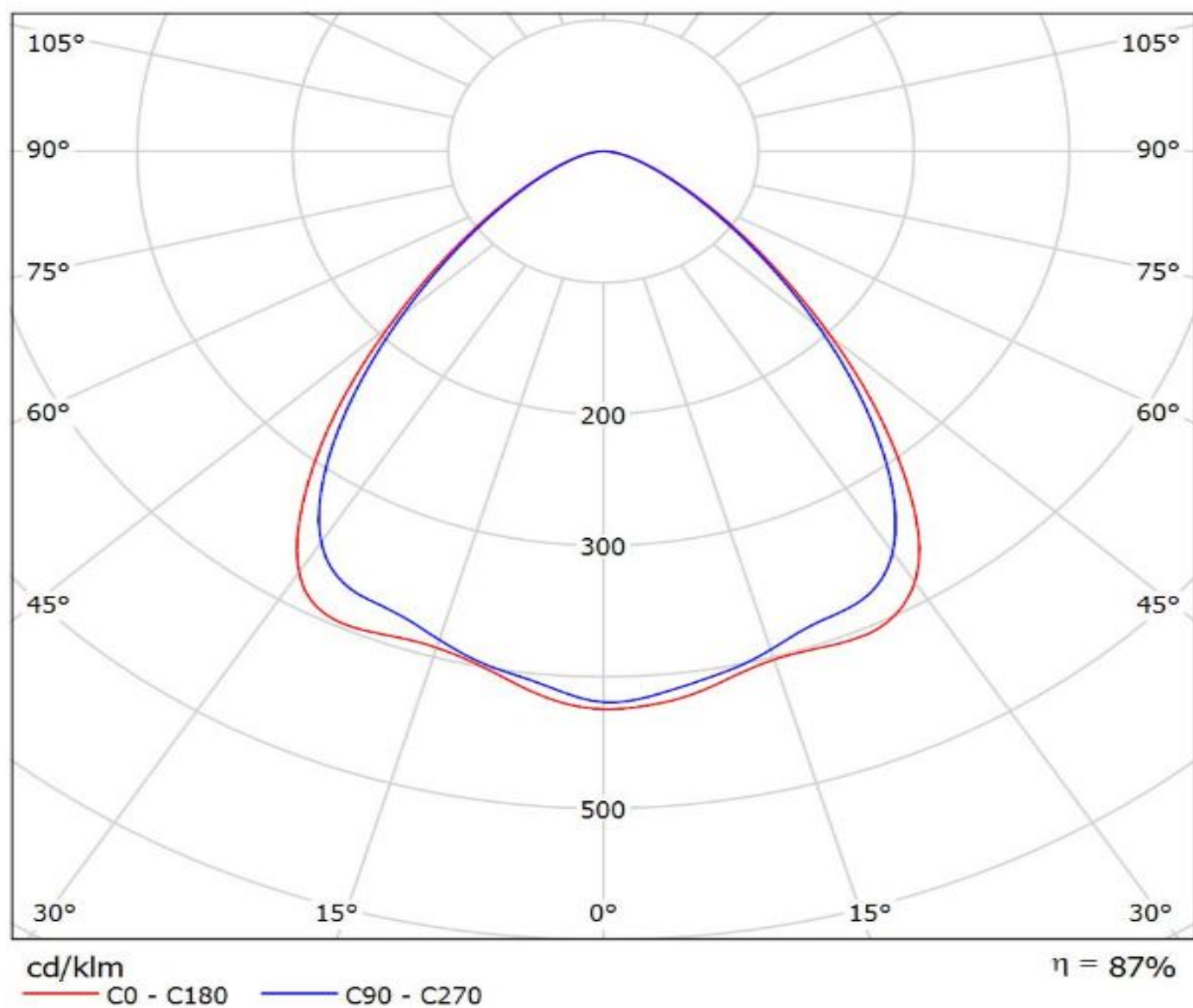


Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(LM231B) Eff.87.6%
Lamps: 1 x SAMSUNG_LM231B_571.834lm@150mA_P=4.62435W_I=150mA

