

## DETAILS

<b>Product Number</b>	F13661_ANGELINA-W-B
<b>Family</b>	ANGELINA
<b>Type</b>	Reflector
<b>Color</b>	metal
<b>Diameter</b>	82 mm
<b>Height</b>	31 mm
<b>Style</b>	round
<b>Optic Material</b>	PC
<b>Holder Material</b>	
<b>Fastening</b>	
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	13/06/2014



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	connector
LUXEON K16	(simulated) 46		-	(simulated) 0.000	Solderless Connector 47.319.2070 BJB
CLL04x/CLU044	(simulated) 52		(simulated) 95 %	(simulated) 1.100	Solderless Connector 47.319.2030 BJB
COB 10W/13W/17W/24W	(simulated) 53		-	(simulated) 0.000	Solderless Connector 47.319.2080 BJB
LUXEON K12	(simulated) 46		-	(simulated) 0.000	Solderless Connector 47.319.2070 BJB
CLL03x/CLU034	49 degrees		92 %	1.000	Solderless Connector 47.319.2020 BJB
CXM-14	51 degrees		93 %	0.970	Solderless Connector 47.319.2020 BJB
COB 10W/13W/17W/24W	52 degrees		94 %	0.940	8600/G2 A.A.G. STUCCHI
Soleriq S13	52 degrees		94 %	0.950	8502/G2 A.A.G. STUCCHI
LUXEON CoB 1204/1205	53 degrees		94 %	0.940	8301/G2 A.A.G. STUCCHI
Soleriq E30	54 degrees		90 %	0.940	Solderless Connector 47.319.2010 BJB
ZC12/18	54 degrees		93 %	0.920	8101/G2 A.A.G. STUCCHI
Soleriq S19	55 degrees		93 %	0.900	8503/G2 A.A.G. STUCCHI
LUXEON CoB 1208	55 degrees		93 %	0.900	8301/G2 A.A.G. STUCCHI
Mega Zenigata (GW6DME)	55 degrees		94 %	0.910	8301/G2 A.A.G. STUCCHI
CLL03x/CLU034	55 degrees		94 %	0.900	8101/G2 A.A.G. STUCCHI
Soleriq S19	55 degrees		93 %	0.900	Solderless Connector 47.319.2170 BJB
<del>STARK SLE PURE G3 LES17</del>	<del>56 degrees</del>		<del>93 %</del>	<del>0.890</del>	<del>8101/G2 A.A.G. STUCCHI</del>
<del>CXA25xx</del>	<del>57 degrees</del>		<del>93 %</del>	<del>0.870</del>	<del>8401/G2 A.A.G. STUCCHI</del>

October 22nd 2014 8:47 Copyright Ledil Oy - Subject to change without prior notice - Page 1/8



**PRODUCT DATASHEET**  
**ANGELINA series**  
last update 17/10/2014

LUXEON CoB 1211

58 degrees

92 %

0.870

8102/G2 A.A.G. STUCCHI



**PRODUCT DATASHEET**  
**ANGELINA series**  
last update 17/10/2014

COB 40W/60W

62 degrees

92 %

0.810

8102/G2 A.A.G. STUCCHI



**PRODUCT DATASHEET**  
**ANGELINA series**  
last update 17/10/2014

CLL04x/CLU044

62 degrees

92 %

0.820

8102/G2 A.A.G. STUCCHI



**PRODUCT DATASHEET**  
**ANGELINA series**  
last update 17/10/2014

ZC25/40

62 degrees

92 %

0.810

8102/G2 A.A.G. STUCCHI



**PRODUCT DATASHEET**  
**ANGELINA series**  
last update 17/10/2014

CXM-22

63 degrees

92 %

0.800

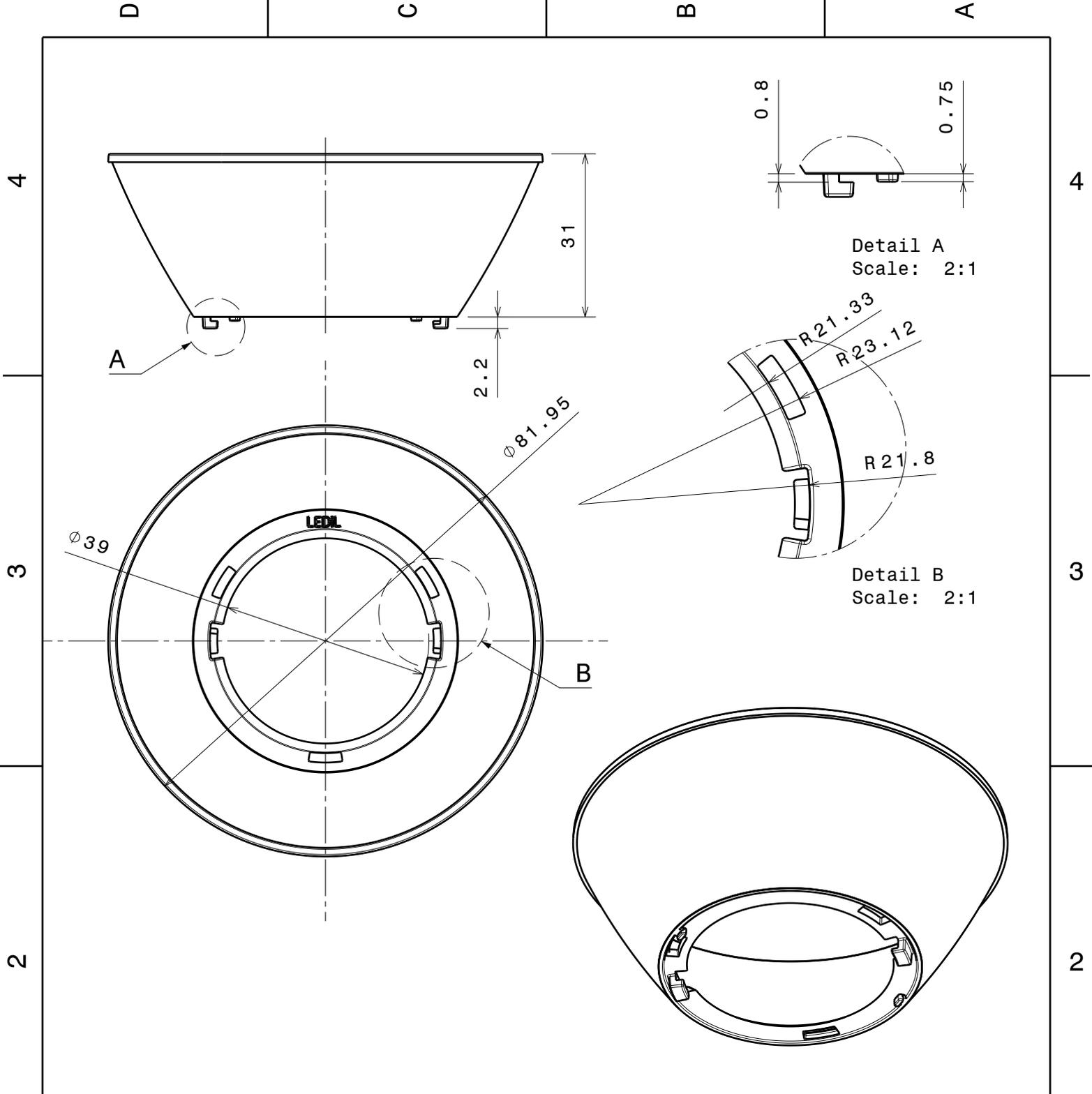
Solderless Connector



**PRODUCT DATASHEET**  
**ANGELINA series**  
last update 17/10/2014

47.319.2030 BJB





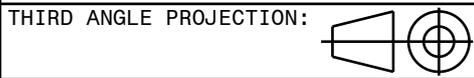
Detail A  
Scale: 2:1

Detail B  
Scale: 2:1

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1		ANGELINA-B	PC	metal

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."

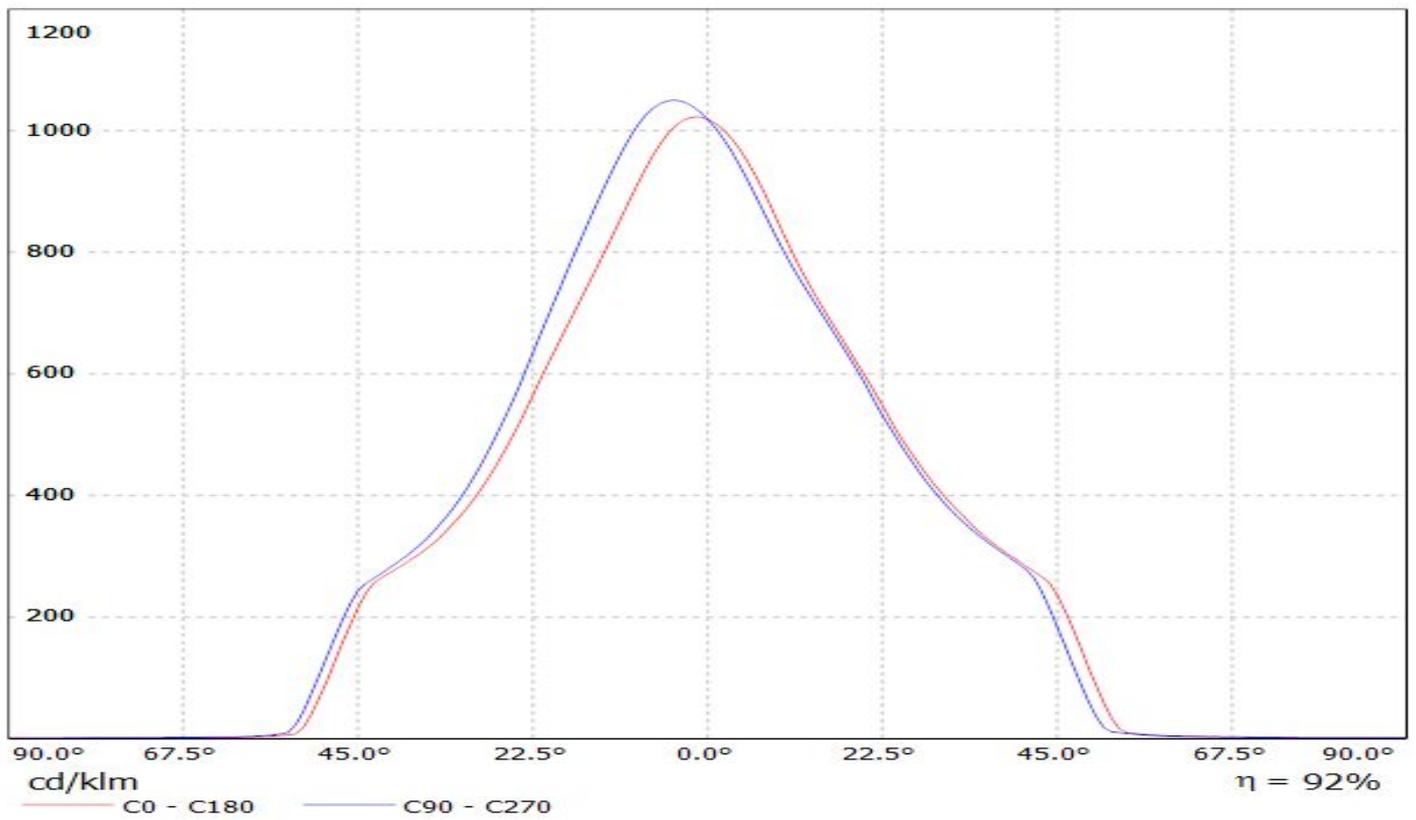
SIZE	PART NUMBER
A4	-

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

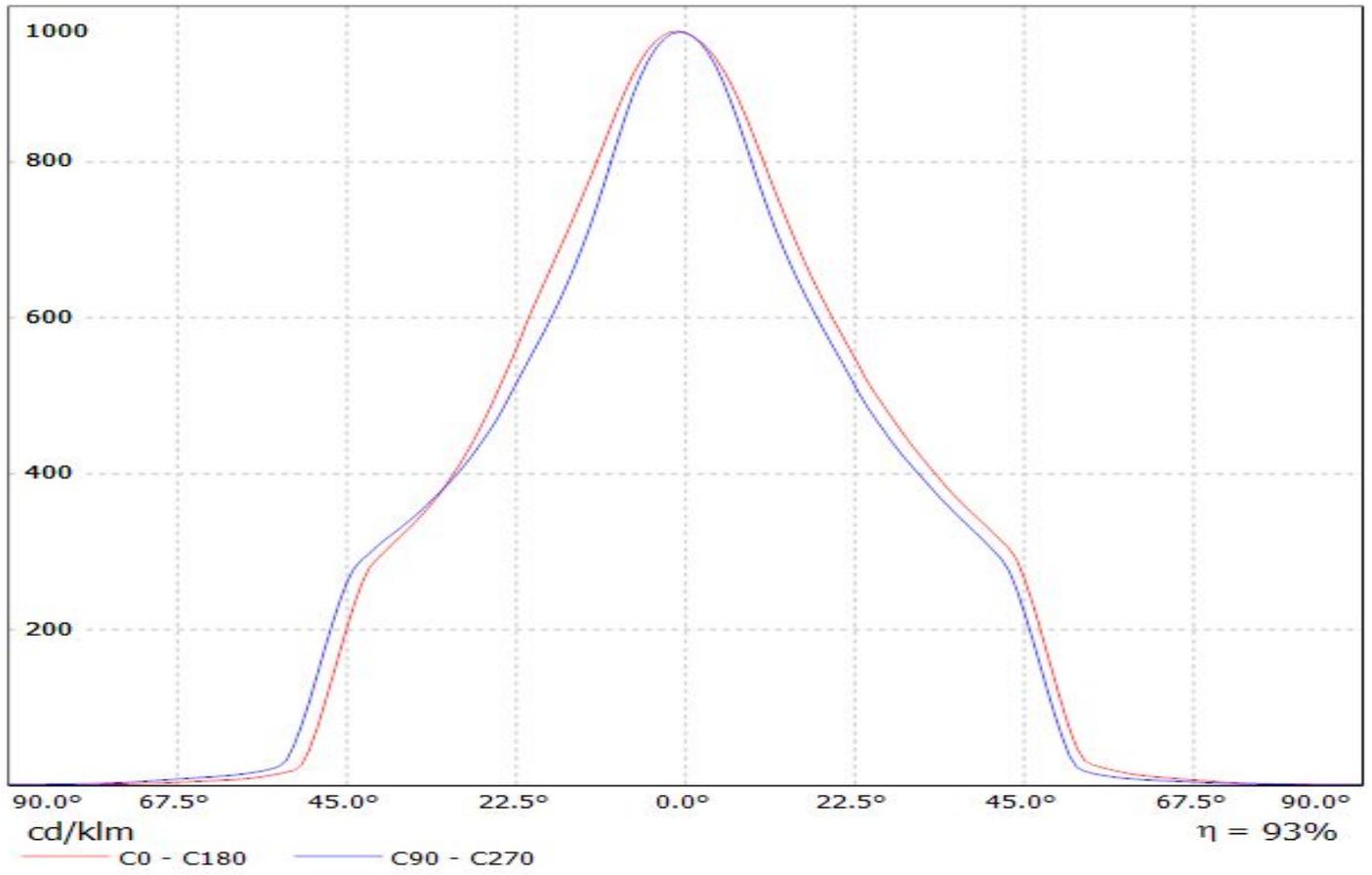
# LEDiL Oy C13661\_ANGELINA-W-B\_(CLL030) Eff.92.0% / LDC (Linear)

Luminaire: LEDiL Oy C13661\_ANGELINA-W-B\_(CLL030) Eff.92.0%

Lamps: 1 x CITIZEN\_CLL030\_(CLL030-1205A5-303H1A7) 797.292lm@250mA CCT=3000K P=8.65307W I=249.8mA

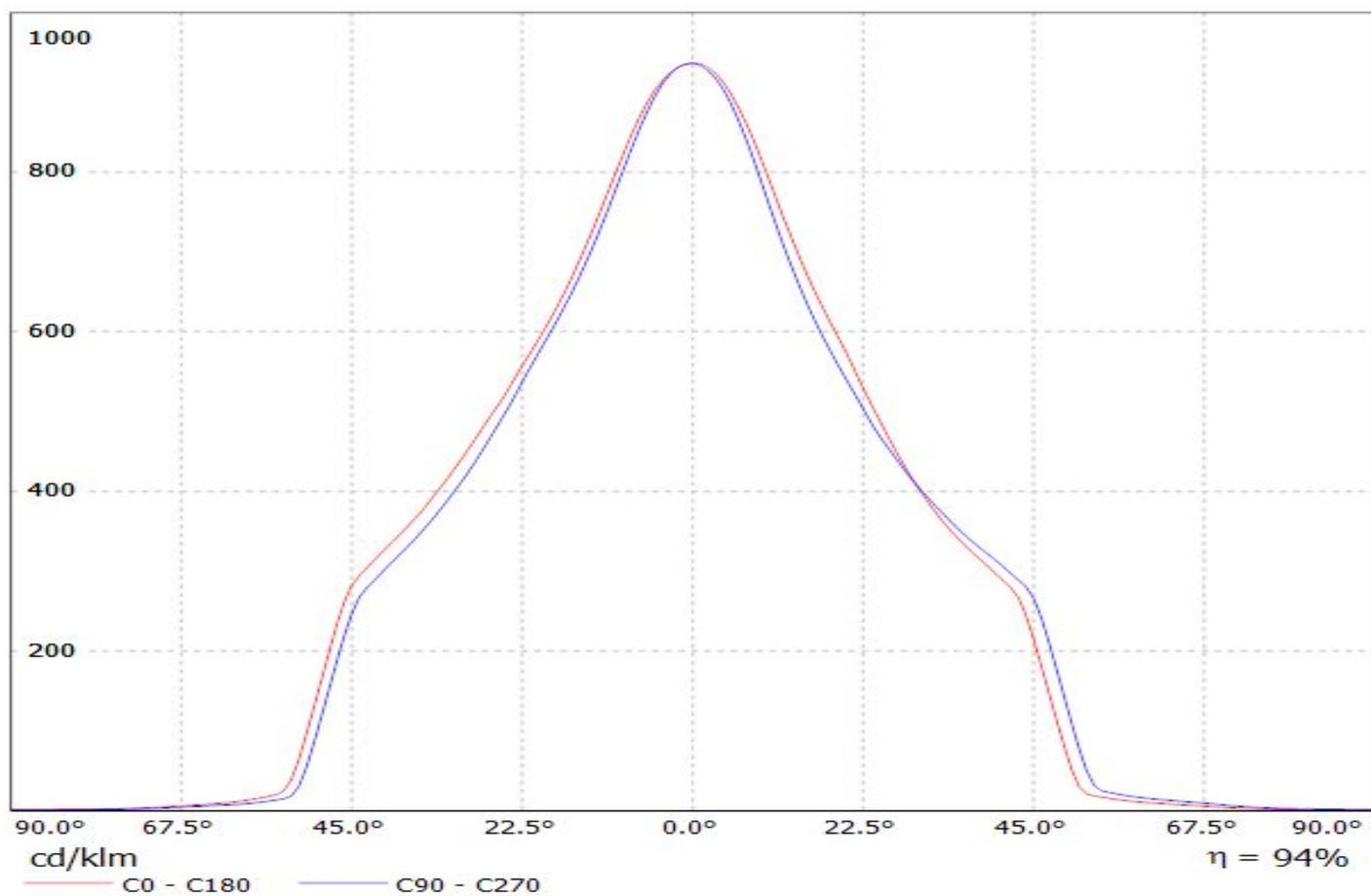


Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CXM-14)  
Lamps: 1 x LUMINUS\_XNOVA\_CXM-14\_(AC00)  
\_1049.18lm@250mA\_CCT=3126K\_P=8.31834W\_I=249.8mA

