

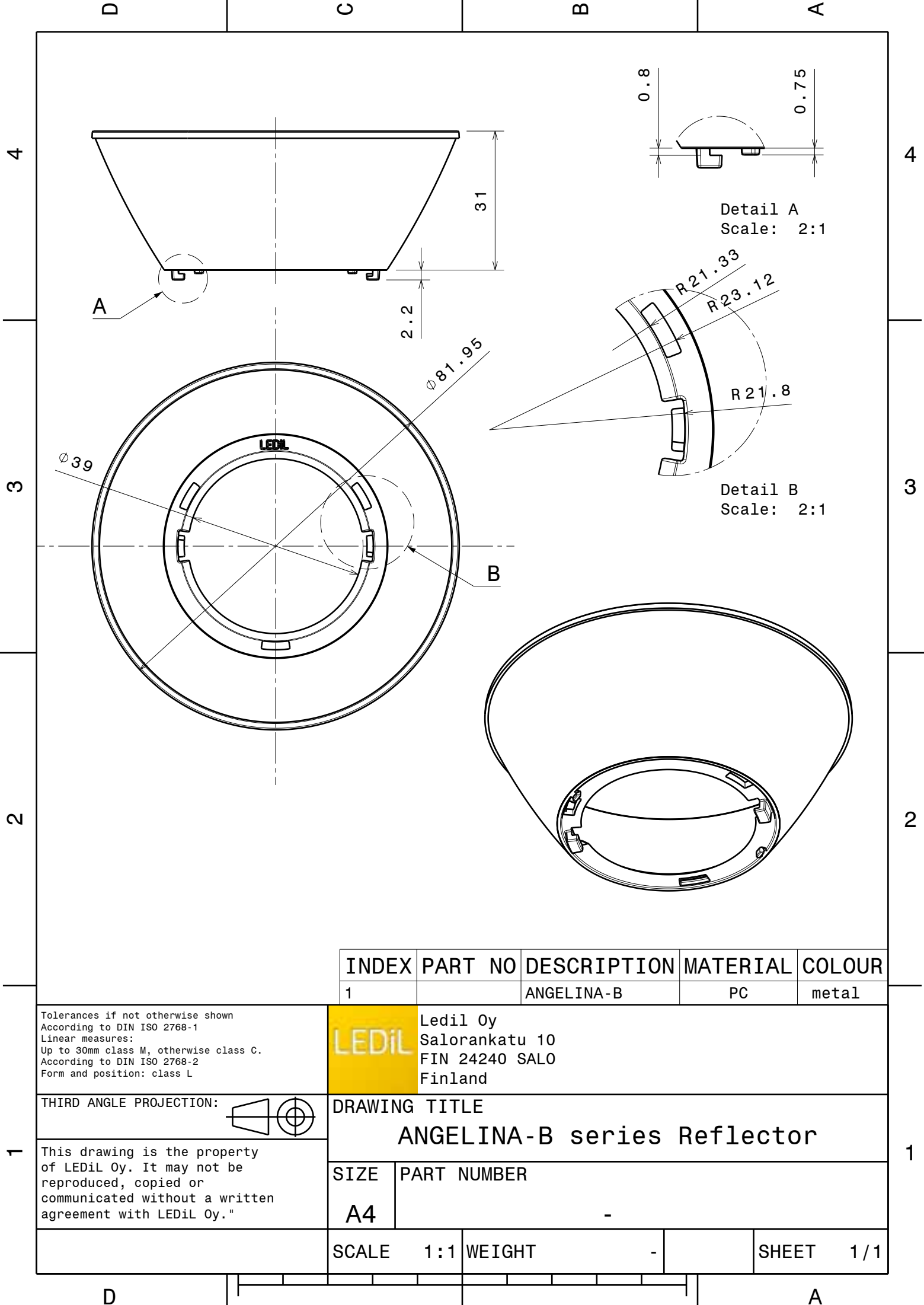
DETAILS

Product Number	F13660_ANGELINA-M-B
Family	ANGELINA
Type	Reflector
Color	metal
Diameter	82 mm
Height	31 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	
Status	ready
ROHS Compliant	Yes
Date Updated	16/01/2015



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
LUXEON K12	sim: 29	Medium	-	sim: 0.000	BJB: Solderless Connector 47.319.2070
CLU730	sim: 37	Medium	sim: 91 %	sim: 1.570	BJB: Solderless Connector 47.319.2030
CLL04x/CLU044	sim: 37	Medium	sim: 95 %	sim: 1.600	BJB: Solderless Connector 47.319.2030
CLU720	34 deg	Medium	94 %	1.400	BJB: Solderless Connector 47.319.2021
CLU720	35 deg	Medium	94 %	1.300	A.A.G. STUCCHI: 8101/G2
CLL03x/CLU034	37 deg	Medium	92 %	1.400	BJB: Solderless Connector 47.319.2021
Soleriq S13 Gen2	37 deg	Medium	93 %	0.920	BJB: Solderless Connector 47.319.2021
COB 10W/13W/17W/24W	37 deg	Medium	94 %	1.280	A.A.G. STUCCHI: 8600/G2
SLE G4 LES19 H	37 deg	Medium	92 %	1.300	-
Soleriq S13	37 deg	Medium	94 %	1.270	A.A.G. STUCCHI: 8502/G2
LUXEON CoB 1204/1205	38 deg	Medium	94 %	1.260	A.A.G. STUCCHI: 8301/G2
COB 10W/13W/17W/24W	38 deg	Medium	93 %	1.300	BJB: Solderless Connector 47.319.2080
BXRA ES Rectangle	38 deg	Medium	92 %	1.320	BJB: Solderless Connector 47.319.2040
Soleriq P13	39 deg	Medium	94 %	1.230	A.A.G. STUCCHI: 8502/G2
LUXEON CoB 1208	39 deg	Medium	94 %	1.230	A.A.G. STUCCHI: 8301/G2
CLL03x/CLU034	39 deg	Medium	94 %	1.220	A.A.G. STUCCHI: 8101/G2
CLL04x/CLU044	39 deg	Medium	94 %	1.200	A.A.G. STUCCHI: 8102/G2
ZC12/18	39 deg	Medium	93 %	1.230	A.A.G. STUCCHI: 8101/G2
CXM-14	40 deg	Medium	94 %	1.300	BJB: Solderless Connector 47.319.2021
Mega Zenigata (GW6DME)	40 deg	Medium	94 %	1.210	A.A.G. STUCCHI: 8301/G2
Soleriq S19	41 deg	Medium	93 %	1.200	A.A.G. STUCCHI: 8503/G2
STARK SLE PURE G3 LES17	41 deg	Medium	94 %	1.170	A.A.G. STUCCHI: 8101/G2
Soleriq S19	41 deg	Medium	94 %	1.170	BJB: Solderless Connector 47.319.2170
SLE G4 LES23 H	42 deg	Medium	92 %	1.200	-
CXA/B 25xx	42 deg	Medium	93 %	1.140	A.A.G. STUCCHI: 8401/G2



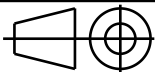
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1		ANGELINA-B	PC	metal

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

THIRD ANGLE PROJECTION:



DRAWING TITLE

ANGELINA-B series Reflector

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of LEDiL Oy. It may not be
reproduced, copied or
communicated without a written
agreement with LEDiL Oy."

SIZE

A4

PART NUMBER

-

SCALE

1:1

WEIGHT

-

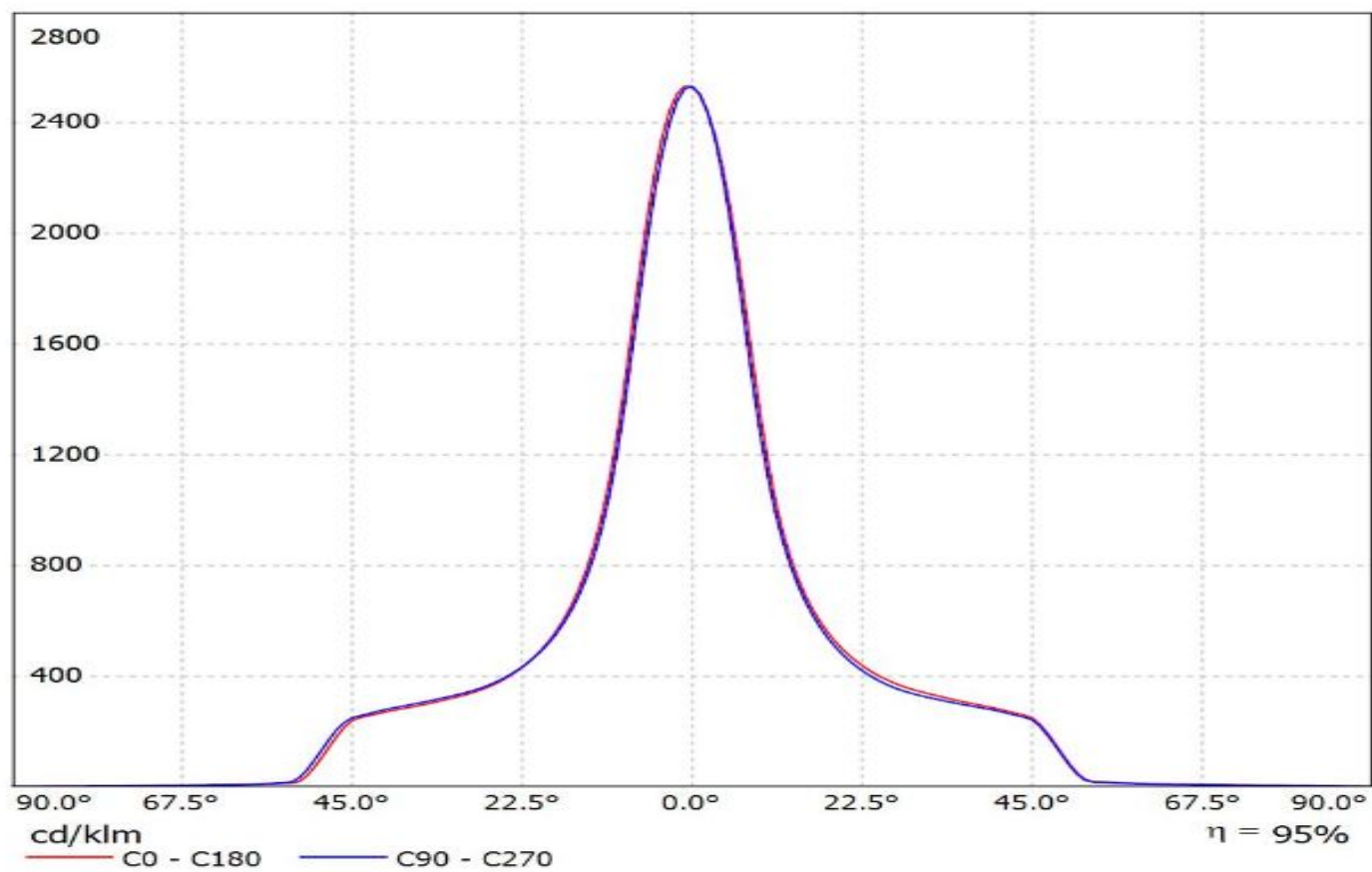
SHEET

1/1

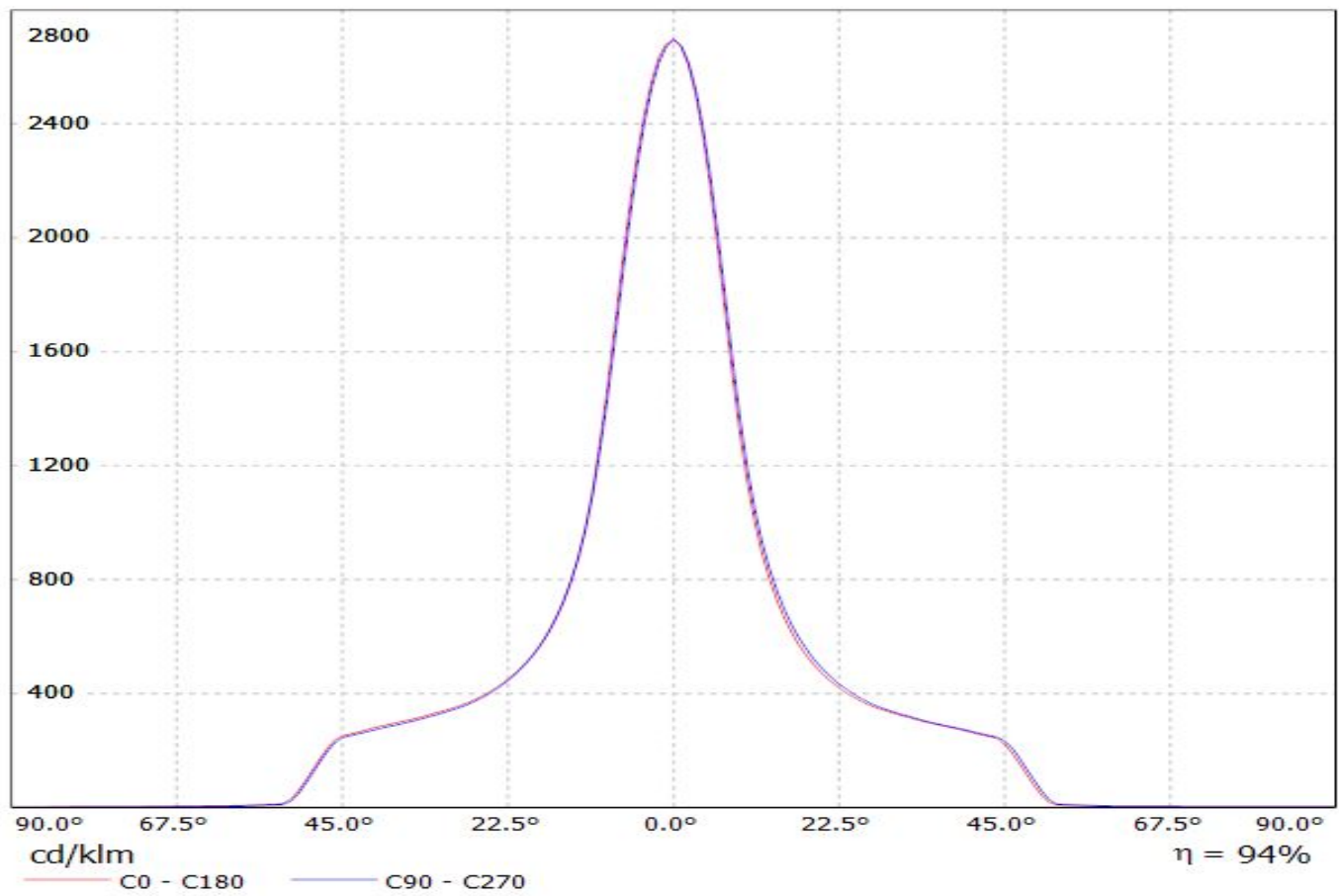
D

A

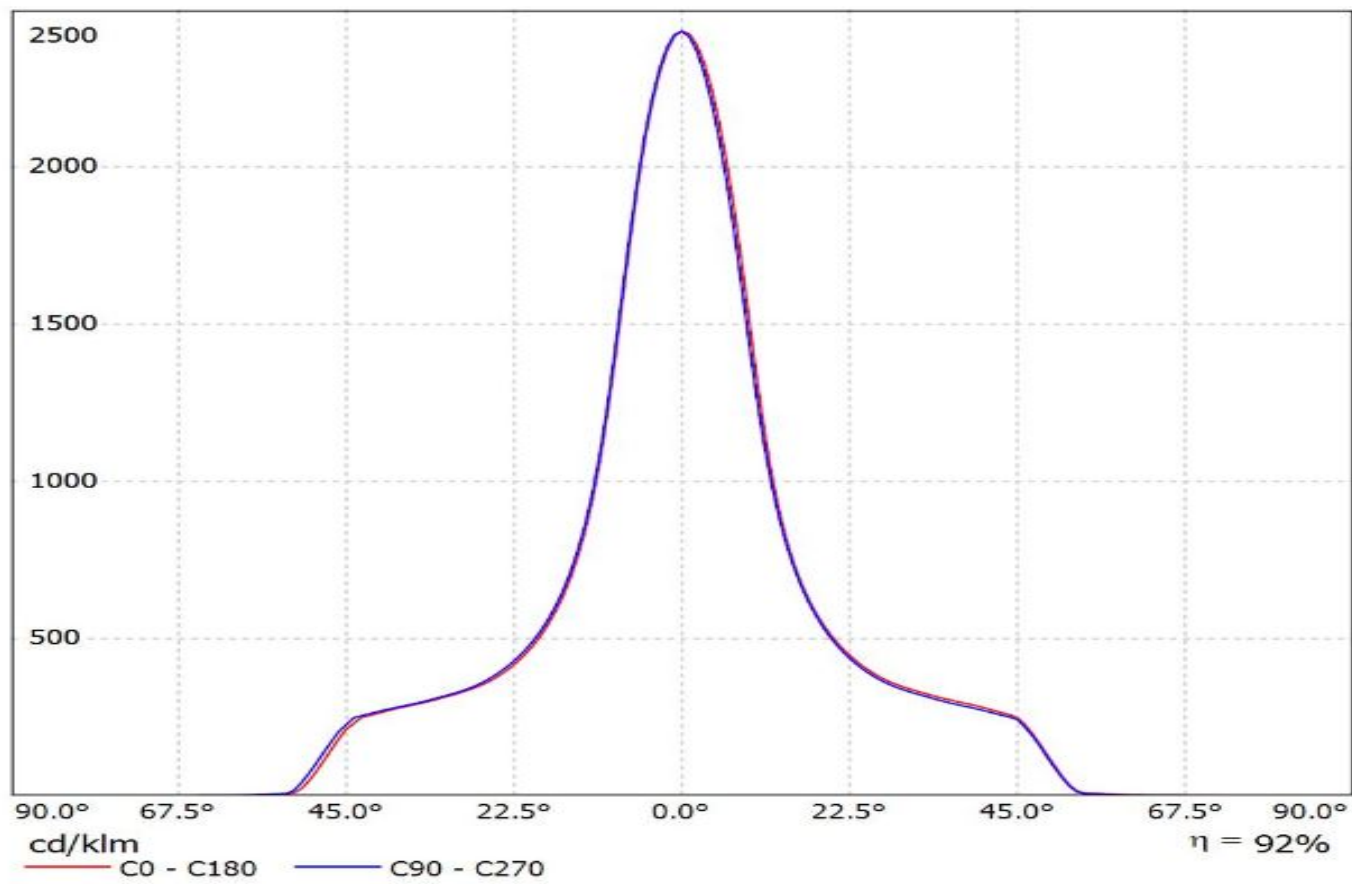
Luminaire: Ledil F13659_ANGELINA-S-B (CITIZEN_CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1320.42lm@250mA_CCT=2700K_P=8.35W_I=0.25A



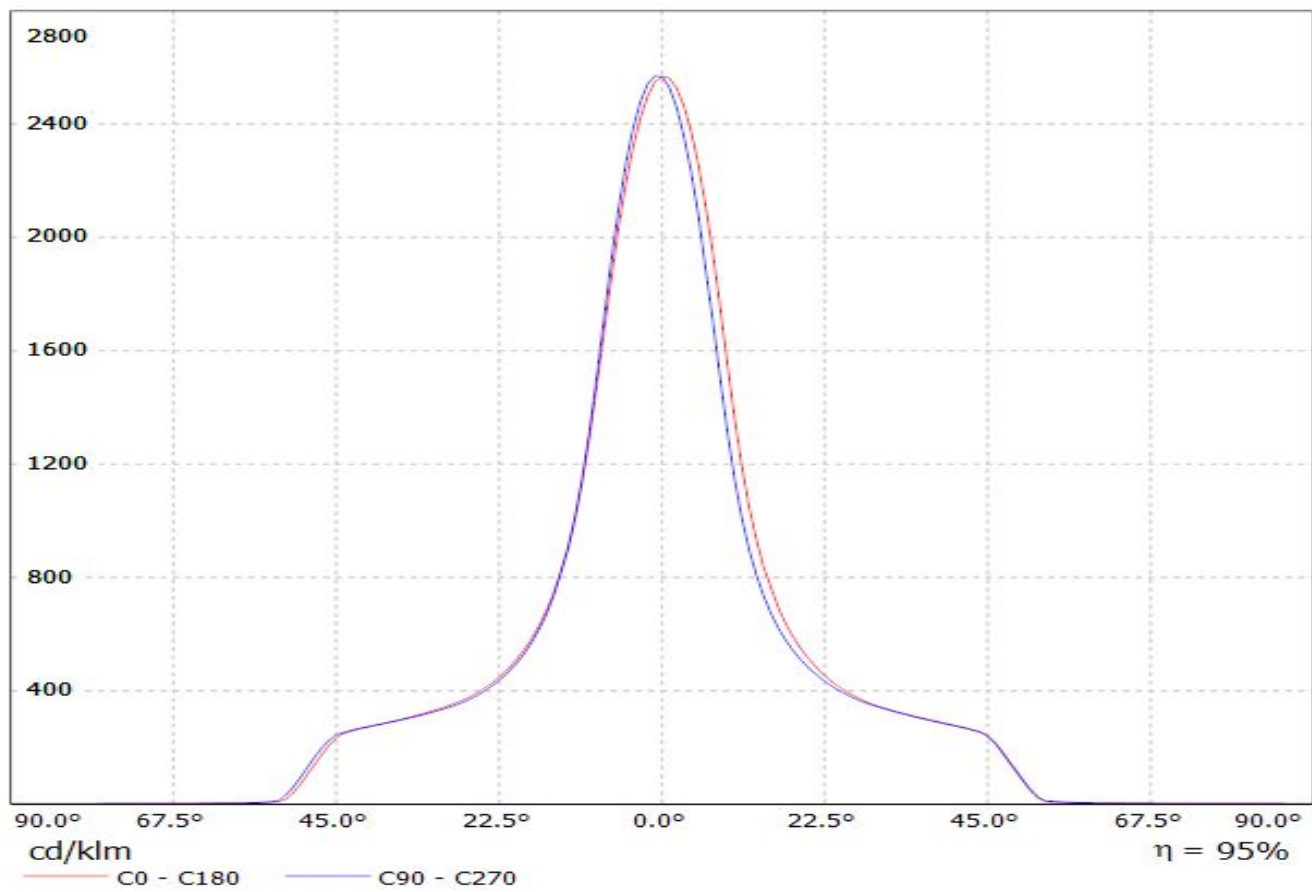
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CITIZEN_CLU720)
Lamps: 1 x CITIZEN_CLU720_(BJB: 47.319.2020)_1214.68lm@250mA_CCT=2700K_P=8.31842W_I=0.25A



Luminaire: Ledil F13659_ANGELINA-S-B_(Soleriq_S13_G2)
Lamps: 1 x Osram_Soleriq_S13_G2_(GW_KAGHB2.EM)1353.18lm@250mA_P=8.46W_I=0.25A

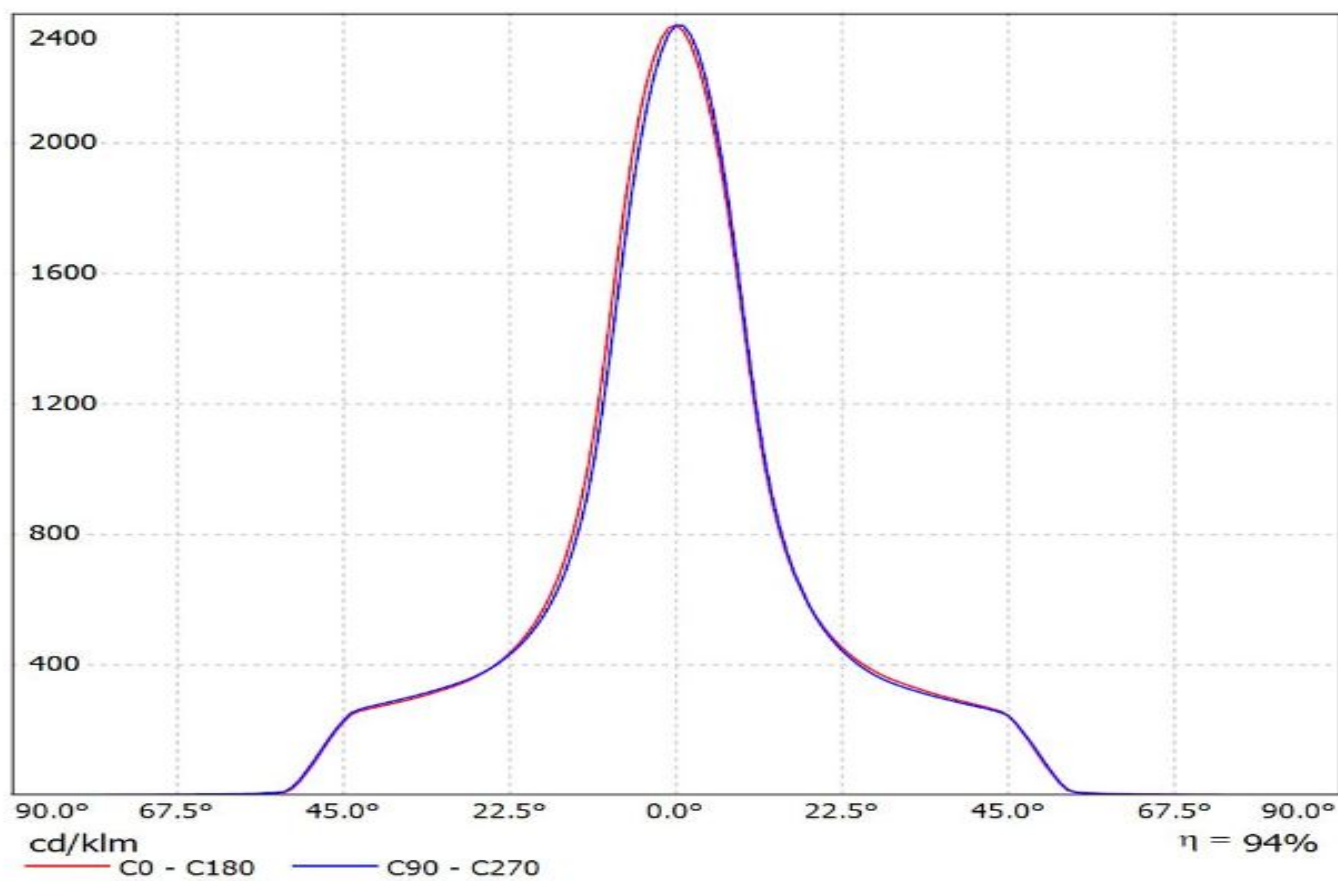


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(Soleriq_S13) Eff.94.0%
Lamps: 1 x Osram_Soleriq_S13_825.418lm@250mA_CCT=3125K_P=7.33663W_I=249.8mA

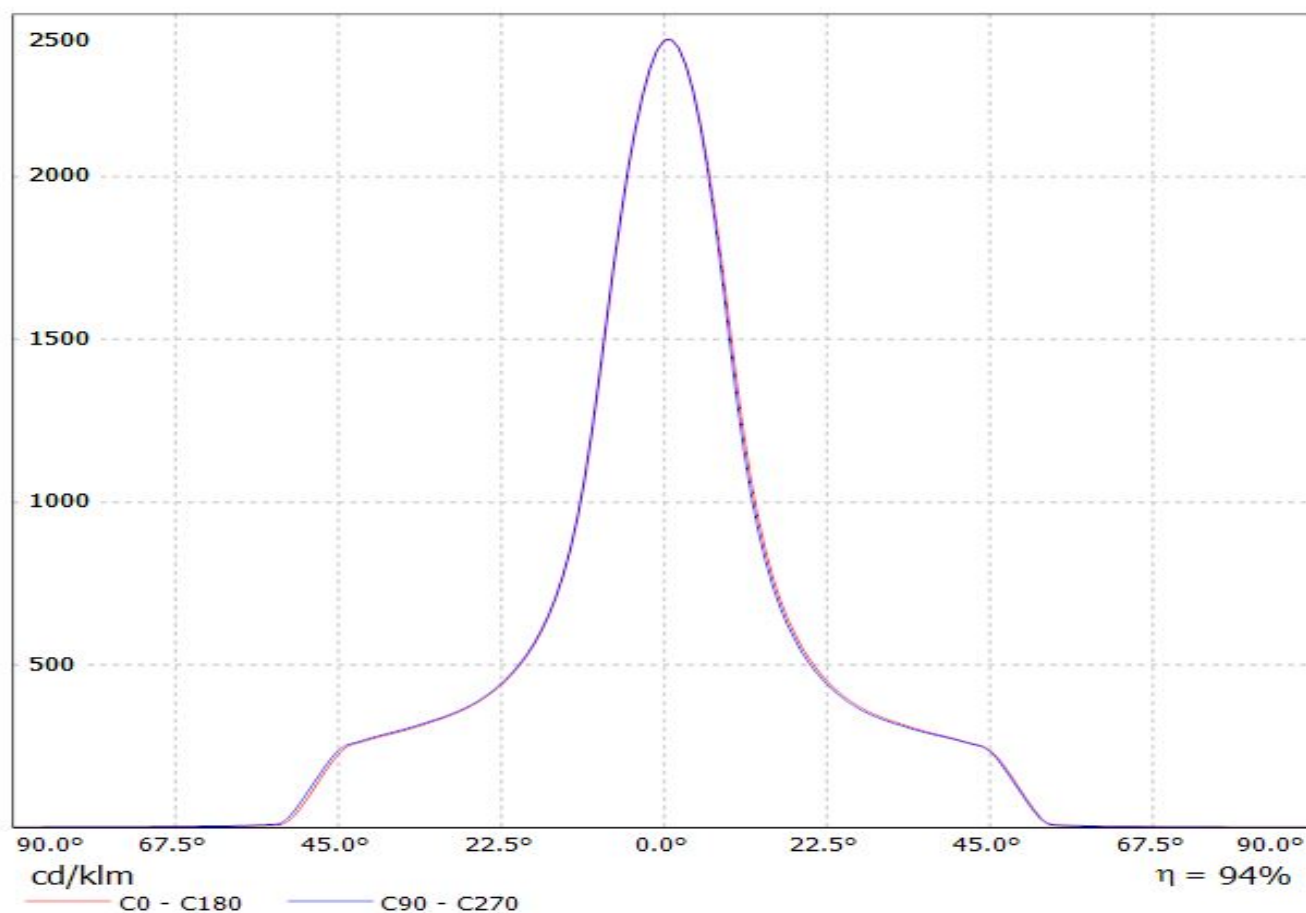


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(SOLERIQ_P13)

Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_1053.65lm@250mA_CCT=3000K_P=8.82044W_I=249.8mA

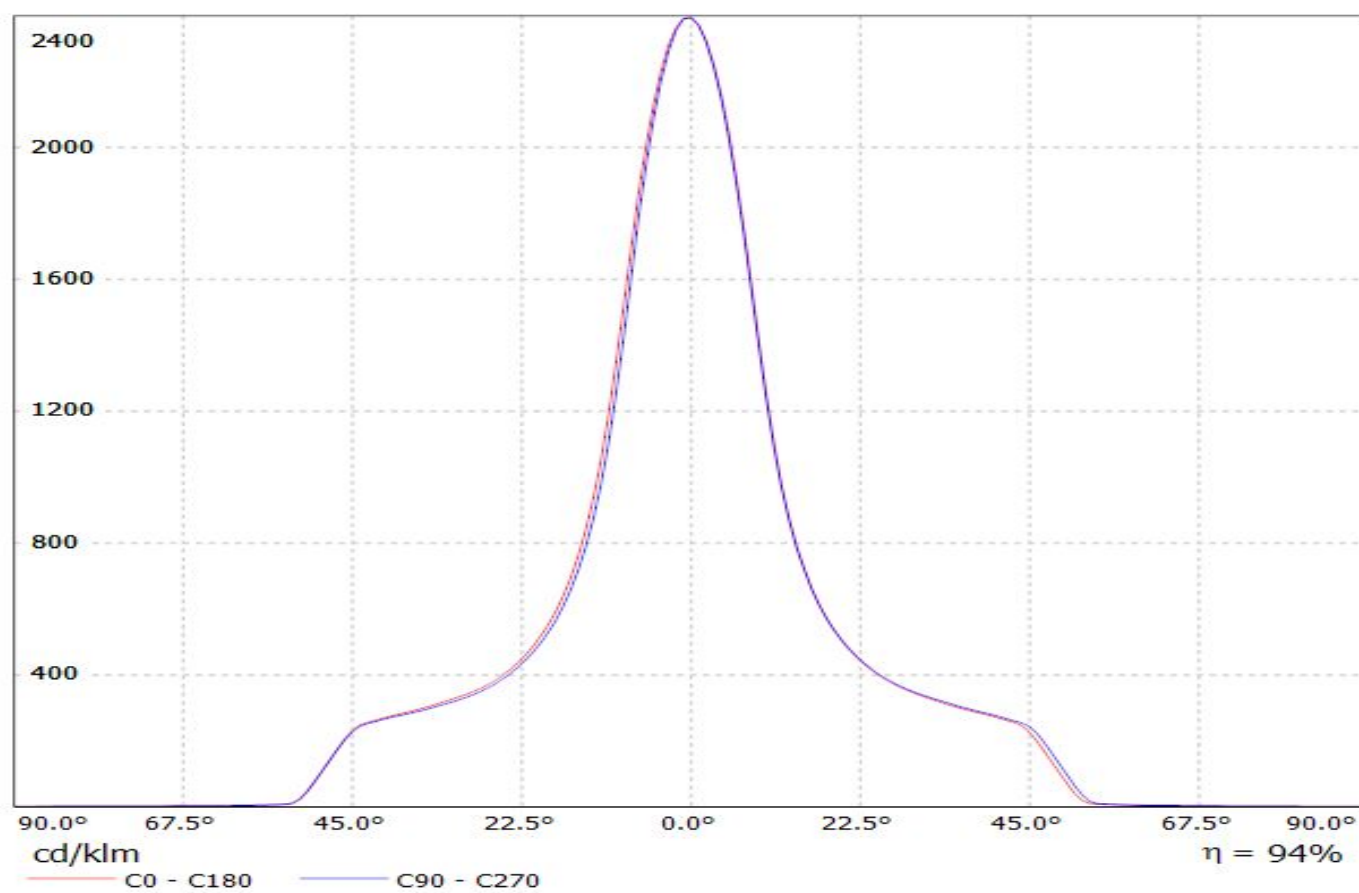


Luminaire: LEDiL Oy F13659_ANGELINA-S-B (Luxeon_CoB_1205)
Lamps: 1 x LUXEON_COB_1205_(LHC1-3080-1205)_1115lm@250mA_CCT=3000K_P=11.183W_I=249.8mA



Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(LG_COB_10W)

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

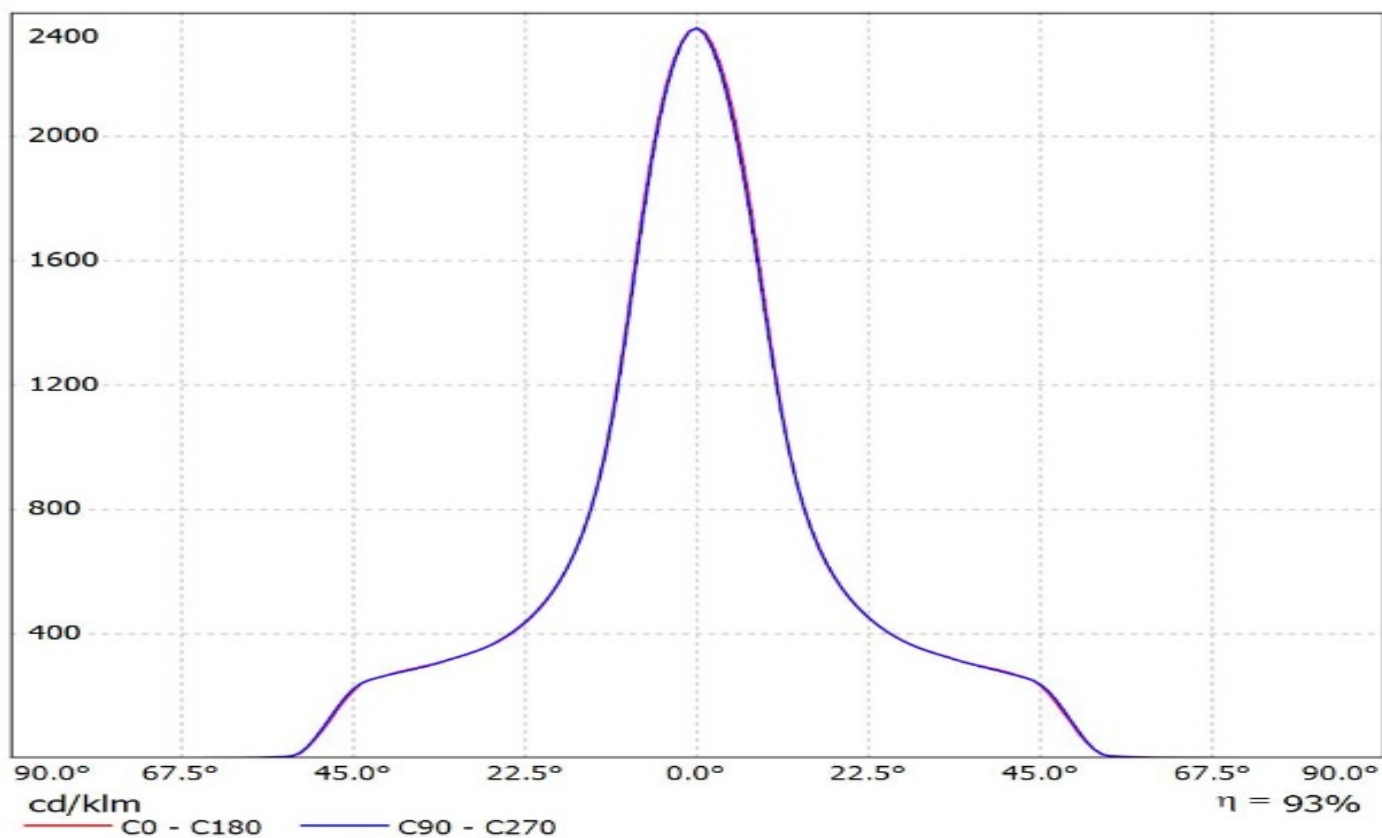


Ledil F13659_ANGELINA-S-B_(COB_10W)_(BJB_47_319_2080) / LDC (Linear)

Luminaire: Ledil F13659_ANGELINA-S-B_(COB_10W)_(BJB_47_319_2080)

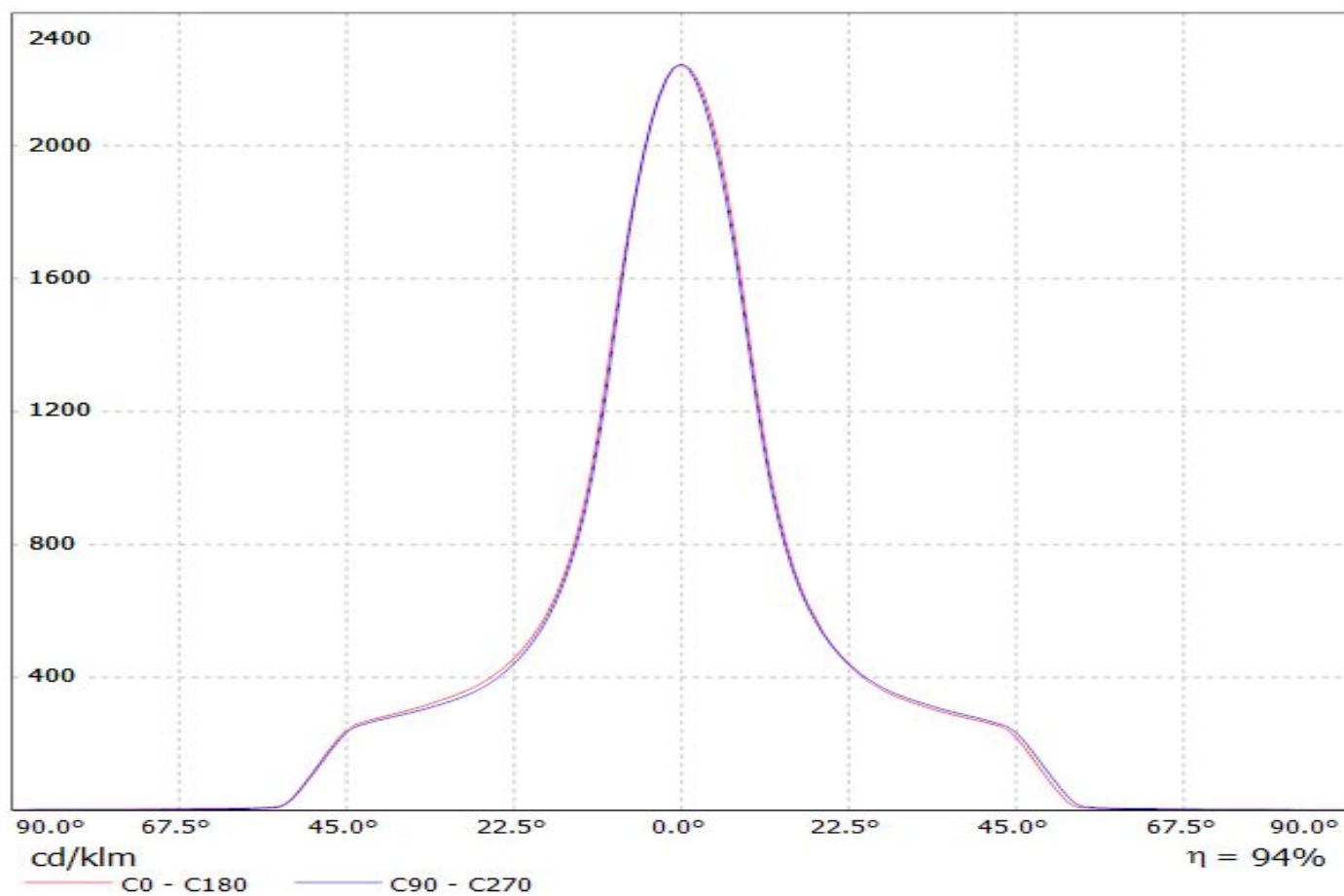
Lamps: 1 x LG_COB_10W_(LEMWM18580LG00)_(BJB_47_319_2080)

_947.453lm@250mA_P=9.342W_I=0.250A



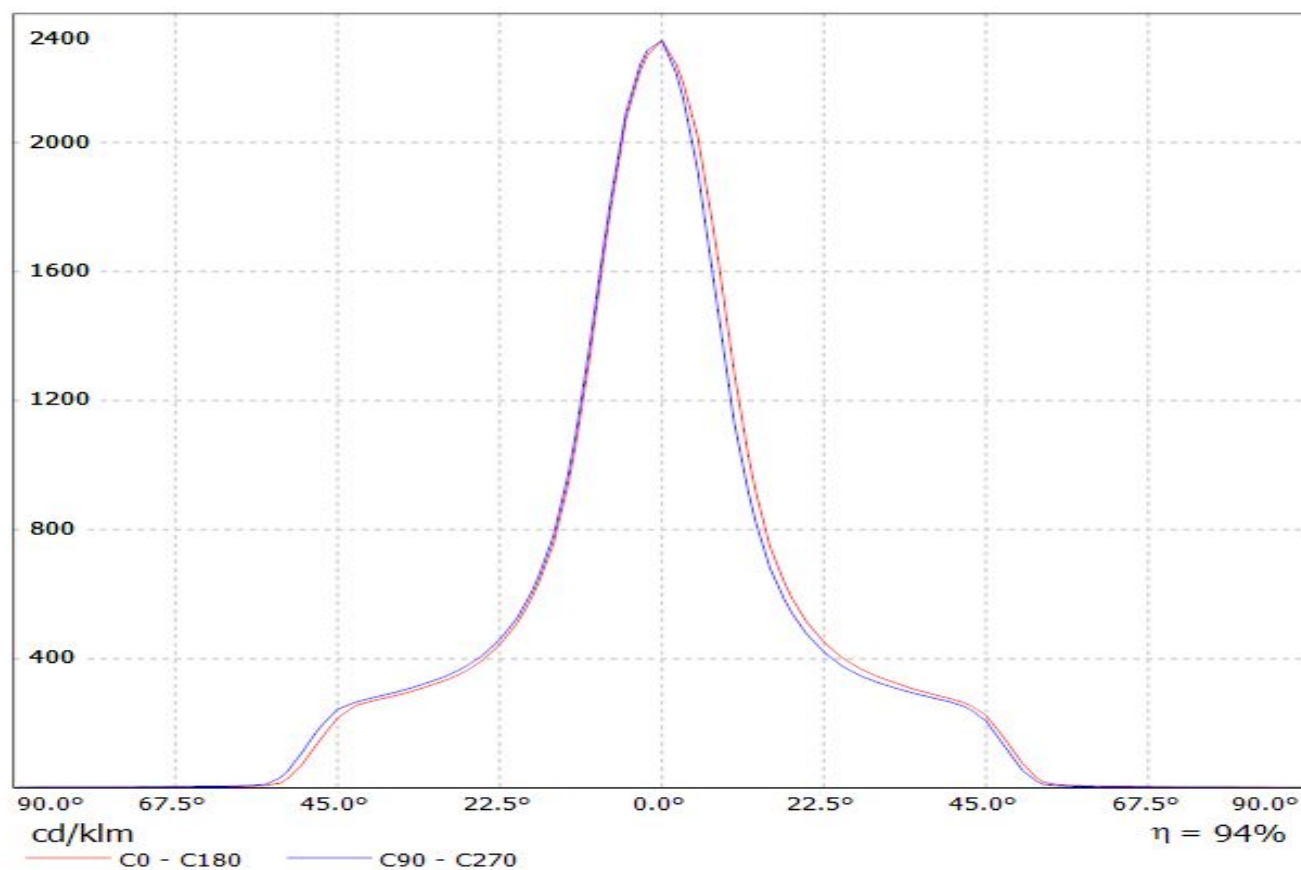
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CLU034)

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

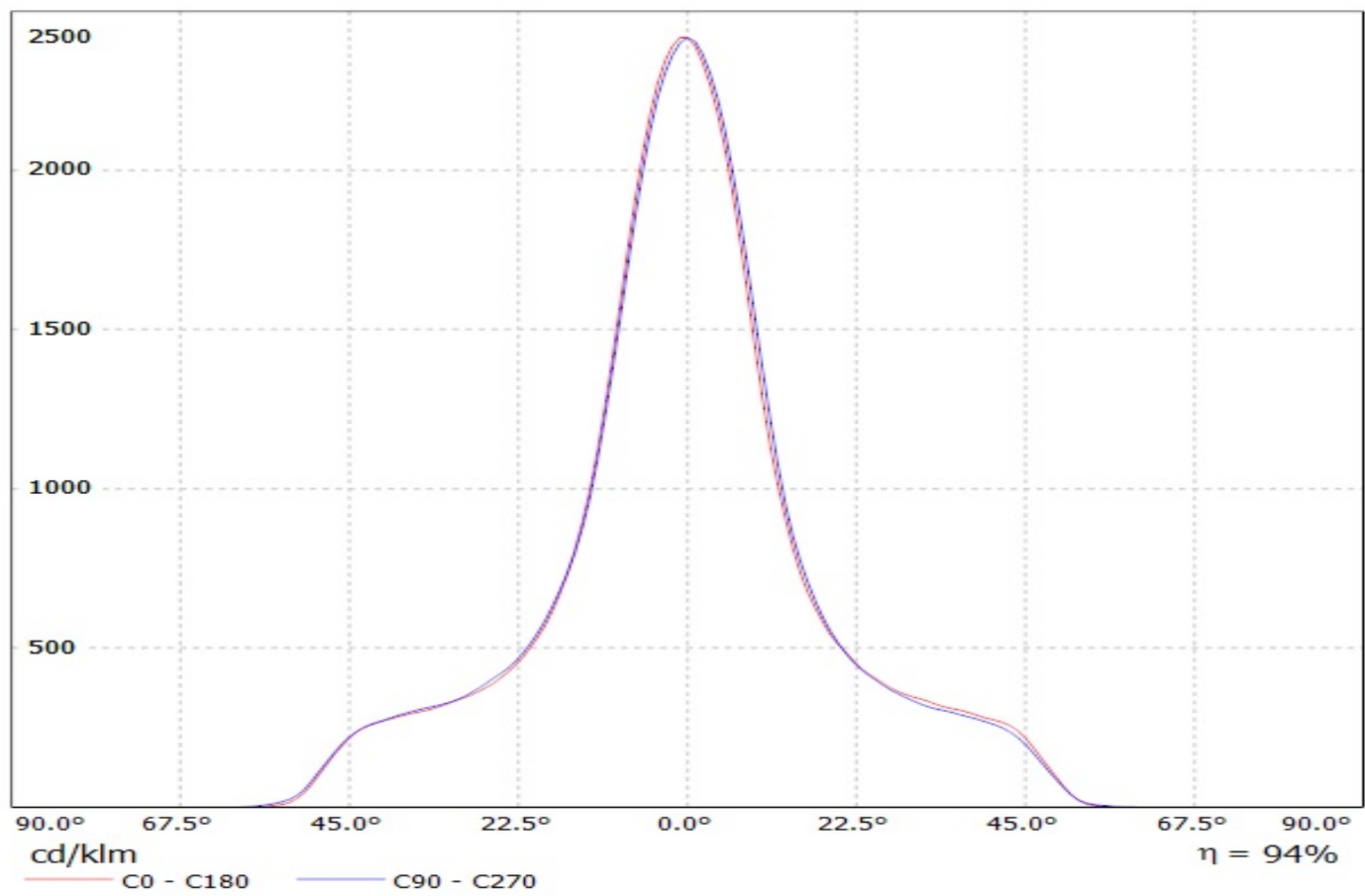


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(ZC12)

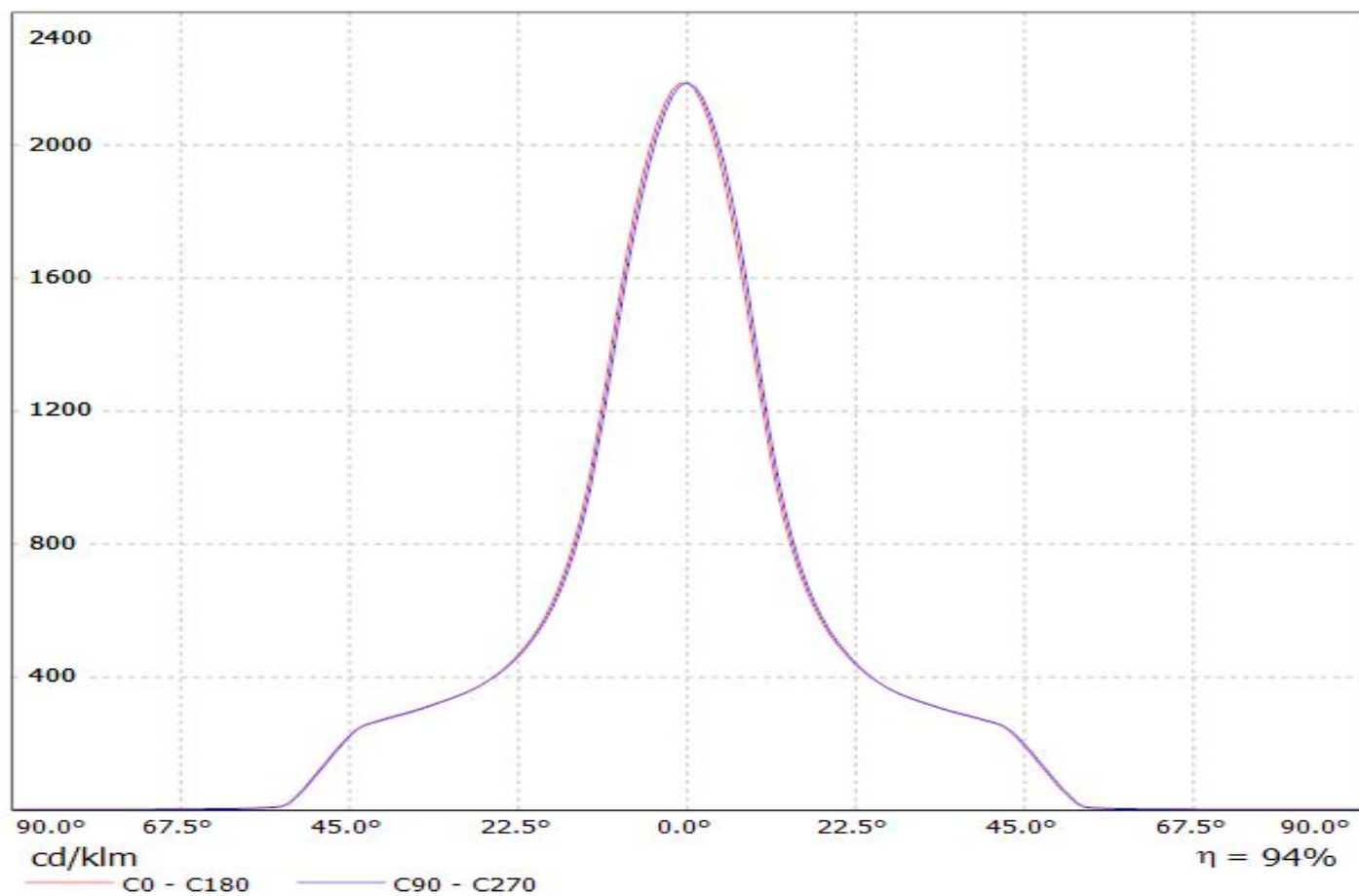
Lamps: 1 x SEOUL_ZC12_(SDW82F1C)_1240.73lm@250mA_P=8.68405W_I=249.8mA



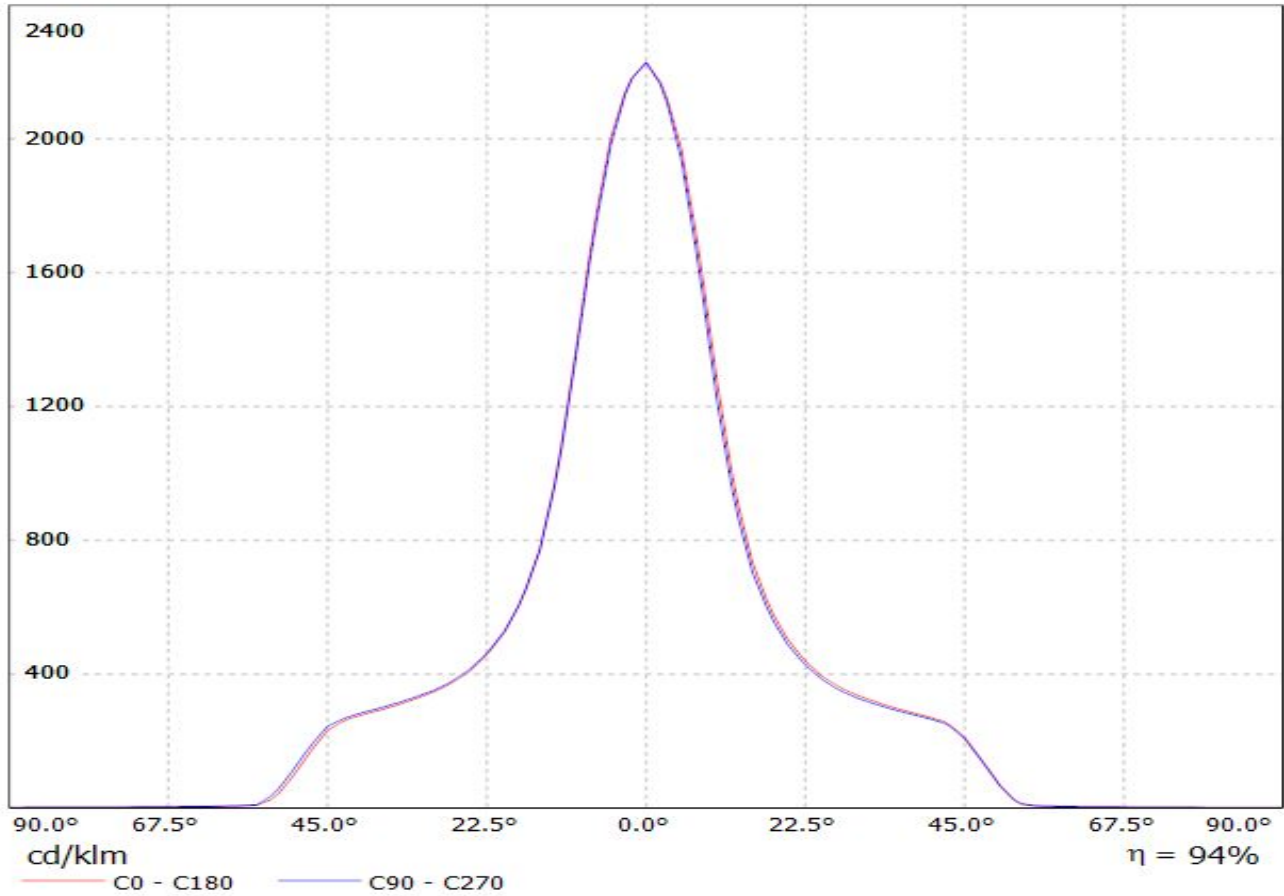
Luminaire: LEDil Oy F13659_ANGELINA-S-B_(CXM-14)
Lamps: 1 x Luminus CXM-14 (1078.95lm @ 250mA) CCT=3100K P=8.5W I=250mA



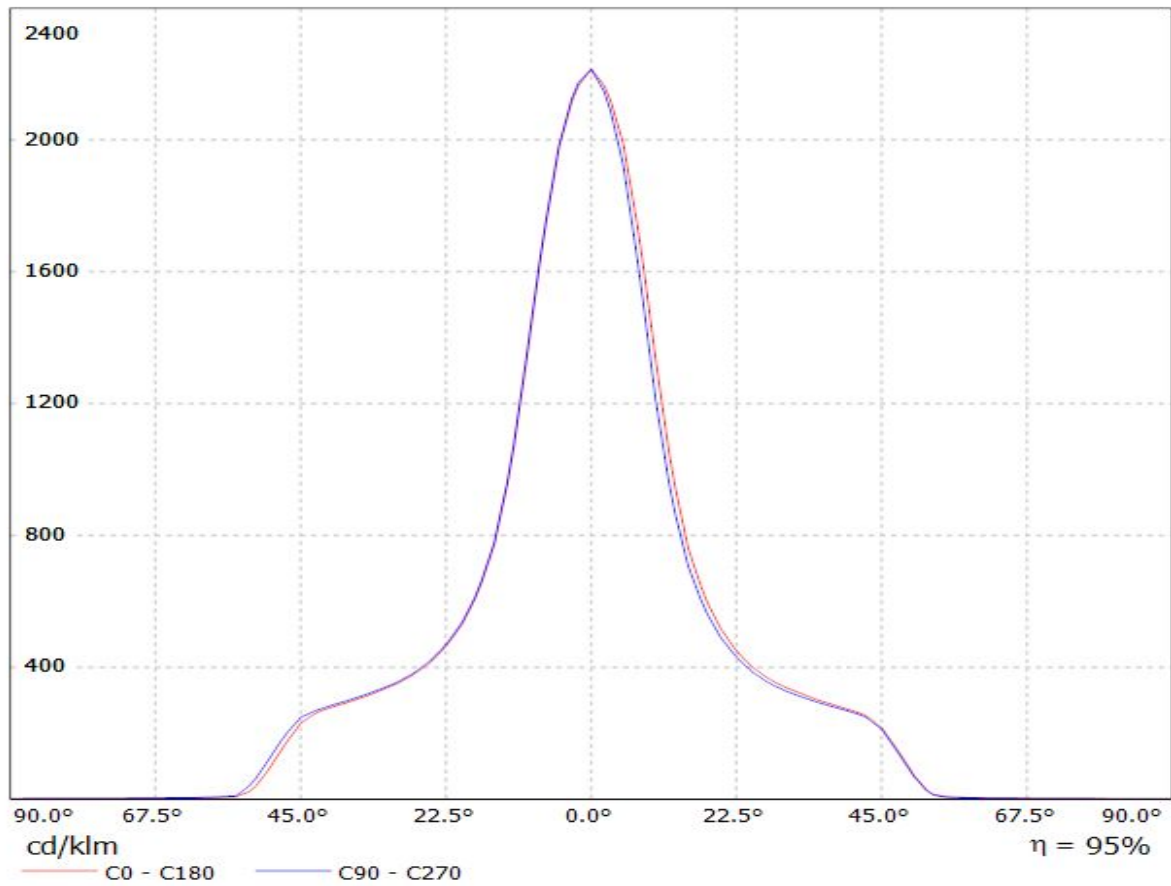
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(S19) Eff.93.7%
Lamps: 1 x Osram_SOLERIQ_S19_1434.85lm@250mA_P=10.5595W_I=249.8mA