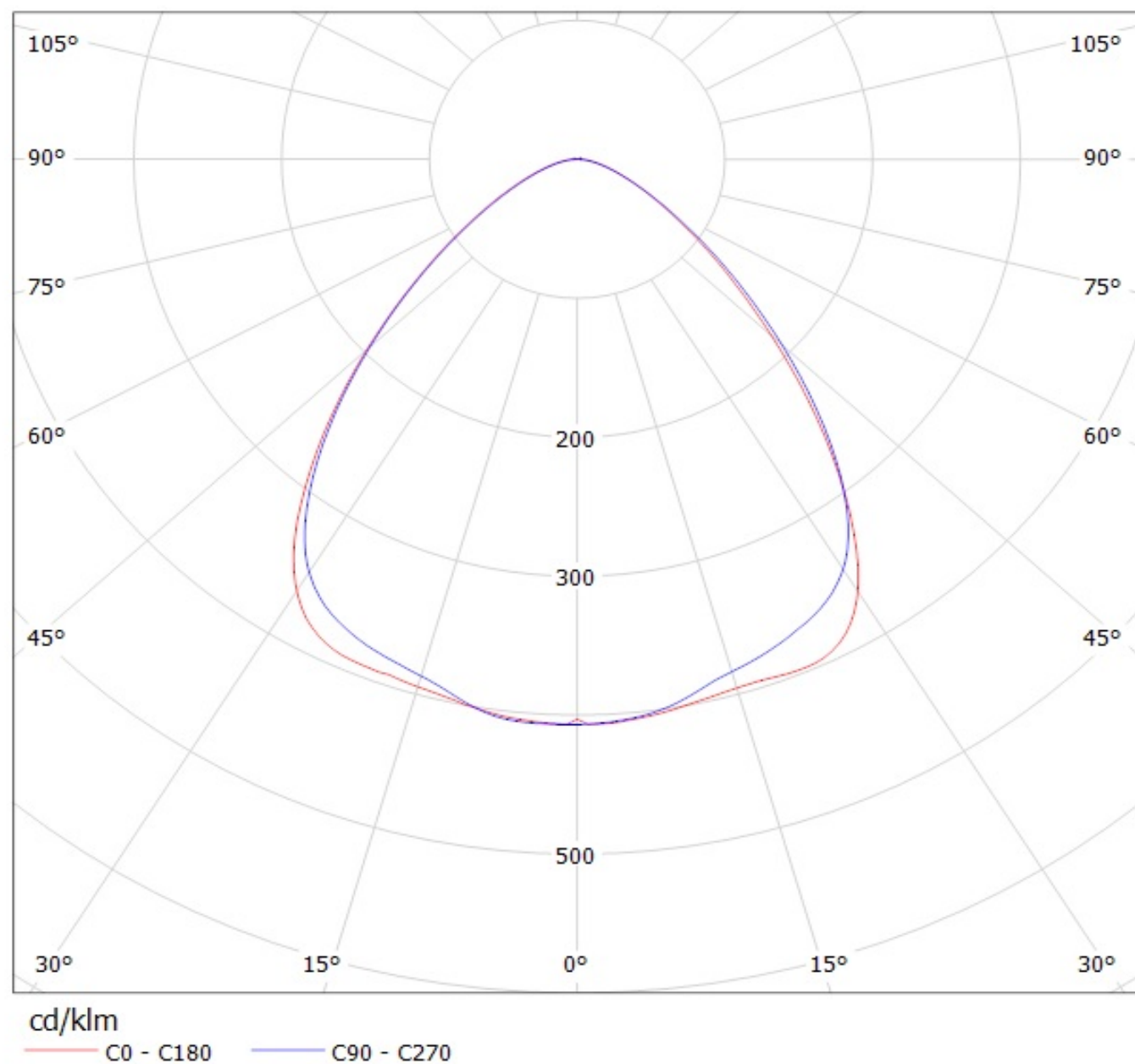


Ledil F13853_FLORENCE-Z90_(Luxeon_3030_2D) / LDC (Polar)

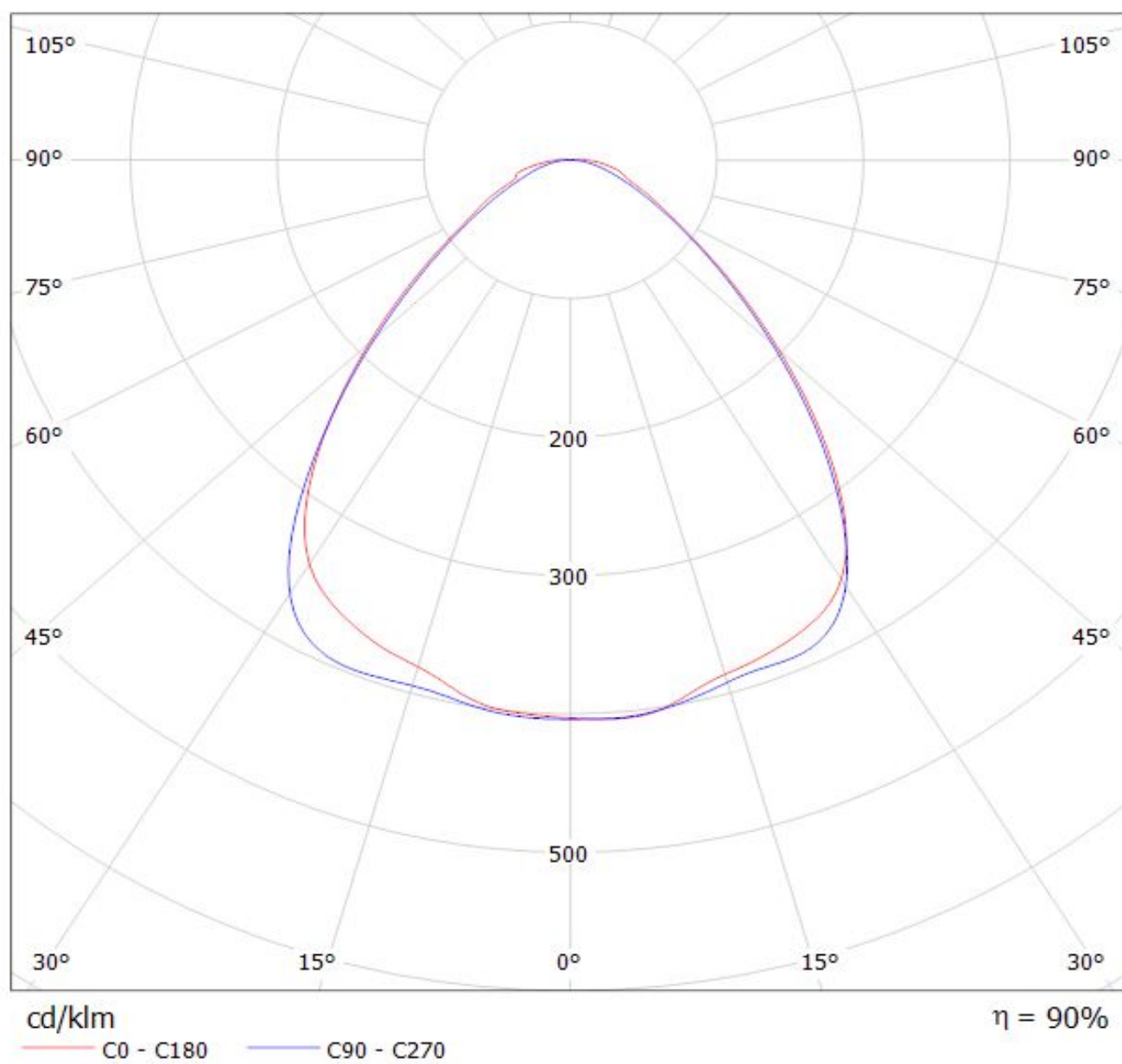
Luminaire: Ledil F13853_FLORENCE-Z90_(Luxeon_3030_2D)
Lamps: 1 x Luxeon_3030_2D_3x11_(L130-4080003000W21)
_2150lm@300mA_CCT=4000K_P=12.8W_I=0.3A