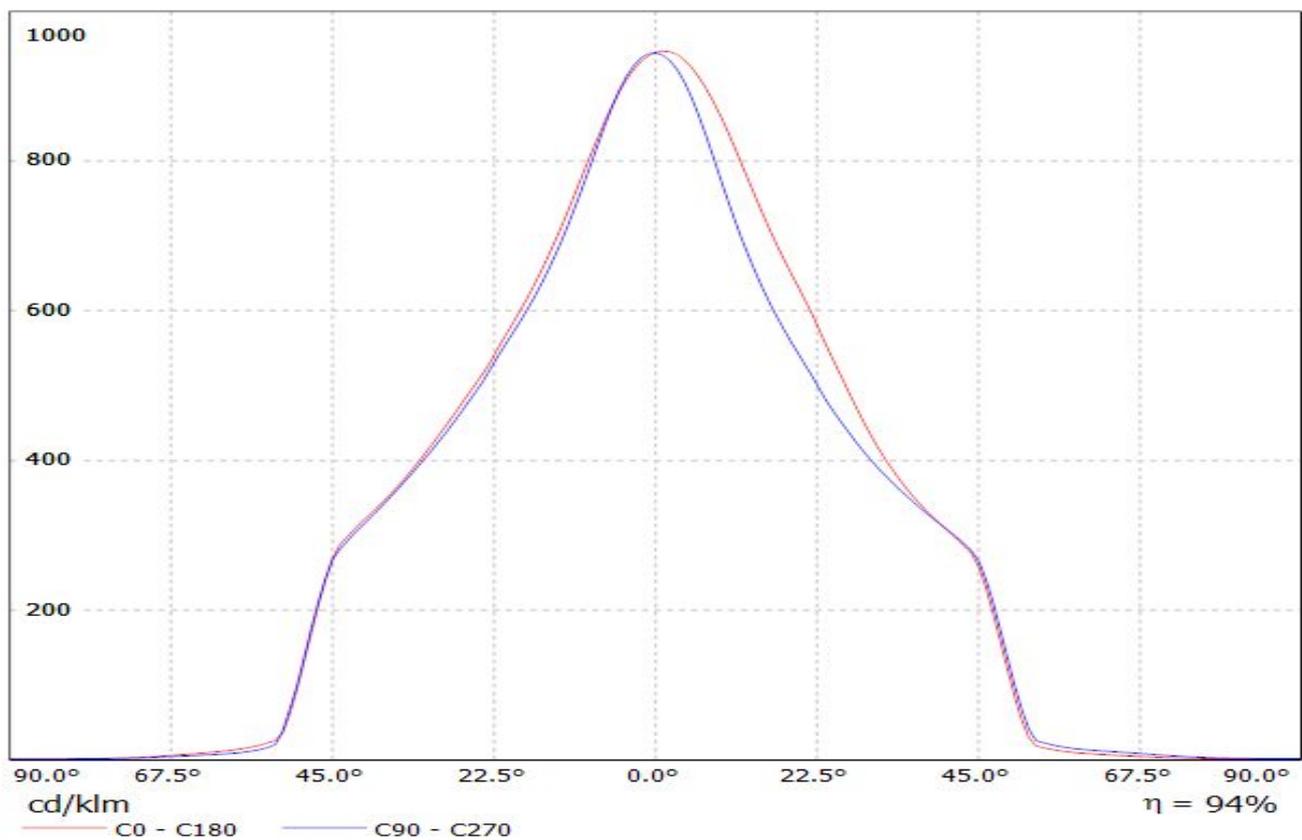


Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(LG\_COB\_10W)

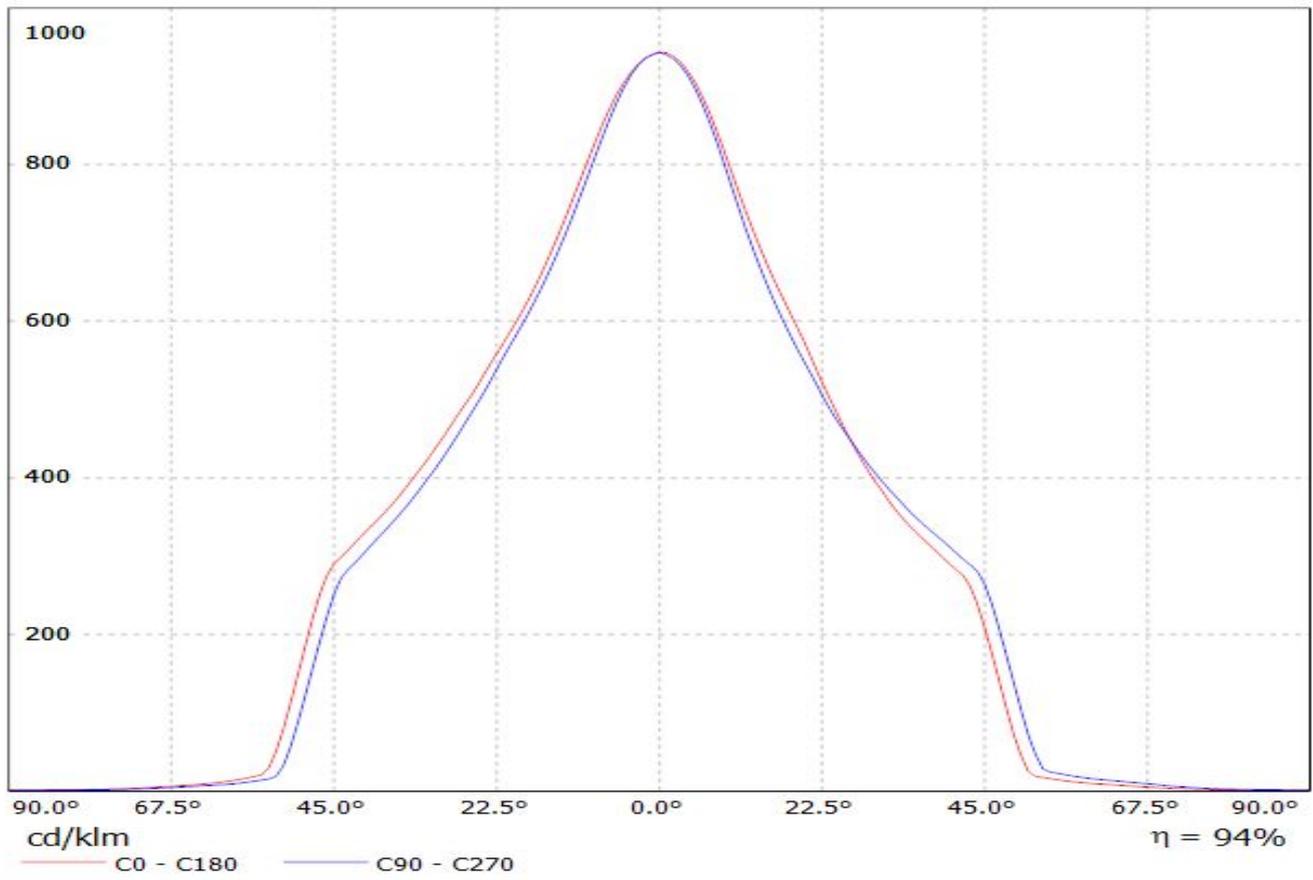
Lamps: 1 x LG\_COB\_10W\_(LEMWM18580LG00)\_917.757lm@250mA\_P=9.31304W\_I=249.8mA



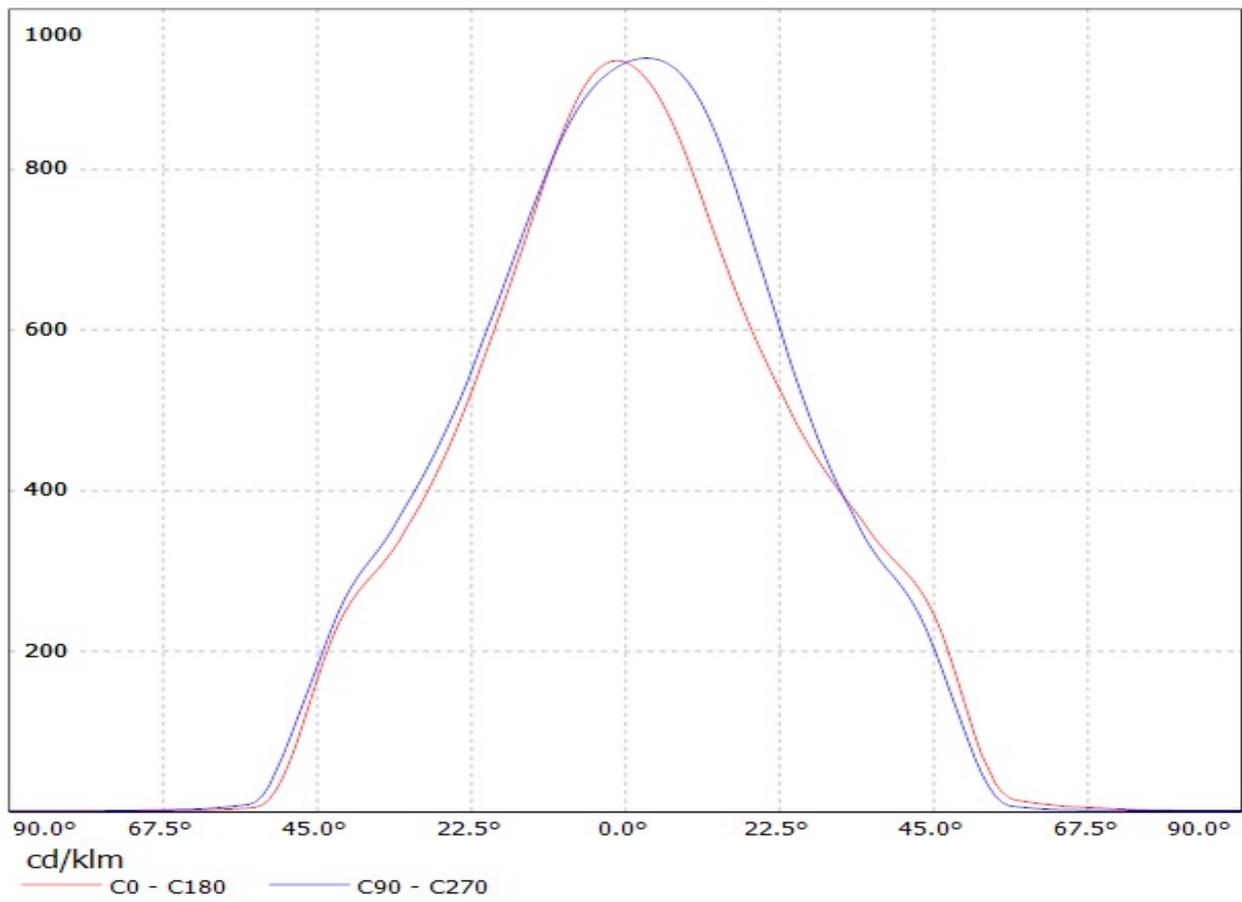
Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(Soleriq\_S13) Eff.94.0%  
Lamps: 1 x Osram\_Soleriq\_S13\_825.418lm@250mA\_CCT=3125K\_P=7.33663W\_I=249.8mA



Luminaire: LEDiL Oy F13661\_ANGELINA-W-B (Luxeon CoB 1205)  
Lamps: 1 x LUXEON\_COB\_1205\_(LHC1-3080-1205)\_1115lm@250mA\_CCT=3000K\_P=11.183W\_I=249.8mA

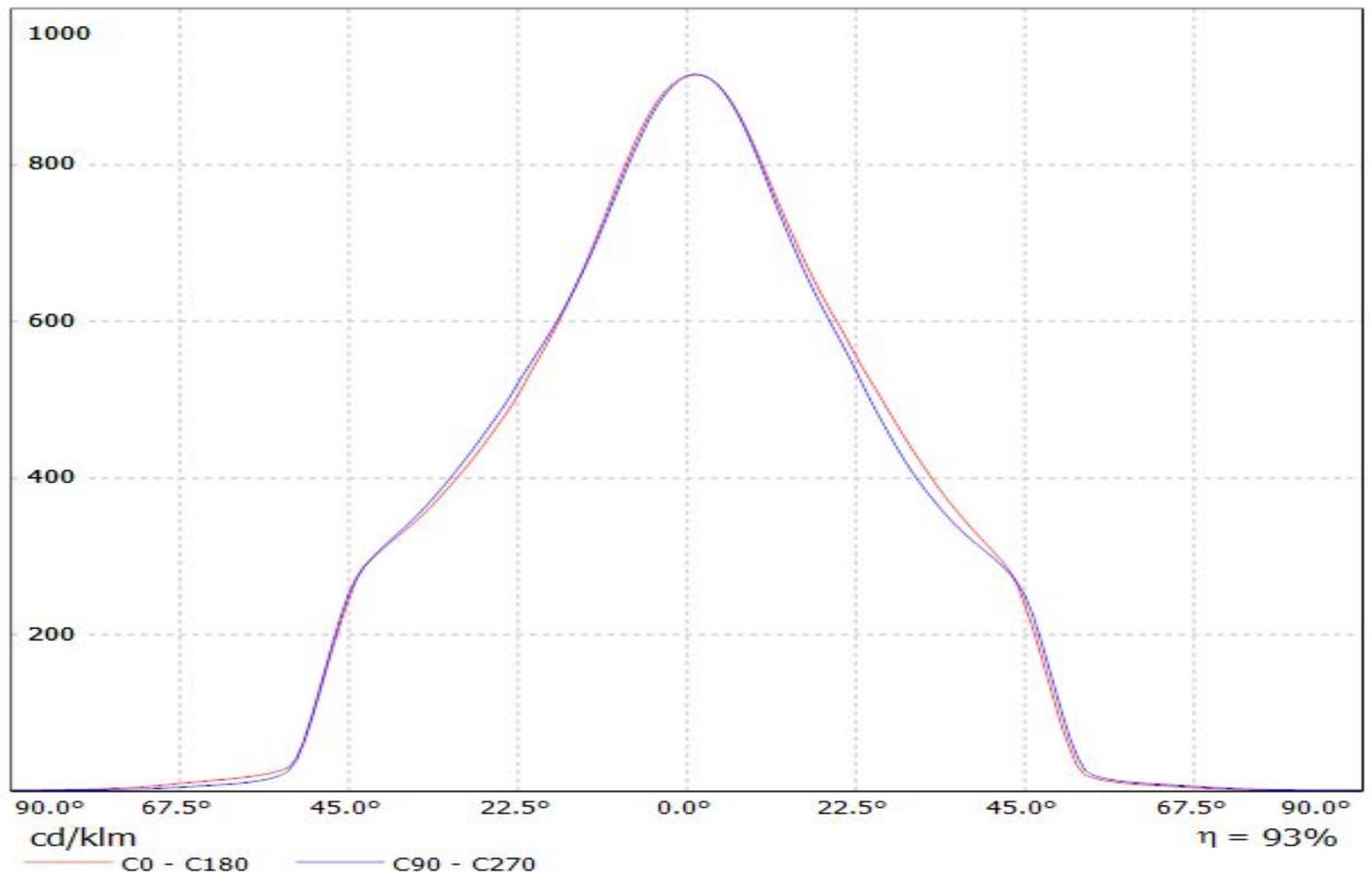


Luminaire: LEDiL Oy C13661\_ANGELINA-W-B\_(Soleriq-E30) Eff: 90%  
Lamps: 1 x Osram Soleriq E30 (QW KAJRB2.EM-TPTR-50H4) 1358.6lm@250mA\_P=10.2338W\_I=0.2498mA

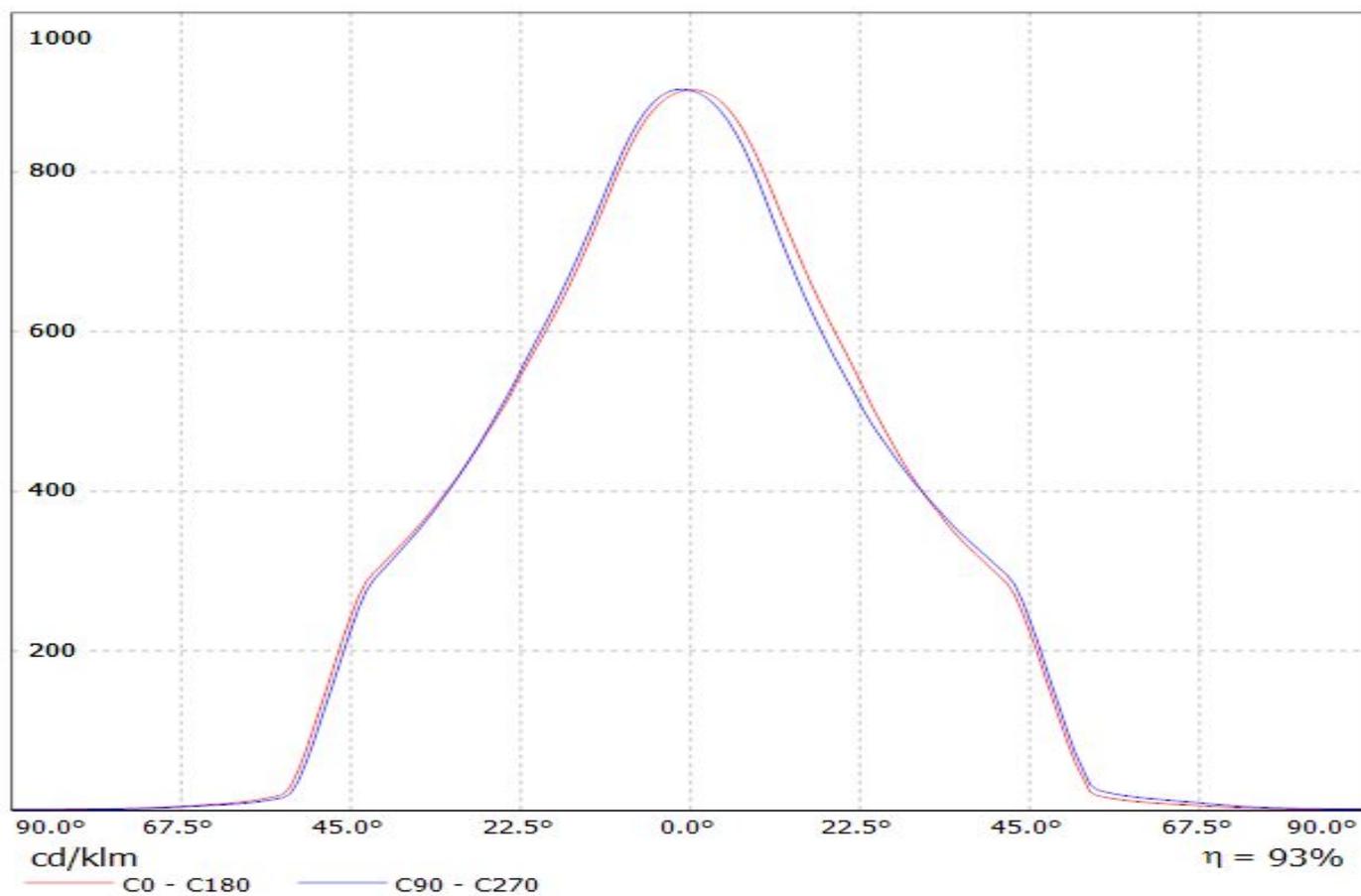


Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(ZC12)

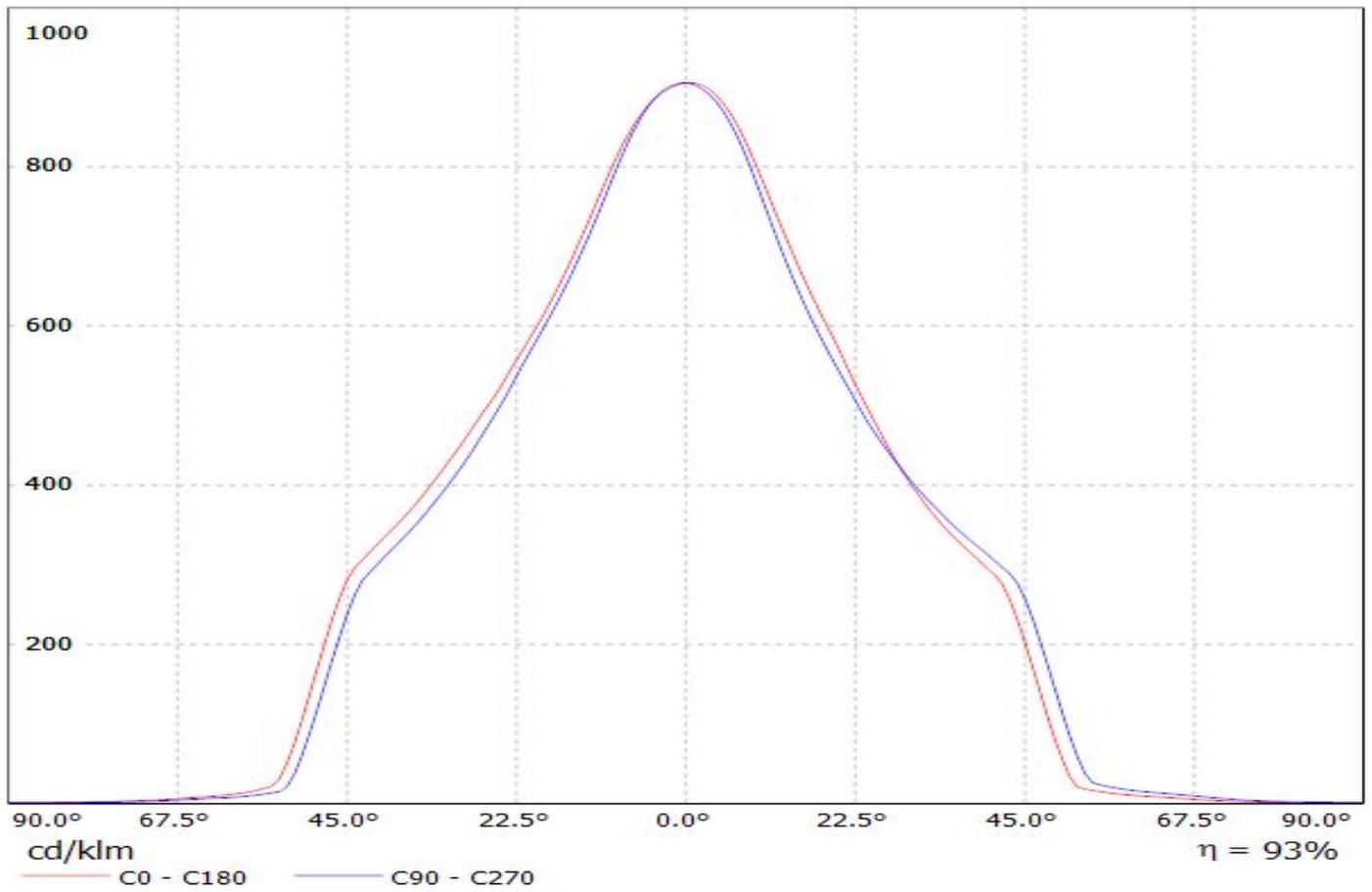
Lamps: 1 x SEOUL\_ZC12\_(SDW82F1C)\_1240.73lm@250mA\_P=8.68405W\_I=249.8mA



