

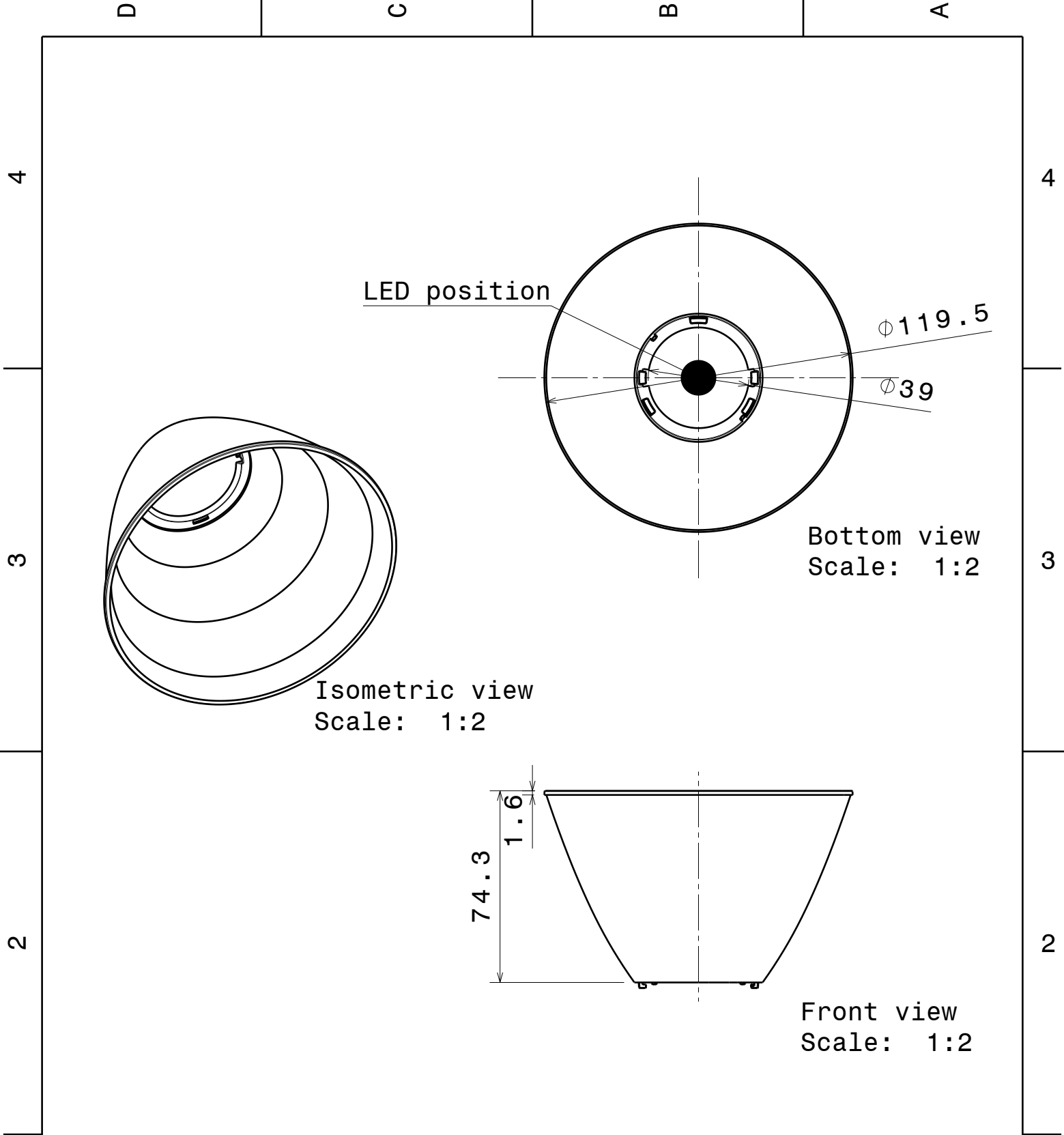
DETAILS

Product Number	F13841_ANGELA-XW-B
Family	ANGELA
Type	Reflector
Color	white
Diameter	119.5 mm
Height	74.5 mm
Style	round
Optic Material	HRPC
Holder Material	
Fastening	
Status	ready
ROHS Compliant	Yes
Date Updated	10/02/2015



OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
CLU730	sim: 70	Wide	sim: 90 %	sim: 0.766	BJB: Solderless Connector 47.319.2030
CLL04x/CLU044	71 deg	Wide	93 %	0.600	BJB: Solderless Connector 47.319.2030
Soleriq E30	71 deg	Wide	93 %	0.640	BJB: Solderless Connector 47.319.2090
SLE G4 LES23 H	71 deg	Wide	93 %	0.640	-
ZC25/40	71 deg	Wide	93 %	0.640	A.A.G. STUCCHI: 8102/G2
CXA/B 30xx	71 deg	Wide	92 %	0.640	A.A.G. STUCCHI: 8404/G2
LUXEON CoB 1211	71 deg	Wide	93 %	0.640	A.A.G. STUCCHI: 8102/G2
SLE G4 LES19 H	71 deg	Wide	93 %	0.650	-
CXM-22	72 deg	Wide	93 %	0.600	BJB: Solderless Connector 47.319.2030
LUXEON CoB 1211	72 deg	Wide	93 %	0.630	BJB: Solderless Connector 47.319.2030
CLL03x/CLU034	72 deg	Wide	94 %	0.660	BJB: Solderless Connector 47.319.2021
LUXEON K12	72 deg	Wide	94 %	0.700	BJB: Solderless Connector 47.319.2070
LUXEON K16	72 deg	Wide	94 %	0.700	BJB: Solderless Connector 47.319.2070
Mega Zenigata (GW6DME)	72 deg	Wide	94 %	0.700	BJB: Solderless Connector 47.319.2011
CLU720	72 deg	Wide	94 %	0.640	A.A.G. STUCCHI: 8101/G2
Soleriq S19	72 deg	Wide	93 %	0.640	A.A.G. STUCCHI: 8503/G2
CXM-14	72 deg	Wide	94 %	0.640	BJB: Solderless Connector 47.319.2021
COB 40W/60W	72 deg	Wide	92 %	0.620	A.A.G. STUCCHI: 8102/G2
CLL03x/CLU034	72 deg	Wide	94 %	0.640	A.A.G. STUCCHI: 8101/G2
CLL04x/CLU044	72 deg	Wide	93 %	0.620	A.A.G. STUCCHI: 8102/G2
ZC12/18	72 deg	Wide	93 %	0.660	A.A.G. STUCCHI: 8101/G2
Soleriq S19	72 deg	Wide	94 %	0.640	BJB: Solderless Connector 47.319.2170
BXRA ES Rectangle	73 deg	Wide	94 %	0.640	BJB: Solderless Connector 47.319.2040
Soleriq P13	73 deg	Wide	94 %	0.640	A.A.G. STUCCHI: 8502/G2
CLU720	73 deg	Wide	94 %	0.650	BJB: Solderless Connector 47.319.2021

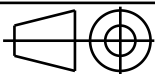


Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

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

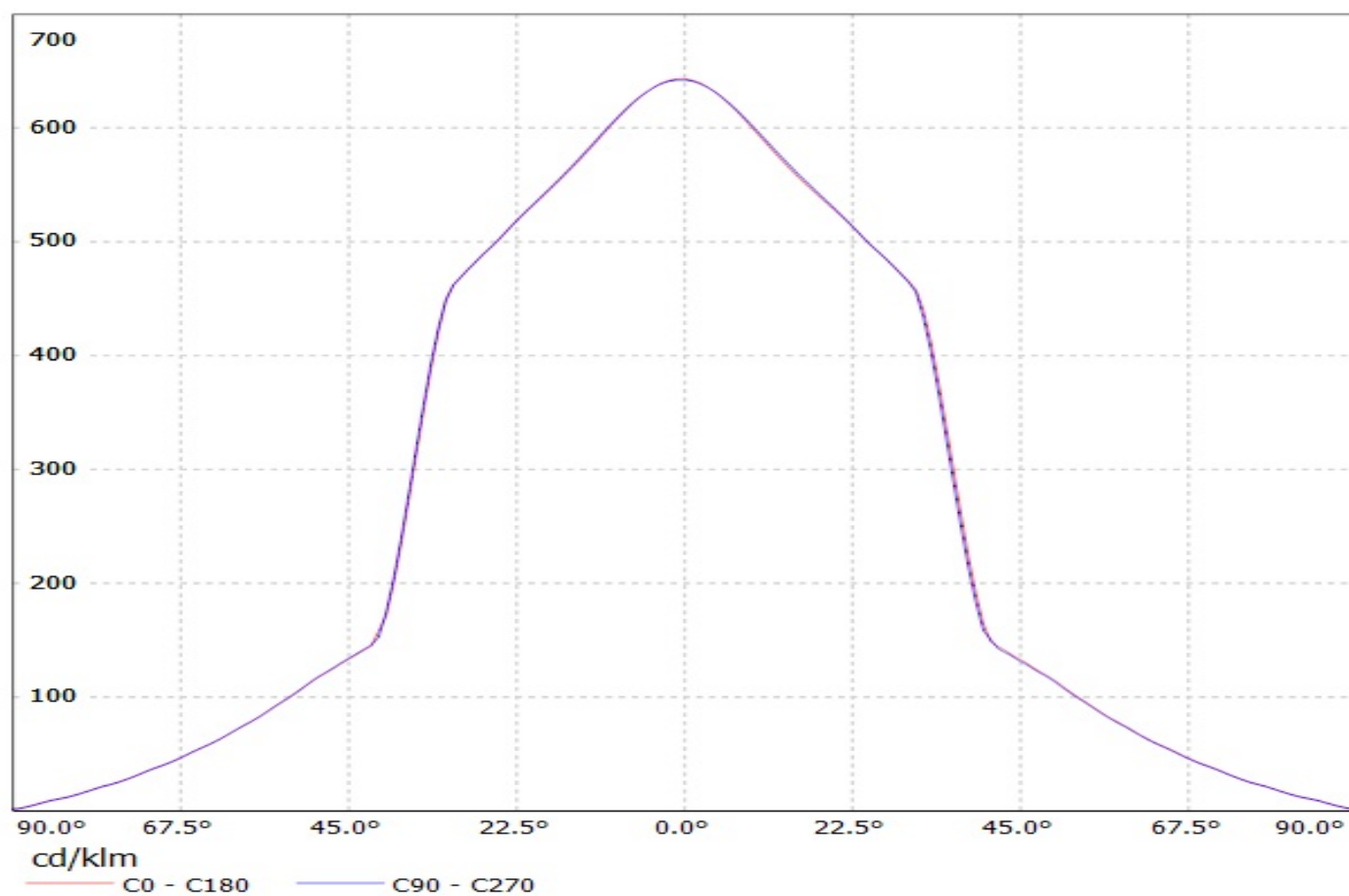
1/1

D

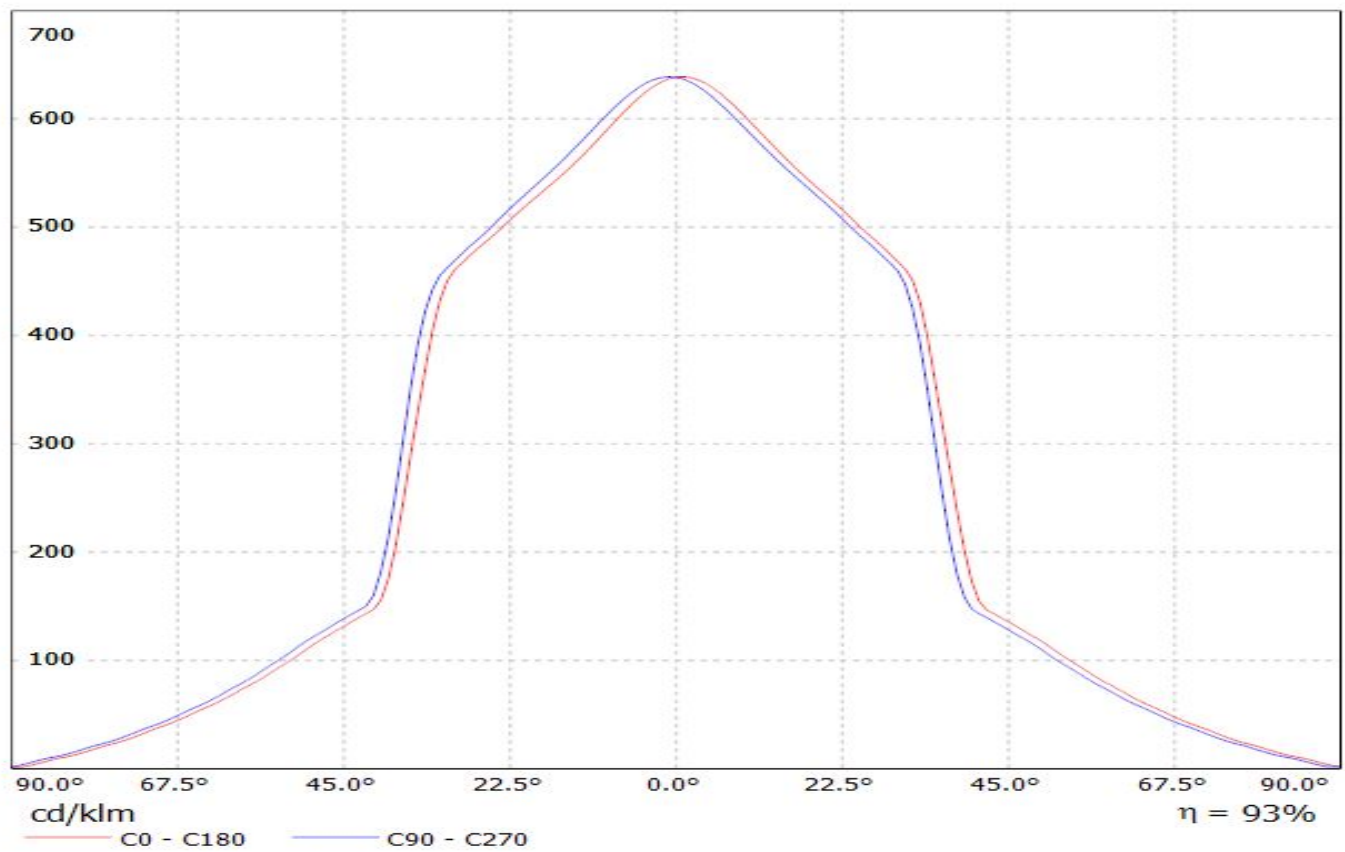
A

Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CLL042) Eff: 93%

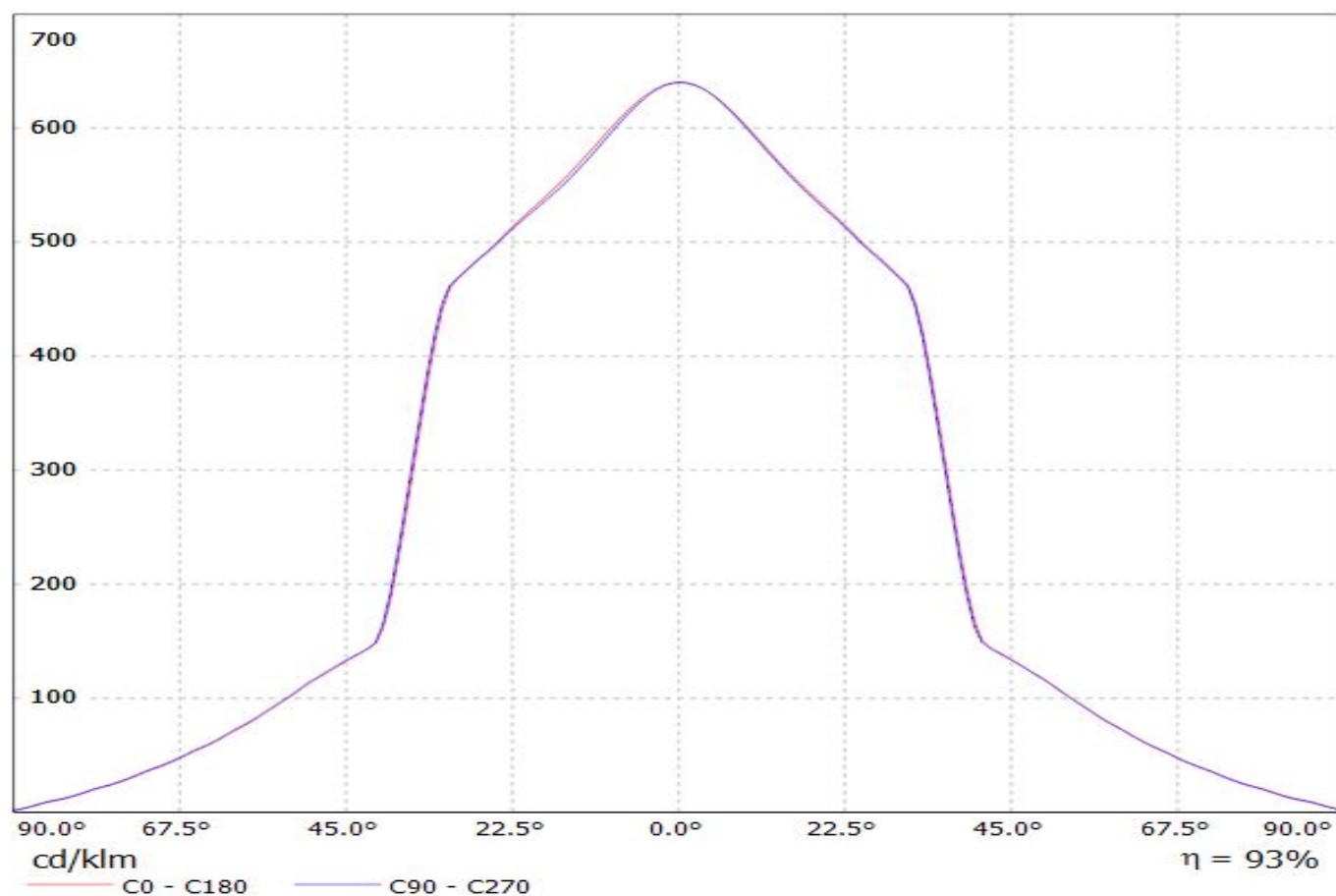
Lamps: 1 x Citizen_CLL042_(CLL042-1218A5-303H3-D2)_941.891lm@250mA_P=8.05555W_I=0.2498A



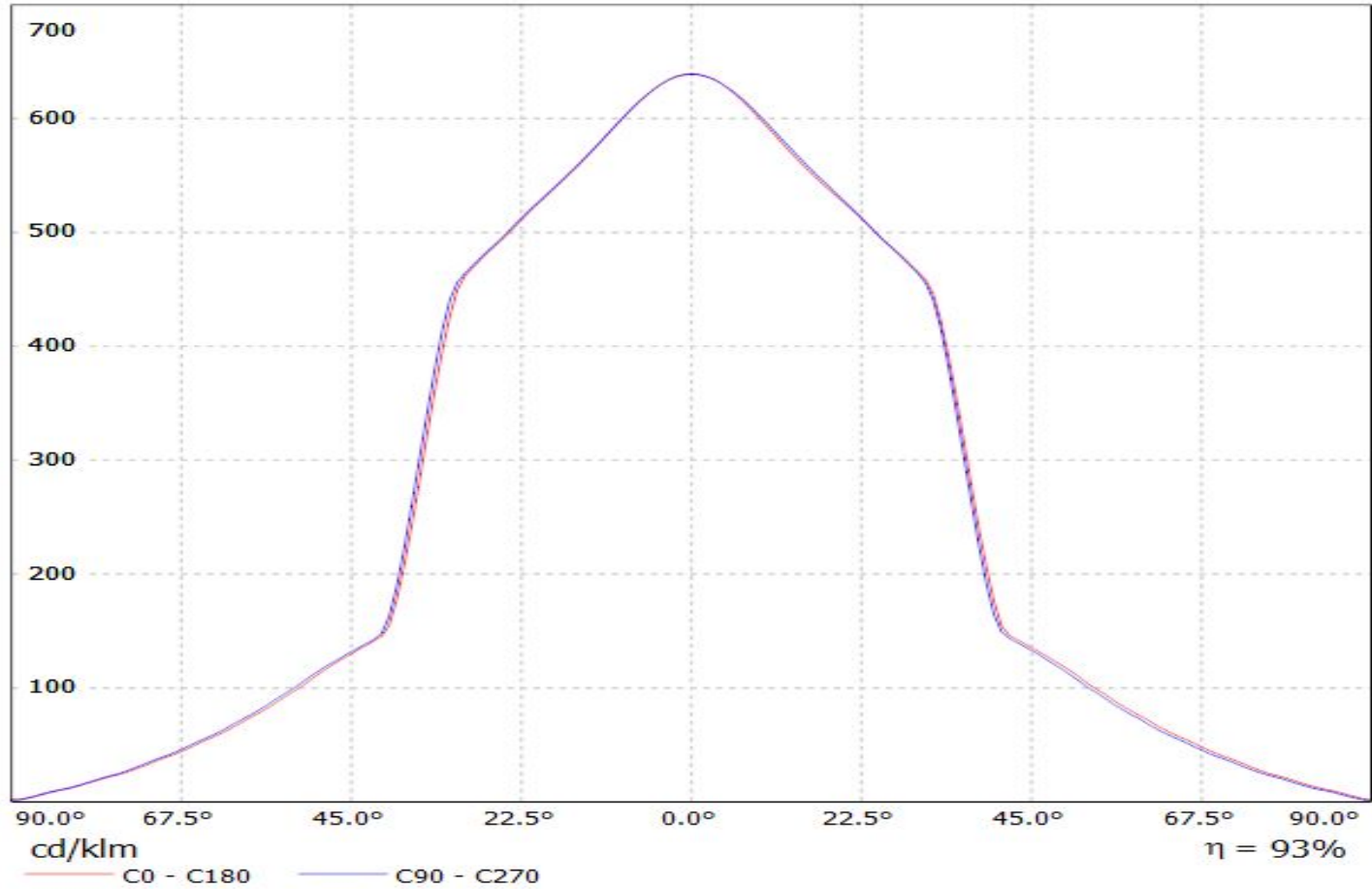
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(SOLERIQ_E30)
Lamps: 1 x Osram_SOLERIQ_E30_1278.11lm@250mA_P=10.0015W_I=249.8mA



Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(SLE G4 LES23)
Lamps: 1 x Tridonic_SLE_G4_LES23_1428.75lm@250mA_P=8.19944W_I=0.2498A

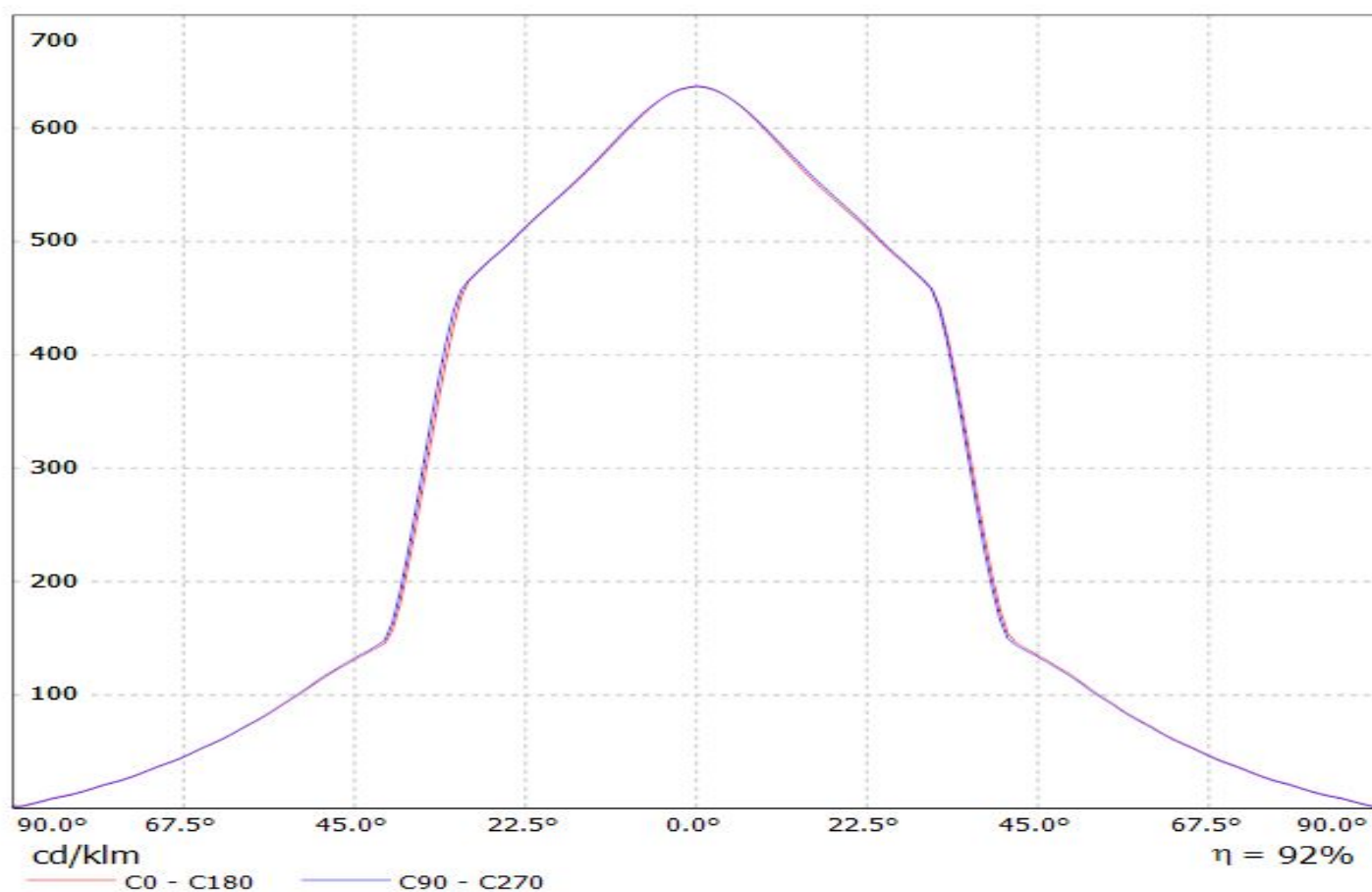


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(ZC40)
Lamps: 1 x SEOUL_ZC40_(SBWW5F1B)_1176.6lm@250mA_P=8.22171W_I=249.9mA

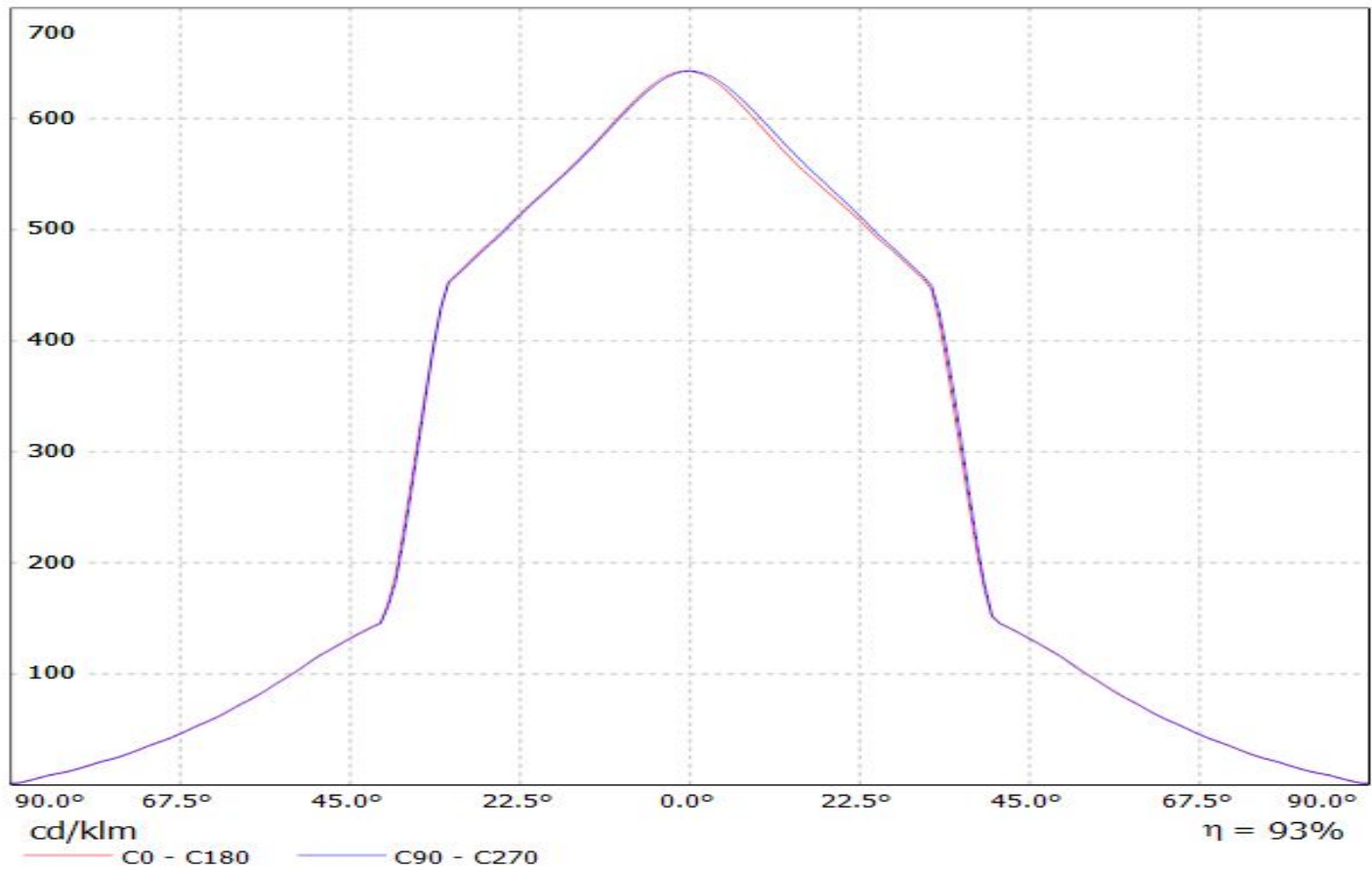


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CXA30)

