

## DETAILS

<b>Product Number</b>	F14170_FLORENCE-ZT25
<b>Family</b>	Florence
<b>Type</b>	Lens array
<b>Color</b>	clear
<b>Diameter</b>	286 + 61 mm
<b>Height</b>	11 mm
<b>Style</b>	rectang
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	screw
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	3/06/2015

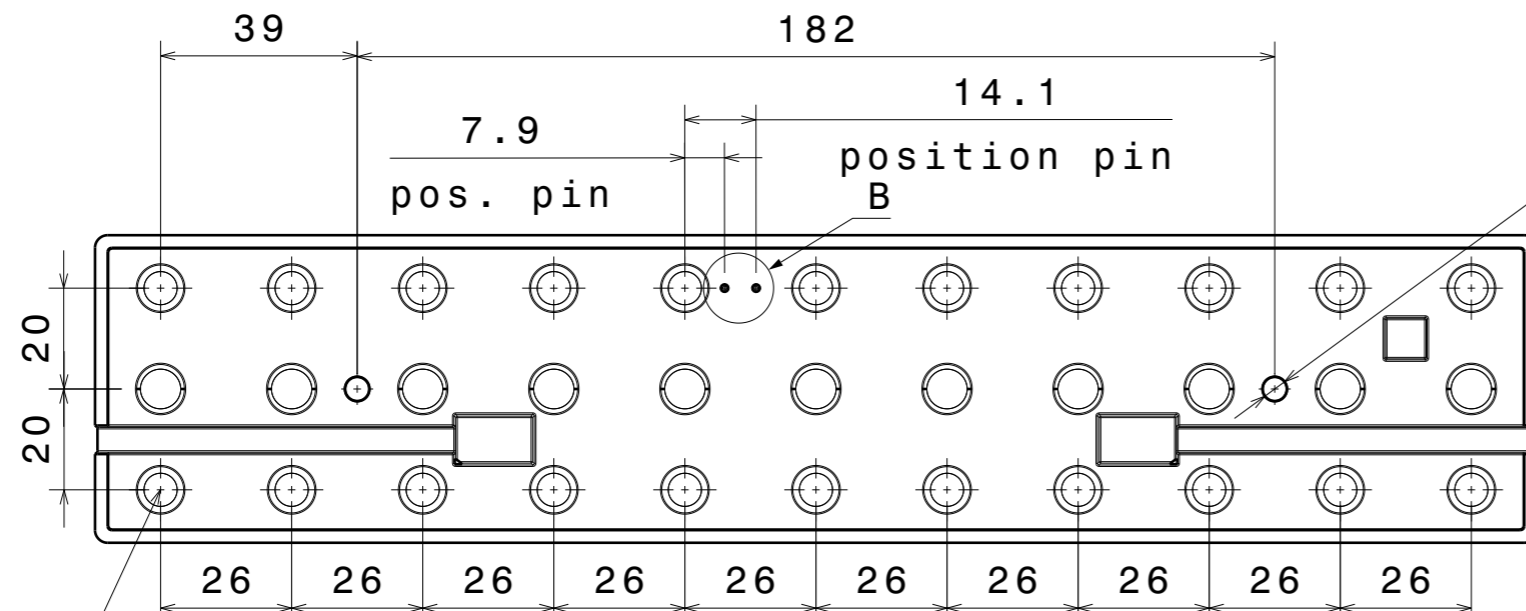


## OPTICAL PROPERTIES

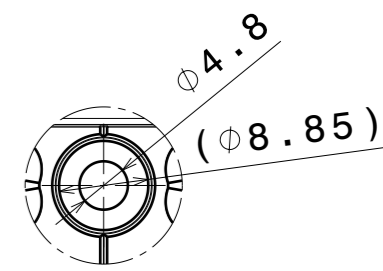
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
Luxeon XR-3535L (L202 - xxx033C3000A)	Asymmetric deg	Asymmetric	94 %	0.610	-
Fortimo LED Line 1ft 1100lm 8x0 3R xV2	sim: Asymmetric	Asymmetric	sim: 93 %	sim: 0.000	-
5630 (ASMU-LWG0-NxxE)	Asym deg	Asymmetric	94 %	0.570	-
STARK LLE-55-280-1650 CLASSIC	Asym deg	Asymmetric	94 %	0.570	-
XP-G	sim: Asymmetric	Asymmetric	sim: 94 %	sim: 0.000	-
XH-B/G	Asym deg	Asymmetric	93 %	0.500	-
LM231 A/B	Asym deg	Asymmetric	94 %	0.600	-
Duris S5 (Single chip)	Asym deg	Asymmetric	94 %	0.600	-
Duris P5	Asym deg	Asymmetric	93 %	0.500	-
LG 6030	Asym deg	Asymmetric	94 %	0.600	-
Fortimo LED Line 1ft 650lm 8x0 3R xV2	sim: Asymmetric	Asymmetric	sim: 93 %	sim: 0.000	-
Luxeon 3535	Asym deg	Asymmetric	94 %	0.600	-
Duris E5	Asym deg	Asymmetric	94 %	0.600	-
LM561B	Asym deg	Asymmetric	94 %	0.600	-
LG 5630	Asymmetric deg	Asymmetric	94 %	sim: 0.000	-
NF2x757D	Asym deg	Asymmetric	94 %	0.600	-
MP-2016	Asymmetric deg	Asymmetric	94 %	0.630	-
Luxeon 3030 2D	Asymmetric deg	Asymmetric	92 %	0.560	-

NOTE: INCOMPATIBLE WITH C14437\_FLORENCE-PF-3R

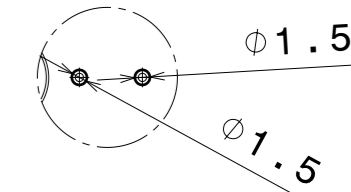
4  
3  
Bottom view  
Led center position



$\phi 4.8$   
M4 screw recommended



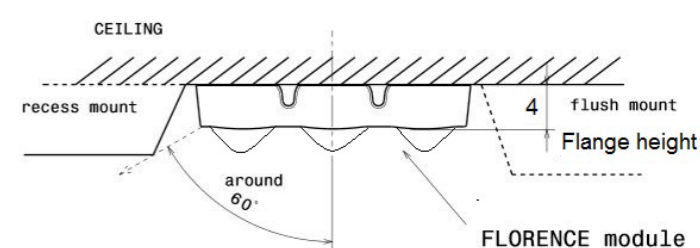
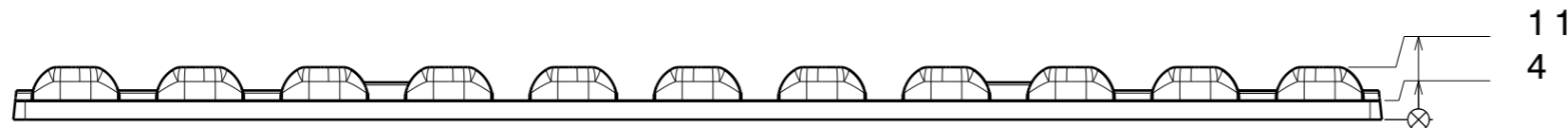
Detail A



Detail B

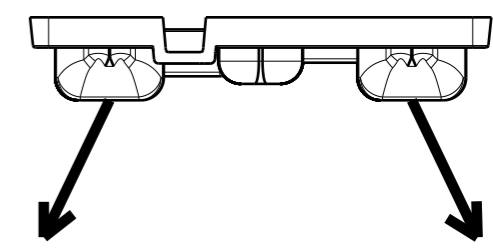
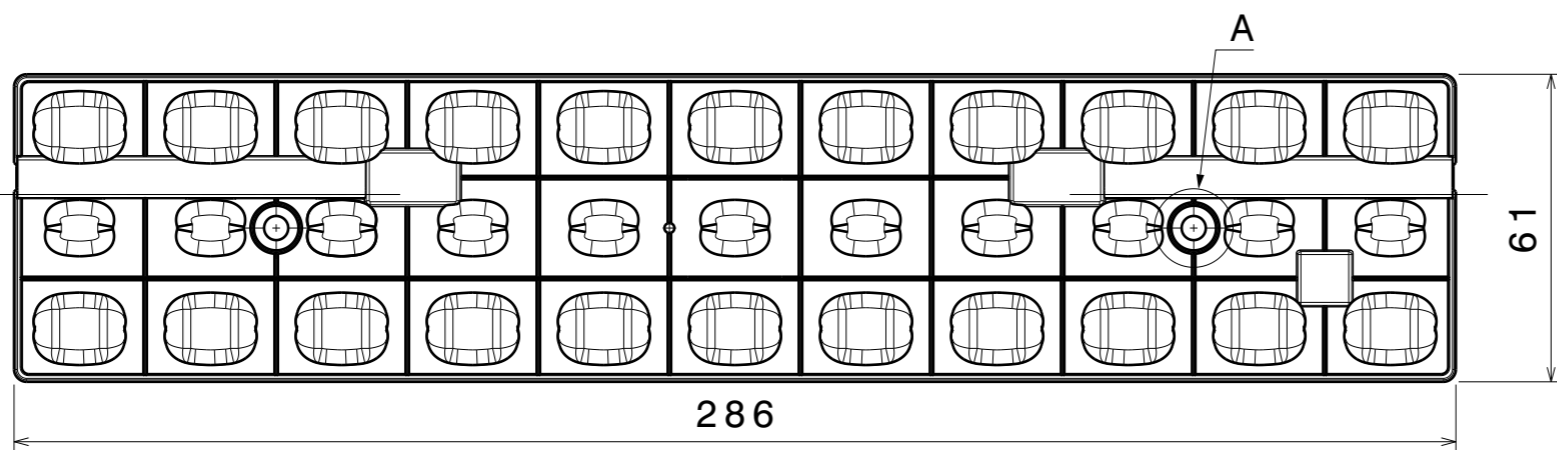
Wire outlet both sides

Front view

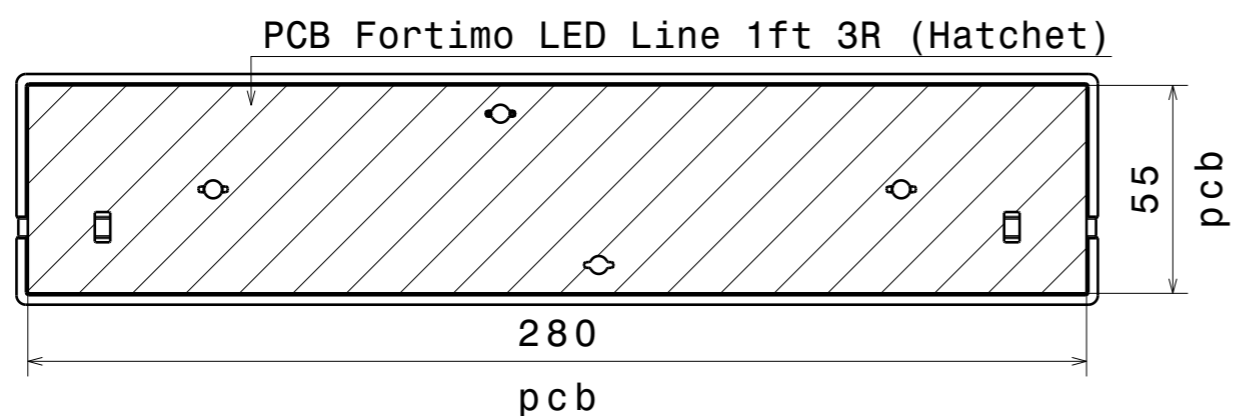


Typical setup

Top view



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**

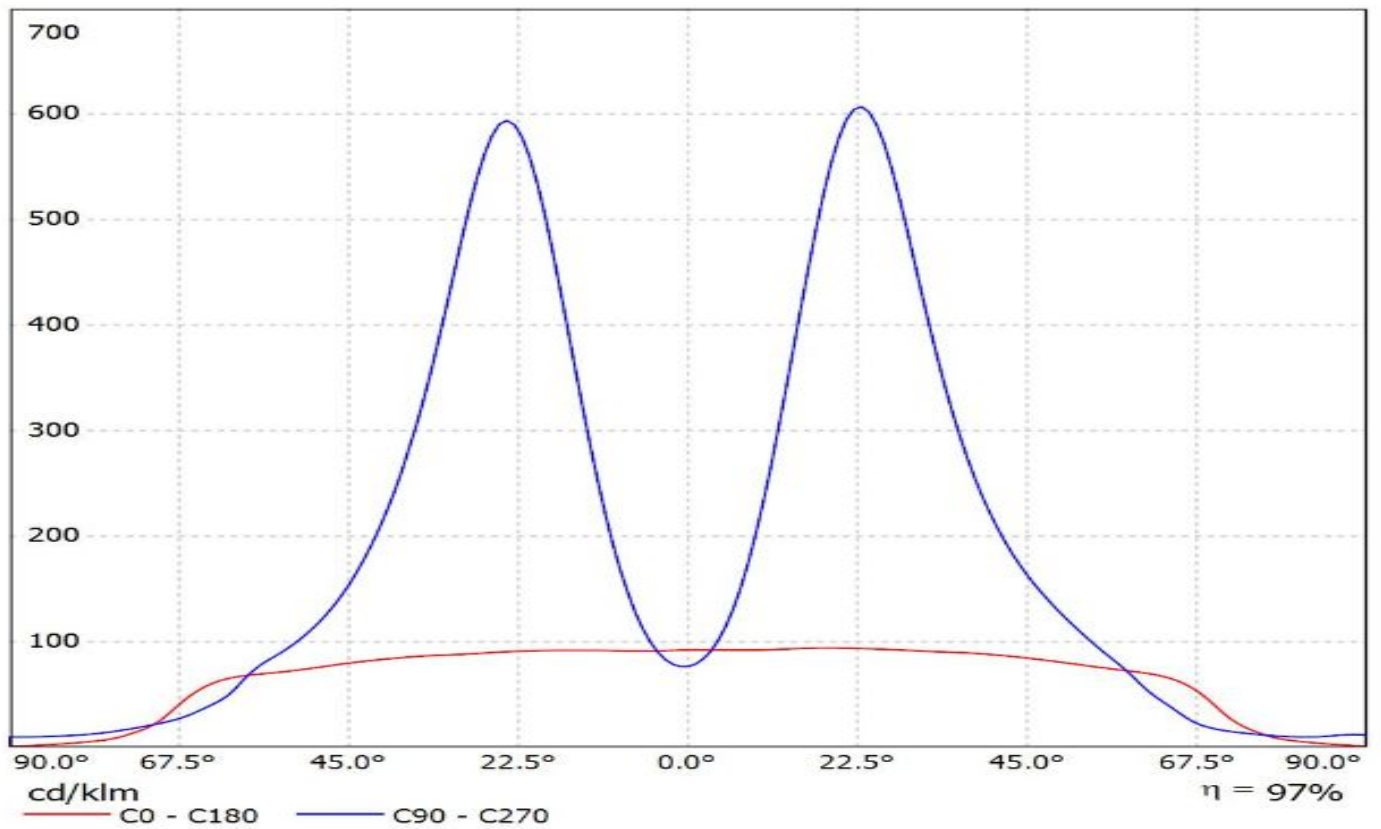
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.