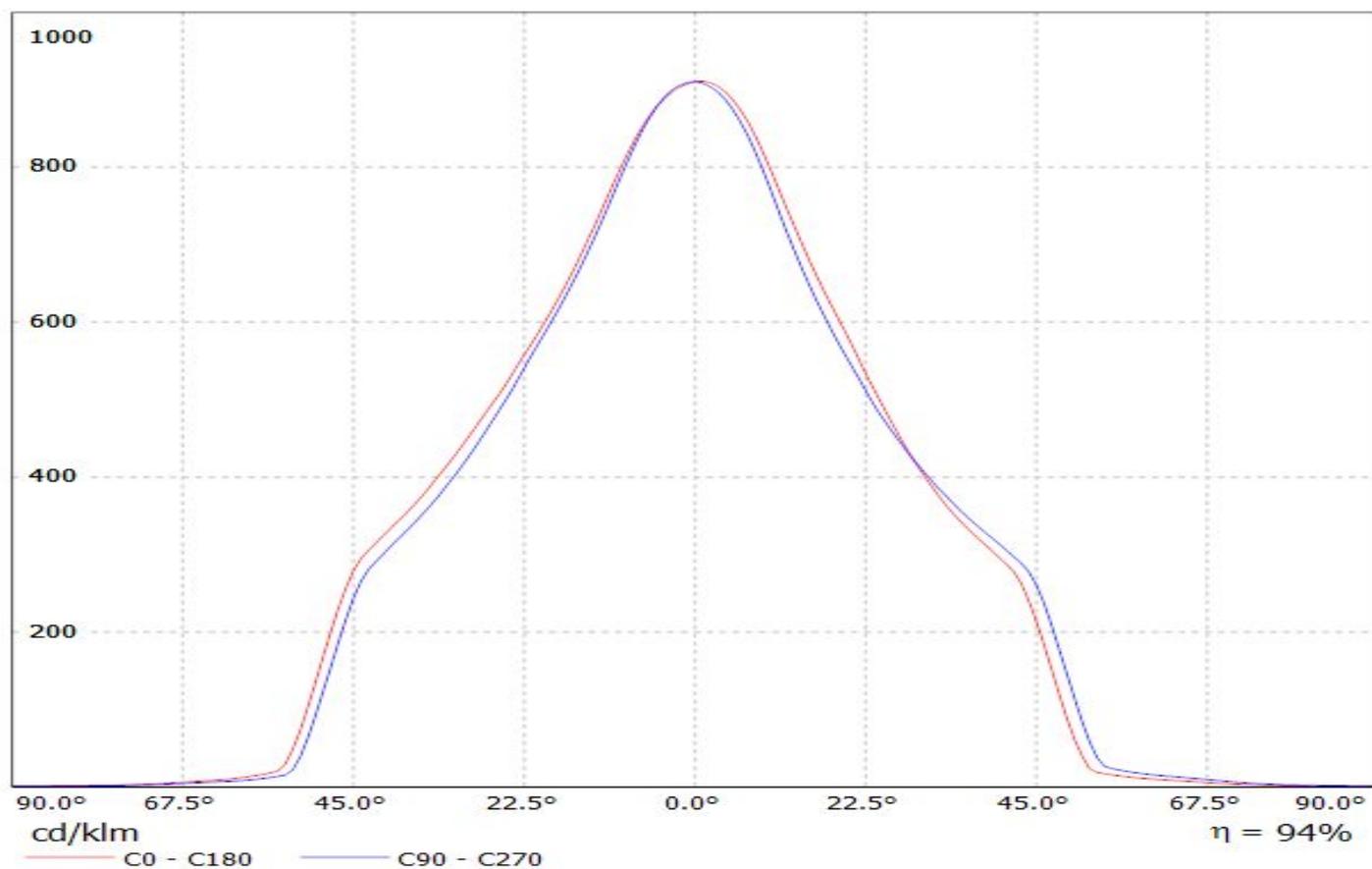
Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(S19) Eff.93.0%  
Lamps: 1 x Osram\_SOLERIQ\_S19\_1434.85lm@250mA\_P=10.5595W\_I=249.8mA



Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(Luxeon\_CoB\_1208)  
Lamps: 1 x Luxeon\_CoB\_1208\_1057.71lm@250mA\_P=8.26438W\_I=249.8mA

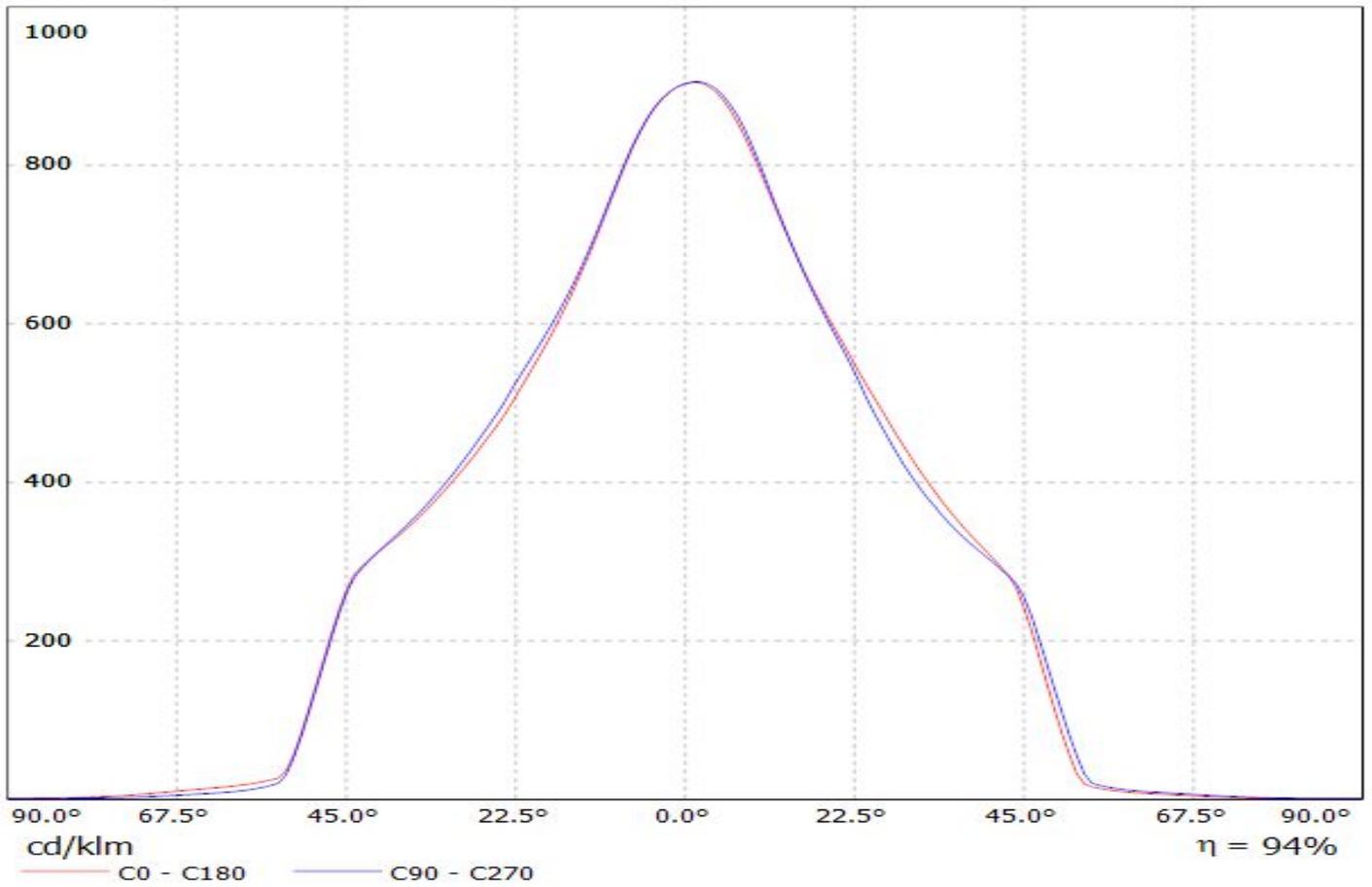


Luminaire: LEDiL Oy F13661\_ANGELINA-W-B (MegaZenigata\_GW6)  
Lamps: 1 x Sharp\_MegaZenigata\_GW6\_(GW6DME30NFC)  
\_1266.19lm@250mA\_CCT=3038K\_P=11.2151W\_I=250.6mA

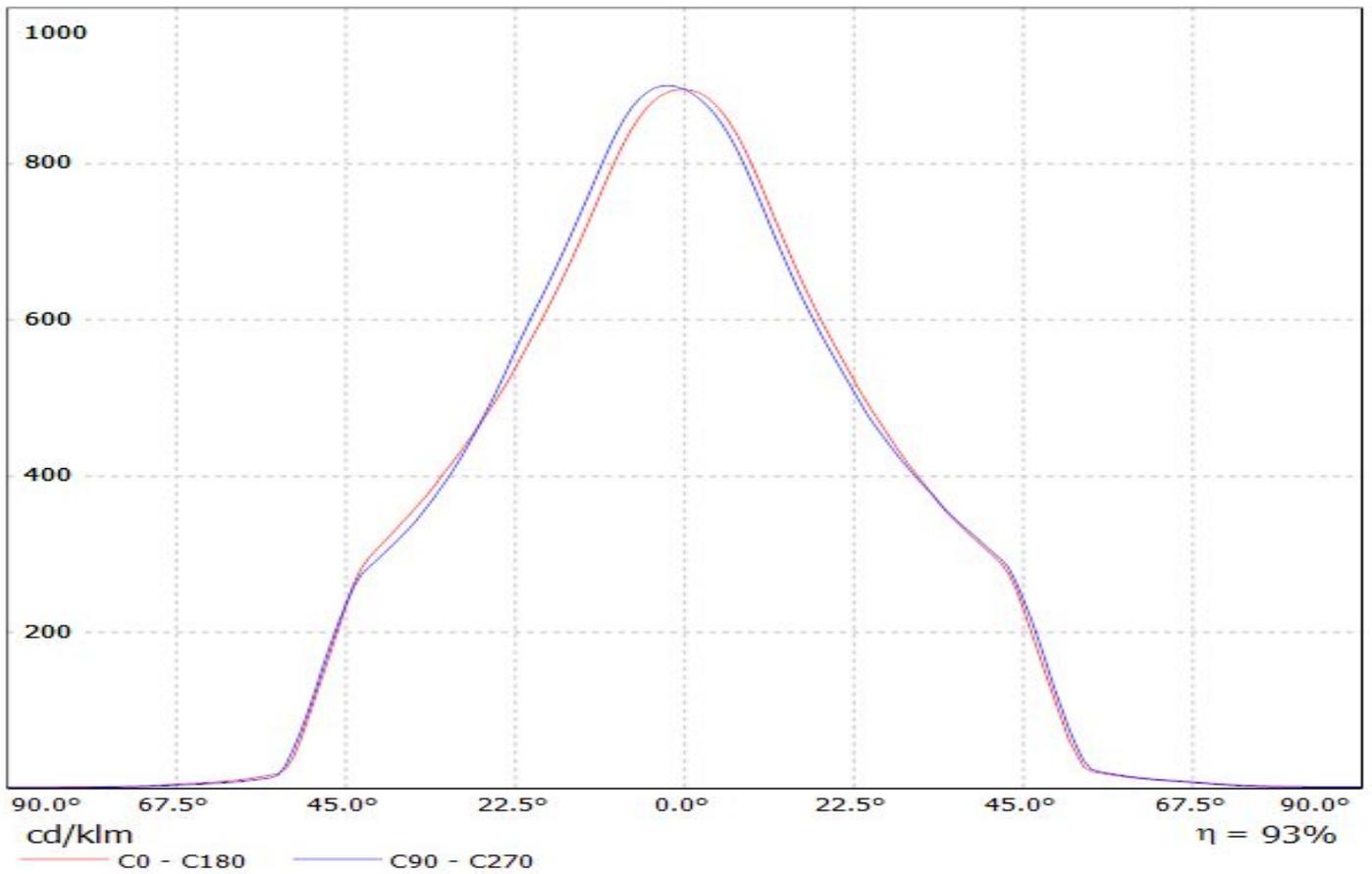


Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CLU034)

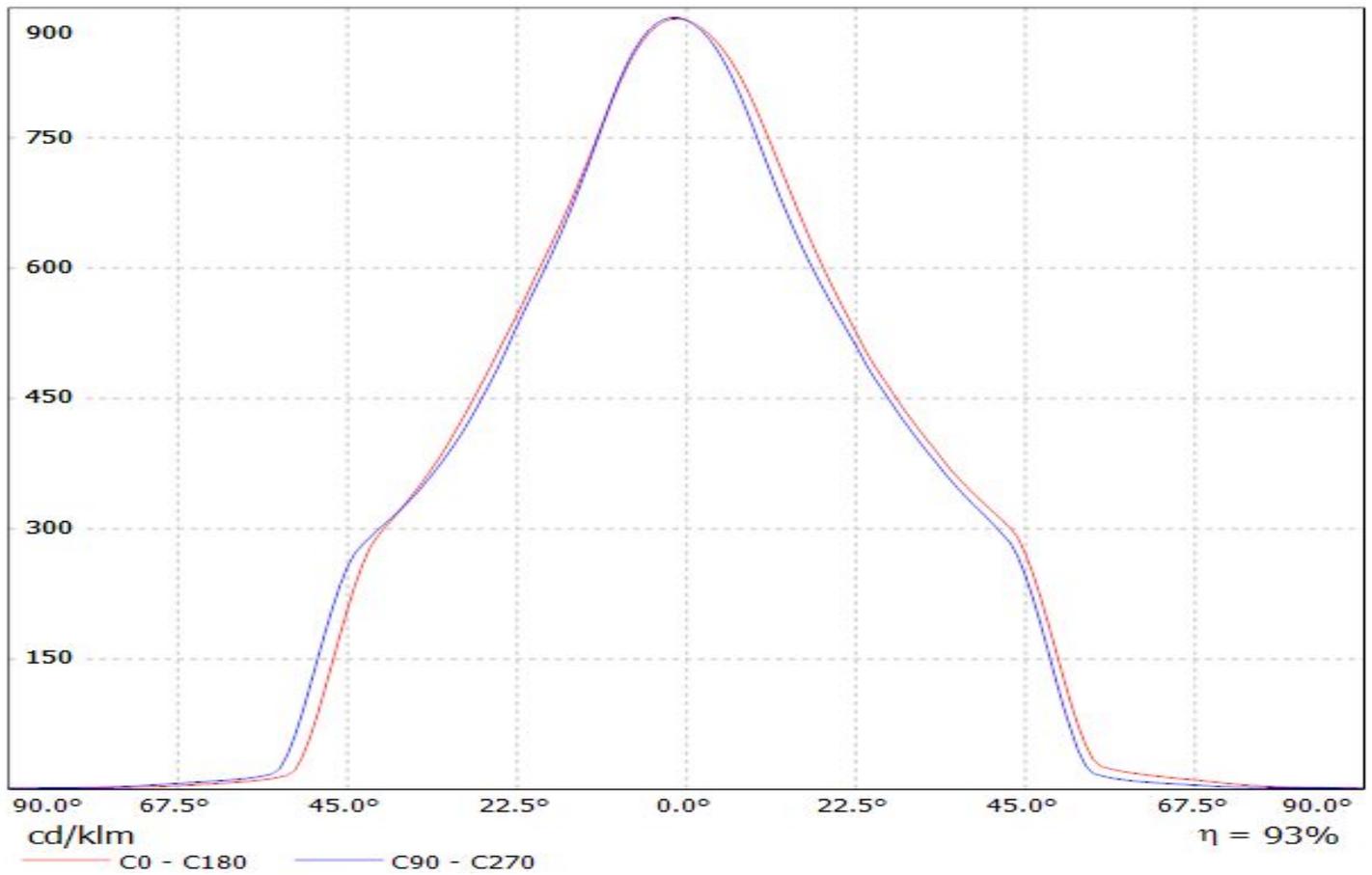
Lamps: 1 x Citizen\_CLU034\_(CLU034-1205B8-303M1A2)\_1159.11lm@250mA\_P=8.46586W\_I=249.9mA



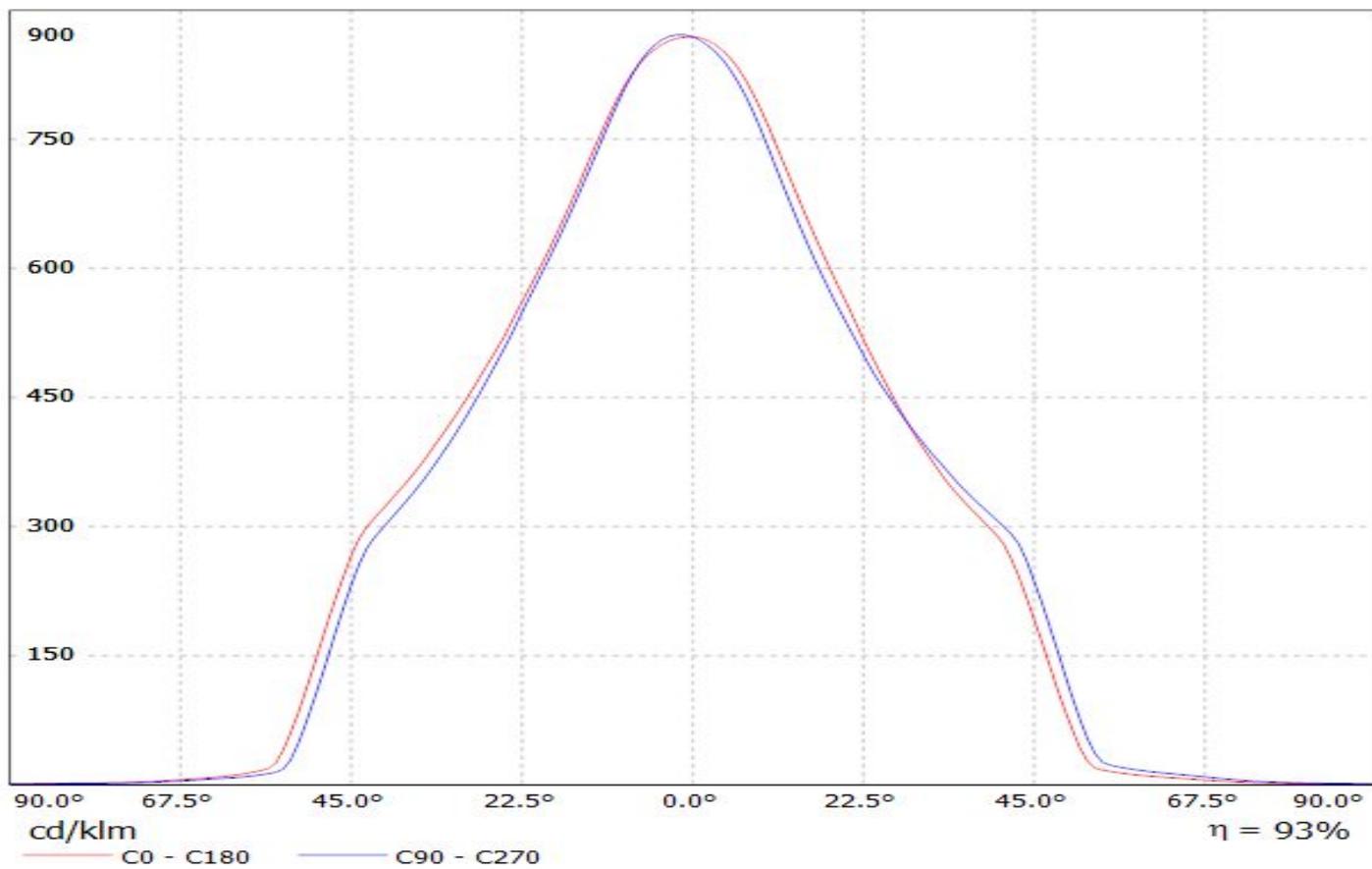
Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(Soleriq S19) Eff.90.0%  
Lamps: 1 x OSRAM\_SOLERIQ\_S19\_(GW\_KAHJB1.EM)  
\_1445.44lm@250mA\_CCT=3000K\_P=10.558W\_I=249.8mA



