

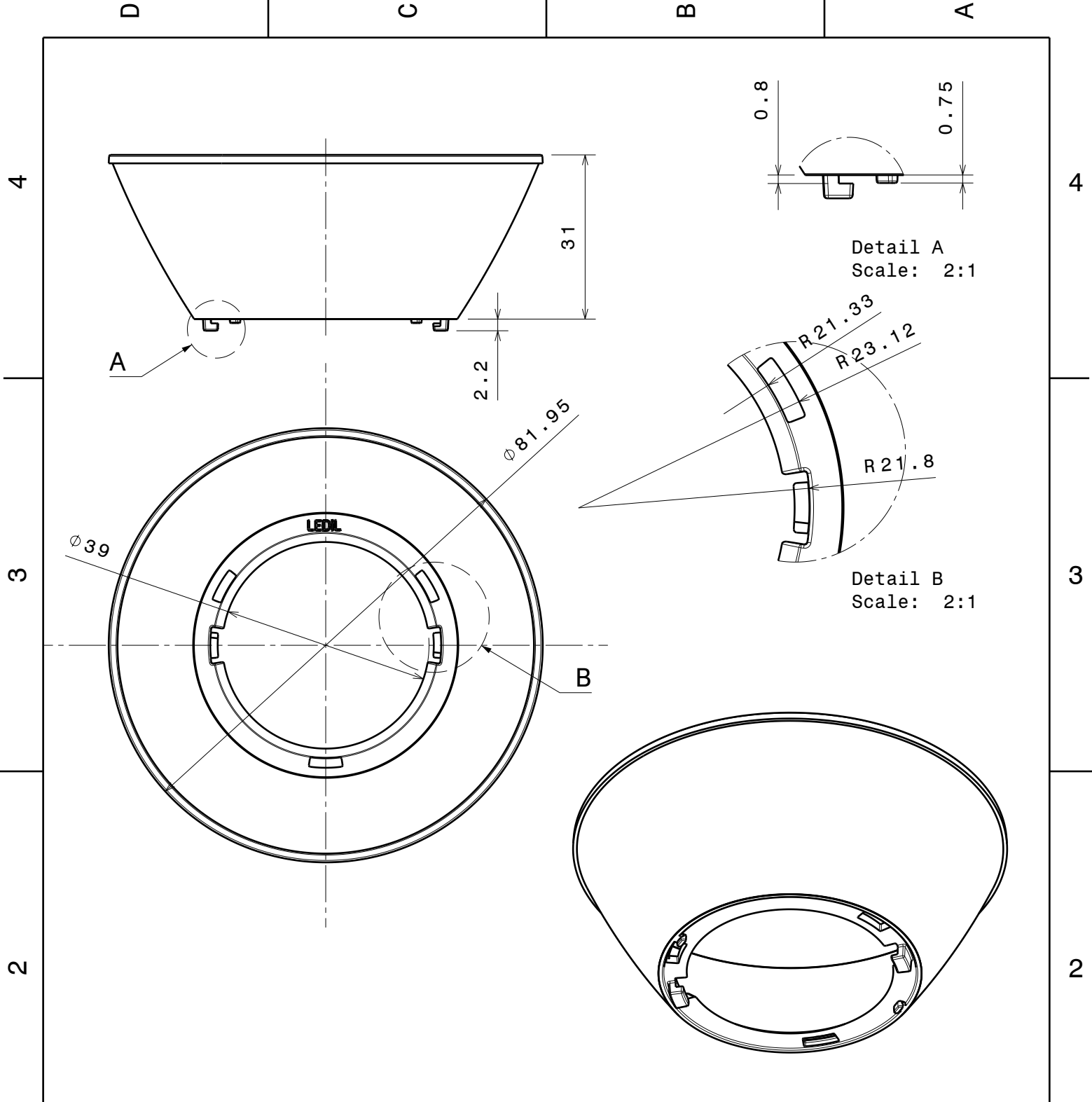
DETAILS

Product Number	F13661_ANGELINA-W-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

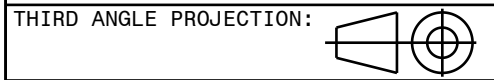
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
LUXEON K16	sim: 46	Wide	-	sim: 0.000	BJB: Solderless Connector 47.319.2070
CLL04x/CLU044	sim: 52	Wide	sim: 95 %	sim: 1.100	BJB: Solderless Connector 47.319.2030
COB 10W/13W/17W/24W	sim: 53	Wide	-	sim: 0.000	BJB: Solderless Connector 47.319.2080
LUXEON K12	sim: 46	Wide	-	sim: 0.000	BJB: Solderless Connector 47.319.2070
CLU730	sim: 52	Wide	sim: 93 %	sim: 1.080	BJB: Solderless Connector 47.319.2030
SLE G4 LES19 H	34 deg	Wide	81 %	1.600	-
Soleriq P13	47 deg	Wide	93 %	1.080	A.A.G. STUCCHI: 8502/G2
CLL03x/CLU034	49 deg	Wide	92 %	1.000	BJB: Solderless Connector 47.319.2021
CLU720	49 deg	Wide	93 %	1.000	BJB: Solderless Connector 47.319.2021
CLU720	51 deg	Wide	94 %	0.950	A.A.G. STUCCHI: 8101/G2
CXM-14	51 deg	Wide	93 %	0.970	BJB: Solderless Connector 47.319.2021
COB 10W/13W/17W/24W	52 deg	Wide	94 %	0.940	A.A.G. STUCCHI: 8600/G2
Soleriq S13	52 deg	Wide	94 %	0.950	A.A.G. STUCCHI: 8502/G2
LUXEON CoB 1204/1205	53 deg	Wide	94 %	0.940	A.A.G. STUCCHI: 8301/G2
Soleriq E30	54 deg	Wide	90 %	0.940	BJB: Solderless Connector 47.319.2011
ZC12/18	54 deg	Wide	93 %	0.920	A.A.G. STUCCHI: 8101/G2
Soleriq S19	55 deg	Wide	93 %	0.900	A.A.G. STUCCHI: 8503/G2
LUXEON CoB 1208	55 deg	Wide	93 %	0.900	A.A.G. STUCCHI: 8301/G2
Mega Zenigata (GW6DME)	55 deg	Wide	94 %	0.910	A.A.G. STUCCHI: 8301/G2
CLL03x/CLU034	55 deg	Wide	94 %	0.900	A.A.G. STUCCHI: 8101/G2
Soleriq S19	55 deg	Wide	93 %	0.900	BJB: Solderless Connector 47.319.2170
STARK SLE PURE G3 LES17	56 deg	Wide	93 %	0.890	A.A.G. STUCCHI: 8101/G2
SLE G4 LES23 H	57 deg	Wide	92 %	0.890	-
CXA/B 25xx	57 deg	Wide	93 %	0.870	A.A.G. STUCCHI: 8401/G2
LUXEON CoB 1211	58 deg	Wide	92 %	0.870	BJB: Solderless Connector 47.319.2030



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



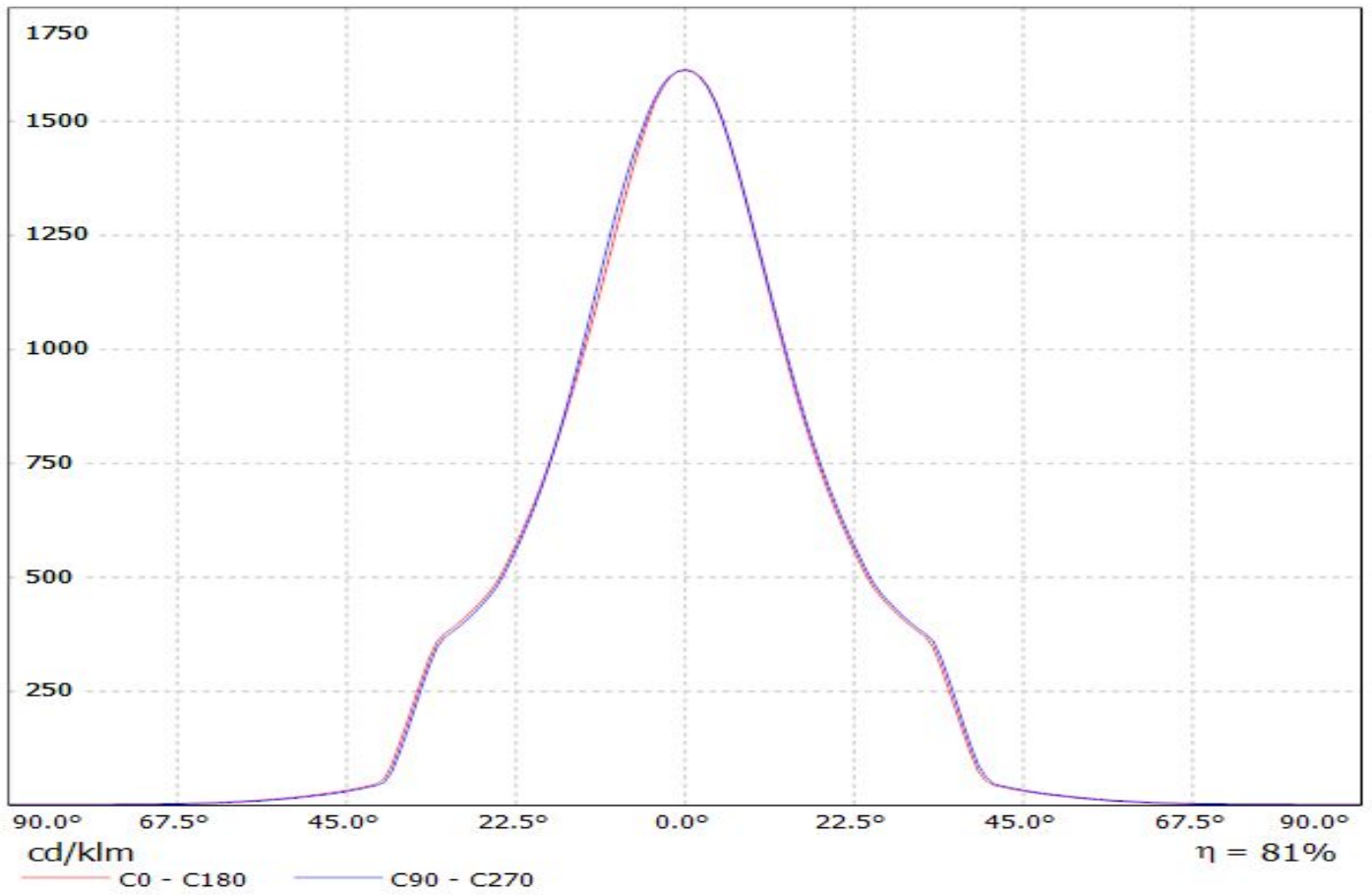
DRAWING TITLE
ANGELINA-B series Reflector

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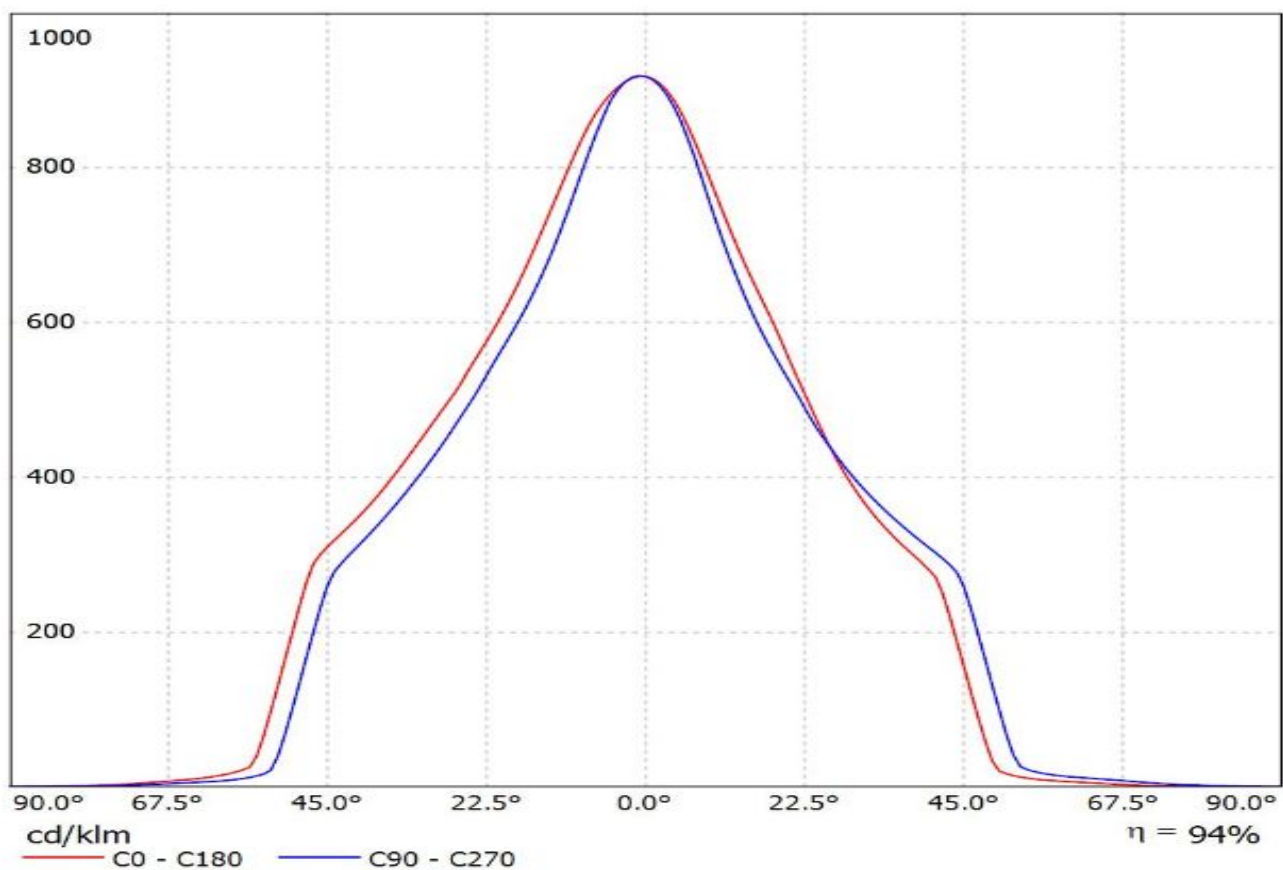
SIZE	PART NUMBER
A4	-

SCALE	1:1	WEIGHT	-	SHEET	1/1
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Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(SLE GEN4 LES19)
Lamps: 1 x SLE GEN4 LES19_1227.01lm@250mA_P=8.21492W_I=0.2498A



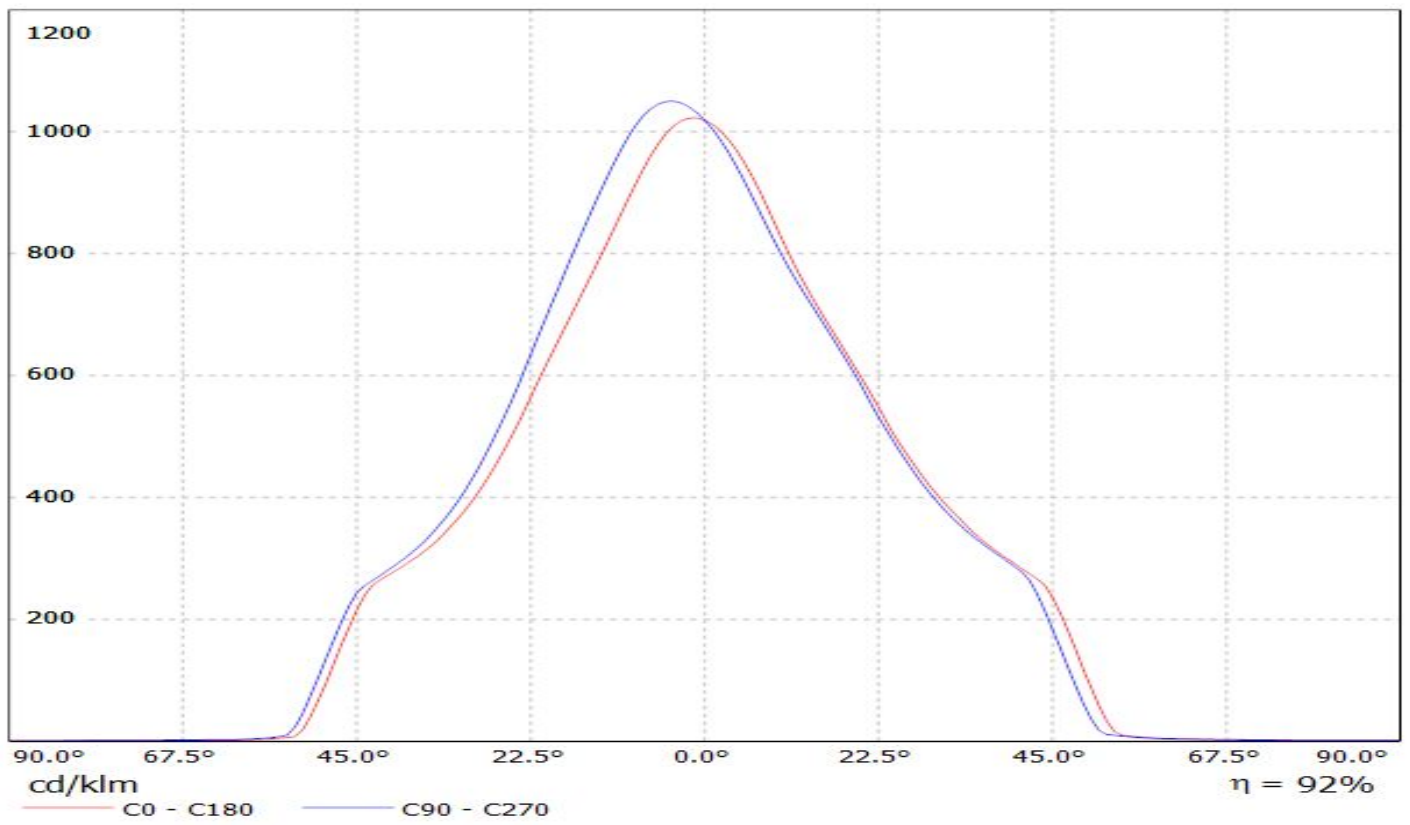
Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(SOLERIQ_P13) Eff.93.6%
Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_1053.65lm@250mA_CCT=3000K_P=8.82044W_I=249.8mA



LEDiL Oy C13661_ANGELINA-W-B_(CLL030) Eff.92.0% / LDC (Linear)

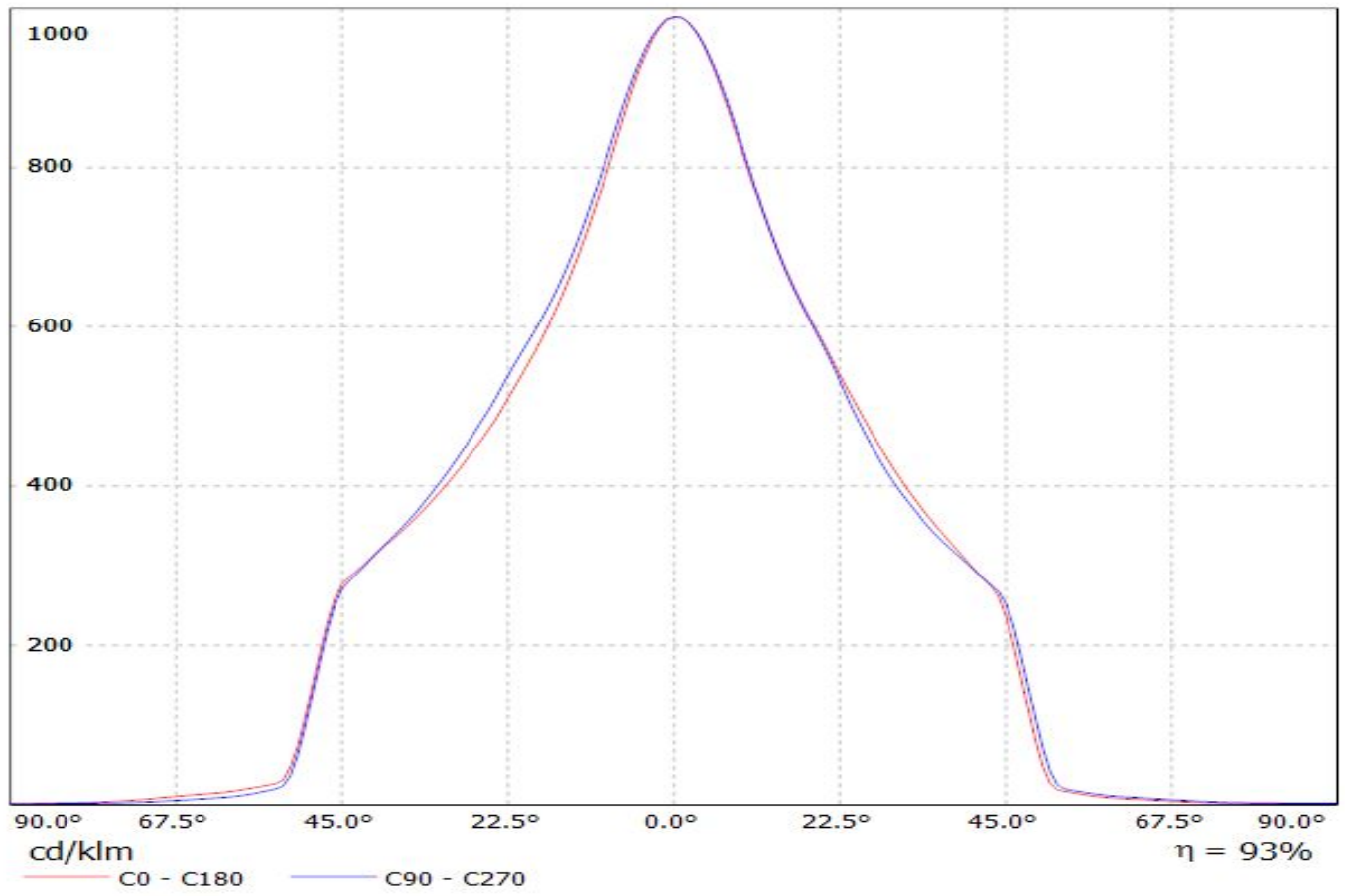
Luminaire: LEDiL Oy C13661_ANGELINA-W-B_(CLL030) Eff.92.0%

Lamps: 1 x CITIZEN_CLL030_(CLL030-1205A5-303H1A7) 797.292lm@250mA CCT=3000K P=8.65307W I=249.8mA

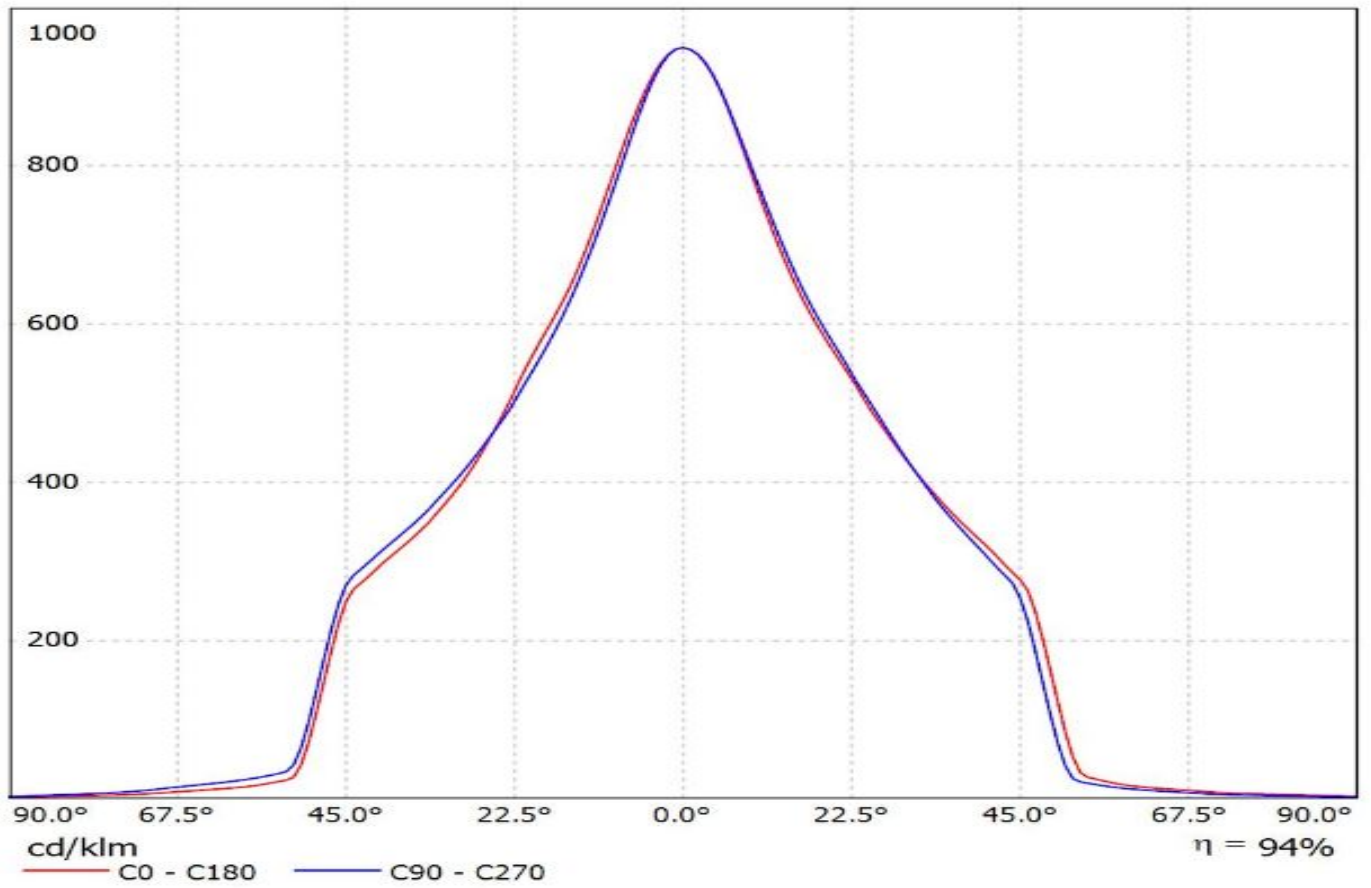


Luminaire: LEDiL Oy F13661_ANGELINA-W-B (CITIZEN_CLU720)

