

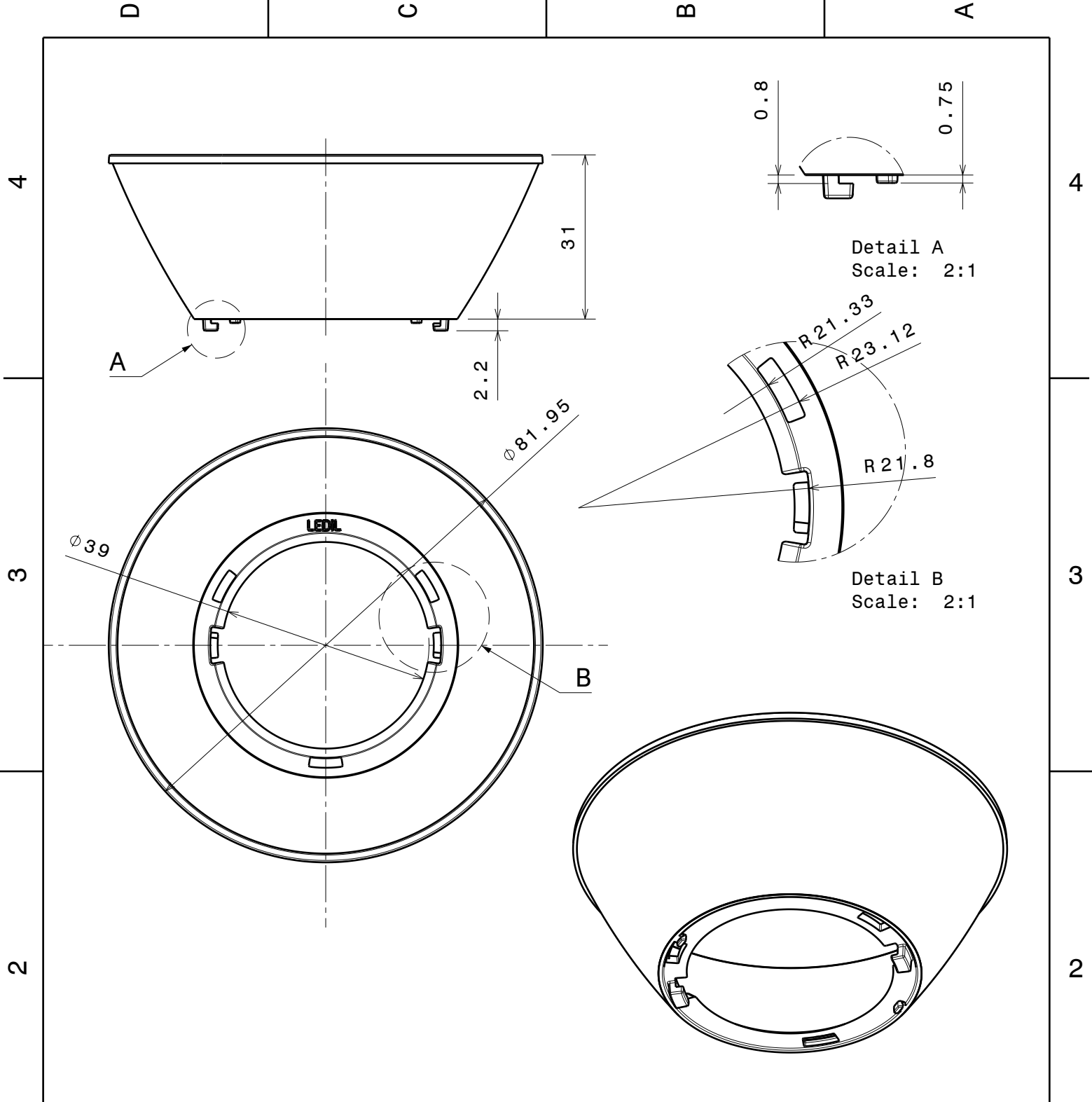
## DETAILS

<b>Product Number</b>	F13839_ANGELINA-XW-B
<b>Family</b>	ANGELINA
<b>Type</b>	Reflector
<b>Color</b>	white
<b>Diameter</b>	82 mm
<b>Height</b>	31 mm
<b>Style</b>	round
<b>Optic Material</b>	HRPC
<b>Holder Material</b>	
<b>Fastening</b>	
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	16/01/2015



## OPTICAL PROPERTIES

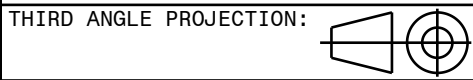
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
COB 10W/13W/17W/24W	sim: 88	Wide	-	sim: 0.000	BJB: Solderless Connector 47.319.2080
CLU730	sim: 86	Wide	sim: 93 %	sim: 0.635	BJB: Solderless Connector 47.319.2030
SLE G4 LES23 H	90 deg	Wide	94 %	0.500	-
COB 40W/60W	90 deg	Wide	94 %	0.490	A.A.G. STUCCHI: 8102/G2
CXA/B 30xx	90 deg	Wide	94 %	0.490	A.A.G. STUCCHI: 8404/G2
CXM-22	91 deg	Wide	94 %	0.500	BJB: Solderless Connector 47.319.2030
CLL04x/CLU044	91 deg	Wide	94 %	0.500	BJB: Solderless Connector 47.319.2030
Soleriq E30	91 deg	Wide	94 %	0.490	BJB: Solderless Connector 47.319.2090
LUXEON K12	91 deg	Wide	94 %	0.533	BJB: Solderless Connector 47.319.2070
ZC25/40	91 deg	Wide	94 %	0.480	A.A.G. STUCCHI: 8102/G2
LUXEON CoB 1211	91 deg	Wide	94 %	0.490	A.A.G. STUCCHI: 8102/G2
LUXEON CoB 1211	92 deg	Wide	94 %	0.480	BJB: Solderless Connector 47.319.2030
Soleriq S19	92 deg	Wide	94 %	0.490	A.A.G. STUCCHI: 8503/G2
CXM-14	92 deg	Wide	94 %	0.500	BJB: Solderless Connector 47.319.2021
CLL04x/CLU044	92 deg	Wide	94 %	0.480	A.A.G. STUCCHI: 8102/G2
CLL03x/CLU034	93 deg	Wide	94 %	0.500	BJB: Solderless Connector 47.319.2021
Mega Zenigata (GW5DGC)	93 deg	Wide	94 %	0.480	BJB: Solderless Connector 47.319.2011
Mega Zenigata (GW6DME)	93 deg	Wide	94 %	0.480	BJB: Solderless Connector 47.319.2011
Soleriq P13	93 deg	Wide	94 %	0.490	A.A.G. STUCCHI: 8502/G2
LUXEON CoB 1208	93 deg	Wide	94 %	0.490	A.A.G. STUCCHI: 8301/G2
Mega Zenigata (GW6DME)	93 deg	Wide	94 %	0.500	A.A.G. STUCCHI: 8301/G2
COB 10W/13W/17W/24W	93 deg	Wide	94 %	0.490	A.A.G. STUCCHI: 8600/G2
CLL03x/CLU034	93 deg	Wide	94 %	0.490	A.A.G. STUCCHI: 8101/G2
ZC12/18	93 deg	Wide	94 %	0.490	A.A.G. STUCCHI: 8101/G2
CXA/B 25xx	93 deg	Wide	94 %	0.490	A.A.G. STUCCHI: 8401/G2



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1		ANGELINA-B	Reflective PC	White

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

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



DRAWING TITLE  
**ANGELINA-B series Reflector**

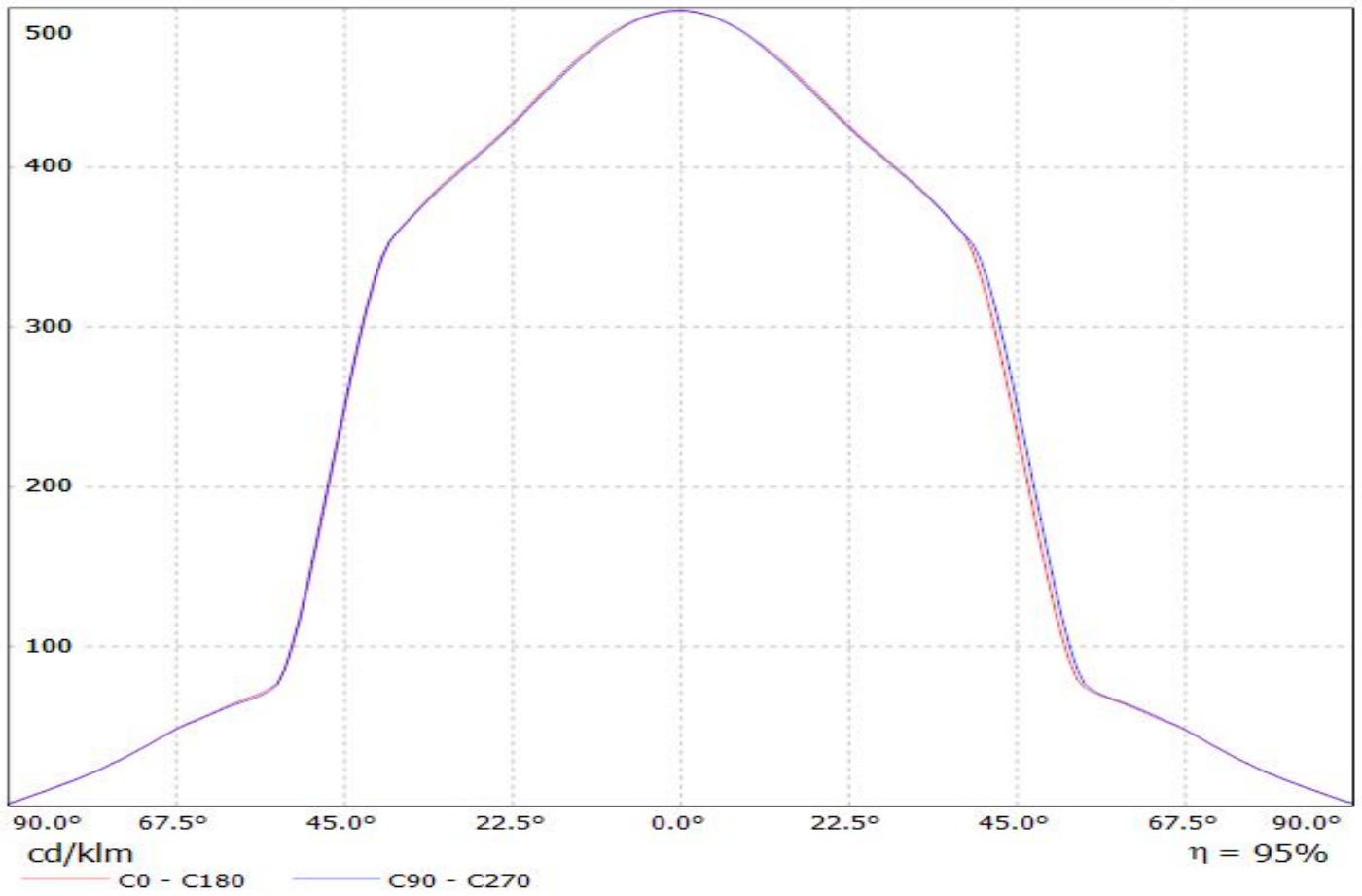
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."

SIZE	PART NUMBER
A4	-

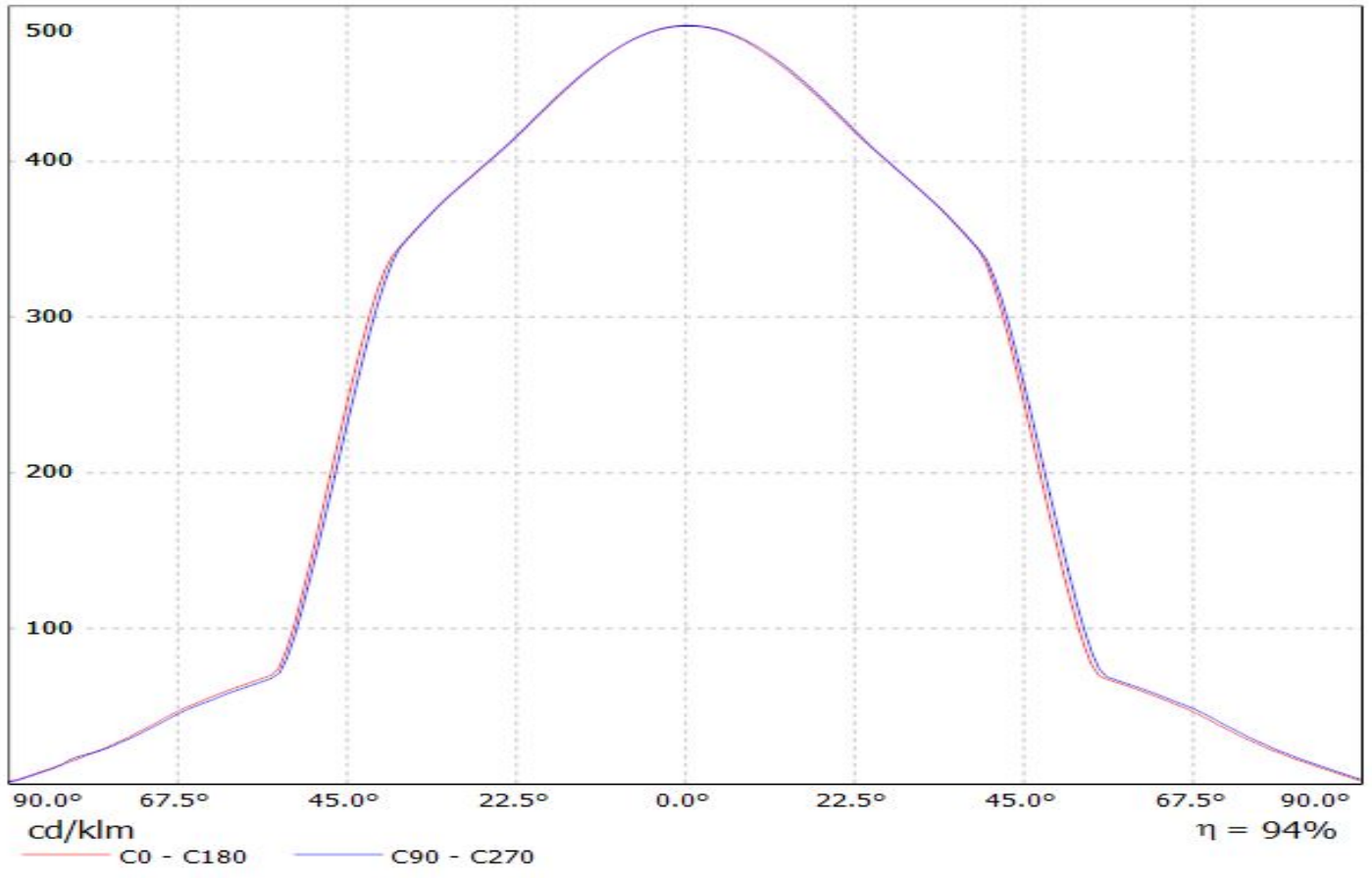
SCALE	1:1	WEIGHT	-	SHEET	1/1
-------	-----	--------	---	-------	-----

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(SLE G4 LES23)

Lamps: 1 x Tridonic\_SLE\_G4\_LES23\_1428.75lm@250mA\_P=8.19944W\_I=0.2498A

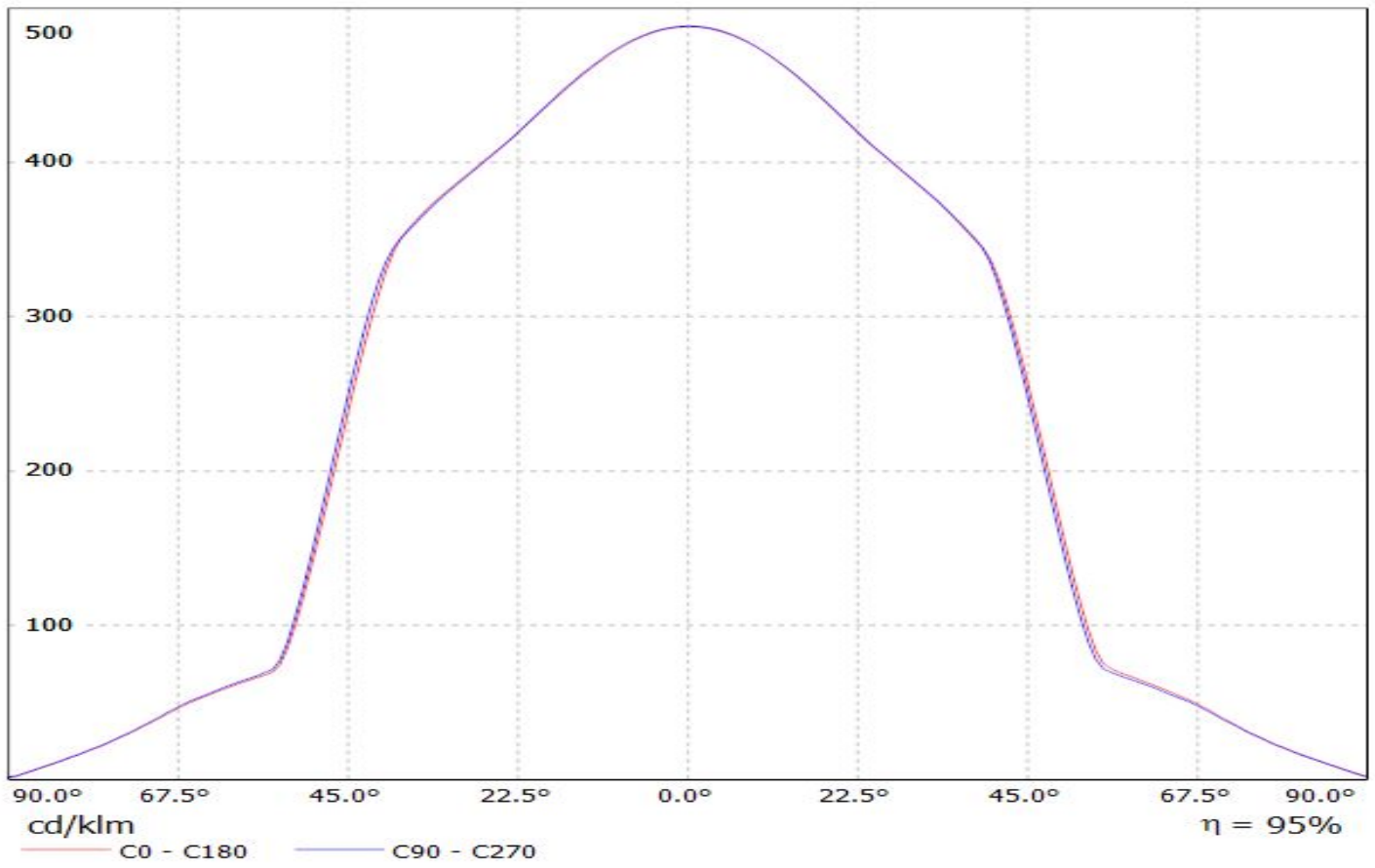


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(COB\_40W)  
Lamps: 1 x LG\_COB\_40W\_1163.31lm@250mA\_CCT=3000K\_P=8.04906W\_I=249.8mA



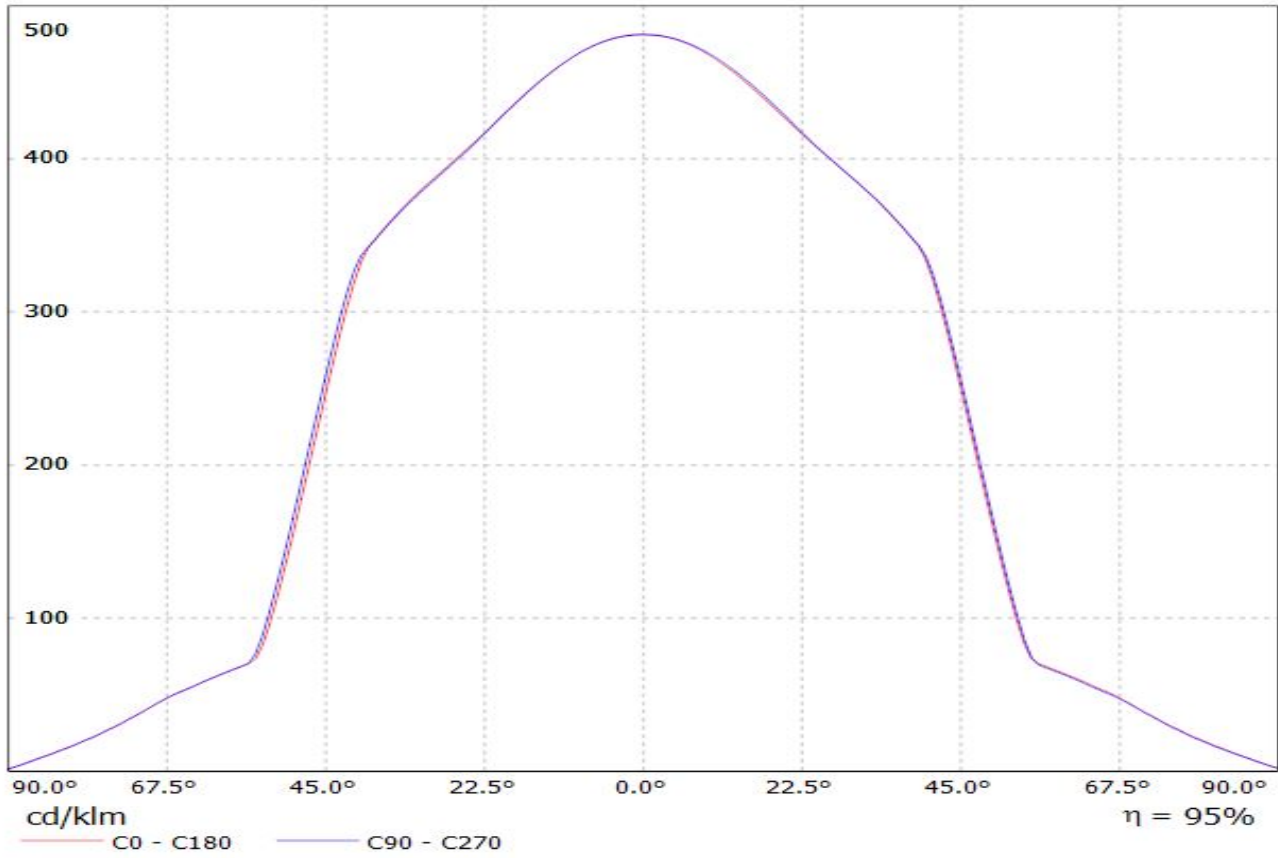
Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CXA30)

Lamps: 1 x Cree\_CXA30\_(CXA3050-3C0-Y2-N0H)\_1395.36lm@250mA\_P=8.20318W\_I=249.8mA

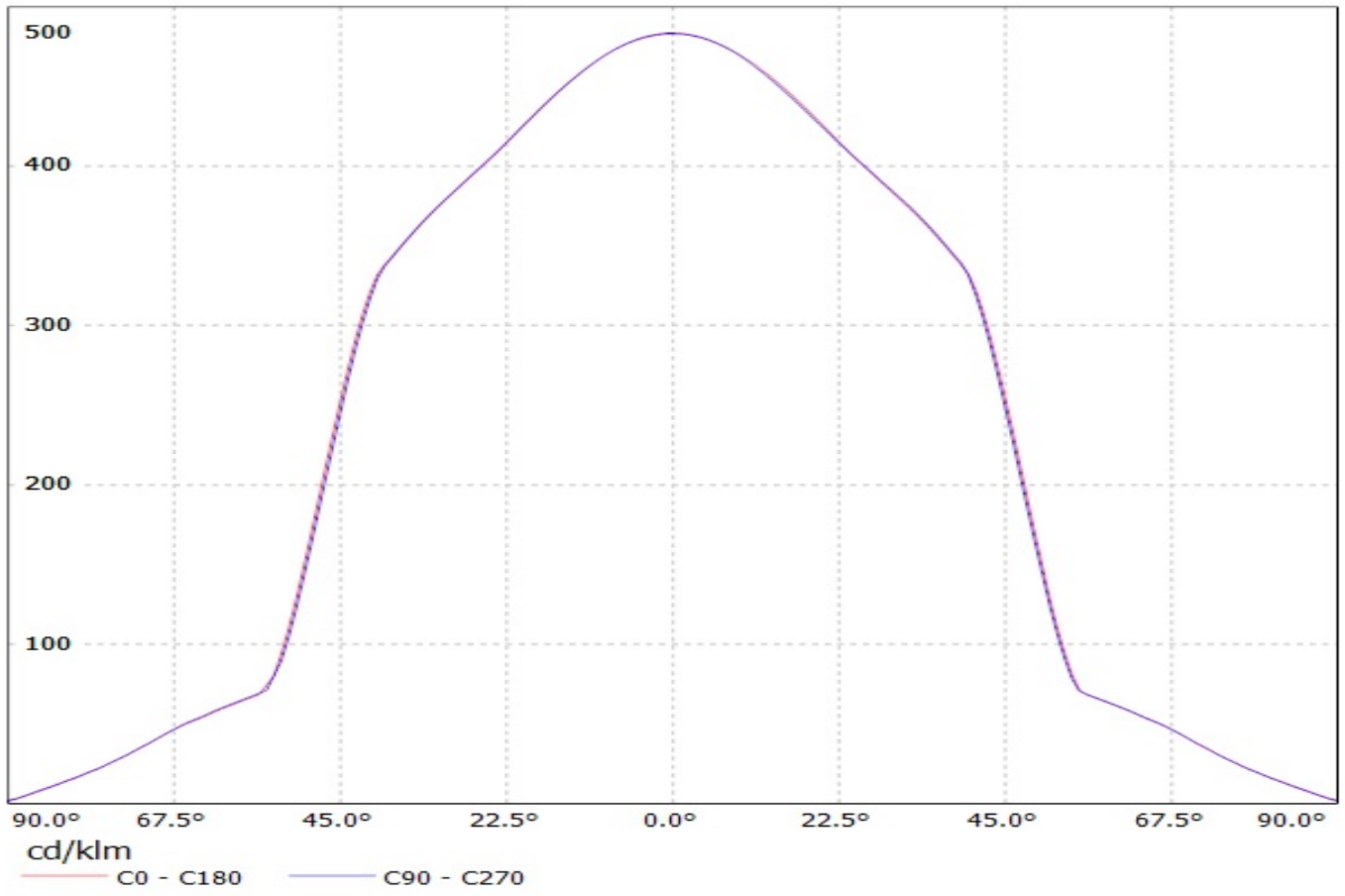


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CXM-22)