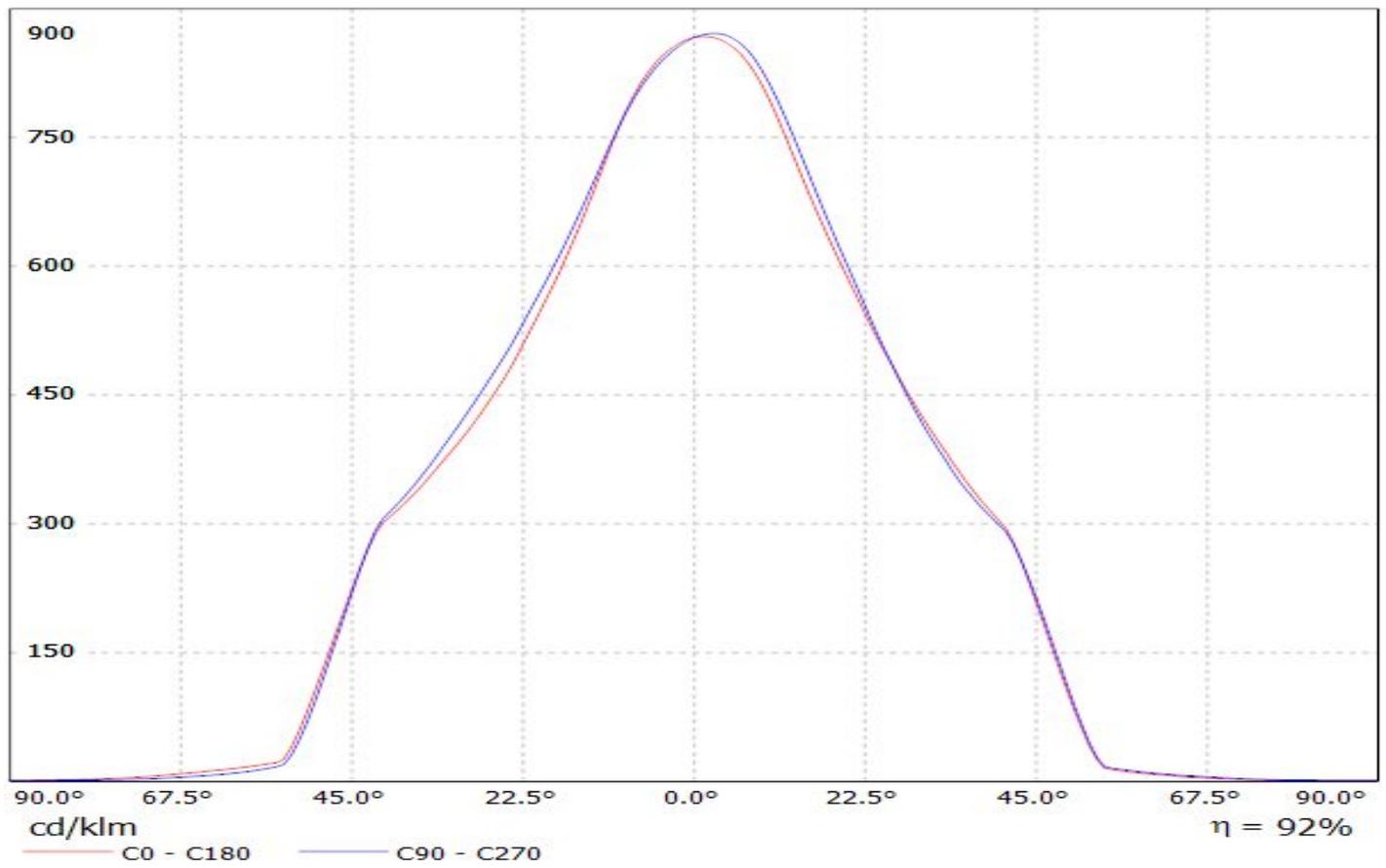
Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(STARK\_SLE\_G3\_LES17)  
Lamps: 1 x TRIDONIC\_STARK\_SLE\_G3\_LES17\_(STARK-SLE-PURE\_G3-17-2000-840-CLA)  
\_1030.26lm@250mA\_CCT=2000K\_P=8.34707W\_I=249.8mA



Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CXA2590)  
Lamps: 1 x CREE\_CXA2590\_(CXA2590-30F-Z4-RPH-00001)  
\_837.275lm@100mA\_CCT=3000K\_P=6.36316W\_I=100.1mA

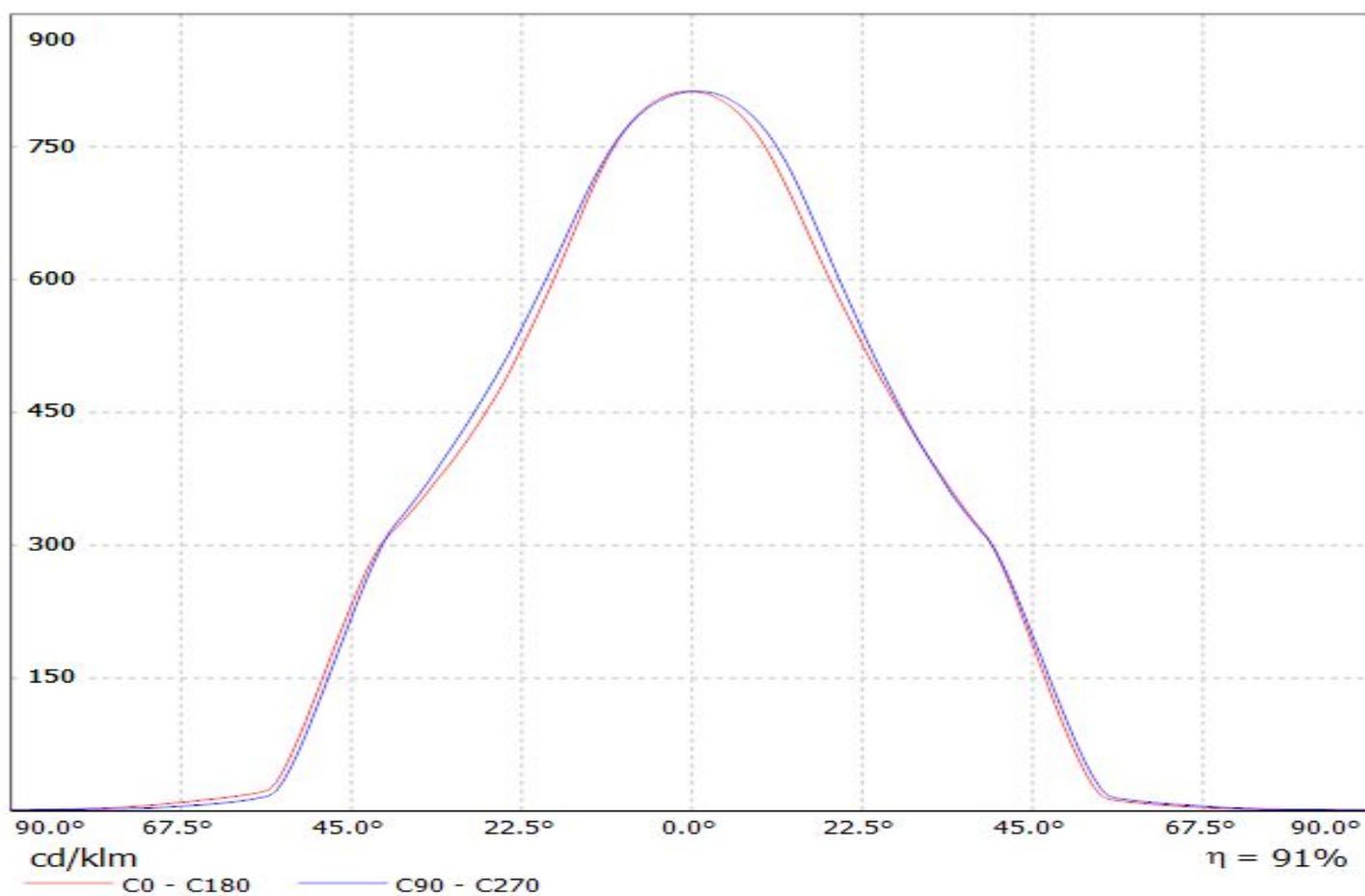


Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(Luxeon\_CoB\_1211)  
Lamps: 1 x LUXEON\_COB\_1211\_(LHC1-2790-1211)  
\_923.583lm@250mA\_CCT=2700K\_P=8.00909W\_I=249.8mA



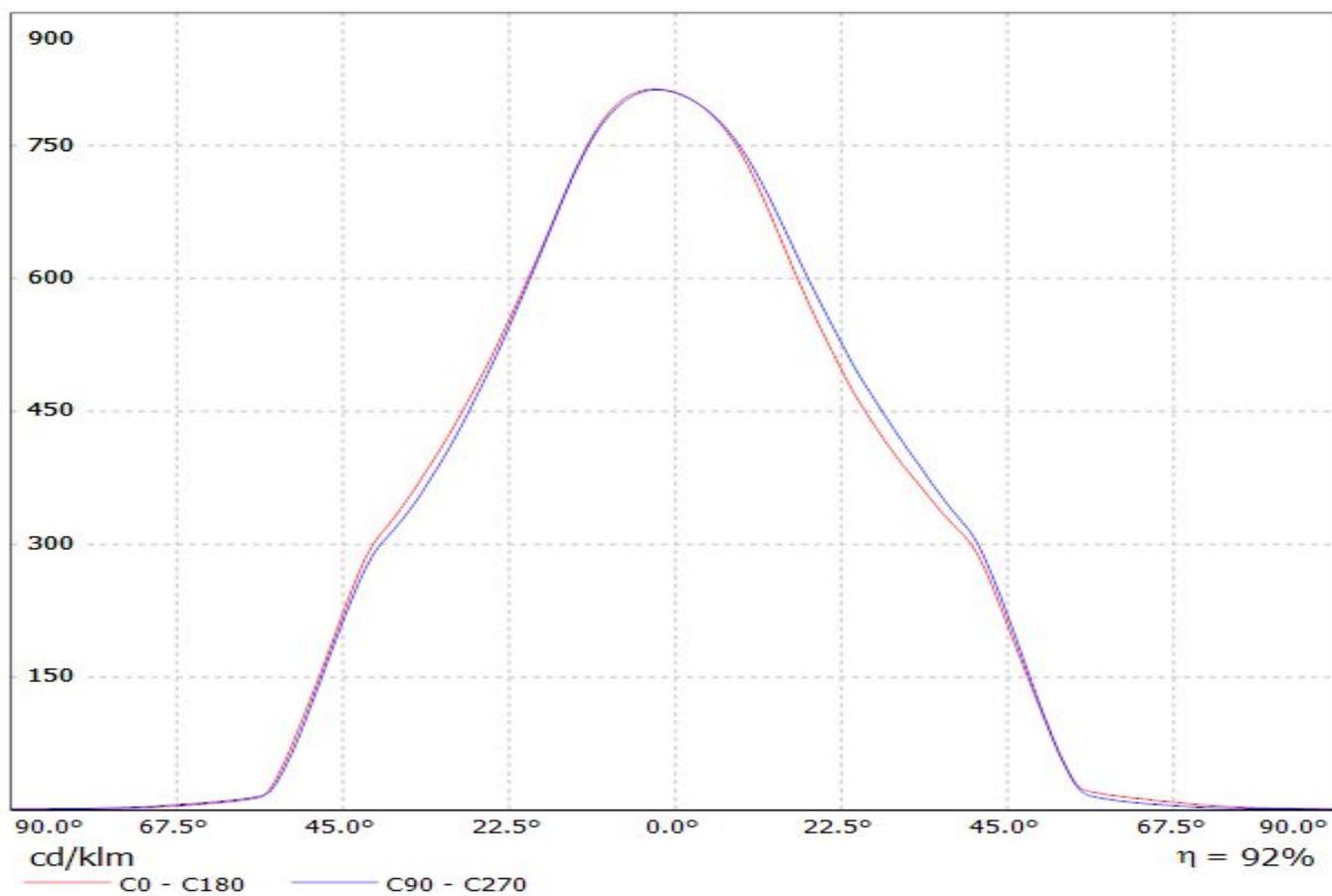
Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(COB\_40W)

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



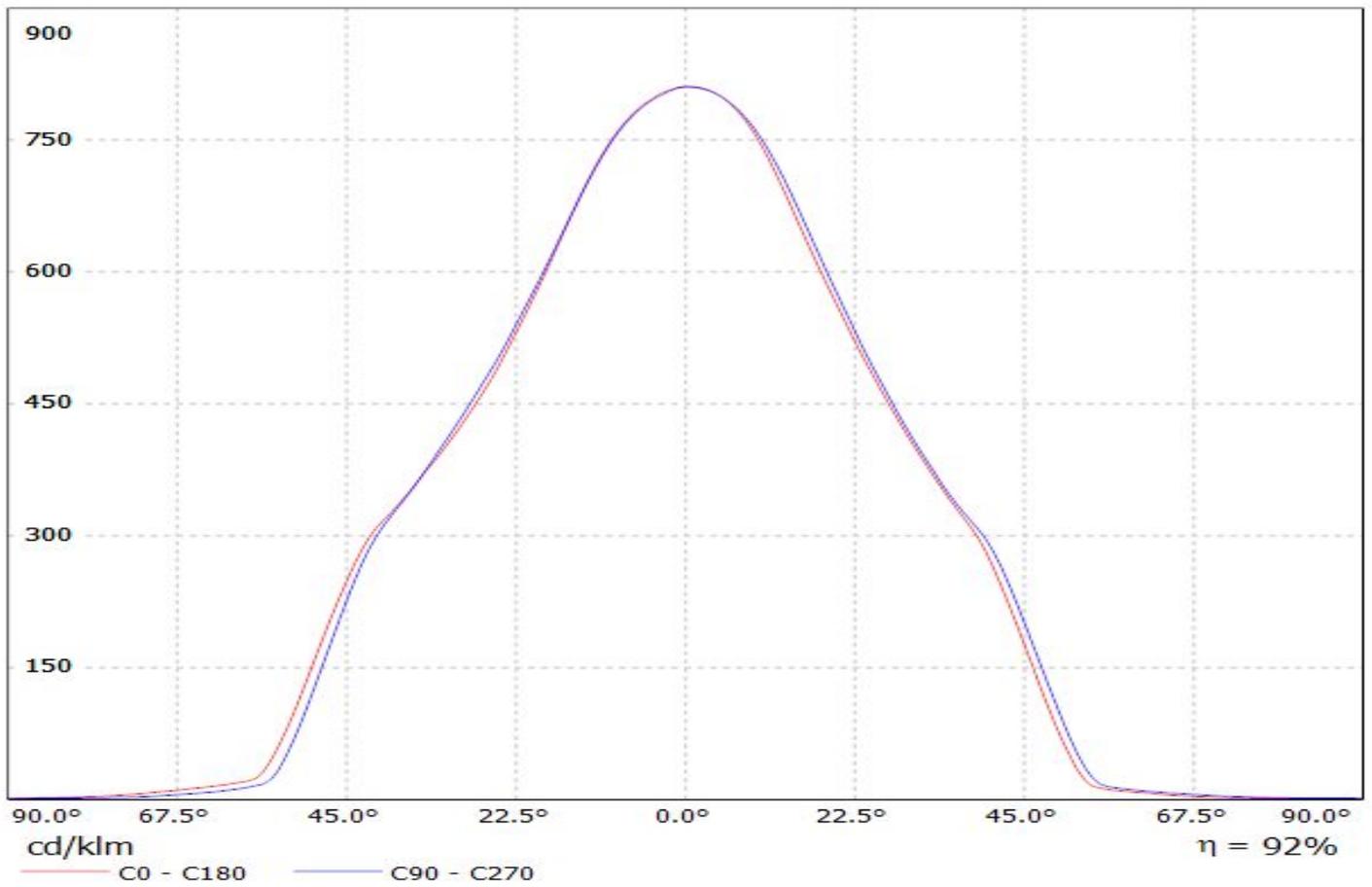
Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CLU044)

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

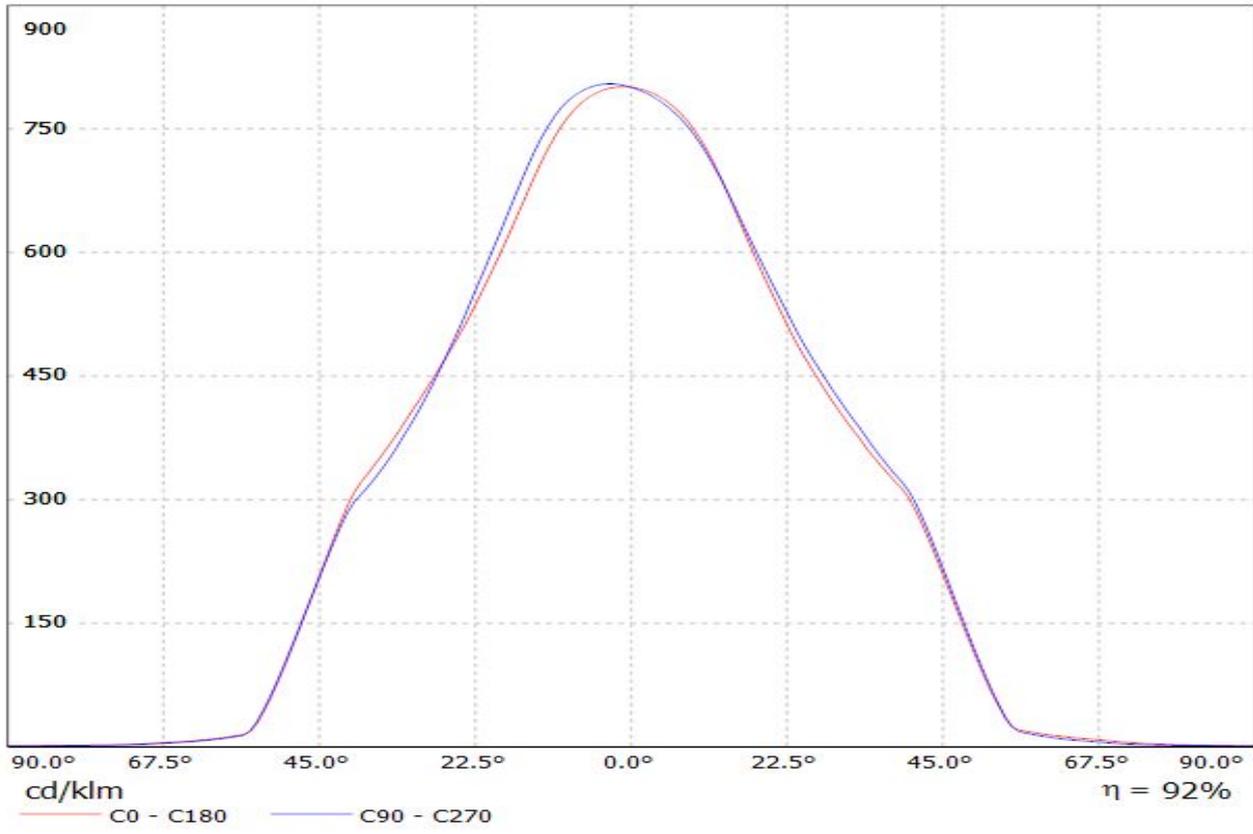


Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(ZC40)