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

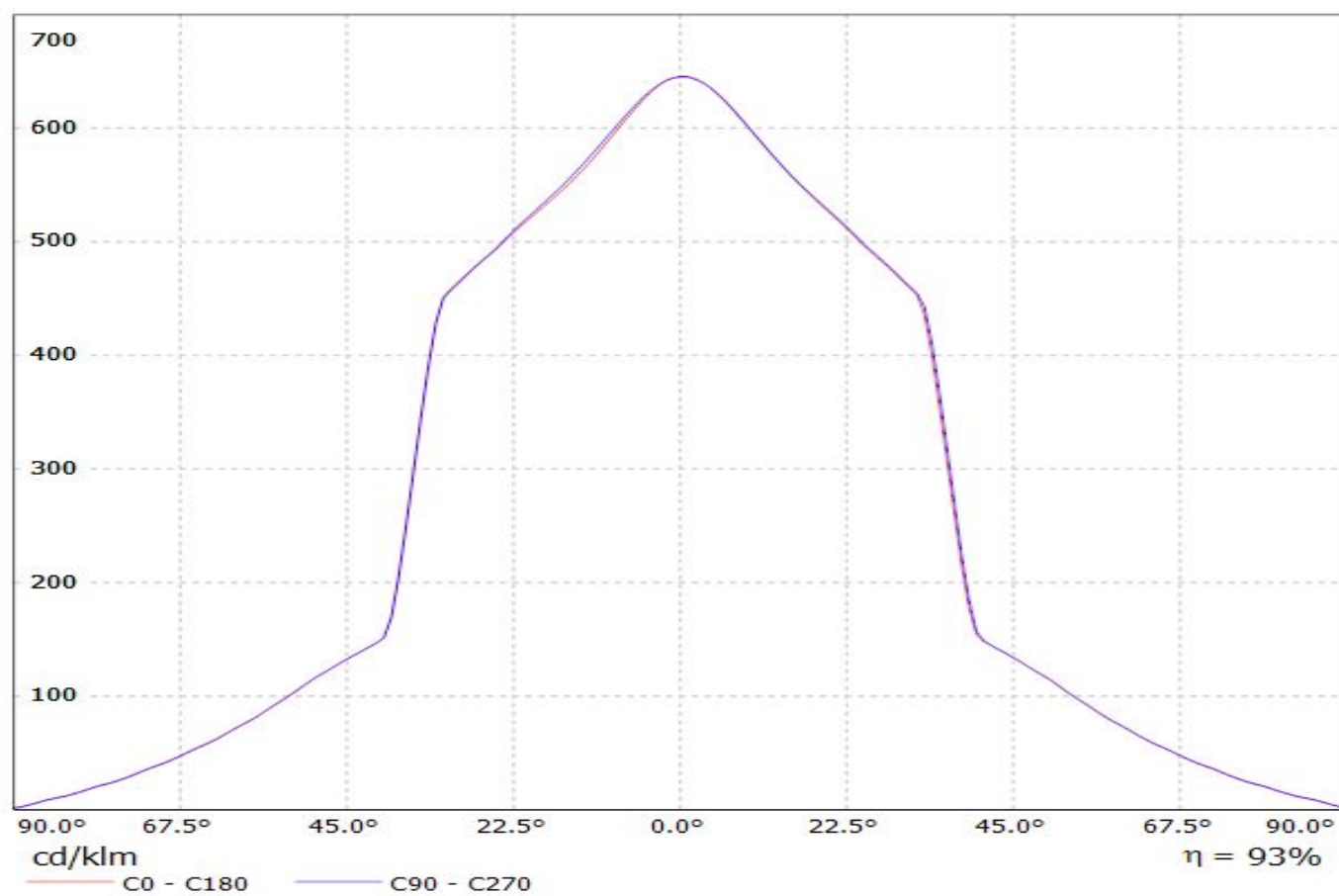


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Luxeon_CoB_1211)
Lamps: 1 x LUXEON_COB_1211_(LHC1-2790-1211)
_923.583lm@250mA_CCT=2700K_P=8.00909W_I=249.8mA

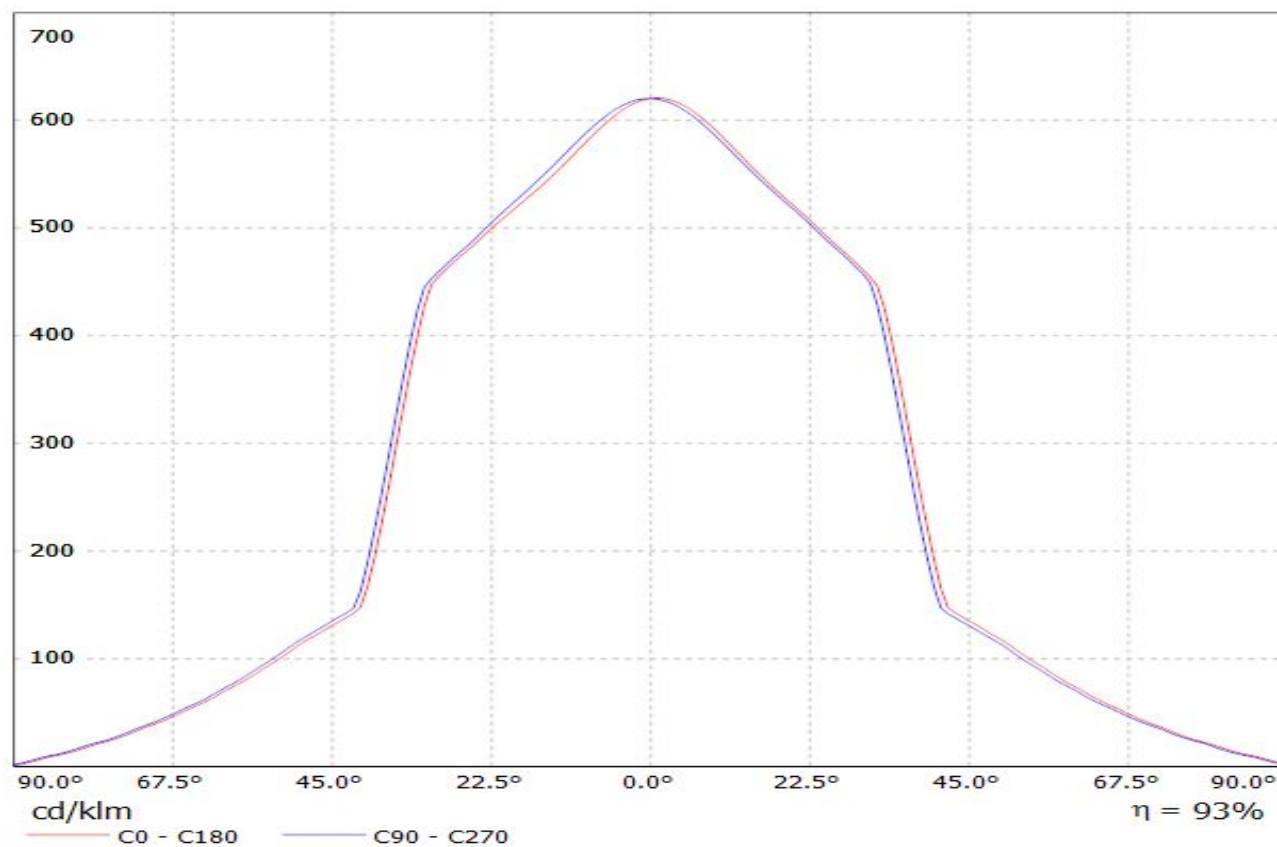


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(SLE GEN4 LES19)

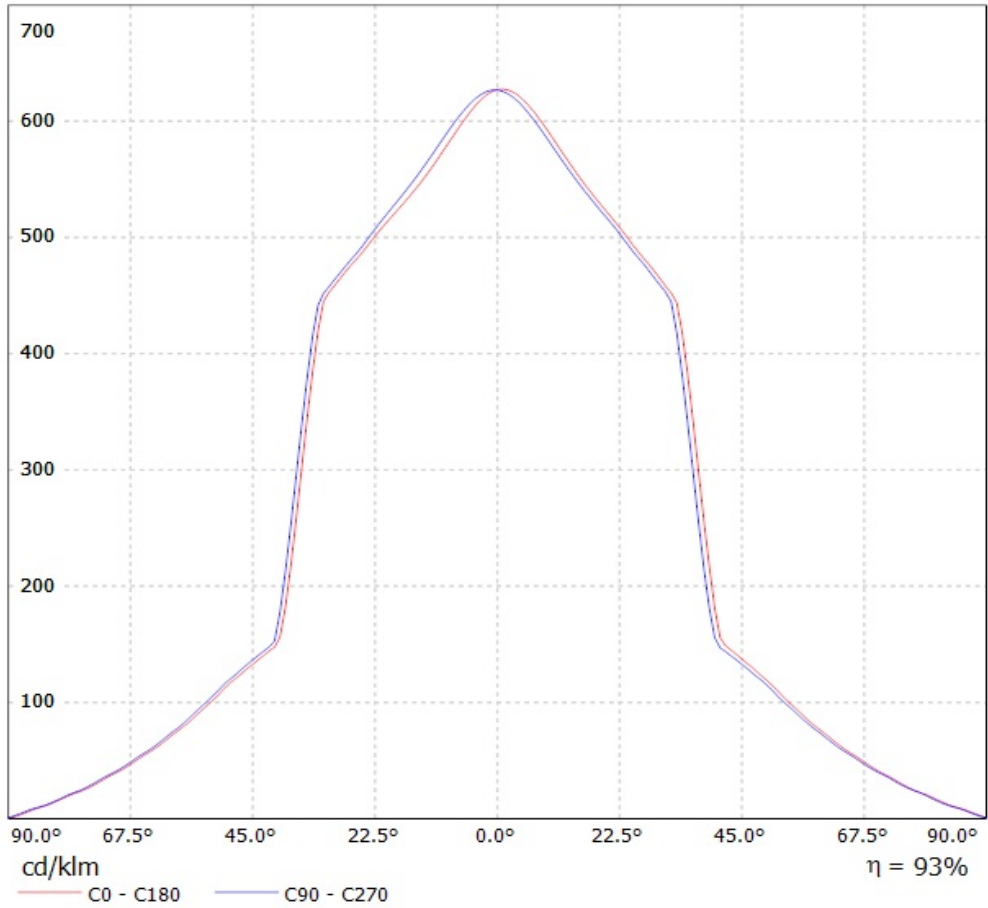
Lamps: 1 x SLE GEN4 LES19_1226.28lm@250mA_P=8.21367W_I=0.2498A



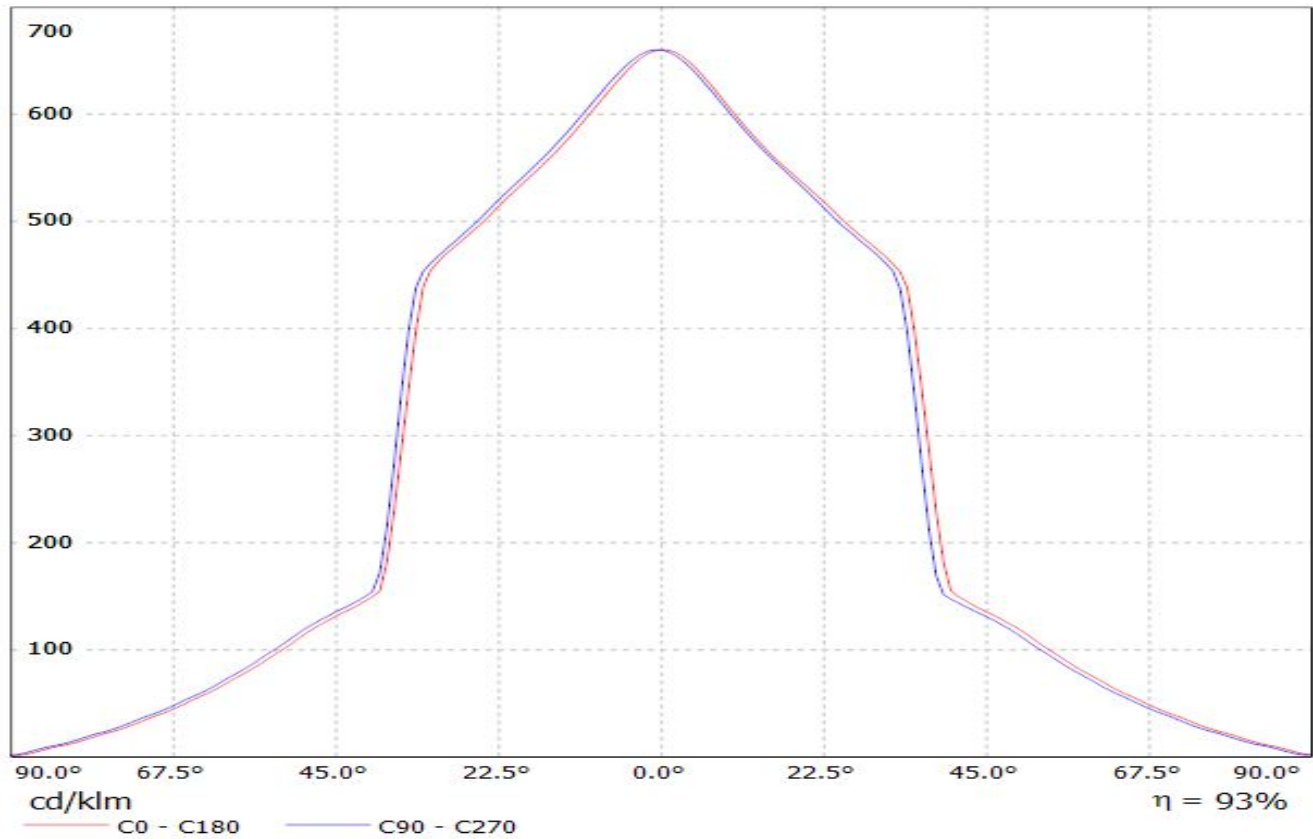
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CXM-22) Eff.92.9%
Lamps: 1 x LUMINUS_CXM-22_1221.8lm@250mA_P=8.00809W_CCT=3000K_I=249.8mA



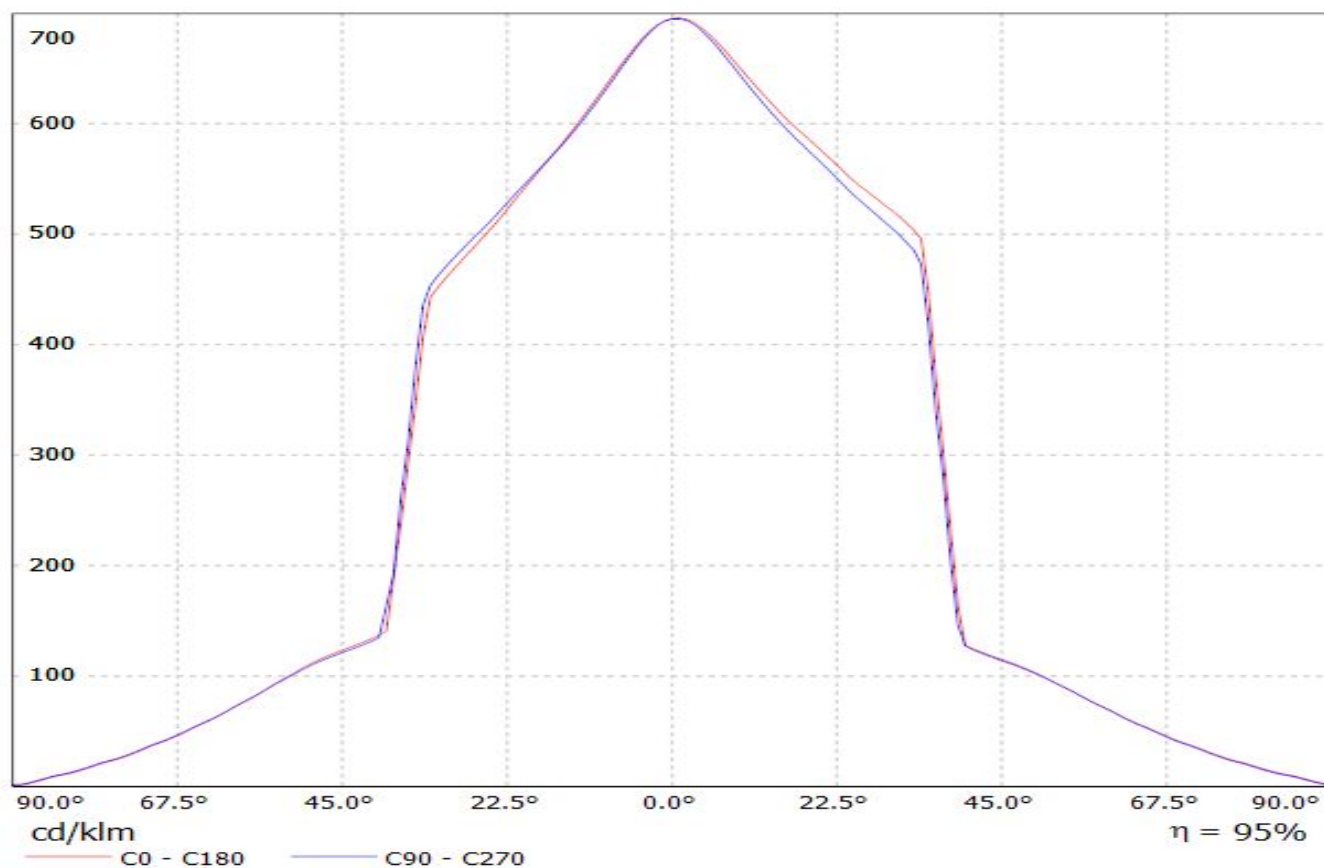
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Luxeon_CoB_1211)_(BJB2030)
Lamps: 1 x Philips_Lumileds_Luxeon_CoB_1211_(LHC1-5780-1211)_(BJB2030)_1331.52lm@250mA_CCT(approx.)=5700K_P=8.03628W_I=0.2499A



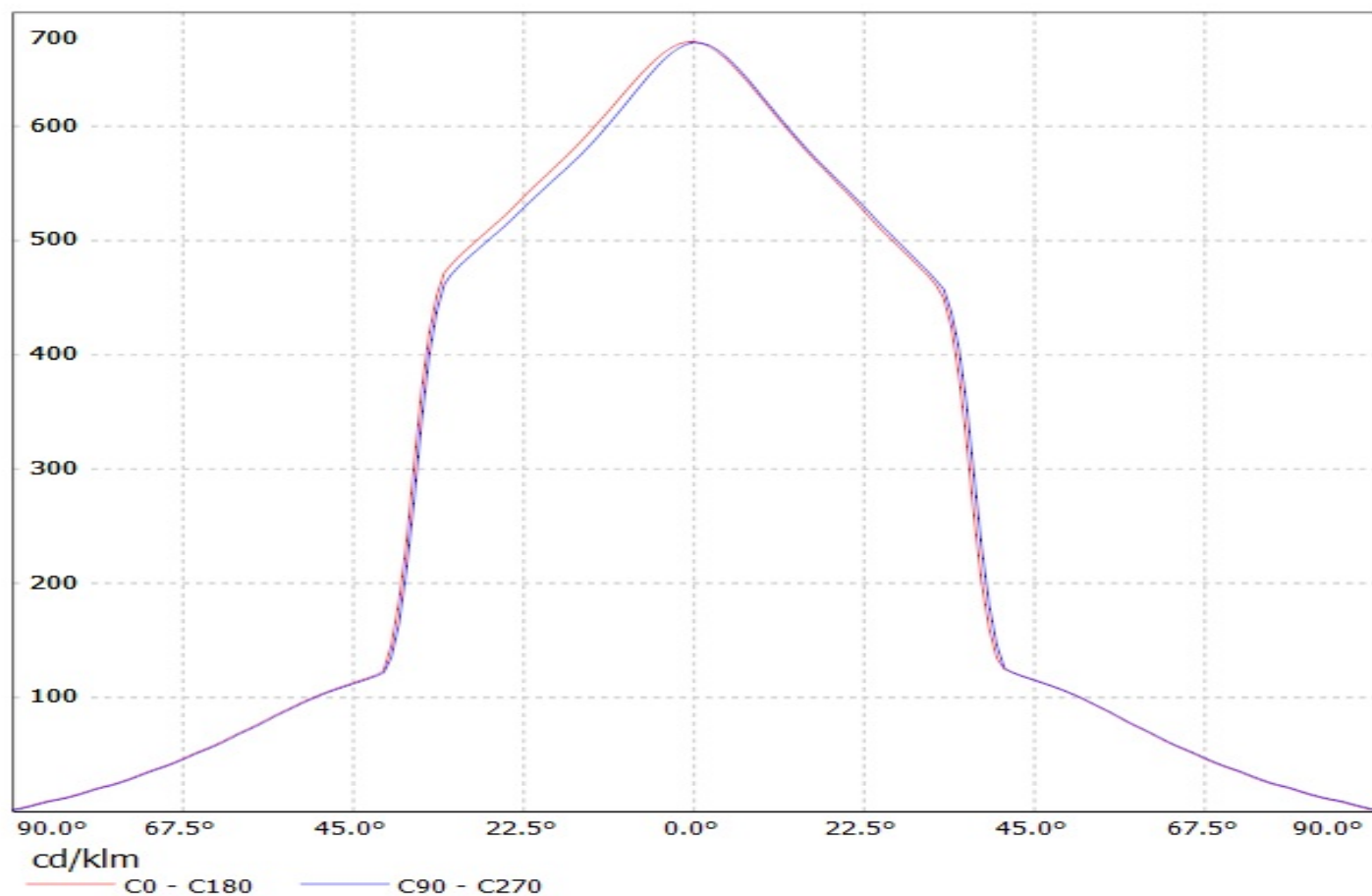
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CLL030)
Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1303M1A2)_1041.7lm@250mA_P=8.45787W_I=249.9mA



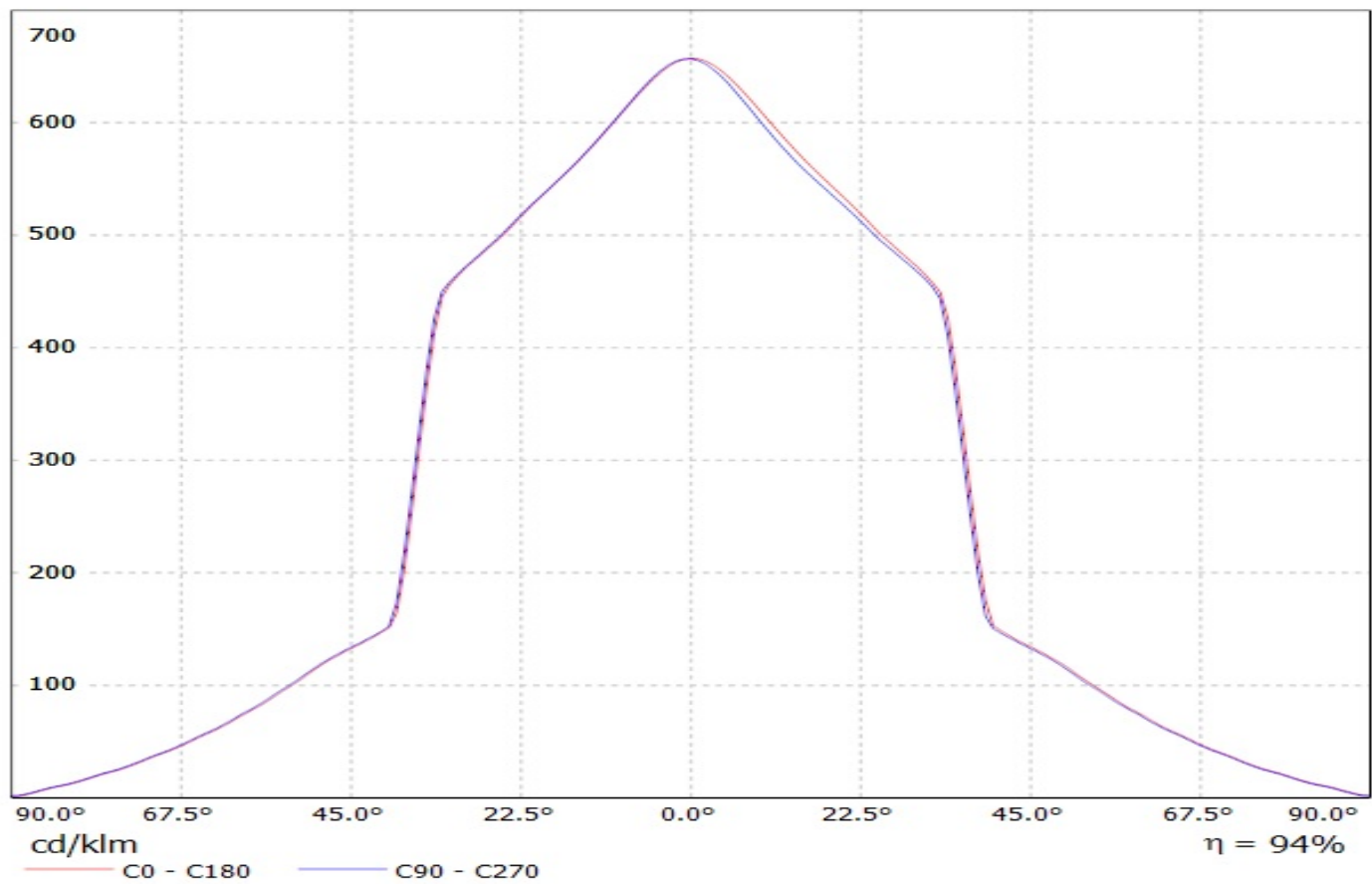
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(K12)
Lamps: 1 x Luxeon_K12_927.122lm@250mA_P=8.20472W_I=249.9mA



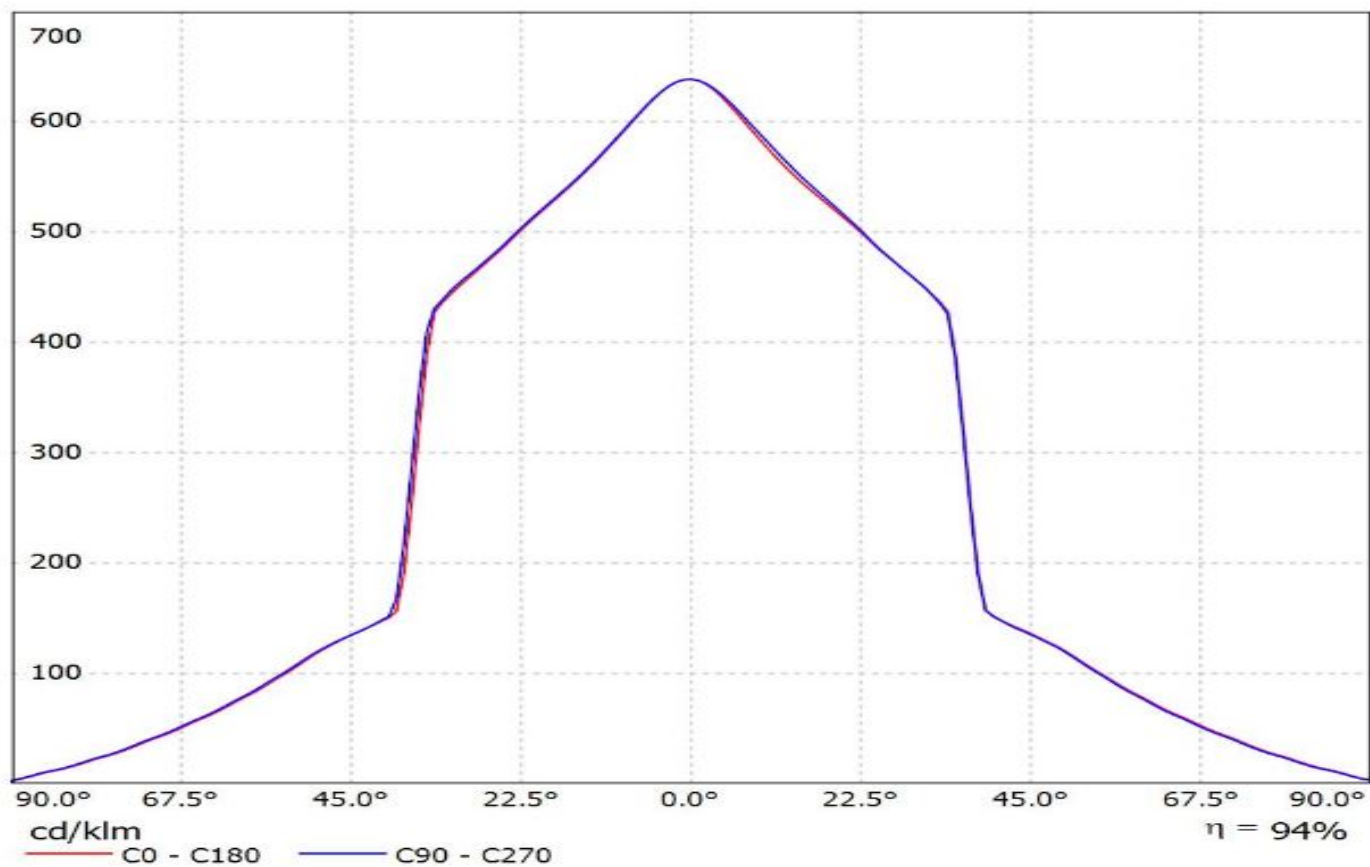
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Luxeon_K16) Eff: 94%
Lamps: 1 x Luxeon_K16+(BJB_47.319.2070)_1221.7lm@250mA_P=10.948W_I=249.8mA



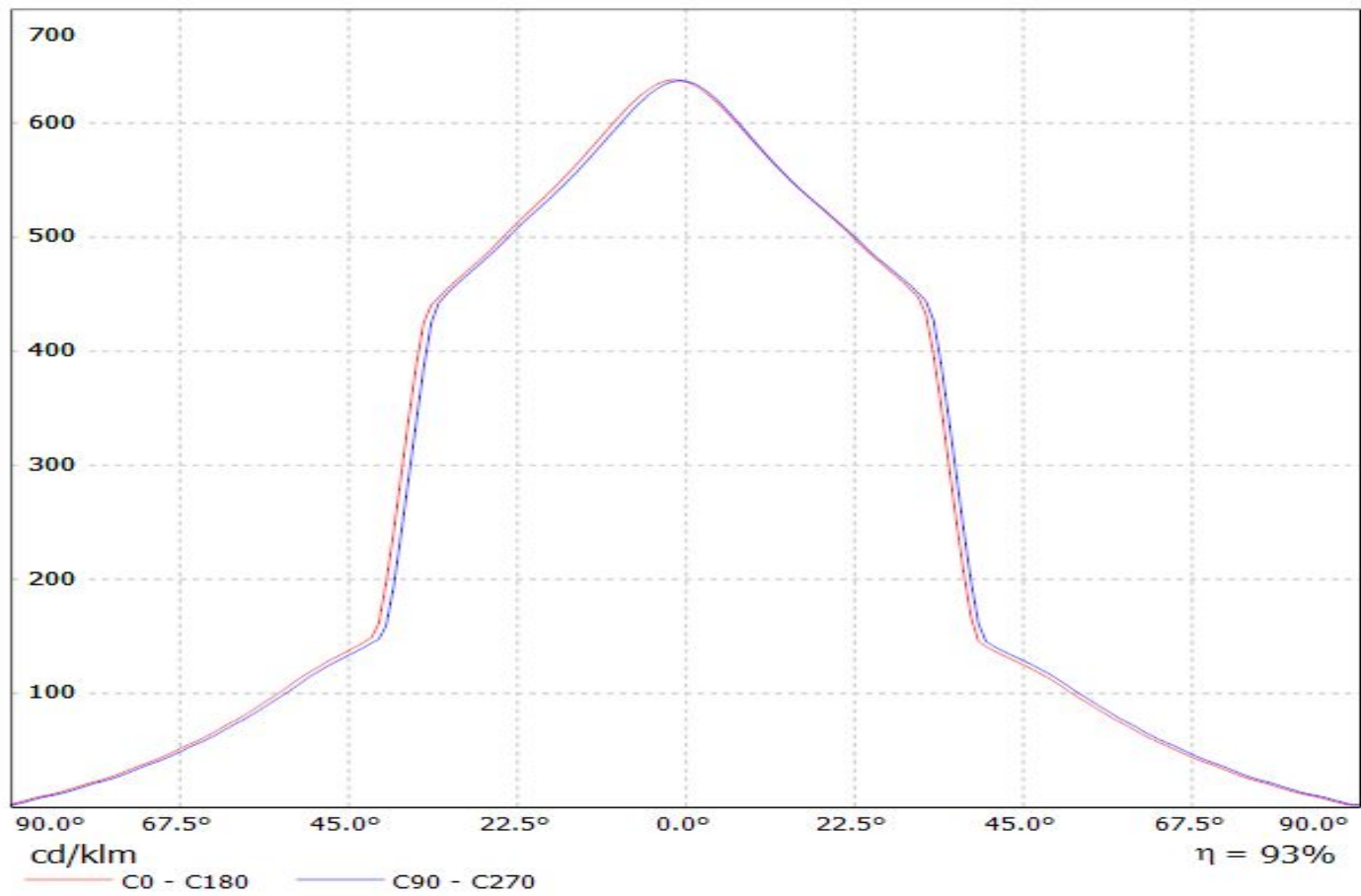
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Mega_Zenigata_GW6DME) Eff: 94%
Lamps: 1 x Sharp_Mega_Zenigata_GW6DME_(6DME30NFC)
_1243.73lm@250mA_P=11.1109W_I=249.8mA