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

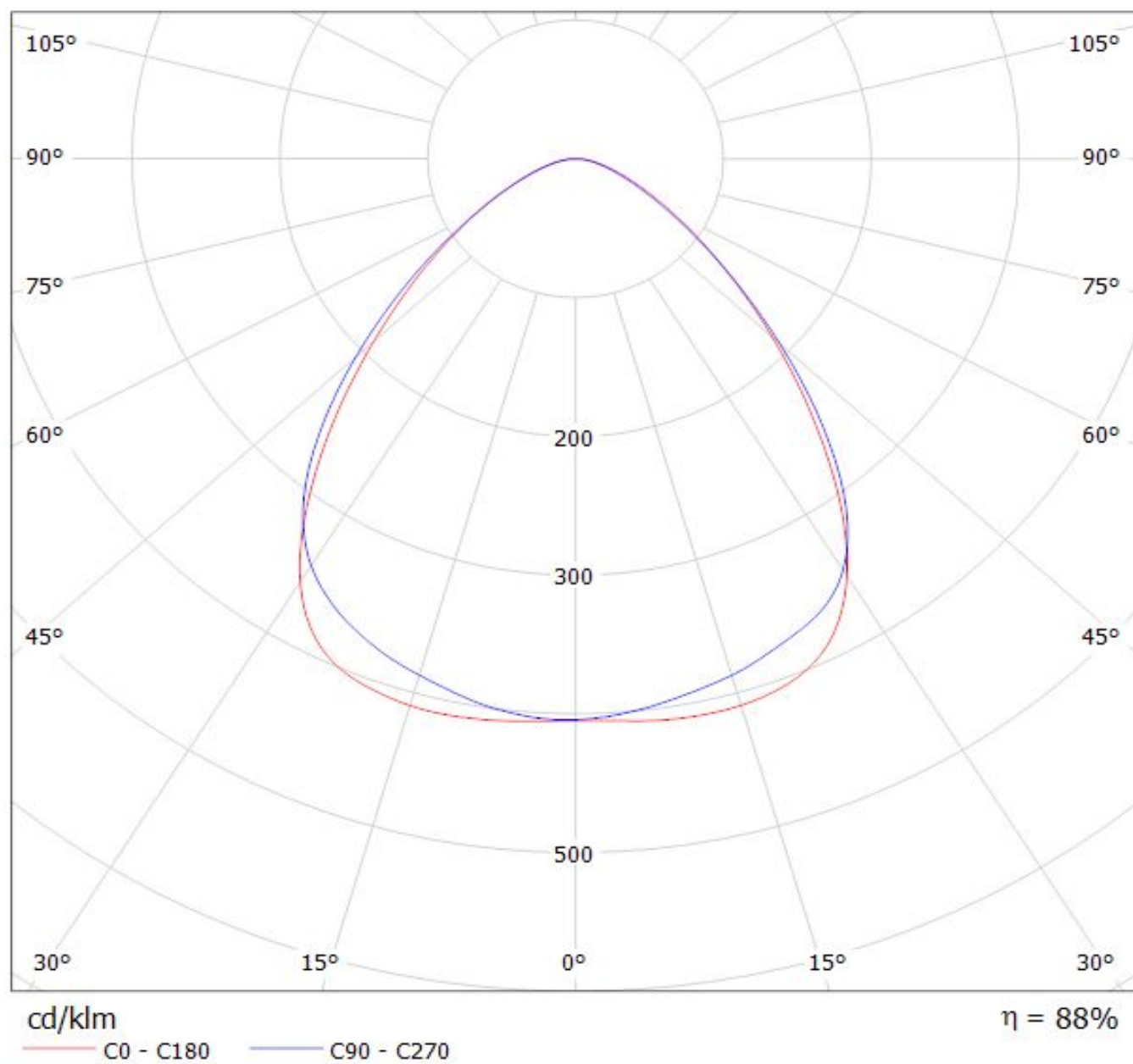


Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(AVAGO 5630 0.5W)
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V

