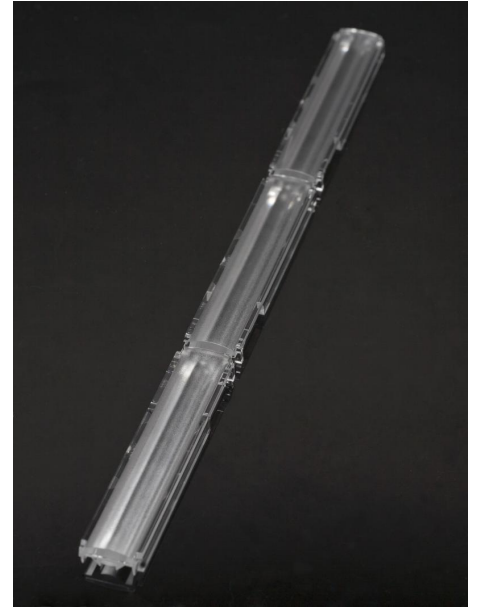


## DETAILS

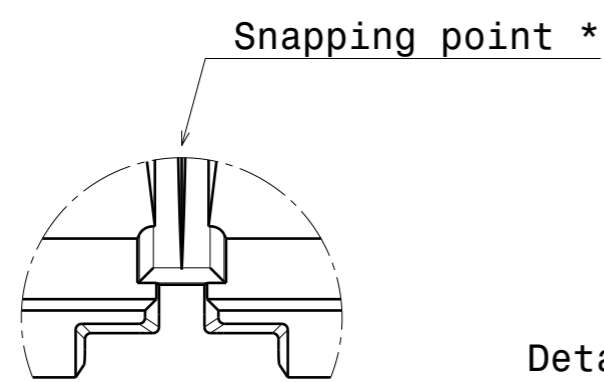
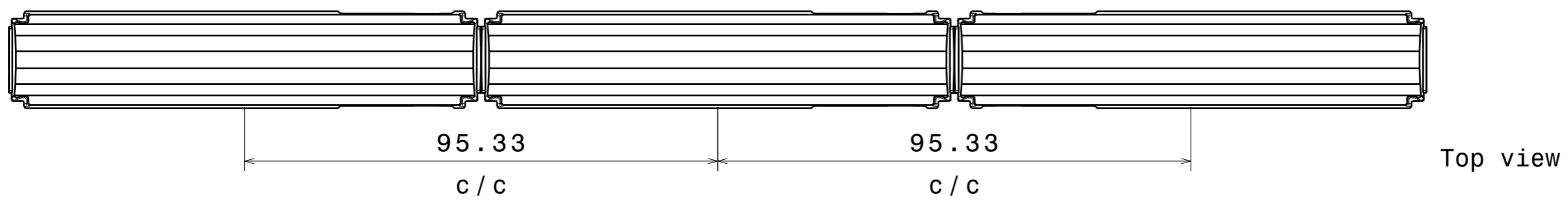
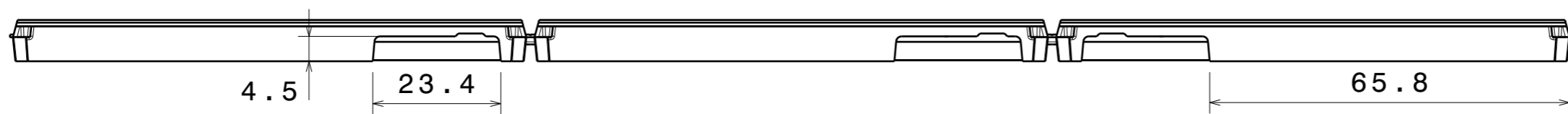
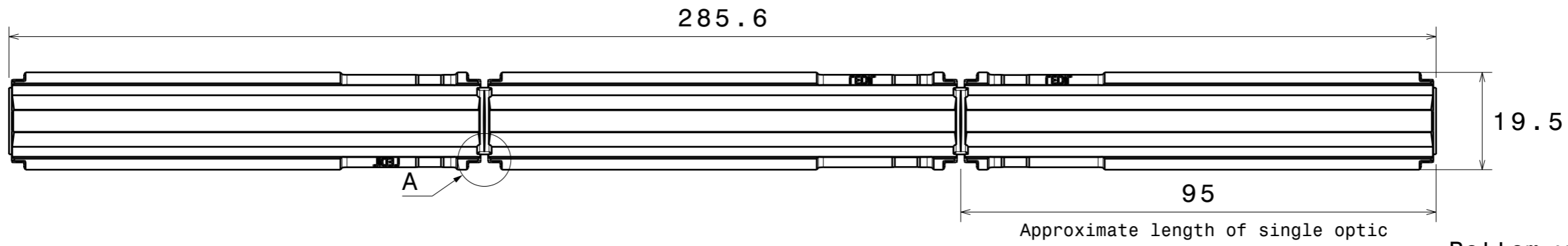
<b>Product Number</b>	F14468_FLORENCE-1R-Z60
<b>Family</b>	Florence
<b>Type</b>	Lens
<b>Color</b>	clear
<b>Diameter</b>	19,5 x 286 mm
<b>Height</b>	7,55 mm
<b>Style</b>	rectang
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	clips
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	13/01/2016



## OPTICAL PROPERTIES

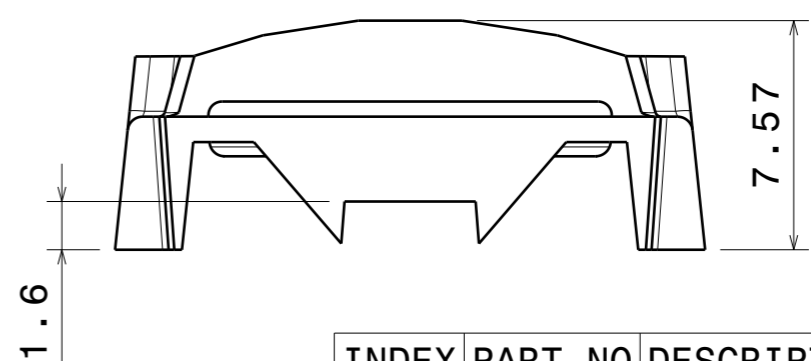
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
L0-280024-xxx-C0800-L267	65+107 deg	Medium	93 %	0.530	-
XH-B/G	63+113 deg	Medium	94 %	0.540	-
LUXEON 3535 2D	60+109 deg	Medium	94 %	0.590	-
LUXEON 3030 2D	57+114 deg	Medium	94 %	0.600	-
LUXEON 3014	59+115 deg	Medium	94 %	0.640	-
LUXEON 3535L	59+110 deg	Medium	94 %	0.620	-
LUXEON 3020	55+117 deg	Medium	94 %	0.660	-
MP-2016	58+115 deg	Medium	94 %	0.630	-
NF2x757D	59+114 deg	Medium	94 %	0.570	-
NF2x757G	56+111 deg	Medium	93 %	0.600	-
Duris S5 (2 chip)	58+114 deg	Medium	94 %	0.590	-
Duris E 2835	sim: 61+107	Medium	sim: 94 %	sim: 0.600	-
Fortimo LED Line 1ft 1100lm xx0 1R xV2546	58+111 deg	Medium	94 %	0.600	-
LM302A	59+111 deg	Medium	94 %	0.600	-
LM561B	59+111 deg	Medium	94 %	0.580	-
LT-S282N	56+112 deg	Medium	94 %	0.620	-
LM301A	56+113 deg	Medium	94 %	0.640	-
LM561C	56+113 deg	Medium	94 %	0.630	-
LM28xB Series	57+113 deg	Medium	94 %	0.620	-
SEOUL 3030	59+111 deg	Medium	94 %	0.600	-
CALGD0414-M8W1	58+121 deg	Medium	94 %	0.550	-
CALGD0814-M17W1	57+118 deg	Medium	92 %	0.550	-

H G F E D C B A



Detail A  
Scale 4:1

\* Optics can be snapped along this line and used also as single parts.



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F14468	FLORENCE-1R-Z60	PMMA	

**LEDiL** LediL Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

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:

DRAWING TITLE  
**F14468\_FLORENCE-1R-Z60**

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

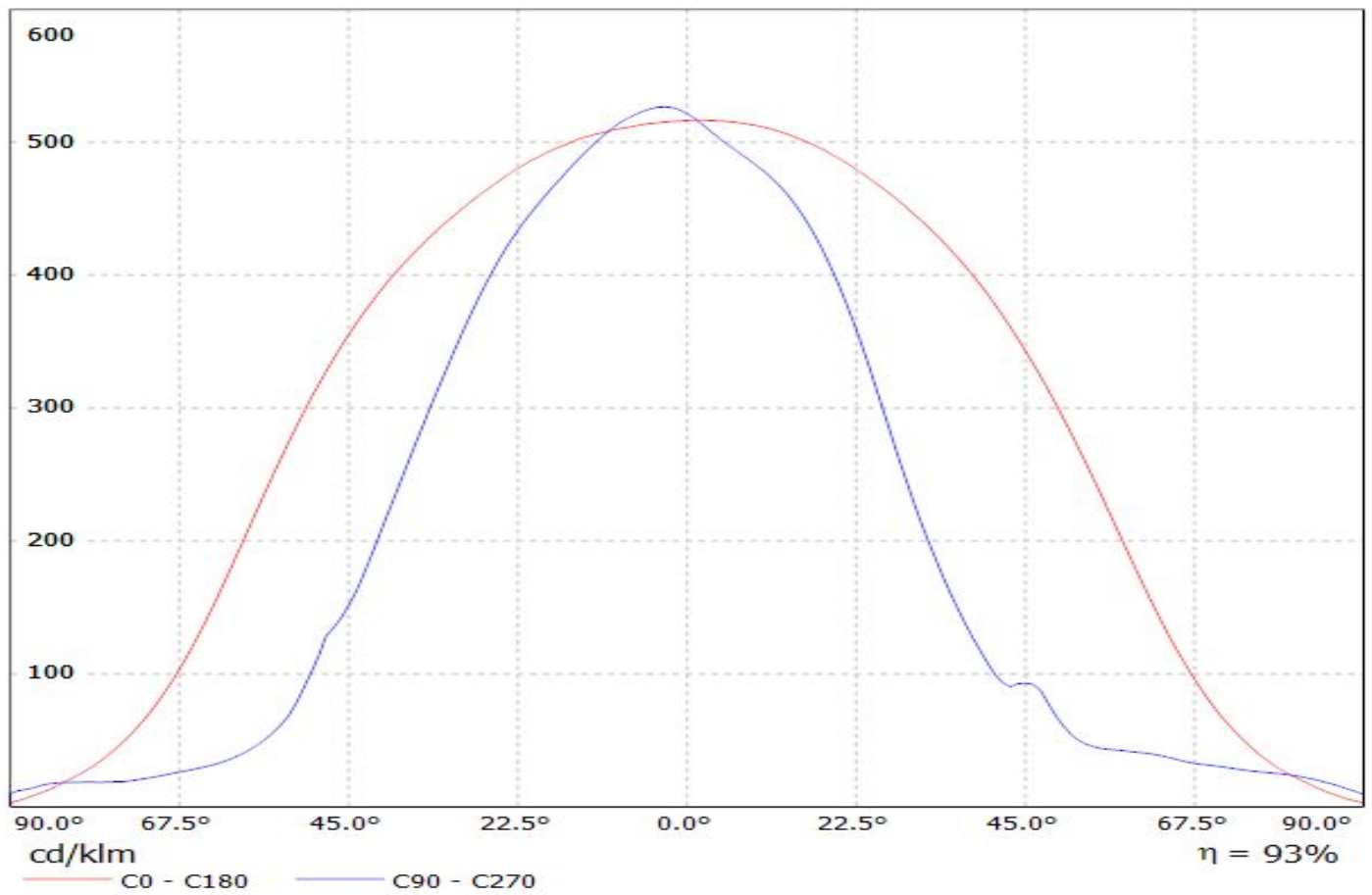
SIZE	PART NUMBER
<b>A3</b>	<b>F14468</b>

SCALE	1:1	SHEET	1/1
-------	-----	-------	-----

H G B A

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(CeZos)

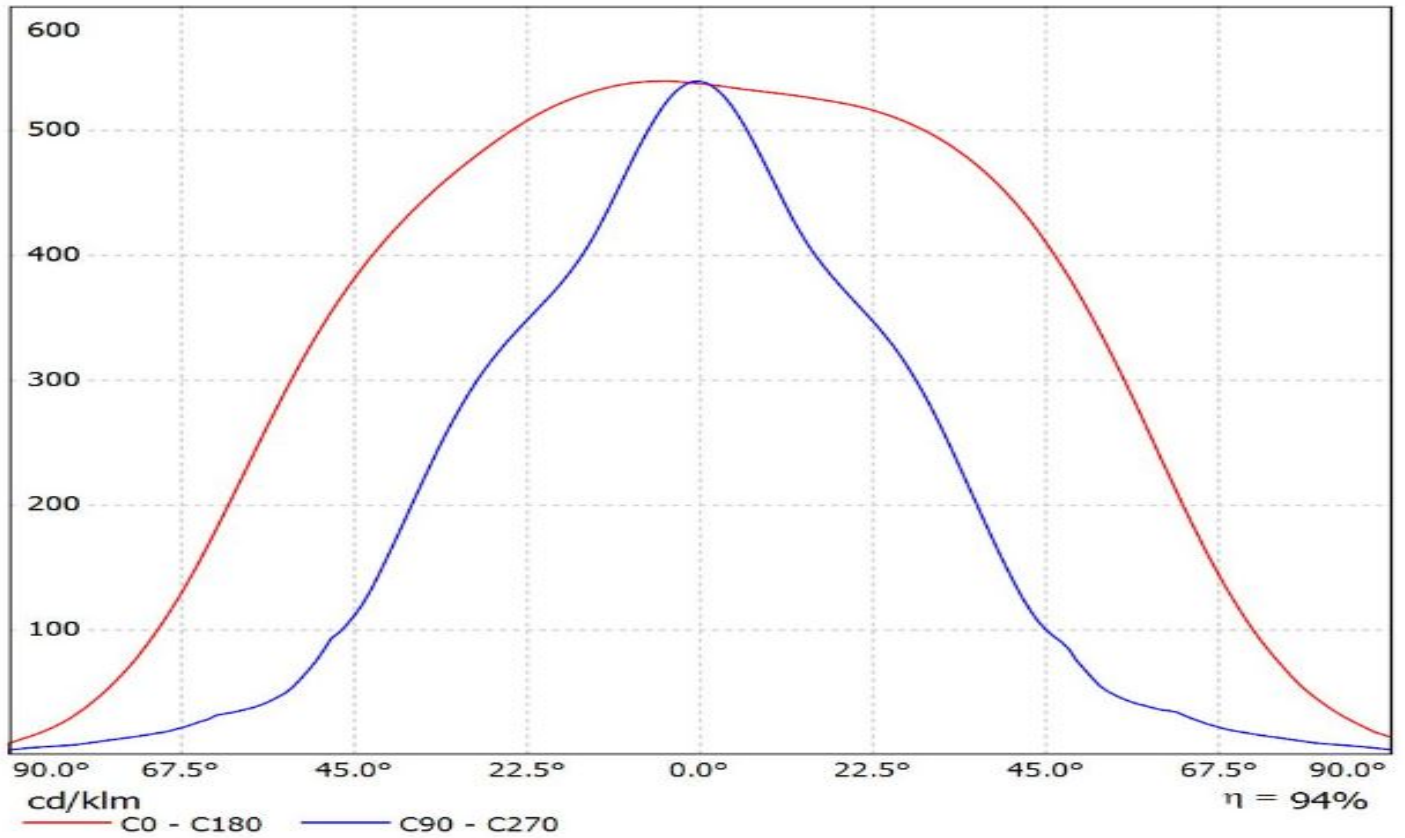
Lamps: 1 x CeZos\_(L0-280024-xxx-C0800-L267)\_1346.29lm@250mA\_CCT=3000K\_P=8.5017W\_I=0.25A



# Ledil F14468\_FLORENCE-1R-Z60\_(XH-B) / LDC (Linear)

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(XH-B)

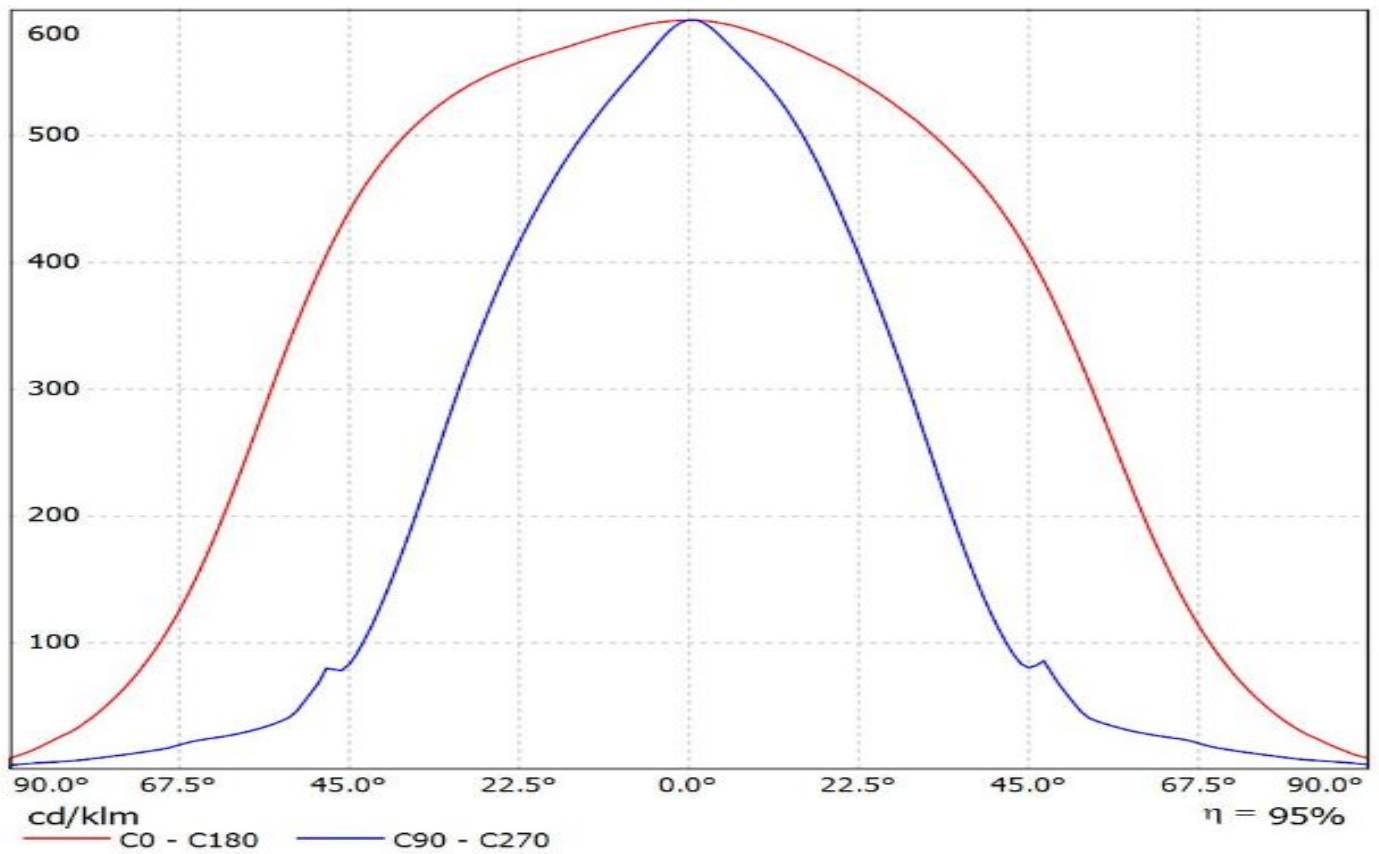
Lamps: 1 x Cree\_XH-B\_x22\_(XHBAWT-0-7B4-J20-0H-0001)\_315.848lm@65mA\_P=2.11W\_I=65mA



# Ledil F14468\_FLORENCE-1R-Z60\_(Luxeon\_3535\_2D) / LDC (Linear)

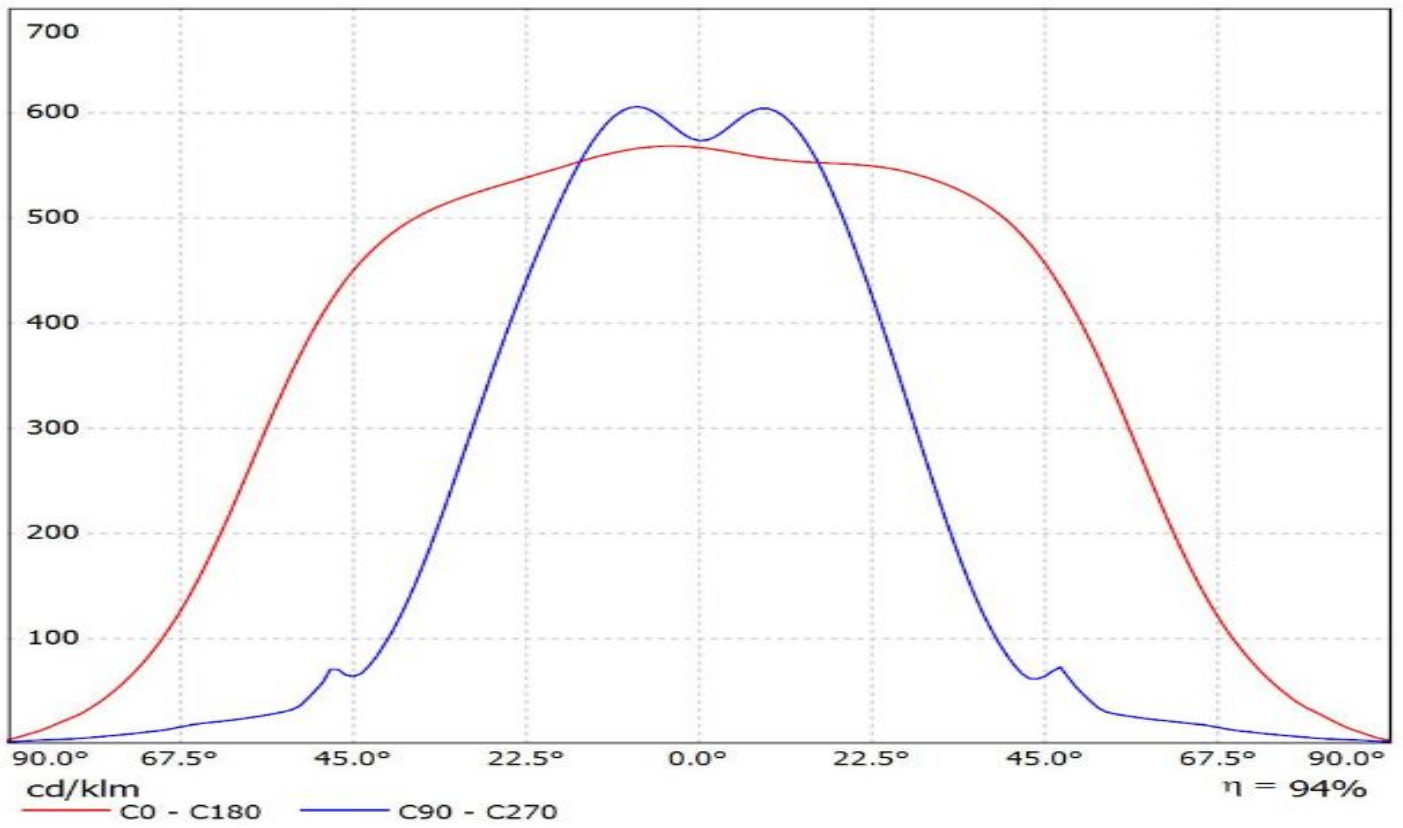
Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(Luxeon\_3535\_2D)