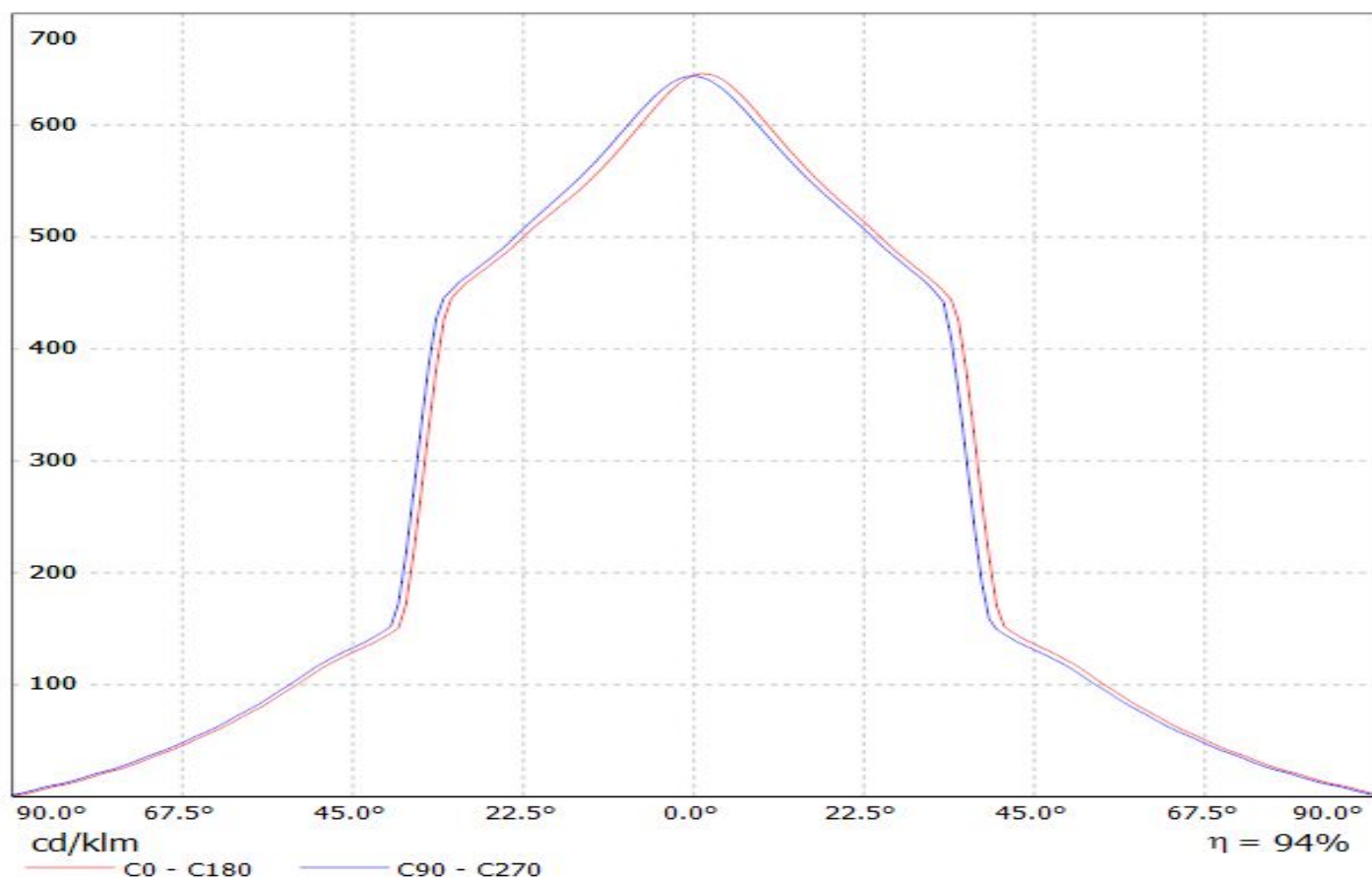
Luminaire: Ledil F13841_ANGELA-XW-B (CITIZEN_CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1320.42lm@250mA_CCT=2700K_P=8.35W_I=0.25A



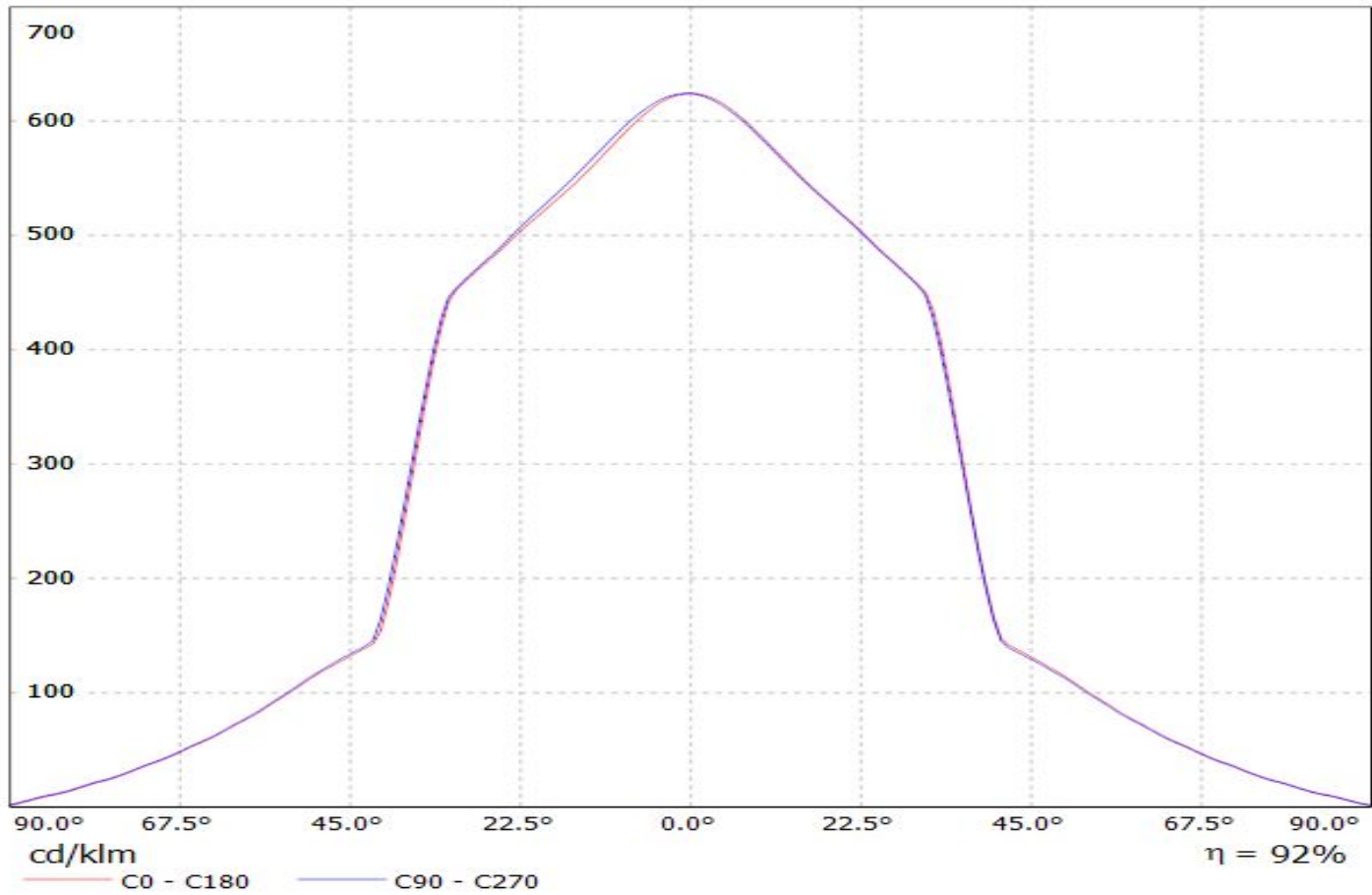
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(S19) Eff.93.0%
Lamps: 1 x Osram_SOLERIQ_S19_1434.85lm@250mA_P=10.5595W_I=249.8mA



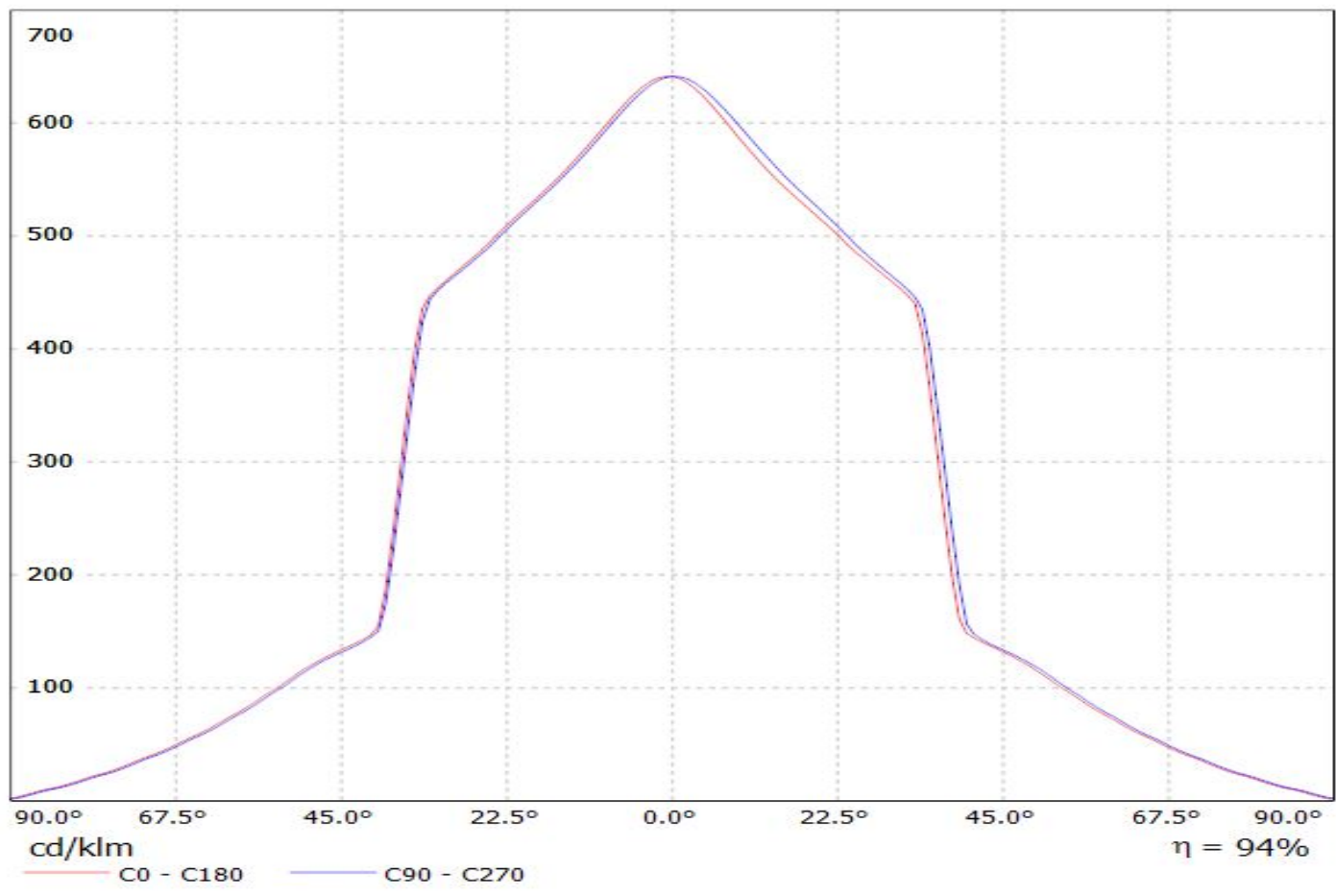
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CXM-14)
Lamps: 1 x LUMINUS_XNOVA_CXM-14_(AC00)
_1049.18lm@250mA_CCT=3126K_P=8.31834W_I=249.8mA



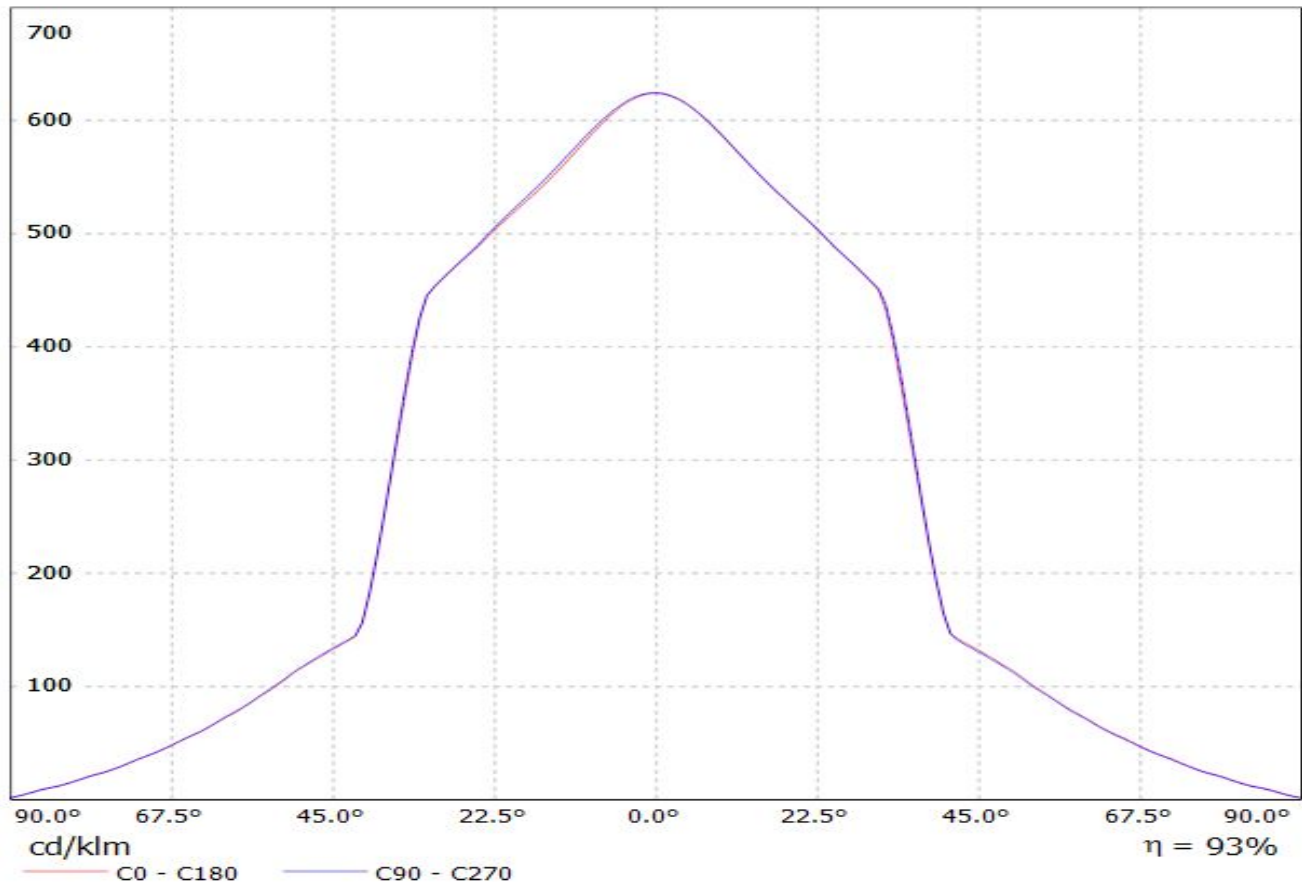
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(COB_40W)
Lamps: 1 x LG_COB_40W_1163.31lm@250mA_CCT=3000K_P=8.04906W_I=249.8mA



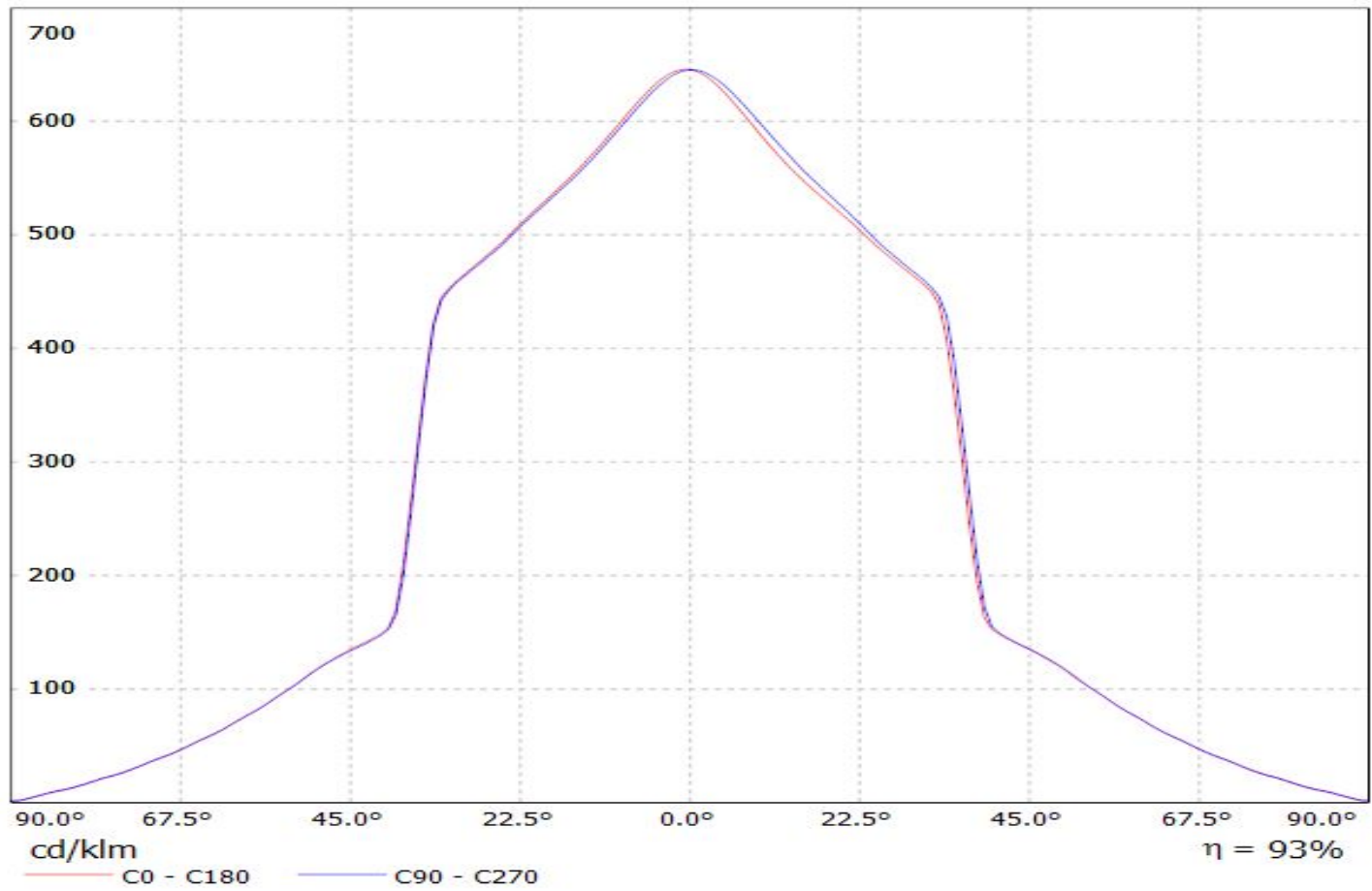
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CLU034)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



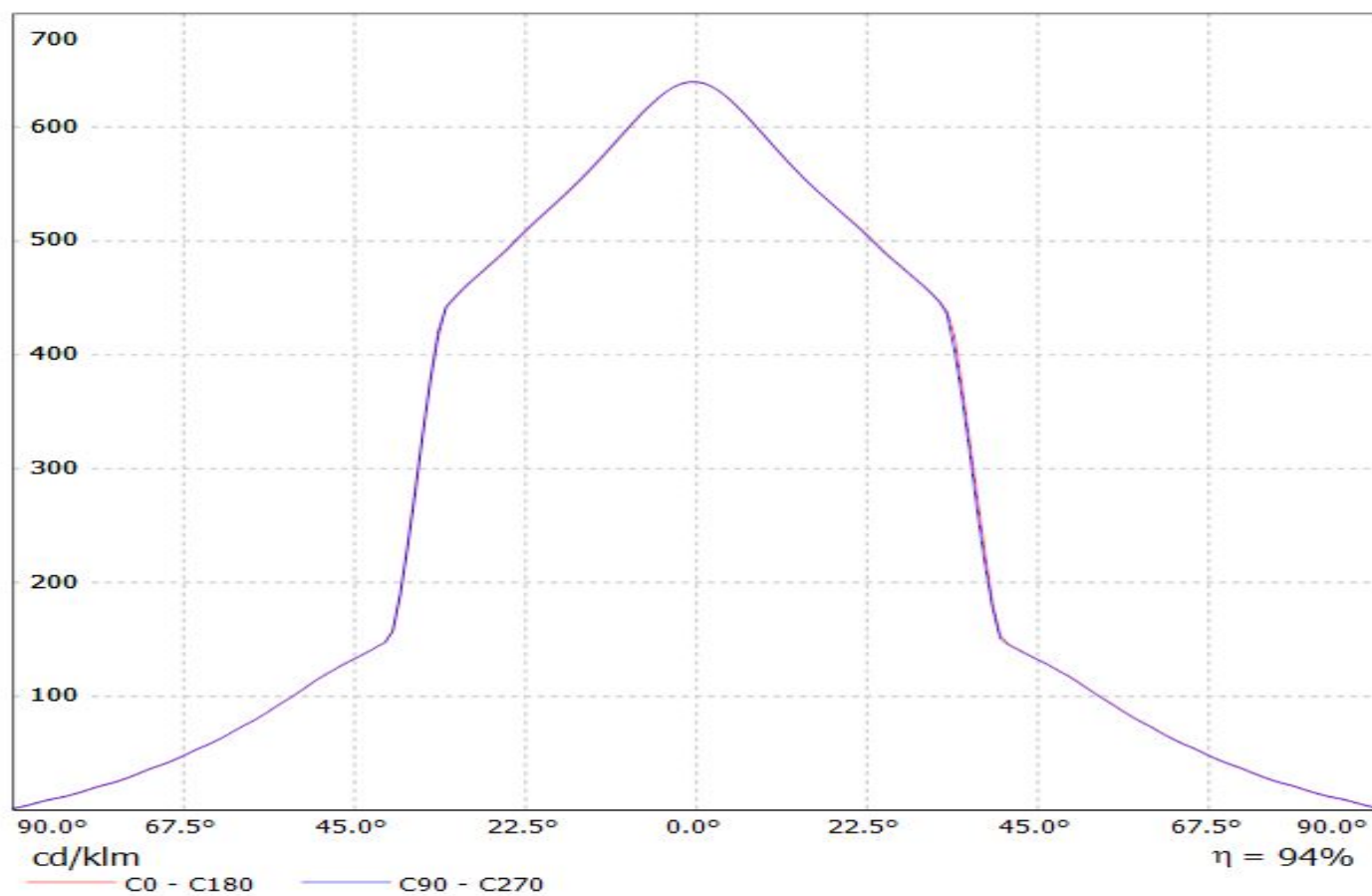
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CLU044)
Lamps: 1 x Citizen_CLU044_(CLU044-1212B8-303M1A2)_1300.9lm@250mA_P=8.14849W_I=249.9mA



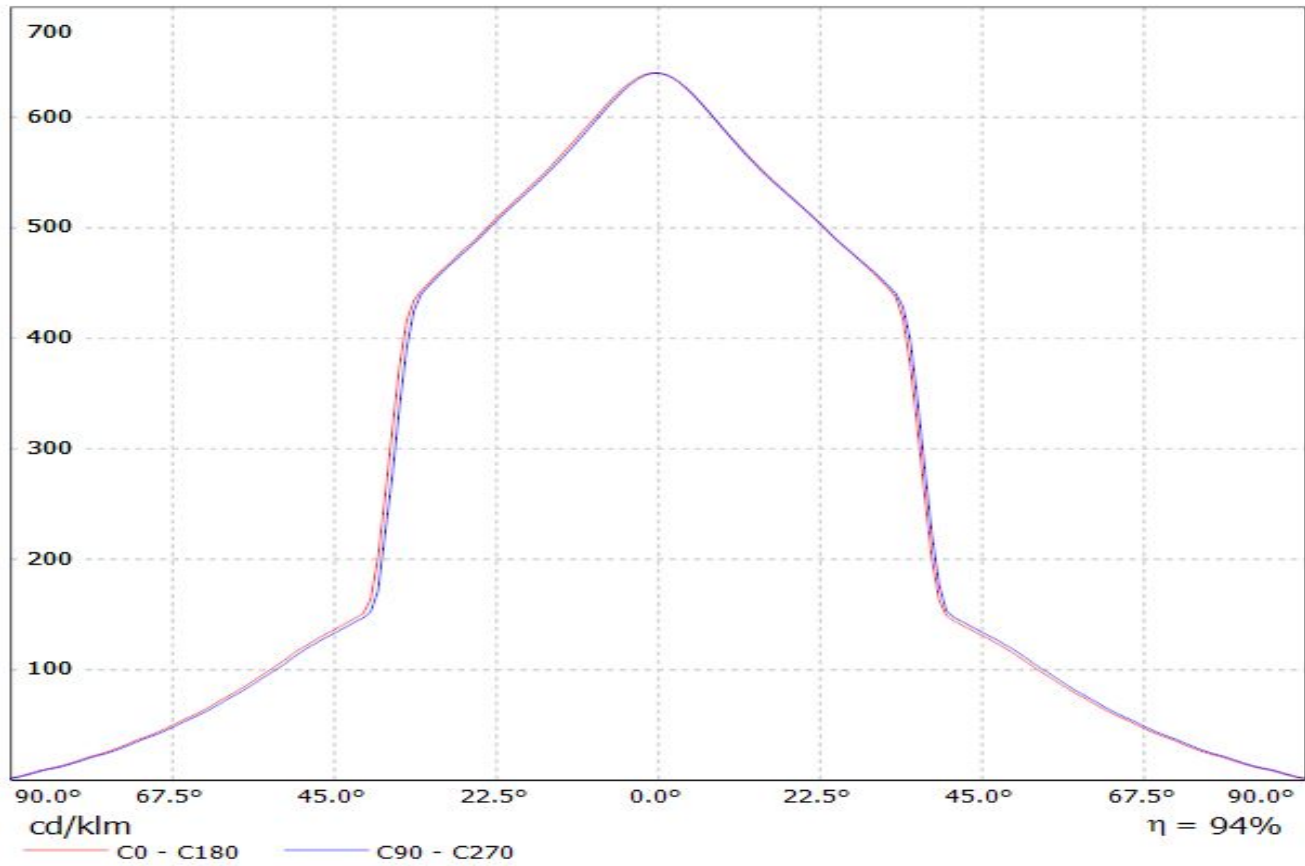
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(ZC12)
Lamps: 1 x SEOUL_ZC12_(SDW82F1C)_1240.73lm@250mA_P=8.68405W_I=249.8mA



Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Soleriq S19) Eff.93.8%
Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)
_1445.44lm@250mA_CCT=3000K_P=10.558W_I=249.8mA

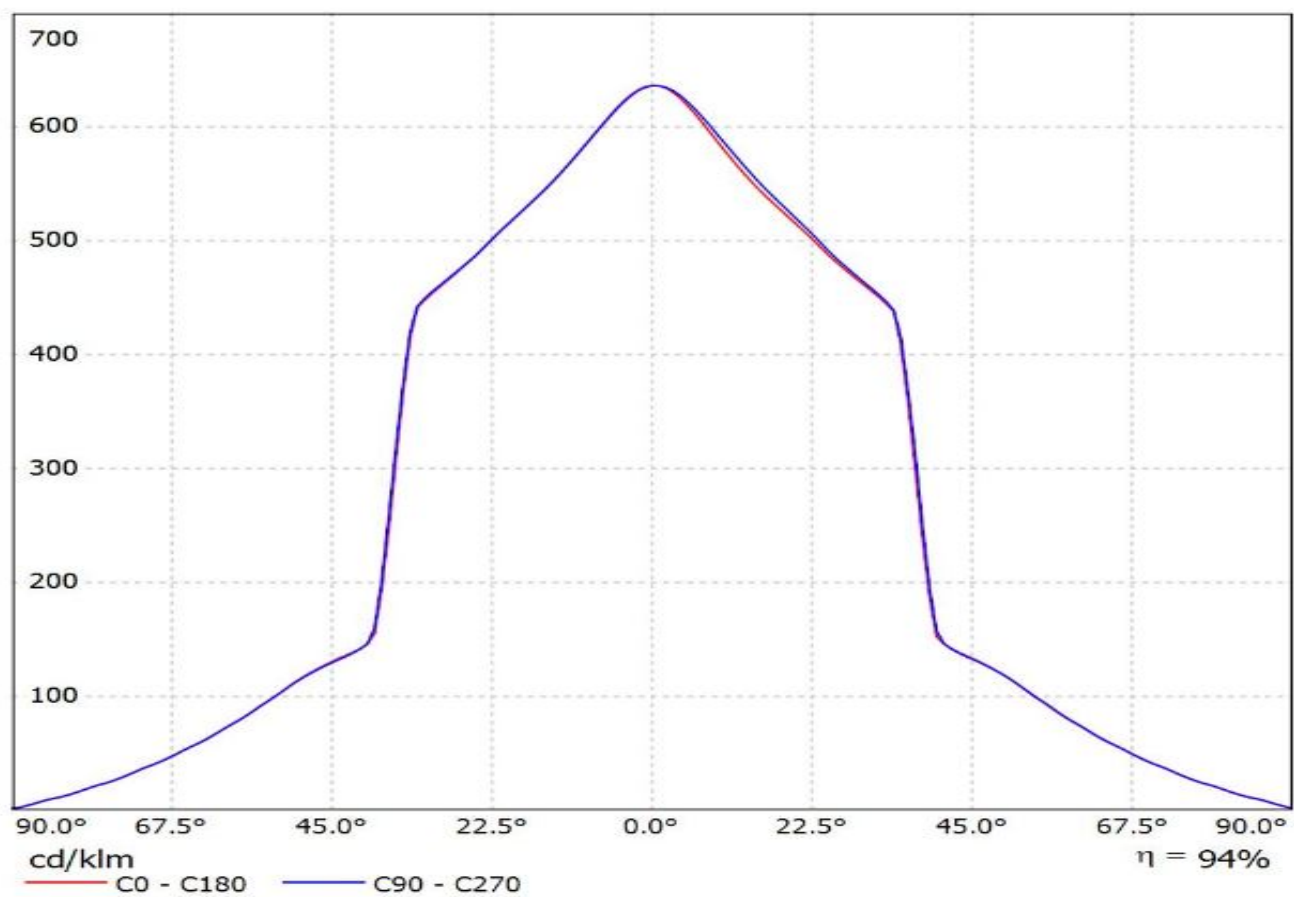


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(BXRA_ES)
Lamps: 1 x BXRA_ES_(W1203-102820-3110)_290.027lm@250mA_P=4.09661W_I=249.9mA