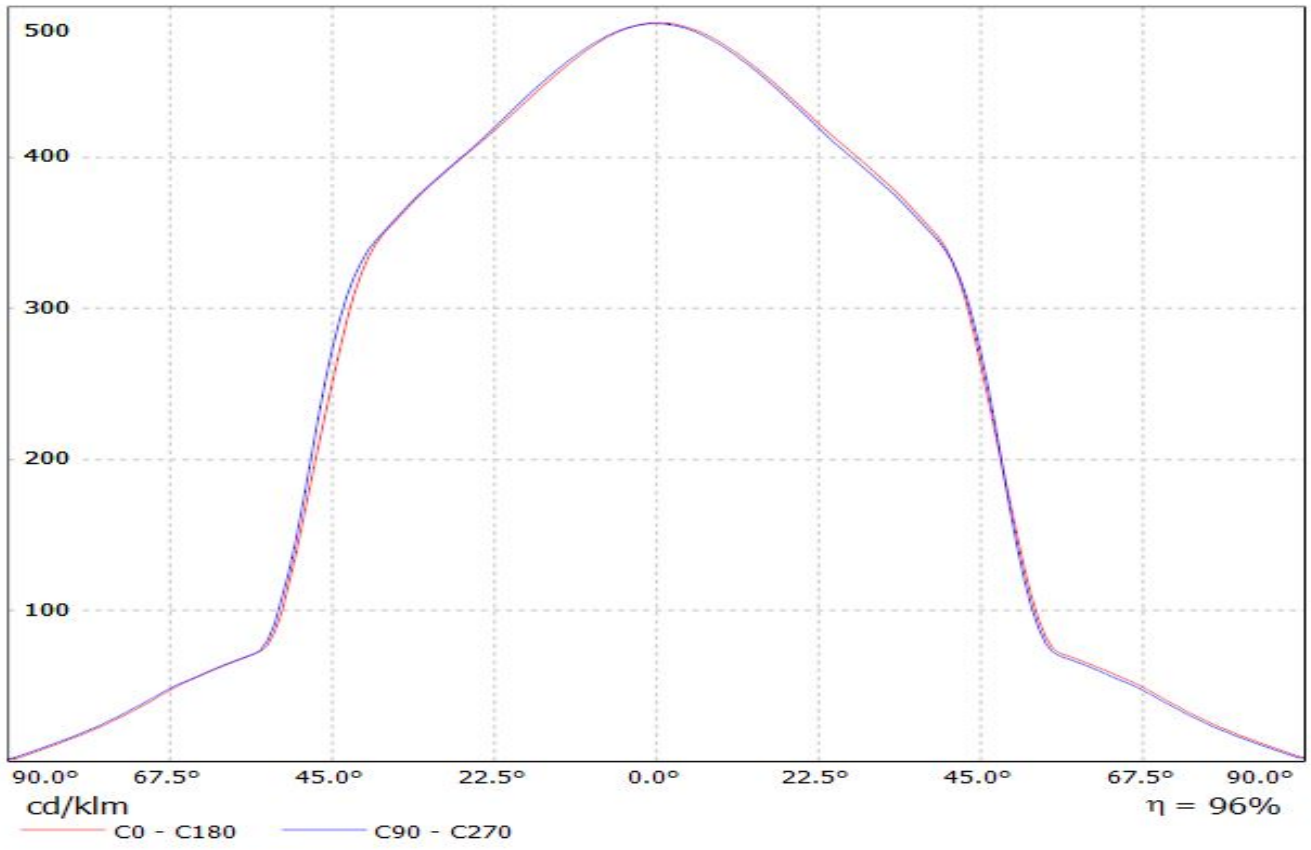
Lamps: 1 x LUMINUS\_CXM-22\_1221.8lm@250mA\_P=8.00809W\_CCT=3000K\_I=249.8mA



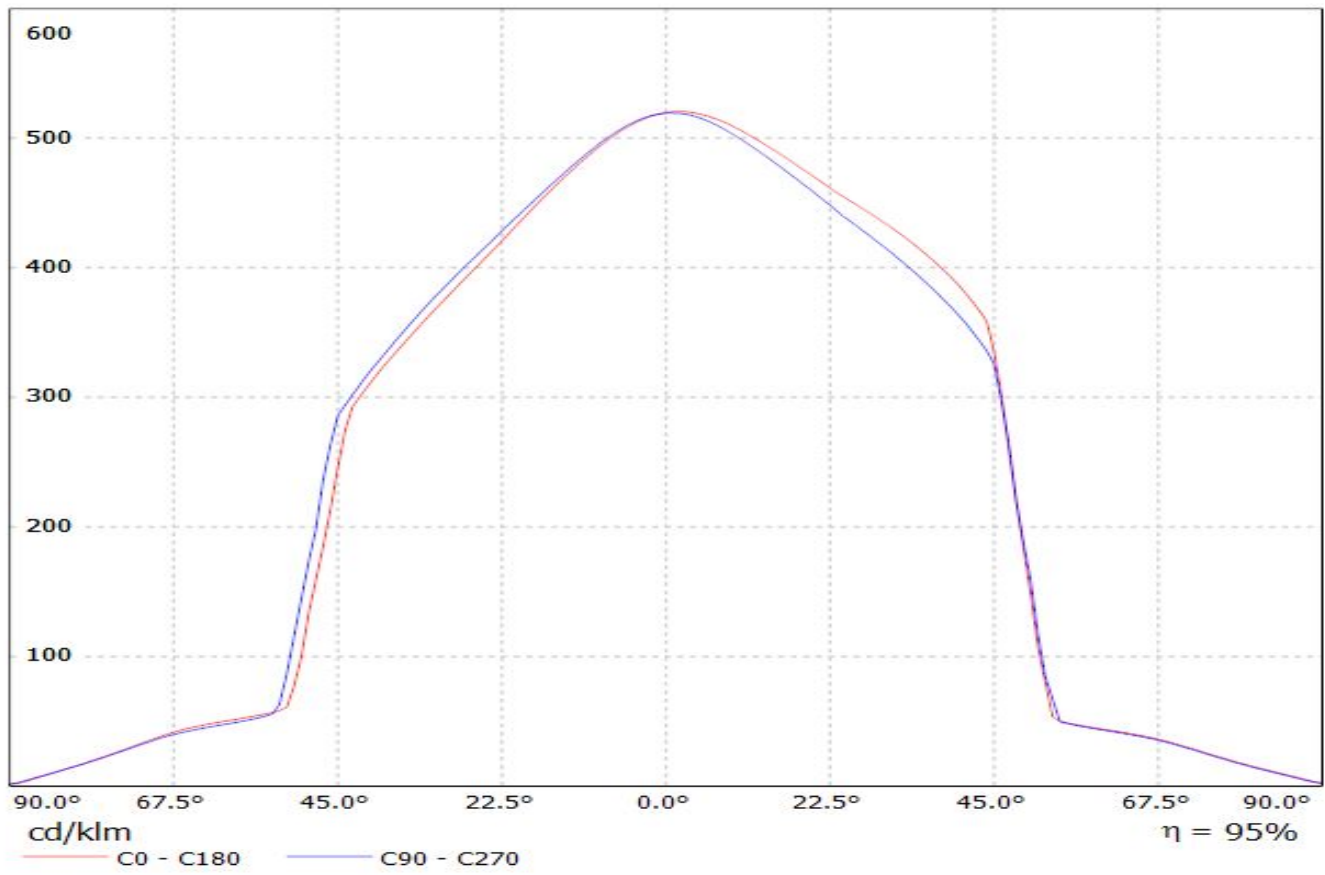
Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CLL042) Eff: 94%  
Lamps: 1 x Citizen\_CLL042\_(CLL042-1218A5-303H3-D2)\_959.2lm@250mA\_P=8.04978W\_I=0.2499A



Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(SOLERIQ\_E30)  
Lamps: 1 x Osram\_SOLERIQ\_E30\_1278.11lm@250mA\_P=10.0015W\_I=249.8mA

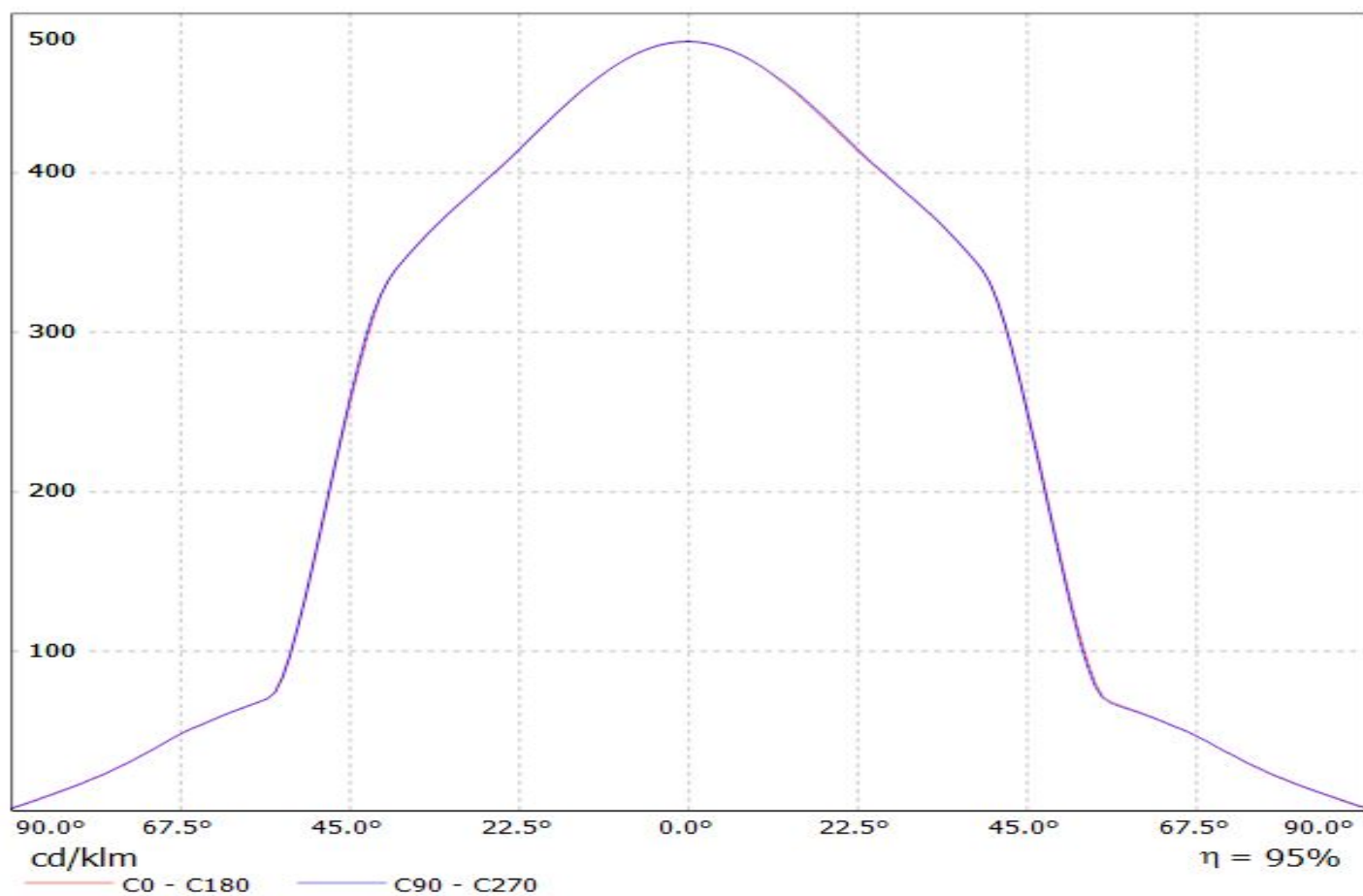


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(K12)  
Lamps: 1 x Luxeon\_K12\_950lm@250mA\_P=8.20472W\_I=249.9mA

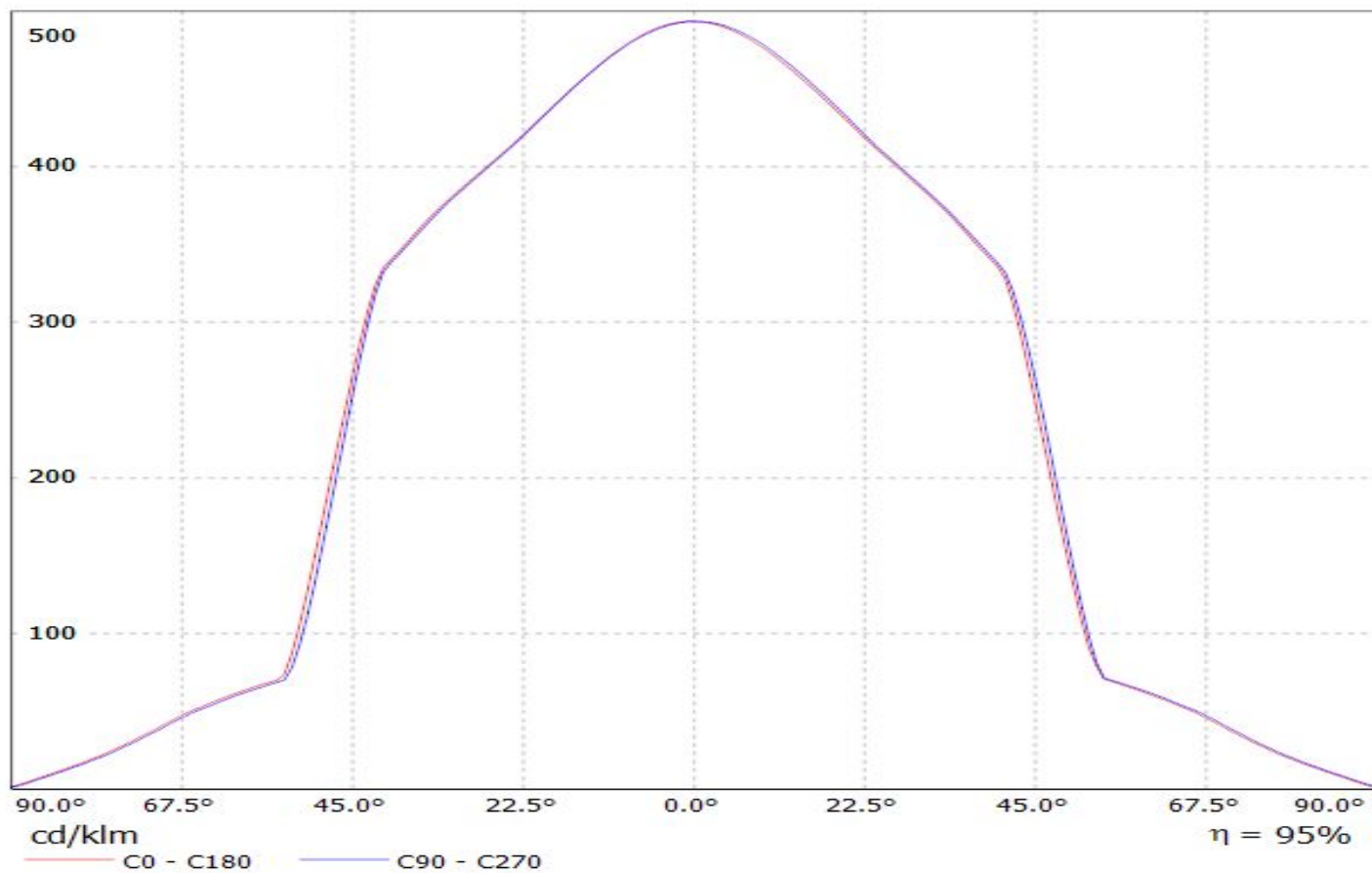


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(ZC40)

Lamps: 1 x SEOUL\_ZC40\_(SBWW5F1B)\_1185.55lm@250mA\_P=8.2384W\_I=249.8mA

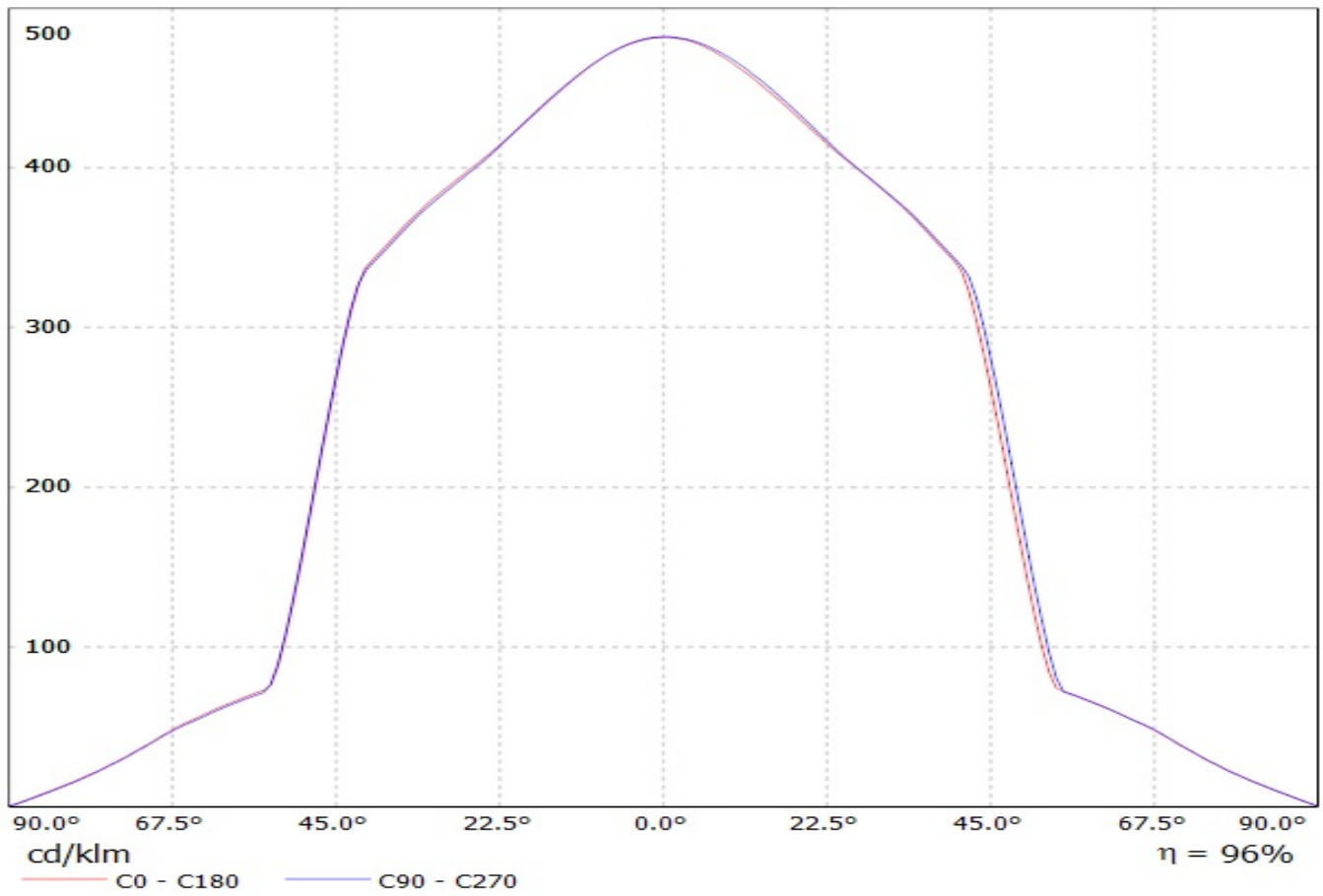


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B (Luxeon\_CoB\_1211)  
Lamps: 1 x LUXEON\_COB\_1211\_(LHC1-2790-1211)  
\_923.583lm@250mA\_CCT=2700K\_P=8.00909W\_I=249.8mA

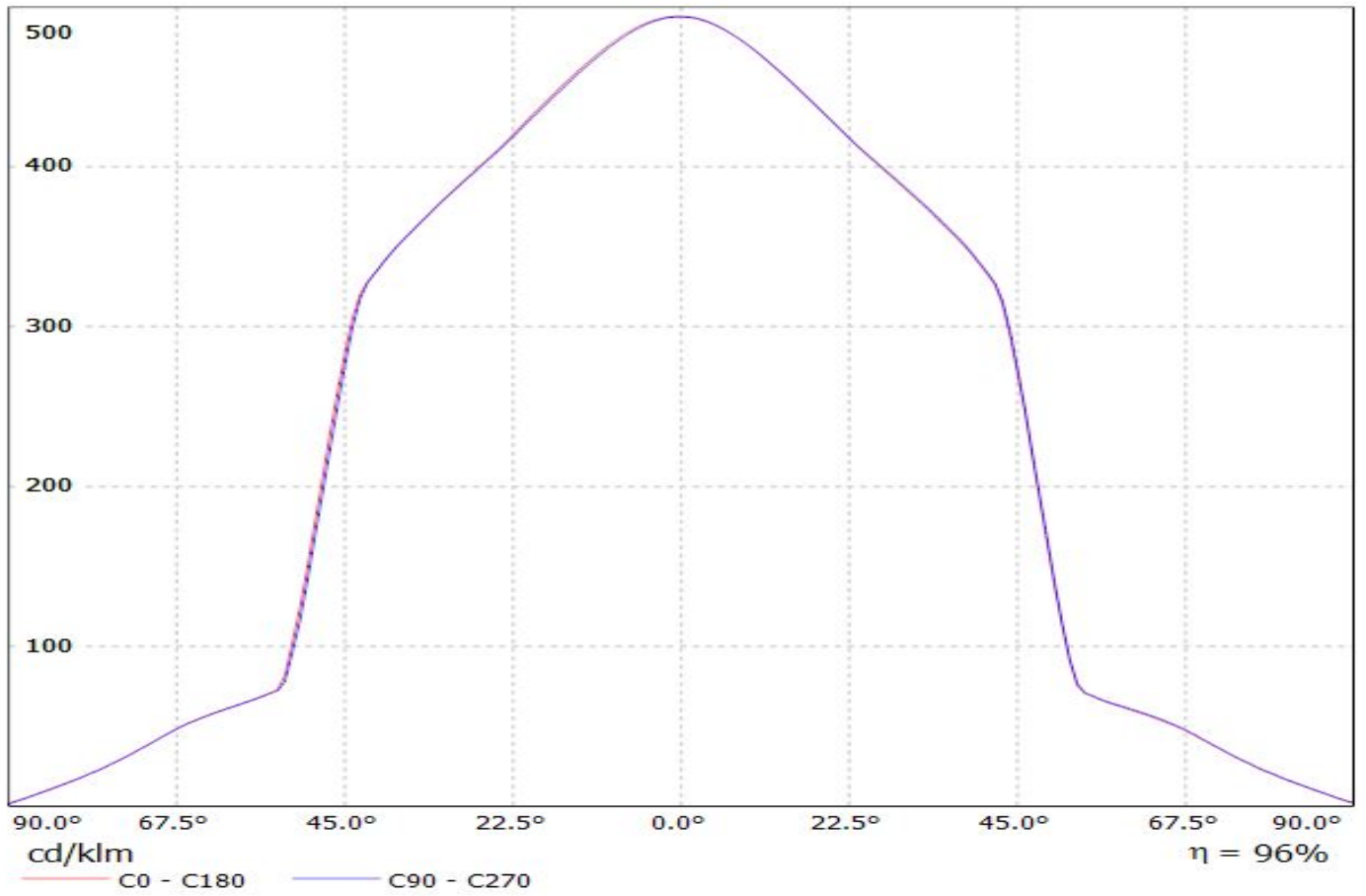


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(Luxeon\_CoB\_1211)\_(BJB2030)

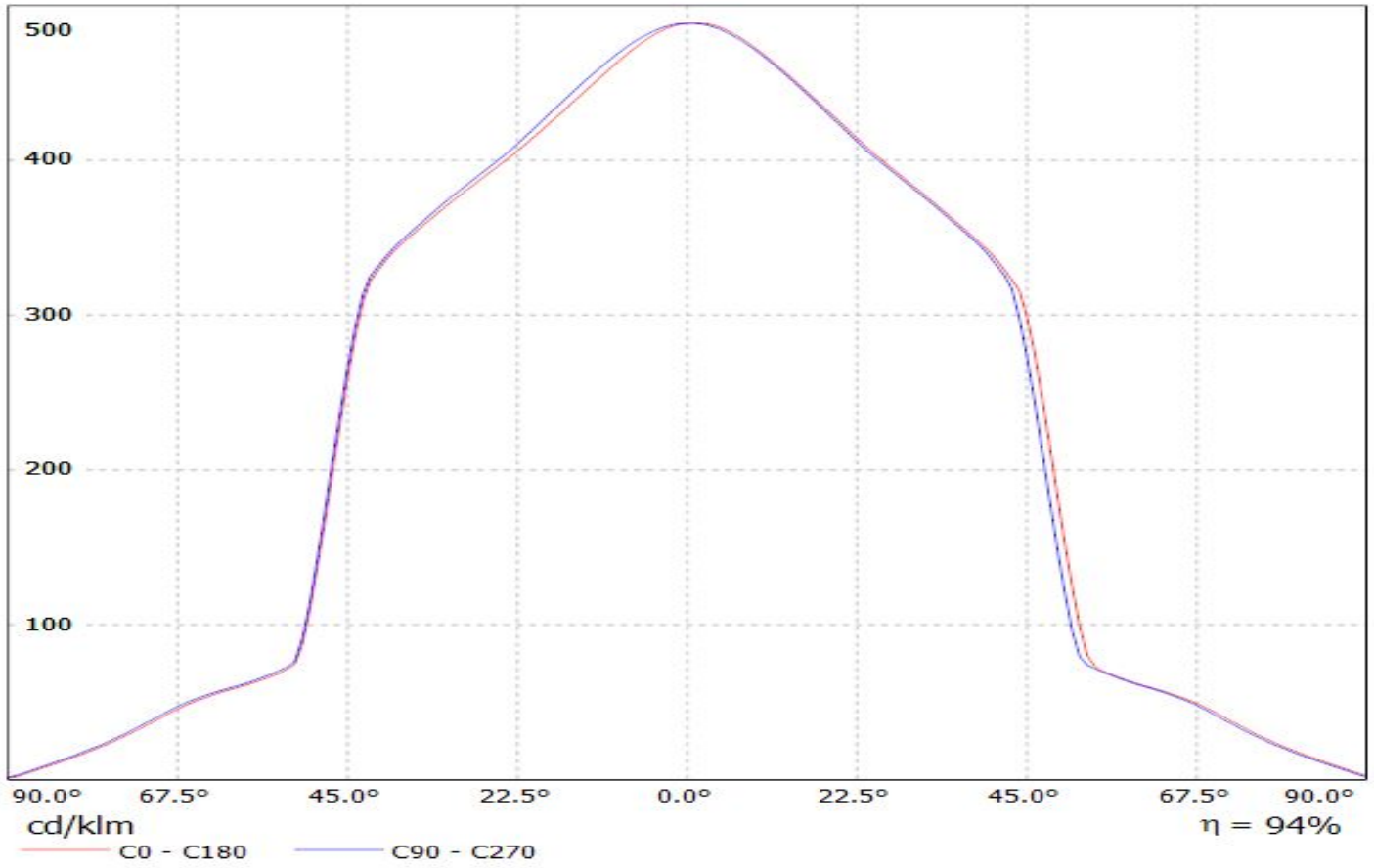
Lamps: 1 x Luxeon\_CoB\_1211\_(LHC1-5780-1211)\_(BJB2030)\_1330.16lm@250mA\_P=8.03503W\_I=0.2499A



Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(S19) Eff.95.9%  
Lamps: 1 x Osram\_SOLERIQ\_S19\_1434.85lm@250mA\_P=10.5595W\_I=249.8mA