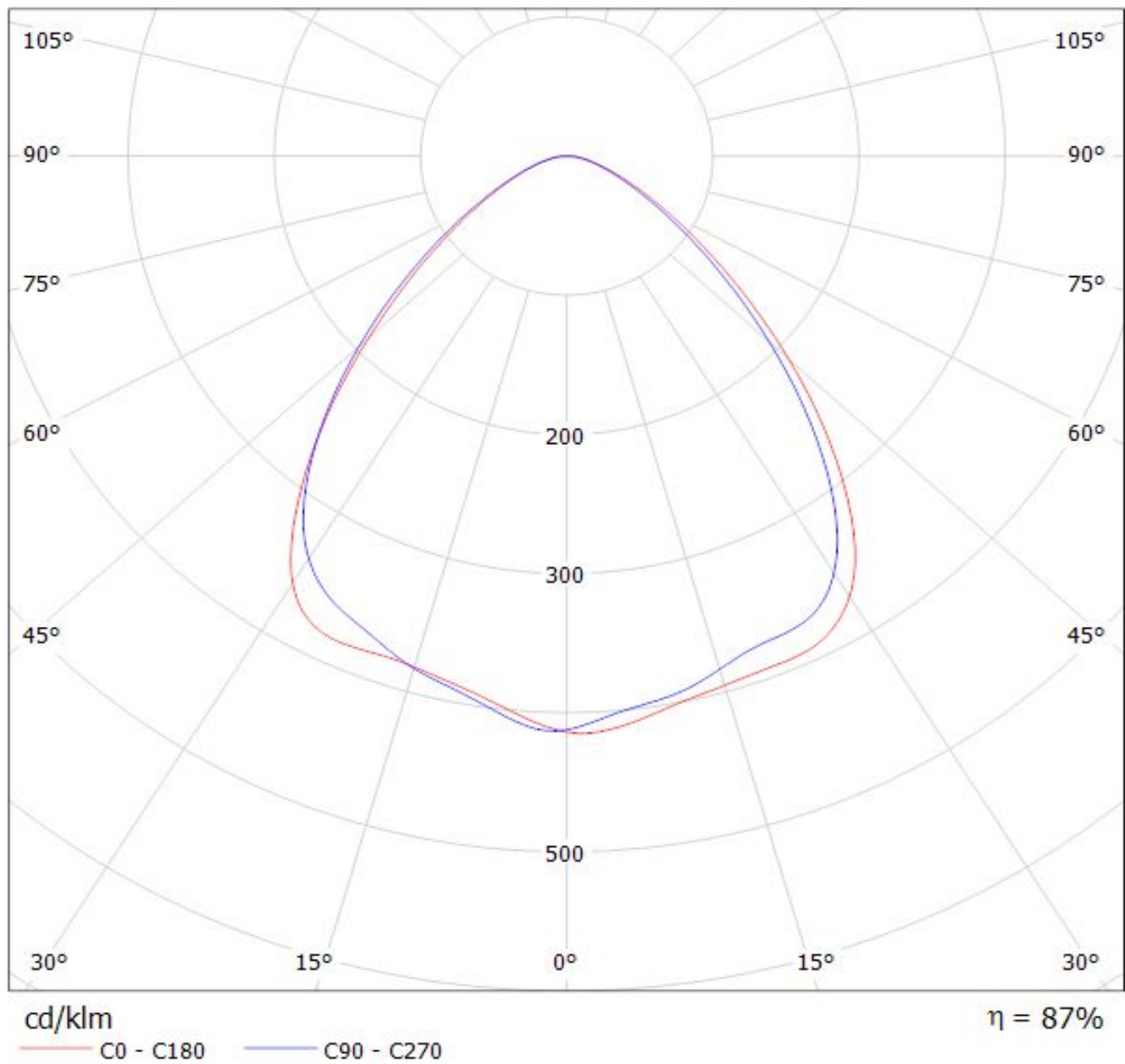


Luminaire: LEDiL Oy F13853_FLORENCE-Z90_LG_6030) Eff.87.9%

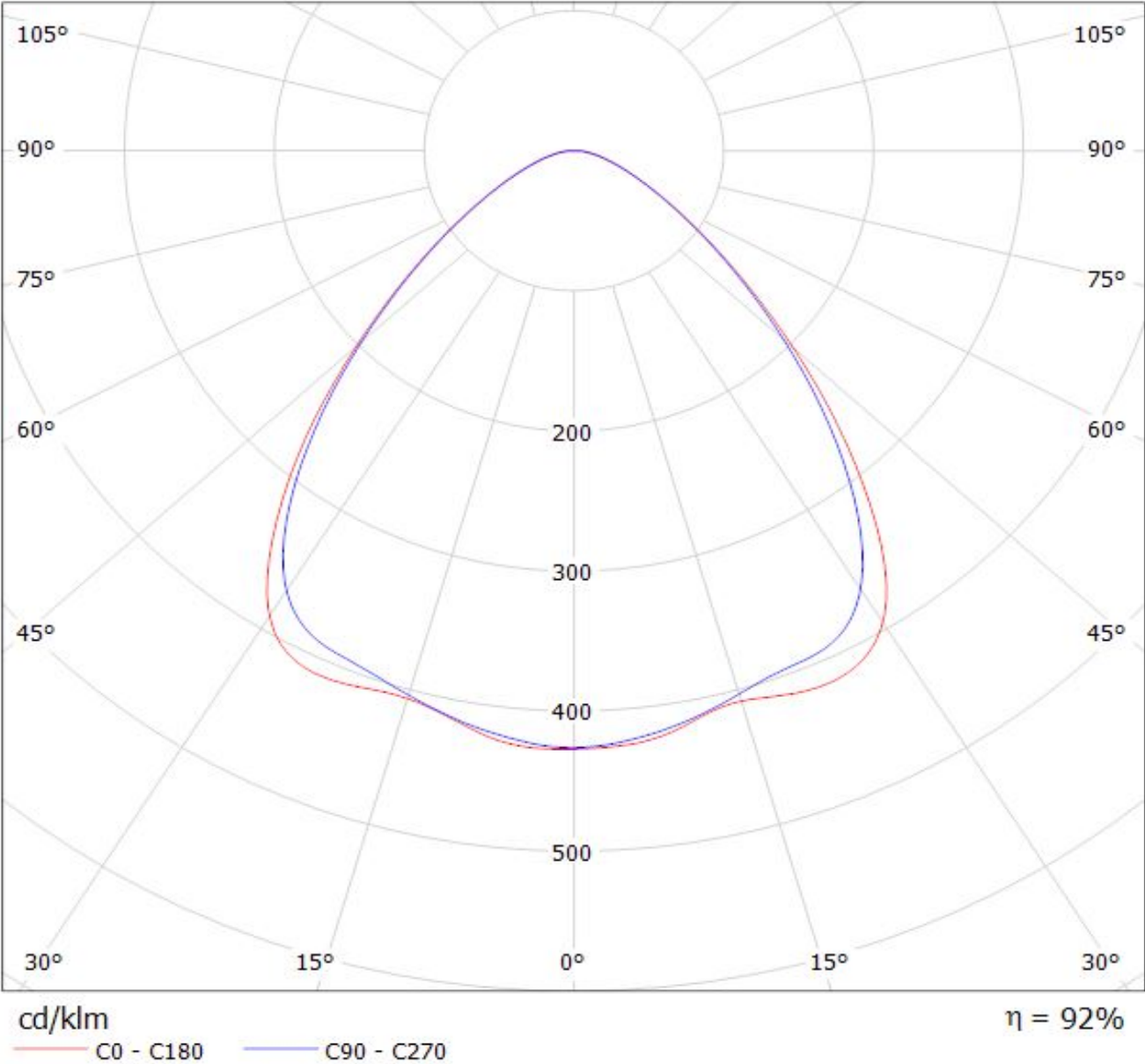
Lamps: 1 x LG_6030_(LEWMS68T80HZ)_1031.47lm@240mA_CCT=5000K_P=7.54368W_I=240mA