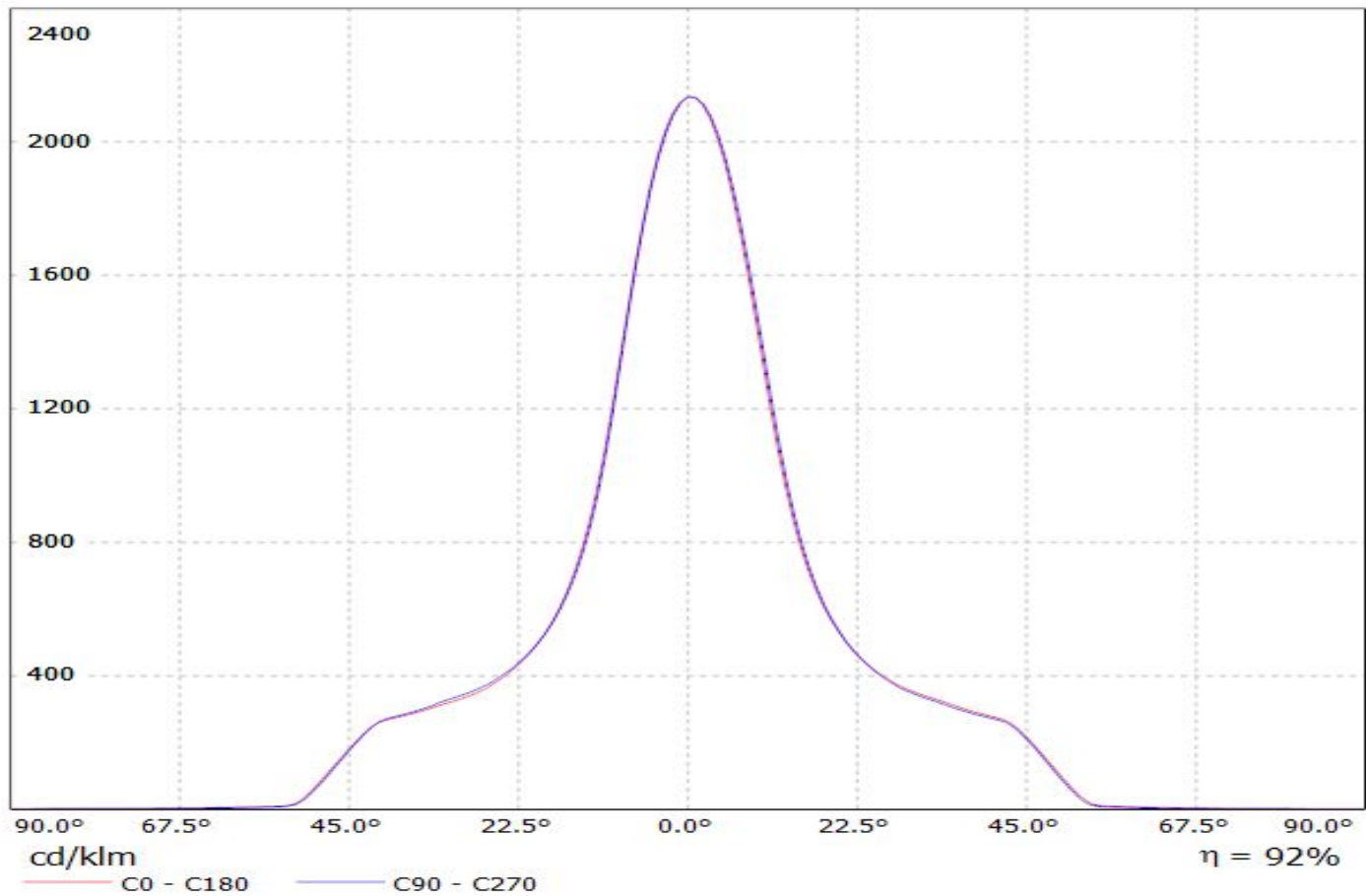
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(Luxeon_CoB_1208)
Lamps: 1 x Luxeon_CoB_1208_1057.71lm@250mA_P=8.26438W_I=249.8mA



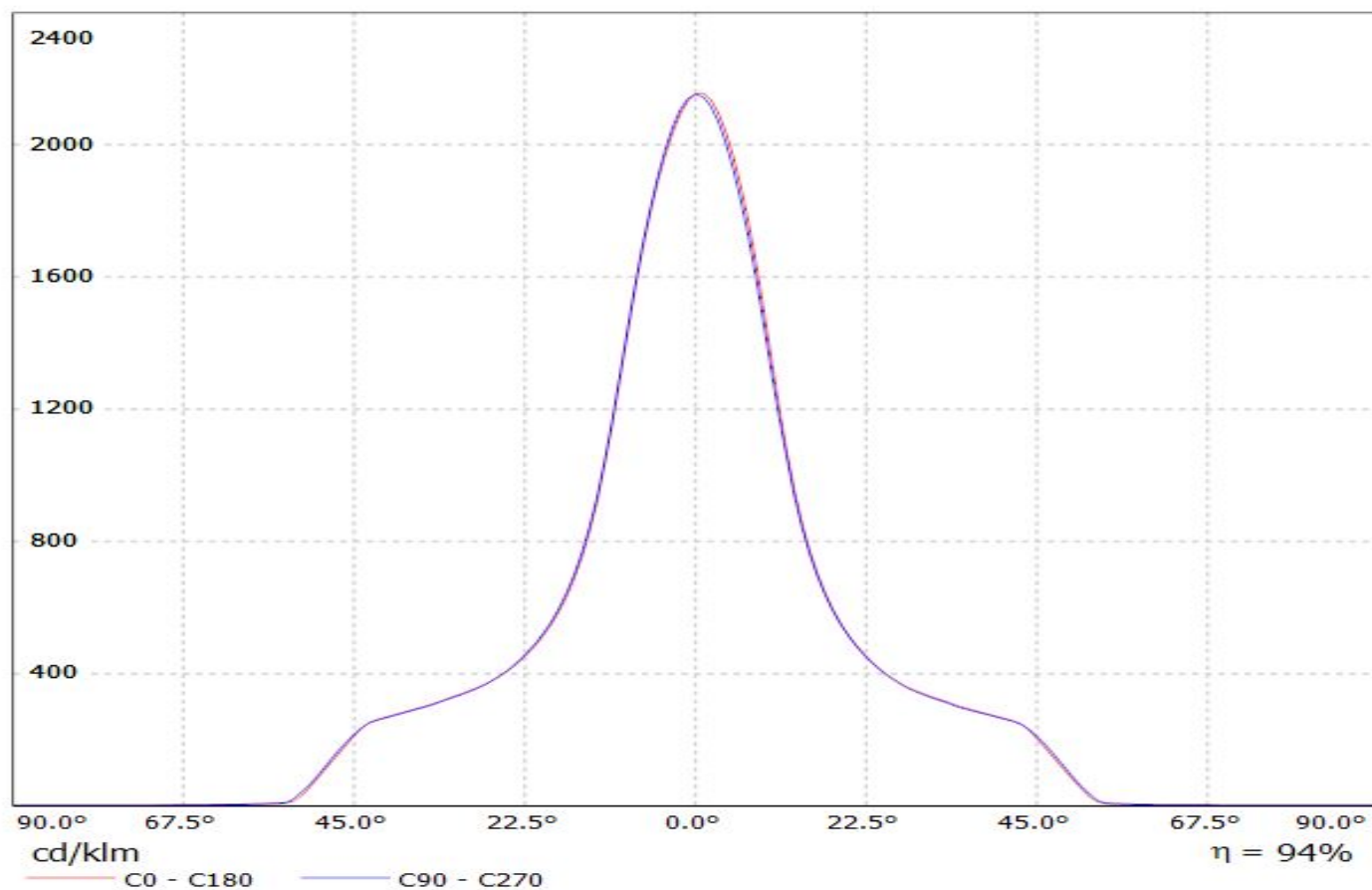
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(MegaZenigata_GW6)
Lamps: 1 x Sharp_MegaZenigata_GW6_(GW6DME30NFC)_1266.19lm@250mA_CCT=3038K_P=11.2151W_I=250.6mA



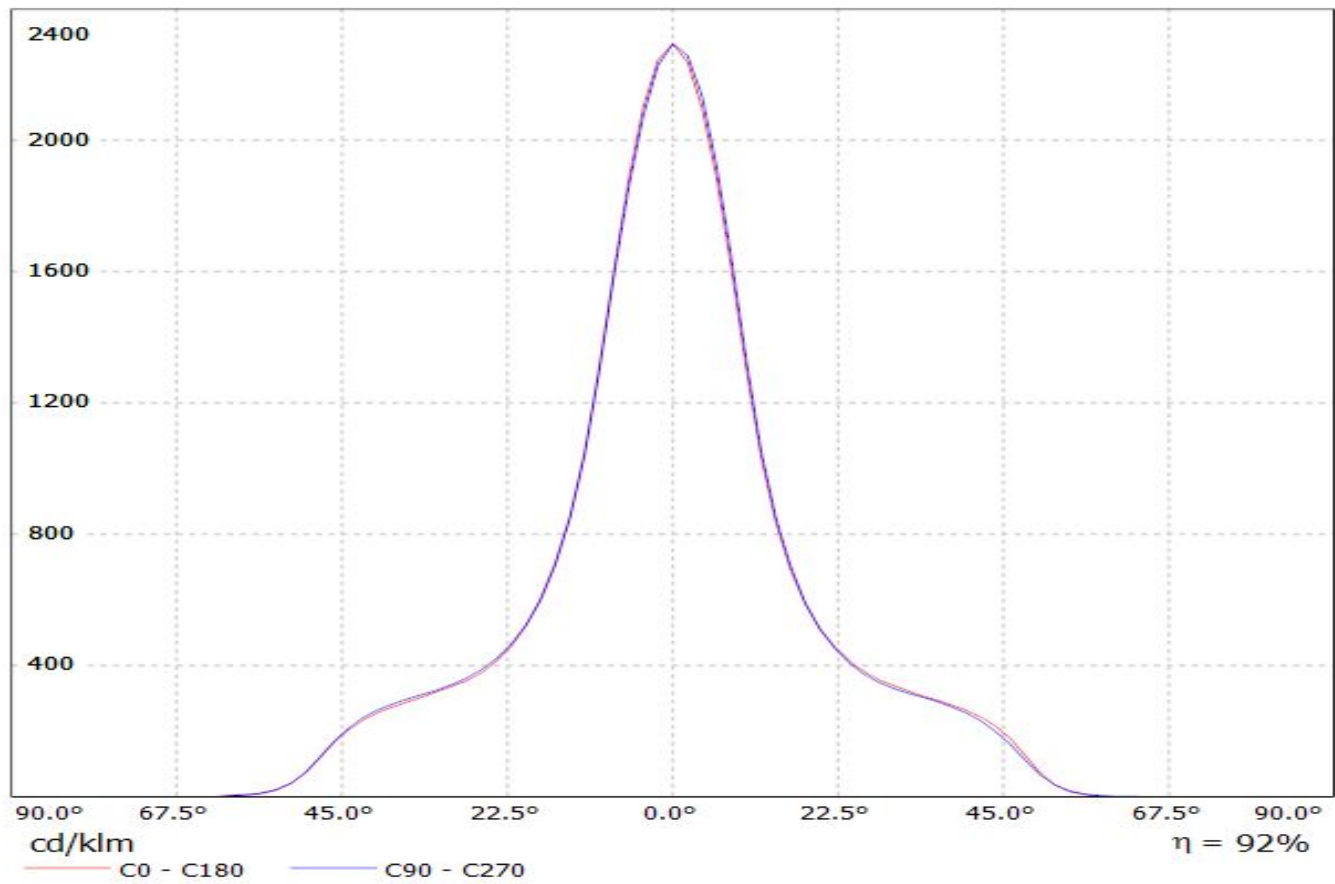
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(SLE GEN4 LES19)
Lamps: 1 x SLE GEN4 LES19_1226.28lm@250mA_P=8.21367W_I=0.2498A



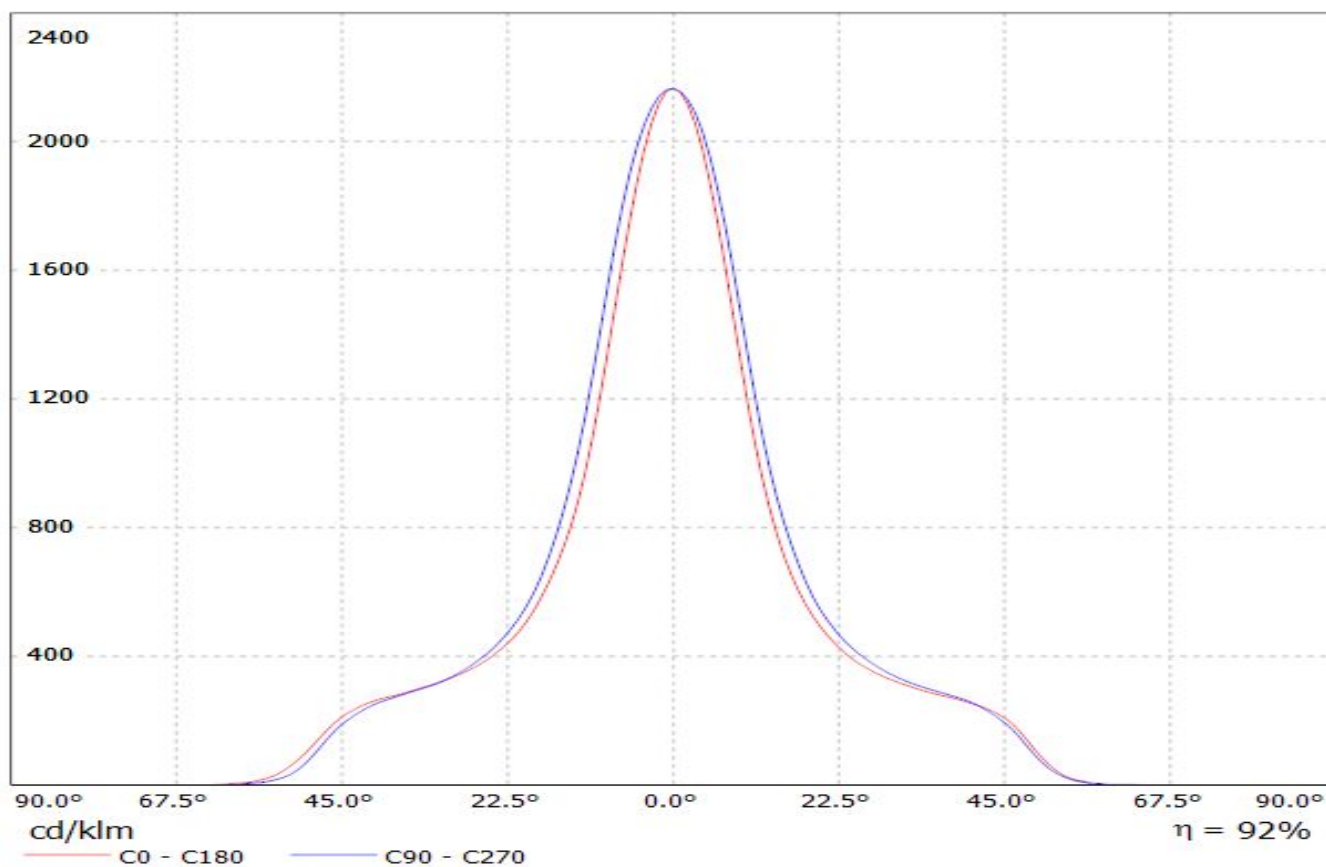
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(Soleriq S19) Eff.93.9%
Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)
_1445.44lm@250mA_CCT=3000K_P=10.558W_I=249.8mA



Luminaire: LEDiL F13659_ANGELINA-S-B
Lamps: 1 x CLL030 740lm@250mA (CLL030-1205A5-303H1A7) CCT:3000K P:8.6W



Luminaire: LEDiL F13659_ANGELINA-S-B
Lamps: 1 x BXRA_ES 285lm@250mA (W1206-102820-3110) P:4W

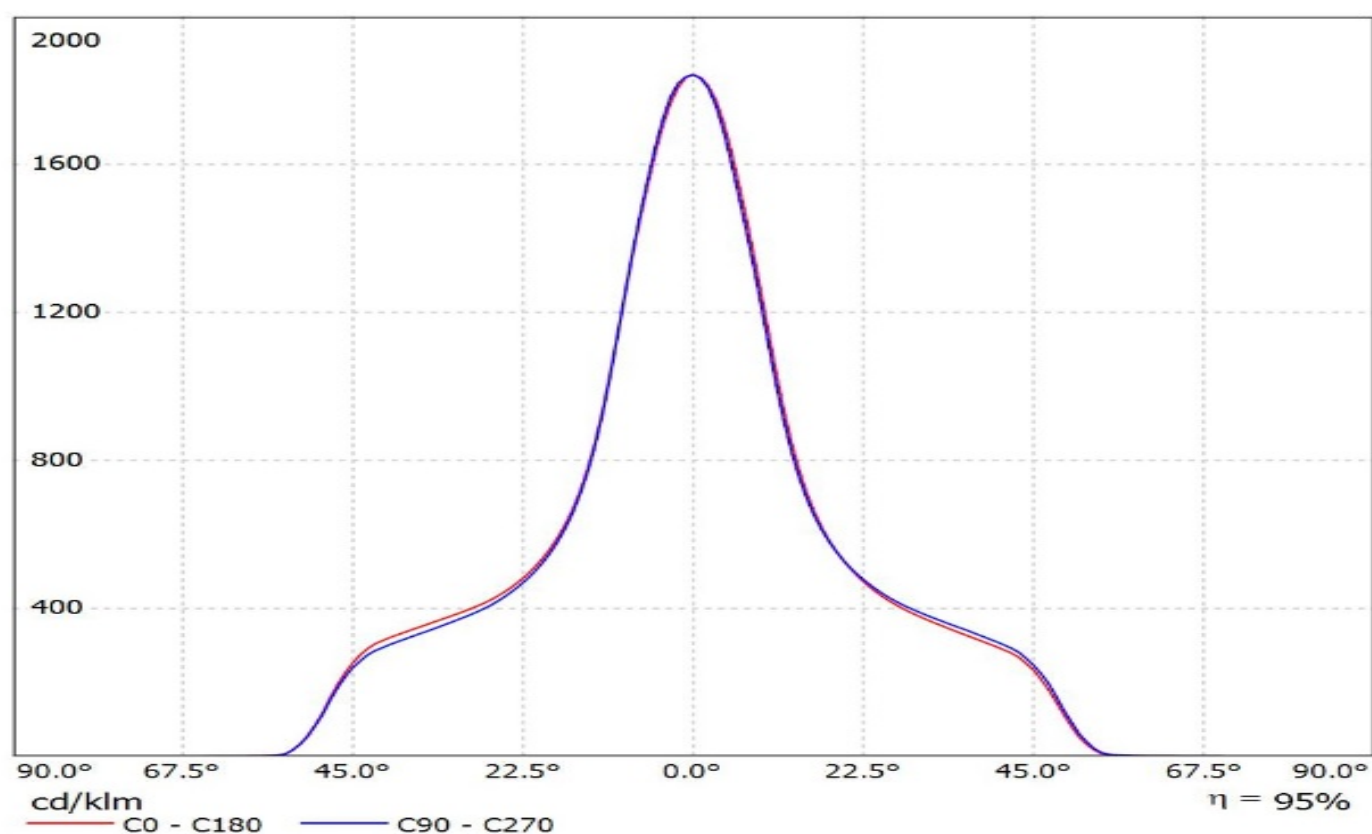


Ledil F13659_ANGELINA-S-B_(Luxeon_K16)_(47_319_2070) / LDC (Linear)

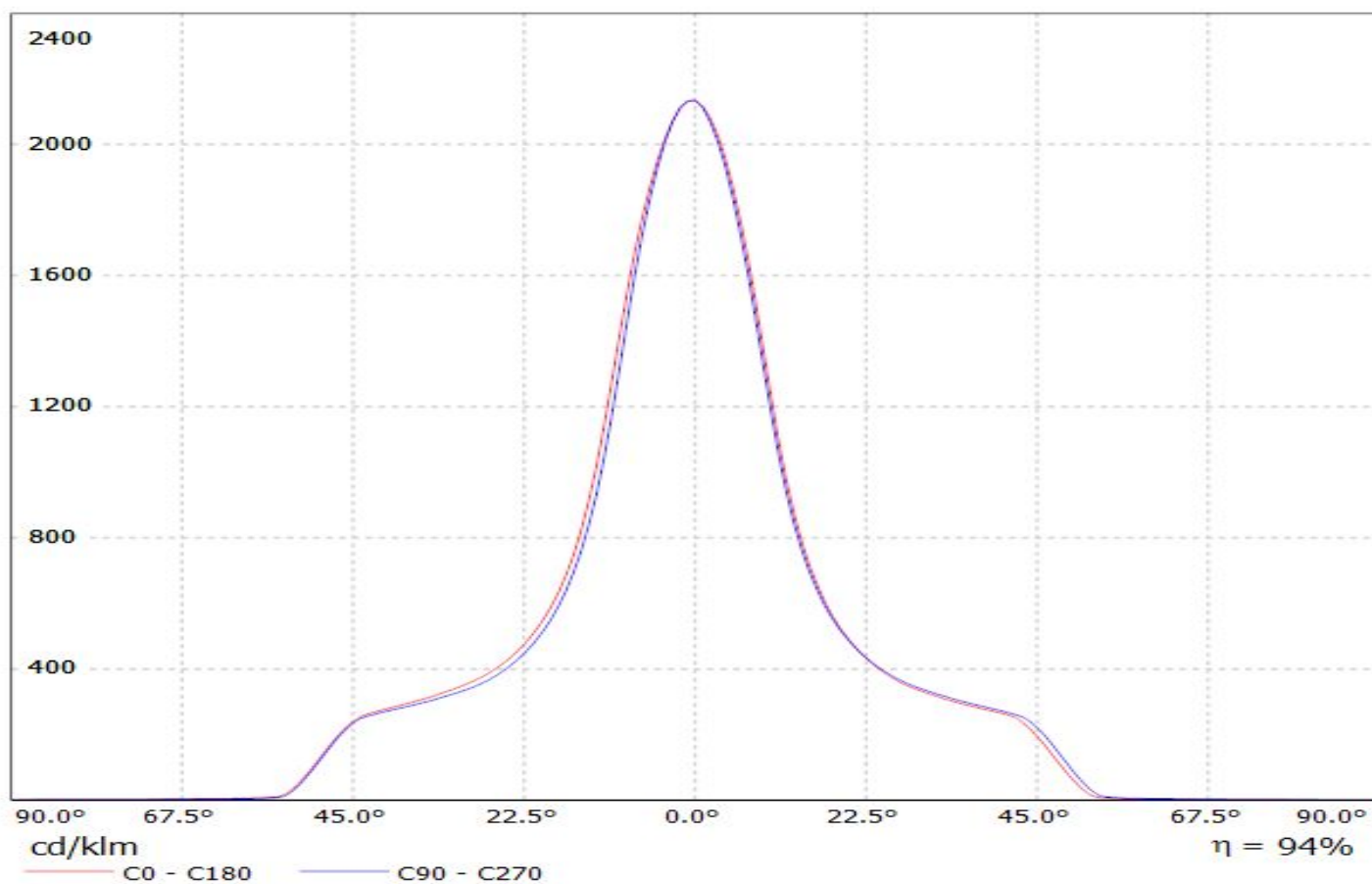
Luminaire: Ledil F13659_ANGELINA-S-B_(Luxeon_K16)_(47_319_2070)

Lamps: 1 x Philips_Lumileds_Luxeon_K16_(BJB.47.319.2070)

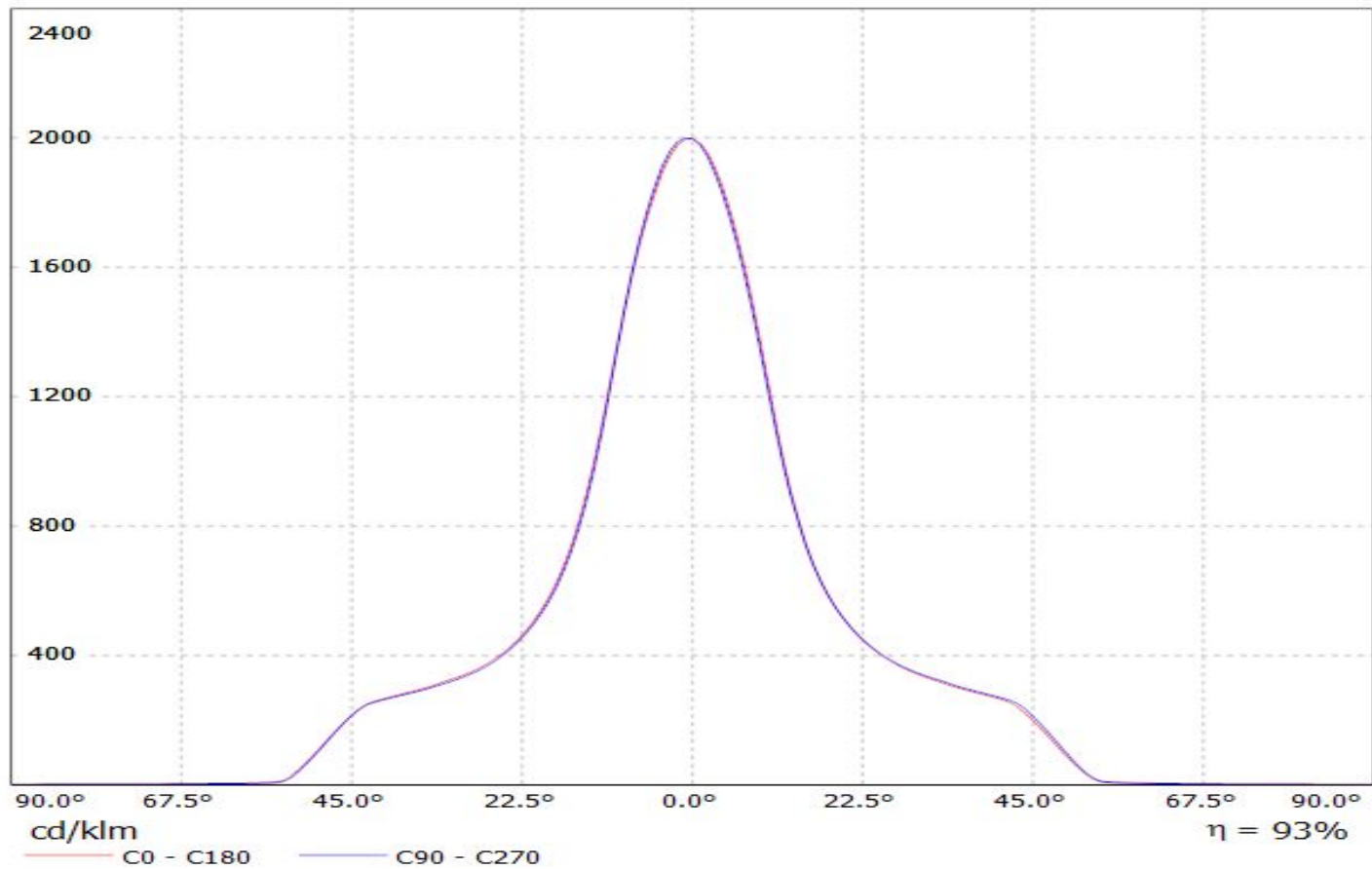
_1276.25lm@250mA_P=10.95525W_I=0.250A



Luminaire: LEDiL Oy F13659_ANGELINA-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

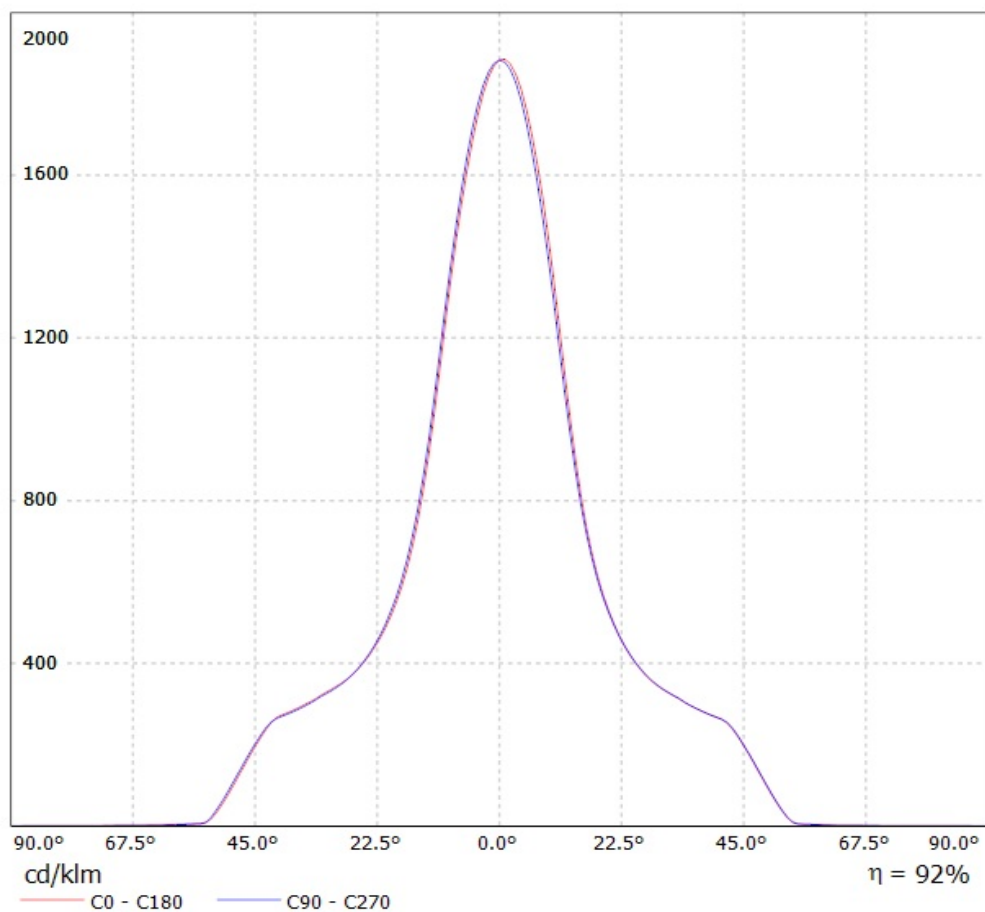


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CXA2590)
Lamps: 1 x CREE_CXA2590_(CXA2590-30F-Z4-RPH-00001)
_837.275lm@100mA_CCT=3000K_P=6.36316W_I=100.1mA