Lamps: 1 x Luxeon\_3535\_2D\_x22\_(MXC8\_4000K)\_910.245lm@100mA\_CCT=4000K\_P=6.32W\_I=0.1A



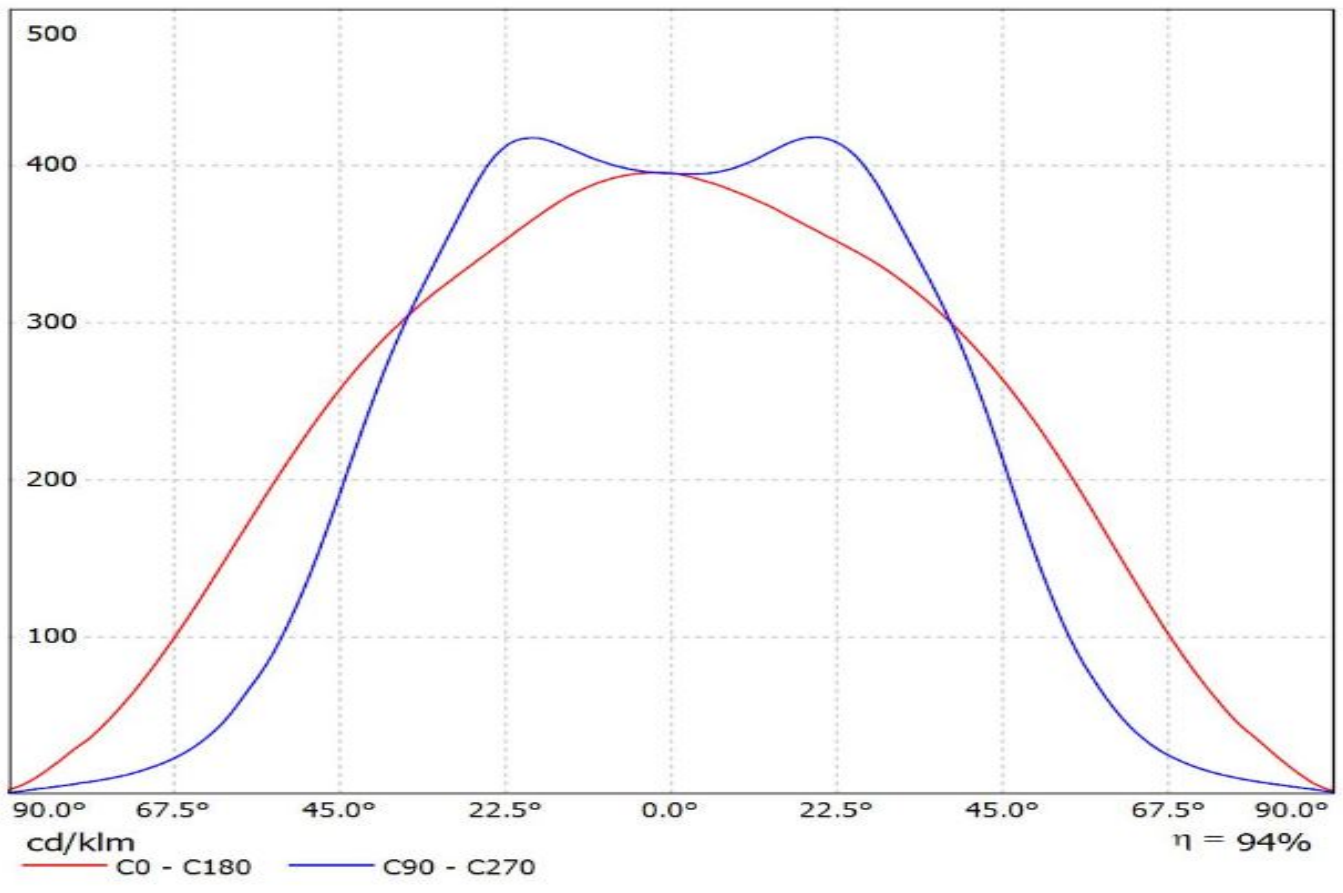
# Ledil F14468\_FLORENCE-1R-Z60\_(Luxeon\_3030\_2D) / LDC (Linear)

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(Luxeon\_3030\_2D)  
Lamps: 1 x Luxeon\_3030\_2D\_x22\_(L130-4080003000W21)  
\_1601.44lm@200mA\_CCT=4000K\_P=12.8W\_I=0.2A



Luminaire: Ledil F14304\_FLORENCE-1R-Z90\_(3014\_x22)

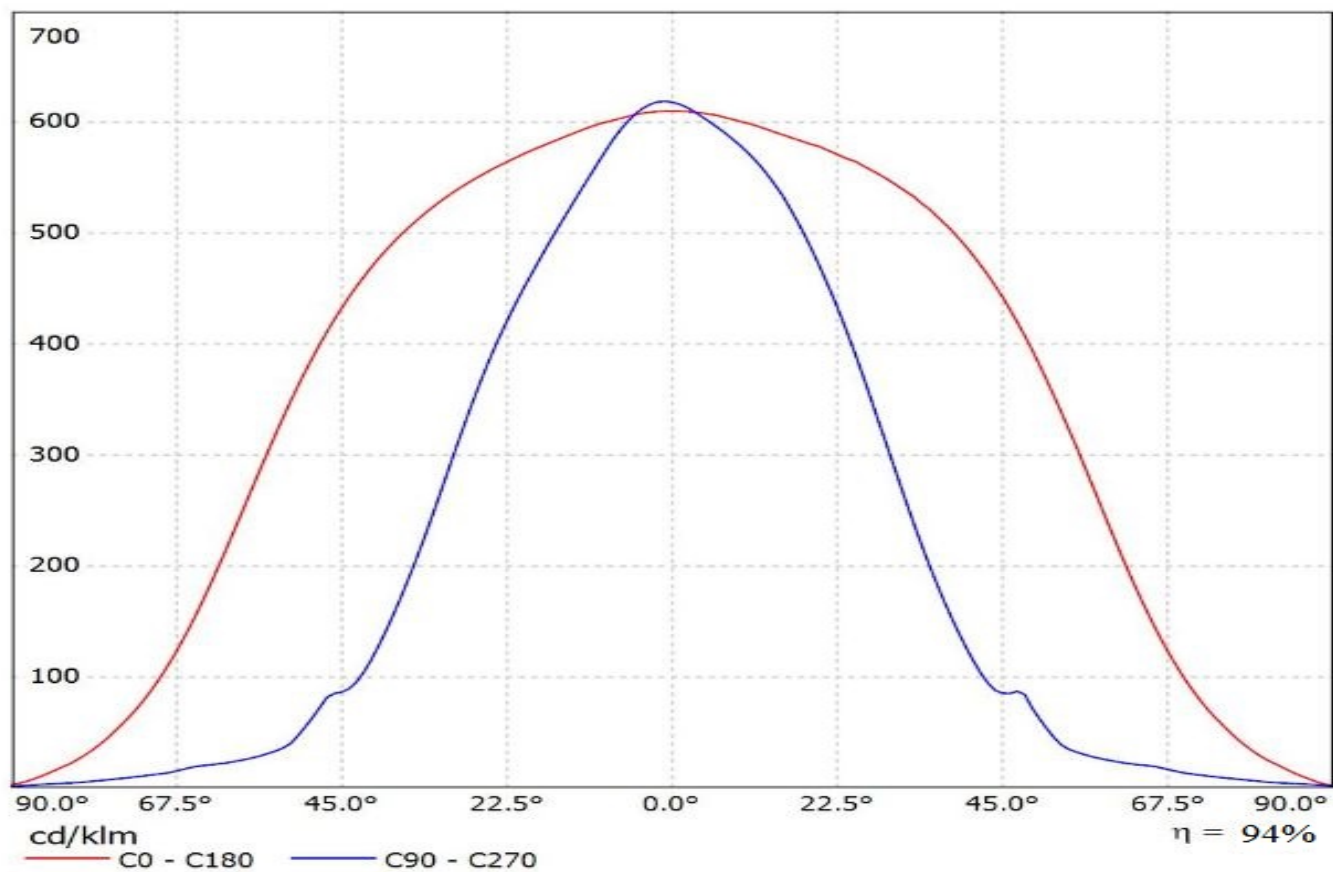
Lamps: 1 x Luxeon\_3014\_x22\_(L130-5080)\_282.652lm@60mA\_P=1.9076W\_I=0.060mA





Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(3535L\_x22)

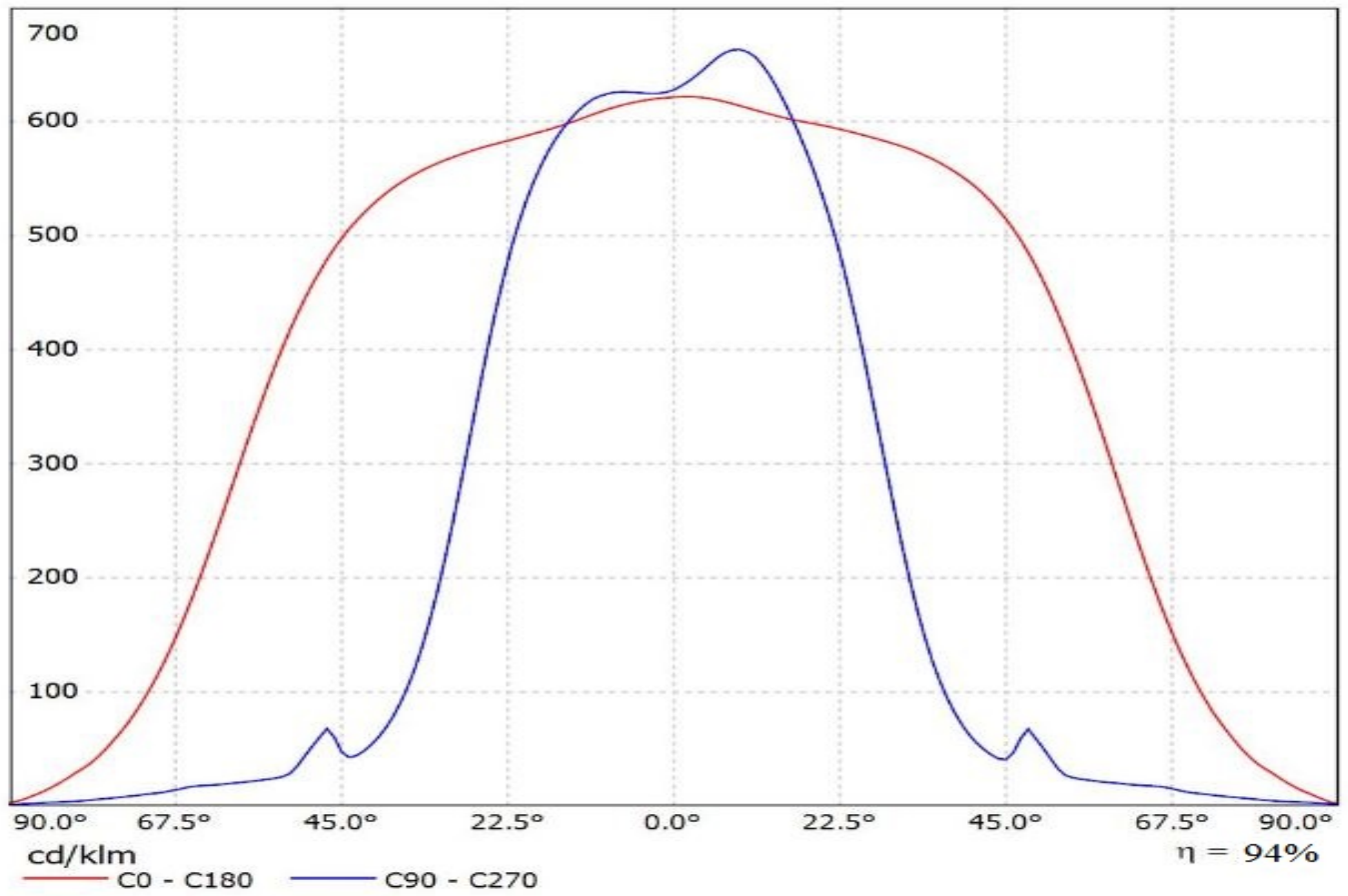
Lamps: 1 x Luxeon\_3535L\_x22\_(MXA8-PW50)\_507.681lm@100mA\_P=2.9953W\_I=0.100mA





Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(3020)

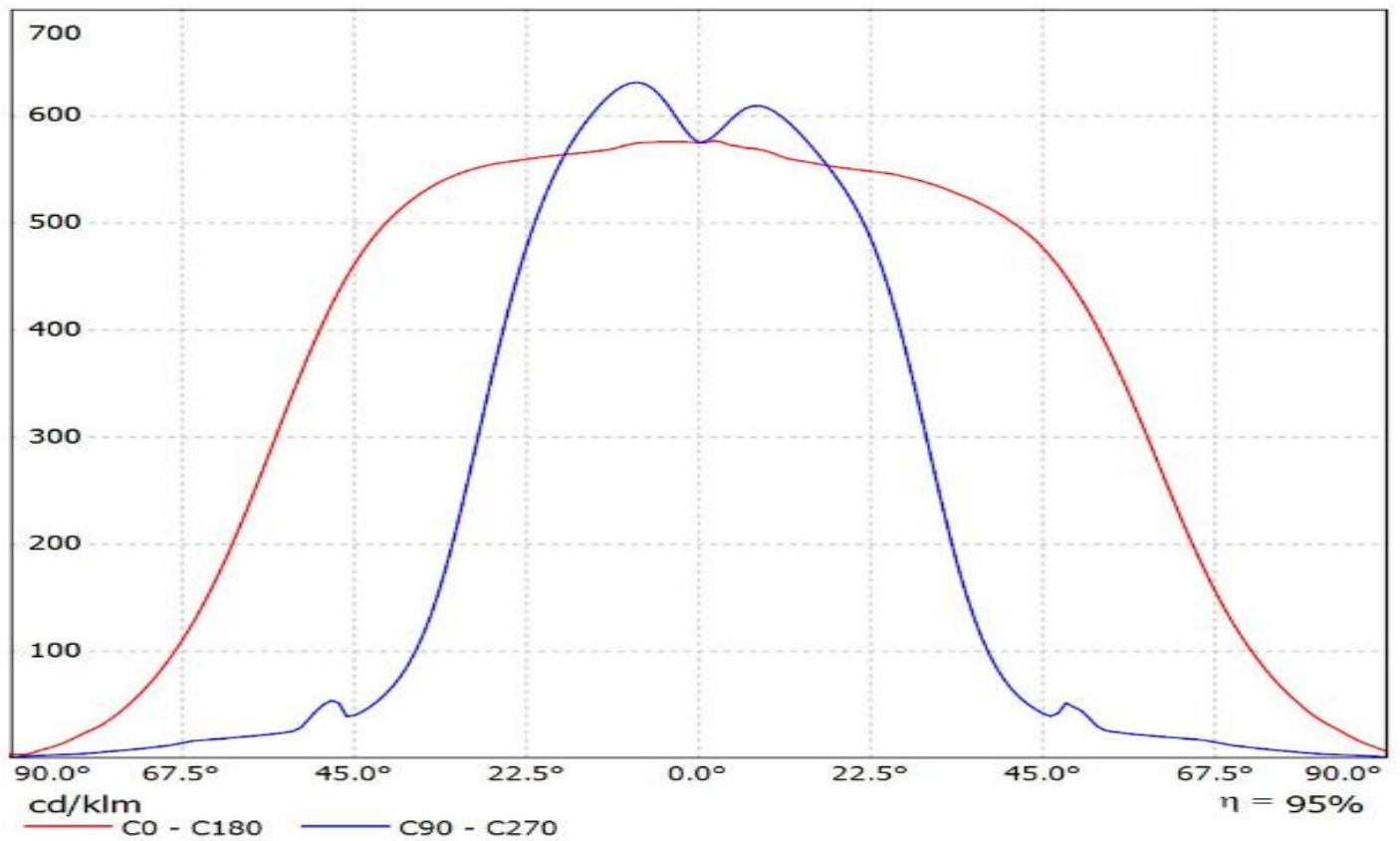
Lamps: 1 x Luxeon\_3020\_x22\_(L130-2780)\_488.066lm@120mA\_P=3.7731W\_I=0.120mA



# Ledil F14468\_FLORENCE-1R-Z60\_(Luminus\_MP-2016) / LDC (Linear)

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(Luminus\_MP-2016)

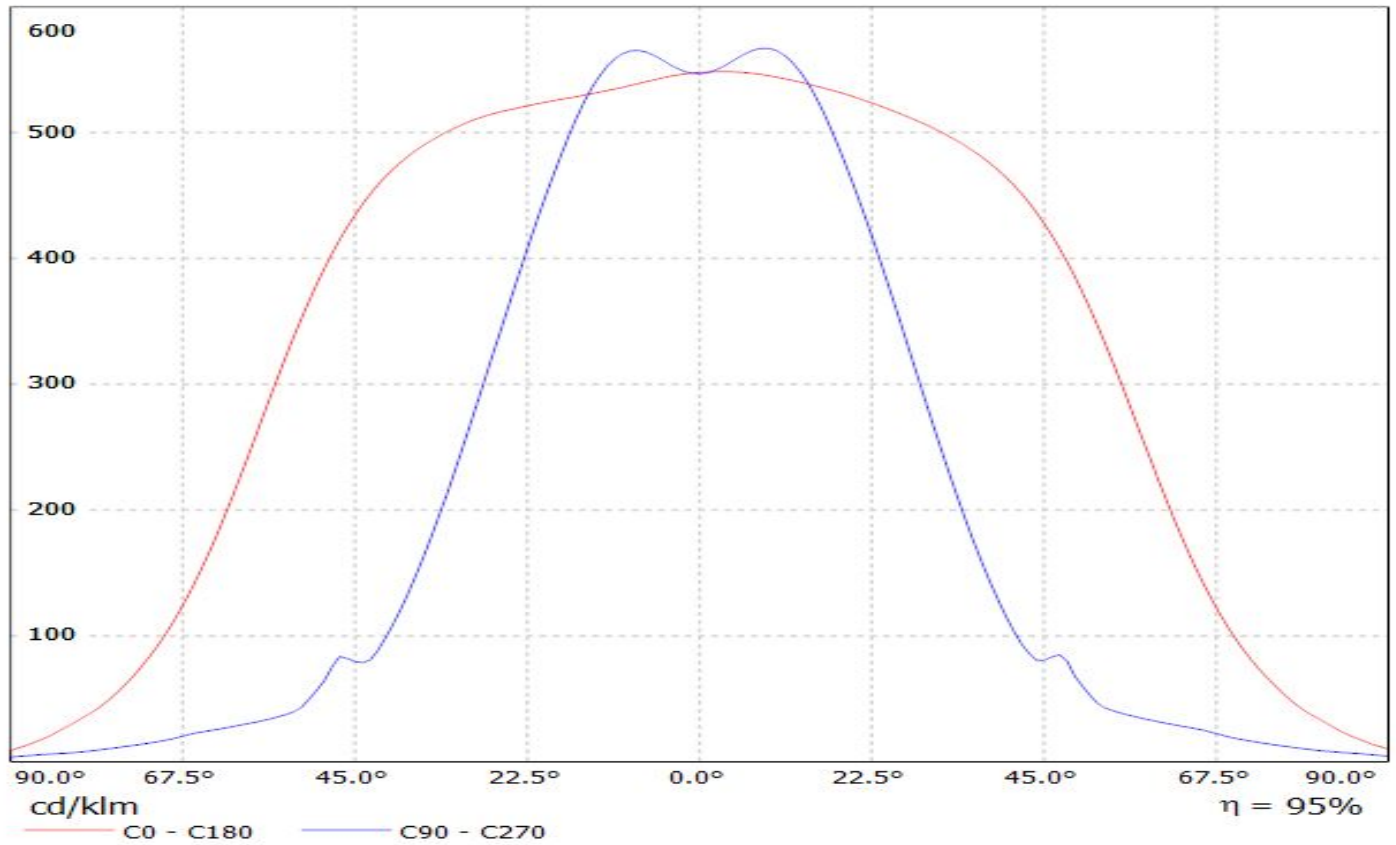
Lamps: 1 x Luminus\_MP-2016\_1x22\_(LUMMP-1100-30-80)\_471.904lm@120mA\_P=4W\_I=0.12A



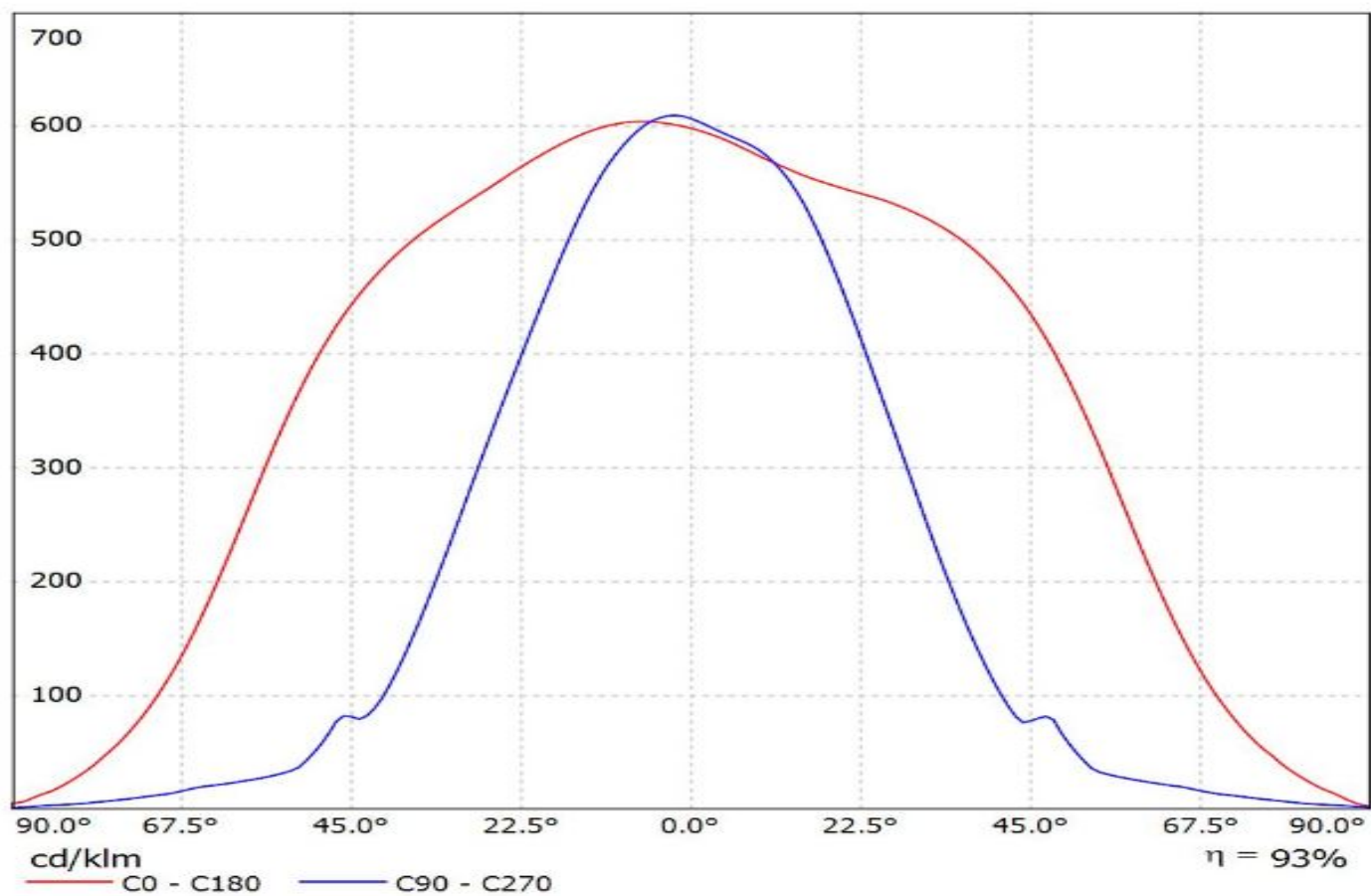
# Ledil F14468\_FLORENCE-1R-Z60\_(NF2x757D) / LDC (Linear)