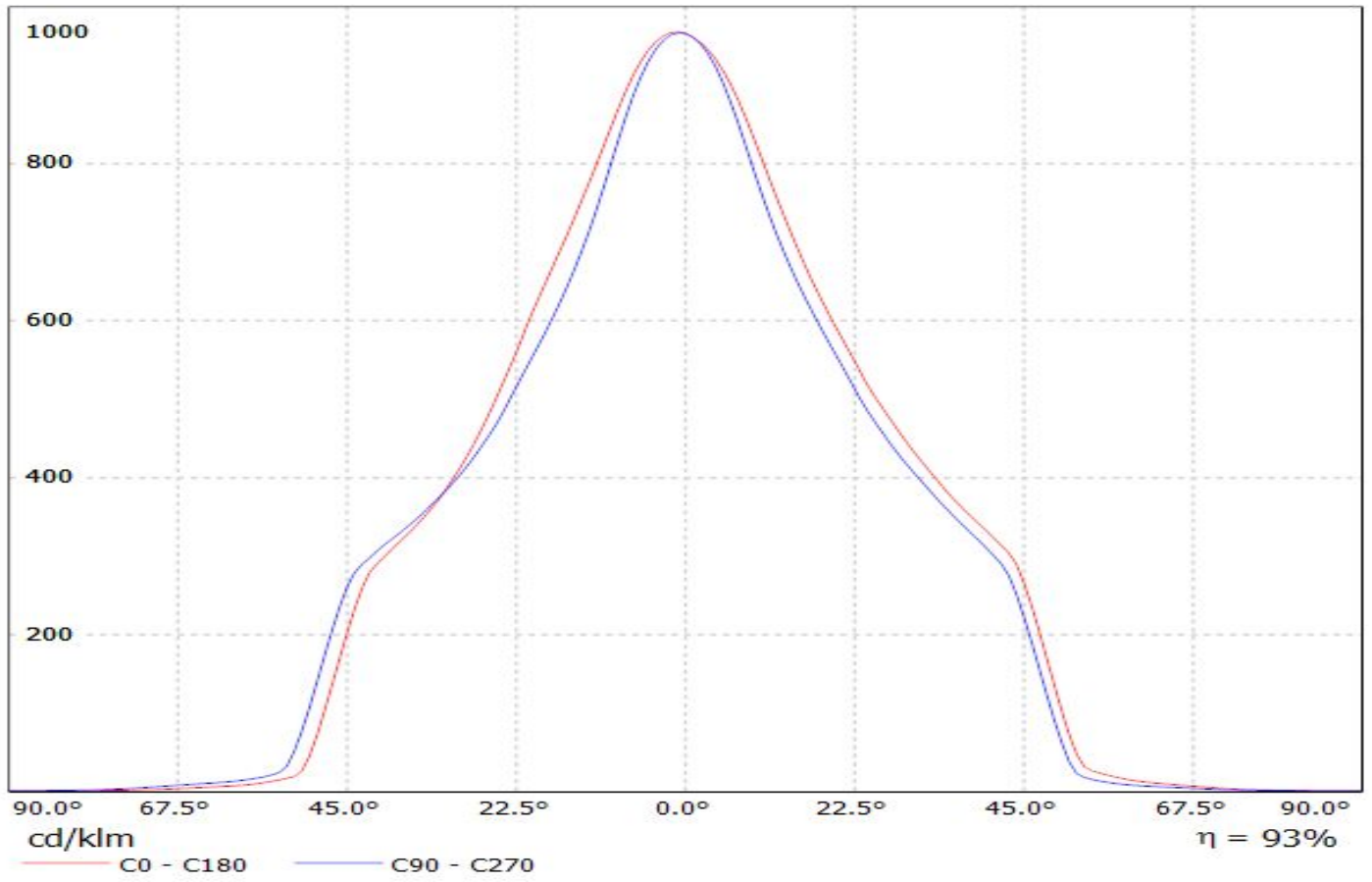
Lamps: 1 x CITIZEN_CLU720_(BJB: 47.319.2020)_1214.68lm@250mA_CCT=2700K_P=8.31842W_I=0.25A



Luminaire: Ledil F13661_ANGELINA-W-B_(CITIZEN_CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1320.42lm@250mA_CCT=2700K_P=8.35W_I=0.25A

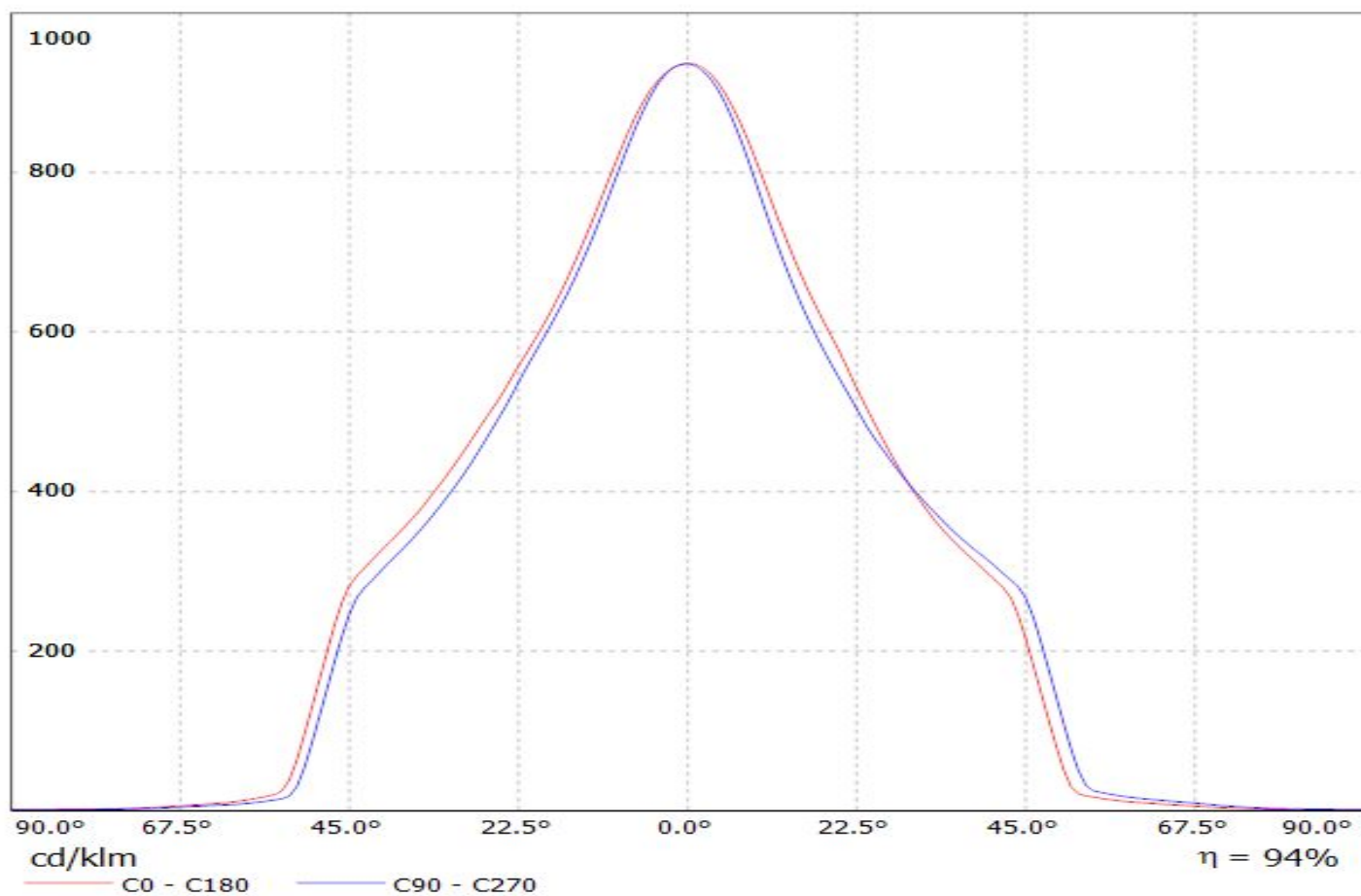


Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(CXM-14)
Lamps: 1 x LUMINUS_XNOVA_CXM-14_(AC00)
_1049.18lm@250mA_CCT=3126K_P=8.31834W_I=249.8mA

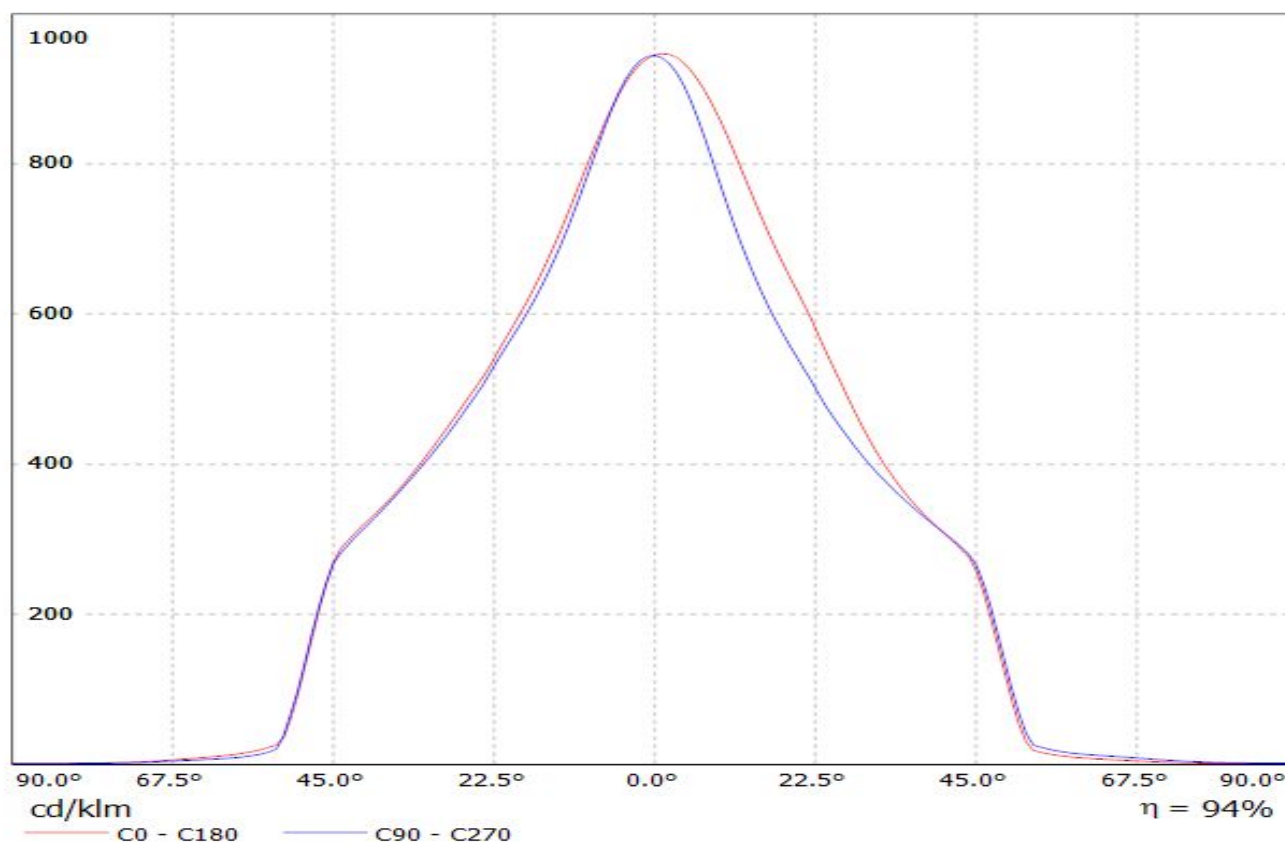


Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(LG_COB_10W)

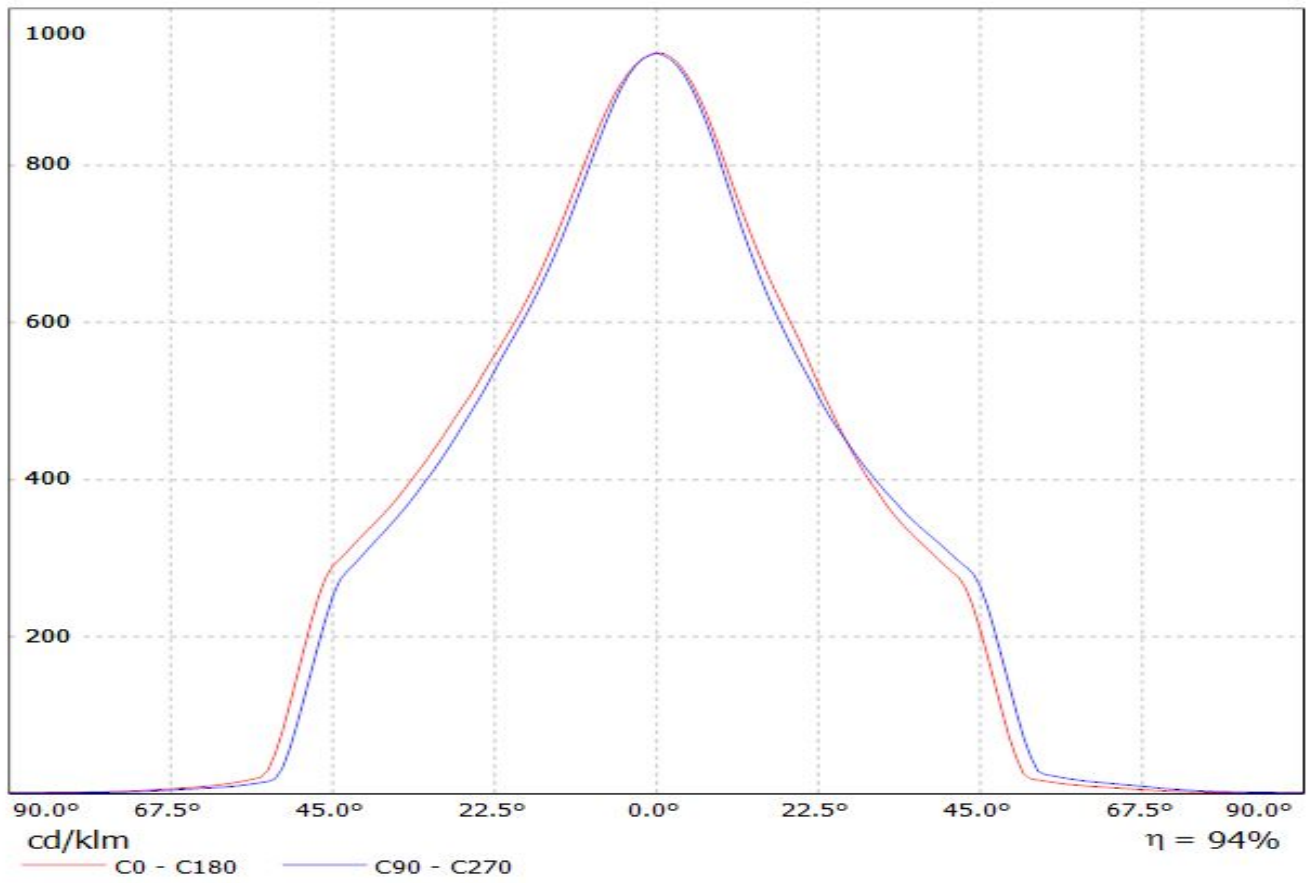
Lamps: 1 x LG_COB_10W_(LEMWM18580LG00)_917.757lm@250mA_P=9.31304W_I=249.8mA



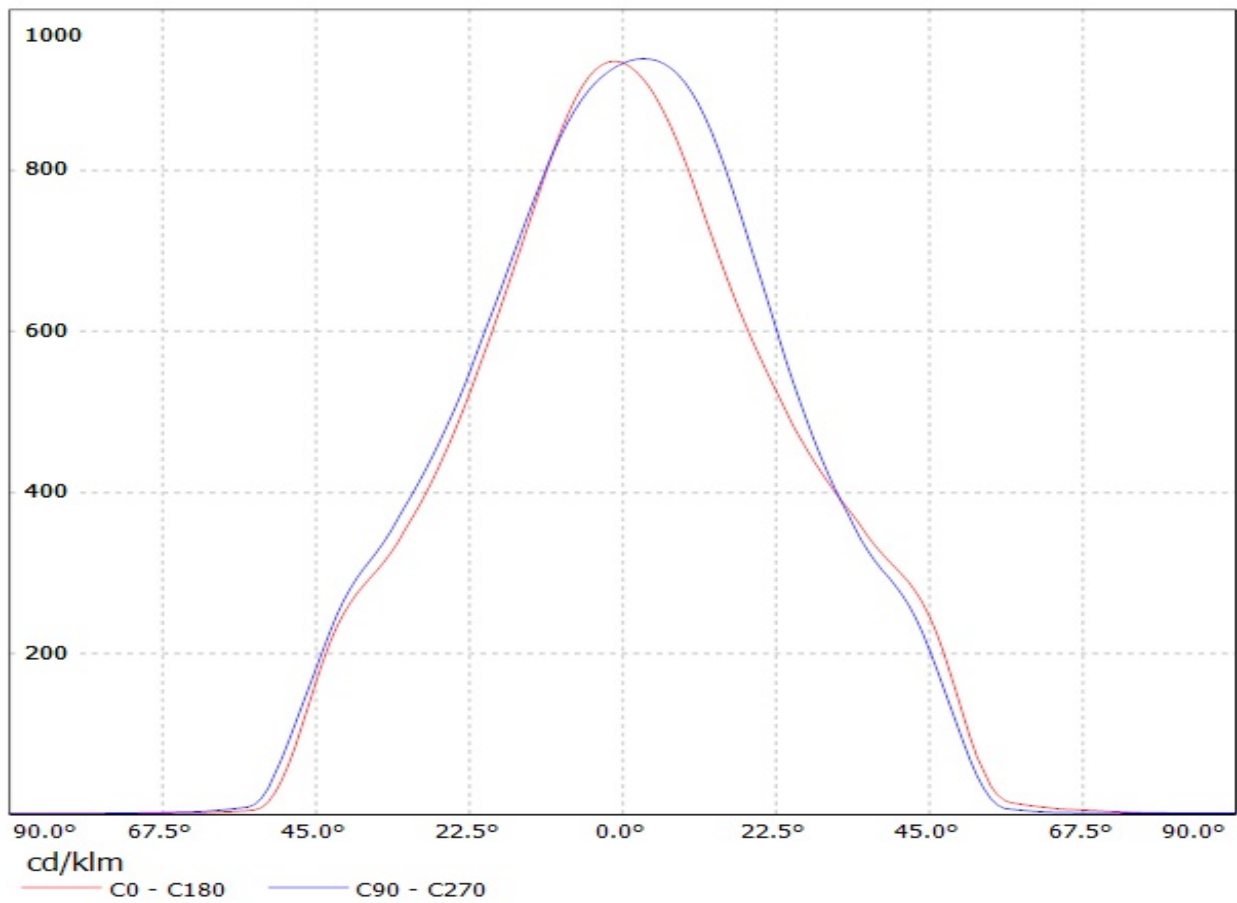
Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(Soleriq_S13) Eff.94.0%
Lamps: 1 x Osram_Soleriq_S13_825.418lm@250mA_CCT=3125K_P=7.33663W_I=249.8mA



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

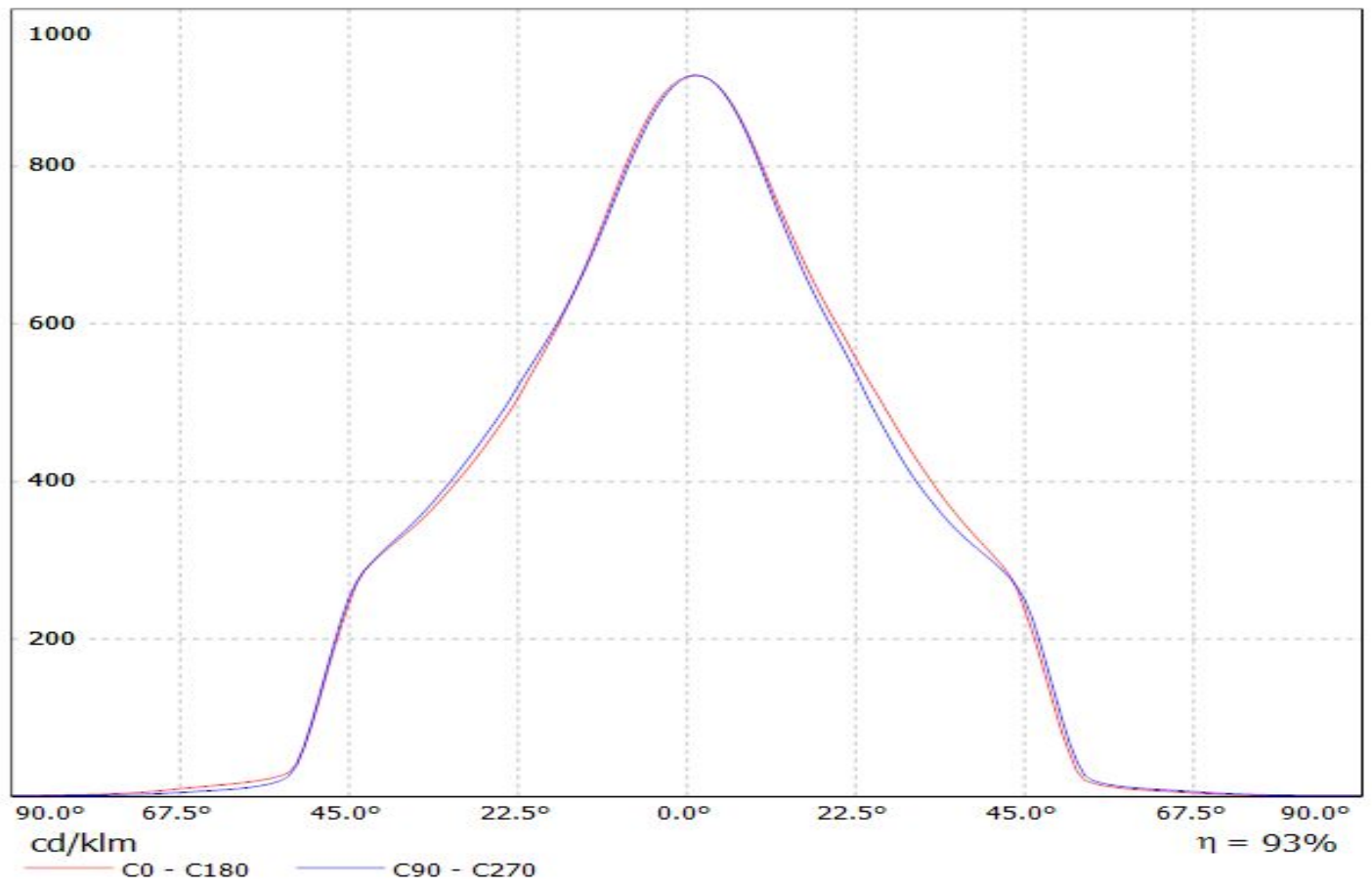


Luminaire: LEDiL Oy C13661_ANGELINA-W-B_(Soleriq-E30) Eff: 90%
Lamps: 1 x Osram Soleriq E30 (QW KAJRB2.EM-TPTR-50H4) 1358.6lm@250mA_P=10.2338W_I=0.2498mA

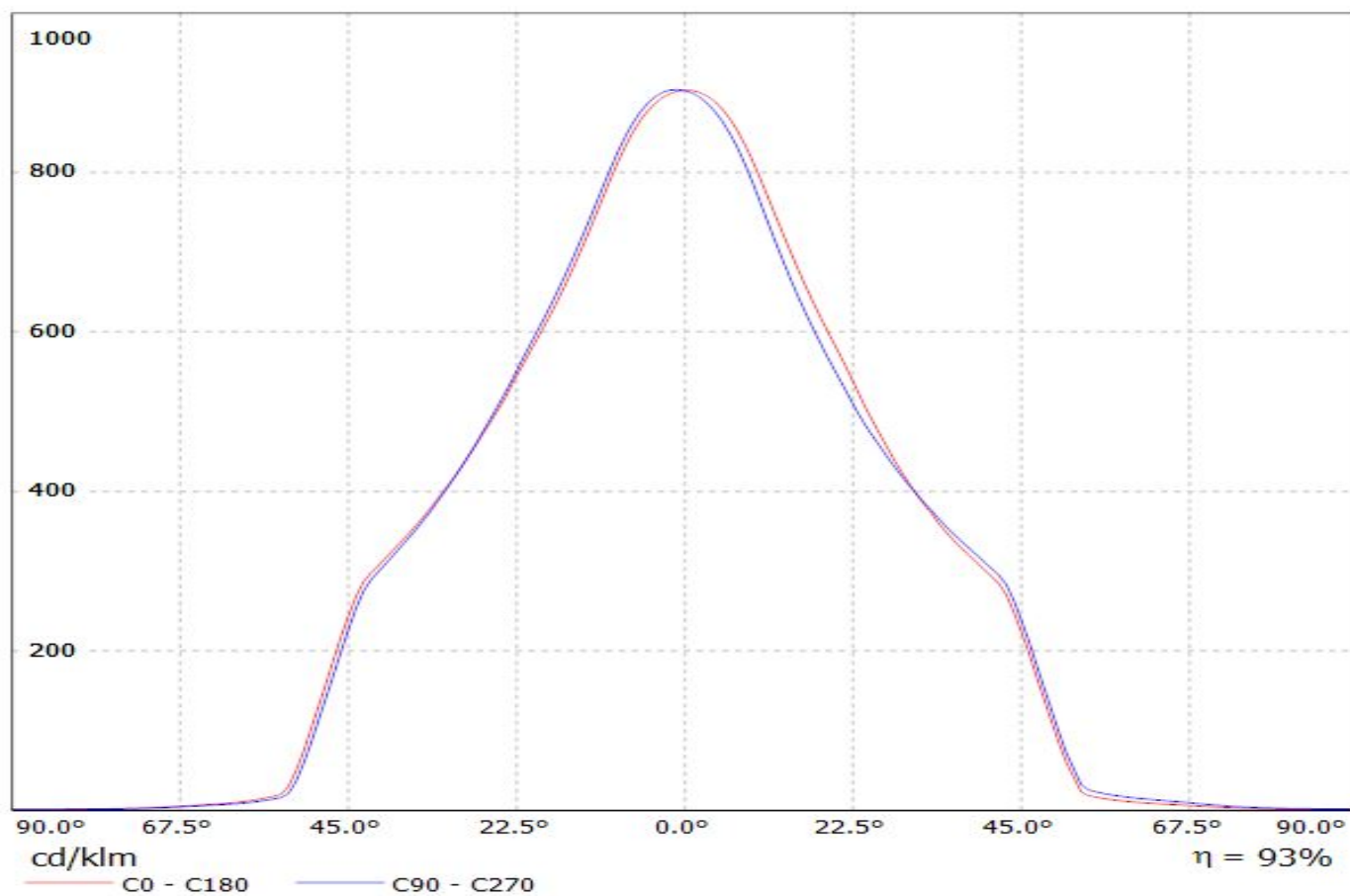


Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(ZC12)