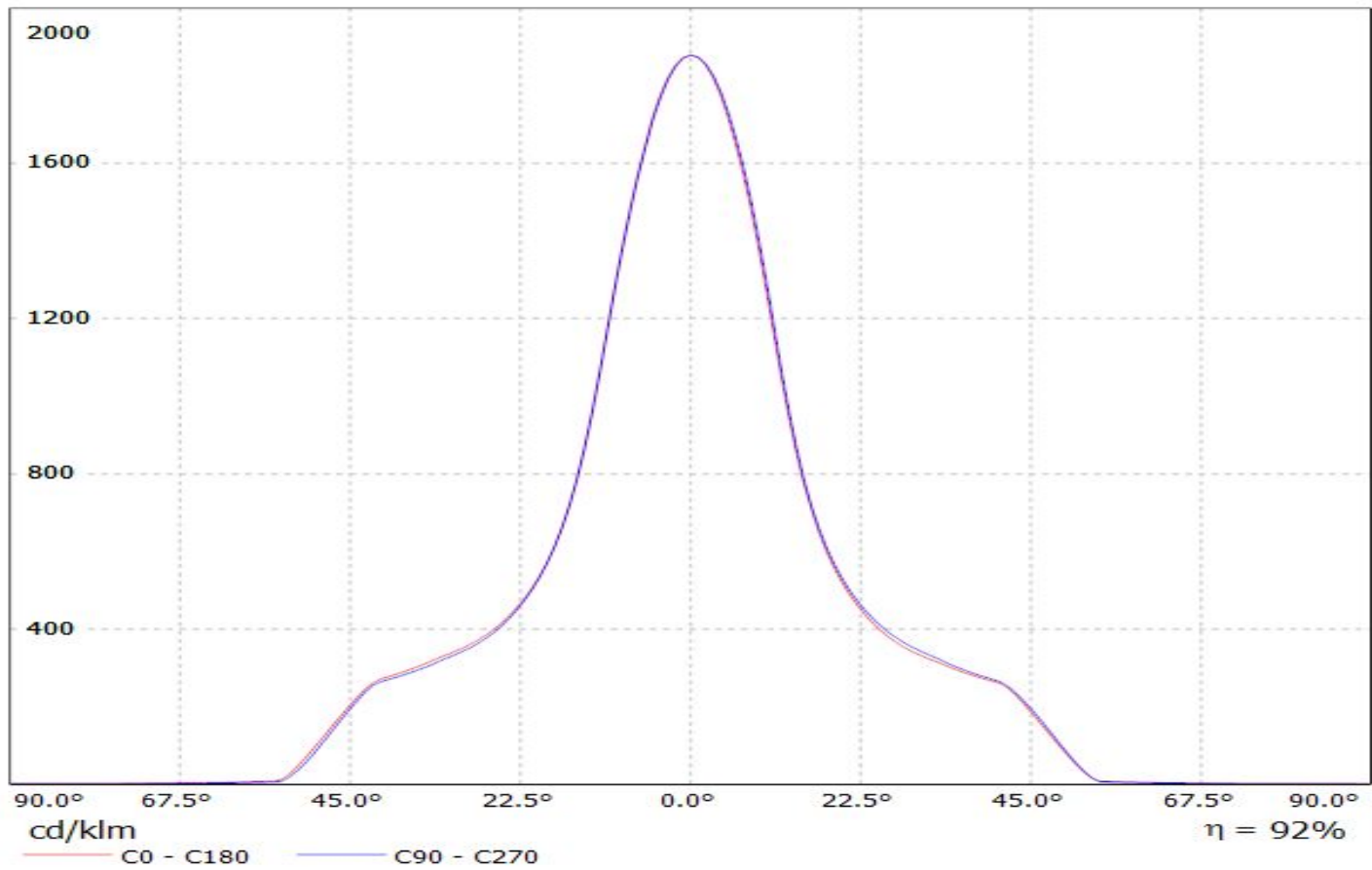


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(Luxeon_CoB_1211)_(BJB2030)

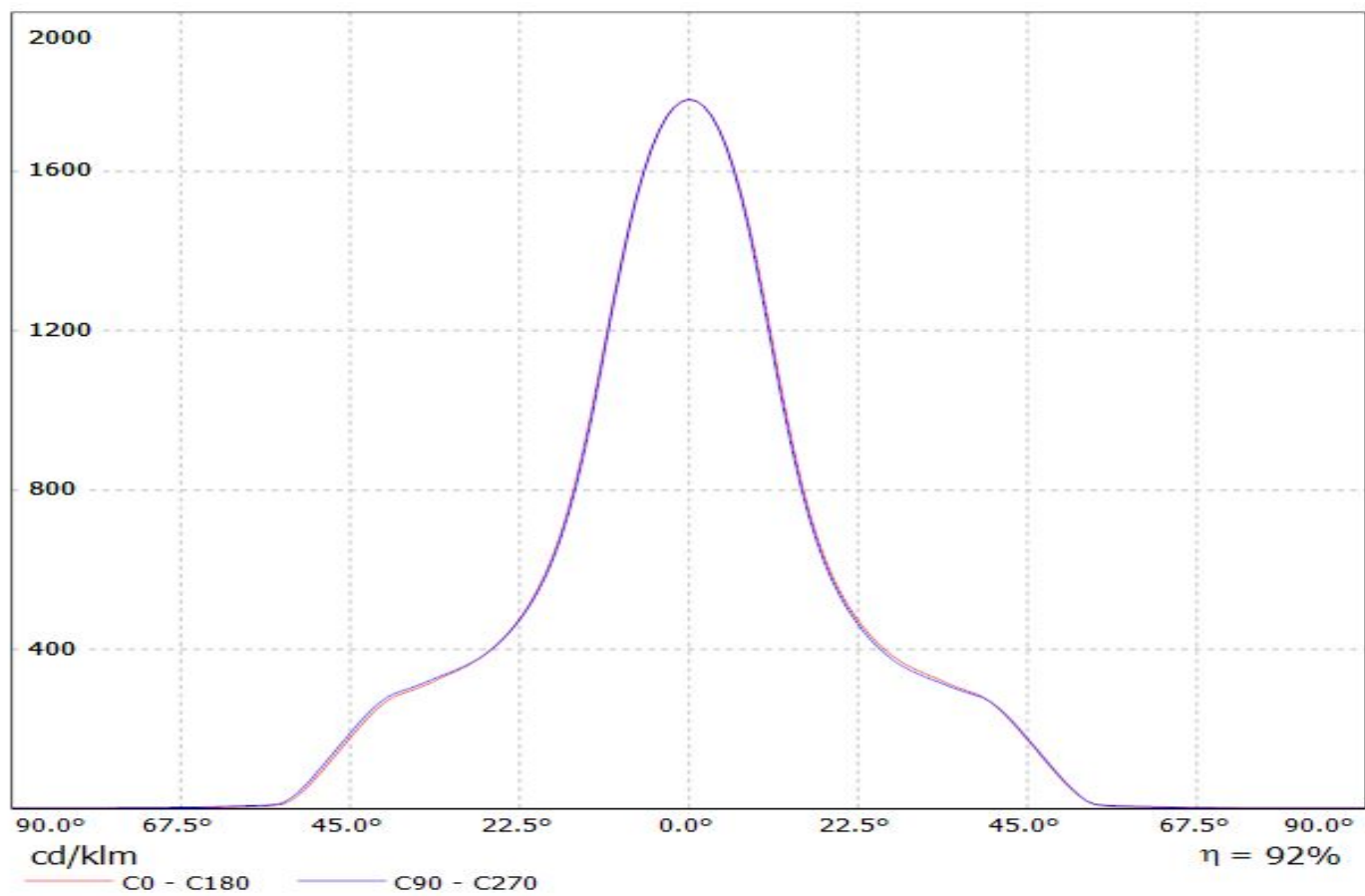
Lamps: 1 x Philips_Lumileds_Luxeon_CoB_1211_(LHC1-5780-1211)_(BJB2030)_1331.52lm@250mA_CCT(approx.)=5700K_P=8.03628W_I=0.2499A



Luminaire: LEDiL Oy F13659_ANGELINA-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

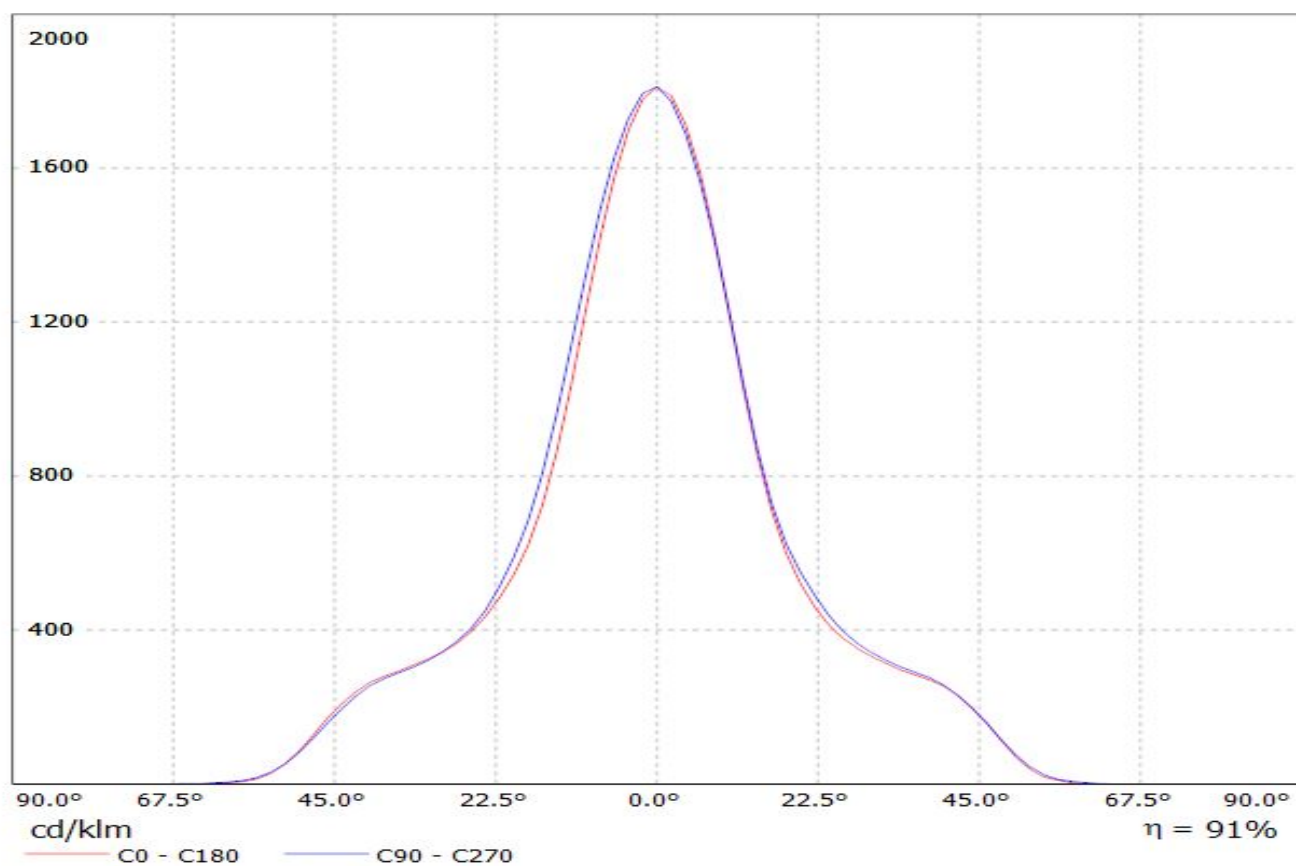


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(SLE G4 LES23)
Lamps: 1 x Tridonic_SLE_G4_LES23_1428.75lm@250mA_P=8.19944W_I=0.2498A



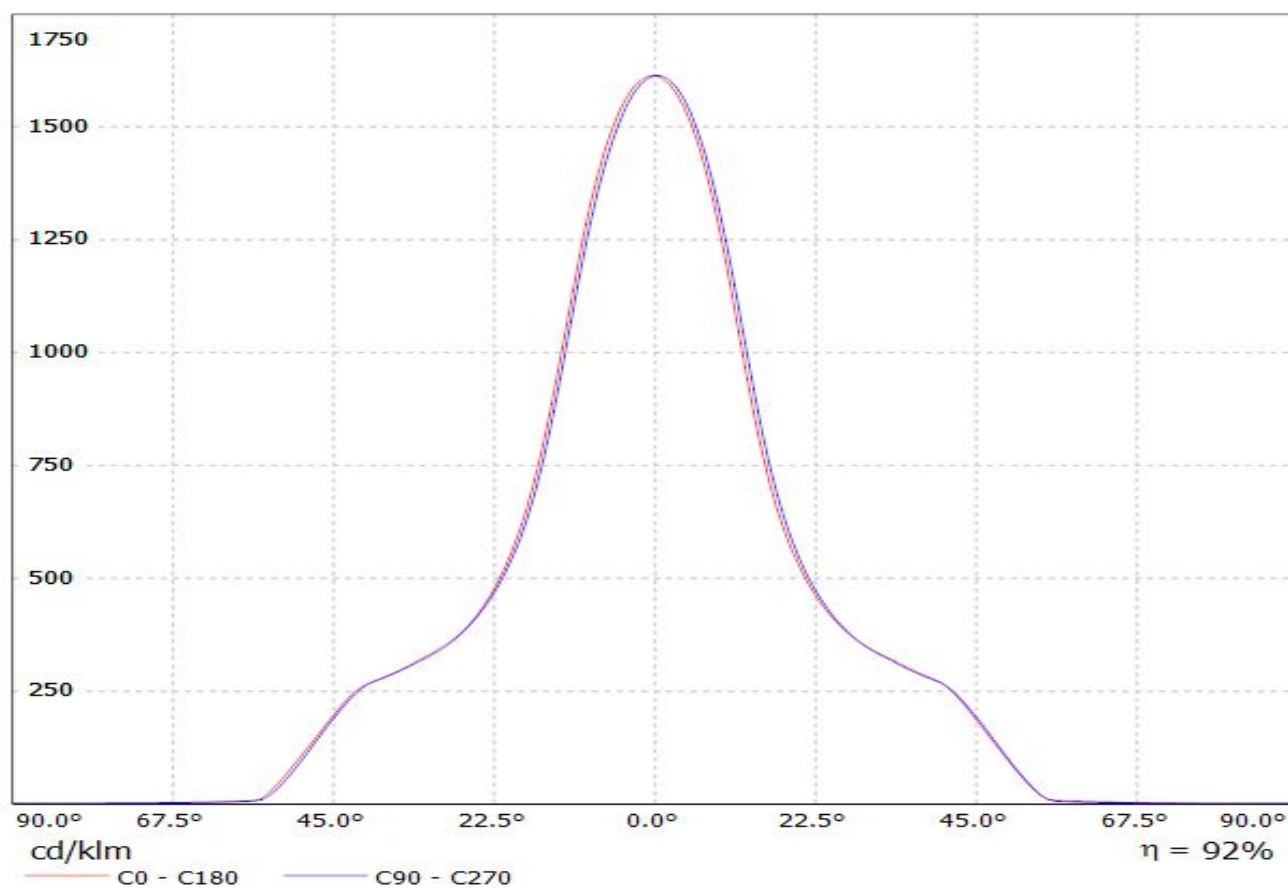
Luminaire: LEDiL F13659_ANGELINA-S-B_(Soleriq_E30)

Lamps: 1 x Soleriq E30 1358lm@250mA (QW KAJRB2.EM-TPTR-50H4) P:10.23W



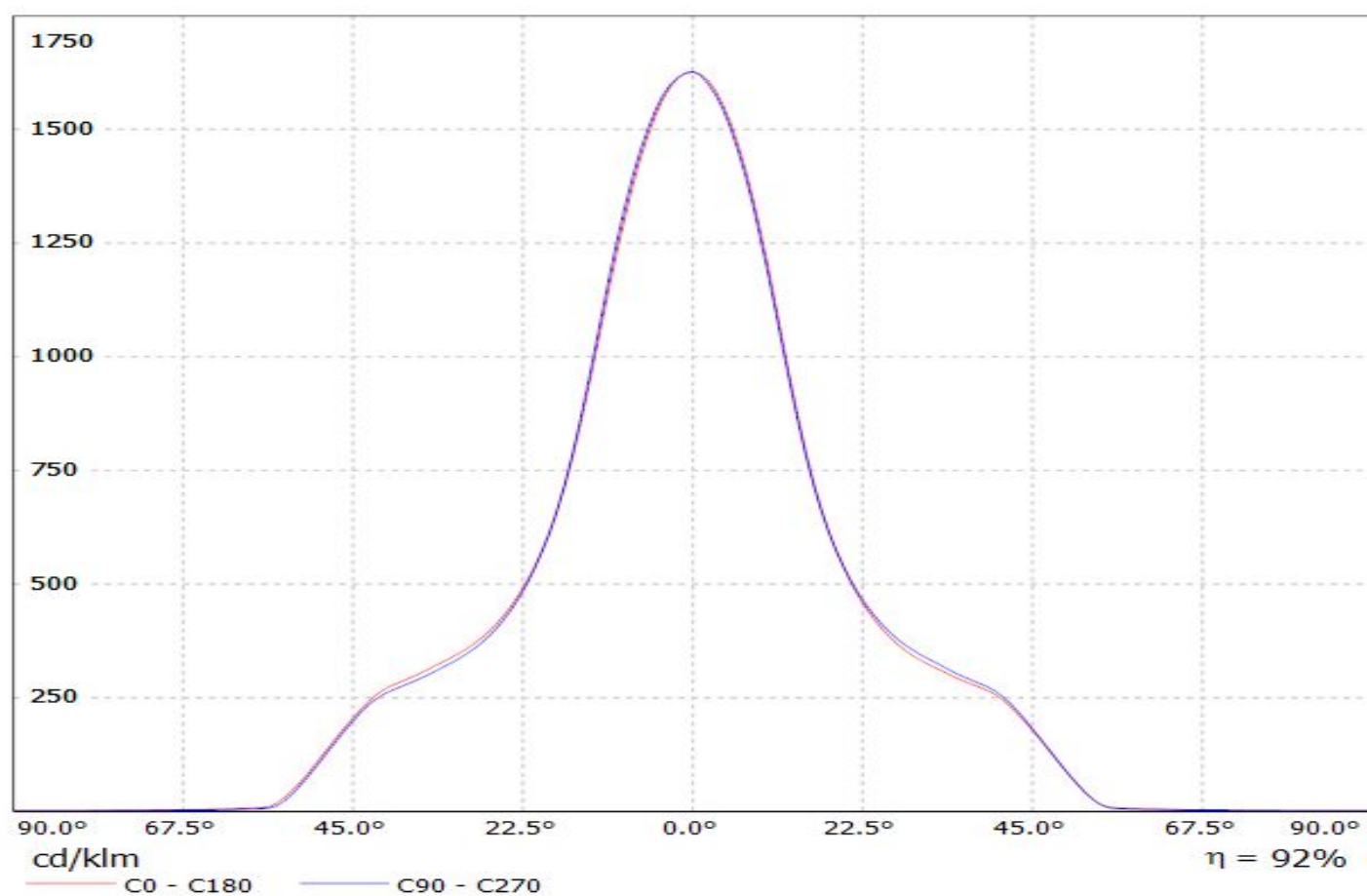
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CLU044)

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

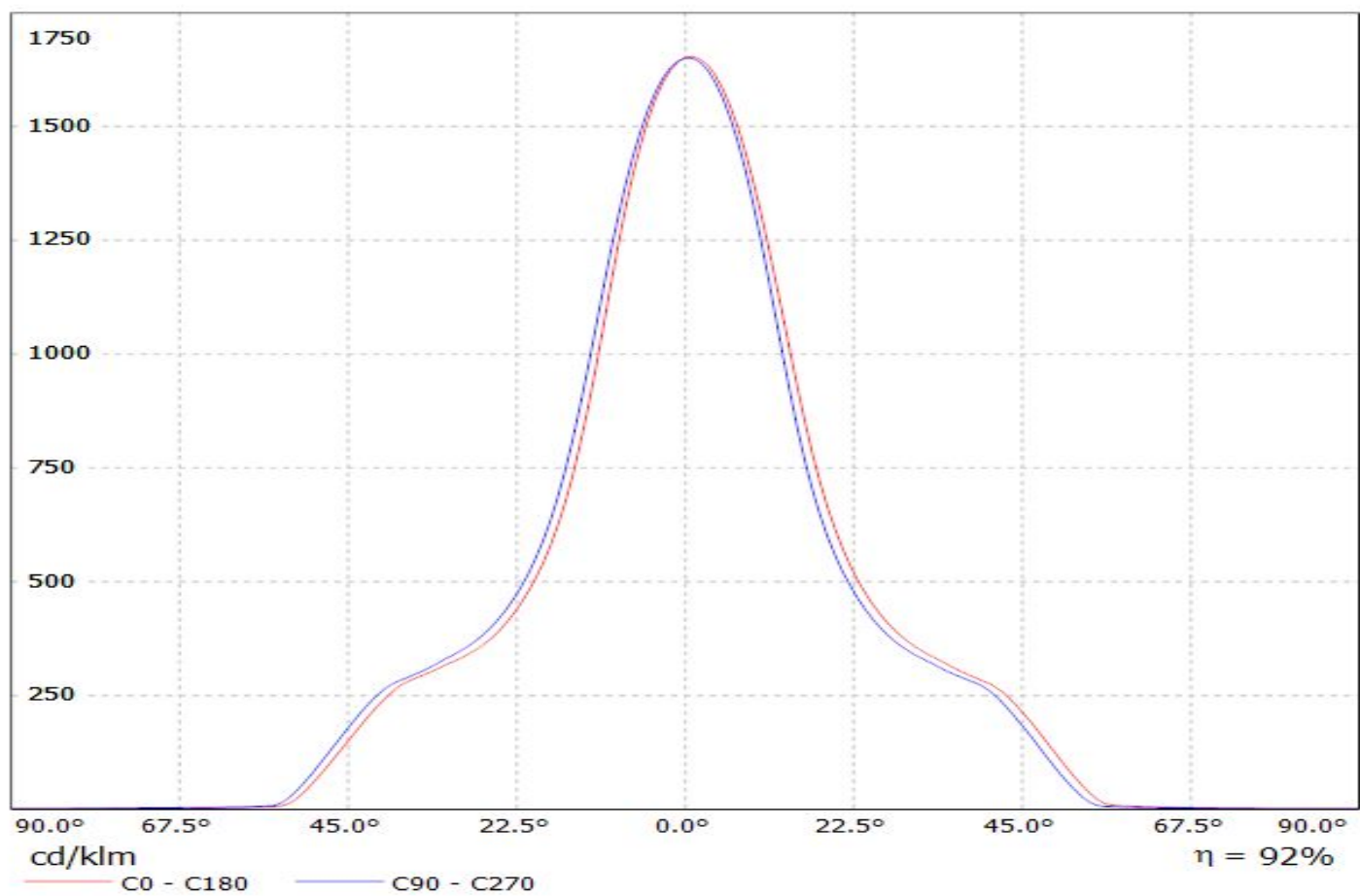


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(ZC40)

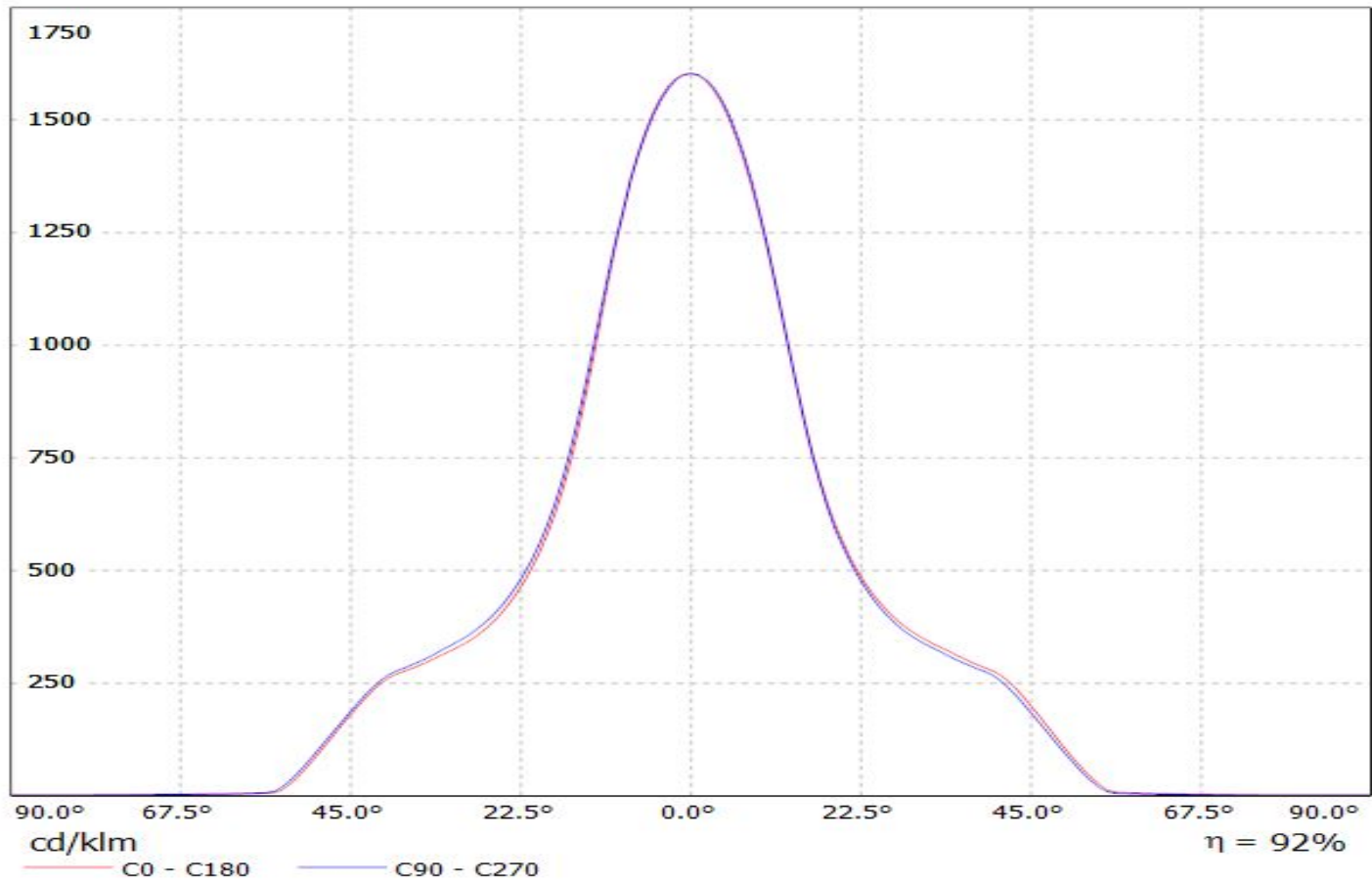
Lamps: 1 x SEOUL_ZC40_(SBWW5F1B)_1185.55lm@250mA_P=8.2384W_I=249.8mA



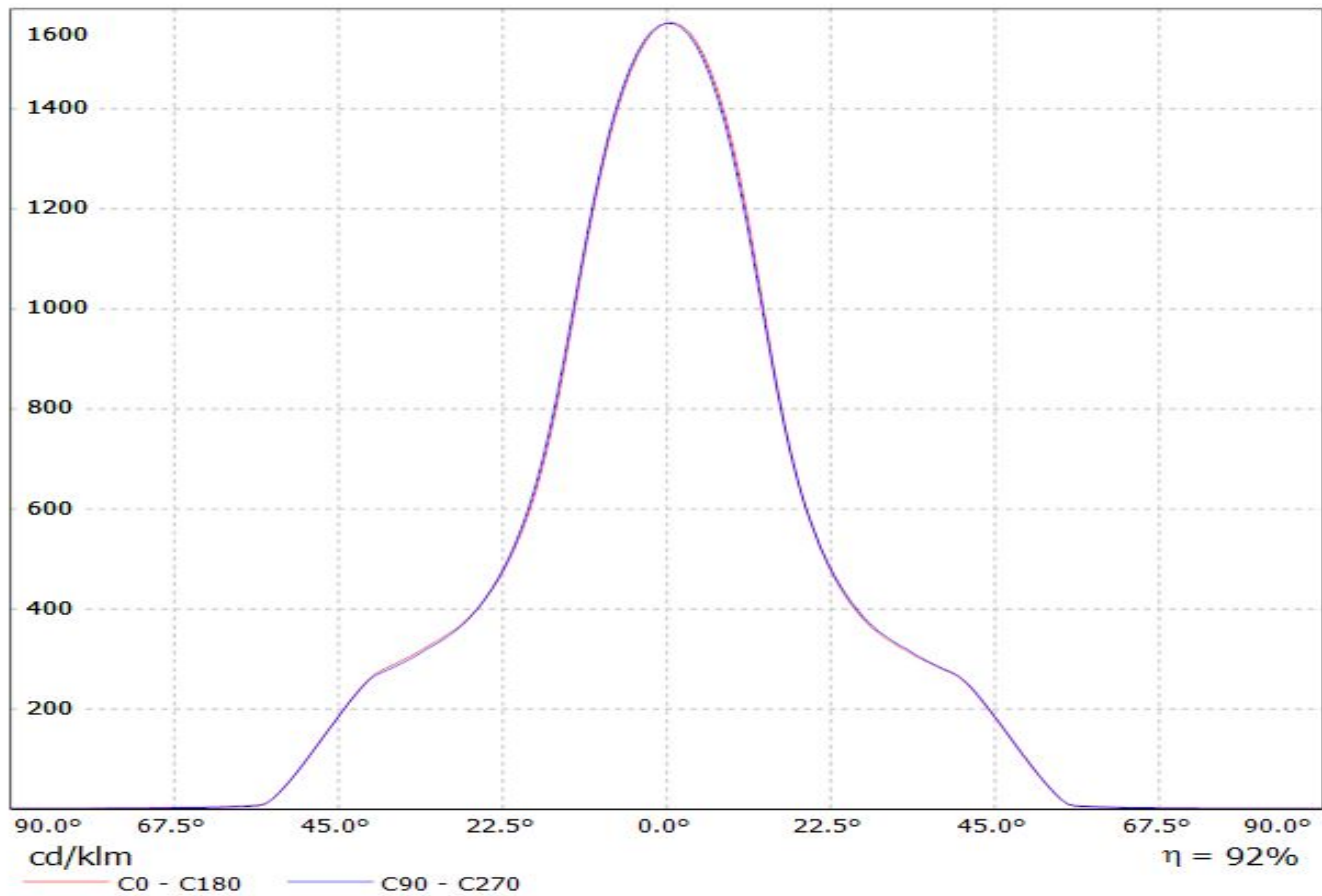
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CXA30)
Lamps: 1 x Cree_CXA30_(CXA3050-3C0-Y2-N0H)_1395.36lm@250mA_P=8.20318W_I=249.8mA