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

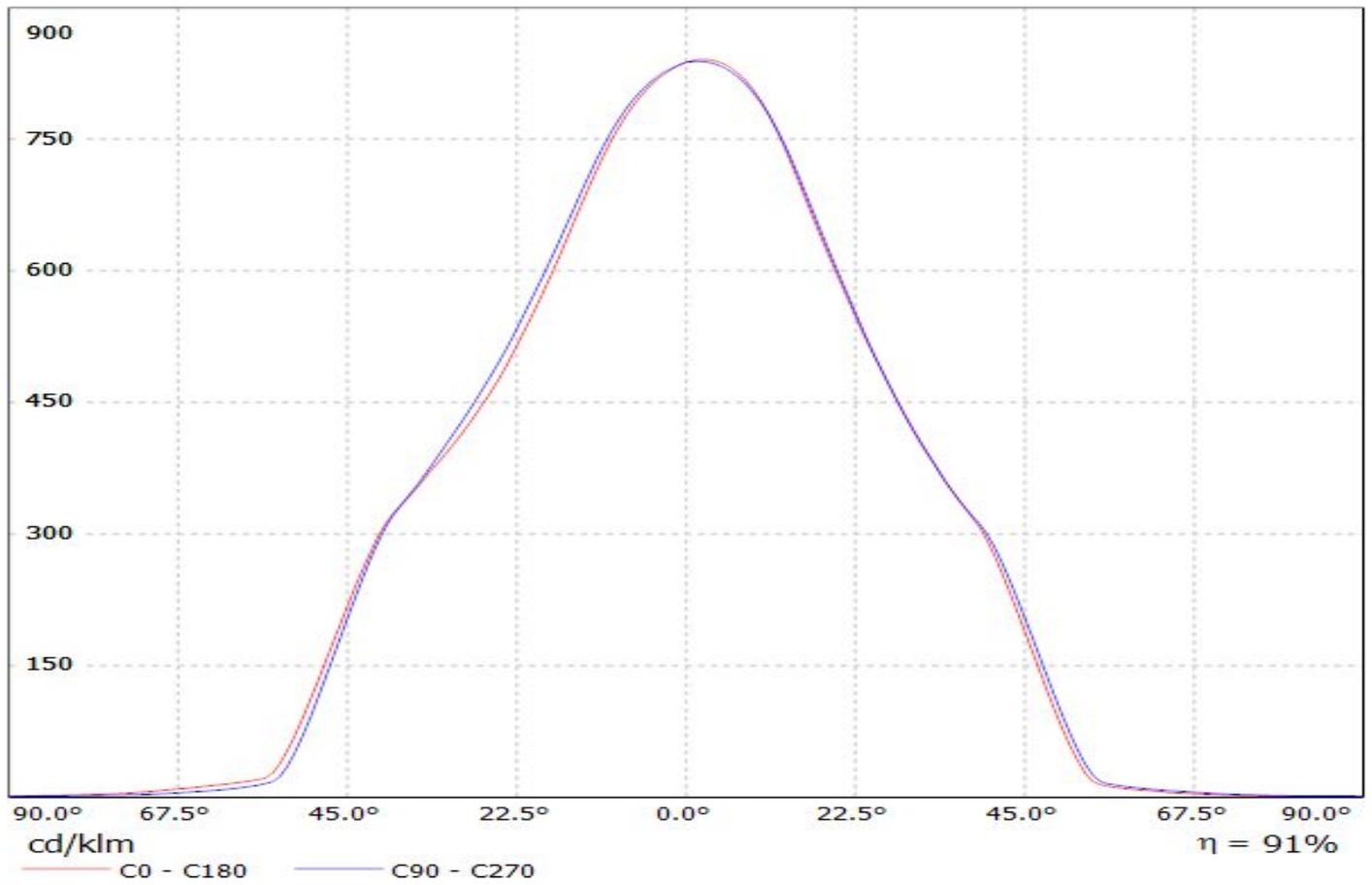


Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CXM-22) Eff 91.6%  
Lamps: 1 x LUMINUS\_CXM-22\_1221.8lm@250mA\_P=8.00809W\_CCT=3000K\_I=249.8mA



Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CXA30)

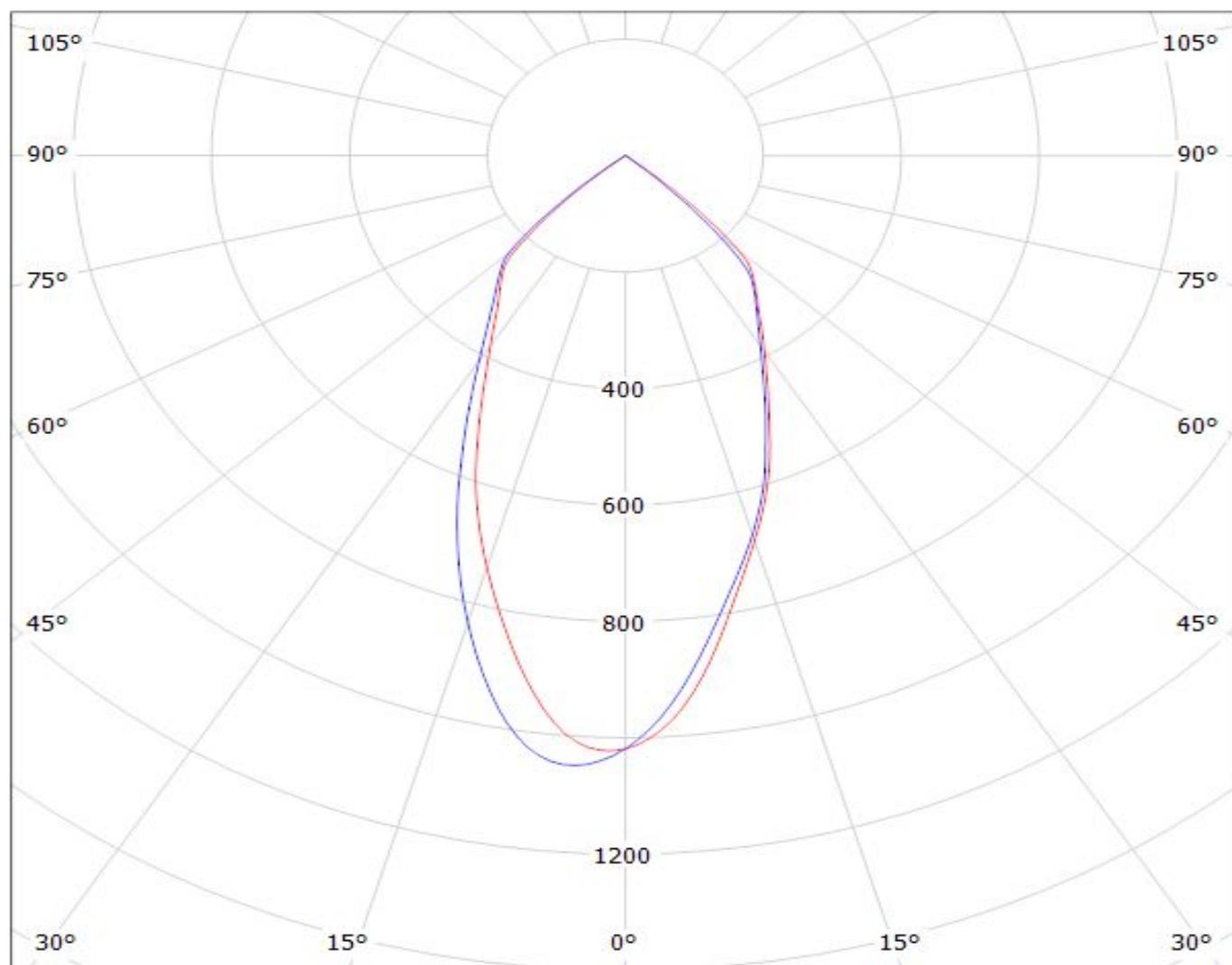
Lamps: 1 x Cree\_CXA30\_(CXA3050-3C0-Y2-N0H)\_1395.36lm@250mA\_P=8.20318W\_I=249.8mA



# LEDiL Oy C13661\_ANGELINA-W-B\_(CLL030) Eff.92.0% / LDC (Polar)

Luminaire: LEDiL Oy C13661\_ANGELINA-W-B\_(CLL030) Eff.92.0%

Lamps: 1 x CITIZEN\_CLL030\_(CLL030-1205A5-303H1A7) 797.292lm@250mA CCT=3000K P=8.65307W I=249.8mA



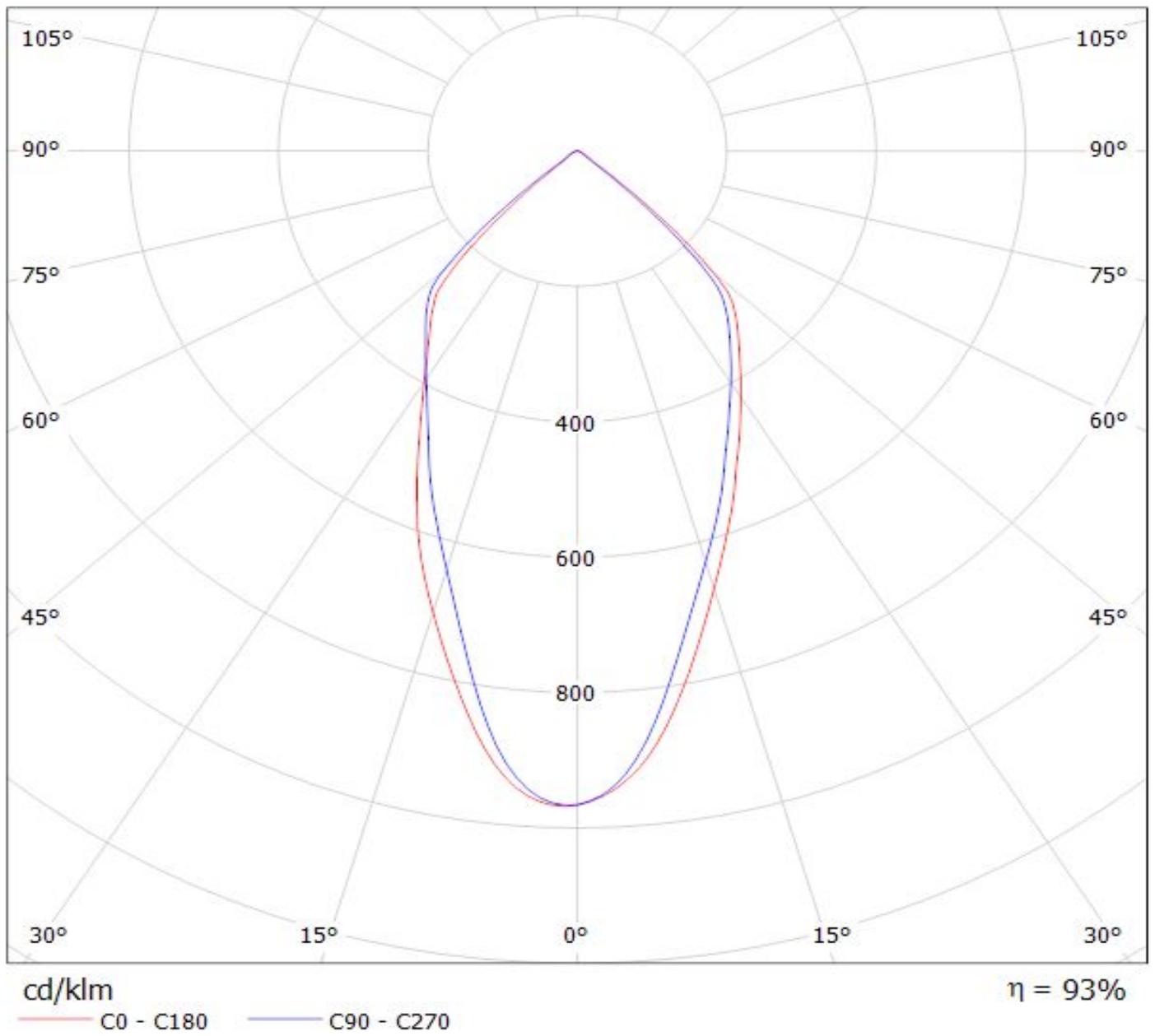
cd/klm

— C0 - C180

— C90 - C270

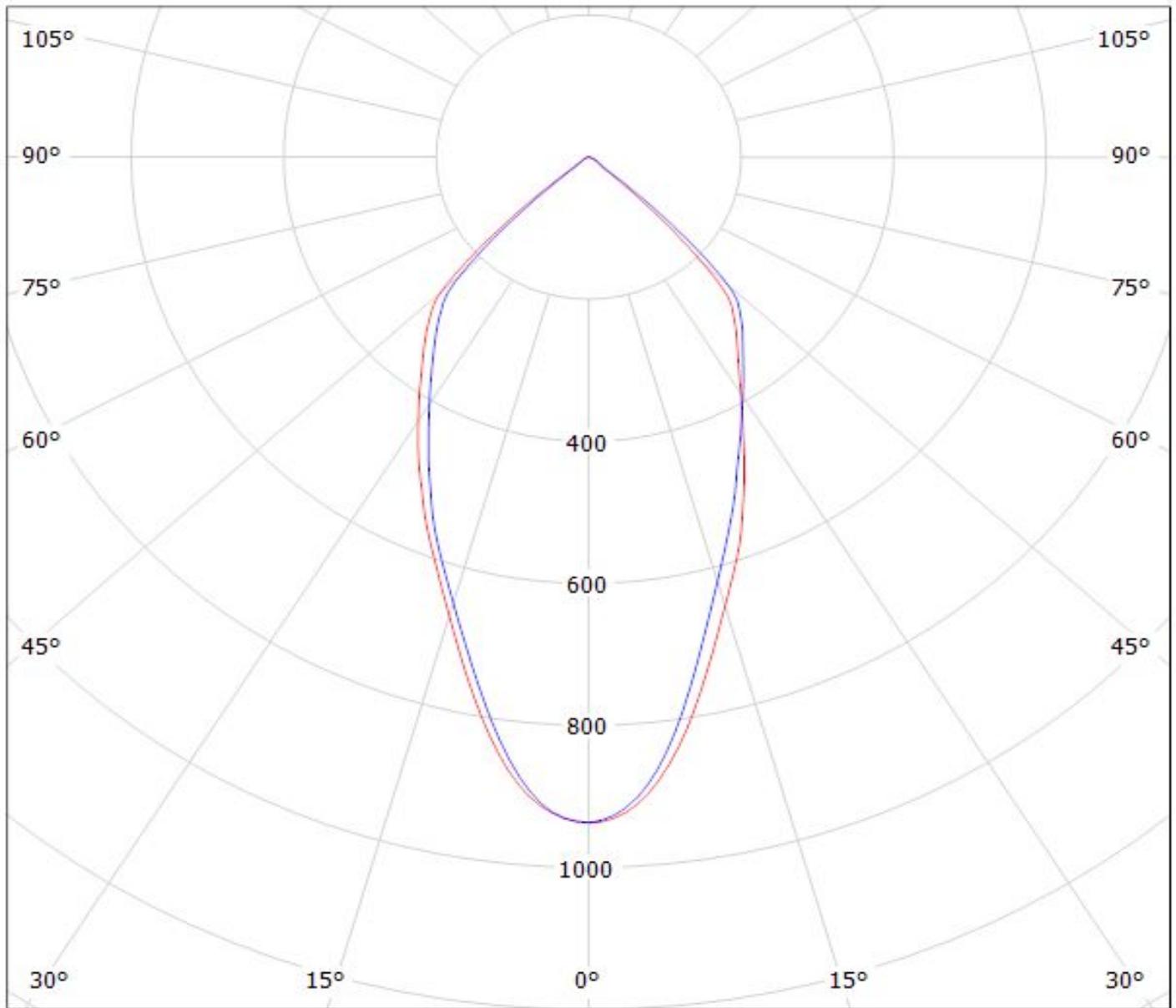
$\eta = 92\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CXM-14)  
Lamps: 1 x LUMINUS\_XNOVA\_CXM-14\_(AC00)  
\_1049.18lm@250mA\_CCT=3126K\_P=8.31834W\_I=249.8mA



Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(LG\_COB\_10W)

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



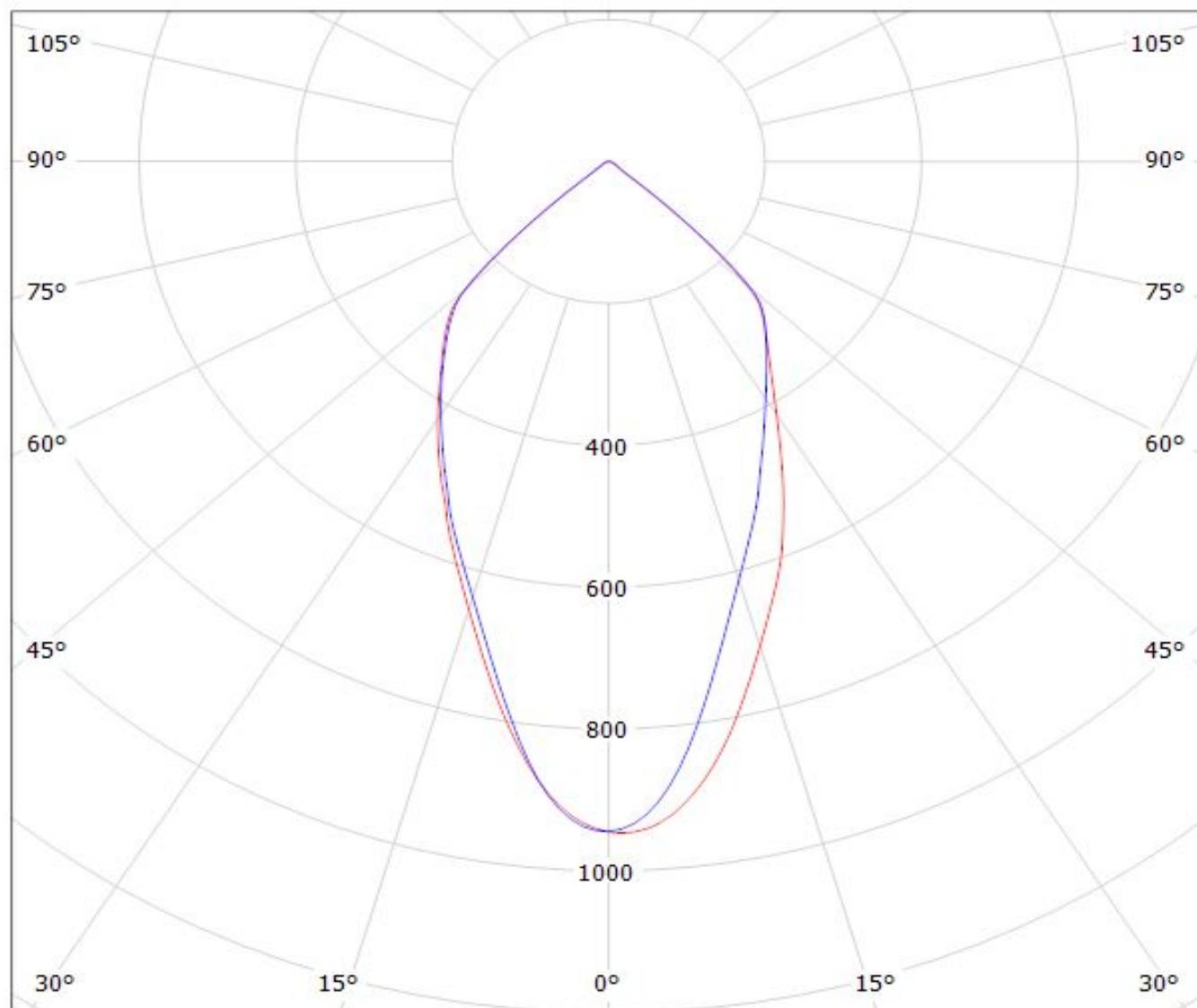
cd/klm

— C0 - C180 — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(Soleriq\_S13) Eff.94.0%

