

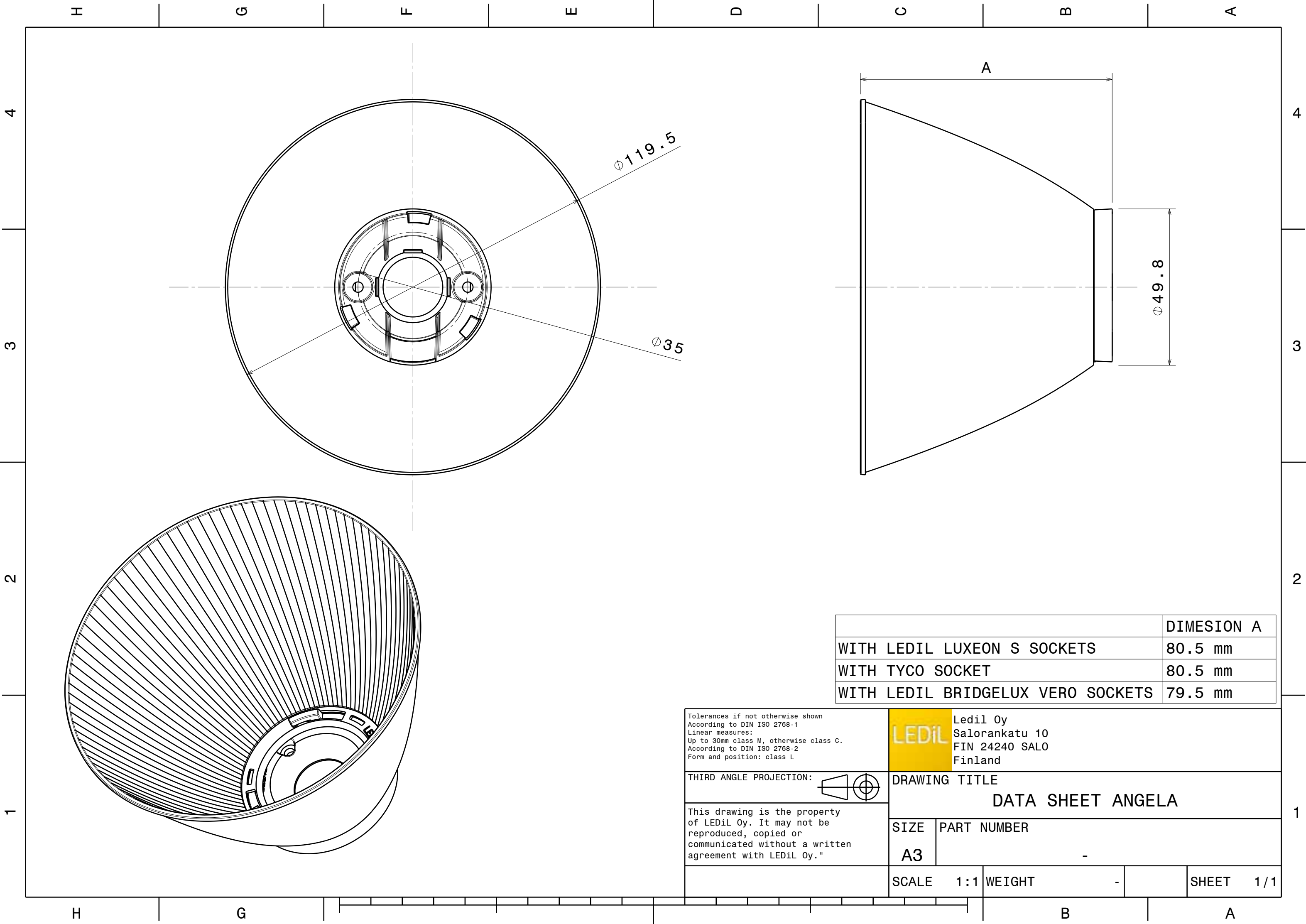
DETAILS

Product Number	F13840_ANGELA-XW
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	13/03/2015

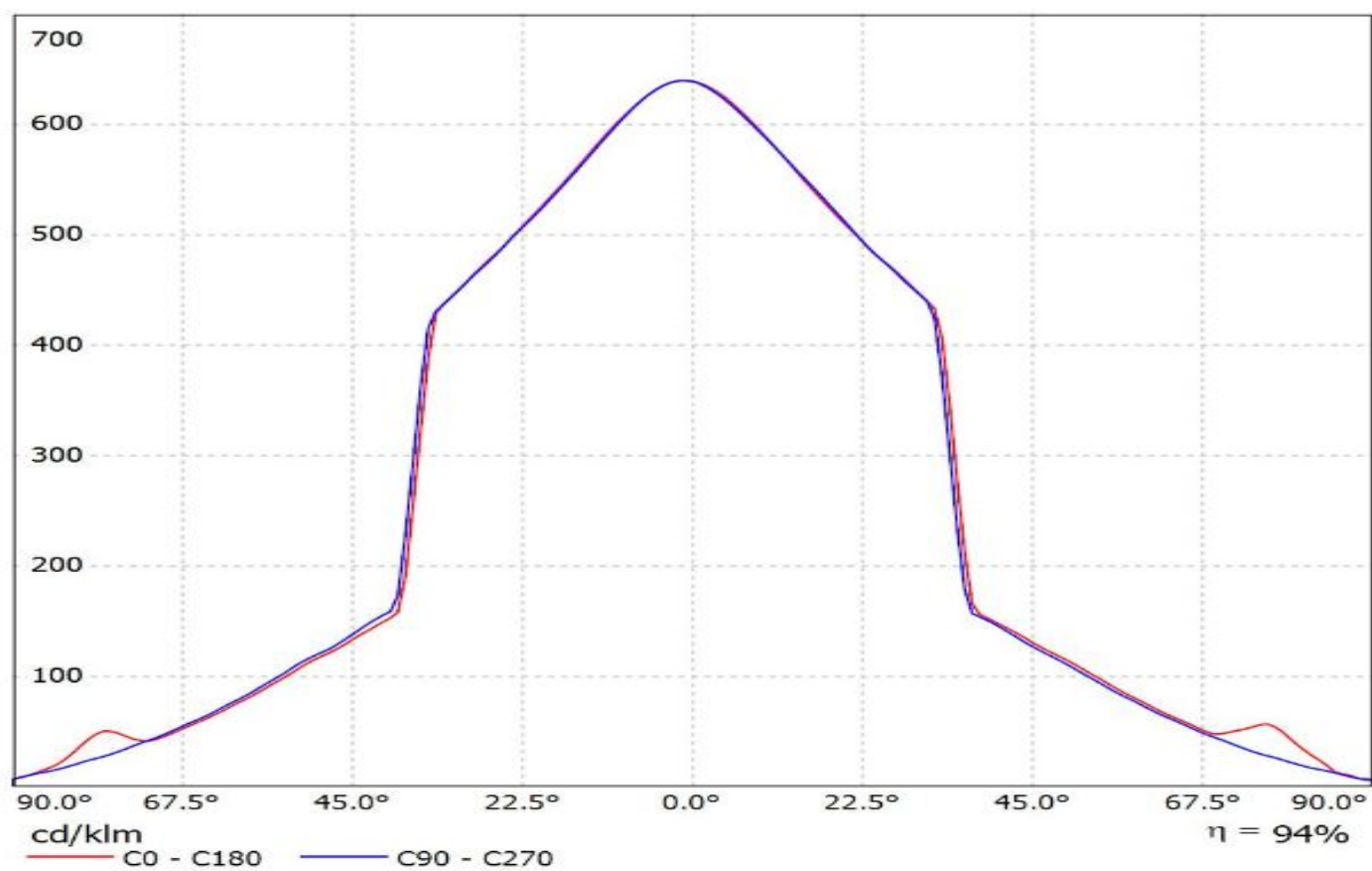


OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
CLU720	70 deg	Wide	94 %	0.640	IDEAL: 50-2103CT + Angela(50-2100AN)
CLL03x/CLU034	70 deg	Wide	93 %	0.700	IDEAL: 50-2103CT + Angela(50-2100AN)
PrevaLED Core Z4 LES19	71 deg	Wide	93 %	0.650	TE: Z50 Optic Clip part nr. 2213194-1
SLE G4 LES23 H	71 deg	Wide	93 %	0.630	TE: Z50 Optic Clip part nr. 2213194-1
LUXEON CoB 1208	71 deg	Wide	93 %	0.600	TE: part nr. 2213130-2 + Z50 Optic Clip part nr. 2213194-1
STARK SLE G3 LES19	71 deg	Wide	93 %	0.600	-
STARK SLE G3 LES23	71 deg	Wide	93 %	0.600	-
CXA/B 3590	72 deg	Wide	94 %	0.610	IDEAL: 50-2303CR + Angela(50-2300AN)
LC026B/LC040B	72 deg	Wide	93 %	0.630	-
Fortimo LED SLM L9 G4 standard	72 deg	Wide	92 %	0.630	TE: Z50 Optic Clip part nr. 2213194-1
Soleriq P13	72 deg	Wide	93 %	0.630	TE: part nr. 2213401-2 + Z50 Optic Clip part nr. 2213194-1
CXM-14	72 deg	Wide	93 %	0.630	TE: part nr 2213254-2 + Z50 Optic Clip part nr. 2213194-1
Fortimo LED SLM L13 G4 standard	72 deg	Wide	93 %	0.630	TE: Z50 Optic Clip part nr. 2213194-1
WU-M-461	72 deg	Wide	92 %	0.600	TE: Z50 Optic Clip part nr. 2213194-1
WU-M-462	72 deg	Wide	92 %	0.600	TE: Z50 Optic Clip part nr. 2213194-1
Fortimo LED SLM L15 G4 standard	72 deg	Wide	93 %	0.630	TE: Z50 Optic Clip part nr. 2213194-1
Fortimo LED SLM L19 G4 standard	72 deg	Wide	92 %	0.620	TE: Z50 Optic Clip part nr. 2213194-1
CLU720	72 deg	Wide	93 %	0.620	TE: part nr. 2213254-2 + Z50 Optic Clip part nr. 2213194-1
LUXEON CoB 1204/1205	72 deg	Wide	93 %	0.600	-
SLE G4 LES19 H	72 deg	Wide	92 %	0.620	TE: Z50 Optic Clip part nr. 2213194-1
Soleriq S13	72 deg	Wide	93 %	0.630	TE: part nr. 2213401-2 + Z50 Optic Clip part nr. 2213194-1
Soleriq S19	72 deg	Wide	92 %	0.630	TE: part nr. 2213407-2 + Z50 Optic Clip part nr. 2213194-1
WU-M-484	73 deg	Wide	92 %	0.608	TE: Z50 Optic Clip part nr. 2213194-1
WU-M-485	73 deg	Wide	92 %	0.600	TE: Z50 Optic Clip part nr. 2213194-1
WU-M-486	73 deg	Wide	92 %	0.600	TE: Z50 Optic Clip part nr. 2213194-1

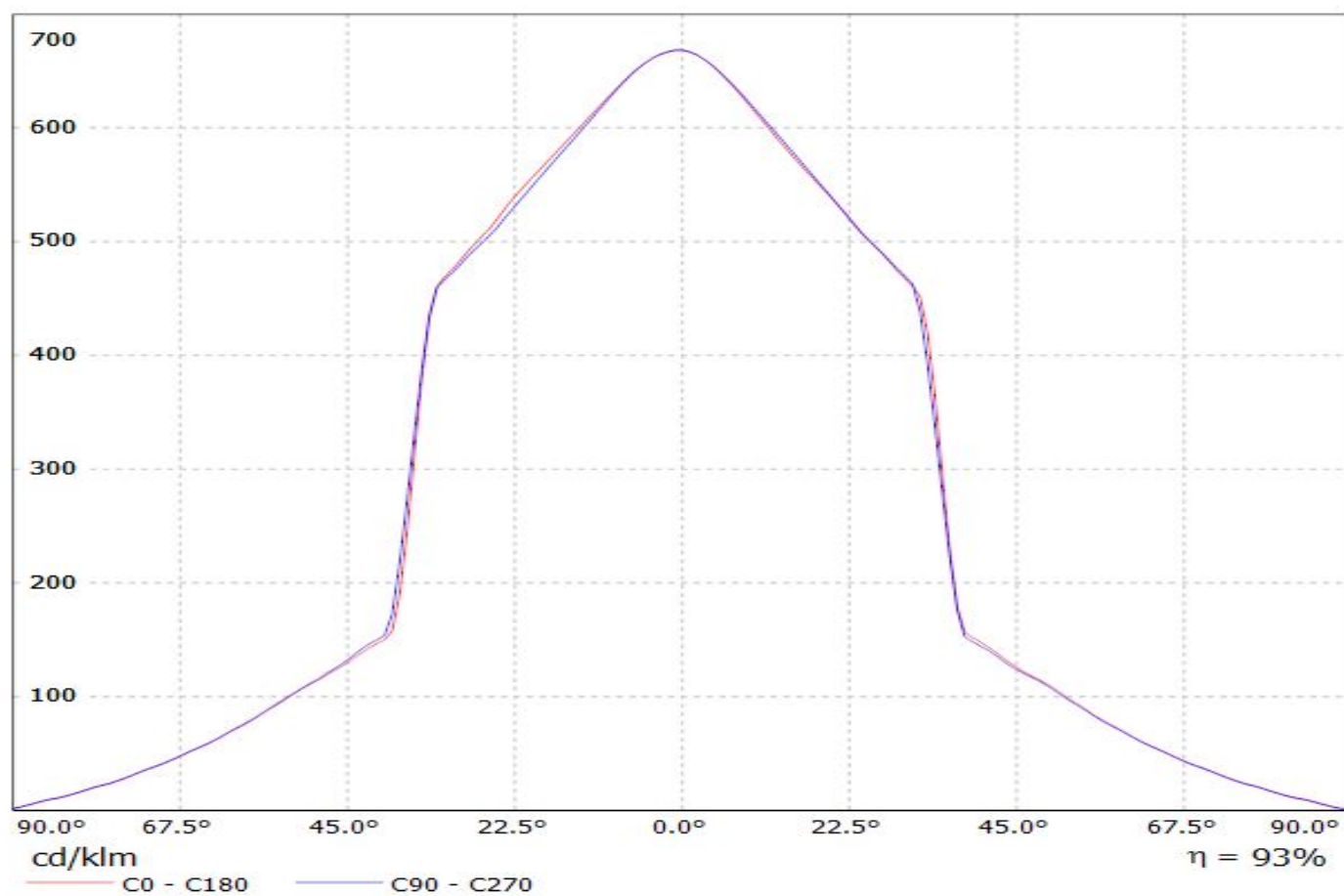


Luminaire: Ledil F13840_ANGELA-XW_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1337.27lm@250mA_CCT=2700K_P=8.35W_I=0.25A



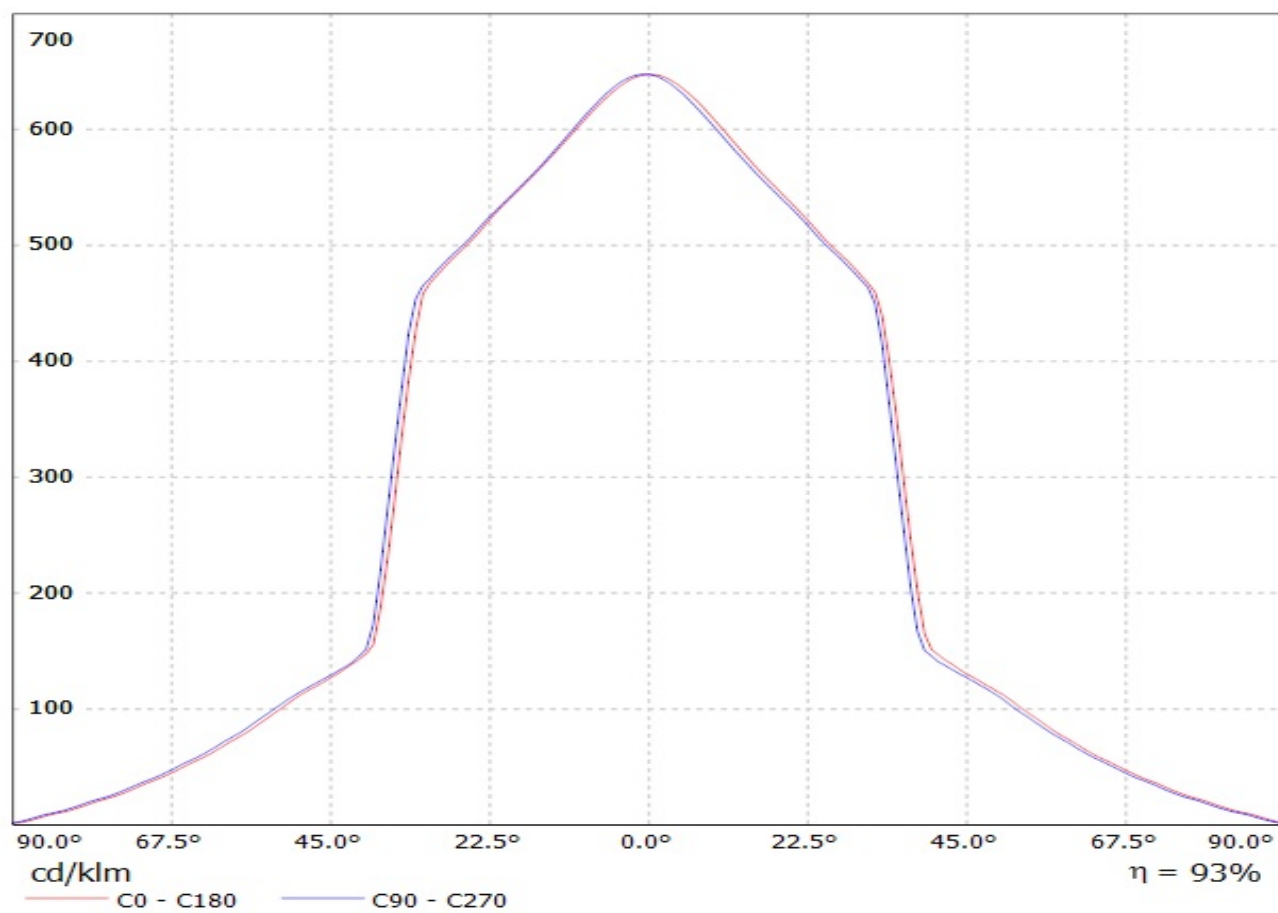
Luminaire: LEDiL Oy F13840_ANGELA-XW_(CLL030)

Lamps: 1 x Citizen_CLL030_(CLL030-1206A1-303M1A2)_971.531lm@250mA_P=8.42026W_I=249.8mA