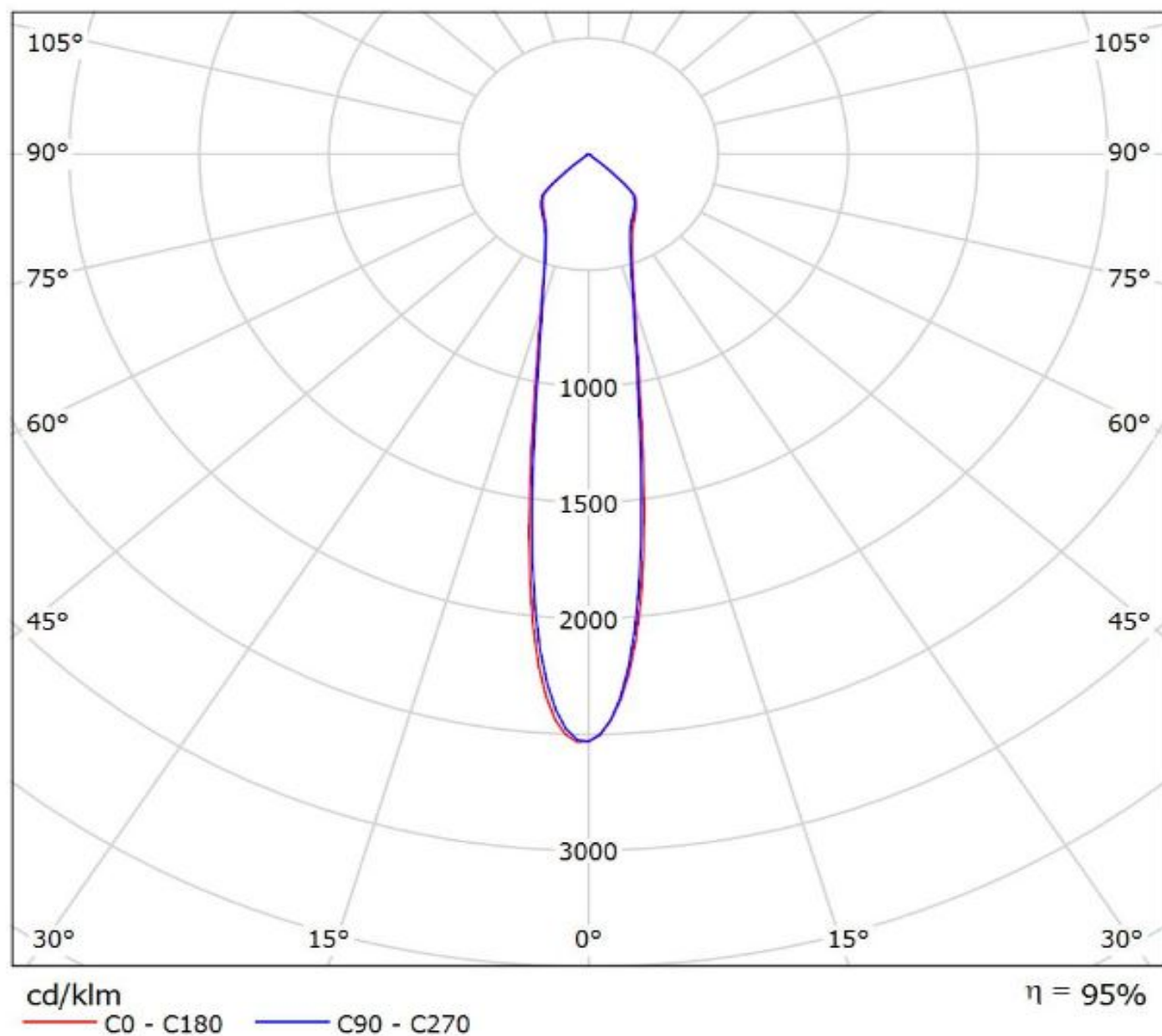
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(COB_40W)
Lamps: 1 x LG_COB_40W_1163.31lm@250mA_CCT=3000K_P=8.04906W_I=249.8mA



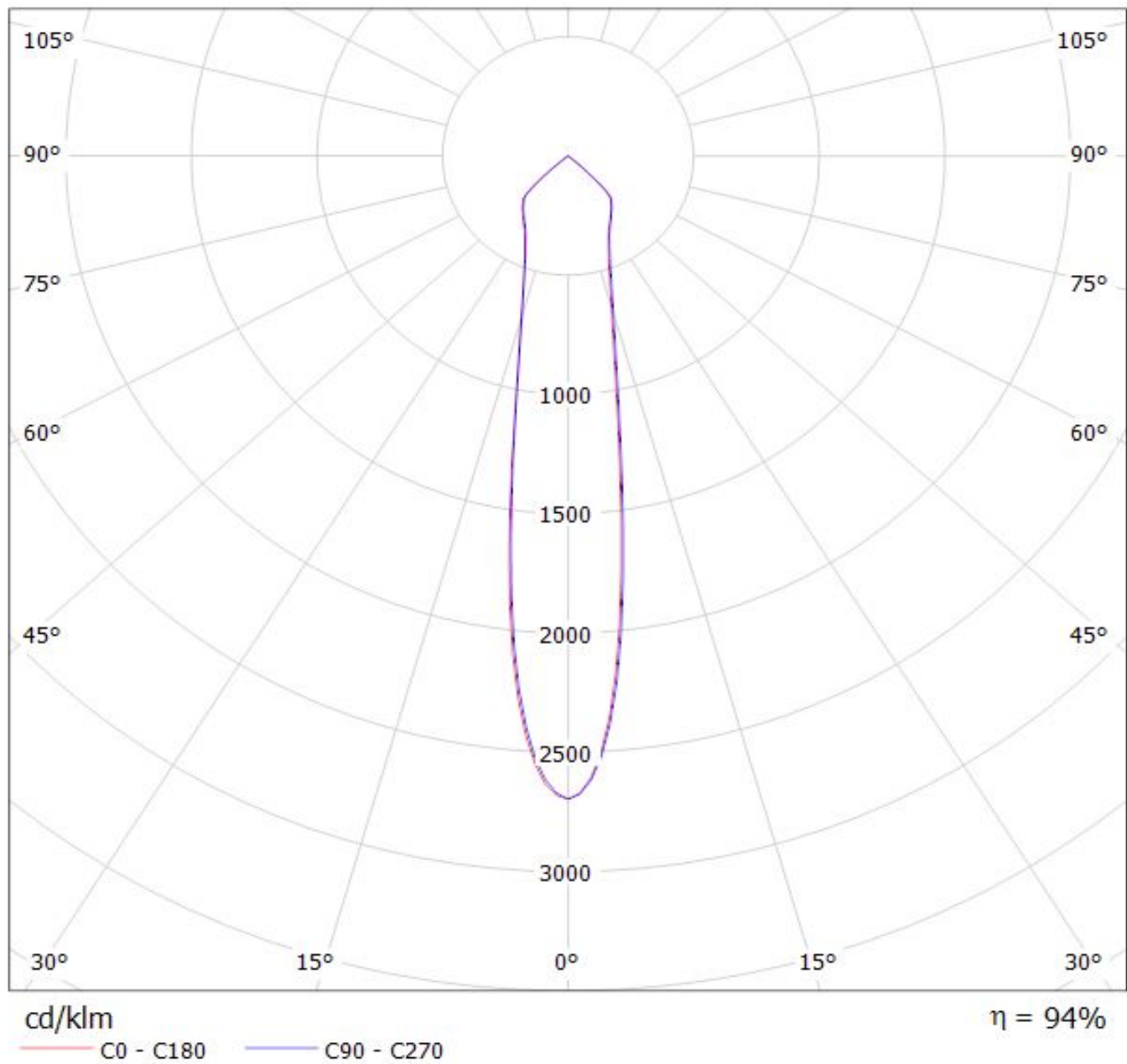
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CXM-22) Eff.92.2%
Lamps: 1 x LUMINUS_CXM-22_1221.8lm@250mA_P=8.00809W_CCT=3000K_I=249.8mA



Luminaire: Ledil F13659_ANGELINA-S-B_(CITIZEN_CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1320.42lm@250mA_CCT=2700K_P=8.35W_I=0.25A

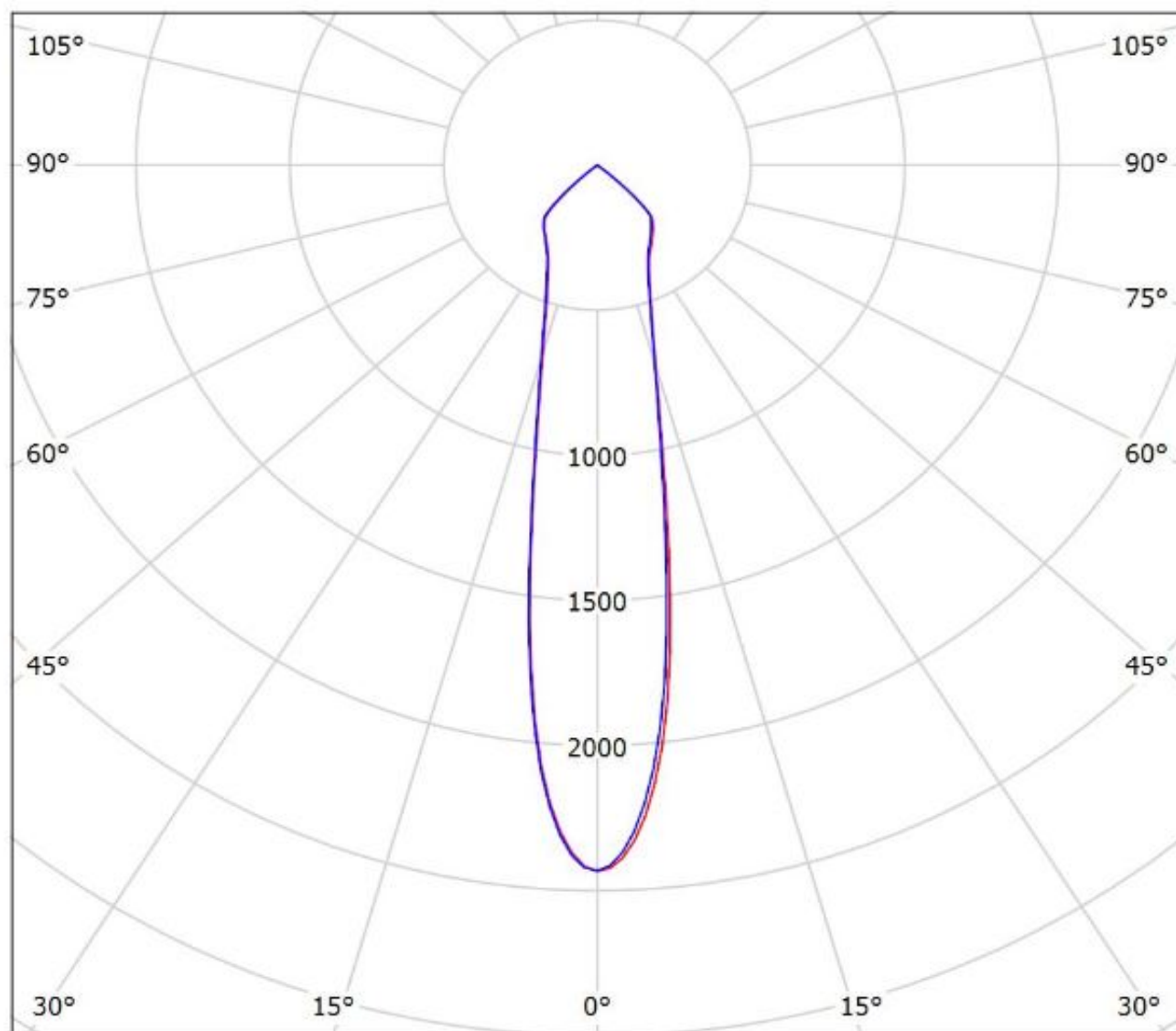


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CITIZEN_CLU720)
Lamps: 1 x CITIZEN_CLU720_(BJB: 47.319.2020)_1214.68lm@250mA_CCT=2700K_P=8.31842W_I=0.25A



Luminaire: Ledil F13659_ANGELINA-S-B_(Soleriq_S13_G2)

Lamps: 1 x Osram_Soleriq_S13_G2_(GW_KAGHB2.EM)1353.18lm@250mA_P=8.46W_I=0.25A



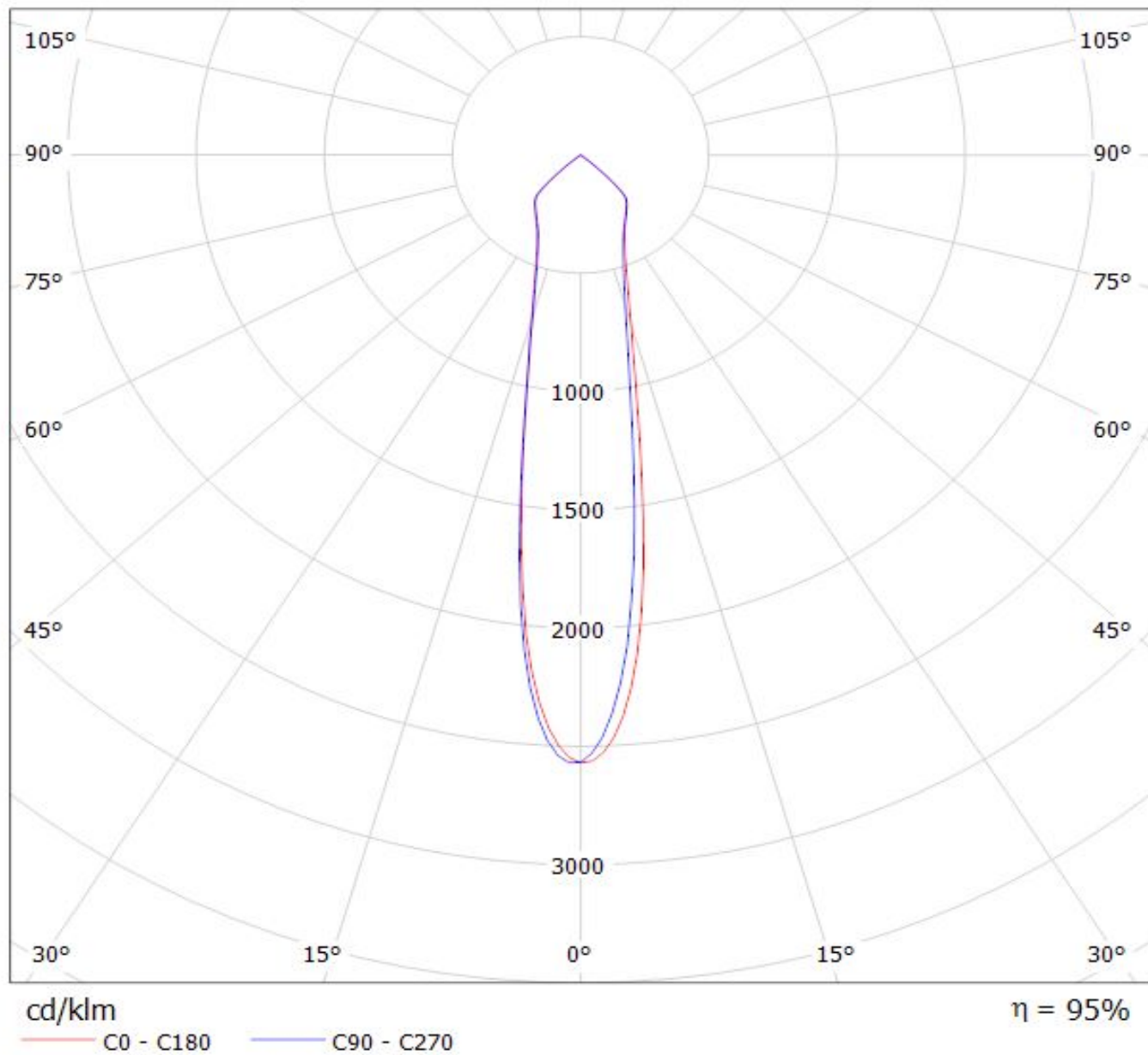
cd/klm

η = 92%

— C0 - C180 — C90 - C270

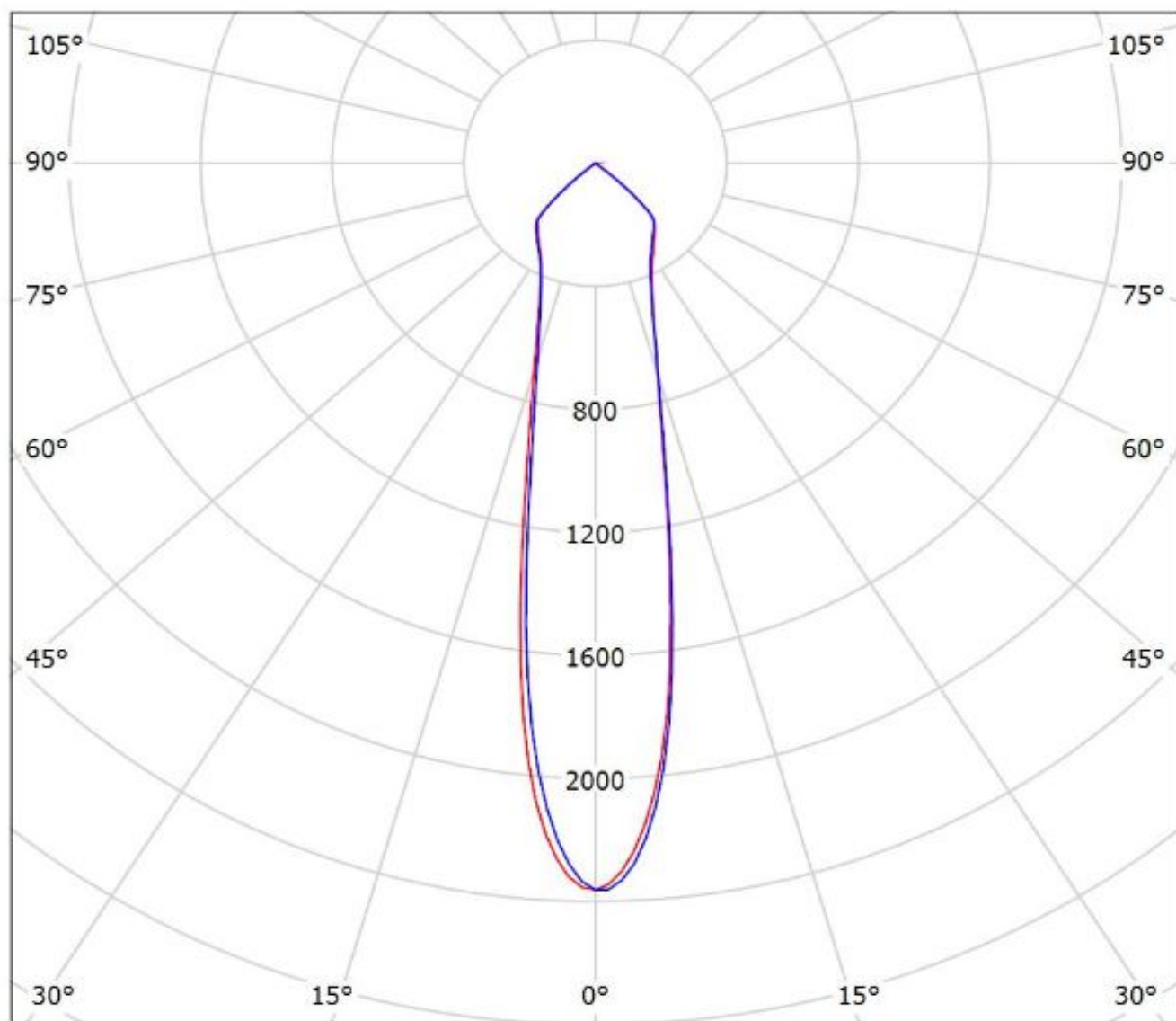
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(Soleriq_S13) Eff.94.0%

Lamps: 1 x Osram_Soleriq_S13_825.418lm@250mA_CCT=3125K_P=7.33663W_I=249.8mA



Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(SOLERIQ_P13)

Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_1053.65lm@250mA_CCT=3000K_P=8.82044W_I=249.8mA



cd/klm

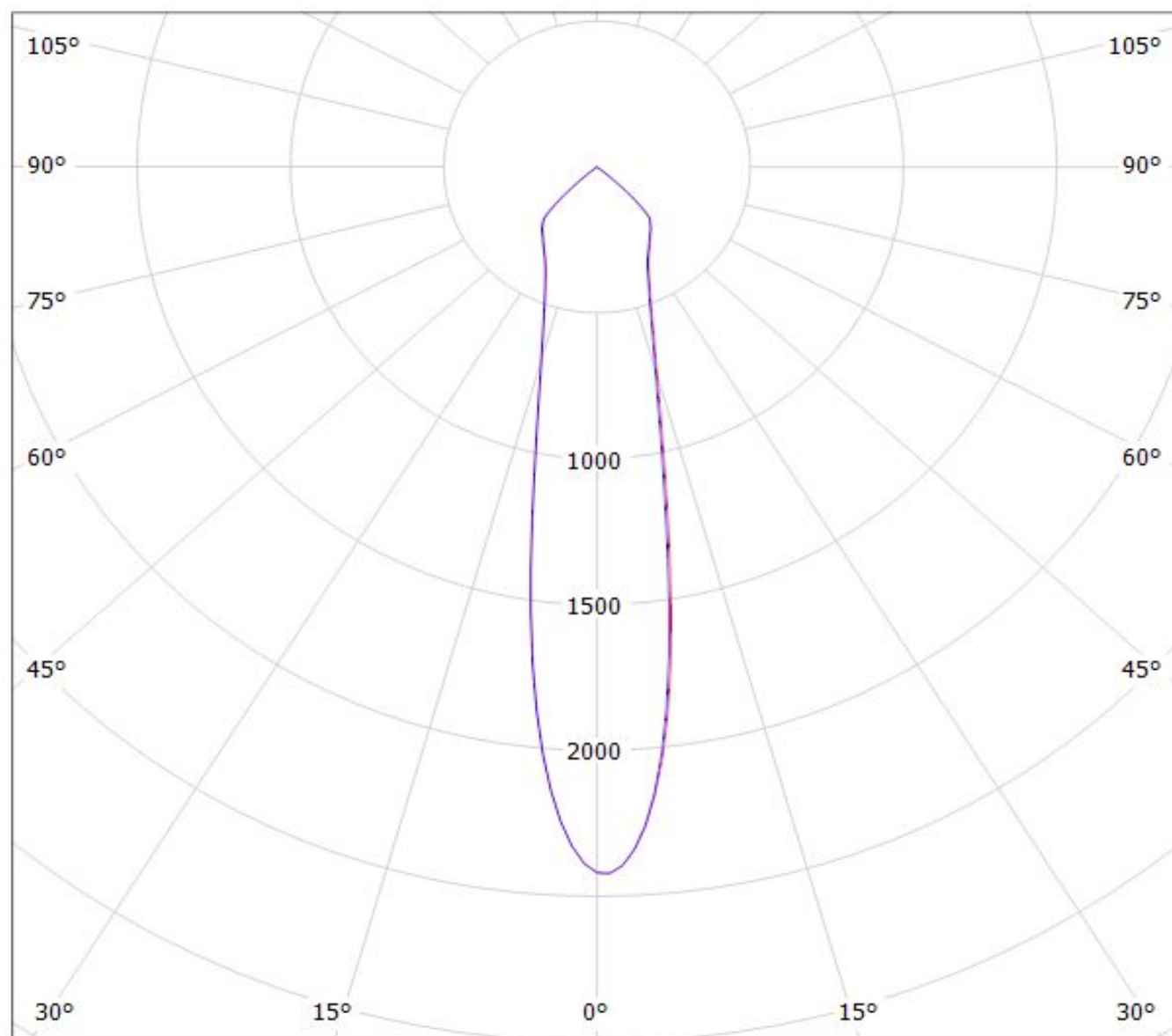
C0 - C180

C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(Luxeon_CoB_1205)

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



cd/klm

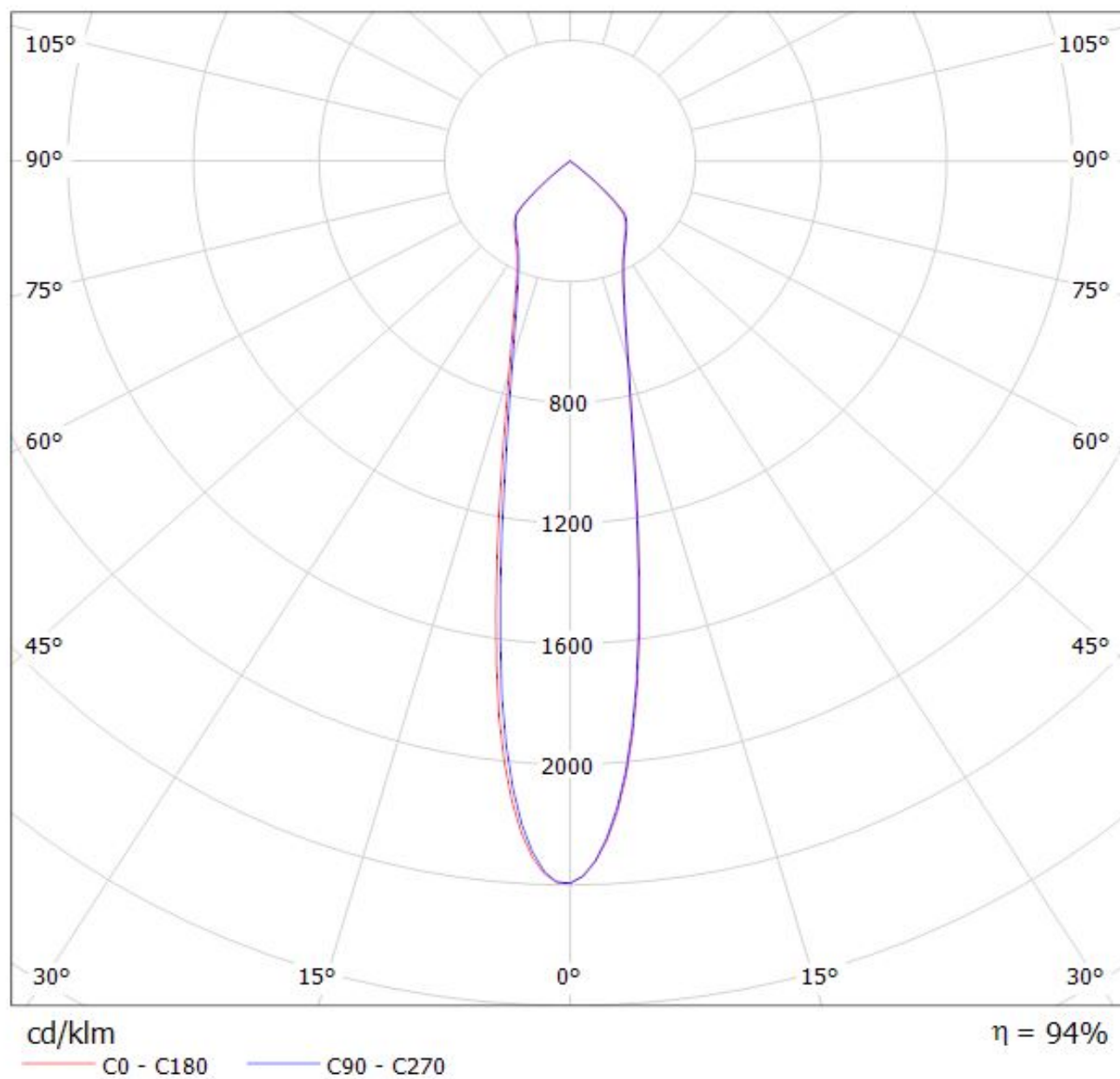
η = 94%

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(LG_COB_10W)