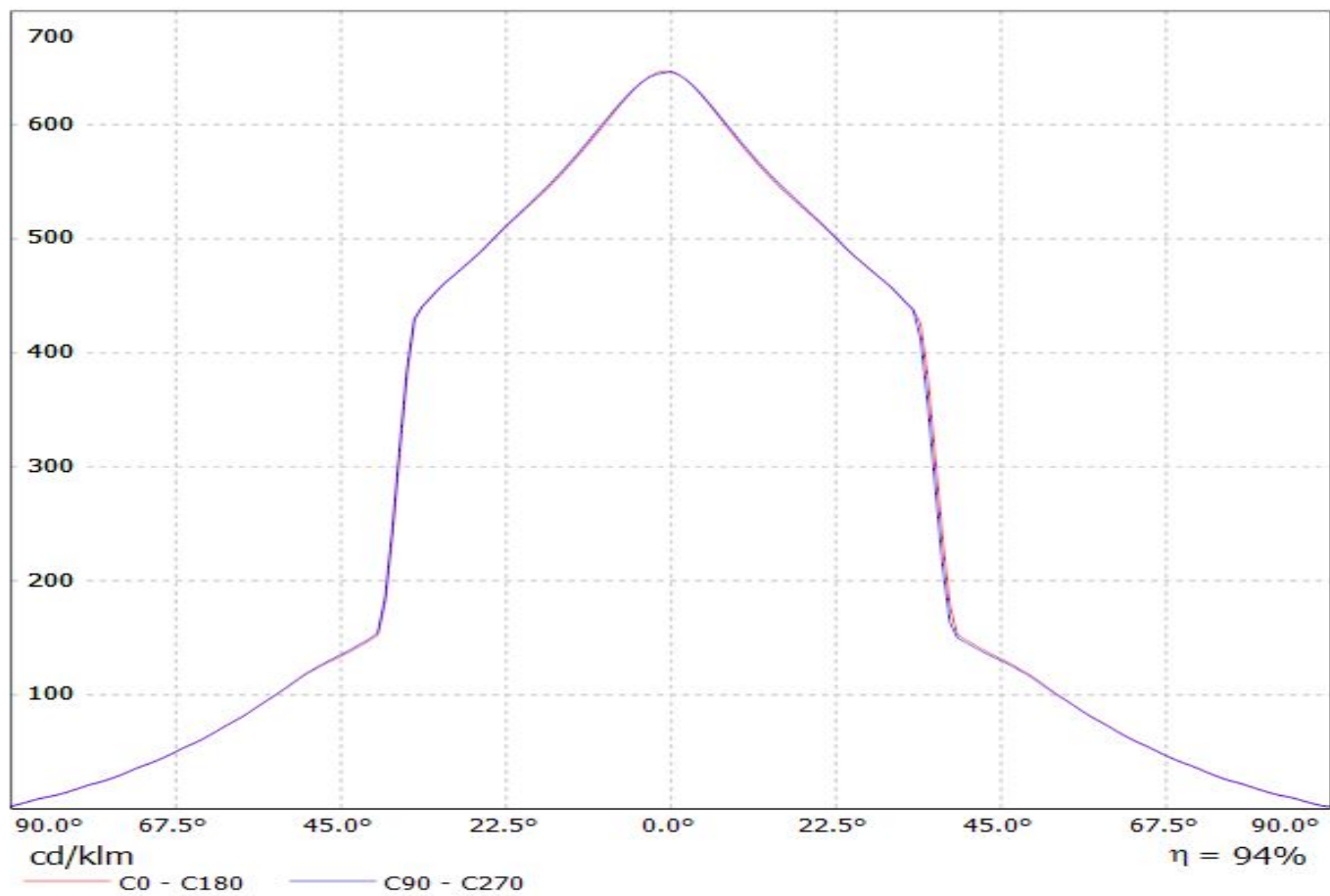


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(SOLERIQ_P13)

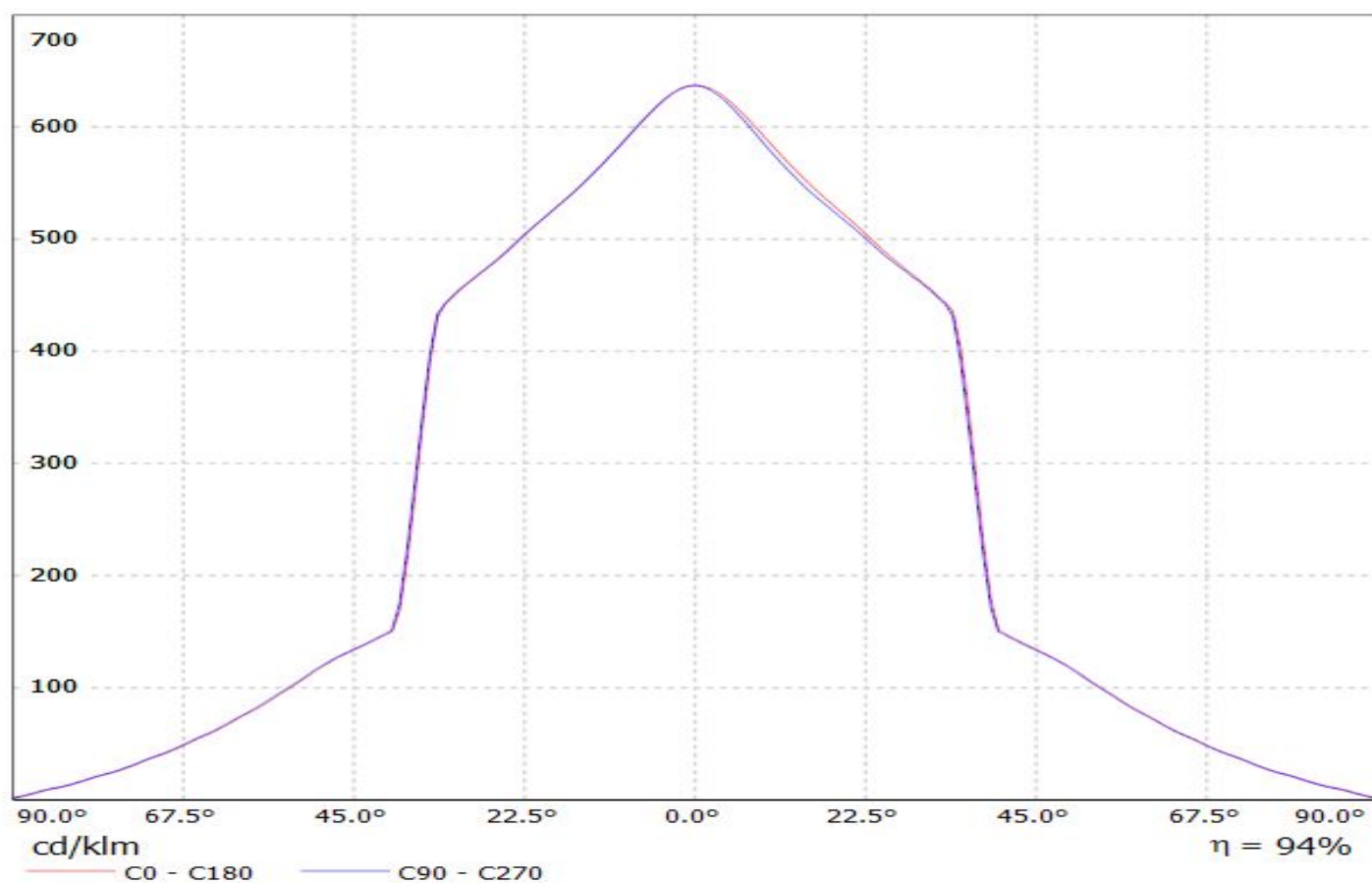
Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_1053.65lm@250mA_CCT=3000K_P=8.82044W_I=249.8mA



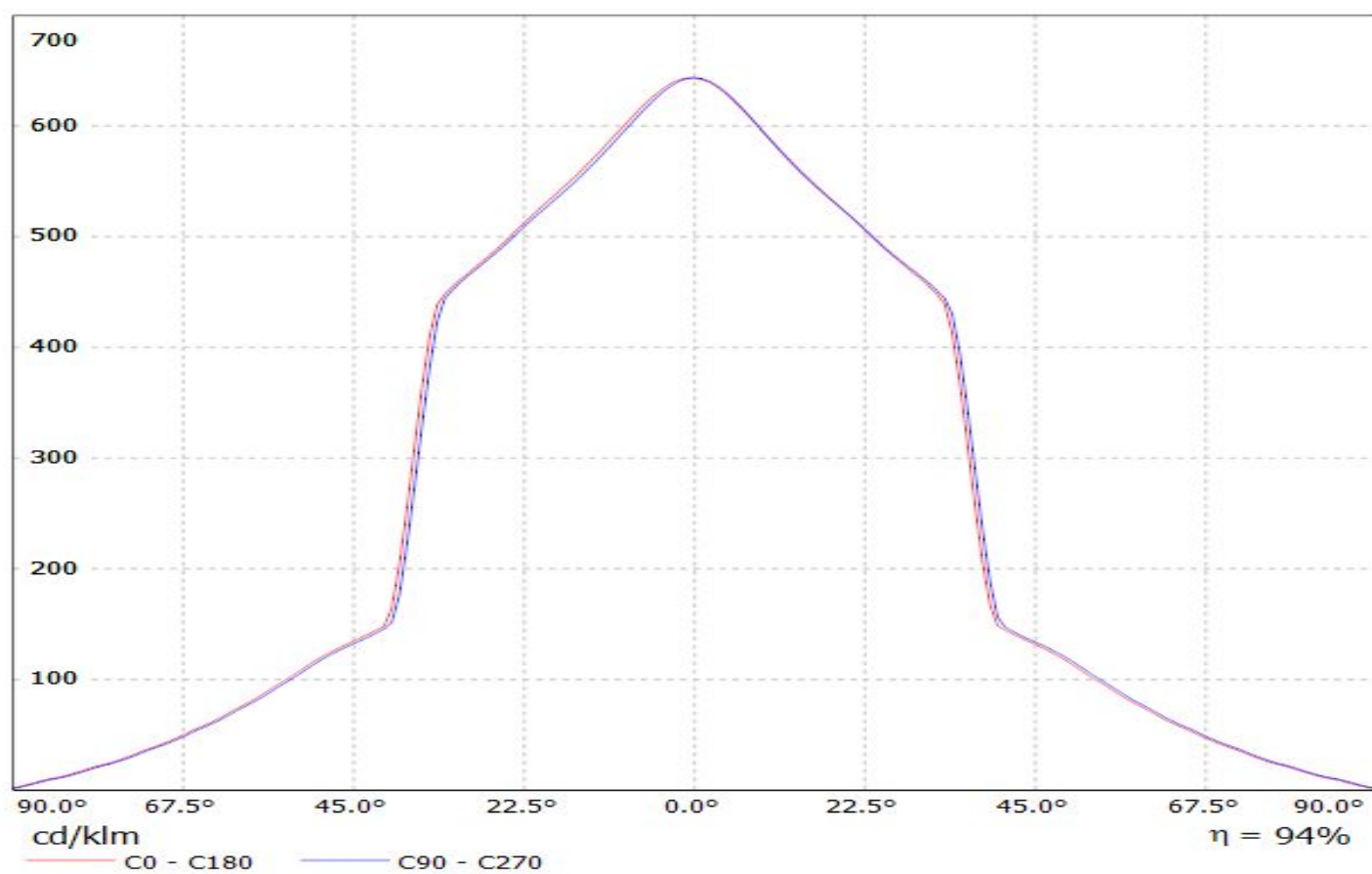
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CITIZEN_CLU720)
Lamps: 1 x CITIZEN_CLU720_(BJB: 47.319.2020)_1214.68lm@250mA_CCT=2700K_P=8.31842W_I=0.25A



Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Luxeon_CoB_1205)
Lamps: 1 x LUXEON_COB_1205_(LHC1-3080-1205)
_1115lm@250mA_CCT=3000K_P=11.183W_I=249.8mA

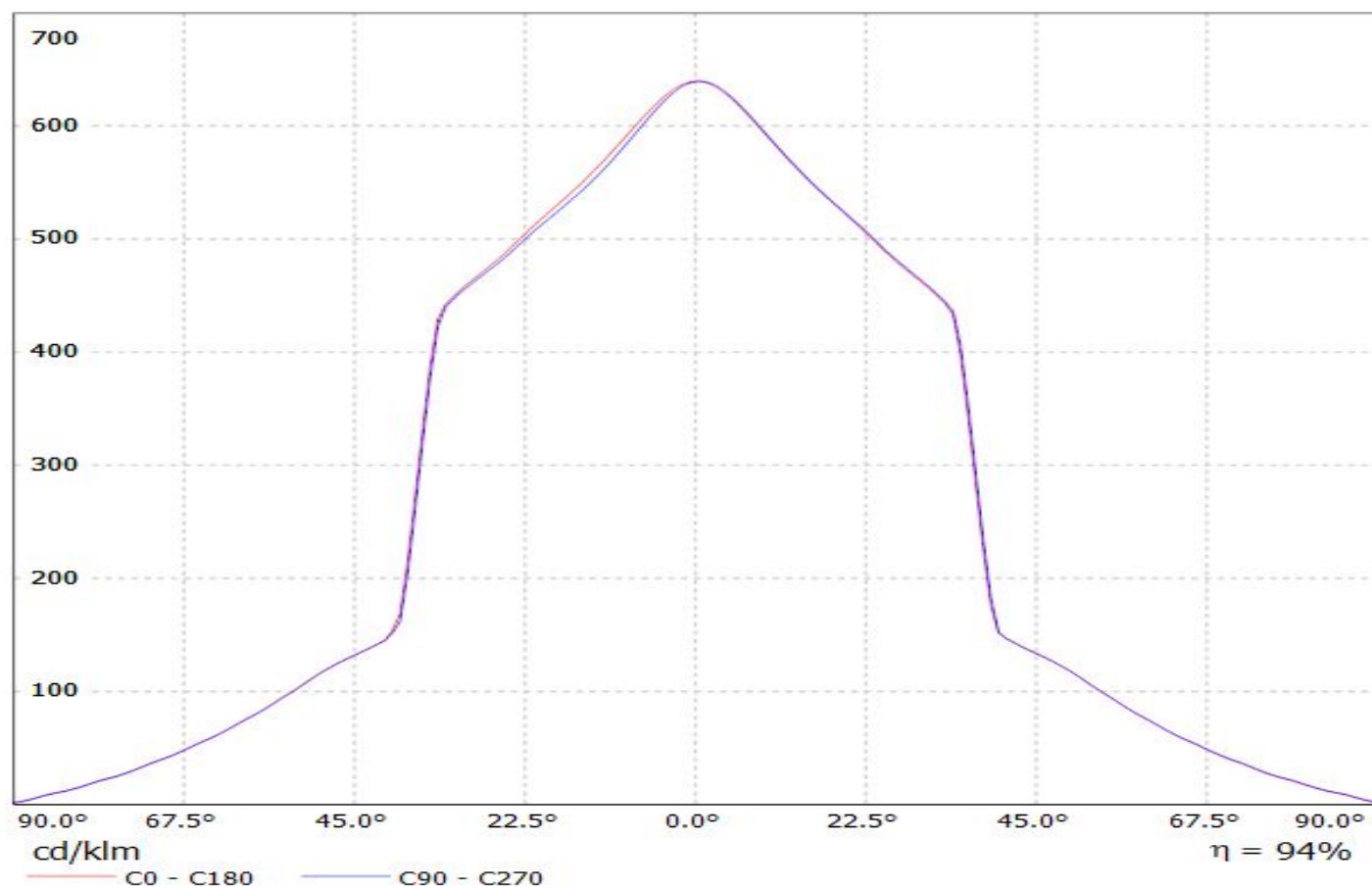


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(MegaZenigata_GW6)
Lamps: 1 x Sharp_MegaZenigata_GW6_(GW6DME30NFC)
_1266.19lm@250mA_CCT=3038K_P=11.2151W_I=250.6mA

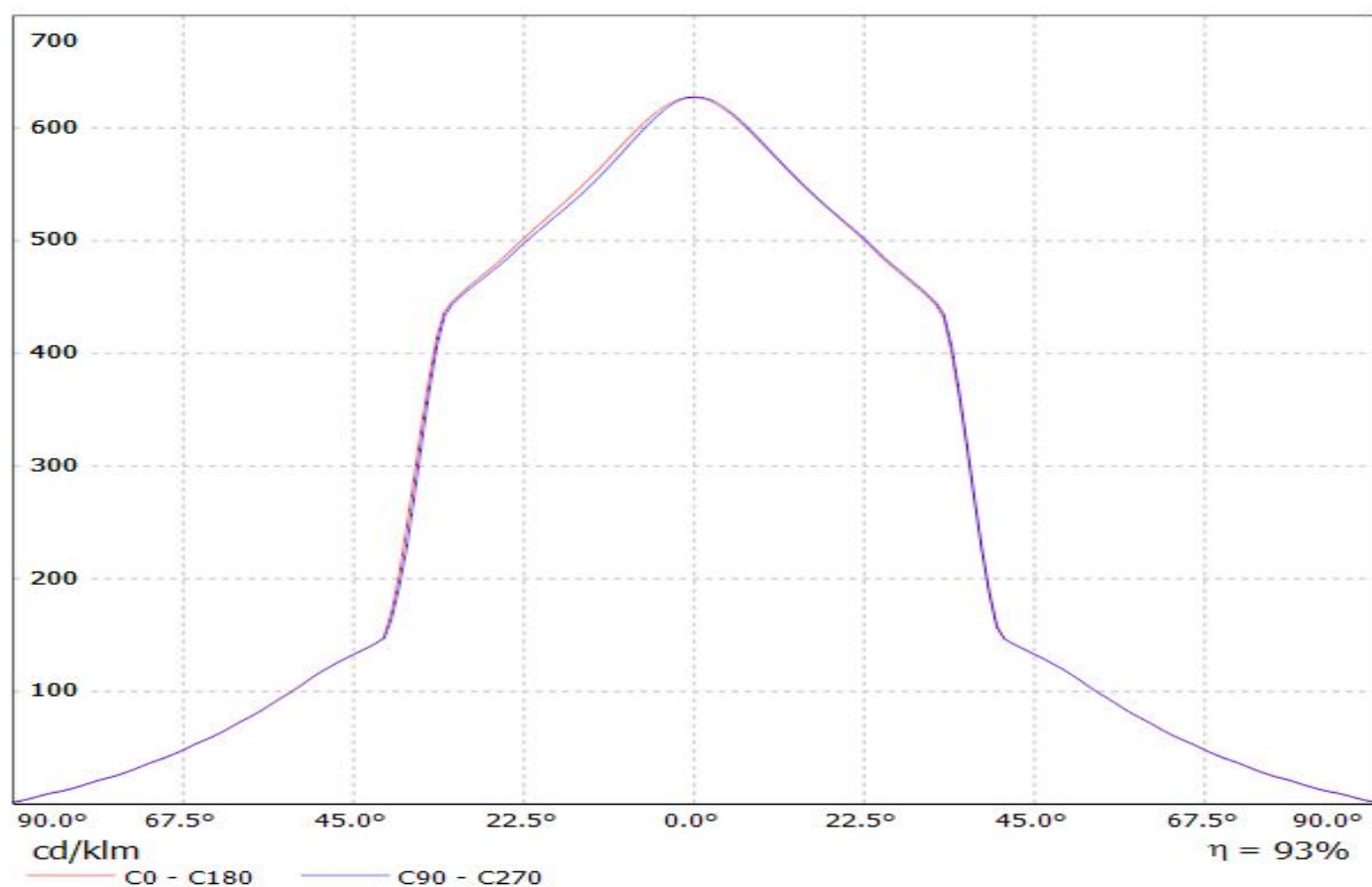


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(LG_COB_10W)

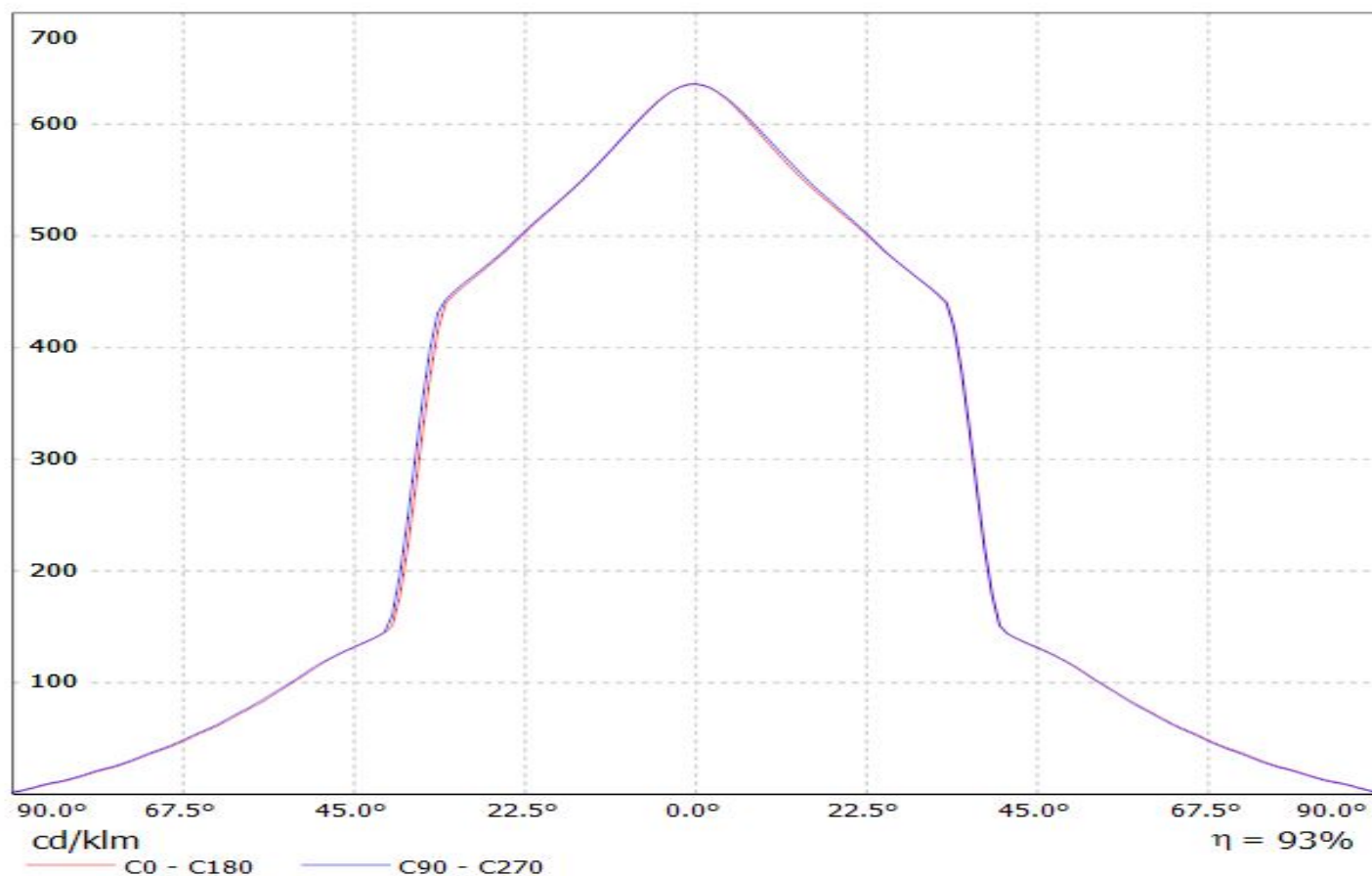
Lamps: 1 x LG_COB_10W_(LEMWM18580LG00)_917.757lm@250mA_P=9.31304W_I=249.8mA



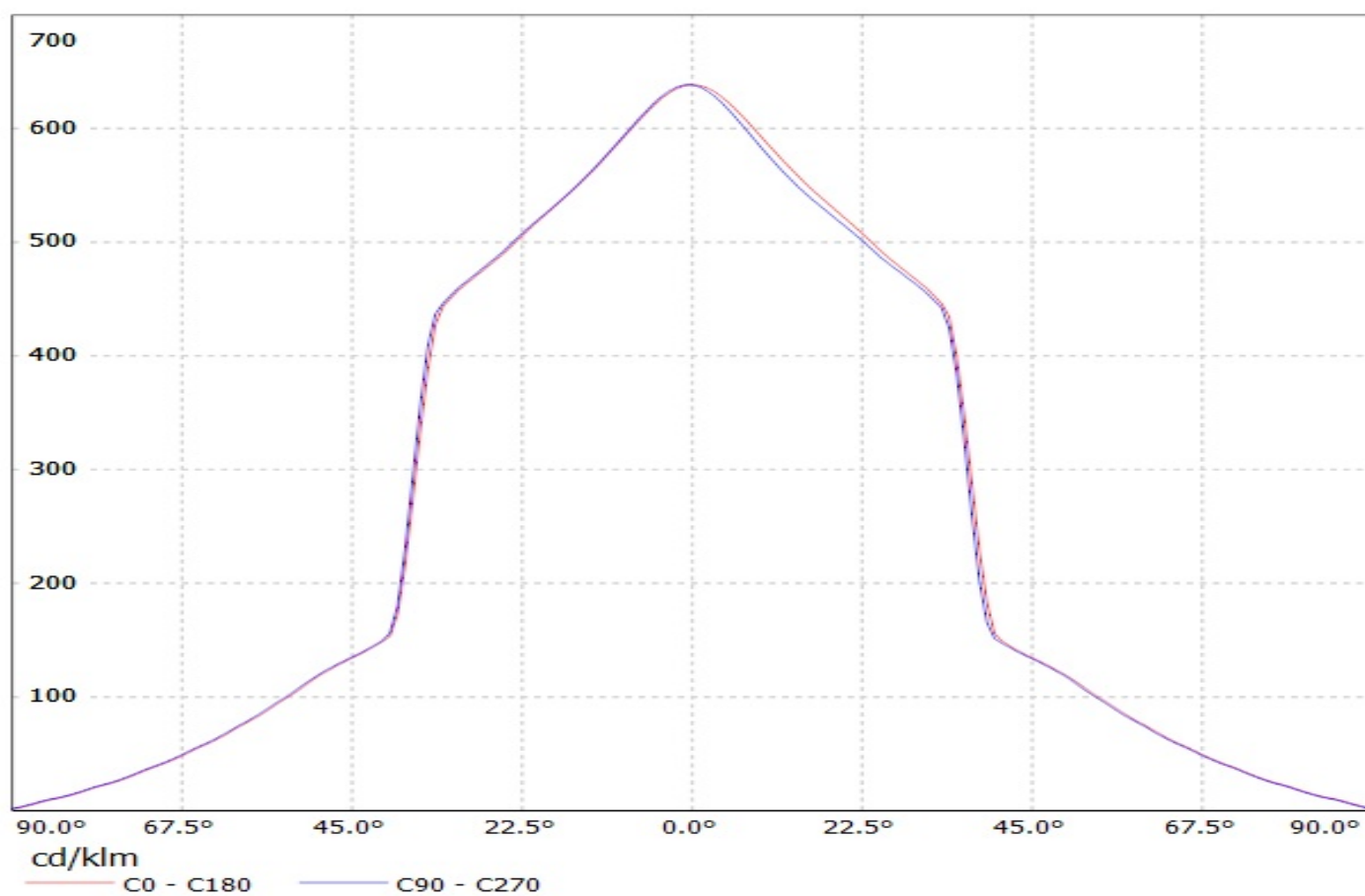
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CXA2590)
Lamps: 1 x CREE_CXA2590_(CXA2590-30F-Z4-RPH-00001)
_837.275lm@100mA_CCT=3000K_P=6.36316W_I=100.1mA



