

DETAILS

Product Number	F13662_ANGELA-S-B
Family	ANGELA
Type	Reflector
Color	metal
Diameter	119.5 mm
Height	74.5 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	
Status	ready
ROHS Compliant	Yes
Date Updated	13/06/2014



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	connector
Soleriq S13	8 degrees		94 %	21.570	8502/G2 A.A.G. STUCCHI
BXRA ES Rectangle	8 degrees		94 %	20.740	Solderless Connector 47.319.2040 BJB
COB 10W/13W/17W/24W	8 degrees		94 %	16.200	Solderless Connector 47.319.2080 BJB
LUXEON CoB 1204/1205	9 degrees		93 %	19.200	8301/G2 A.A.G. STUCCHI
COB 10W/13W/17W/24W	9 degrees		93 %	19.240	8600/G2 A.A.G. STUCCHI
ZC12/18	9 degrees		93 %	18.400	8101/G2 A.A.G. STUCCHI
CXM-14	9 degrees		93 %	16.300	Solderless Connector 47.319.2020 BJB
LUXEON K12	9 degrees		94 %	17.300	Solderless Connector 47.319.2070 BJB
CLL03x/CLU034	9 degrees		94 %	18.300	Solderless Connector 47.319.2020 BJB
Mega Zenigata (GW6DME)	10 degrees		94 %	15.500	8301/G2 A.A.G. STUCCHI
CLL03x/CLU034	10 degrees		93 %	15.400	8101/G2 A.A.G. STUCCHI
STARK SLE PURE G3 LES17	10 degrees		93 %	14.500	8101/G2 A.A.G. STUCCHI
Mega Zenigata (GW6DME)	10 degrees		94 %	16.100	Solderless Connector 47.319.2010 BJB
LUXEON CoB 1208	10 degrees		94 %	14.800	8301/G2 A.A.G. STUCCHI
CXA25xx	11 degrees		92 %	11.590	8401/G2 A.A.G. STUCCHI
LUXEON K16	11 degrees		94 %	13.600	Solderless Connector 47.319.2070 BJB
Soleriq S19	11 degrees		93 %	13.050	Solderless Connector 47.319.2170 BJB
Soleriq E30	12 degrees		91 %	9.400	Solderless Connector



PRODUCT DATASHEET
ANGELA series
last update 13/6/2014

47.319.2090 BJB



PRODUCT DATASHEET
ANGELA series
last update 13/6/2014

LUXEON CoB 1211

13 degrees

91 %

9.500

8102/G2 A.A.G. STUCCHI



PRODUCT DATASHEET
ANGELA series
last update 13/6/2014

ZC25/40

14 degrees

93 %

7.700

Solderless Connector



PRODUCT DATASHEET
ANGELA series
last update 13/6/2014

47.319.2030 BJB



PRODUCT DATASHEET
ANGELA series
last update 13/6/2014

ZC25/40

14 degrees

91 %

7.700

8102/G2 A.A.G. STUCCHI



PRODUCT DATASHEET

ANGELA series

last update 13/6/2014

CXA30	15 degrees	91 %	7.200	8404/G2 A.A.G. STUCCHI
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PRODUCT DATASHEET
ANGELA series
last update 13/6/2014

COB 40W/60W

15 degrees

91 %

6.760

8102/G2 A.A.G. STUCCHI



PRODUCT DATASHEET
ANGELA series
last update 13/6/2014

CLL04x/CLU044

15 degrees

92 %

6.900

8102/G2 A.A.G. STUCCHI



PRODUCT DATASHEET
ANGELA series
last update 13/6/2014

CLL04x/CLU044

15 degrees

92 %

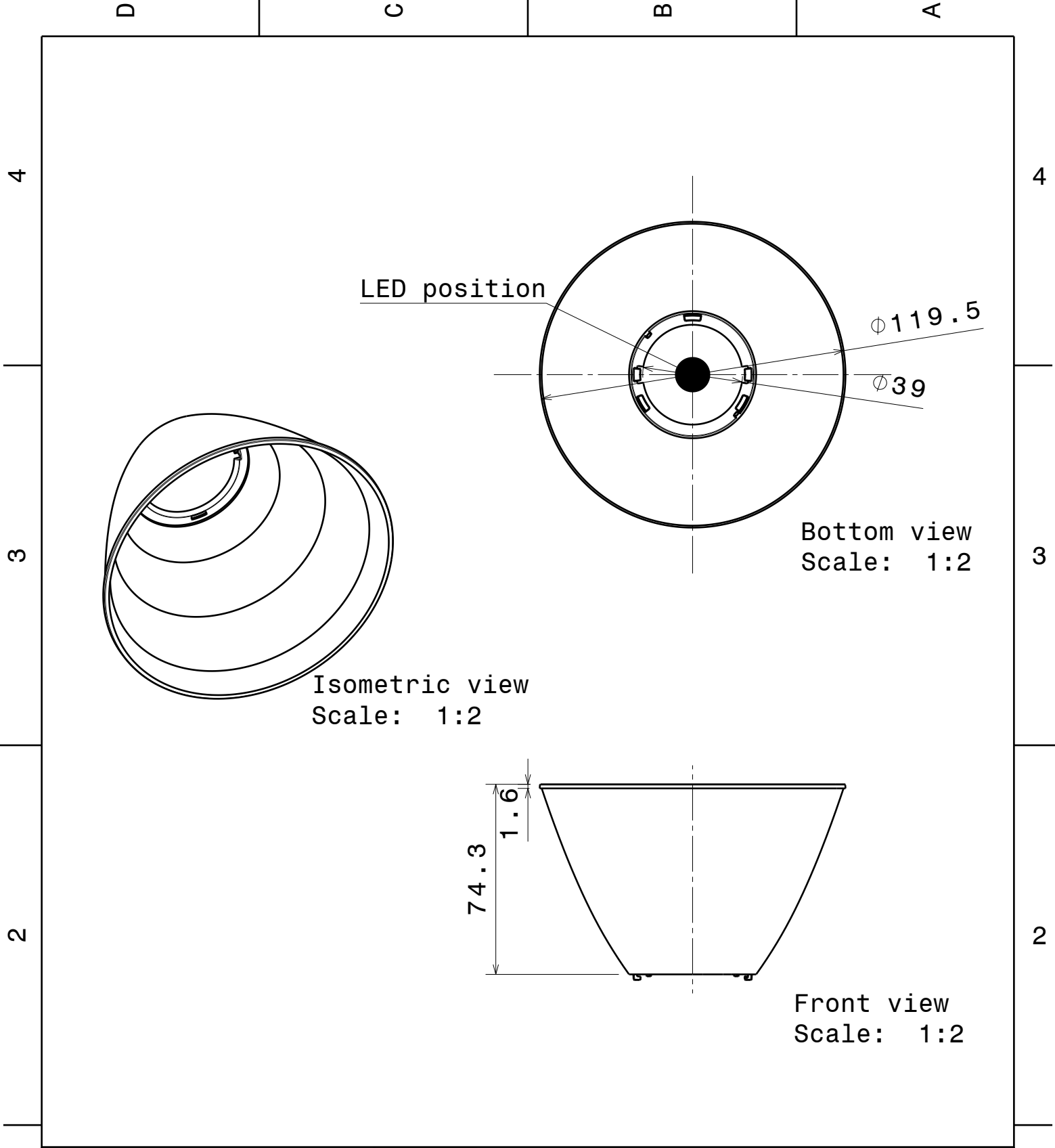
7.300

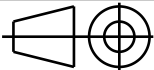
Solderless Connector



PRODUCT DATASHEET
ANGELA series
last update 13/6/2014

47.319.2030 BJB

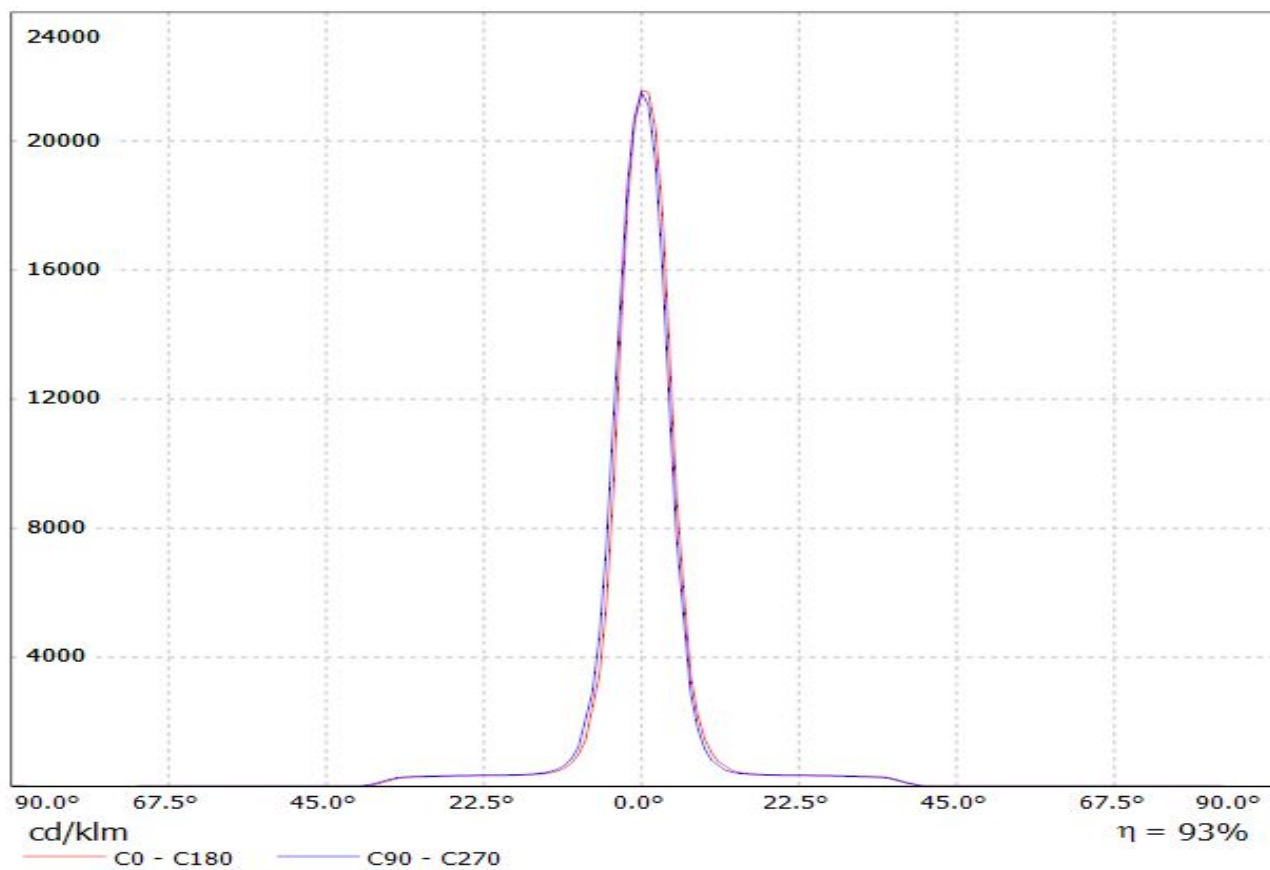


Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L		LEDiL Ledil Oy Salorankatu 10 FIN 24240 SALO Finland			
THIRD ANGLE PROJECTION: 		DRAWING TITLE Angela-B			
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."		SIZE A4	PART NUMBER -		
		SCALE 1:2	WEIGHT -		SHEET 1 / 1

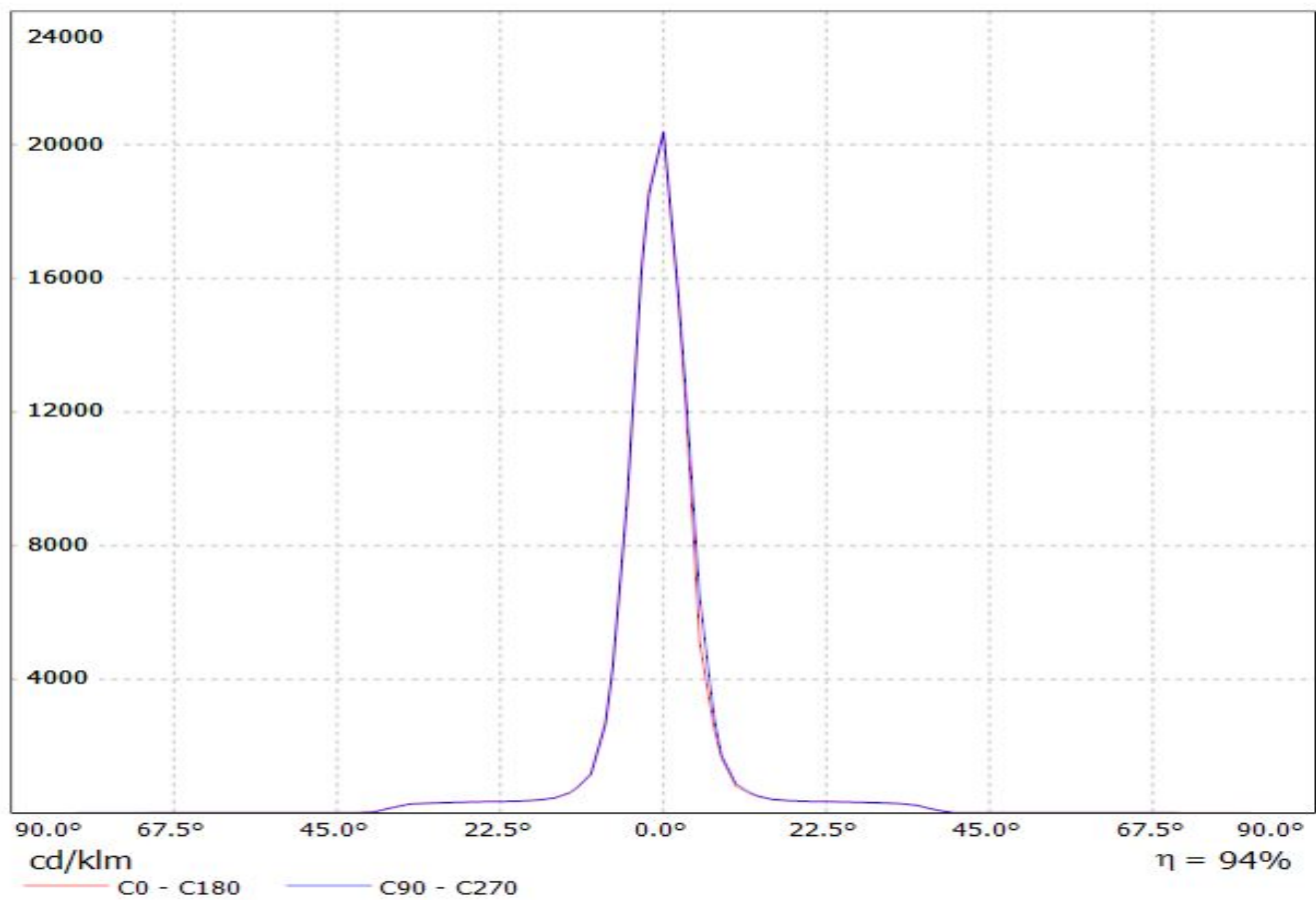
D

A

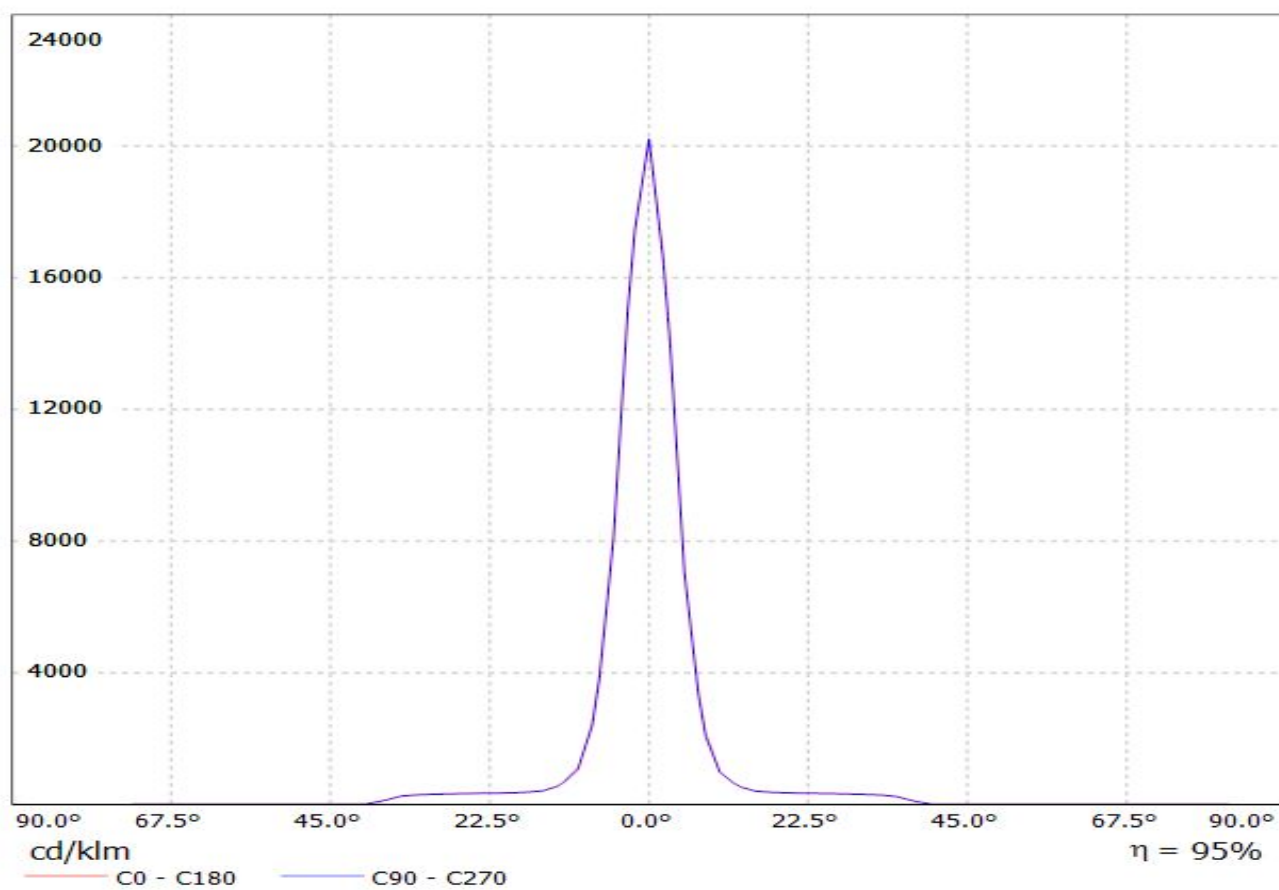
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(S13) Eff.94.0%
Lamps: 1 x Osram_Solericq_S13_901.003lm@250mA_P=7.48151W_I=249.9mA



Luminaire: LEDiL Oy F13662_ANGELA-S-B_(BXRA_ES) Eff.93.7%
Lamps: 1 x Bridgelux_BXRA_ES_287.055lm@250mA_P=4.09486W_I=249.9mA

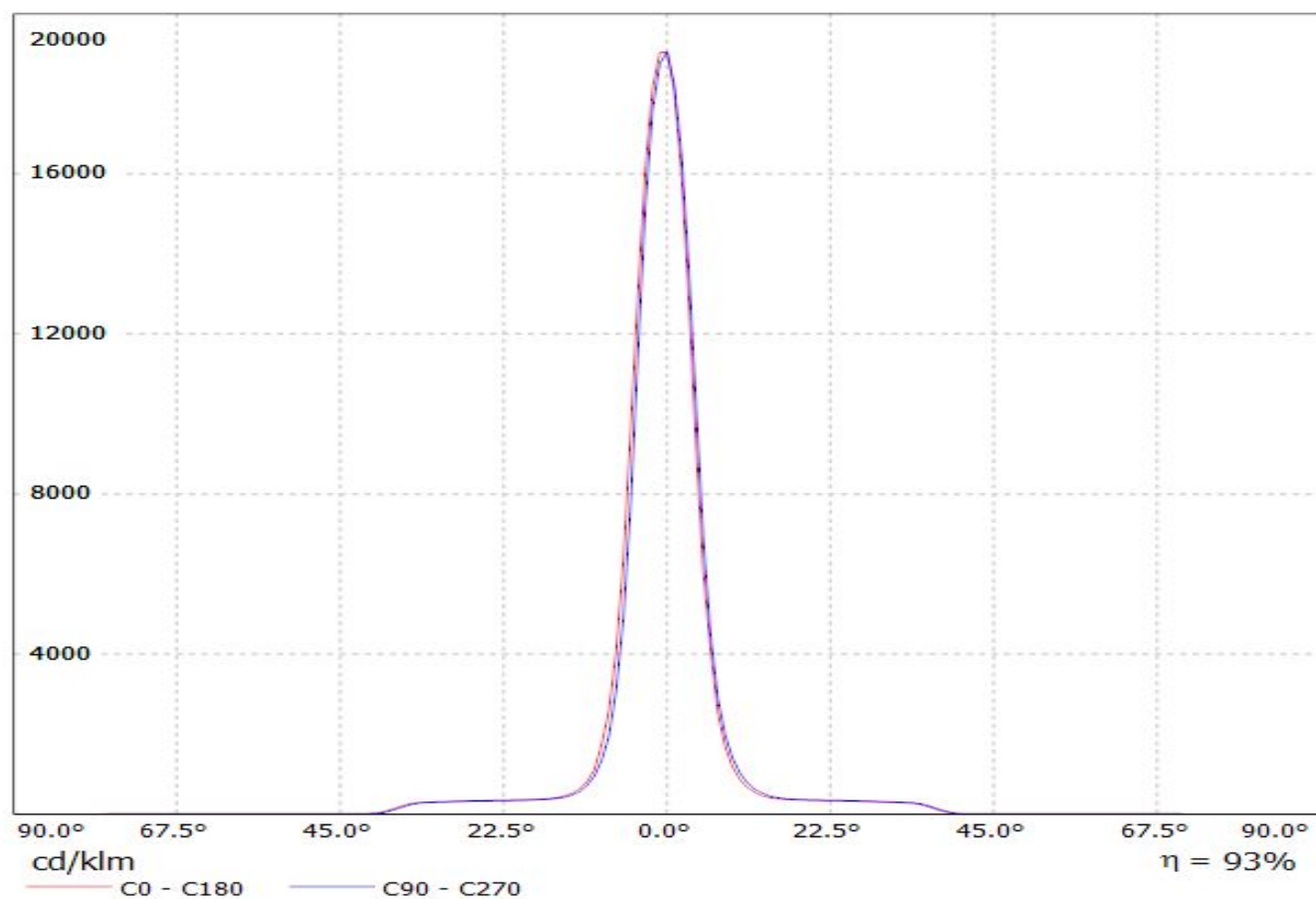


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(COB-10W)
Lamps: 1 x LG_COB-10W_1065.13lm@250mA_P=9.09921W_I=249.8mA

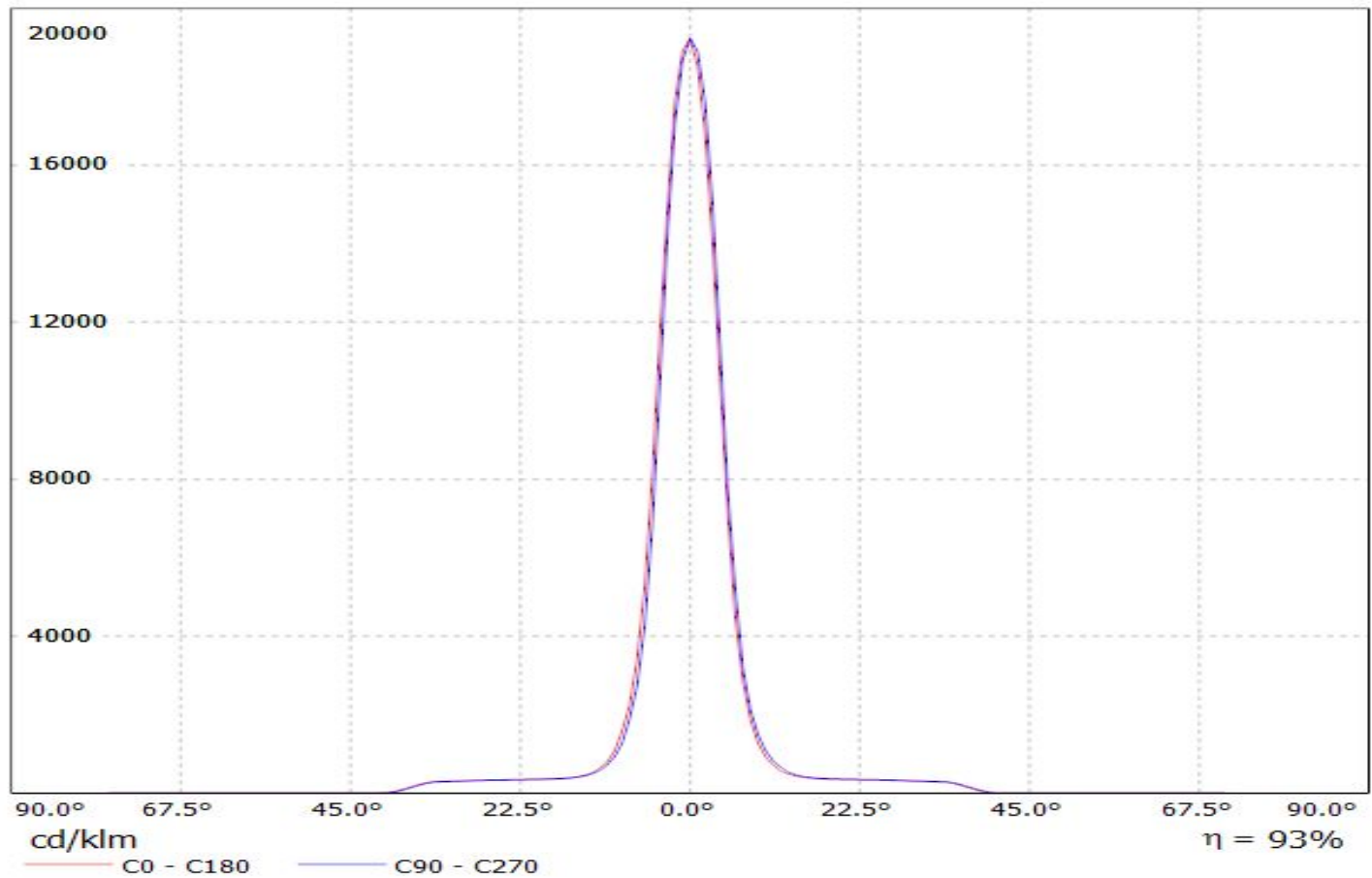


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(Luxeon_CoB_1205)