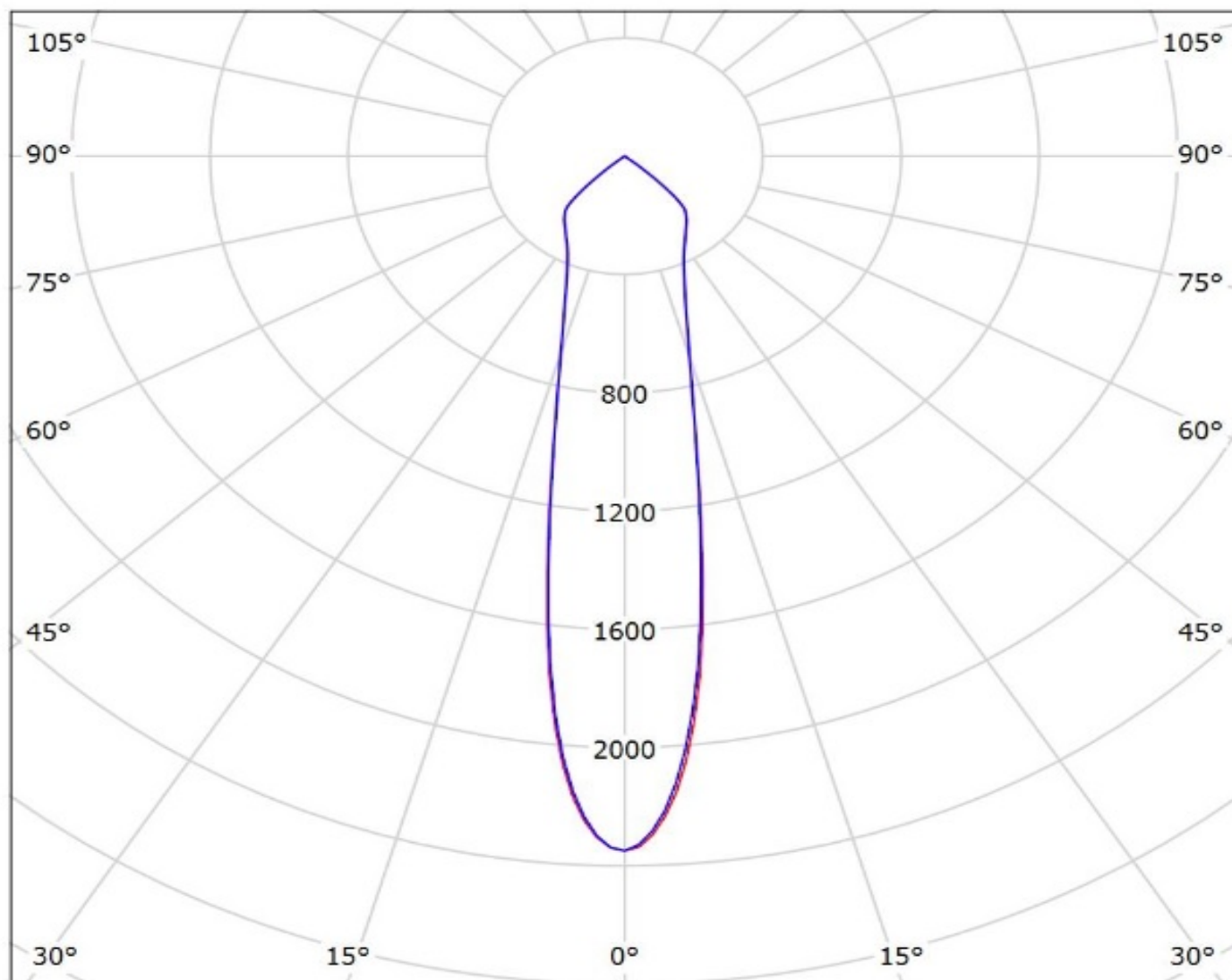
Lamps: 1 x LG_COB_10W_(LEMWM18580LG00)_917.757lm@250mA_P=9.31304W_I=249.8mA



Ledil F13659_ANGELINA-S-B_(COB_10W)_(BJB_47_319_2080) / LDC (Polar)

Luminaire: Ledil F13659_ANGELINA-S-B_(COB_10W)_(BJB_47_319_2080)

Lamps: 1 x LG_COB_10W_(LEMWM18580LG00)_(BJB_47.319.2080)
_947.453lm@250mA_P=9.342W_I=0.250A



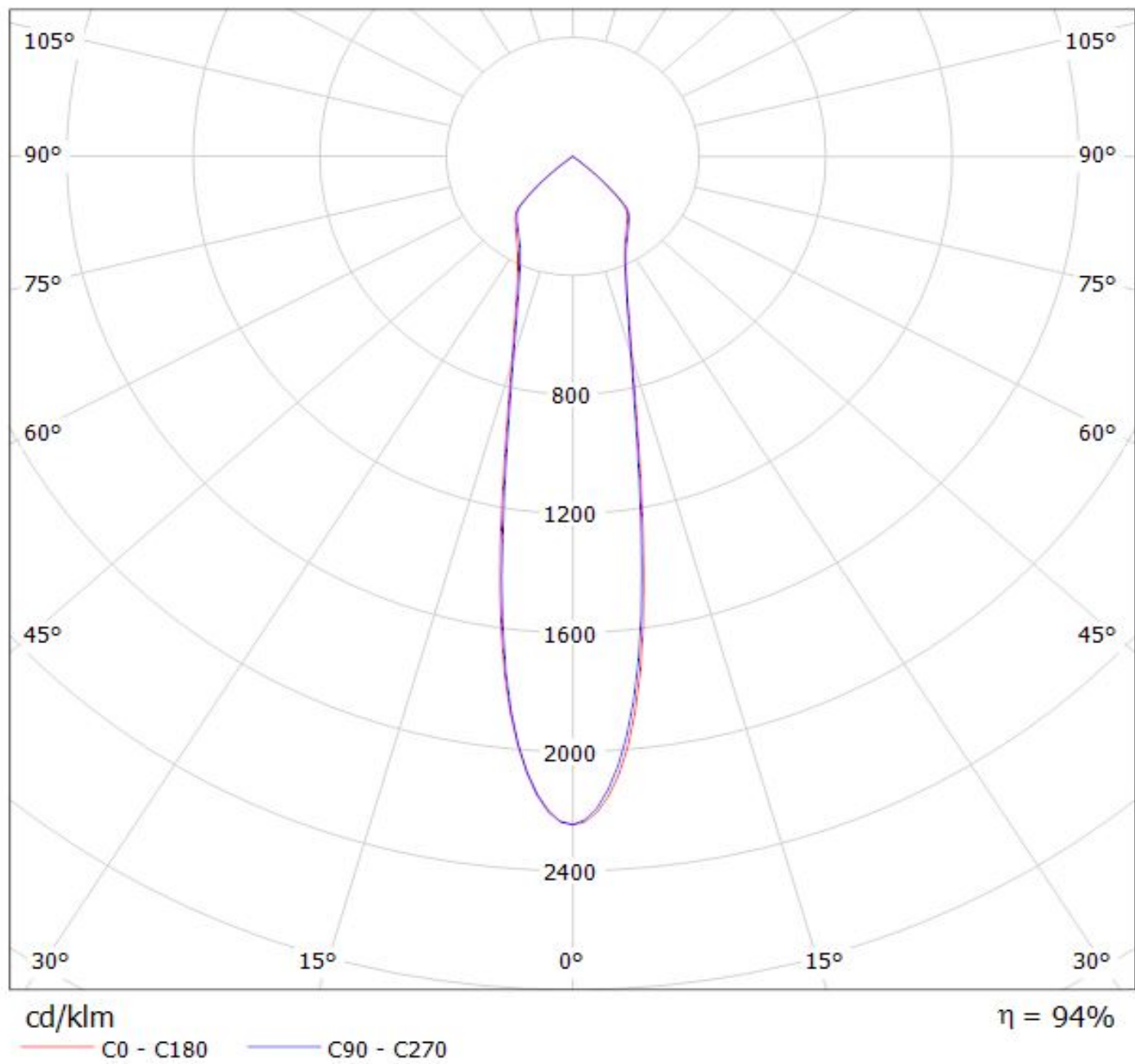
cd/klm

— C0 - C180

— C90 - C270

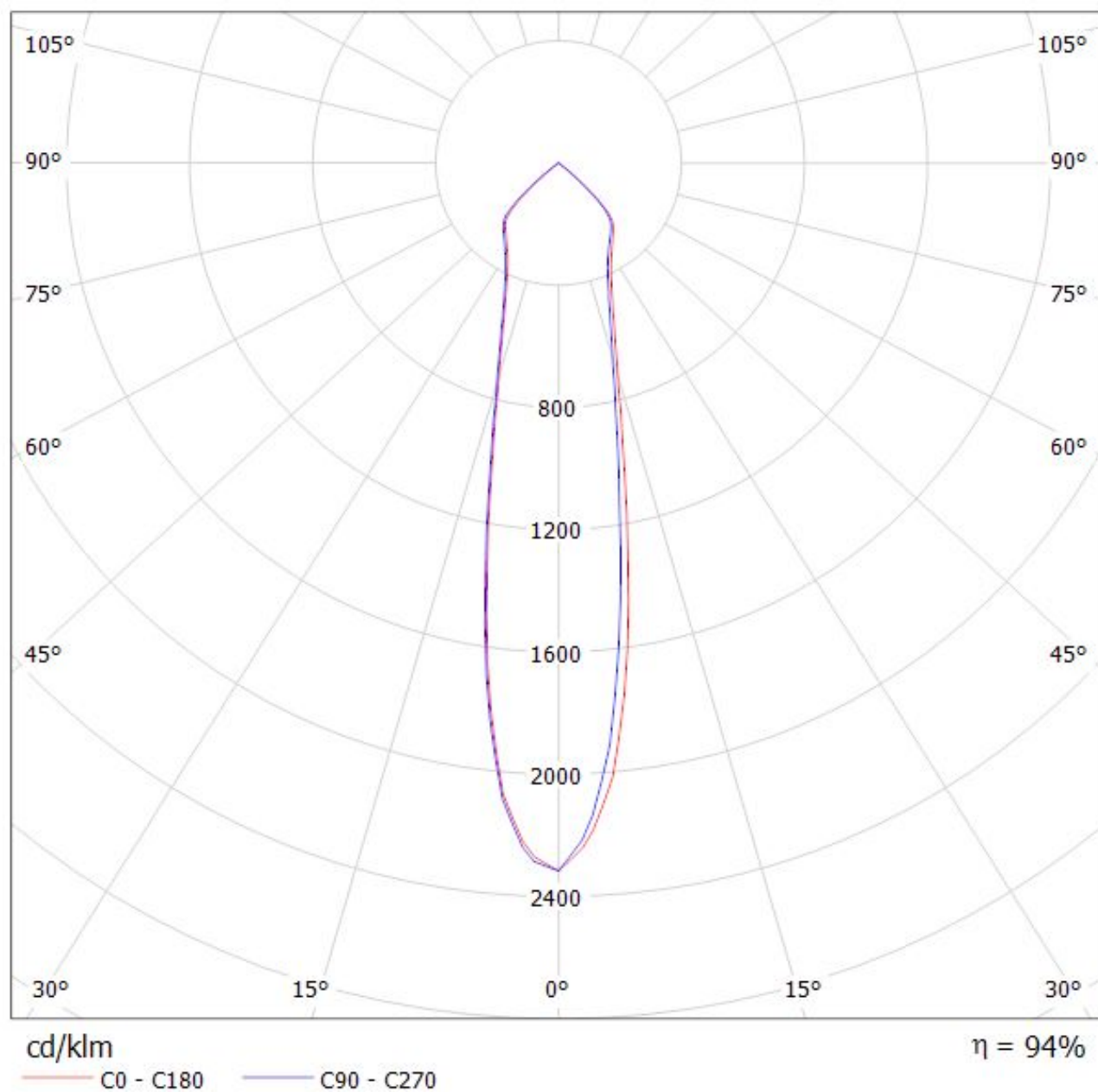
$\eta = 93\%$

Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CLU034)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA

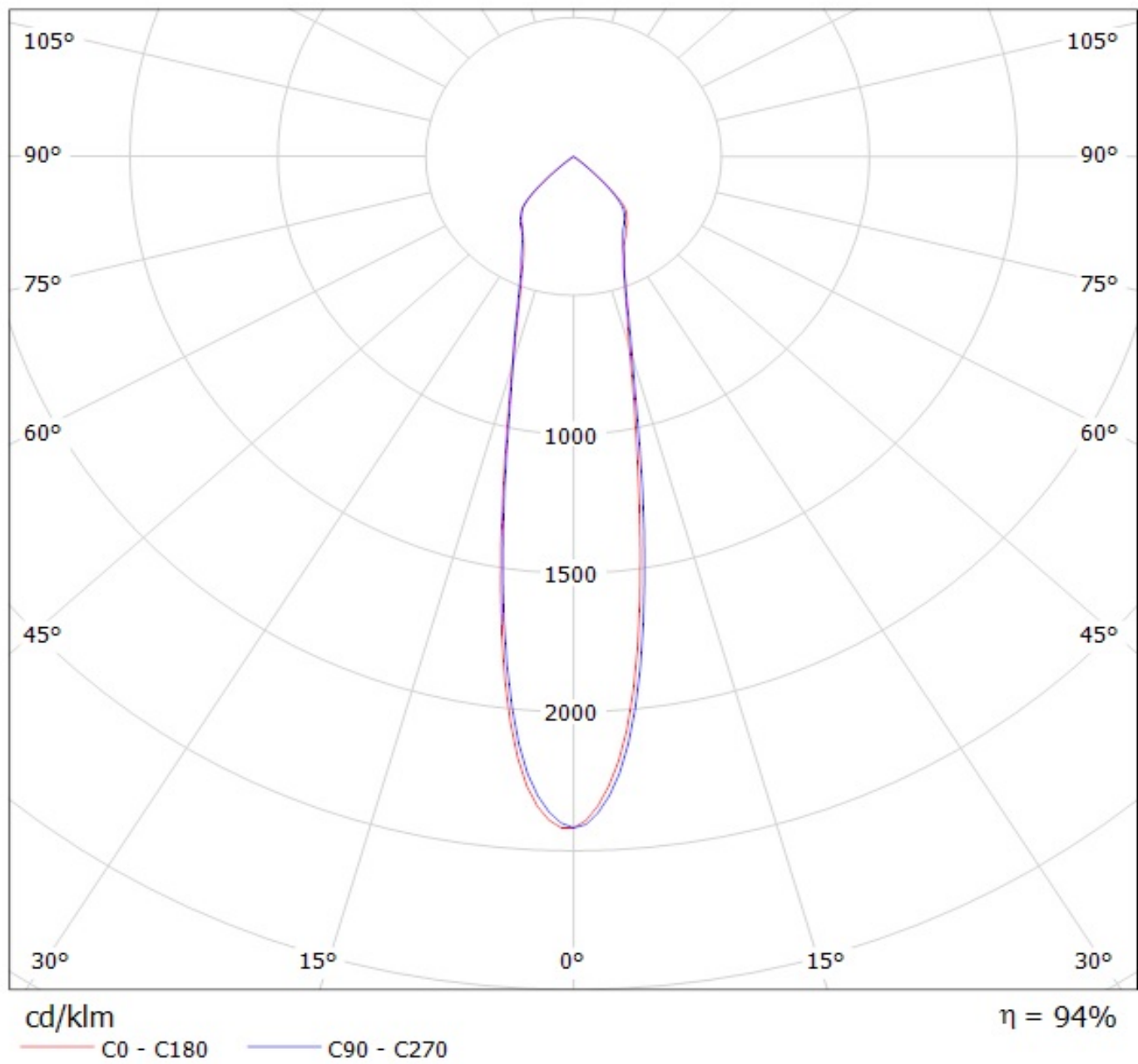


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(ZC12)

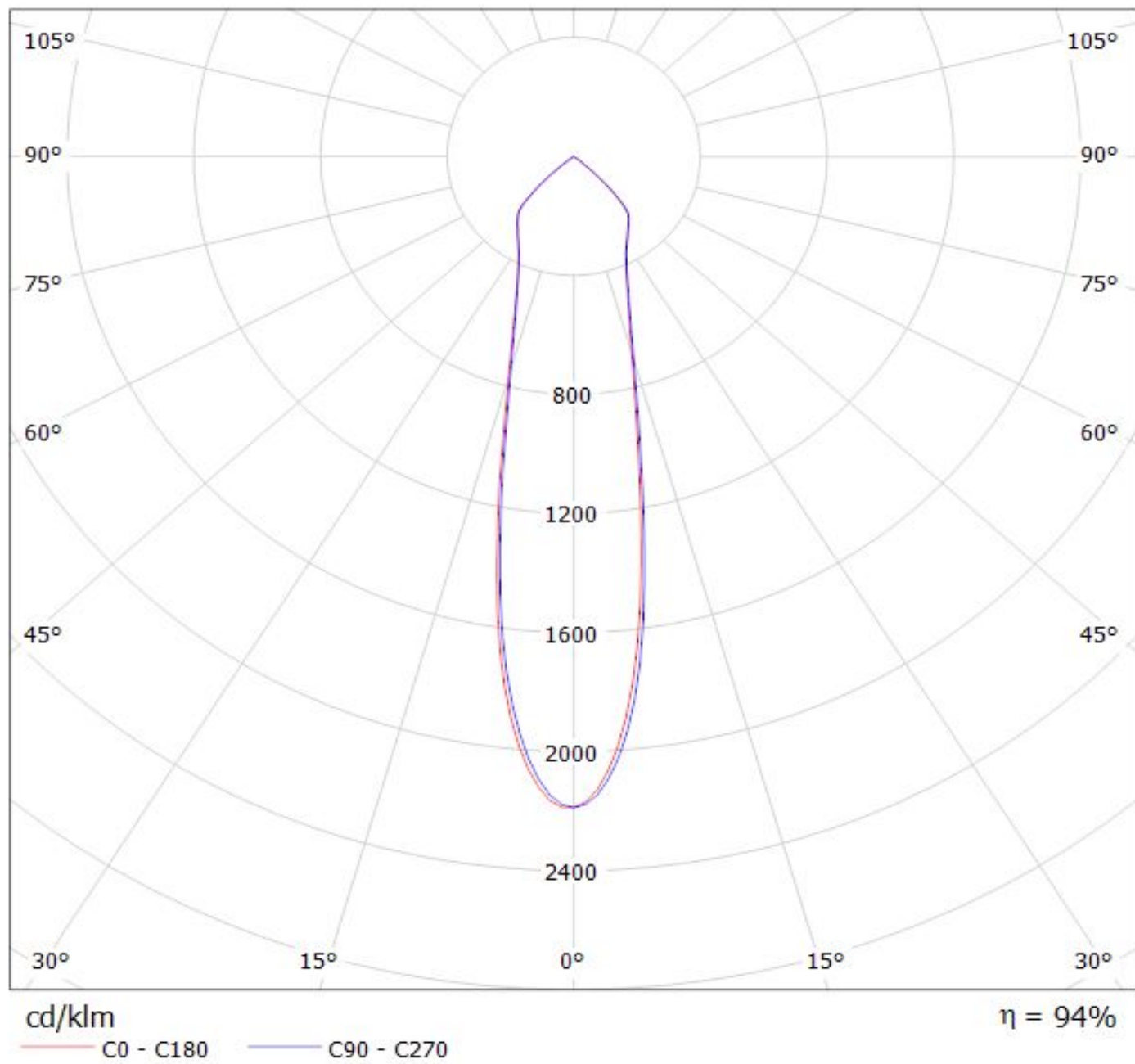
Lamps: 1 x SEOUL_ZC12_(SDW82F1C)_1240.73lm@250mA_P=8.68405W_I=249.8mA



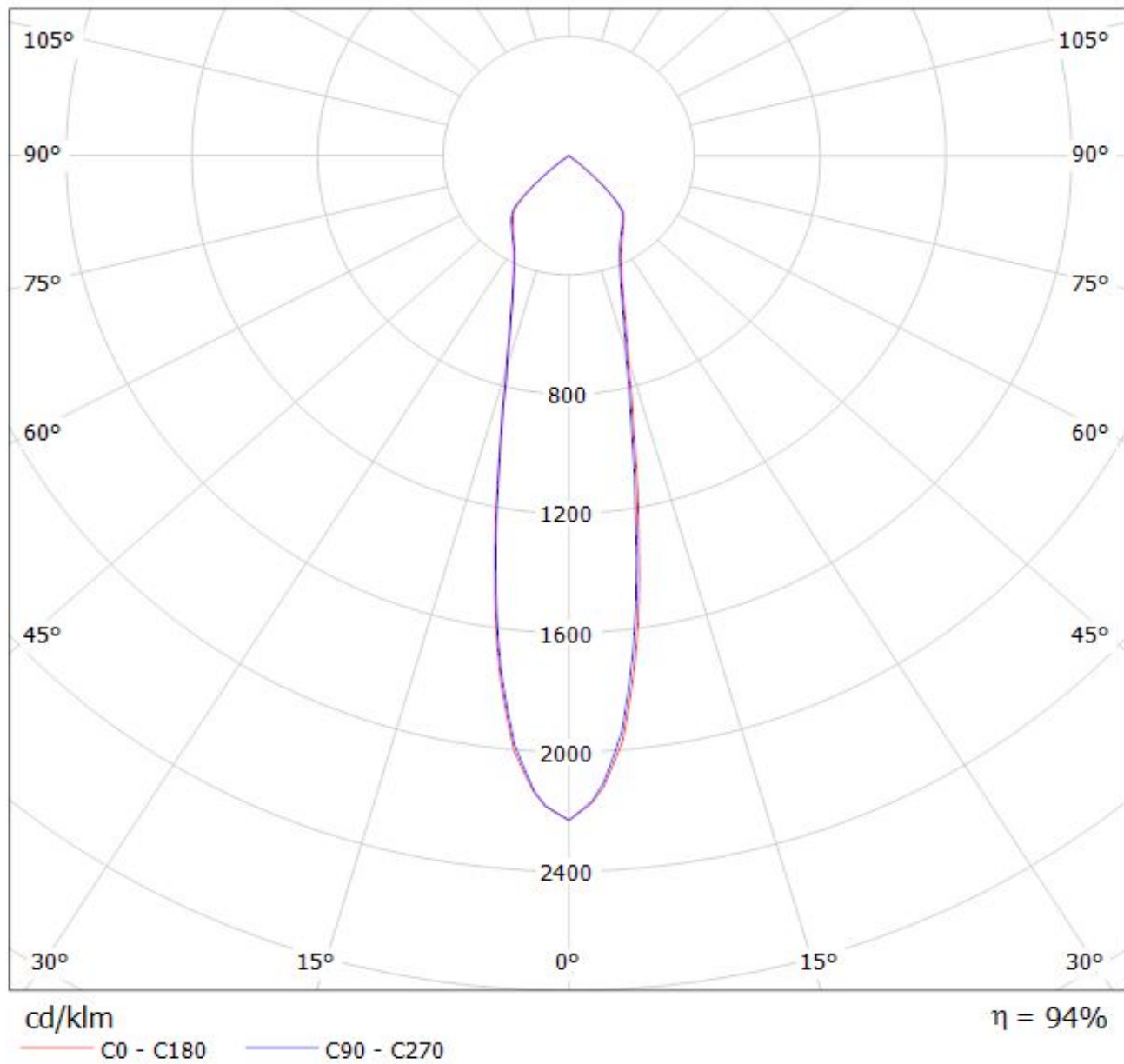
Luminaire: LEDil Oy F13659_ANGELINA-S-B_(CXM-14)
Lamps: 1 x Luminus CXM-14 (1078.95lm @ 250mA) CCT=3100K P=8.5W I=250mA



Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(S19) Eff.93.7%
Lamps: 1 x Osram_SOLERIQ_S19_1434.85lm@250mA_P=10.5595W_I=249.8mA

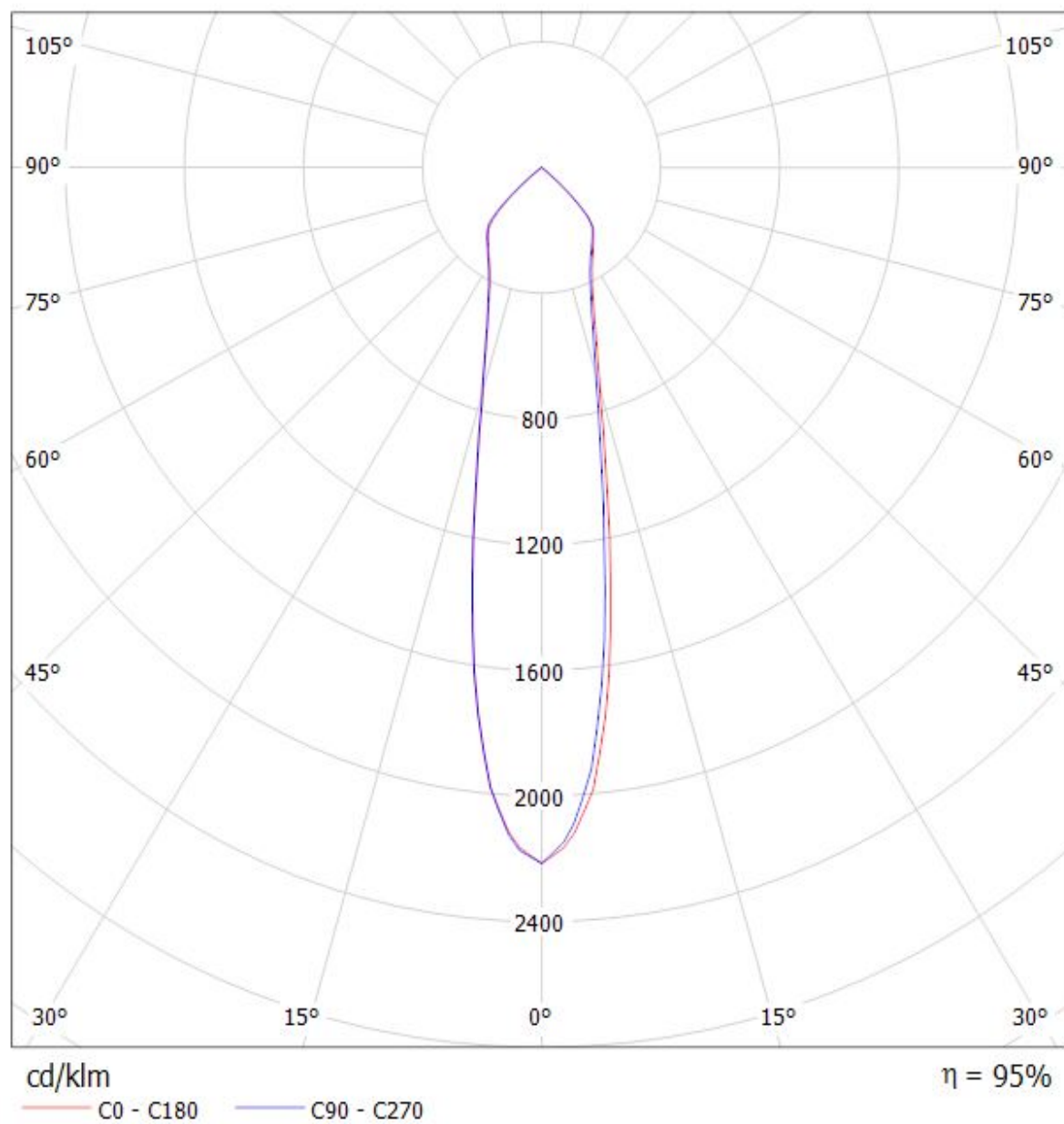


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(Luxeon_CoB_1208)
Lamps: 1 x Luxeon_CoB_1208_1057.71lm@250mA_P=8.26438W_I=249.8mA

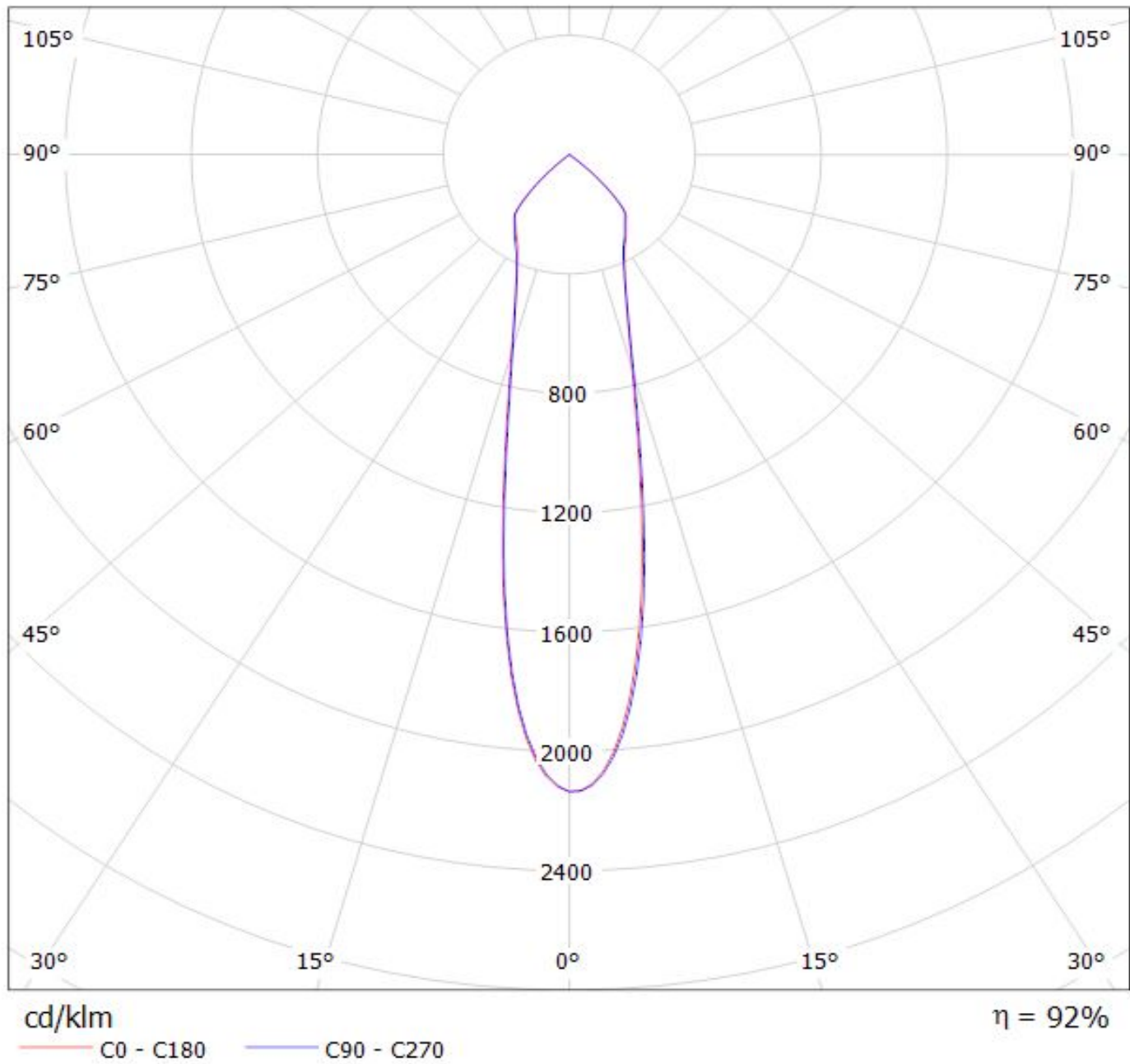


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(MegaZenigata_GW6)