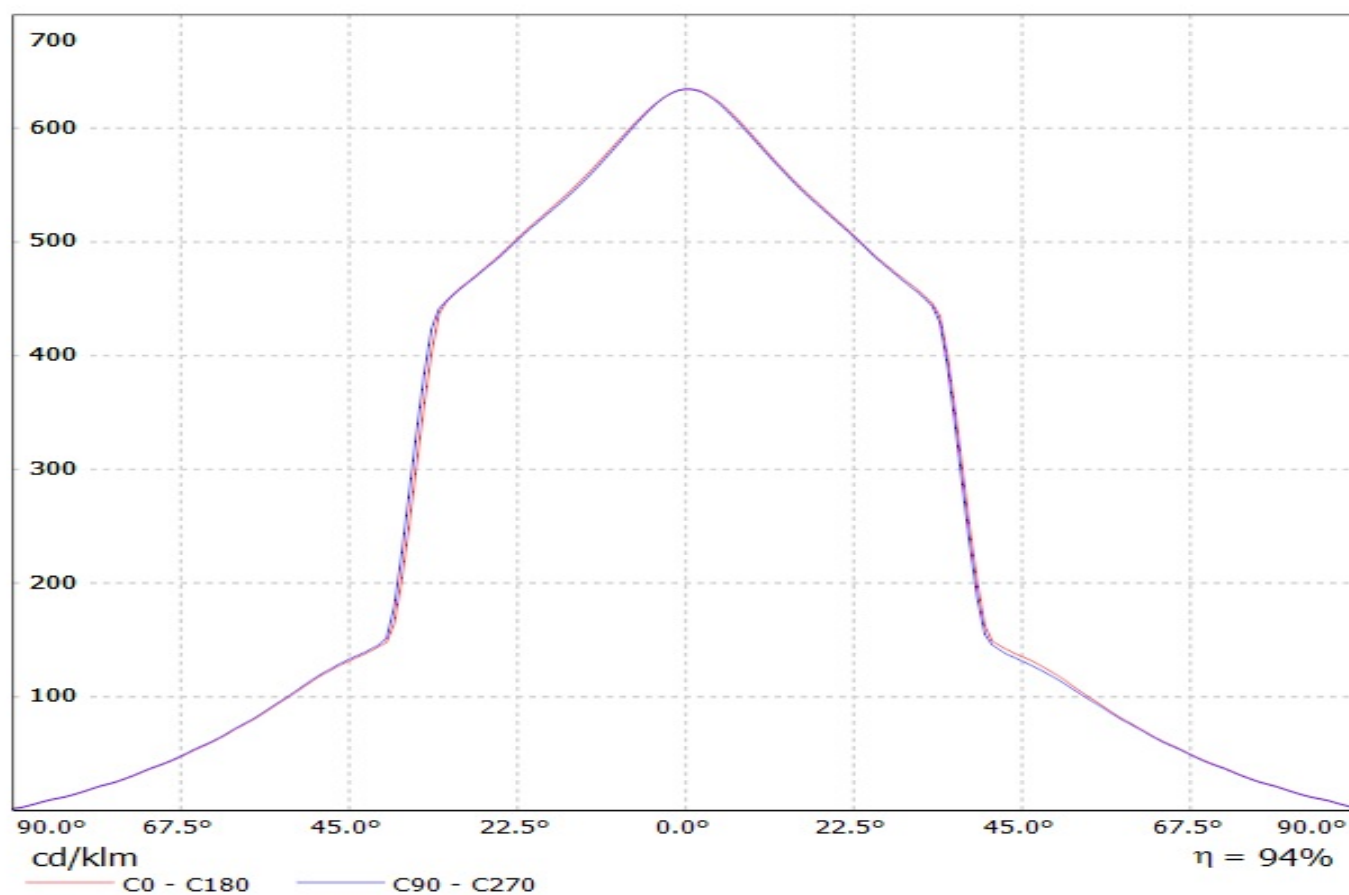
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(STARK_SLE_G3_LES17)
Lamps: 1 x TRIDONIC_STARK_SLE_G3_LES17_(STARK-SLE-PURE_G3-17-2000-840-CLA)
_1030.26lm@250mA_CCT=2000K_P=8.34707W_I=249.8mA



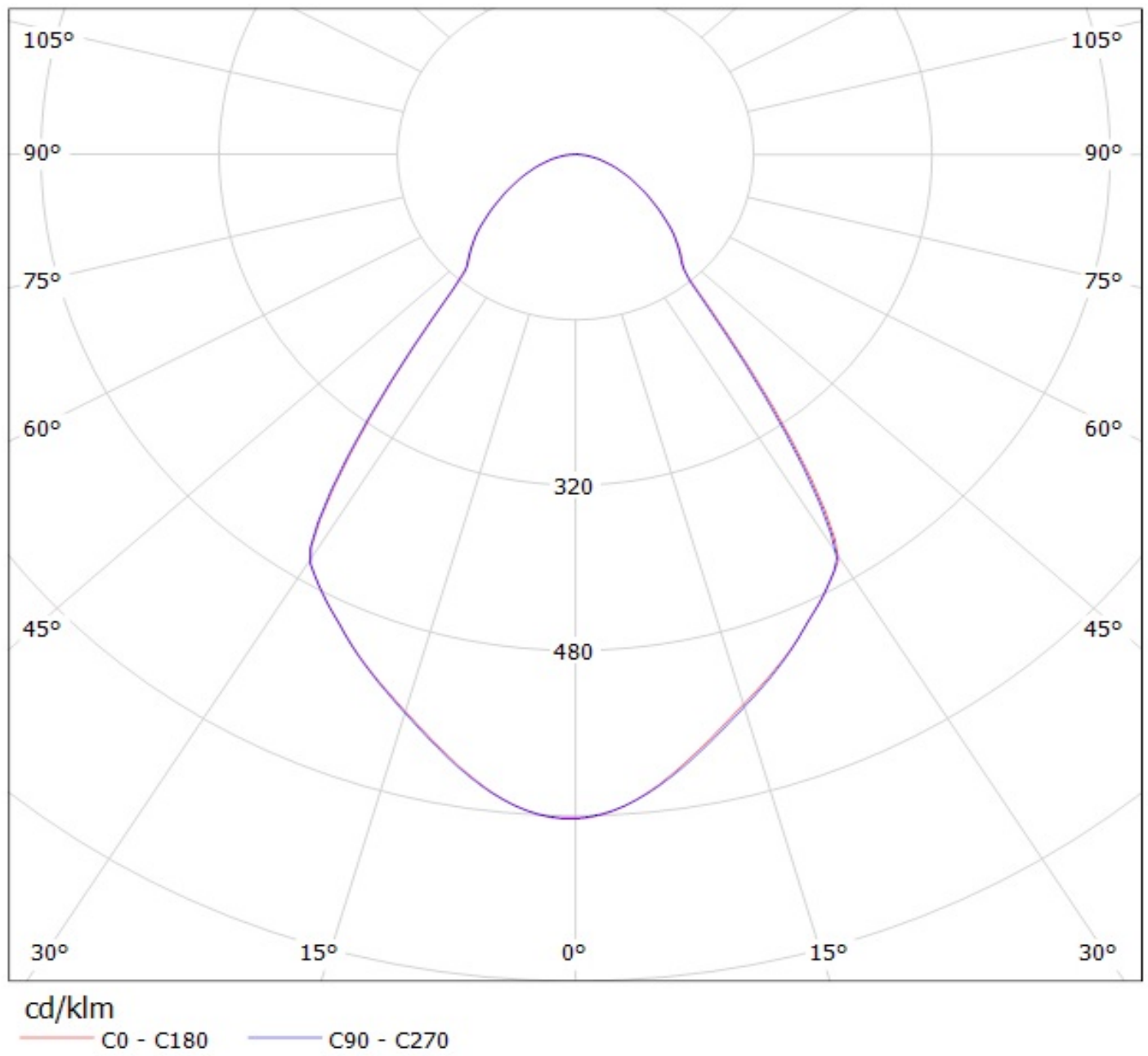
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CoB_10W) Eff. 94%
Lamps: 1 x LG_CoB_10W_1065.04lm@250mA_P=9.11245W_I=249.8mA



Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Luxeon_CoB_1208)
Lamps: 1 x Luxeon_CoB_1208_1045.92lm@250mA_P=8.25314W_I=249.8mA

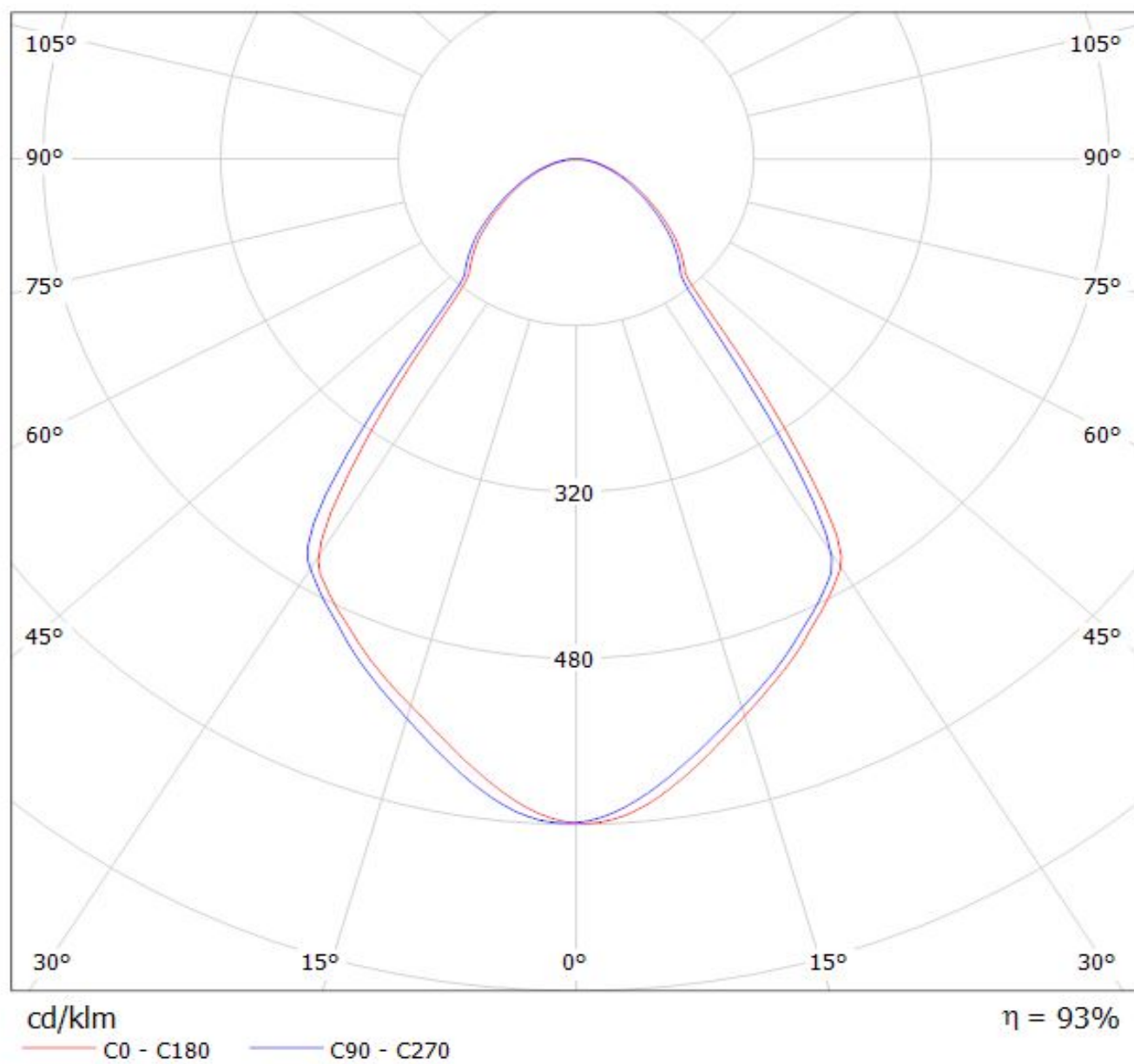


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CLL042) Eff: 93%
Lamps: 1 x Citizen_CLL042_(CLL042-1218A5-303H3-D2)_941.89lm@250mA_P=8.05555W_I=0.2498A



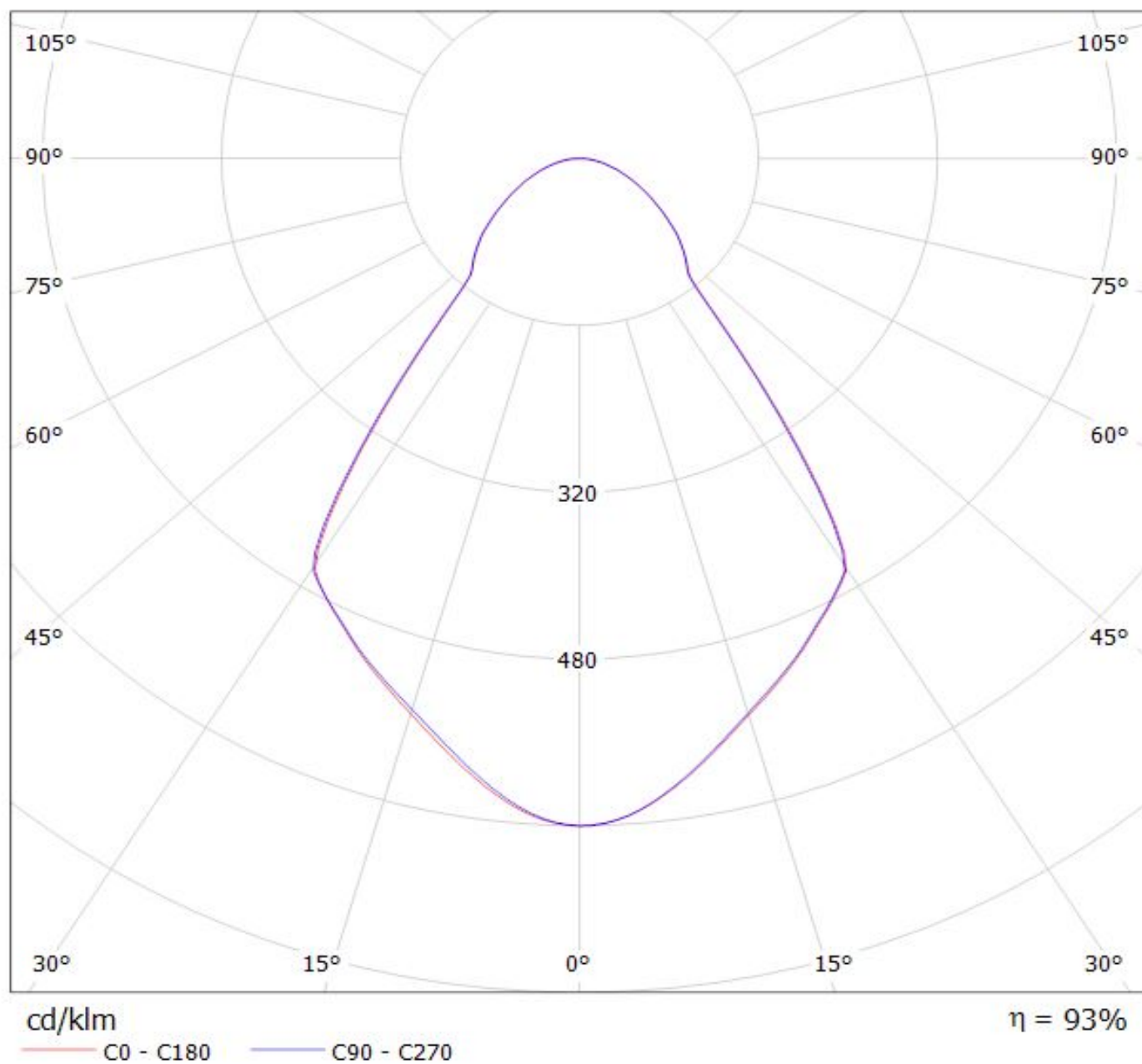
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(SOLERIQ_E30)

Lamps: 1 x Osram_SOLERIQ_E30_1278.1lm@250mA_P=10.0015W_I=249.8mA

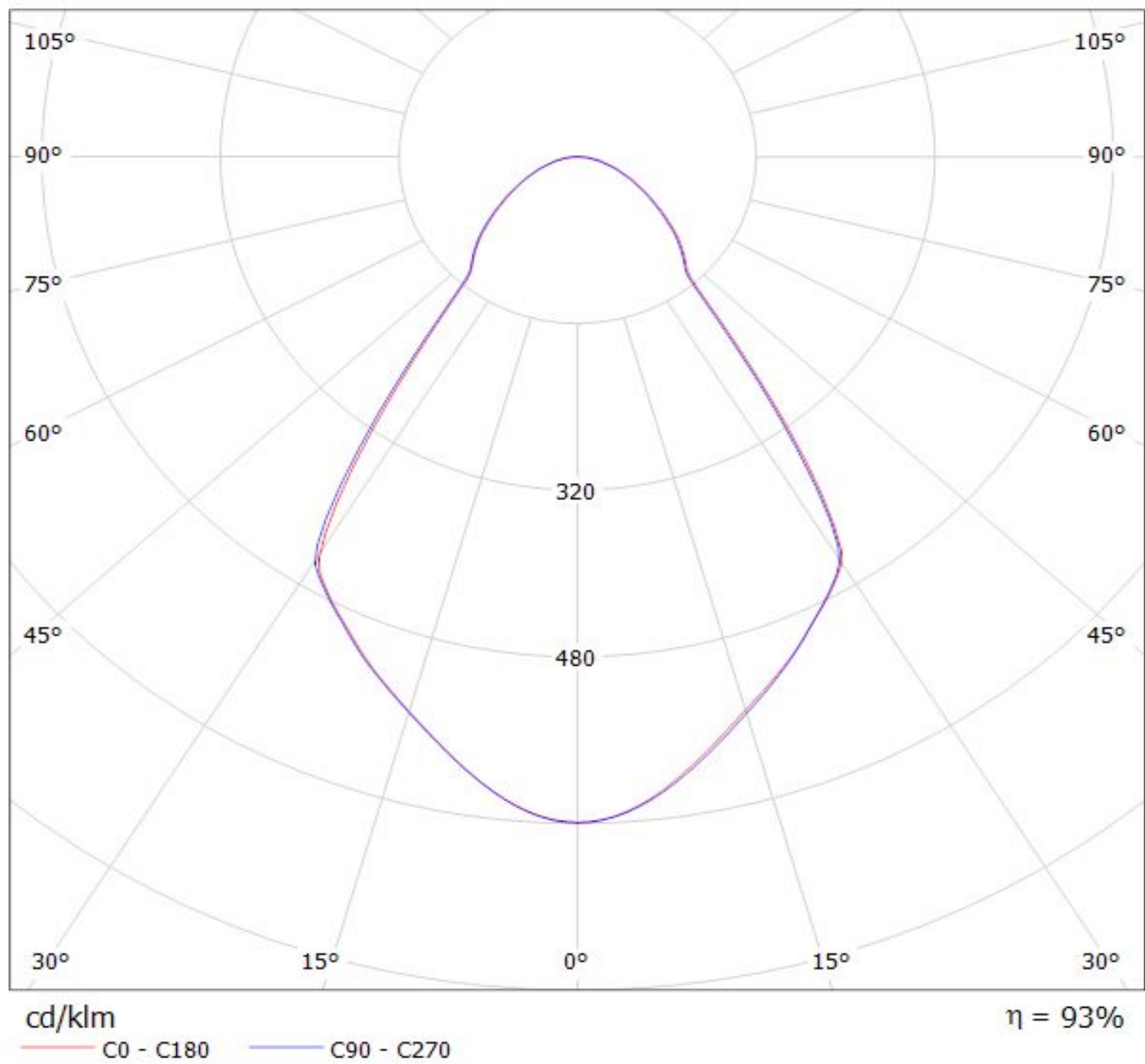


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(SLE G4 LES23)

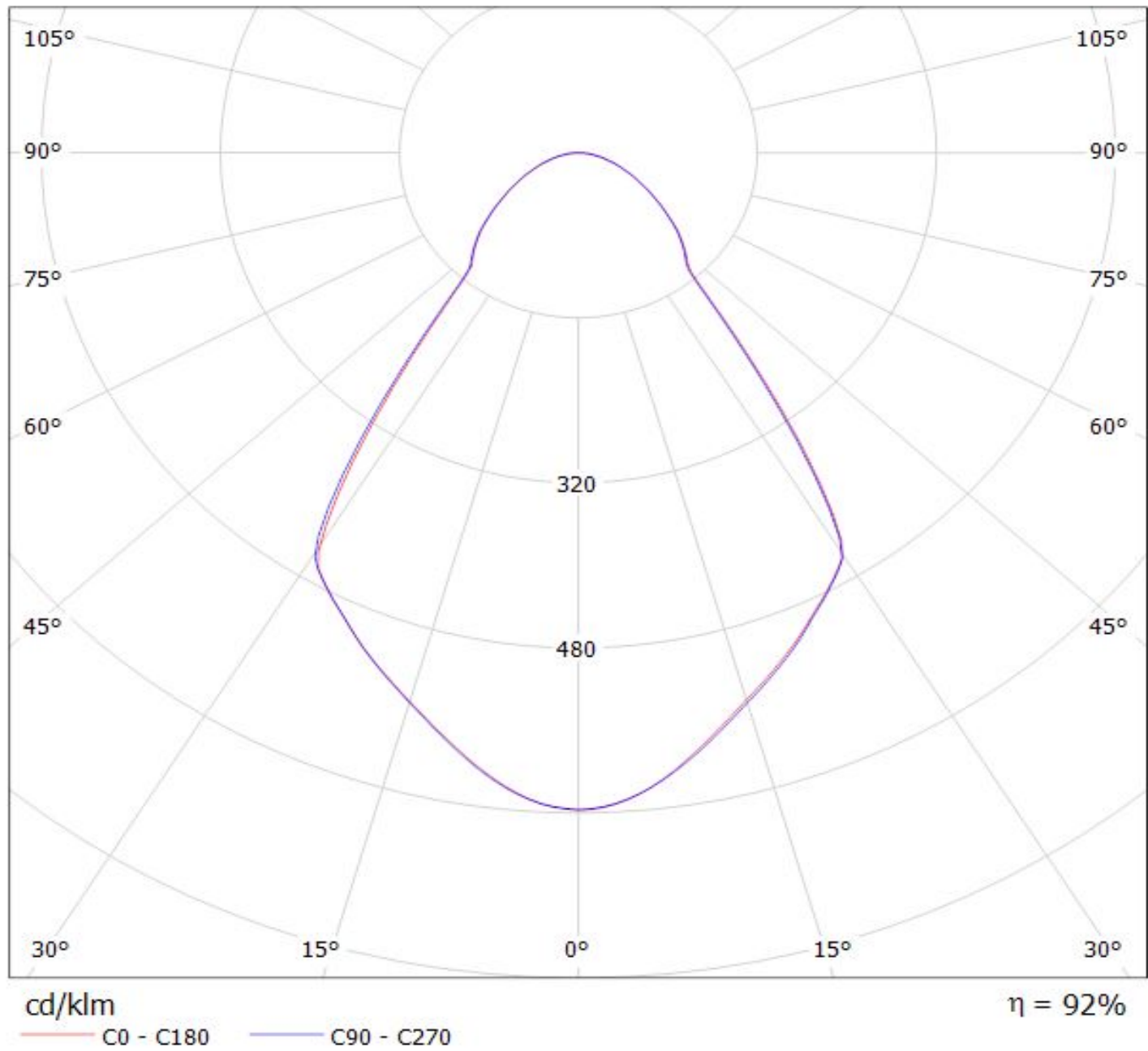
Lamps: 1 x Tridonic_SLE_G4_LES23_1428.75lm@250mA_P=8.19944W_I=0.2498A



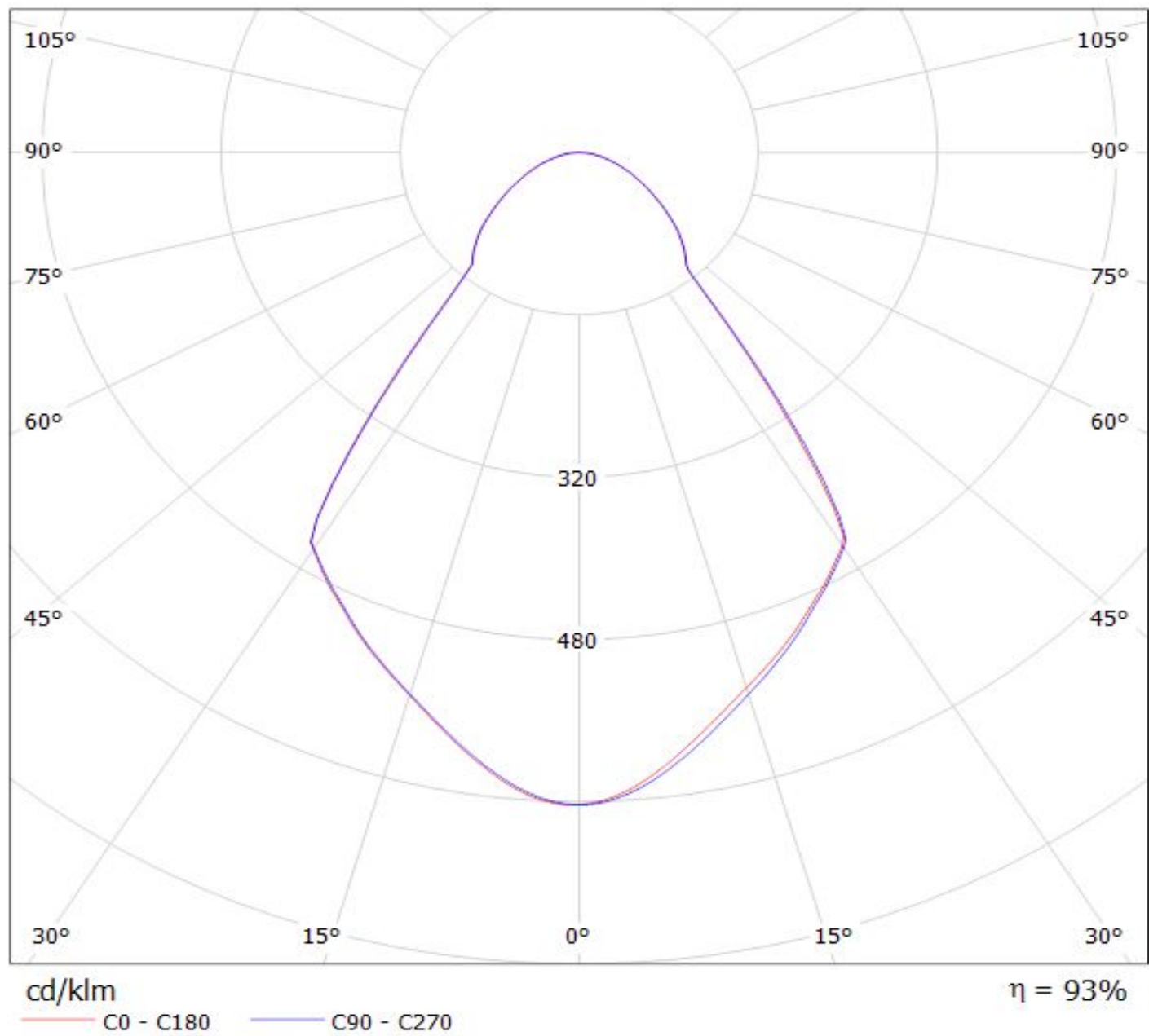
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(ZC40)
Lamps: 1 x SEOUL_ZC40_(SBWW5F1B)_1176.6lm@250mA_P=8.22171W_I=249.9mA



Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CXA30)
Lamps: 1 x Cree_CXA30_(CXA3050-3C0-Y2-N0H)_1395.36lm@250mA_P=8.20318W_I=249.8mA

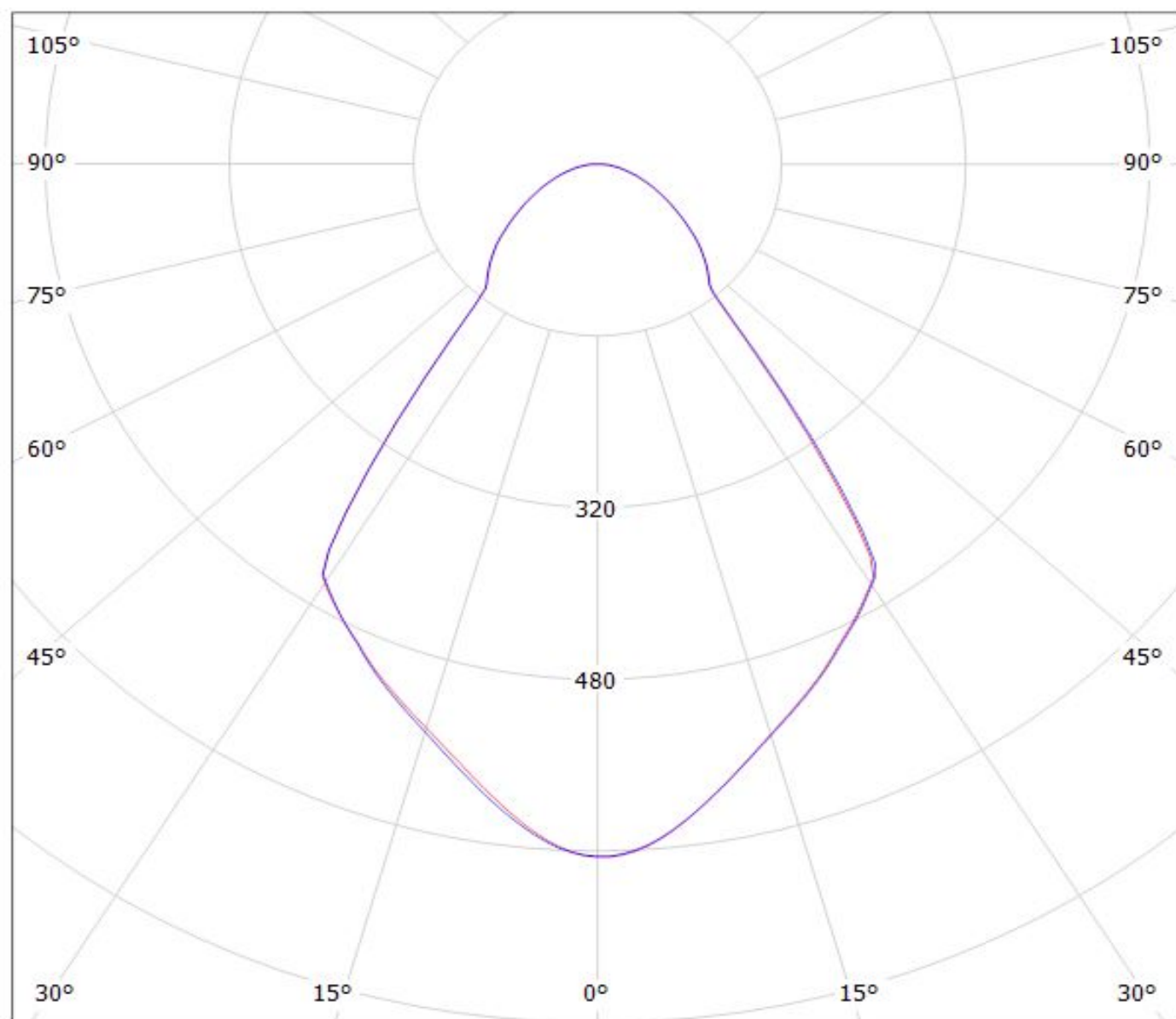


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Luxeon_CoB_1211)
Lamps: 1 x LUXEON_COB_1211_(LHC1-2790-1211)
_923.583lm@250mA_CCT=2700K_P=8.00909W_I=249.8mA



Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(SLE GEN4 LES19)