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

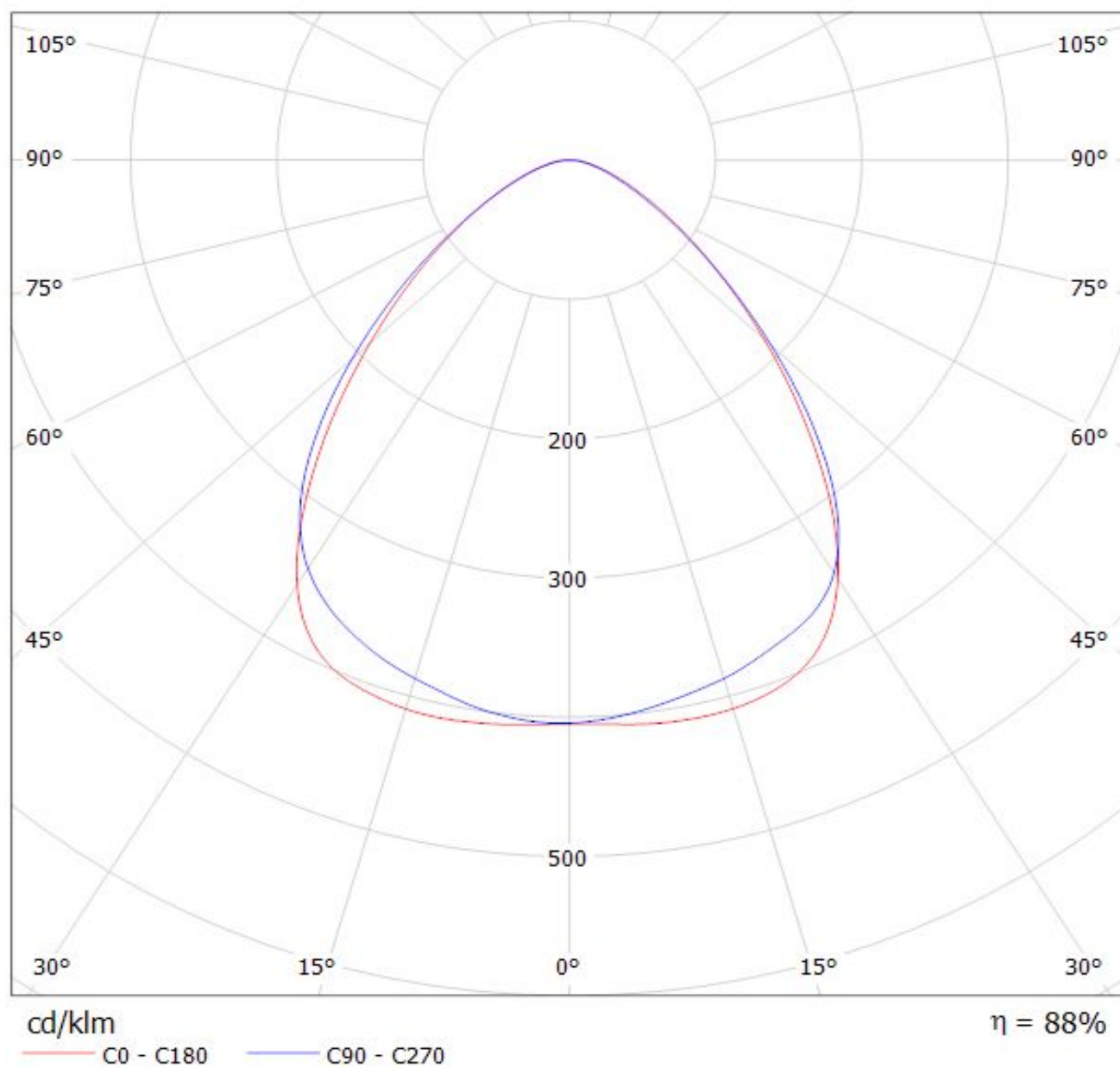


Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(NICHIA757)
Lamps: 1 x NICHIA757 (NT2W757DRT) 1387lm@150mA