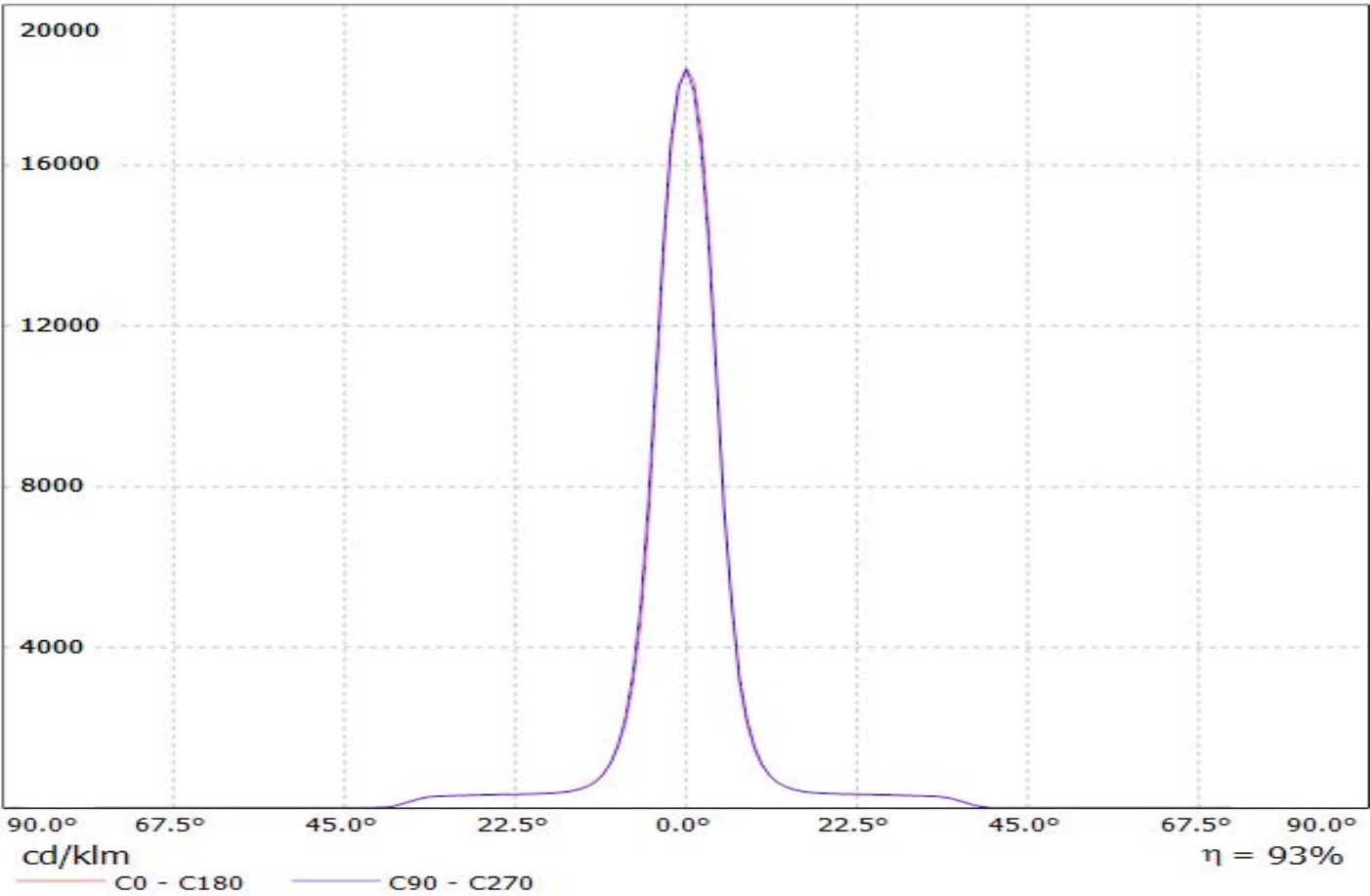
Lamps: 1 x LUXEON_COB_1205_(LHC1-3080-1205)_1115lm@250mA_CCT=3000K_P=11.183W_I=249.8mA



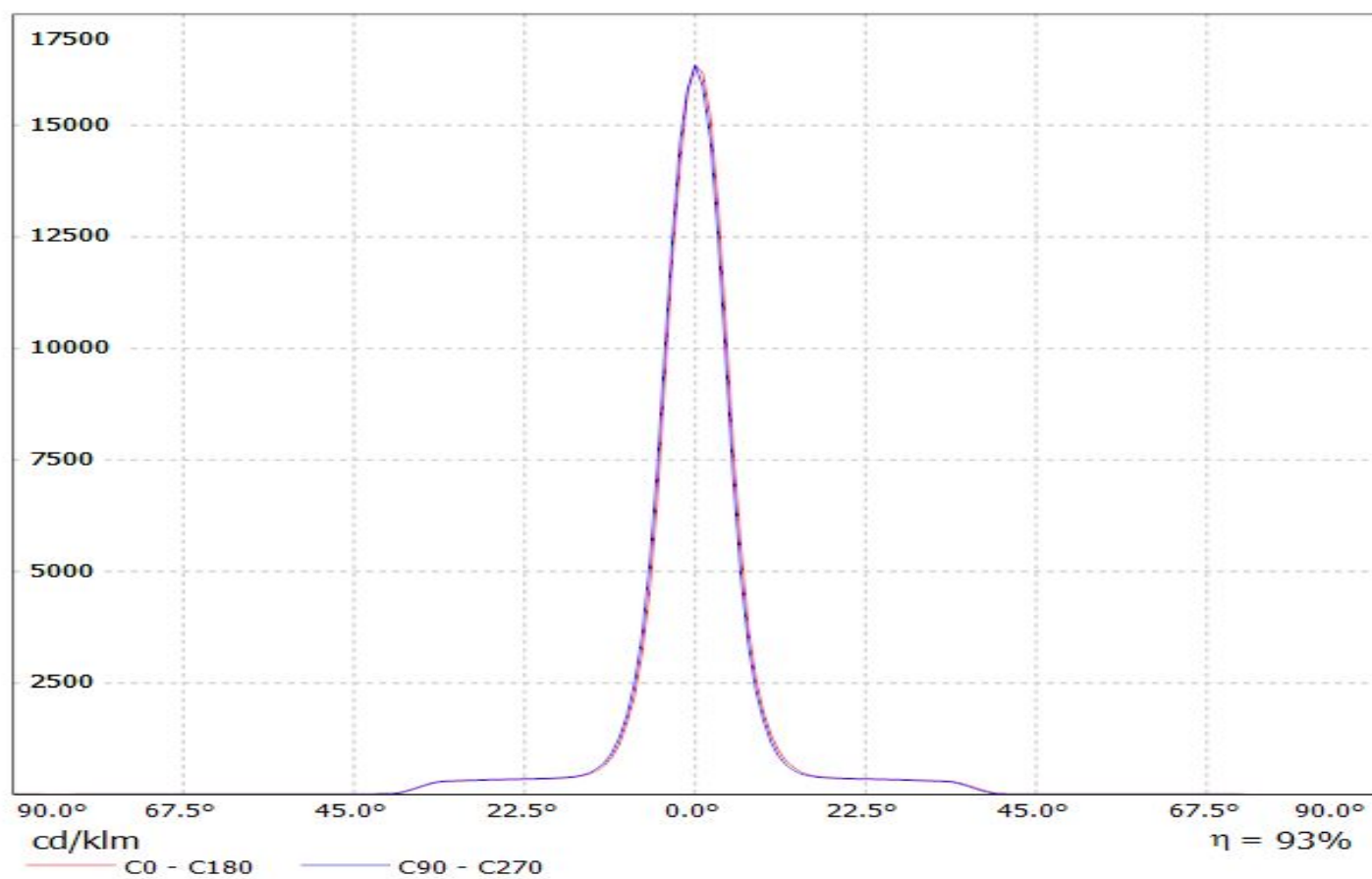
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(LG_COB_10W)
Lamps: 1 x LG_COB_10W_(LEMWM18580LG00)_917.757lm@250mA_P=9.31304W_I=249.8mA



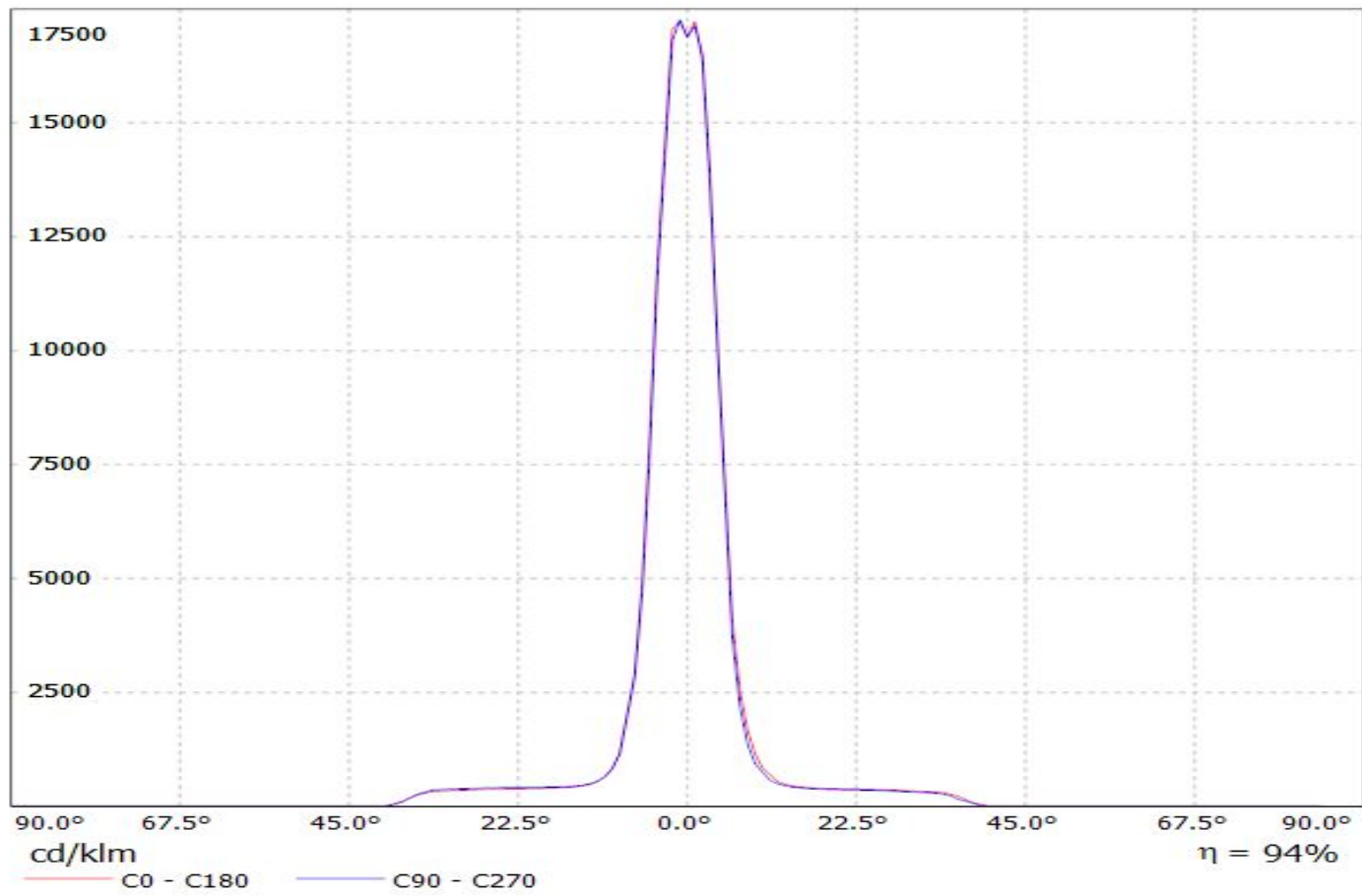
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(ZC12)
Lamps: 1 x SEOUL_ZC12_(SDW82F1C)_1240.73lm@250mA_P=8.68405W_I=249.8mA



Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CXM-14)
Lamps: 1 x LUMINUS_XNOVA_CXM-14_(AC00)
_1049.18lm@250mA_CCT=3126K_P=8.31834W_I=249.8mA

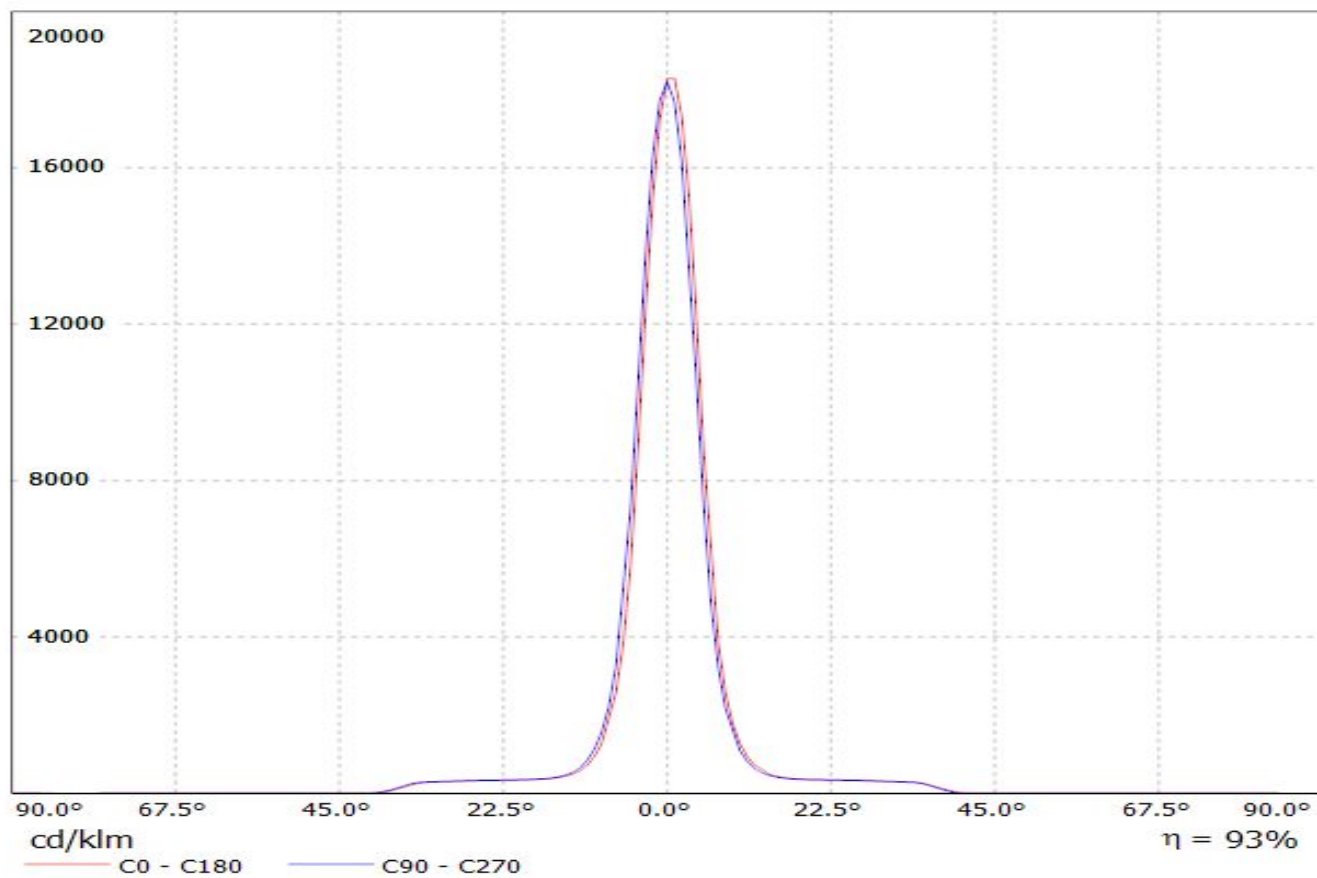


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(K12) Eff.94.0%
Lamps: 1 x Luxeon_K12_922.262lm@250mA_P=8.18947W_I=249.9mA

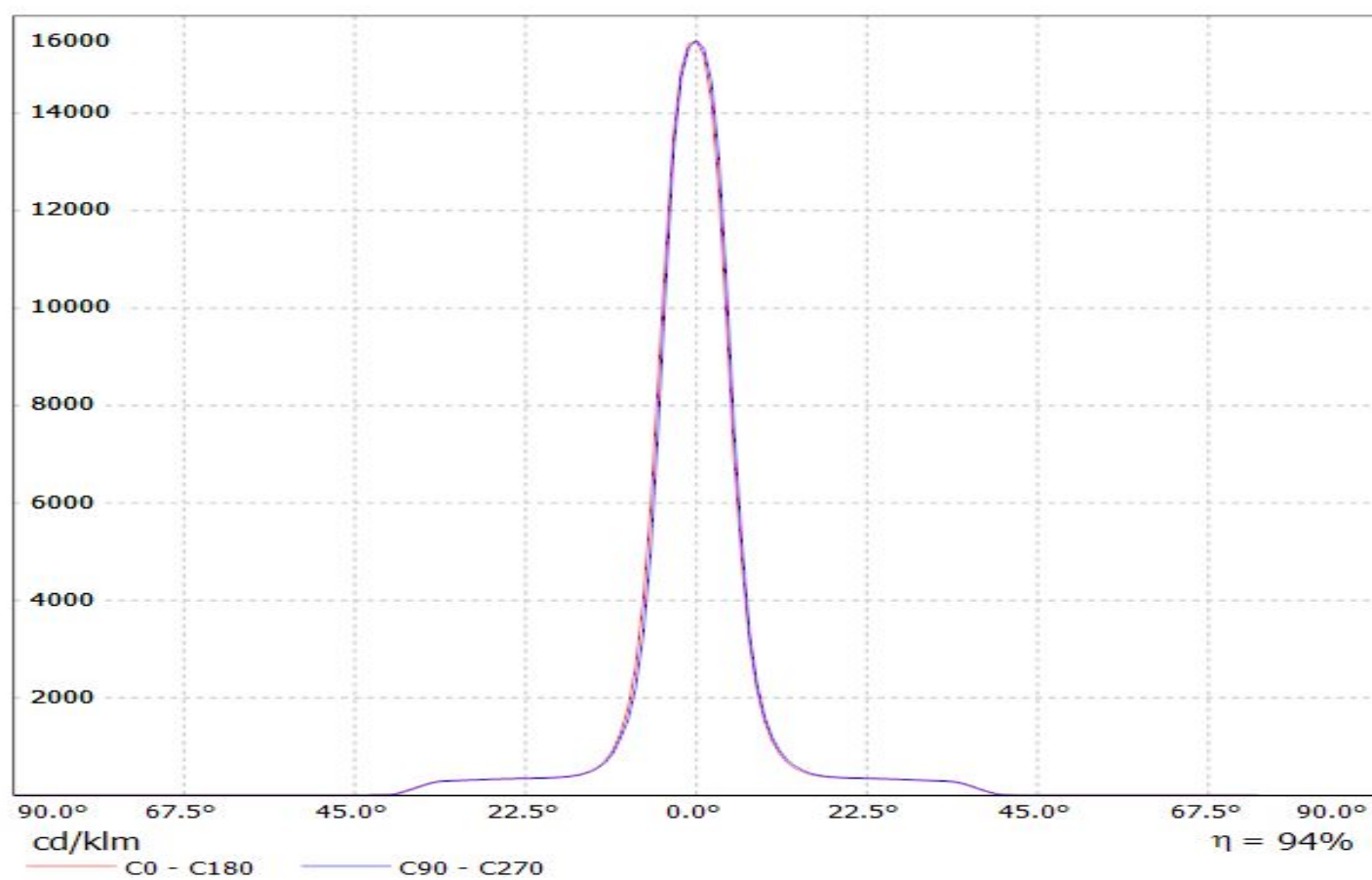


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CLL030)

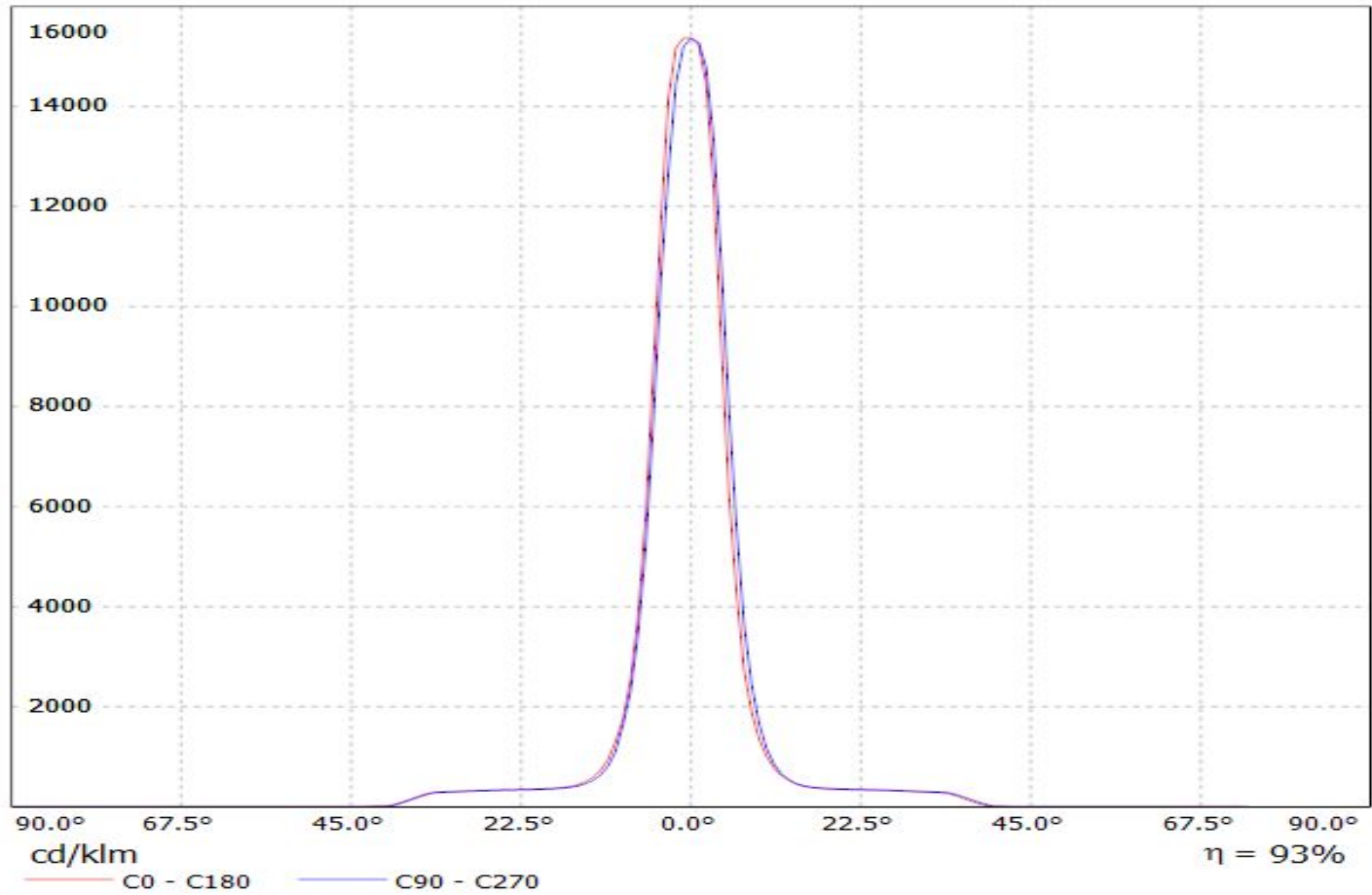
Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1-303M1A2)_1046.22lm@250mA_P=8.46761W_I=249.9mA