Lamps: 1 x Osram\_Soleriq\_S13\_825.418lm@250mA\_CCT=3125K\_P=7.33663W\_I=249.8mA



cd/klm

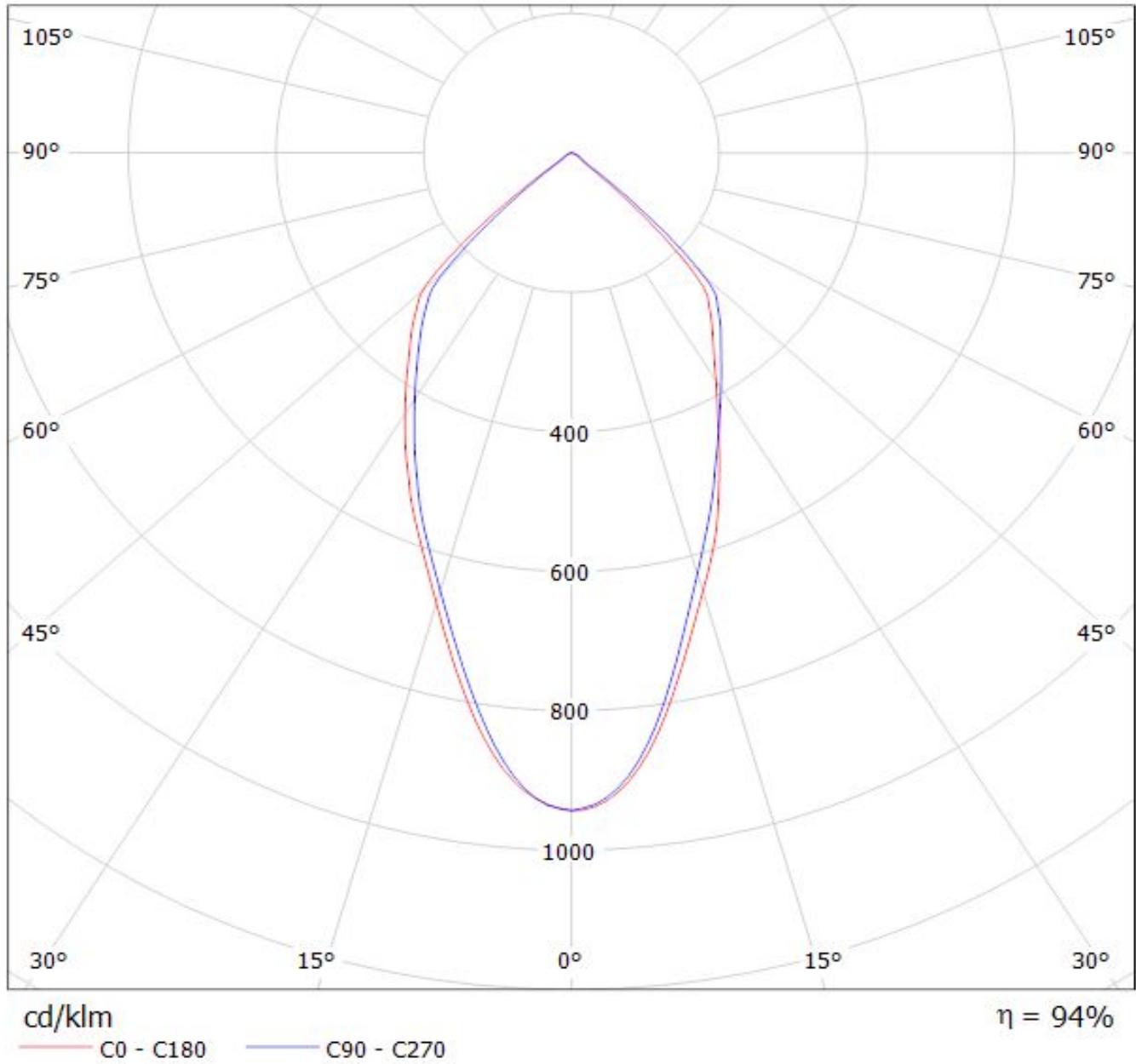
— C0 - C180

— C90 - C270

$\eta = 94\%$

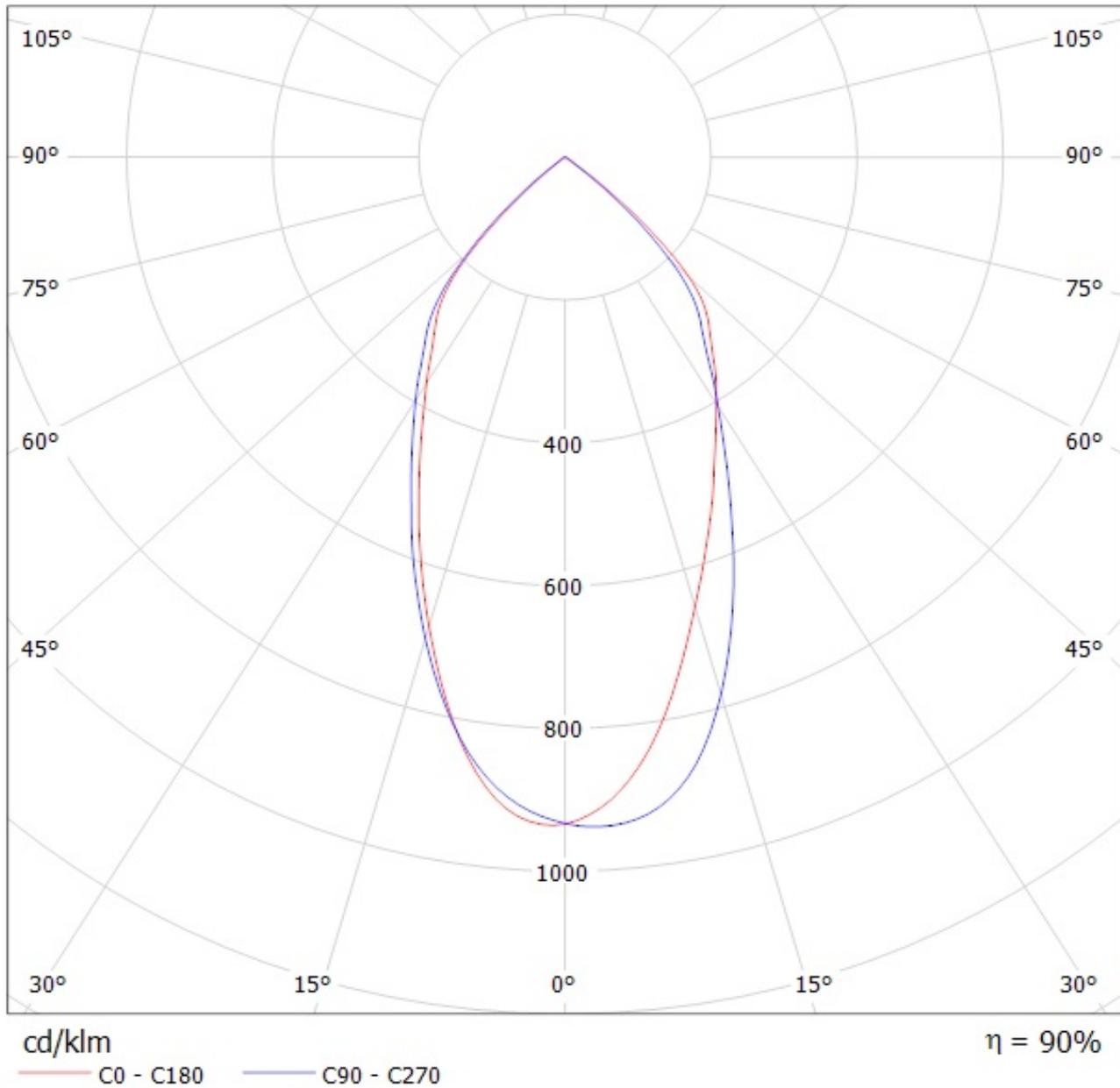
Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(Luxeon\_CoB\_1205)

Lamps: 1 x LUXEON\_COB\_1205\_(LHC1-3080-1205)\_1115lm@250mA\_CCT=3000K\_P=11.183W\_I=249.8mA



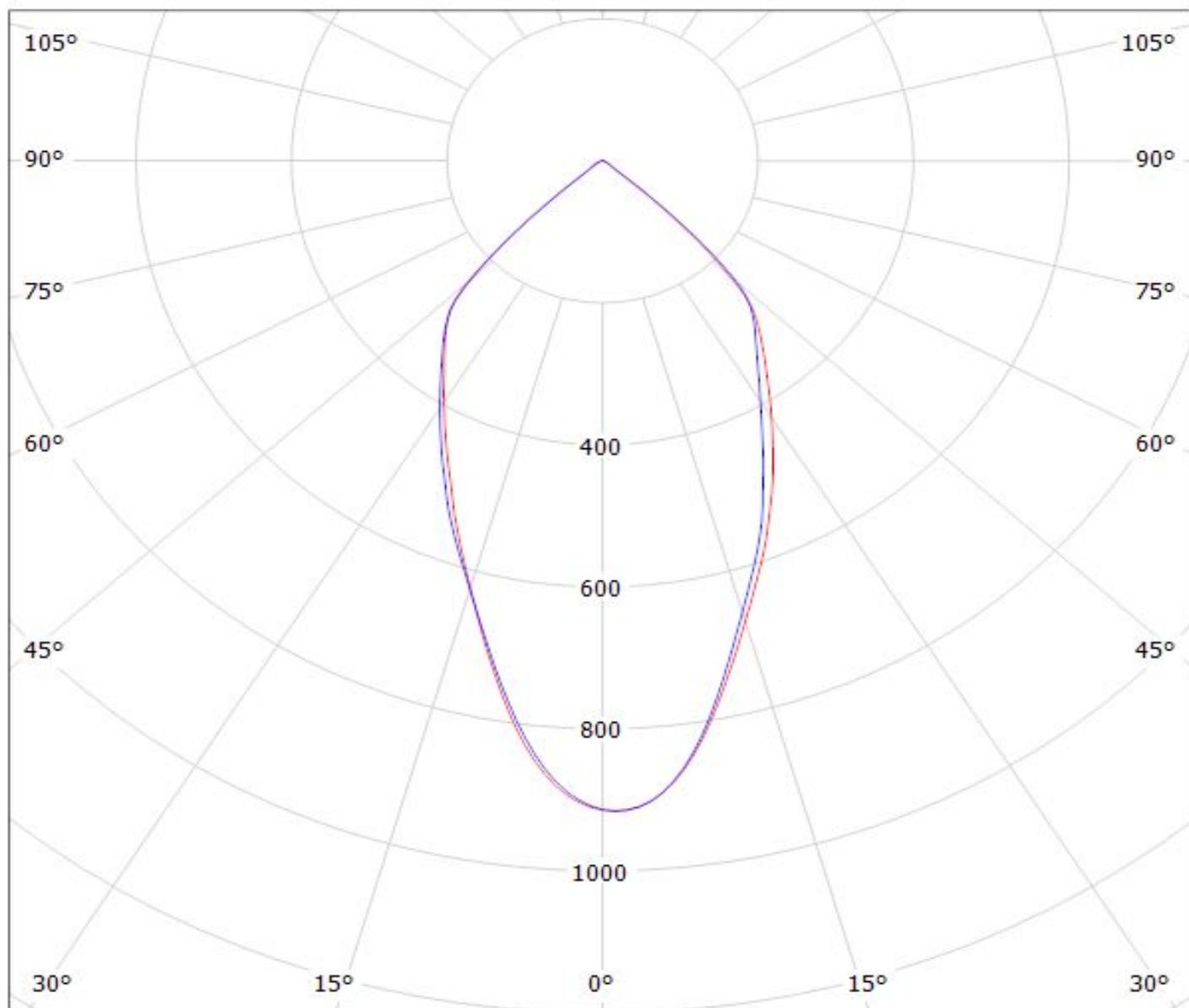
Luminaire: LEDiL Oy C13661\_ANGELINA-W-B\_(Soleriq-E30) Eff: 90%

Lamps: 1 x Osram Soleriq E30 (QW KAJRB2.EM-TPTR-50H4) 1358.6lm@250mA\_P=10.2338W\_I=0.2498mA



Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(ZC12)

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



cd/klm

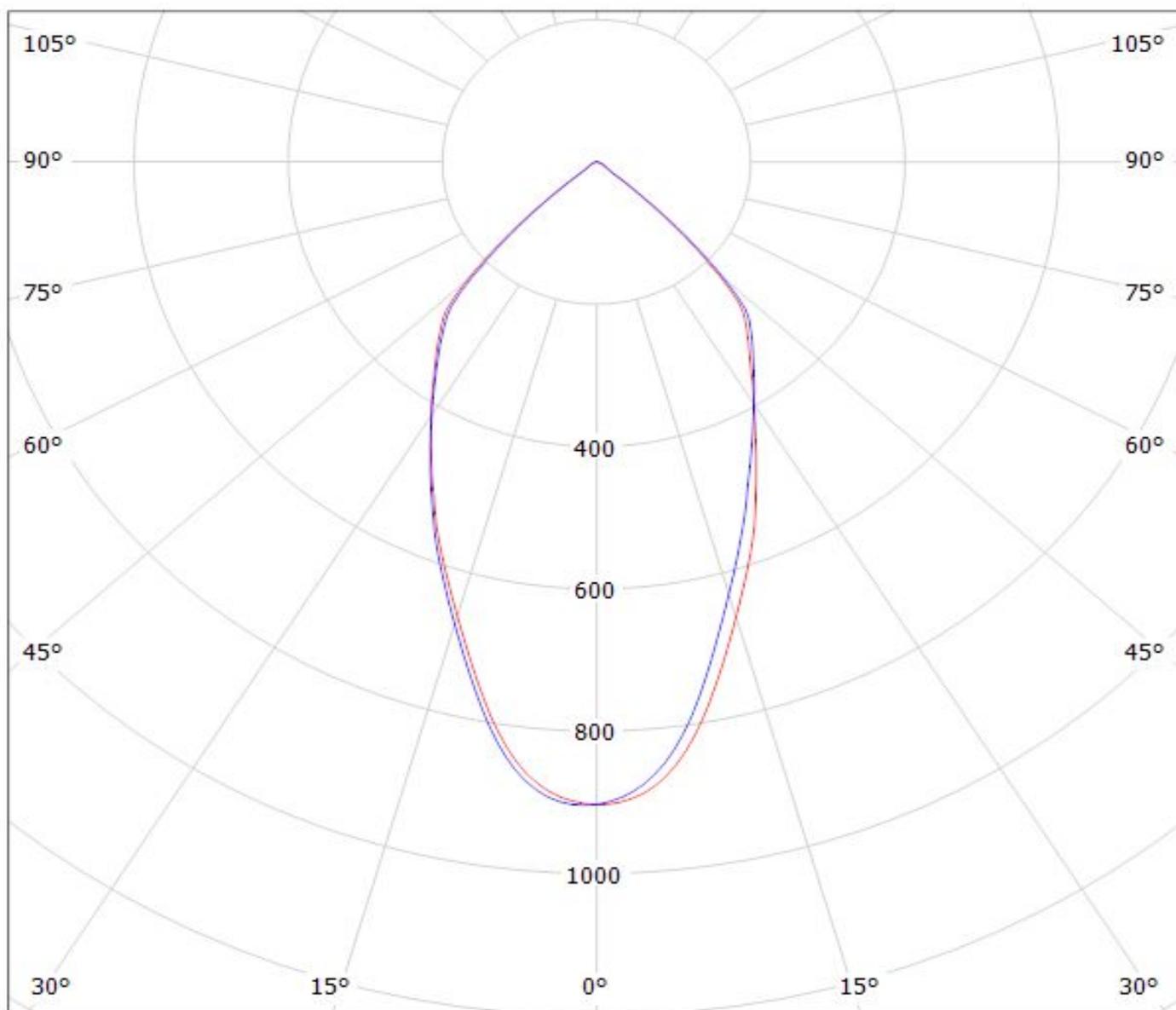
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(S19) Eff.93.0%

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



cd/klm

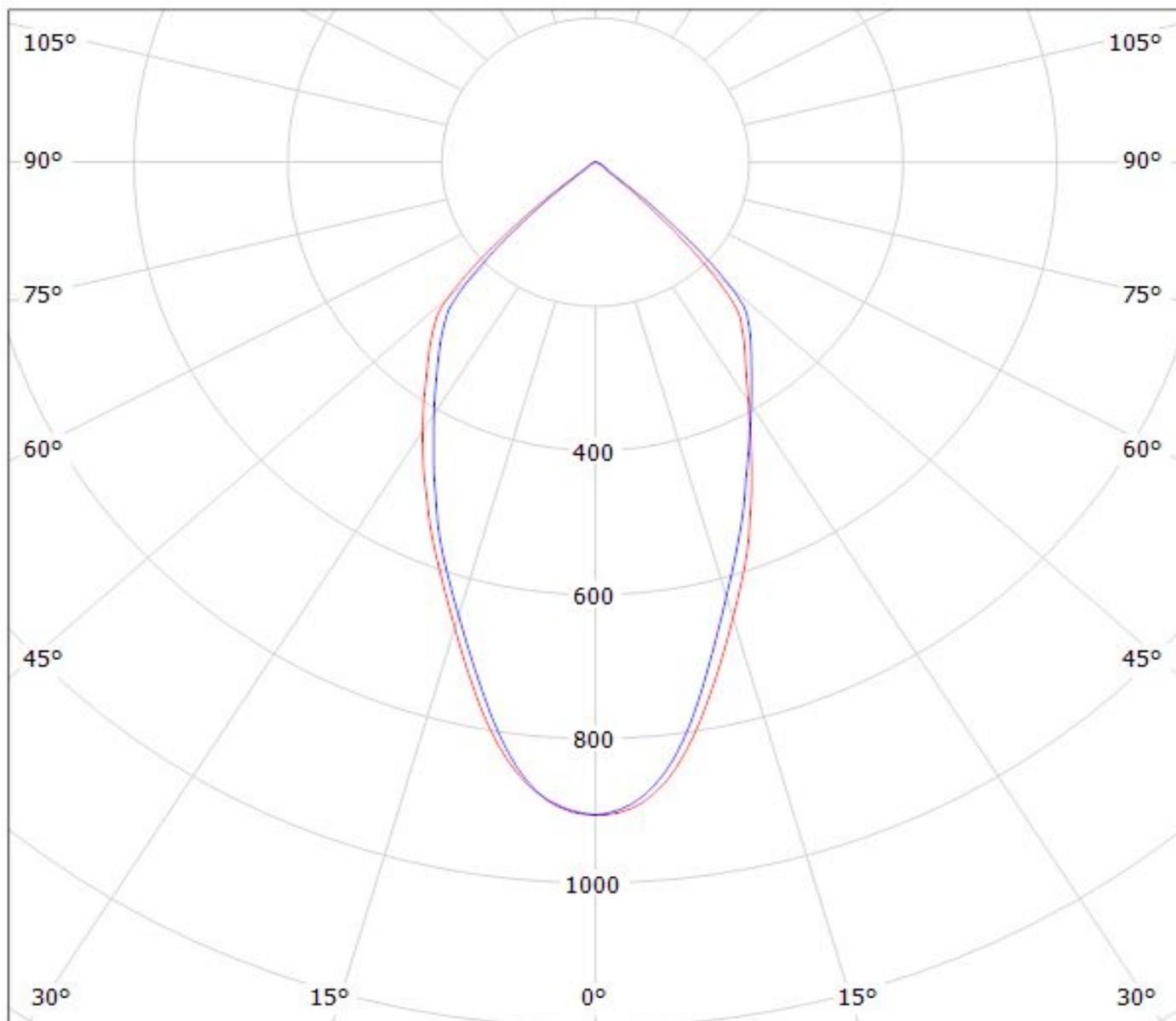
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(Luxeon\_CoB\_1208)