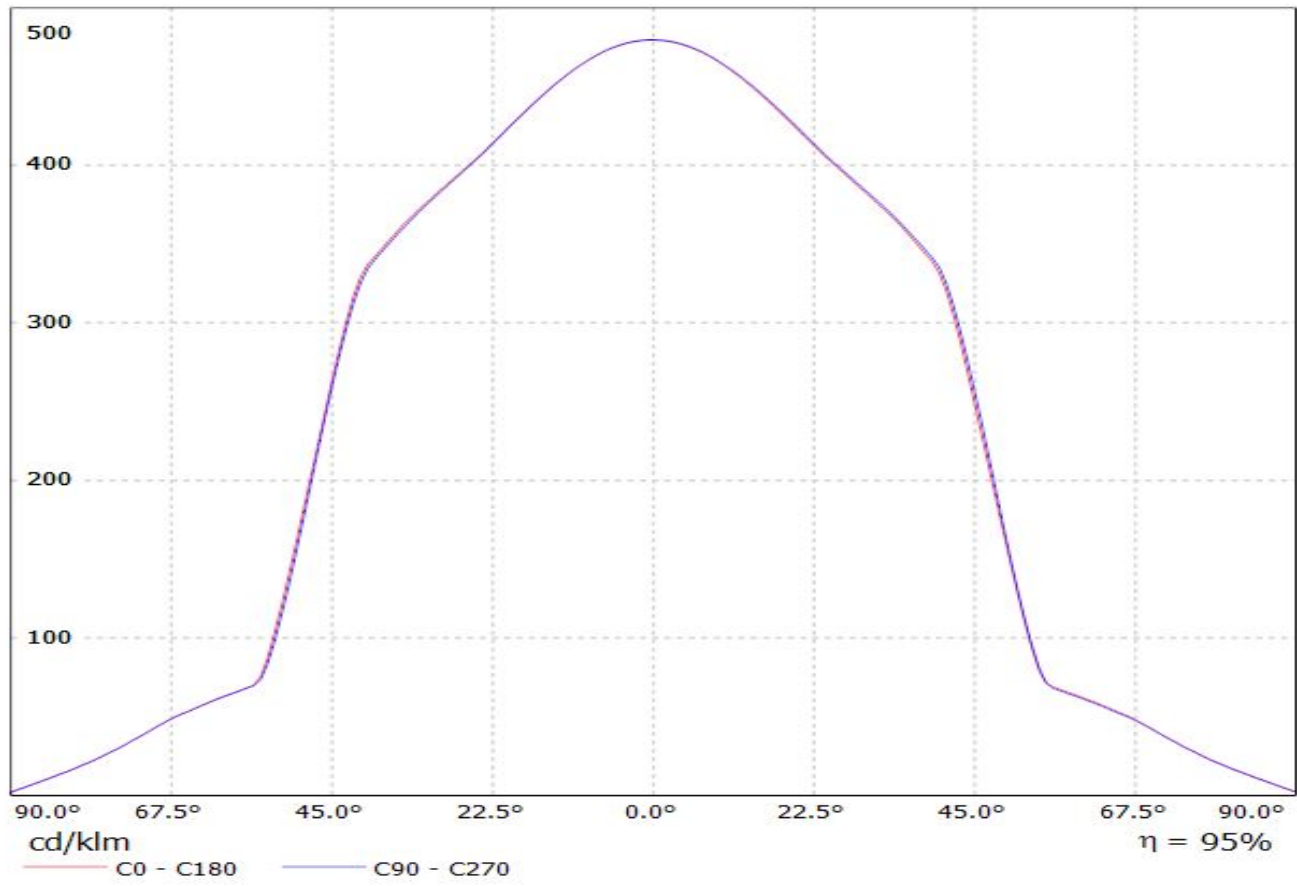


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CXM-14)  
Lamps: 1 x LUMINUS\_XNOVA\_CXM-14\_(AC00)  
\_1068.5lm@250mA\_CCT=3126K\_P=8.31834W\_I=249.8mA



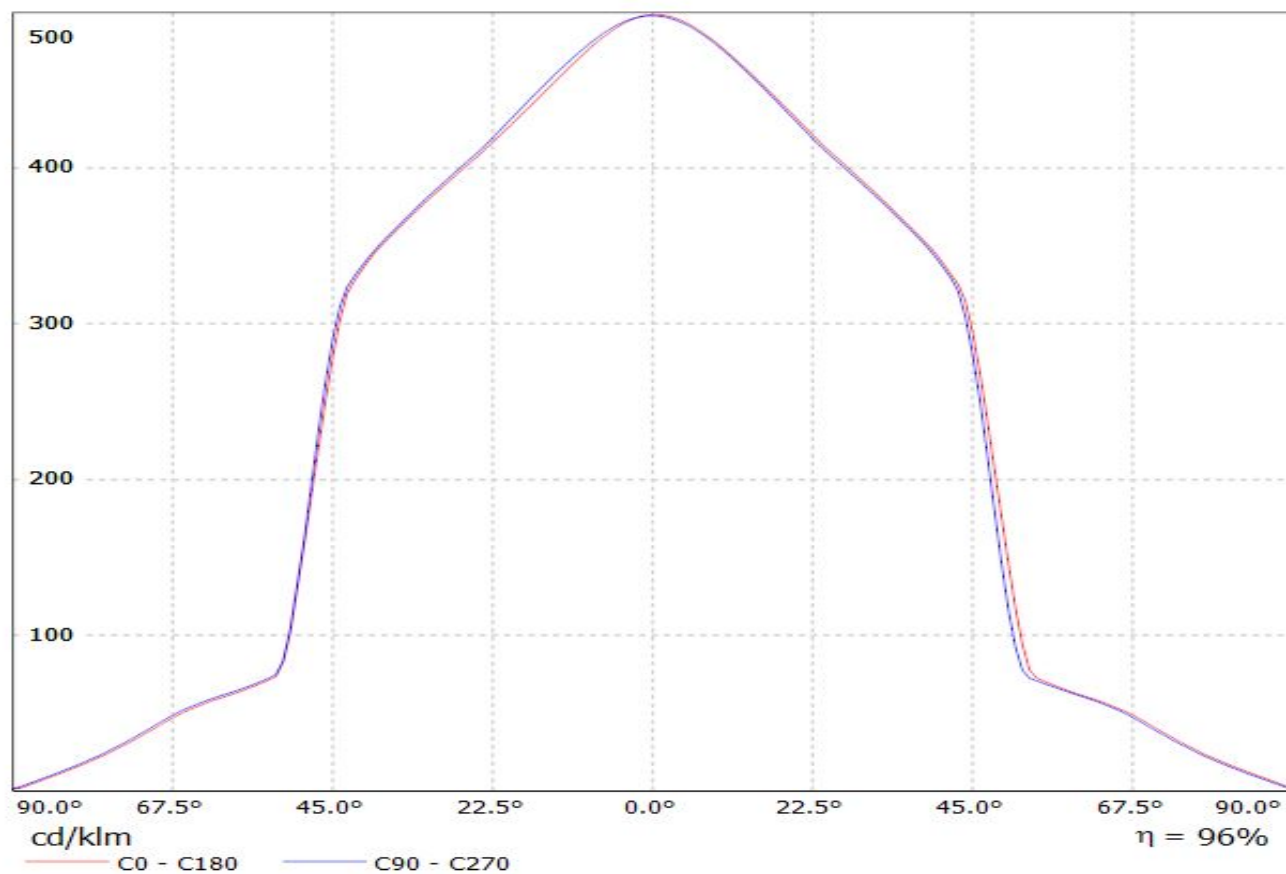
Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CLU044)

Lamps: 1 x Citizen\_CLU044\_(CLU044-1212B8-303M1A2)\_1300.9lm@250mA\_P=8.14849W\_I=249.9mA



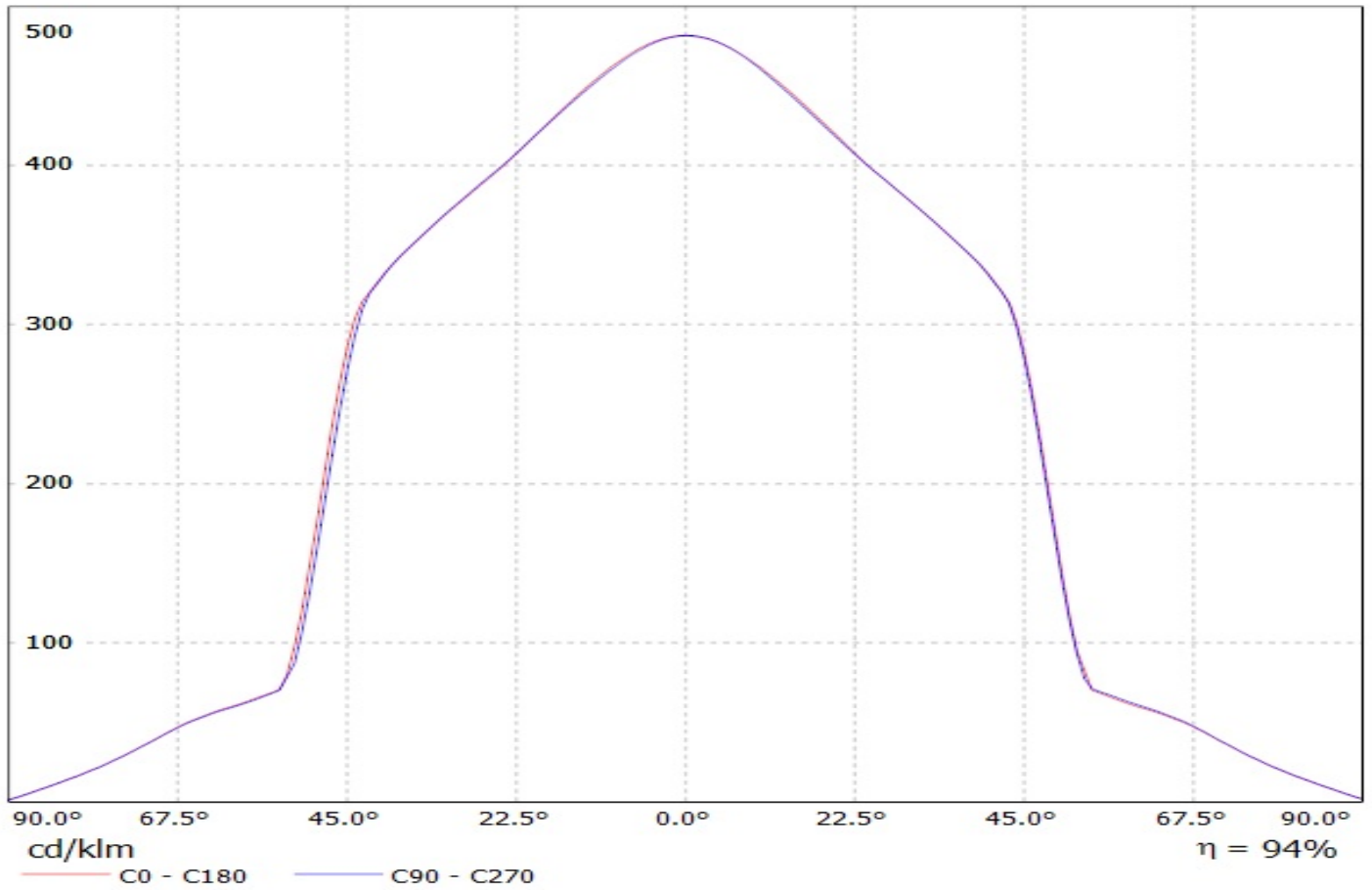
Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CLL030)

Lamps: 1 x CITIZEN\_CLL030\_(CLL030-1206A1303M1A2)\_1050lm@250mA\_P=8.45787W\_I=249.9mA



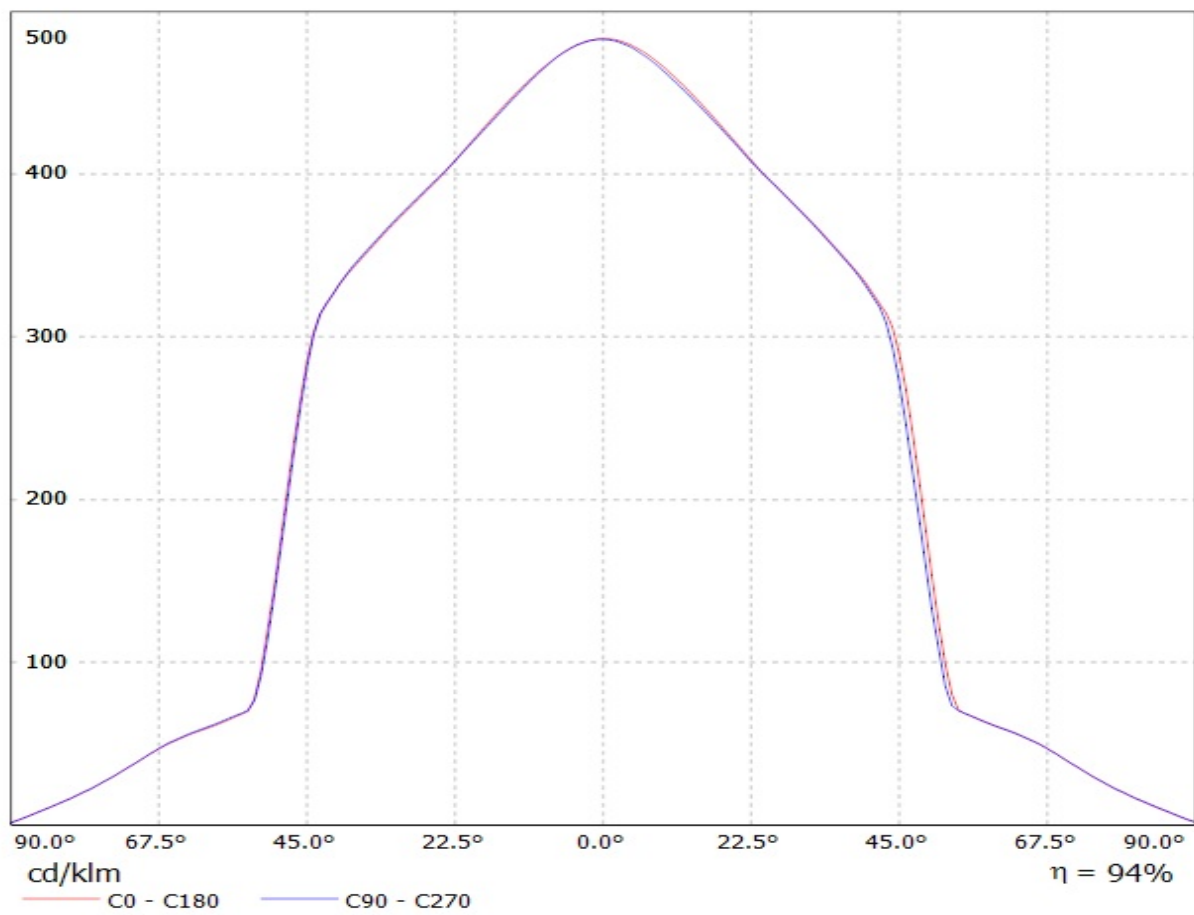
Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(Mega Zenigata\_GW5DGC)

Lamps: 1 x Sharp\_Mega\_Zenigata\_GW5DGC\_900lm@250mA\_P=8.6146W\_I=249.8mA

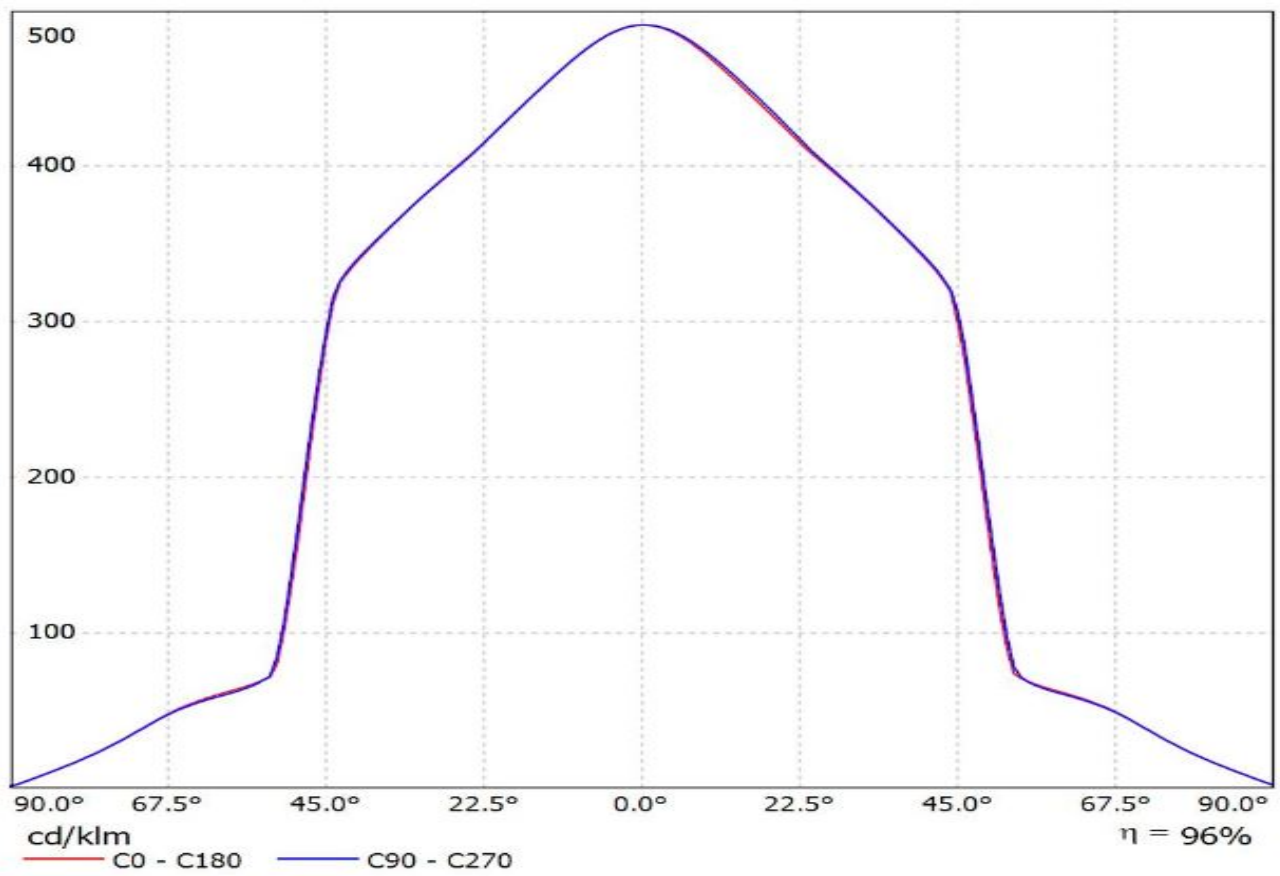


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(Mega\_Zenigata\_GW6DME)

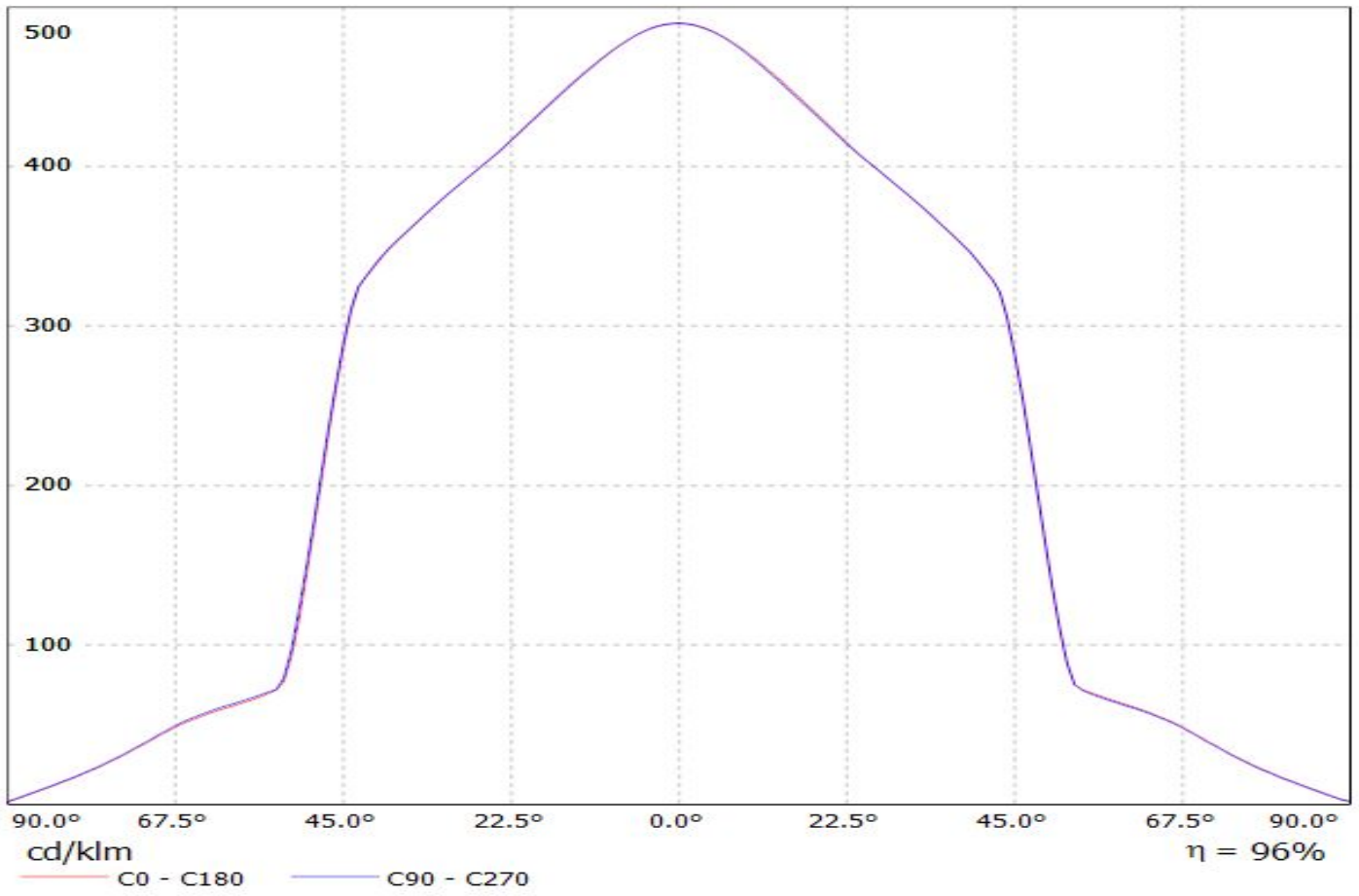
Lamps: 1 x Sharp\_Mega\_Zenigata\_GW6DME\_(GW6DME30NFC)\_1285lm@250mA\_CCT=3038K\_P=11.1456W\_I=249.8mA



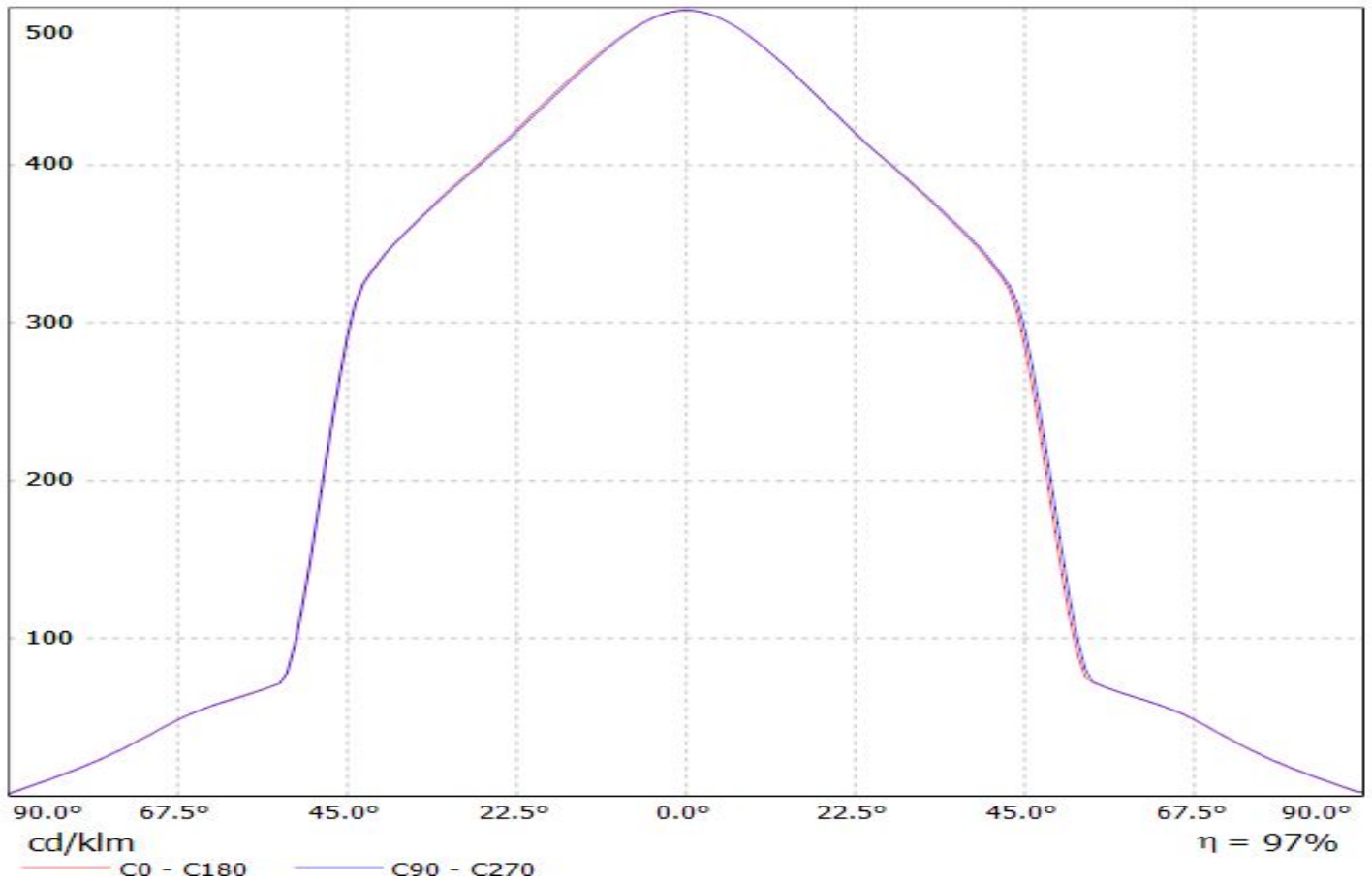
Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(SOLERIQ\_P13)  
Lamps: 1 x SOLERIQ\_P13\_(GW\_MAGMB1.EM)\_1053.65lm@250mA\_CCT=3000K\_P=8.82044W\_I=249.8mA



Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(Luxeon\_CoB\_1208)  
Lamps: 1 x Luxeon\_CoB\_1208\_1057.71lm@250mA\_P=8.26438W\_I=249.8mA