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(NF2x757D)

Lamps: 1 x Nichia\_NF2x757D\_2chip\_x22 (NF2W757DRT)\_2050.61lm@200mA\_P=12.95W\_I=0.2A

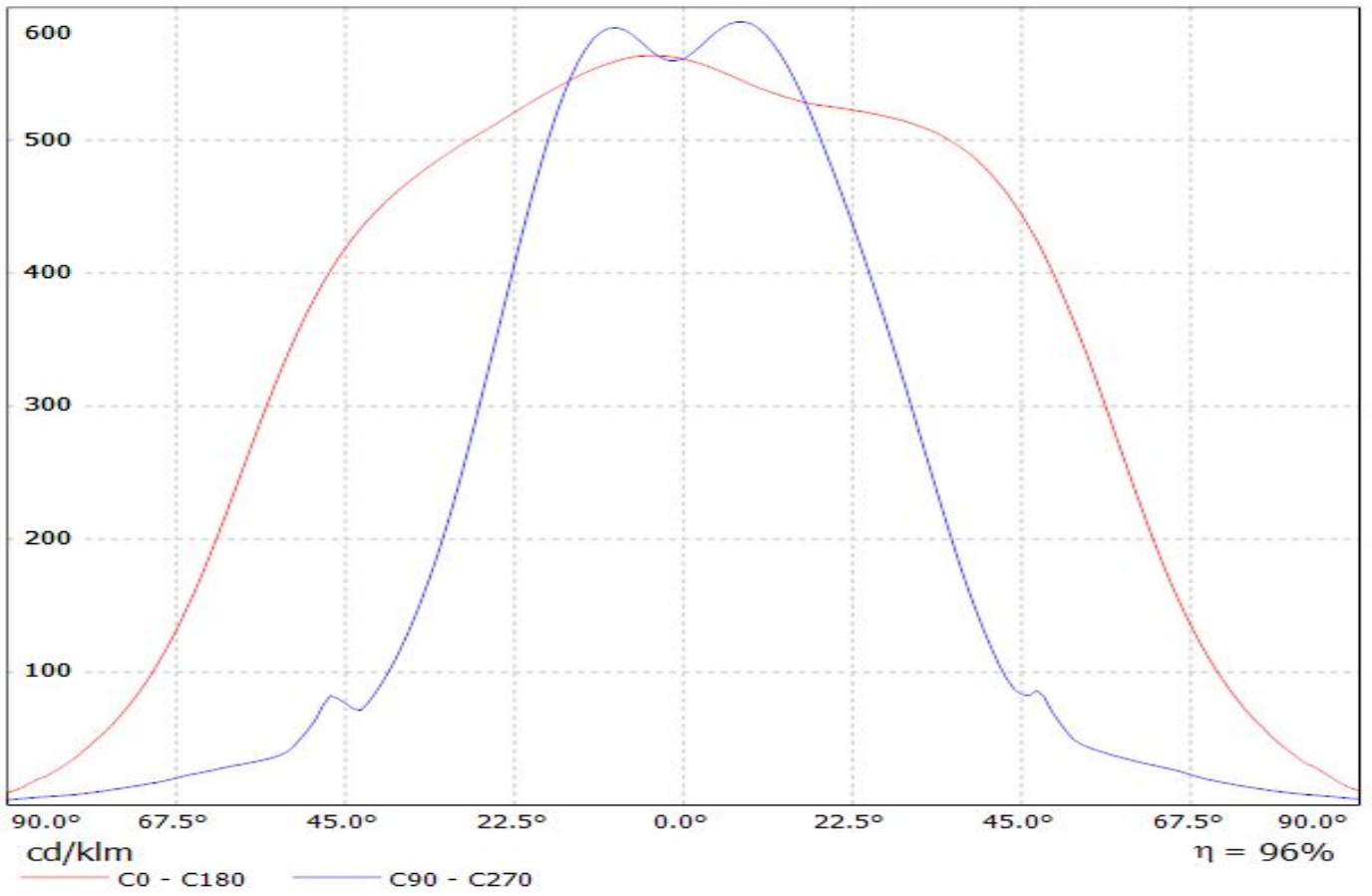


Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(NF2W757G)  
Lamps: 1 x NF2W757G\_378.284lm@65mA\_CCT=?K\_P=1.97W\_I=0.065A

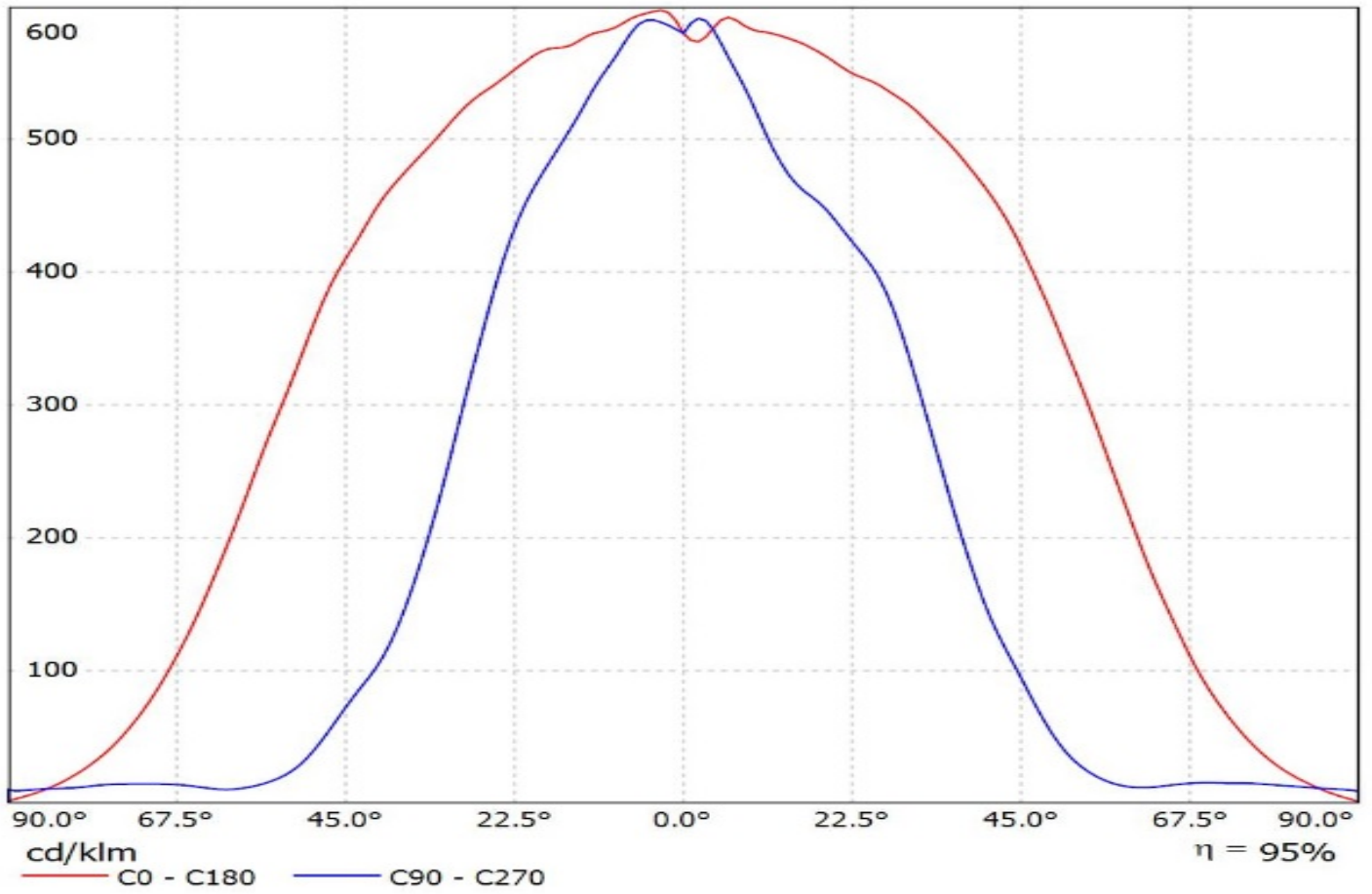


Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(Duris\_S5)

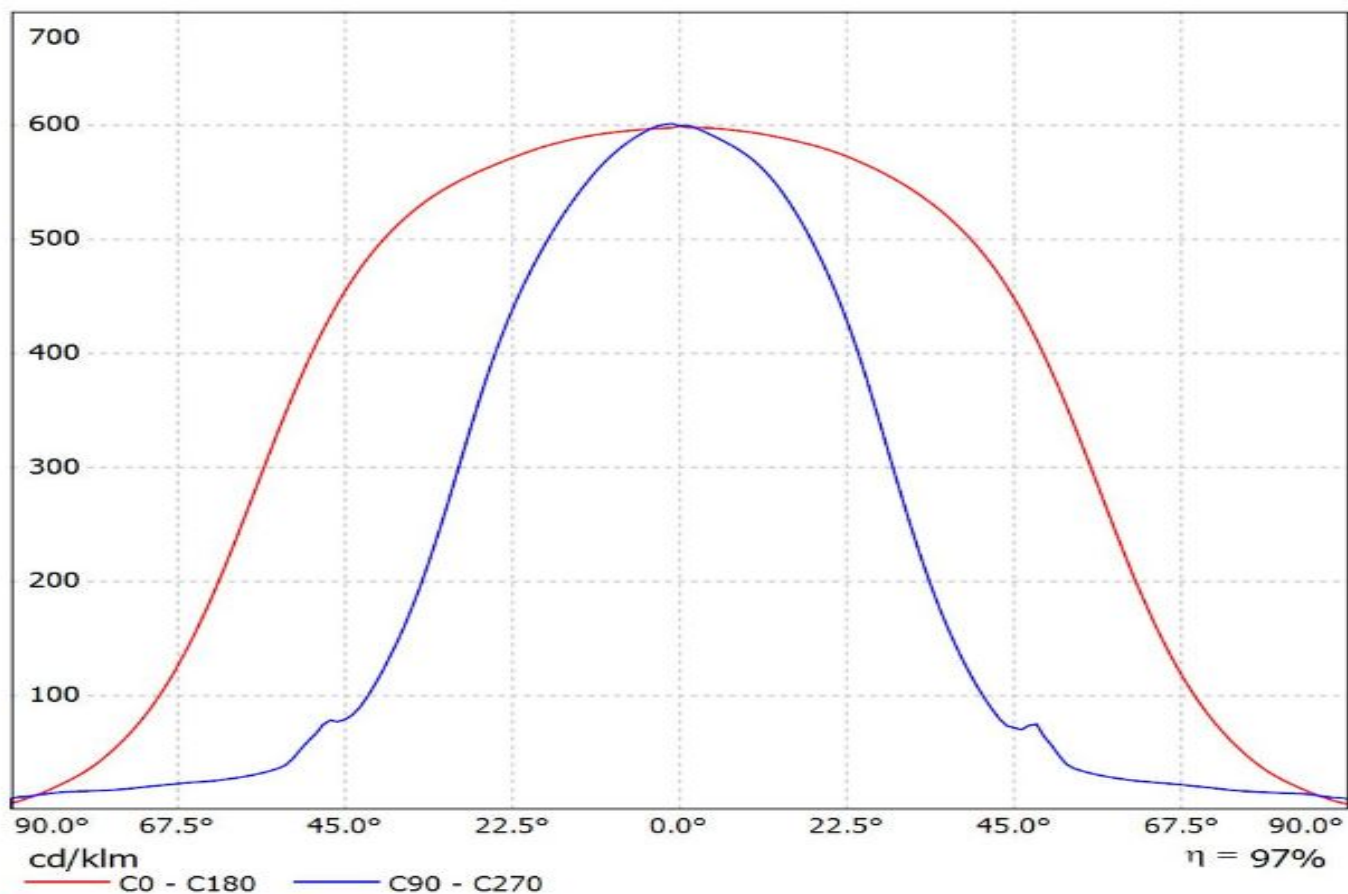
Lamps: 1 x Osram\_Duris\_S5\_(GW\_PSLRS1.EC-LQLS-5H7I-1)\_993.467lm@100mA\_P=8W\_I=0.1000A



Luminaire: Ledil Oy F14468\_FLORENCE-1R-Z60\_(Duris\_E\_2835)\_SIMULATED  
Lamps: 1 x Osram Duris E 2835 - GW JTLRS1.EM

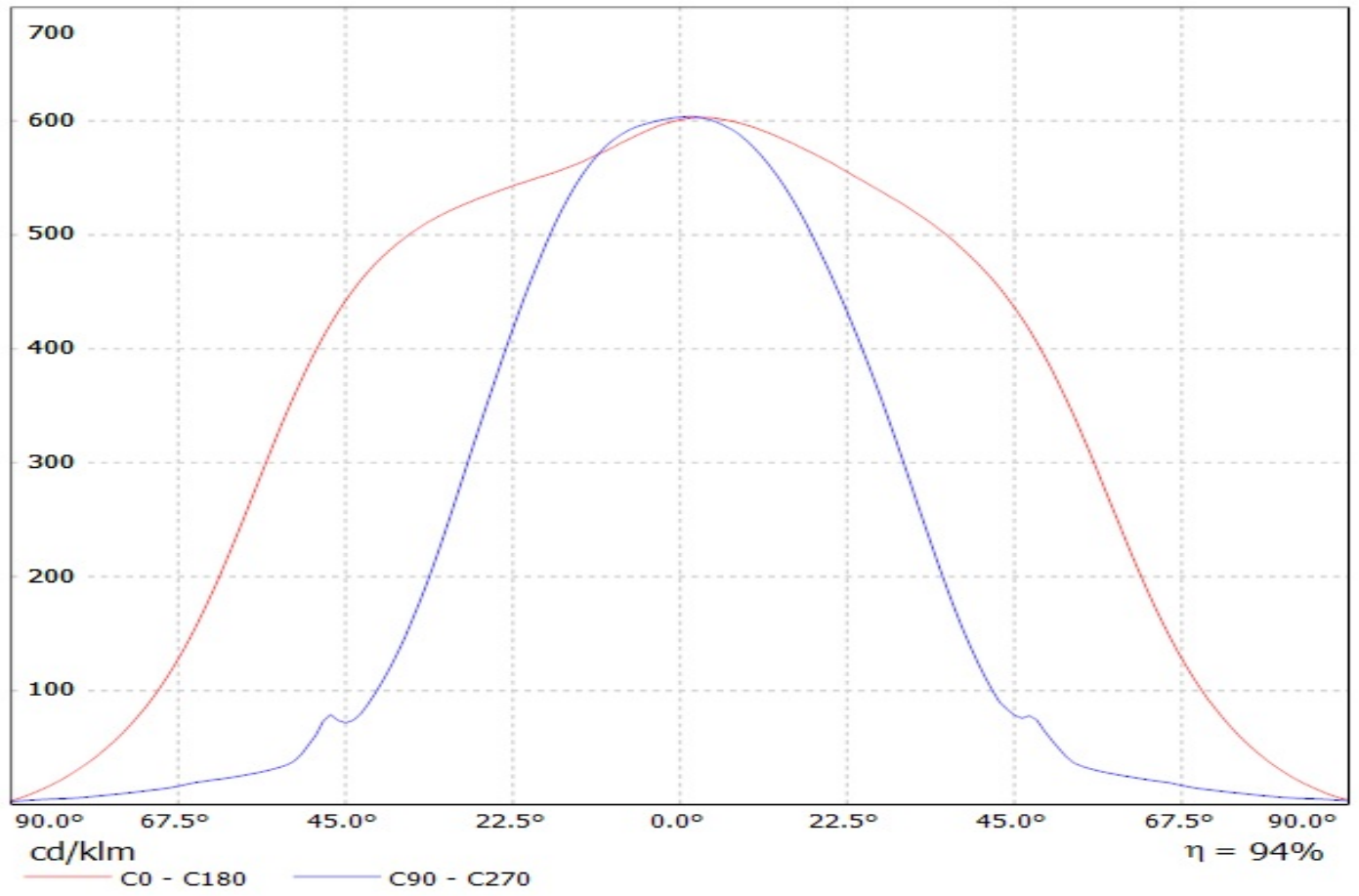


Luminaire: LEDiL Oy F14468\_FLORENCE-1R-Z60 (Fortimo\_LED\_Line\_1ft\_1100lm\_840\_1R\_LV2)\_Cav4  
Lamps: 1 x Fortimo\_LED\_Line\_1ft\_1100lm\_840\_1R\_LV2\_1062.24lm@250mA\_P=8.02208W\_I=249.8mA





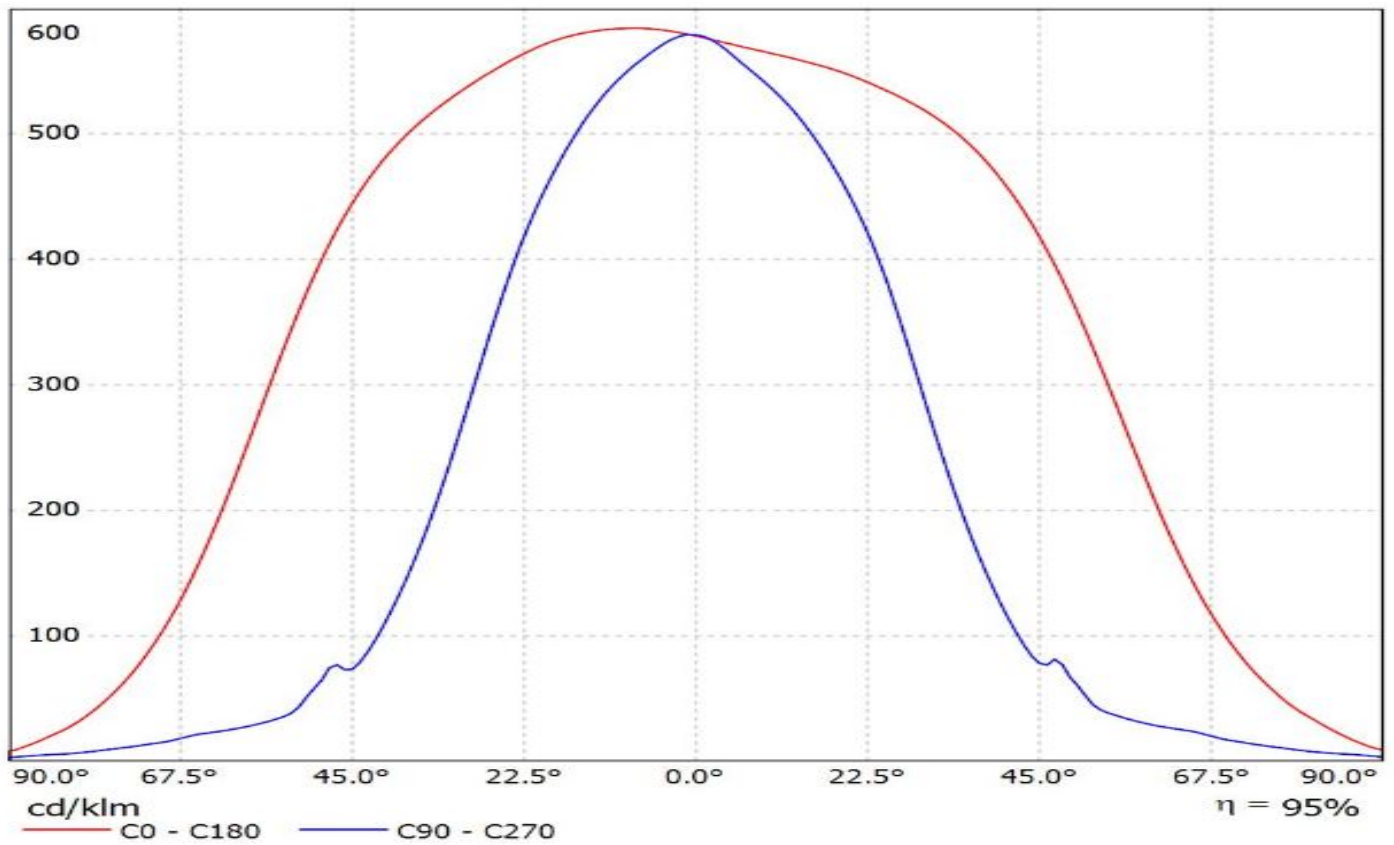
Luminaire: LEDiL Oy F14468\_FLORENCE-1R-Z60\_(LM302A)  
Lamps: 1 x Samsung\_LM302A\_865.46lm@100mA\_P=6.64694W\_I=0.1001A