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



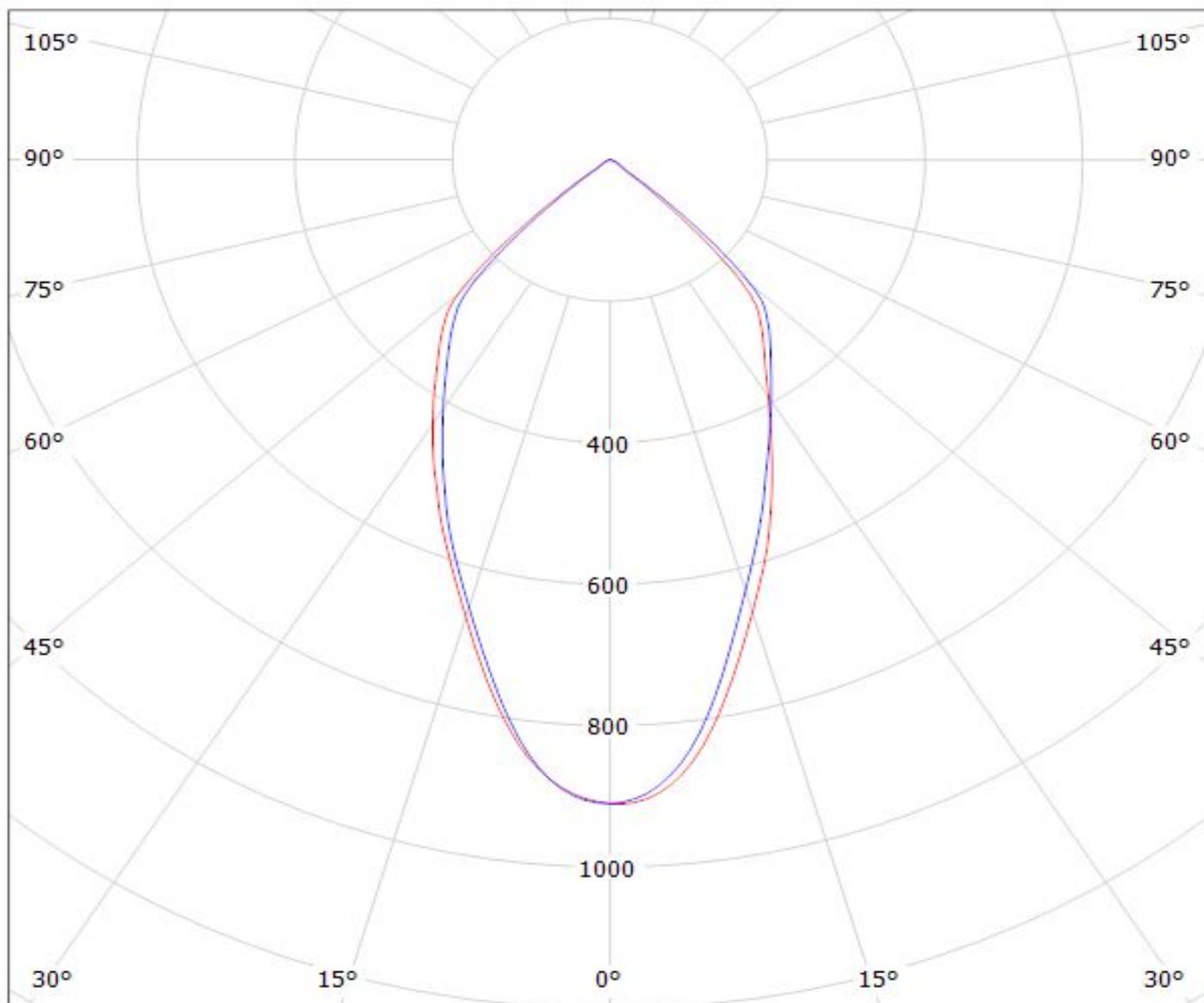
cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(MegaZenigata\_GW6)  
Lamps: 1 x Sharp\_MegaZenigata\_GW6\_(GW6DME30NFC)  
\_1266.19lm@250mA\_CCT=3038K\_P=11.2151W\_I=250.6mA



cd/klm

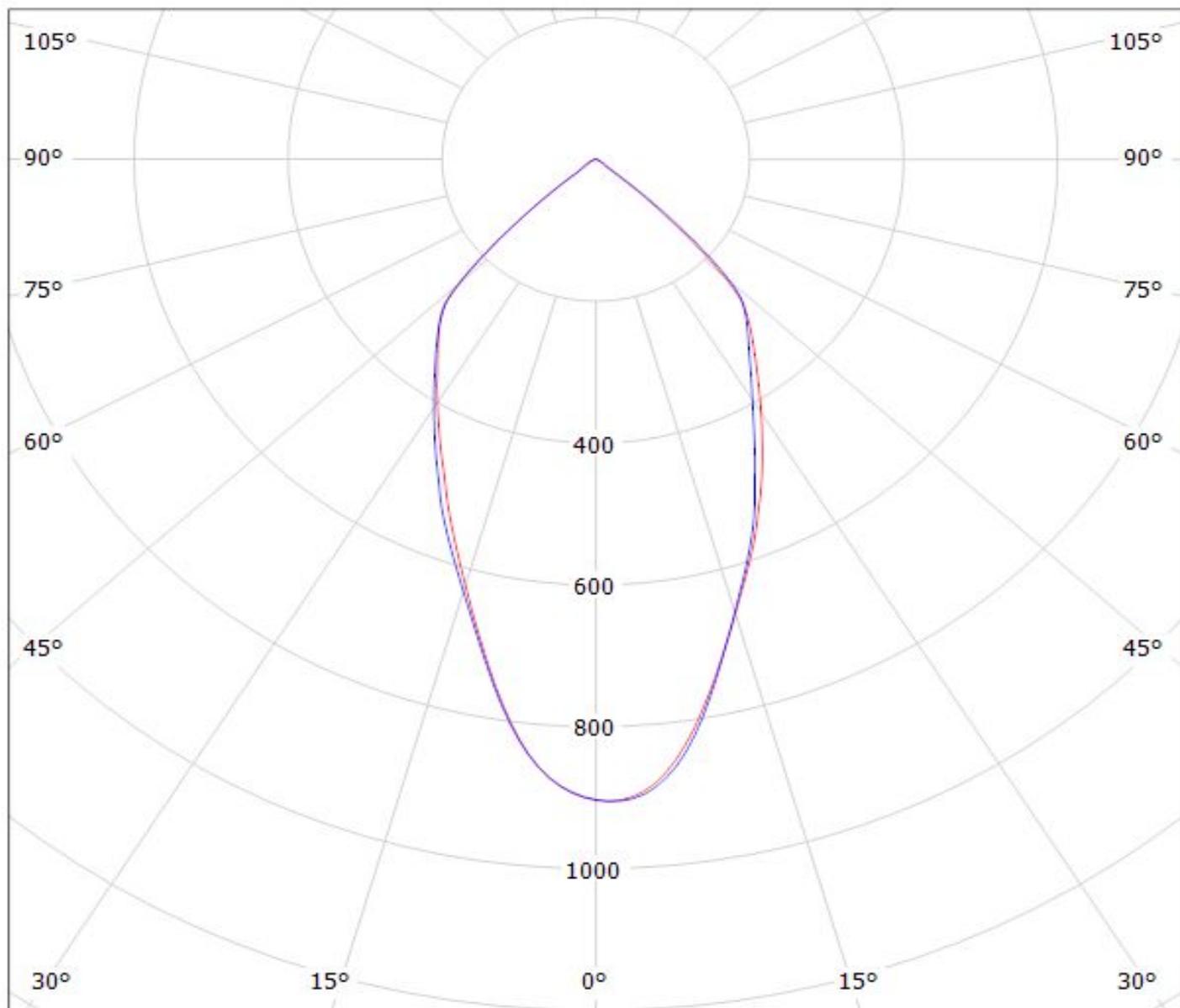
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CLU034)

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

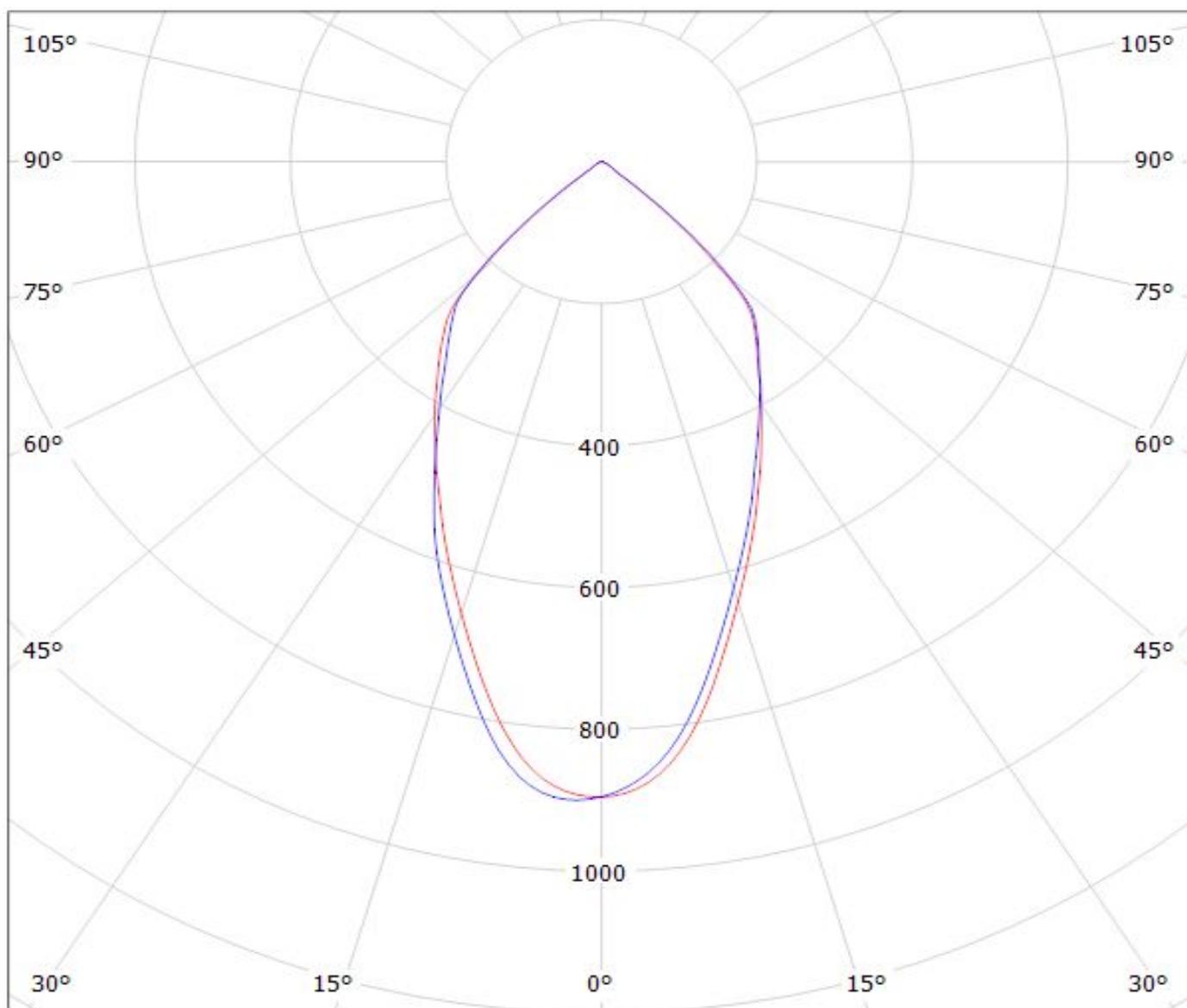


cd/klm

— C0 - C180    — C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(Soleriq S19) Eff.90.0%  
Lamps: 1 x OSRAM\_SOLERIQ\_S19\_(GW\_KAHJB1.EM)  
\_1445.44lm@250mA\_CCT=3000K\_P=10.558W\_I=249.8mA

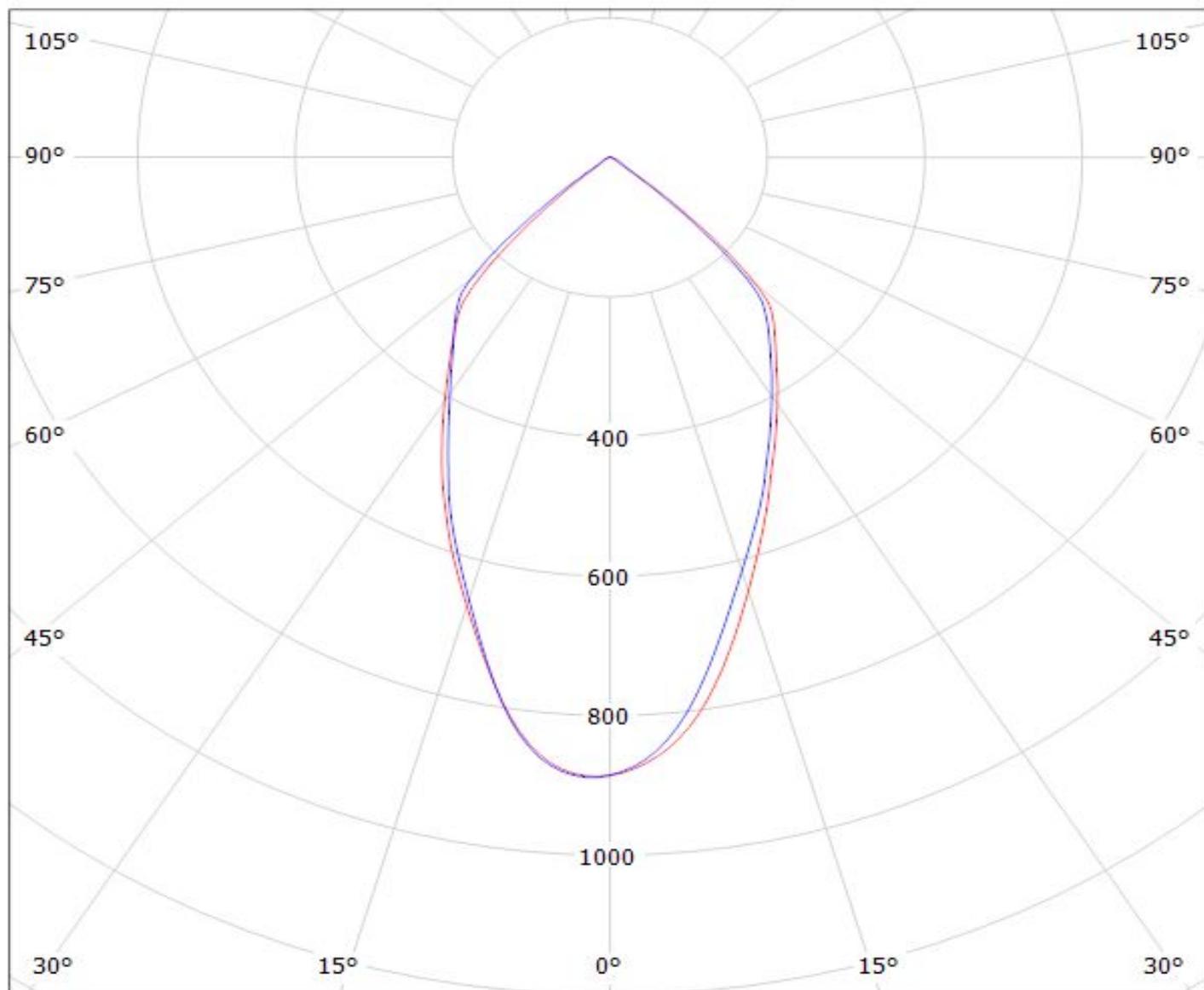


cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-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

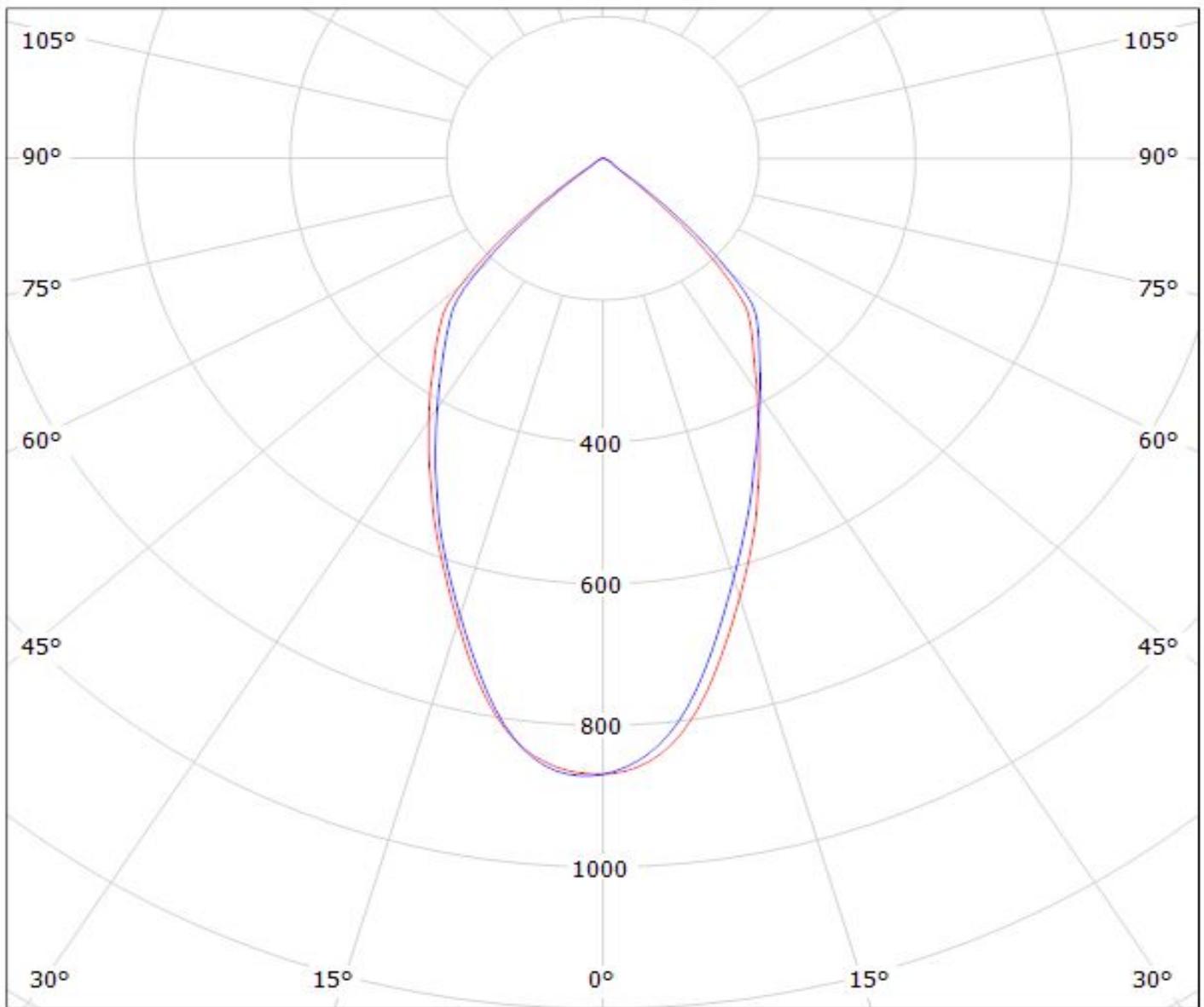


cd/klm

— C0 - C180    — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CXA2590)  
Lamps: 1 x CREE\_CXA2590\_(CXA2590-30F-Z4-RPH-00001)  
\_837.275lm@100mA\_CCT=3000K\_P=6.36316W\_I=100.1mA

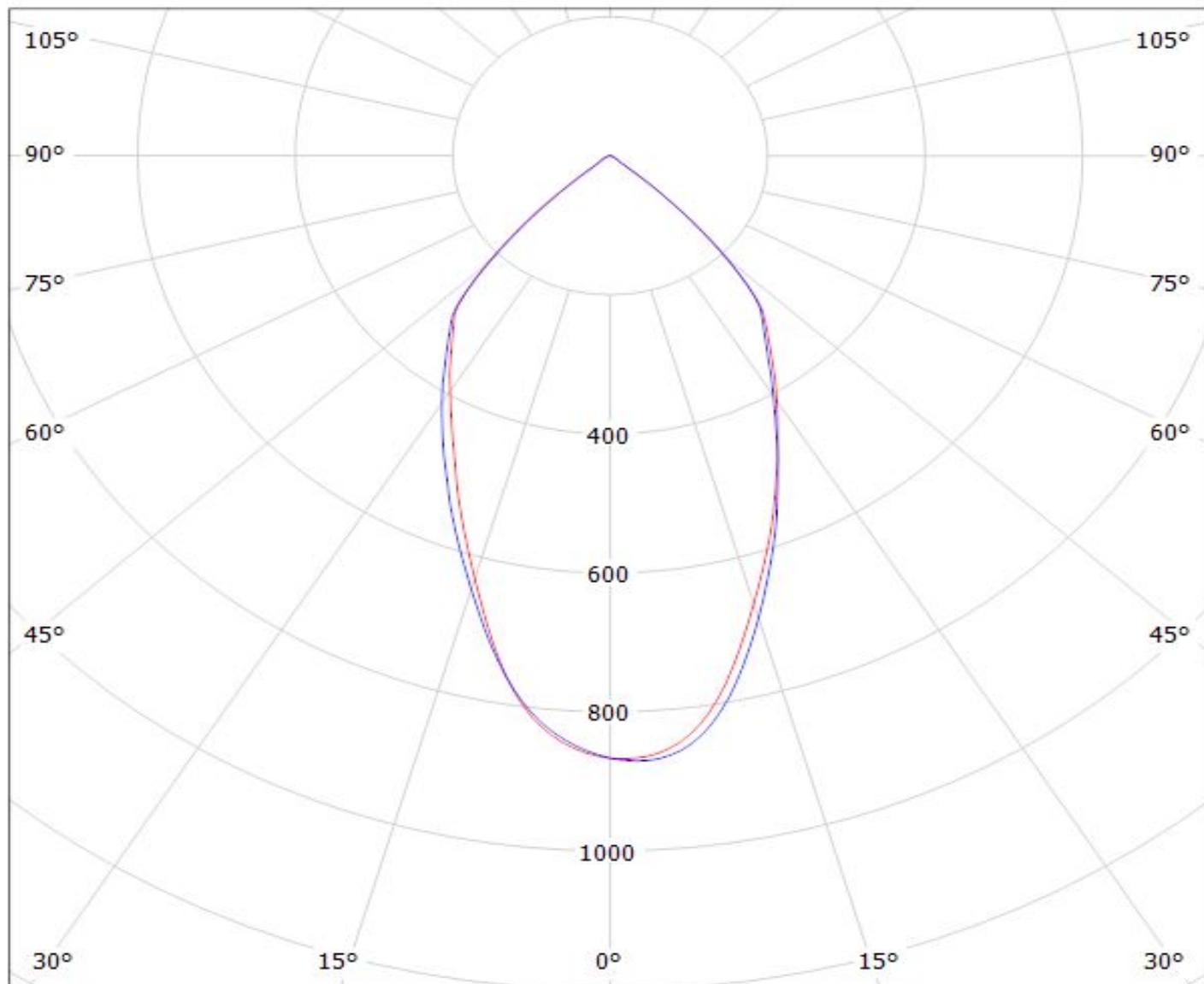


cd/klm

$\eta = 93\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(Luxeon\_CoB\_1211)  
Lamps: 1 x LUXEON\_COB\_1211\_(LHC1-2790-1211)  
\_923.583lm@250mA\_CCT=2700K\_P=8.00909W\_I=249.8mA