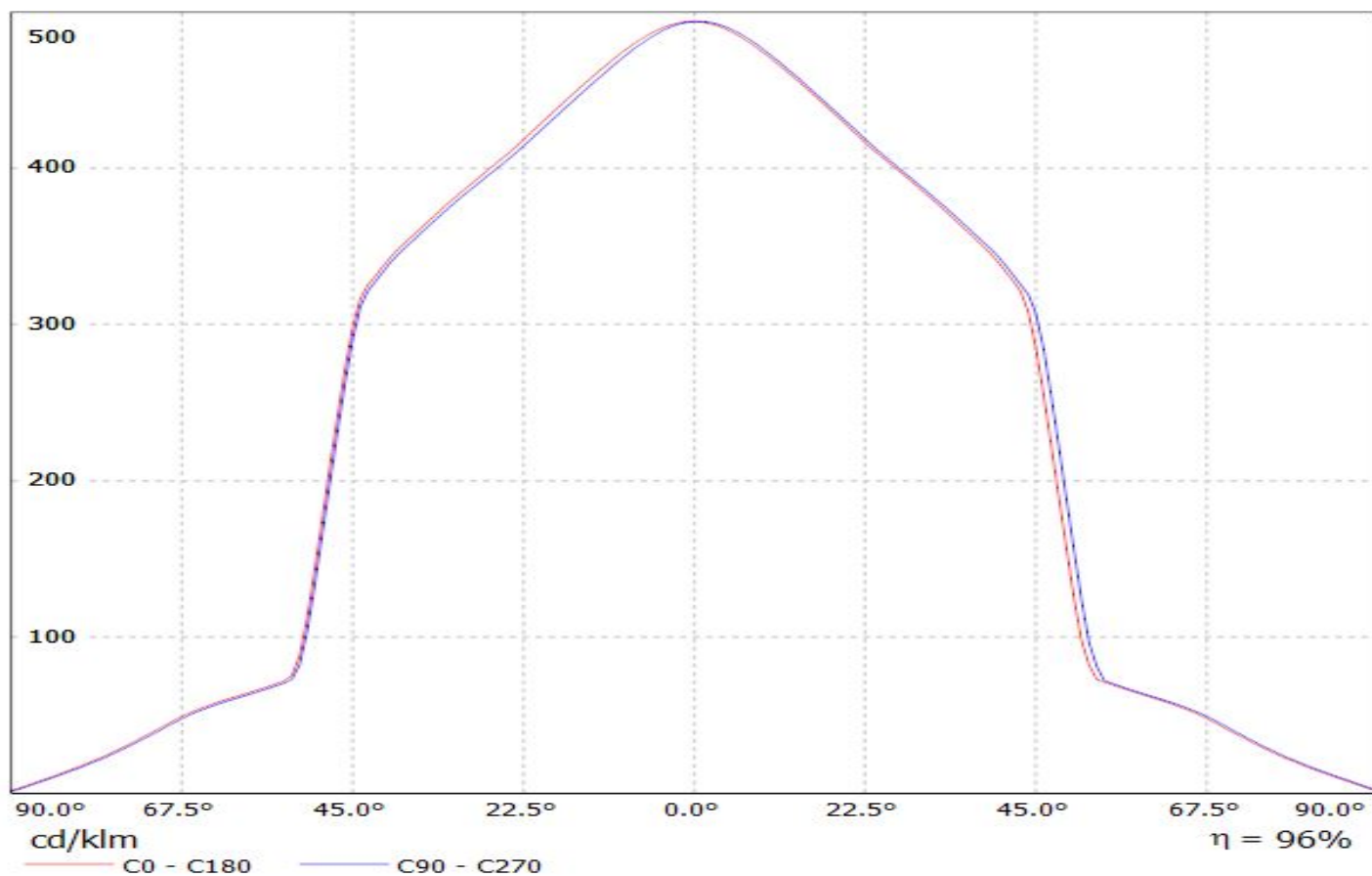


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(MegaZenigata\_GW6)  
Lamps: 1 x Sharp\_MegaZenigata\_GW6\_(GW6DME30NFC)  
\_1266.19lm@250mA\_CCT=3038K\_P=11.2151W\_I=250.6mA



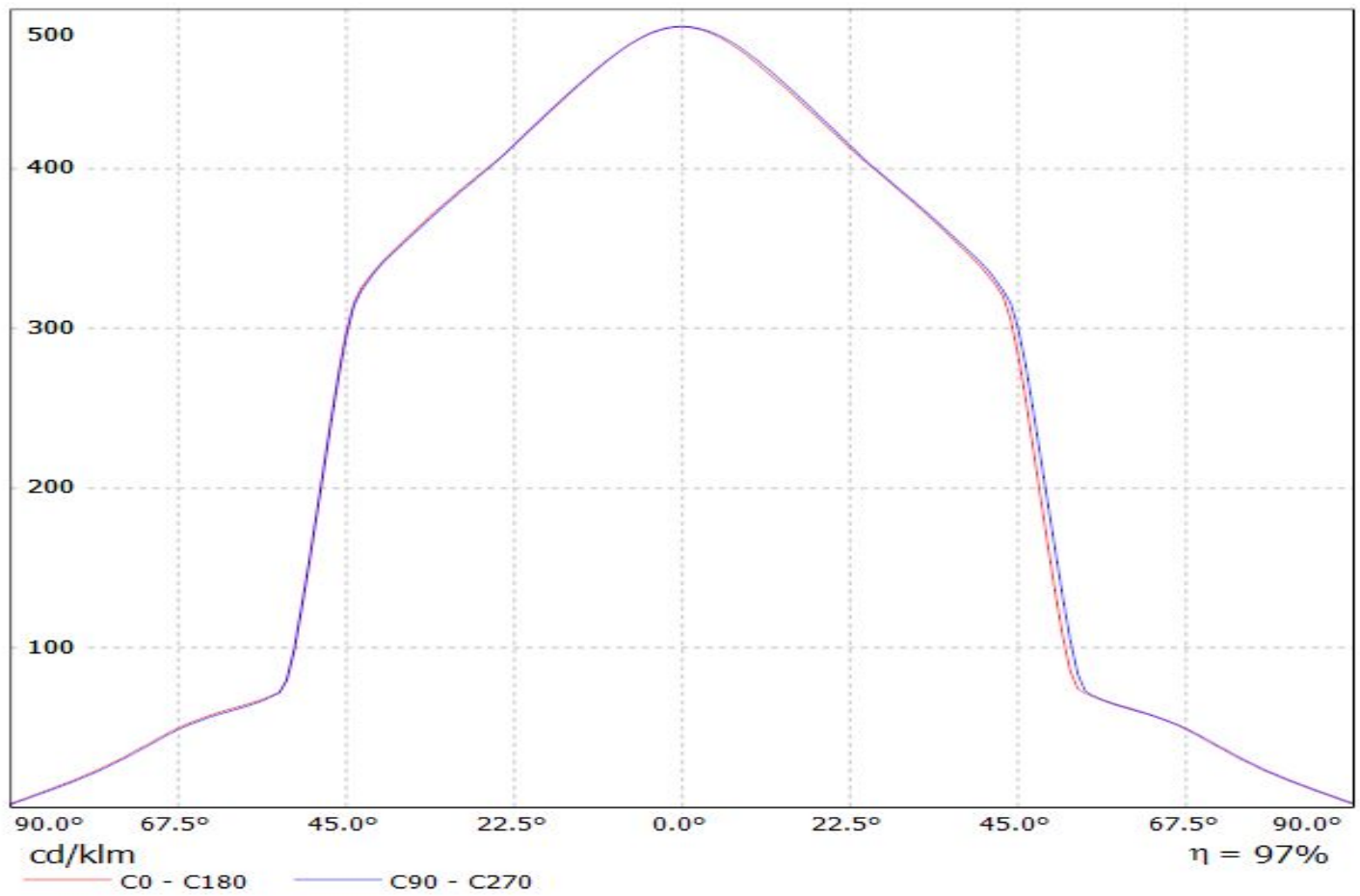
Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(LG\_COB\_10W)

Lamps: 1 x LG\_COB\_10W\_(LEMWM18580LG00)\_917.757lm@250mA\_P=9.31304W\_I=249.8mA



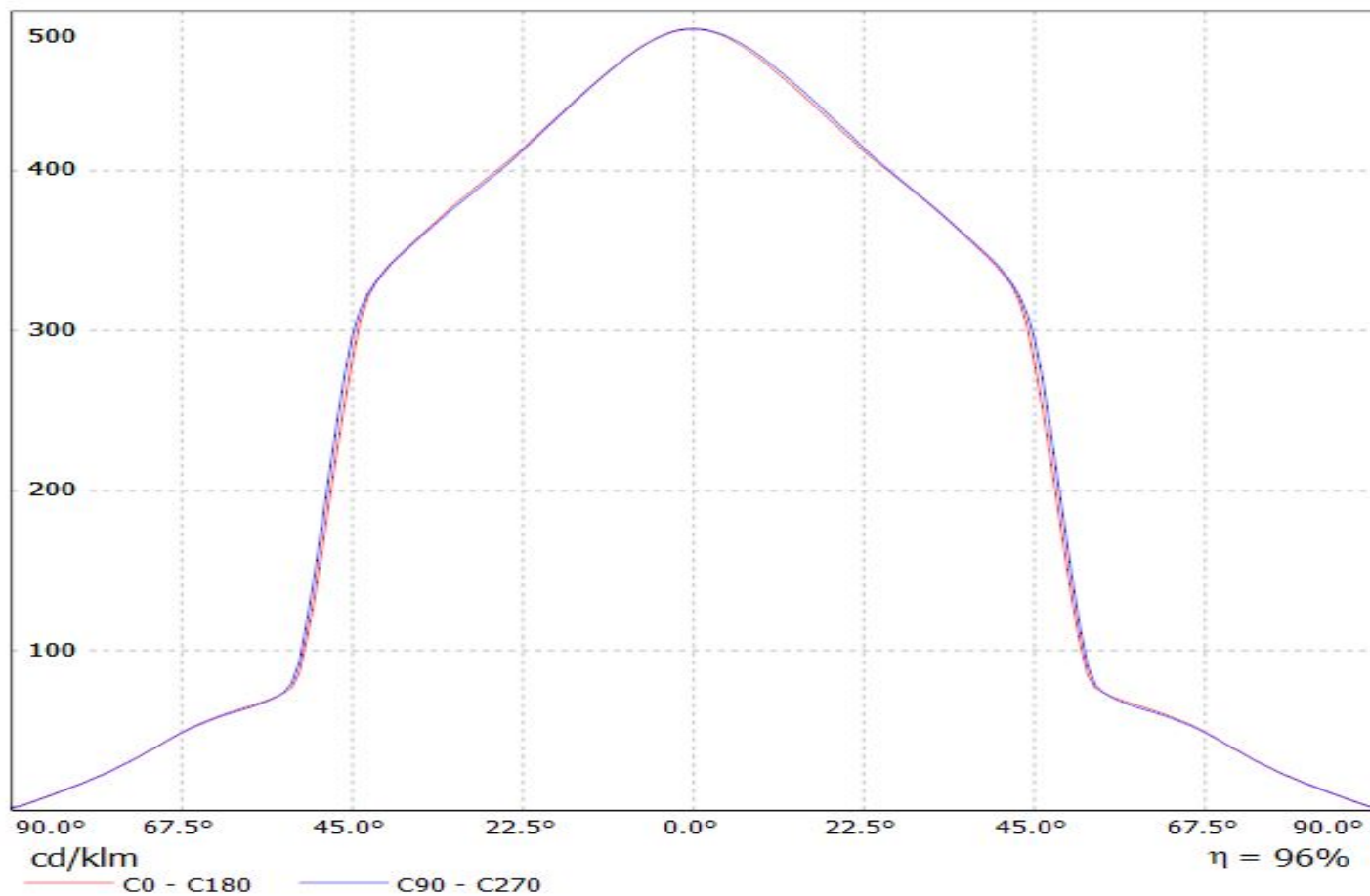
Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CLU034)

Lamps: 1 x Citizen\_CLU034\_(CLU034-1205B8-303M1A2)\_1159.11lm@250mA\_P=8.46586W\_I=249.9mA



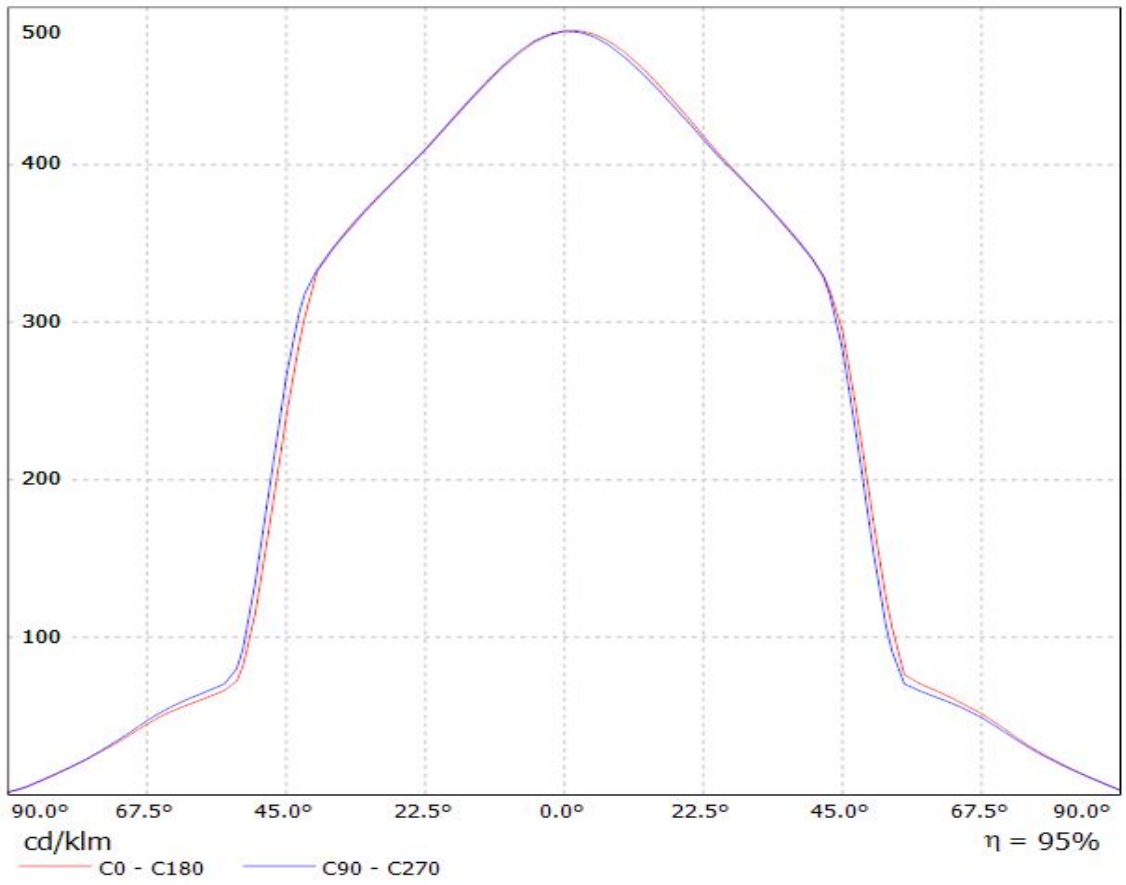
Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(ZC12)

Lamps: 1 x SEOUL\_ZC12\_(SDW82F1C)\_1240.73lm@250mA\_P=8.68405W\_I=249.8mA

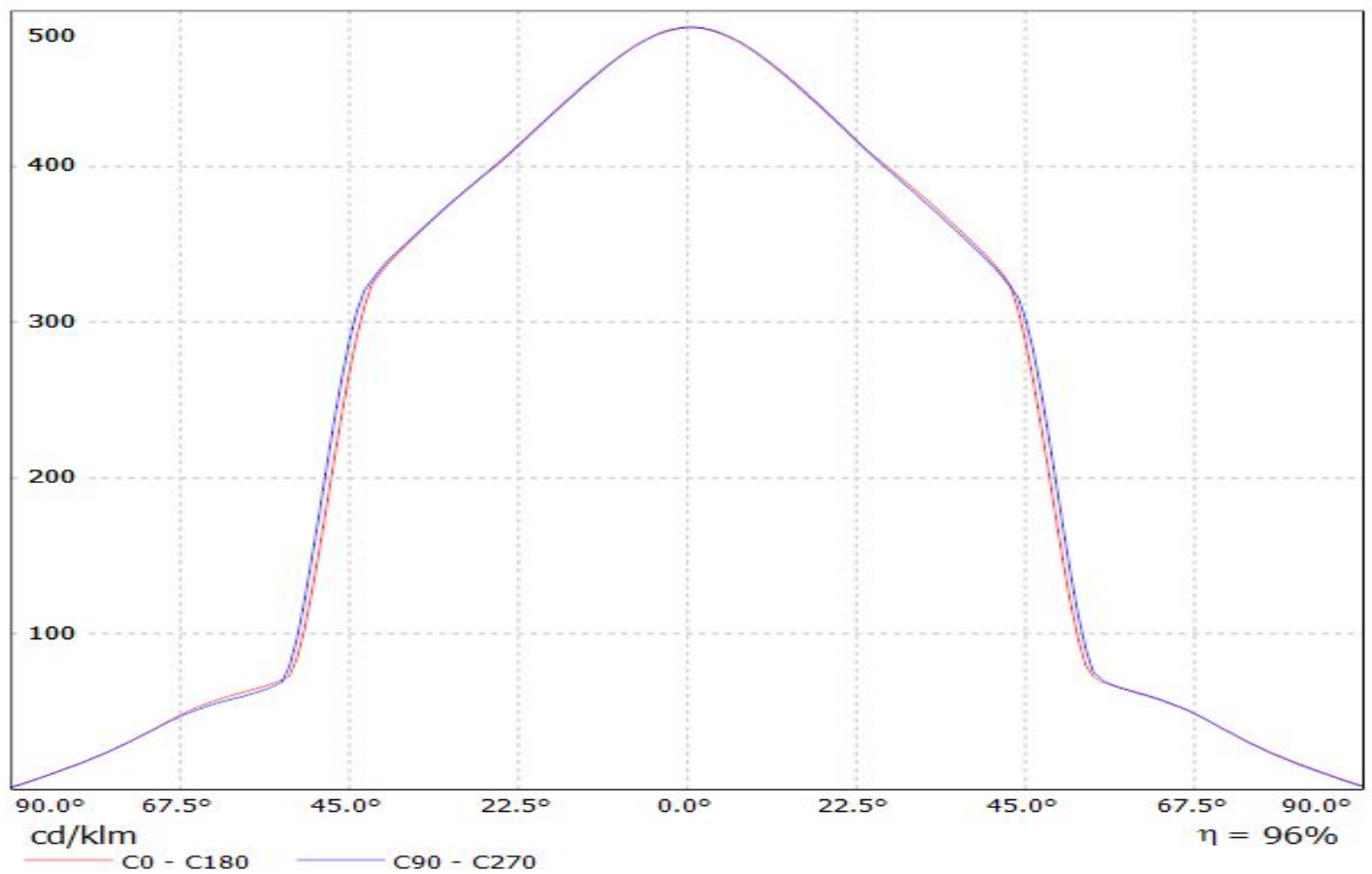


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CXA2590)

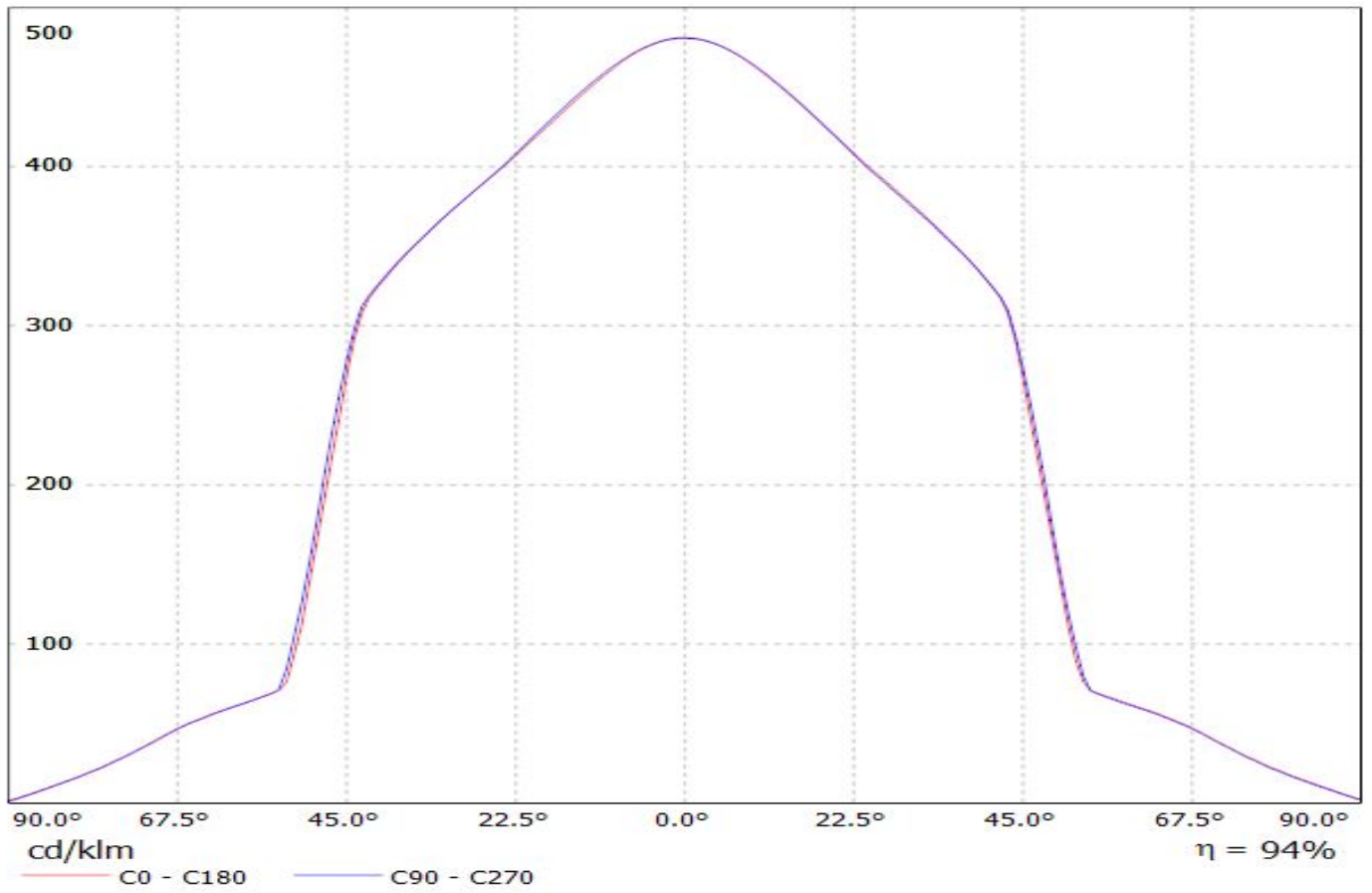
Lamps: 1 x CREE\_CXA2590\_(CXA2590-30F-Z4-RPH-00001)\_837.275lm@100mA\_CCT=3000K\_P=6.36316W\_I=100.1mA



Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(STARK\_SLE\_G3\_LES17)  
Lamps: 1 x TRIDONIC\_STARK\_SLE\_G3\_LES17\_(STARK-SLE-PURE\_G3-17-2000-840-CLA)  
\_1030.26lm@250mA\_CCT=2000K\_P=8.34707W\_I=249.8mA

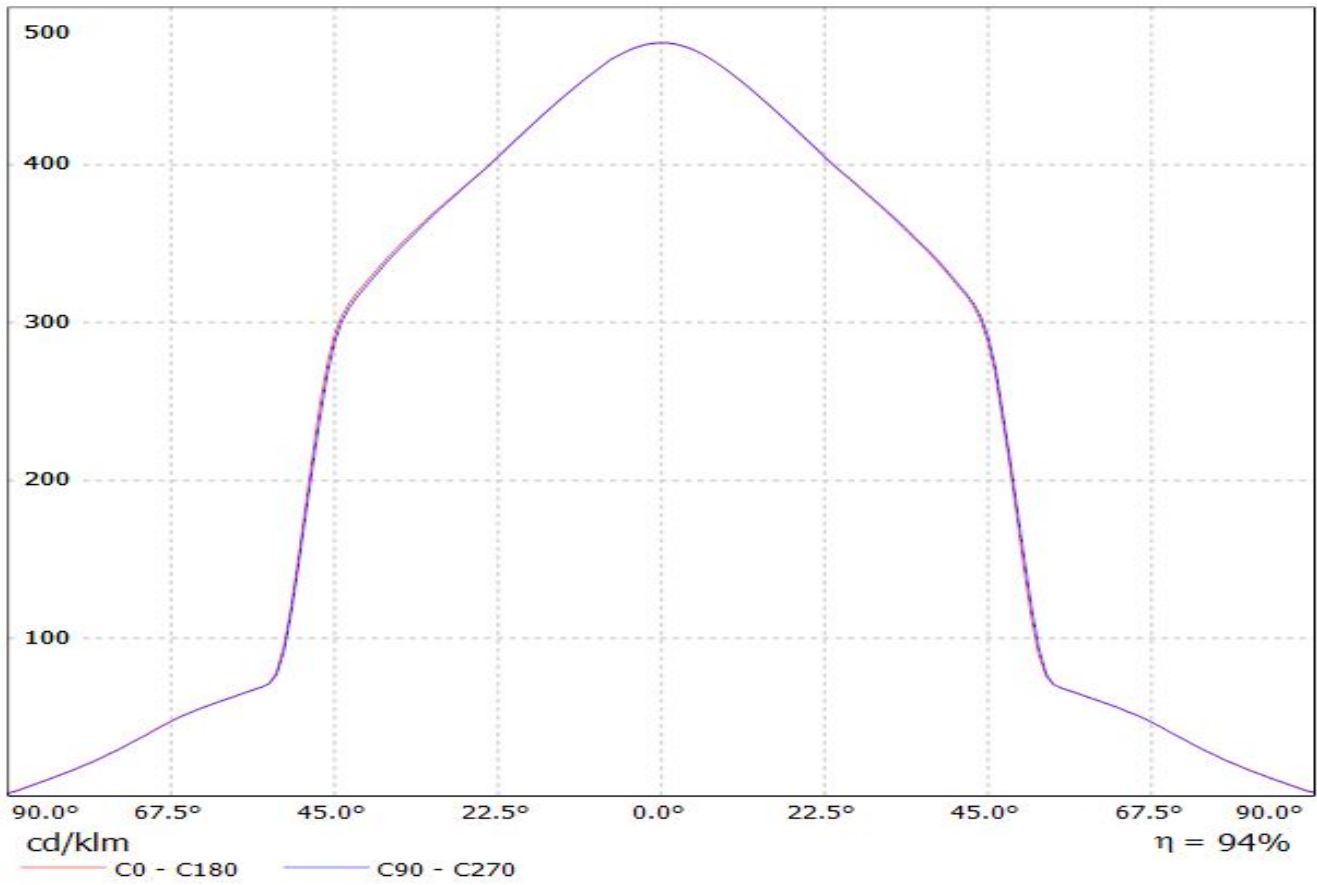


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(Soleriq S19) Eff.96.7%  
Lamps: 1 x OSRAM\_SOLERIQ\_S19\_(GW\_KAHJB1.EM)  
\_1487.65lm@250mA\_CCT=3000K\_P=10.558W\_I=249.8mA