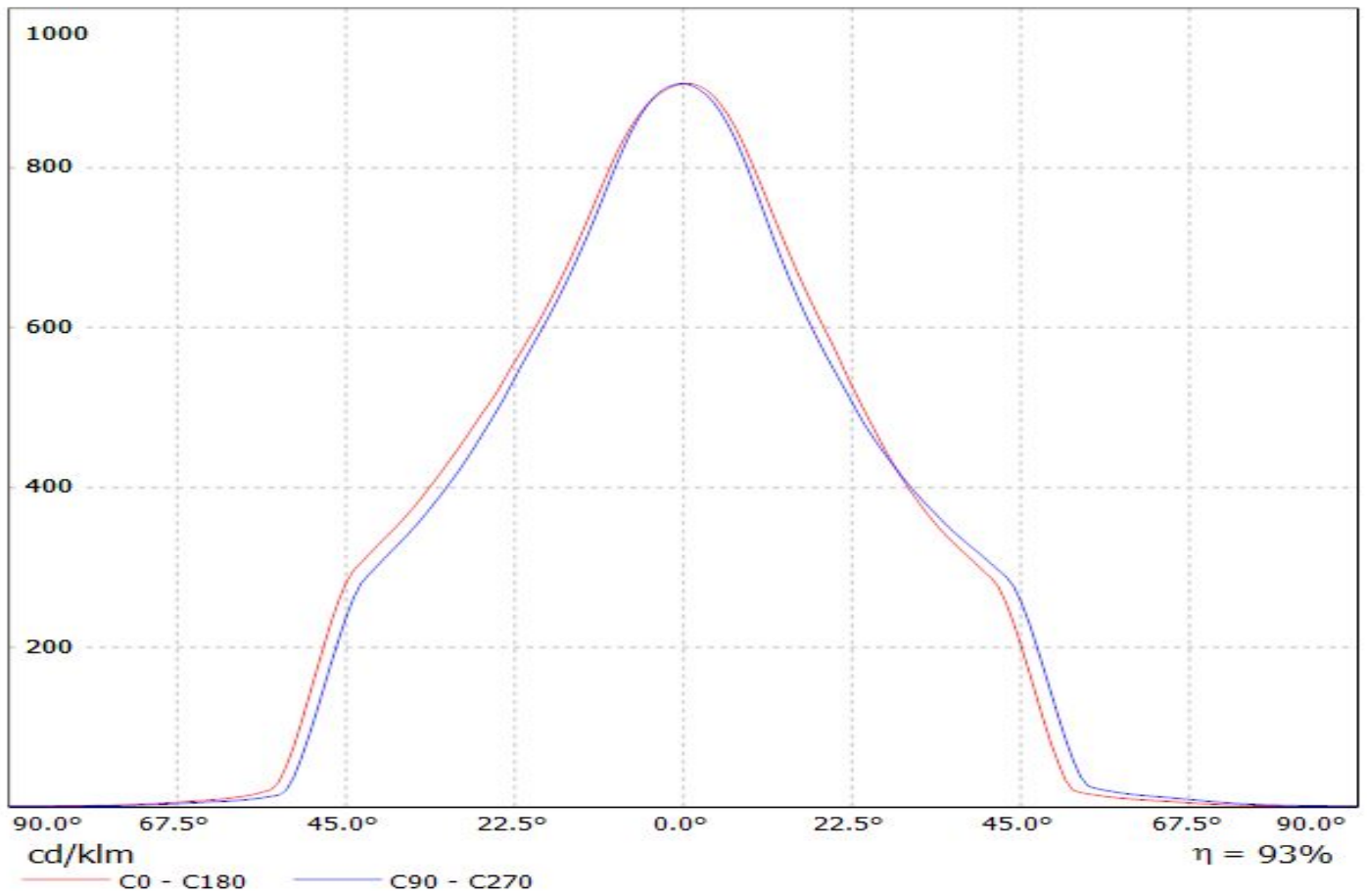
Lamps: 1 x SEOUL_ZC12_(SDW82F1C)_1240.73lm@250mA_P=8.68405W_I=249.8mA



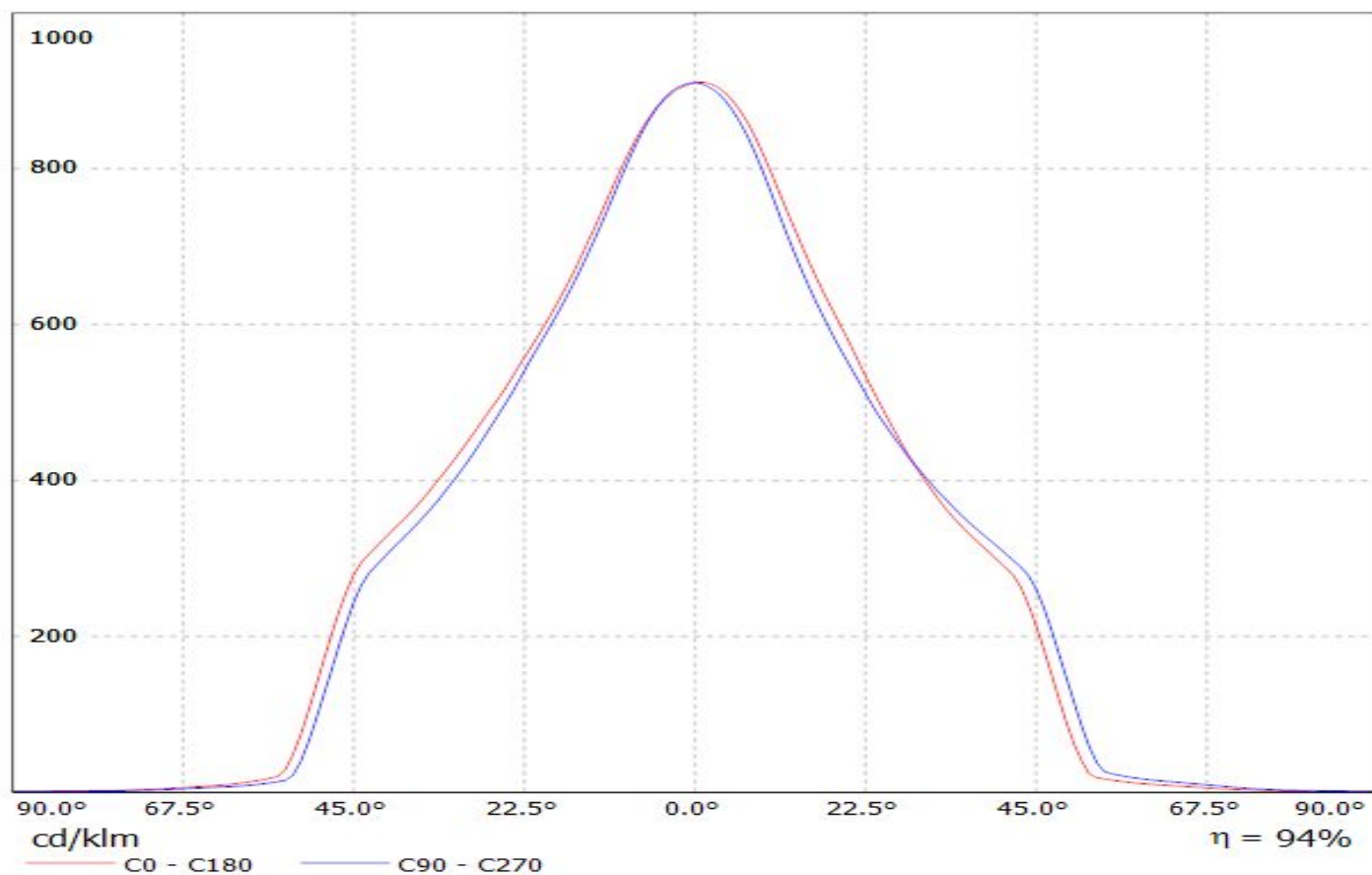
Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(S19) Eff.93.0%
Lamps: 1 x Osram_SOLERIQ_S19_1434.85lm@250mA_P=10.5595W_I=249.8mA



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

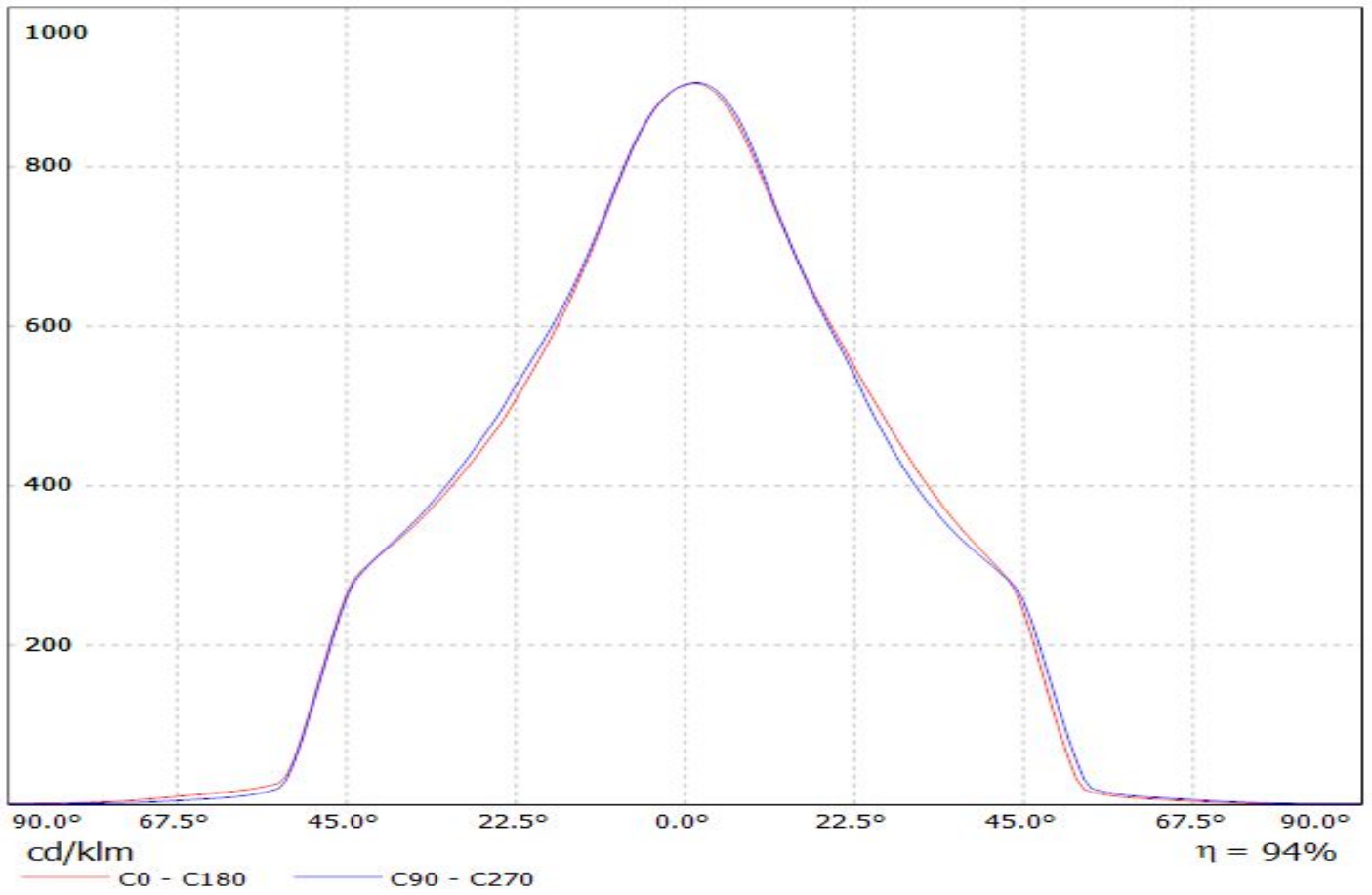


Luminaire: LEDiL Oy F13661_ANGELINA-W-B (MegaZenigata_GW6)
Lamps: 1 x Sharp_MegaZenigata_GW6_(GW6DME30NFC)
_1266.19lm@250mA_CCT=3038K_P=11.2151W_I=250.6mA

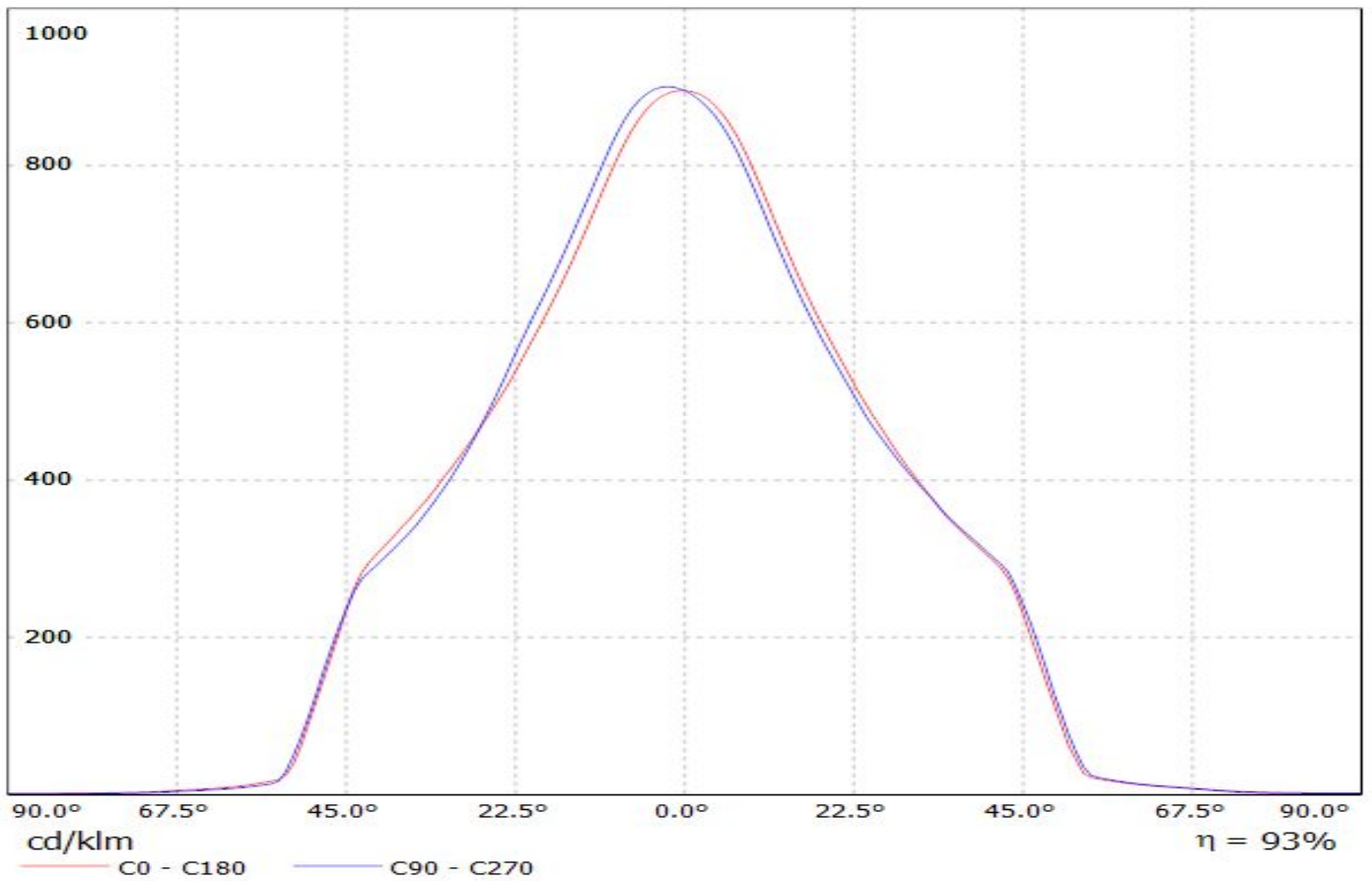


Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(CLU034)

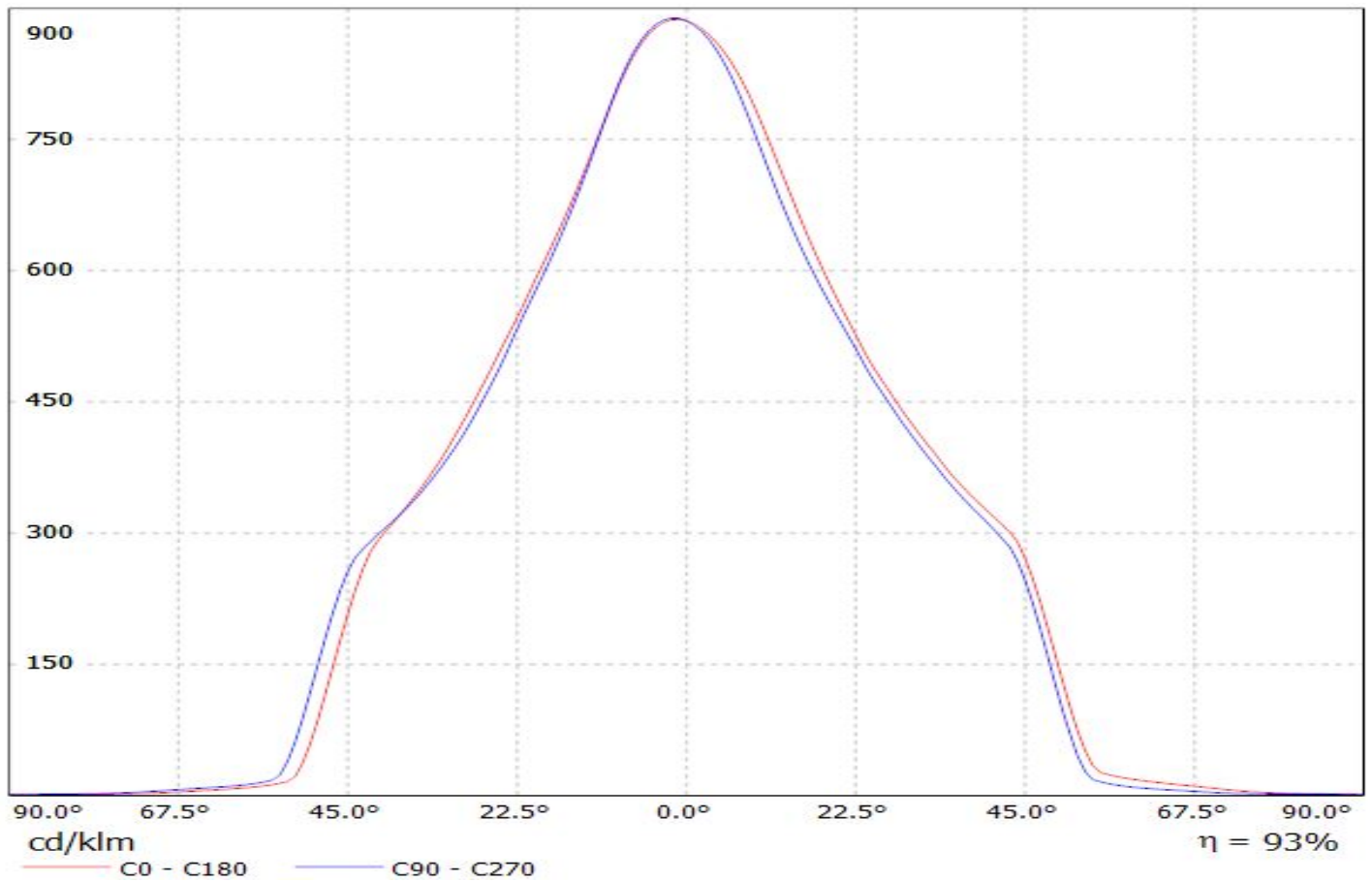
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



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

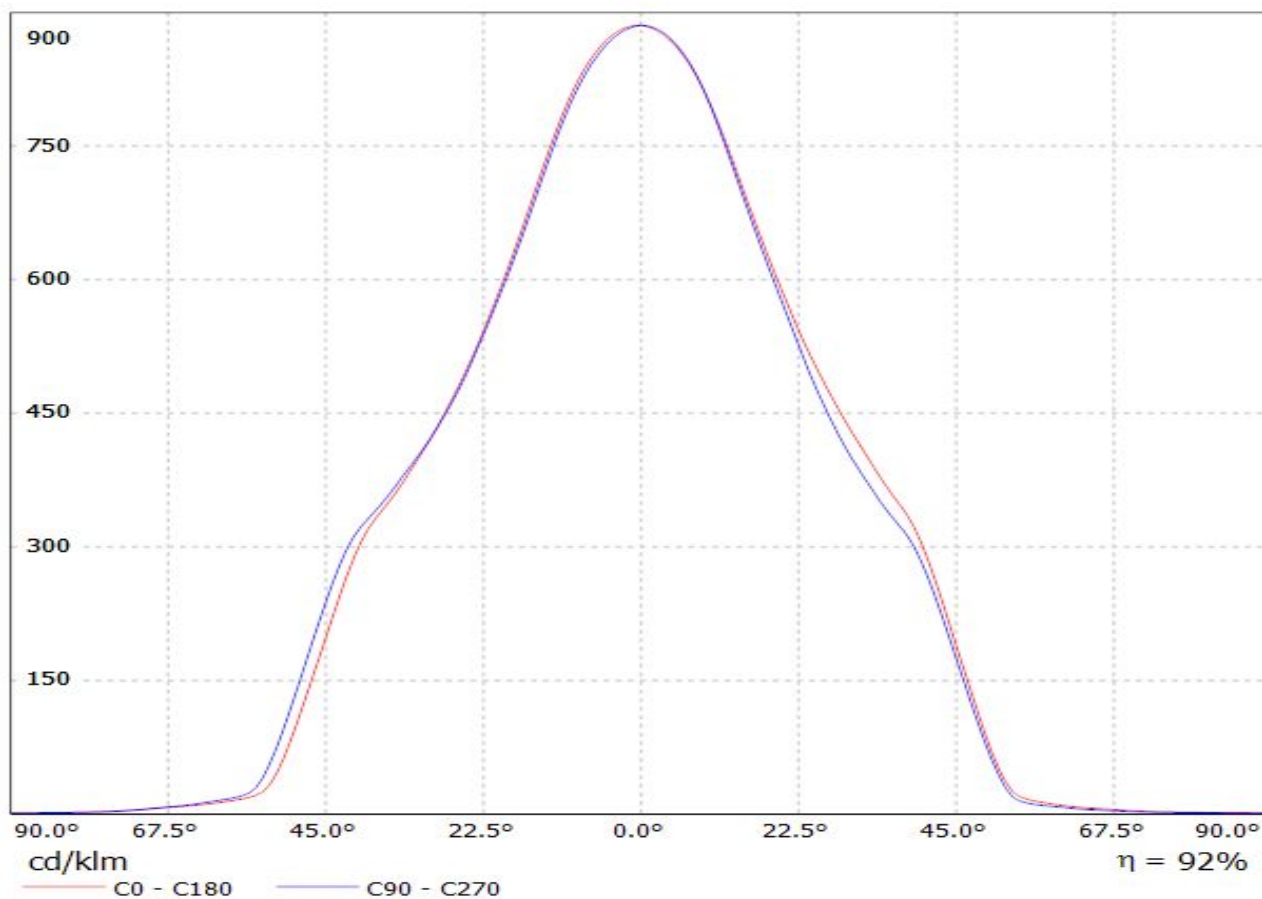


Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(STARK_SLE_G3_LES17)
Lamps: 1 x TRIDONIC_STARK_SLE_G3_LES17_(STARK-SLE-PURE_G3-17-2000-840-CLA)
_1030.26lm@250mA_CCT=2000K_P=8.34707W_I=249.8mA