# Ledil F14468\_FLORENCE-1R-Z60\_(LM561B) / LDC (Linear)

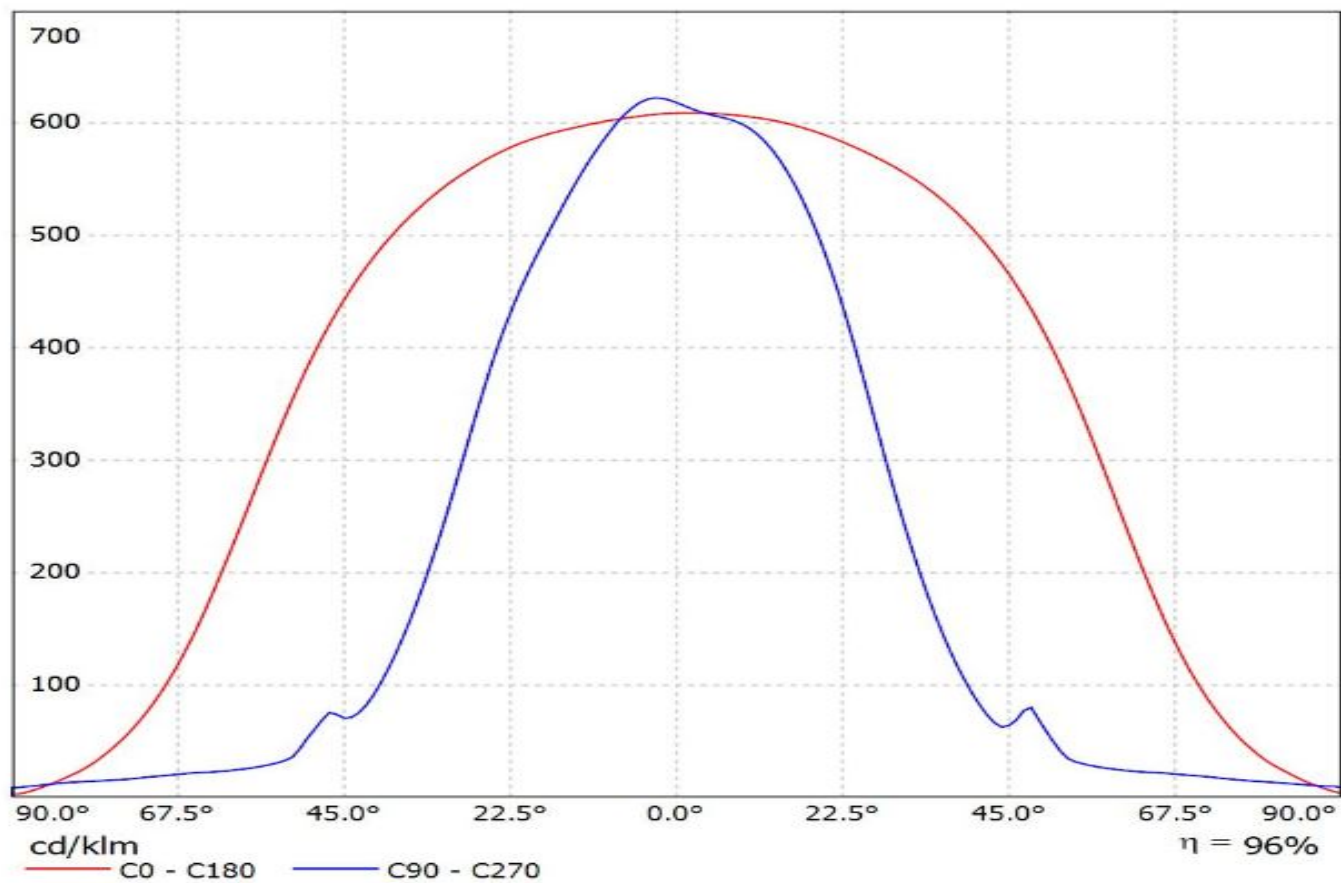
Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(LM561B)

Lamps: 1 x Samsung\_LM561B\_x22\_348.84lm@65mA\_P=1.97W\_I=65mA



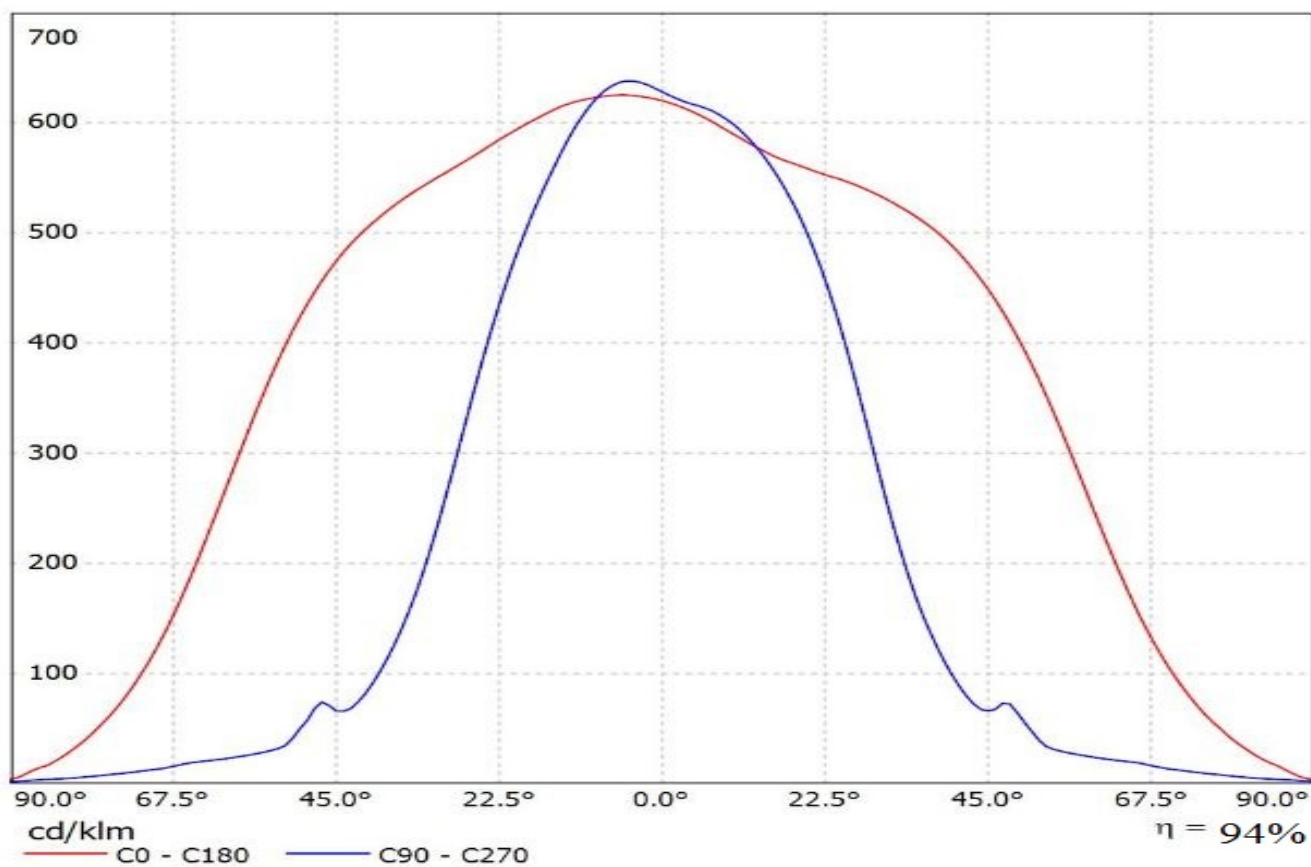
Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(LT-S282N)

Lamps: 1 x Samsung SI-B8T071280LD\_LM5618+\_1401.55lm@250mA\_P=9.185W\_I=0.25A

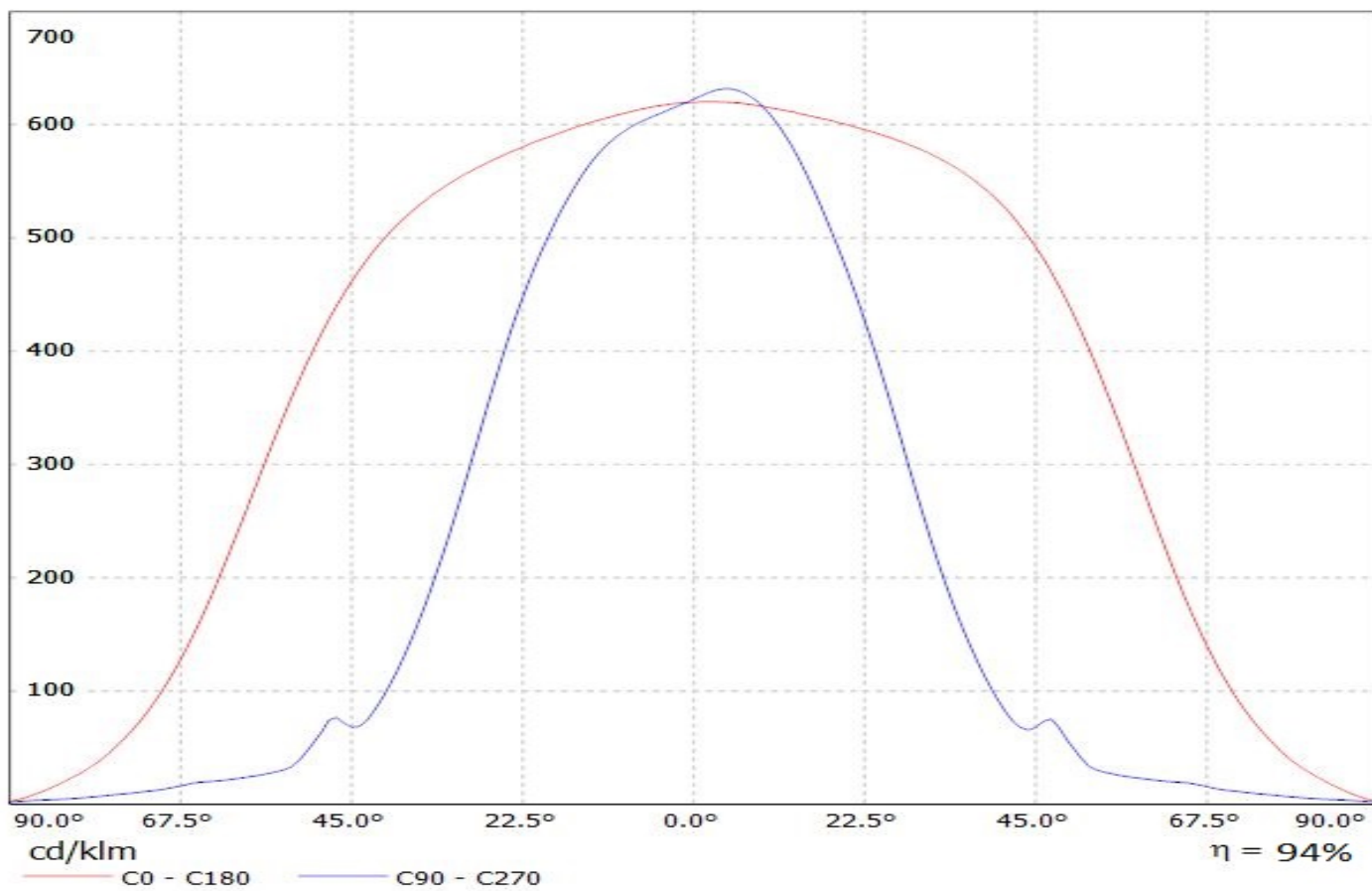


Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(LM301A)

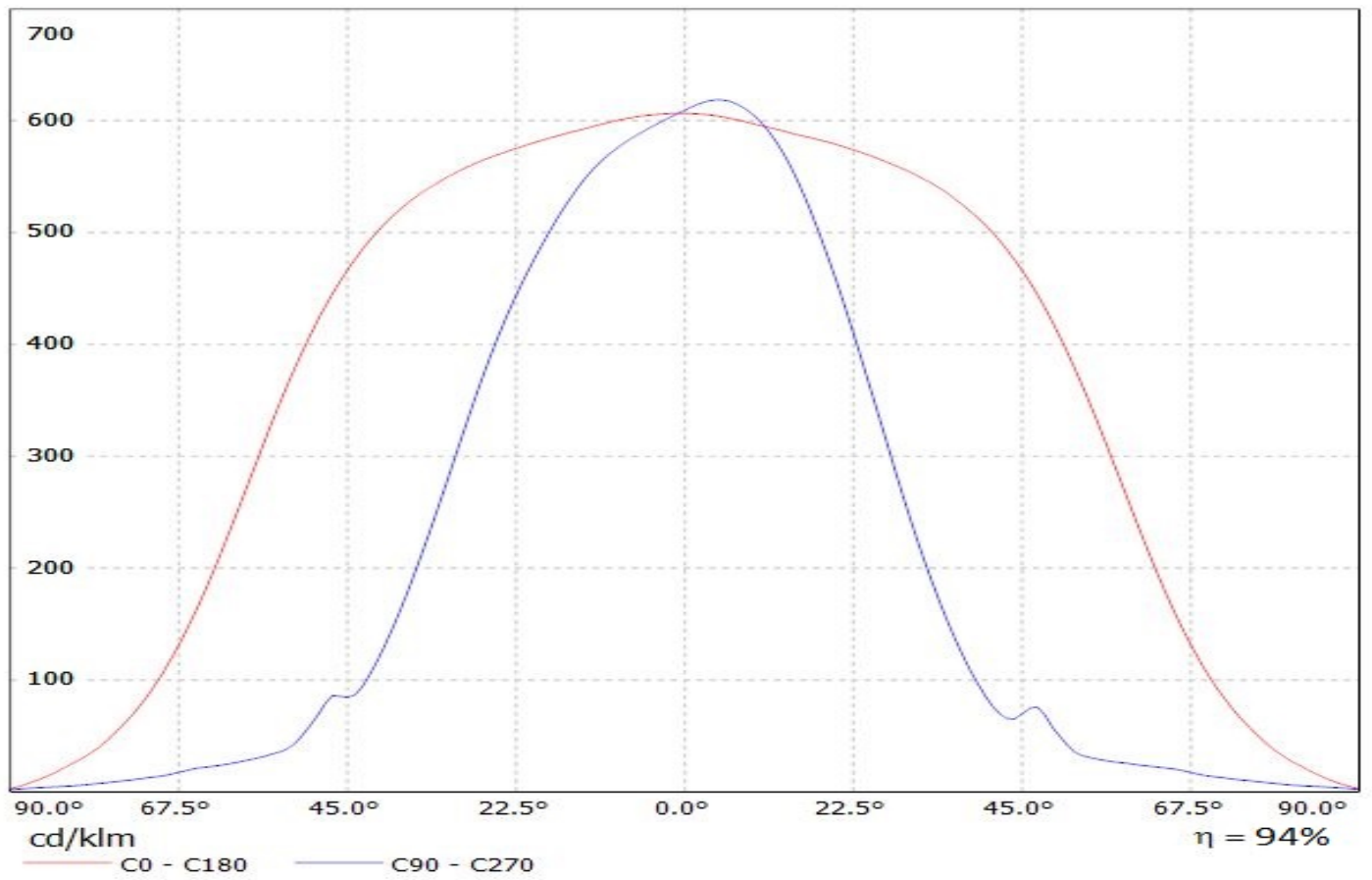
Lamps: 1 x Samsung\_LM301A\_x11\_(SPMWHT328FD5WAT0S0)\_1087.4lm@250mA\_P=8.1922W\_I=0.25A



Luminaire: LEDiL Oy F14468\_FLORENCE-1R-Z60\_(LM561C)  
Lamps: 1 x Samsung\_LM561C\_688.201lm@130mA\_P=3.9390W\_I=0.130A



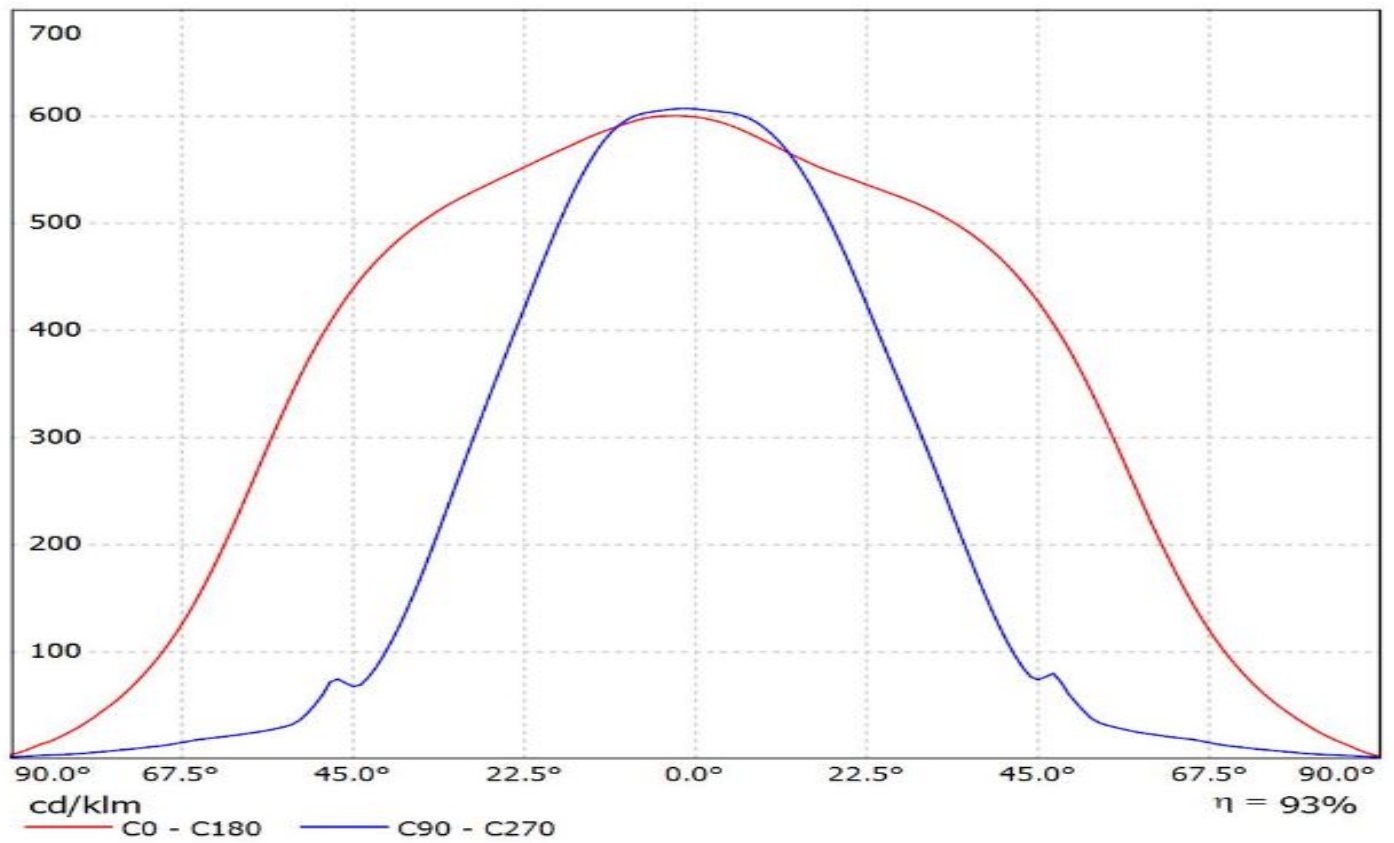
Luminaire: LEDiL Oy F14468\_FLORENCE-1R-Z60\_(LM281B)  
Lamps: 1 x Samsung\_LM281B\_1309.14lm@300mA\_P=10.244W\_I=0.300A



# Ledil F14468\_FLORENCE-1R-Z60\_(Seoul\_3030) / LDC (Linear)

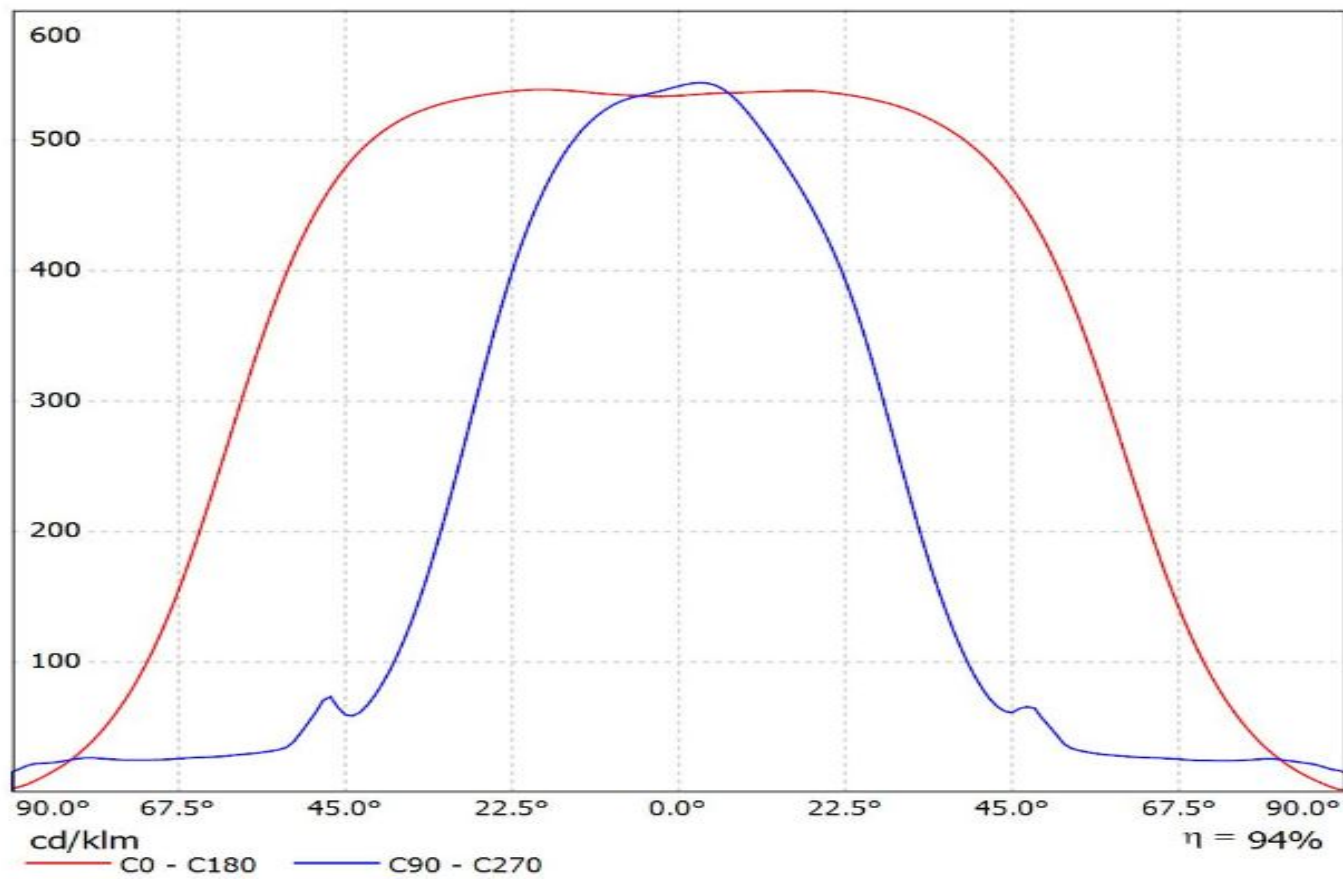
Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(Seoul\_3030)