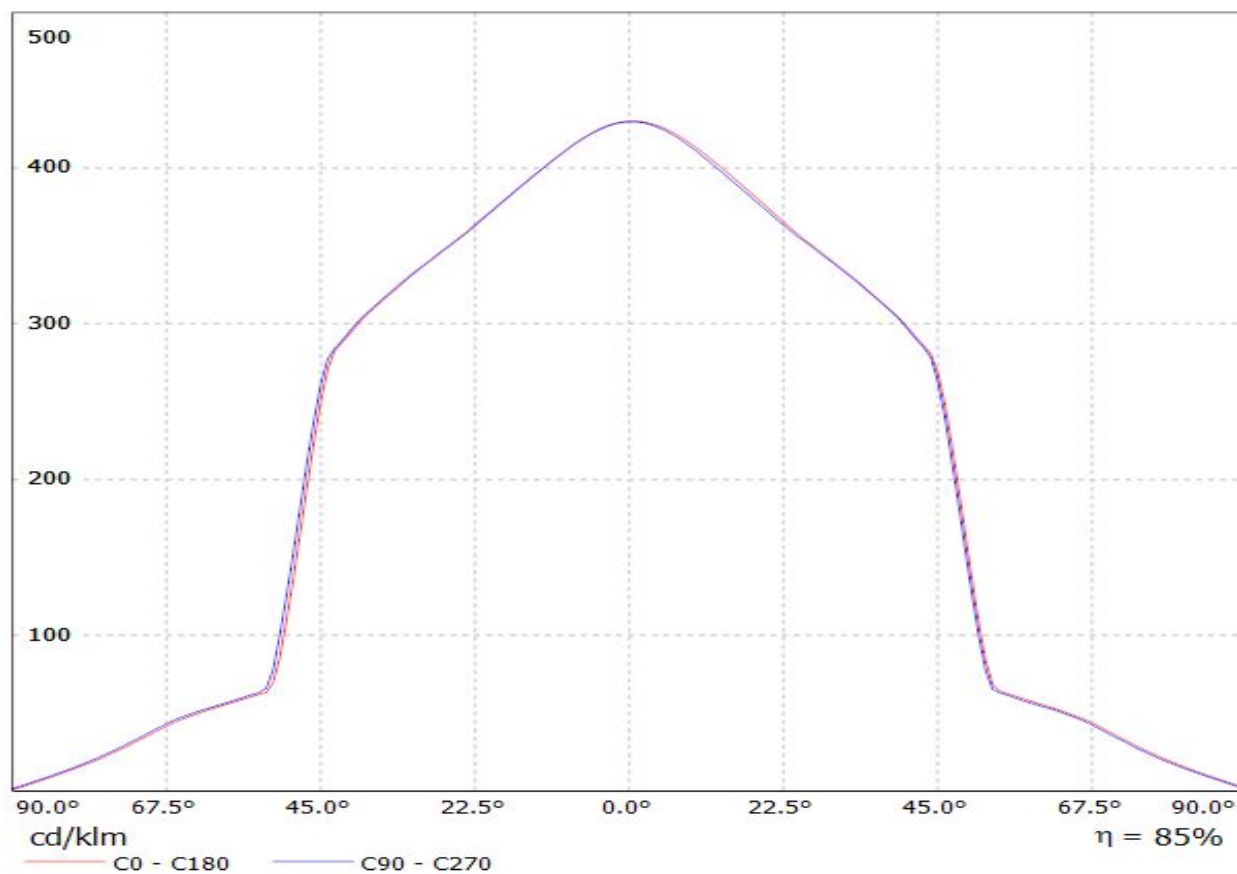


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(BXRA\_ES)

Lamps: 1 x BXRA\_ES\_(W1203-102820-3110)\_298m@250mA\_P=4.09661W\_I=249.9mA

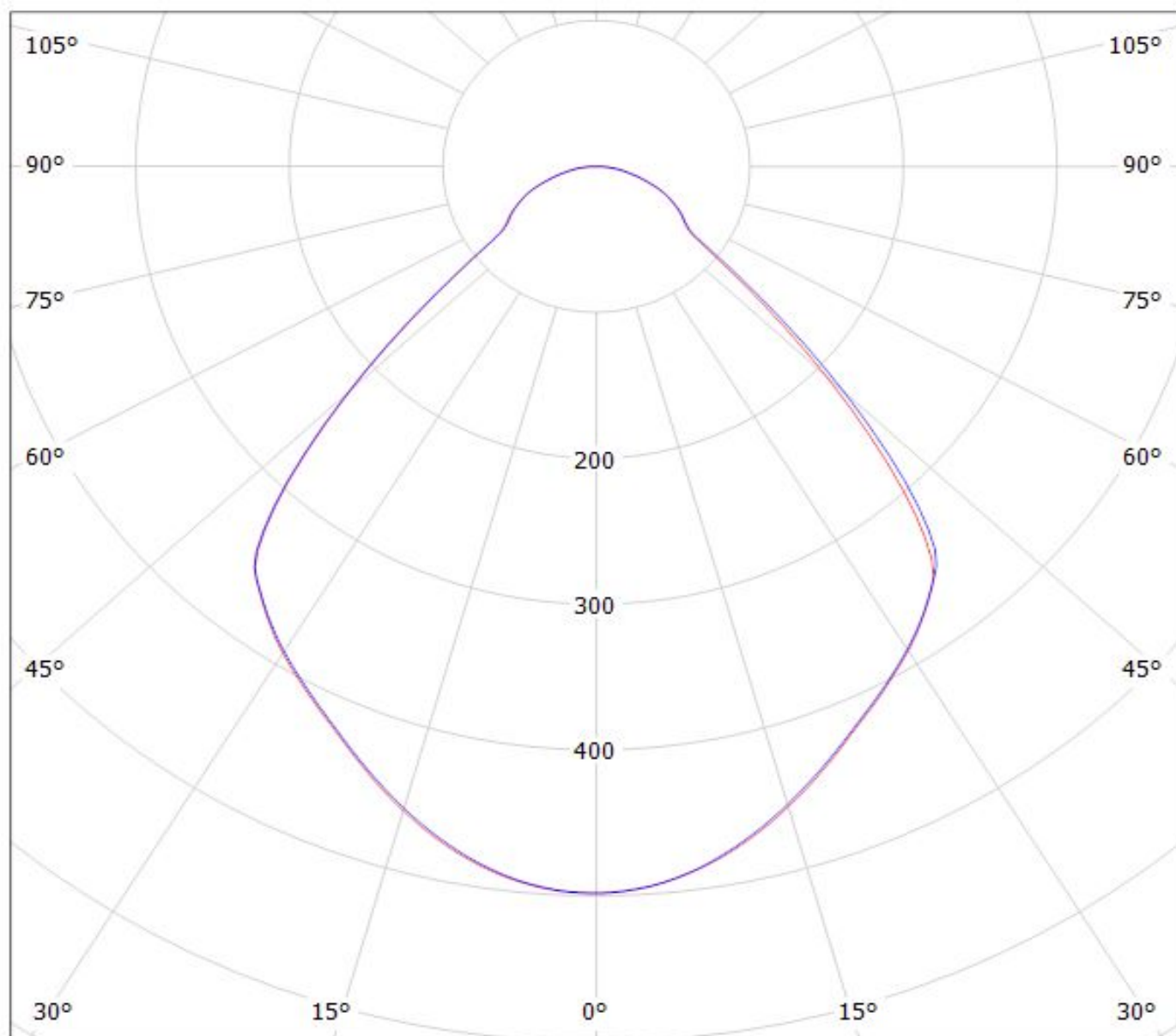


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B (Luxeon\_CoB\_1205)  
Lamps: 1 x LUXEON\_COB\_1205\_(LHC1-3080-1205)\_1274.35lm@250mA\_CCT=3000K\_P=11.183W\_I=249.8mA



Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(SLE G4 LES23)

Lamps: 1 x Tridonic\_SLE\_G4\_LES23\_1428.75lm@250mA\_P=8.19944W\_I=0.2498A



cd/klm

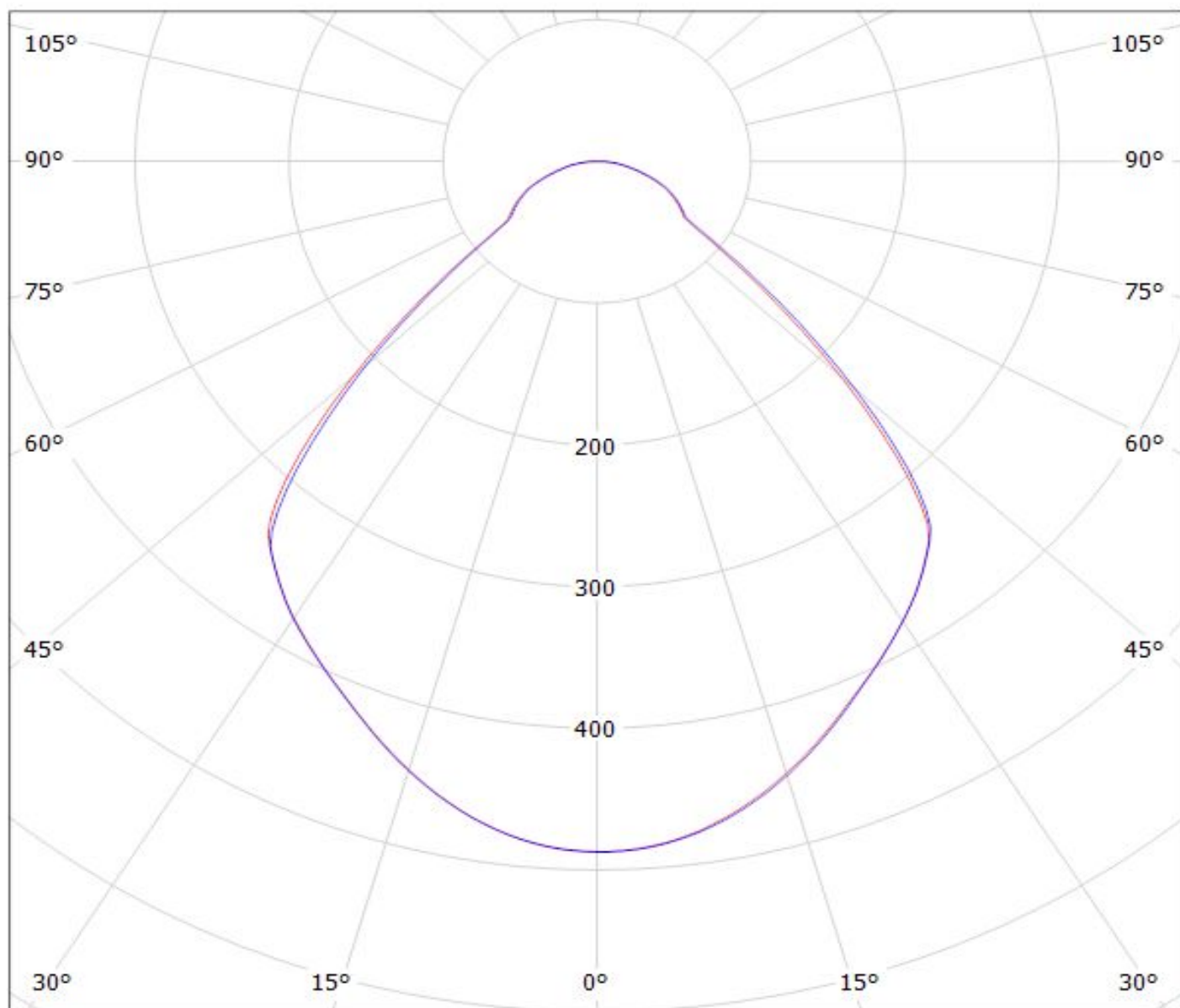
— C0 - C180

— C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(COB\_40W)

Lamps: 1 x LG\_COB\_40W\_1163.31lm@250mA\_CCT=3000K\_P=8.04906W\_I=249.8mA



cd/klm

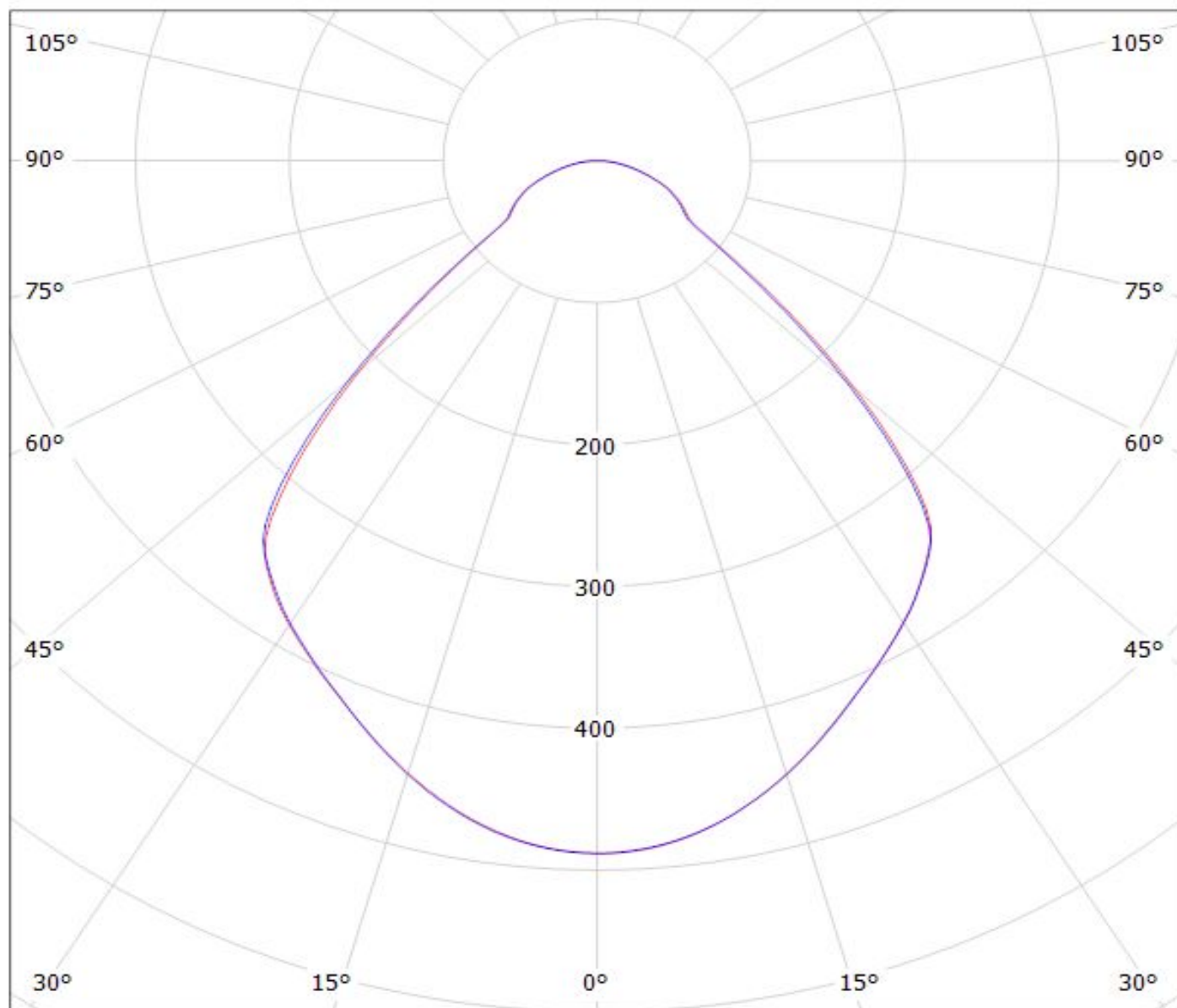
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CXA30)

Lamps: 1 x Cree\_CXA30\_(CXA3050-3C0-Y2-N0H)\_1395.36lm@250mA\_P=8.20318W\_I=249.8mA



cd/klm

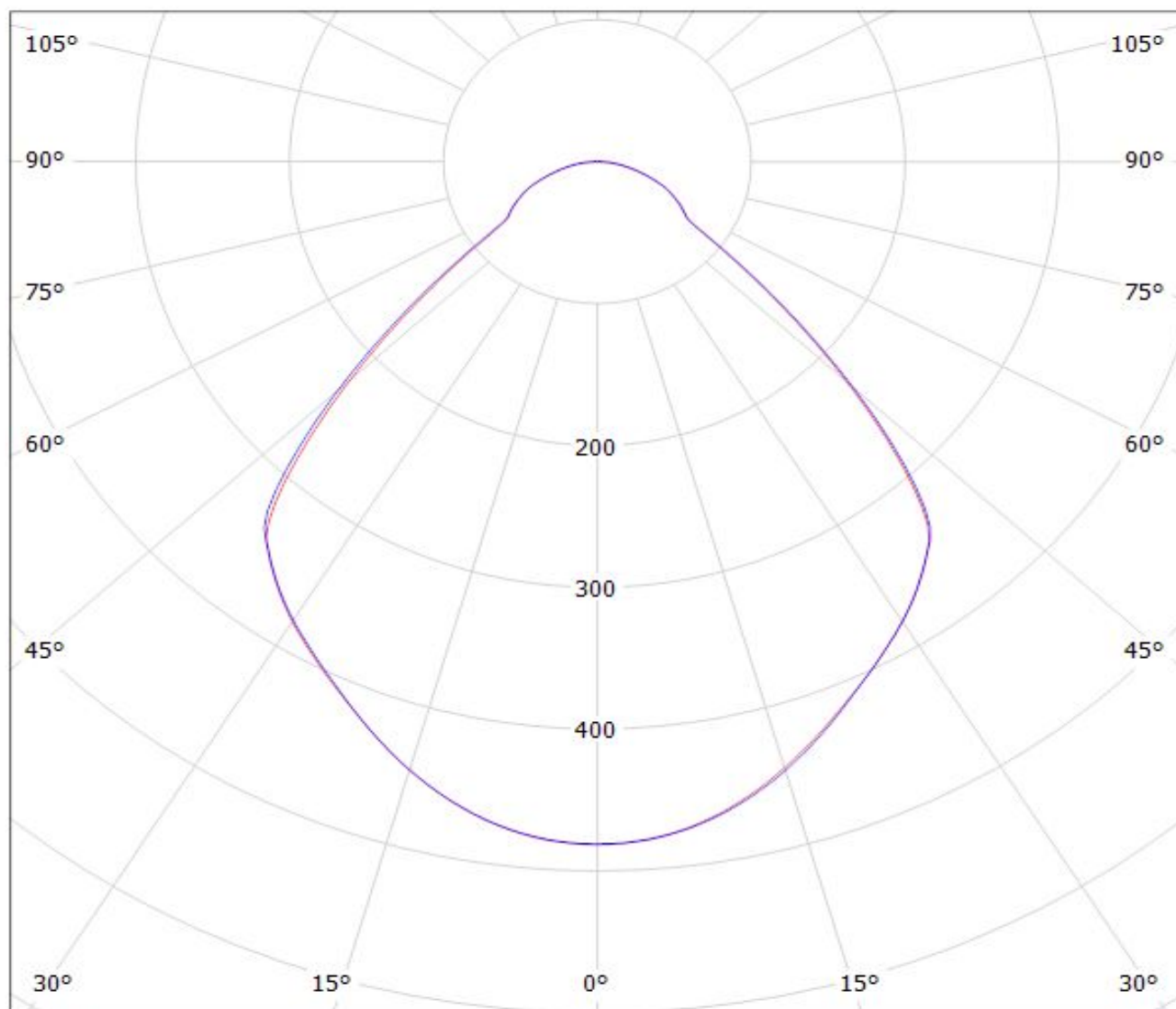
— C0 - C180

— C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CXM-22)

Lamps: 1 x LUMINUS\_CXM-22\_1221.8lm@250mA\_P=8.00809W\_CCT=3000K\_I=249.8mA



cd/klm

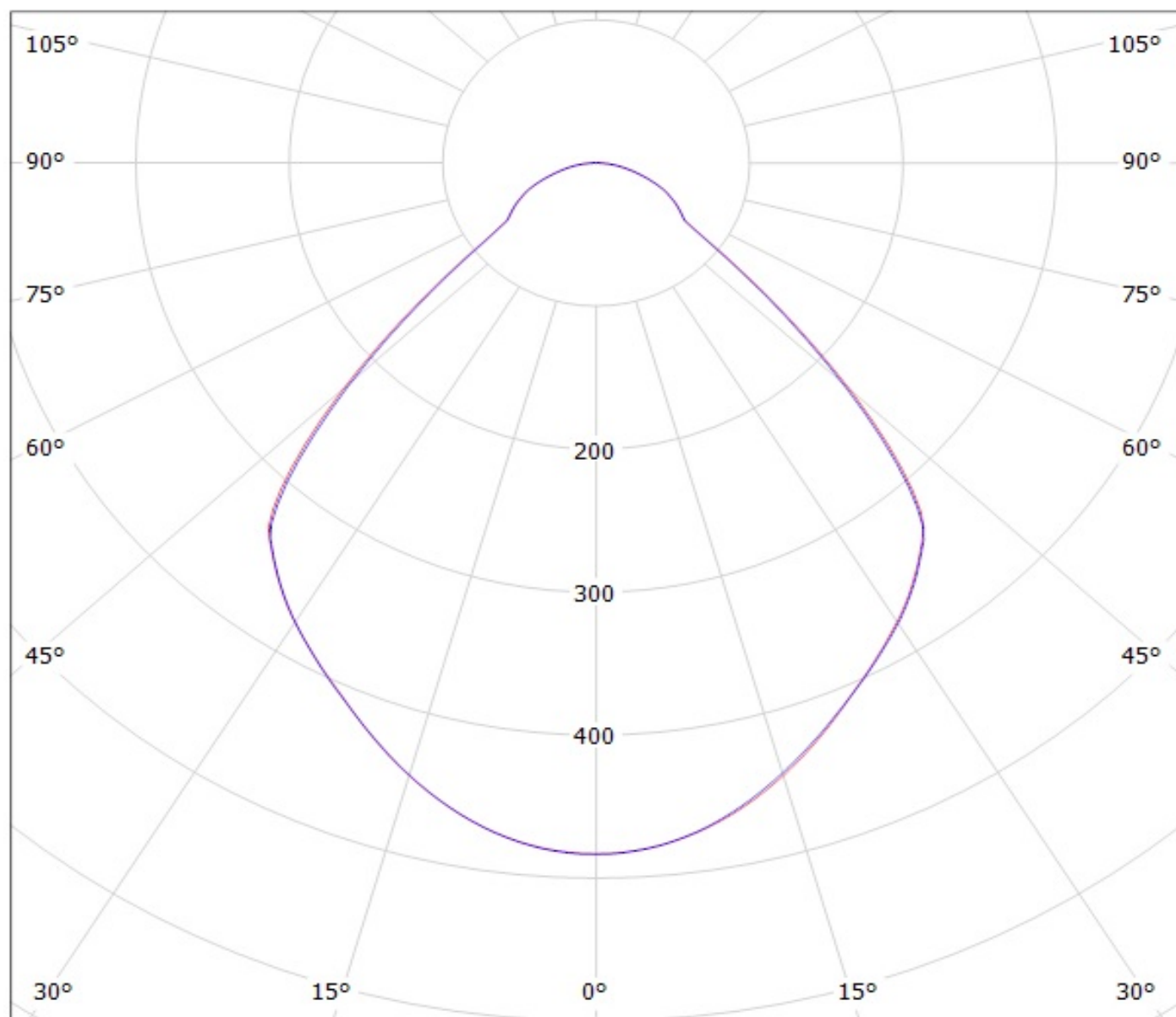
— C0 - C180

— C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CLL042) Eff: 94%

Lamps: 1 x Citizen\_CLL042\_(CLL042-1218A5-303H3-D2)\_959.2lm@250mA\_P=8.04978W\_I=0.2499A

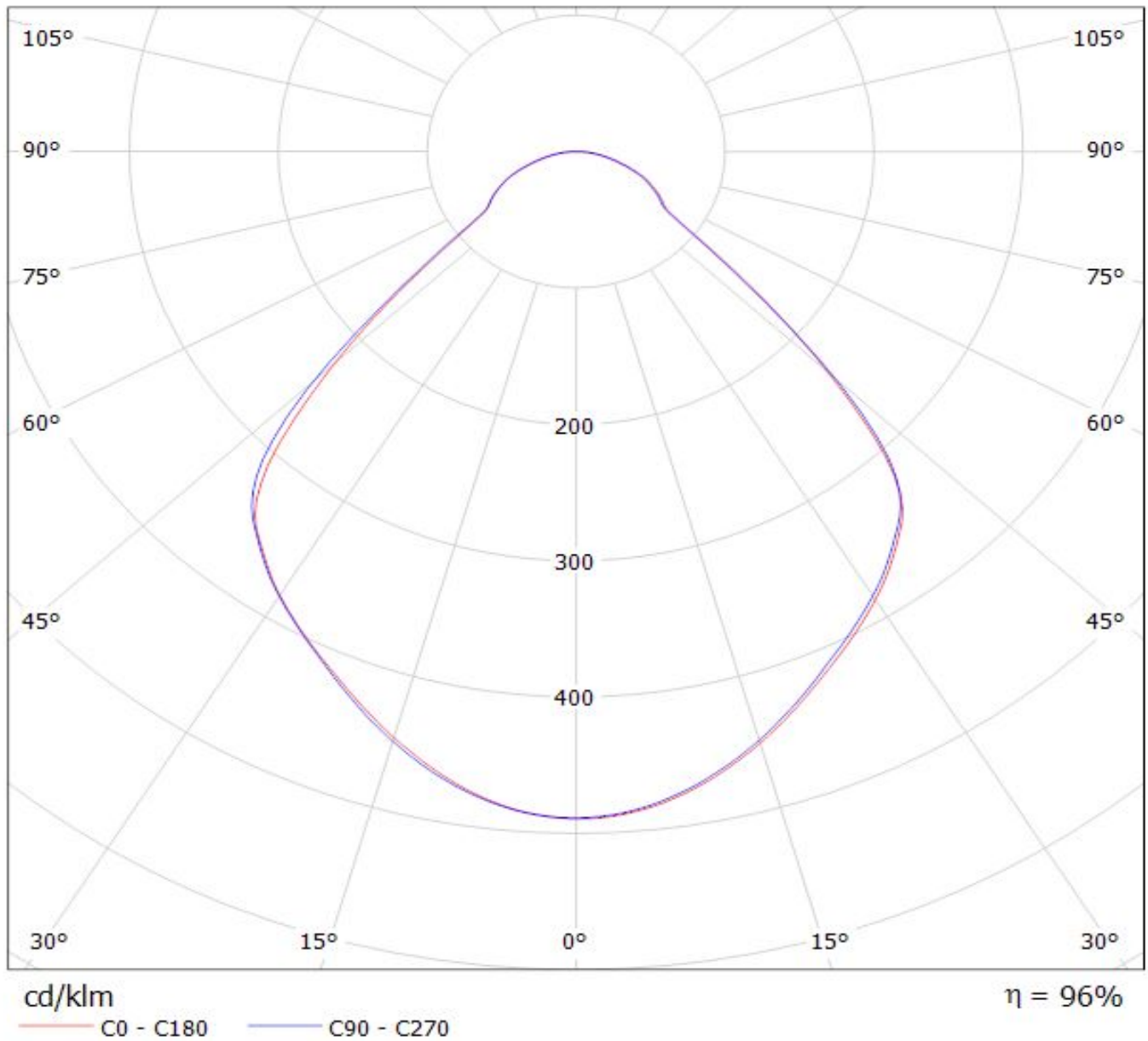


cd/klm

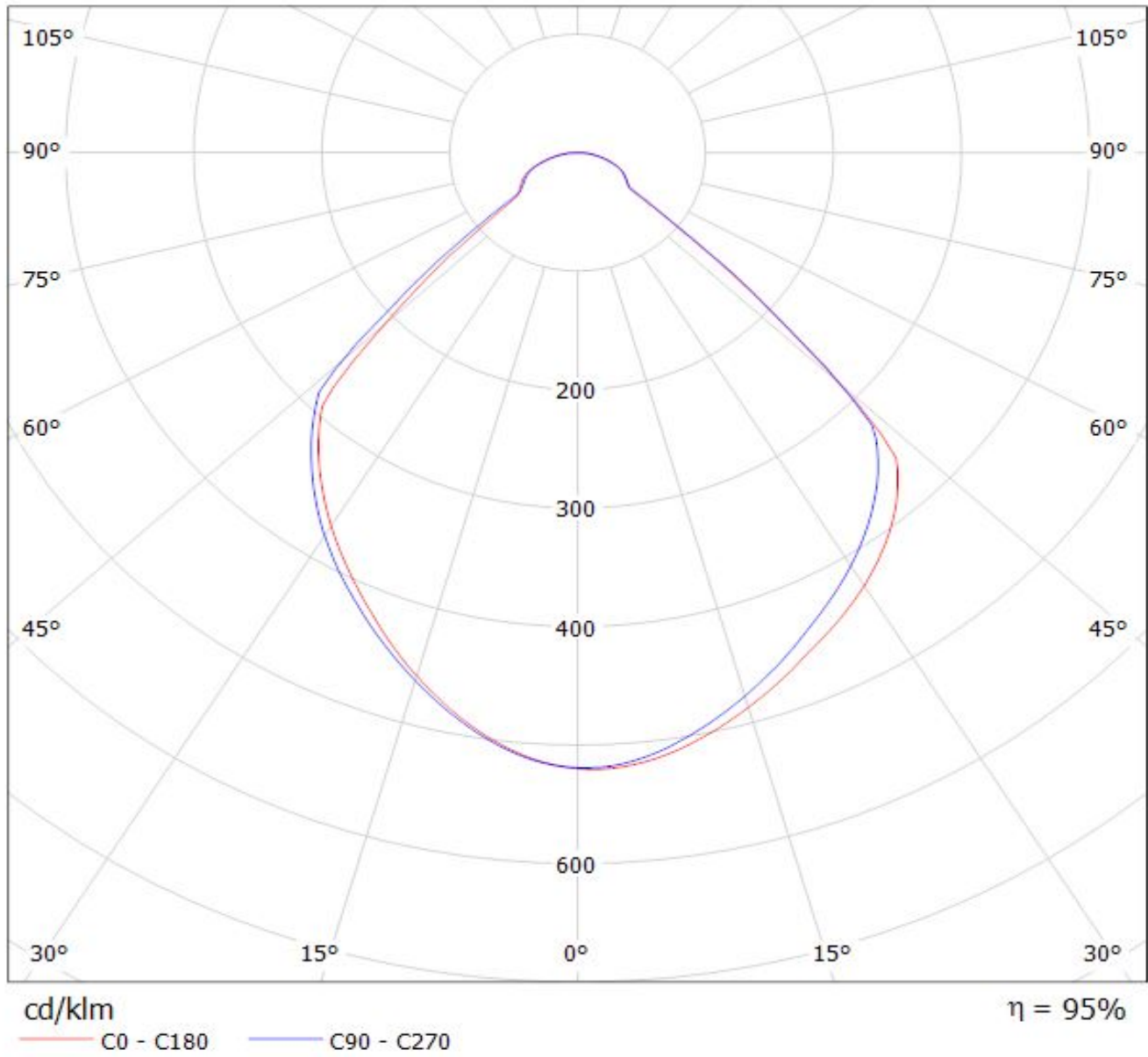
— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(SOLERIQ\_E30)  
Lamps: 1 x Osram\_SOLERIQ\_E30\_1278.11lm@250mA\_P=10.0015W\_I=249.8mA