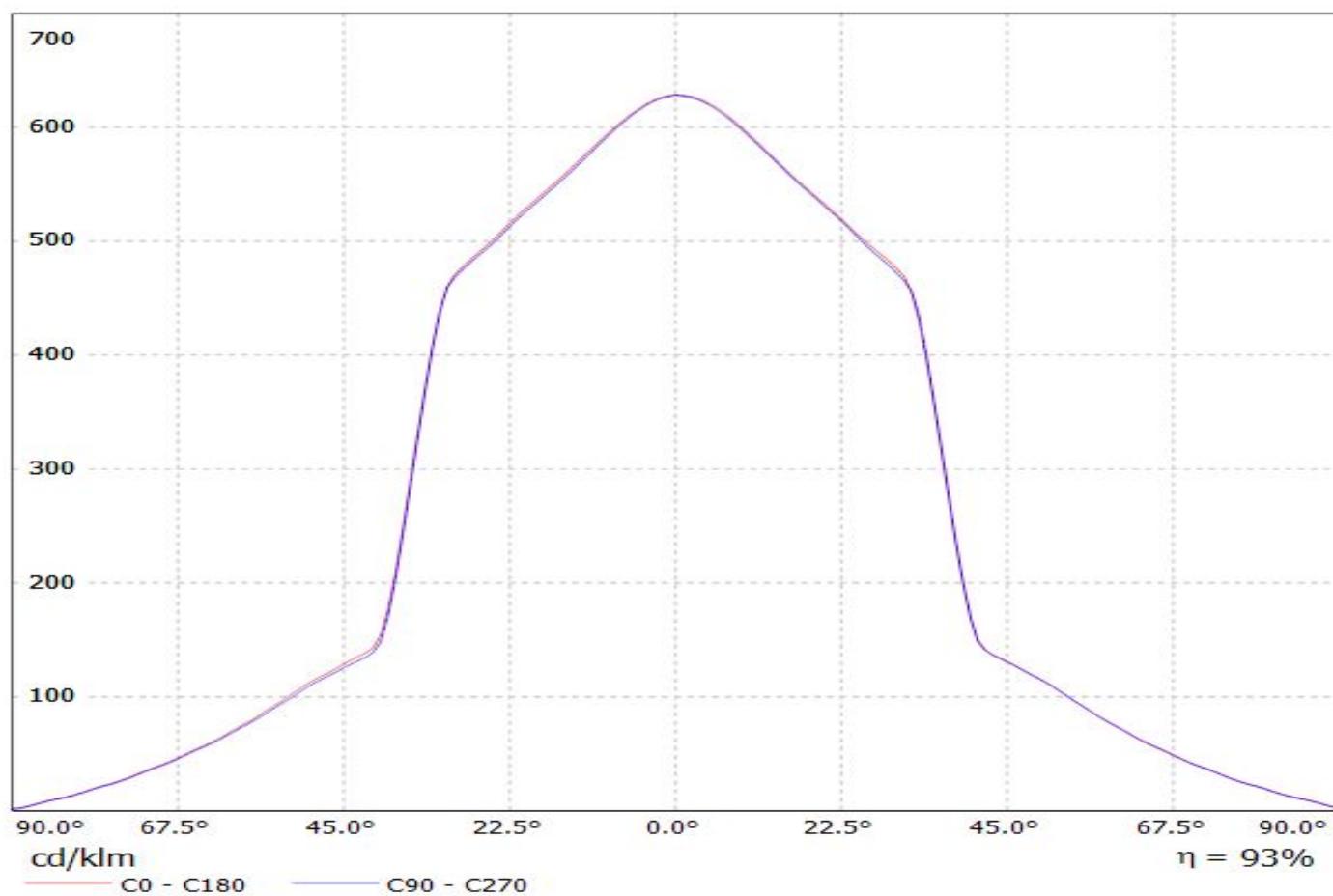
Luminaire: LEDiL Oy F13840_ANGELA-XW_(PrevaLED_Z4) Eff: 93%

Lamps: 1 x Osram_PrevaLED_CORE_Z4_(PL-CORE-3000-830-Z4)_1423.93lm@250mA_P=10.7652W_I=249.9mA

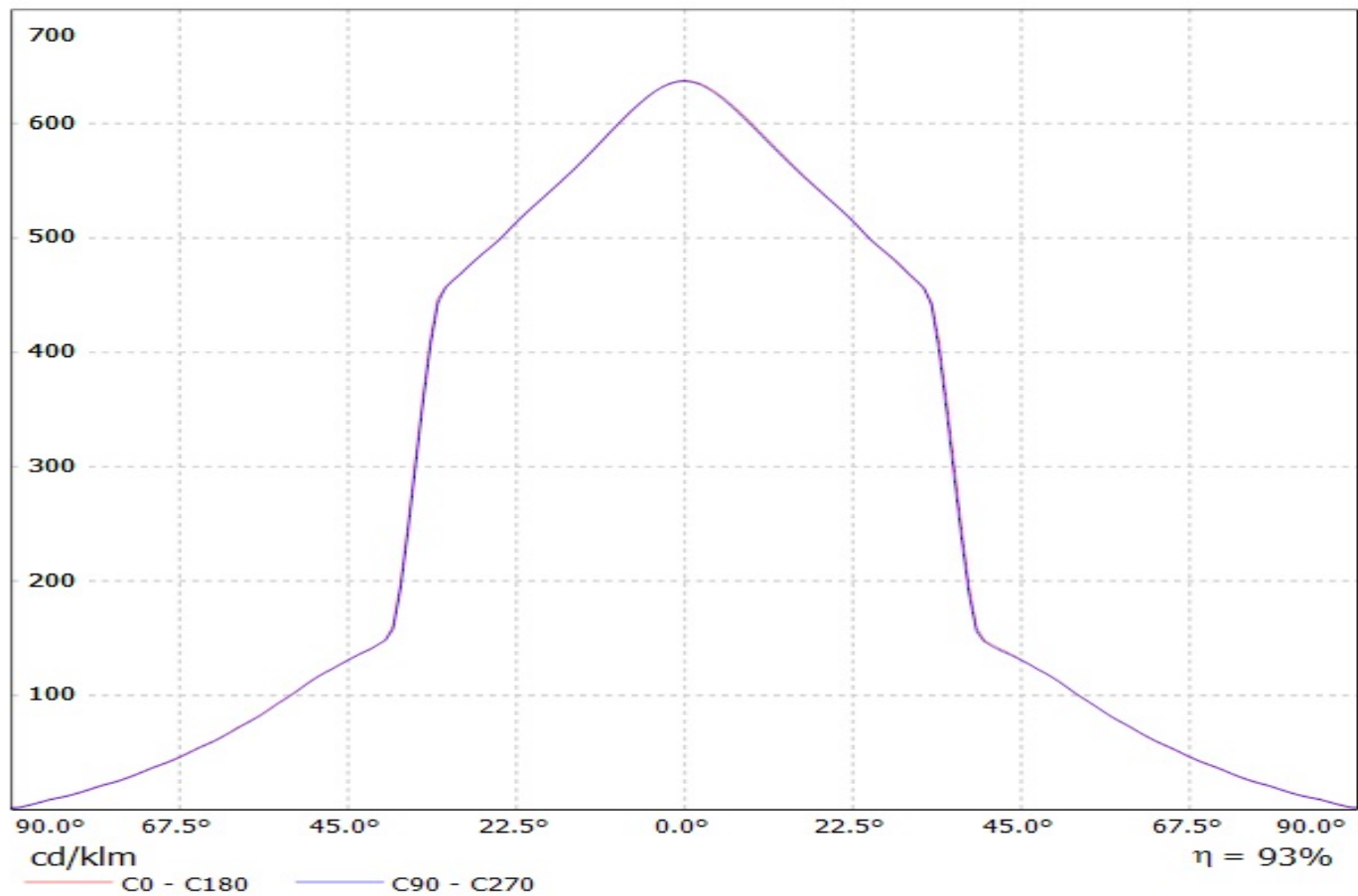


Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLE_G4_LES23)

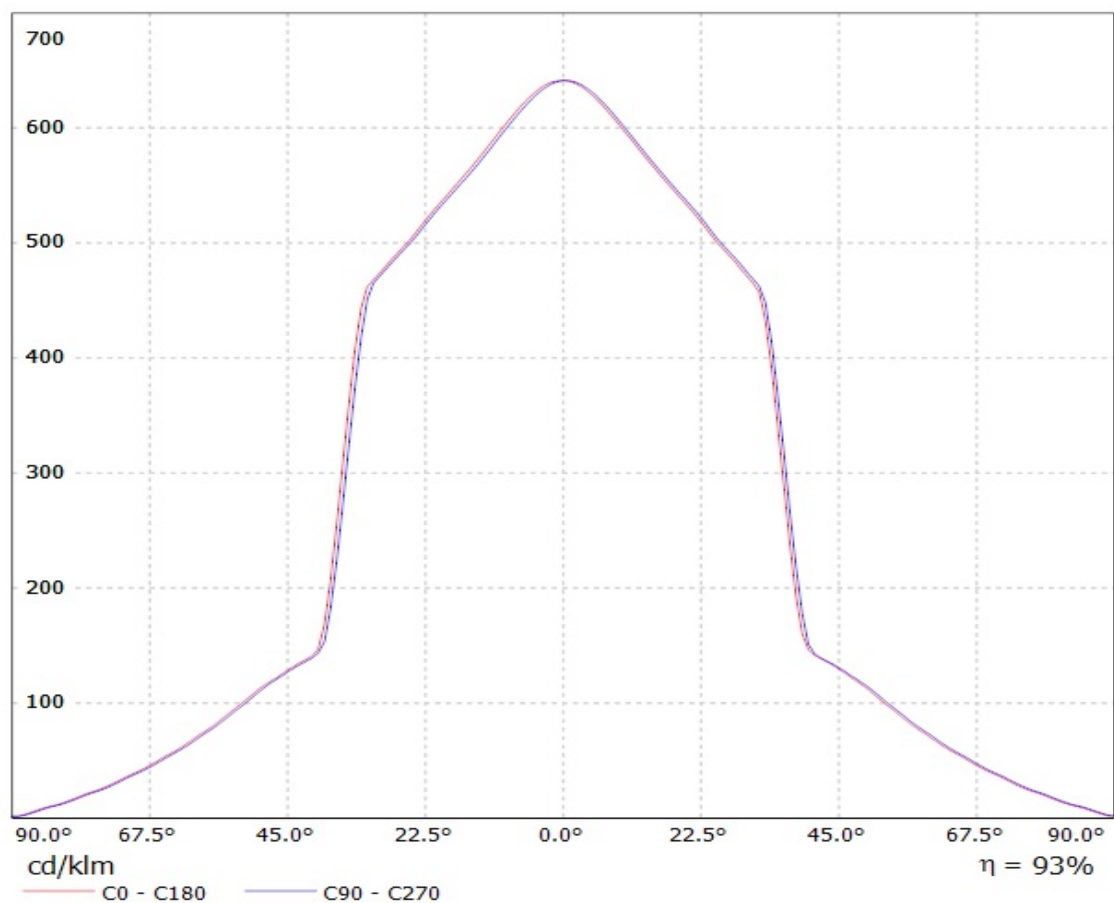
Lamps: 1 x Tridonic_SLE_G4_LES23_1354.57lm@250mA_P=8.18744W_I=0.2498A



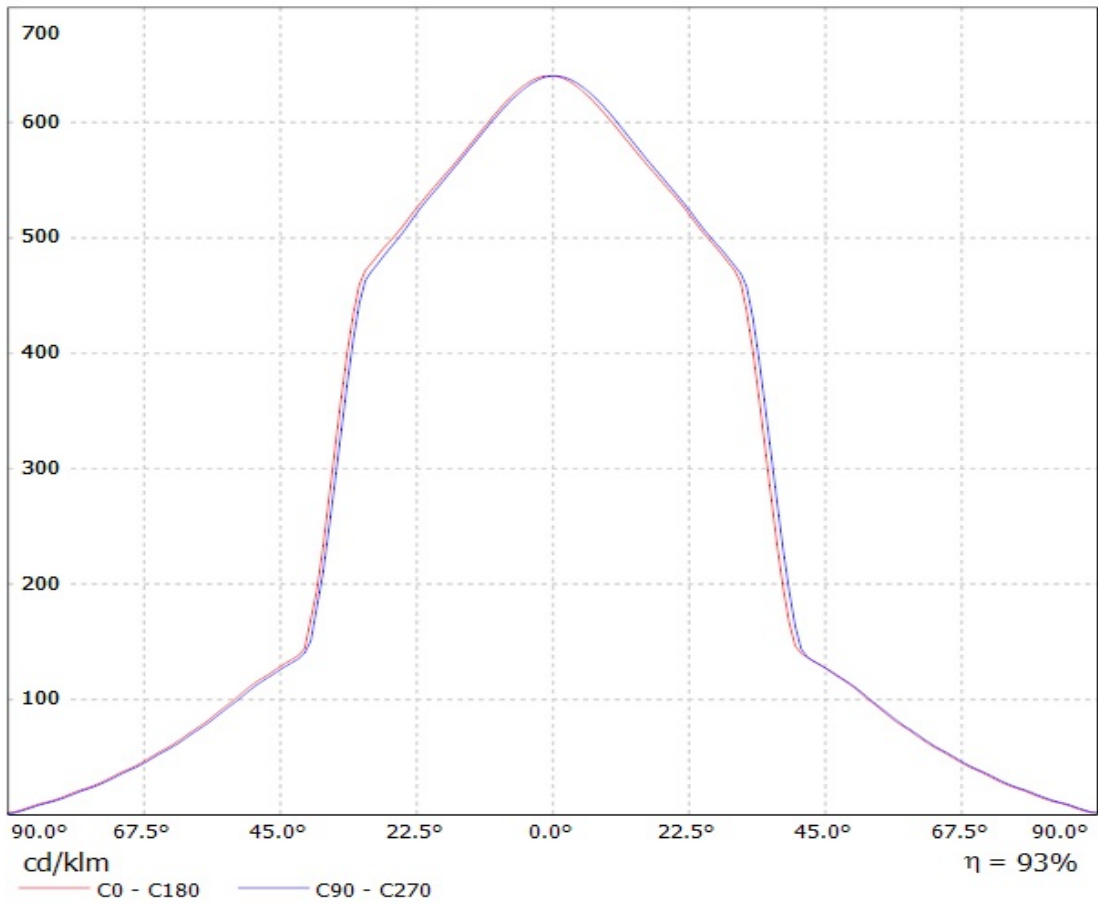
Luminaire: LEDiL Oy F13840_ANGELA-XW_(COB_1208) Eff: 93%
Lamps: 1 x Luxeon_COB_1208_1037.85lm@250mA_P=8.27294W_I=249.9mA



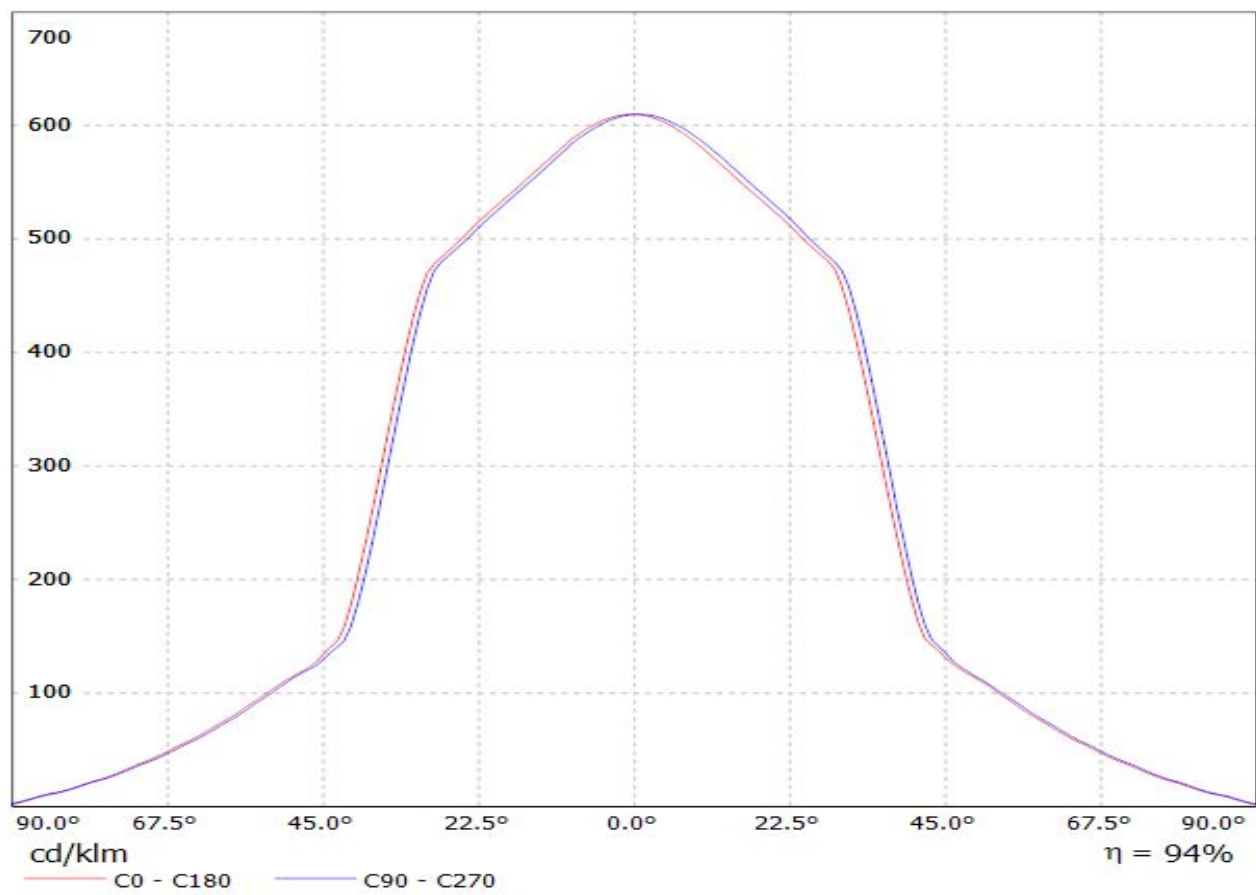
Luminaire: LEDiL Oy F13840_ANGELA-XW_(STARK_SLE_G3_LES19) Eff: 93%
Lamps: 1 x Tridonic_Stark_SLE_G3_LES19_(Stark-SLE-PURE-G3-19-2000-840-CLA)_1047.27lm@250mA_P=8.3639W_I=249.9mA