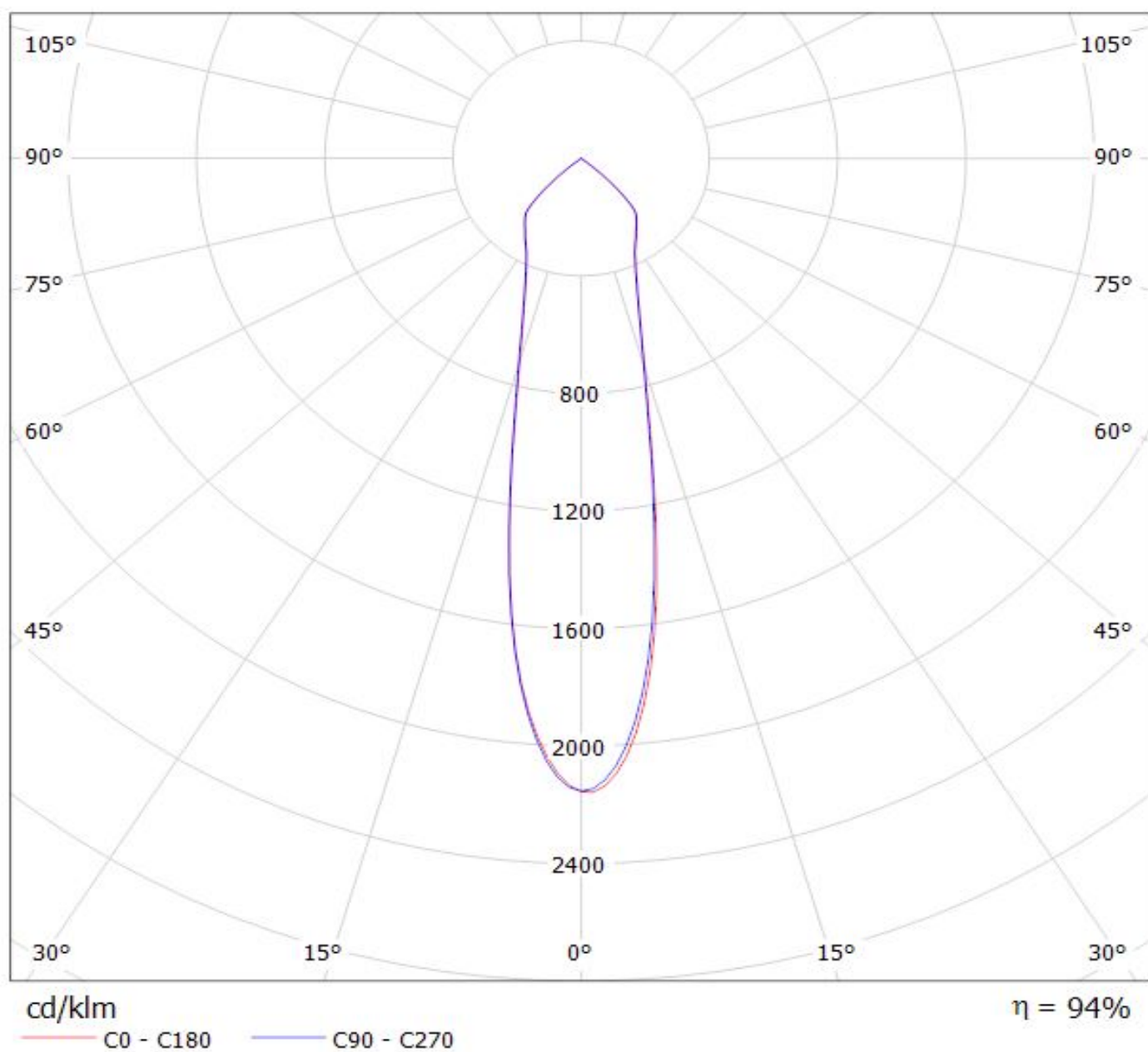
Lamps: 1 x Sharp_MegaZenigata_GW6_(GW6DME30NFC)_1266.19lm@250mA_CCT=3038K_P=11.2151W_I=250.6mA



Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(SLE GEN4 LES19)
Lamps: 1 x SLE GEN4 LES19_1226.28lm@250mA_P=8.21367W_I=0.2498A

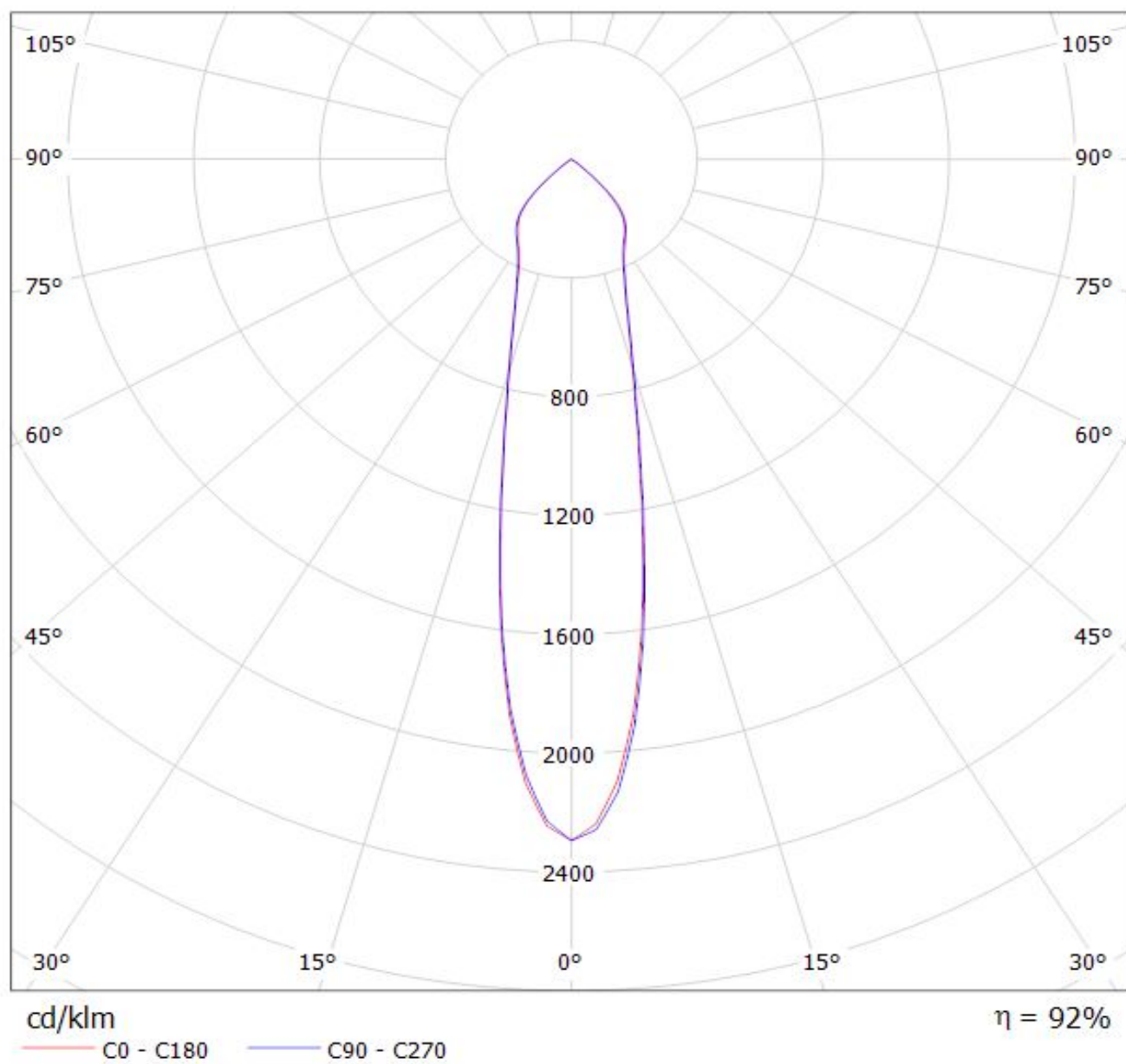


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(Soleriq S19) Eff.93.9%
Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)
_1445.44lm@250mA_CCT=3000K_P=10.558W_I=249.8mA



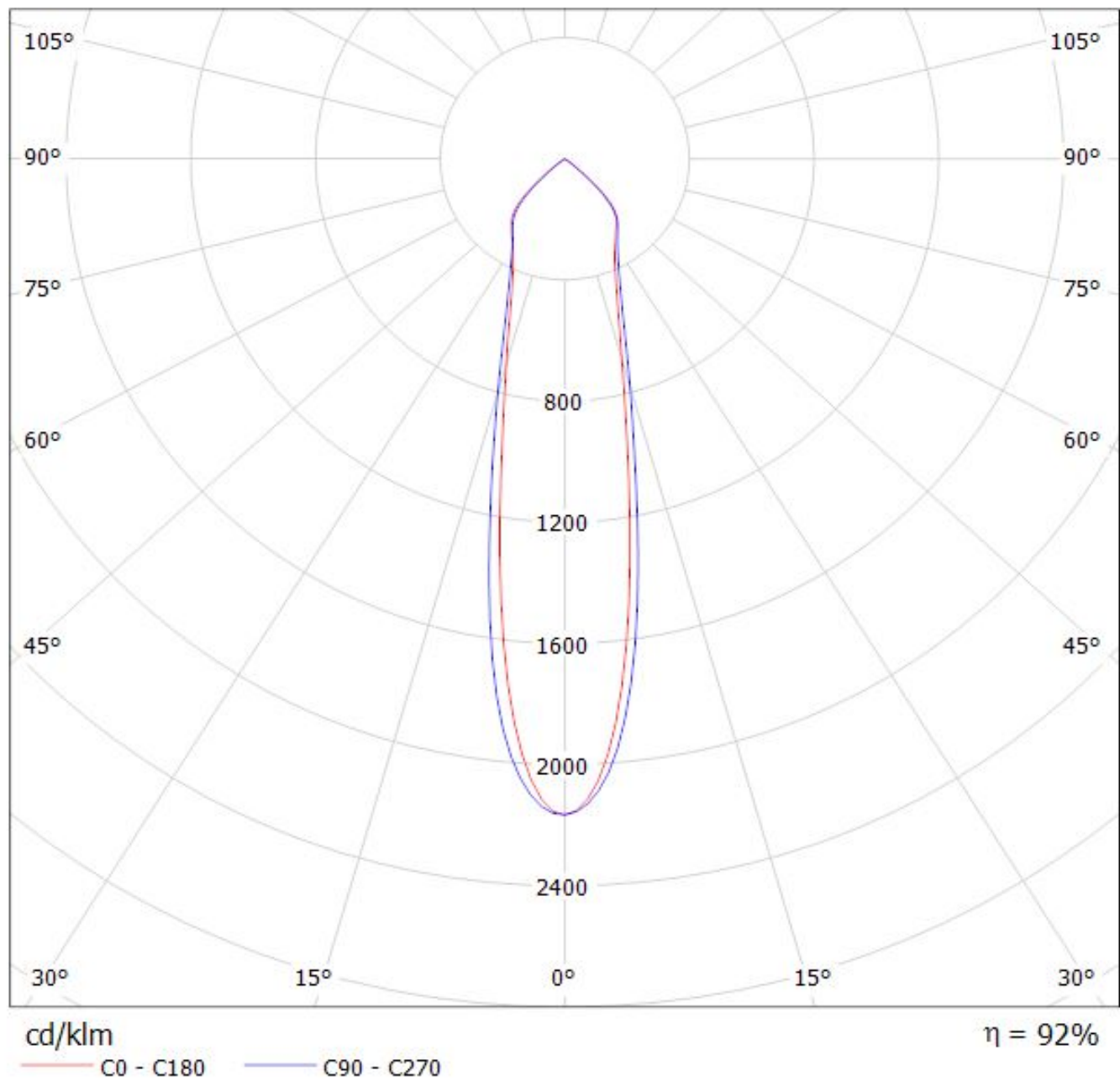
Luminaire: LEDiL F13659_ANGELINA-S-B

Lamps: 1 x CLL030 740lm@250mA (CLL030-1205A5-303H1A7) CCT:3000K P:8.6W



Luminaire: LEDiL F13659_ANGELINA-S-B

Lamps: 1 x BXRA_ES 285lm@250mA (W1206-102820-3110) P:4W

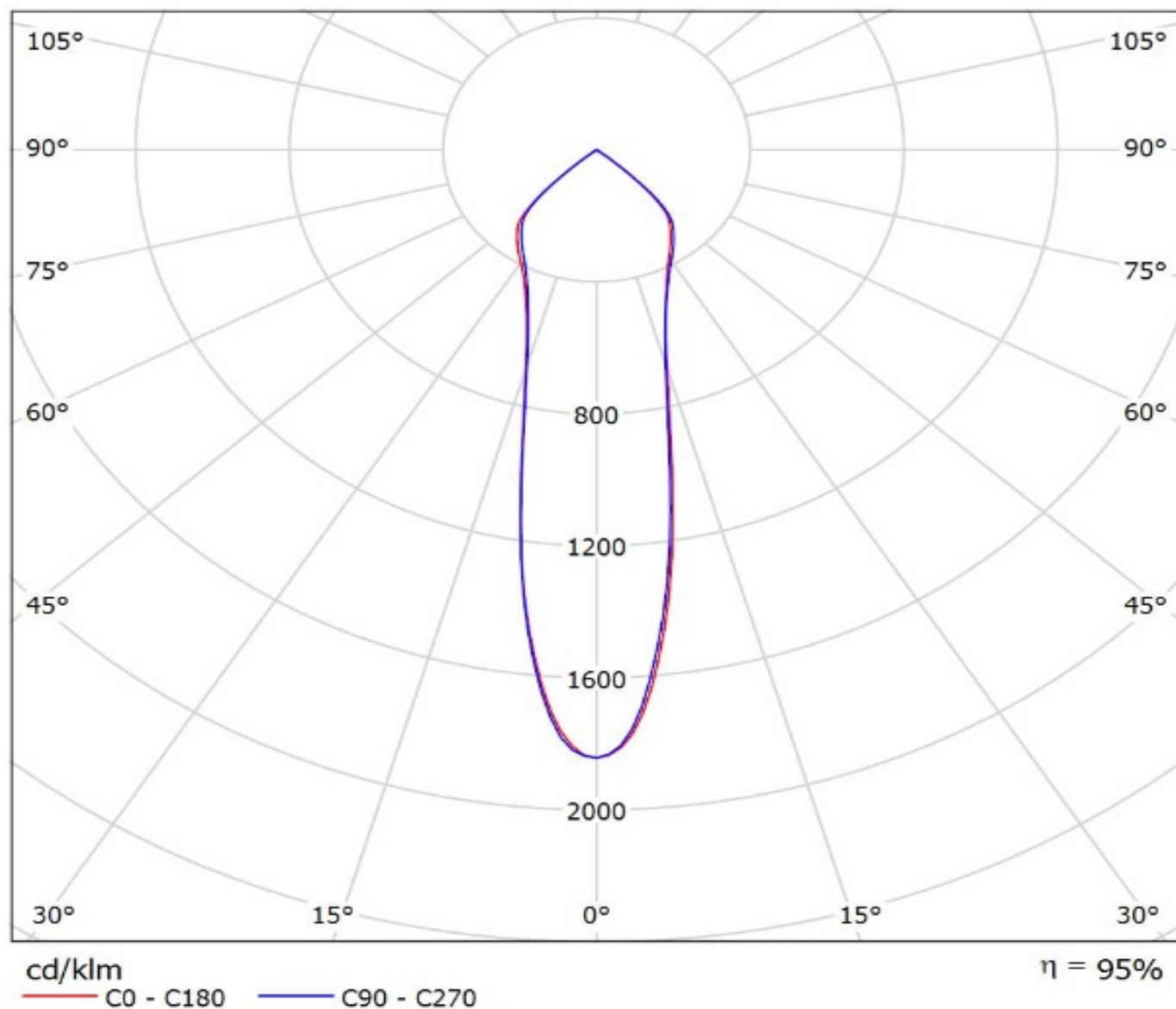


Ledil F13659_ANGELINA-S-B_(Luxeon_K16)_(47_319_2070) / LDC (Polar)

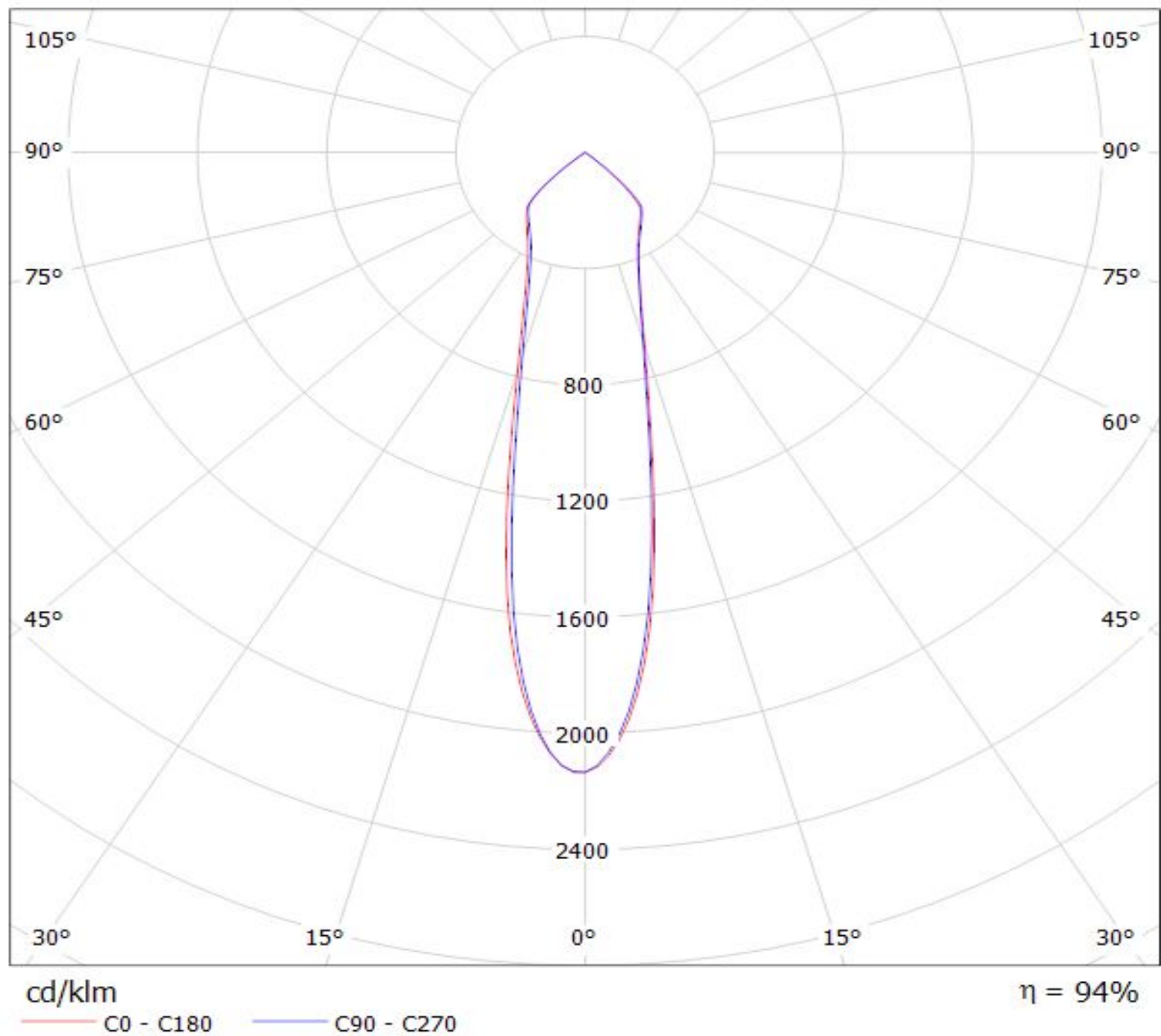
Luminaire: Ledil F13659_ANGELINA-S-B_(Luxeon_K16)_(47_319_2070)

Lamps: 1 x Philips_Lumileds_Luxeon_K16_(BJB.47.319.2070)

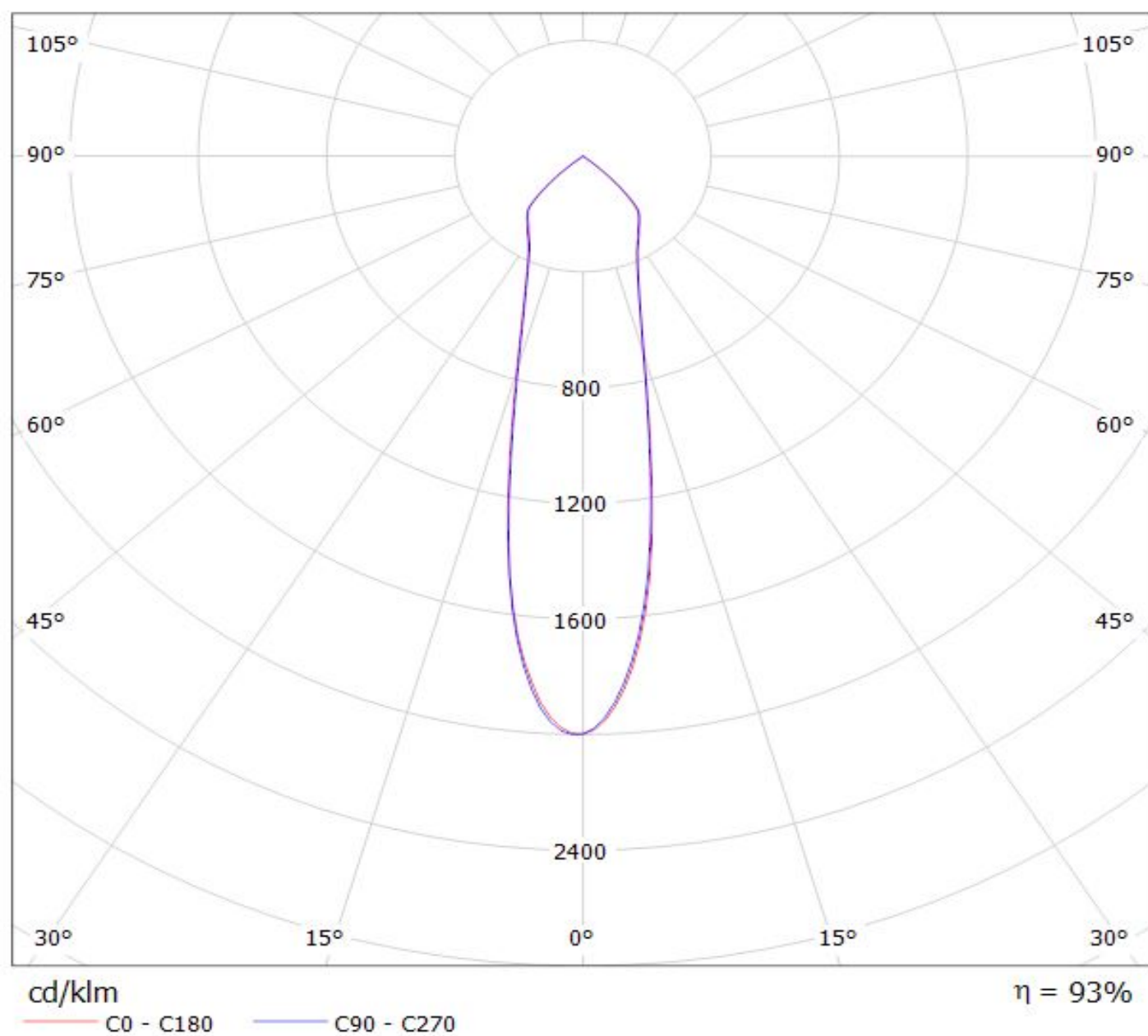
_1276.25lm@250mA_P=10.95525W_I=0.250A



Luminaire: LEDiL Oy F13659_ANGELINA-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

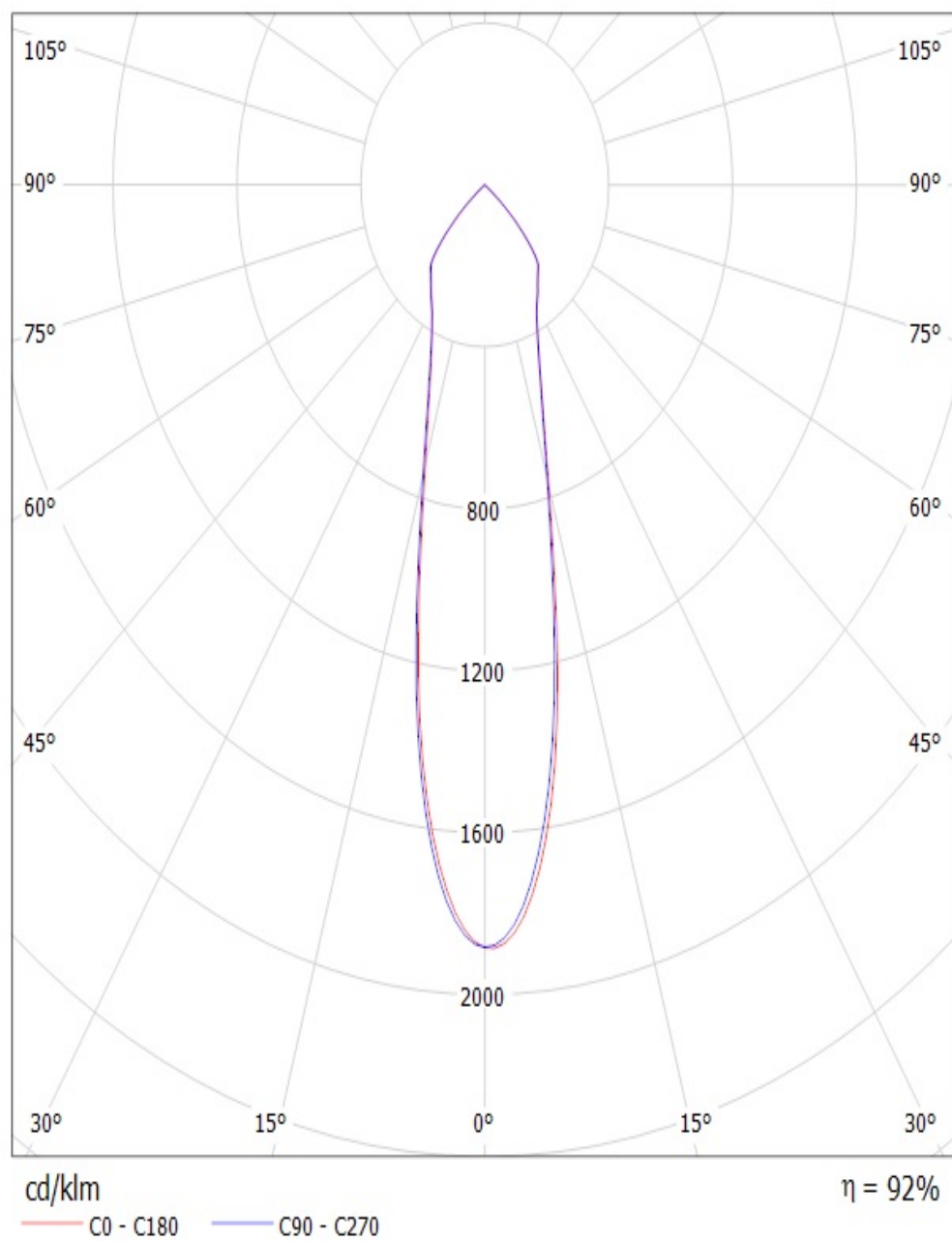


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CXA2590)
Lamps: 1 x CREE_CXA2590_(CXA2590-30F-Z4-RPH-00001)
_837.275lm@100mA_CCT=3000K_P=6.36316W_I=100.1mA