Lamps: 1 x Seoul\_3030\_x11\_(STW8C2SA)\_785.296lm@100mA\_P=6.5W\_I=0.1A



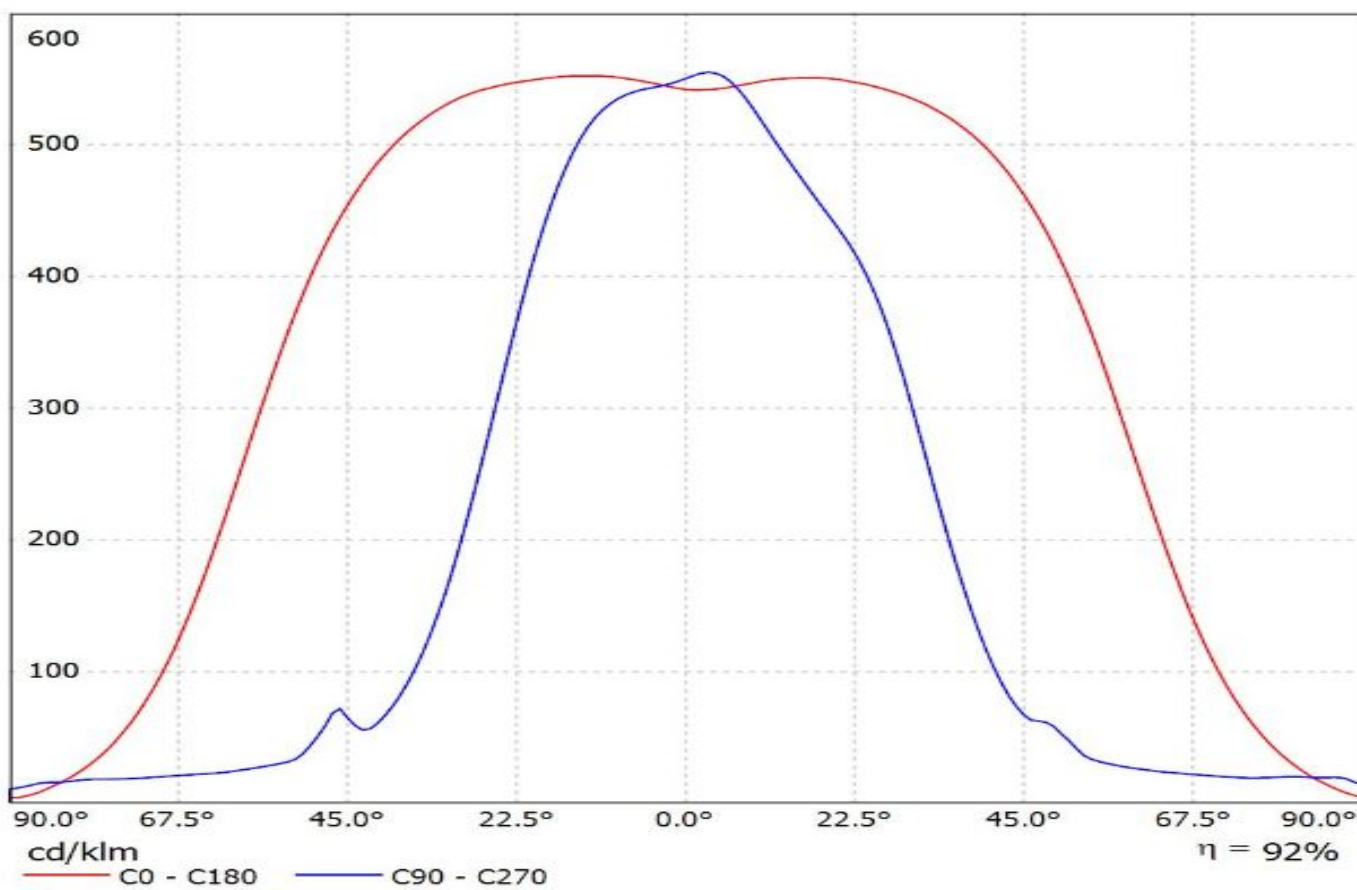


Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(CALGD0414-M8W1)  
Lamps: 1 x CALGD0414-M8W1\_551.561lm@350mA\_P=4.0250W\_I=0.35A



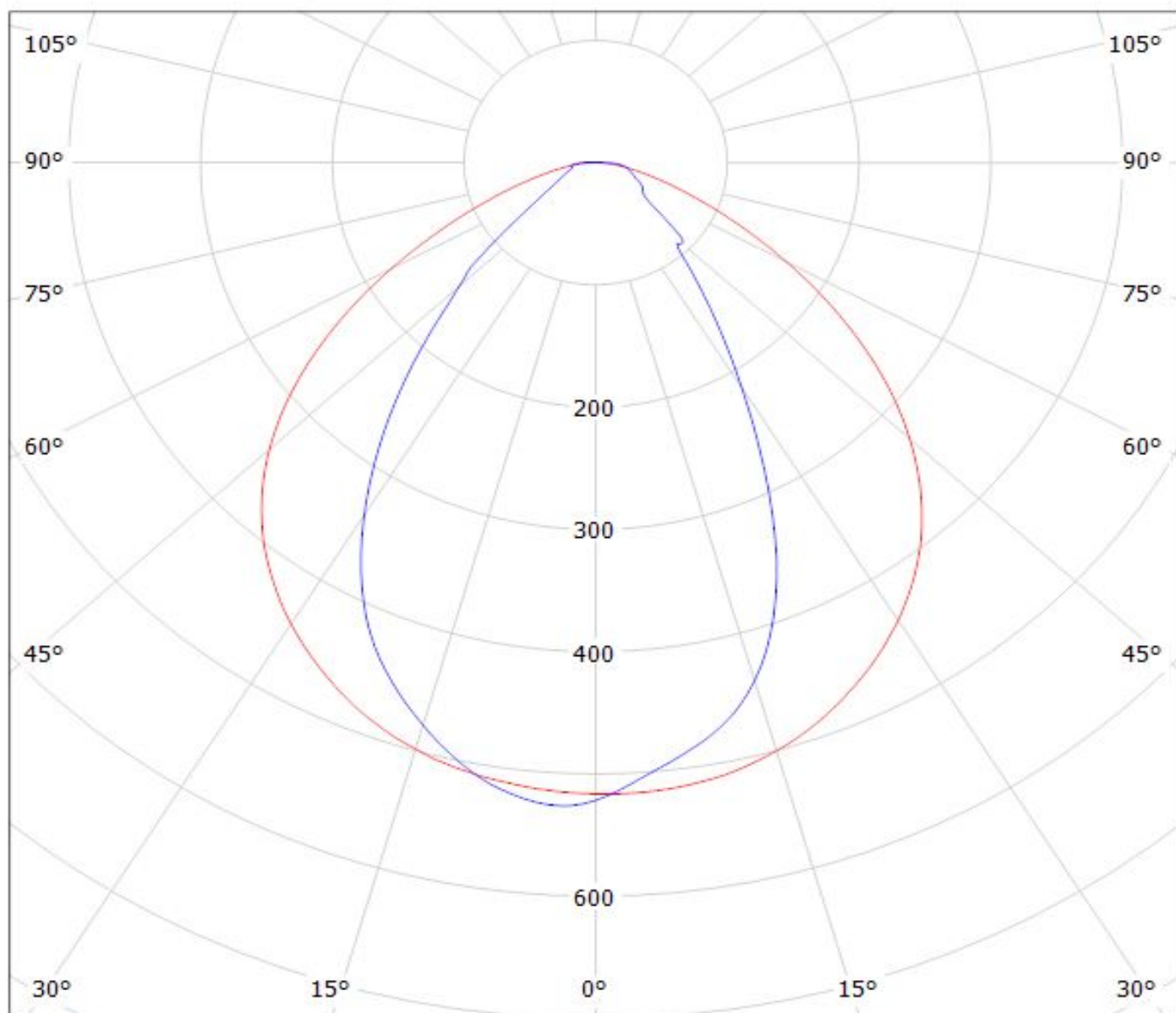
Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(CALGD0814-M17W1)

Lamps: 1 x Citizen\_(CALGD0814-M17W1)\_1098.26lm@350mA\_P=7.96302W\_η=0.3499A



Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(CeZos)

Lamps: 1 x CeZos\_(L0-280024-xxx-C0800-L267)\_1346.29lm@250mA\_CCT=3000K\_P=8.5017W\_I=0.25A



cd/klm

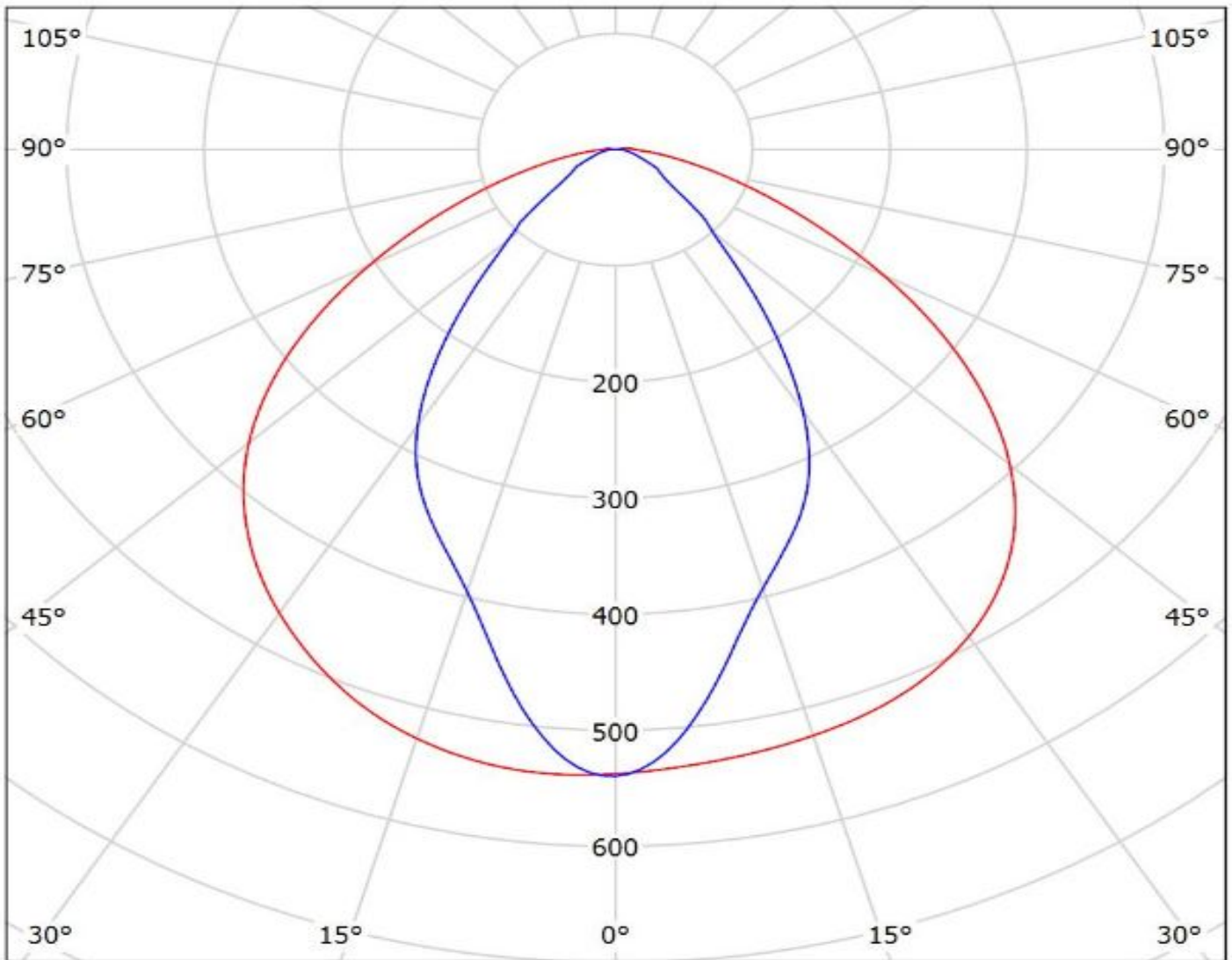
— C0 - C180    — C90 - C270

$\eta = 93\%$

# Ledil F14468\_FLORENCE-1R-Z60\_(XH-B) / LDC (Polar)

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(XH-B)

Lamps: 1 x Cree\_XH-B\_x22\_(XHBAWT-0-7B4-J20-0H-0001)\_315.848lm@65mA\_P=2.11W\_I=65mA



cd/klm

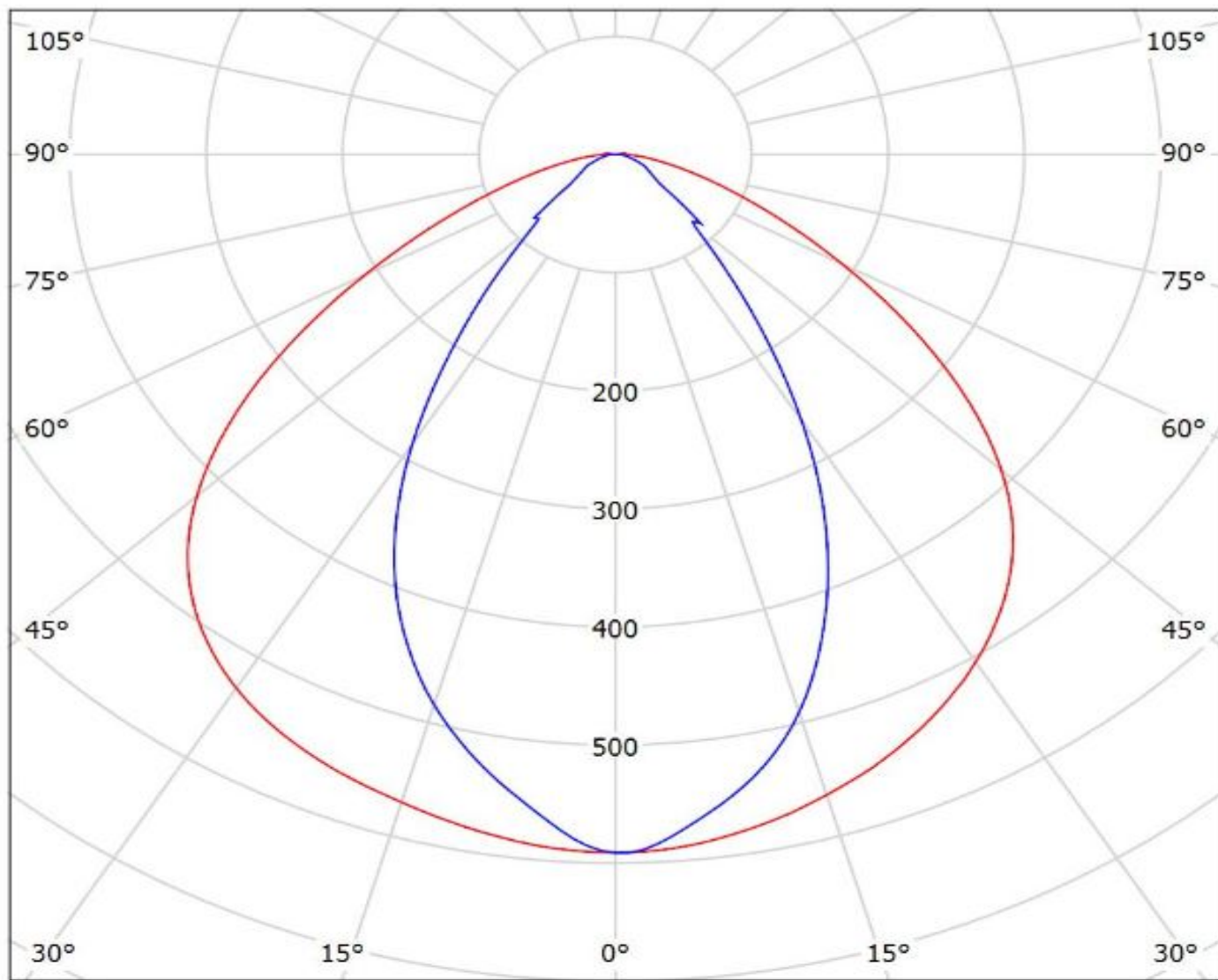
— C0 - C180 — C90 - C270

$\eta = 94\%$

# Ledil F14468\_FLORENCE-1R-Z60\_(Luxeon\_3535\_2D) / LDC (Polar)

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(Luxeon\_3535\_2D)

Lamps: 1 x Luxeon\_3535\_2D\_x22\_(MXC8\_4000K)\_910.245lm@100mA\_CCT=4000K\_P=6.32W\_I=0.1A



cd/klm

— C0 - C180

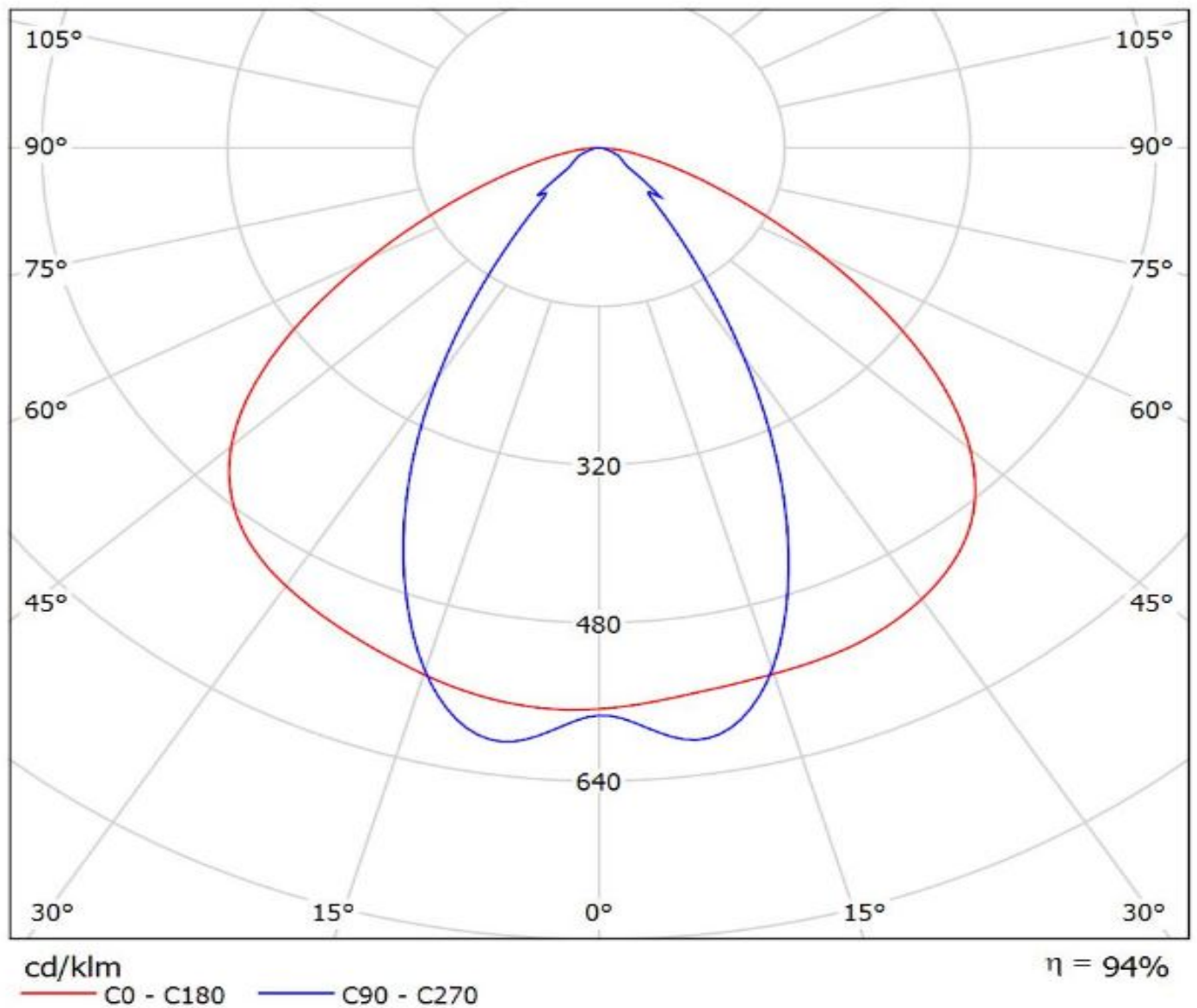
— C90 - C270

$\eta = 95\%$



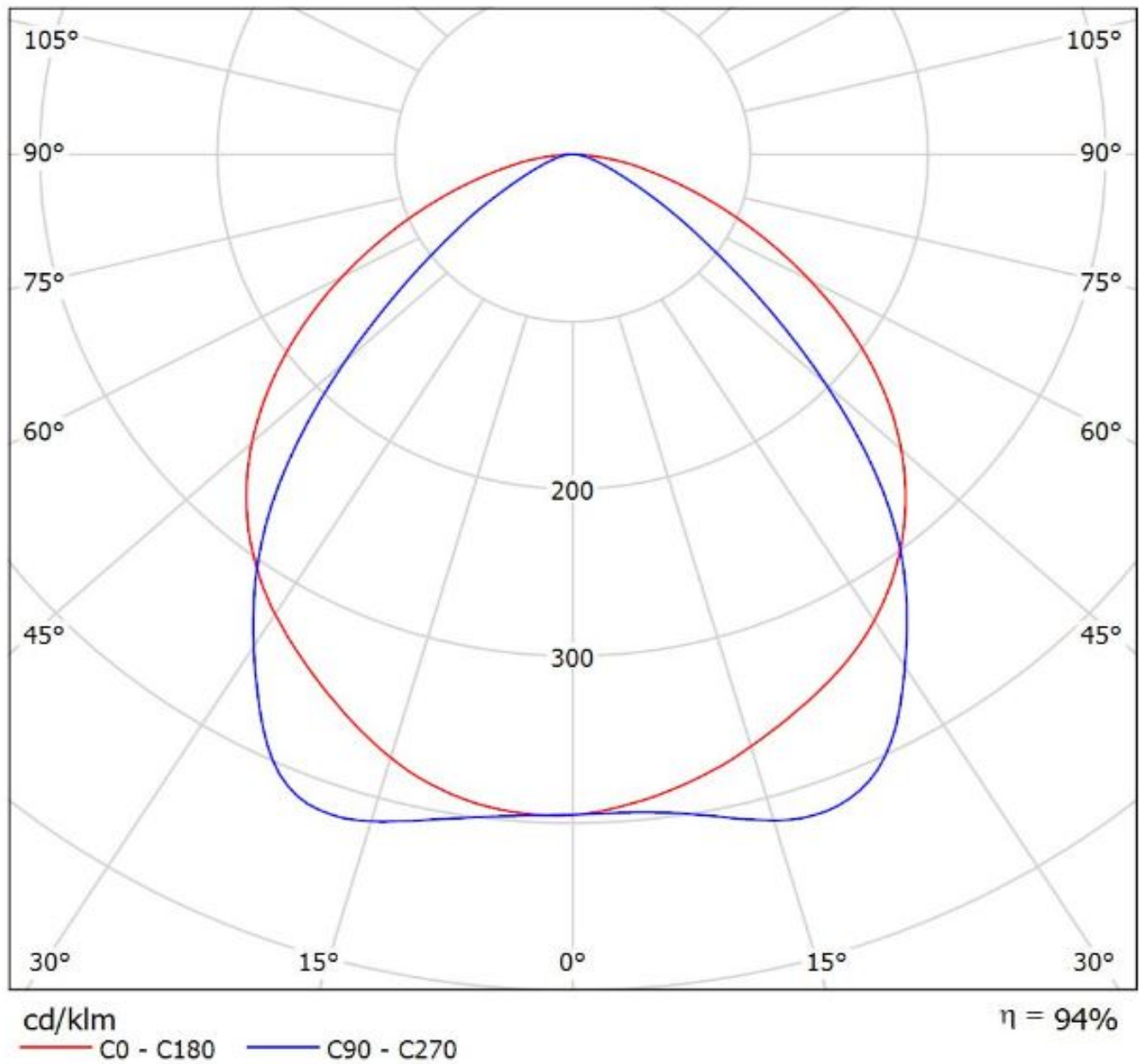
# Ledil F14468\_FLORENCE-1R-Z60\_(Luxeon\_3030\_2D) / LDC (Polar)