Luminaire: LEDiL Oy F13840_ANGELA-XW_(Stark_SLE_G3_LES23) Eff: 93%
Lamps: 1 x Tridonic_Stark_SLE_G3_LES23_(Stark-SLE-PURE-G3-23-3000-930-SEL)_796.507lm@250mA_P=8.2472W_I=249.9mA

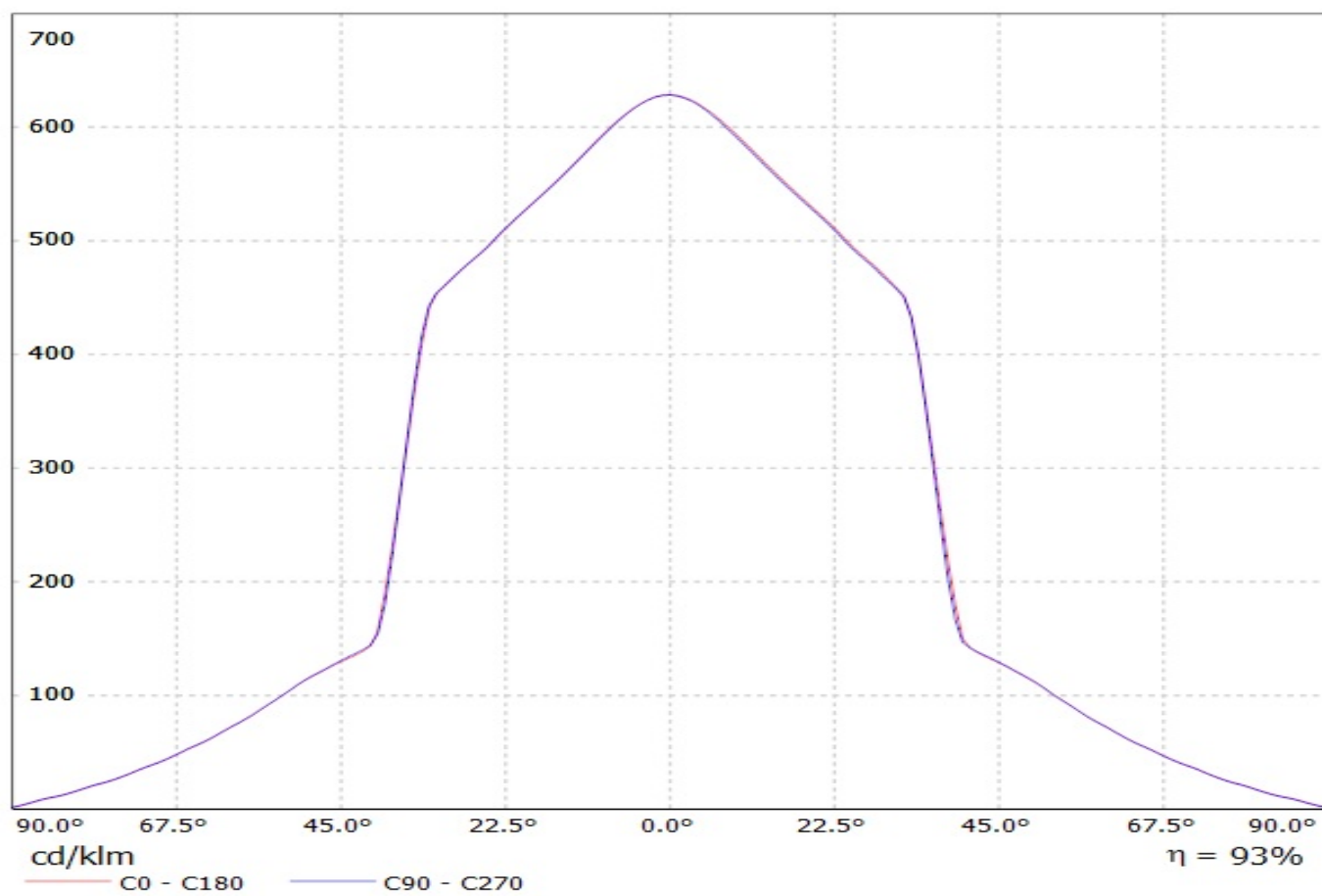


Luminaire: LEDiL Oy F13840_ANGELA-XW_(CXA3590)
Lamps: 1 x CREE_CXA3590_(CXA3590-30F-BD-R0H-0002)_2640.14lm@250mA_CCT=3000K_P=16.3941W_I=249.1

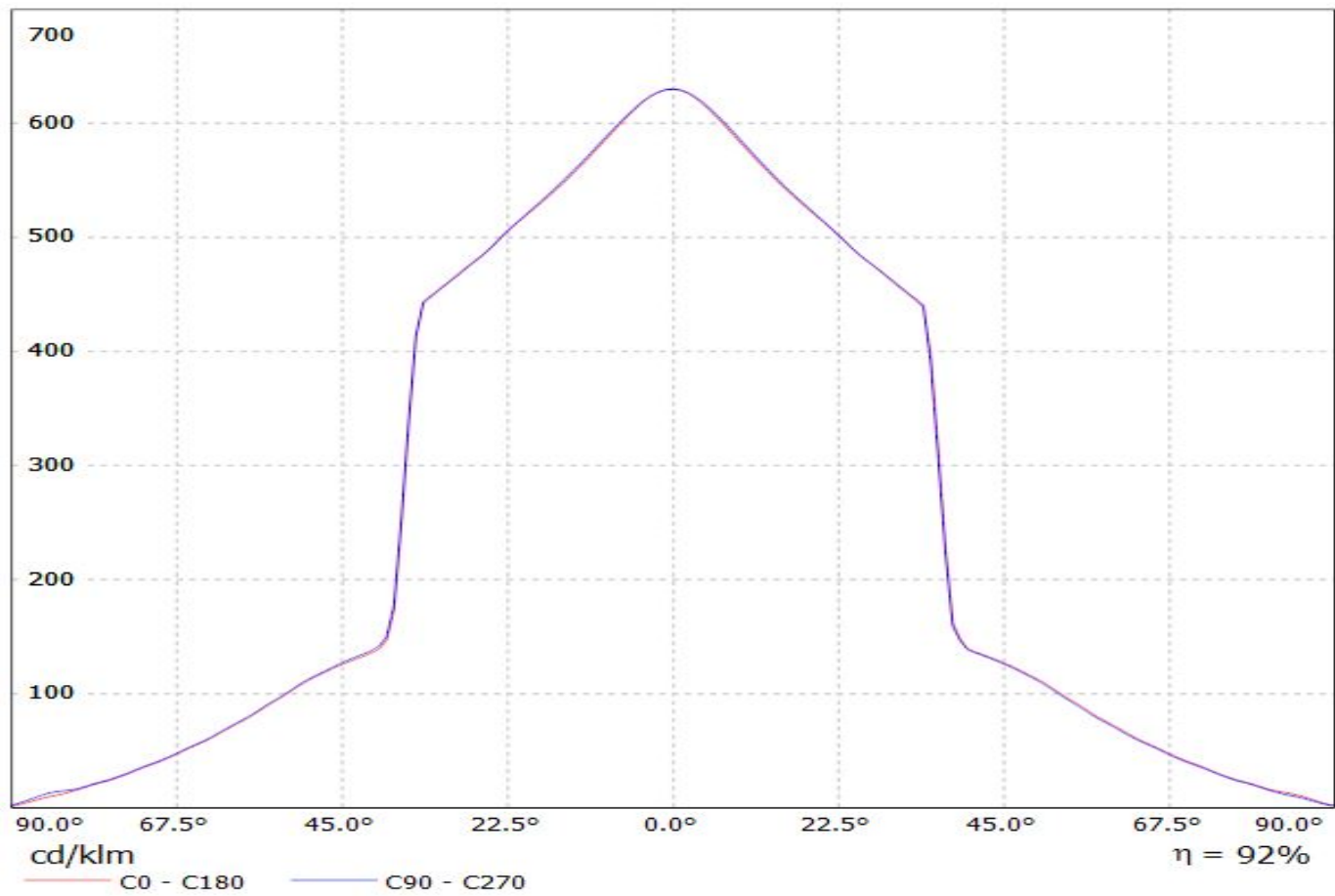


Luminaire: LEDiL Oy F13840_ANGELA-XW_(LC026B)

Lamps: 1 x Samsung_LC026B_(SPHWW1HDNC25YHV52F)_1131.32lm@250lm_P=8.28162W_I=249.8mA

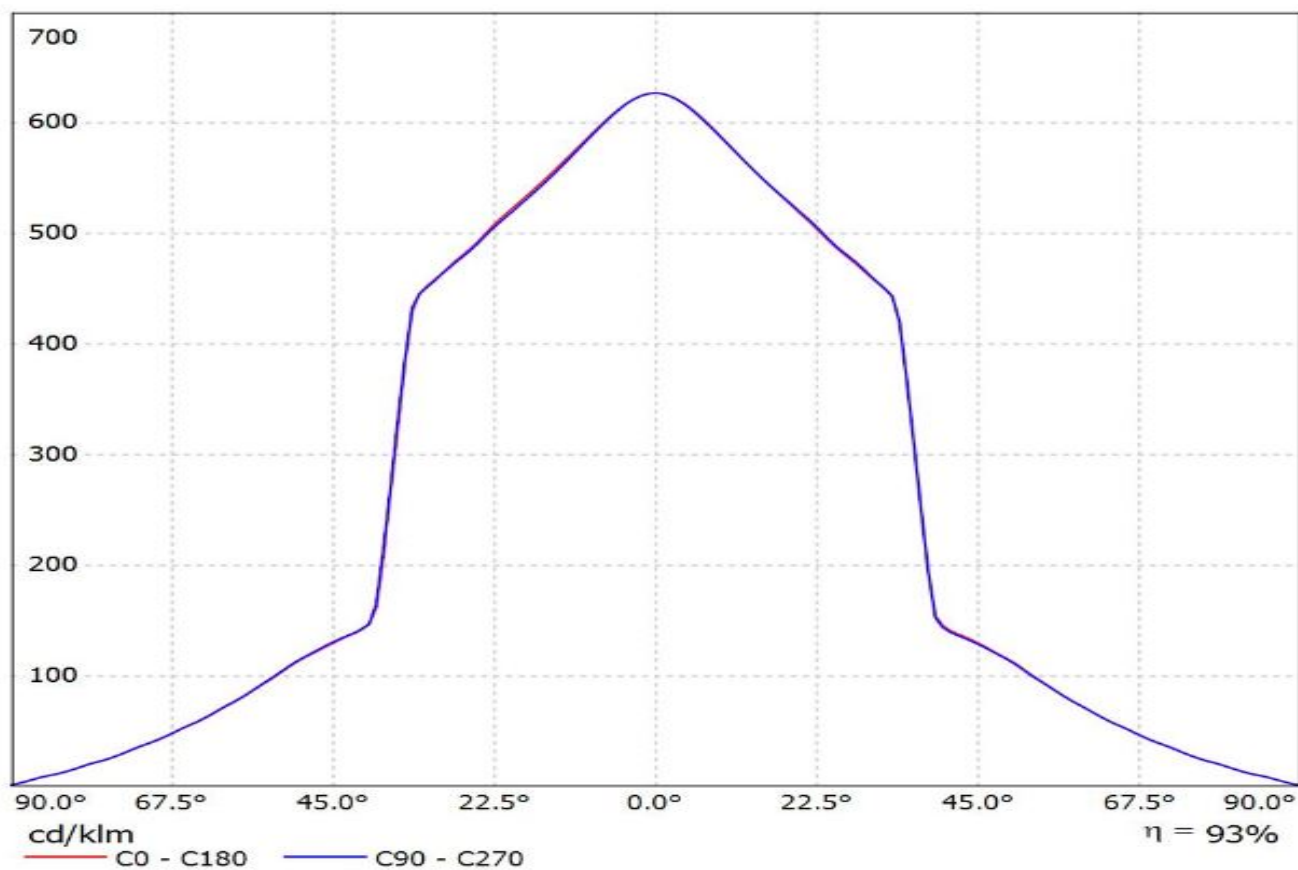


Luminaire: LEDiL Oy F13840_ANGELA-XW_(Fortimo LED SLM 1100 lm 830 L9 G4)
Lamps: 1 x Fortimo LED SLM 1100 lm 830 L9 G4_1021.27lm@250mA_P=9.2431W_I=0.2498A

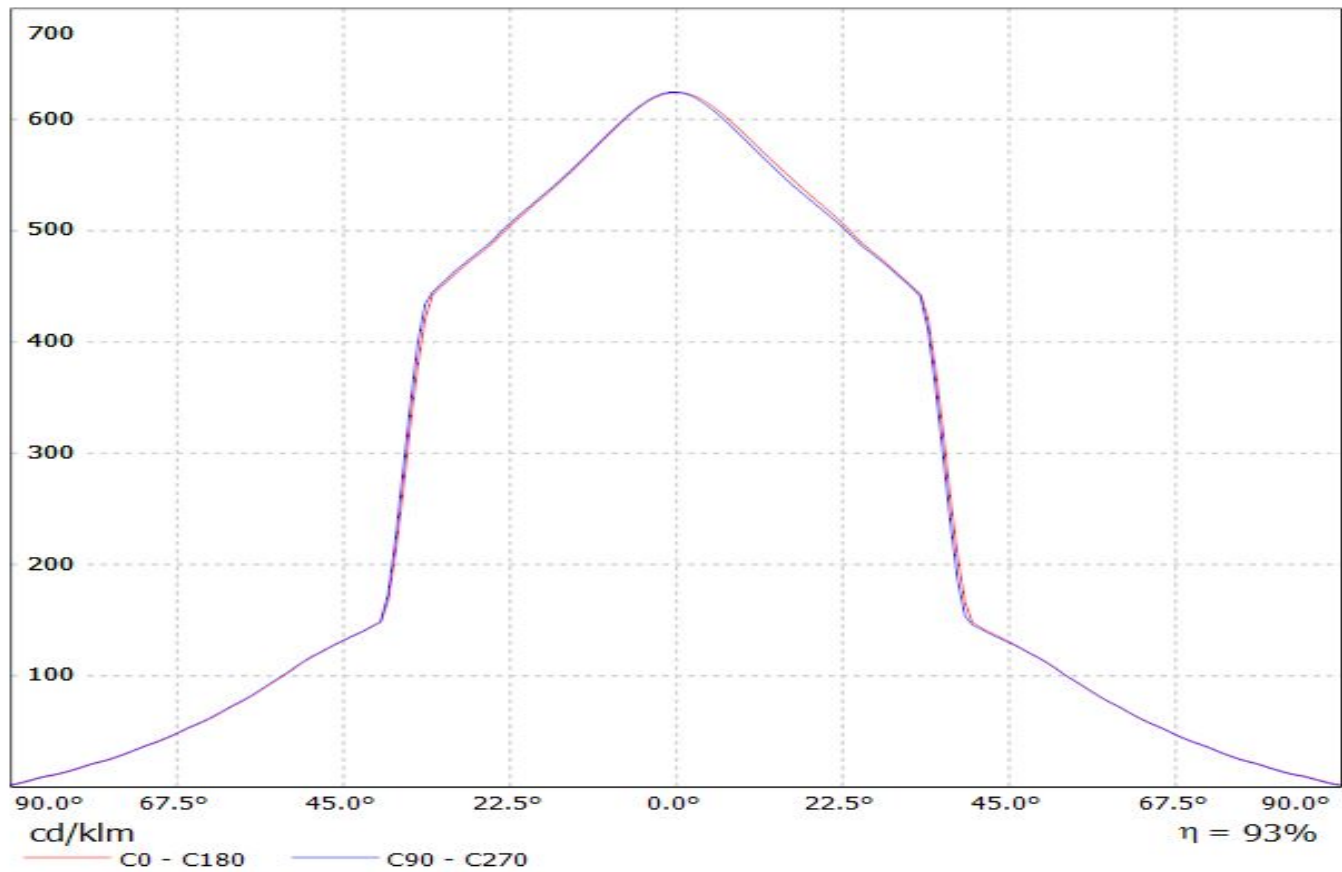


Luminaire: LEDiL Oy F13840_ANGELA-XW_(SOLERIQ_P13)

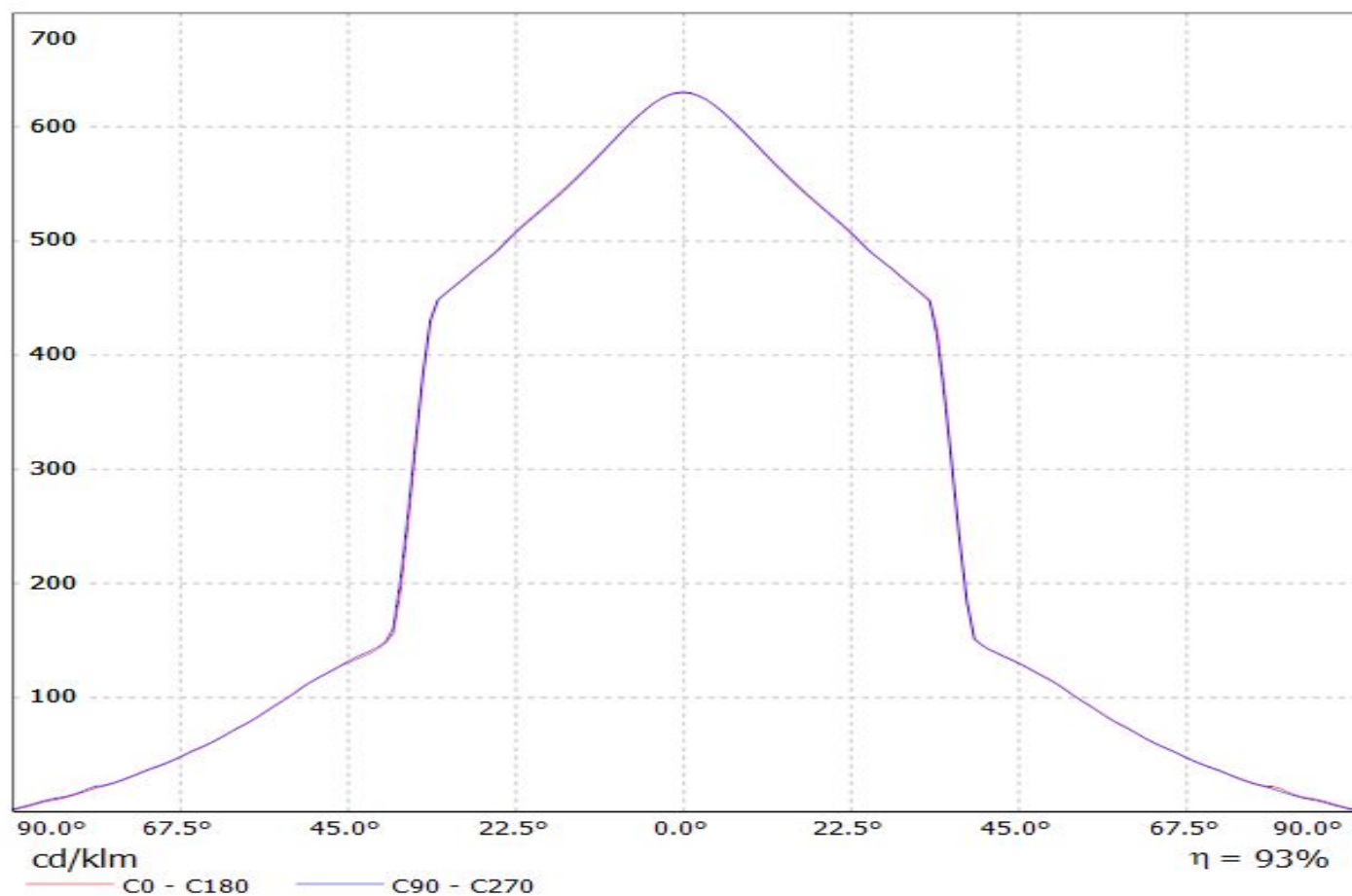
Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_1038.25lm@250mA_CCT=3000K_P=8.77223W_I=249.8mA