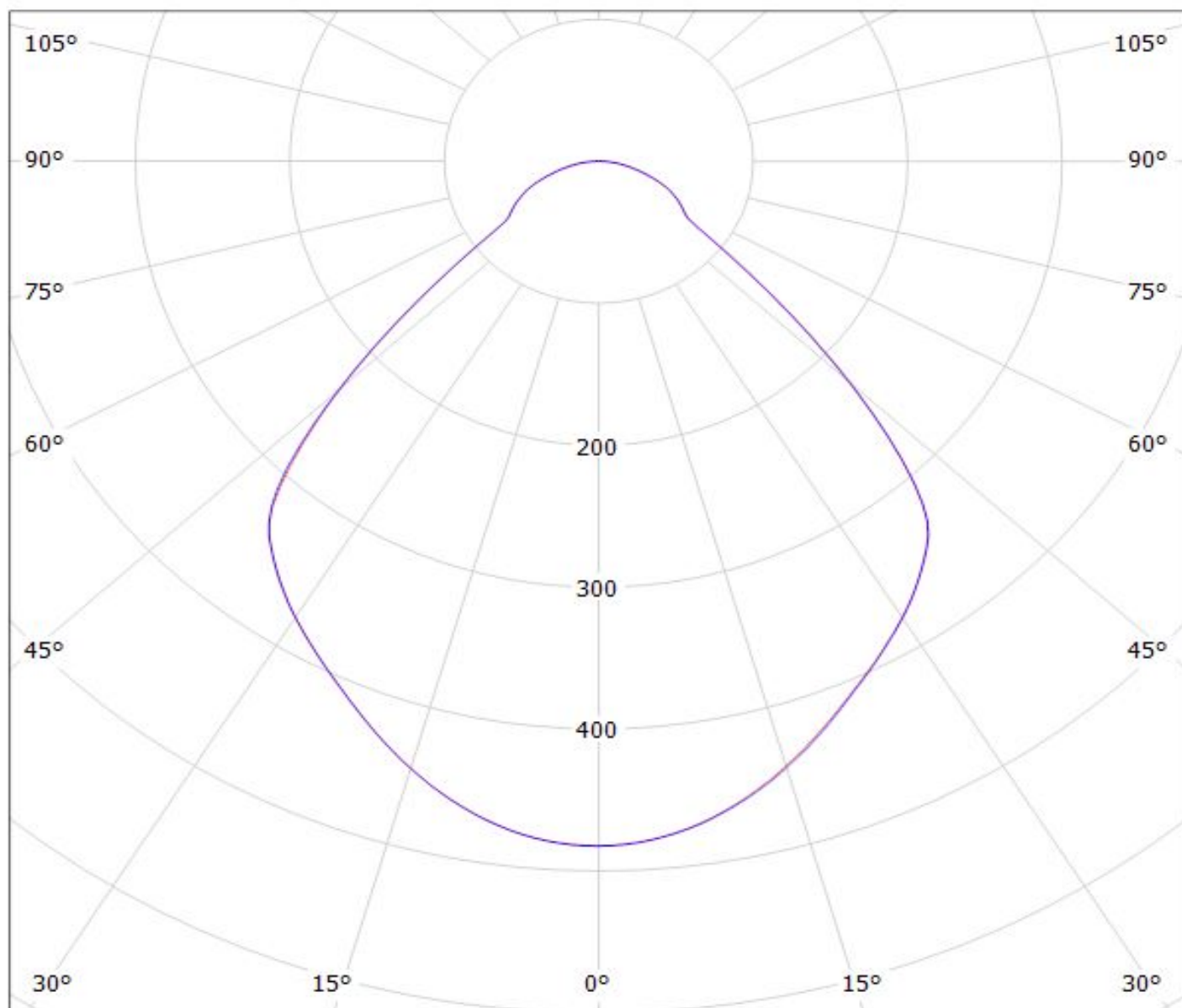


Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(K12)  
Lamps: 1 x Luxeon\_K12\_950lm@250mA\_P=8.20472W\_I=249.9mA



Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(ZC40)

Lamps: 1 x SEOUL\_ZC40\_(SBWW5F1B)\_1185.55lm@250mA\_P=8.2384W\_I=249.8mA



cd/klm

— C0 - C180

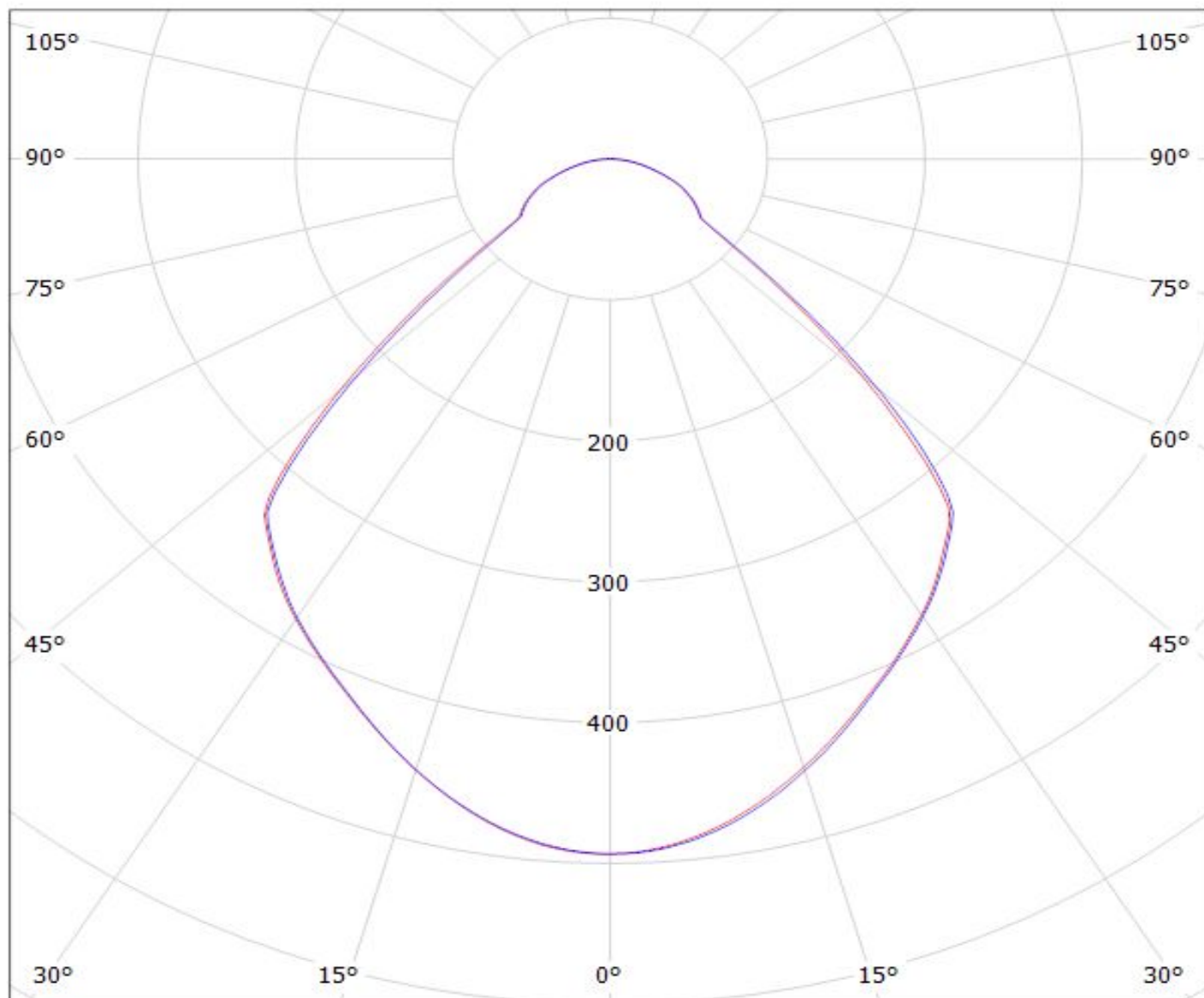
— C90 - C270

η = 95%

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(Luxeon\_CoB\_1211)

Lamps: 1 x LUXEON\_COB\_1211\_(LHC1-2790-1211)

\_923.583lm@250mA\_CCT=2700K\_P=8.00909W\_I=249.8mA



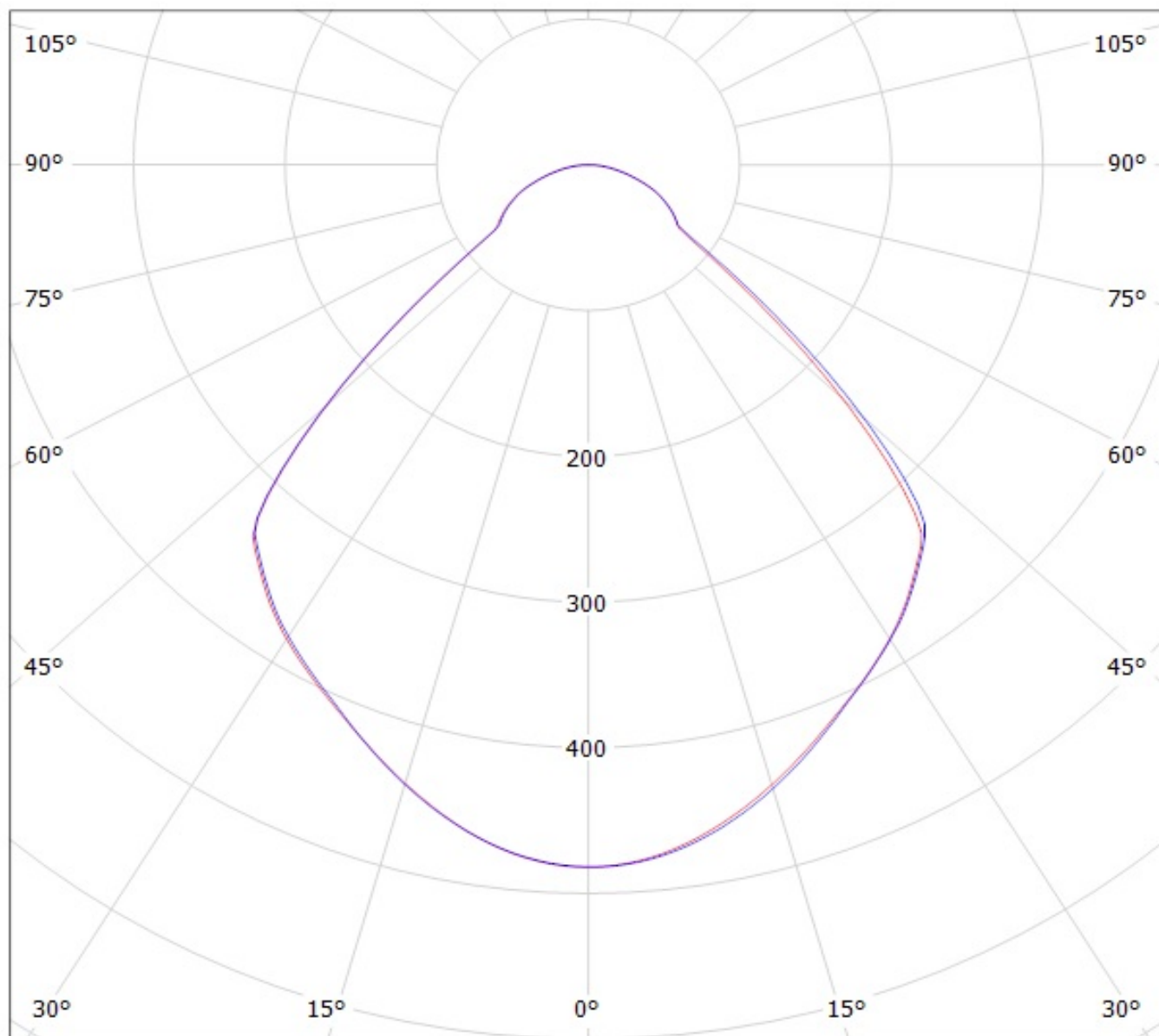
cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(Luxeon\_CoB\_1211)\_(BJB2030)

Lamps: 1 x Luxeon\_CoB\_1211\_(LHC1-5780-1211)\_(BJB2030)\_1330.16lm@250mA\_P=8.03503W\_I=0.2499A



cd/klm

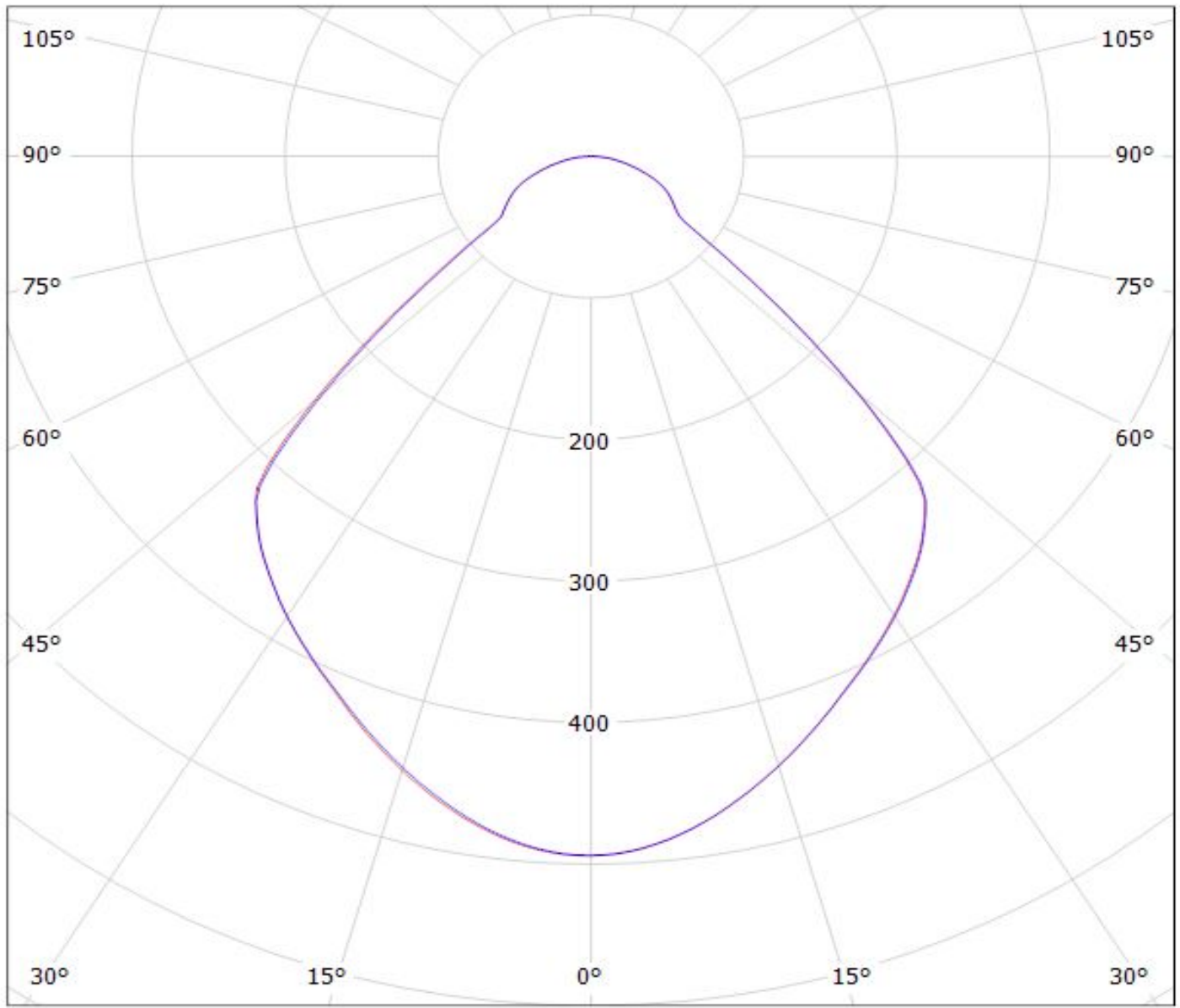
— C0 - C180

— C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(S19) Eff.95.9%

Lamps: 1 x Osram\_SOLERIQ\_S19\_1434.85lm@250mA\_P=10.5595W\_I=249.8mA

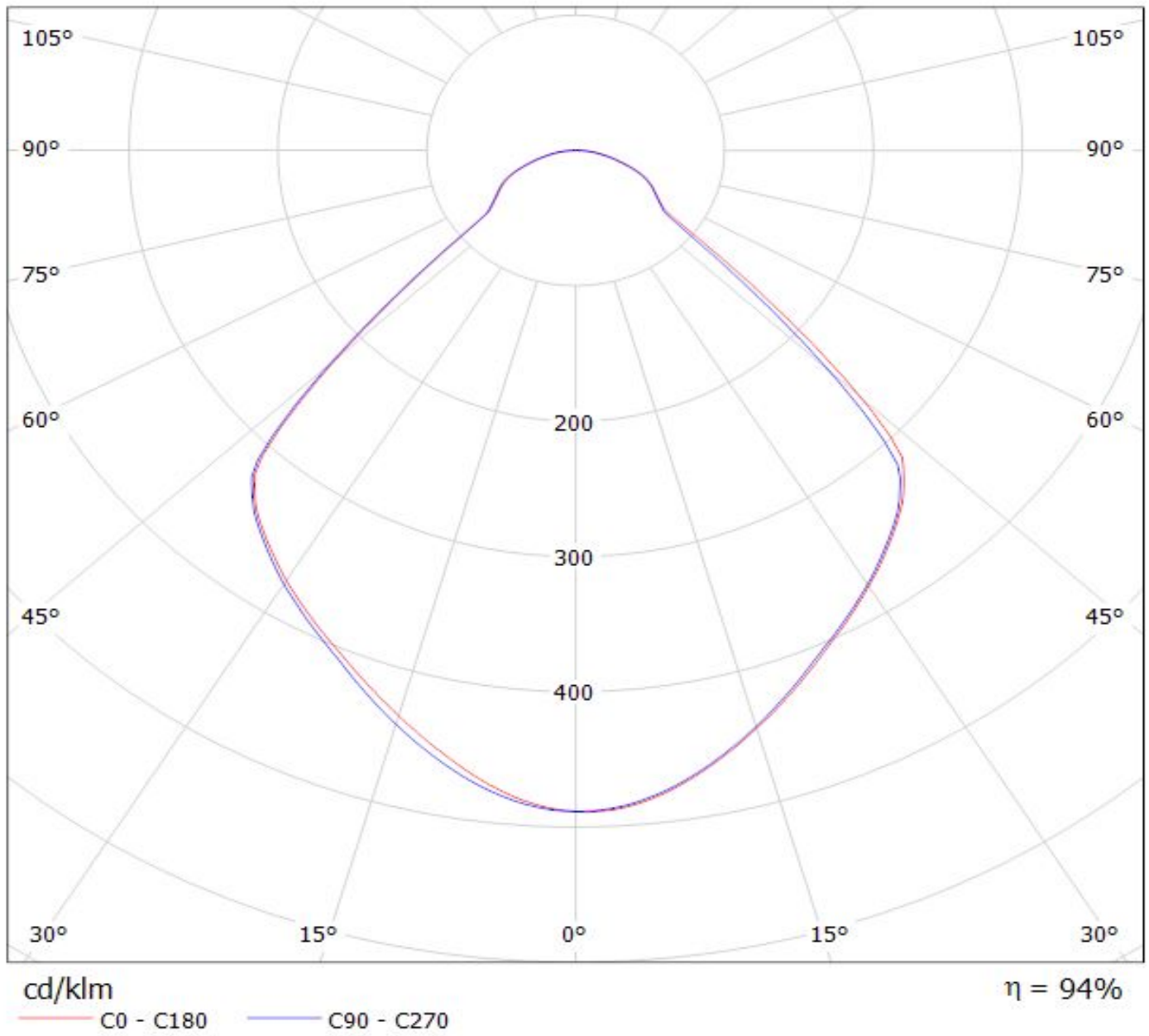


cd/klm

η = 96%

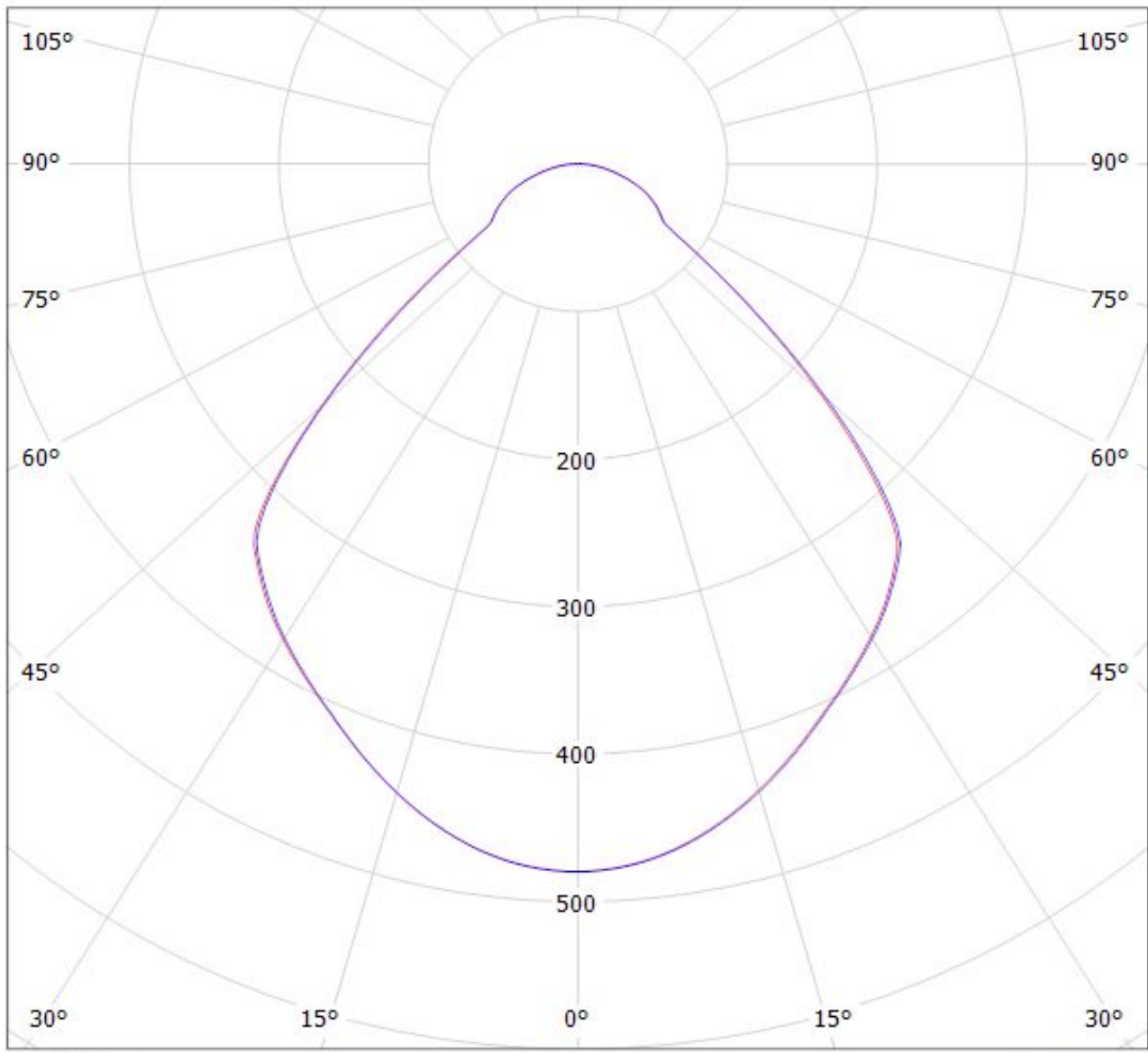
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CXM-14)  
Lamps: 1 x LUMINUS\_XNOVA\_CXM-14\_(AC00)  
\_1068.5lm@250mA\_CCT=3126K\_P=8.31834W\_I=249.8mA



Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CLU044)

Lamps: 1 x Citizen\_CLU044\_(CLU044-1212B8-303M1A2)\_1300.9lm@250mA\_P=8.14849W\_I=249.9mA