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(Luxeon\_3030\_2D)  
Lamps: 1 x Luxeon\_3030\_2D\_x22\_(L130-4080003000W21)  
\_1601.44lm@200mA\_CCT=4000K\_P=12.8W\_I=0.2A



Luminaire: Ledil F14304\_FLORENCE-1R-Z90\_(3014\_x22)

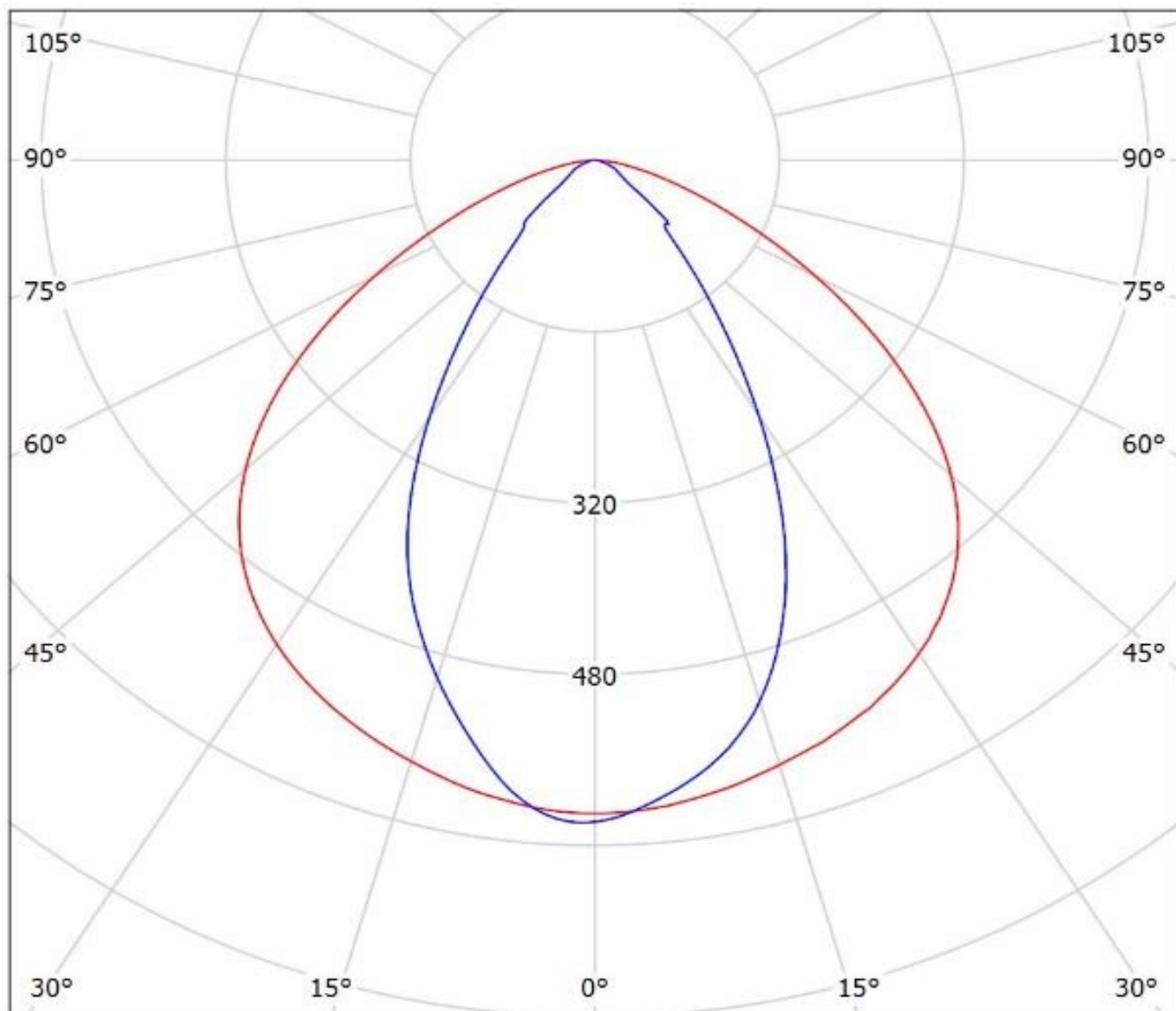
Lamps: 1 x Luxeon\_3014\_x22\_(L130-5080)\_282.652lm@60mA\_P=1.9076W\_I=0.060mA





Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(3535L\_x22)

Lamps: 1 x Luxeon\_3535L\_x22\_(MXA8-PW50)\_507.681lm@100mA\_P=2.9953W\_I=0.100mA



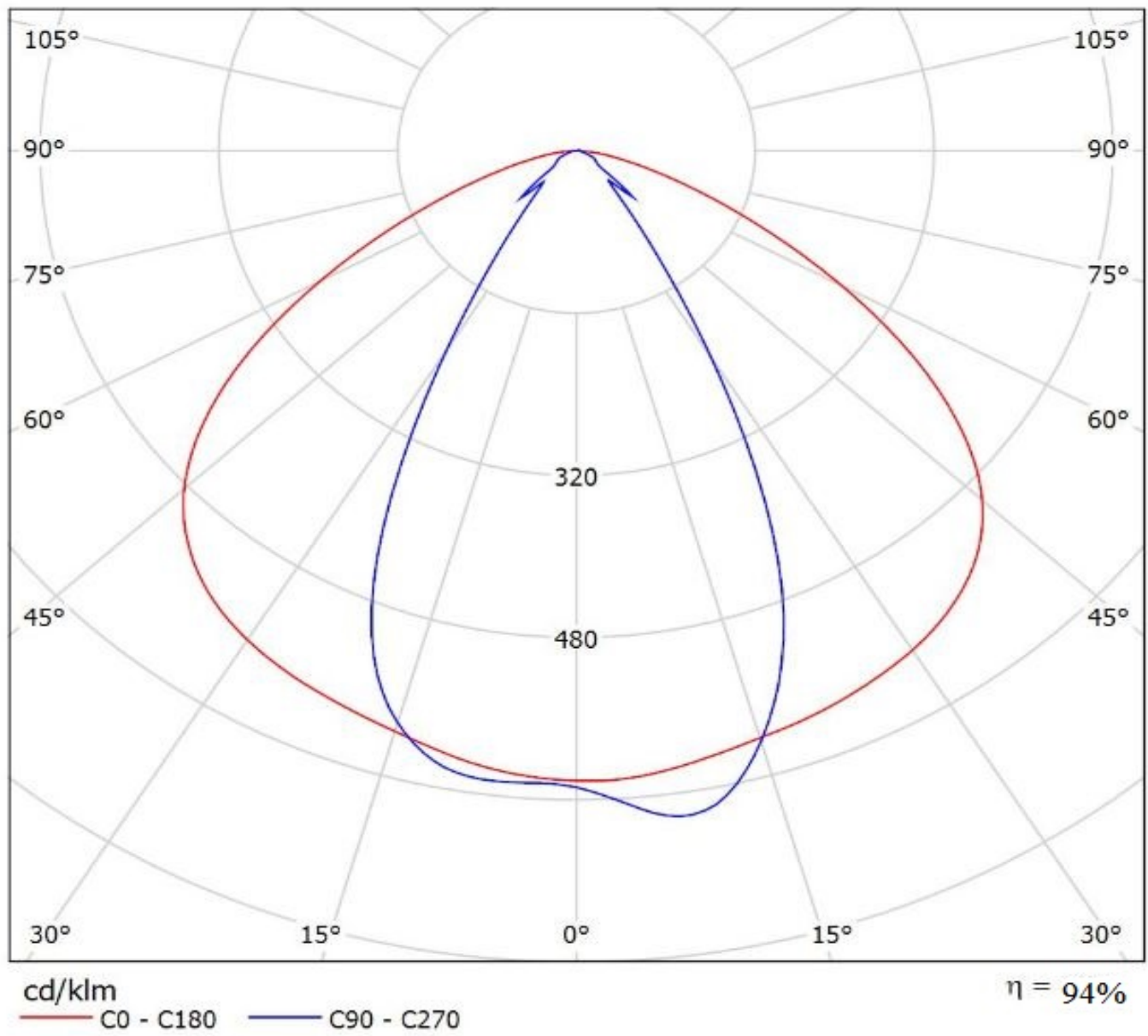
cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(3020)

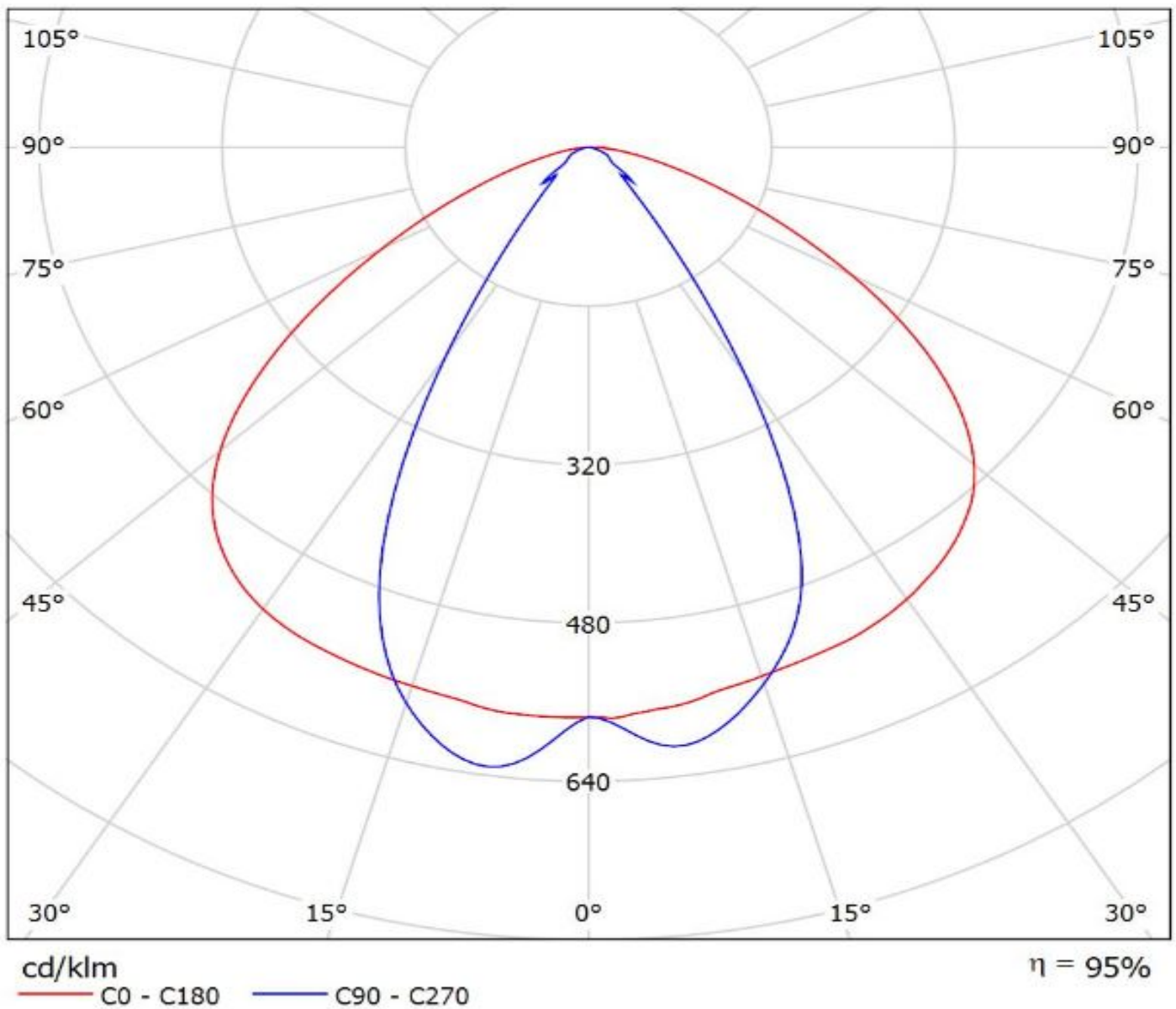
Lamps: 1 x Luxeon\_3020\_x22\_(L130-2780)\_488.066lm@120mA\_P=3.7731W\_I=0.120mA



# Ledil F14468\_FLORENCE-1R-Z60\_(Luminus\_MP-2016) / LDC (Polar)

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(Luminus\_MP-2016)

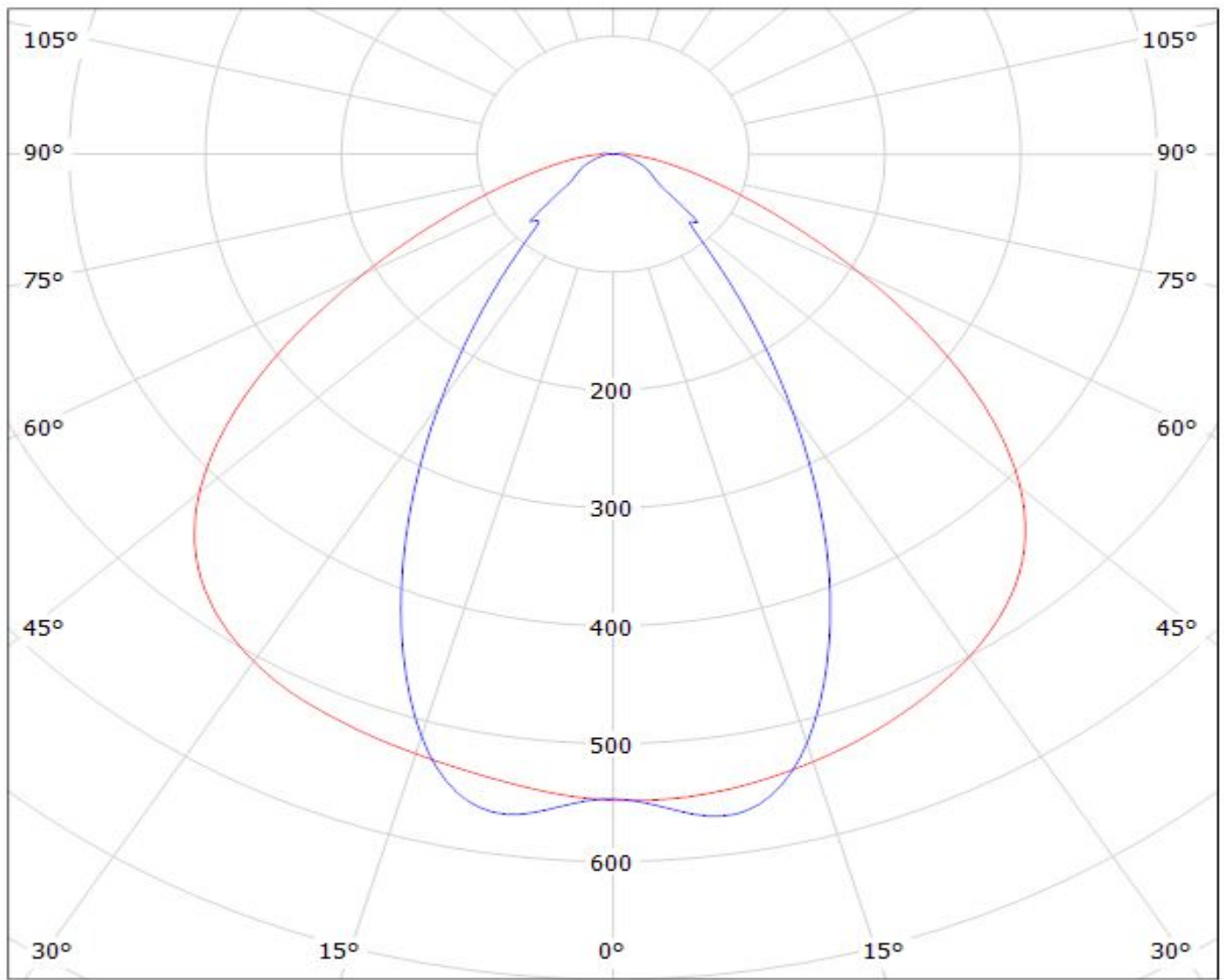
Lamps: 1 x Luminus\_MP-2016\_1x22\_(LUMMP-1100-30-80)\_471.904lm@120mA\_P=4W\_I=0.12A



# Ledil F14468\_FLORENCE-1R-Z60\_(NF2x757D) / LDC (Polar)

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(NF2x757D)

Lamps: 1 x Nichia\_NF2x757D\_2chip\_x22 (NF2W757DRT)\_2050.61lm@200mA\_P=12.95W\_I=0.2A



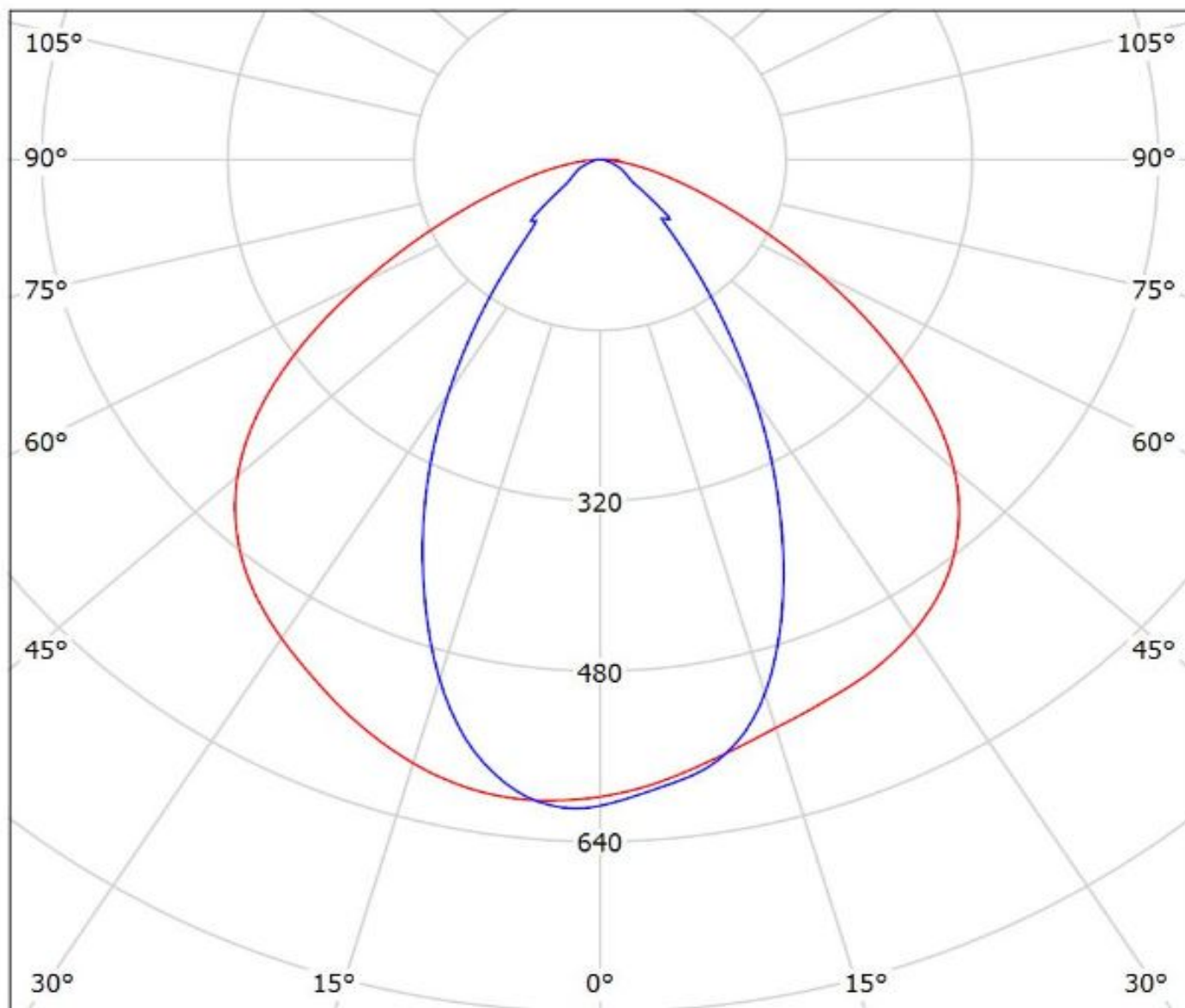
cd/klm

— C0 - C180

— C90 - C270

$\eta = 95\%$

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(NF2W757G)  
Lamps: 1 x NF2W757G\_378.284lm@65mA\_CCT=?K\_P=1.97W\_I=0.065A