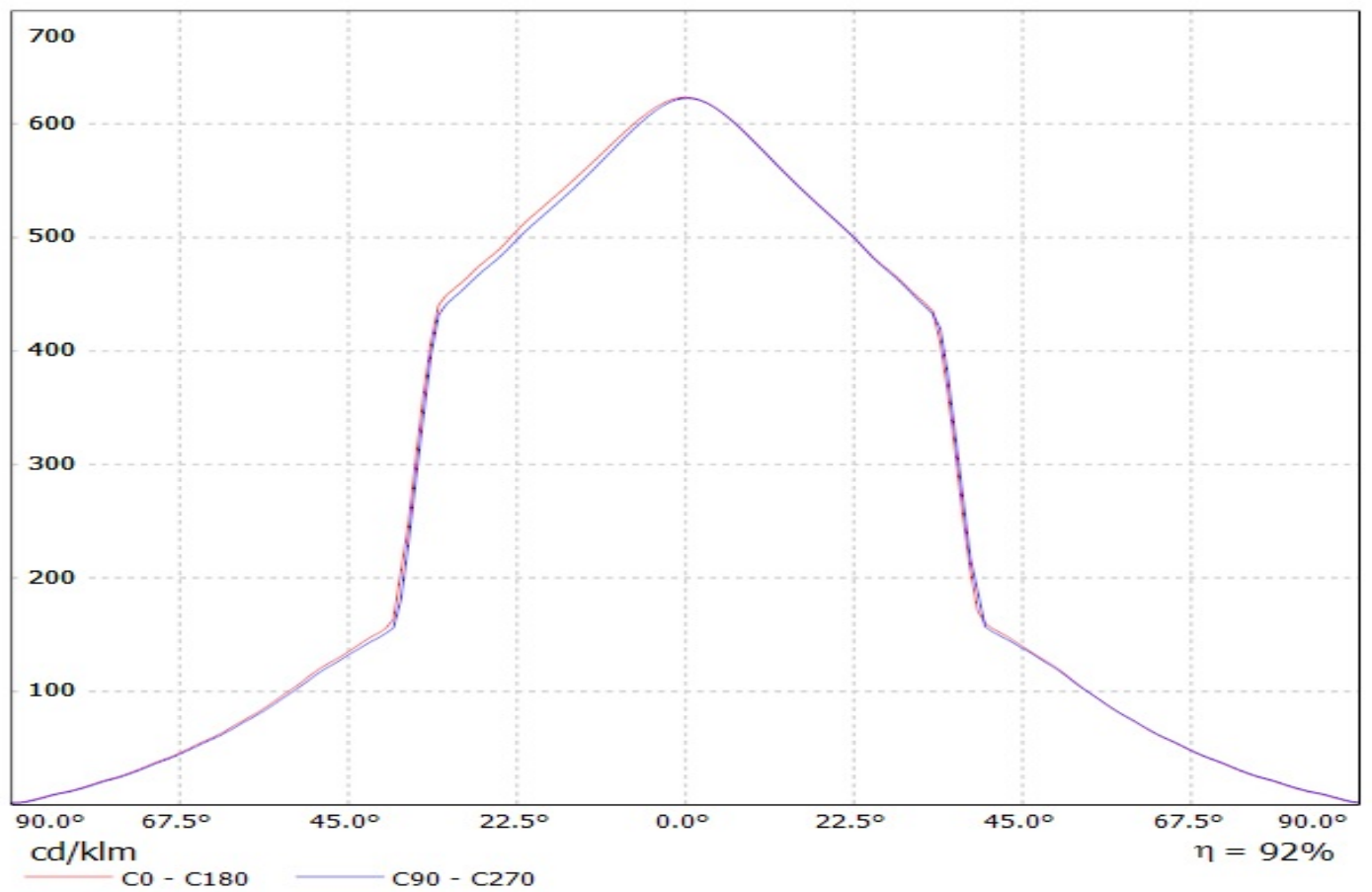
Luminaire: LEDiL Oy F13840_ANGELA-XW_(CXM-14)
Lamps: 1 x LUMINUS_CXM-14_1114.36lm@250mA_P=8.36106W_I=249.8mA



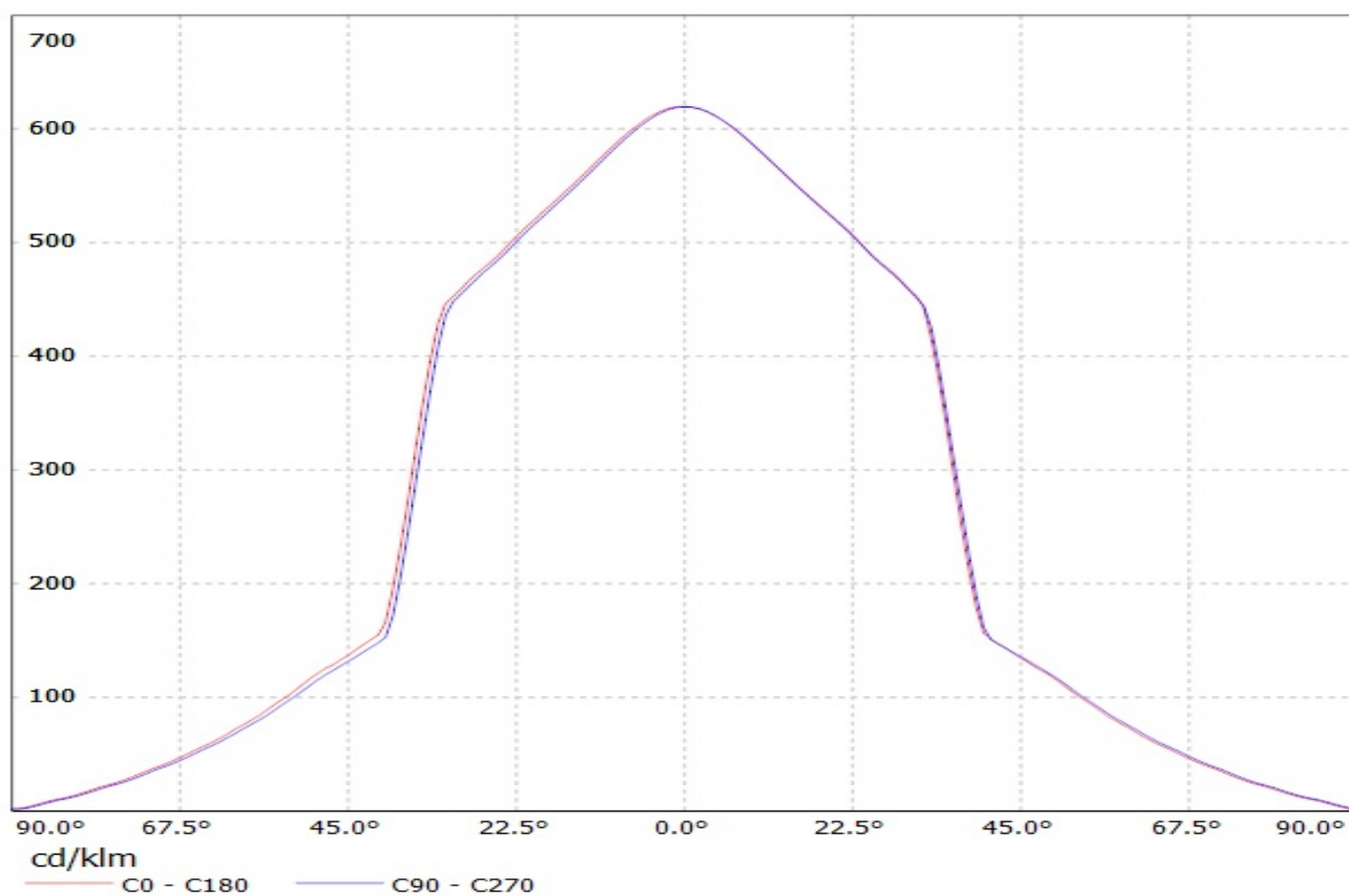
Luminaire: LEDiL Oy F13840_ANGELA-XW_(Fortimo LED SLM L13 G4)
Lamps: 1 x Fortimo LED SLM L13 G4_1030.19lm@250mA_P=8.38104W_I=0.2498A



Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-461) Eff: 92%
Lamps: 1 x Vossloh_WU-M-461_(WU-M-461-827)_775.523lm@250mA_P=6.28474W_I=249.9mA

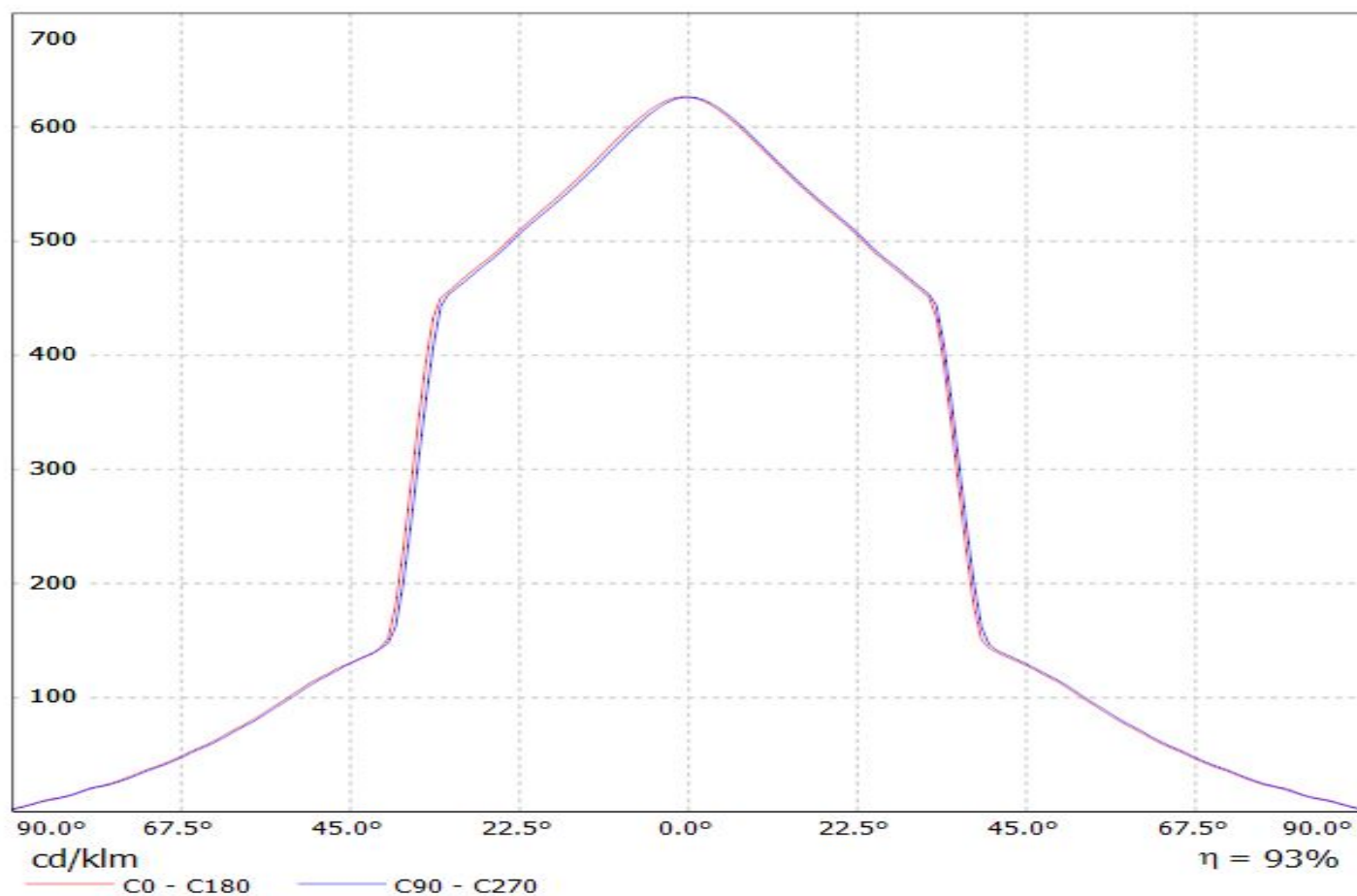


Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-462) Eff: 92%
Lamps: 1 x Vossloh_WU-M-462_(WU-M-462-827)_1123.54lm@250mA_P=9.02089W_I=249.9mA

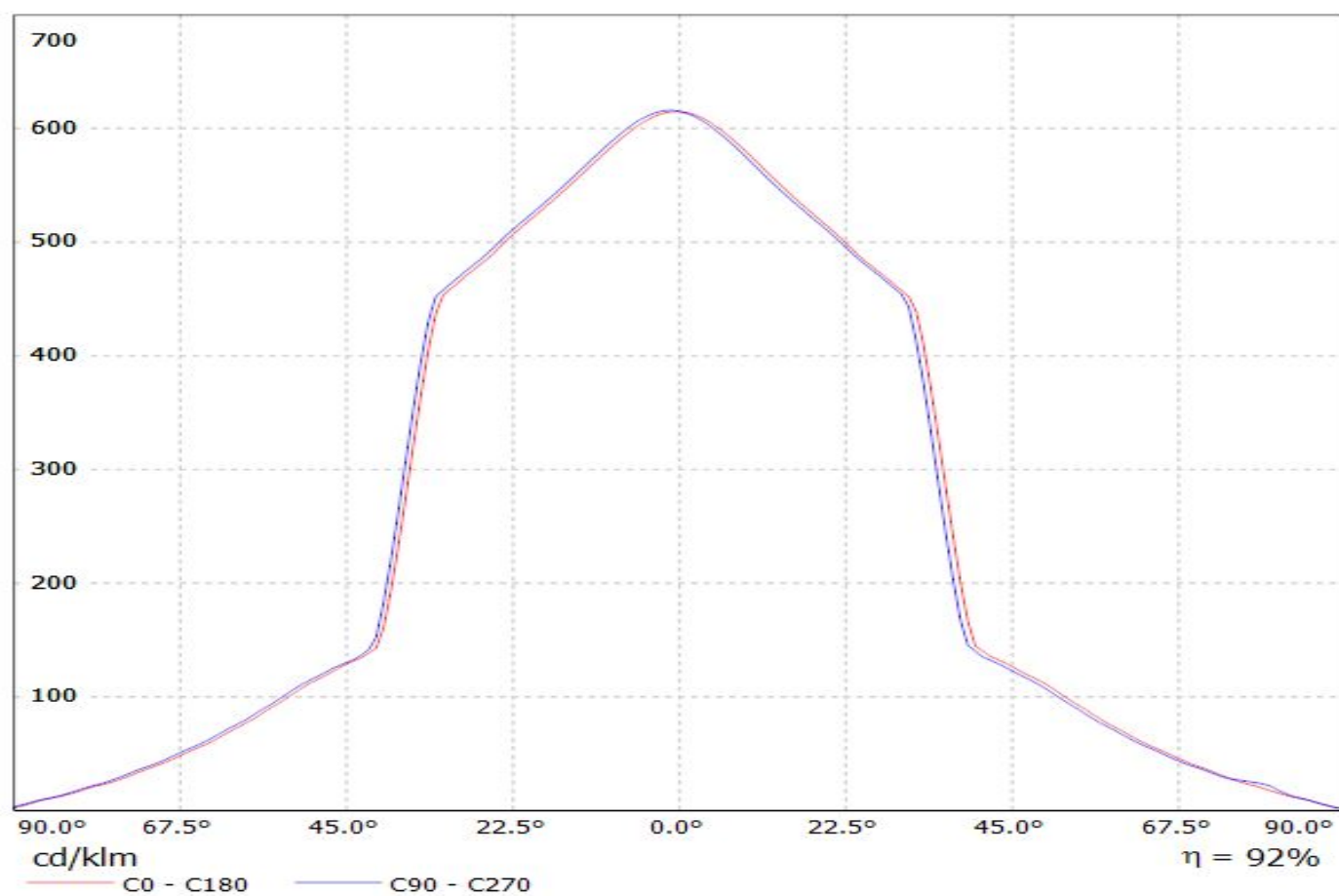


Luminaire: LEDiL Oy F13840_ANGELA-XW_(Fortimo LED SLM L15 G4)