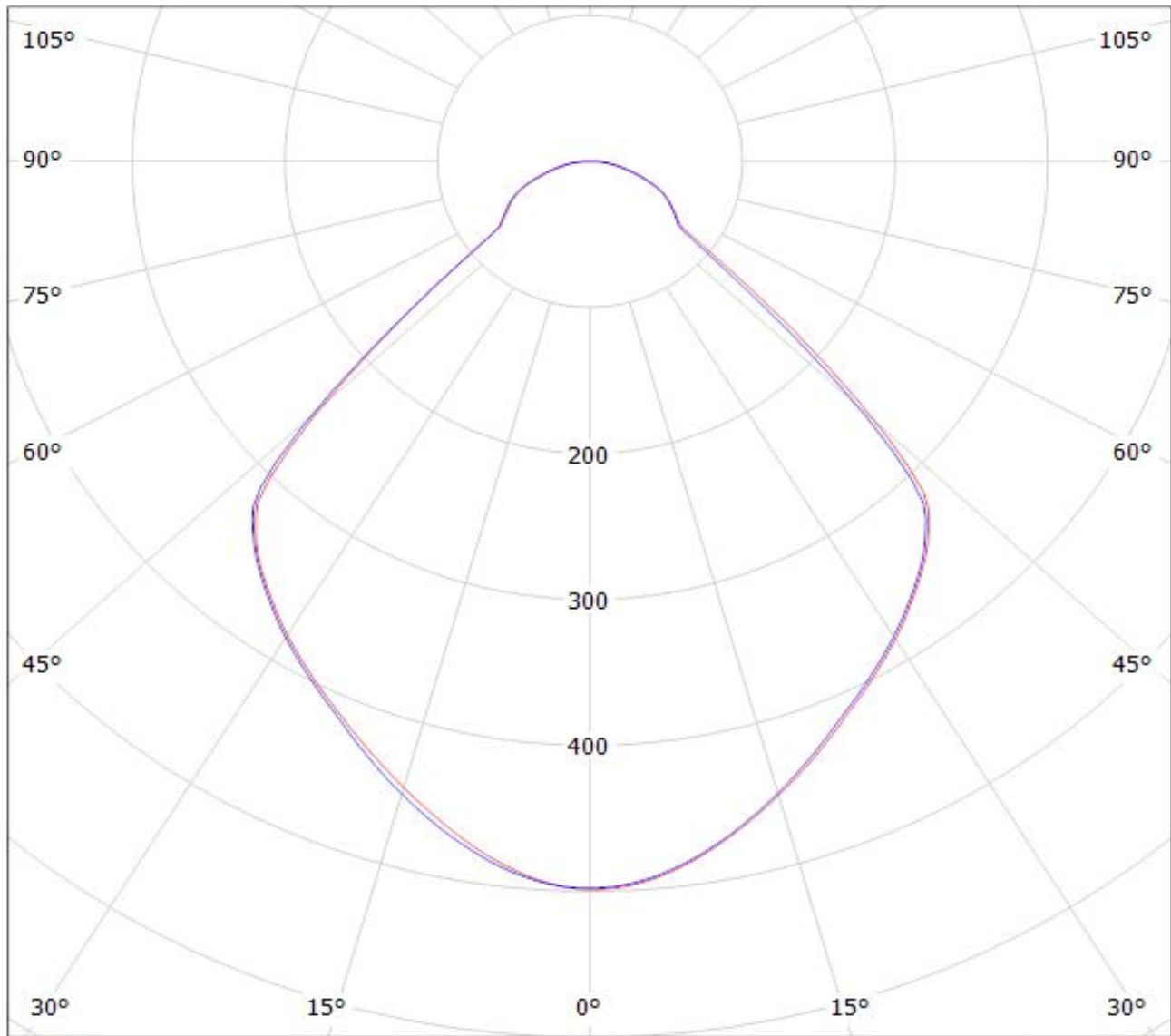
cd/klm

— C0 - C180 — C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CLL030)

Lamps: 1 x CITIZEN\_CLL030\_(CLL030-1206A1303M1A2)\_1050lm@250mA\_P=8.45787W\_I=249.9mA



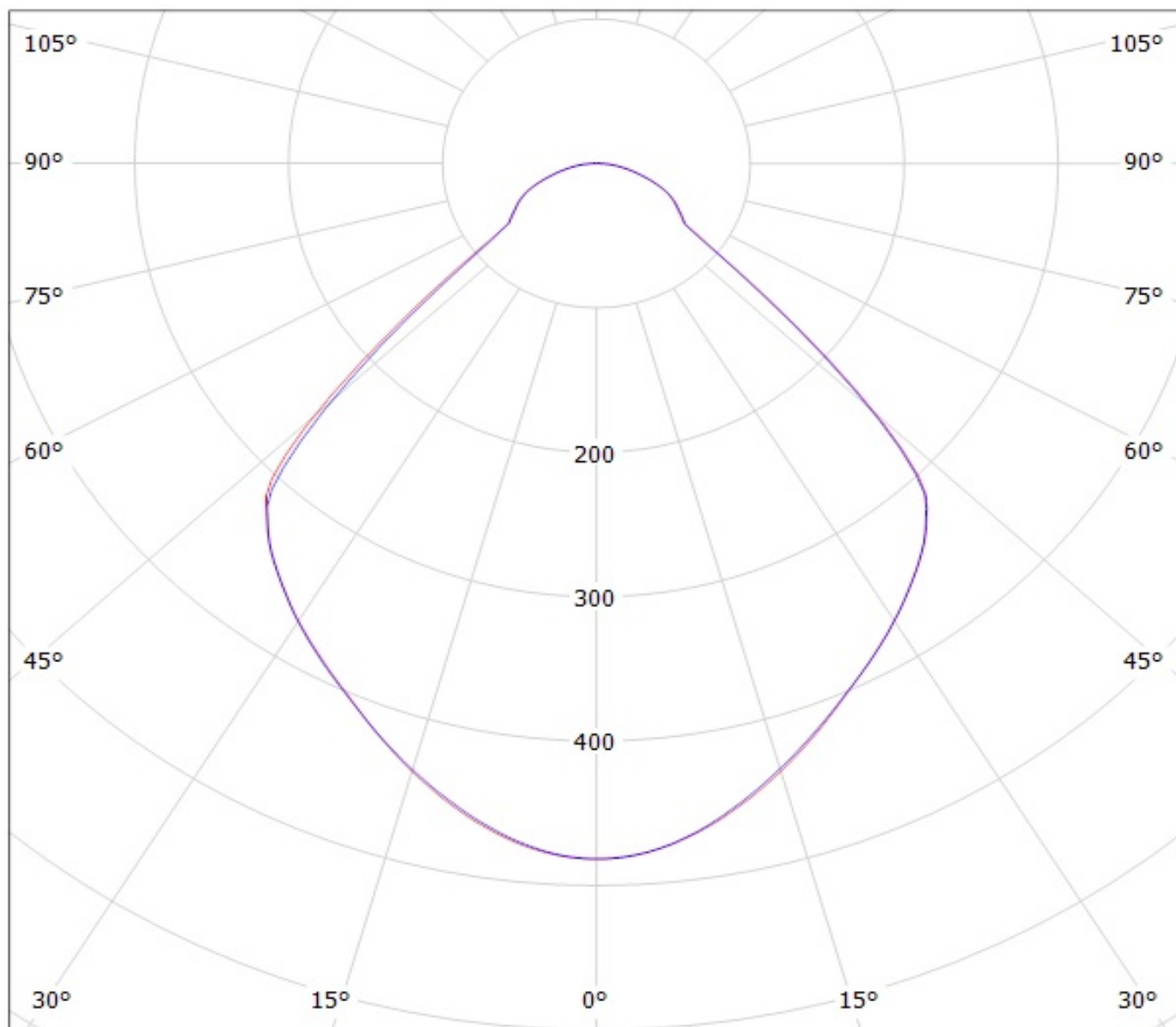
cd/klm

— C0 - C180

— C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(Mega Zenigata\_GW5DGC)  
Lamps: 1 x Sharp\_Mega\_Zenigata\_GW5DGC\_900lm@250mA\_P=8.6146W\_I=249.8mA



cd/klm

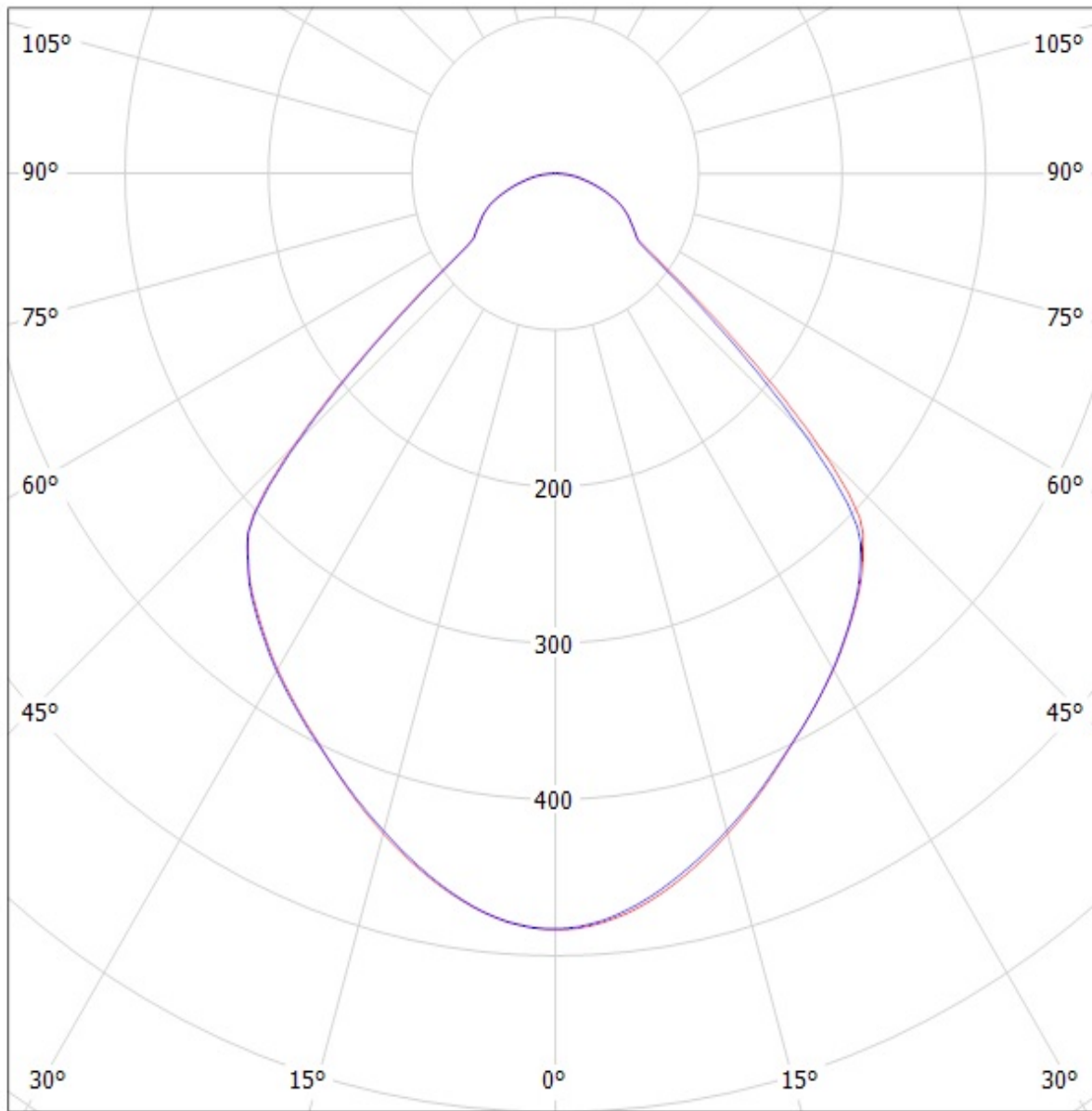
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(Mega\_Zenigata\_GW6DME)

Lamps: 1 x Sharp\_Mega\_Zenigata\_GW6DME\_(GW6DME30NFC)\_1285lm@250mA\_CCT=3038K\_P=11.1456W\_I=249.8mA



cd/klm

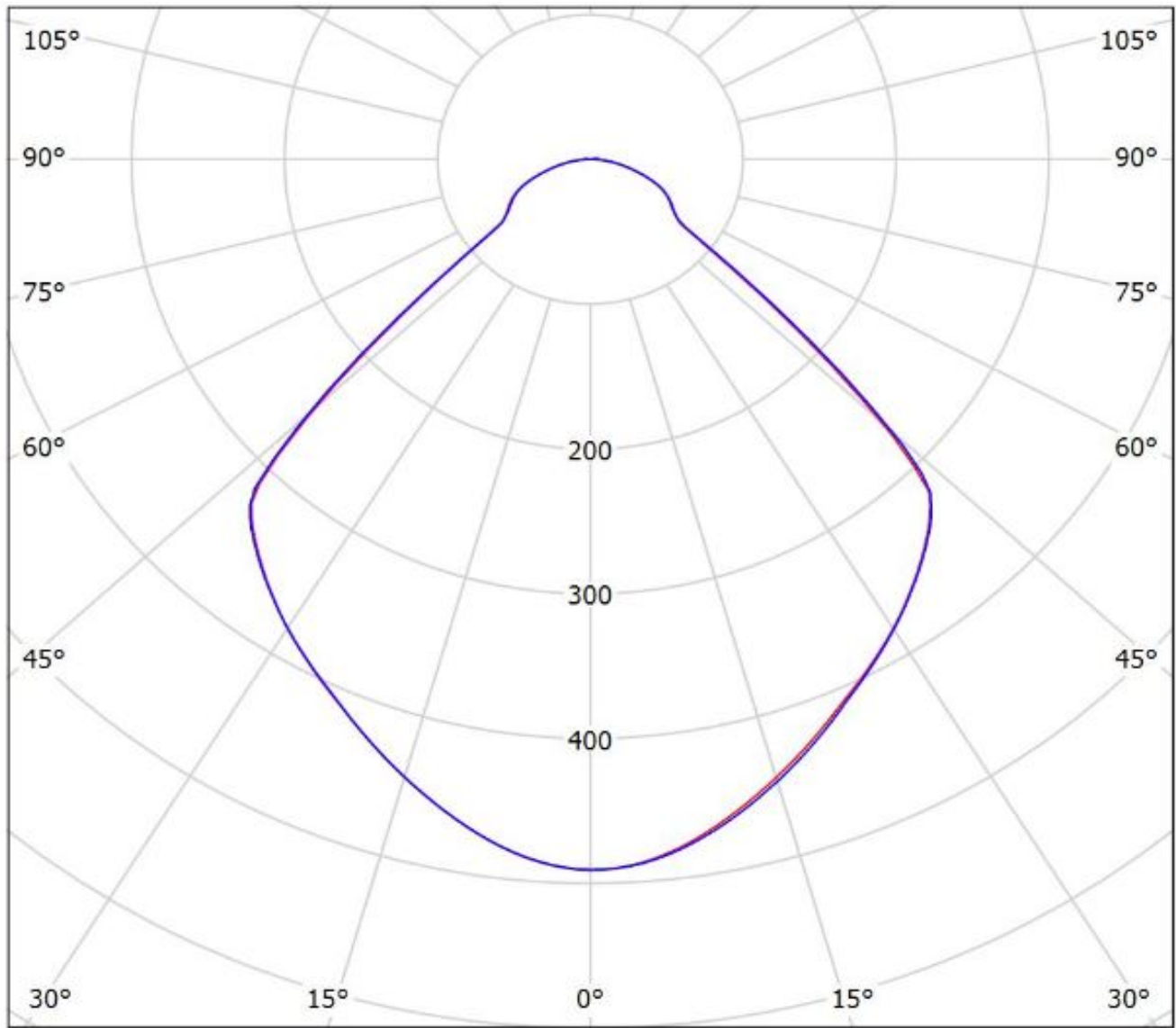
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(SOLERIQ\_P13)

Lamps: 1 x SOLERIQ\_P13\_(GW\_MAGMB1.EM)\_1053.65lm@250mA\_CCT=3000K\_P=8.82044W\_I=249.8mA



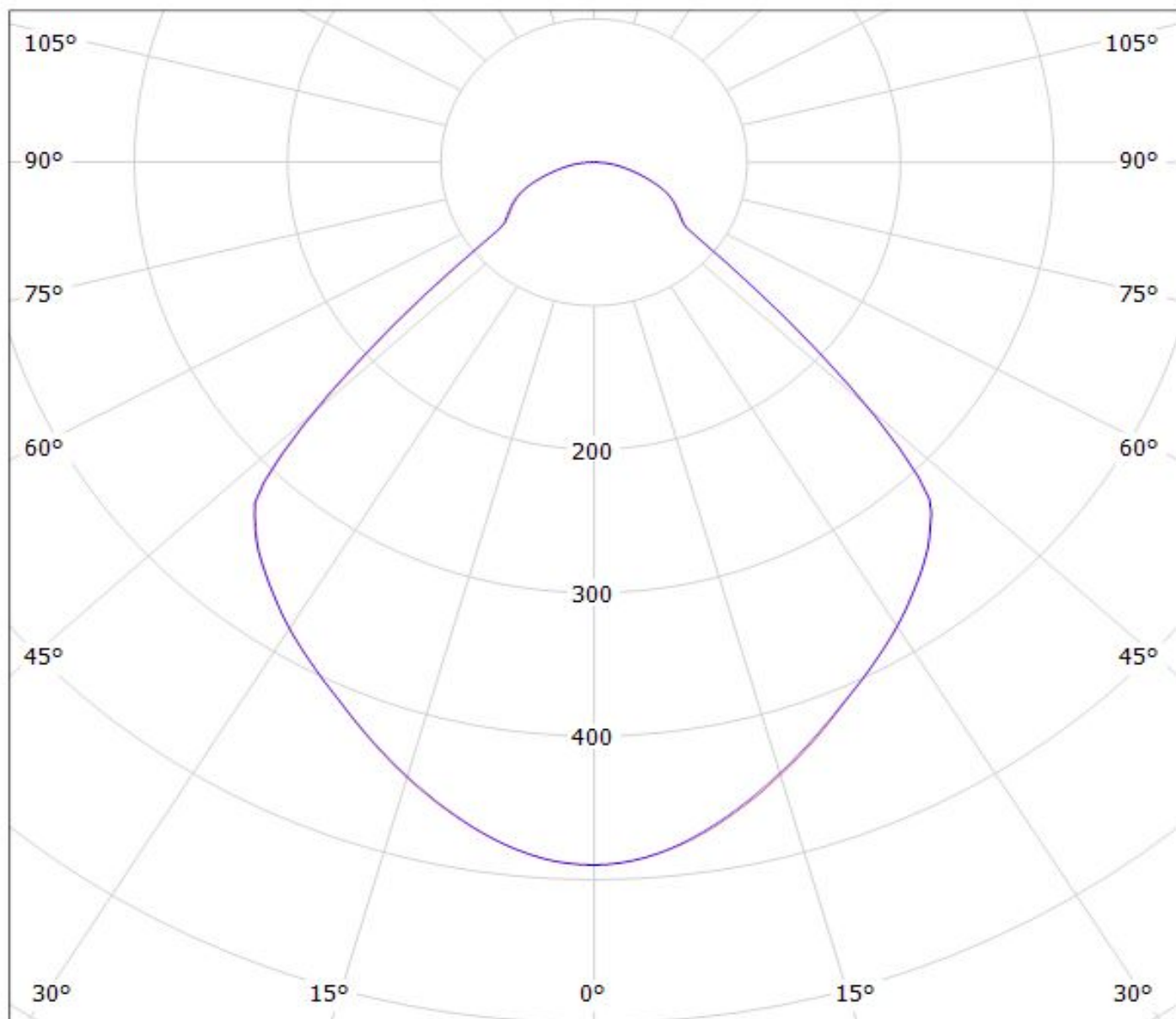
cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(Luxeon\_CoB\_1208)

Lamps: 1 x Luxeon\_CoB\_1208\_1057.71lm@250mA\_P=8.26438W\_I=249.8mA



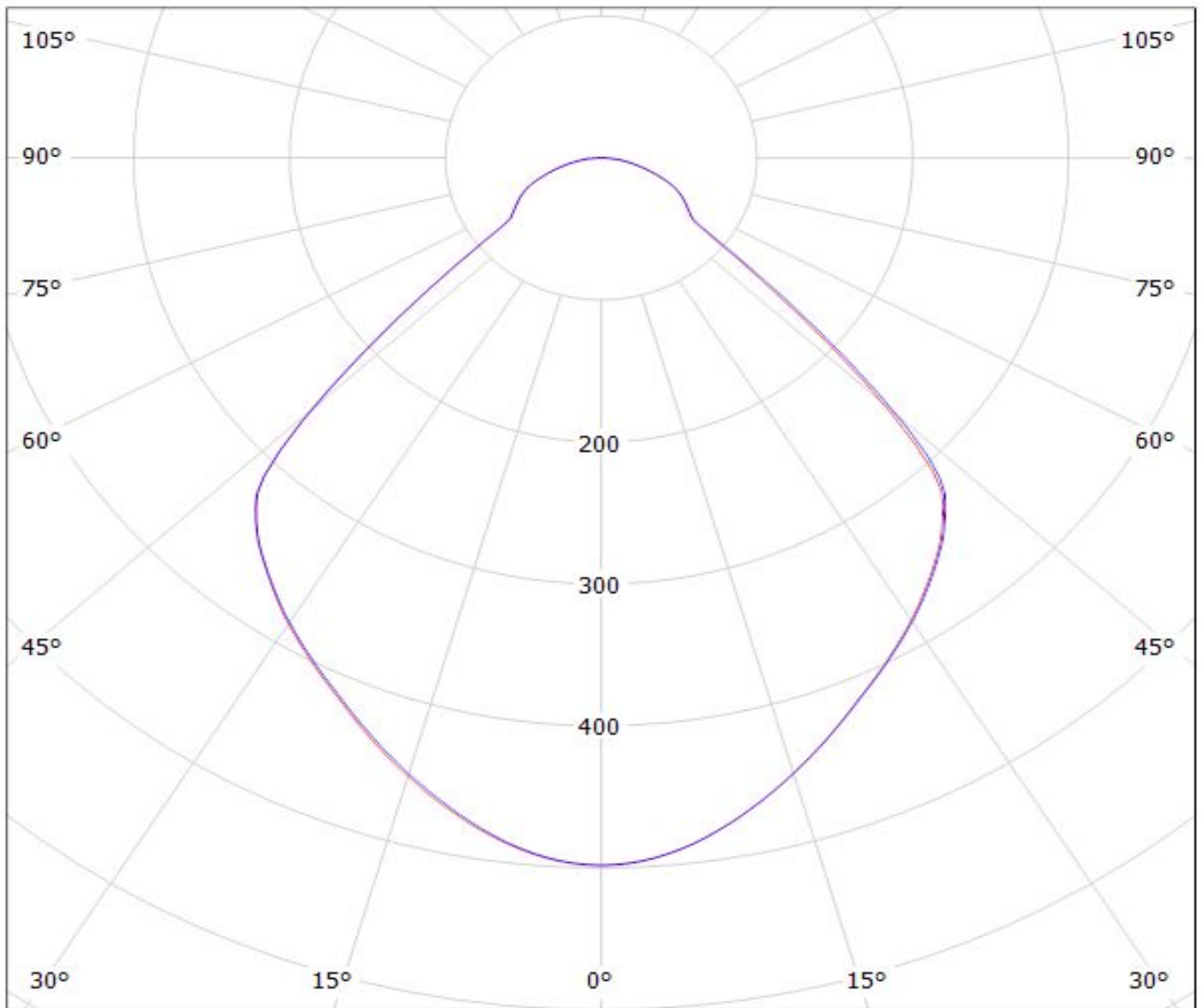
cd/klm

— C0 - C180

— C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(MegaZenigata\_GW6)  
Lamps: 1 x Sharp\_MegaZenigata\_GW6\_(GW6DME30NFC)  
\_1266.19lm@250mA\_CCT=3038K\_P=11.2151W\_I=250.6mA



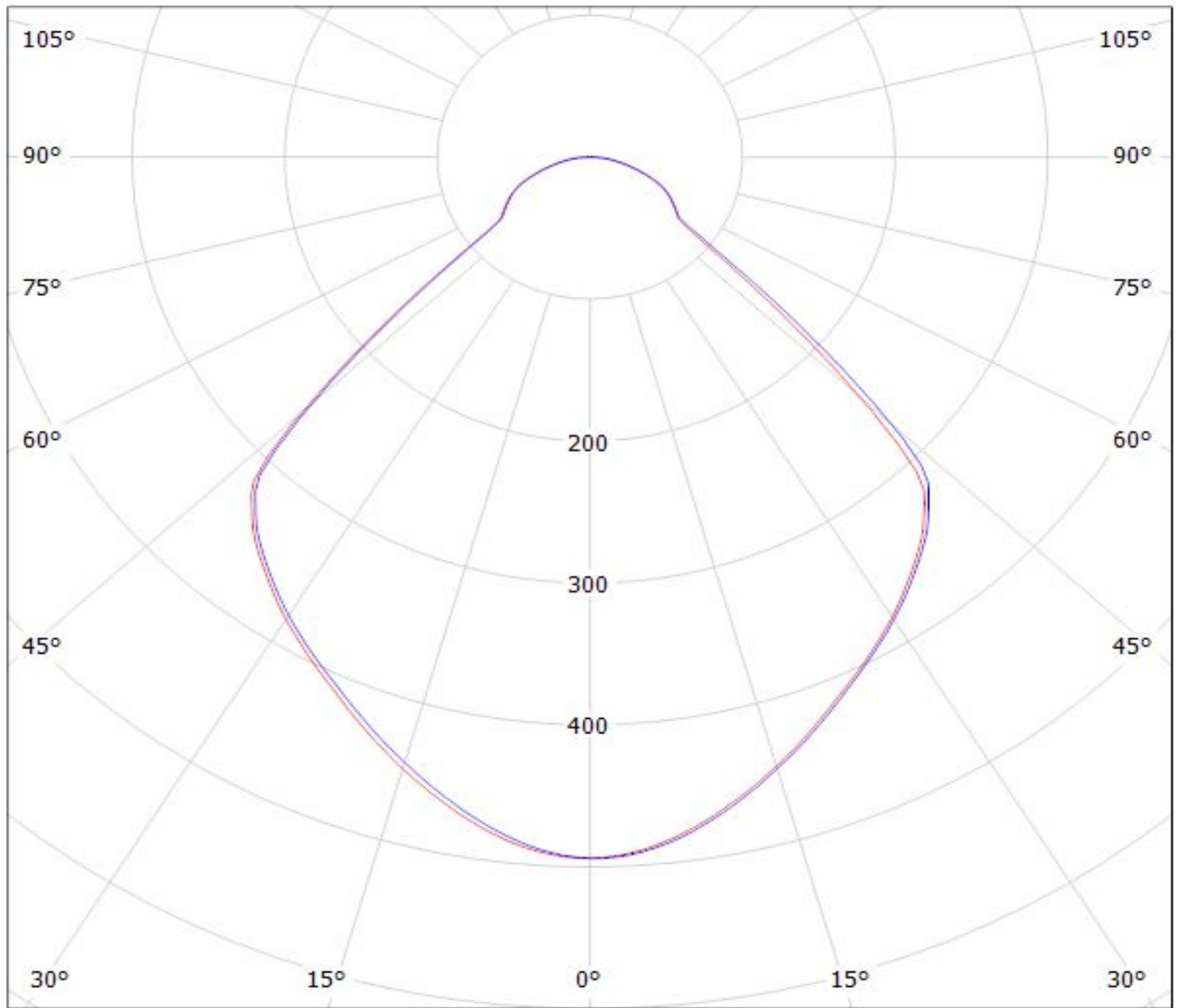
cd/klm

$\eta = 97\%$

— C0 - C180    — C90 - C270

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(LG\_COB\_10W)