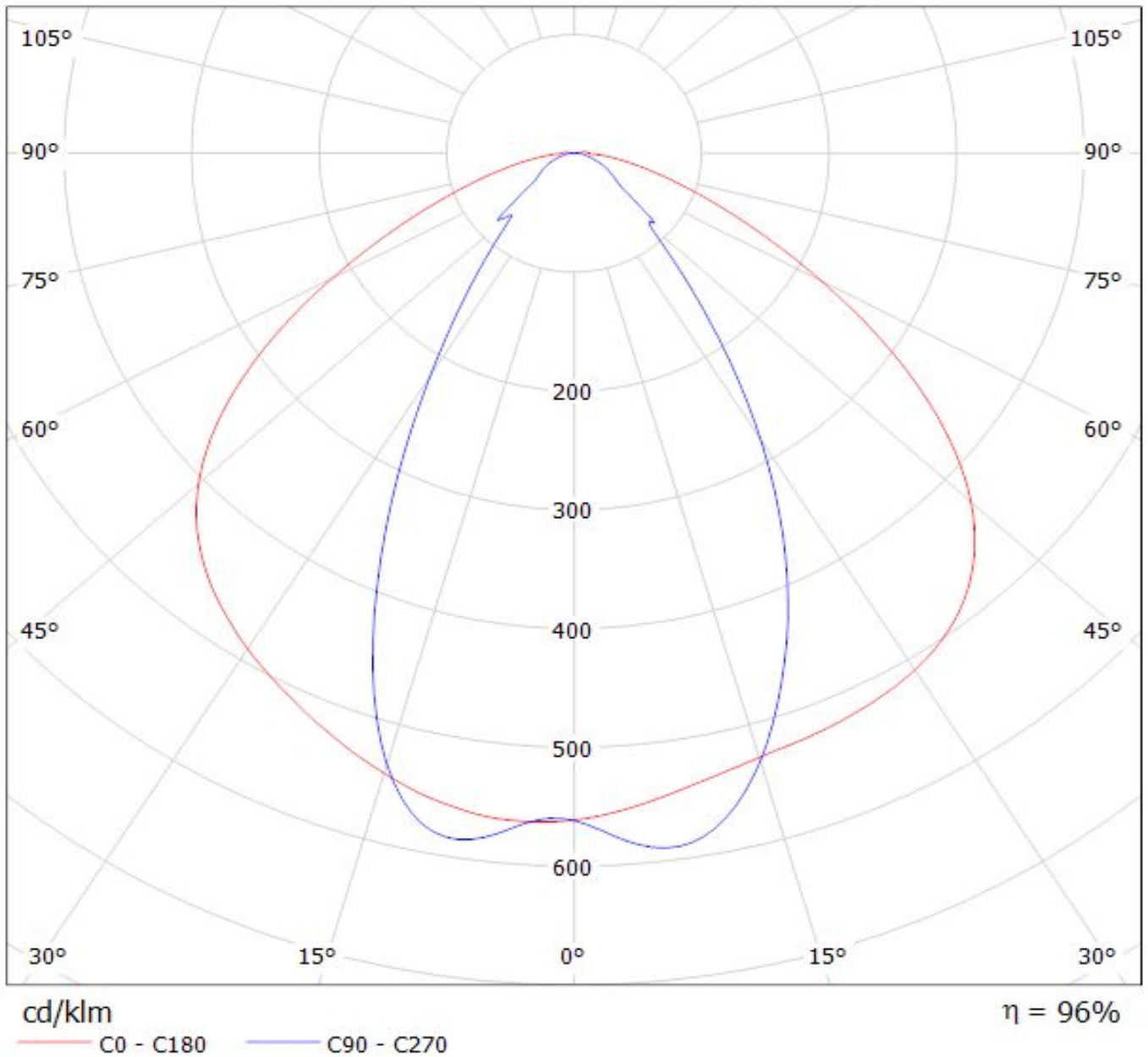
cd/klm  
— C0 - C180 — C90 - C270

$\eta = 93\%$



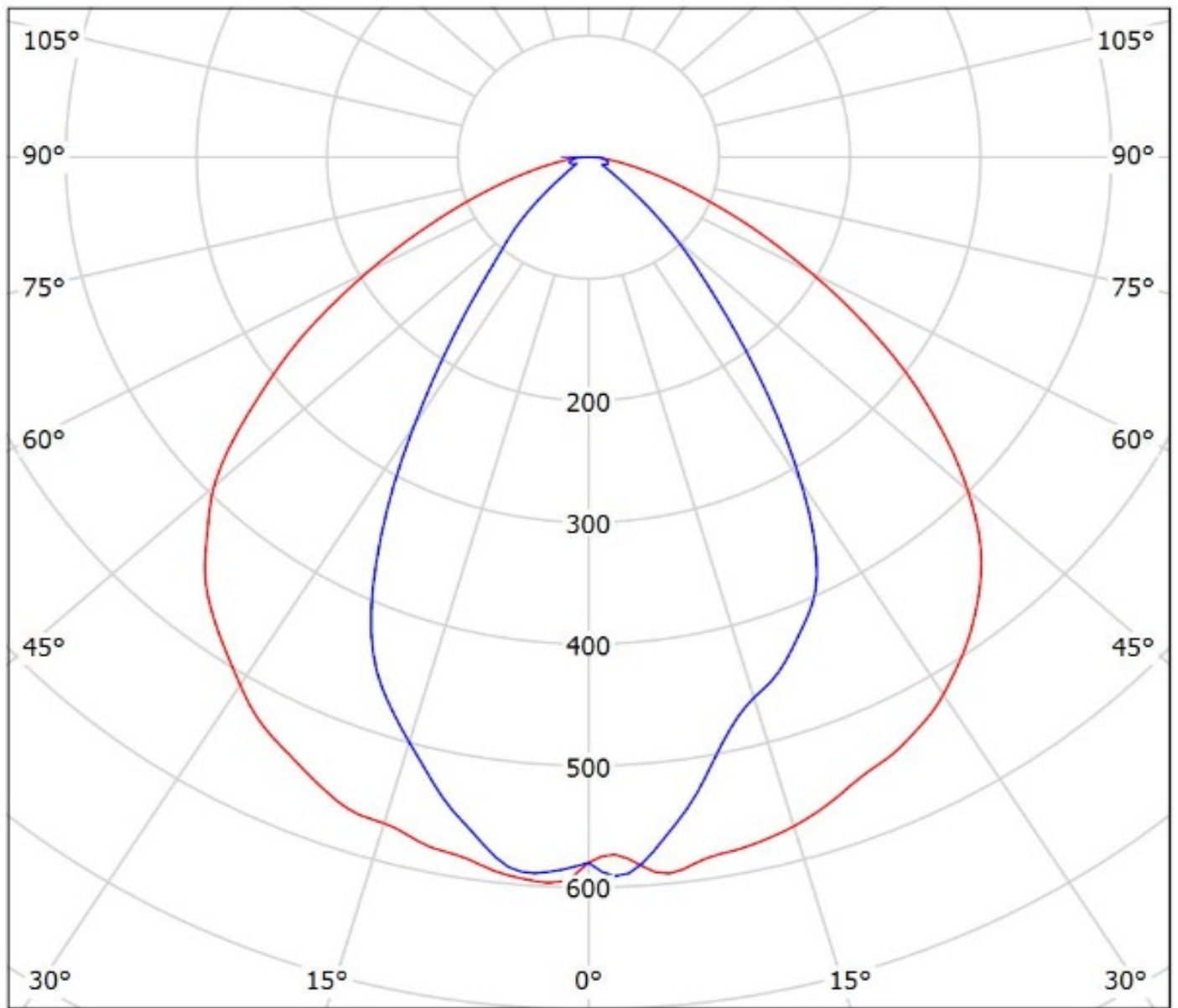
Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(Duris\_S5)

Lamps: 1 x Osram\_Duris\_S5\_(GW\_PSLRS1.EC-LQLS-5H7I-1)\_993.467lm@100mA\_P=8W\_I=0.1000A





Luminaire: Ledil Oy F14468\_FLORENCE-1R-Z60\_(Duris\_E\_2835)\_SIMULATED  
Lamps: 1 x Osram Duris E 2835 - GW JTLRS1.EM

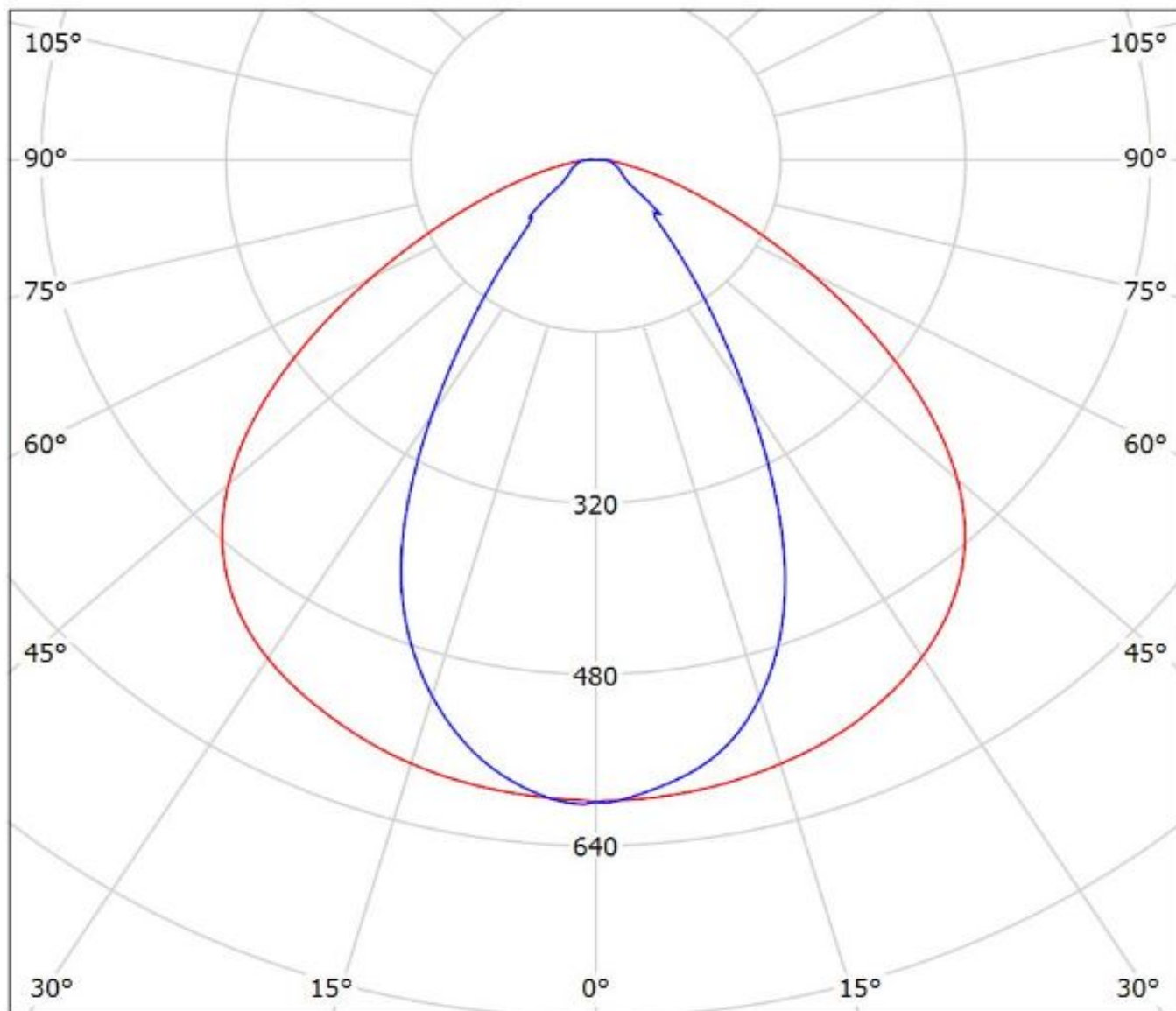


cd/klm

— C0 - C180    — C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy F14468\_FLORENCE-1R-Z60 (Fortimo\_LED\_Line\_1ft\_1100lm\_840\_1R\_LV2)\_Cav4  
Lamps: 1 x Fortimo\_LED\_Line\_1ft\_1100lm\_840\_1R\_LV2\_1062.24lm@250mA\_P=8.02208W\_I=249.8mA

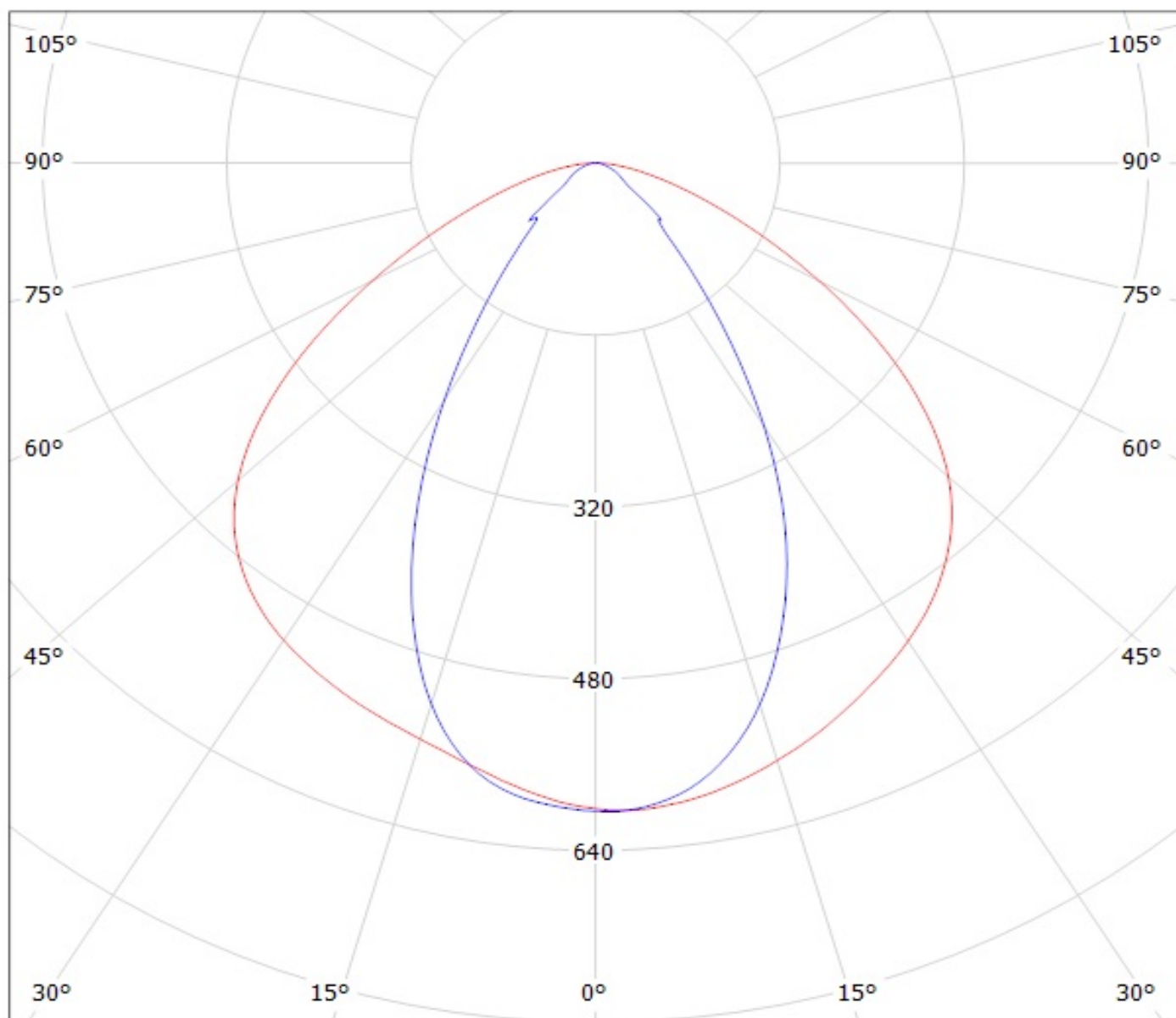


cd/klm  
— C0 - C180 — C90 - C270

$\eta = 97\%$

Luminaire: LEDiL Oy F14468\_FLORENCE-1R-Z60\_(LM302A)

Lamps: 1 x Samsung\_LM302A\_865.46lm@100mA\_P=6.64694W\_I=0.1001A



cd/klm

$\eta = 94\%$

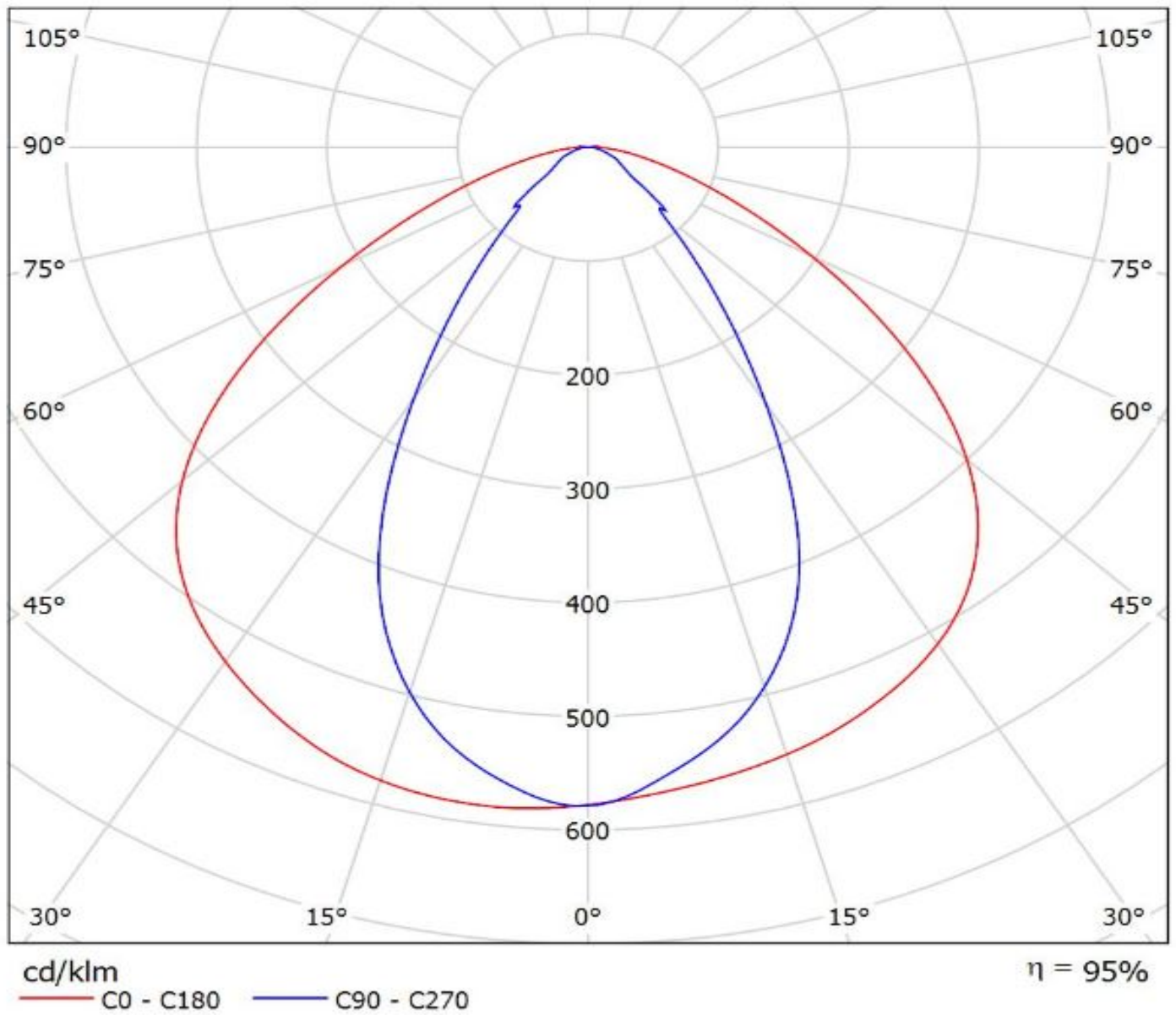
— C0 - C180

— C90 - C270

# Ledil F14468\_FLORENCE-1R-Z60\_(LM561B) / LDC (Polar)

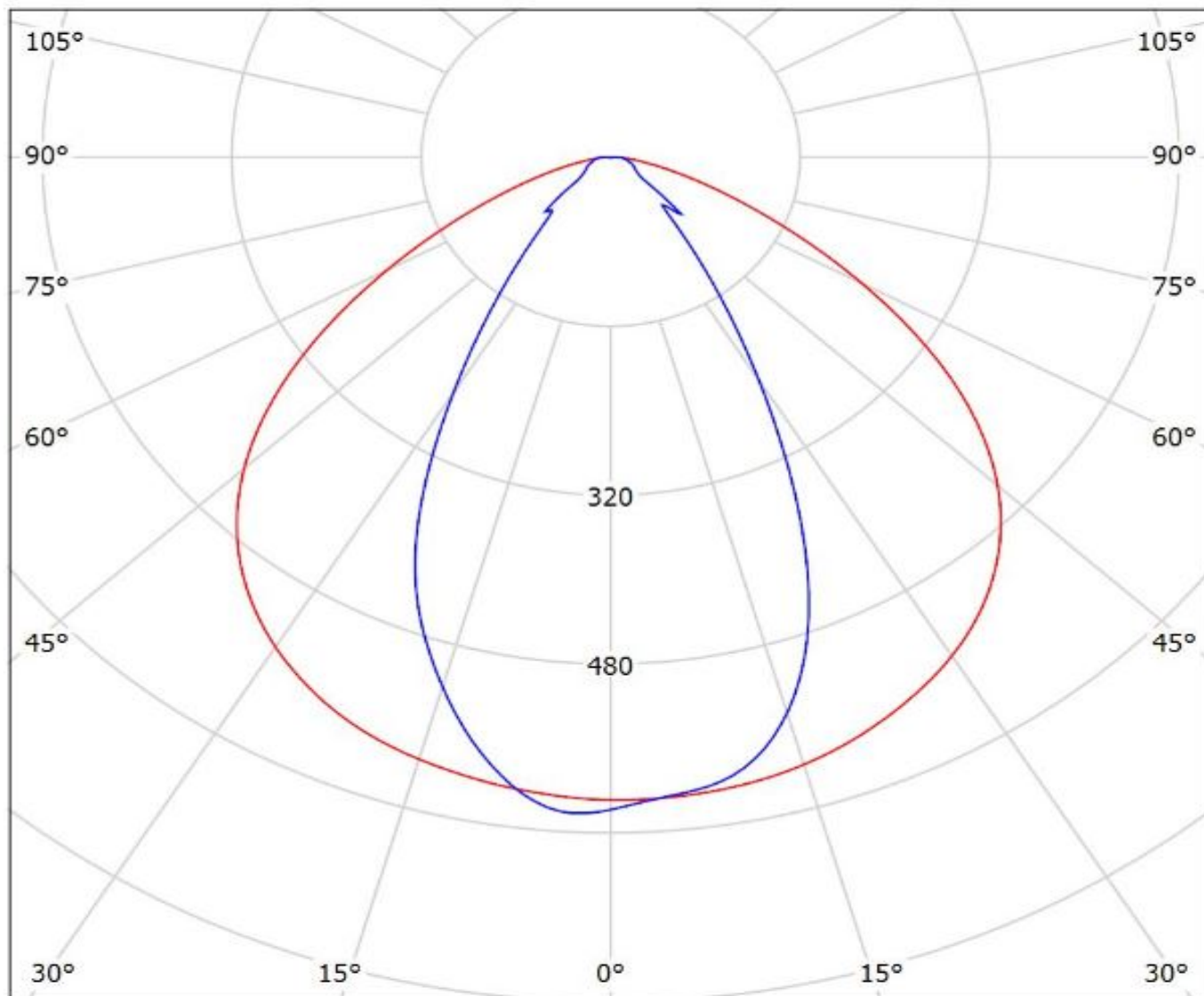
Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(LM561B)

Lamps: 1 x Samsung\_LM561B\_x22\_348.84lm@65mA\_P=1.97W\_I=65mA



Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(LT-S282N)