SIZE PART NUMBER  
**A3 F14170**

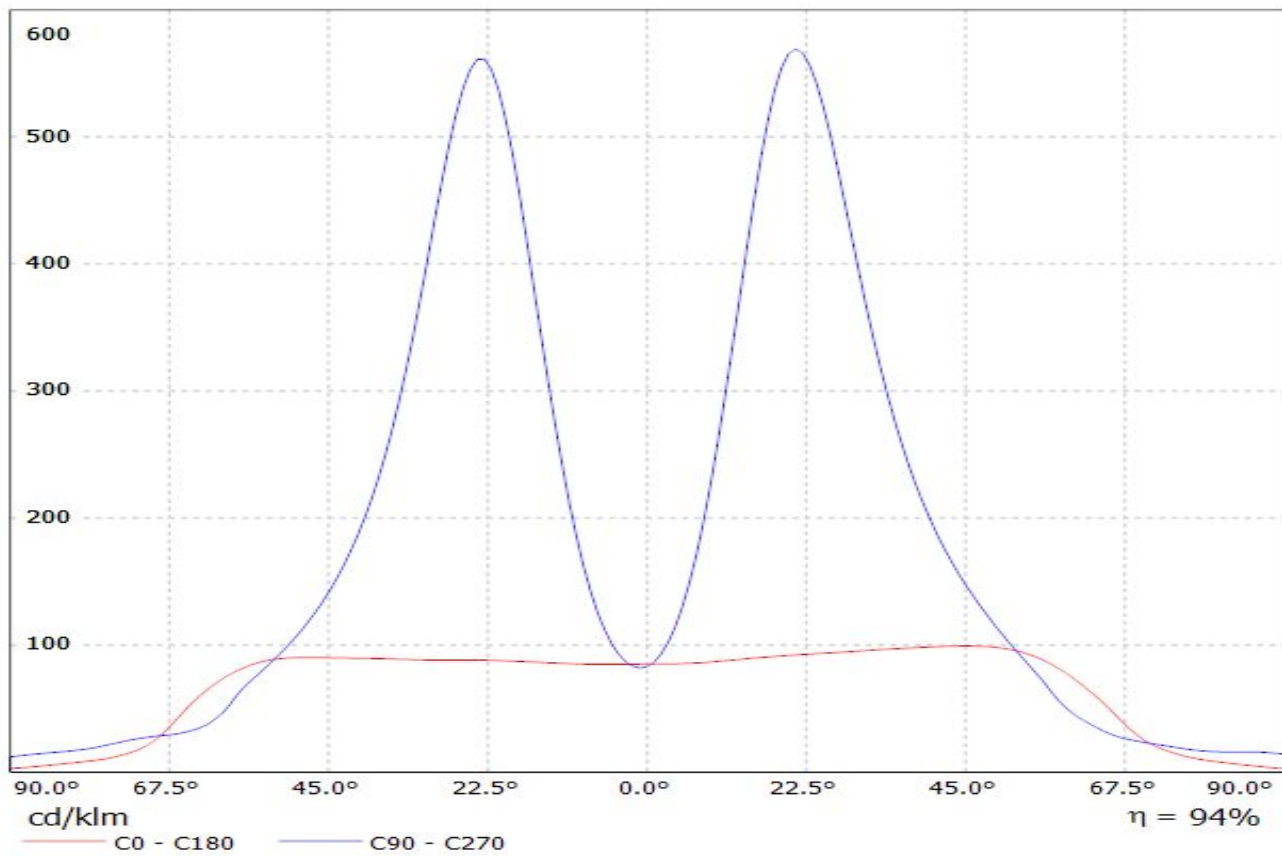
SCALE 1:1 WEIGHT - g SHEET 1/1

# 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

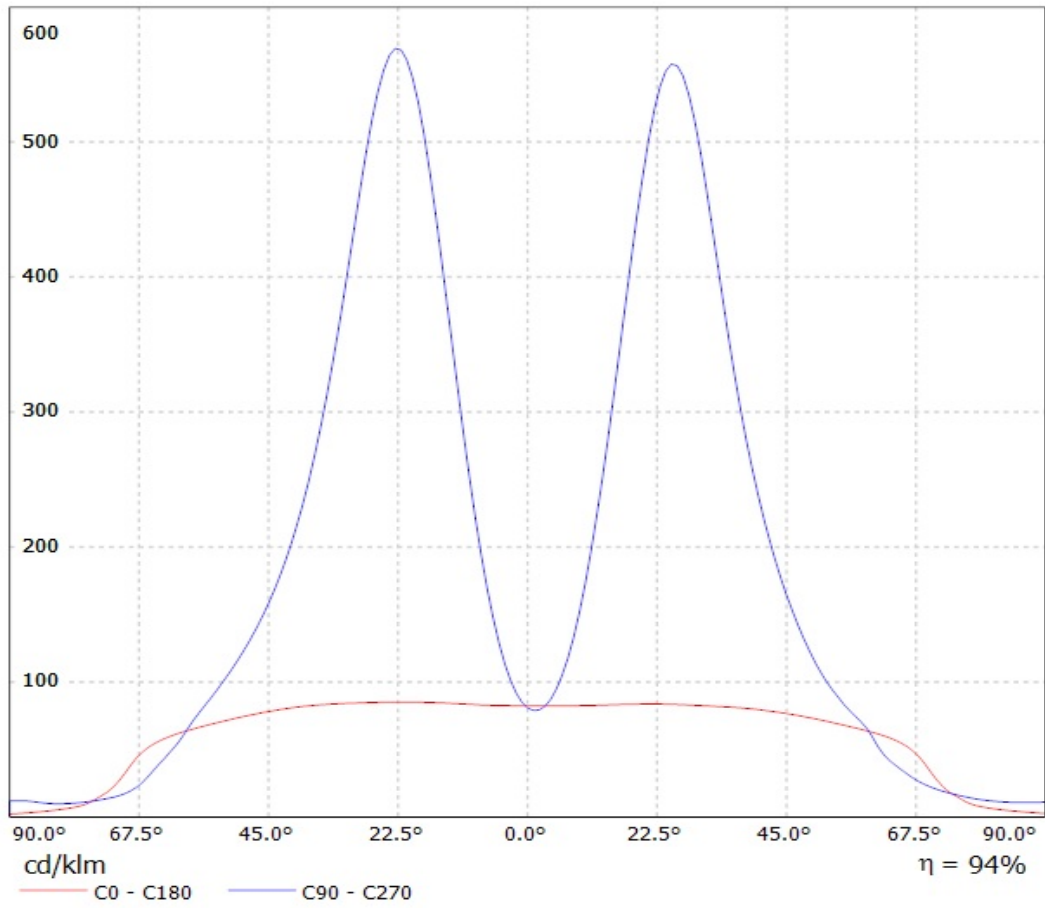


Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(AVAGO 5630 0.5W)  
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V

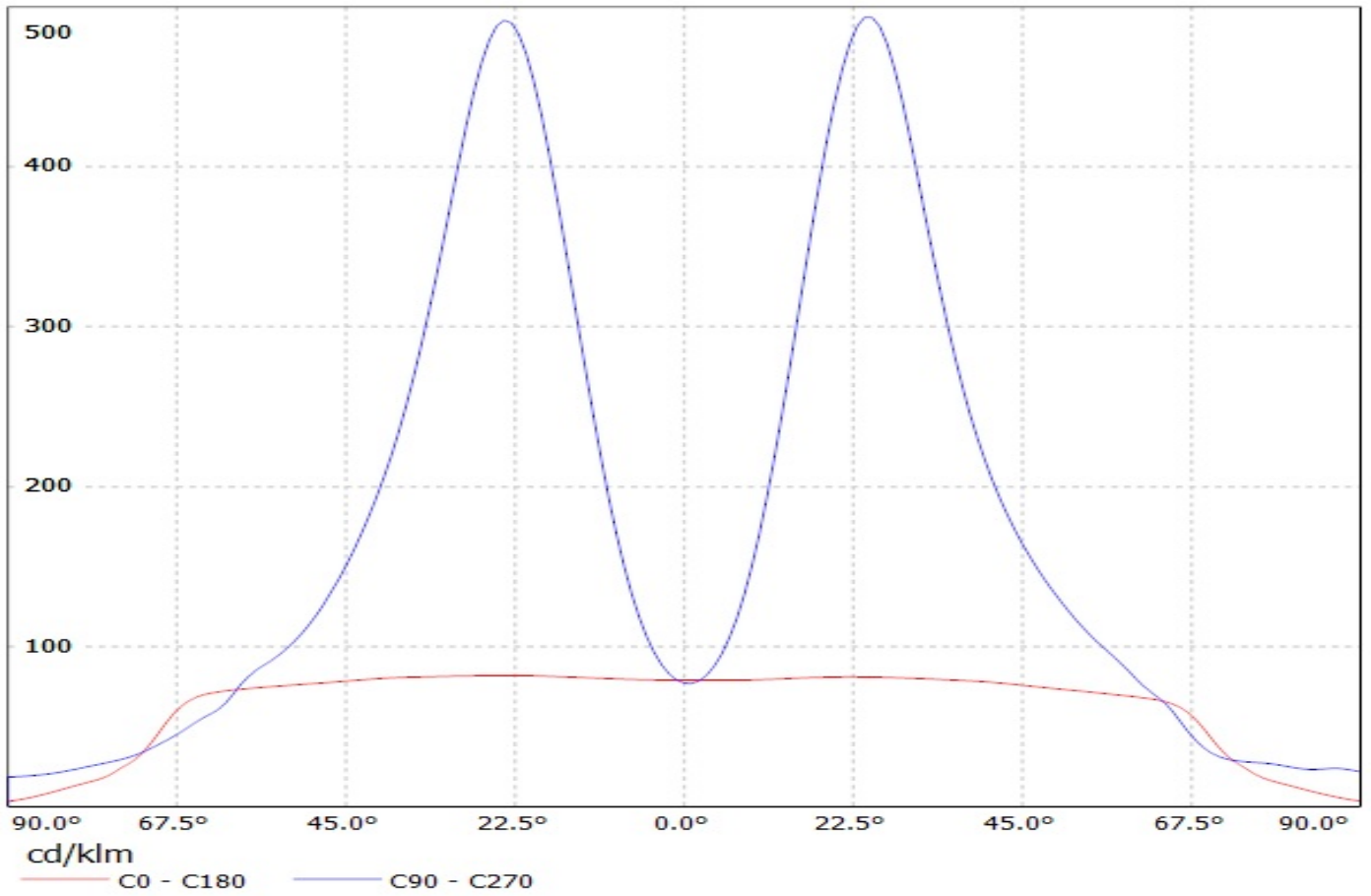


Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(LLE-55-280-1650)

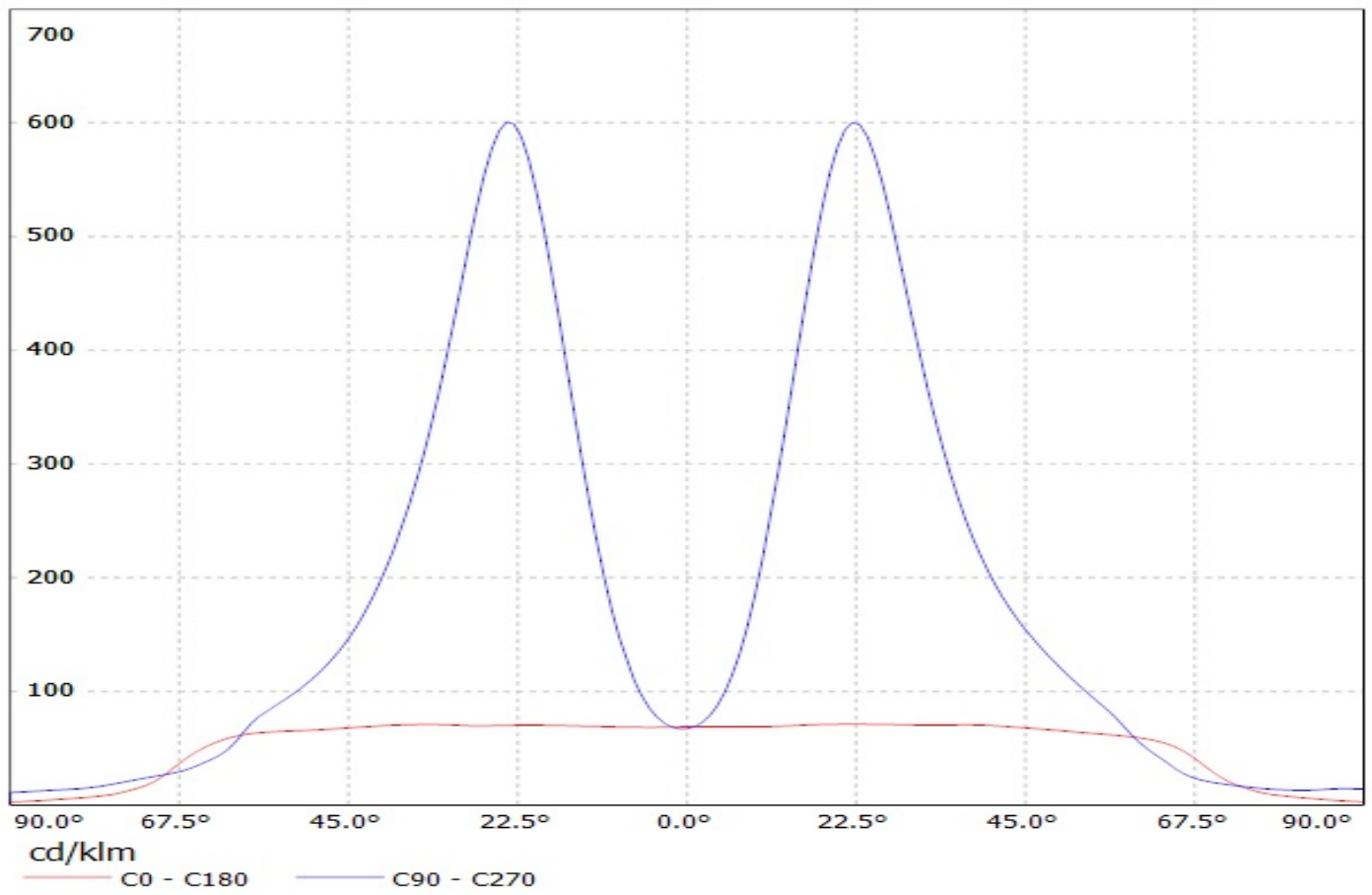
Lamps: 1 x Tridonic\_STARK\_LLE-55-280-1650\_(STARK\_LLE-55-280-1650-840-CLA)\_1532lm@325lm\_CCT=4000K\_P=10.1908W\_I=324.9mA



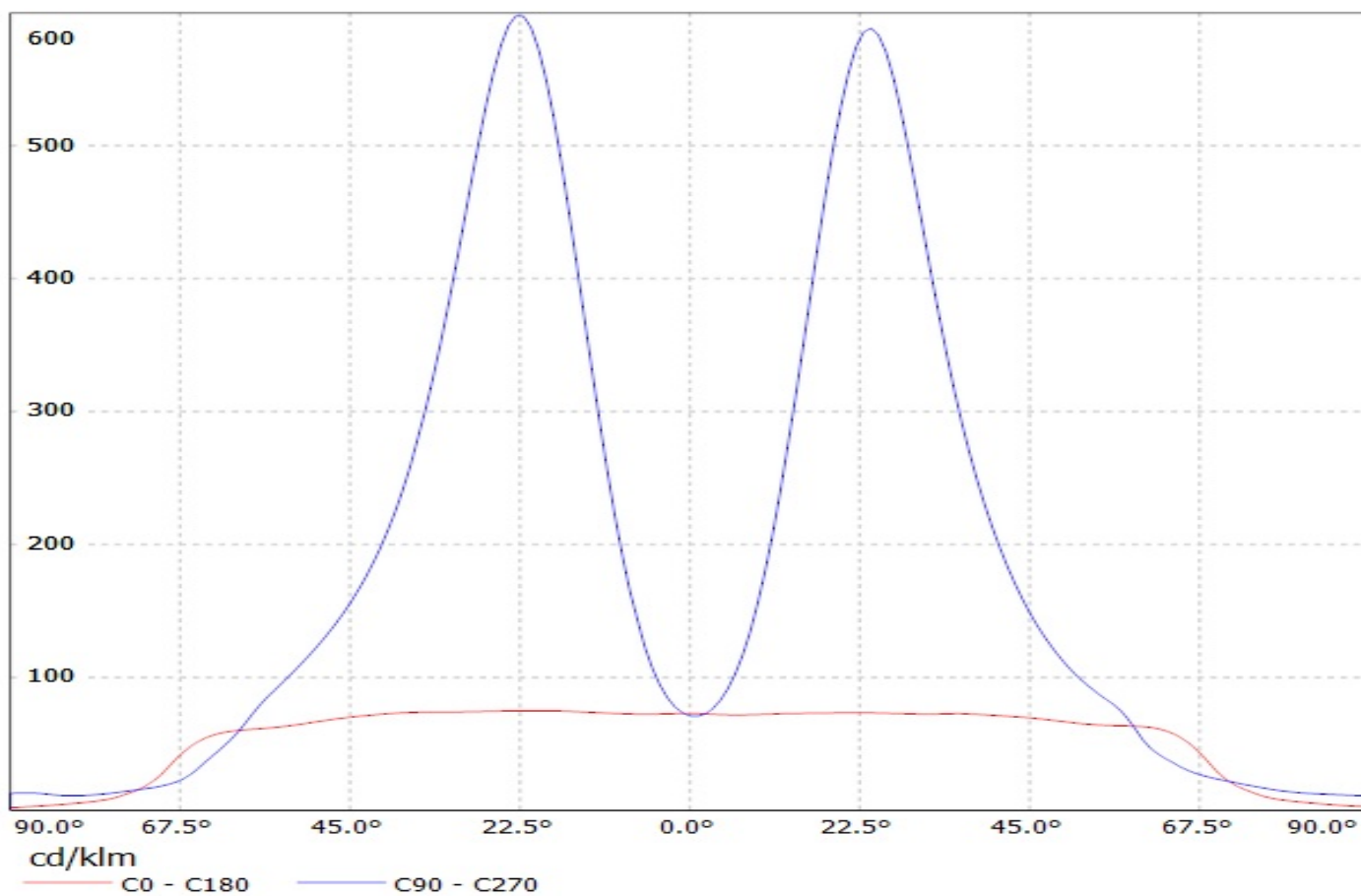
Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(XH-G) Eff: 93%  
Lamps: 1 x Cree\_XH-G\_(XHGAWT-0-7B4-J30-0H)\_1063.31lm@250mA\_P=8.12225W\_I=0.2498A