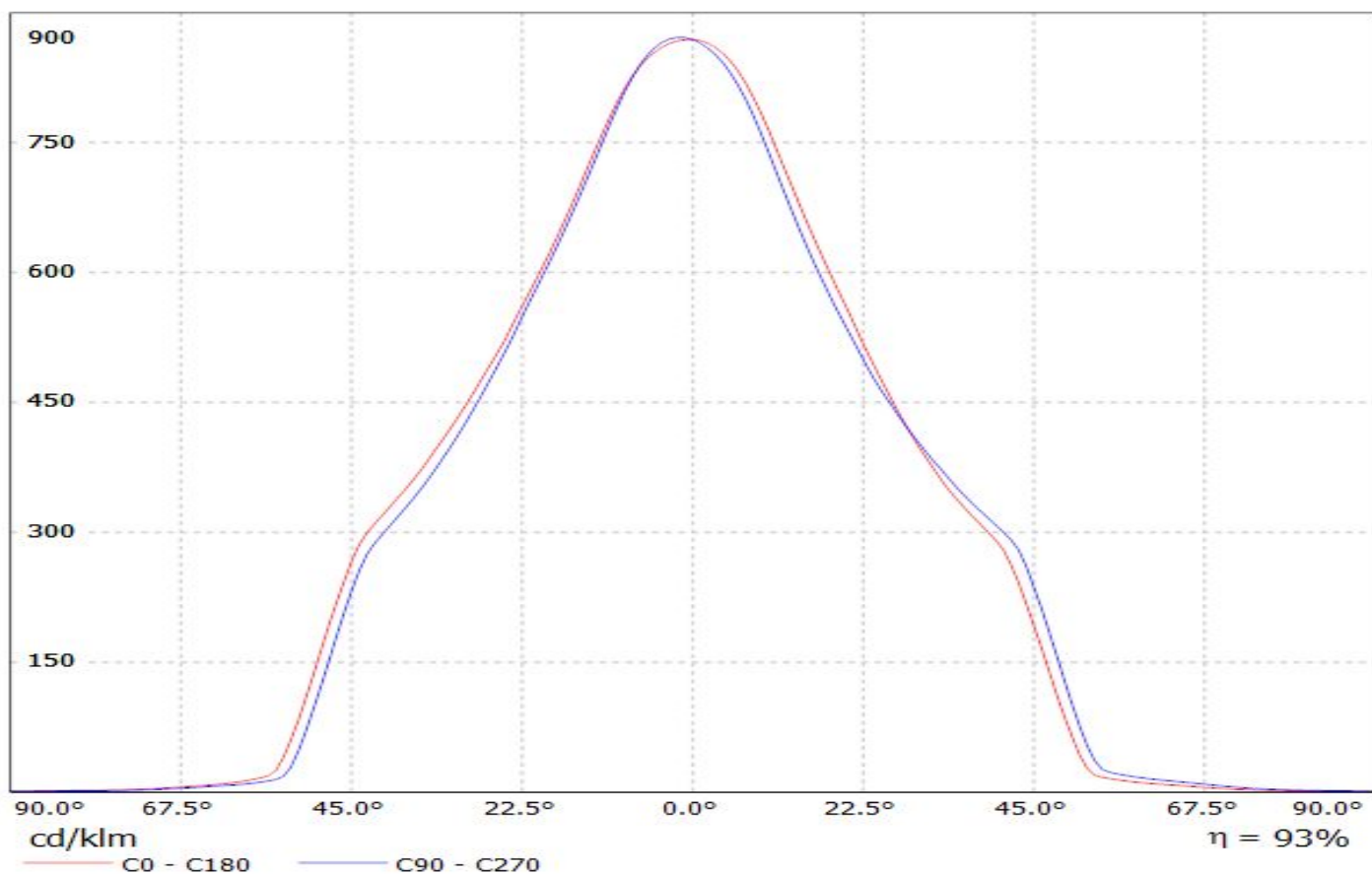


Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(SLE G4 LES23)

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

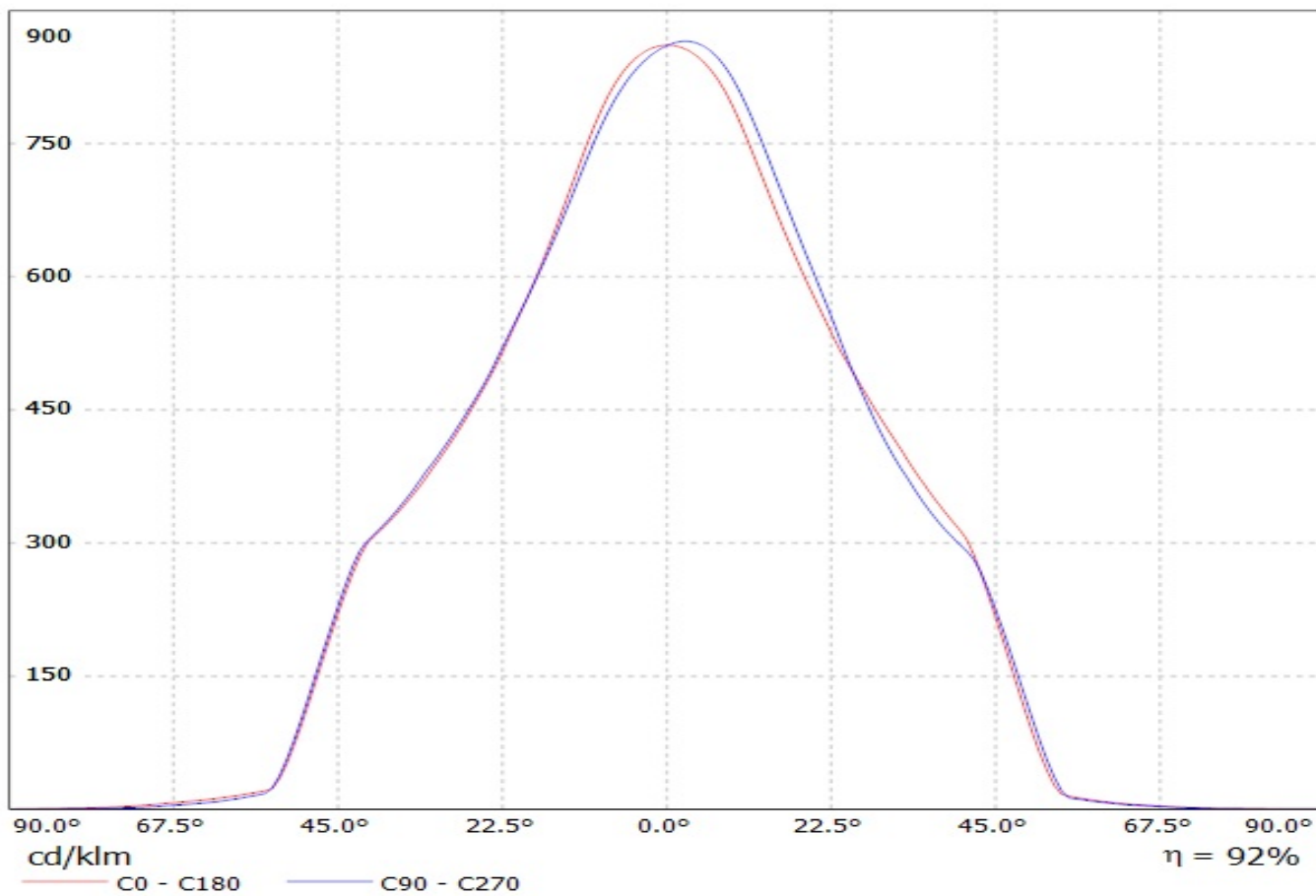


Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(CXA2590)
Lamps: 1 x CREE_CXA2590_(CXA2590-30F-Z4-RPH-00001)
_837.275lm@100mA_CCT=3000K_P=6.36316W_I=100.1mA

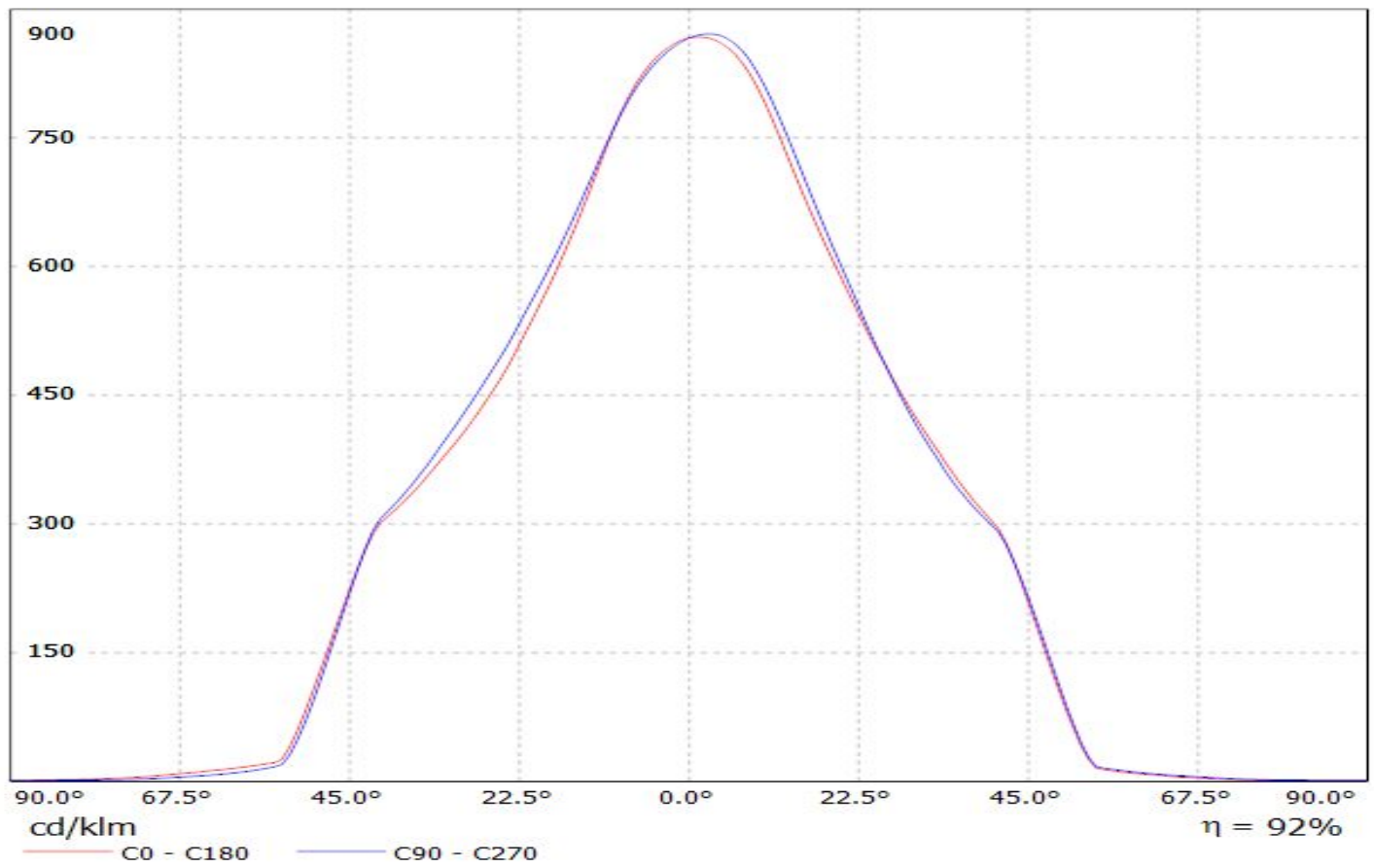


Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(Luxeon_CoB_1211)_(BJB2030)

Lamps: 1 x Luxeon_CoB_1211_(LHC1-5780-1211)_(BJB2030)_1330.16lm@250mA_P=8.03503W_I=0.2499A

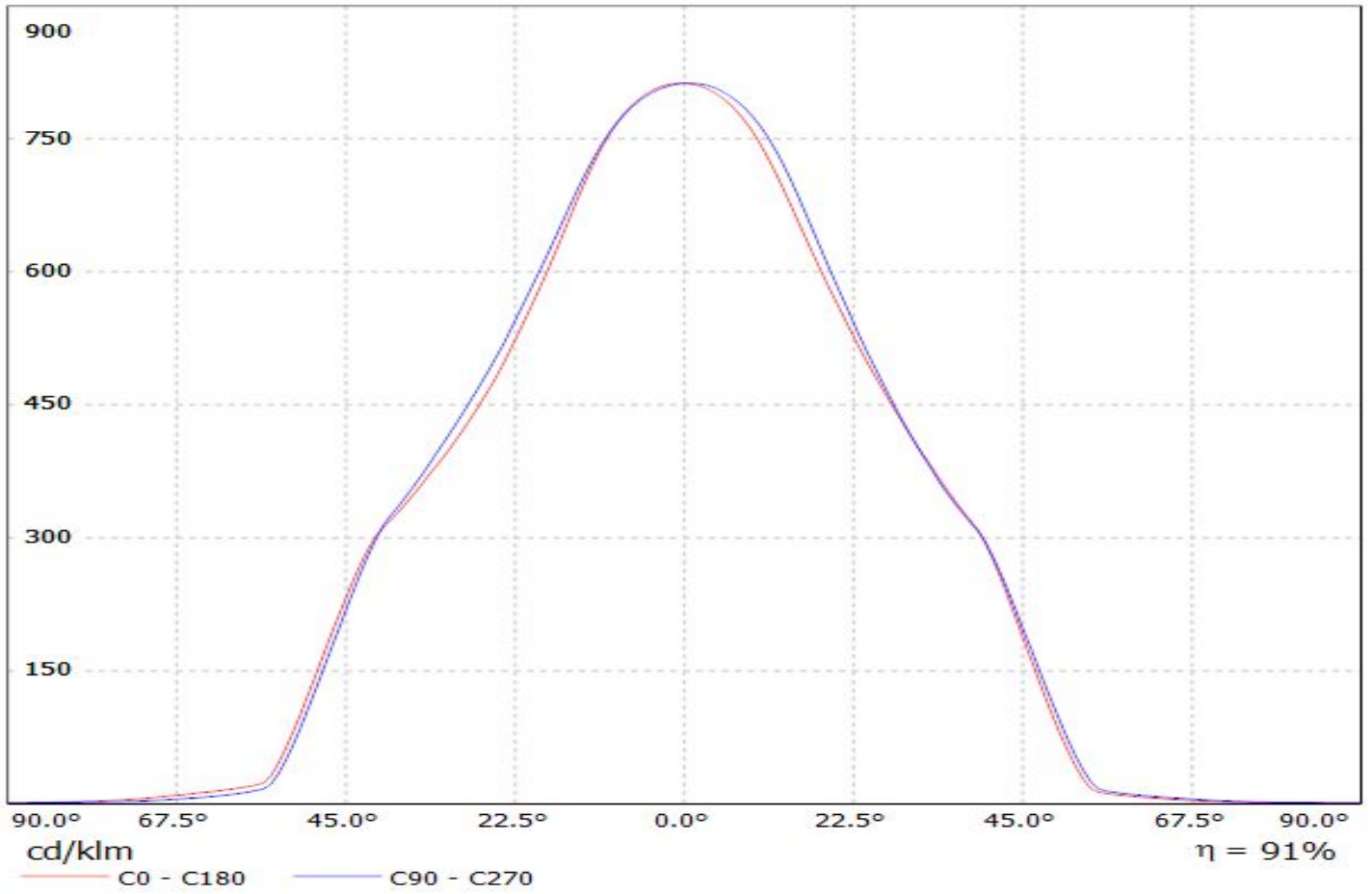


Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(Luxeon_CoB_1211)
Lamps: 1 x LUXEON_COB_1211_(LHC1-2790-1211)
_923.583lm@250mA_CCT=2700K_P=8.00909W_I=249.8mA



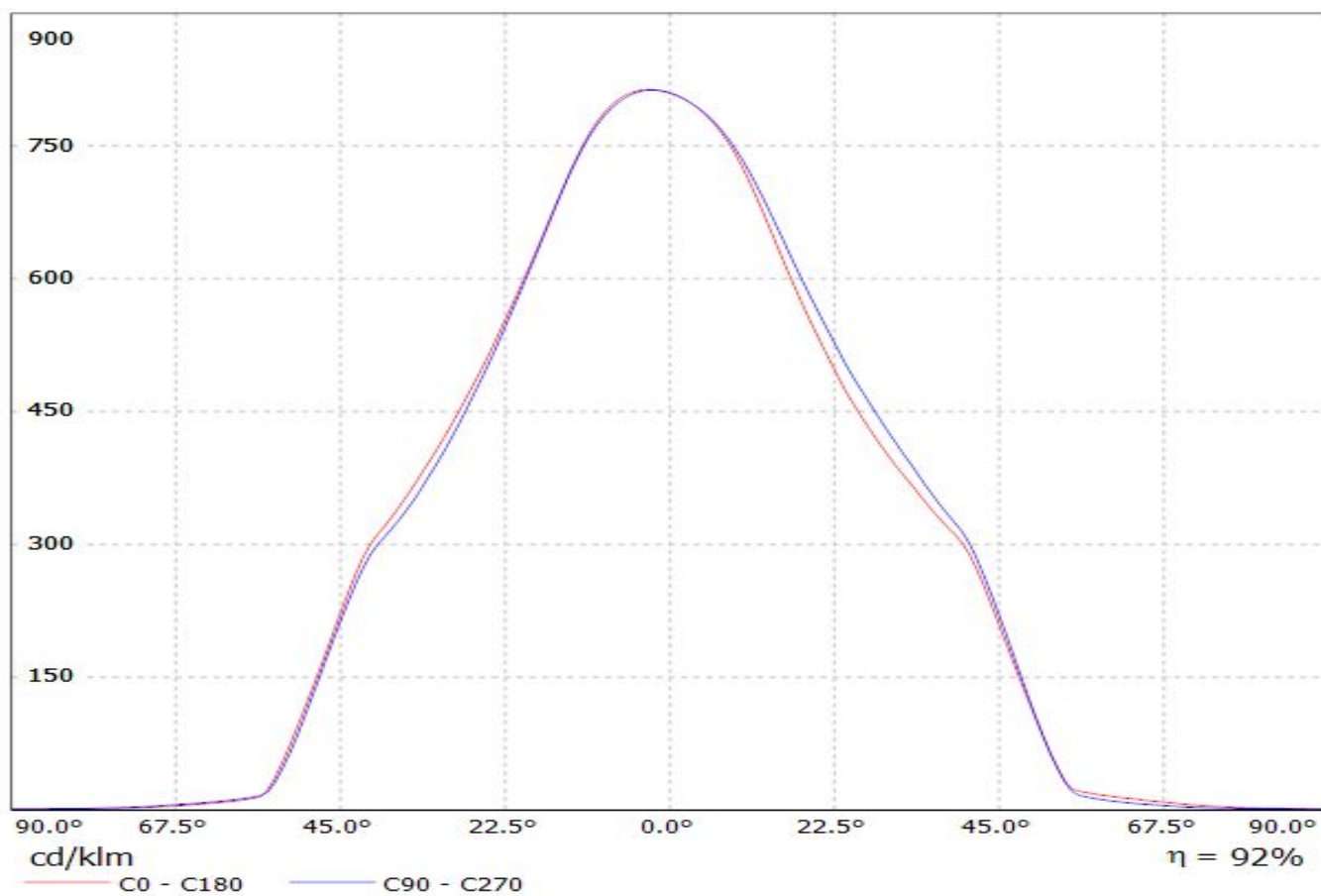
Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(COB_40W)

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



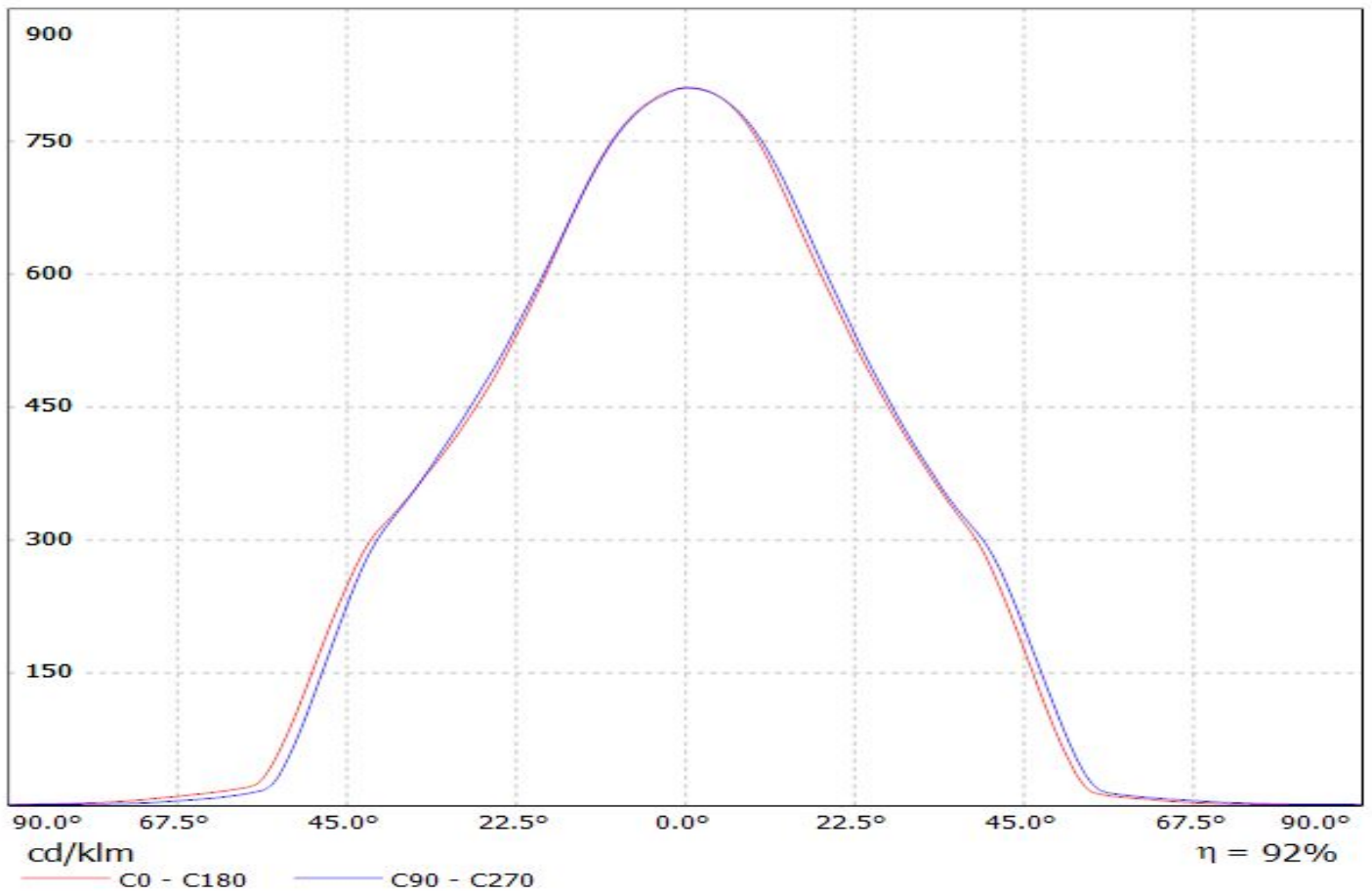
Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(CLU044)

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

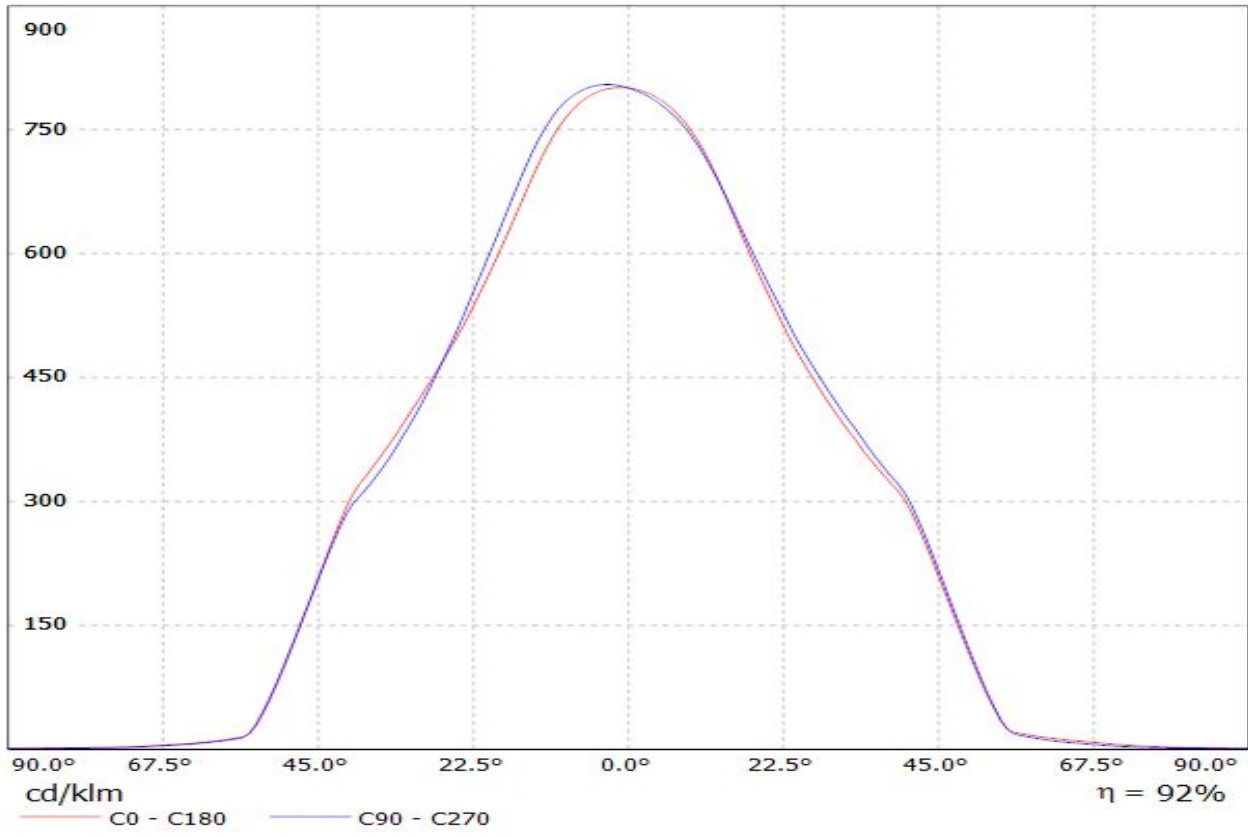


Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(ZC40)