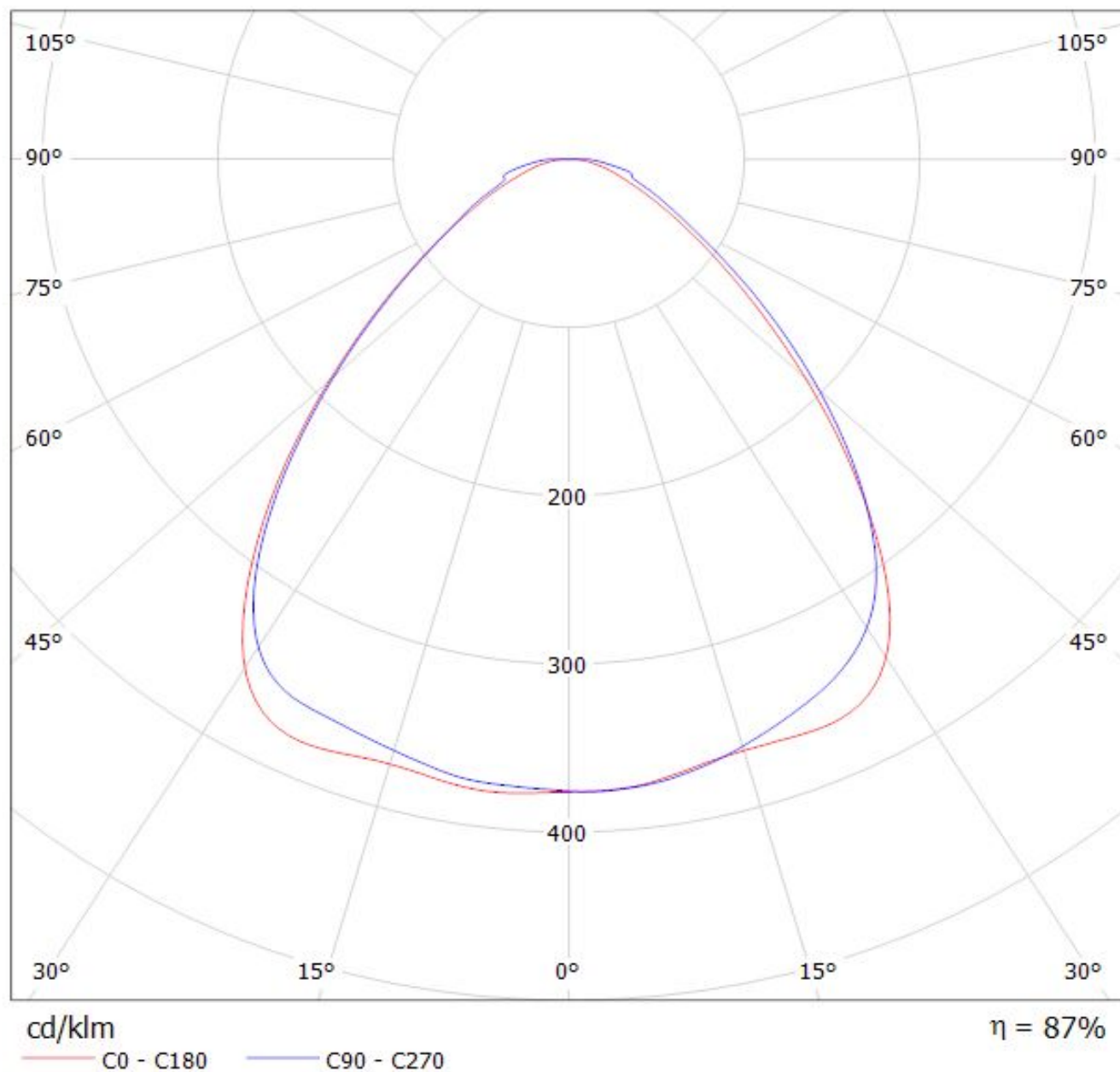
Luminaire: LEDiL Oy F13853_FLORENCE-Z90 Eff.87.9%