Lamps: 1 x Fortimo LED SLM L15 G4_1116.47lm@250mA_P=8.21168W_I=0.2498A

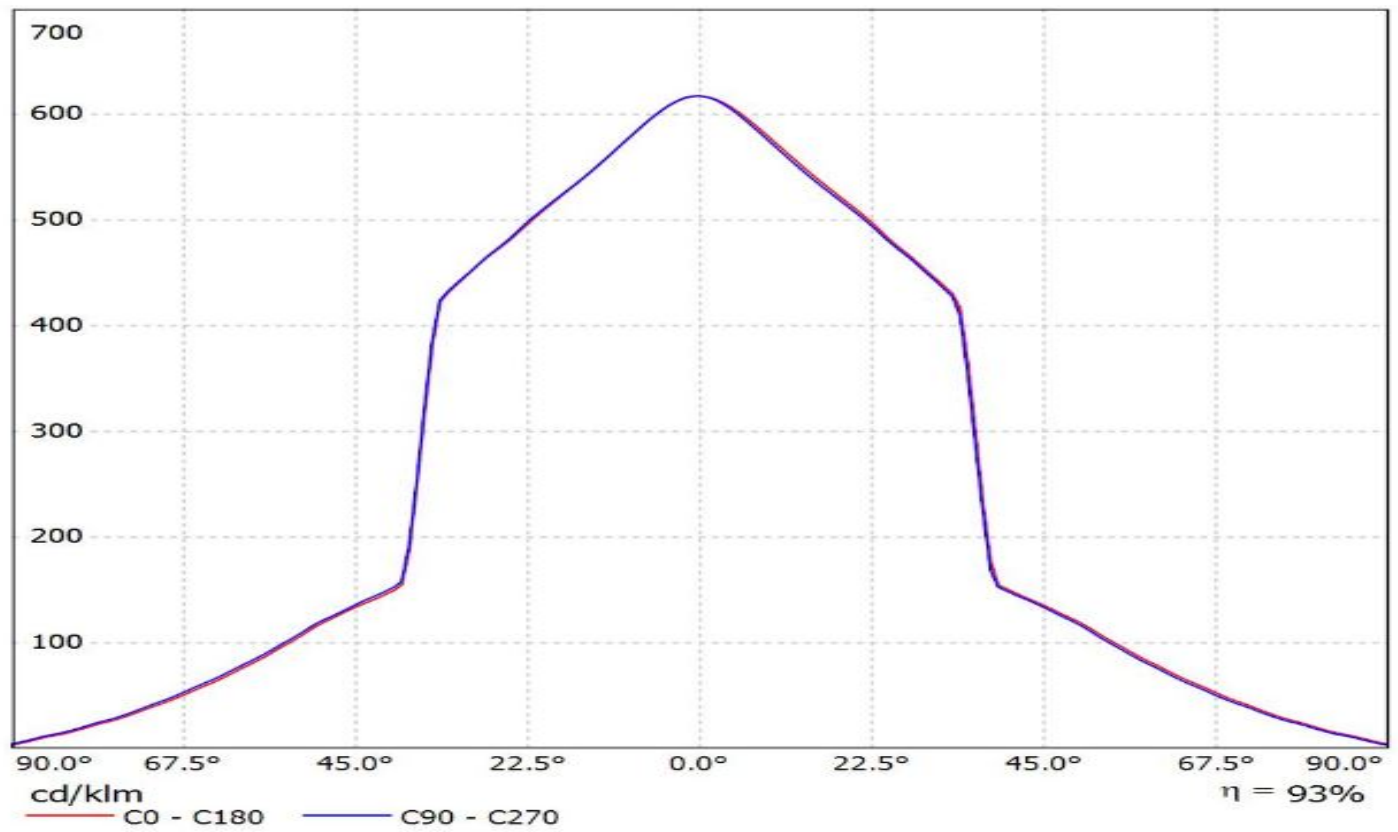


Luminaire: LEDiL Oy F13840_ANGELA-XW_(Fortimo LED SLM L19 G4)
Lamps: 1 x Fortimo LED SLM L19 G4_1114.89lm@250mA_P=8.04906W_I=0.2498A

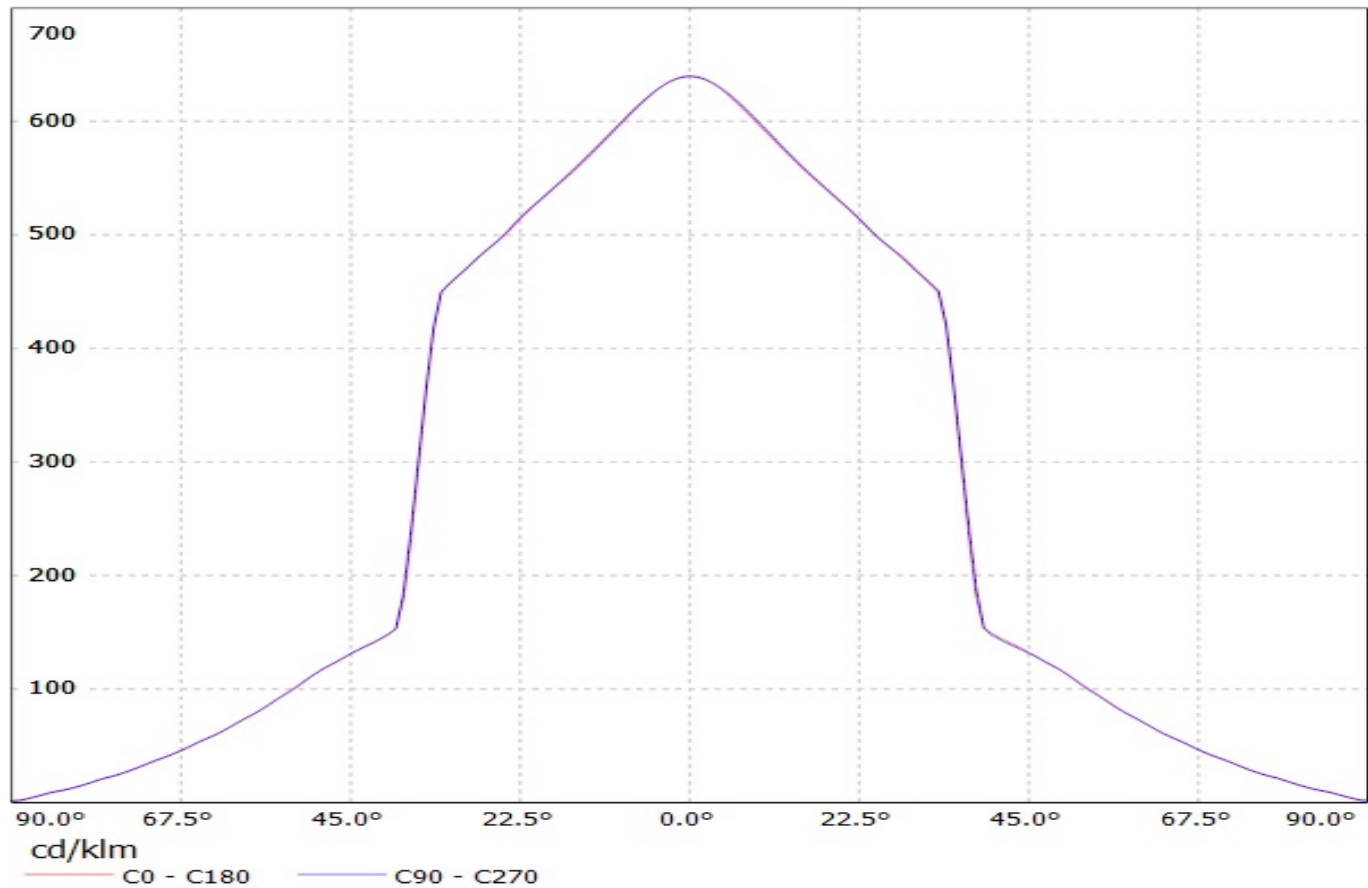


Ledil F13840_ANGELA-XW_(CLU720) / LDC (Linear)

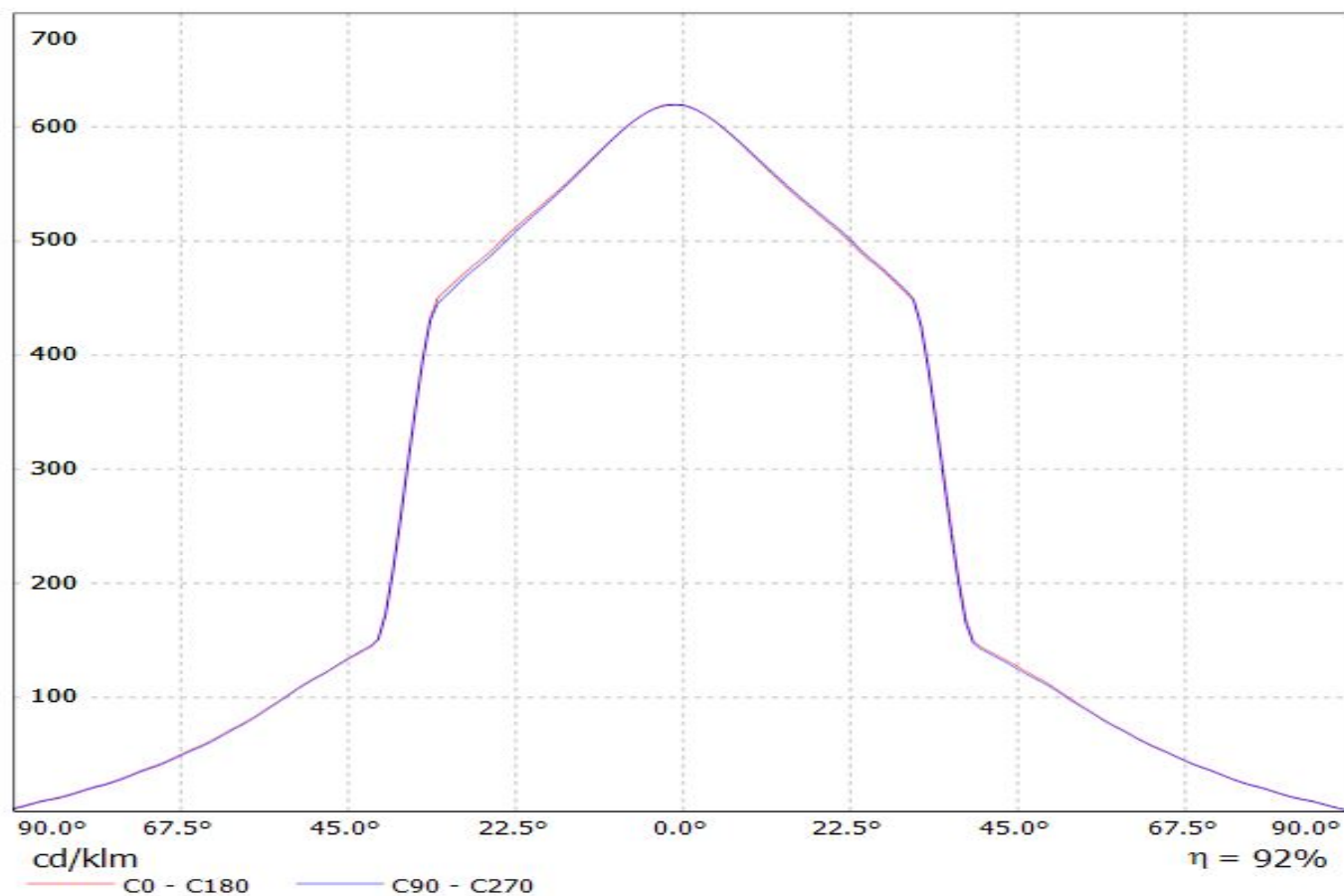
Luminaire: Ledil F13840_ANGELA-XW_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1344.79lm@250mA_CCT=2700K_P=8.35W_I=0.25A



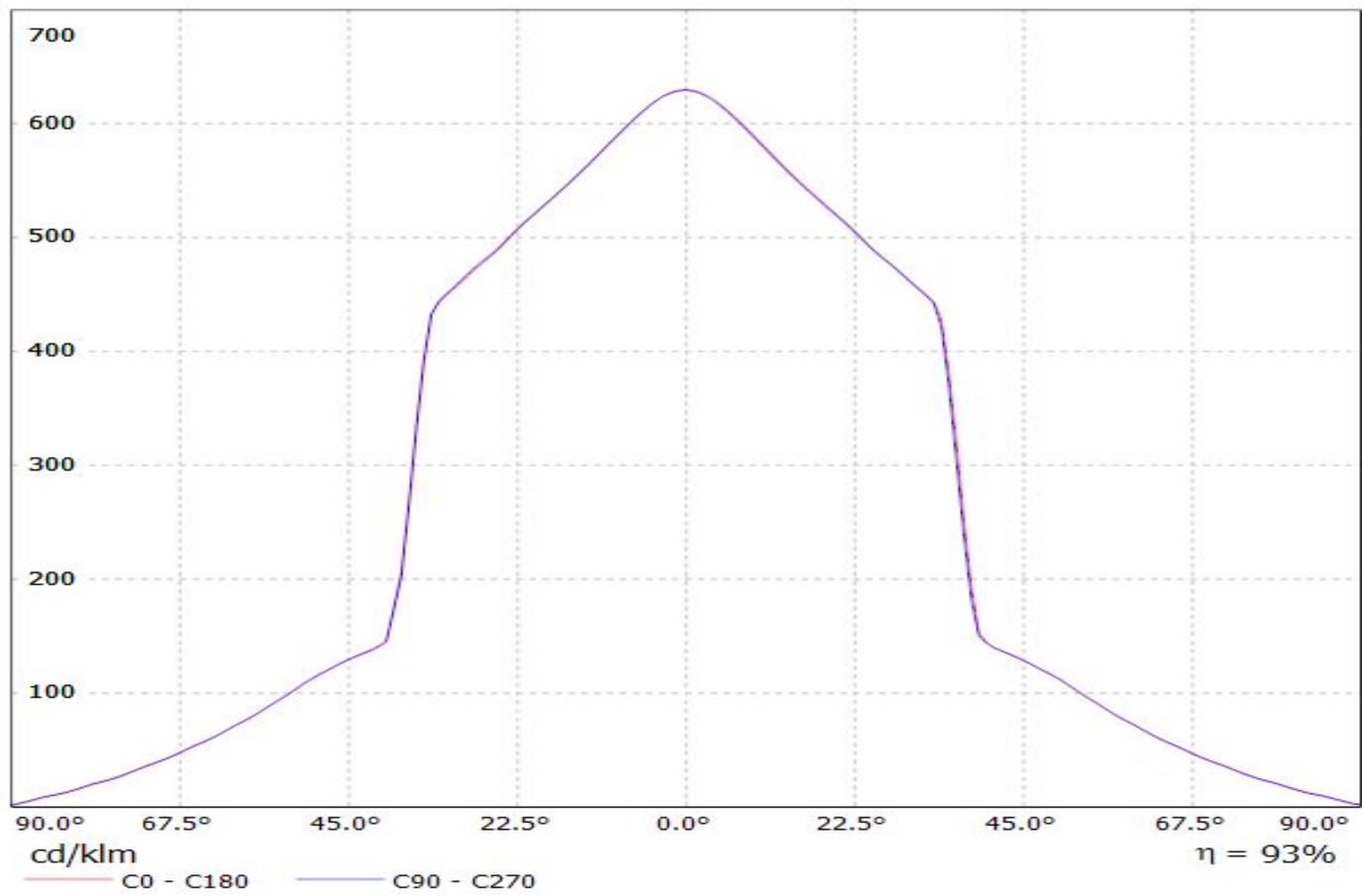
Luminaire: LEDiL Oy F13840_ANGELA-XW_(COB_1205) Eff: 93%
Lamps: 1 x Luxeon_COB_1205_1088.09lm@250mA_P=8.32942W_I=249.9mA



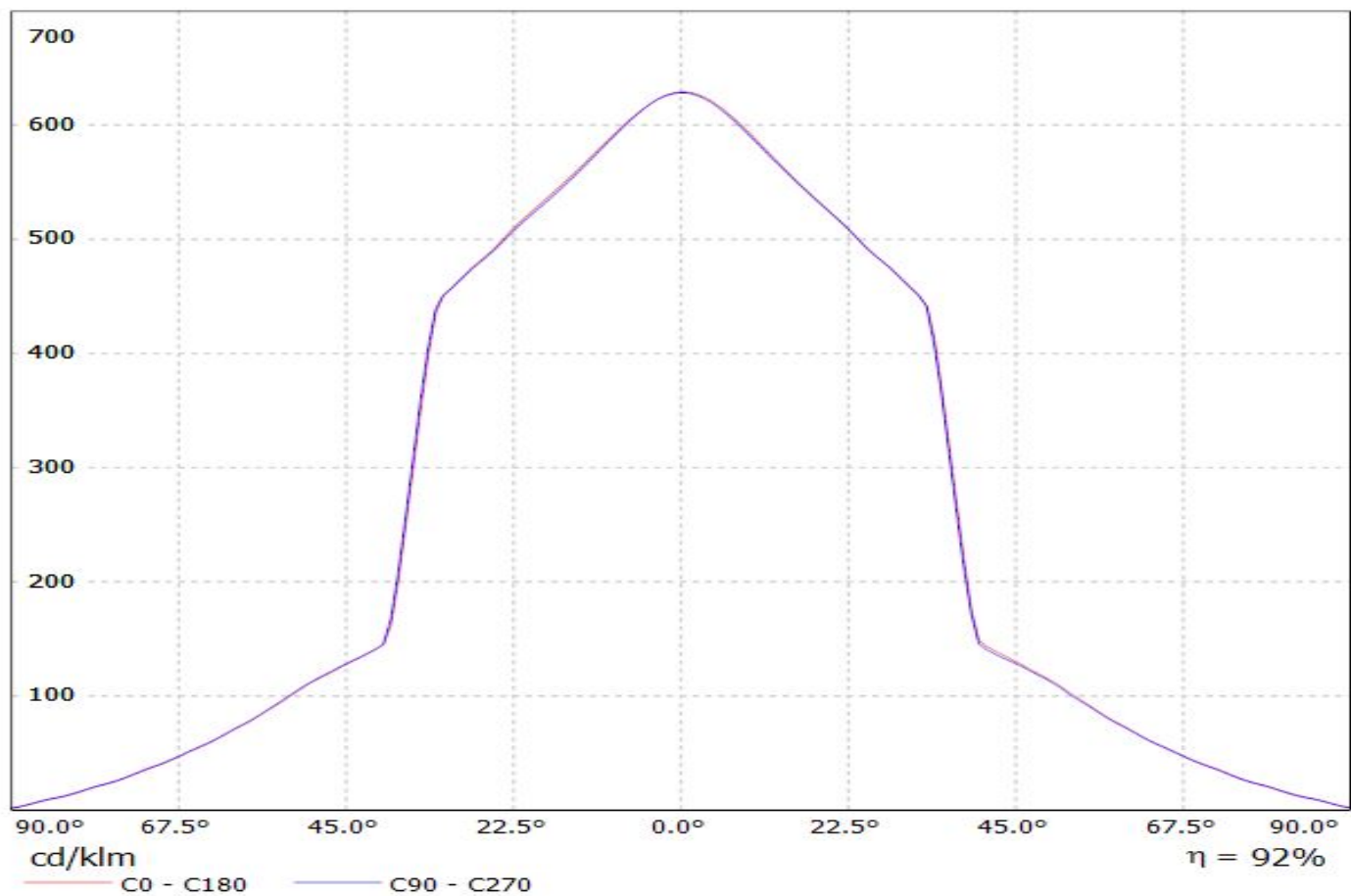
Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLE GEN4 LES19)
Lamps: 1 x SLE GEN4 LES19_1226.28lm@250mA_P=8.21367W_I=0.2498A