Lamps: 1 x Samsung SI-B8T071280LD\_LM5618+\_1401.55lm@250mA\_P=9.185W\_I=0.25A



cd/klm

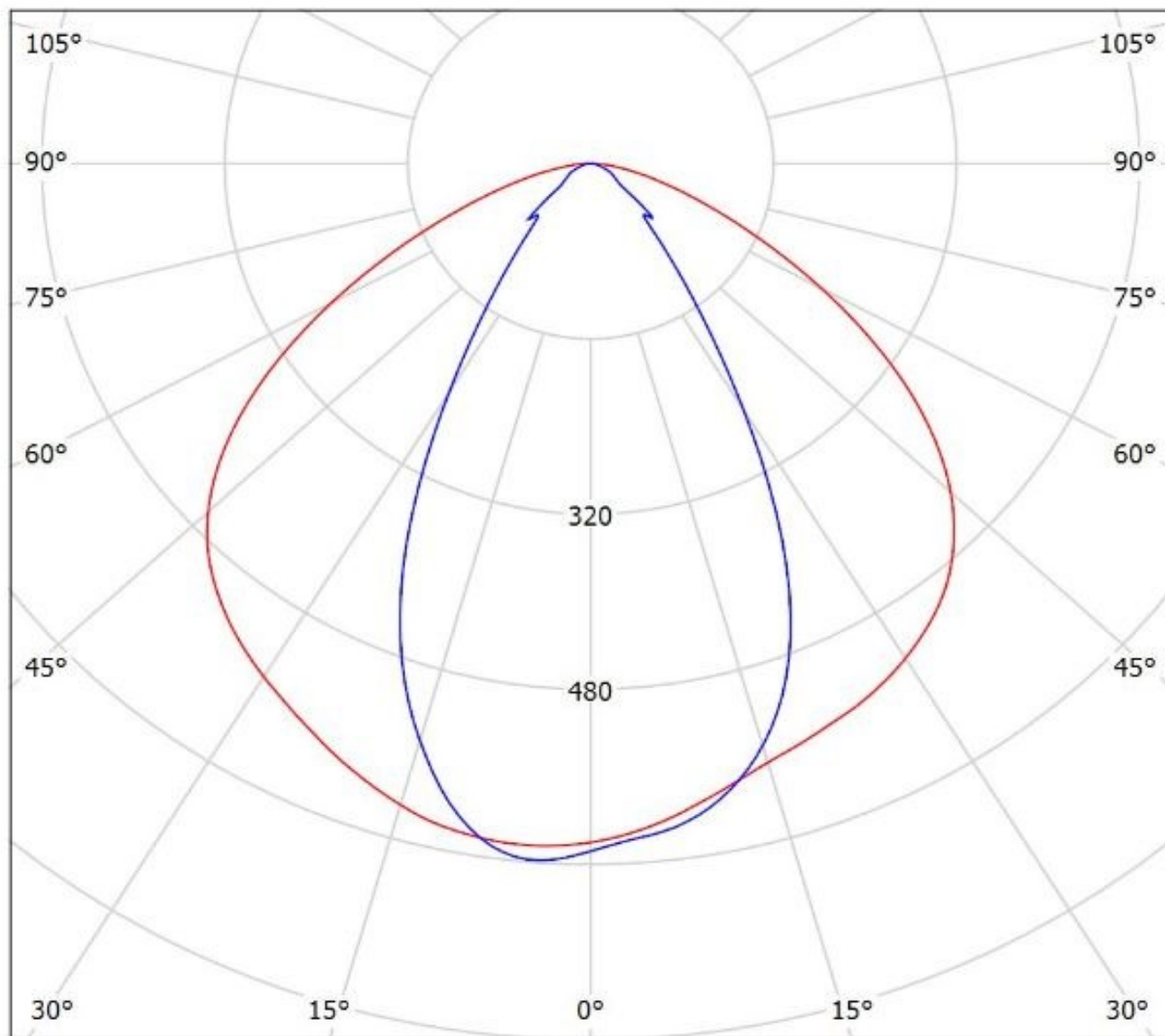
— C0 - C180 — C90 - C270

$\eta = 96\%$



Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(LM301A)

Lamps: 1 x Samsung\_LM301A\_x11\_(SPMWHT328FD5WAT0S0)\_1087.4lm@250mA\_P=8.1922W\_I=0.25A



cd/klm

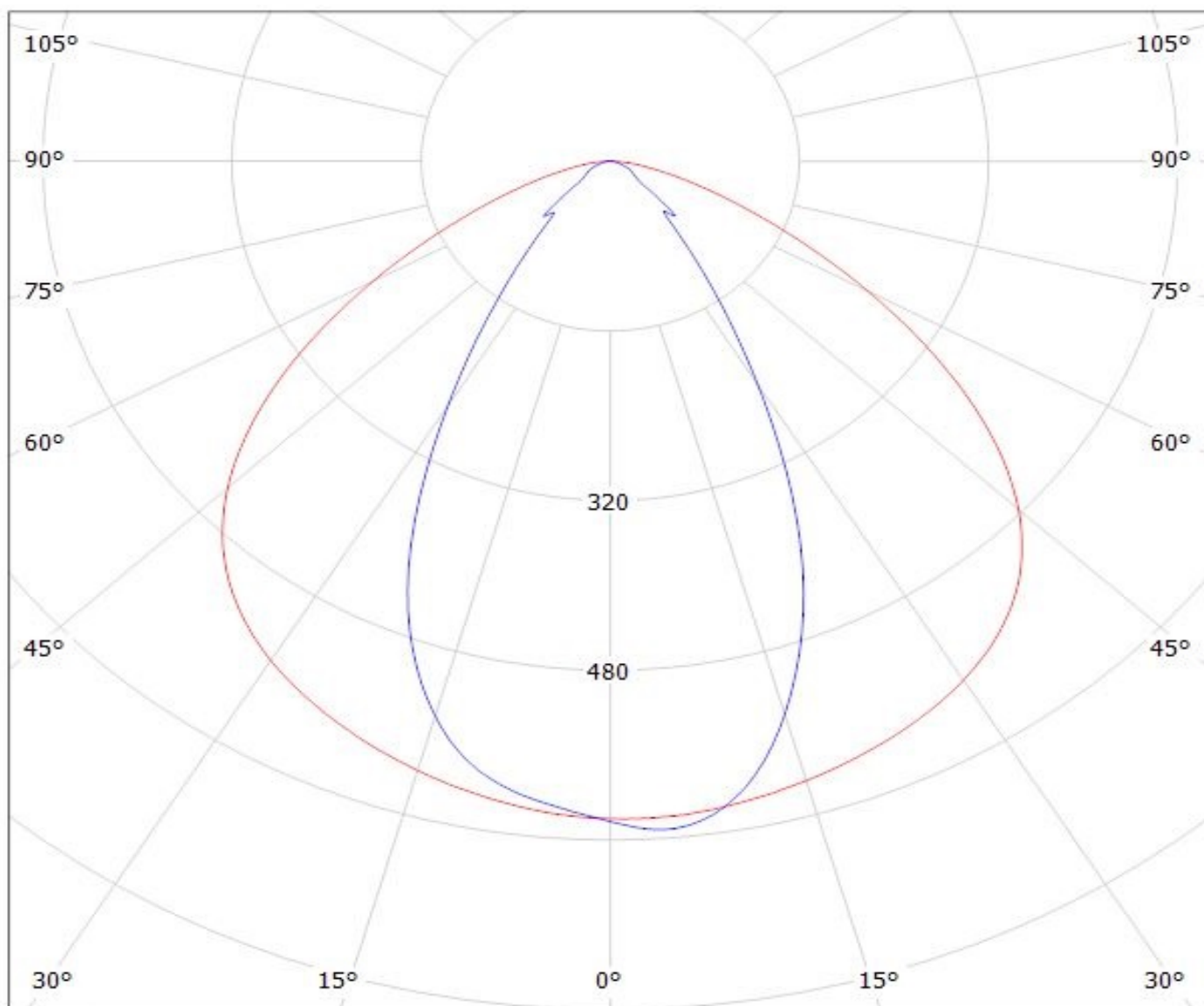
— C0 - C180 — C90 - C270

$\eta = 94\%$



Luminaire: LEDiL Oy F14468\_FLORENCE-1R-Z60\_(LM561C)

Lamps: 1 x Samsung\_LM561C\_688.201lm@130mA\_P=3.9390W\_I=0.130A



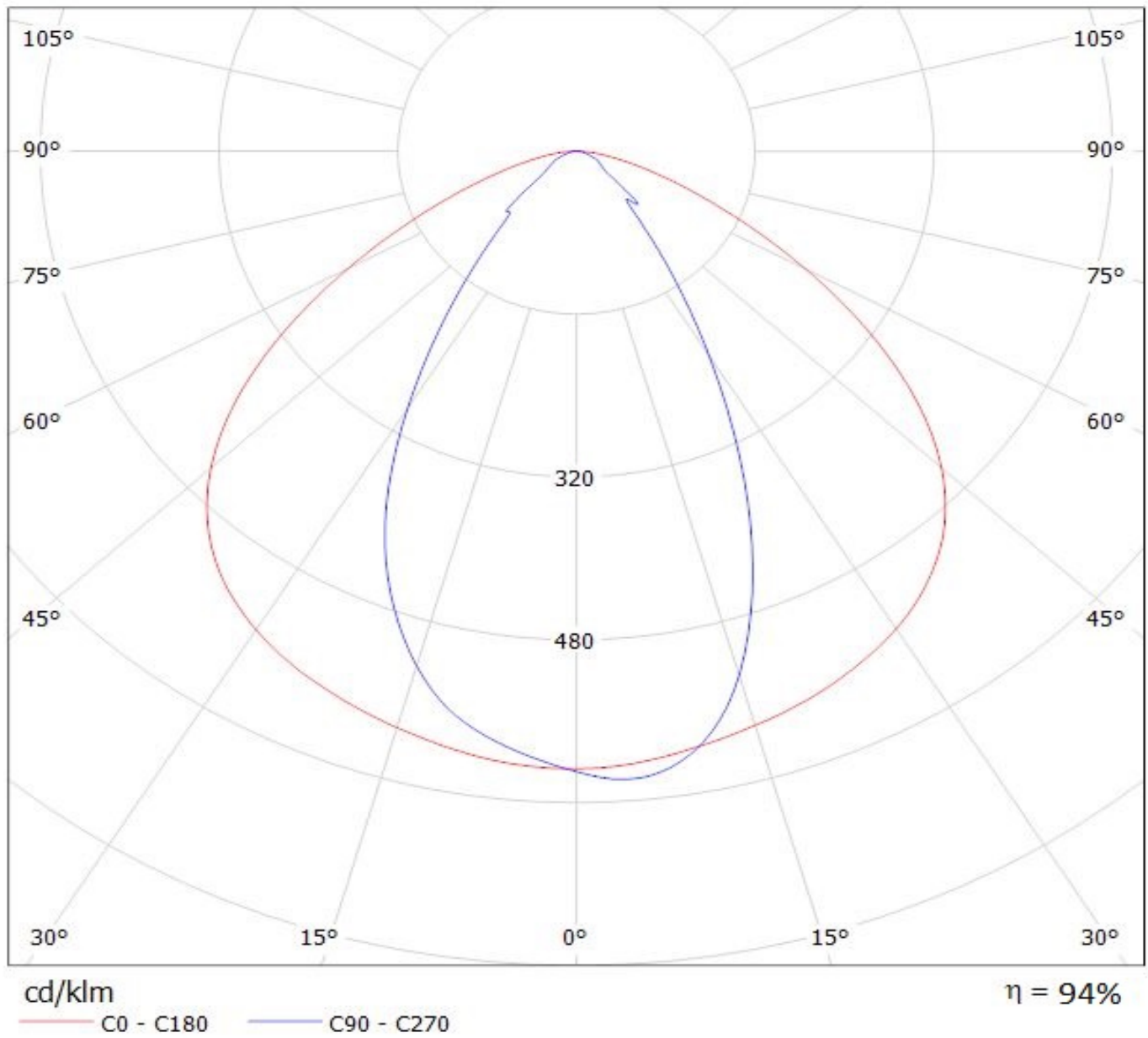
cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$

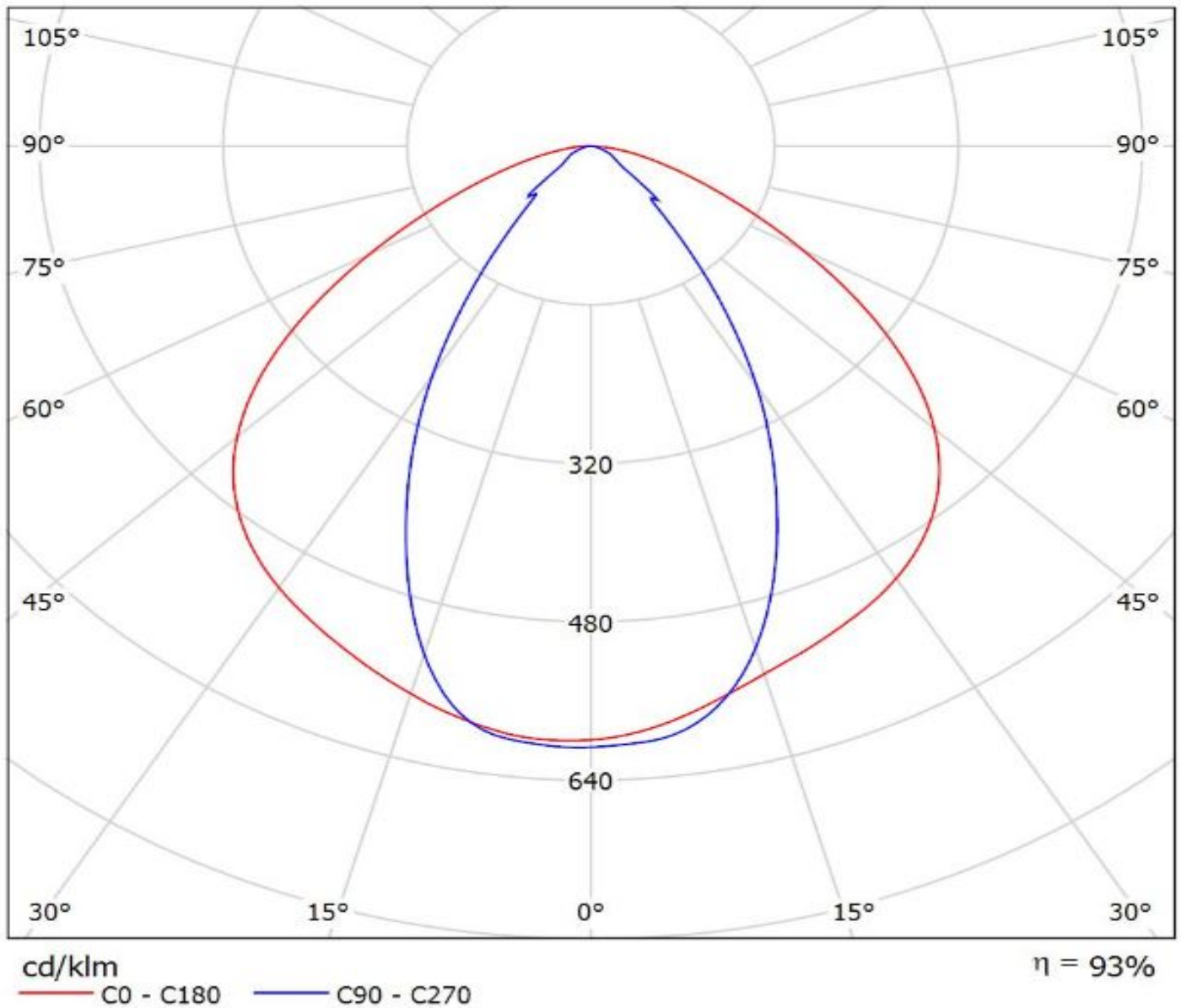
Luminaire: LEDiL Oy F14468\_FLORENCE-1R-Z60\_(LM281B)  
Lamps: 1 x Samsung\_LM281B\_1309.14lm@300mA\_P=10.244W\_I=0.300A



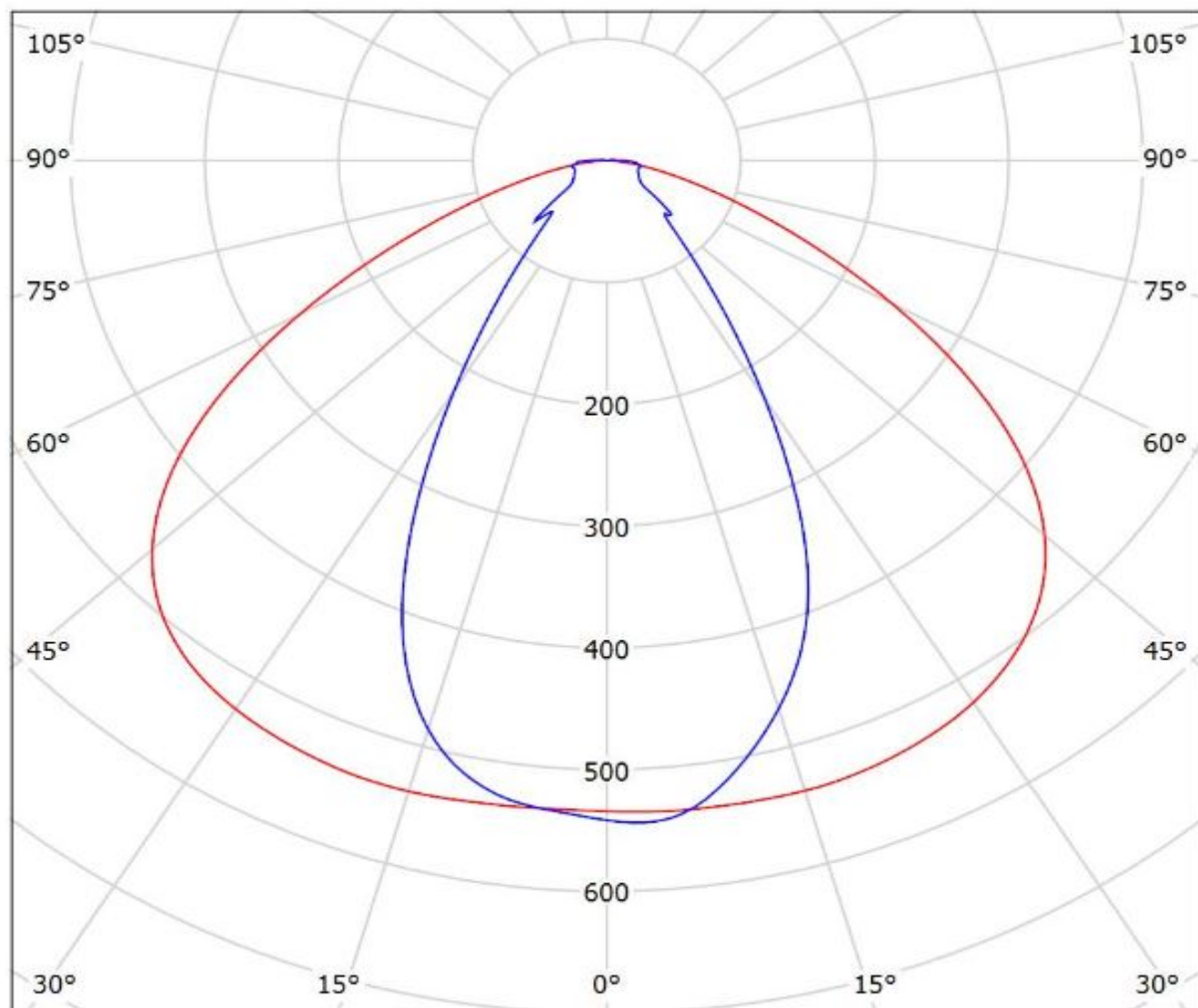
# Ledil F14468\_FLORENCE-1R-Z60\_(Seoul\_3030) / LDC (Polar)

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(Seoul\_3030)

Lamps: 1 x Seoul\_3030\_x11\_(STW8C2SA)\_785.296lm@100mA\_P=6.5W\_I=0.1A



Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(CALGD0414-M8W1)  
Lamps: 1 x CALGD0414-M8W1\_551.561lm@350mA\_P=4.0250W\_I=0.35A

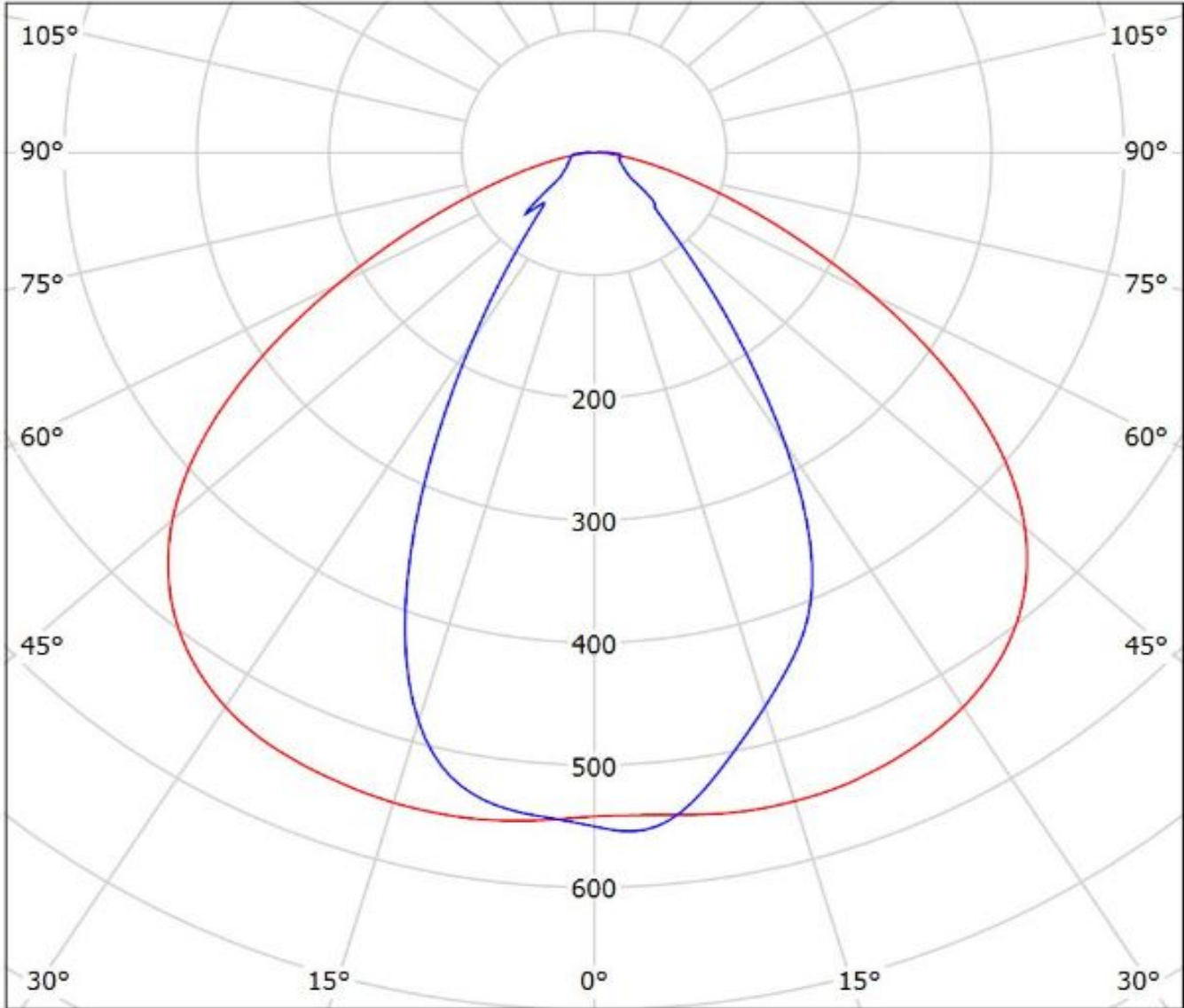


cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: Ledil F14468\_FLORENCE-1R-Z60\_(CALGD0814-M17W1)  
Lamps: 1 x Citizen\_(CALGD0814-M17W1)\_1098.26lm@350mA\_P=7.96302W\_I=0.3499A



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.**