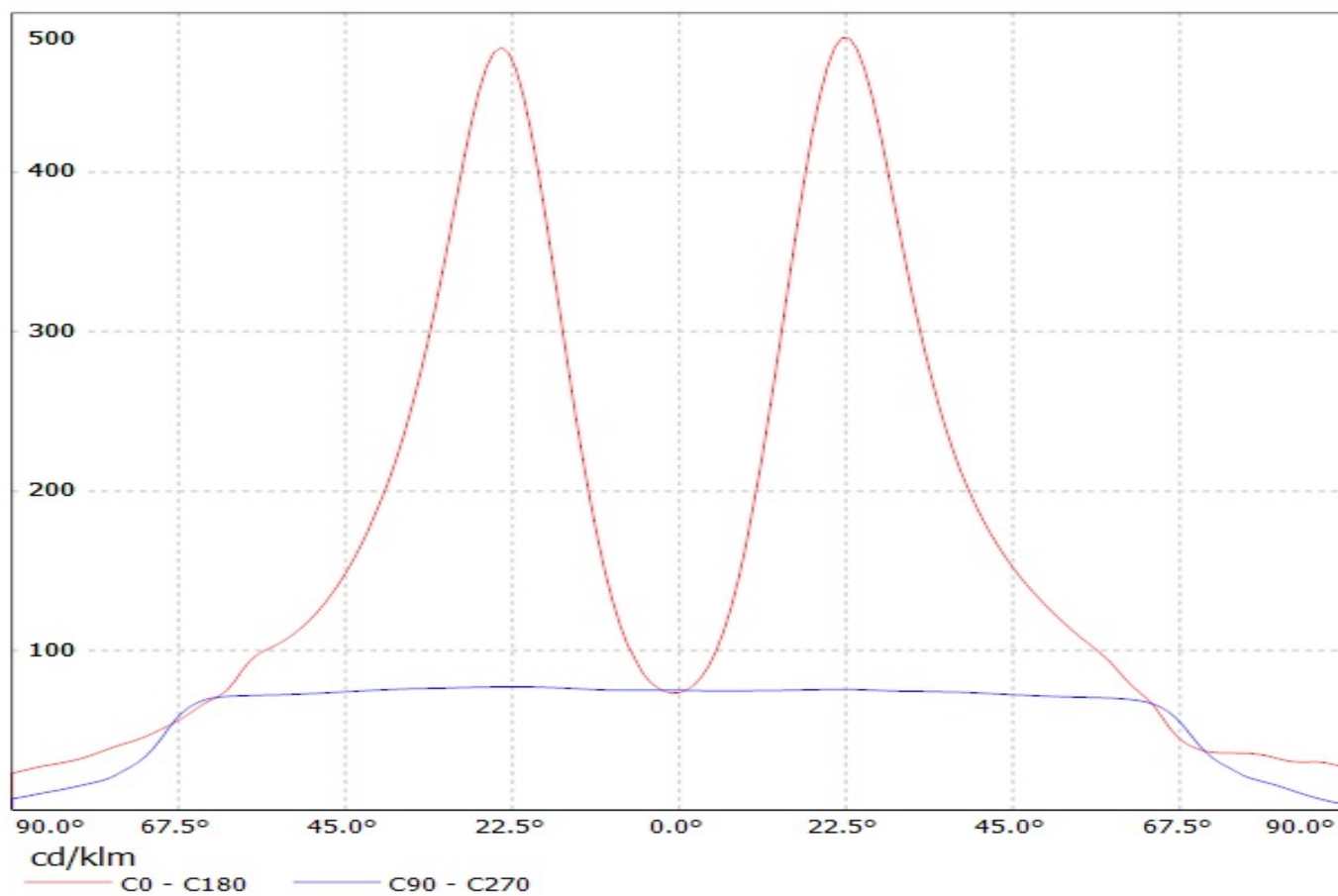
Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(LM231B) Eff: 94%  
Lamps: 1 x Samsung\_LM231B\_579lm@150mA\_P=4.62045W\_I=0.15A



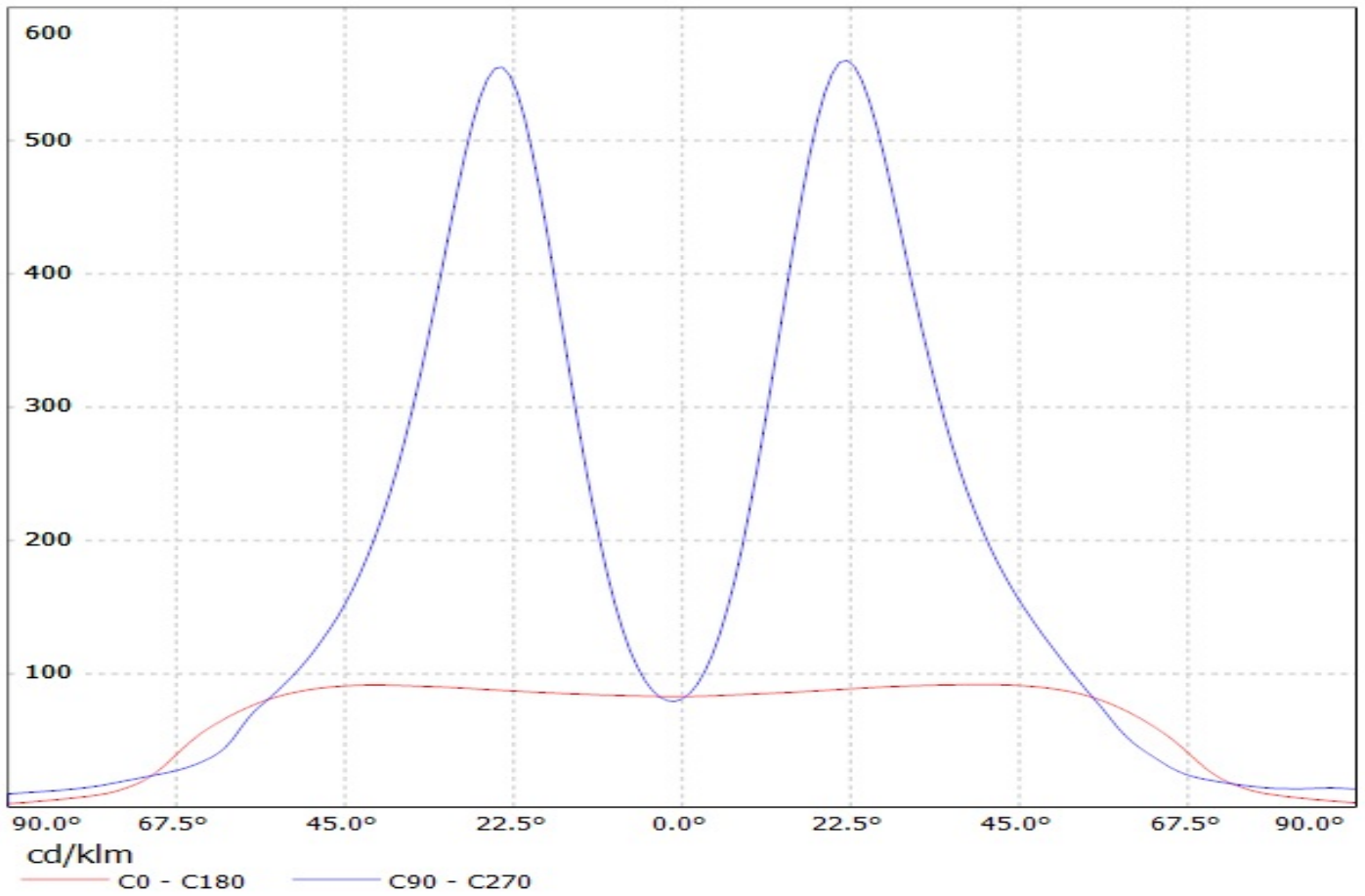
Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(DURIS\_S5) Eff: 94%  
Lamps: 1 x Osram\_DURIS\_S5\_511.3lm@120mA\_P=3.76574W\_I=120.1mA



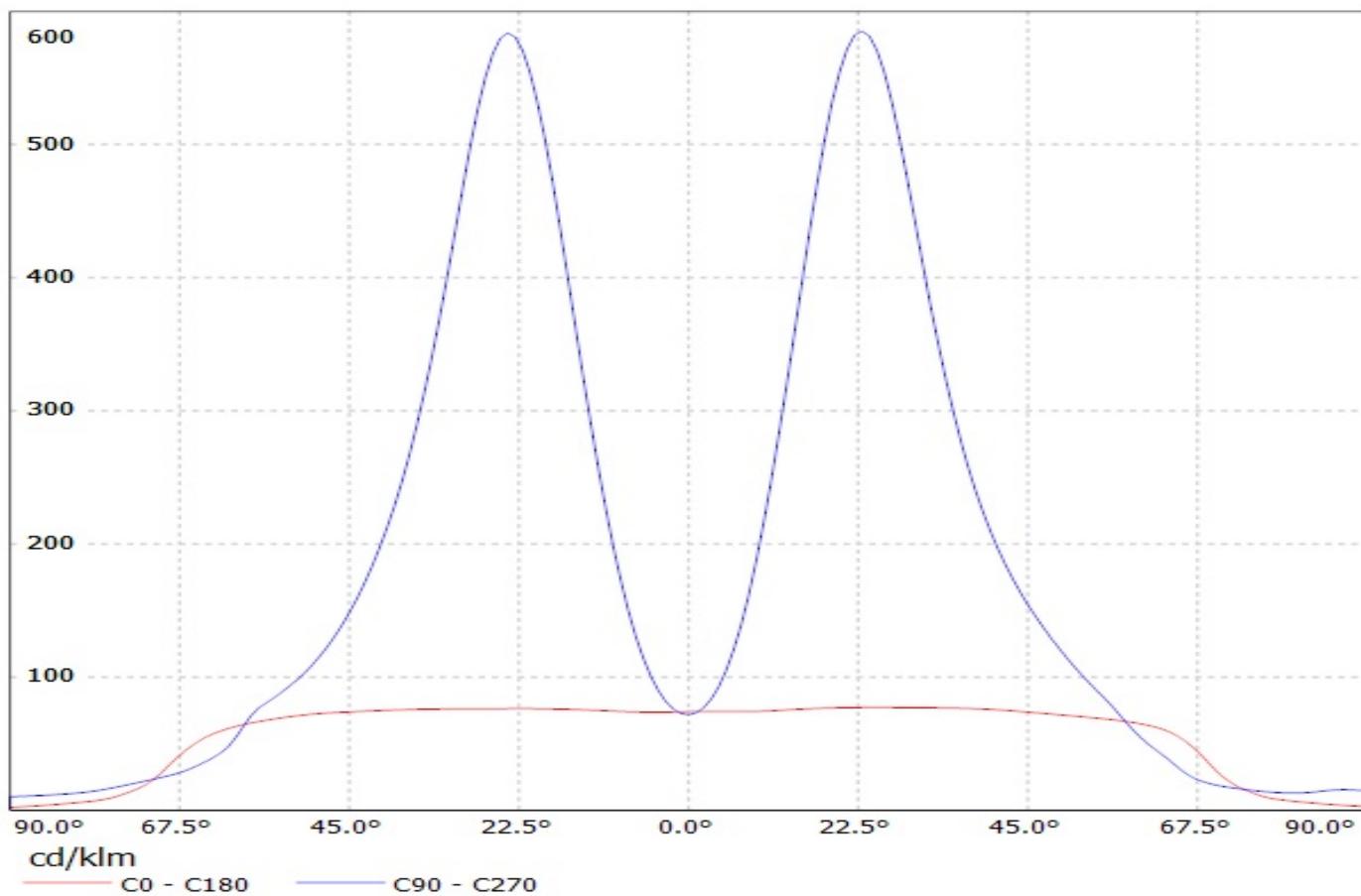
Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(Duris\_P5) Eff: 93%  
Lamps: 1 x Osram\_Duris\_P5\_756.444lm@250mA\_P=7.78777W\_I=249.8mA



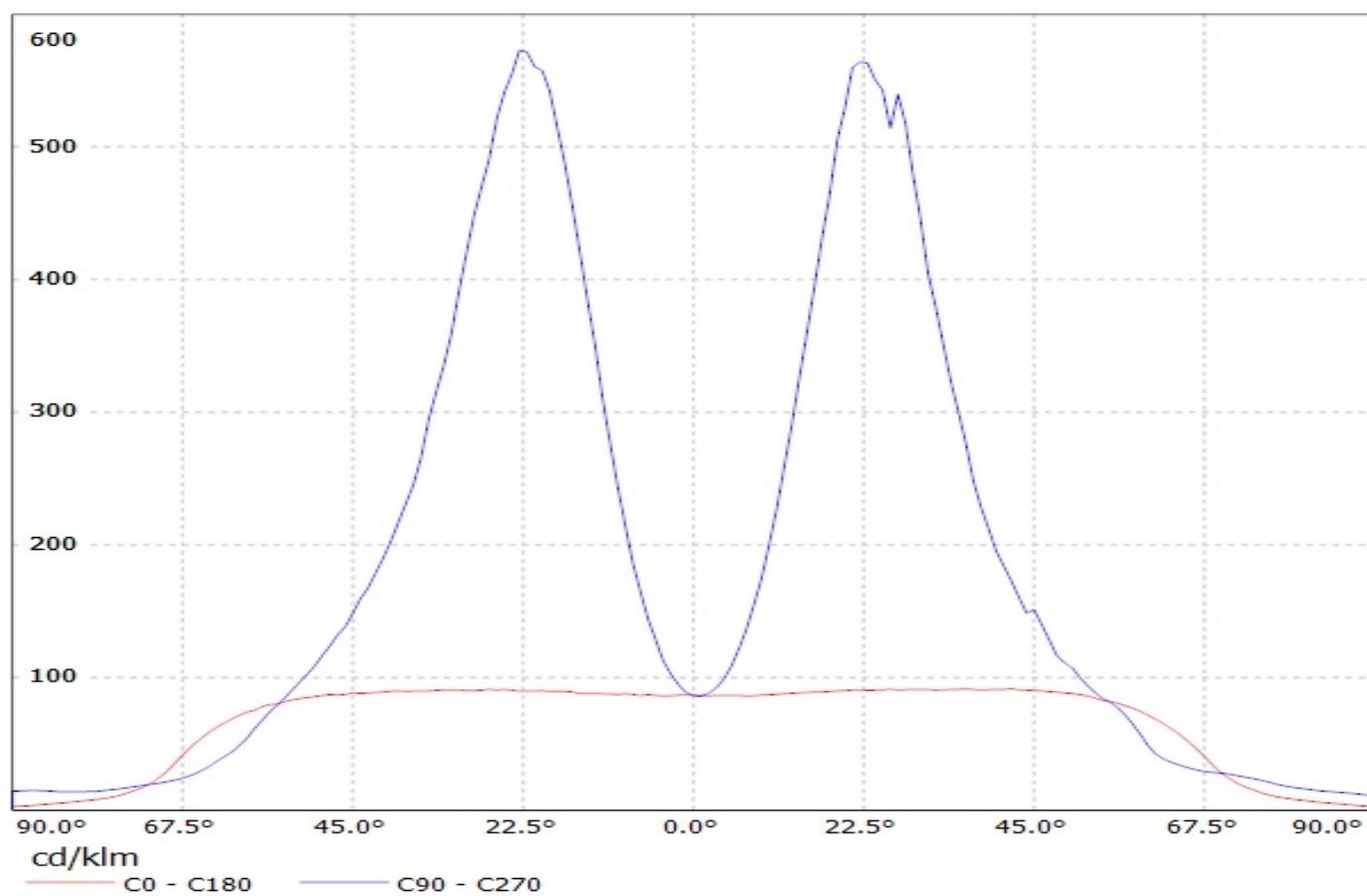
Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(LG\_6030) Eff: 94%  
Lamps: 1 x LG\_6030\_(LEWMS68T80HZ)\_1082lm@250mA\_P=7.86385W\_I=0.2499A