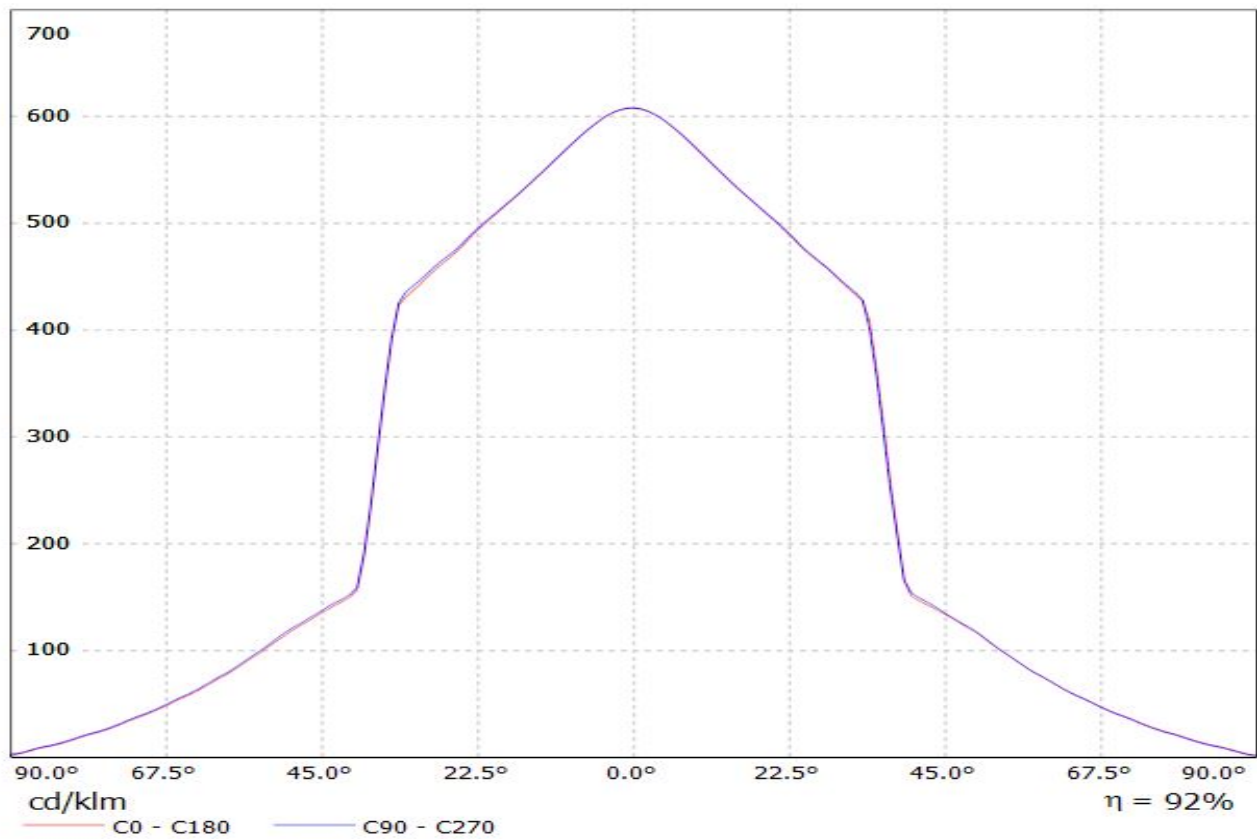
Luminaire: LEDiL Oy F13840_ANGELA-XW_(S13) Eff.92.5%
Lamps: 1 x Osram_Soleriq_S13_883.206lm@250mA_P=7.45153W_I=249.8mA



Luminaire: LEDiL Oy F13840_ANGELA-XW_(S19) Eff.92.4%
Lamps: 1 x Osram_Solericq_S19_1396.23lm@250mA_P=10.5575W_I=249.8mA

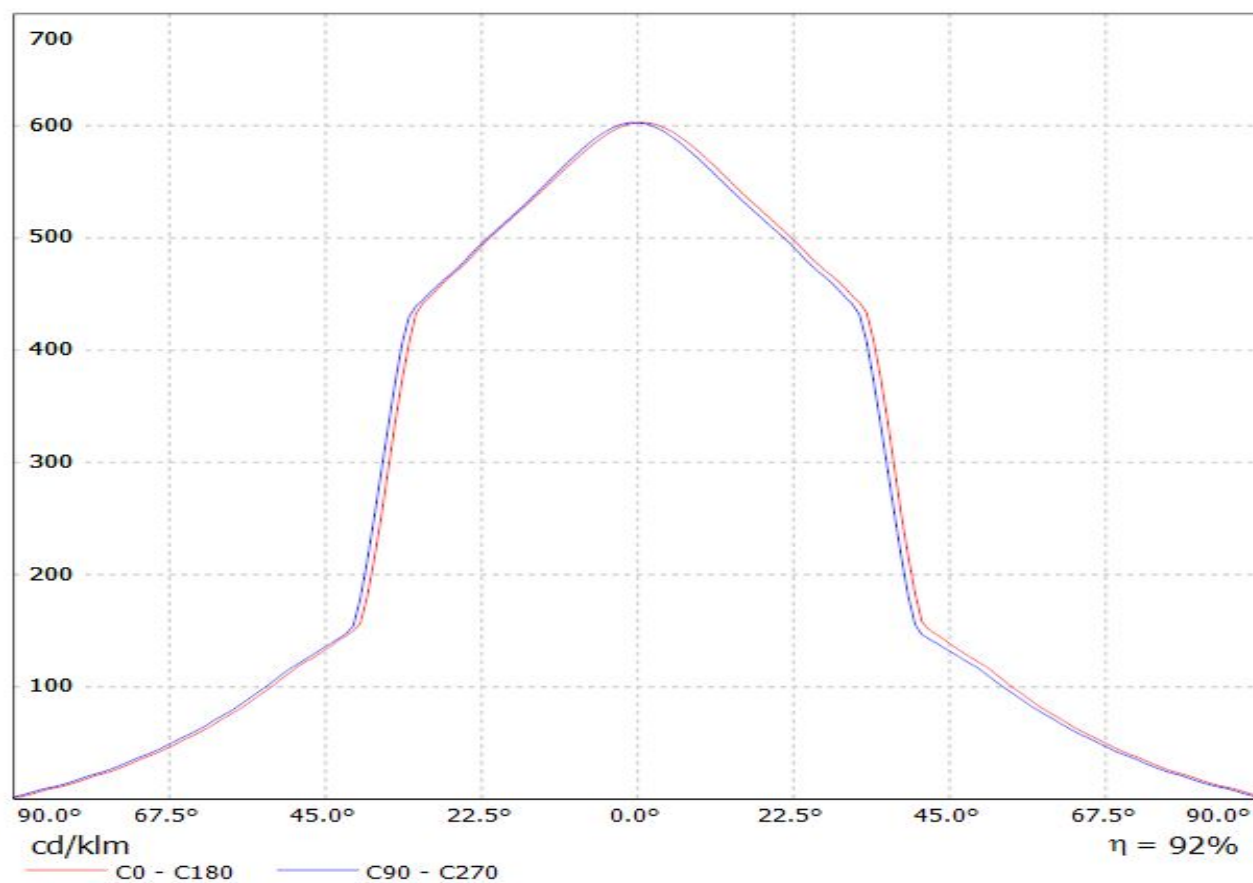


Luminaire: LEDiL Oy F13840_ANGELA-XW
Lamps: 1 x Vossloh_Schwabe-WU-M-484_(WU-M-484-830)_657.721lm@250mA_P=5.59451W_η=249.9mA

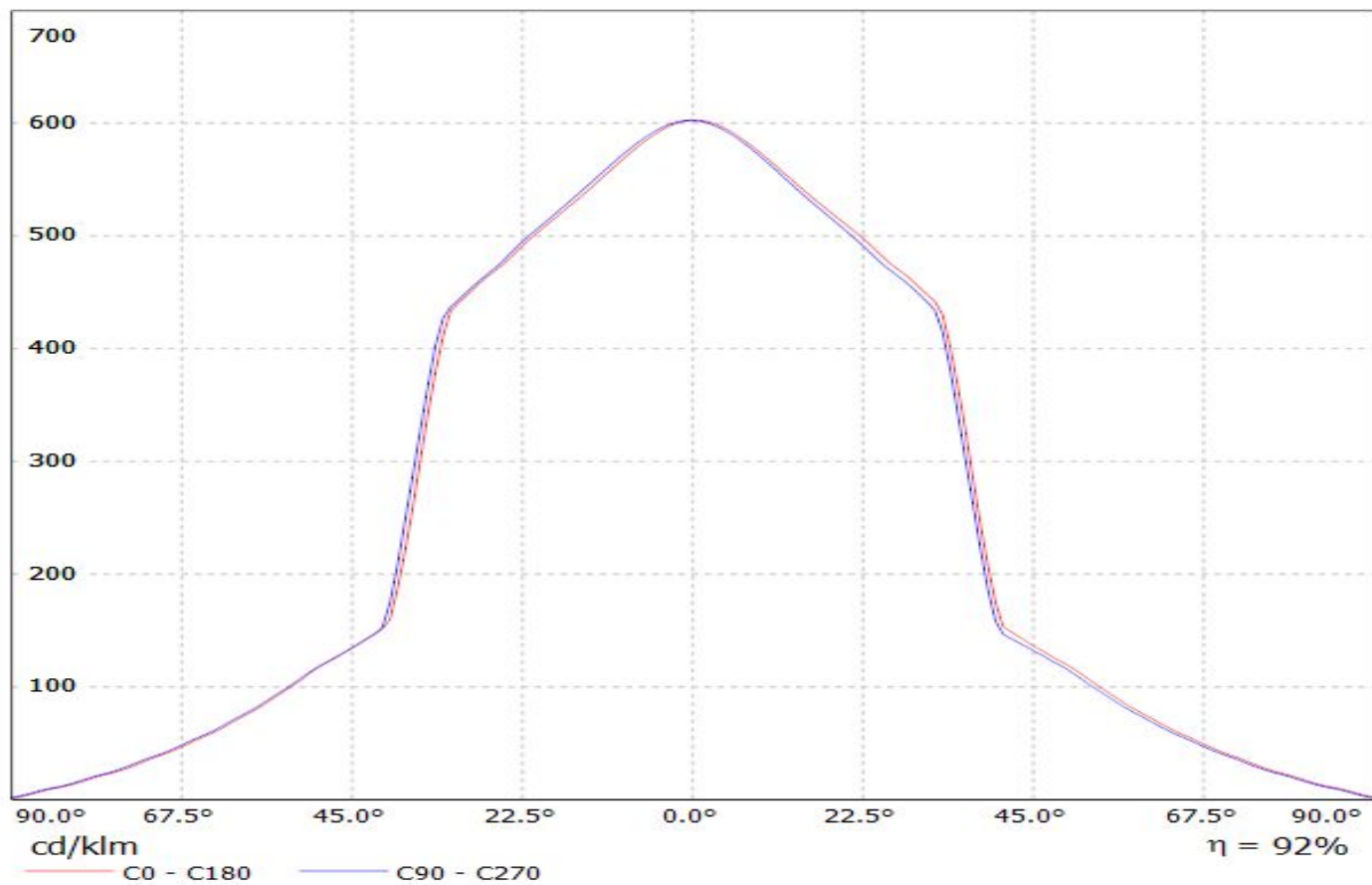


Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-485)

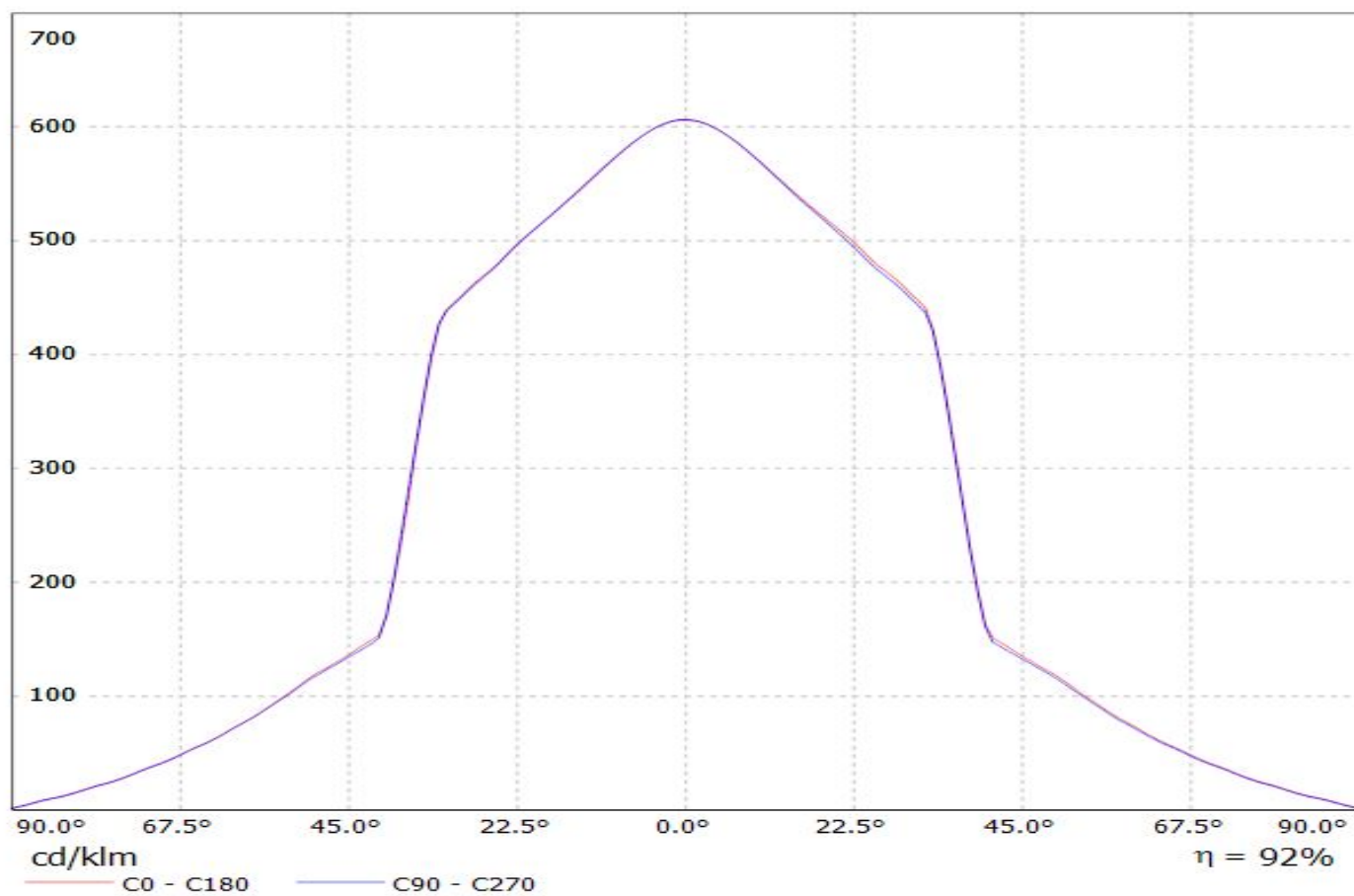
Lamps: 1 x Vossloh_Schwabe-WU-M-485_(WU-M-485-830)_1209.62lm@250mA_P=8.43849W_I=249.8mA



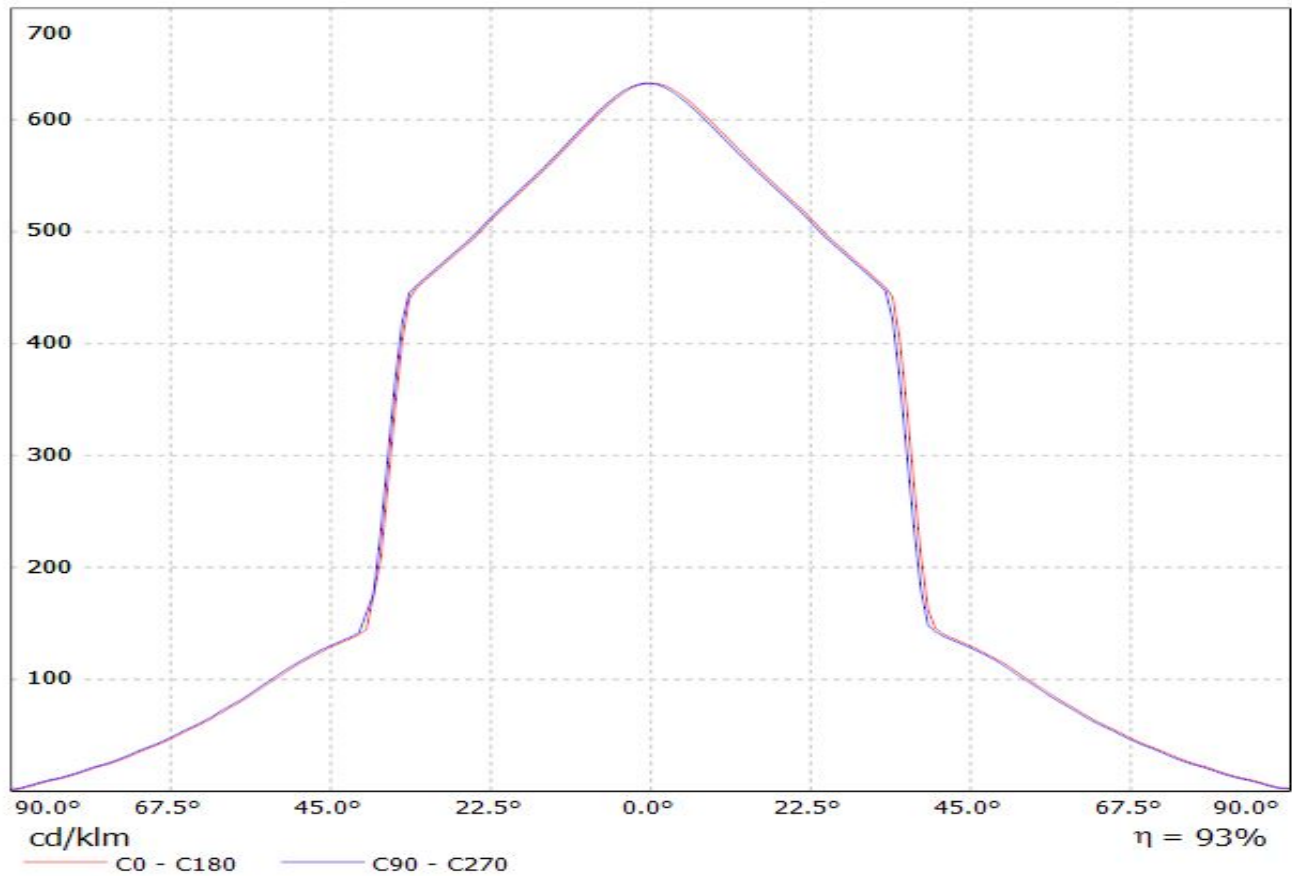
Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-486) Eff.92.1%
Lamps: 1 x Vossloh_Schwabe-WU-M-486_(WU-M-486-830)
_1474.55lm@250mA_P=10.4456W_I=249.8mA