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

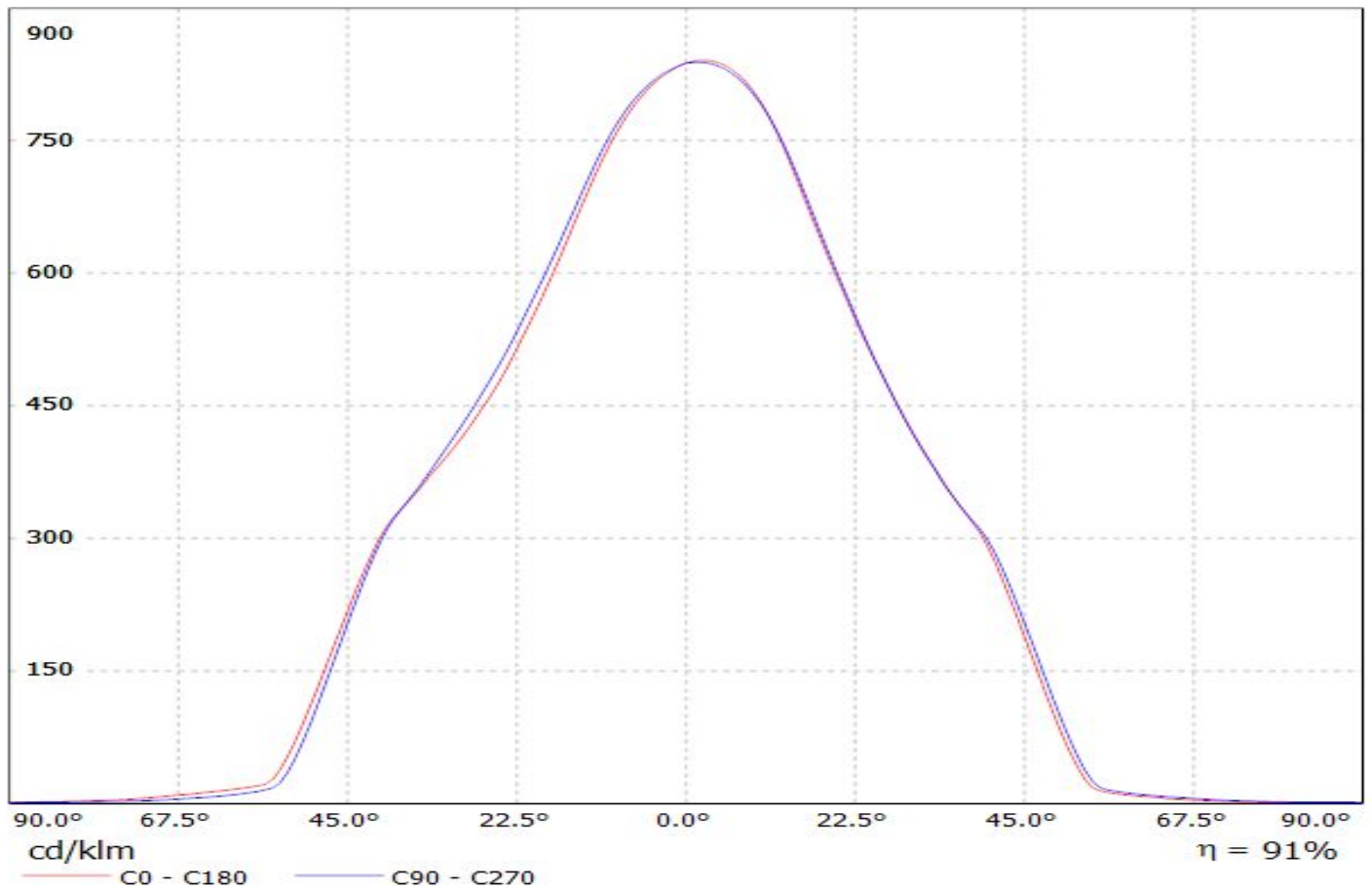


Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(CXM-22) Eff 91.6%
Lamps: 1 x LUMINUS_CXM-22_1221.8lm@250mA_P=8.00809W_CCT=3000K_I=249.8mA



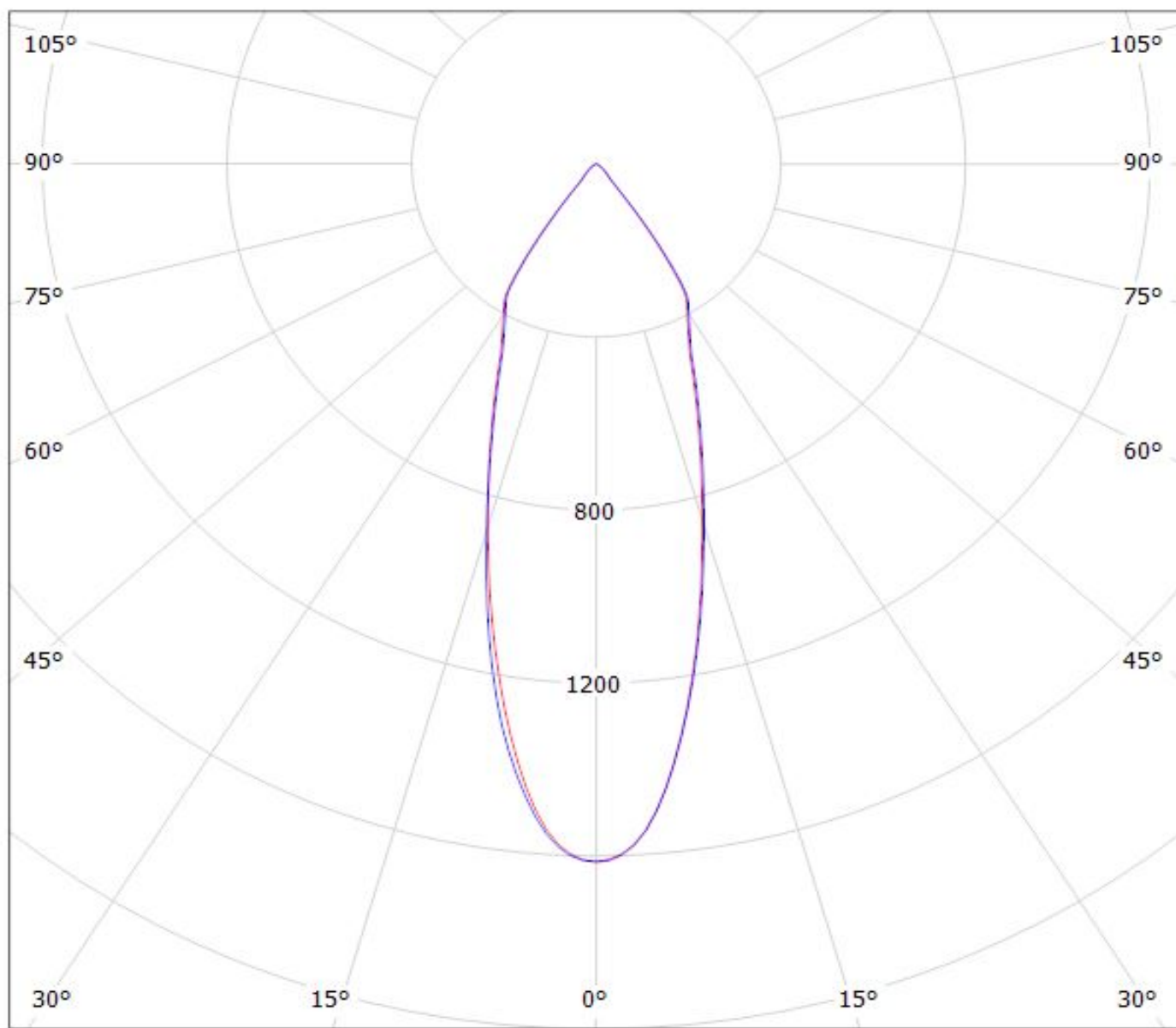
Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(CXA30)

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



Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(SLE GEN4 LES19)

Lamps: 1 x SLE GEN4 LES19_1227.01lm@250mA_P=8.21492W_η=0.2498A



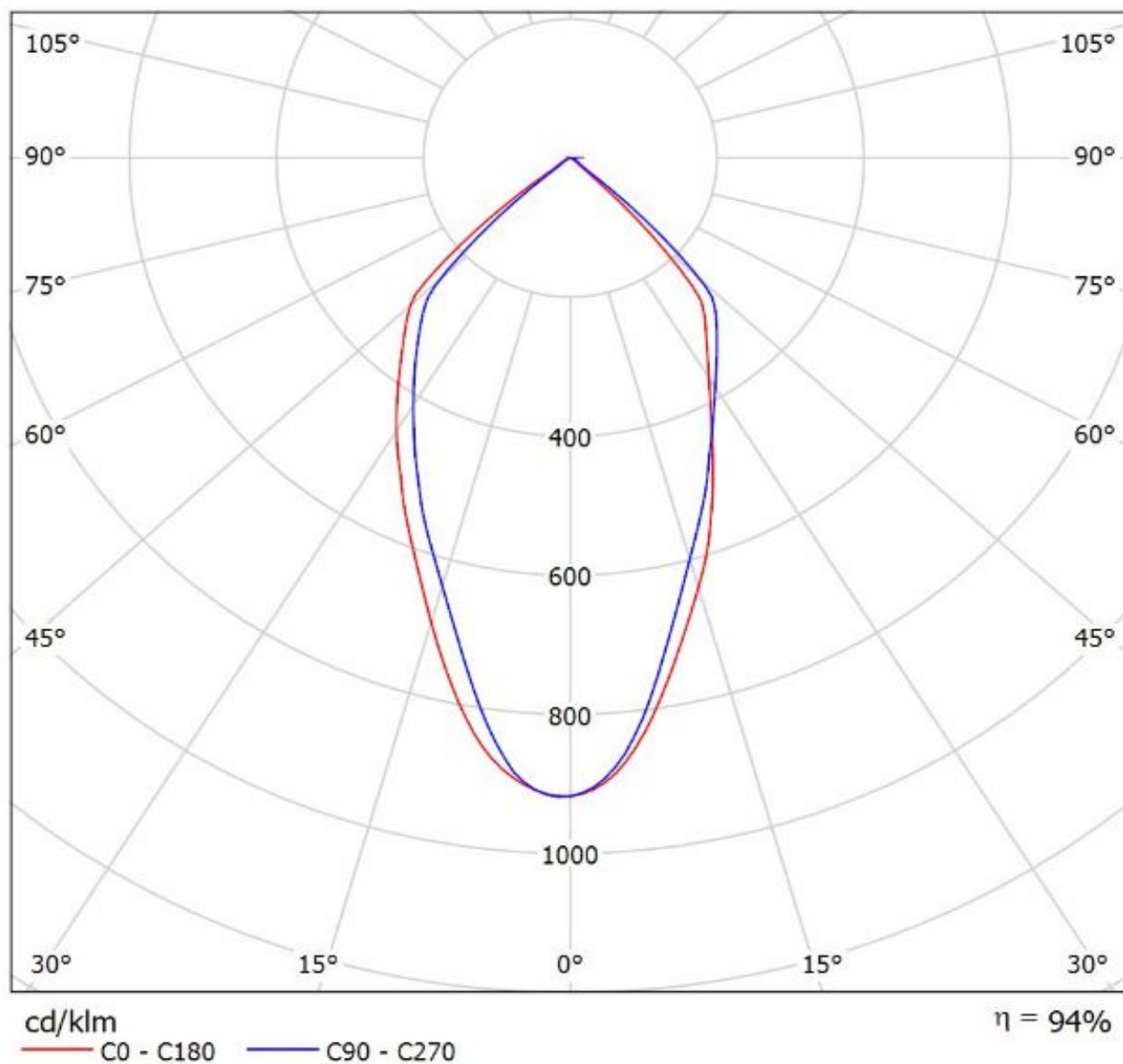
cd/klm

$\eta = 81\%$

— C0 - C180

— C90 - C270

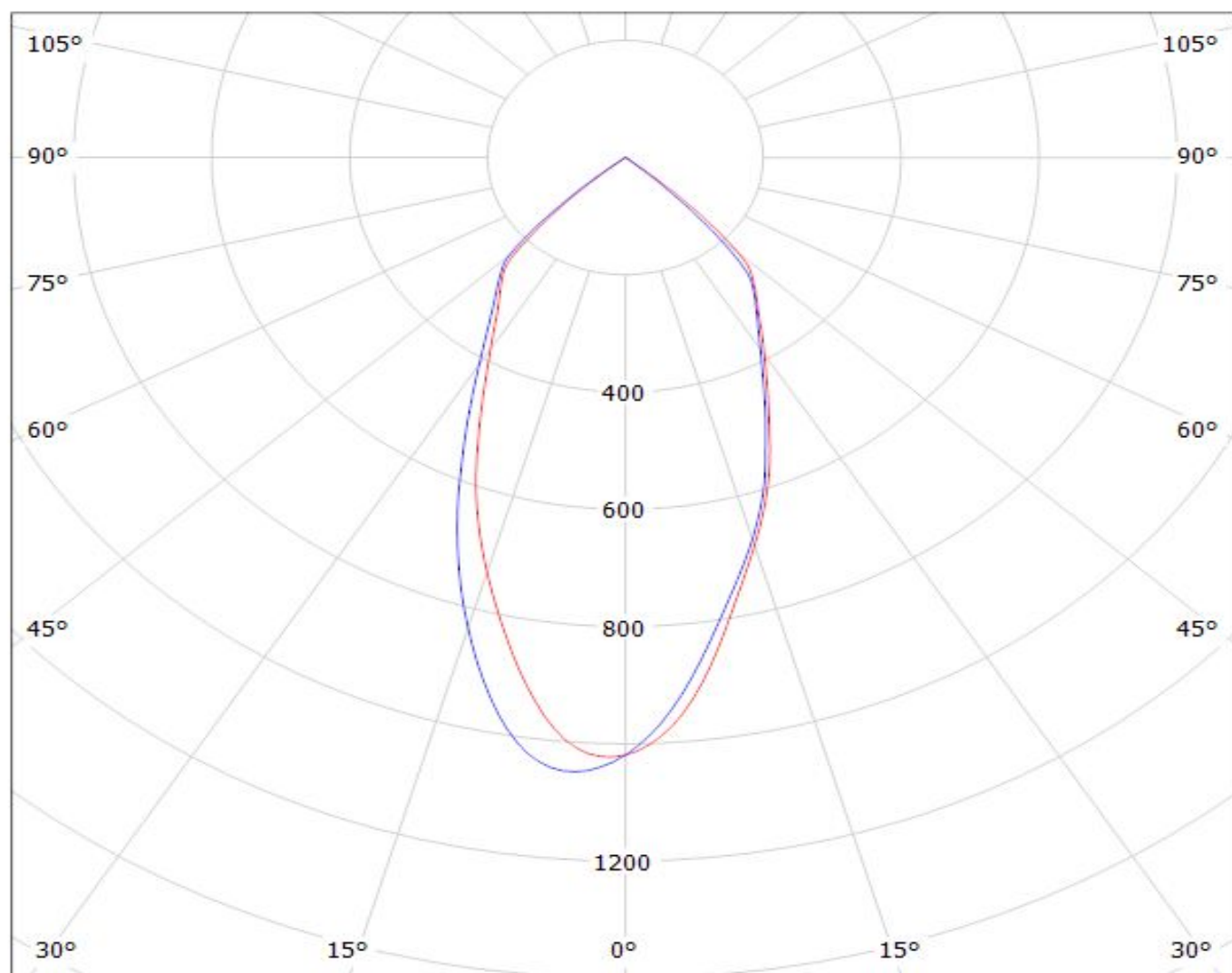
Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(SOLERIQ_P13) Eff.93.6%
Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_1053.65lm@250mA_CCT=3000K_P=8.82044W_I=249.8mA



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

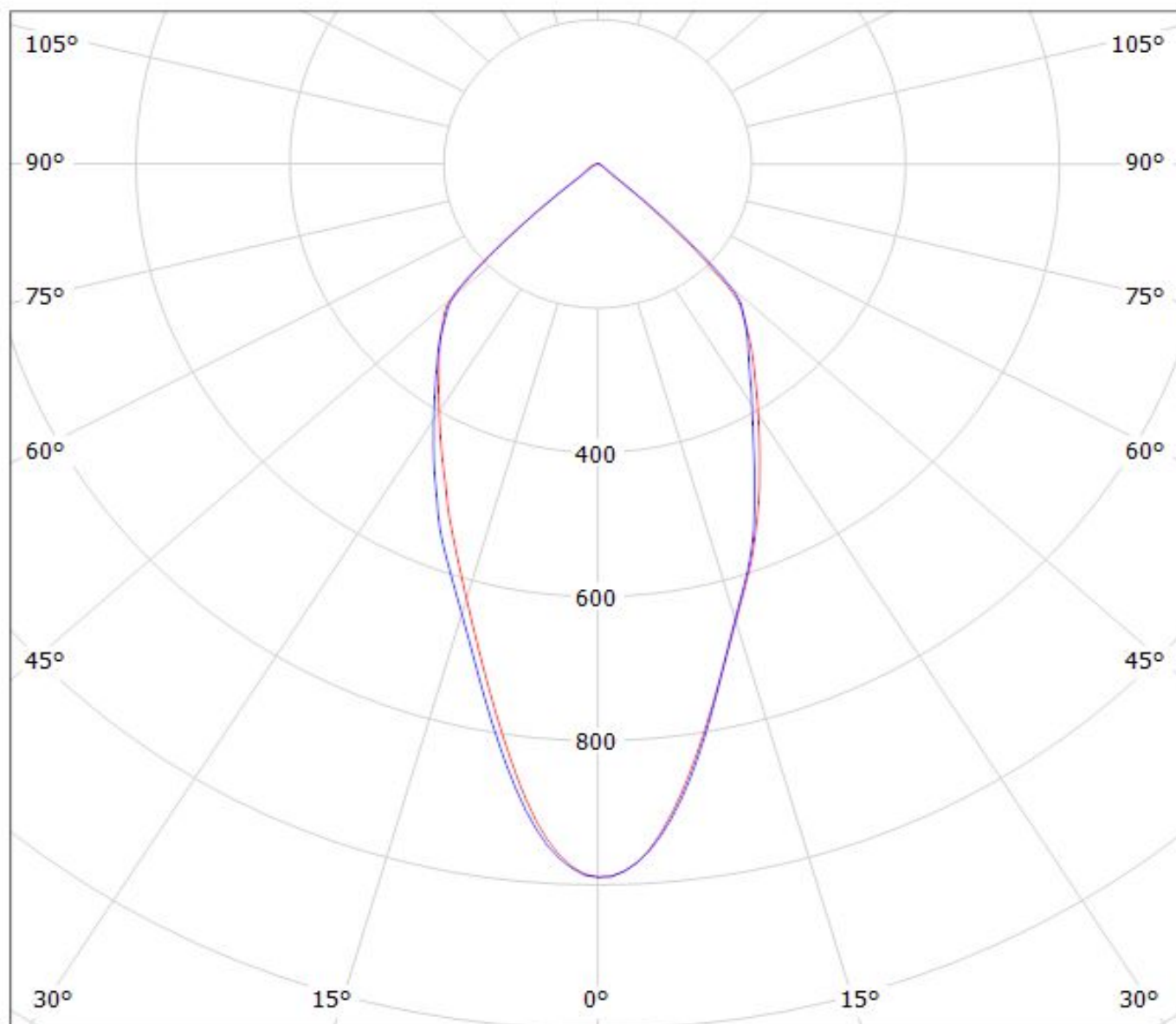
— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(CITIZEN_CLU720)

Lamps: 1 x CITIZEN_CLU720_(BJB: 47.319.2020)_1214.68lm@250mA_CCT=2700K_P=8.31842W_I=0.25A



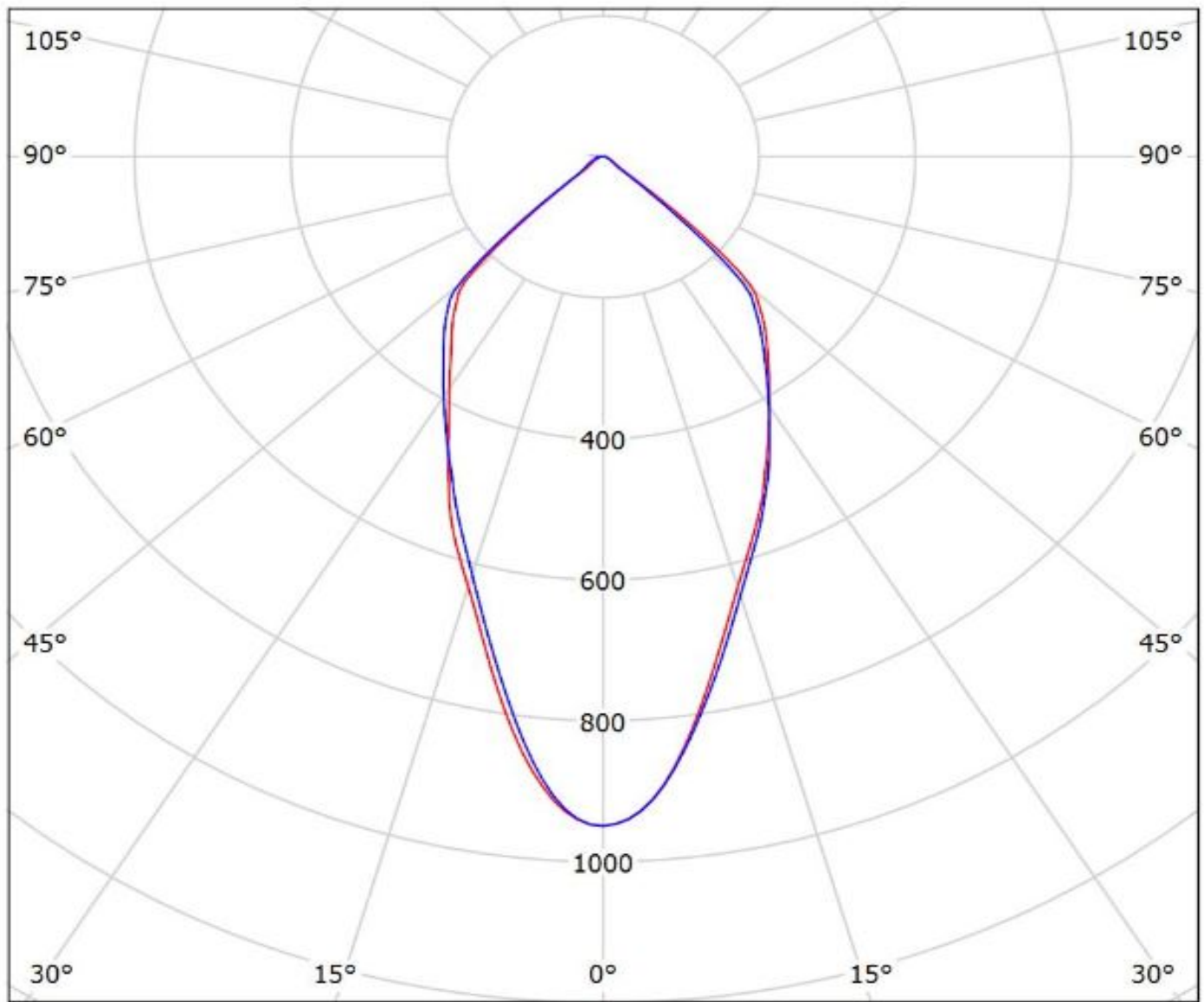
cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