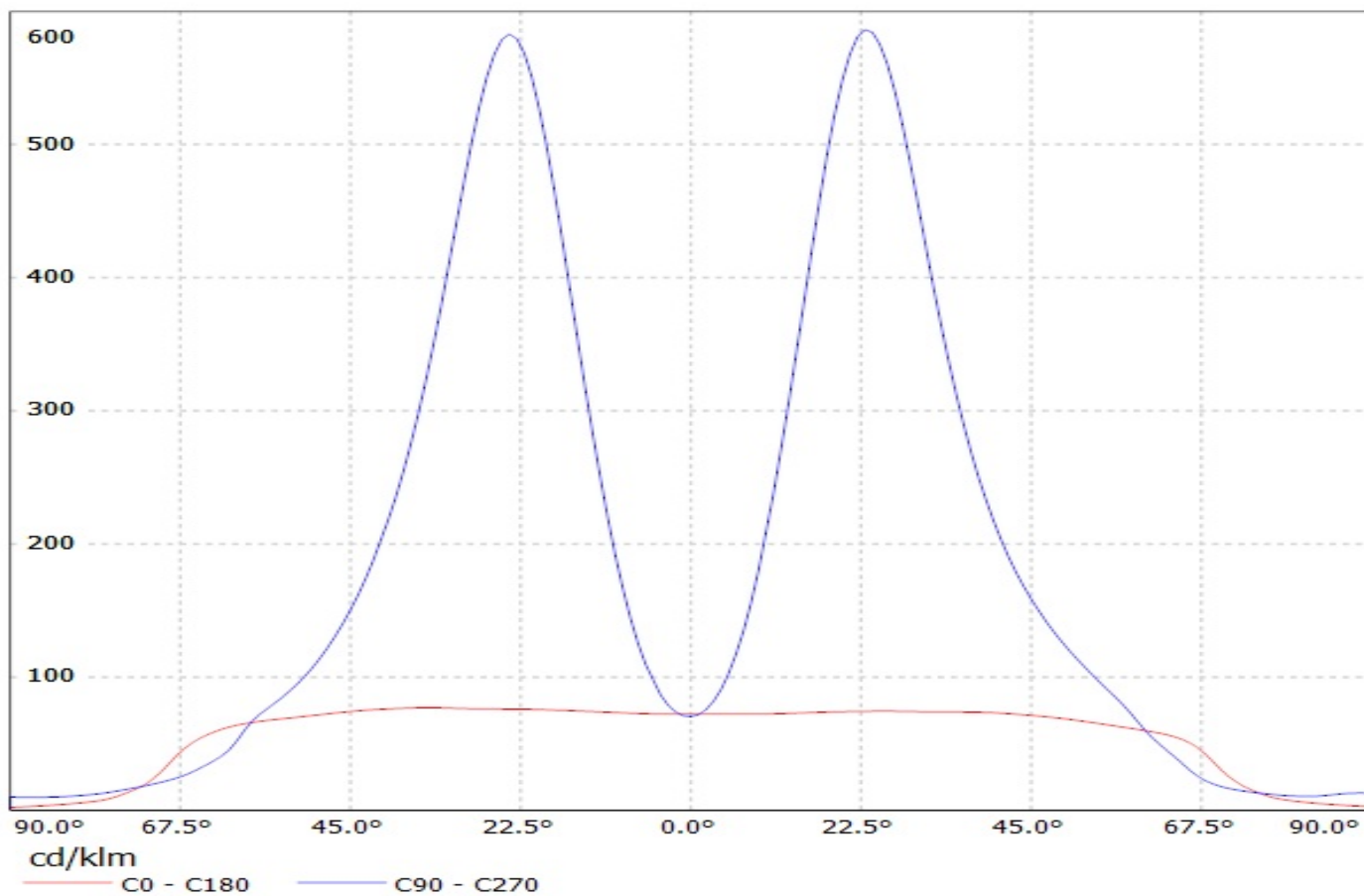
Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(Luxeon\_3535) Eff: 94%  
Lamps: 1 x Luxeon\_3535\_2D\_(MXC8-PW40-0000)\_1516.52lm@200mA\_P=12.6909W\_I=0.1999A



Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(DURIS\_E5) Eff: 94%  
Lamps: 1 x Osram\_DURIS\_E5\_570lm@120mA\_P=3.69459W\_I=120.2mA

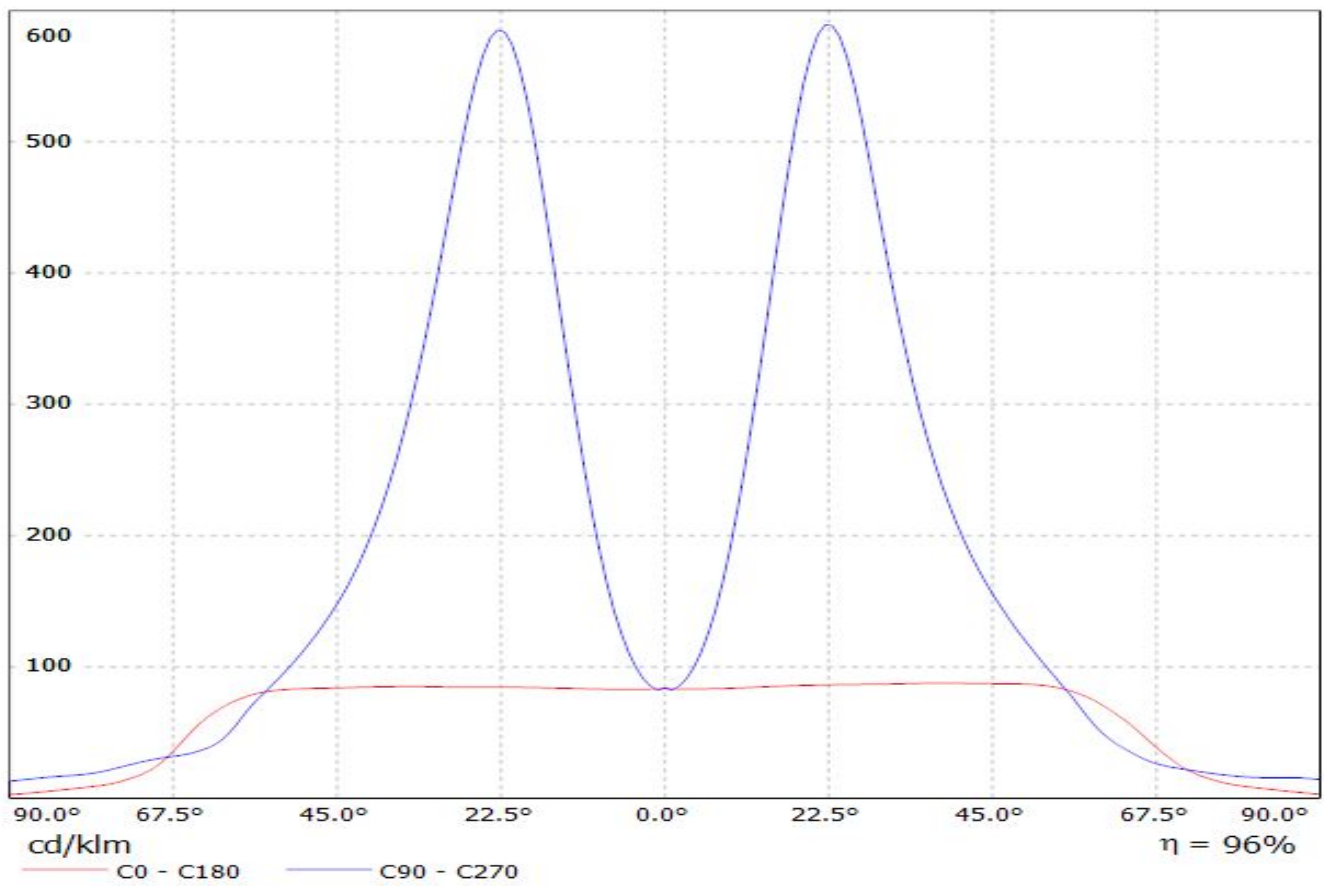


Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(LM561B) Eff: 94%  
Lamps: 1 x Samsung\_LM561B\_695.232lm@150mA\_P=4.6194W\_I=0.15A

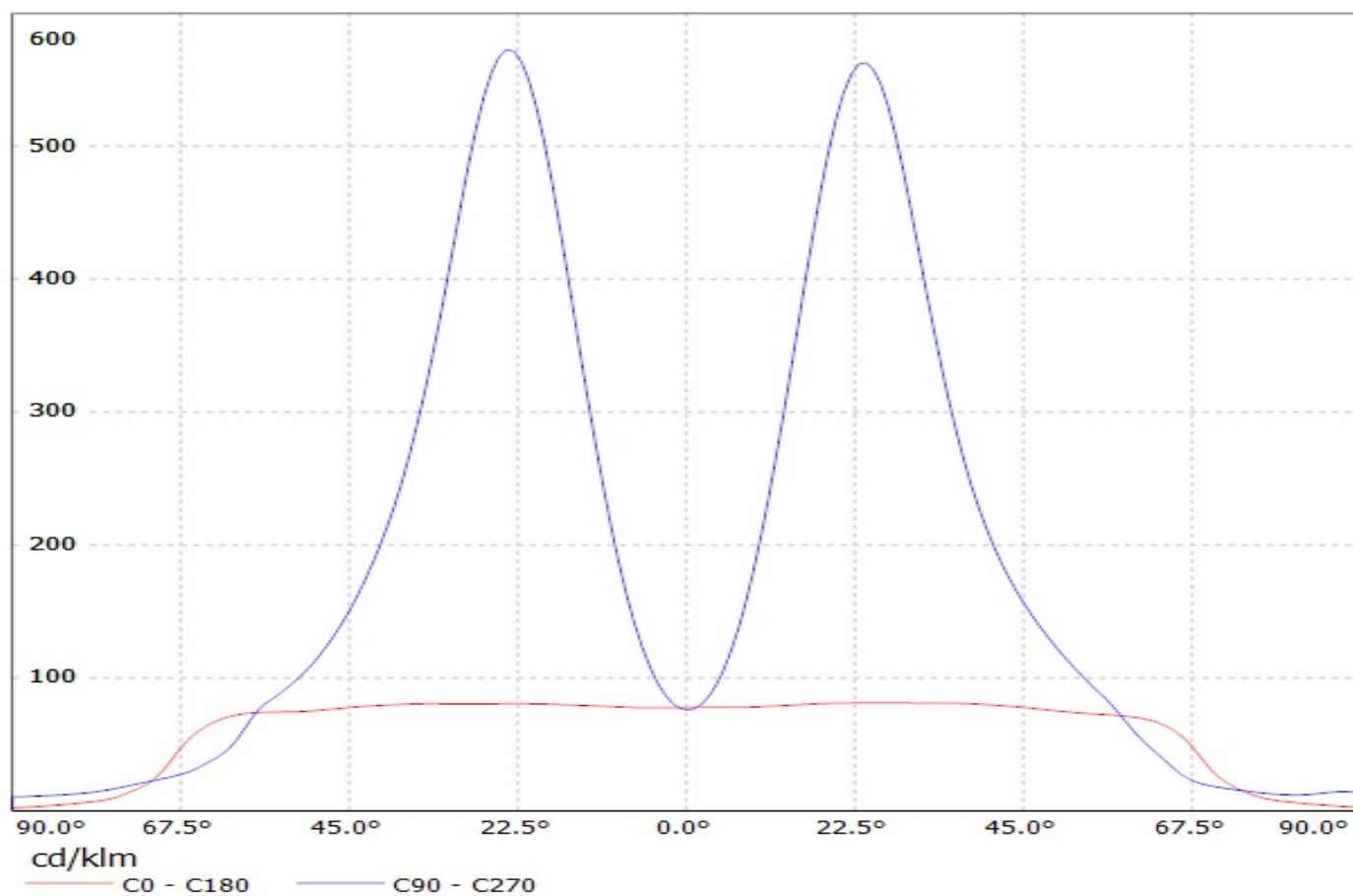


Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(LG\_5630)

Lamps: 1 x FLORENCE\_FORTIMO\_(LG\_5630)\_1000.68lm@250mA P=8.35483W I=250.7mA



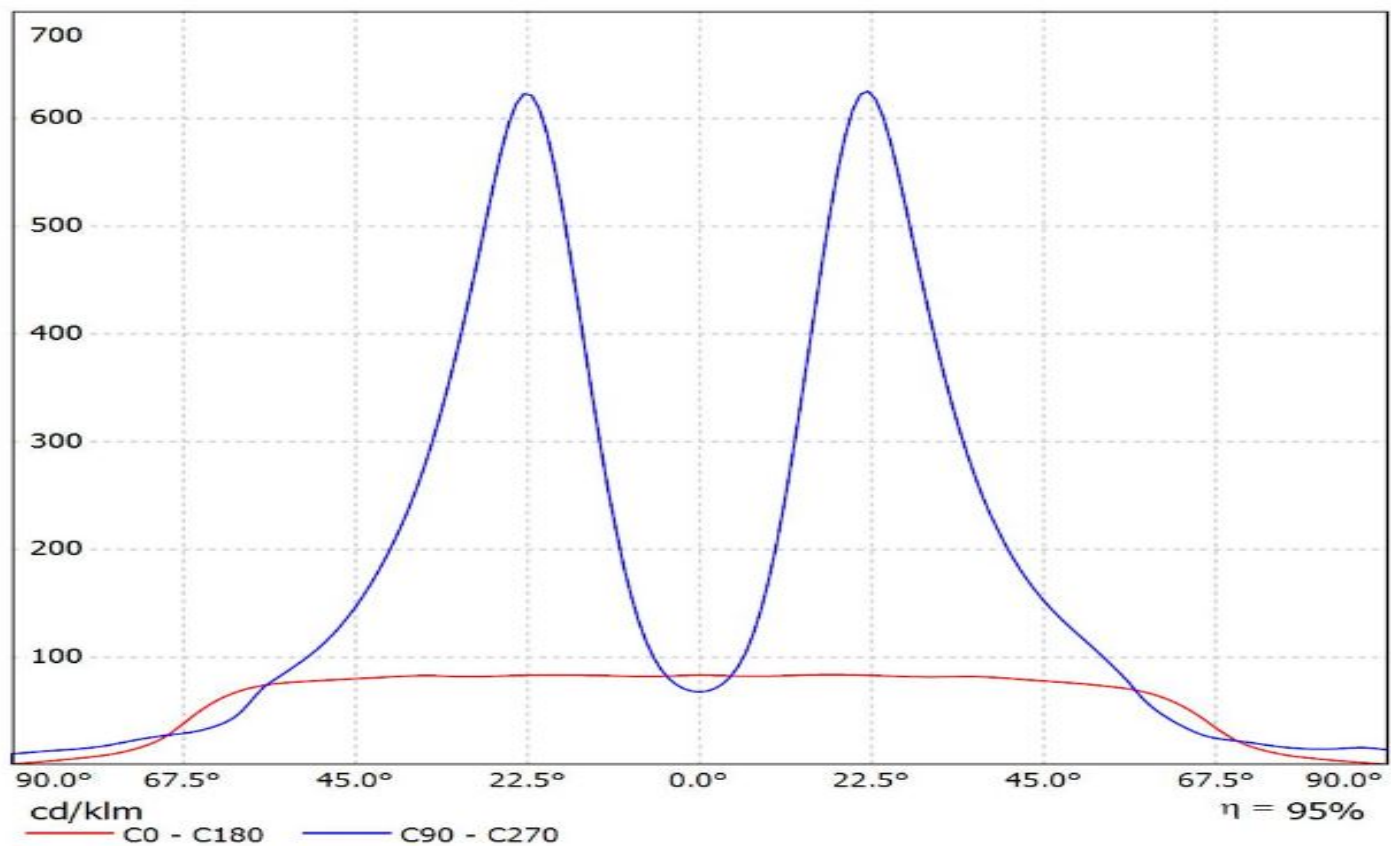
Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(NT2x757D) Eff: 94%  
Lamps: 1 x Nichia\_NT2x757D\_(NT2W757DRT)\_1465.4lm@150mA\_P=9.3849W\_I=0.15A