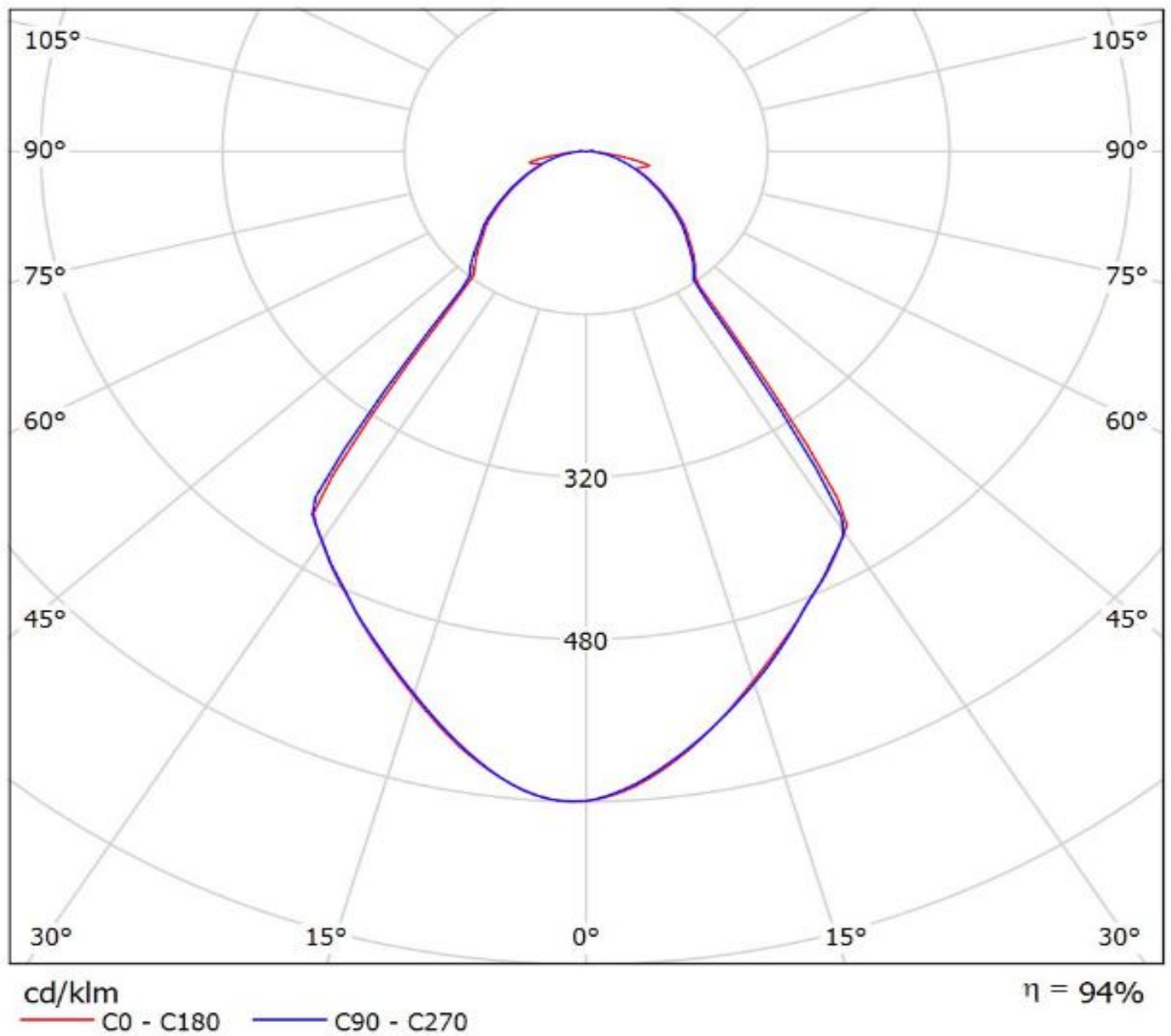
Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-464) Eff.92.5%
Lamps: 1 x VOSSLOH_WU-M-464-827_1452.09lm@250mA_P=11.7139W_I=249.8mA



Luminaire: LEDiL Oy F13840_ANGELA-XW_(NSBxL121A)
Lamps: 1 x Nichia_NSBxL121A_914.478lm@250mA_P=7.56872W_I=249.9mA

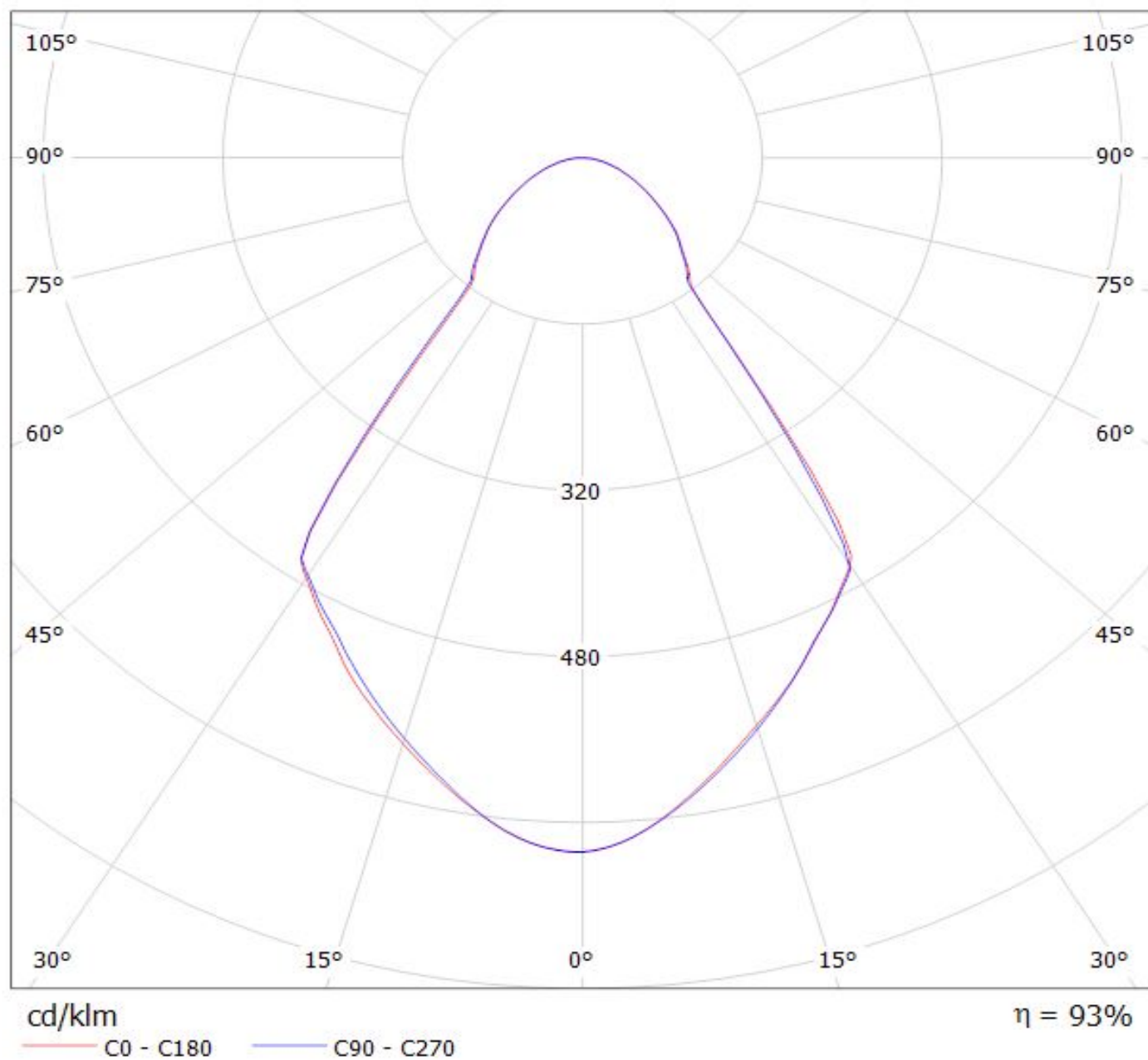


Luminaire: Ledil F13840_ANGELA-XW_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1337.27lm@250mA_CCT=2700K_P=8.35W_I=0.25A



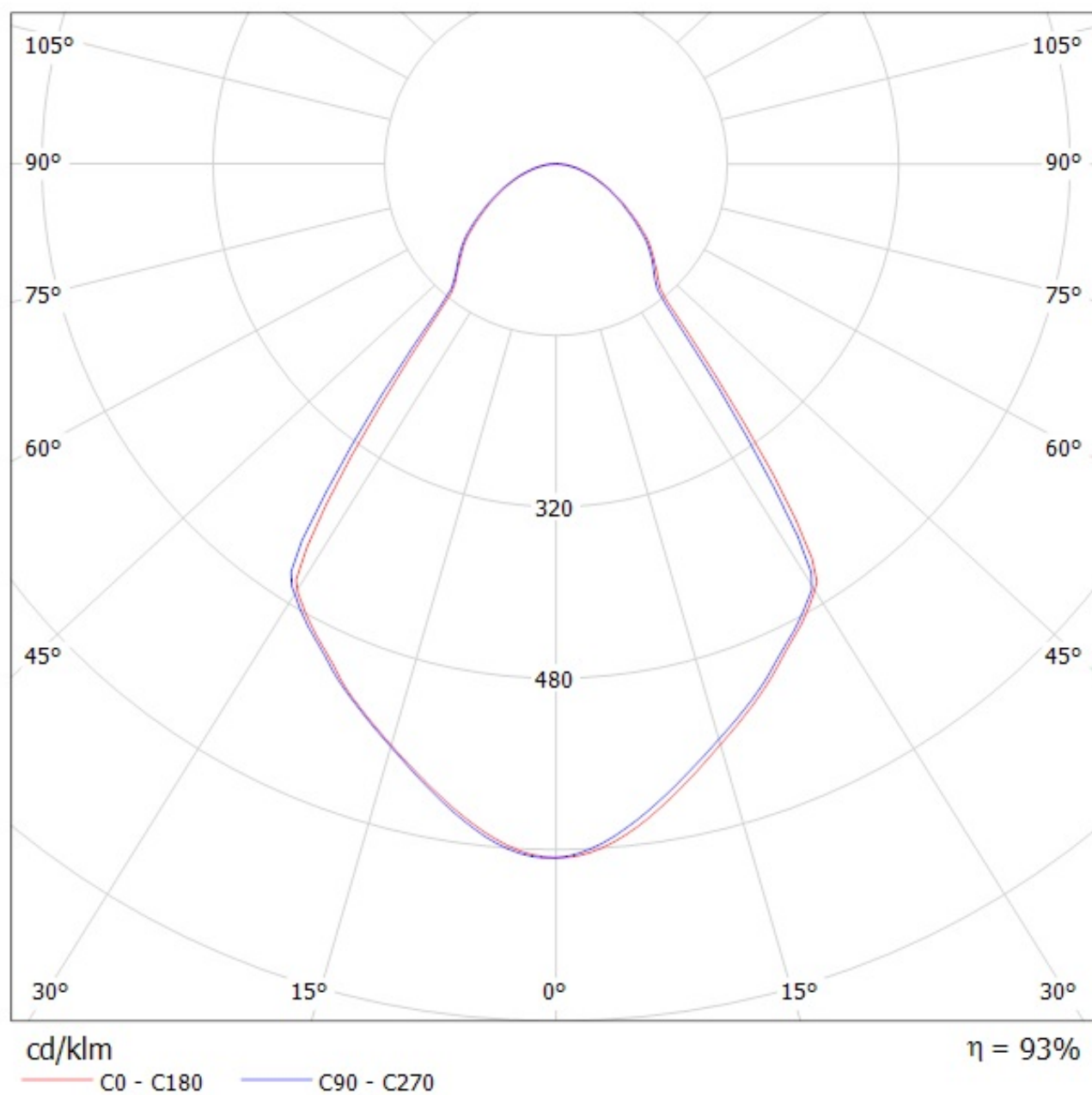
Luminaire: LEDiL Oy F13840_ANGELA-XW_(CLL030)

Lamps: 1 x Citizen_CLL030_(CLL030-1206A1-303M1A2)_971.531lm@250mA_P=8.42026W_I=249.8mA



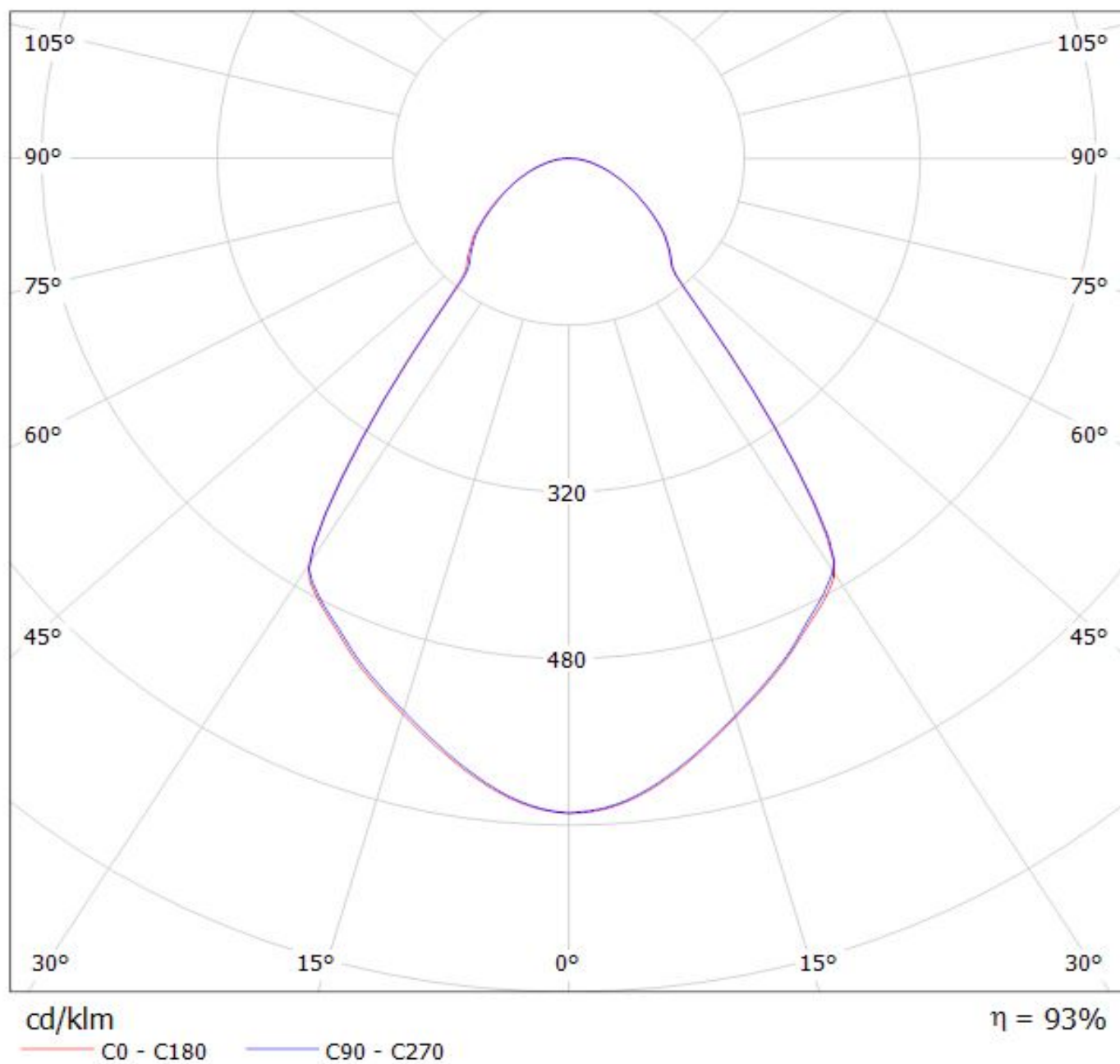
Luminaire: LEDiL Oy F13840_ANGELA-XW_(PrevaLED_Z4) Eff: 93%

Lamps: 1 x Osram_PrevaLED_CORE_Z4_(PL-CORE-3000-830-Z4)_1423.93lm@250mA_P=10.7652W_I=249.9mA