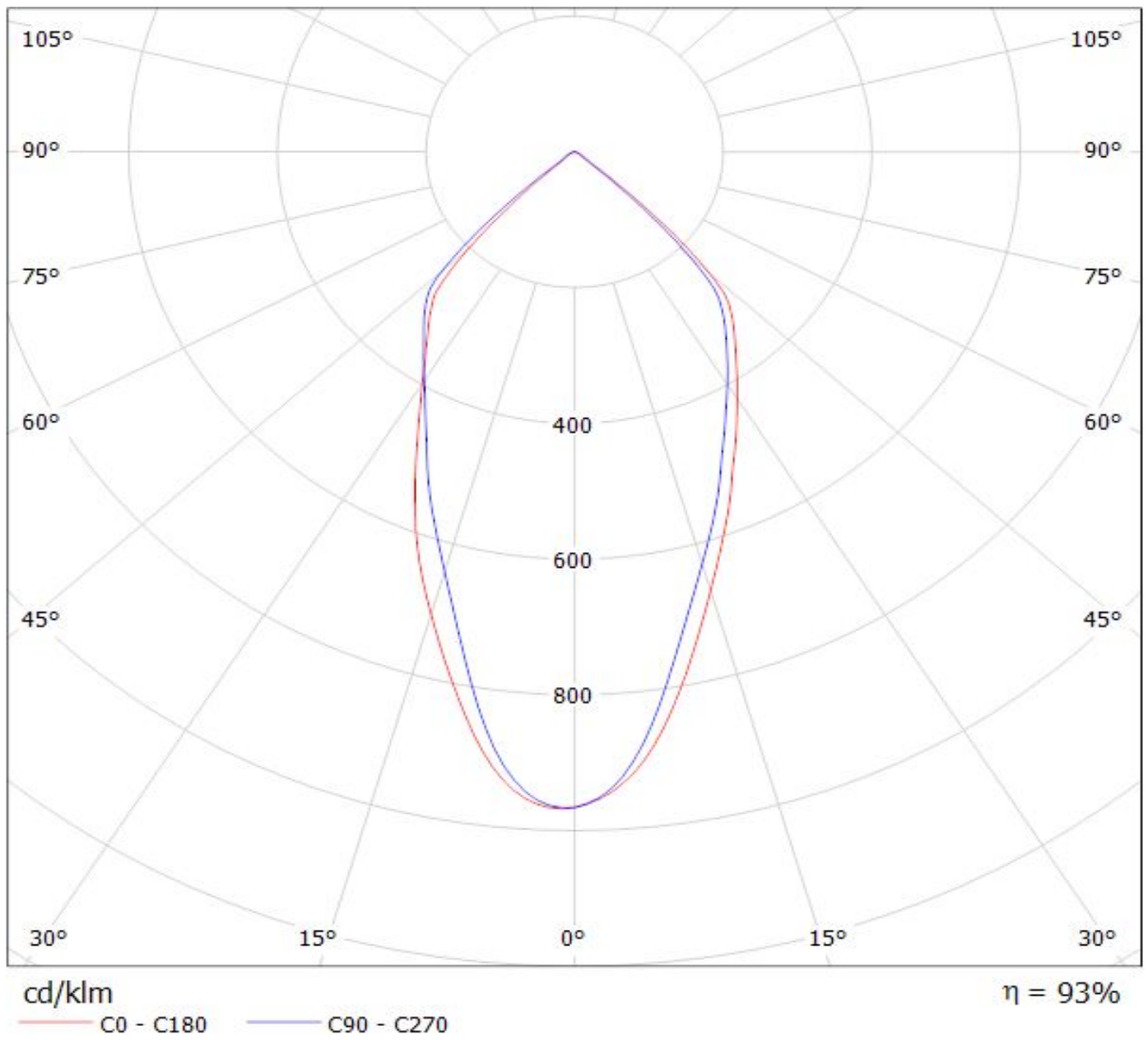
Luminaire: Ledil F13661_ANGELINA-W-B_(CITIZEN_CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1320.42lm@250mA_CCT=2700K_P=8.35W_I=0.25A



cd/klm
— C0 - C180 — C90 - C270

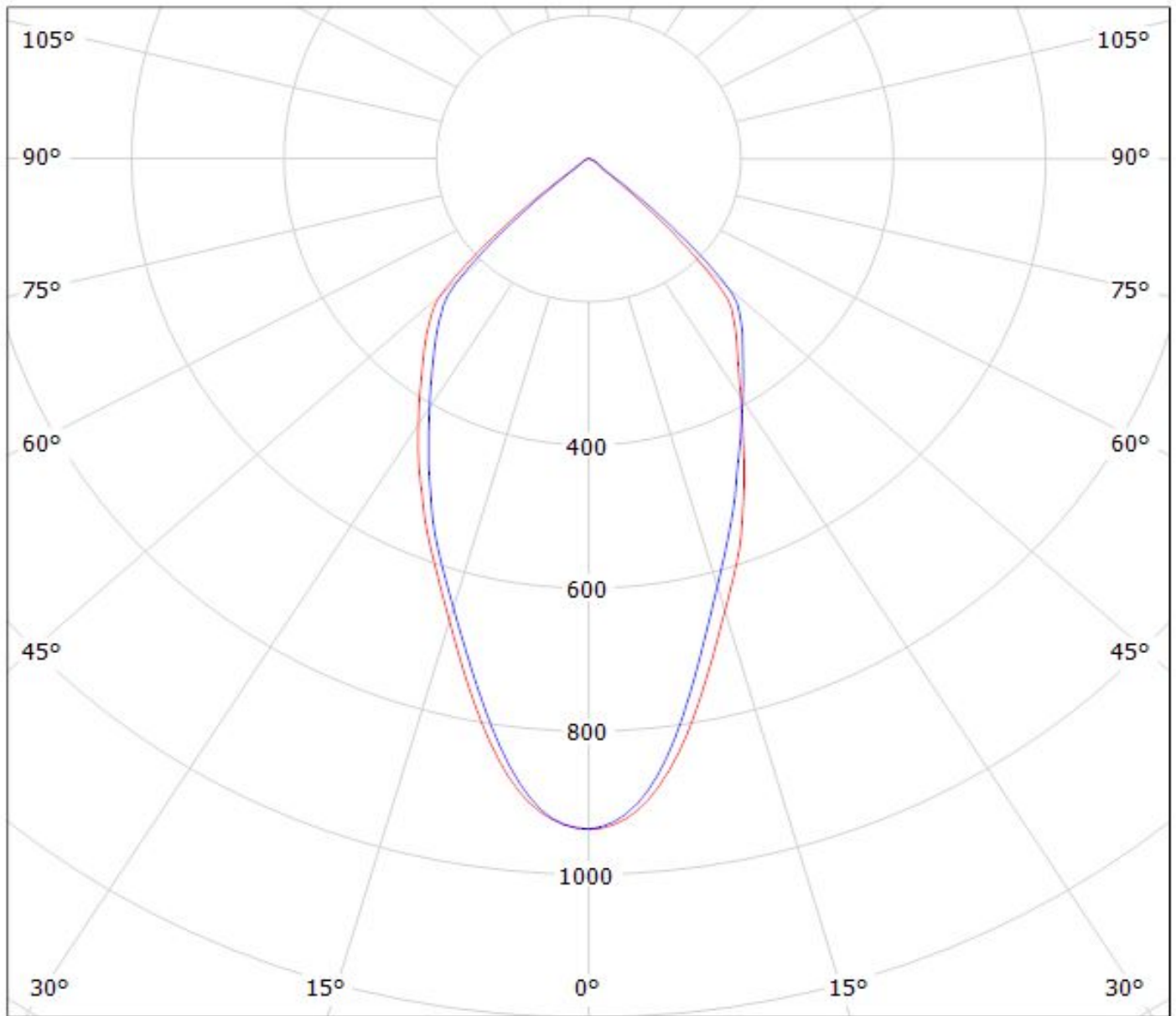
$\eta = 94\%$

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

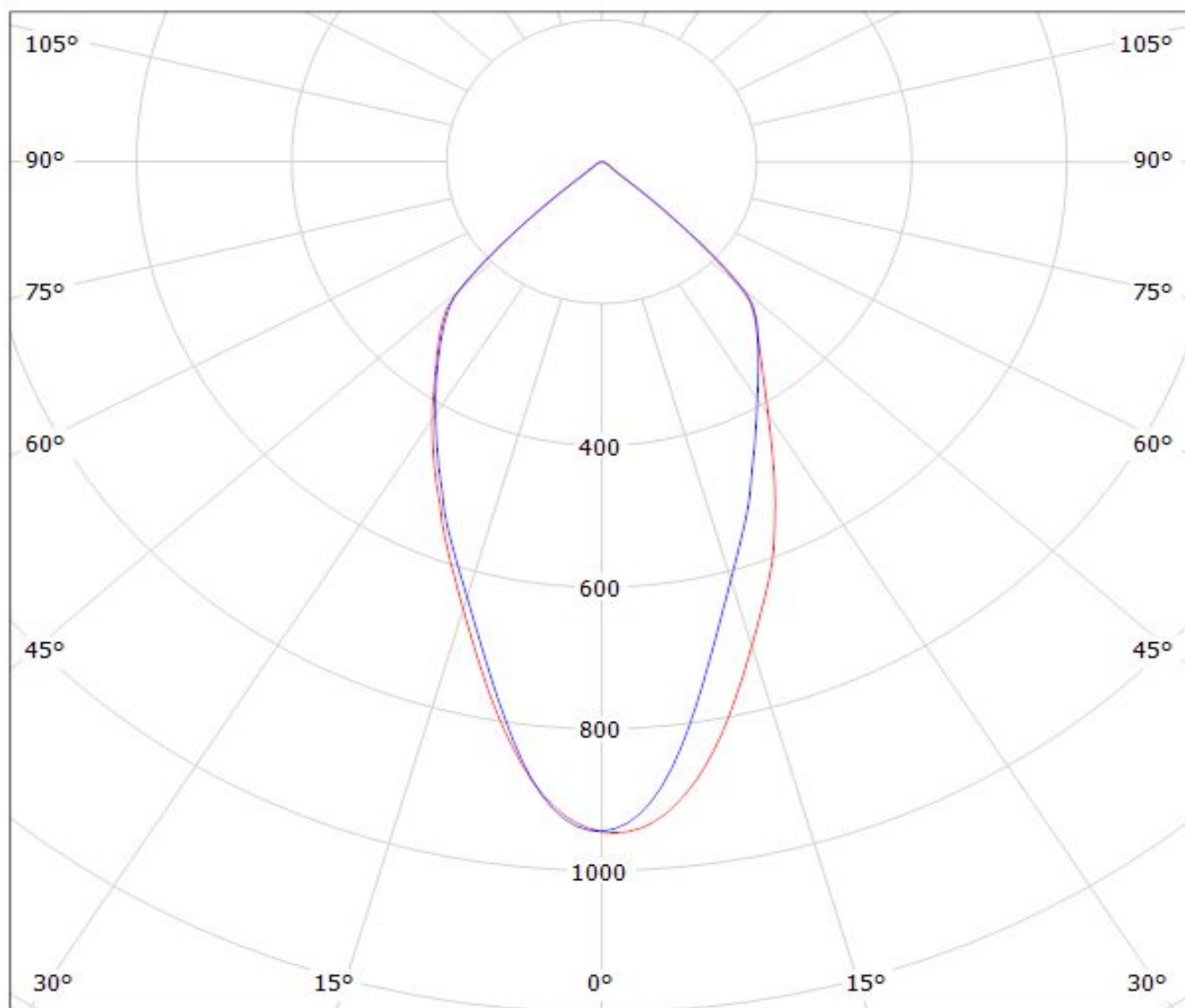
$\eta = 94\%$

— C0 - C180

— C90 - C270

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

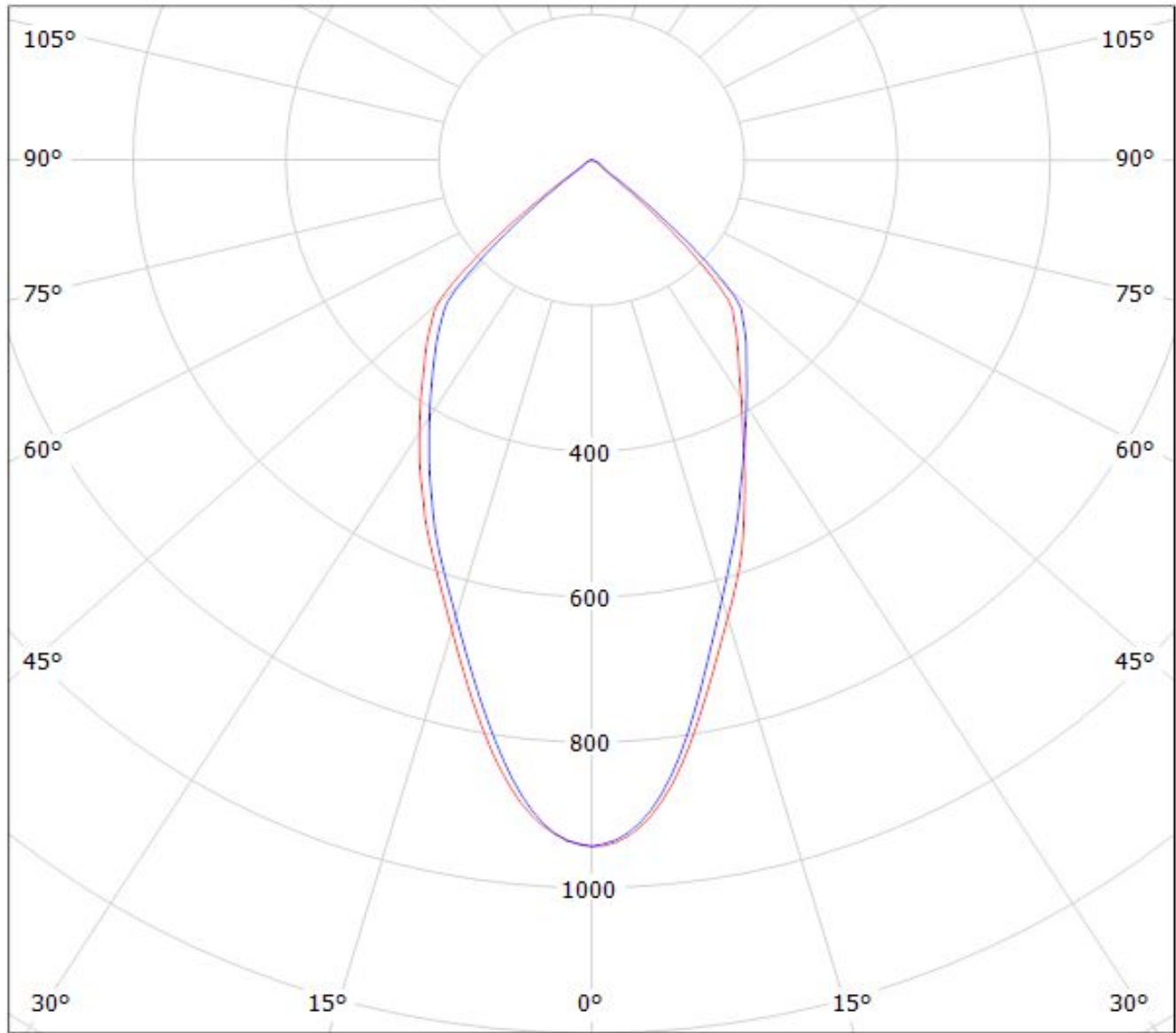
— C0 - C180

— 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



cd/klm

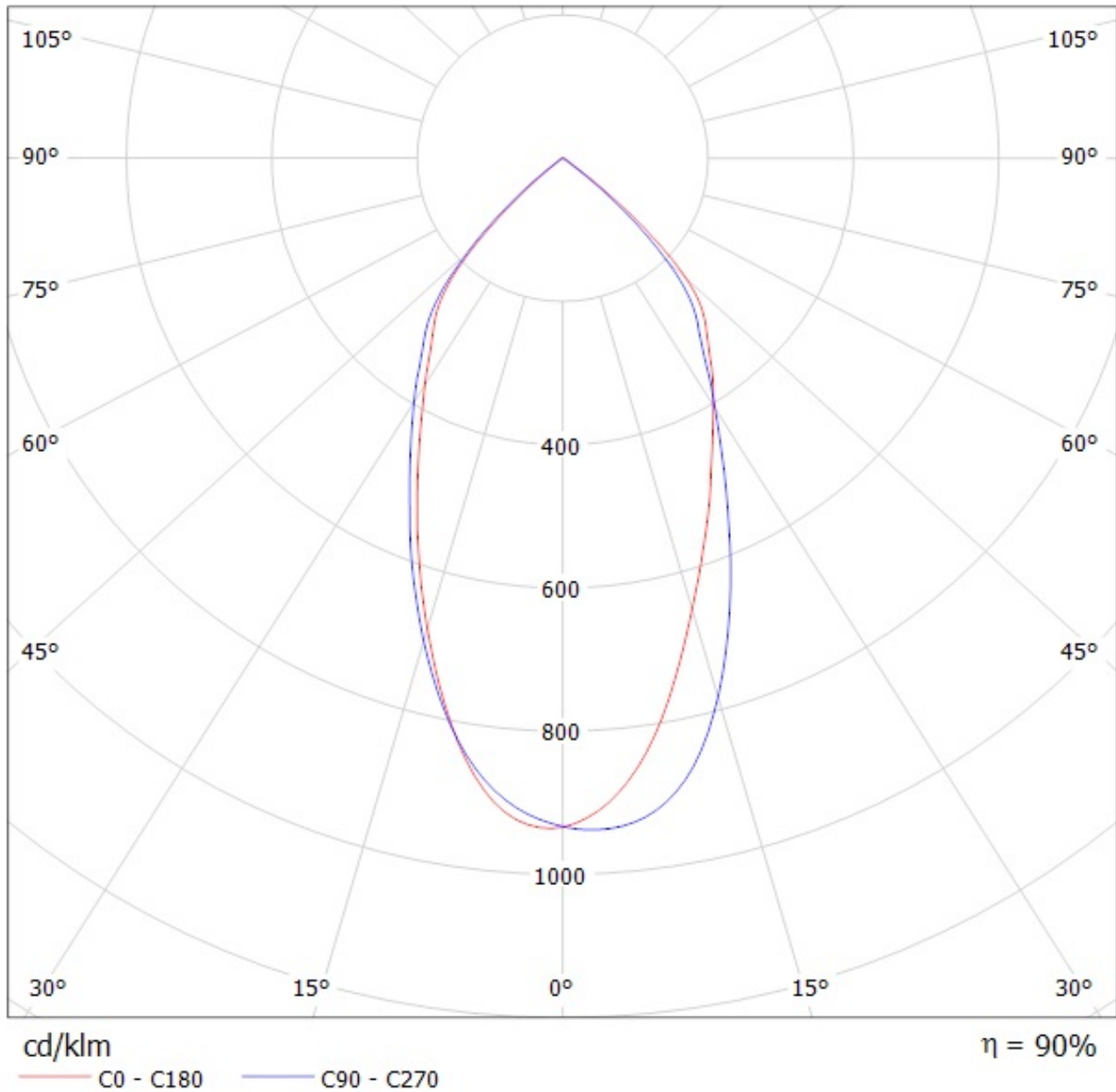
— C0 - C180

— C90 - C270

$\eta = 94\%$

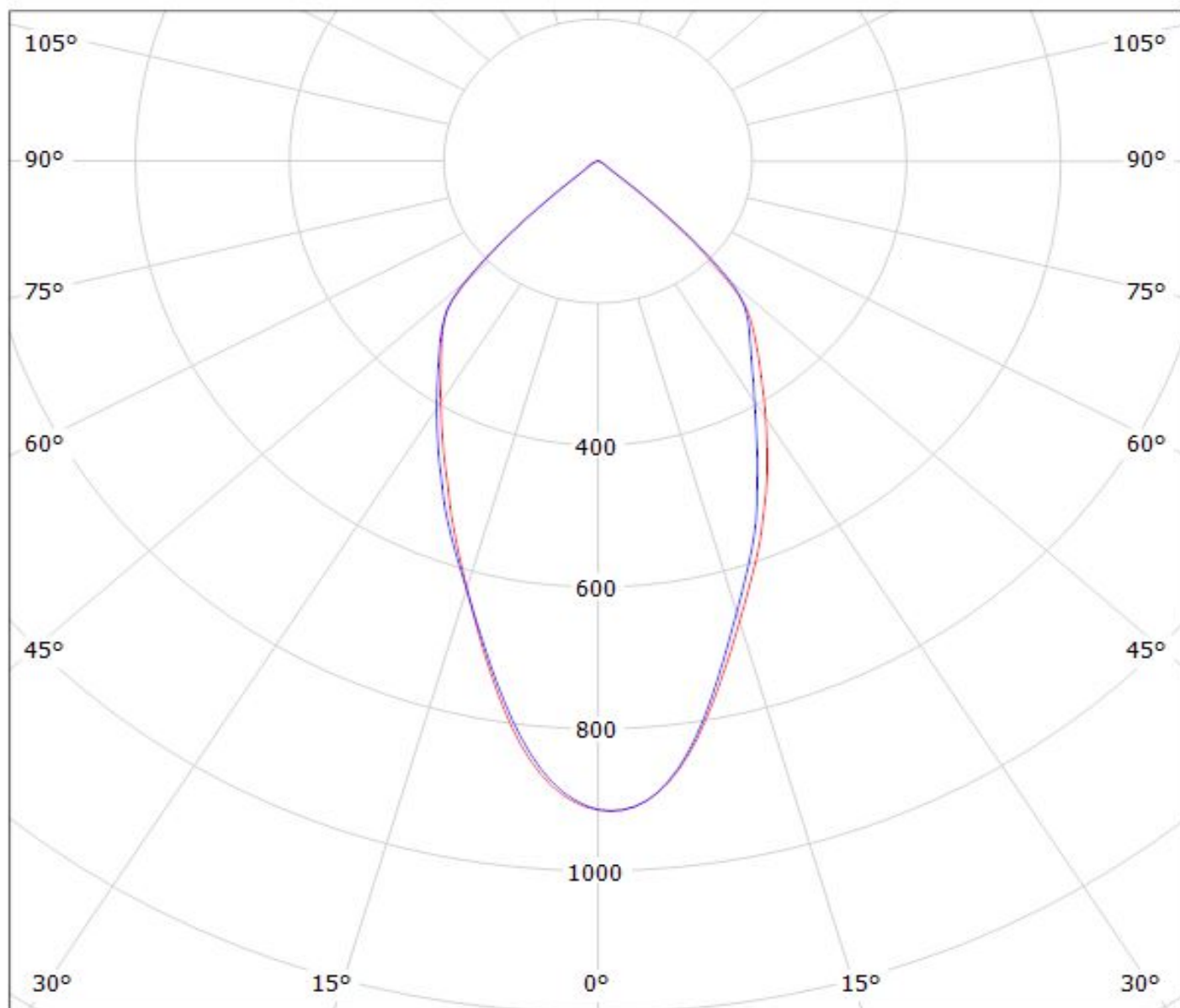
Luminaire: LEDiL Oy C13661_ANGELINA-W-B_(Soleriq-E30) Eff: 90%