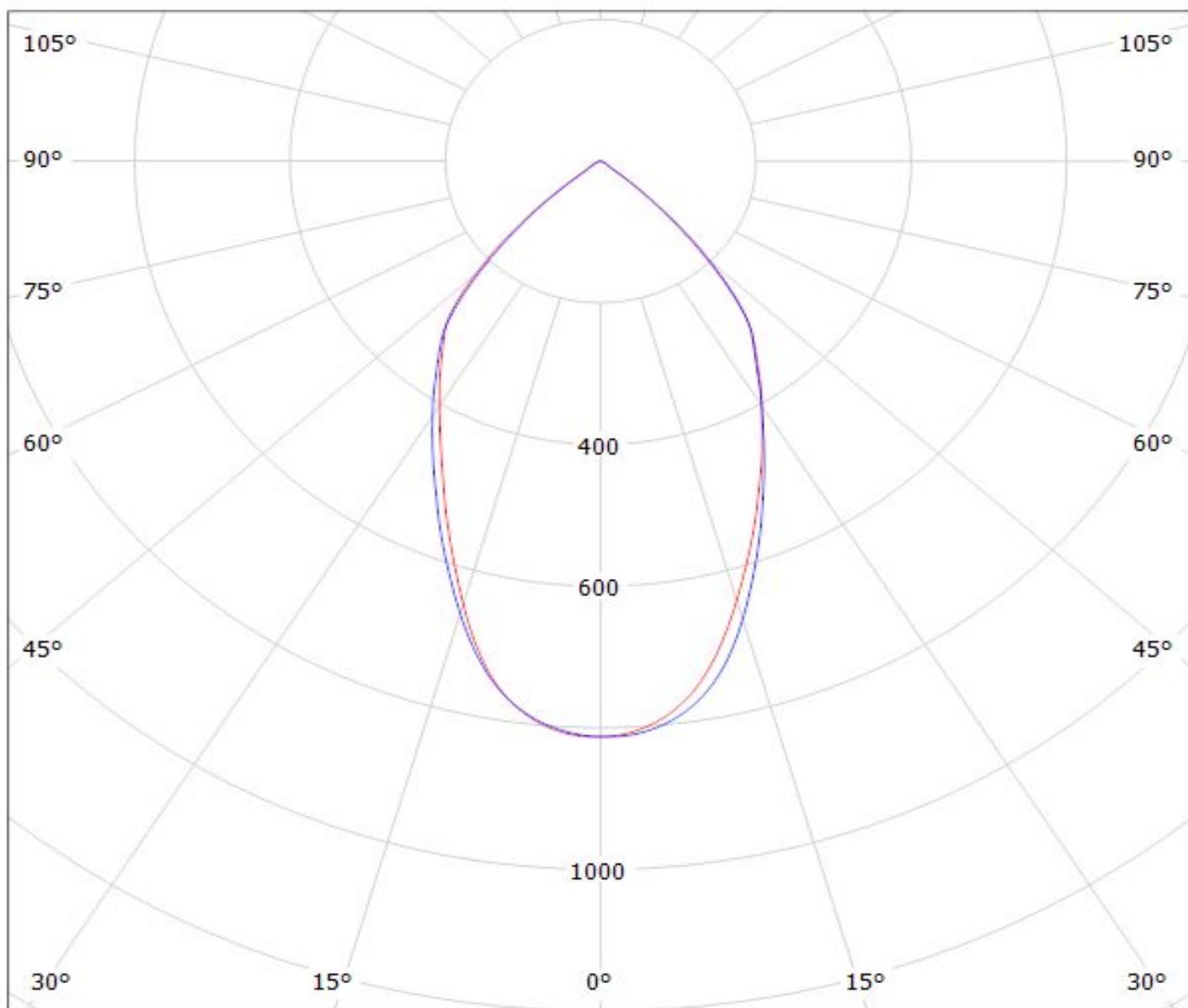
cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(COB\_40W)

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



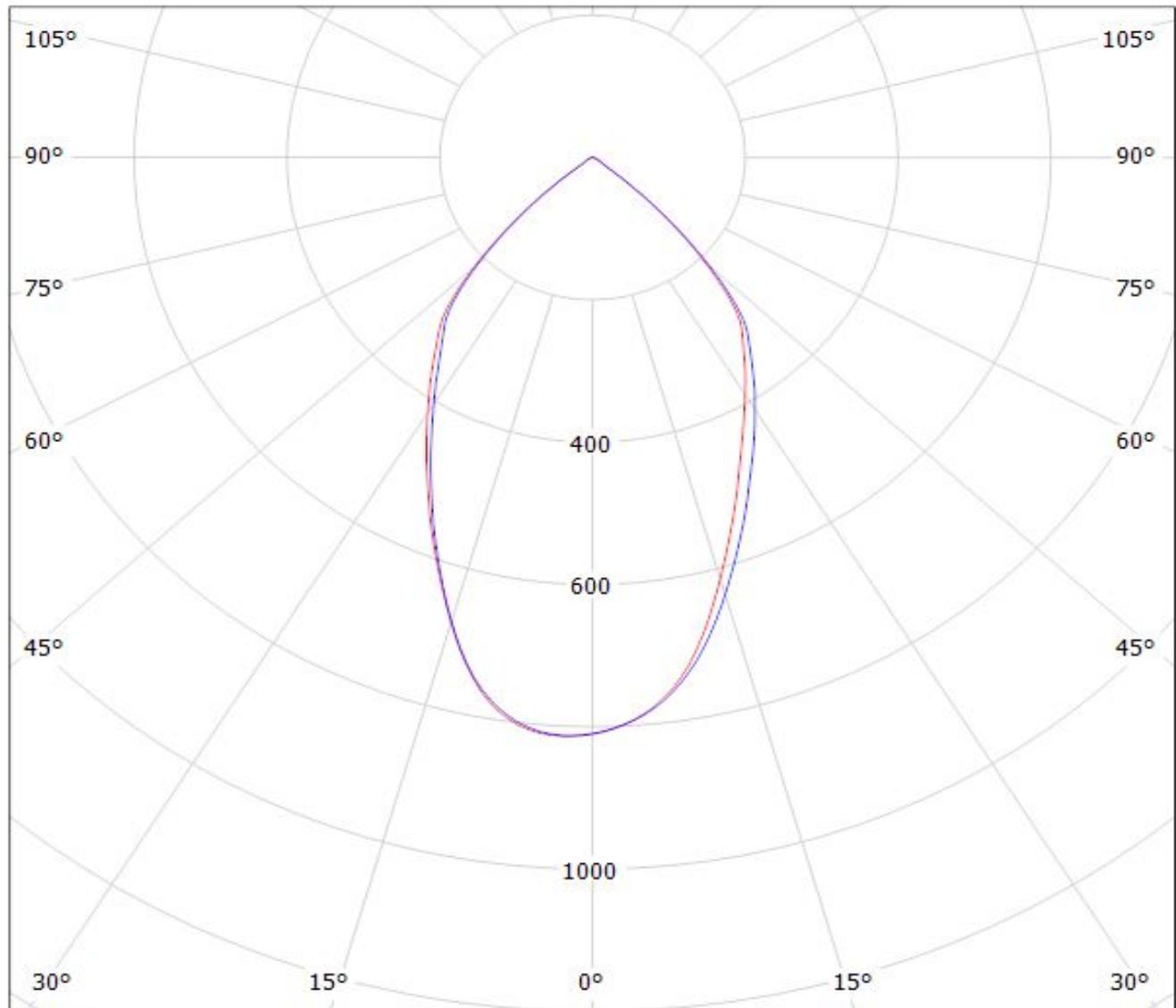
cd/klm

— C0 - C180    — C90 - C270

$\eta = 91\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CLU044)

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



cd/klm

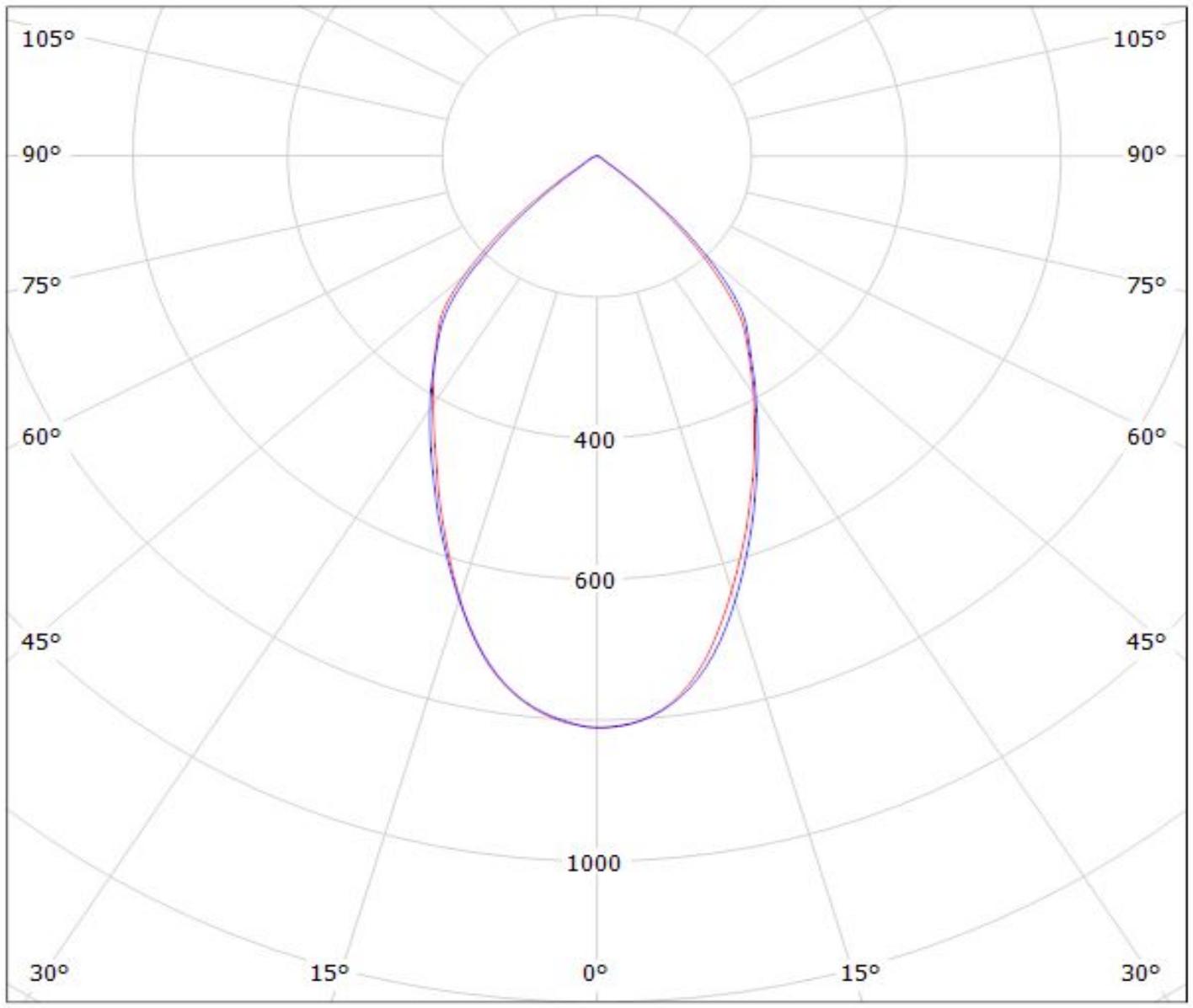
— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(ZC40)

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



cd/klm

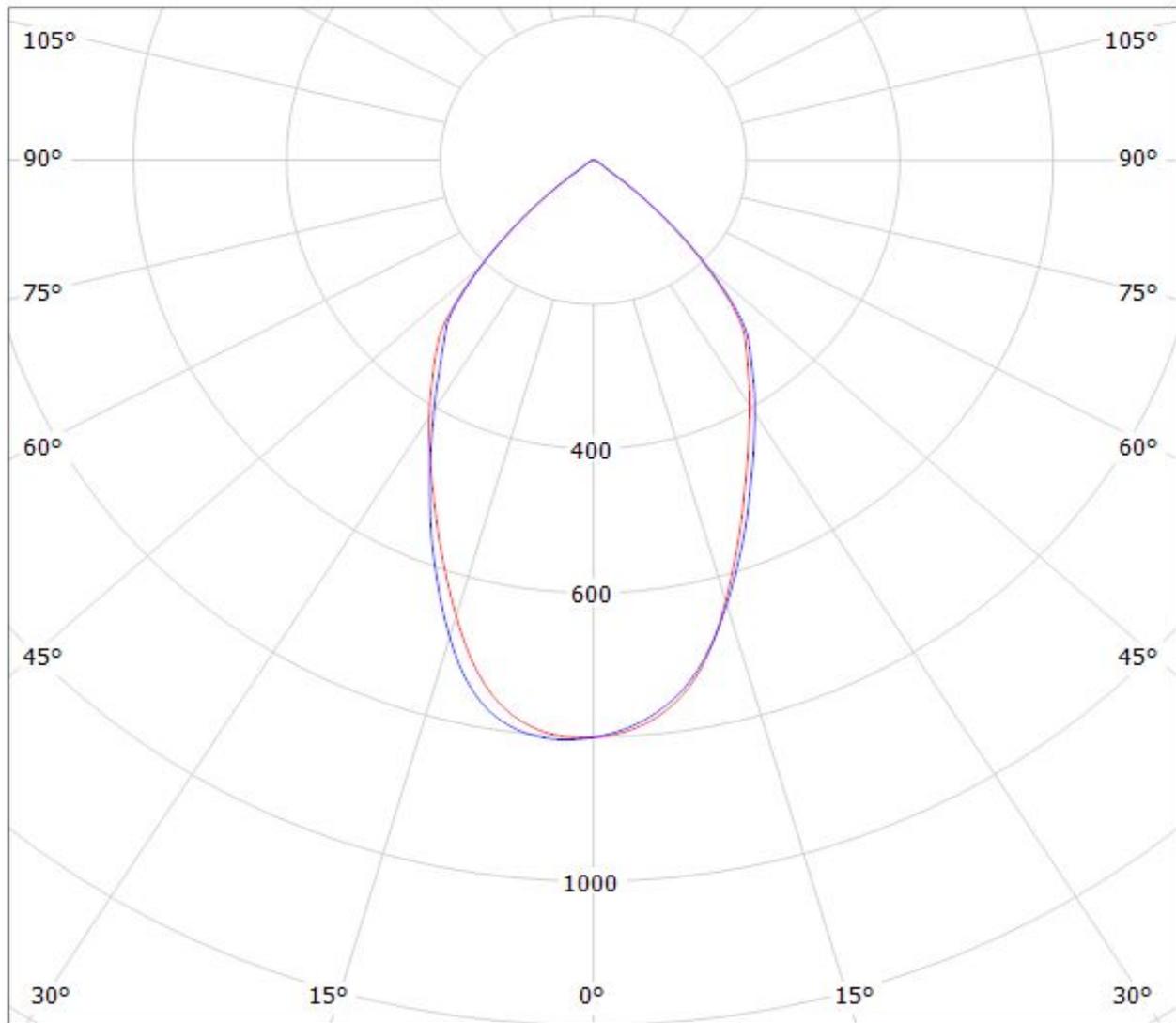
— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-B\_(CXM-22) Eff.91.6%

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



cd/klm

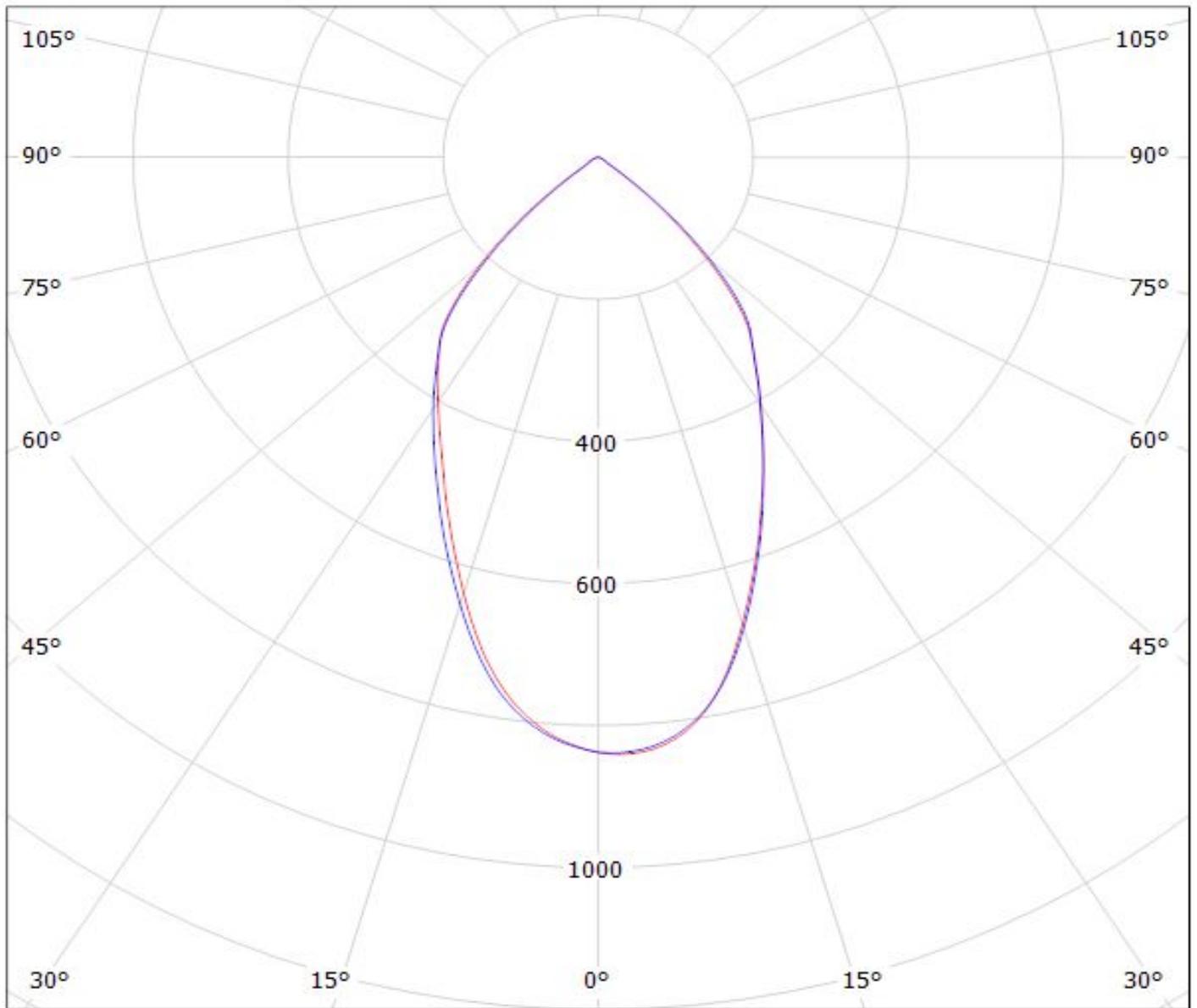
— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy F13661\_ANGELINA-W-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

$\eta = 91\%$

**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.