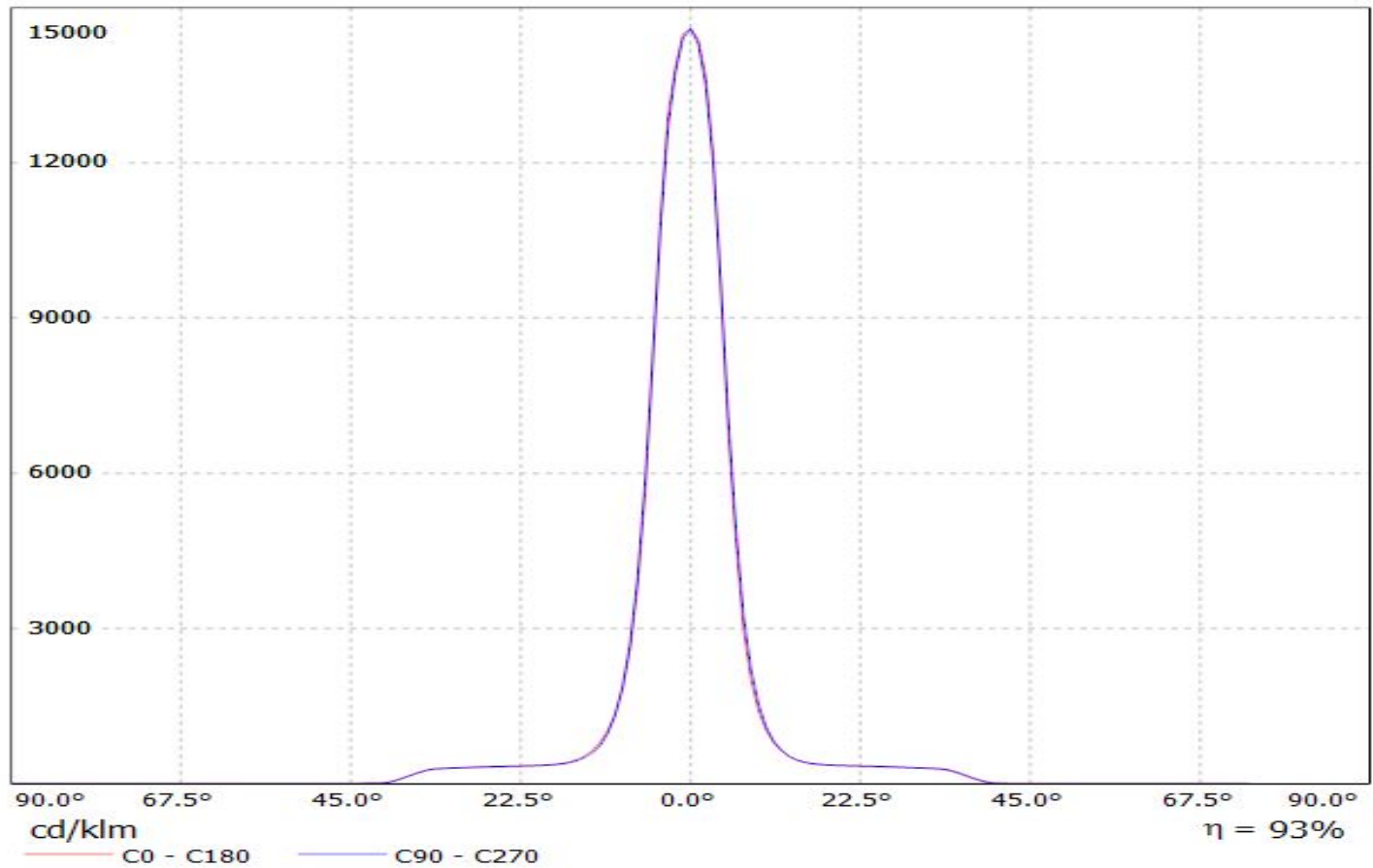
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(MegaZenigata_GW6)
Lamps: 1 x Sharp_MegaZenigata_GW6_(GW6DME30NFC)
_1266.19lm@250mA_CCT=3038K_P=11.2151W_I=250.6mA



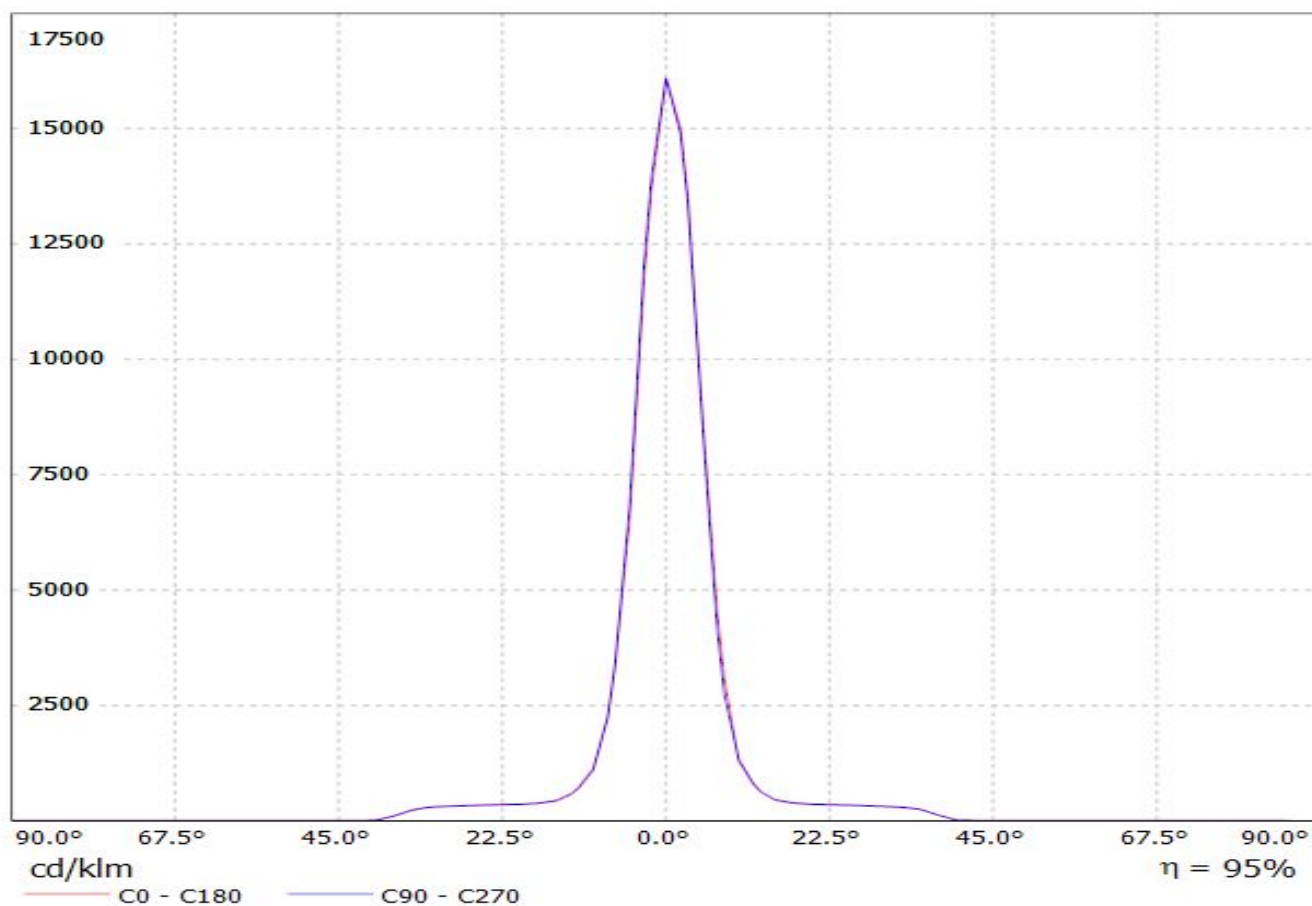
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CLU034)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



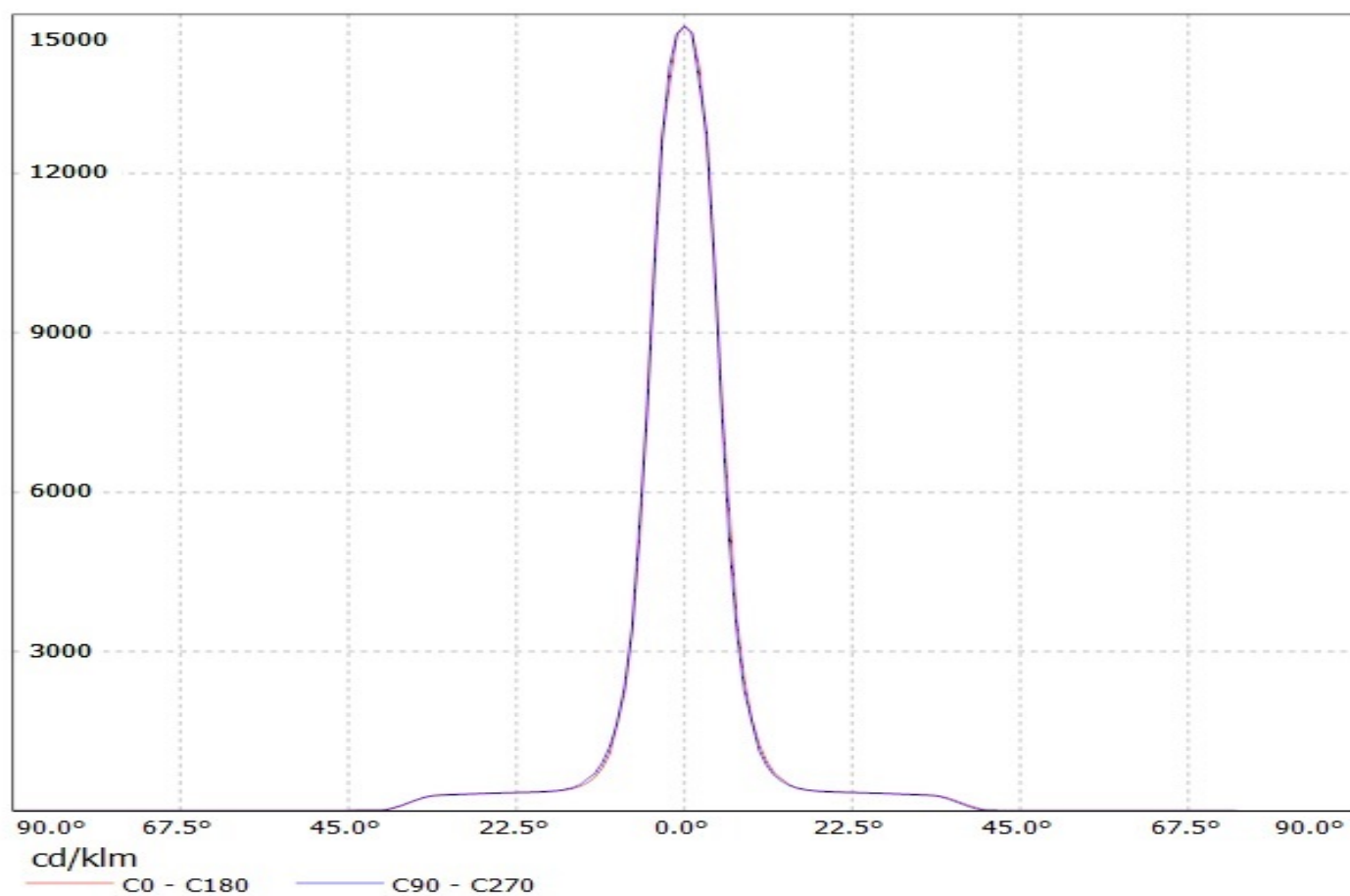
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(STARK_SLE_G3_LES17)
Lamps: 1 x TRIDONIC_STARK_SLE_G3_LES17_(STARK-SLE-PURE_G3-17-2000-840-CLA)
_1030.26lm@250mA_CCT=2000K_P=8.34707W_I=249.8mA



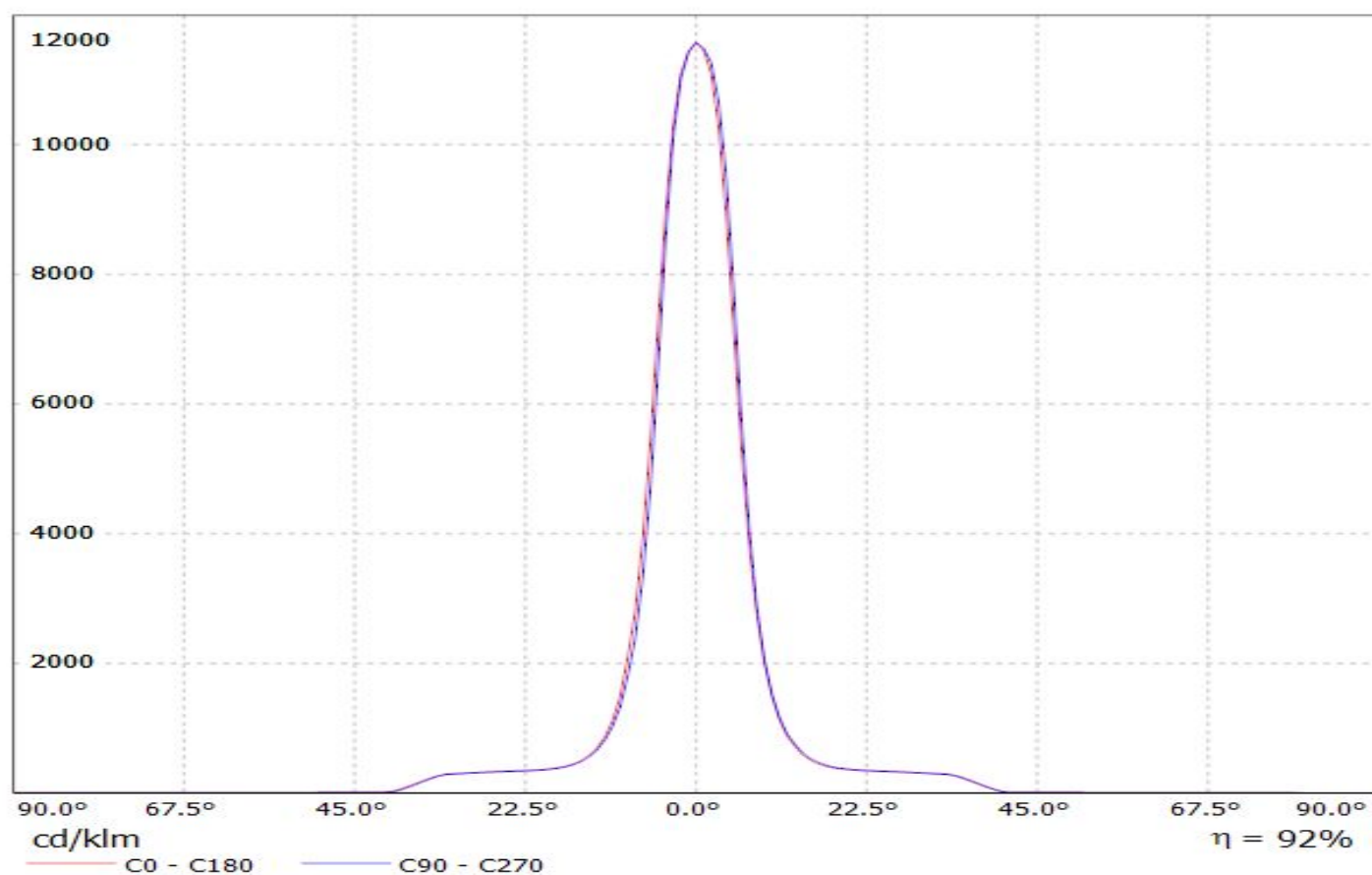
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(MZ) Eff.94.0%
Lamps: 1 x Sharp_Mega_Zenigata_1226.07lm@250mA_P=11.1573W_I=249.8mA



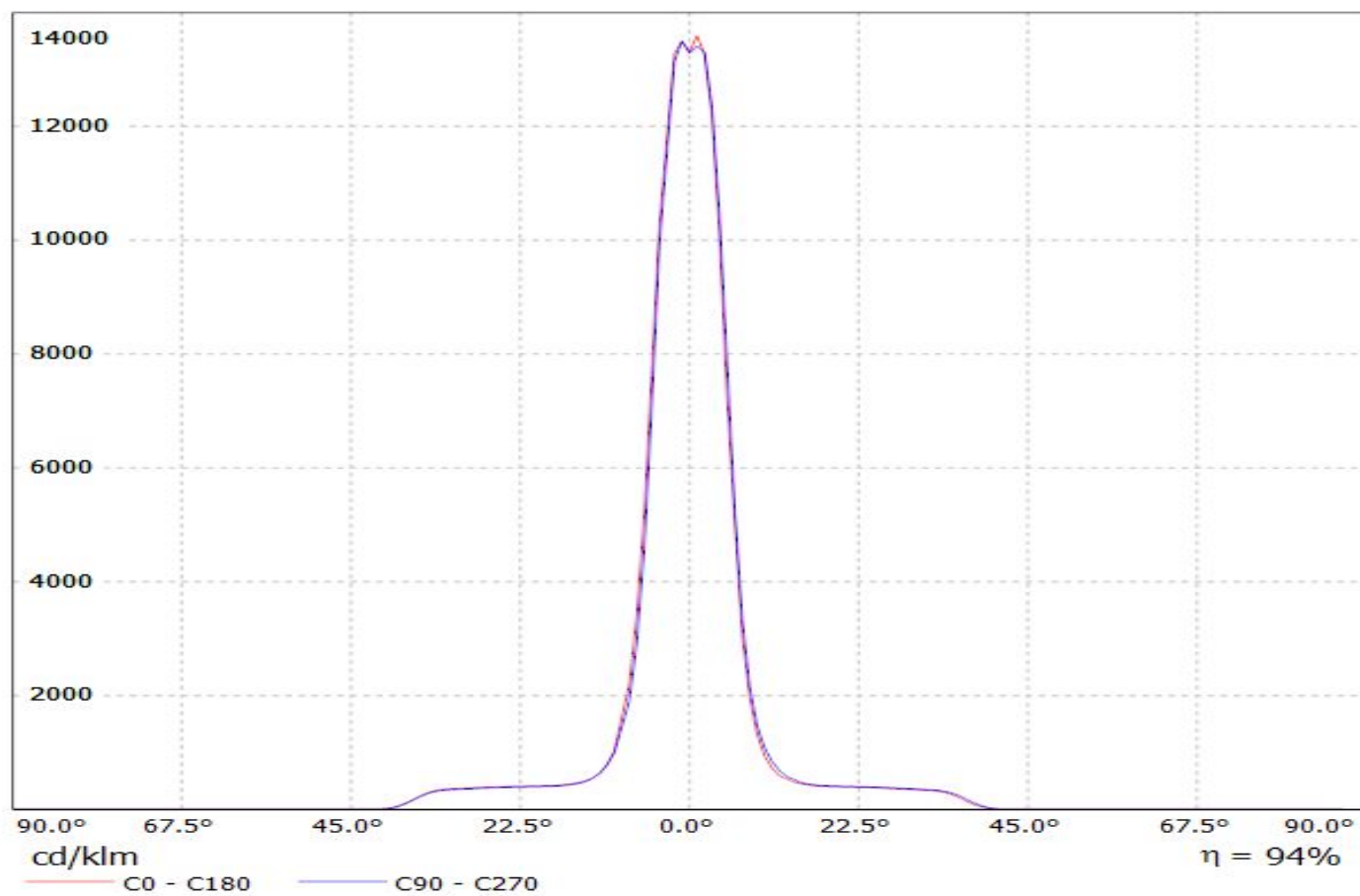
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(Luxeon_CoB_1208)
Lamps: 1 x Luxeon_CoB_1208_1045.92lm@250mA_P=8.25314W_I=249.8mA



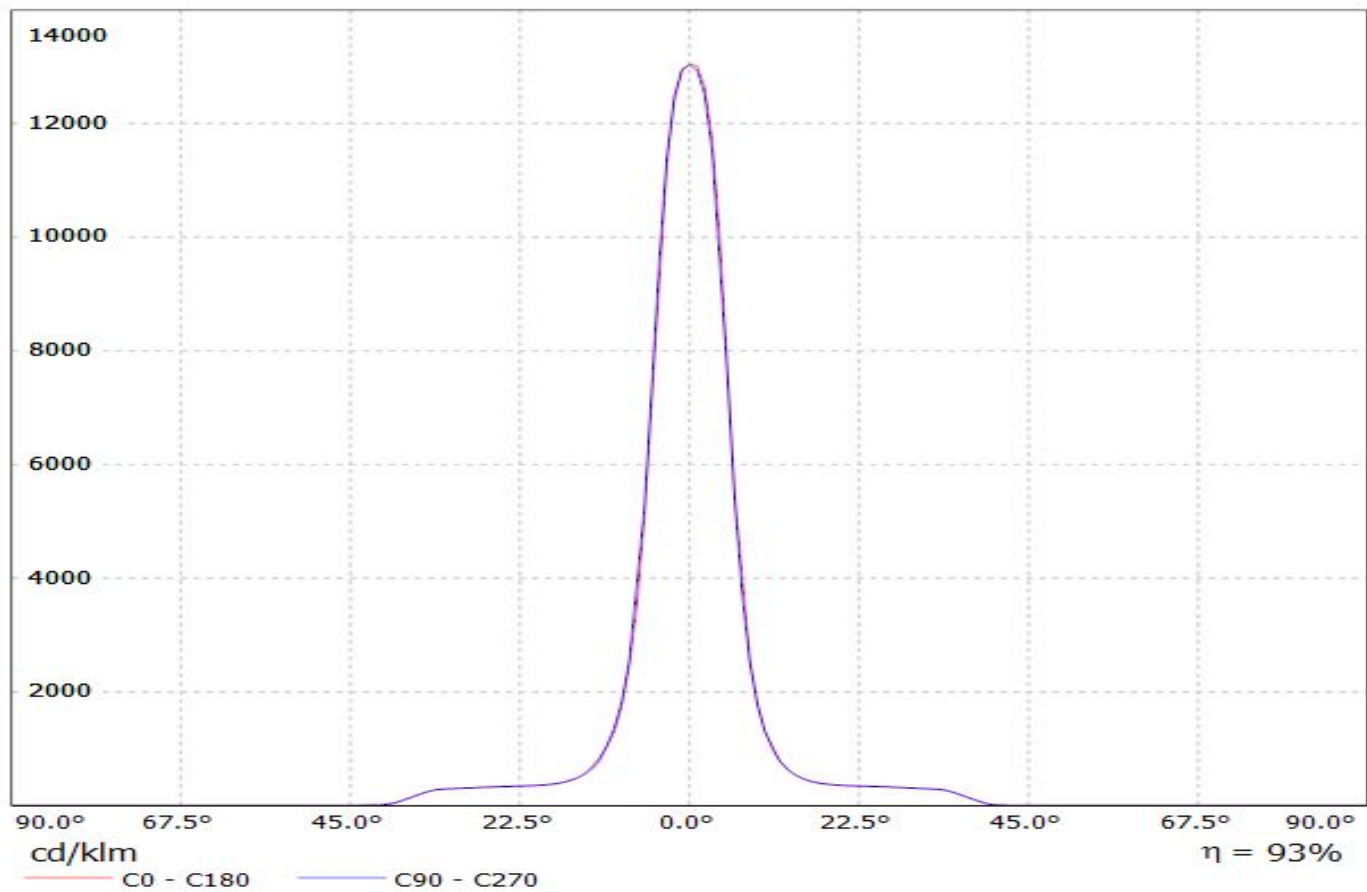
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CXA2590)
Lamps: 1 x CREE_CXA2590_(CXA2590-30F-Z4-RPH-00001)
_837.275lm@100mA_CCT=3000K_P=6.36316W_I=100.1mA



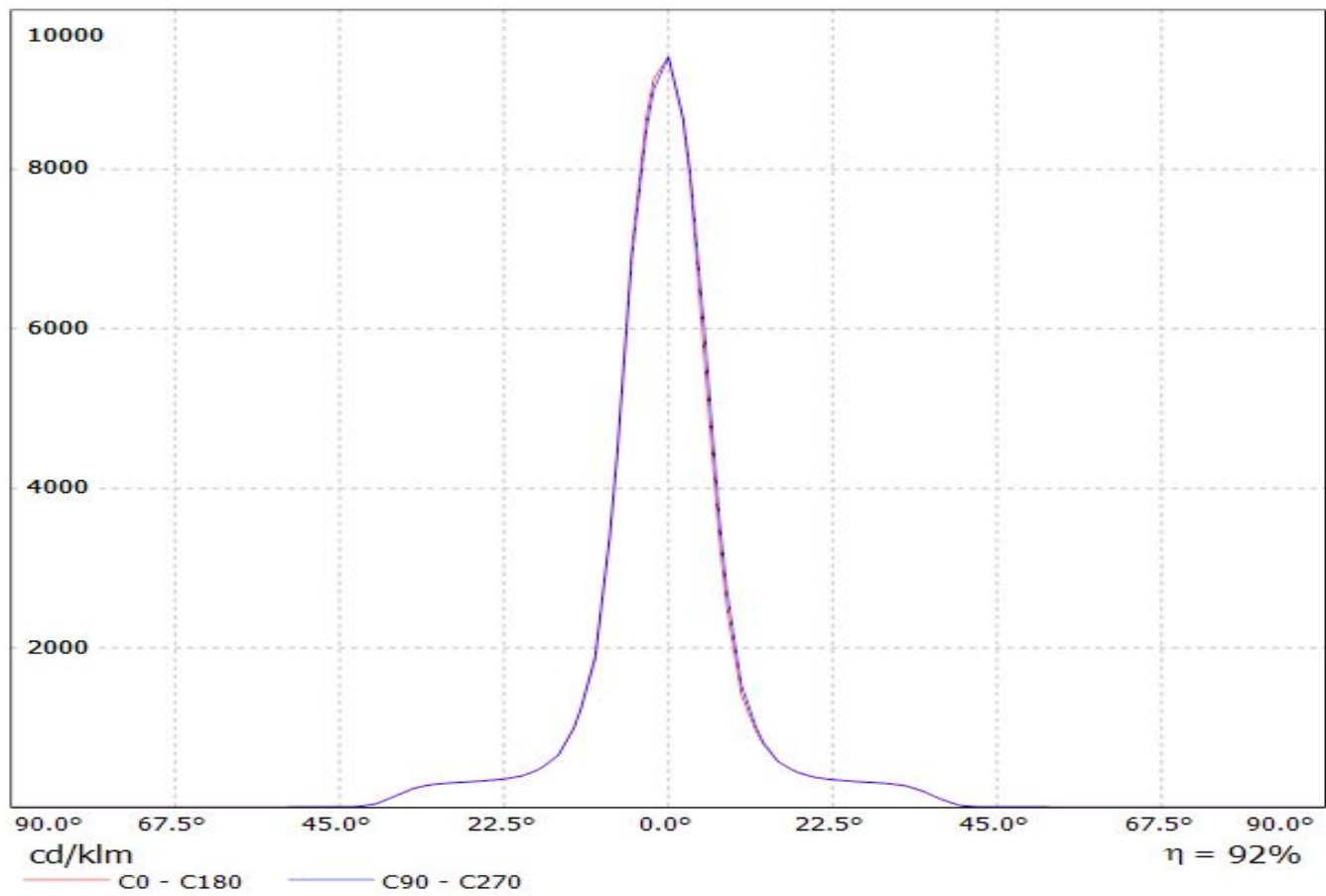
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(K16) Eff.94.0%
Lamps: 1 x Luxeon_K16_1252.4lm@250mA_P=10.8991W_U=249.9mA