# Ledil F14170\_FLORENCE-ZT25\_(MP-2016) / LDC (Linear)

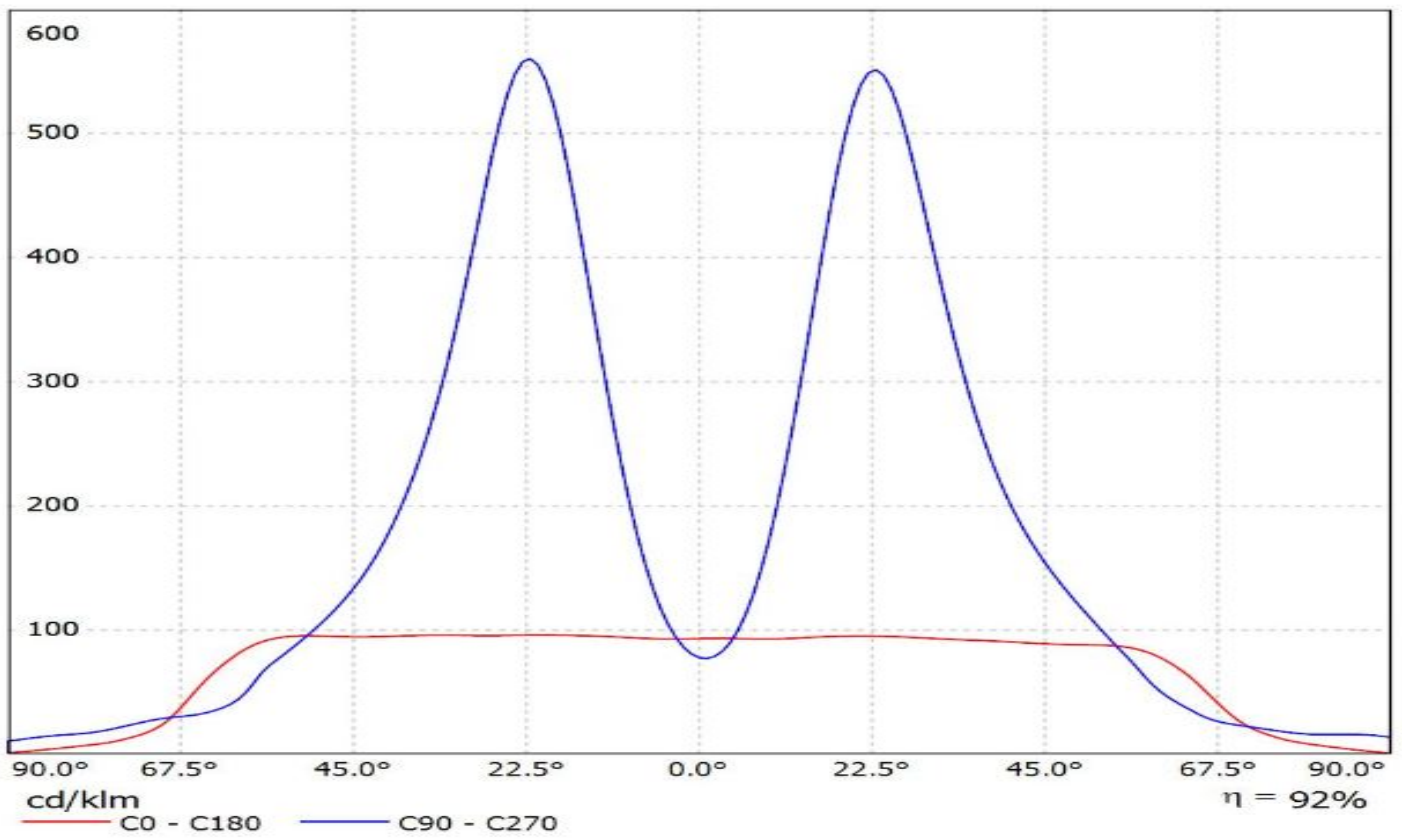
Luminaire: Ledil F14170\_FLORENCE-ZT25\_(MP-2016)

Lamps: 1 x Luminus\_MP-2016\_x22\_(LUMMP-1100-30-80)\_715.864lm@180mA\_P=6W\_I=0.18A



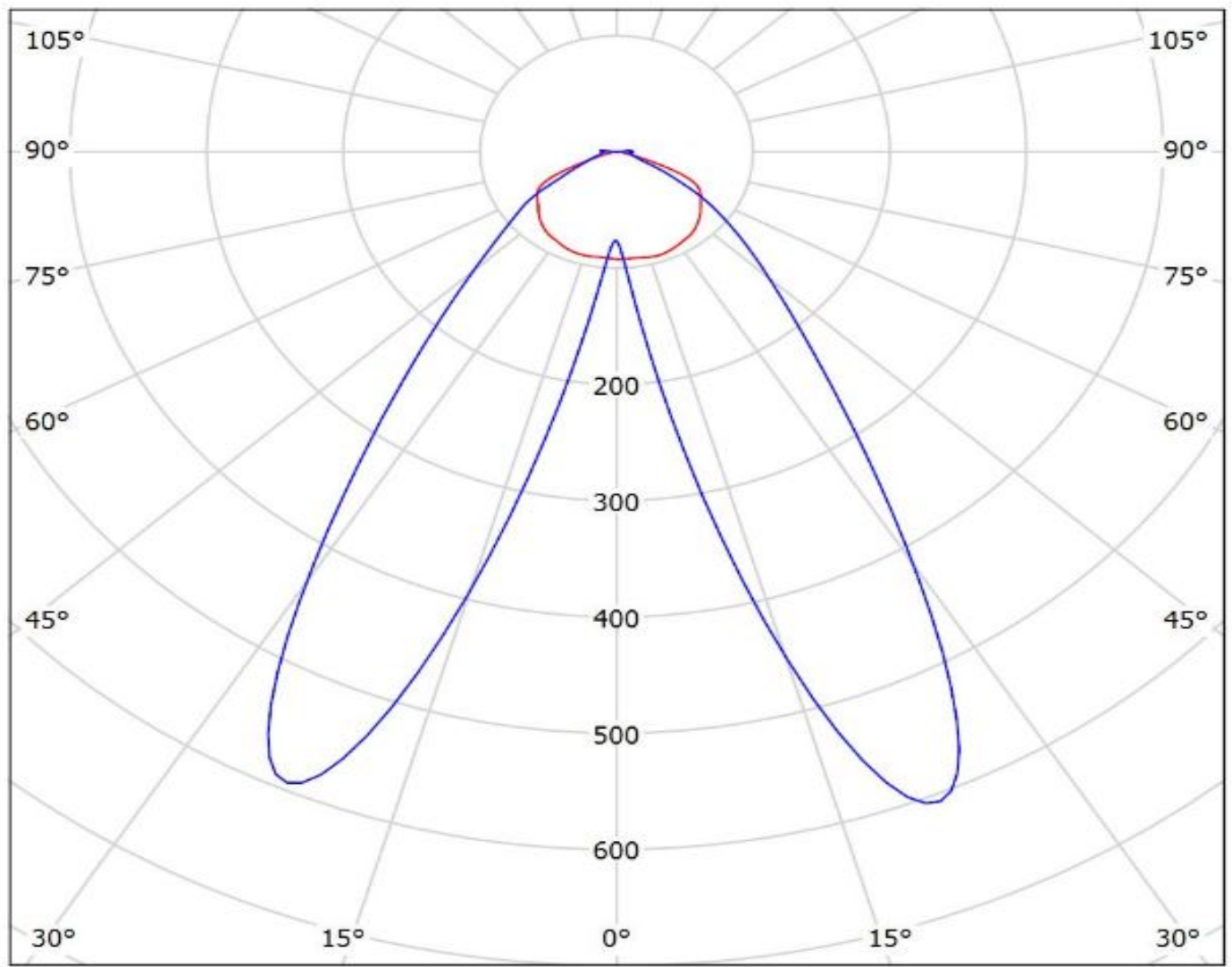
# Ledil F14170\_FLORENCE-ZT25\_(Luxeon\_3030\_2D) / LDC (Linear)

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 (Polar)

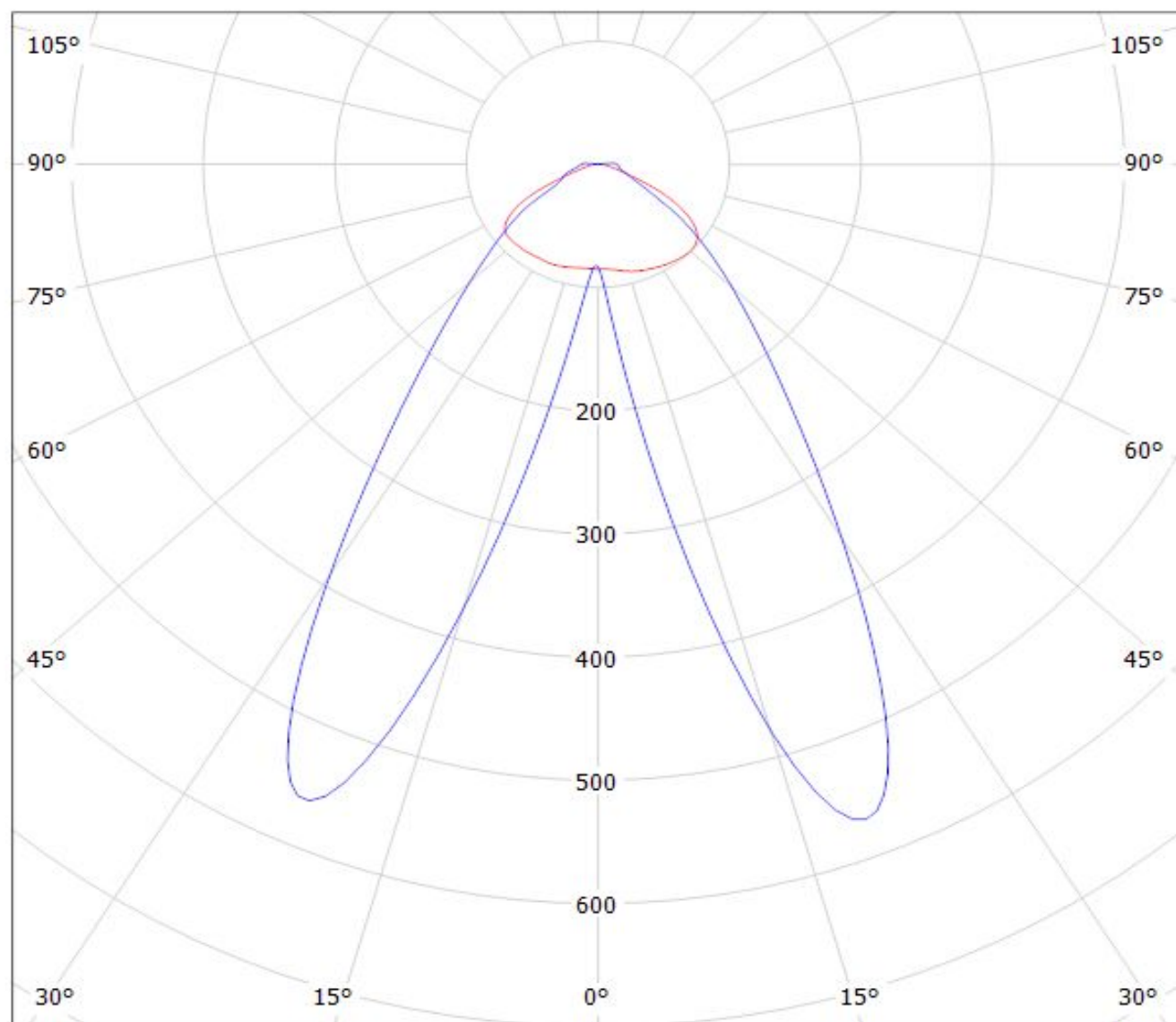
Luminaire: Ledil F14170\_FLORENCE-ZT25\_(Luxeon\_XR-3535L)  
Lamps: 1 x Lumileds\_Luxeon\_XR-3535L\_3x11\_(L202-3080033C30001)  
\_1087.37lm@250mA\_CCT=3000K\_P=8.15W\_I=0.25A



cd/klm  
— C0 - C180 — C90 - C270

η = 97%

Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(AVAGO 5630 0.5W)  
Lamps: 1 x AVAGO ASMU-LWG0-NxxxE 1677.82lm@420mA 34.8V



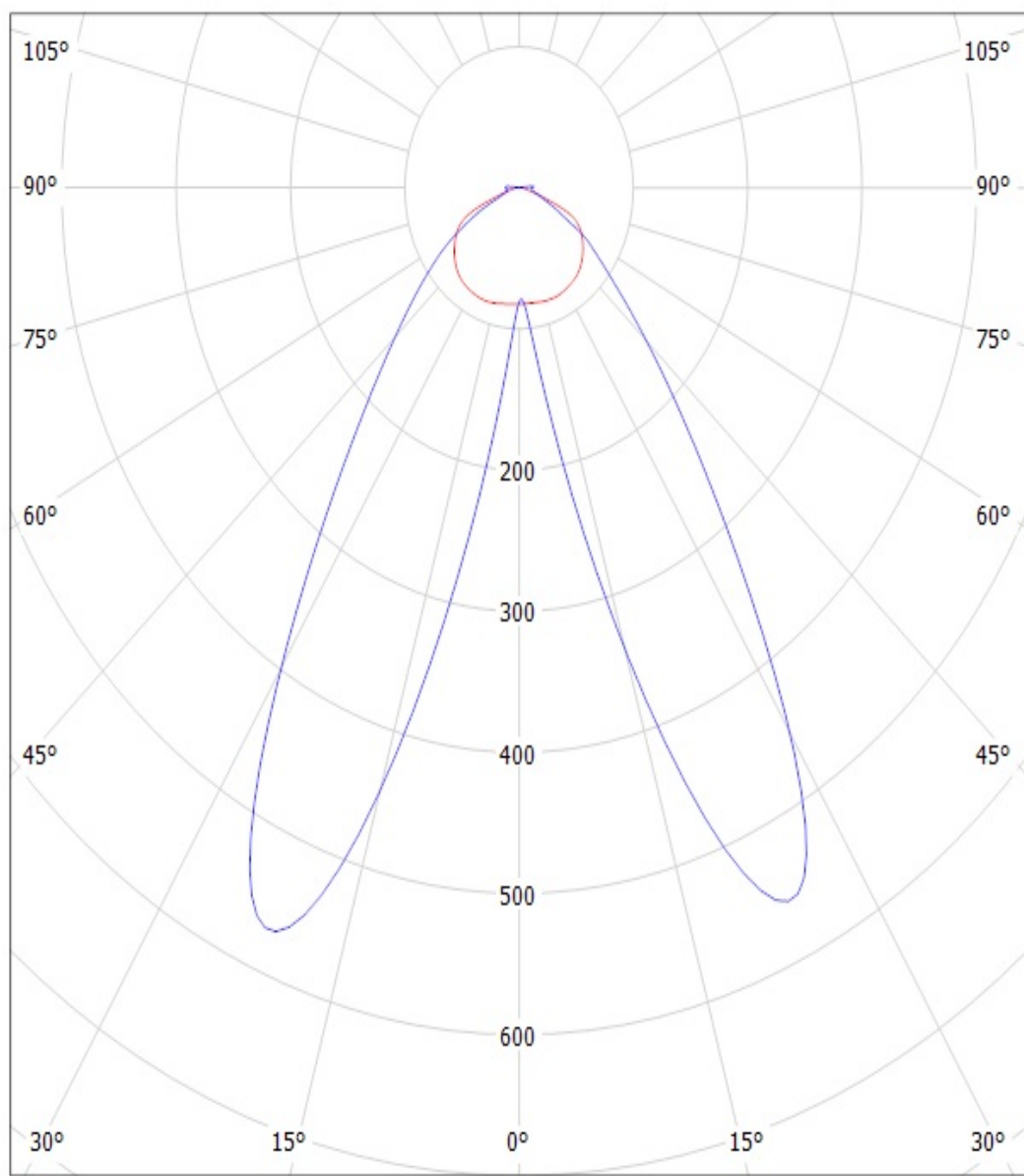
cd/klm

— C0 - C180    — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(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