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



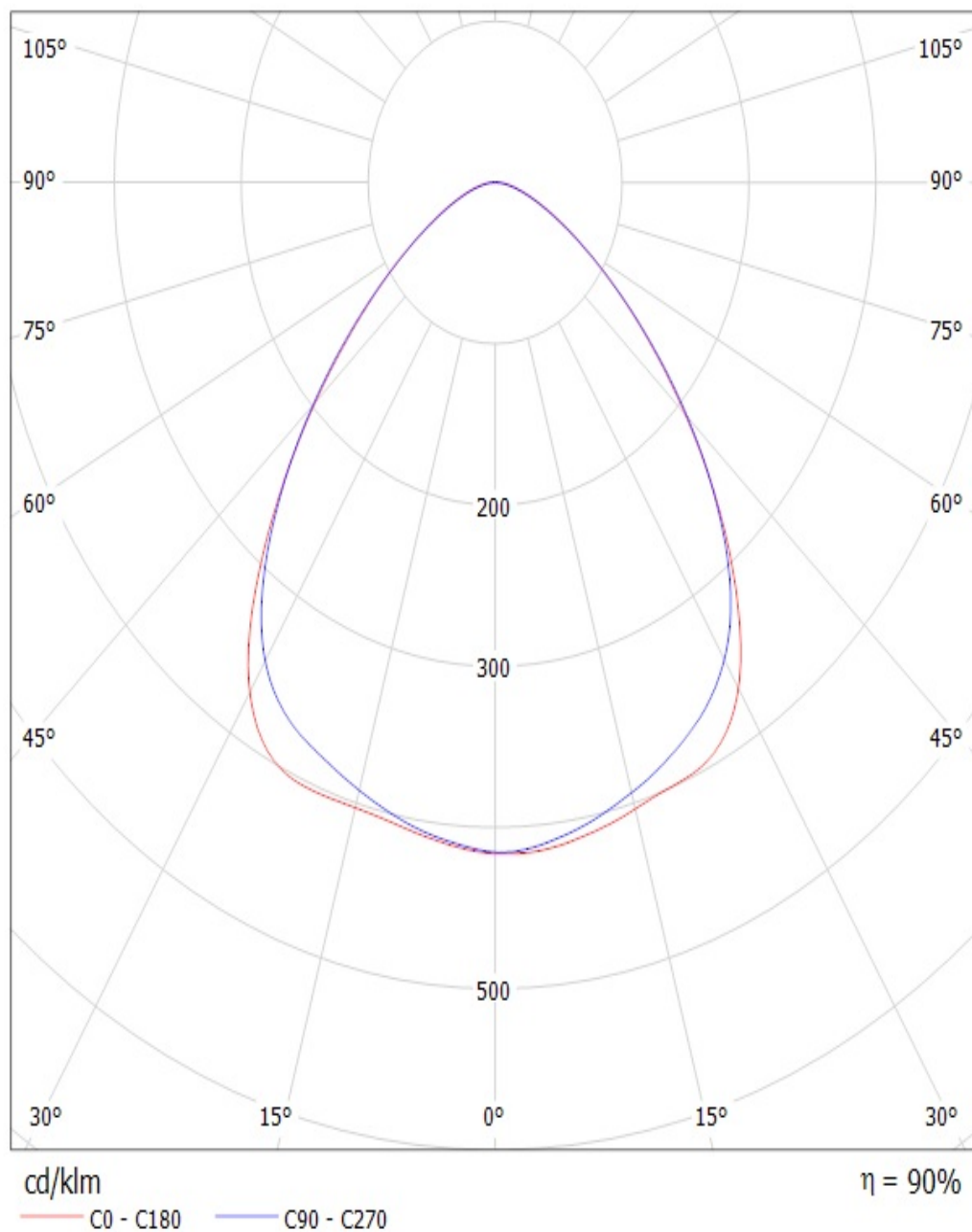
Luminaire: LEDiL Oy F13853_FLORENCE-Z90

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



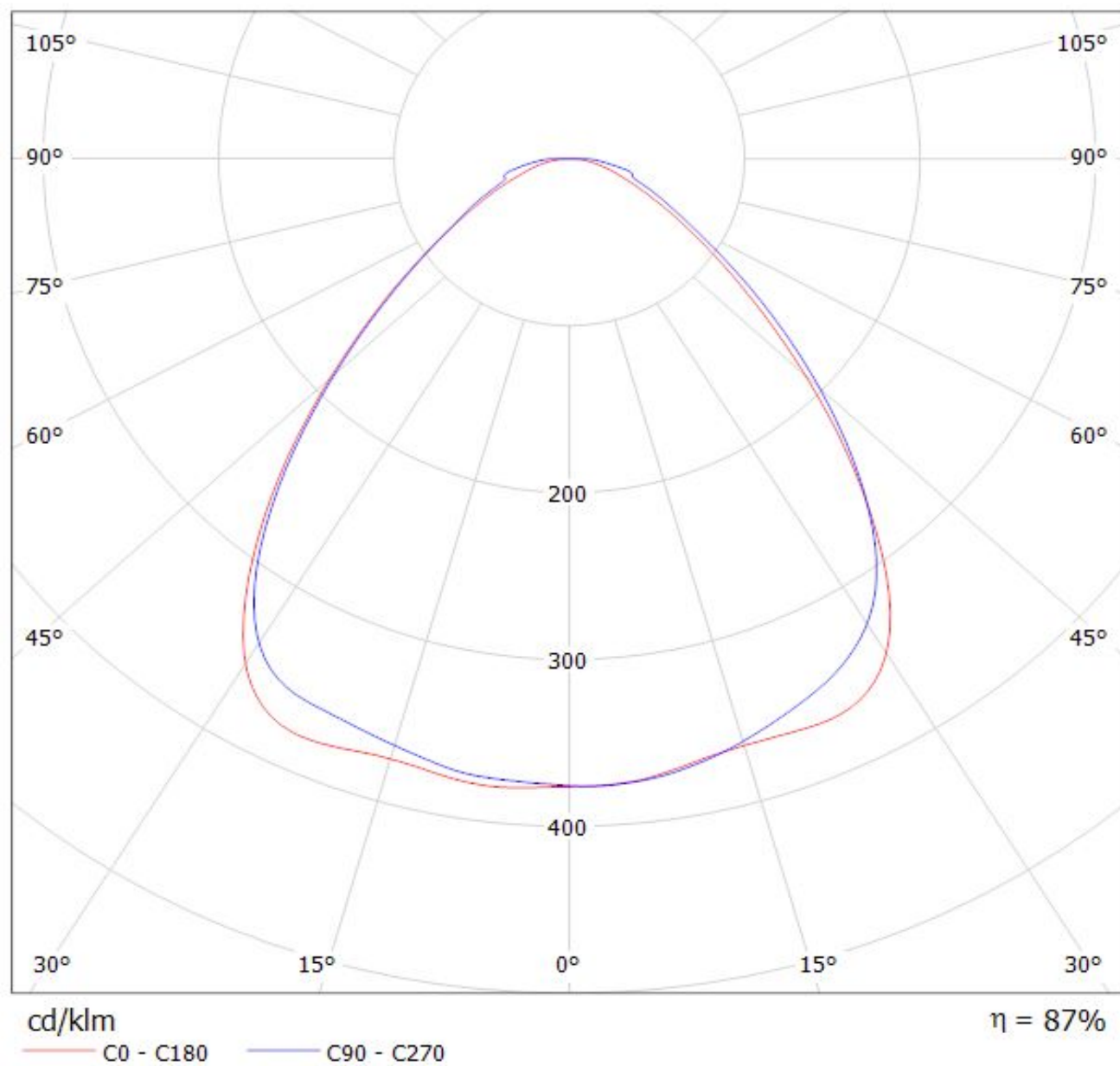
Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(LLE-55-280-1650)

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



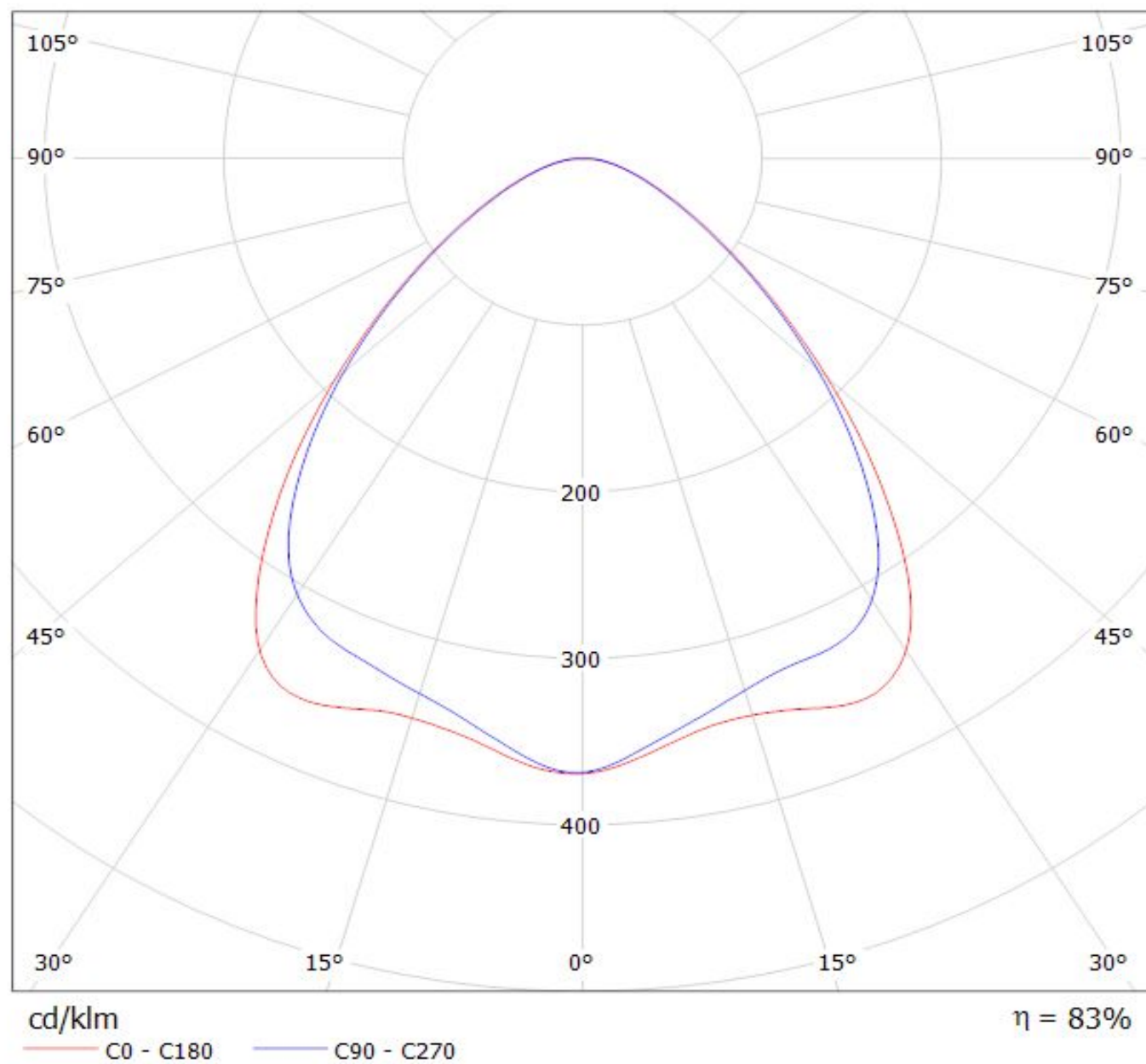
Luminaire: LEDiL Oy F13853_FLORENCE-Z90 (LG5630)