Luminaire: LEDiL Oy F13662_ANGELA-S-B_(Soleriq S19) Eff.93.4%
Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)
_1445.44lm@250mA_CCT=3000K_P=10.558W_I=249.8mA

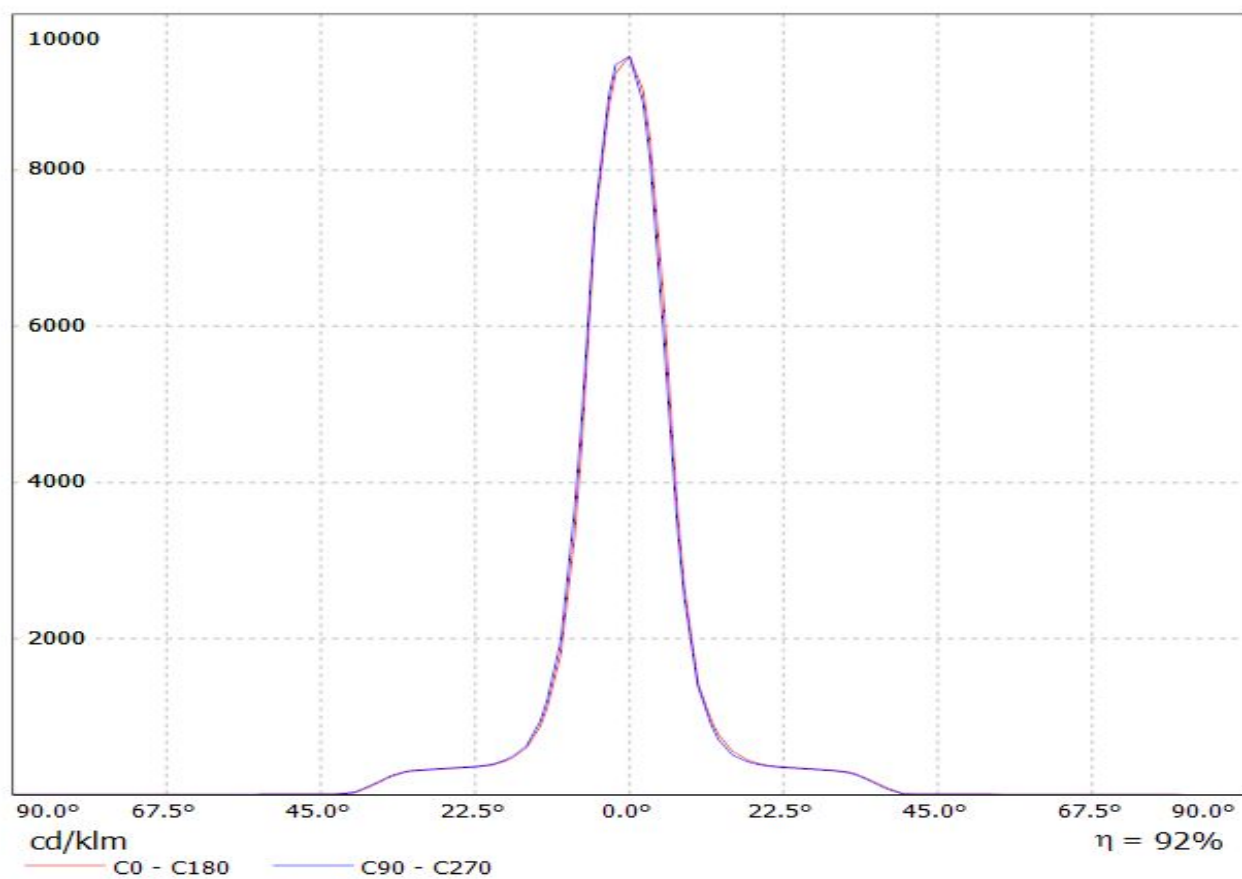


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(E30) Eff.91.2%
Lamps: 1 x Osram_Solericq_E30_1364.86lm@250mA_P=10.2445W_I=249.8mA

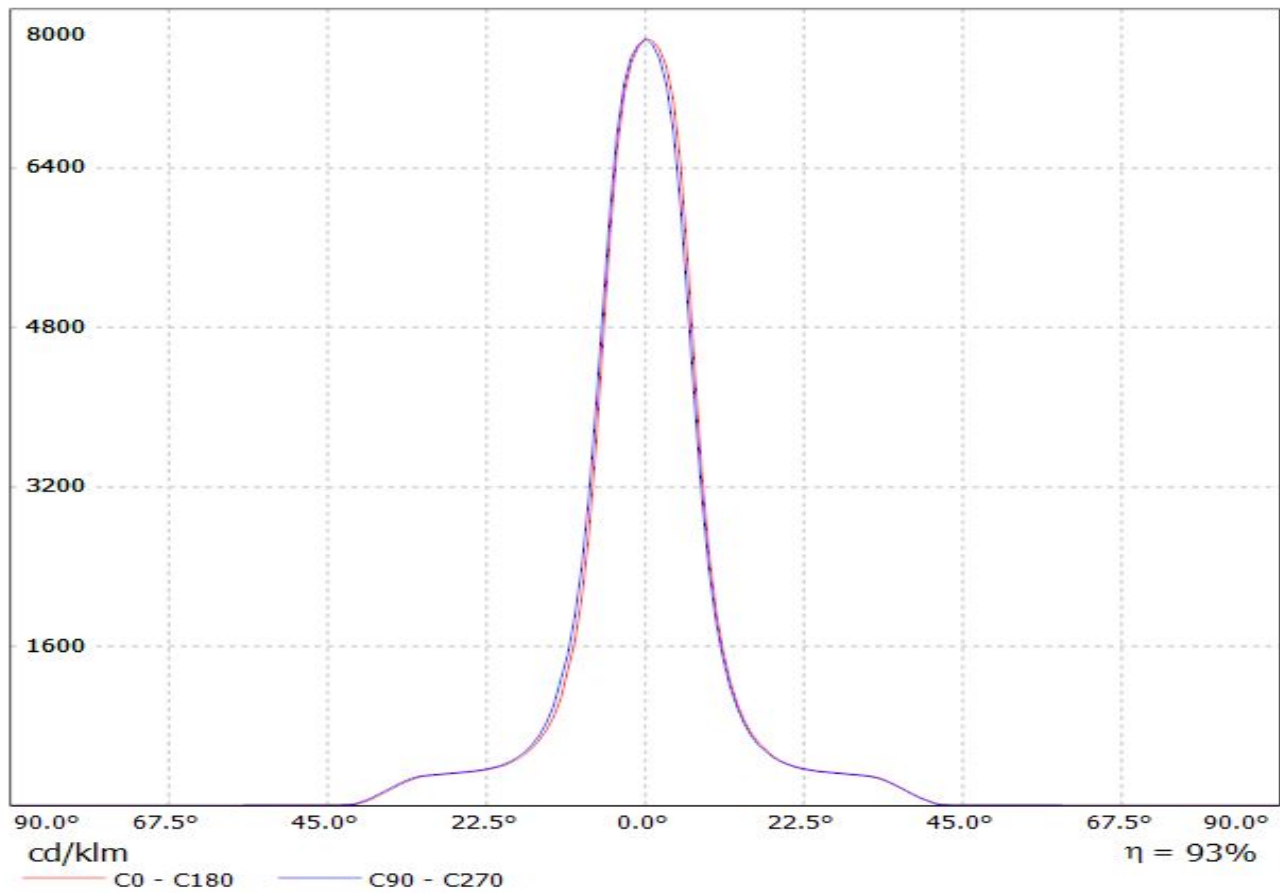


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(Luxeon_CoB_1211)

Lamps: 1 x LUXEON_COB_1211_(LHC1-2790-1211)_923.583lm@250mA_CCT=2700K_P=8.00909W_I=249.8mA

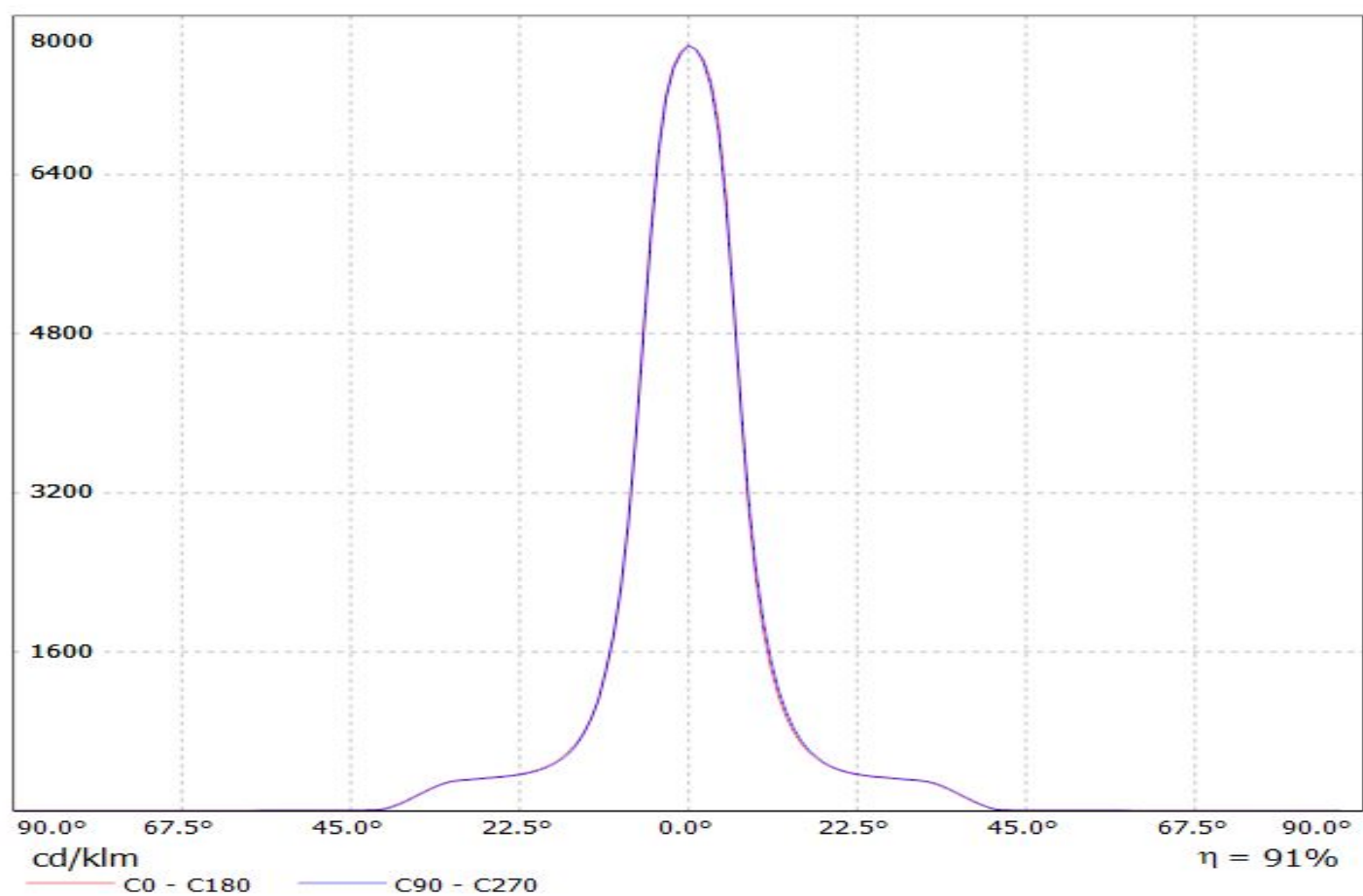


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(ZC-40) Eff.93.4%
Lamps: 1 x Seoul ZC-40_1183.63lm@250mA_P=8.42195W_I=249.9mA

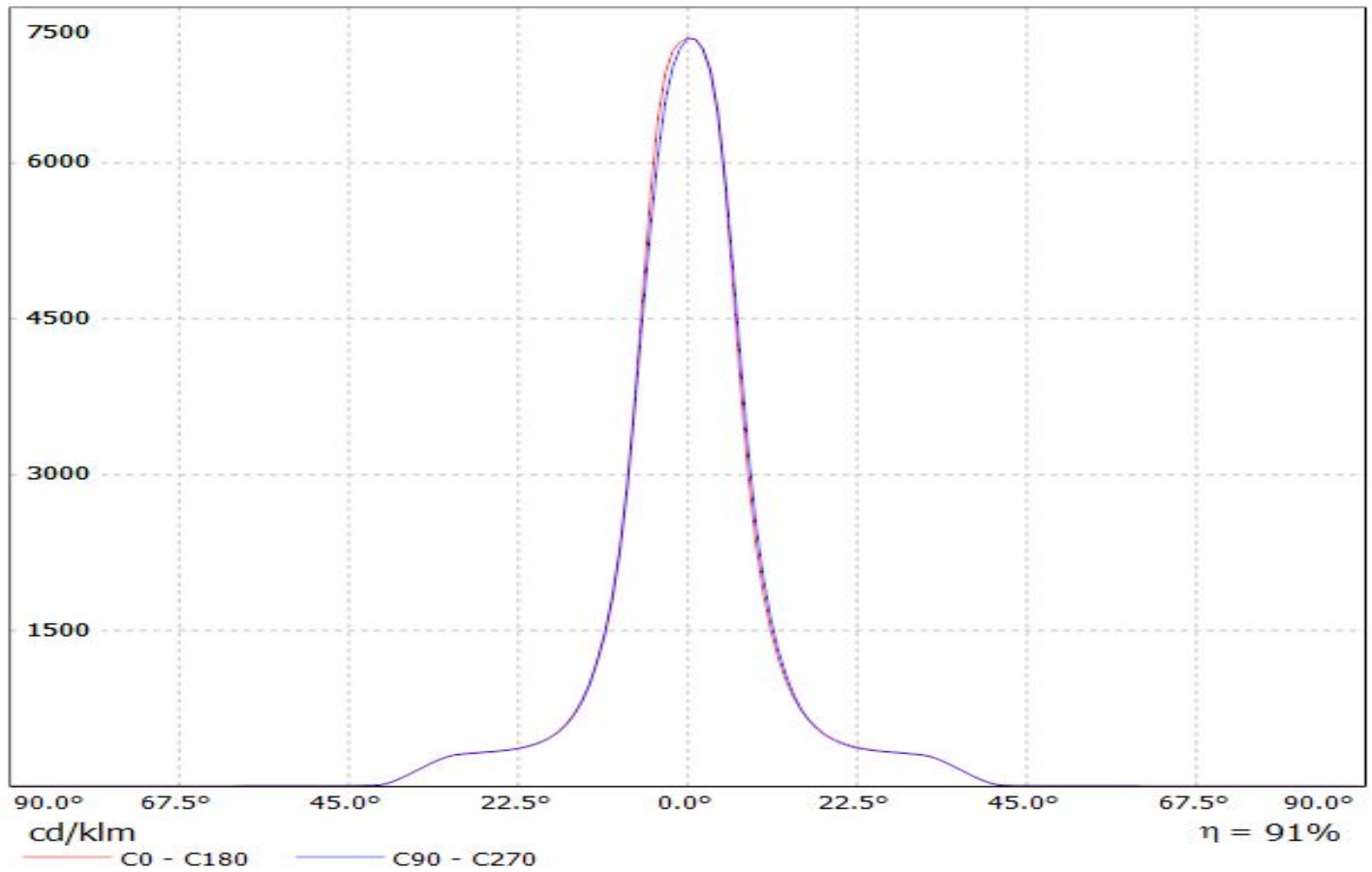


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(ZC40)

Lamps: 1 x SEOUL_ZC40_(SBWW5F1B)_1176.6lm@250mA_P=8.22171W_I=249.9mA

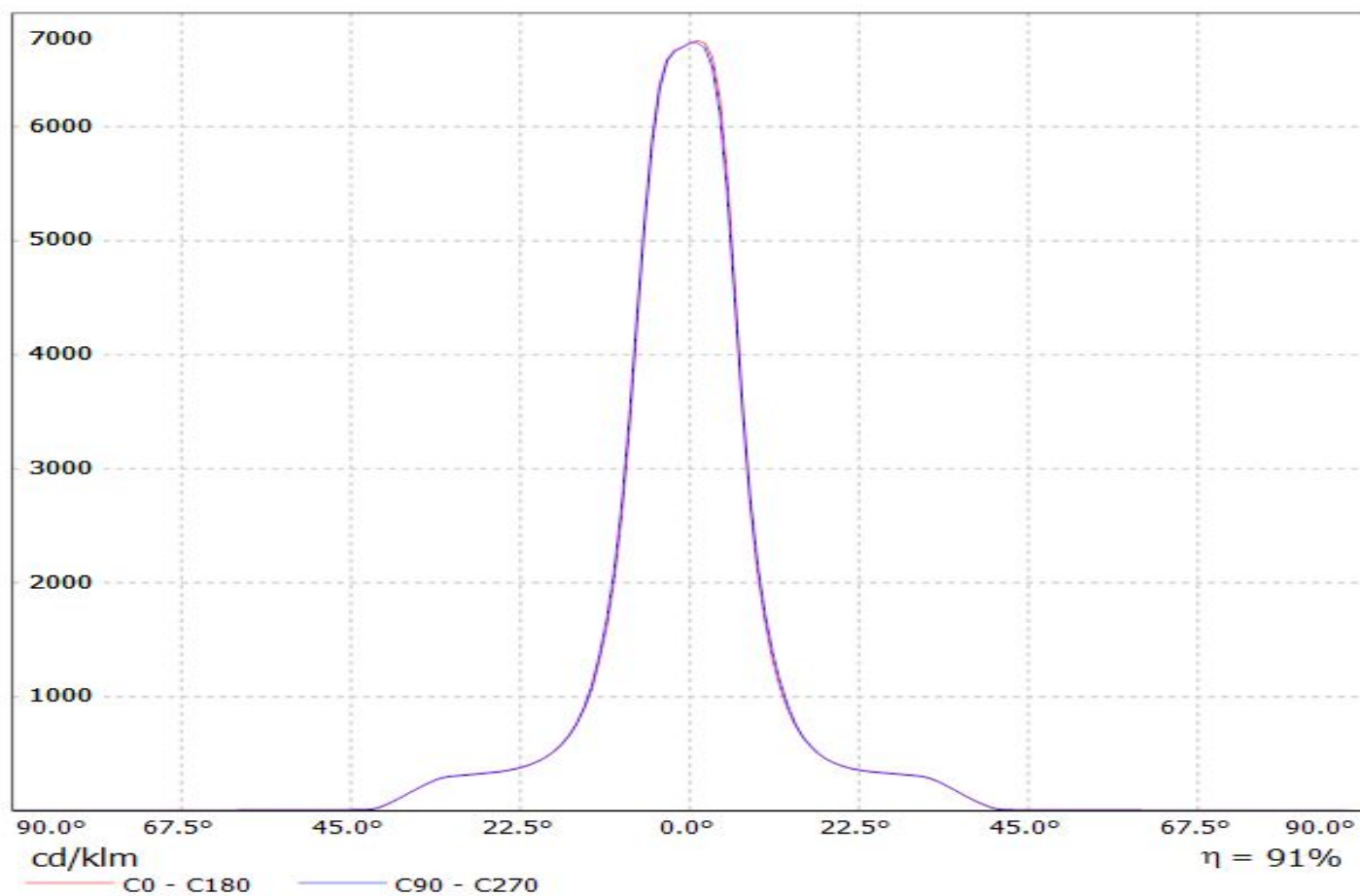


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CXA30)
Lamps: 1 x Cree_CXA30_(CXA3050-3C0-Y2-N0H)_1395.36lm@250mA_P=8.20318W_I=249.8mA

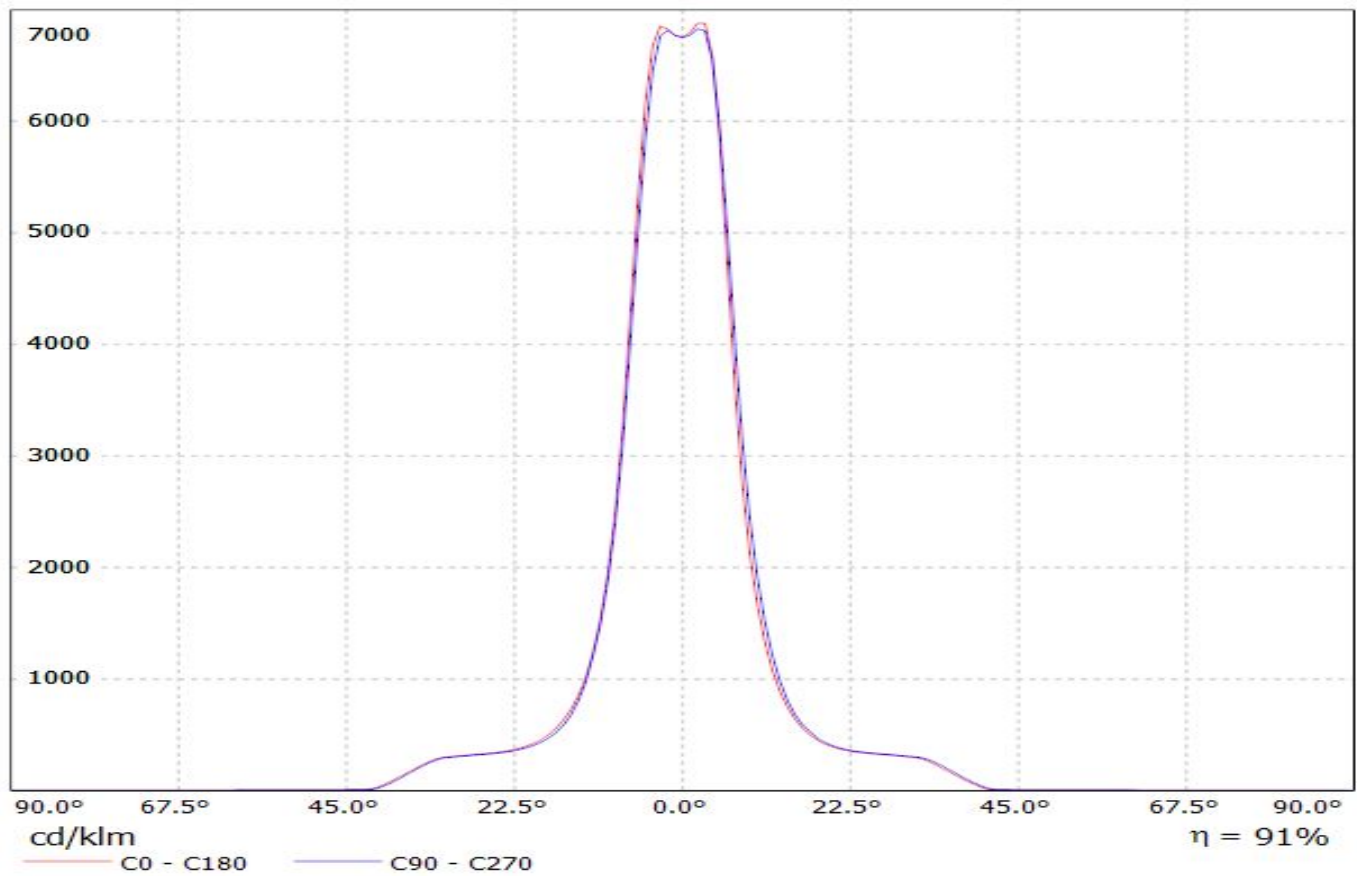


Luminaire: LEDiL Oy F13662_ANGELA-S-B (COB_40W)