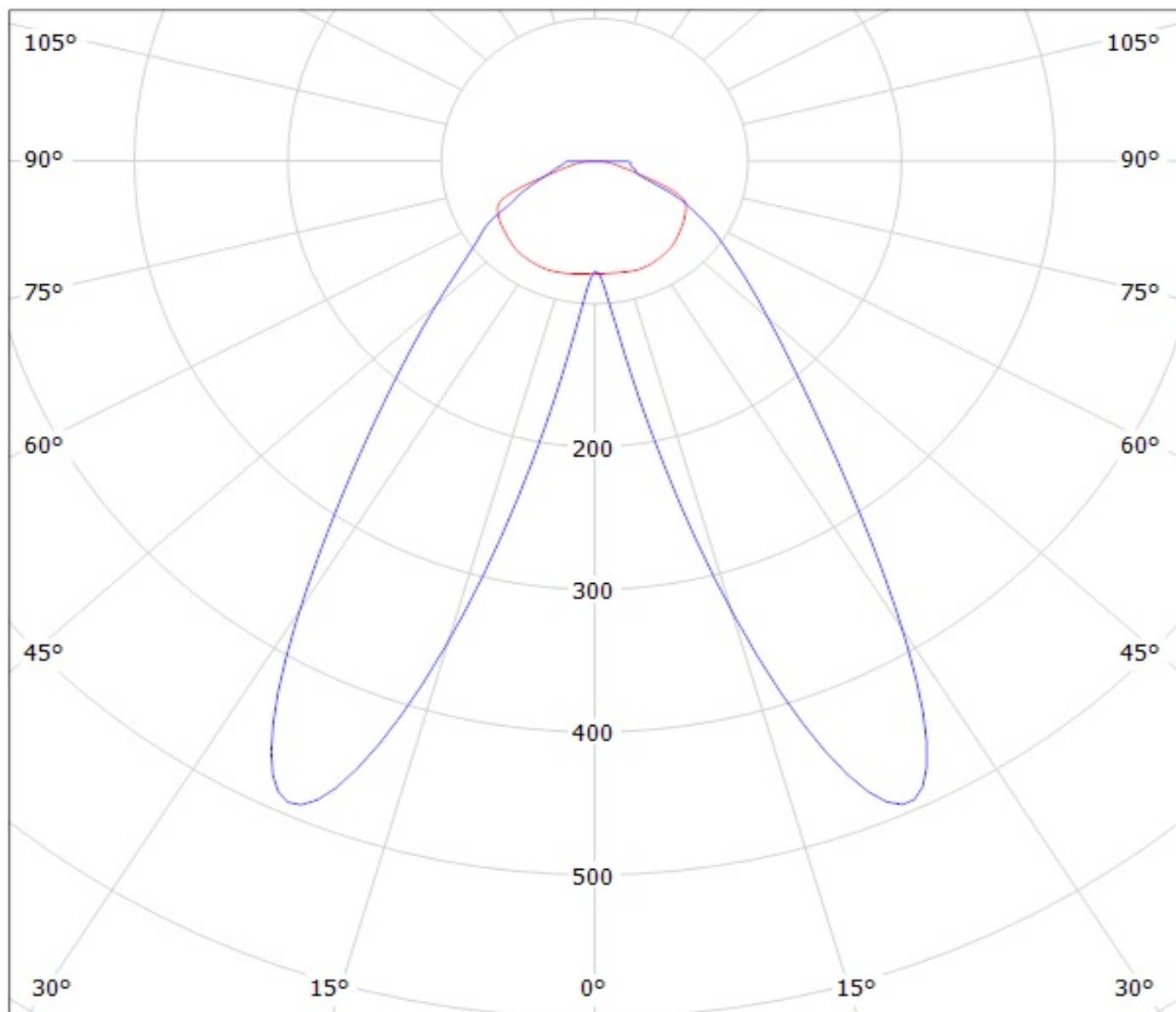
cd/klm

$\eta = 94\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(XH-G) Eff: 93%

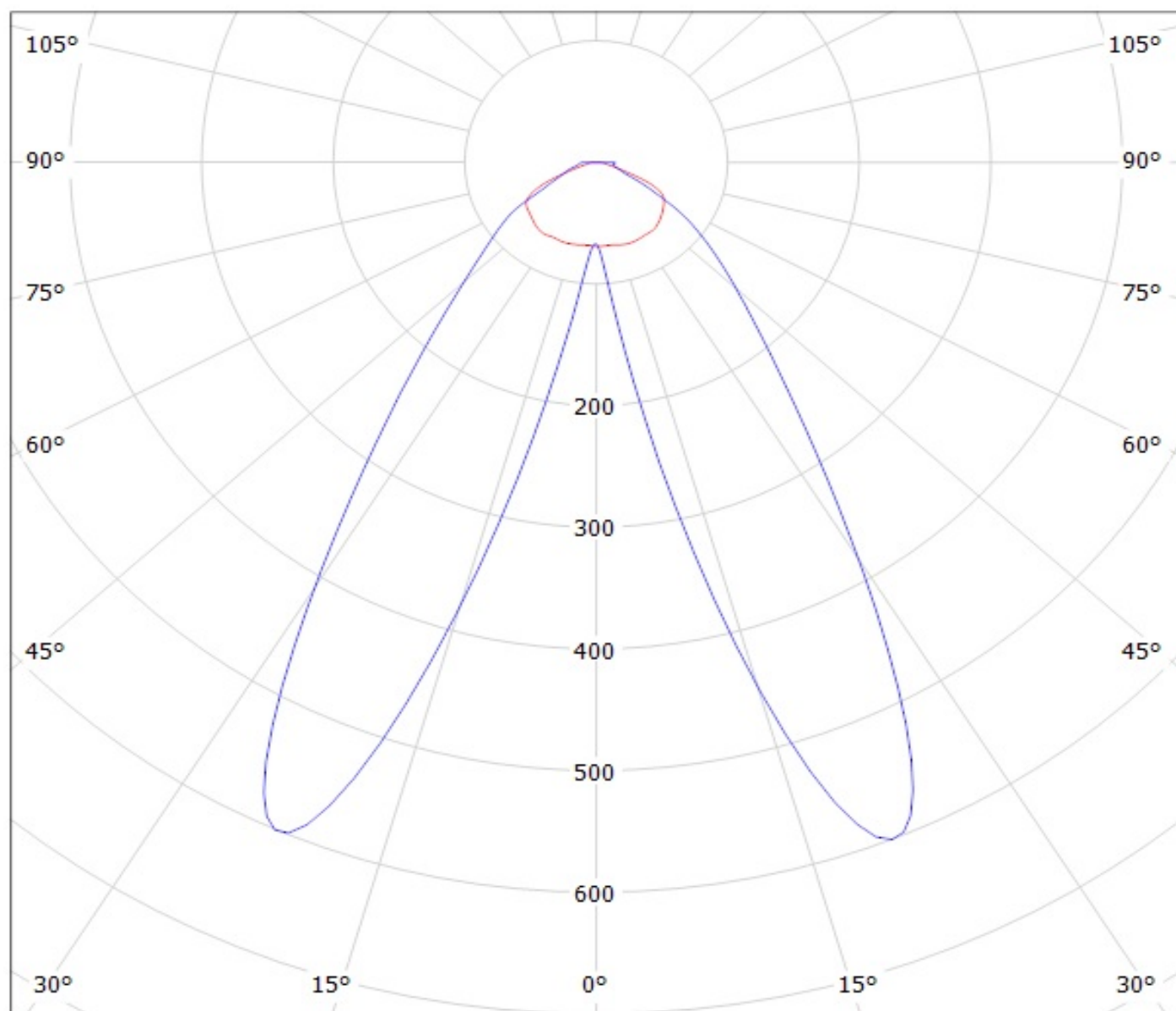
Lamps: 1 x Cree\_XH-G\_(XHGAWT-0-7B4-J30-0H)\_1063.31lm@250mA\_P=8.12225W\_I=0.2498A



cd/klm

— C0 - C180    — C90 - C270

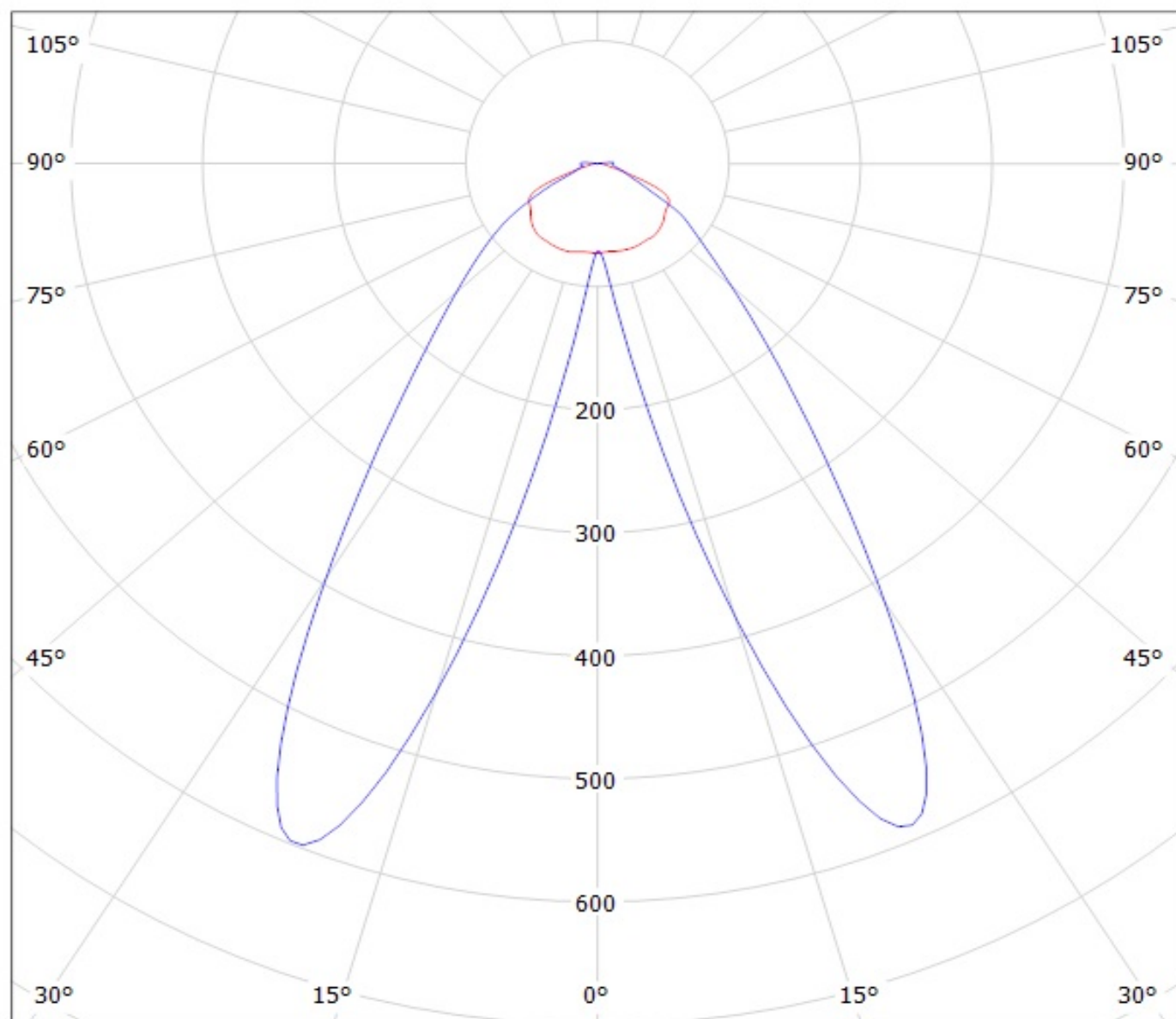
Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(LM231B) Eff: 94%  
Lamps: 1 x Samsung\_LM231B\_579lm@150mA\_P=4.62045W\_I=0.15A



cd/klm

— C0 - C180 — C90 - C270

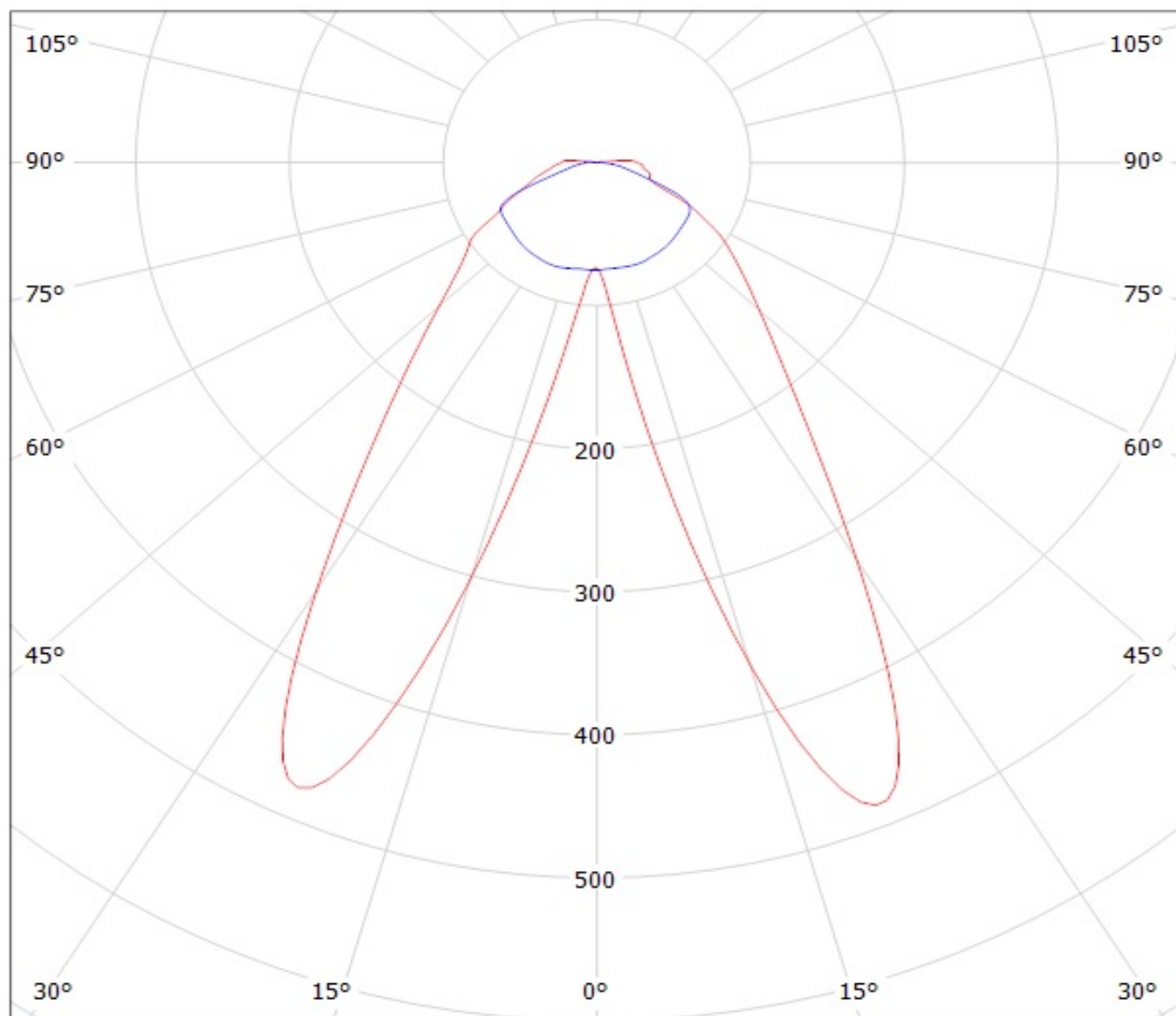
Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(DURIS\_S5) Eff: 94%  
Lamps: 1 x Osram\_DURIS\_S5\_511.3lm@120mA\_P=3.76574W\_I=120.1mA