Lamps: 1 x FLORENCE_FORTIMO_(LG_5630)_1100lm@250mA P=8.41224W I=250.7mA



Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(DURIS_P5)

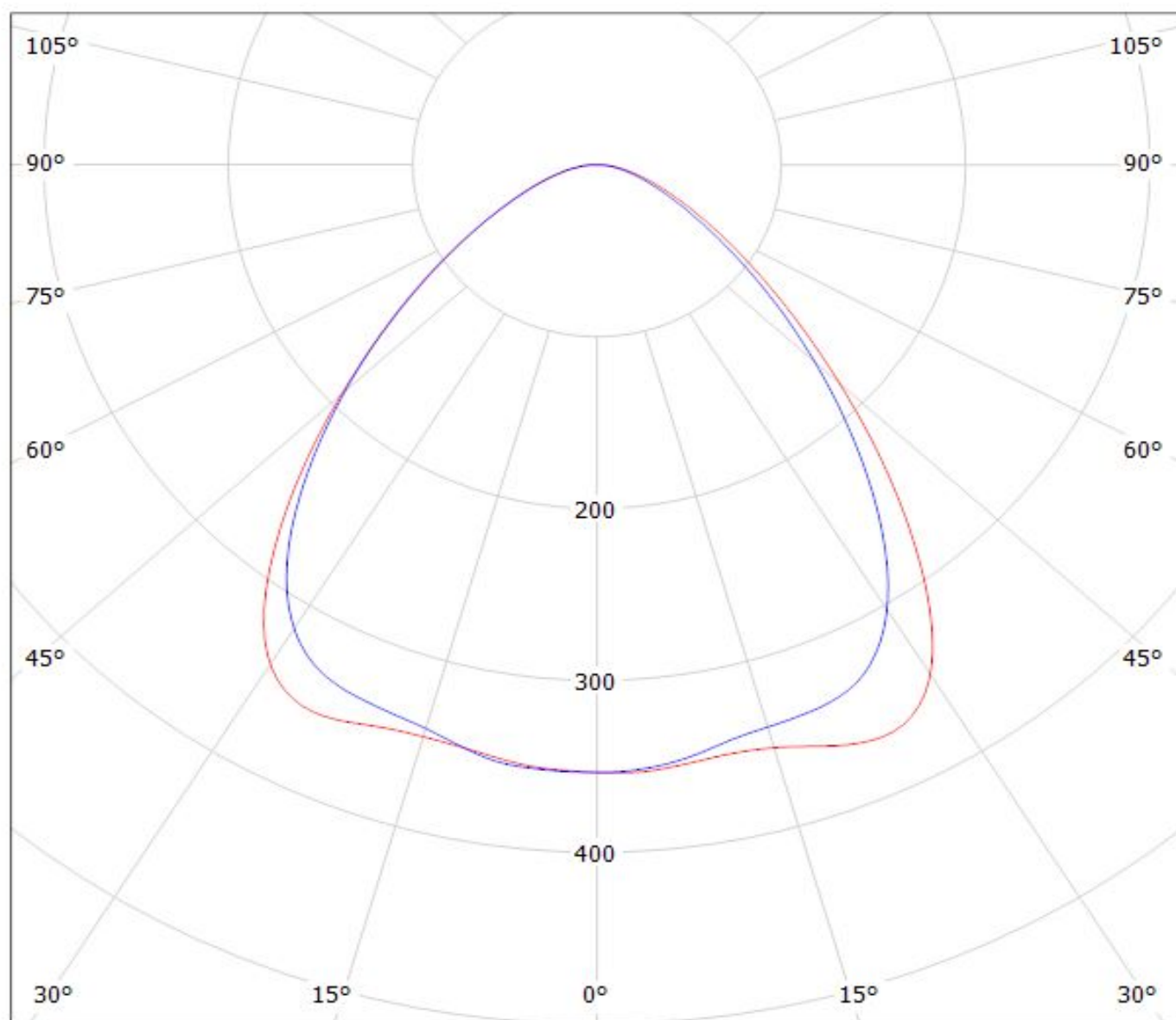
Lamps: 1 x OSRAM_DURIS_P5_747.995lm@250mA_P=7.78777W_I=249.8mA



Luminaire: LEDiL Oy F13853_FLORENCE-Z90_(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

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.