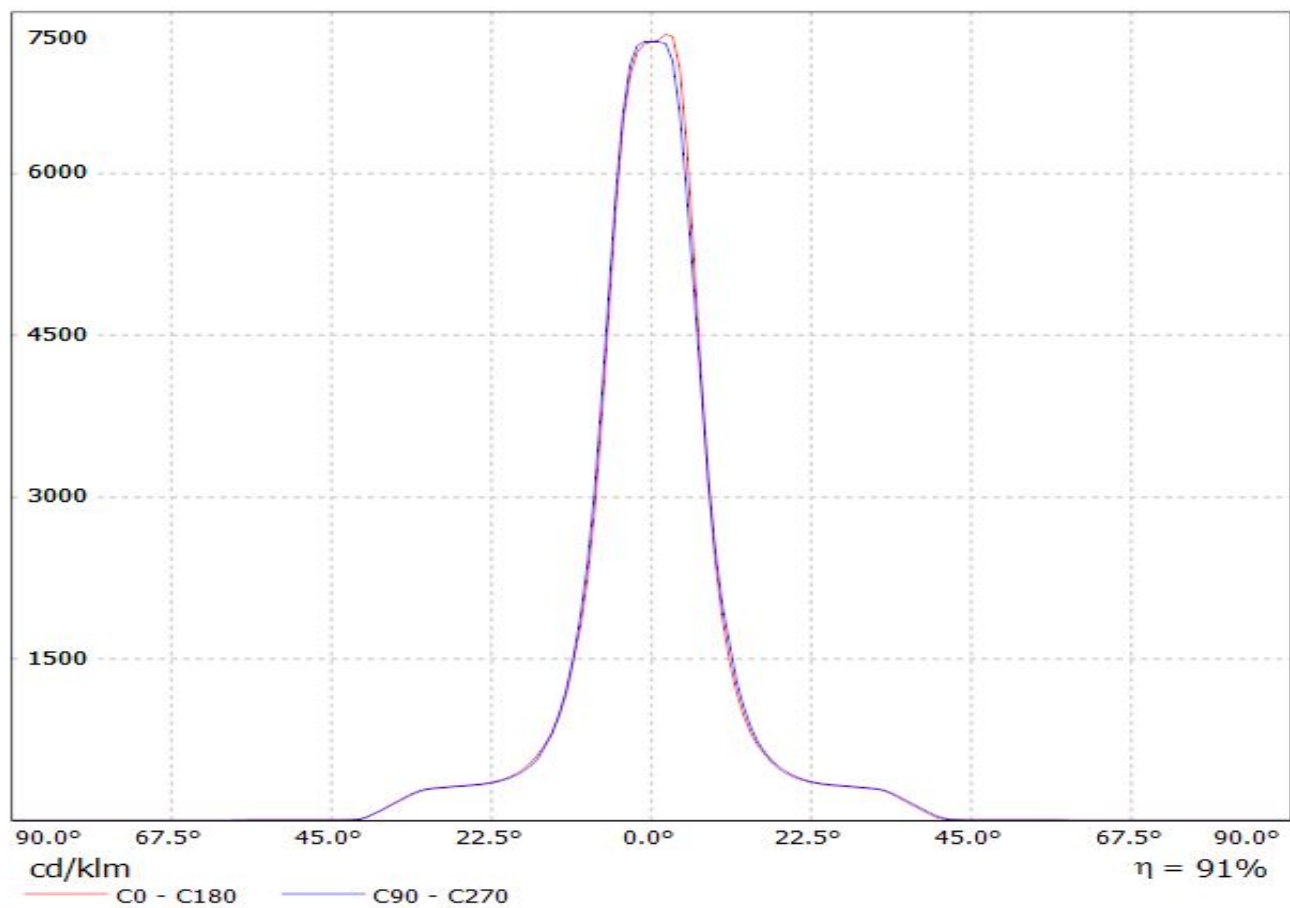
Lamps: 1 x LG_COB_40W_1163.31lm@250mA_CCT=3000K_P=8.04906W_I=249.8mA



Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CLU044)
Lamps: 1 x Citizen_CLU044_(CLU044-1212B8-303M1A2)_1300.9lm@250mA_P=8.14849W_I=249.9mA

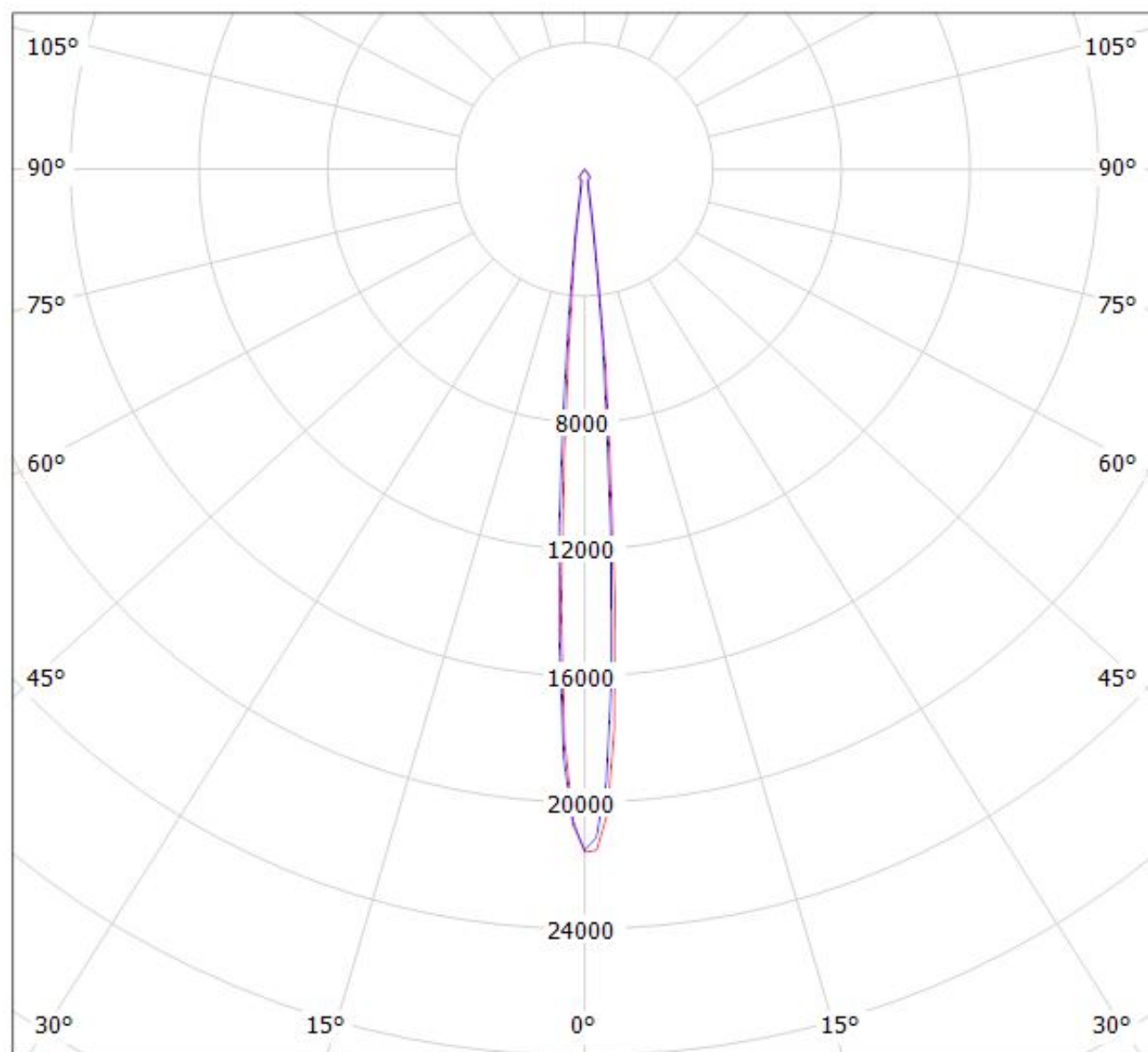


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CLL040) Eff.91.6%
Lamps: 1 x Citizen_CLL040_1011.32lm@250mA_P=8.24545W_I=249.9mA



Luminaire: LEDiL Oy F13662_ANGELA-S-B_(S13) Eff.94.0%

Lamps: 1 x Osram_Solericq_S13_901.003lm@250mA_P=7.48151W_I=249.9mA



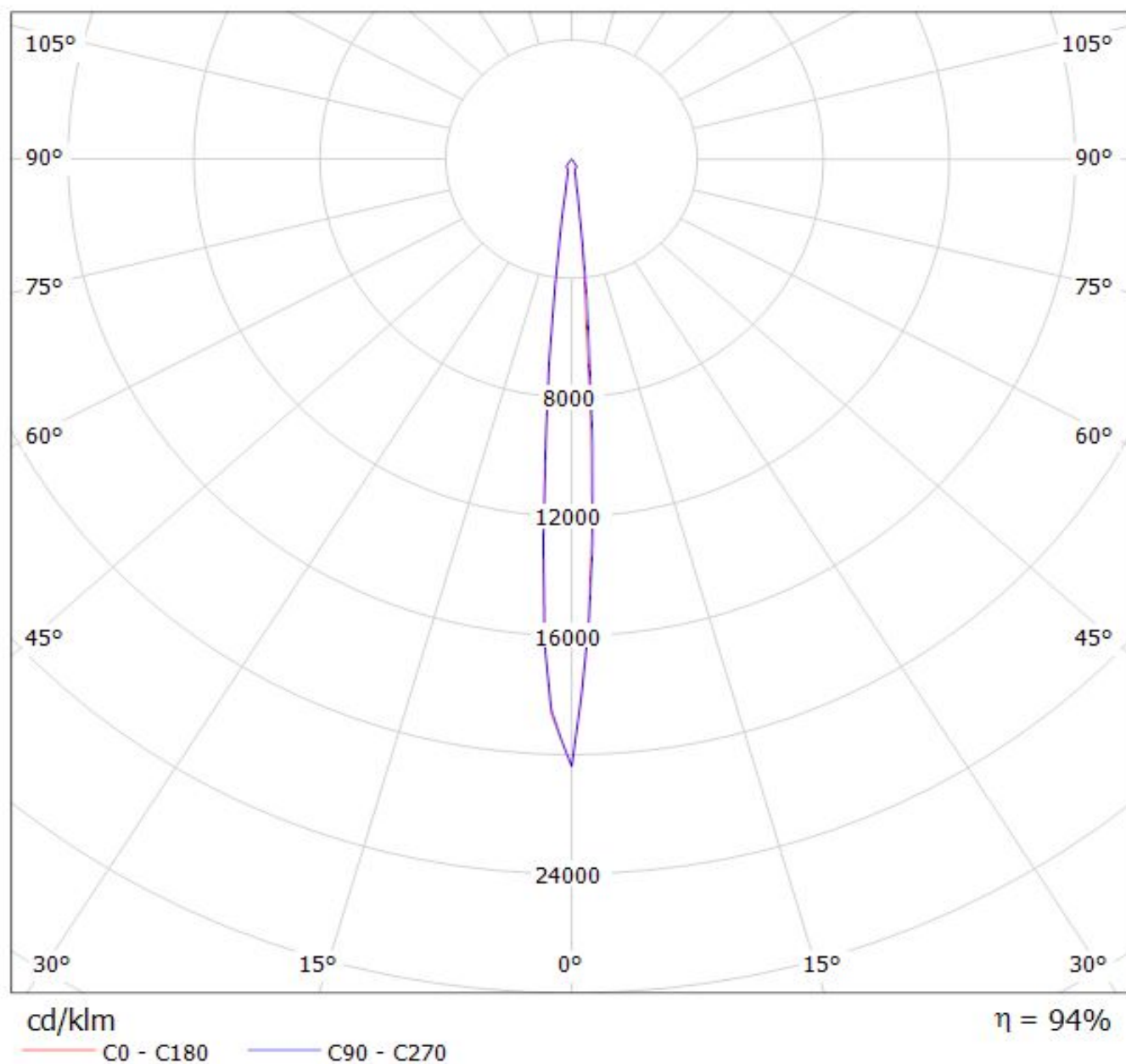
cd/klm

— C0 - C180

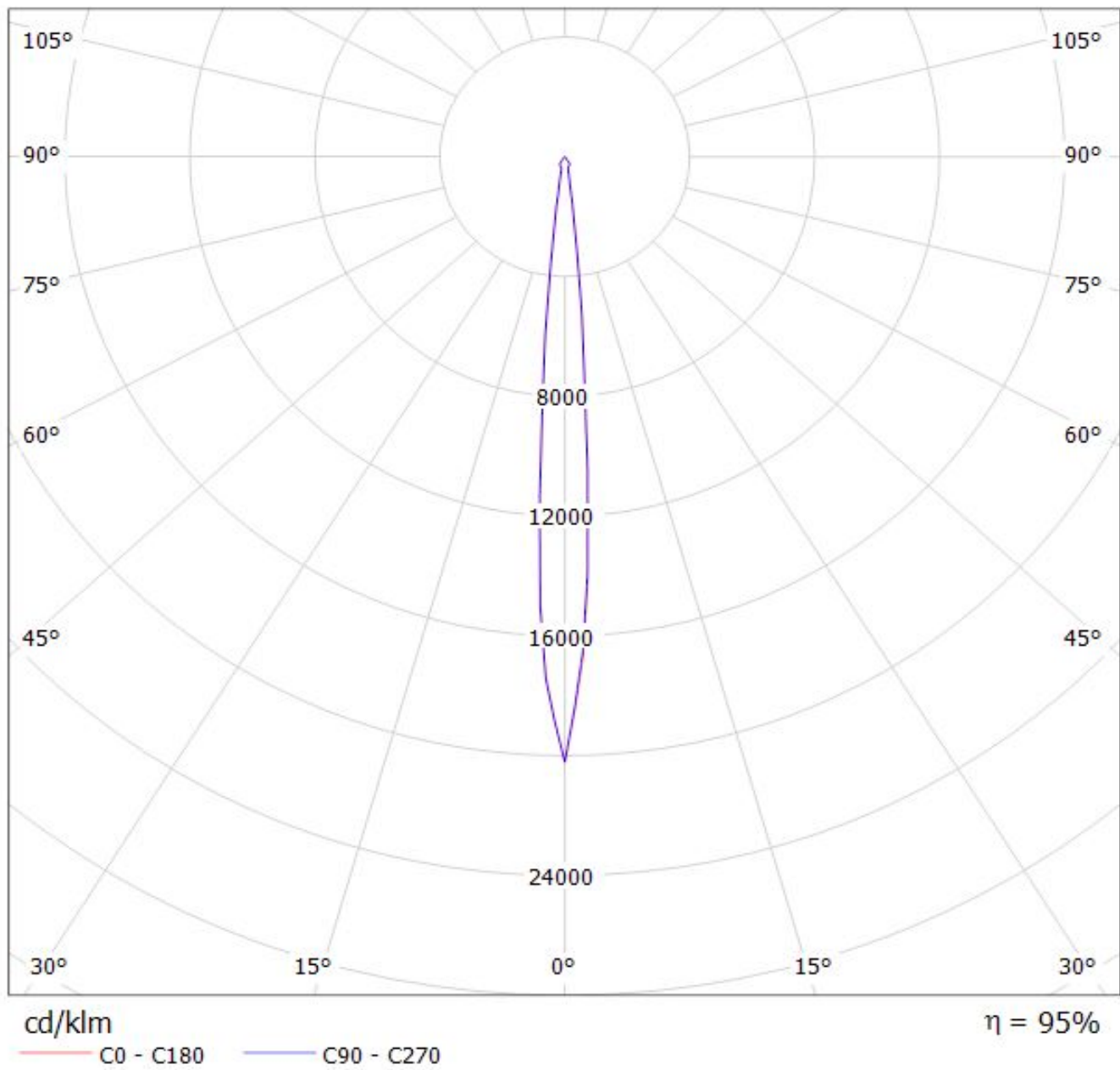
— C90 - C270

$\eta = 93\%$

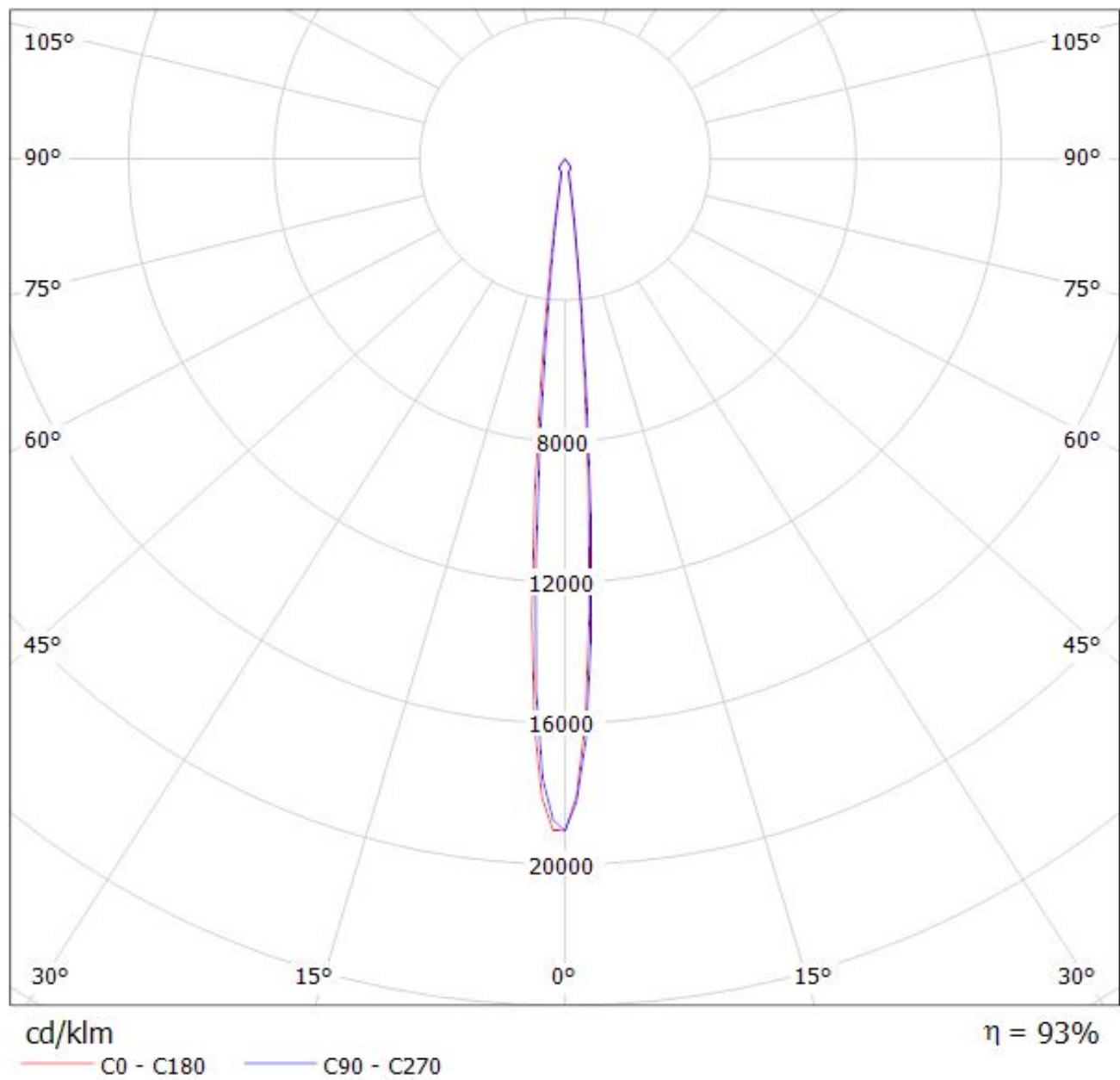
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(BXRA_ES) Eff.93.7%
Lamps: 1 x Bridgelux_BXRA_ES_287.055lm@250mA_P=4.09486W_I=249.9mA



Luminaire: LEDiL Oy F13662_ANGELA-S-B_(COB-10W)
Lamps: 1 x LG_COB-10W_1065.13lm@250mA_P=9.09921W_I=249.8mA

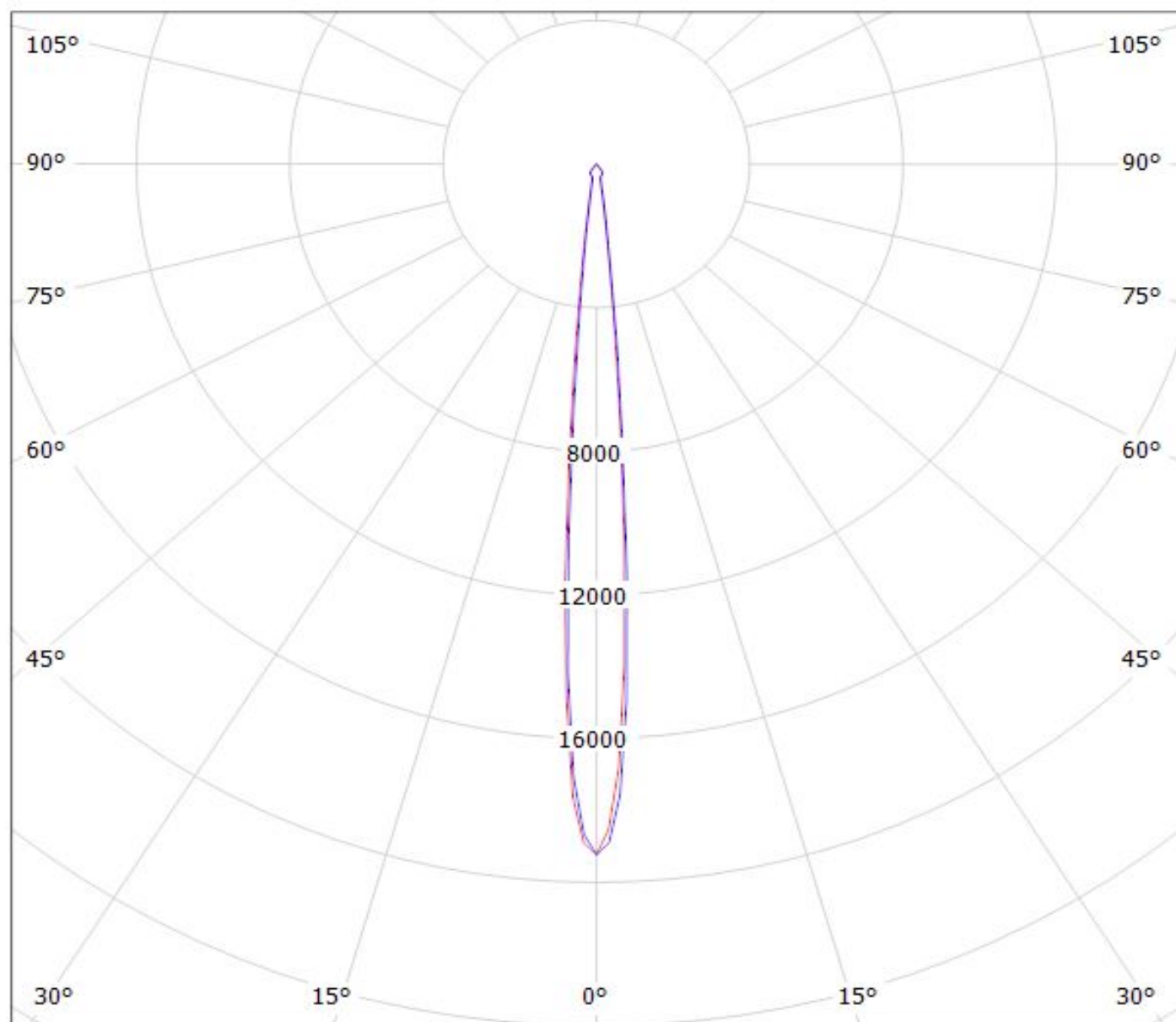


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(Luxeon_CoB_1205)
Lamps: 1 x LUXEON_COB_1205_(LHC1-3080-1205)_1115lm@250mA_CCT=3000K_P=11.183W_I=249.8mA



Luminaire: LEDiL Oy F13662_ANGELA-S-B_(LG_COB_10W)