cd/klm

— C0 - C180    — C90 - C270

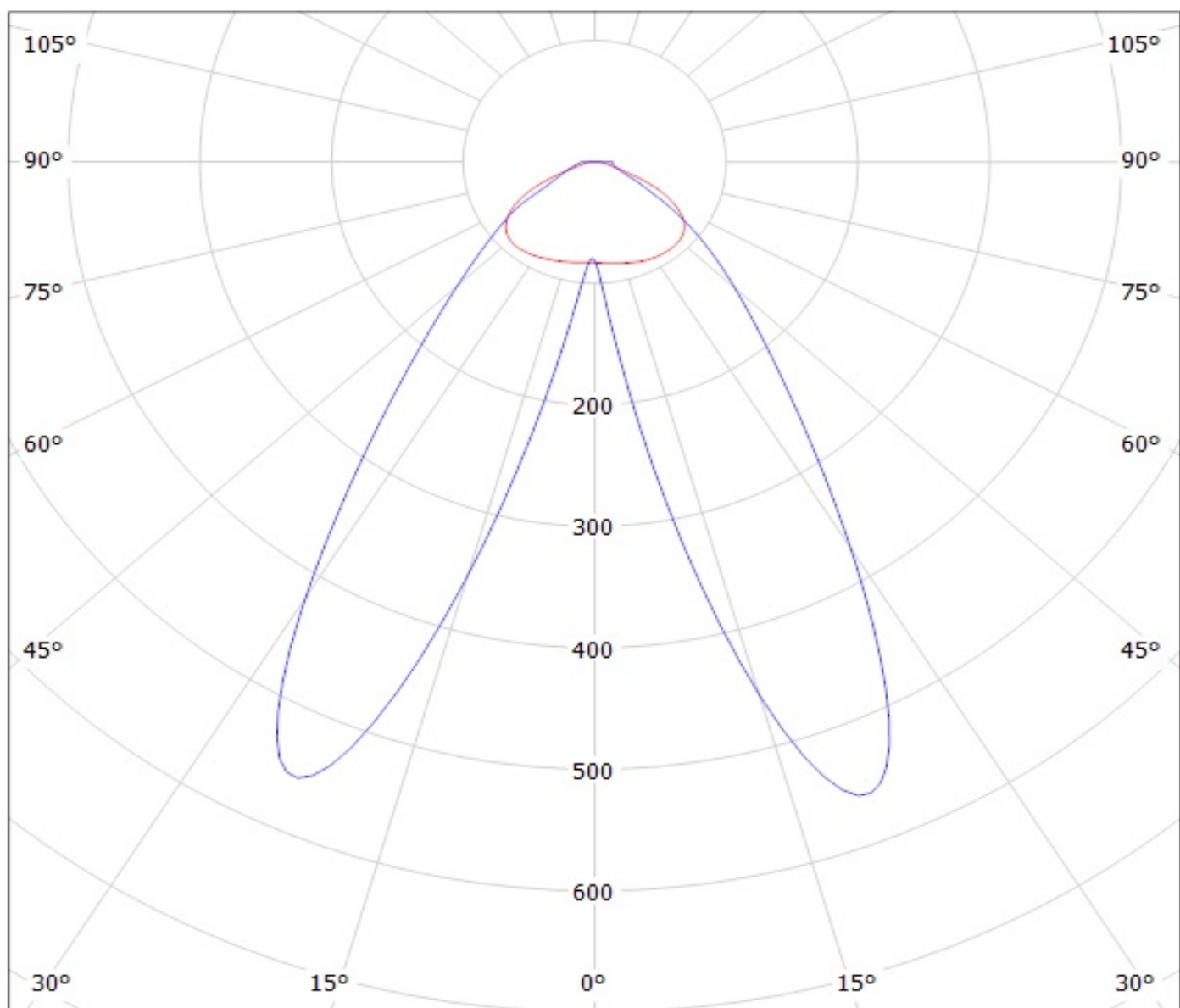
Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(Duris\_P5) Eff: 93%  
Lamps: 1 x Osram\_Duris\_P5\_756.444lm@250mA\_P=7.78777W\_I=249.8mA



cd/klm

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(LG\_6030) Eff: 94%  
Lamps: 1 x LG\_6030\_(LEWMS68T80HZ)\_1082lm@250mA\_P=7.86385W\_I=0.2499A



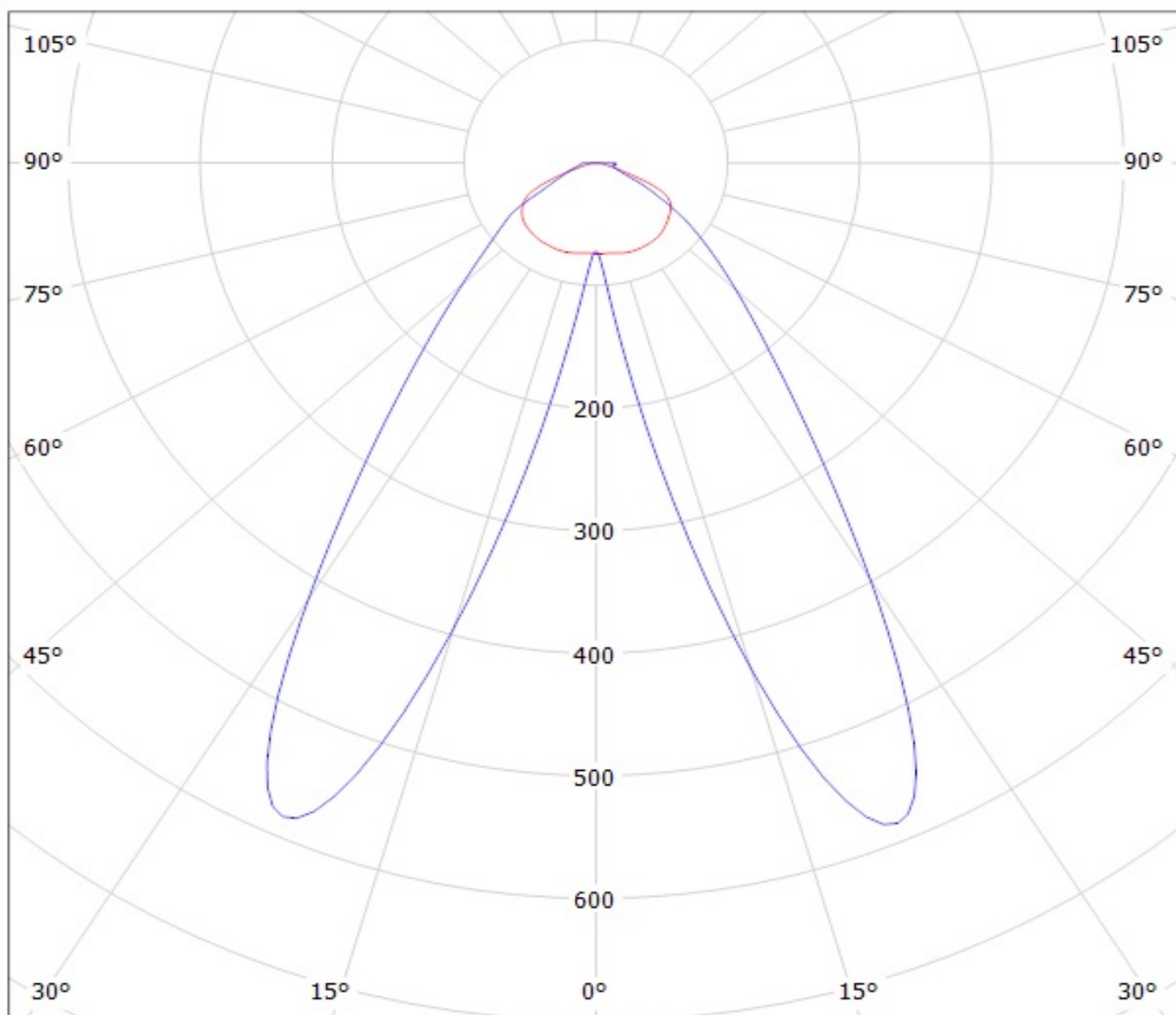
cd/klm

— 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

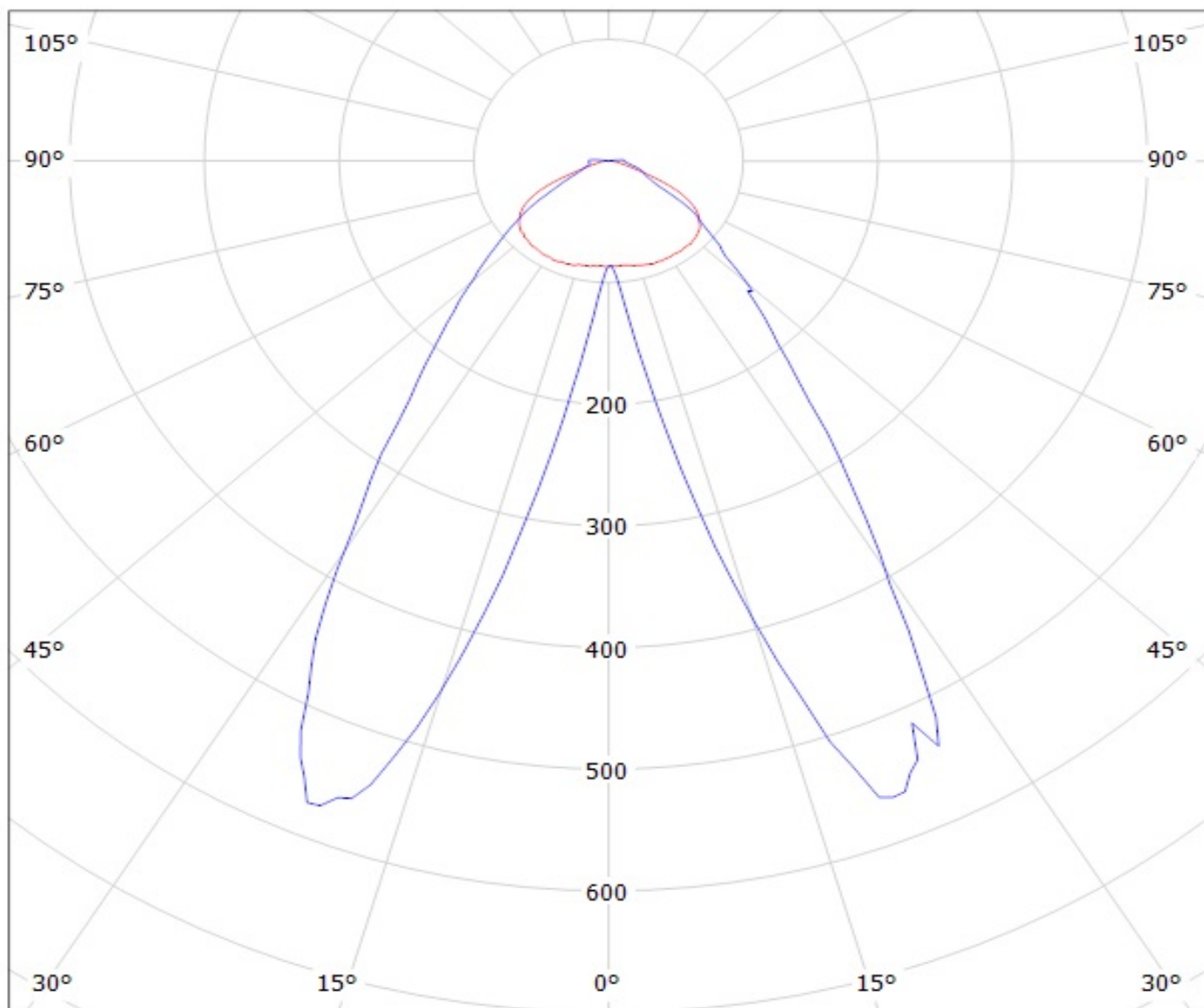


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(DURIS\_E5) Eff. 94%  
Lamps: 1 x Osram\_DURIS\_E5\_570lm@120mA\_P=3.69459W\_I=120.2mA

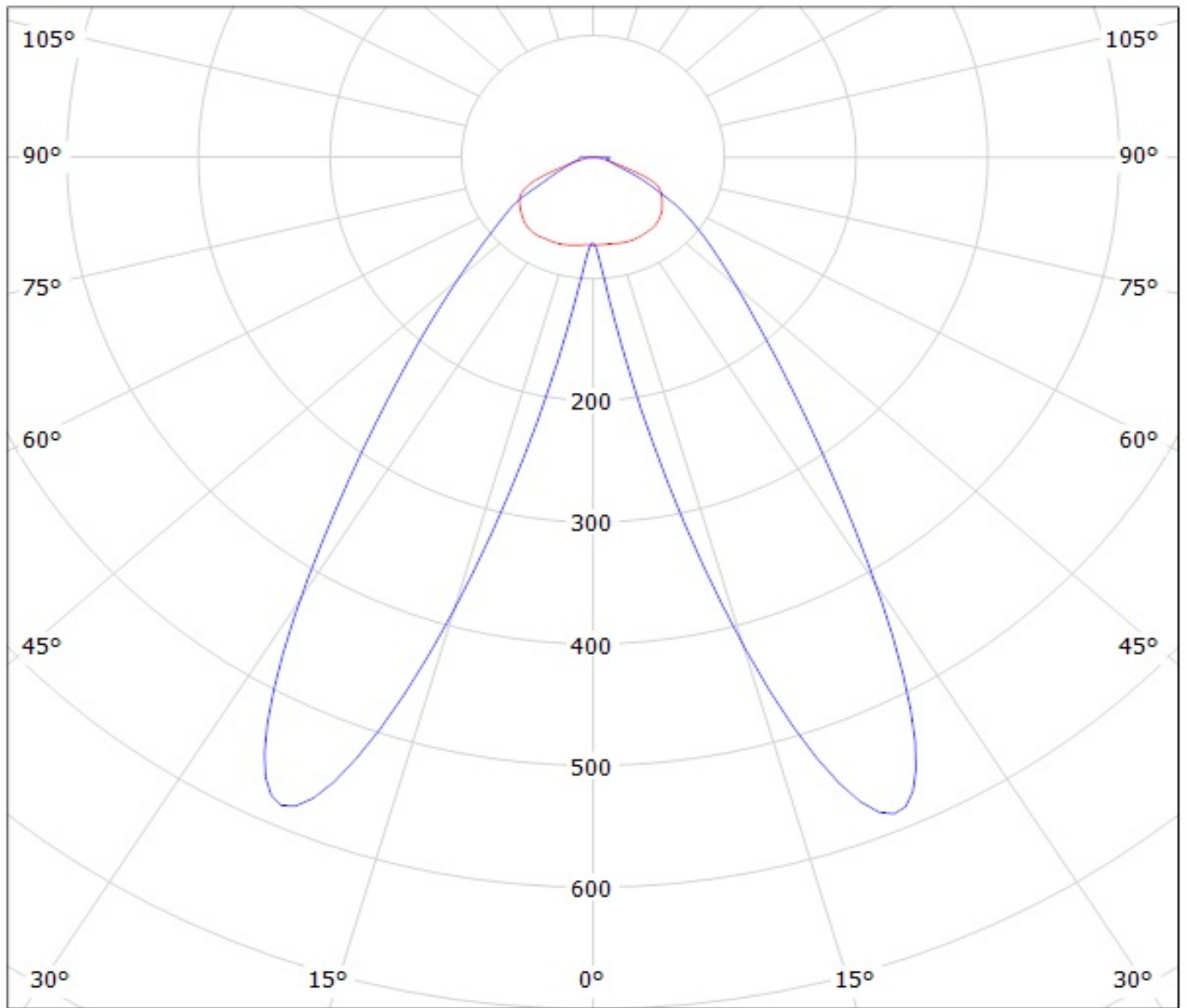


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(LM561B) Eff: 94%  
Lamps: 1 x Samsung\_LM561B\_695.232lm@150mA\_P=4.6194W\_I=0.15A