Lamps: 1 x LG\_COB\_10W\_(LEMWM18580LG00)\_917.757lm@250mA\_P=9.31304W\_I=249.8mA



cd/klm

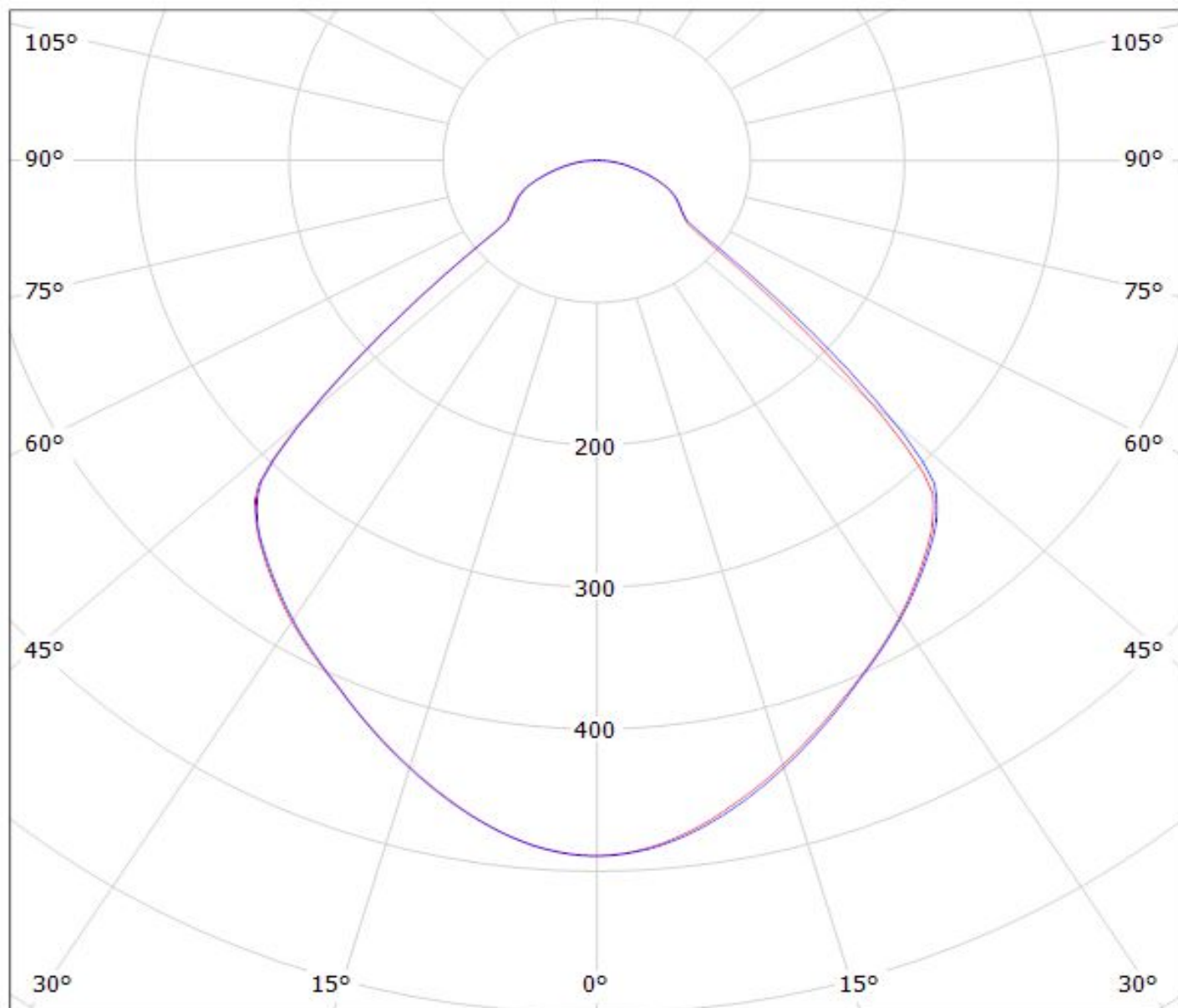
— C0 - C180

— C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CLU034)

Lamps: 1 x Citizen\_CLU034\_(CLU034-1205B8-303M1A2)\_1159.11lm@250mA\_P=8.46586W\_I=249.9mA



cd/klm

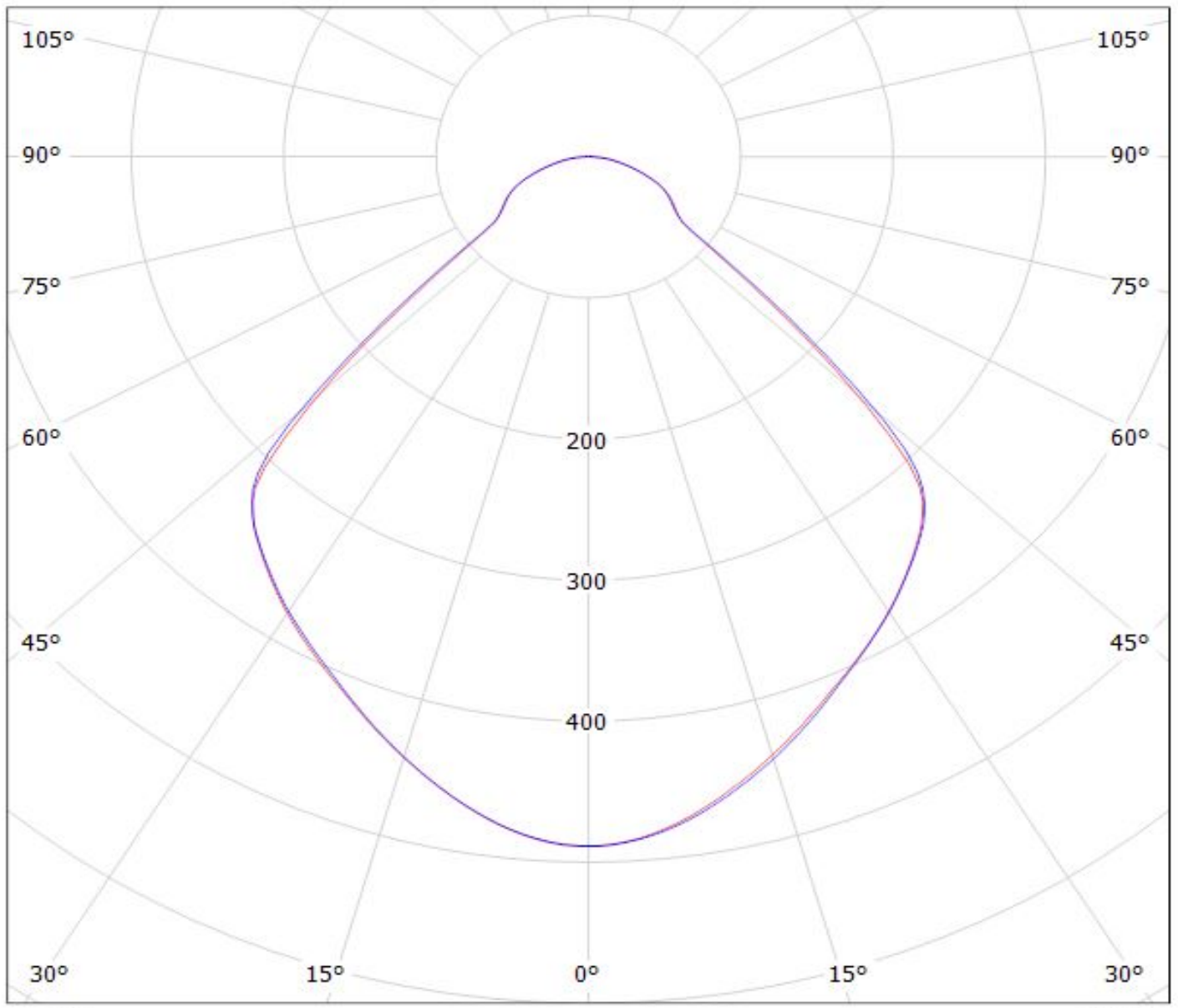
— C0 - C180

— C90 - C270

$\eta = 97\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(ZC12)

Lamps: 1 x SEOUL\_ZC12\_(SDW82F1C)\_1240.73lm@250mA\_P=8.68405W\_I=249.8mA



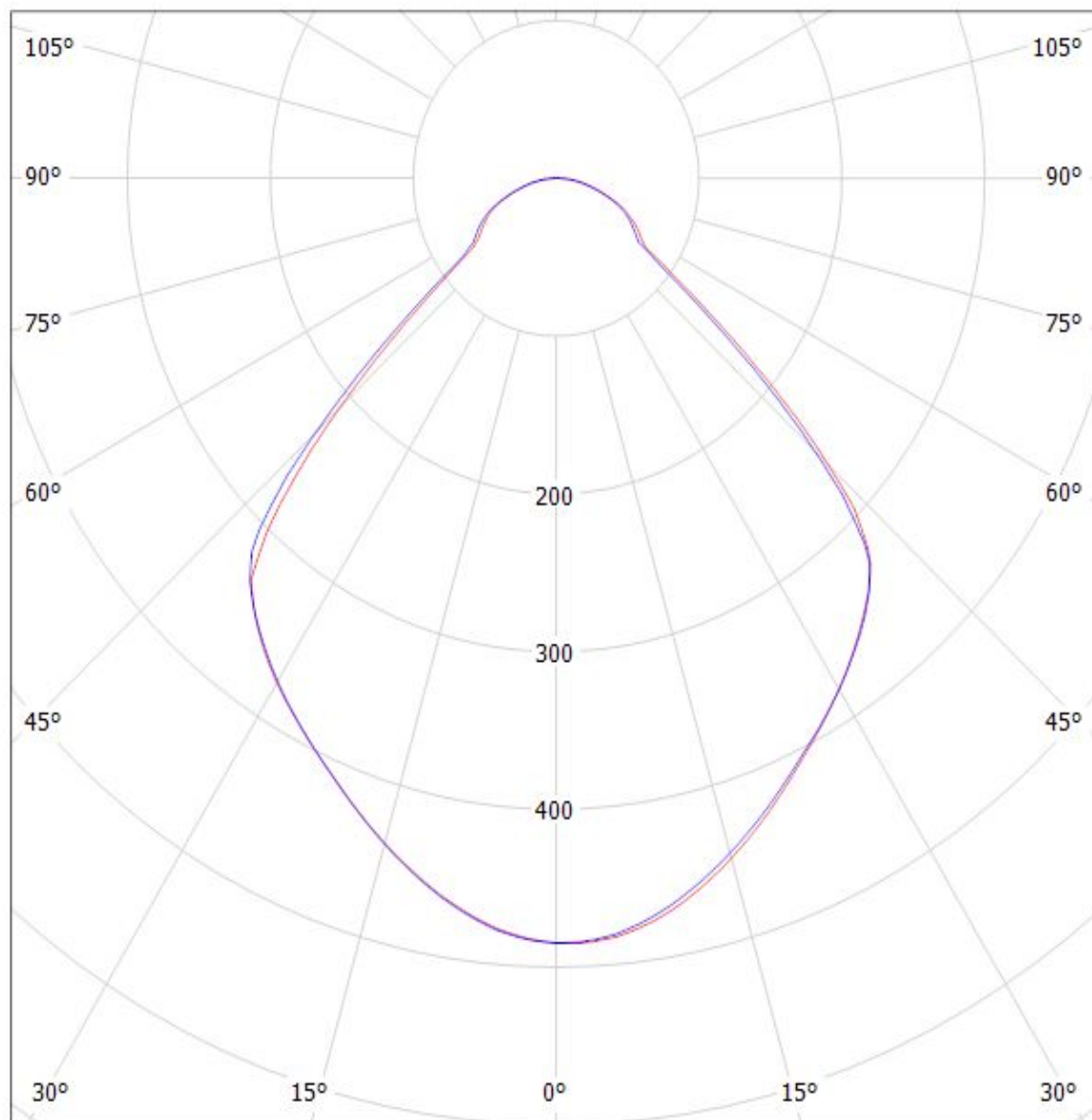
cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(CXA2590)

Lamps: 1 x CREE\_CXA2590\_(CXA2590-30F-Z4-RPH-00001)\_837.275lm@100mA\_CCT=3000K\_P=6.36316W\_I=100.1mA



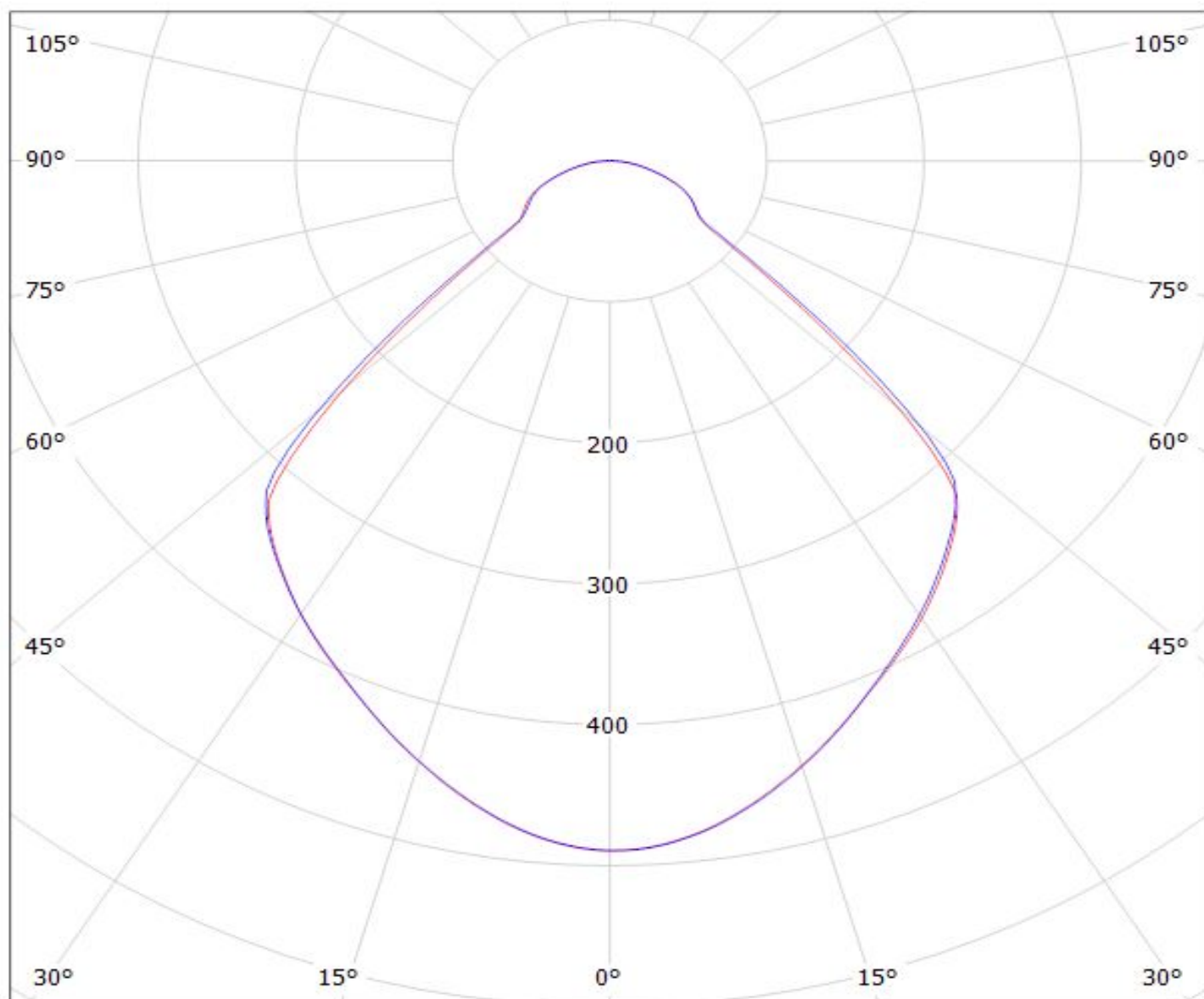
cd/klm

— C0 - C180

— C90 - C270

$\eta = 95\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(STARK\_SLE\_G3\_LES17)  
Lamps: 1 x TRIDONIC\_STARK\_SLE\_G3\_LES17\_(STARK-SLE-PURE\_G3-17-2000-840-CLA)  
\_1030.26lm@250mA\_CCT=2000K\_P=8.34707W\_I=249.8mA

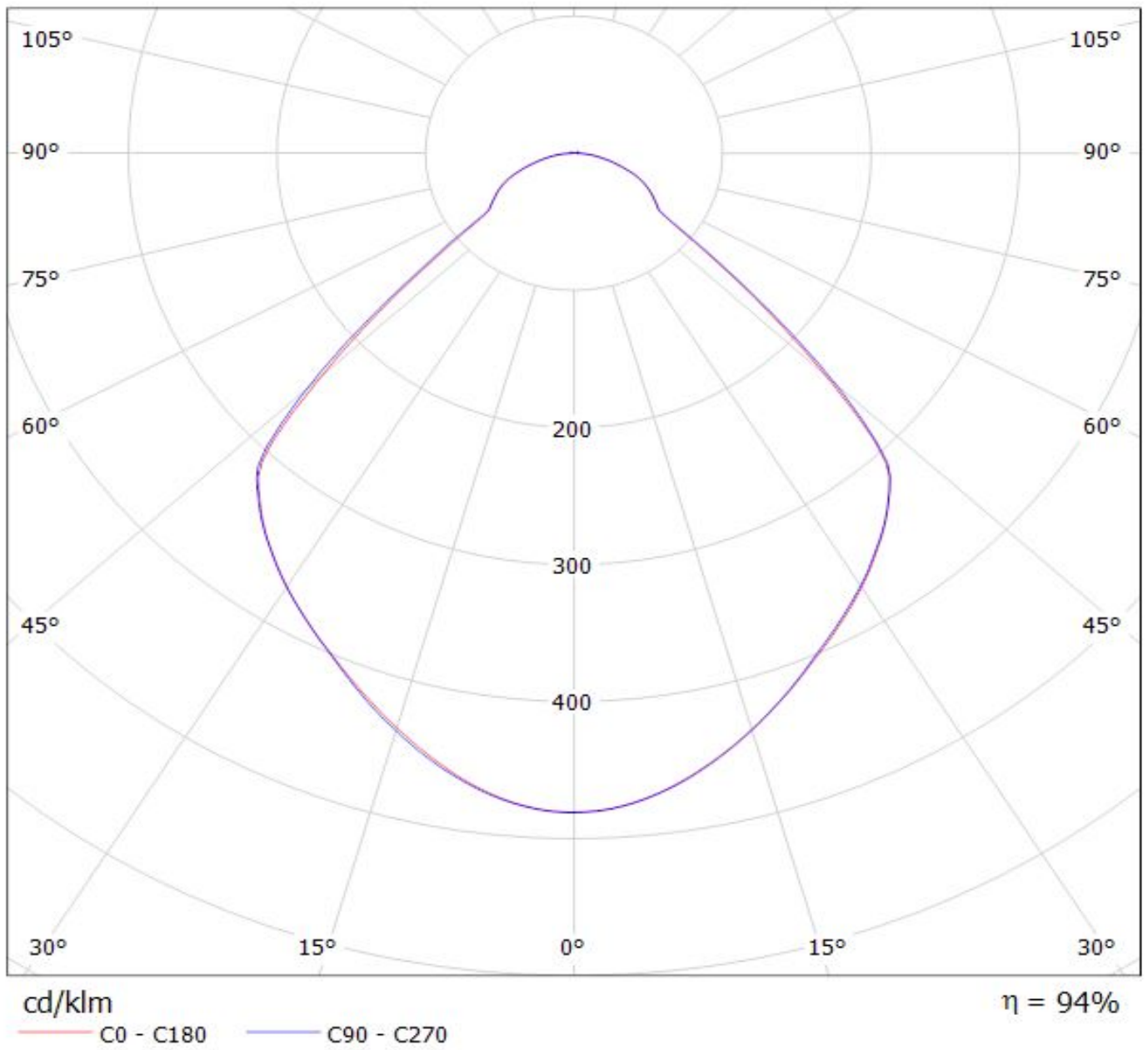


cd/klm

— C0 - C180    — C90 - C270

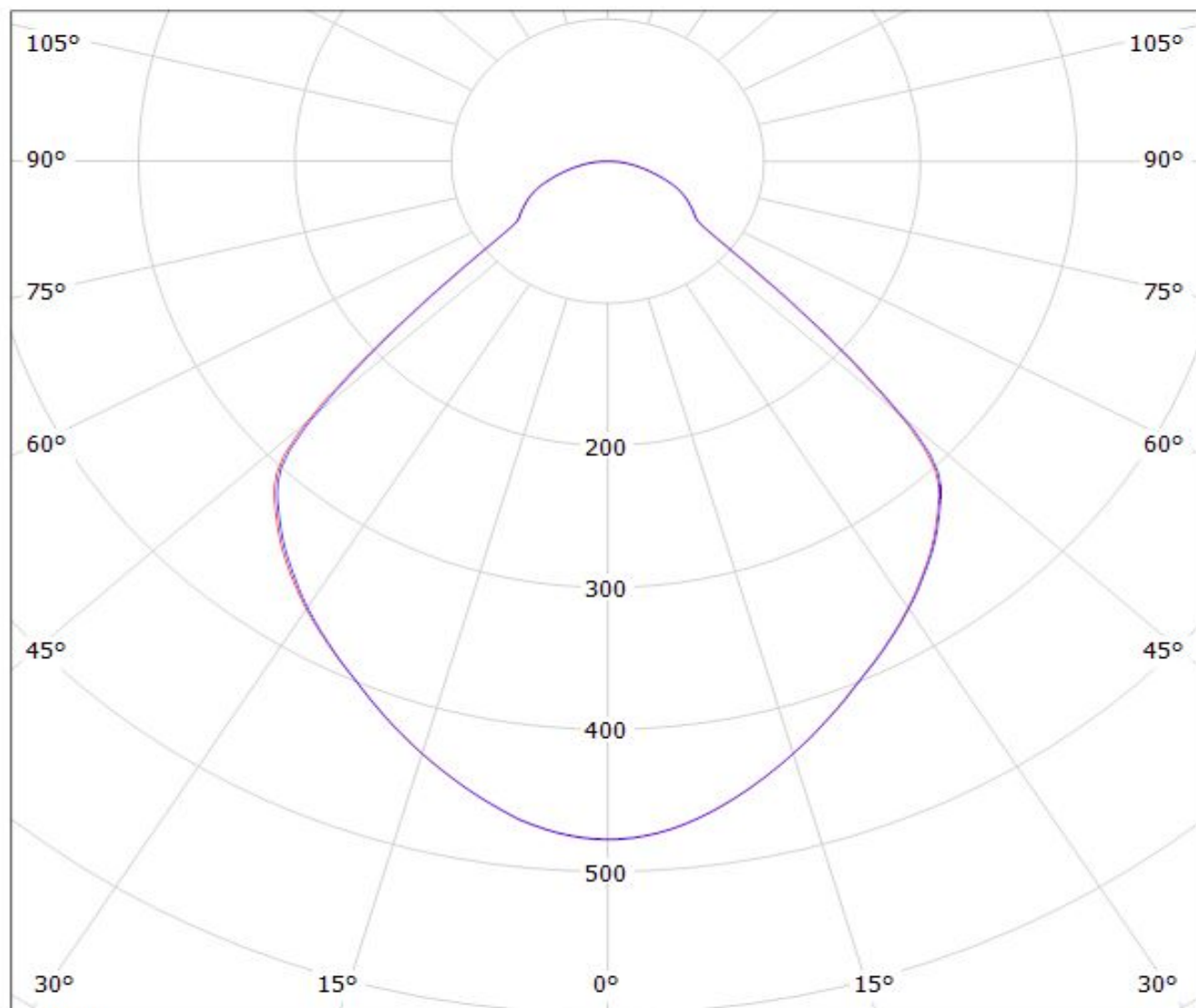
$\eta = 96\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(Soleriq S19) Eff.96.7%  
Lamps: 1 x OSRAM\_SOLERIQ\_S19\_(GW\_KAHJB1.EM)  
\_1487.65lm@250mA\_CCT=3000K\_P=10.558W\_I=249.8mA



Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(BXRA\_ES)

Lamps: 1 x BXRA\_ES\_(W1203-102820-3110)\_298m@250mA\_P=4.09661W\_I=249.9mA



cd/klm

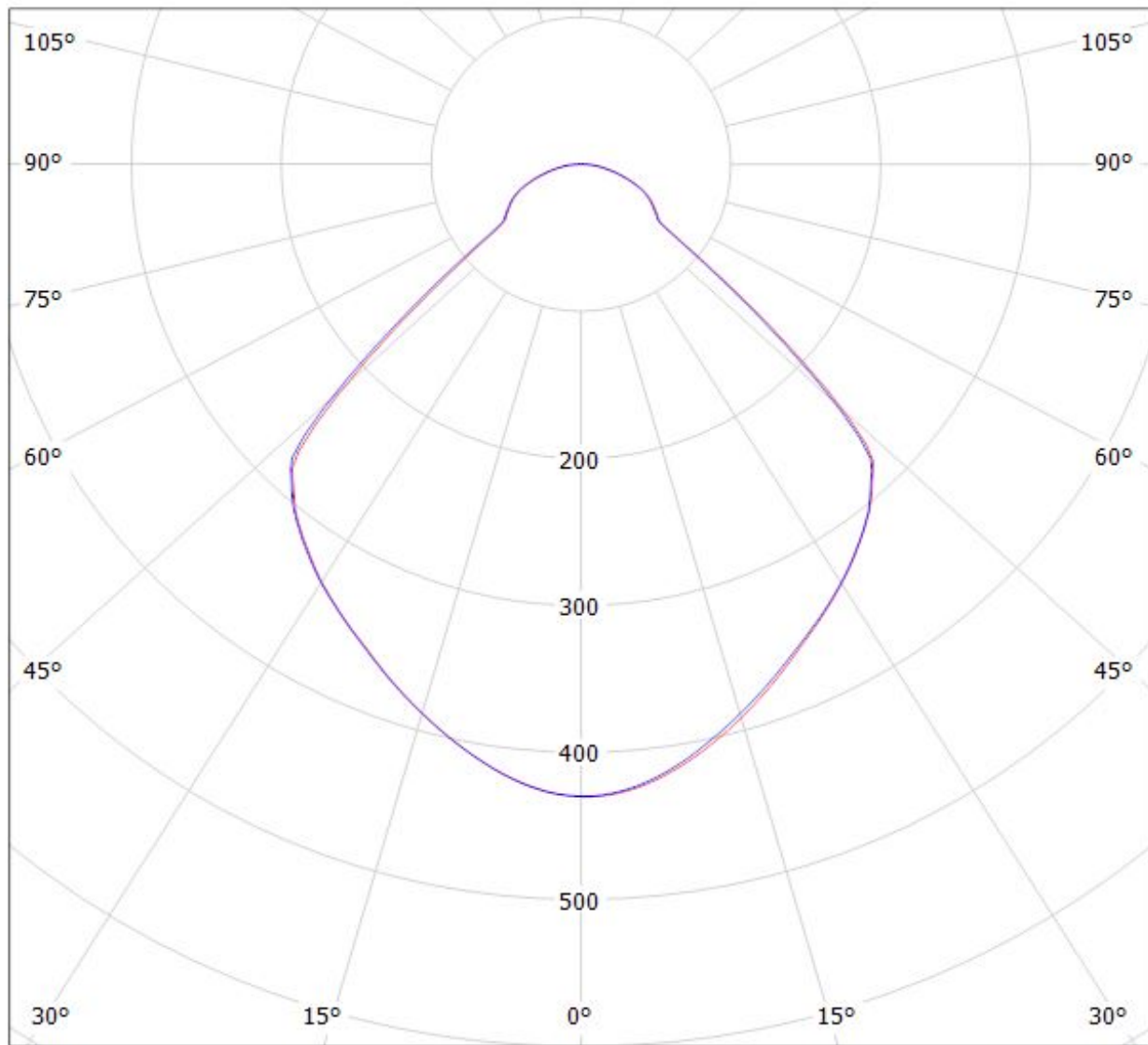
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13839\_ANGELINA-XW-B\_(Luxeon\_CoB\_1205)

Lamps: 1 x LUXEON\_COB\_1205\_(LHC1-3080-1205)\_1274.35lm@250mA\_CCT=3000K\_P=11.183W\_I=249.8mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 85\%$

**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.**

#### **GENERAL INFORMATION**

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).

Note! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.