Lamps: 1 x LG_COB_10W_(LEMWM18580LG00)_917.757lm@250mA_P=9.31304W_I=249.8mA



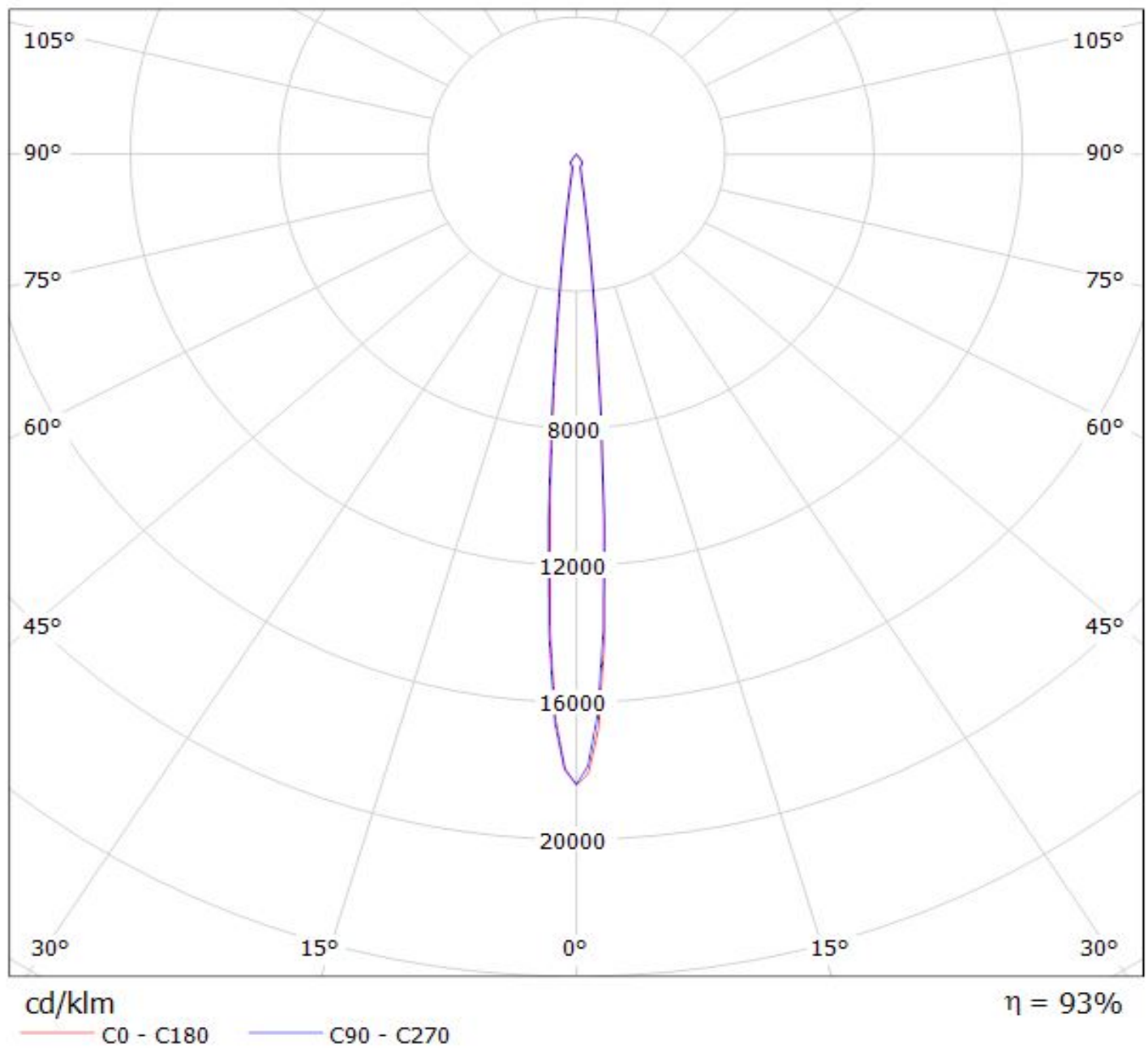
cd/klm

— C0 - C180

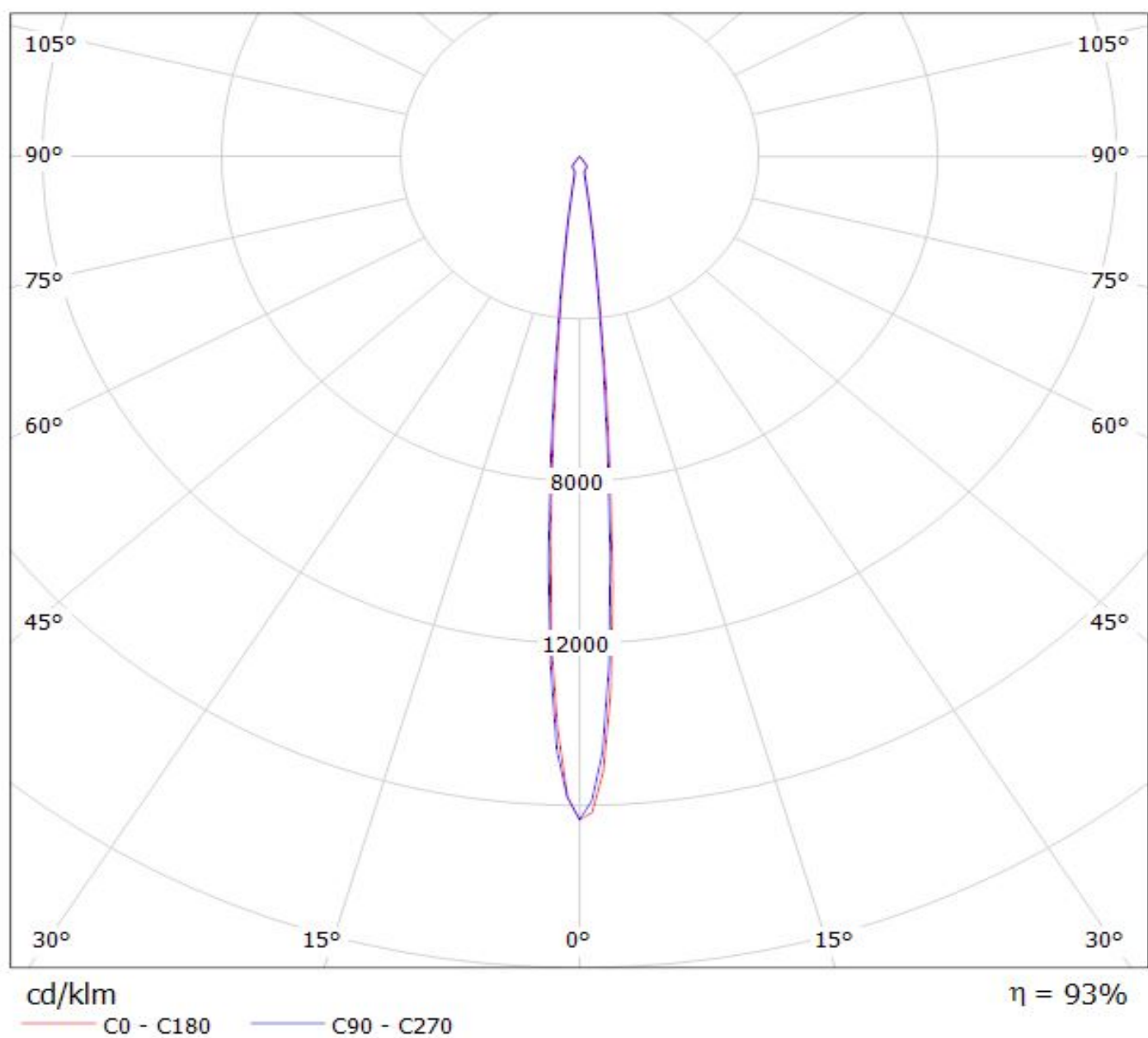
— C90 - C270

$\eta = 93\%$

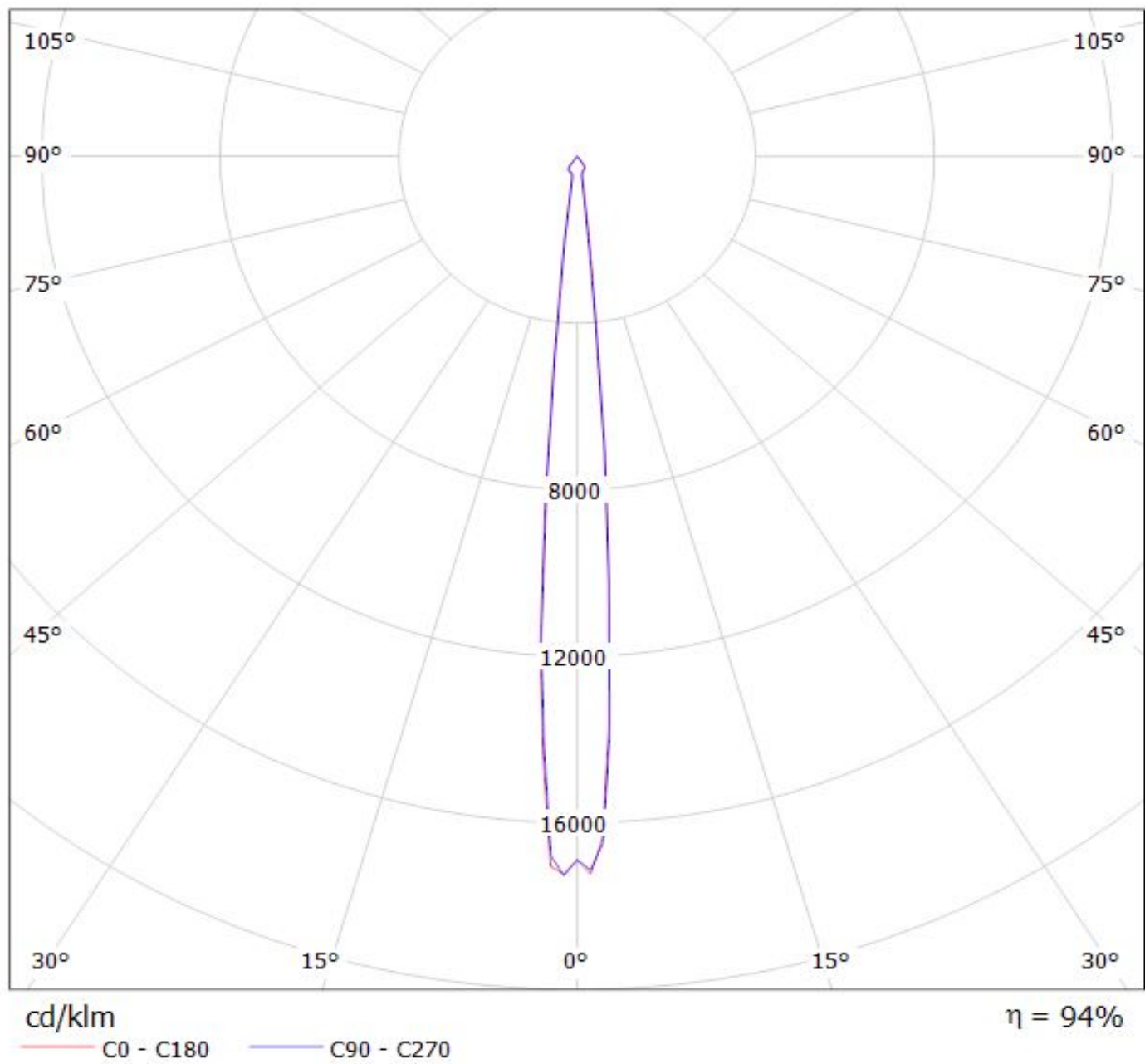
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(ZC12)
Lamps: 1 x SEOUL_ZC12_(SDW82F1C)_1240.73lm@250mA_P=8.68405W_I=249.8mA



Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CXM-14)
Lamps: 1 x LUMINUS_XNOVA_CXM-14_(AC00)
_1049.18lm@250mA_CCT=3126K_P=8.31834W_I=249.8mA

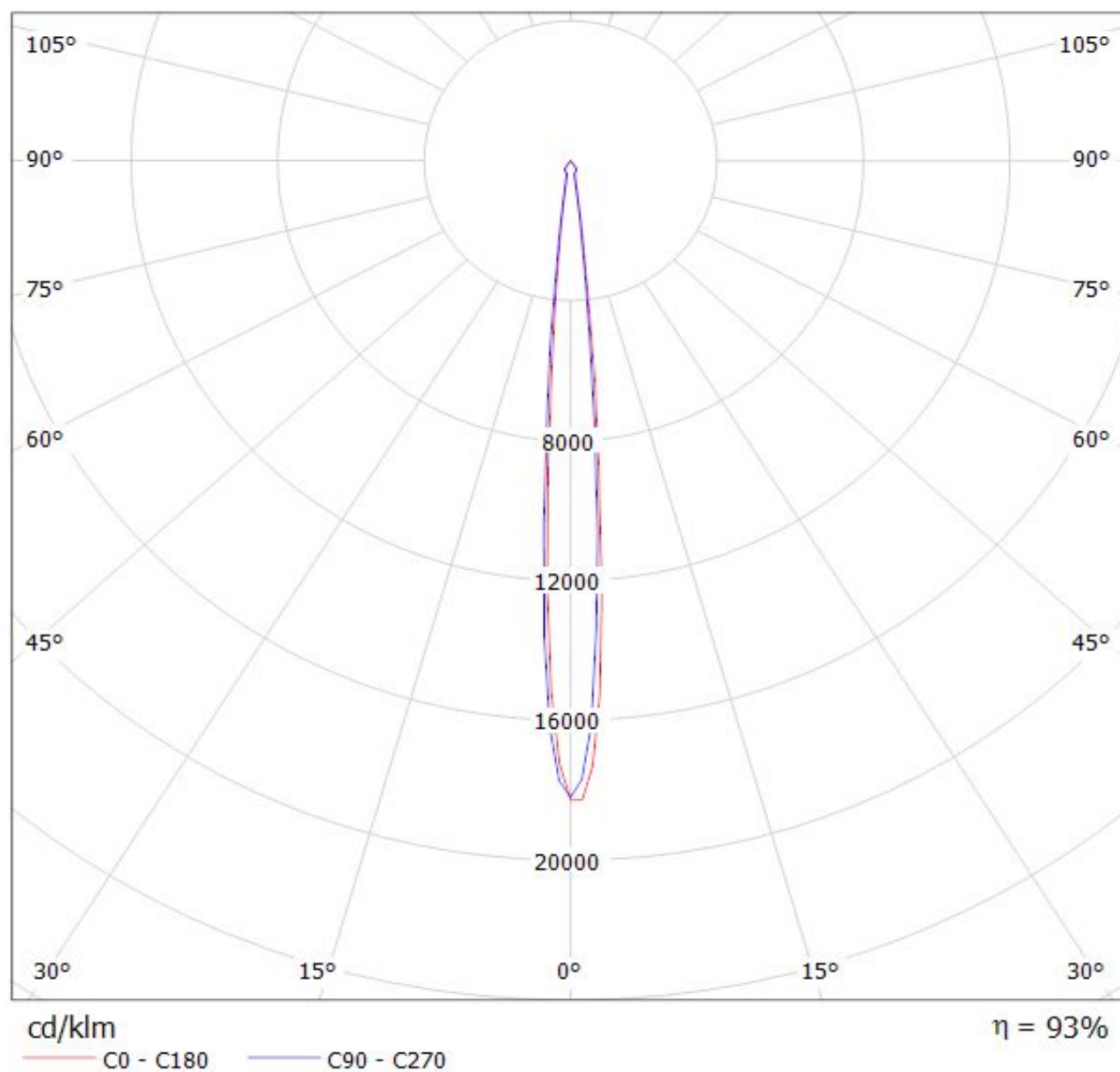


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(K12) Eff.94.0%
Lamps: 1 x Luxeon_K12_922.262lm@250mA_P=8.18947W_I=249.9mA

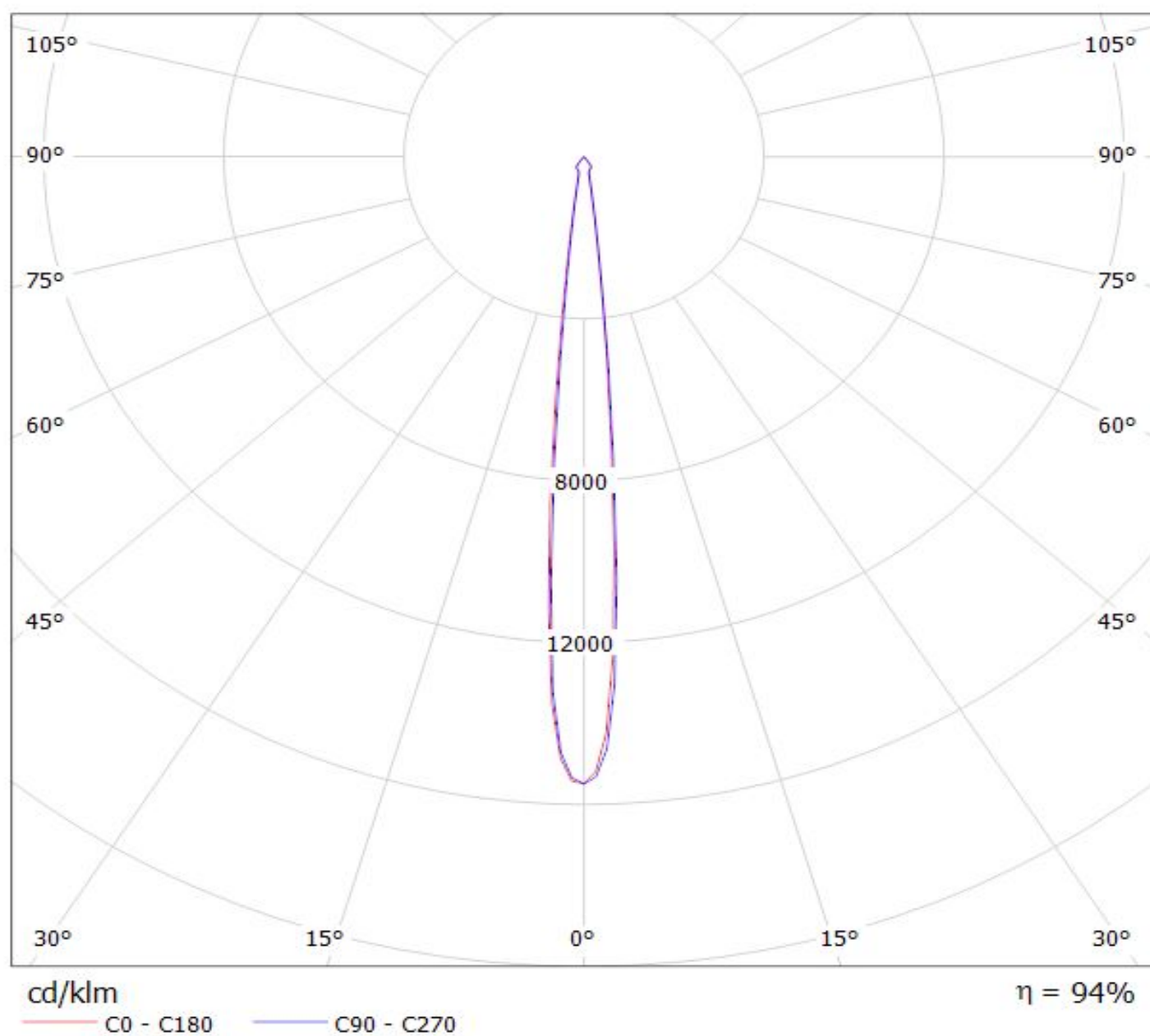


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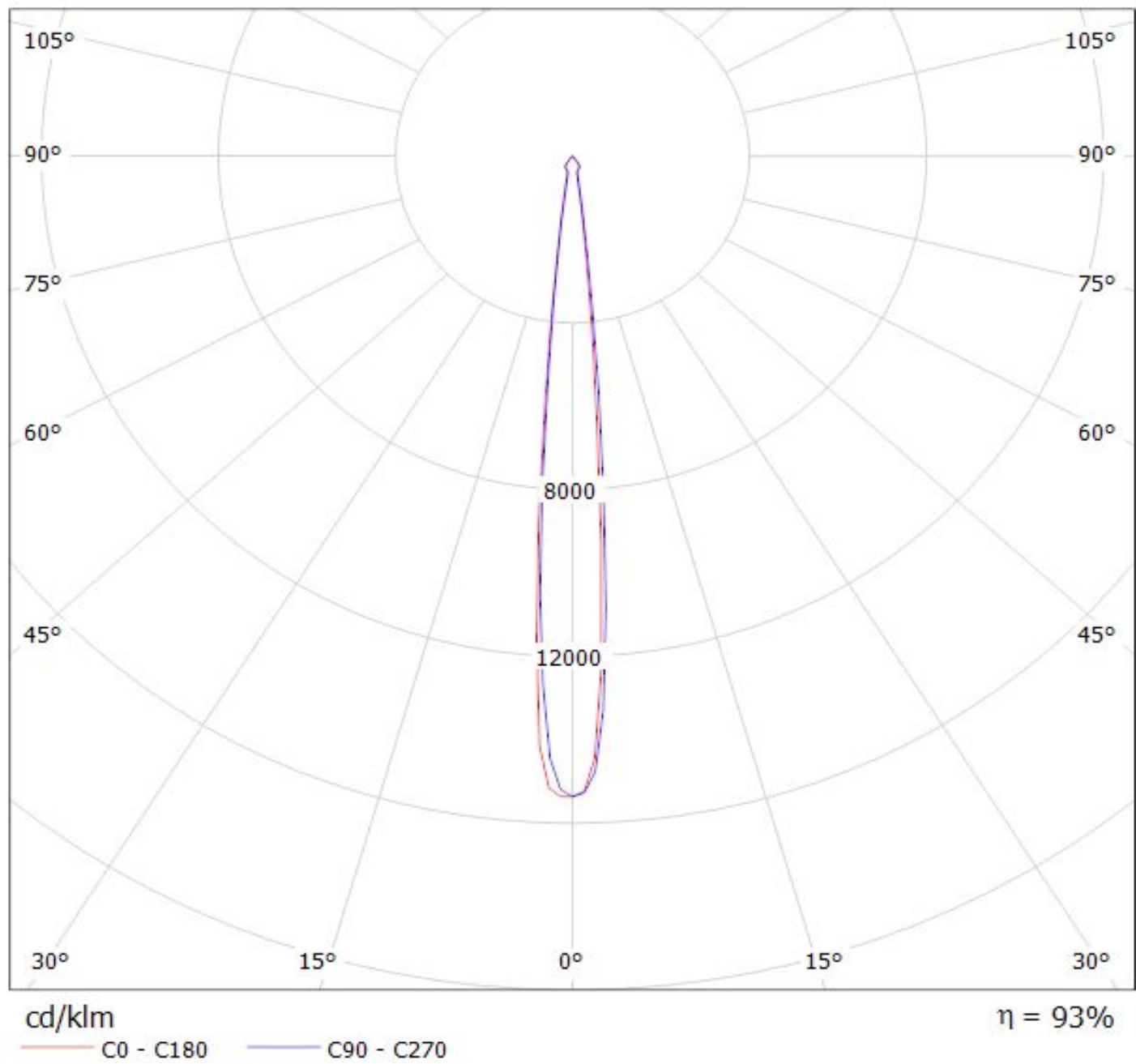
Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1-303M1A2)_1046.22lm@250mA_P=8.46761W_I=249.9mA



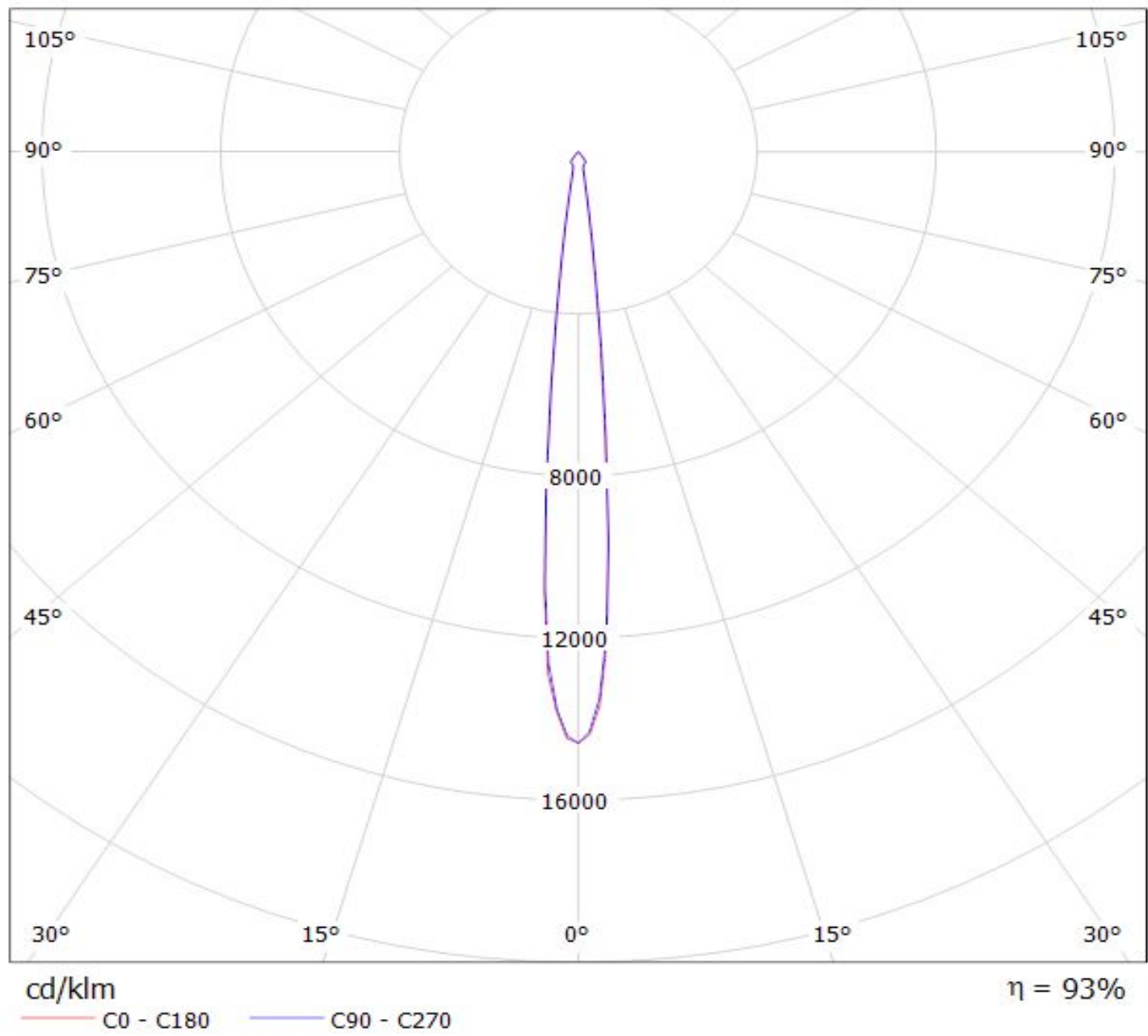
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(MegaZenigata_GW6)
Lamps: 1 x Sharp_MegaZenigata_GW6_(GW6DME30NFC)
_1266.19lm@250mA_CCT=3038K_P=11.2151W_I=250.6mA



Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CLU034)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA

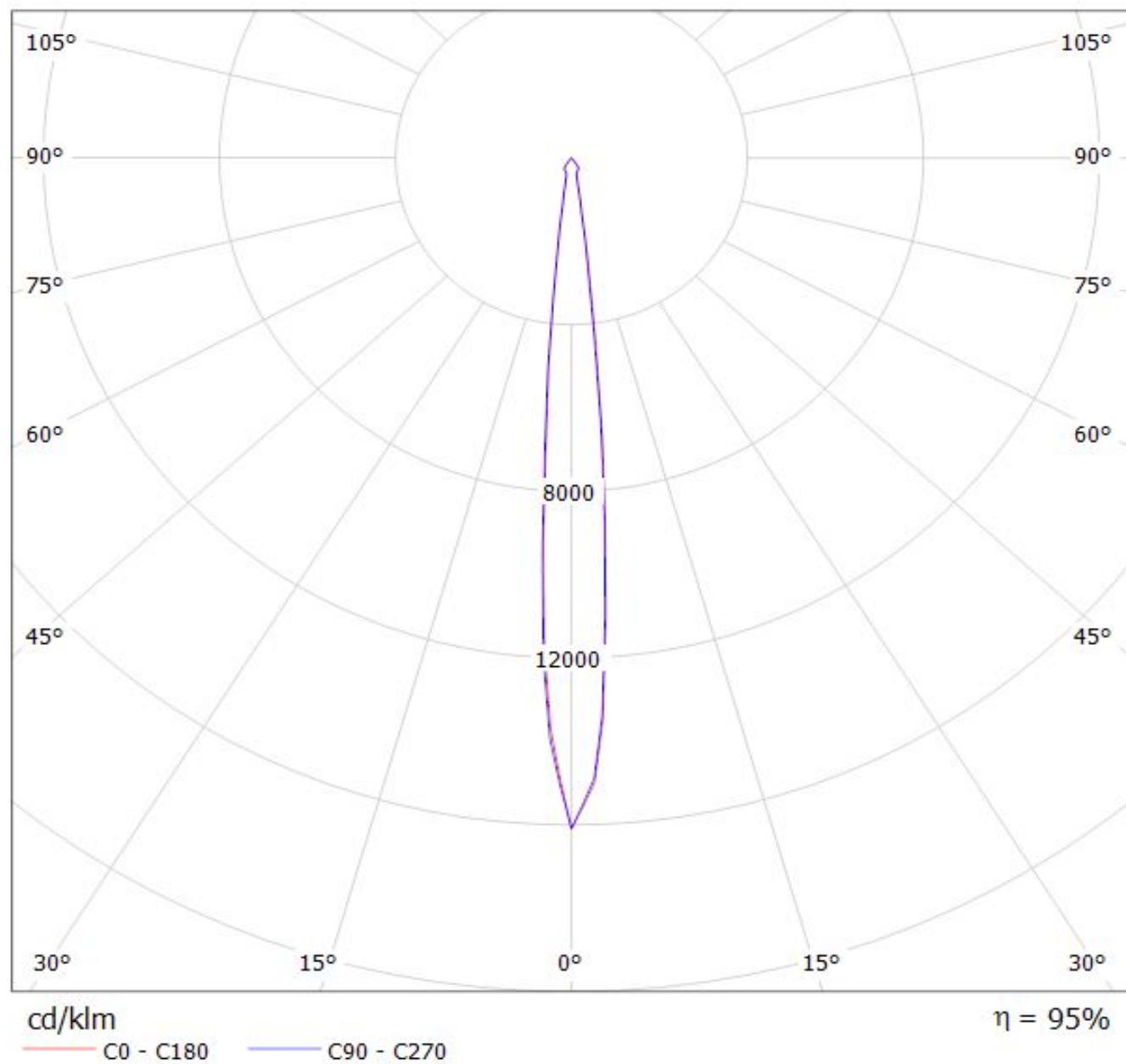


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(STARK_SLE_G3_LES17)
Lamps: 1 x TRIDONIC_STARK_SLE_G3_LES17_(STARK-SLE-PURE_G3-17-2000-840-CLA)
_1030.26lm@250mA_CCT=2000K_P=8.34707W_I=249.8mA

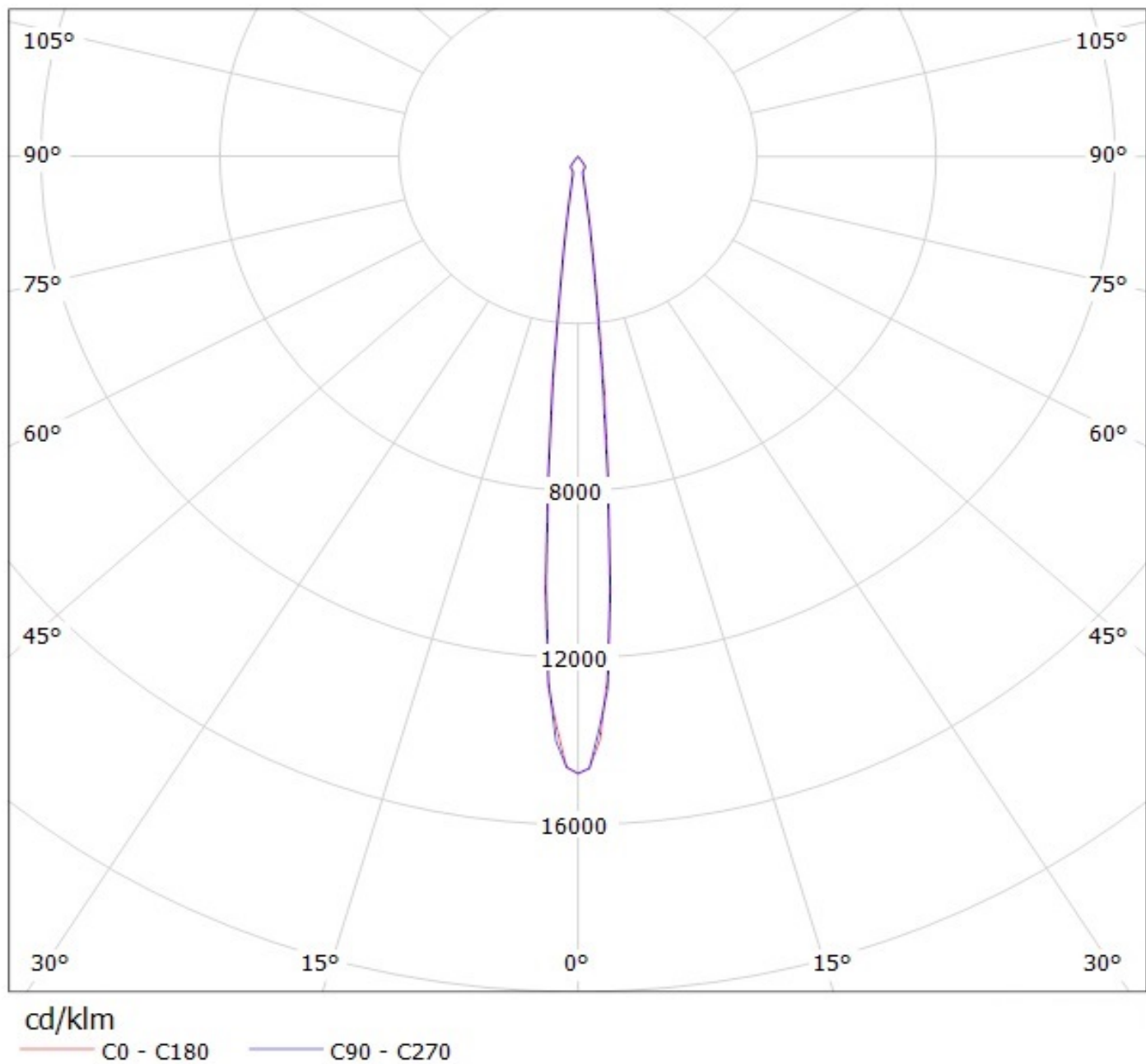


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(MZ) Eff.94.0%

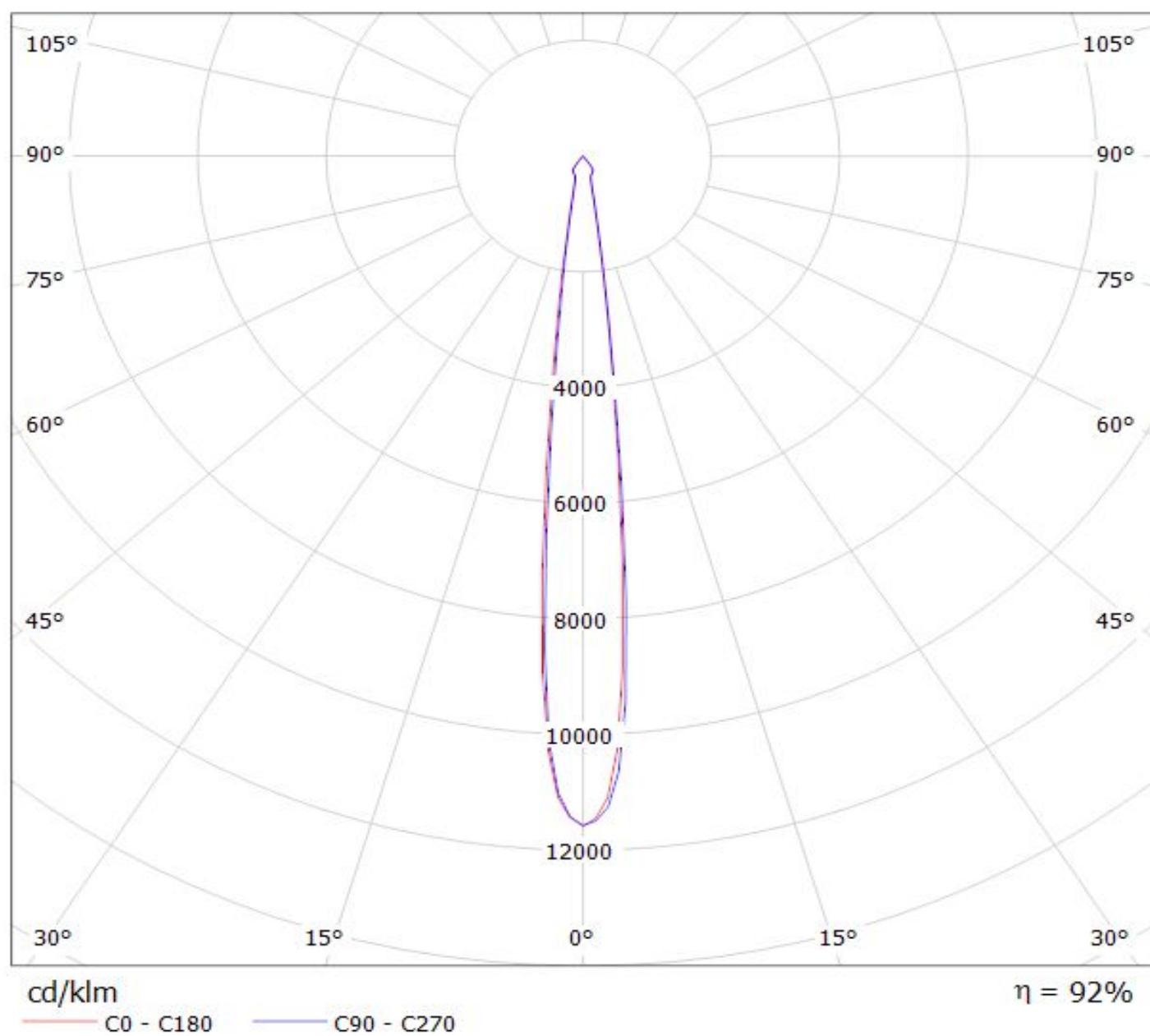
Lamps: 1 x Sharp_Mega_Zenigata_1226.07lm@250mA_P=11.1573W_I=249.8mA



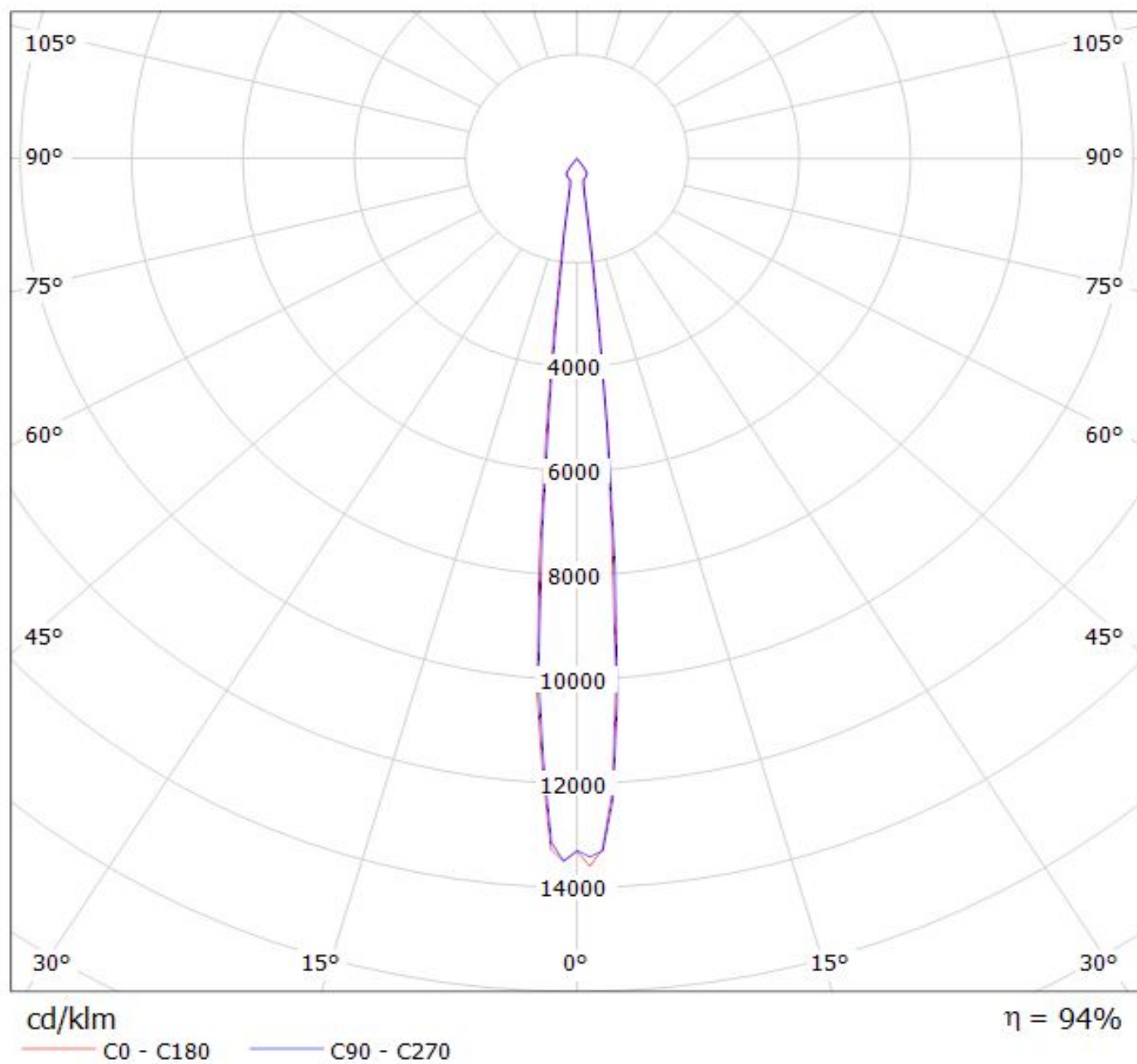
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(Luxeon_CoB_1208)
Lamps: 1 x Luxeon_CoB_1208_1045.92lm@250mA_P=8.25314W_I=249.8mA



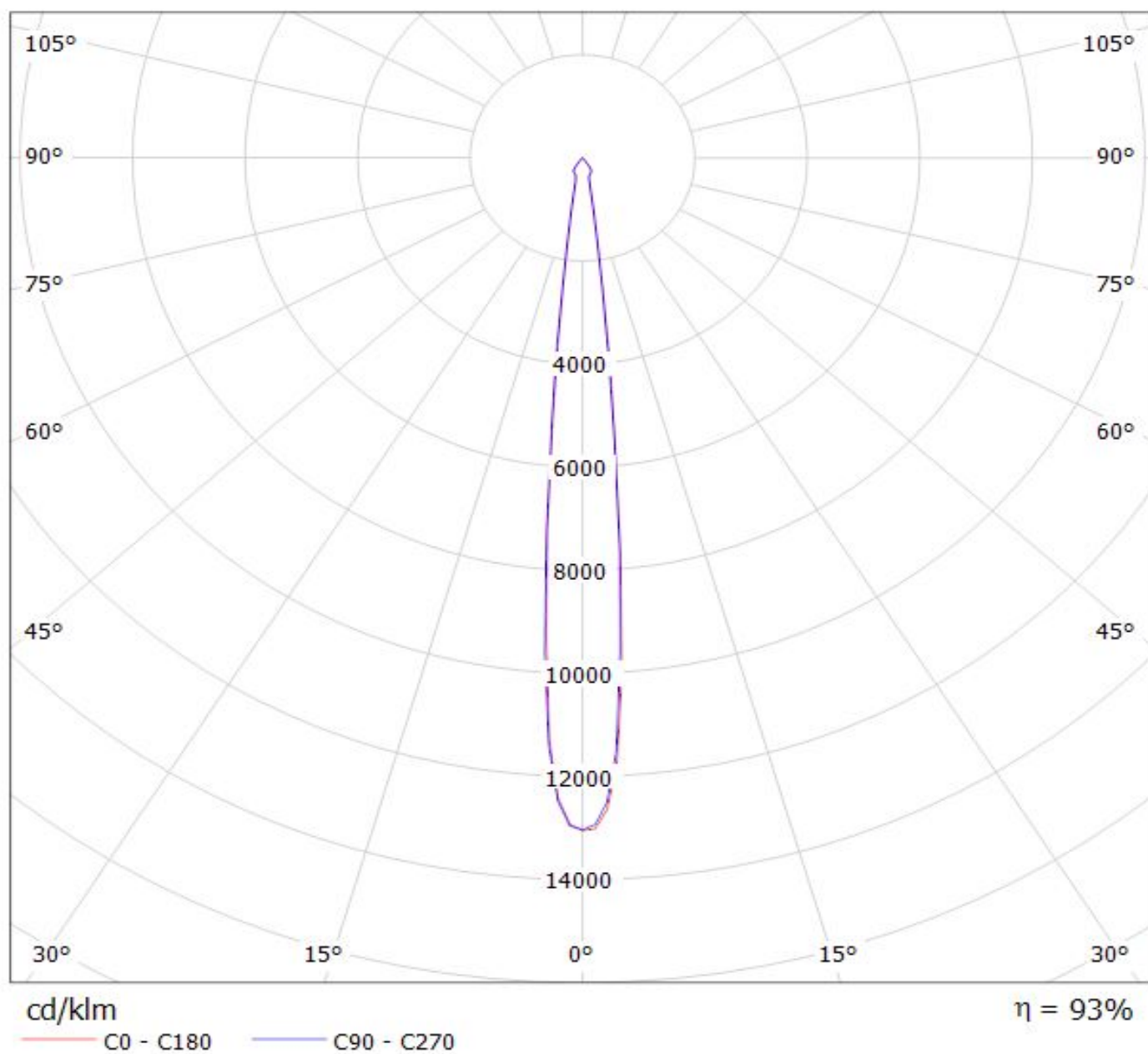
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CXA2590)
Lamps: 1 x CREE_CXA2590_(CXA2590-30F-Z4-RPH-00001)
_837.275lm@100mA_CCT=3000K_P=6.36316W_I=100.1mA



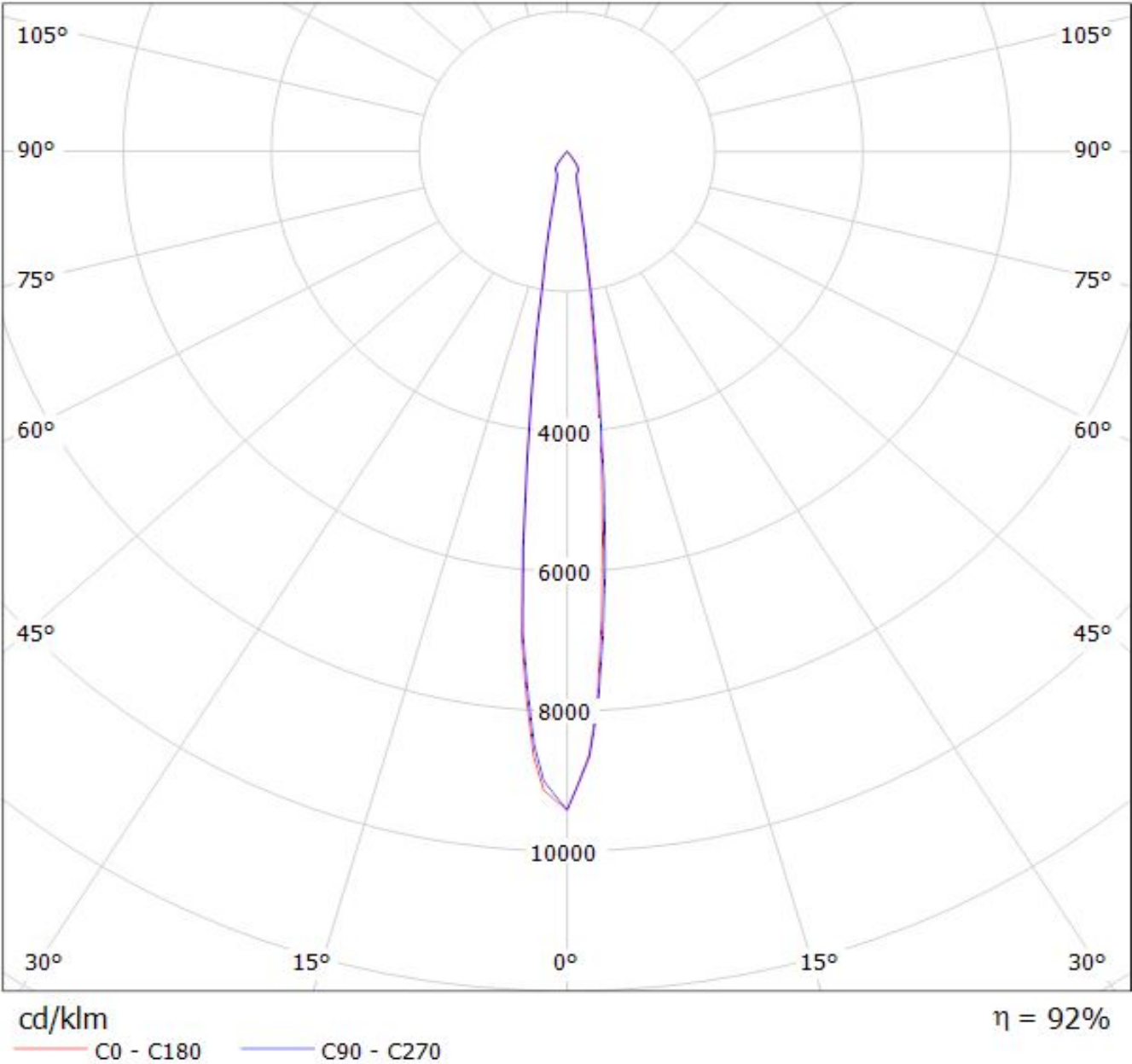
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(K16) Eff.94.0%
Lamps: 1 x Luxeon_K16_1252.4lm@250mA_P=10.8991W_U=249.9mA



Luminaire: LEDiL Oy F13662_ANGELA-S-B_(Soleriq S19) Eff.93.4%
Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)
_1445.44lm@250mA_CCT=3000K_P=10.558W_I=249.8mA

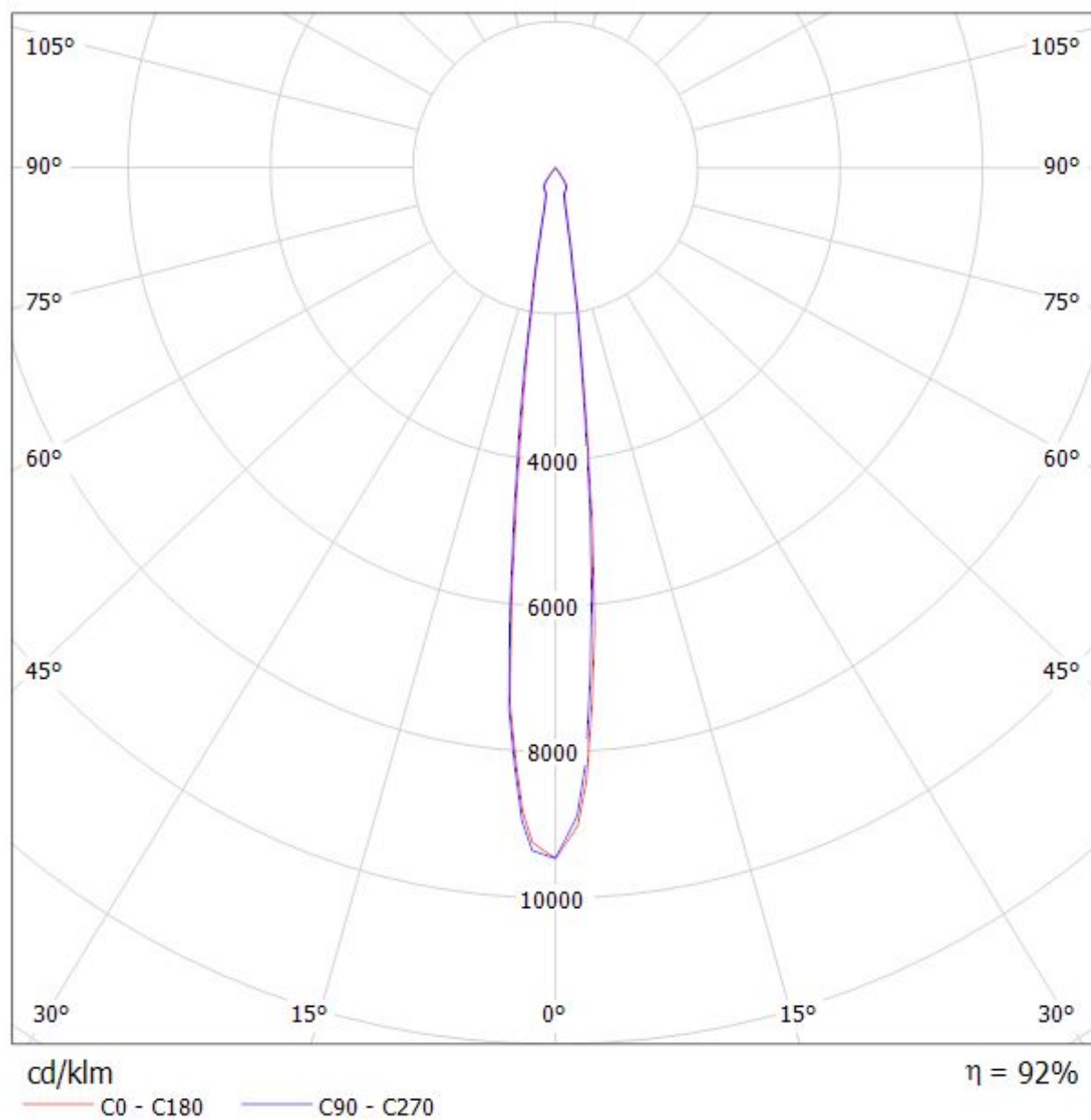


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(E30) Eff.91.2%
Lamps: 1 x Osram_Soleriq_E30_1364.86lm@250mA_P=10.2445W_I=249.8mA