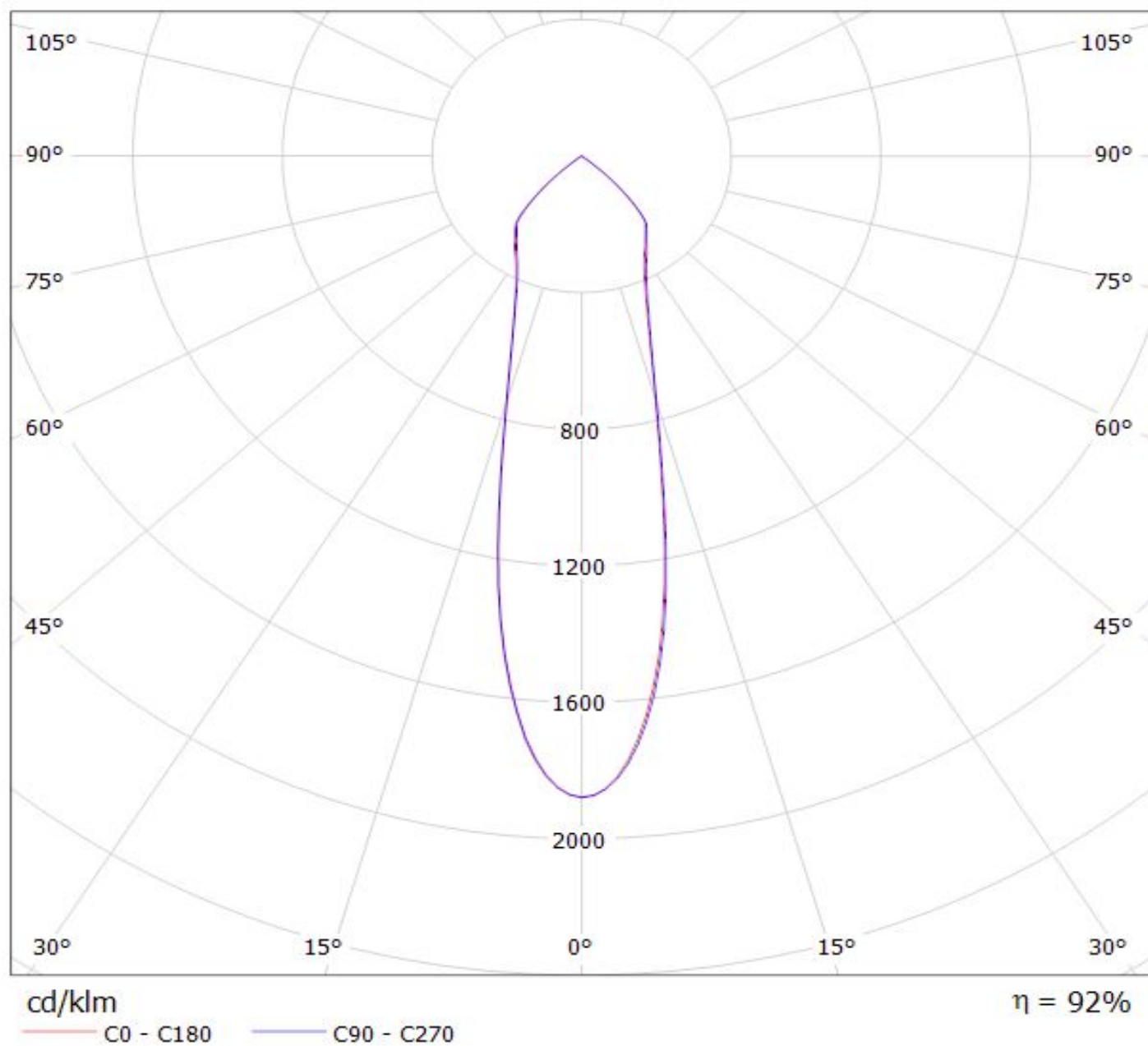


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(Luxeon_CoB_1211)_(BJB2030)

Lamps: 1 x Philips_Lumileds_Luxeon_CoB_1211_(LHC1-5780-1211)_(BJB2030)_1331.52lm@250mA_CCT(approx.)=5700K_P=8.03628W_I=0.2499A

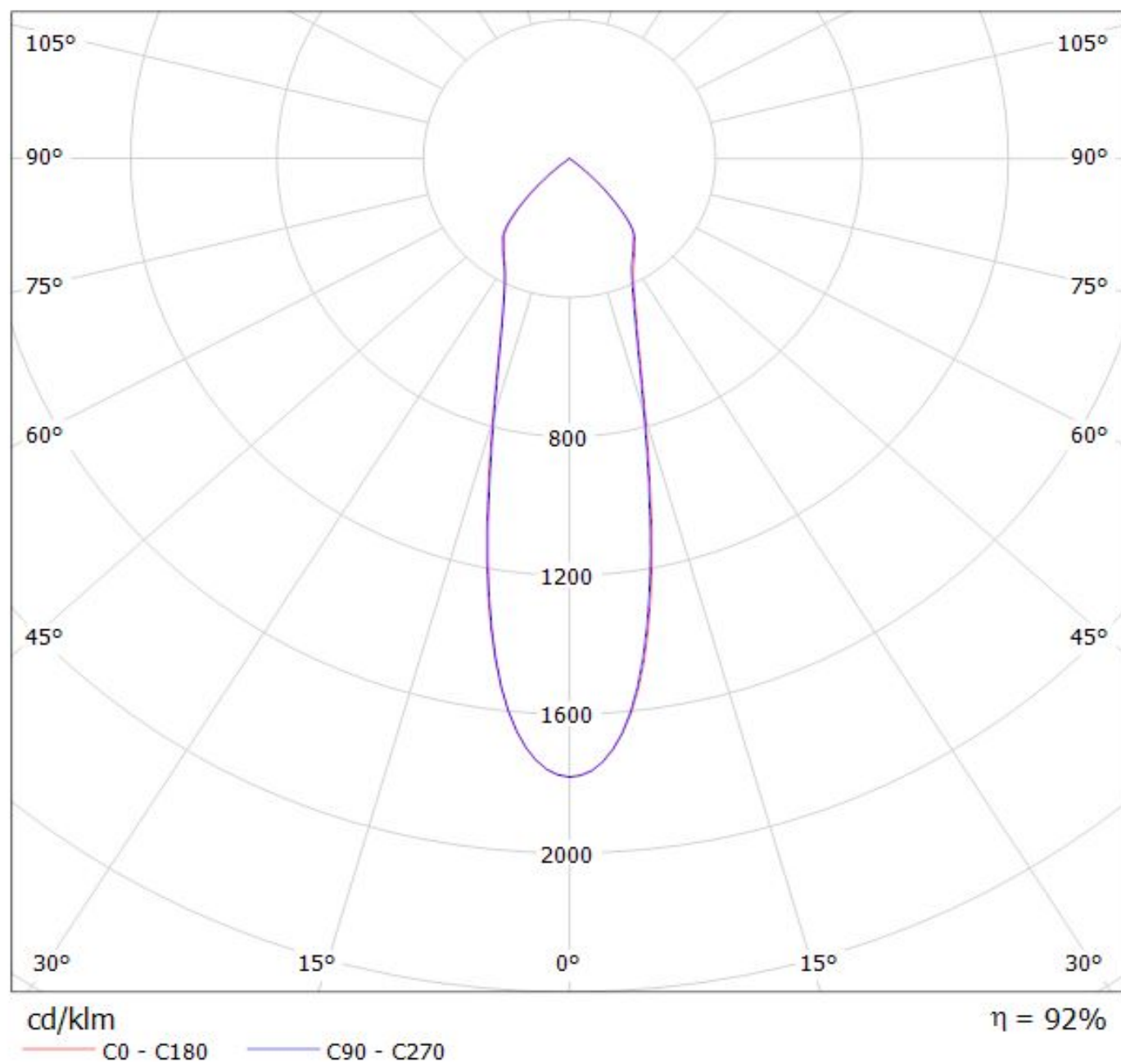


Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(Luxeon_CoB_1211)
Lamps: 1 x LUXEON_COB_1211_(LHC1-2790-1211)
_923.583lm@250mA_CCT=2700K_P=8.00909W_I=249.8mA



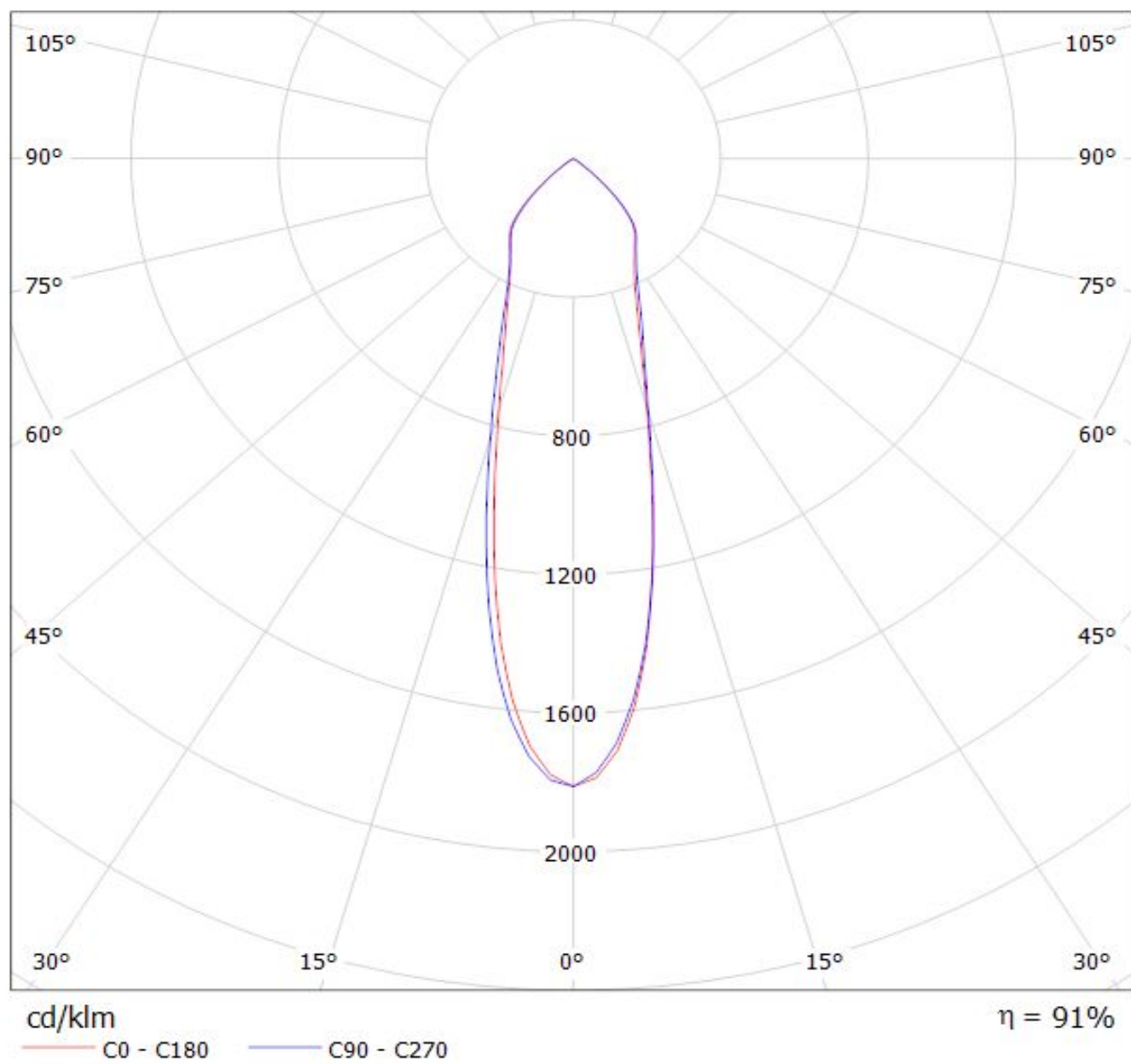
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(SLE G4 LES23)

Lamps: 1 x Tridonic_SLE_G4_LES23_1428.75lm@250mA_P=8.19944W_I=0.2498A



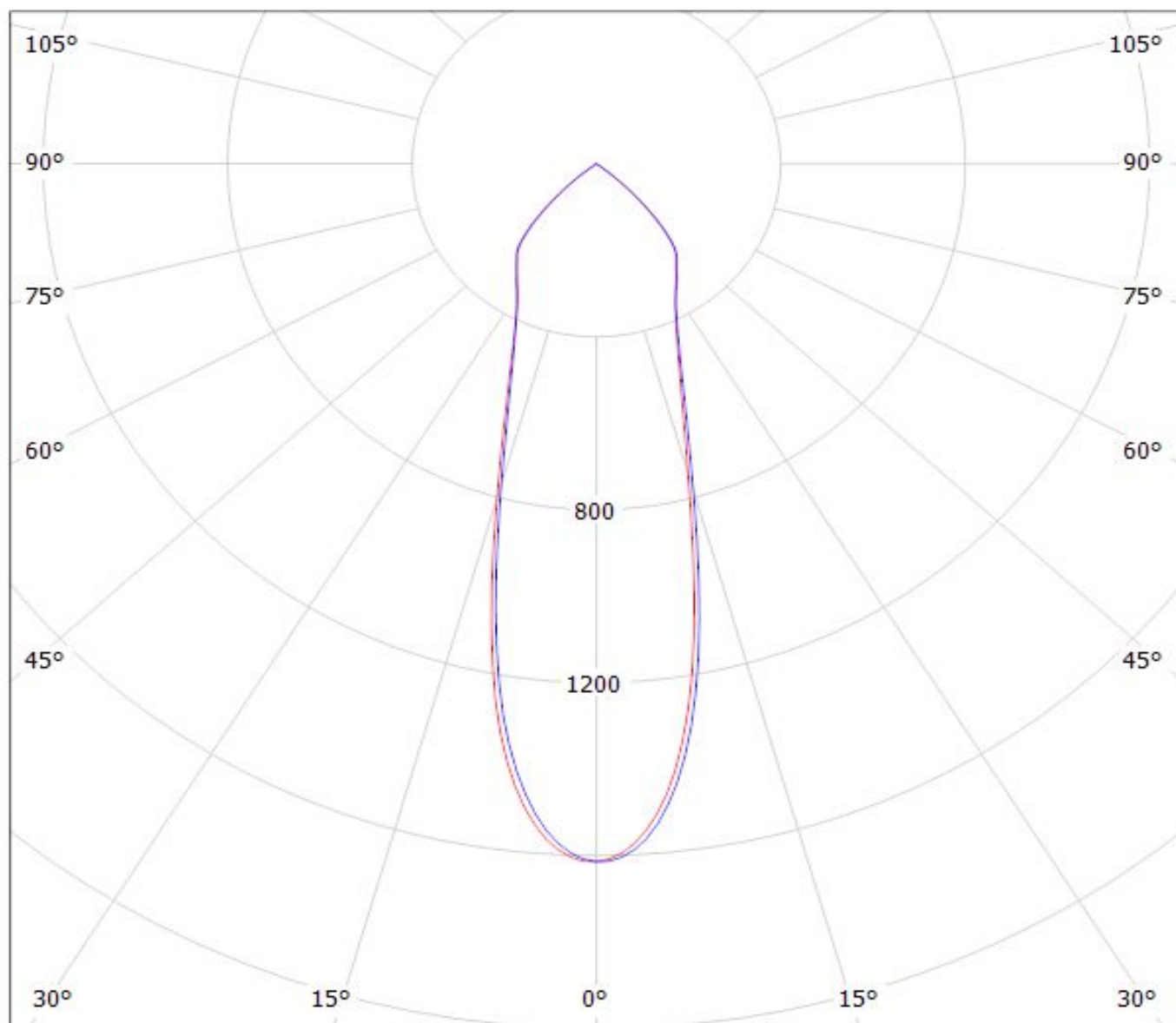
Luminaire: LEDiL F13659_ANGELINA-S-B_(Soleriq_E30)

Lamps: 1 x Soleriq E30 1358lm@250mA (QW KAJRB2.EM-TPTR-50H4) P:10.23W



Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CLU044)

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



cd/klm

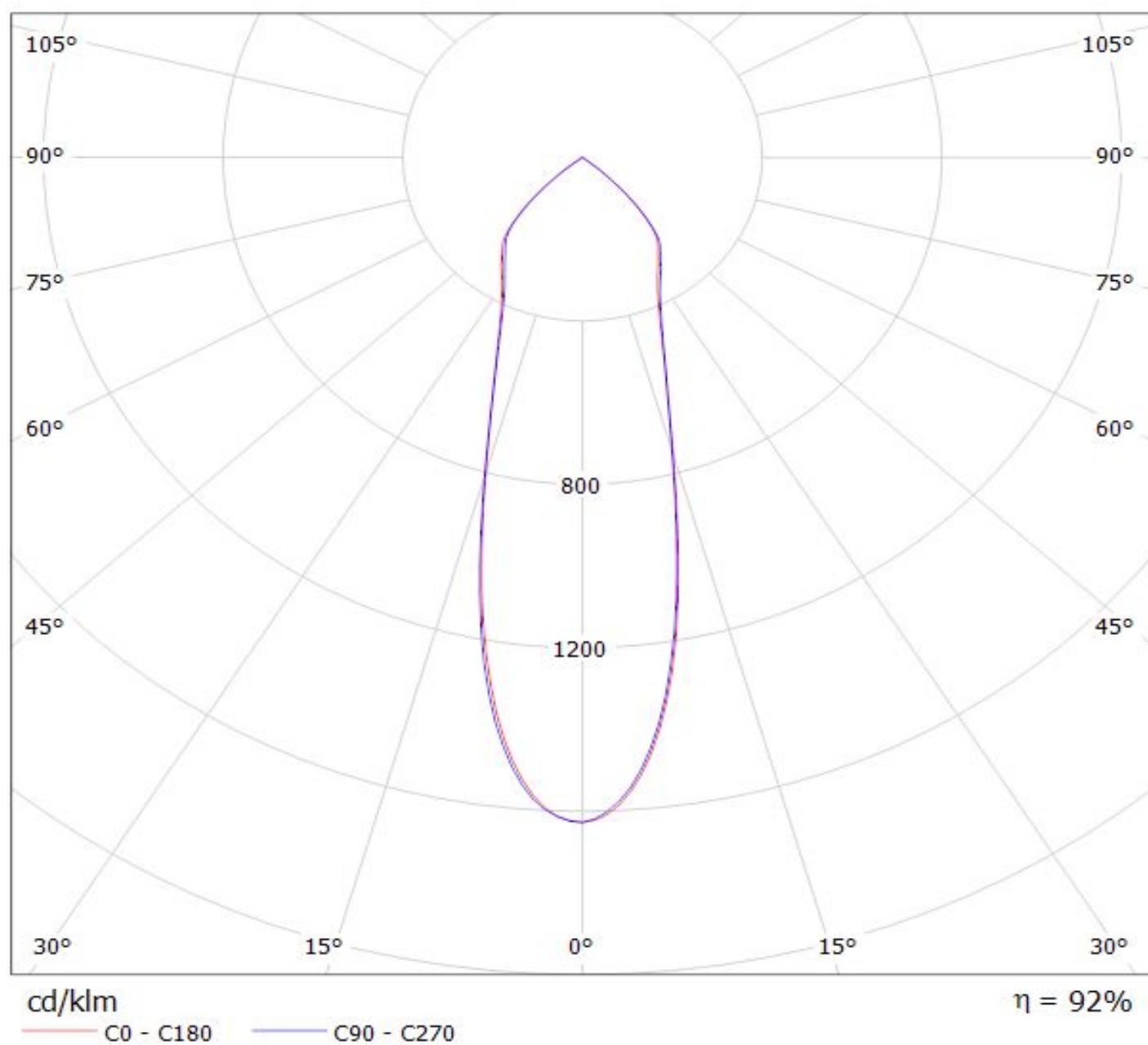
$\eta = 92\%$

C0 - C180

C90 - C270

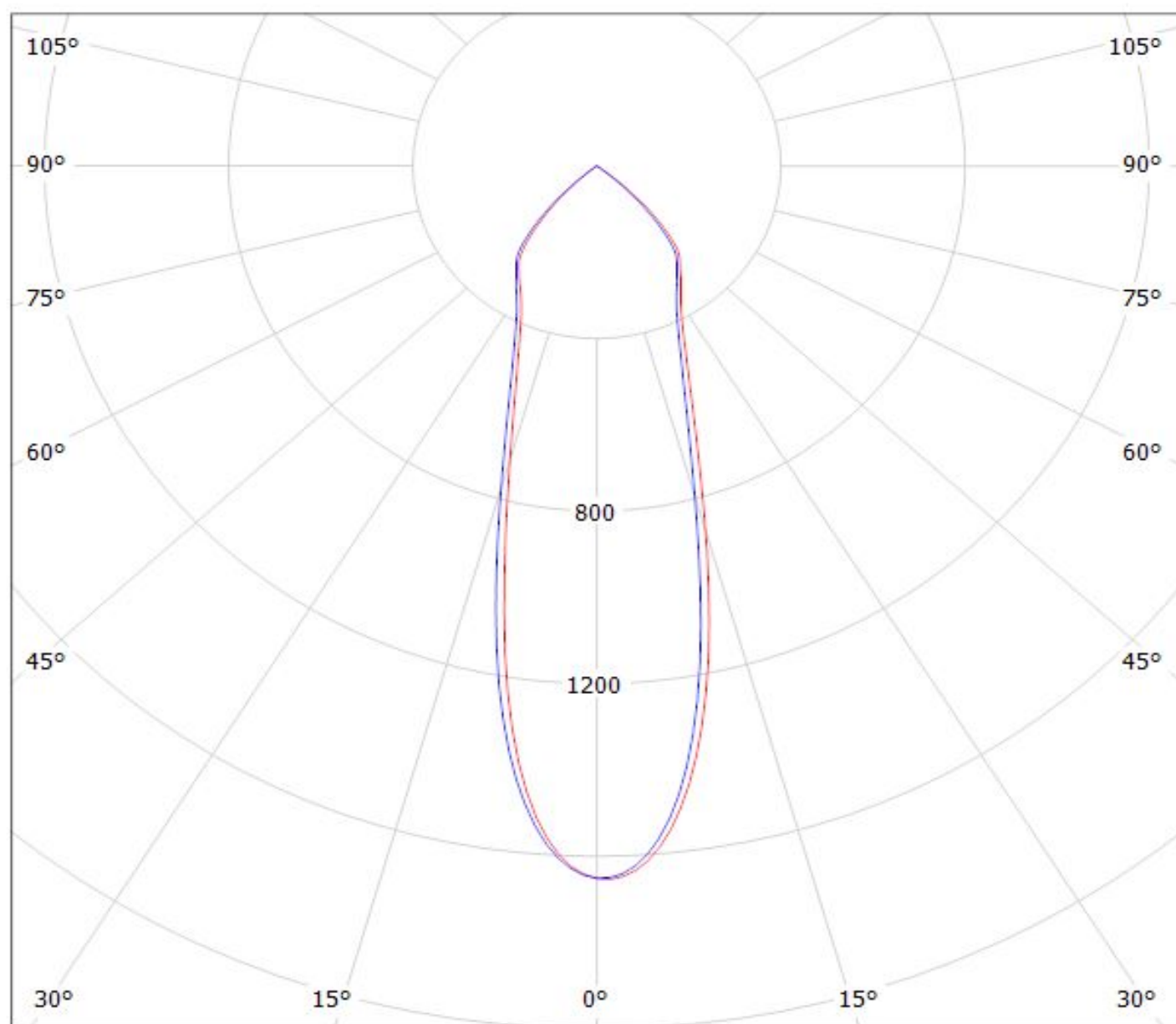
Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(ZC40)

Lamps: 1 x SEOUL_ZC40_(SBWW5F1B)_1185.55lm@250mA_P=8.2384W_I=249.8mA



Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CXA30)

Lamps: 1 x Cree_CXA30_(CXA3050-3C0-Y2-N0H)_1395.36lm@250mA_P=8.20318W_I=249.8mA



cd/klm

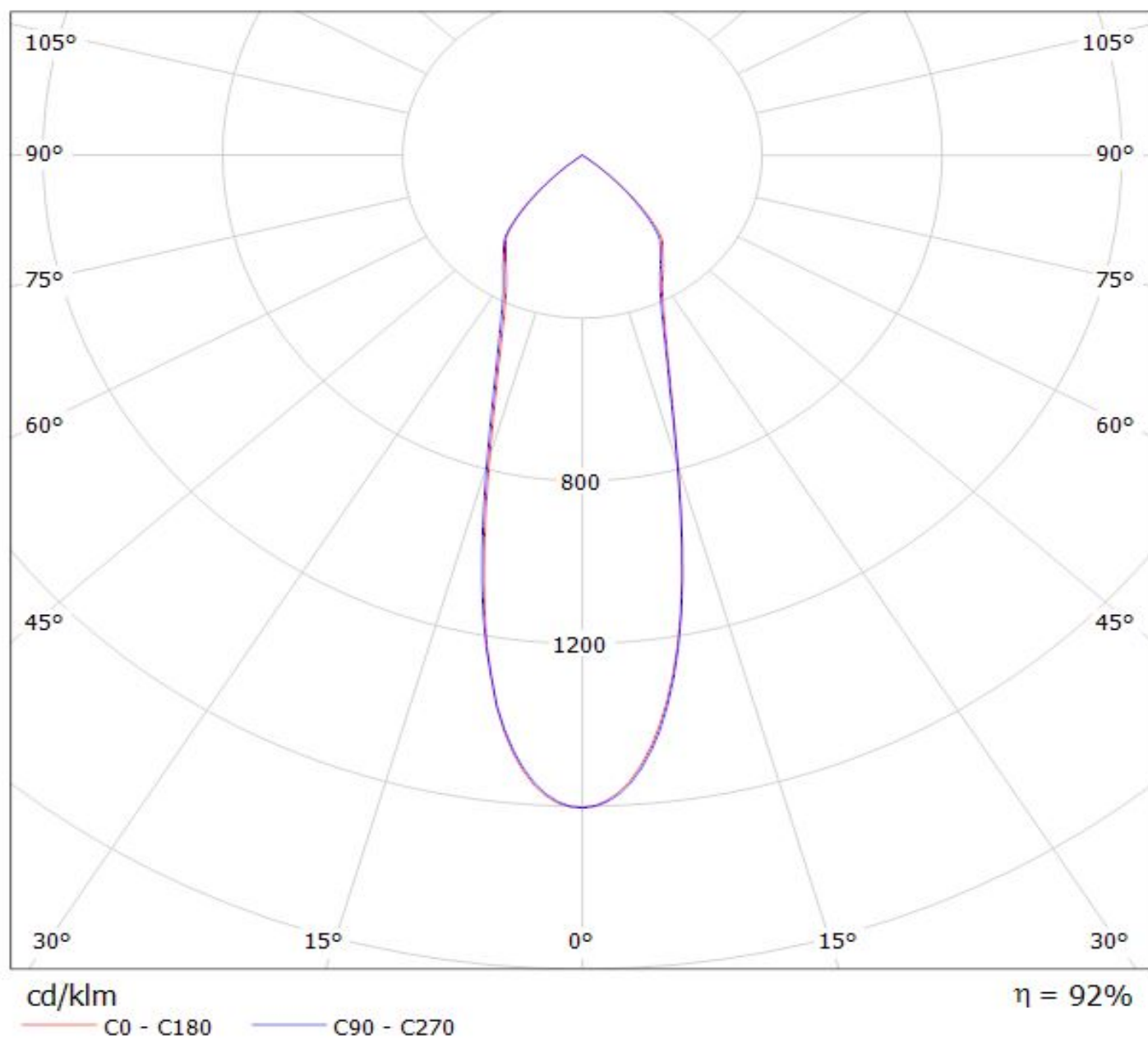
$\eta = 92\%$

— C0 - C180

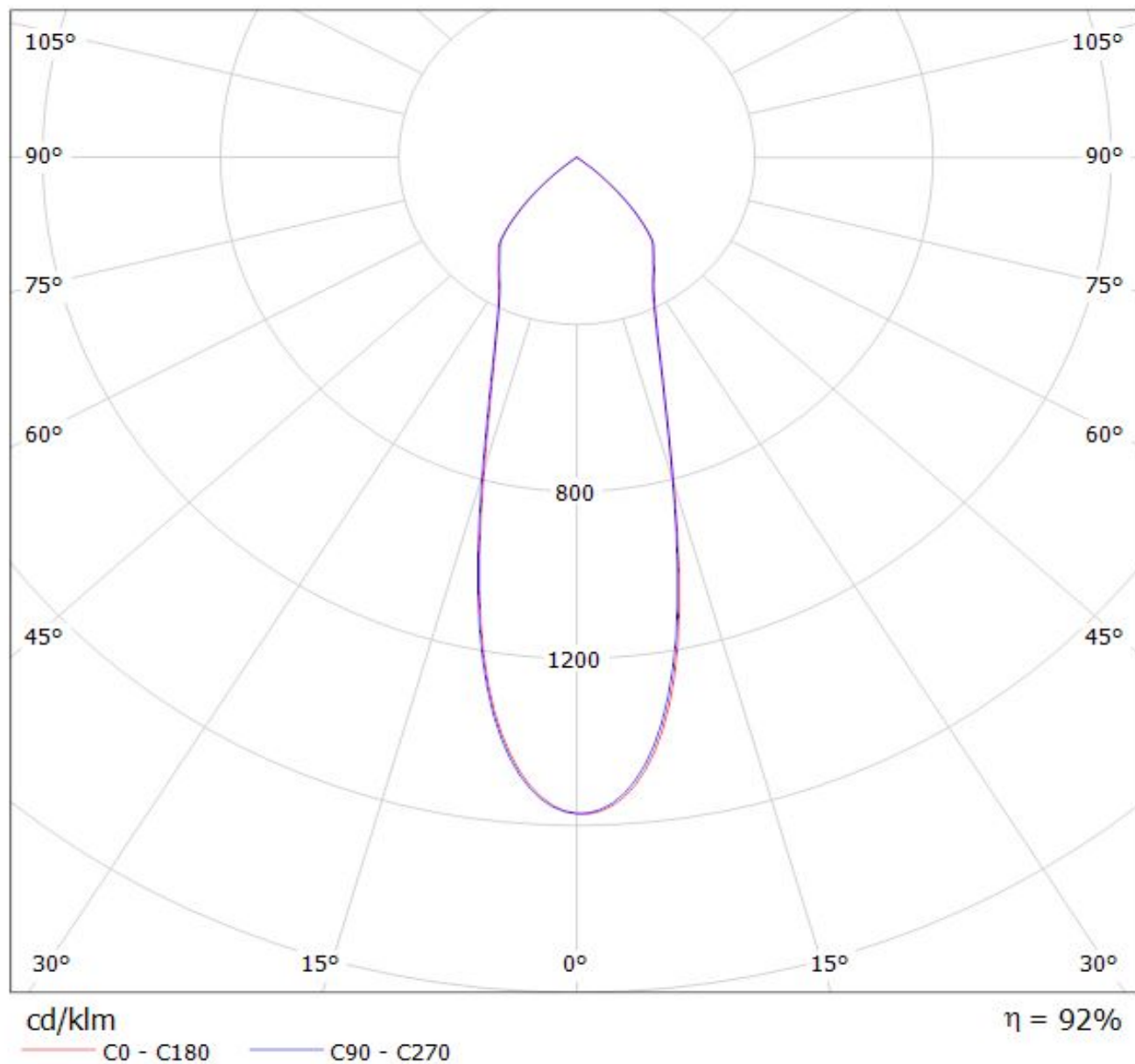
— C90 - C270

Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(COB_40W)

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



Luminaire: LEDiL Oy F13659_ANGELINA-S-B_(CXM-22) Eff.92.2%
Lamps: 1 x LUMINUS_CXM-22_1221.8lm@250mA_P=8.00809W_CCT=3000K_I=249.8mA



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.

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.