Lamps: 1 x SLE GEN4 LES19_1226.28lm@250mA_P=8.21367W_I=0.2498A



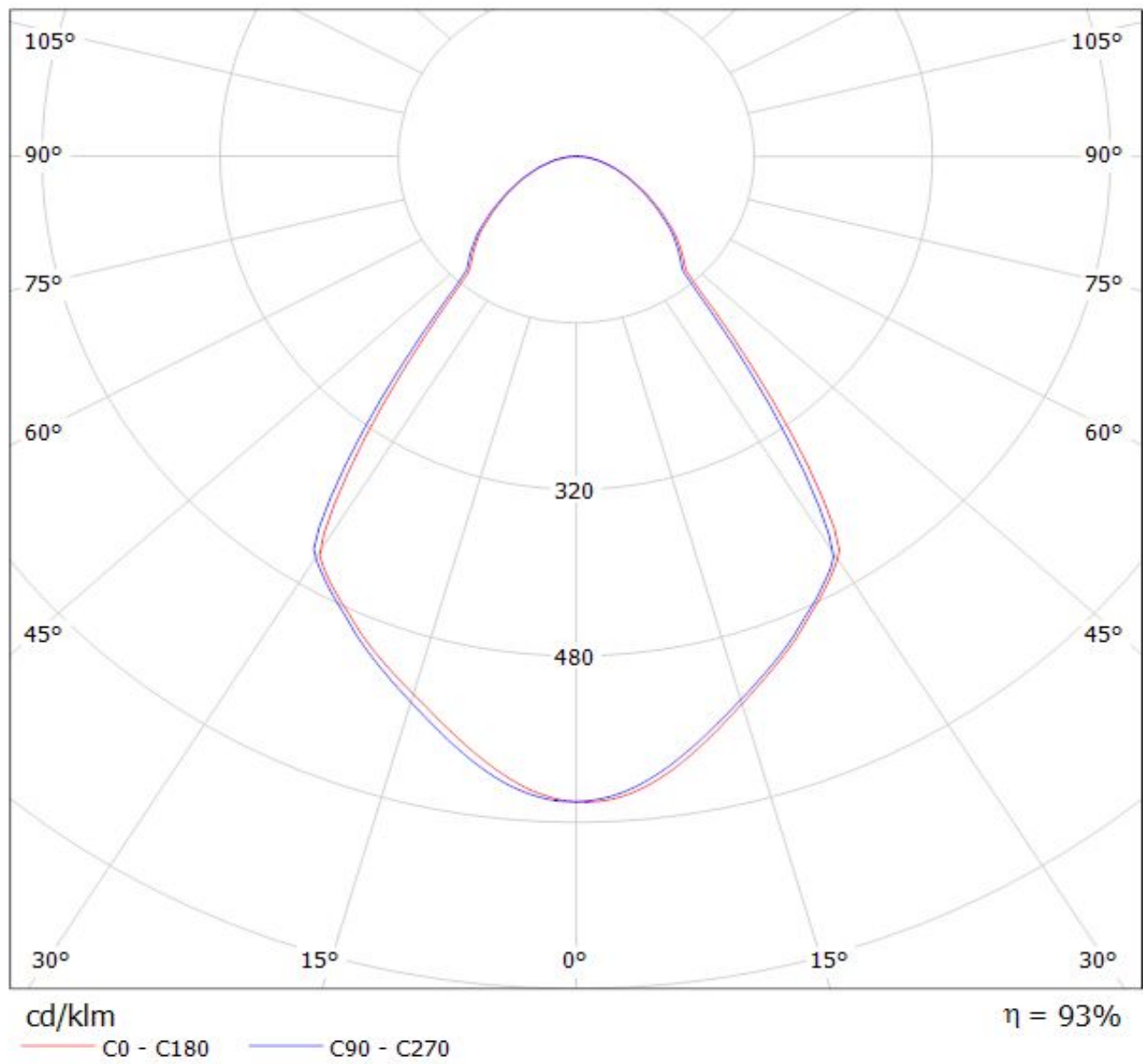
cd/klm

$\eta = 93\%$

C0 - C180

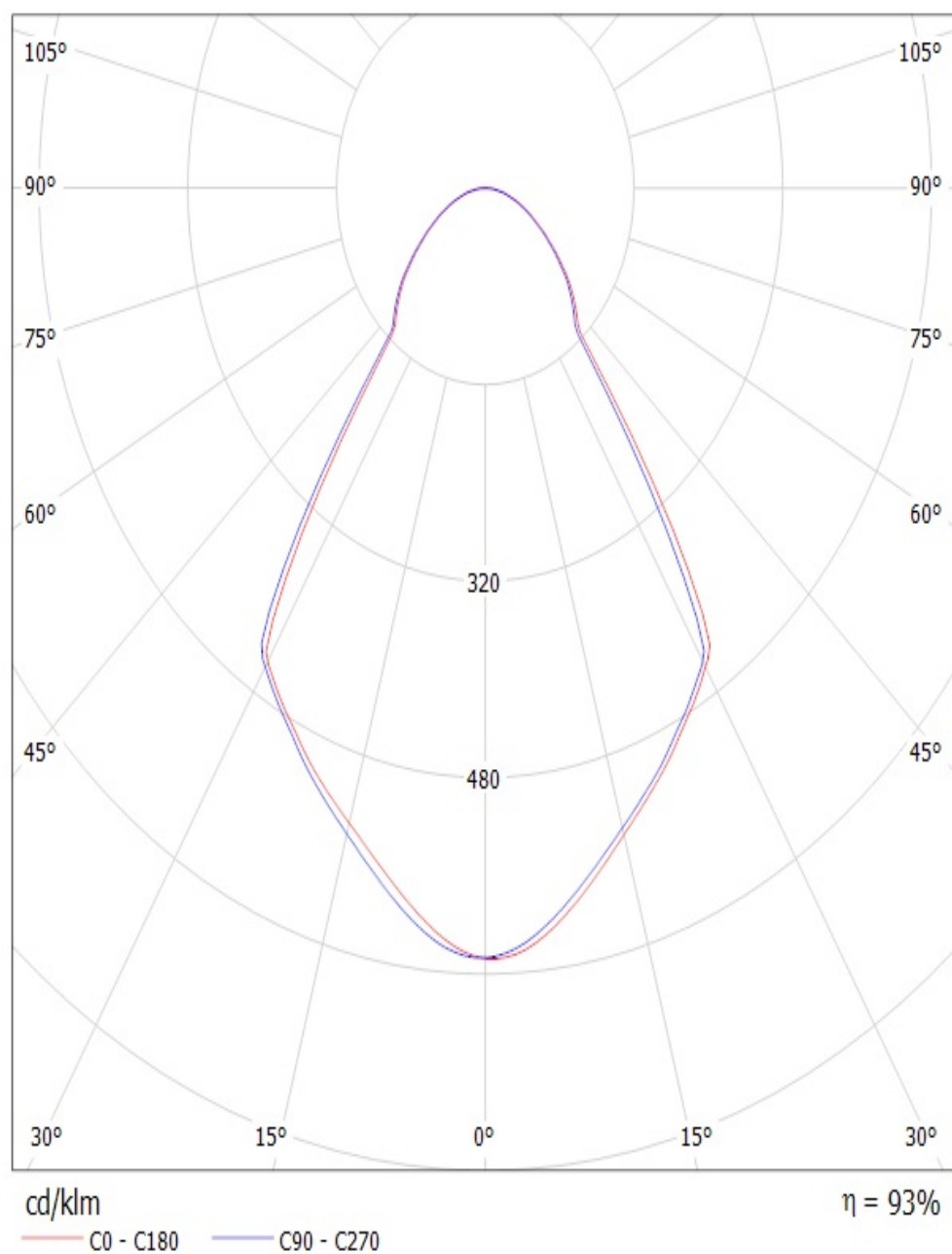
C90 - C270

Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CXM-22) Eff.92.9%
Lamps: 1 x LUMINUS_CXM-22_1221.8lm@250mA_P=8.00809W_CCT=3000K_I=249.8mA

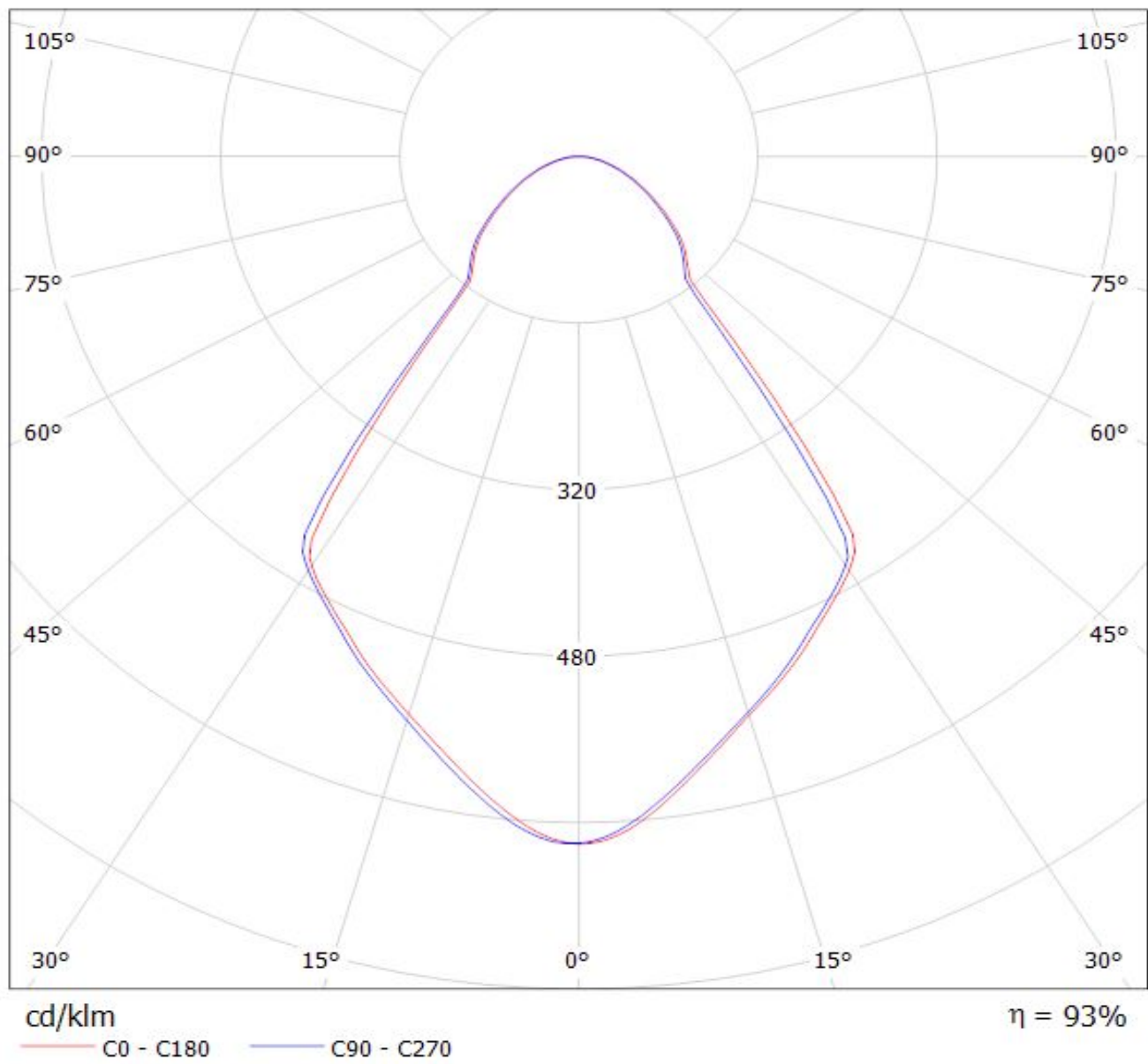


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Luxeon_CoB_1211)_(BJB2030)

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

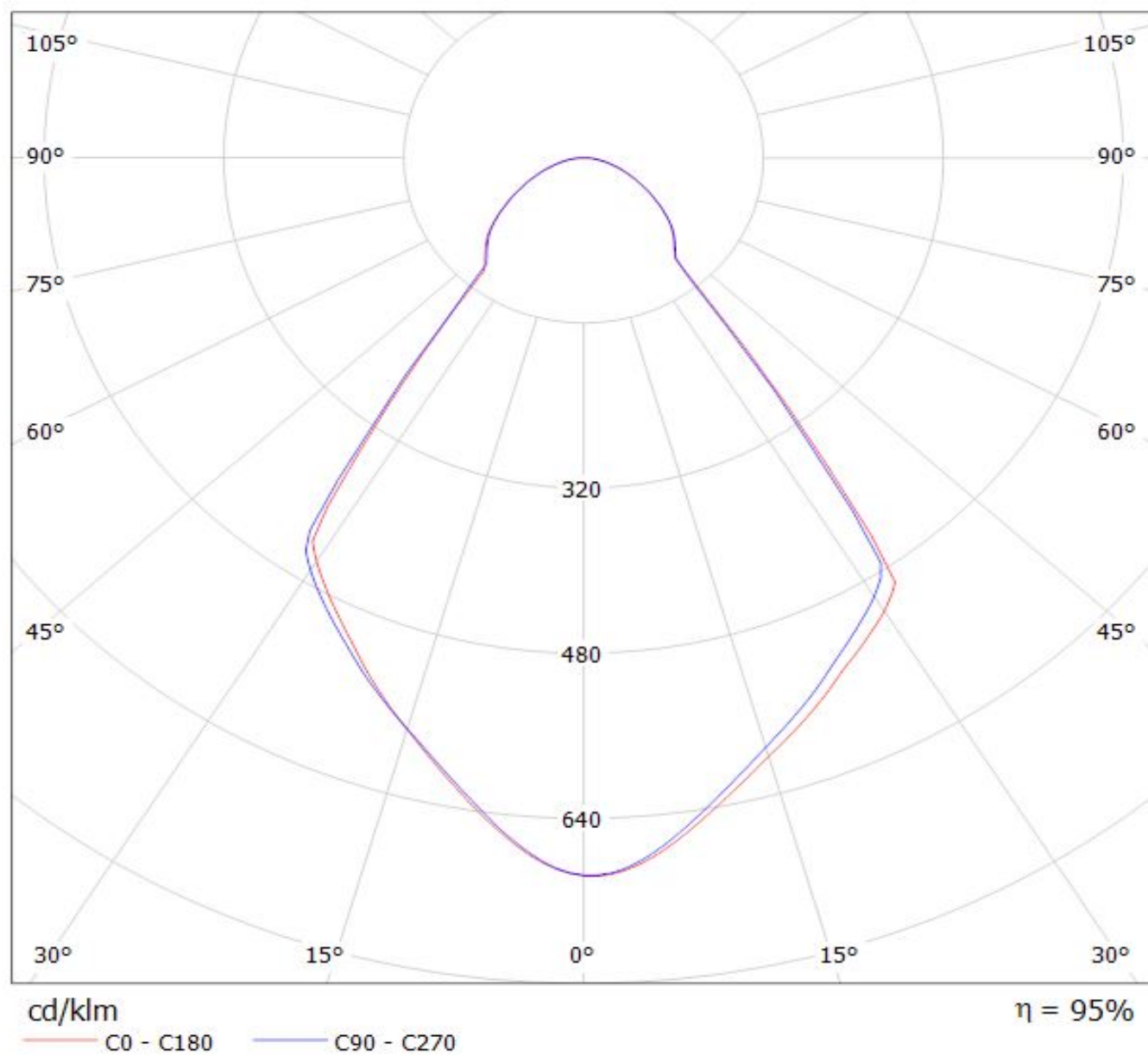


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CLL030)
Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1303M1A2)_1041.7lm@250mA_P=8.45787W_I=249.9mA



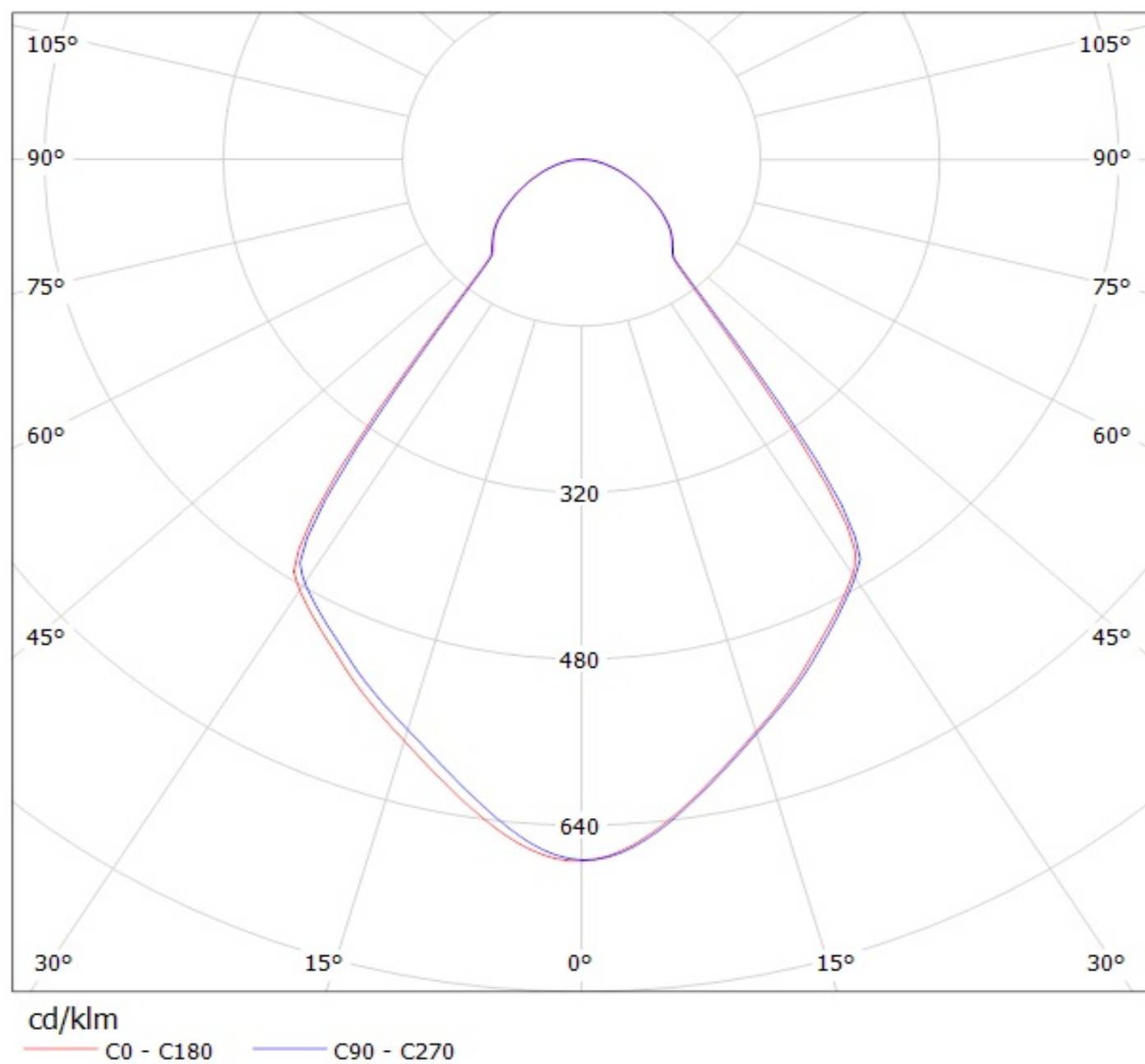
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(K12)

Lamps: 1 x Luxeon_K12_927.122lm@250mA_P=8.20472W_I=249.9mA

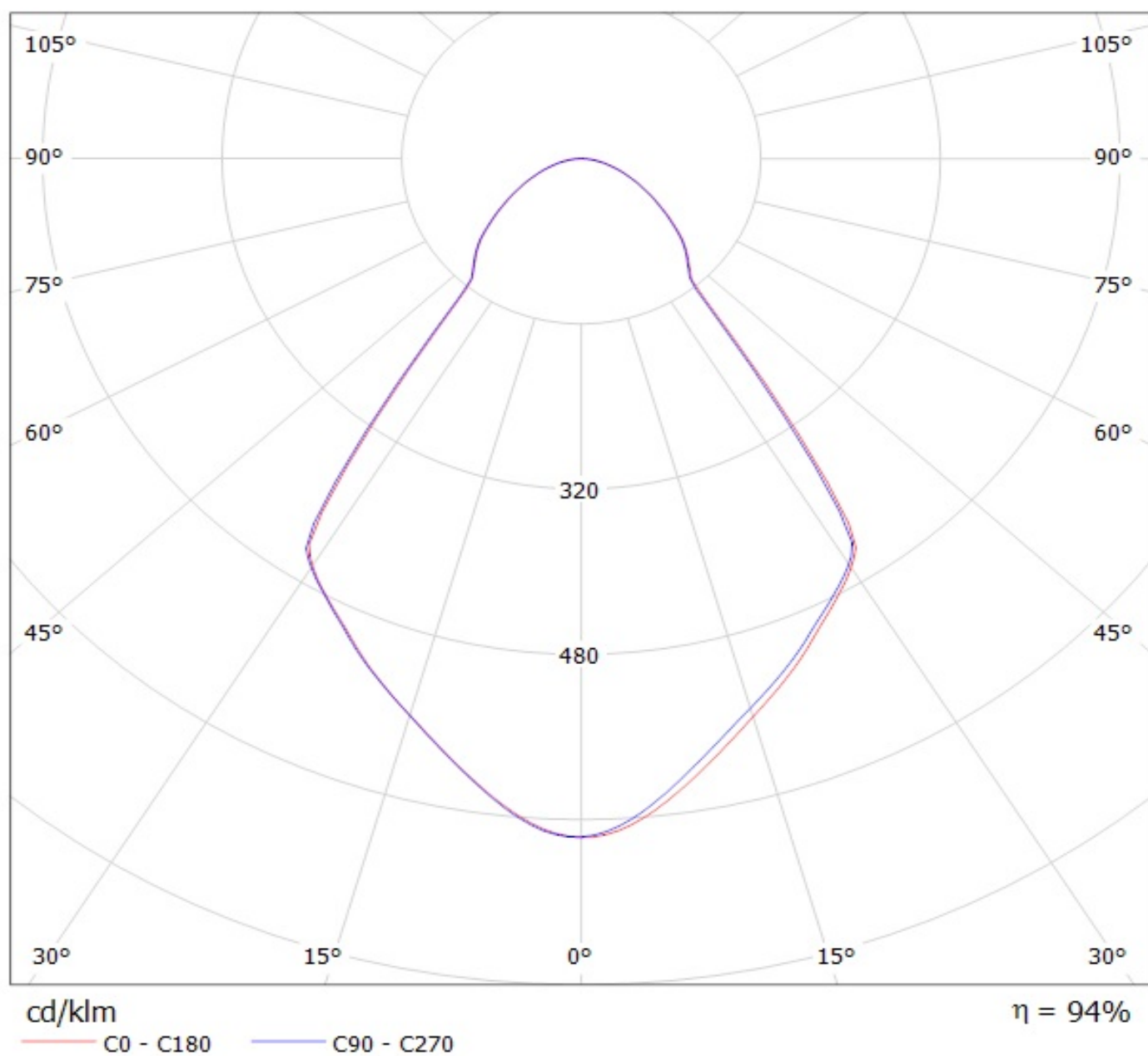


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Luxeon_K16) Eff: 94%

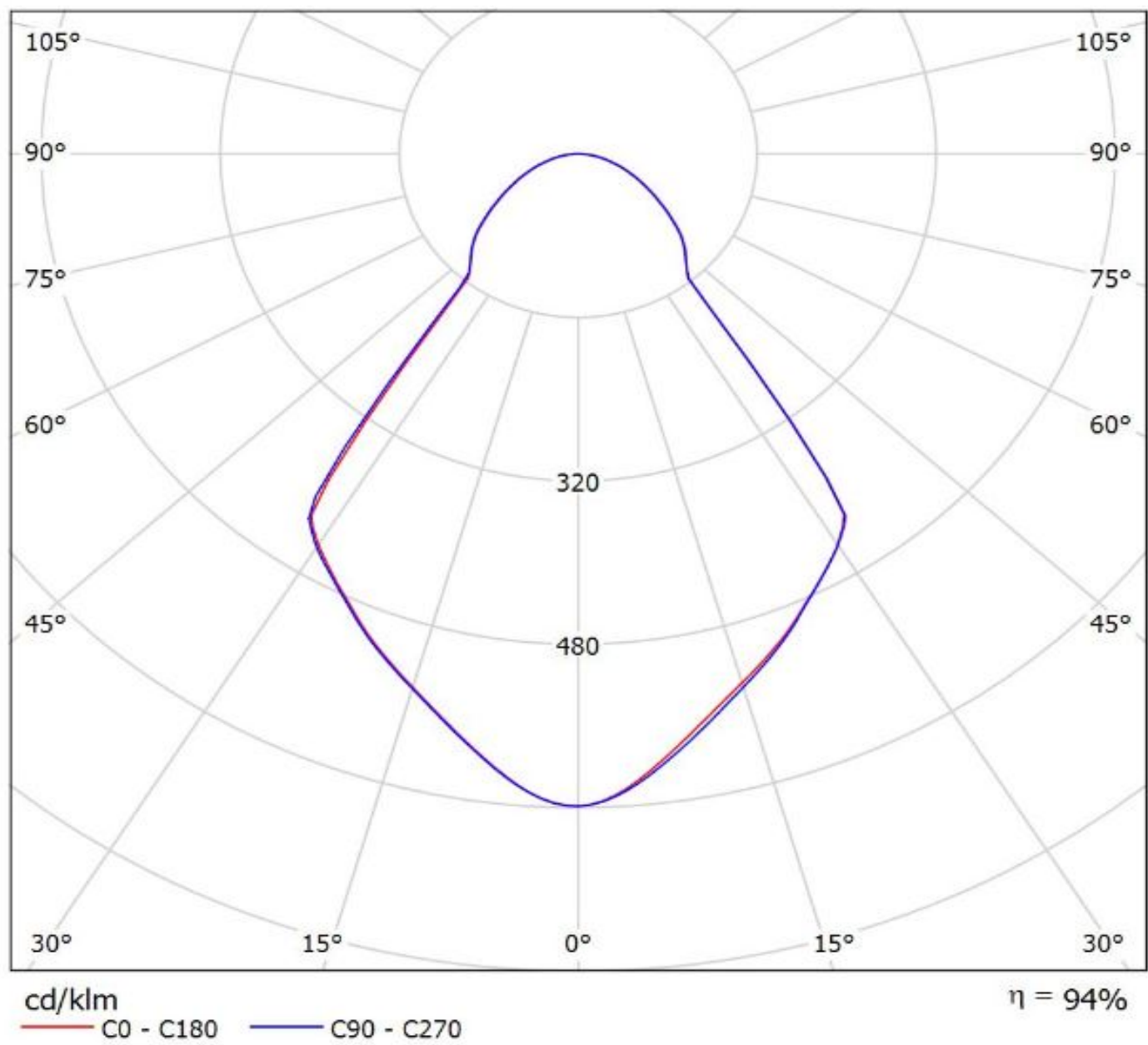
Lamps: 1 x Luxeon_K16+(BJB_47.319.2070)_1221.7lm@250mA_P=10.948W_I=249.8mA



Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Mega_Zenigata_GW6DME) Eff: 94%
Lamps: 1 x Sharp_Mega_Zenigata_GW6DME_(6DME30NFC)
_1243.73lm@250mA_P=11.1109W_I=249.8mA

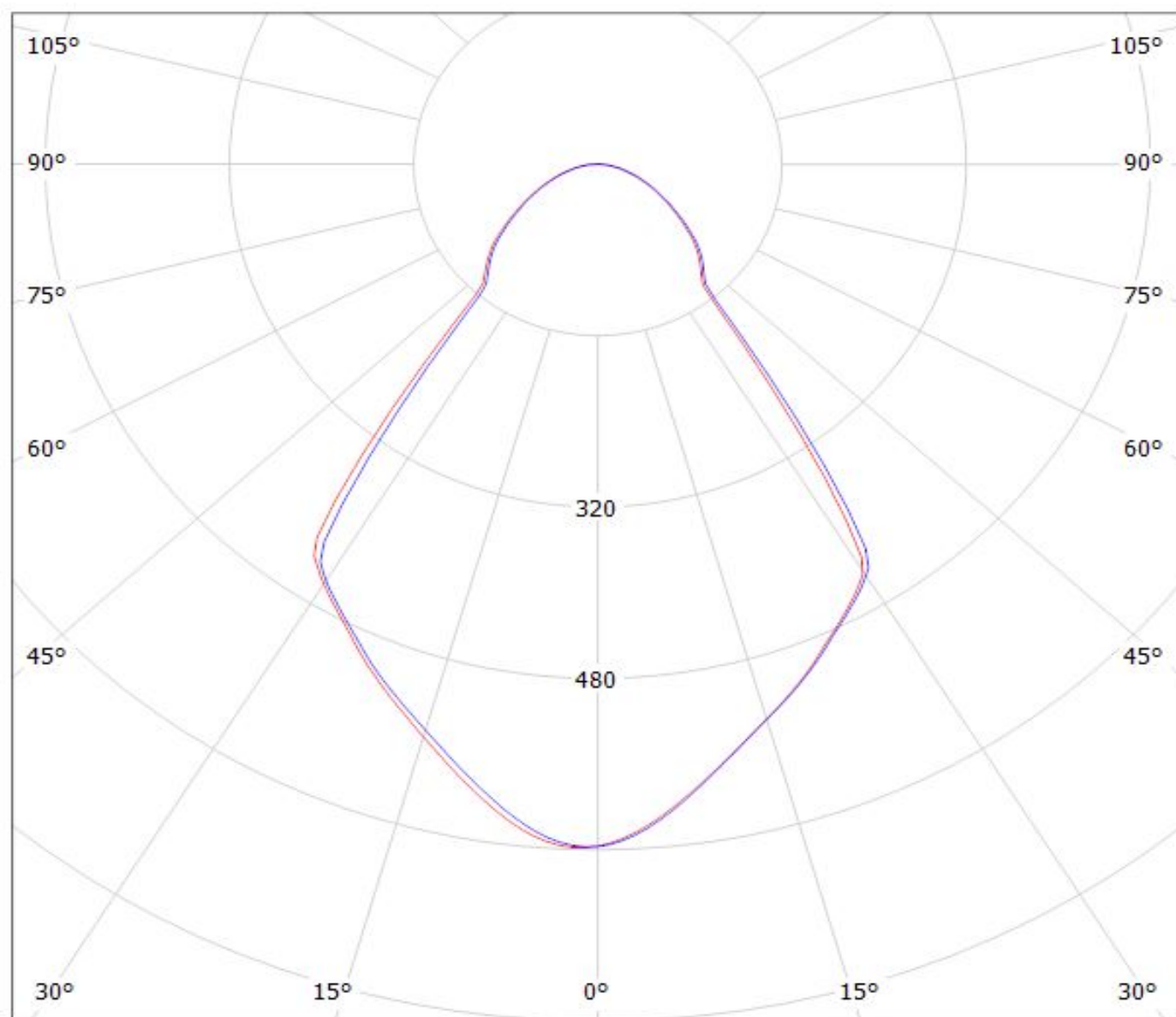


Luminaire: Ledil F13841_ANGELA-XW-B_(CITIZEN_CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1320.42lm@250mA_CCT=2700K_P=8.35W_I=0.25A



Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(S19) Eff.93.0%

Lamps: 1 x Osram_SOLERIQ_S19_1434.85lm@250mA_P=10.5595W_I=249.8mA



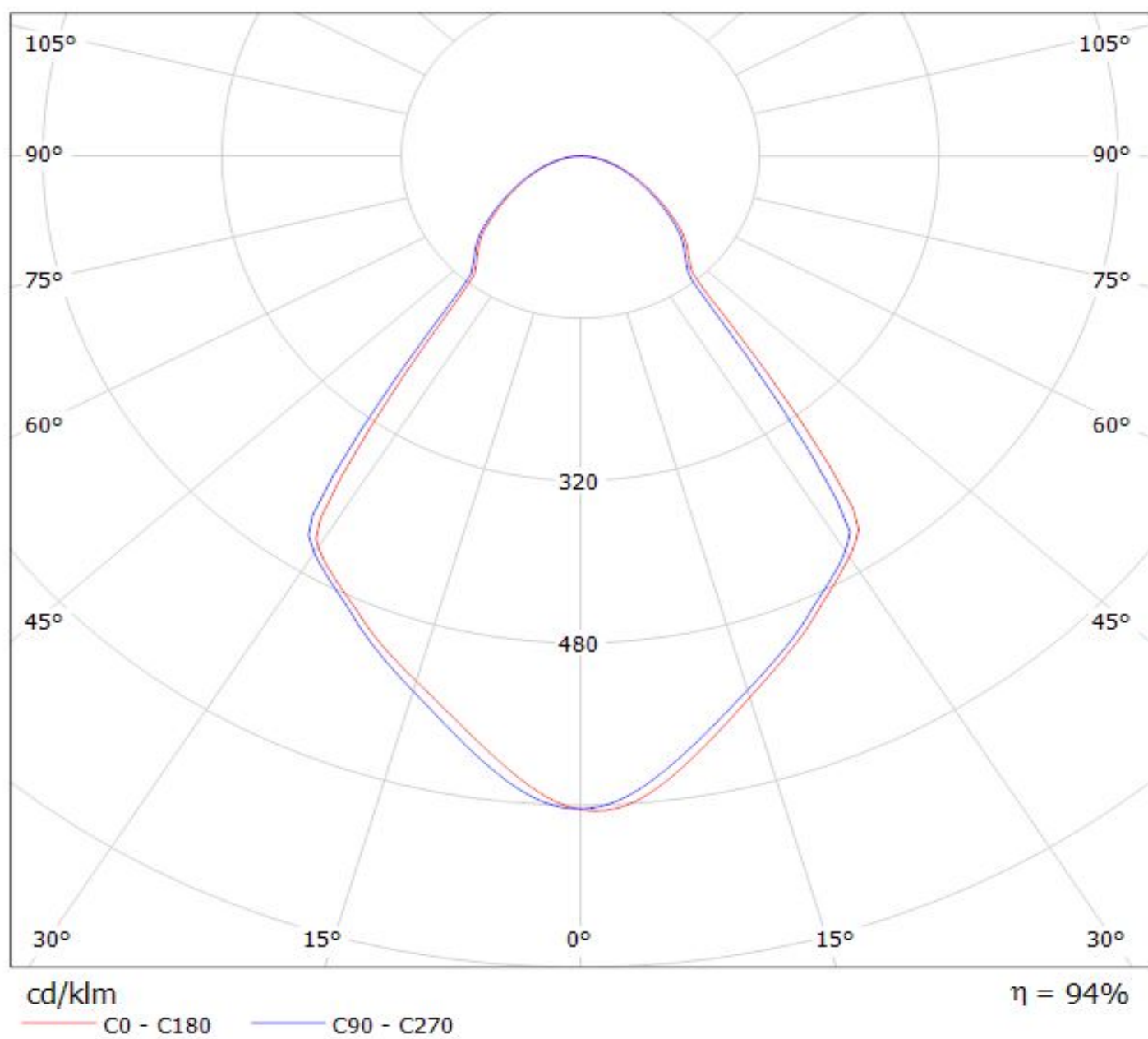
cd/klm

$\eta = 93\%$

— C0 - C180

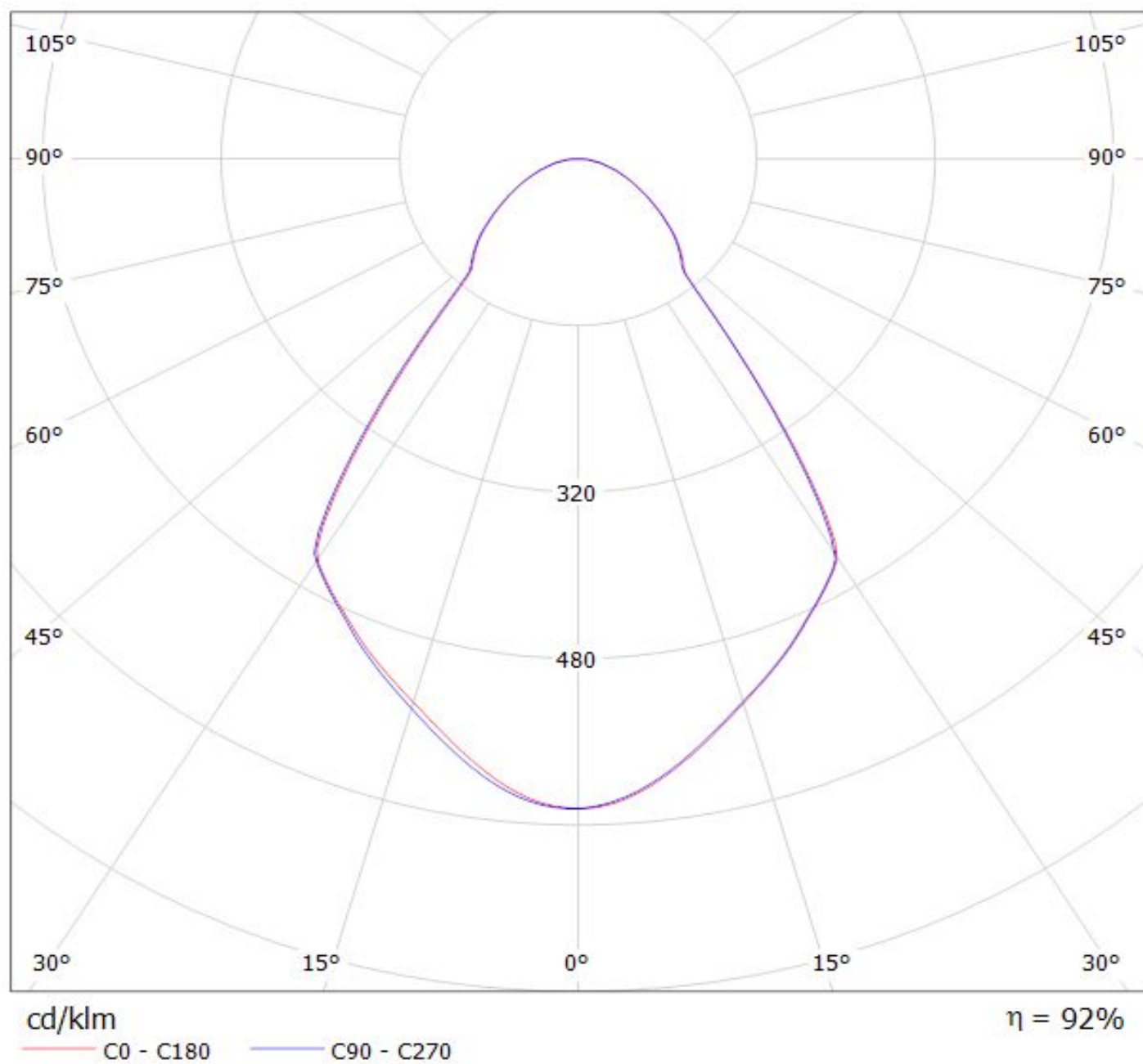
— C90 - C270

Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CXM-14)
Lamps: 1 x LUMINUS_XNOVA_CXM-14_(AC00)
_1049.18lm@250mA_CCT=3126K_P=8.31834W_I=249.8mA



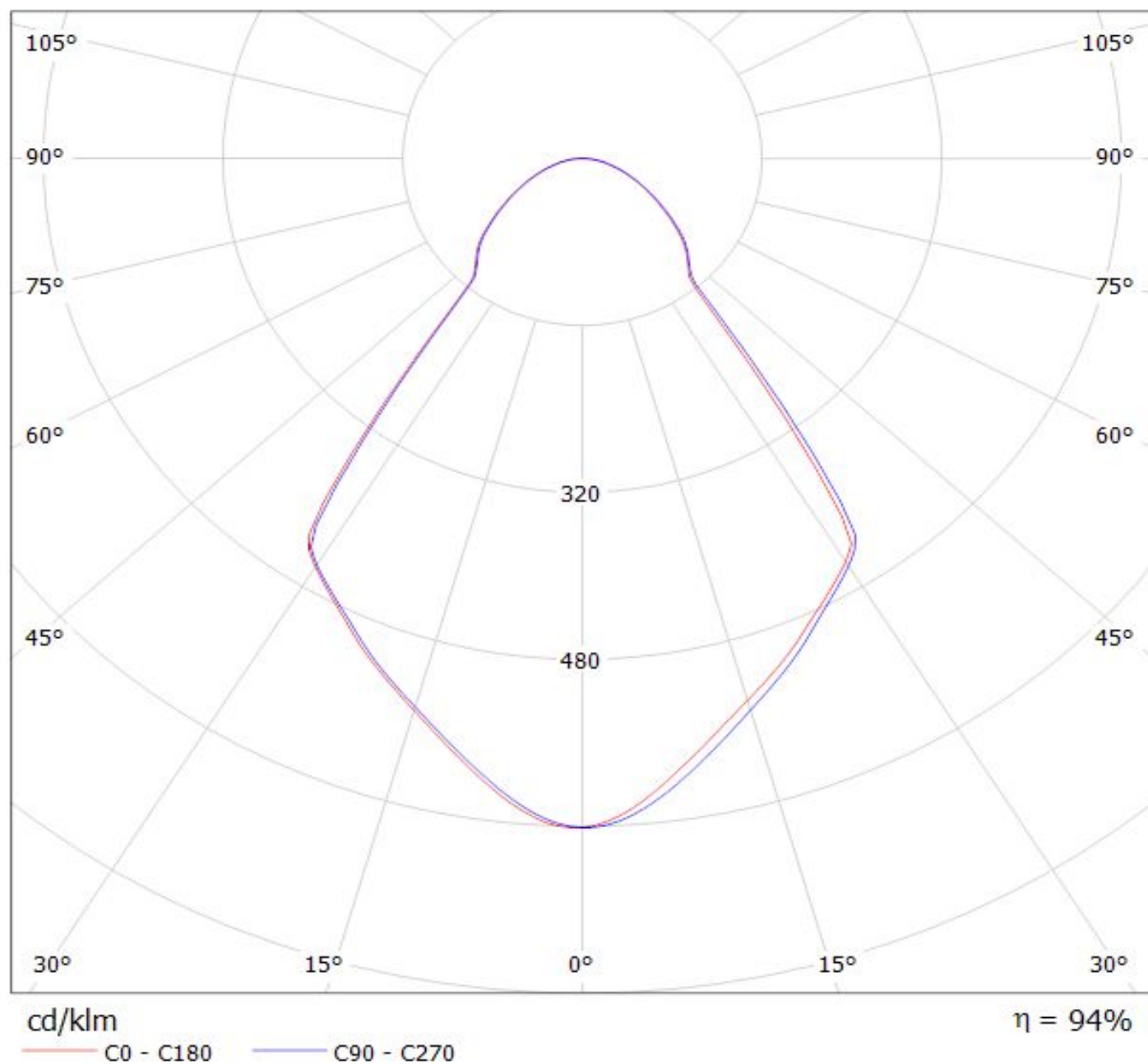
Luminaire: LEDiL Oy F13841_ANGELA-XW-B (COB_40W)

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



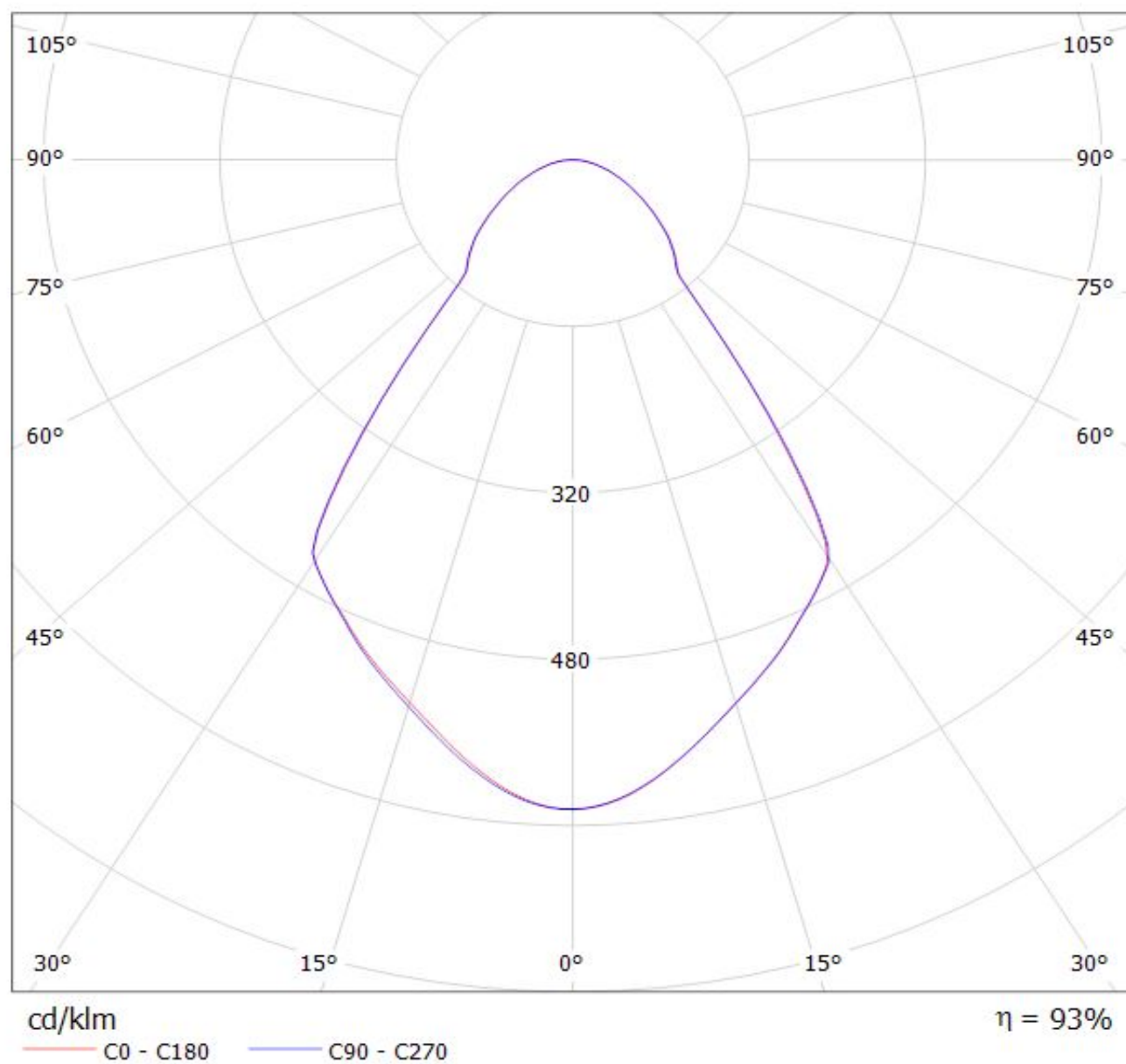
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CLU034)

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



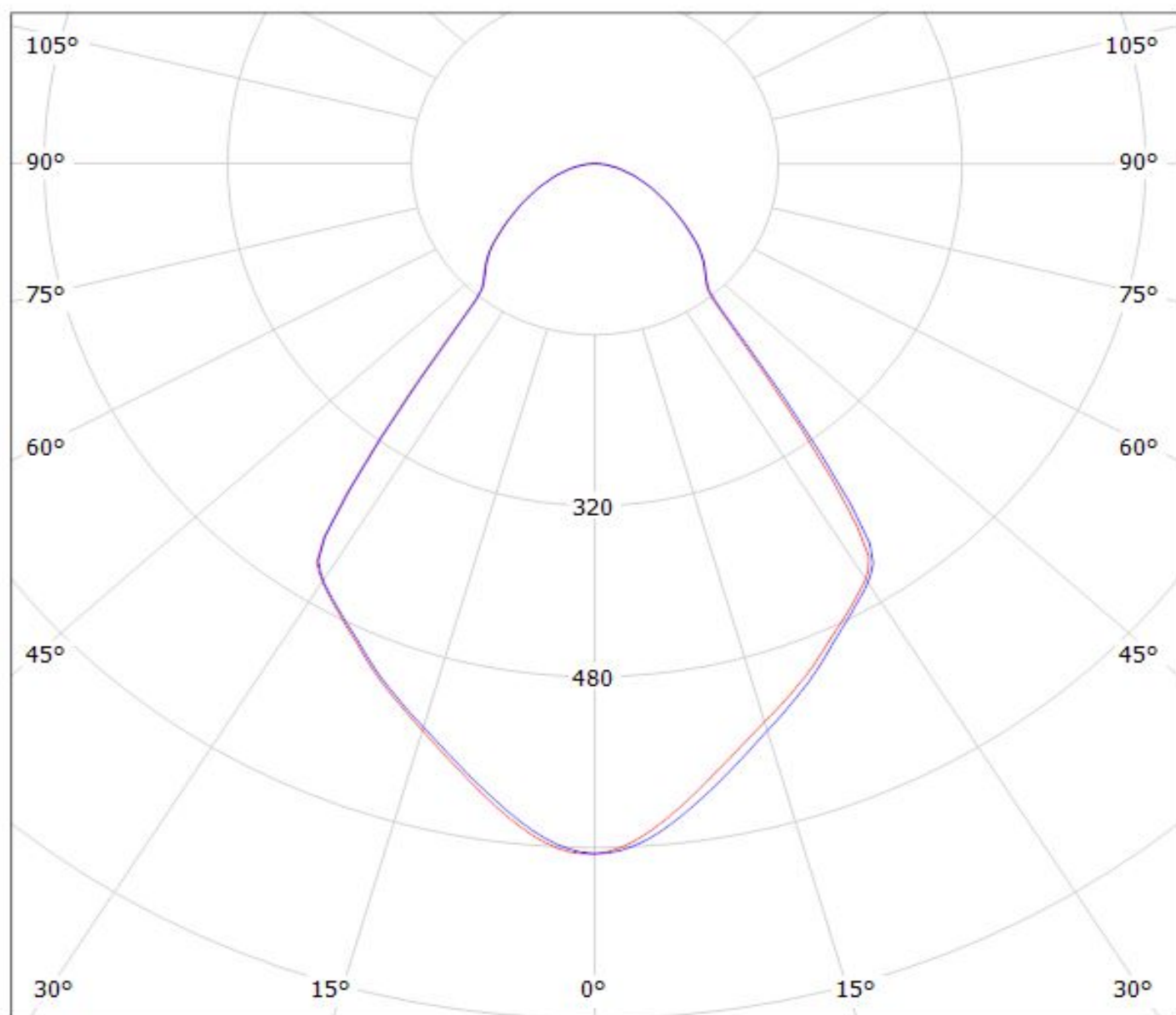
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CLU044)

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



Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(ZC12)

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



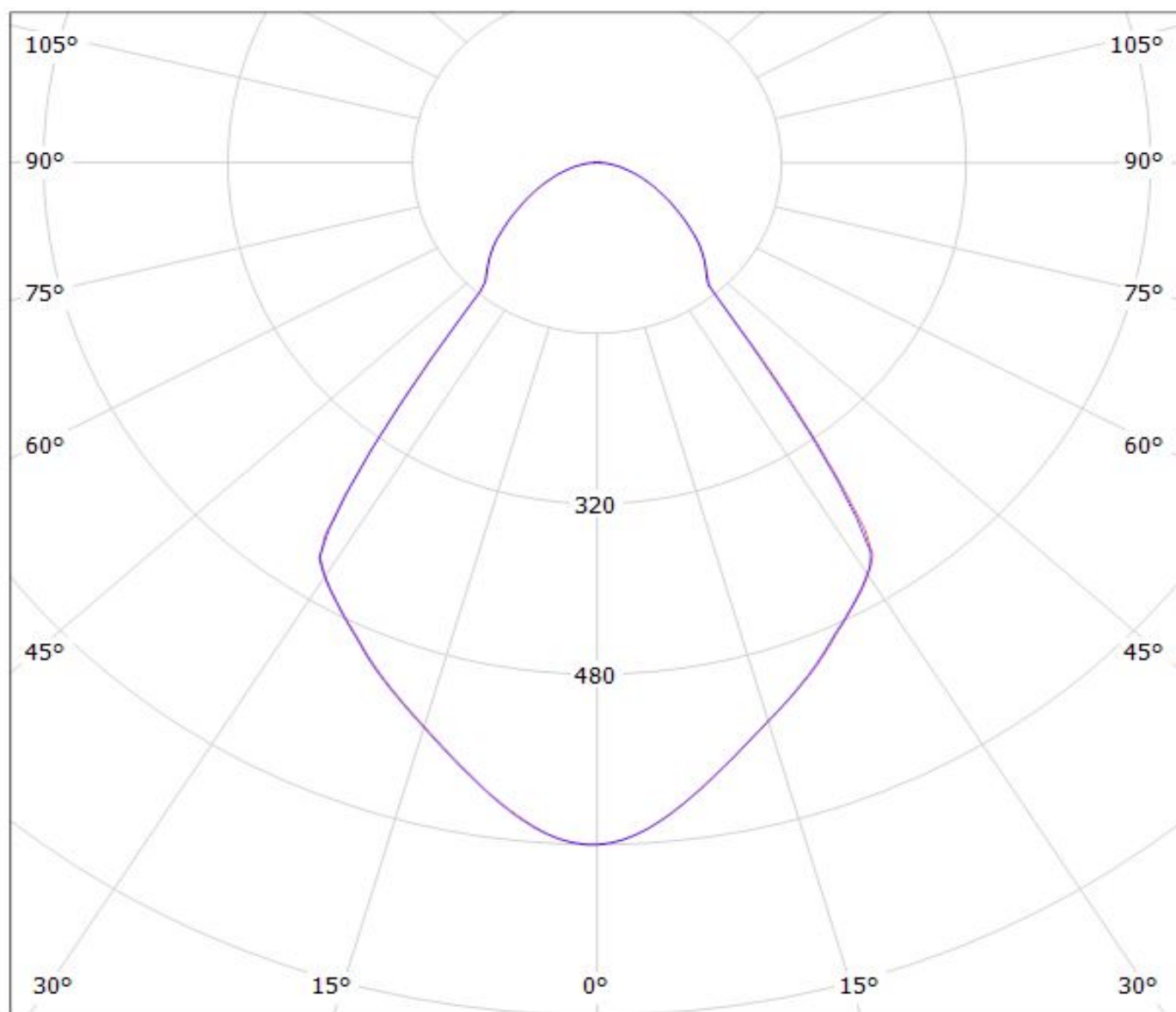
cd/klm

$\eta = 93\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Soleriq S19) Eff.93.8%
Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)
_1445.44lm@250mA_CCT=3000K_P=10.558W_I=249.8mA



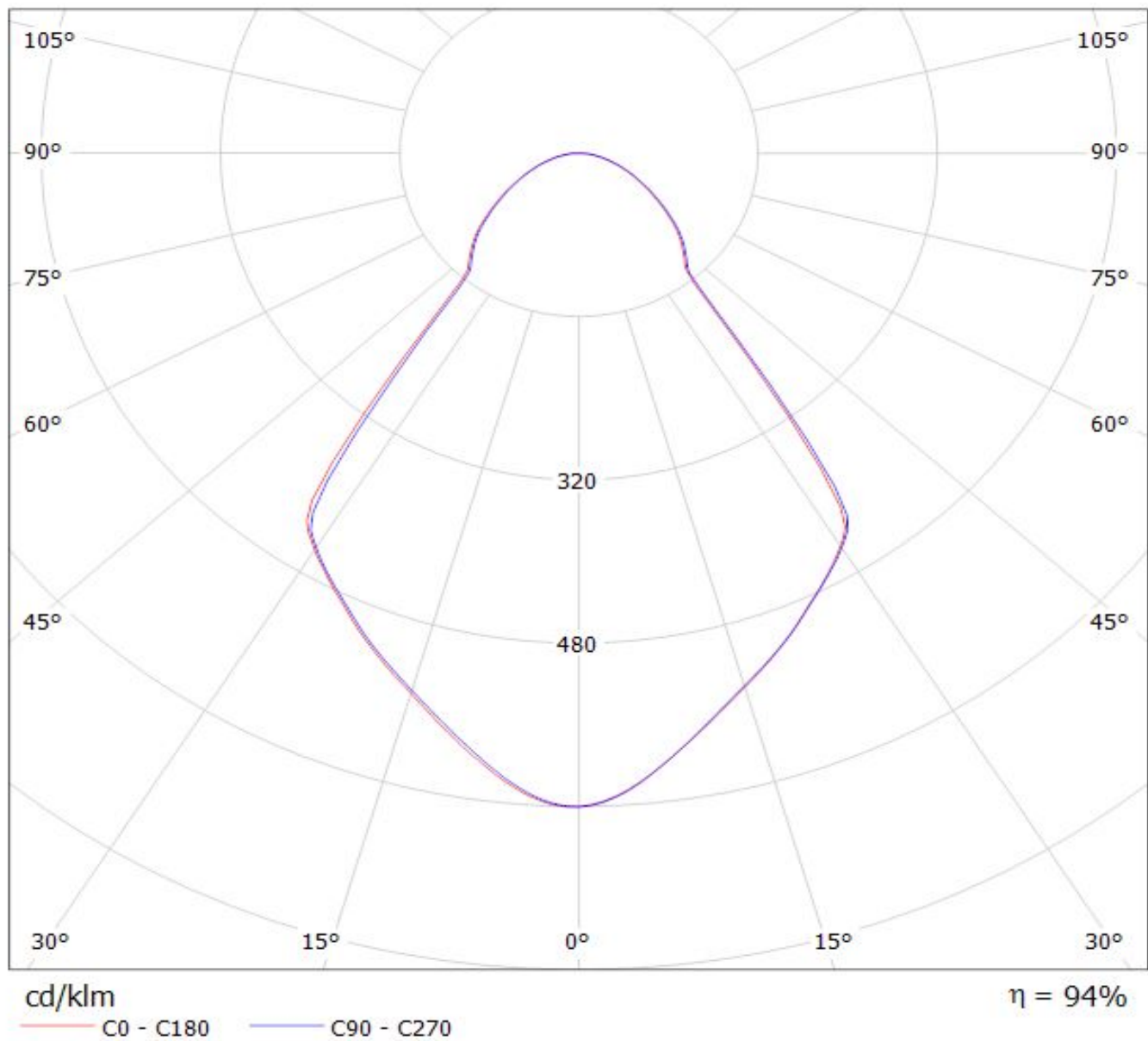
cd/klm

$\eta = 94\%$

— C0 - C180

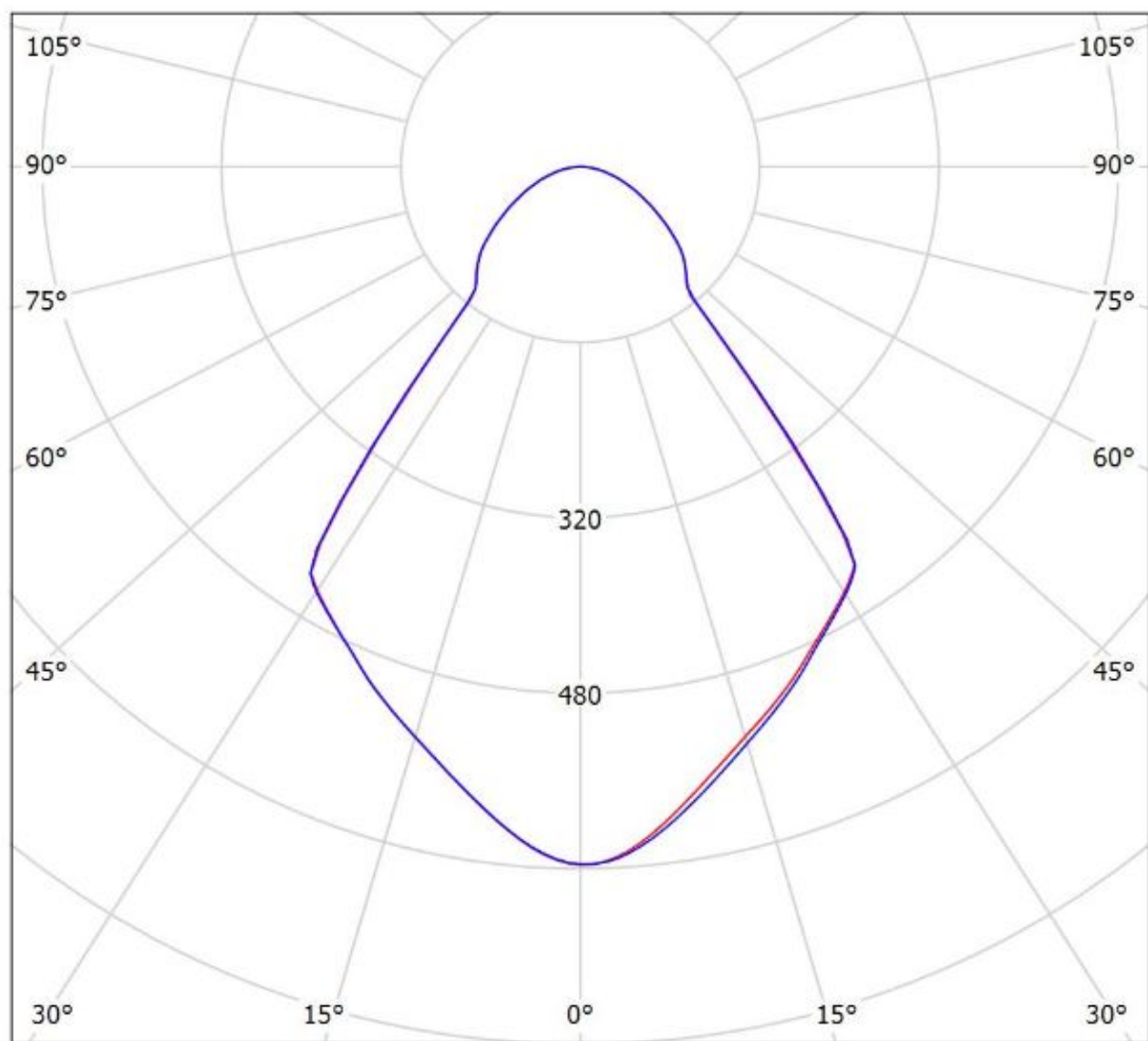
— C90 - C270

Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(BXRA_ES)
Lamps: 1 x BXRA_ES_(W1203-102820-3110)_290.027lm@250mA_P=4.09661W_I=249.9mA



Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(SOLERIQ_P13)