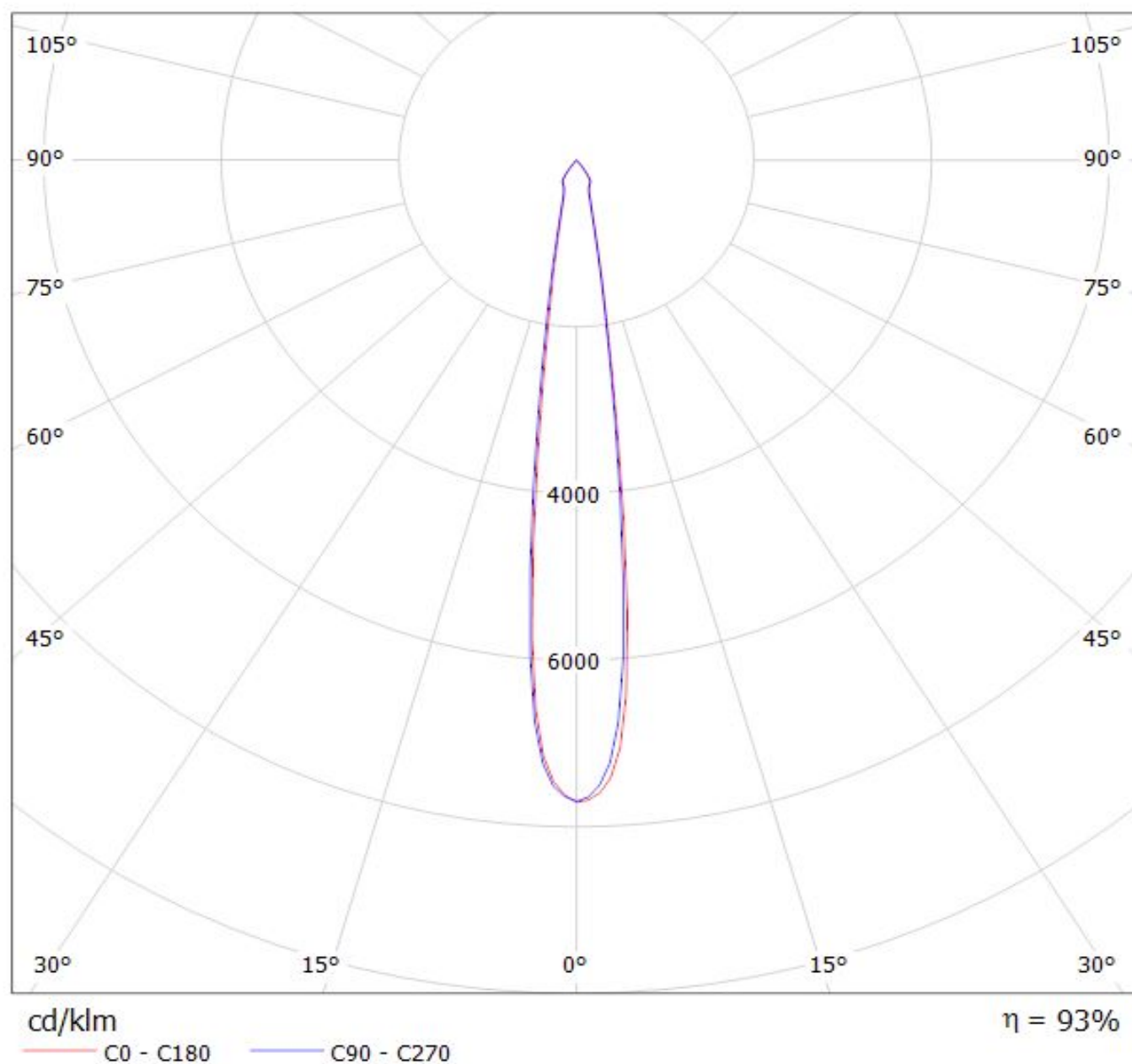


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(Luxeon_CoB_1211)

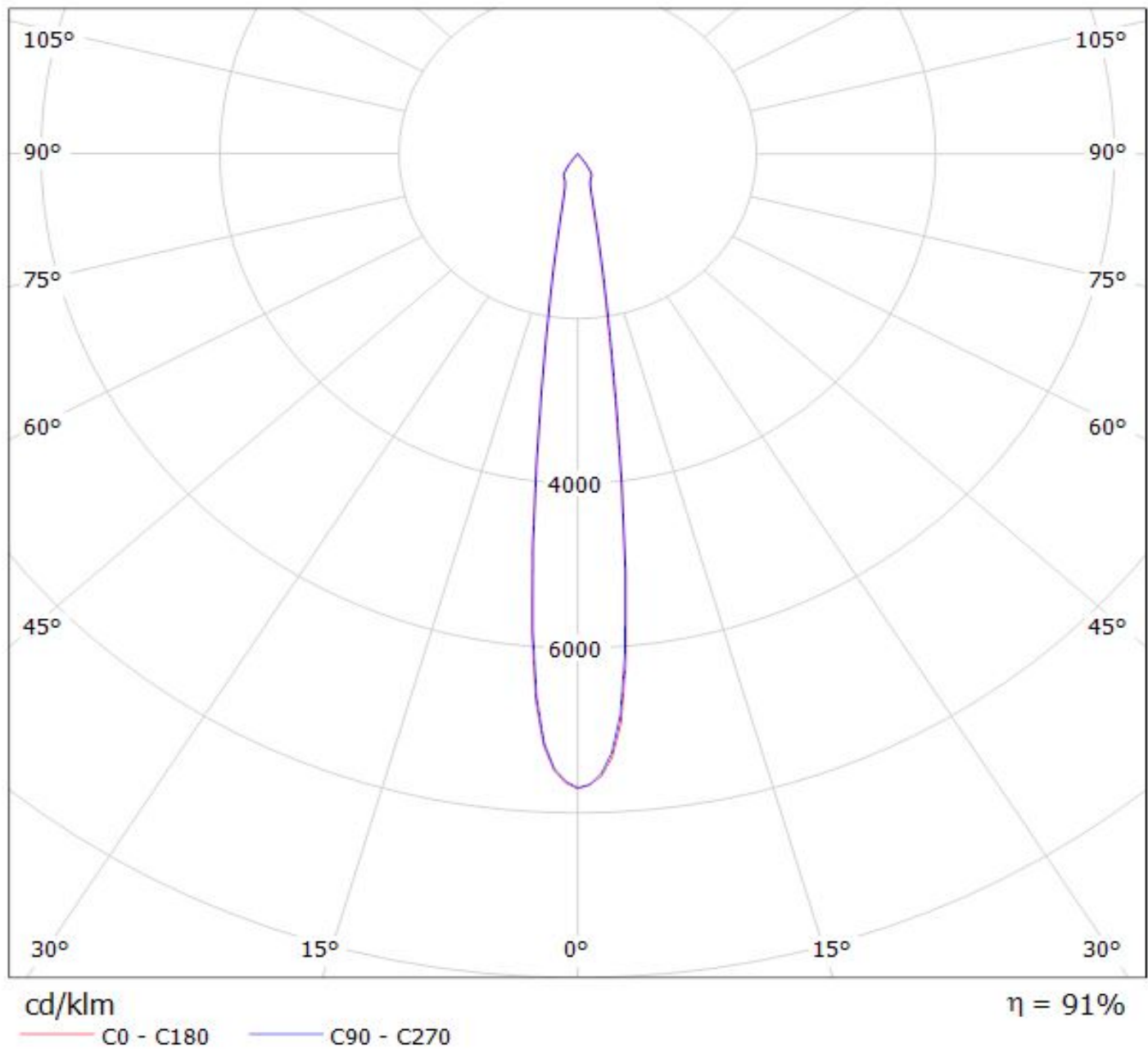
Lamps: 1 x LUXEON_COB_1211_(LHC1-2790-1211)_923.583lm@250mA_CCT=2700K_P=8.00909W_I=249.8mA



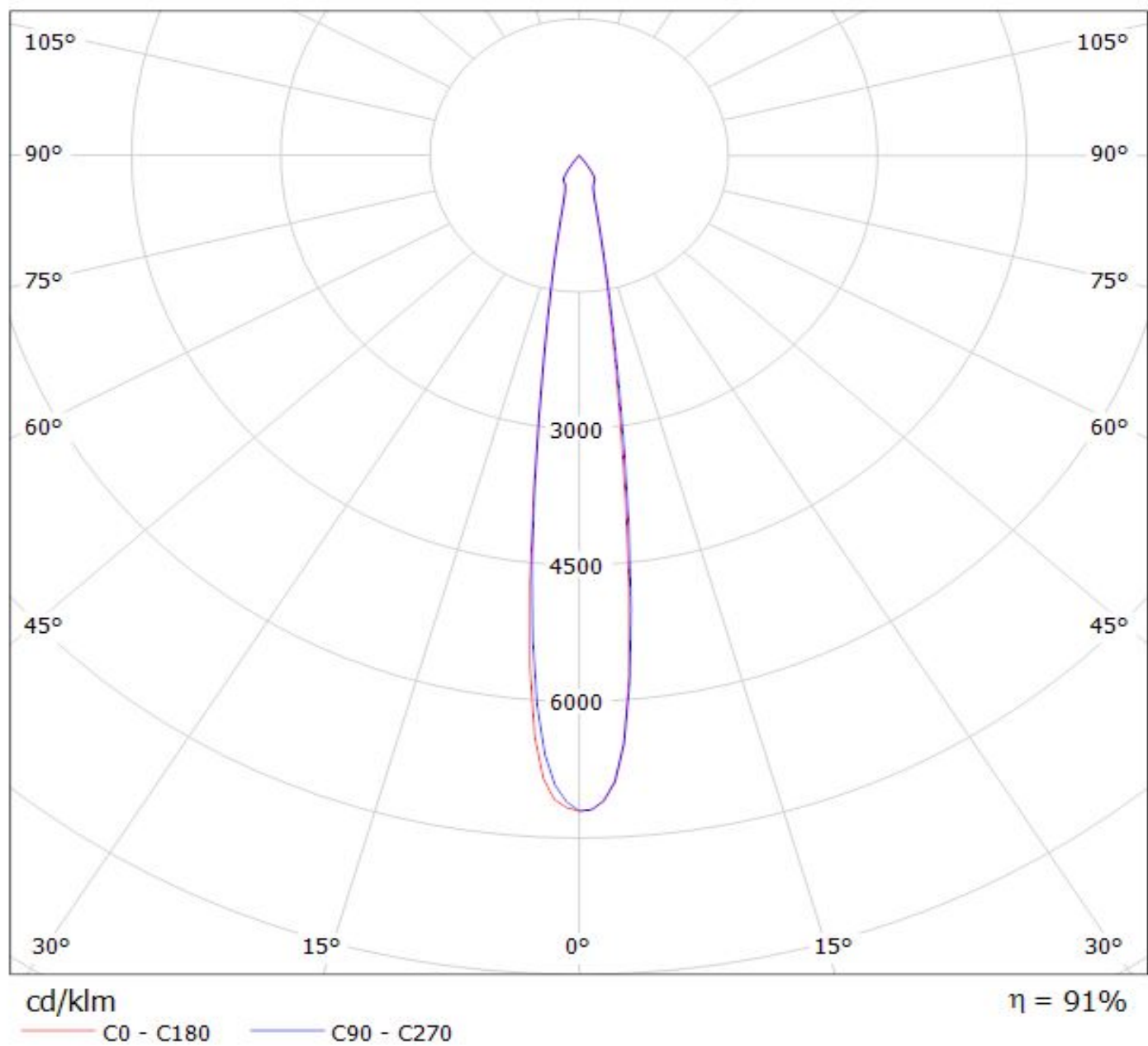
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(ZC-40) Eff.93.4%
Lamps: 1 x Seoul ZC-40_1183.63lm@250mA_P=8.42195W_I=249.9mA



Luminaire: LEDiL Oy F13662_ANGELA-S-B_(ZC40)
Lamps: 1 x SEOUL_ZC40_(SBWW5F1B)_1176.6lm@250mA_P=8.22171W_I=249.9mA

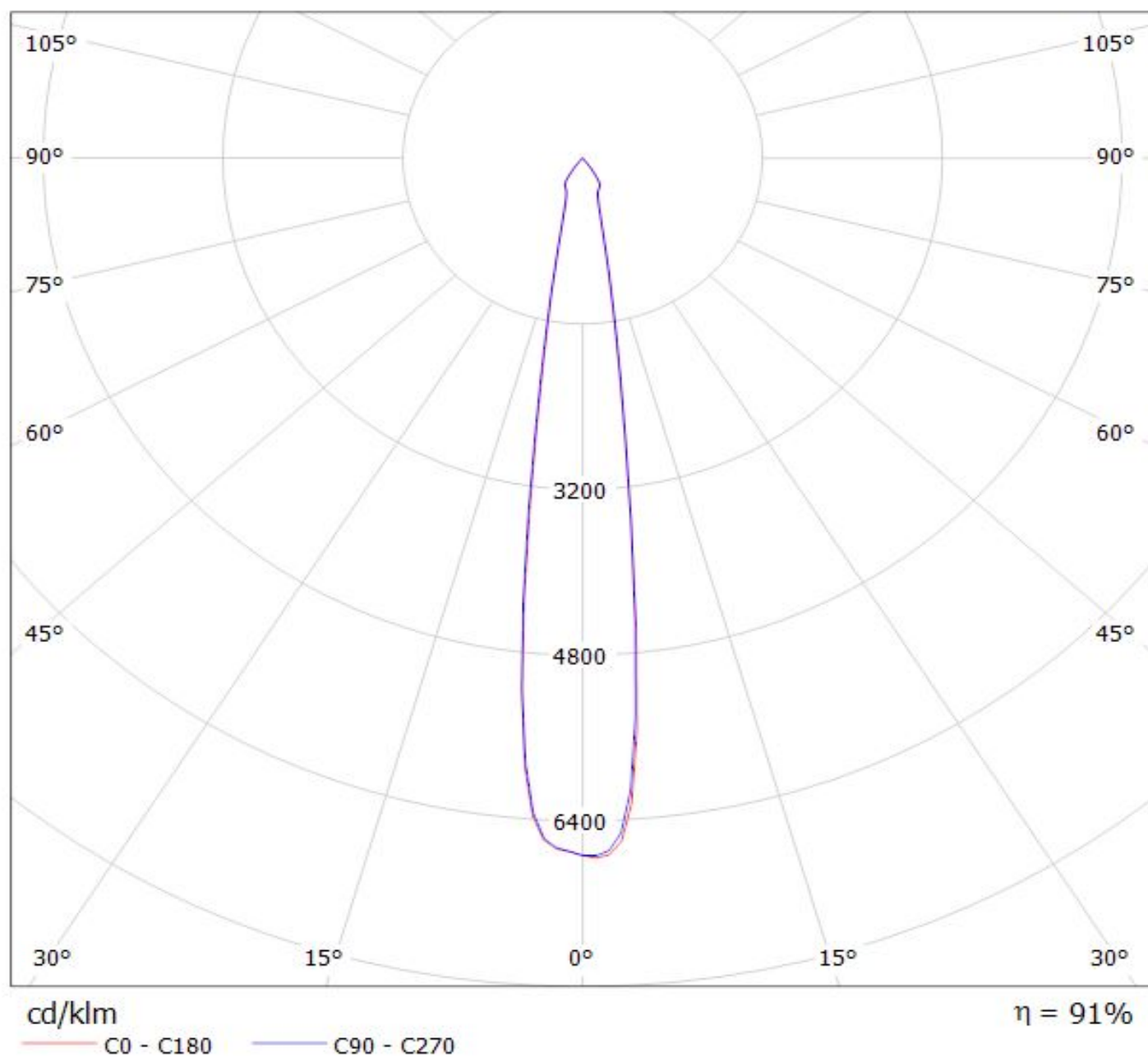


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CXA30)
Lamps: 1 x Cree_CXA30_(CXA3050-3C0-Y2-N0H)_1395.36lm@250mA_P=8.20318W_I=249.8mA



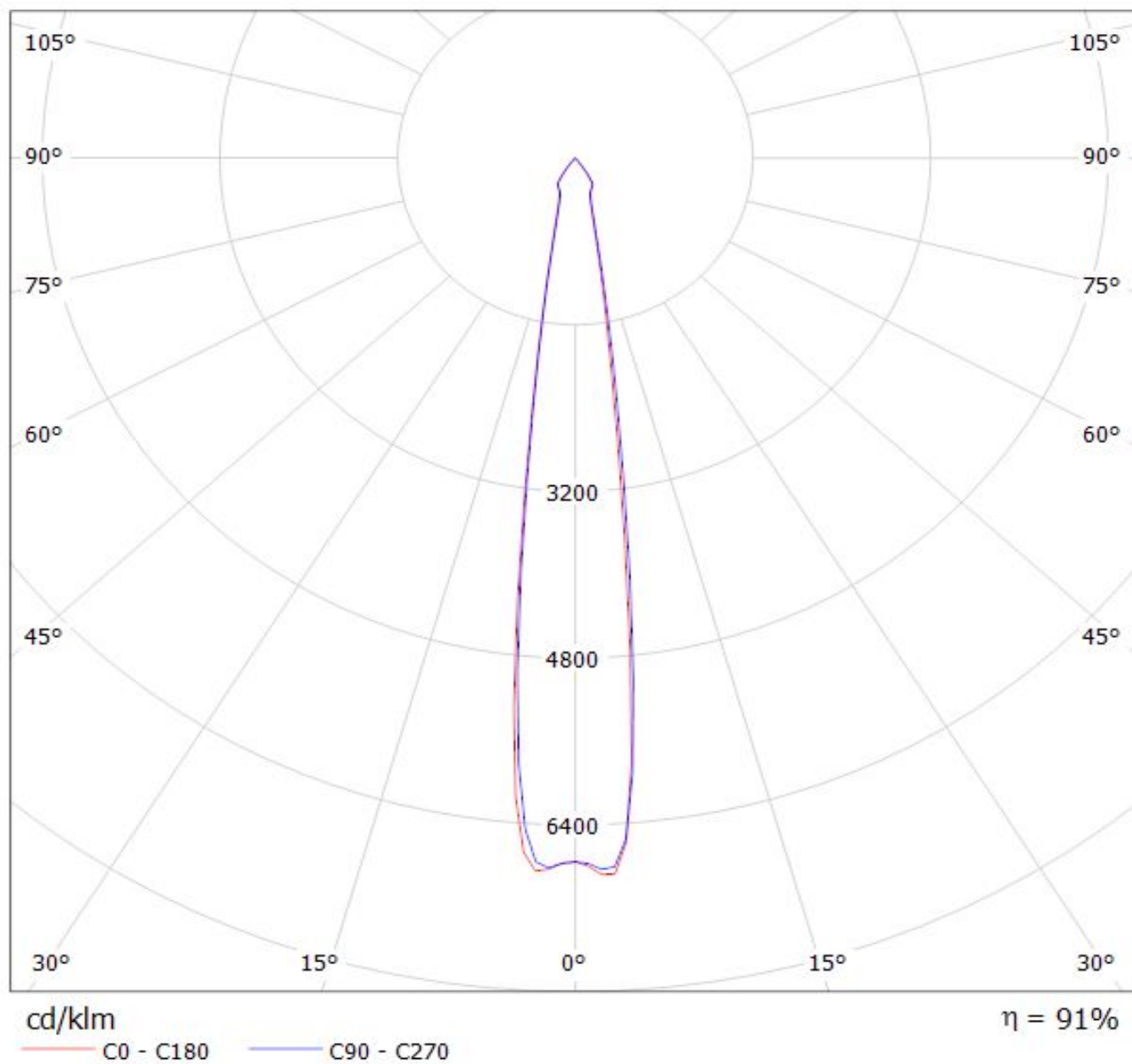
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(COB_40W)

Lamps: 1 x LG_COB_40W_1163.31lm@250mA_CCT=3000K_P=8.04906W_I=249.8mA

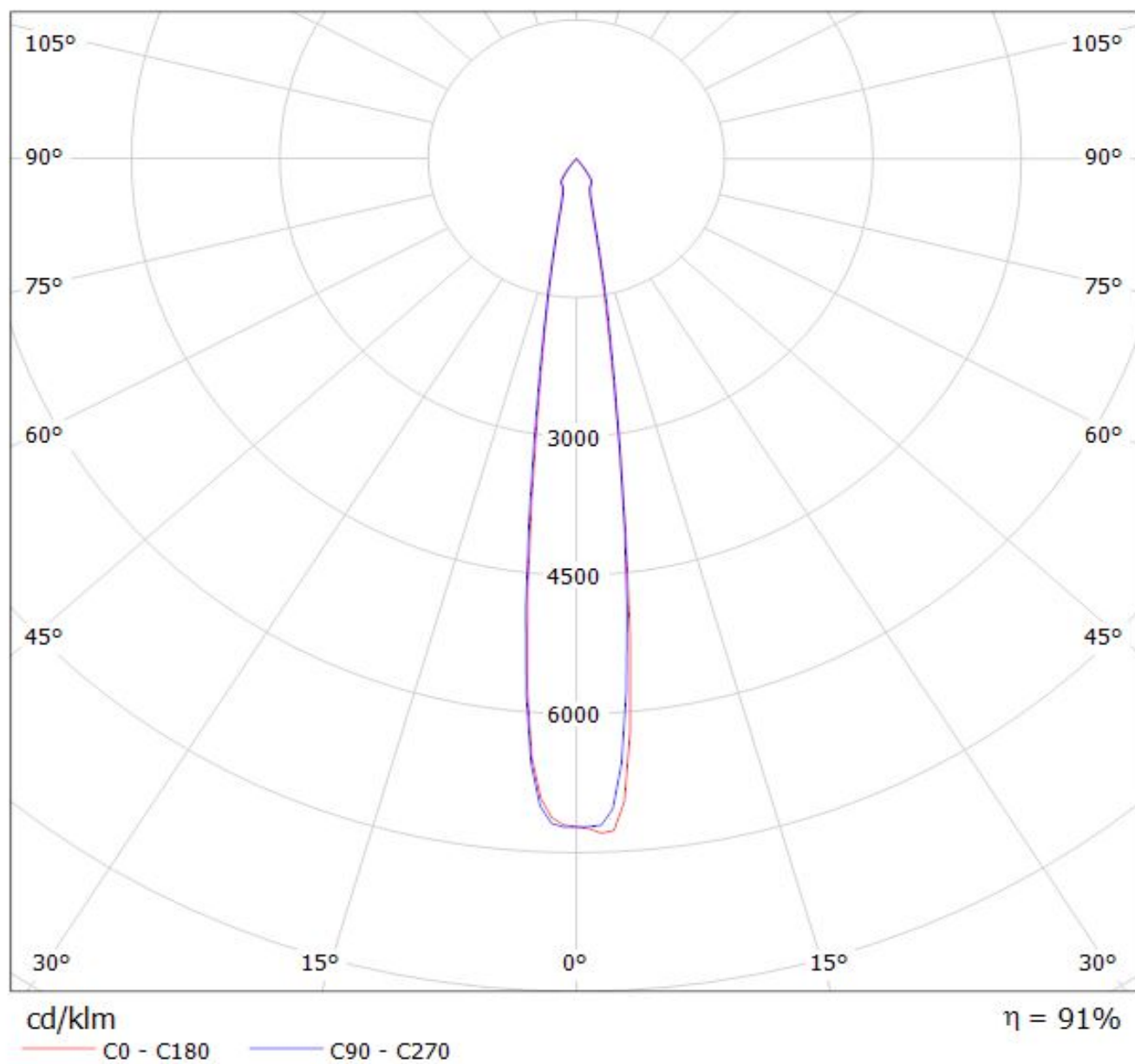


Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CLU044)

Lamps: 1 x Citizen_CLU044_(CLU044-1212B8-303M1A2)_1300.9lm@250mA_P=8.14849W_I=249.9mA



Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CLL040) Eff.91.6%
Lamps: 1 x Citizen_CLL040_1011.32lm@250mA_P=8.24545W_I=249.9mA



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.