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



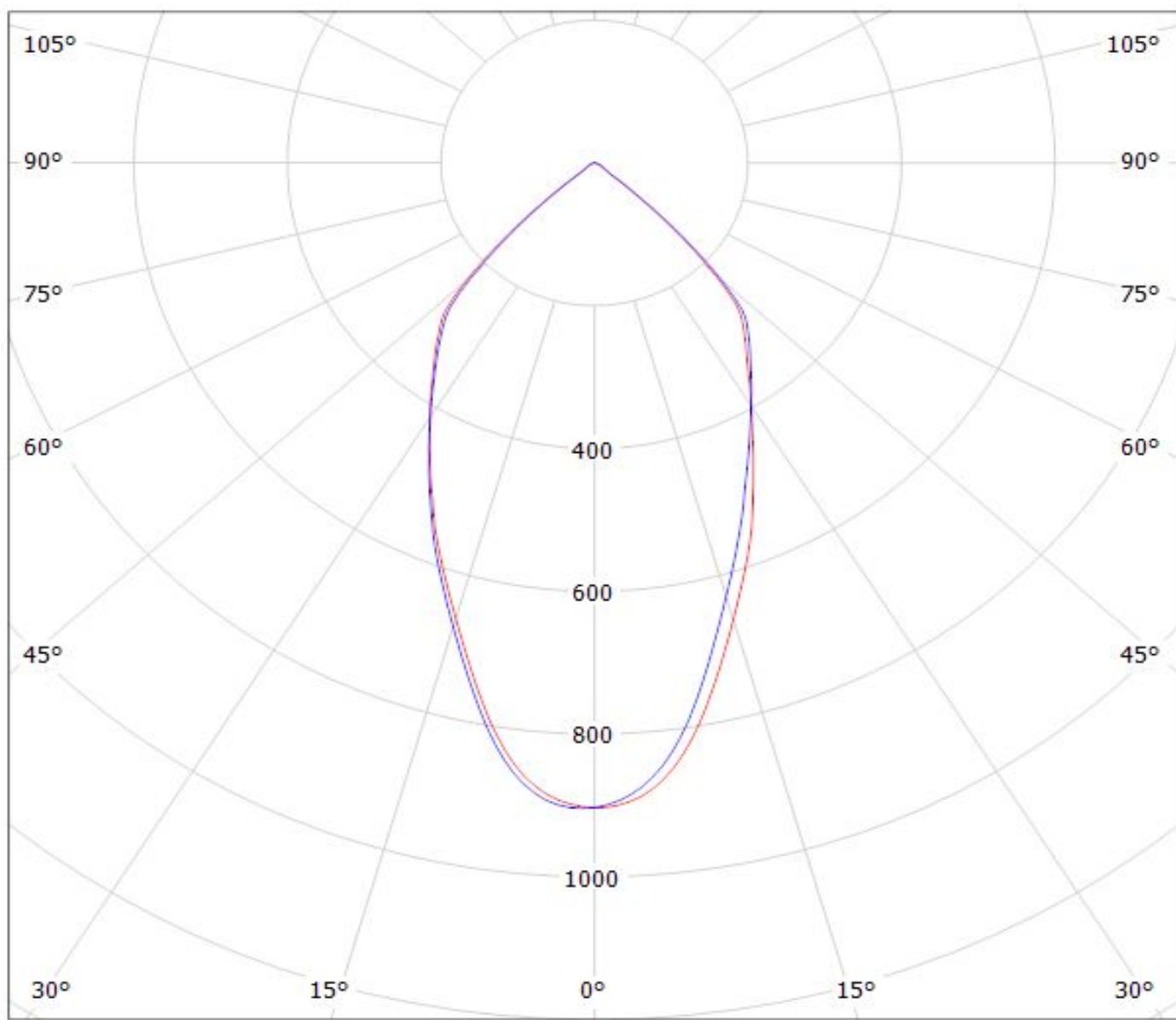
cd/klm

— 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

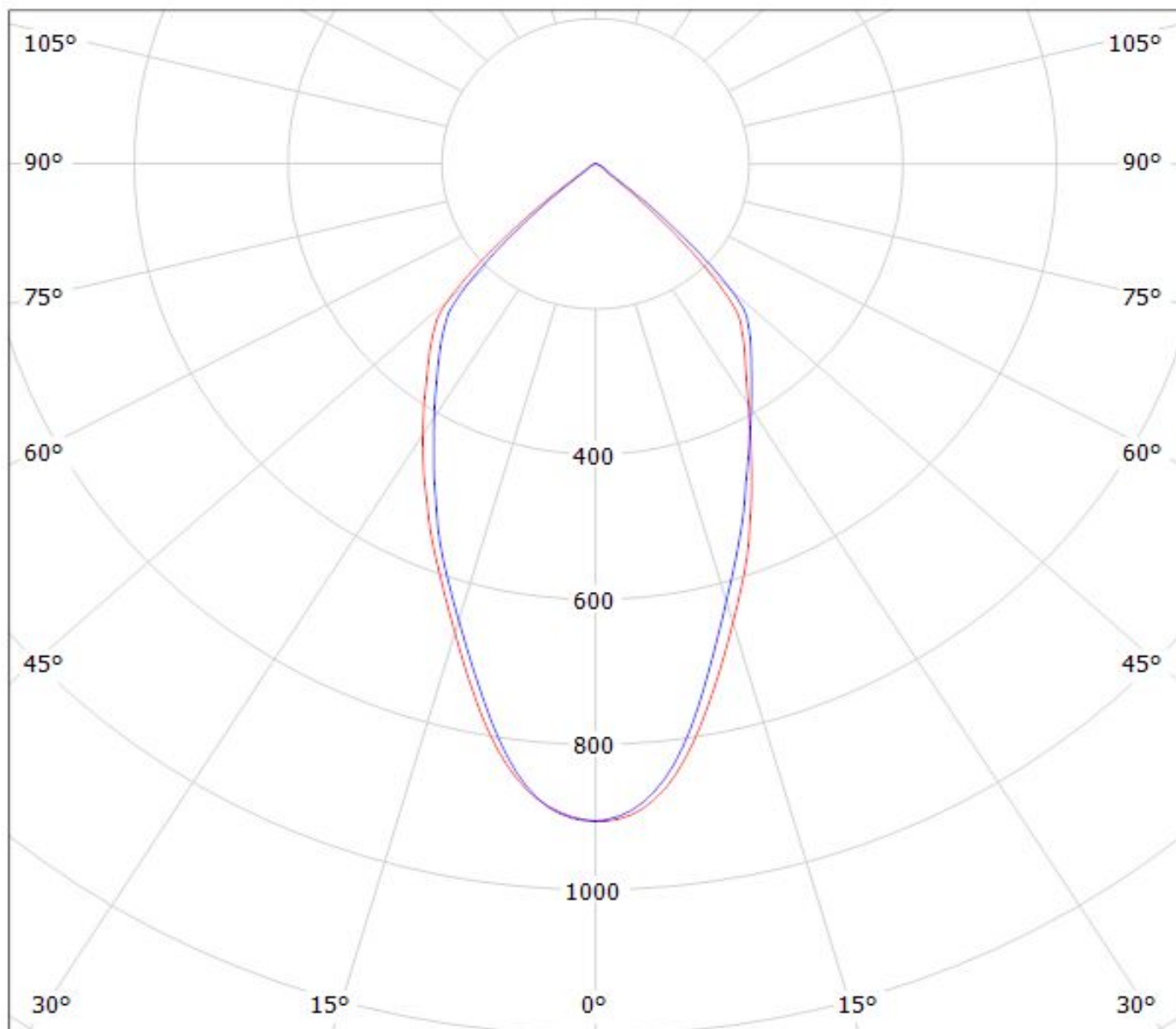
— C0 - C180

— 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



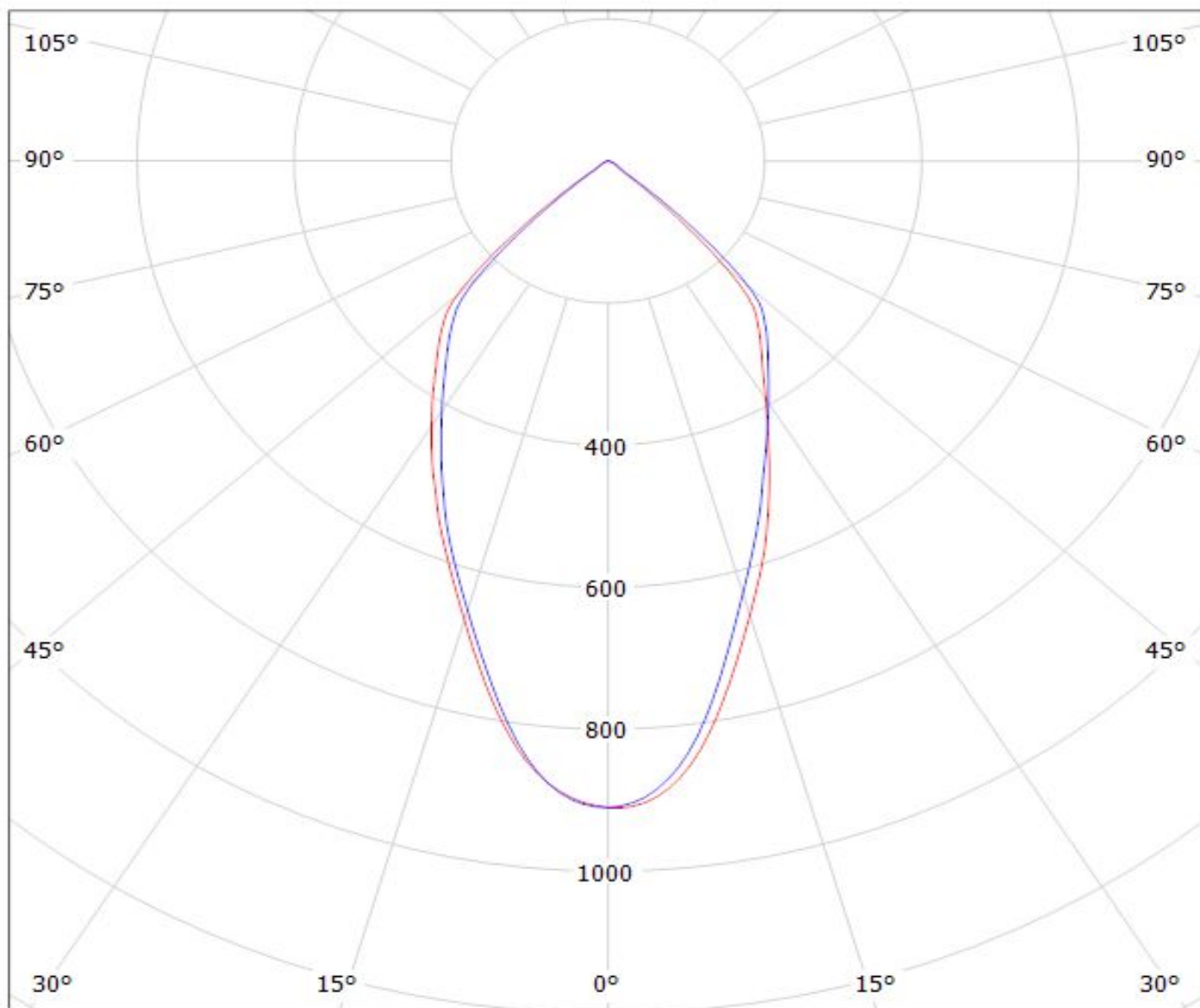
cd/klm

— 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

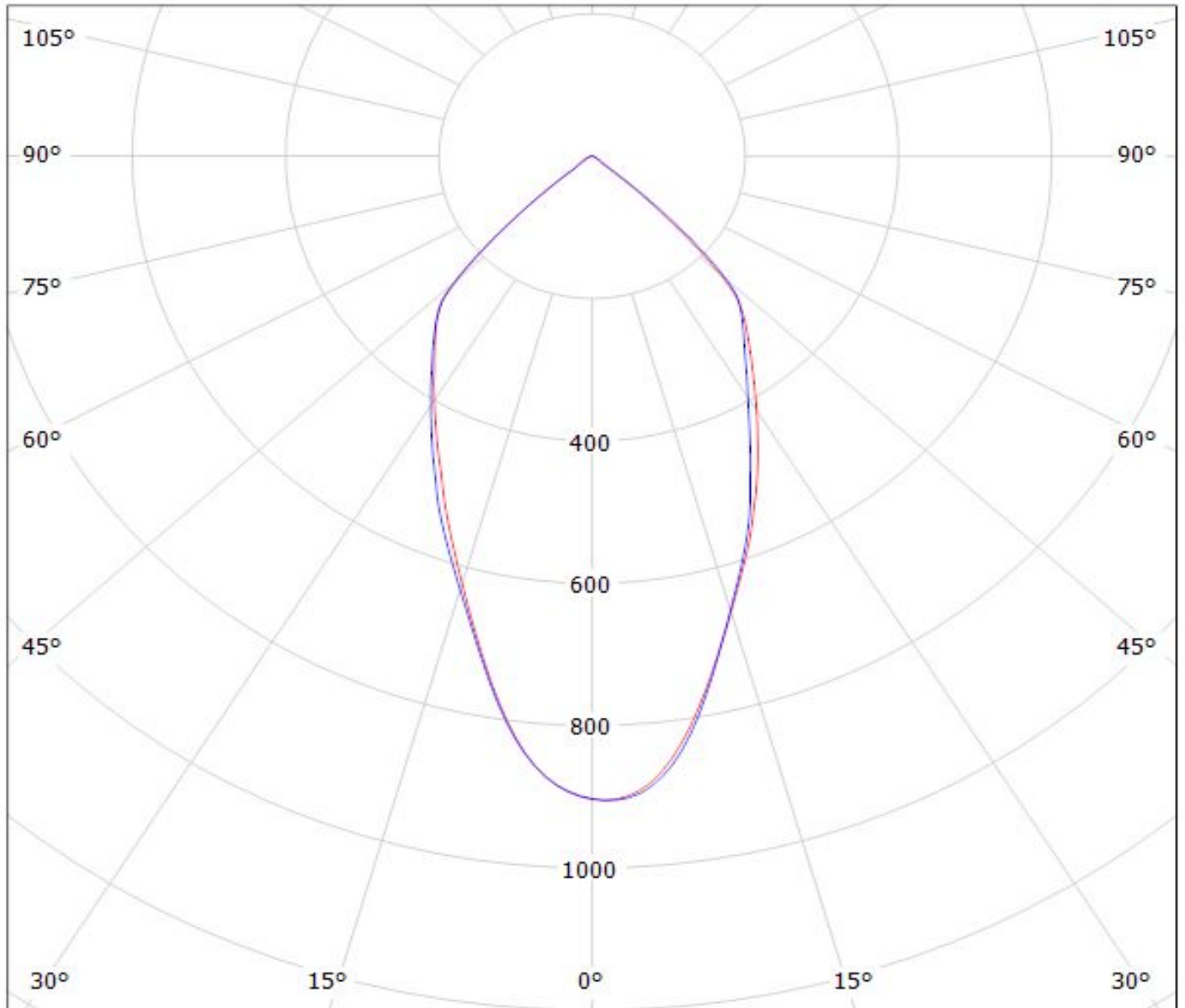
— C0 - C180

— 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



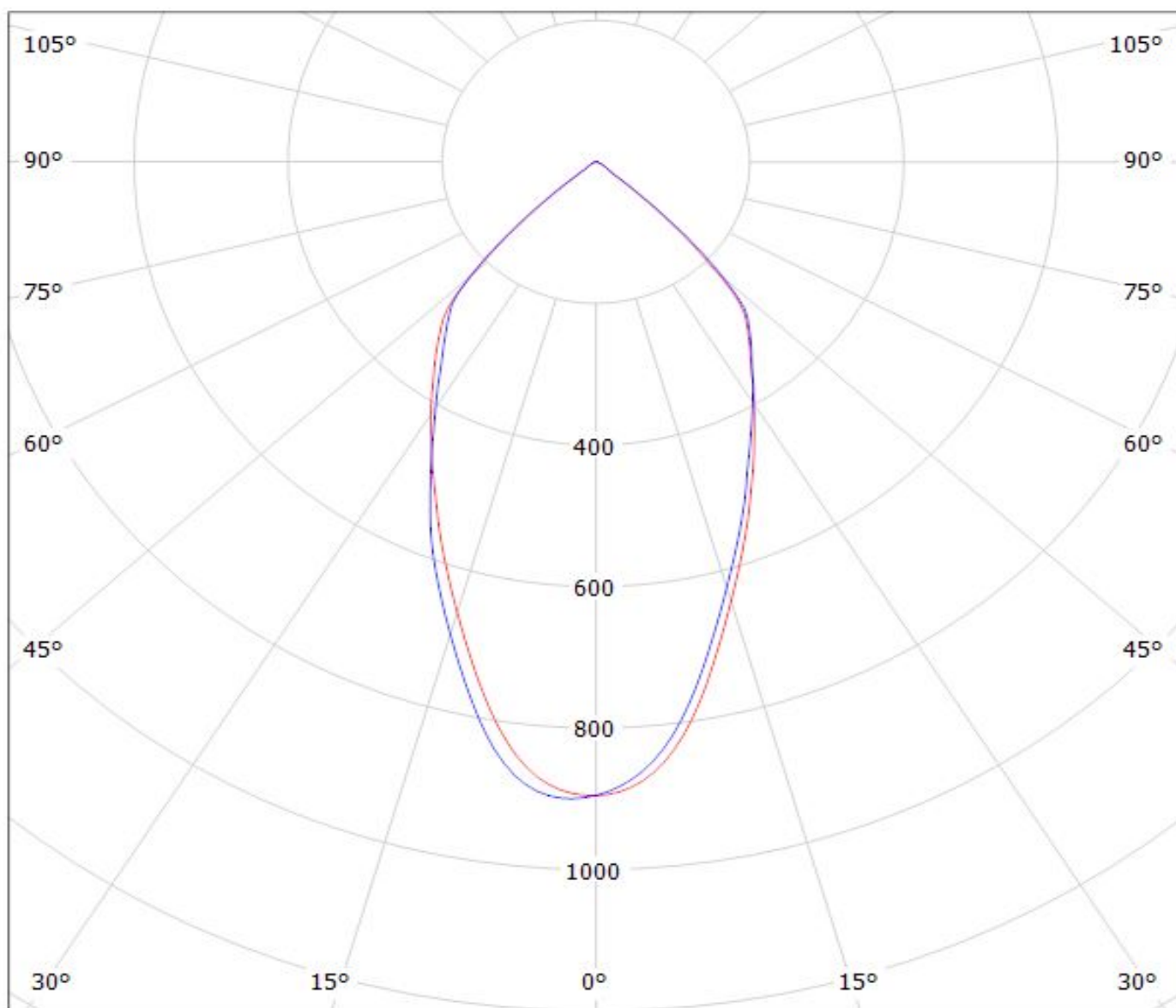
cd/klm

— 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

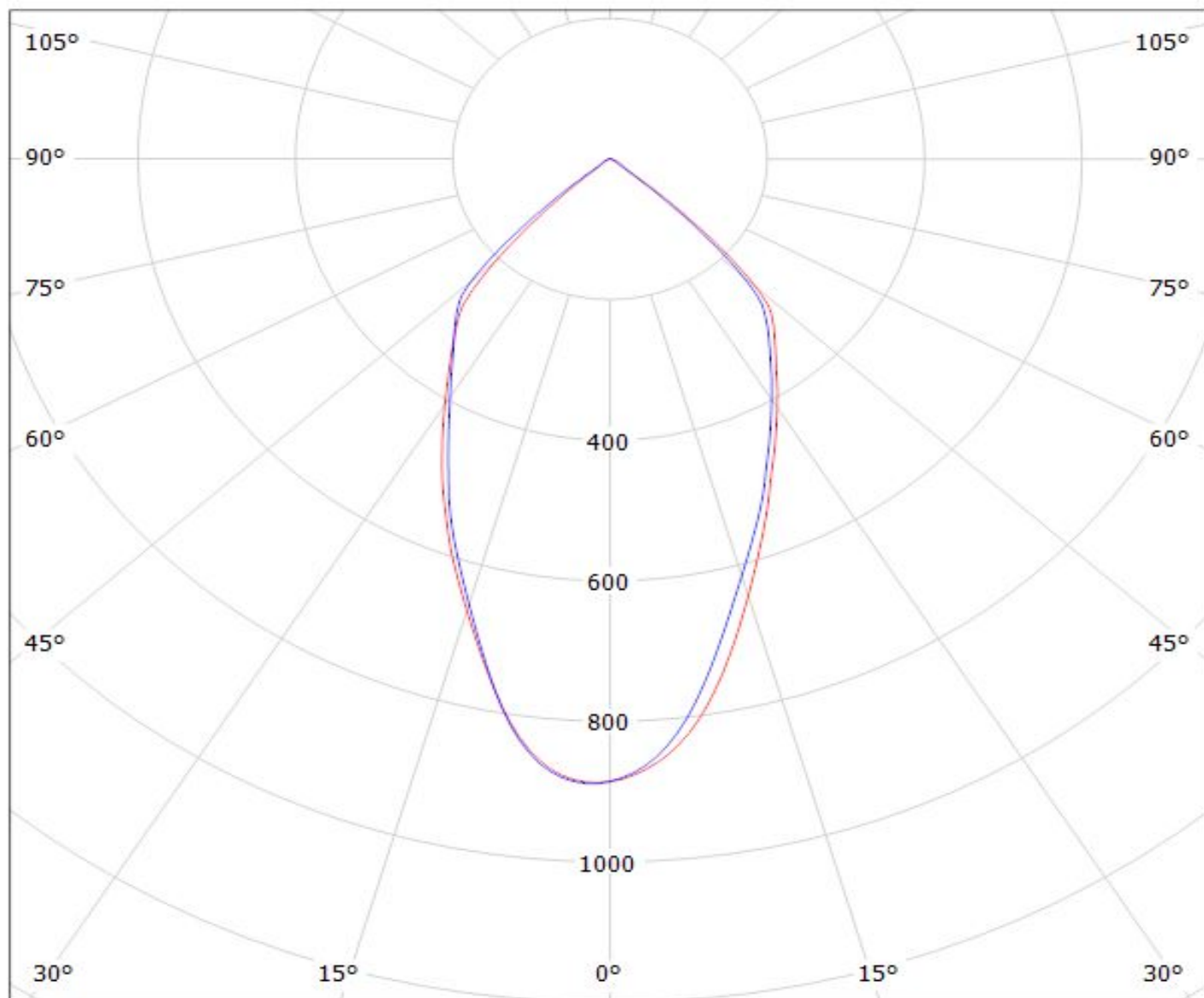


cd/klm

— 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

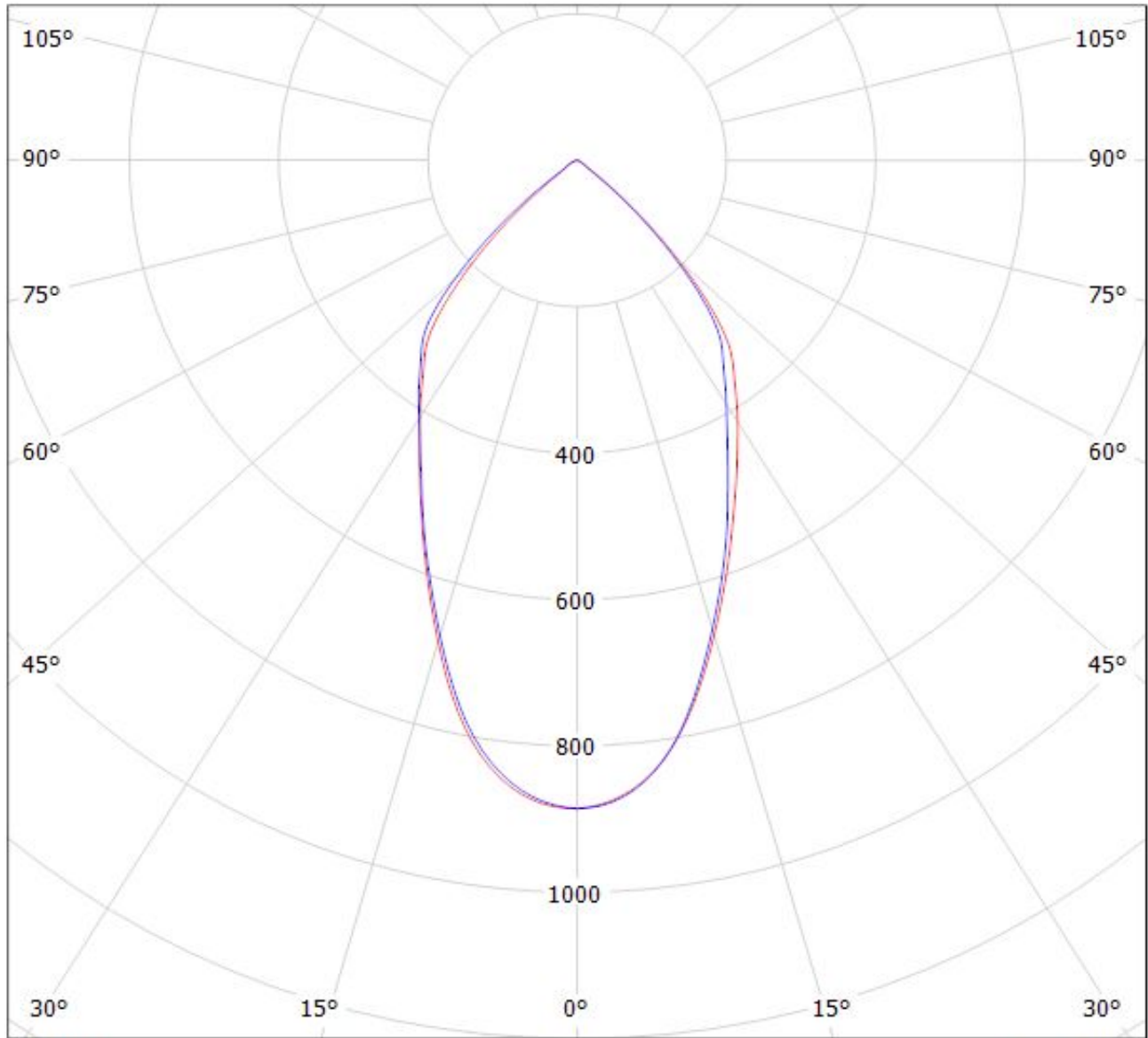


cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(SLE G4 LES23)
Lamps: 1 x Tridonic_SLE_G4_LES23_1428.75lm@250mA_P=8.19944W_I=0.2498A



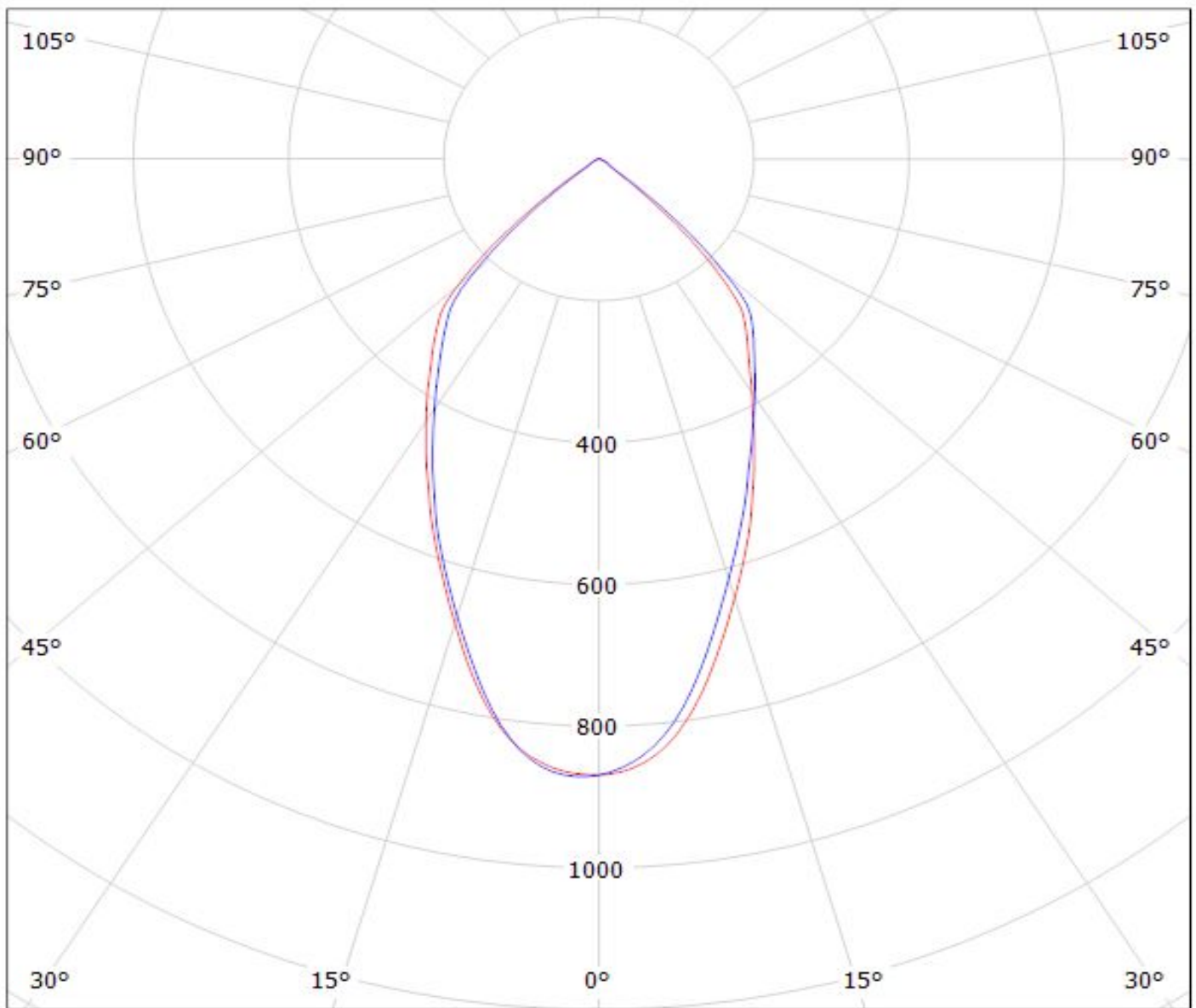
cd/klm

— C0 - C180

— C90 - C270

$\eta = 92\%$

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



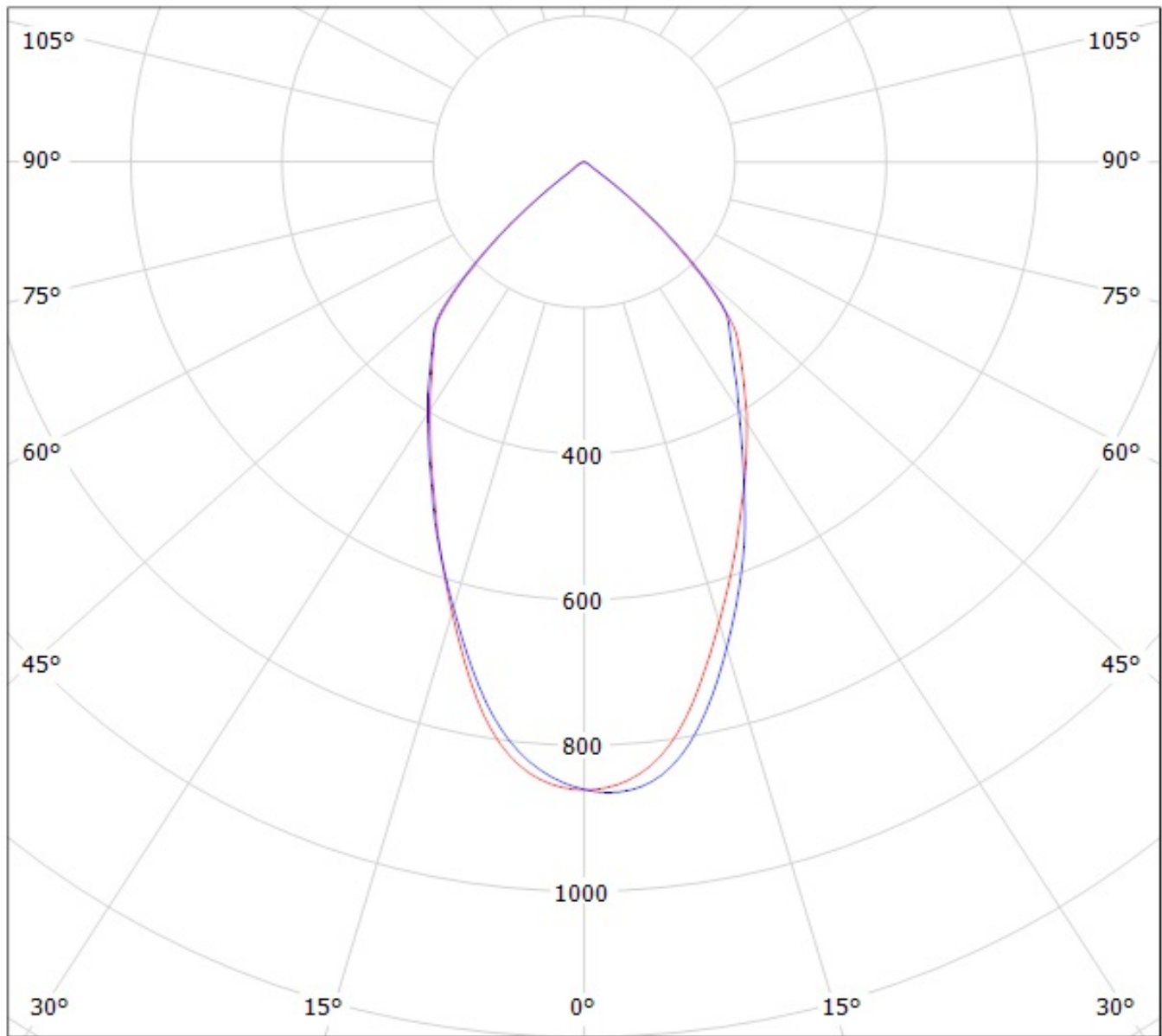
cd/klm

$\eta = 93\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13661_ANGELINA-W-B_(Luxeon_CoB_1211)_(BJB2030)