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



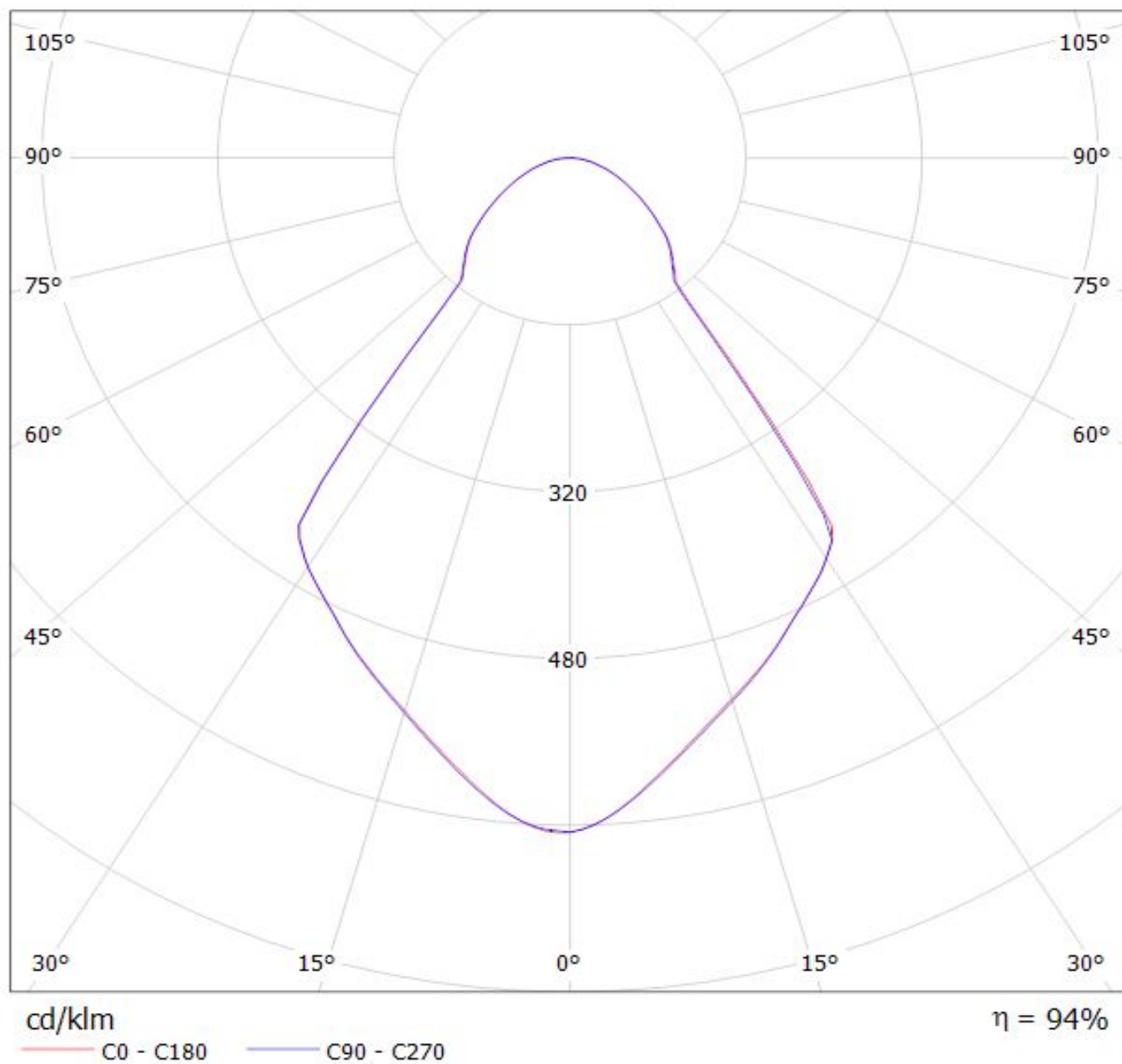
cd/klm

— C0 - C180 — C90 - C270

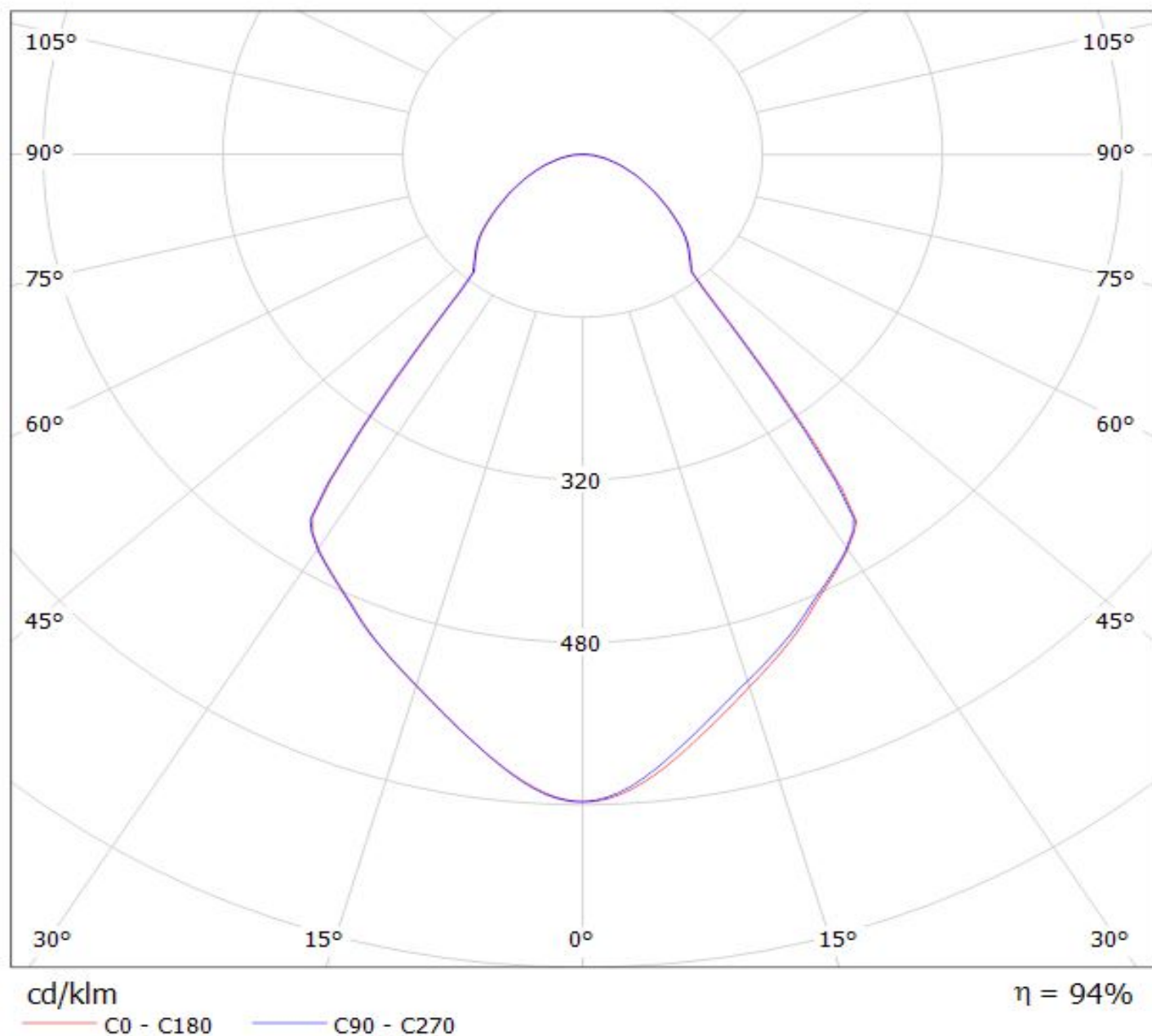
$\eta = 94\%$

Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CITIZEN_CLU720)

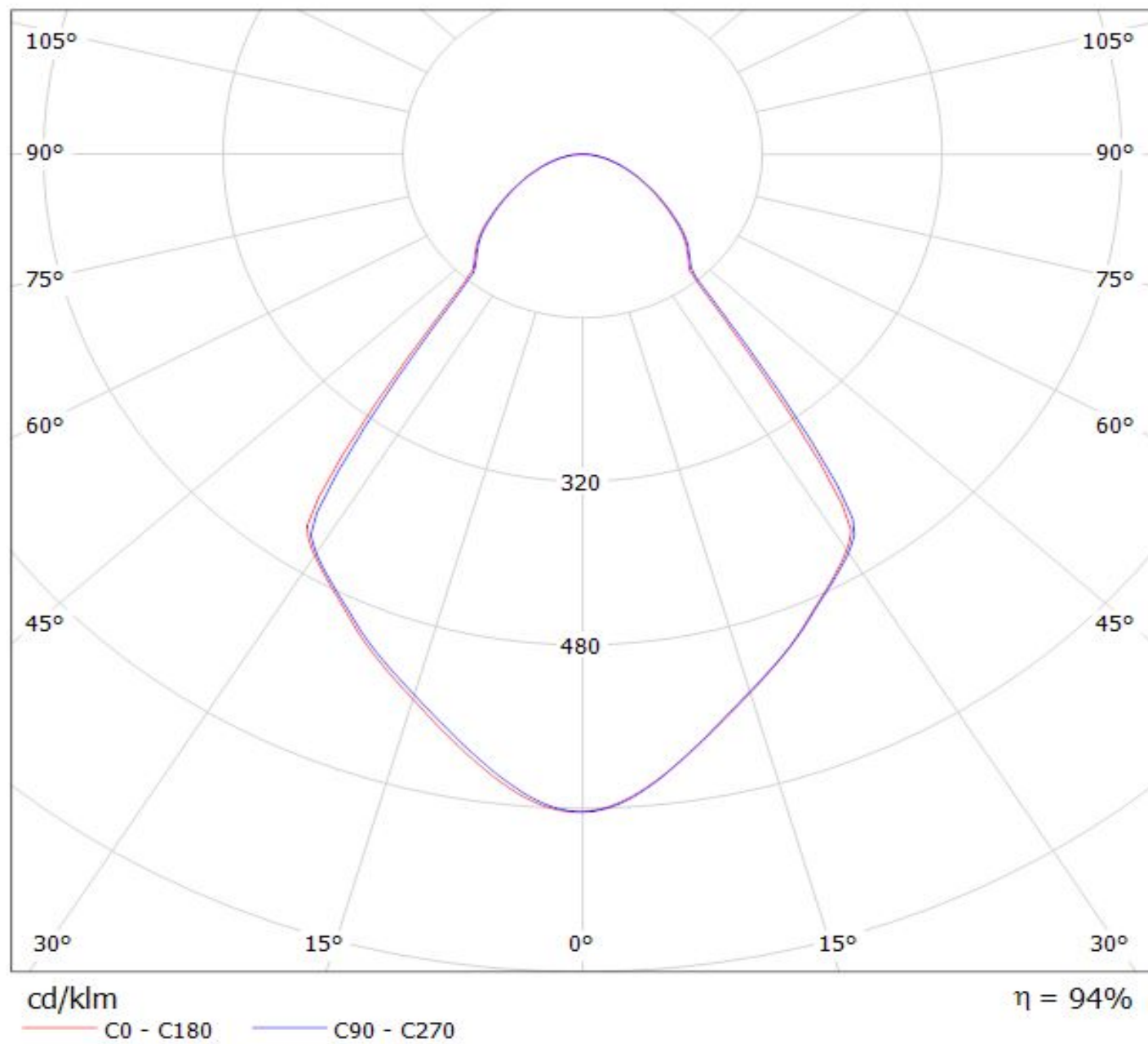
Lamps: 1 x CITIZEN_CLU720_(BJB: 47.319.2020)_1214.68lm@250mA_CCT=2700K_P=8.31842W_I=0.25A



Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Luxeon_CoB_1205)
Lamps: 1 x LUXEON_COB_1205_(LHC1-3080-1205)
_1115lm@250mA_CCT=3000K_P=11.183W_I=249.8mA

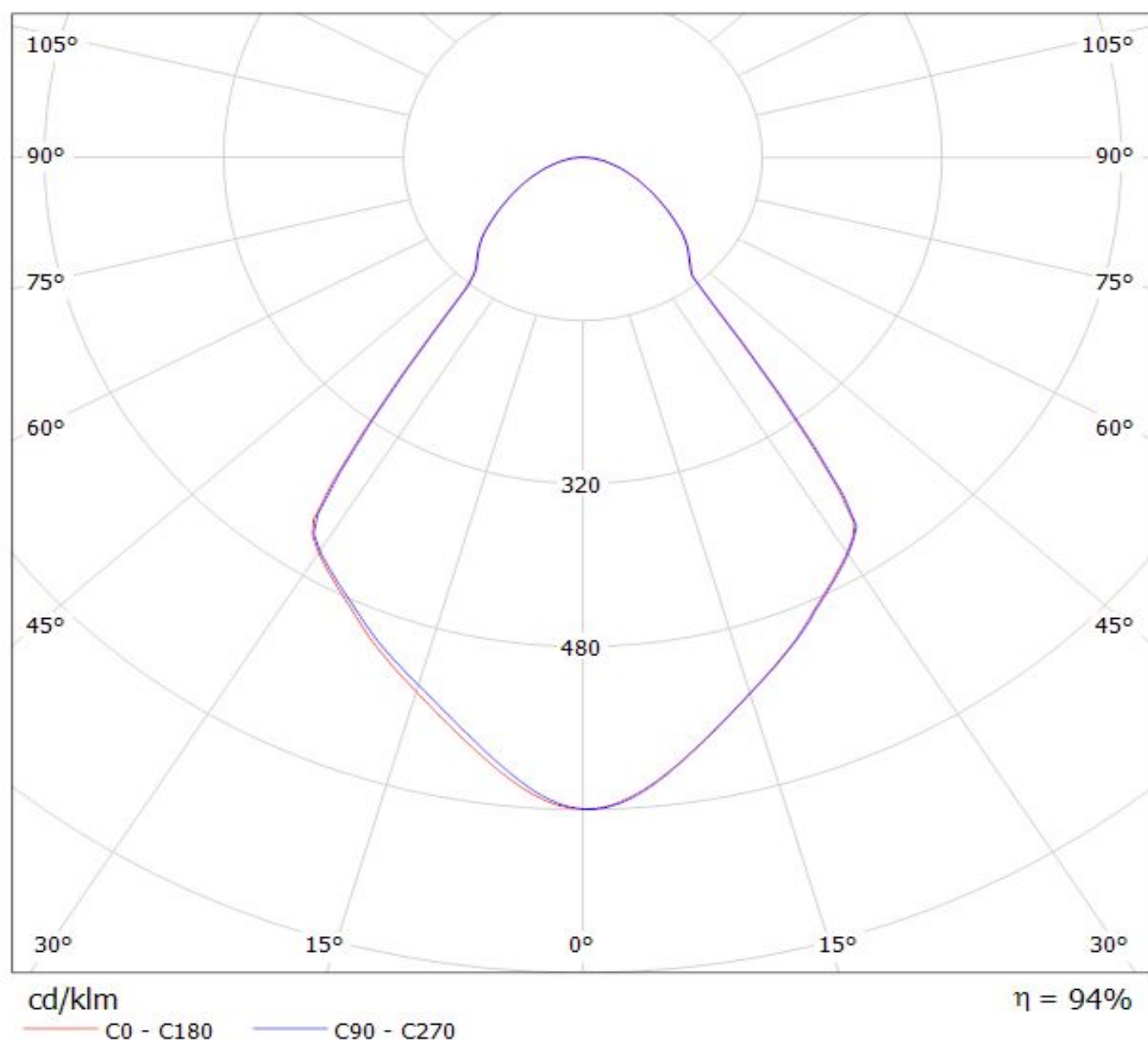


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(MegaZenigata_GW6)
Lamps: 1 x Sharp_MegaZenigata_GW6_(GW6DME30NFC)
_1266.19lm@250mA_CCT=3038K_P=11.2151W_I=250.6mA

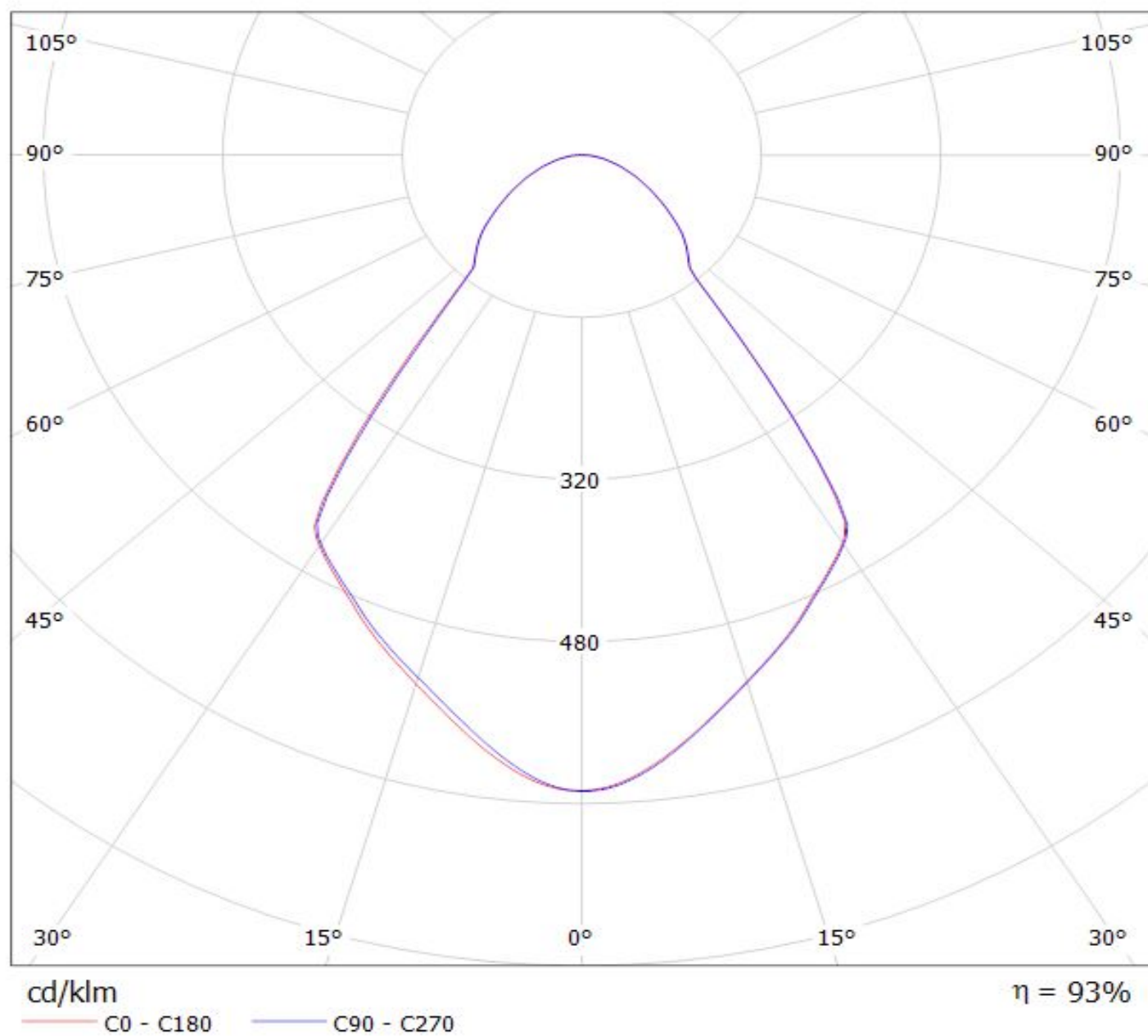


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(LG_COB_10W)

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

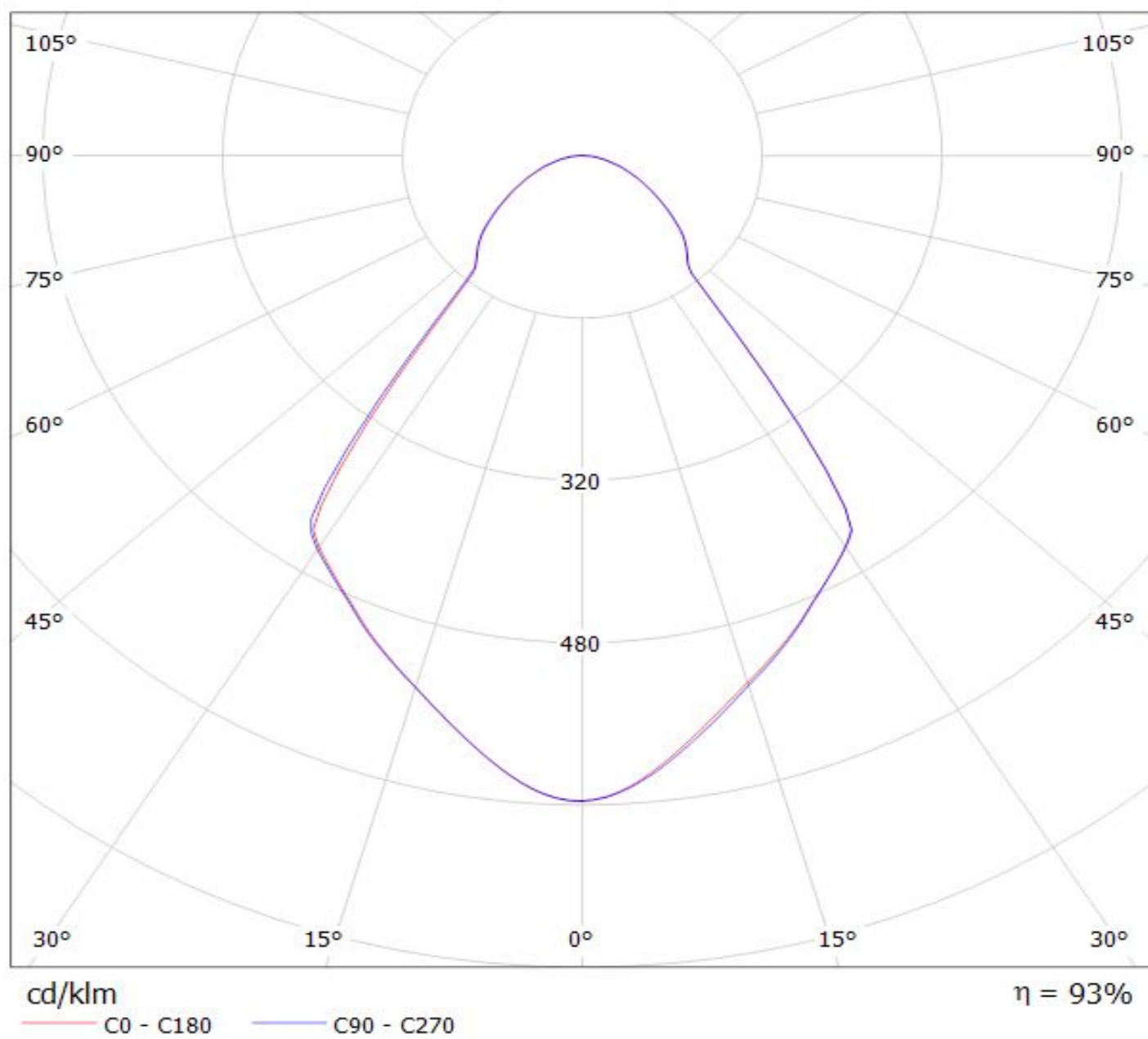


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CXA2590)
Lamps: 1 x CREE_CXA2590_(CXA2590-30F-Z4-RPH-00001)
_837.275lm@100mA_CCT=3000K_P=6.36316W_I=100.1mA

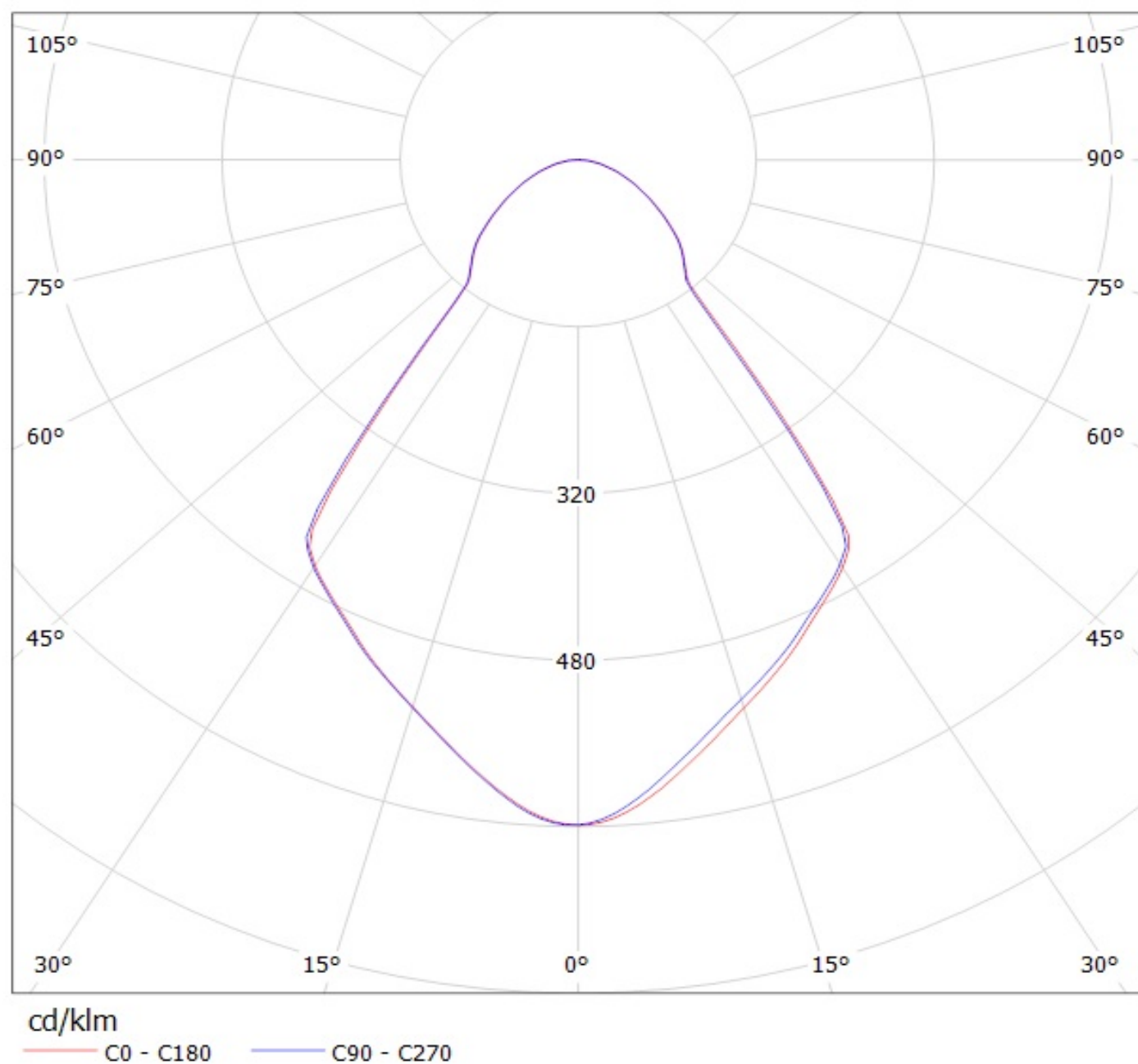


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(STARK_SLE_G3_LES17)

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

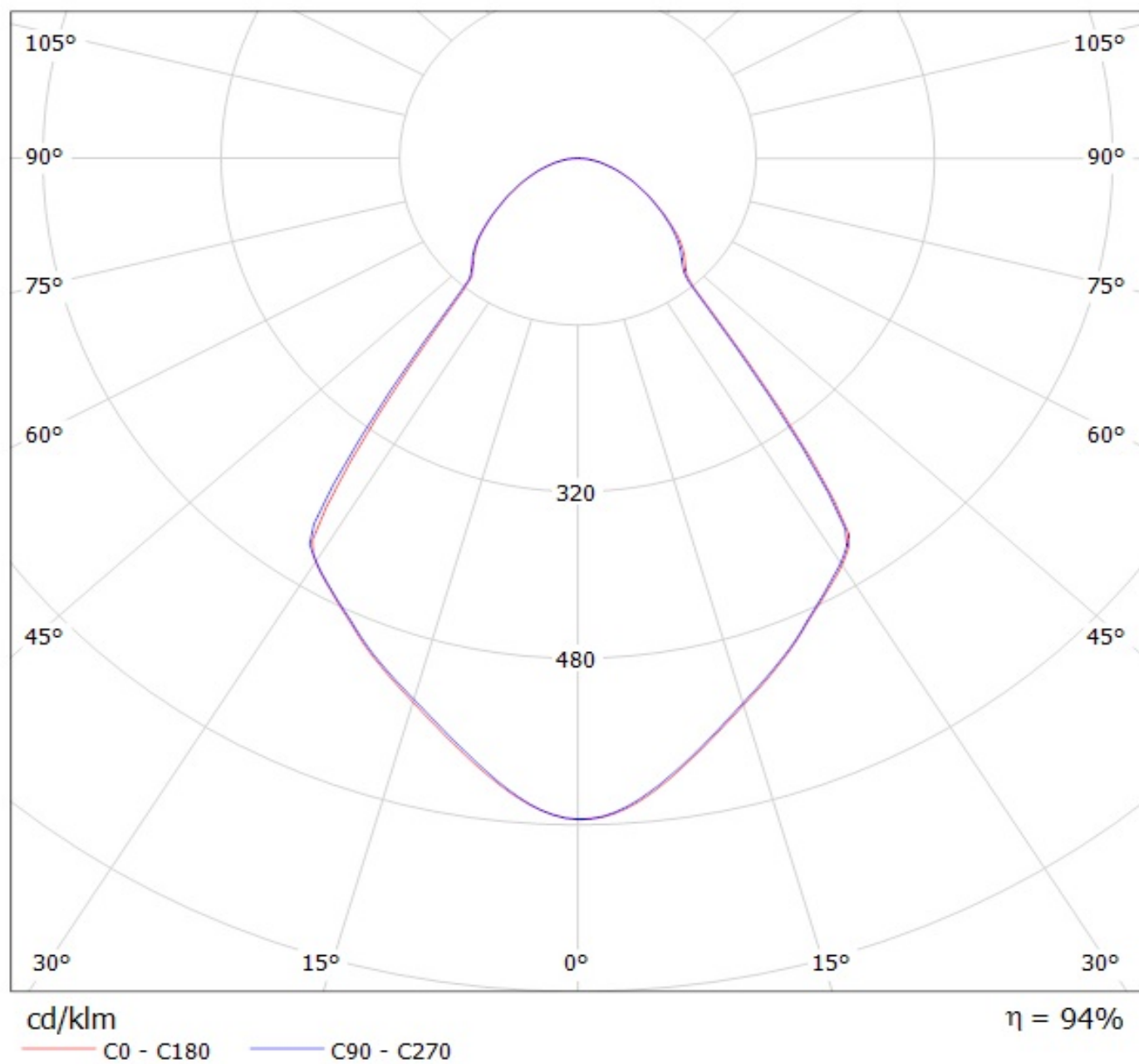


Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CoB_10W) Eff: 94%
Lamps: 1 x LG_CoB_10W_1065.04lm@250mA_P=9.11245W_I=249.8mA



Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(Luxeon_CoB_1208)

Lamps: 1 x Luxeon_CoB_1208_1045.92lm@250mA_P=8.25314W_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.
- 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.