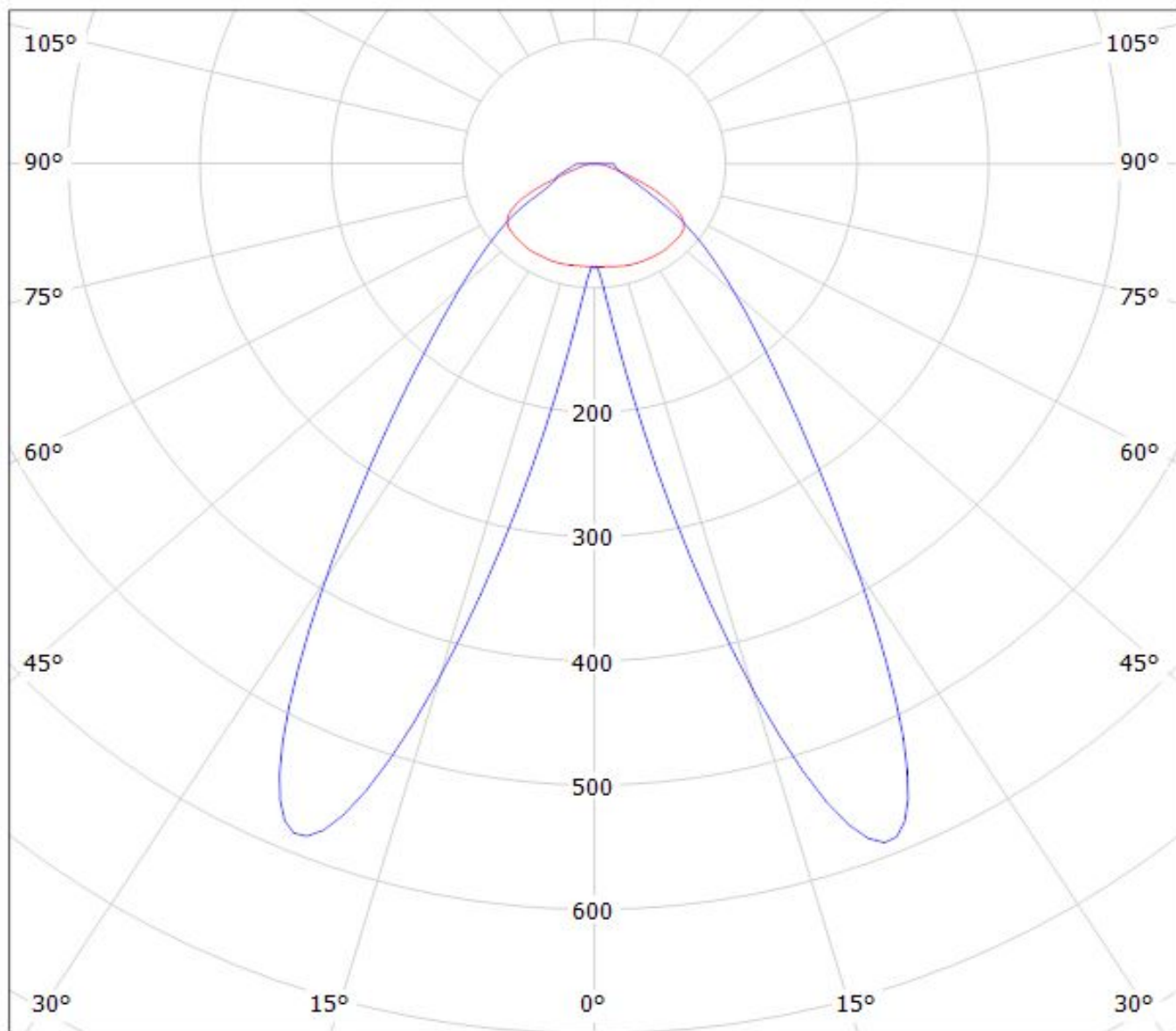


cd/klm

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(LG\_5630)

Lamps: 1 x FLORENCE\_FORTIMO\_(LG\_5630)\_1000.68lm@250mA P=8.35483W I=250.7mA



cd/klm

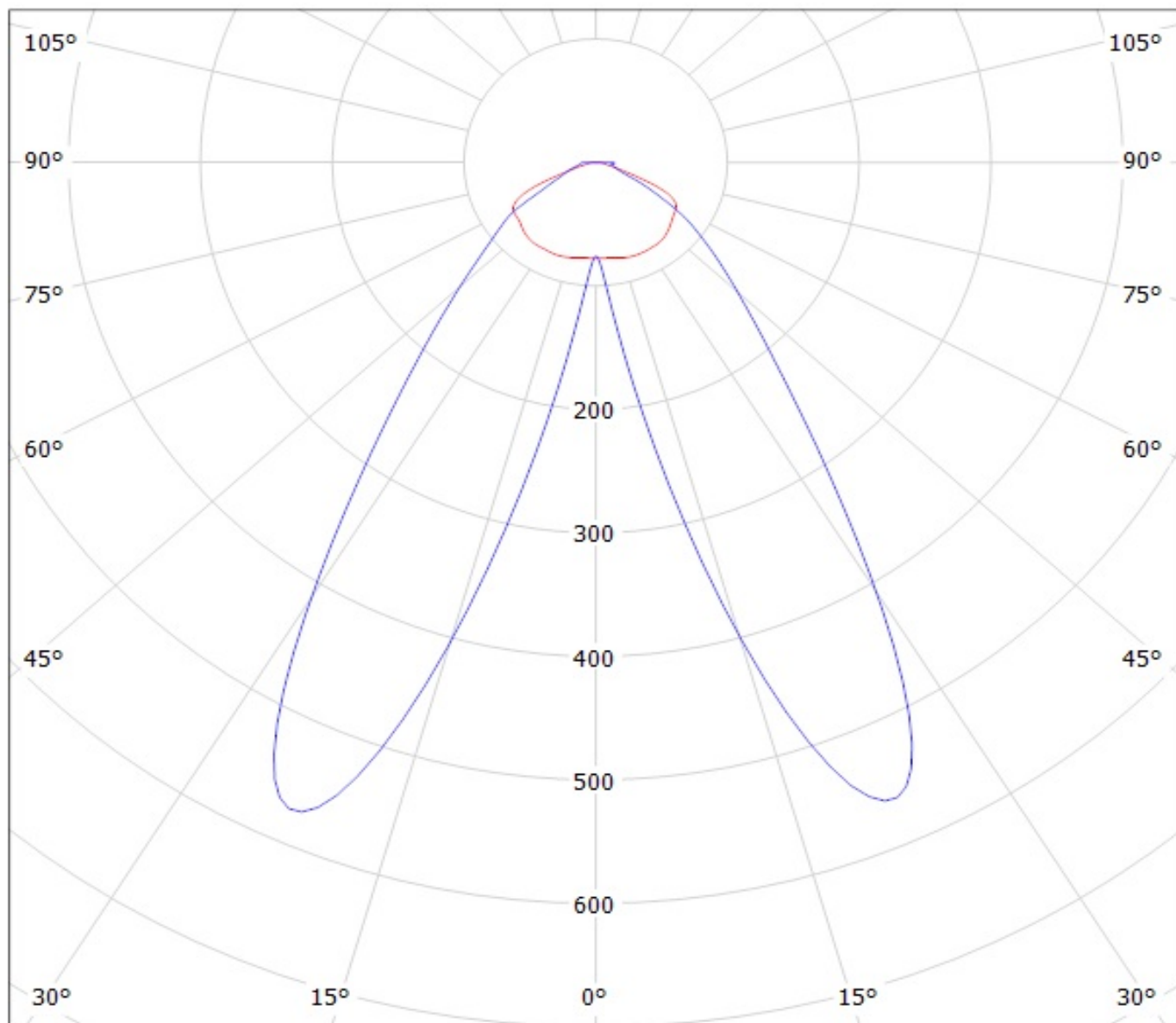
$\eta = 96\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F14170\_FLORENCE-ZT25\_(NT2x757D) Eff: 94%

Lamps: 1 x Nichia\_NT2x757D\_(NT2W757DRT)\_1465.4lm@150mA\_P=9.3849W\_I=0.15A



cd/klm

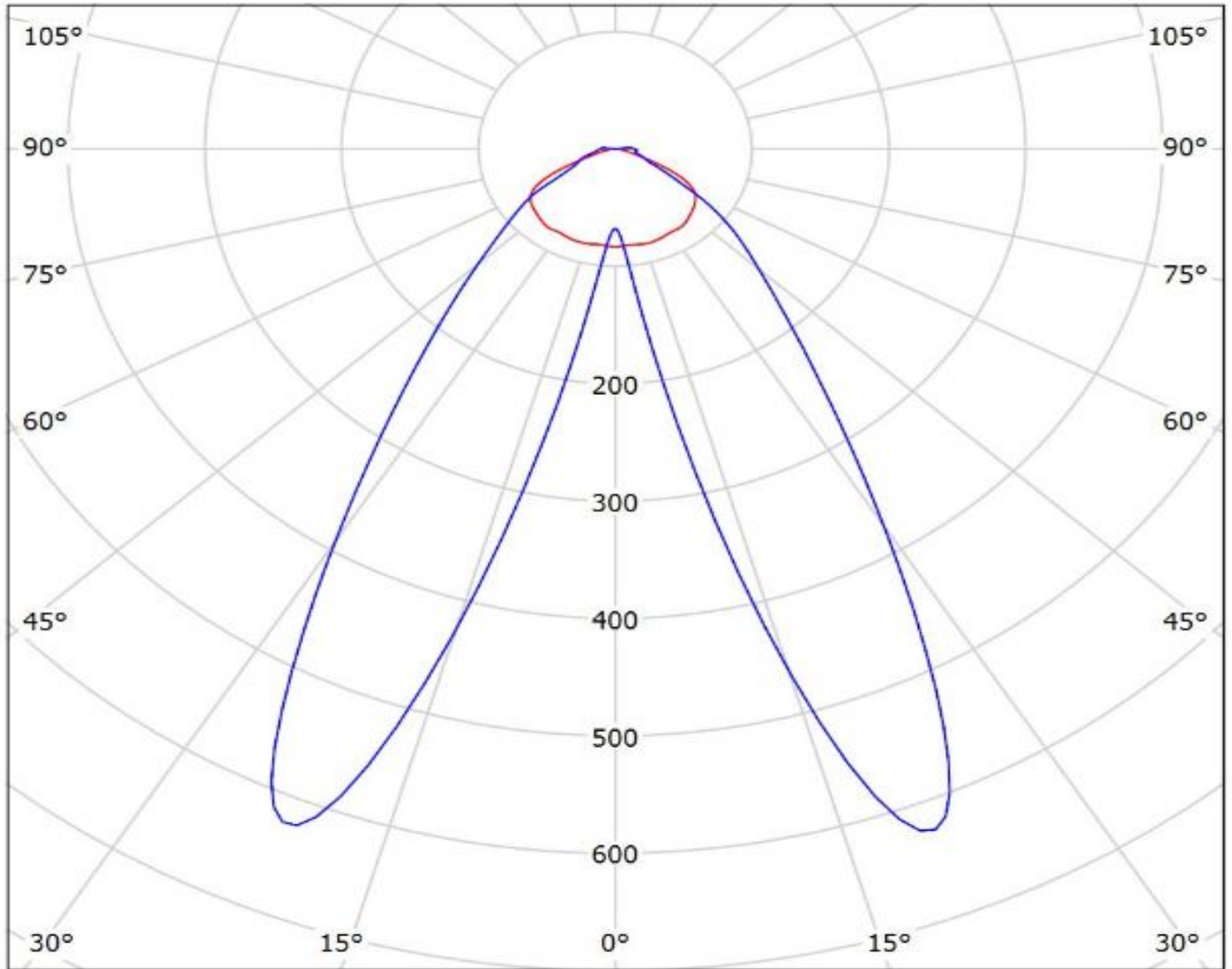
— C0 - C180

— 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



cd/klm

— C0 - C180

— C90 - C270

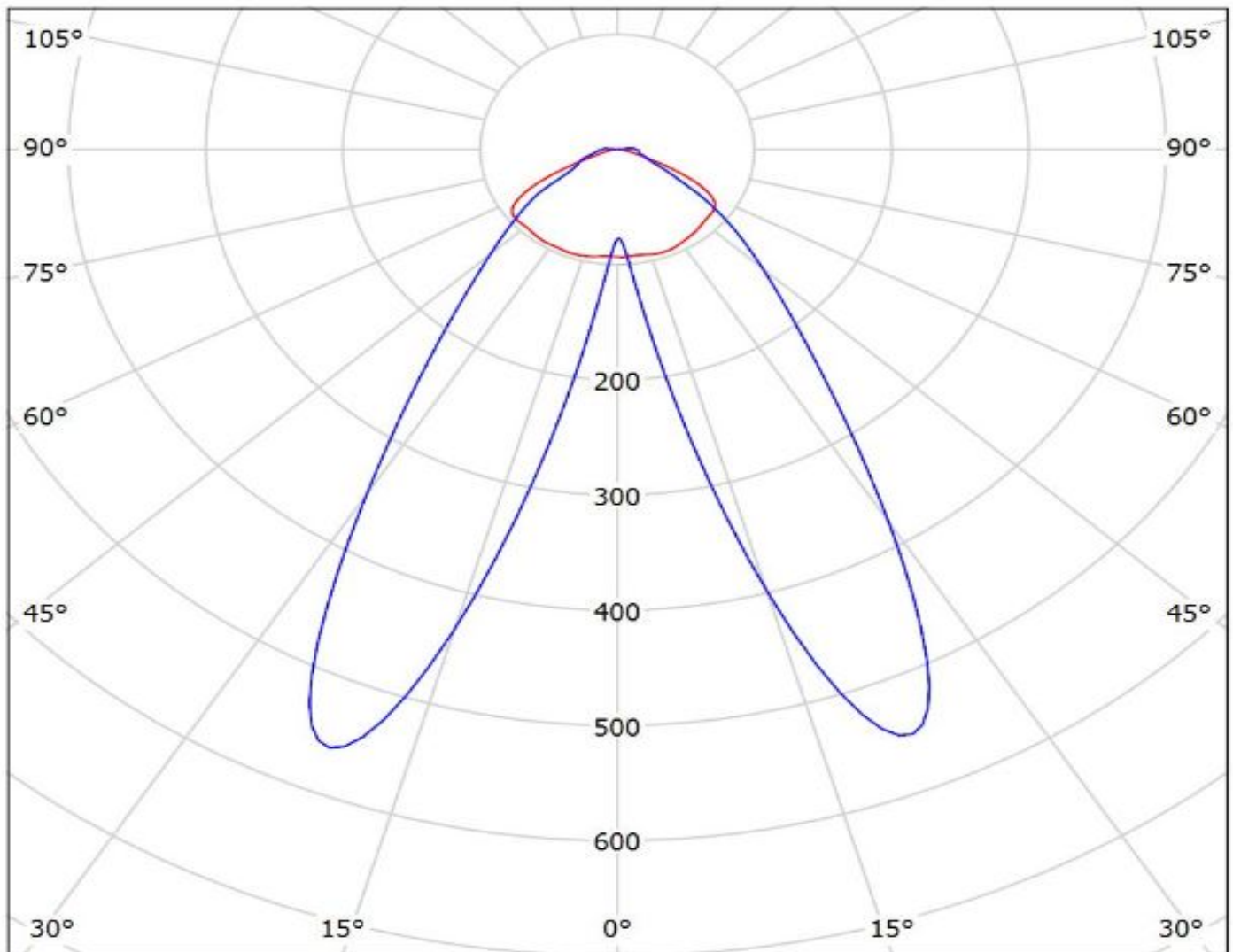
$\eta = 95\%$

# 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

$\eta = 92\%$

**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.**