Lamps: 1 x Luxeon_CoB_1211_(LHC1-5780-1211)_(BJB2030)_1330.16lm@250mA_P=8.03503W_I=0.2499A



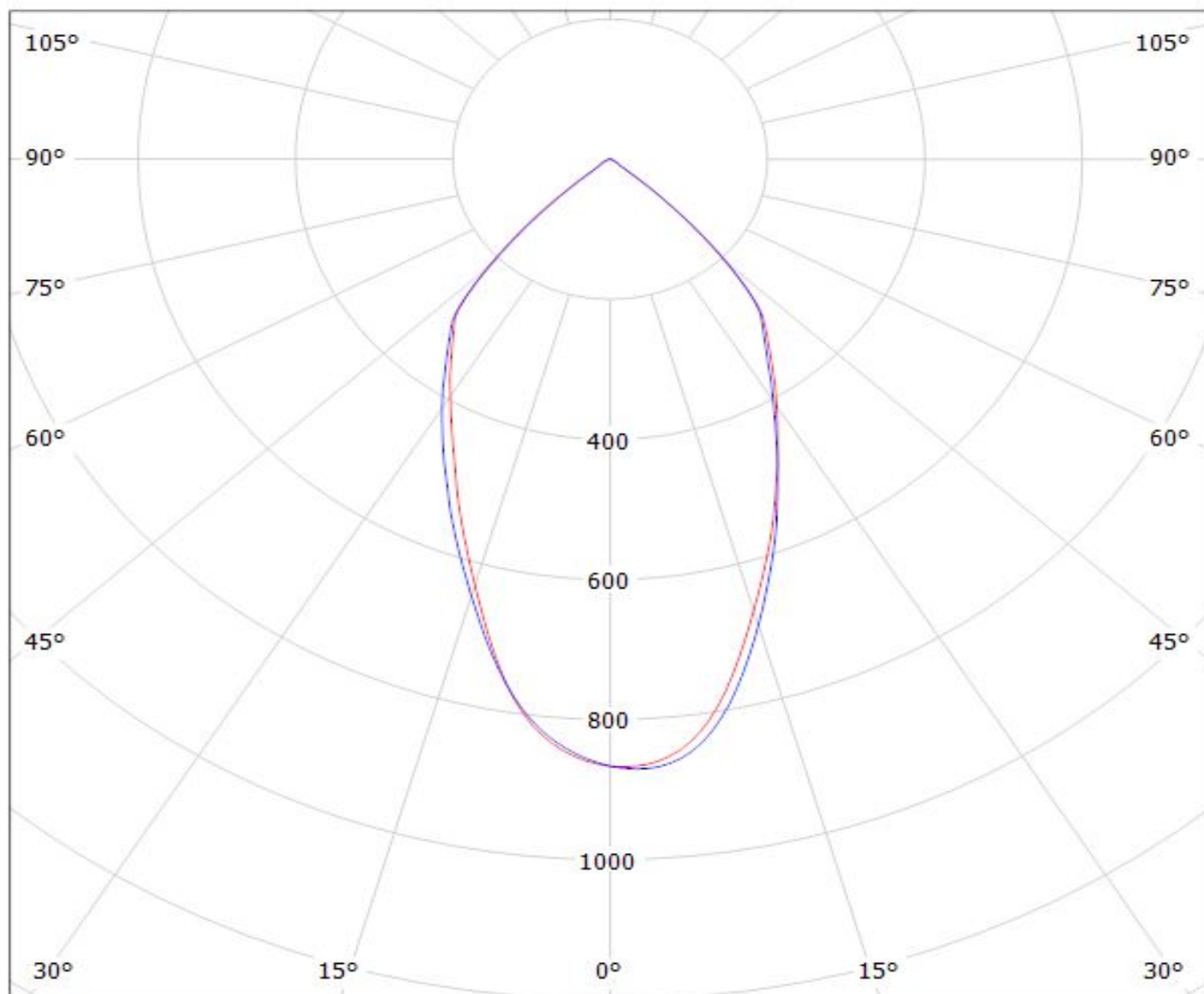
cd/klm

$\eta = 92\%$

— 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



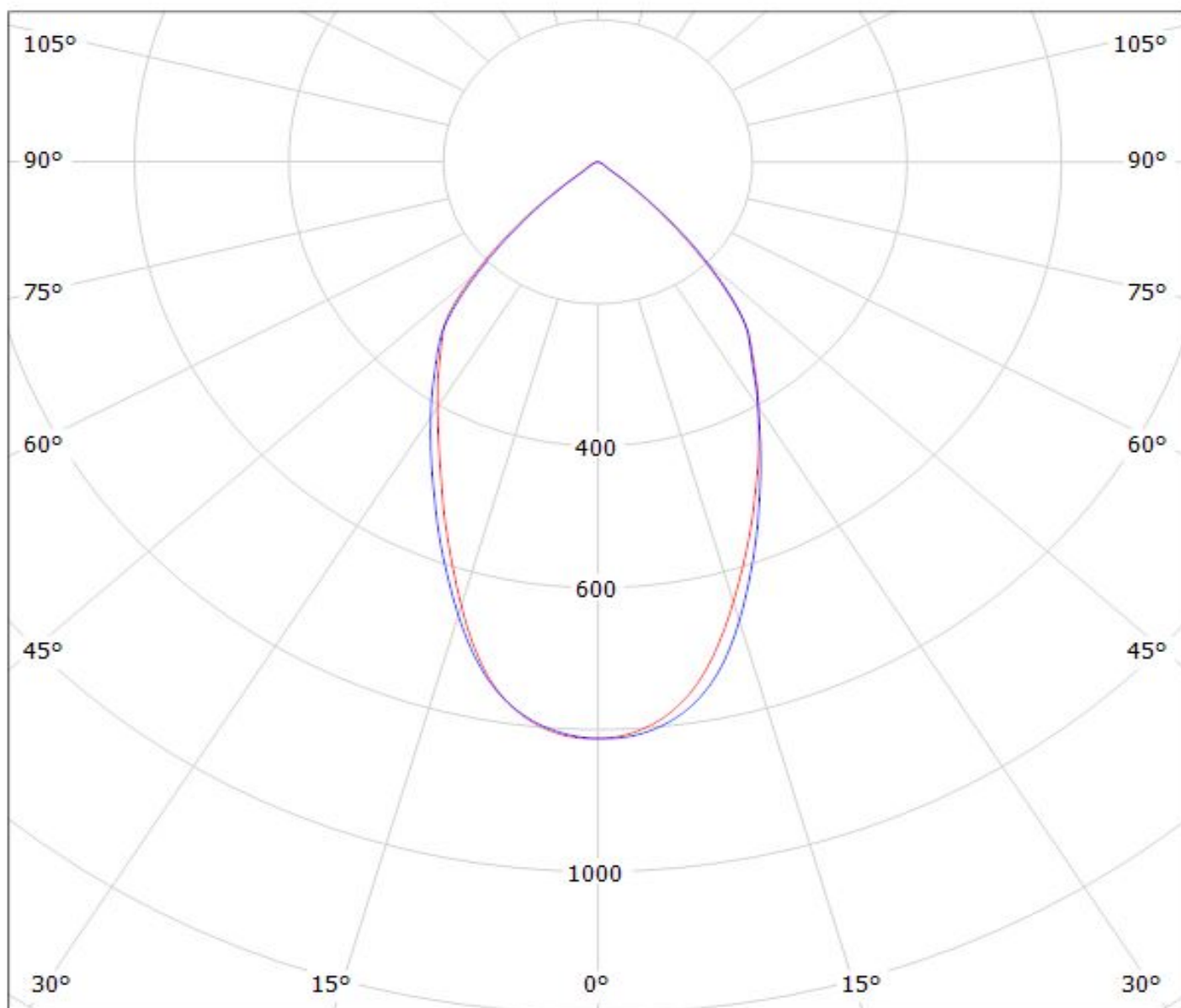
cd/klm

— 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



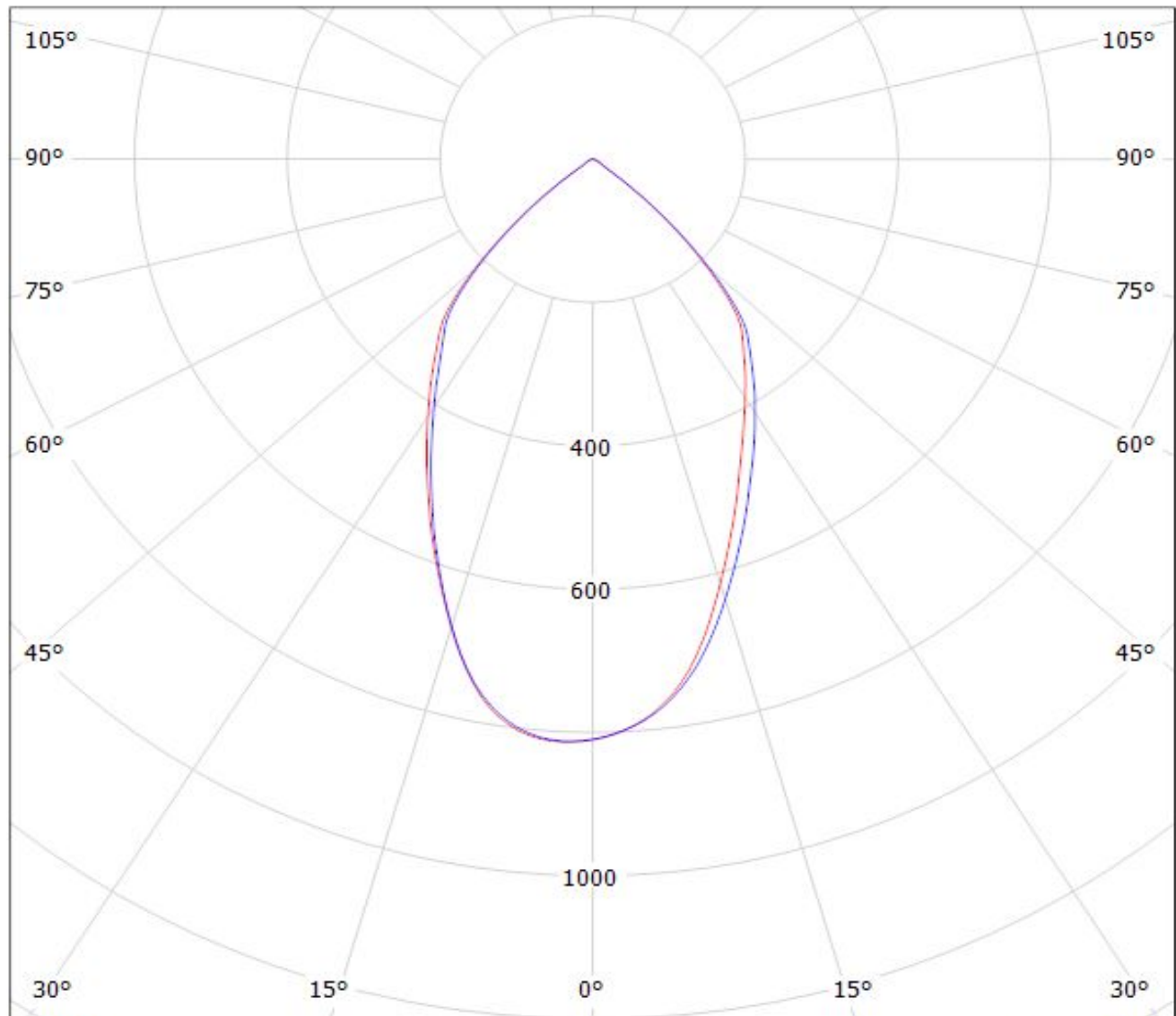
cd/klm

— 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

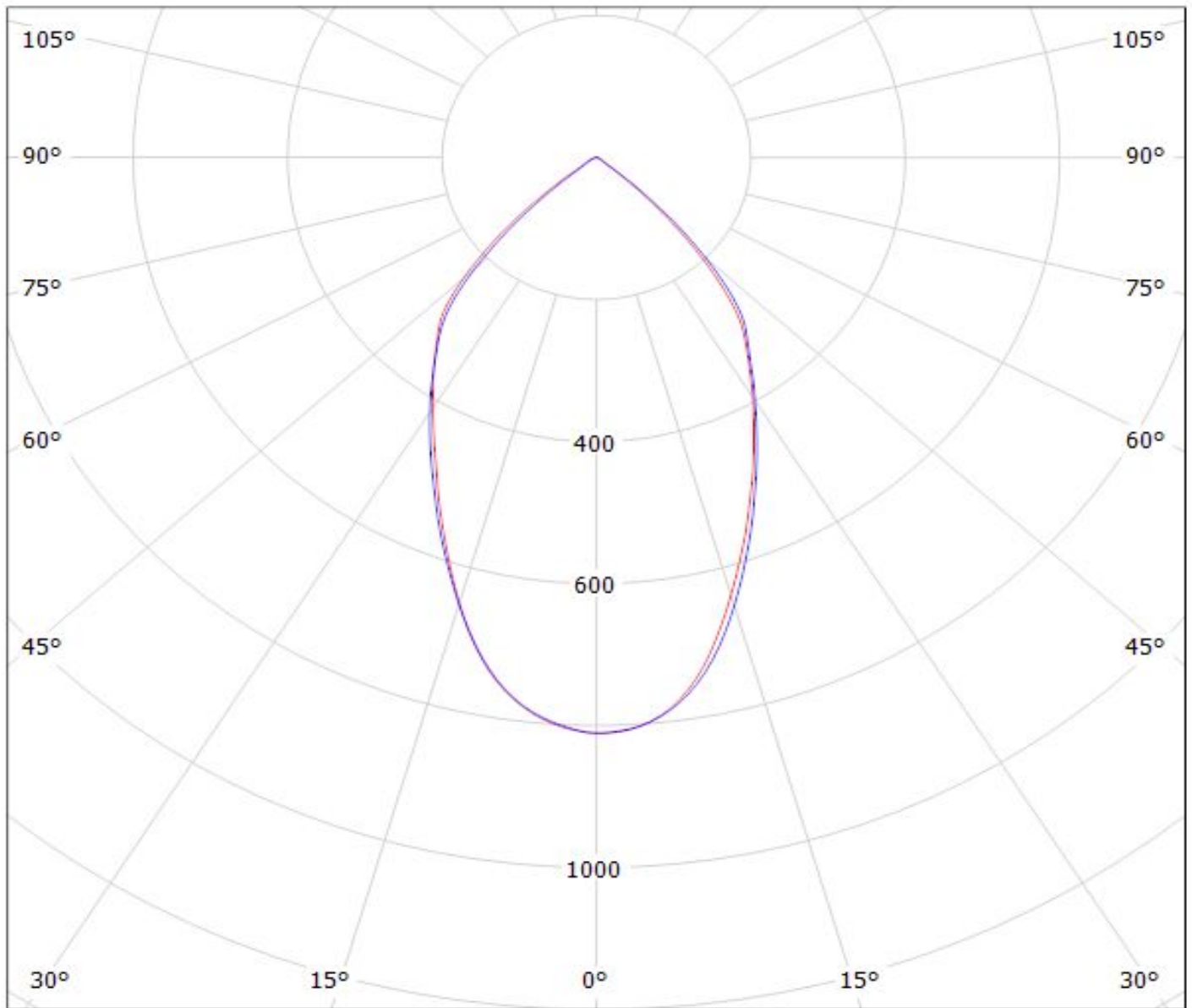
— C0 - C180

— 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

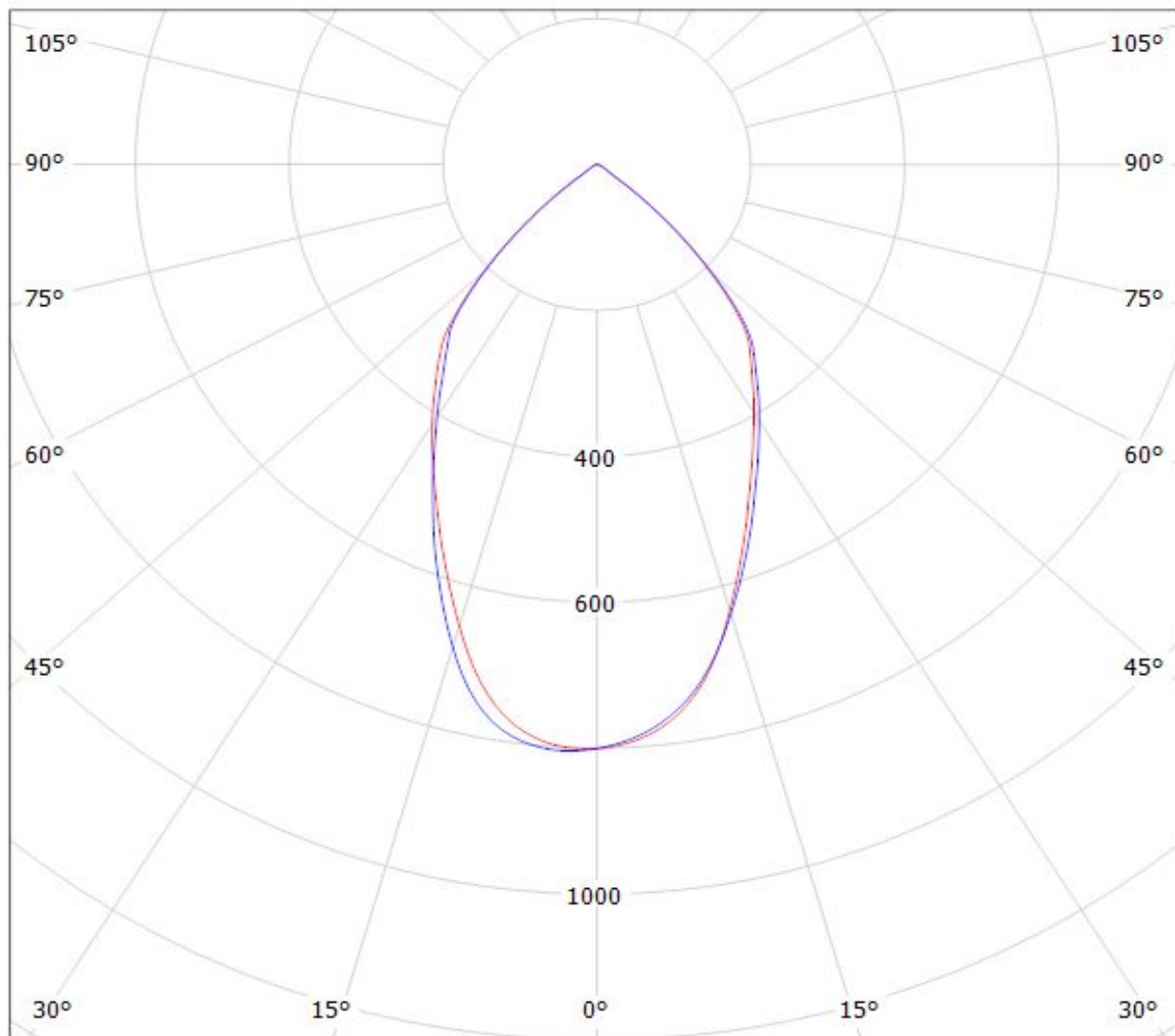
— C0 - C180

— 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

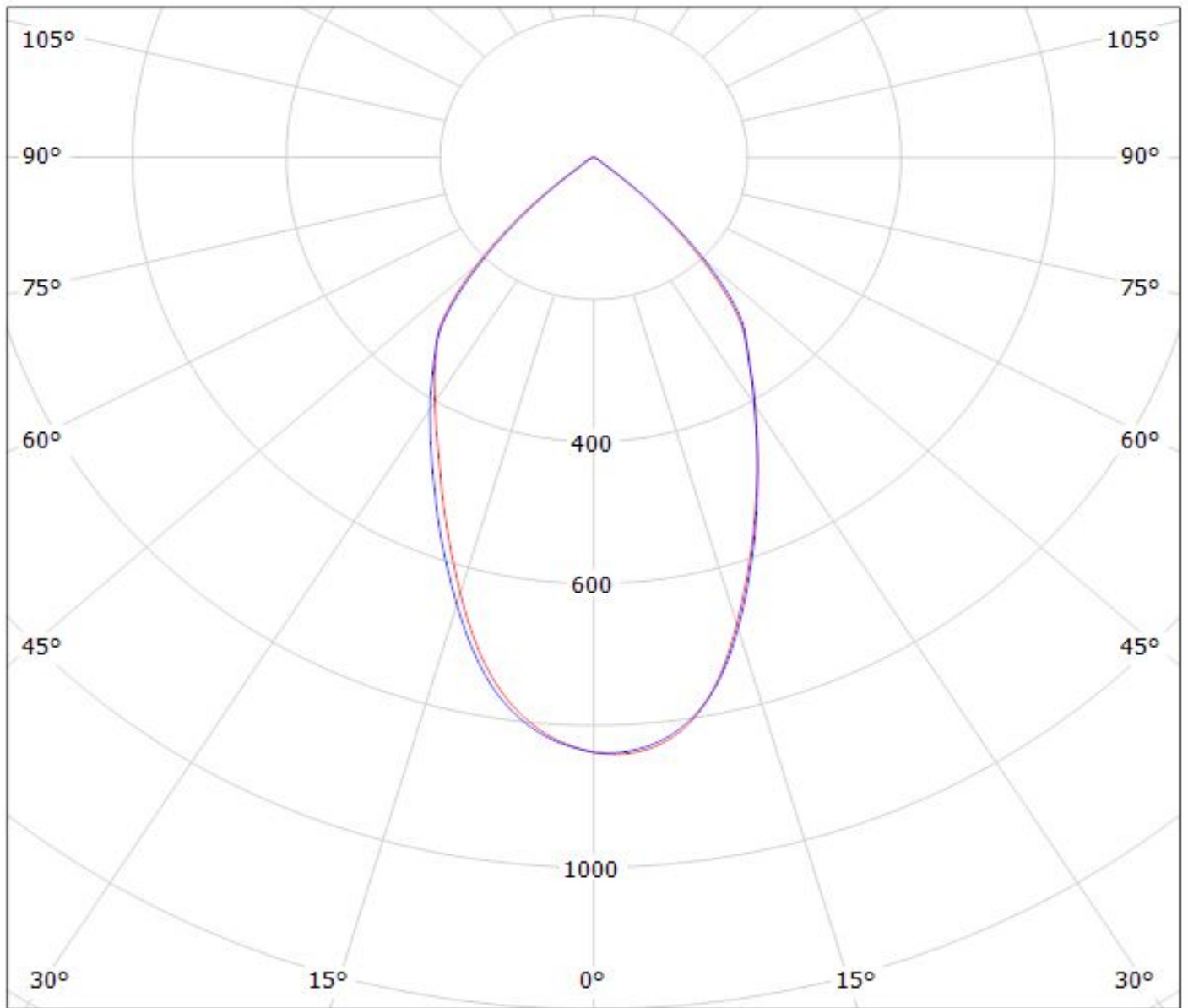
— C0 - C180

— 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.