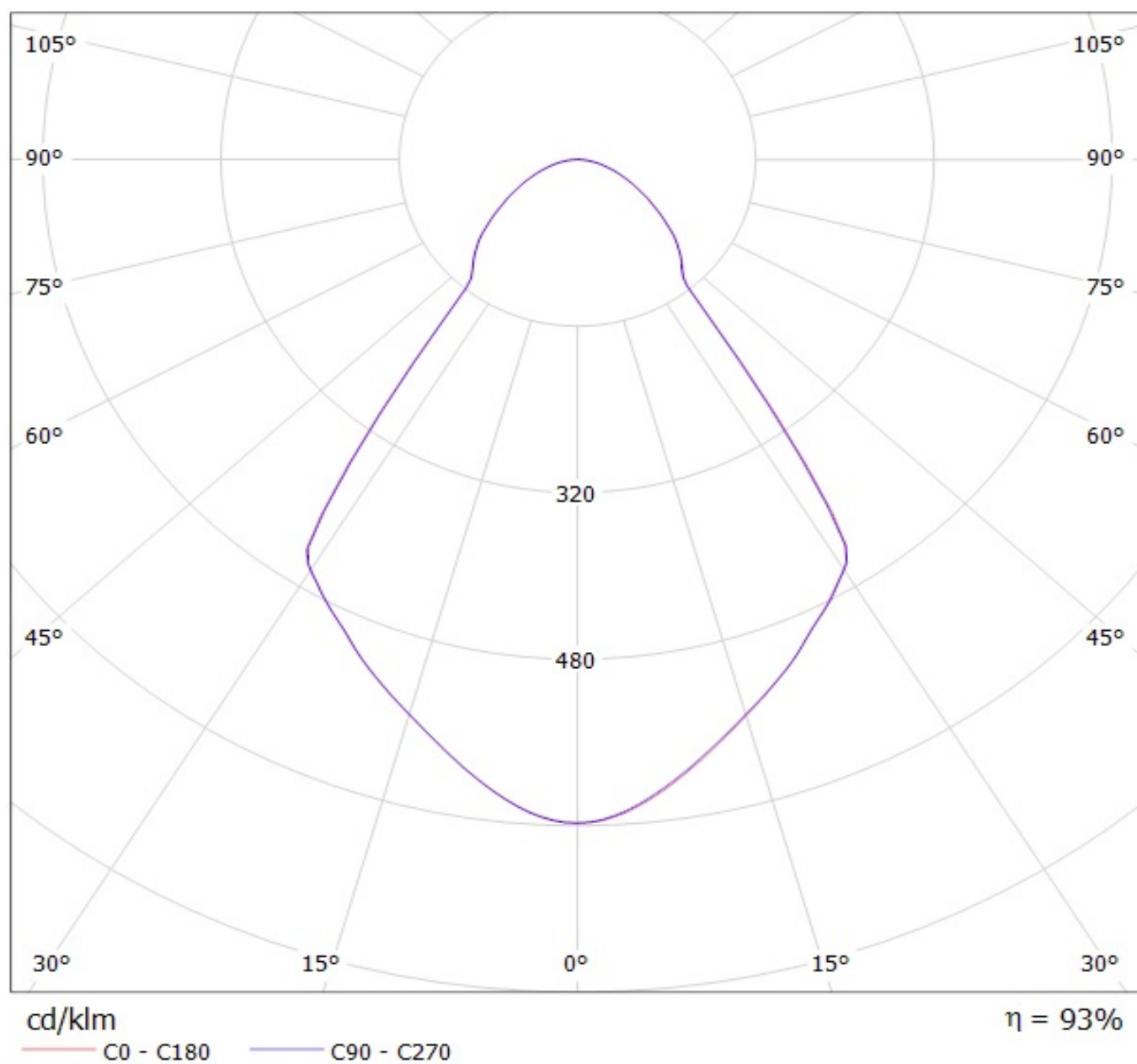


Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLE_G4_LES23)

Lamps: 1 x Tridonic_SLE_G4_LES23_1354.57lm@250mA_P=8.18744W_I=0.2498A

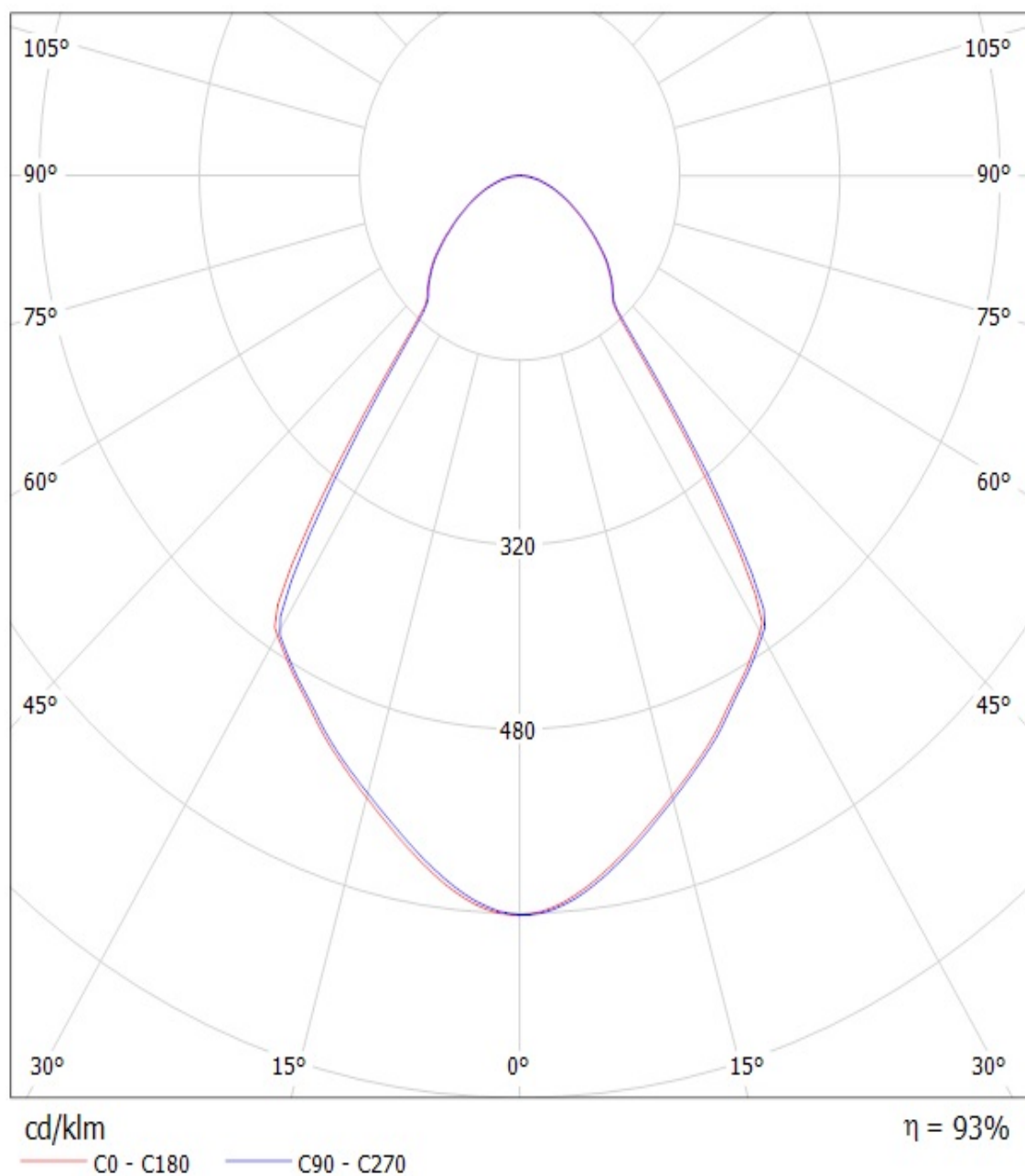


Luminaire: LEDiL Oy F13840_ANGELA-XW_(COB_1208) Eff: 93%
Lamps: 1 x Luxeon_COB_1208_1037.85lm@250mA_P=8.27294W_I=249.9mA



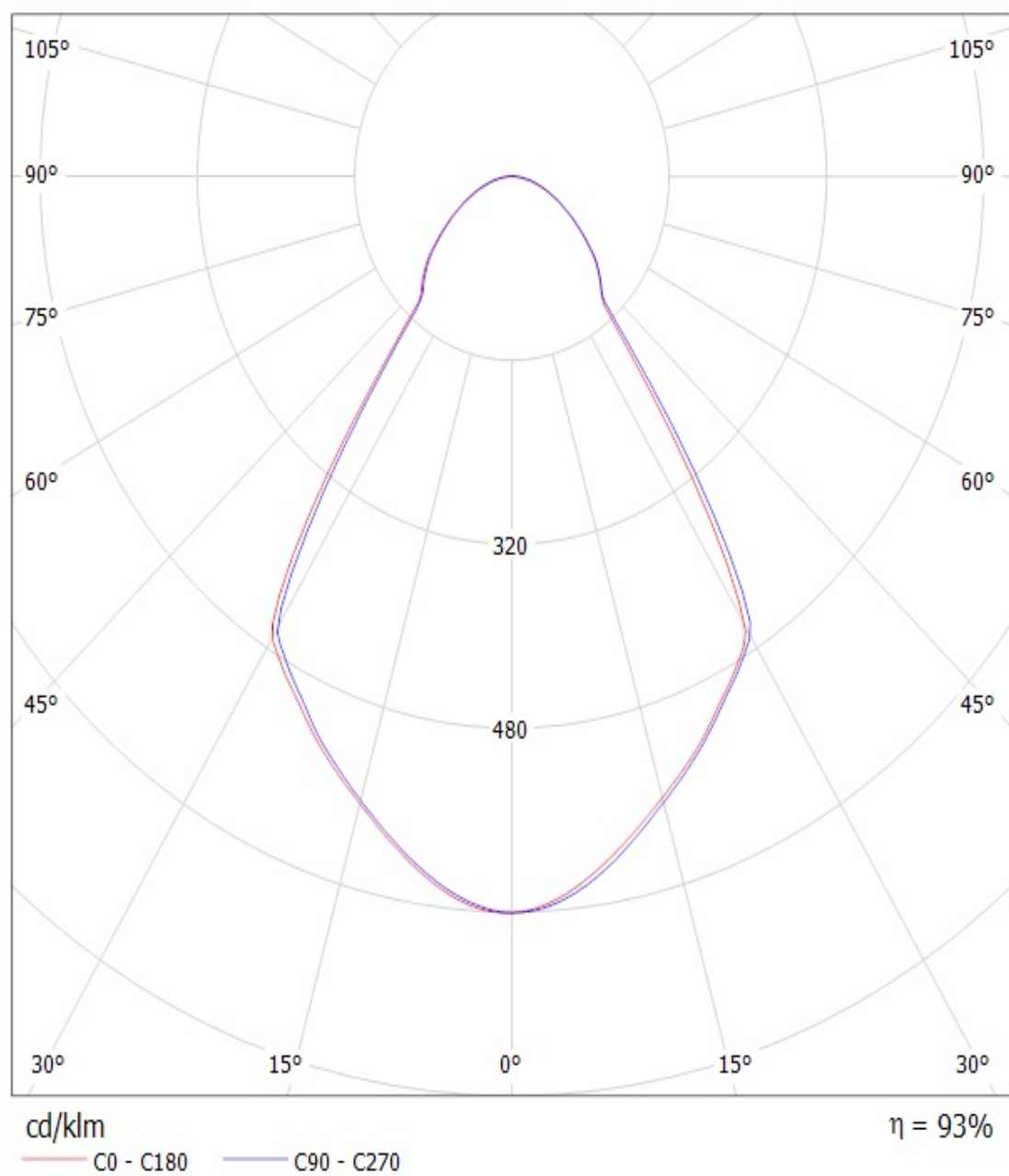
Luminaire: LEDiL Oy F13840_ANGELA-XW_(STARK_SLE_G3_LES19) Eff: 93%

Lamps: 1 x Tridonic_Stark_SLE_G3_LES19_(Stark-SLE-PURE-G3-19-2000-840-CLA)_1047.27lm@250mA_P=8.3639W_I=249.9mA



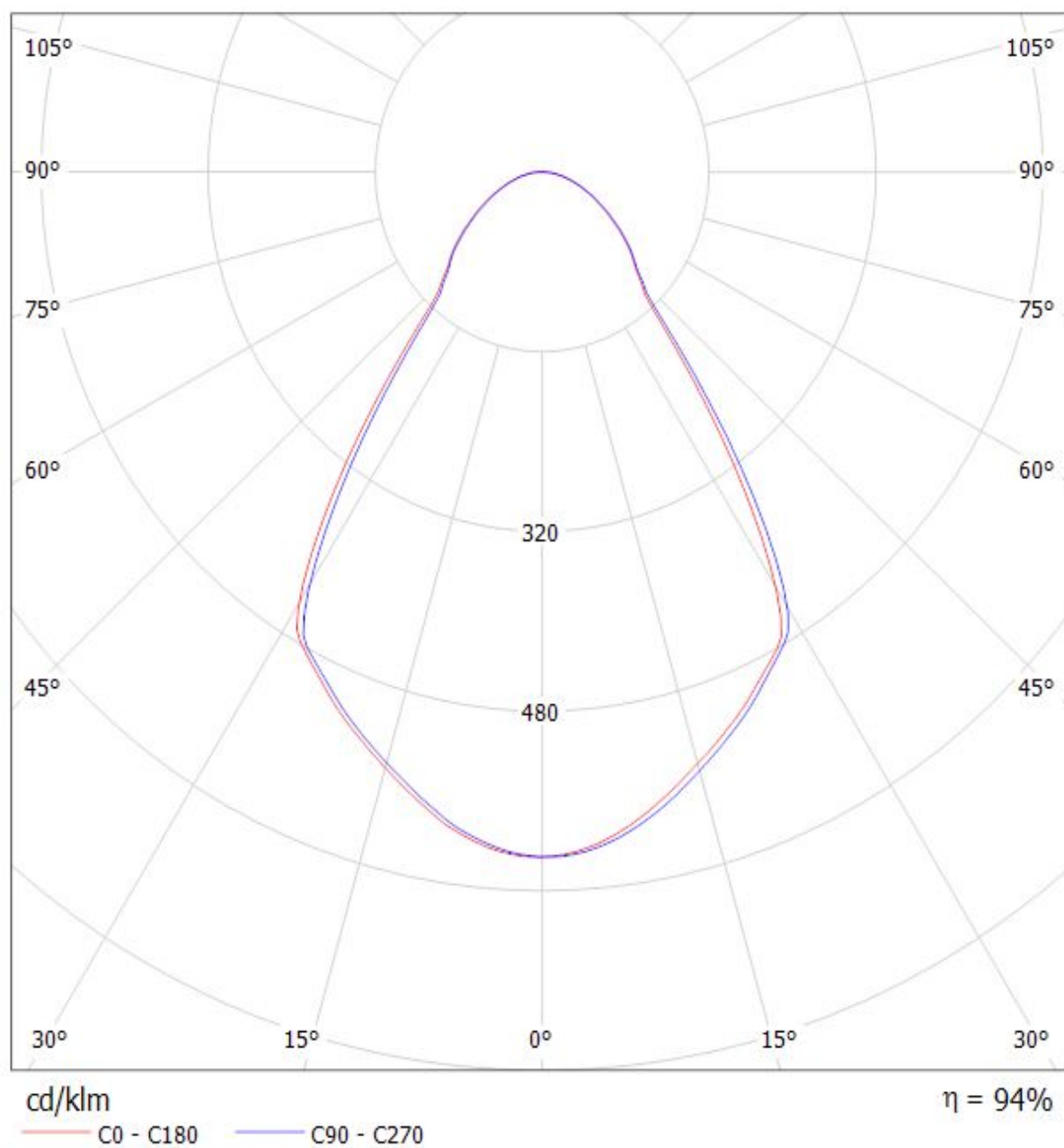
Luminaire: LEDiL Oy F13840_ANGELA-XW_(Stark_SLE_G3_LES23) Eff: 93%

Lamps: 1 x Tridonic_Stark_SLE_G3_LES23_(Stark-SLE-PURE-G3-23-3000-930-SEL)_796.507lm@250mA_P=8.2472W_I=249.9mA



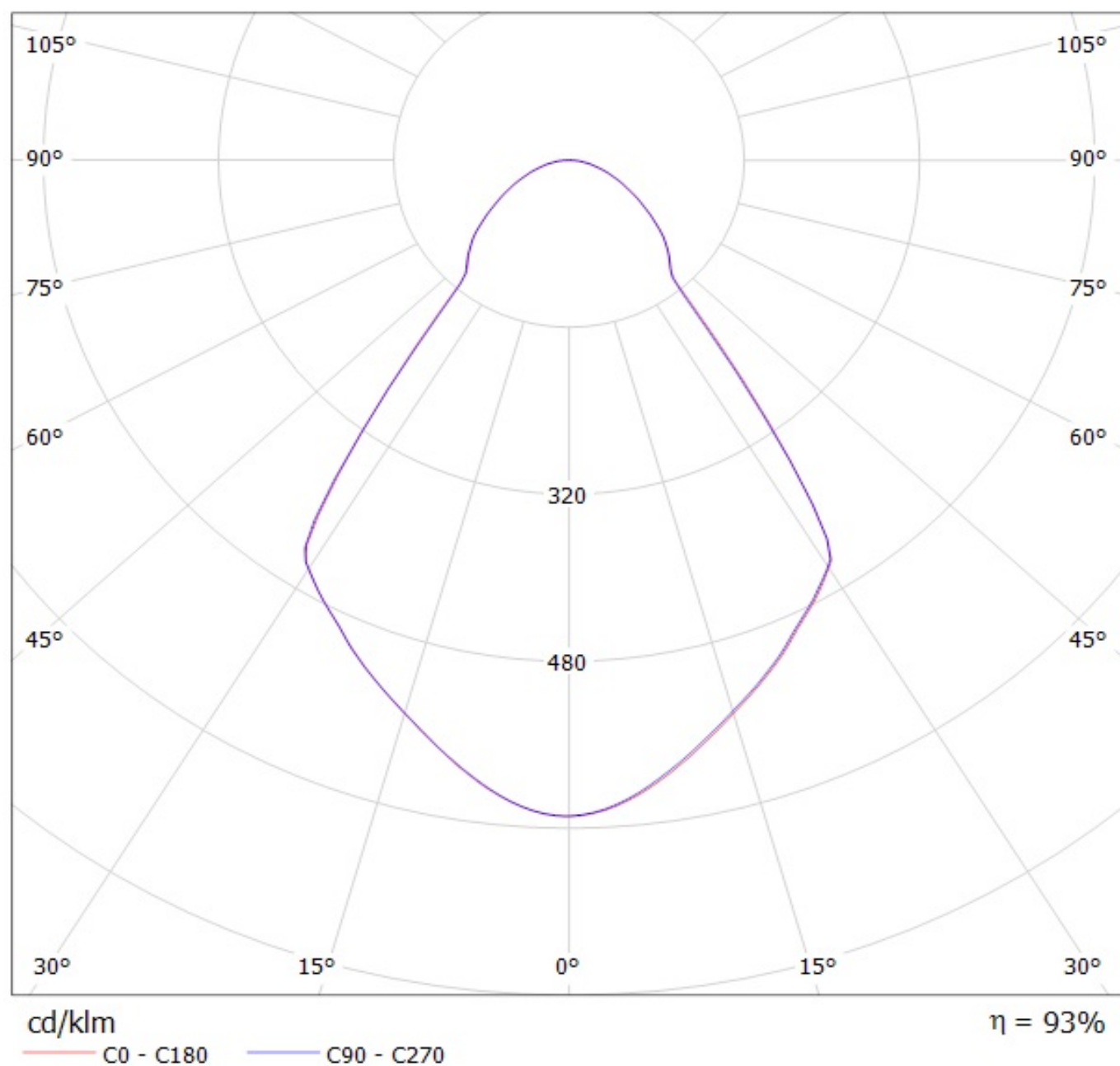
Luminaire: LEDiL Oy F13840_ANGELA-XW_(CXA3590)

Lamps: 1 x CREE_CXA3590_(CXA3590-30F-BD-R0H-0002)_2640.14lm@250mA_CCT=3000K_P=16.3941W_I=249.8mA

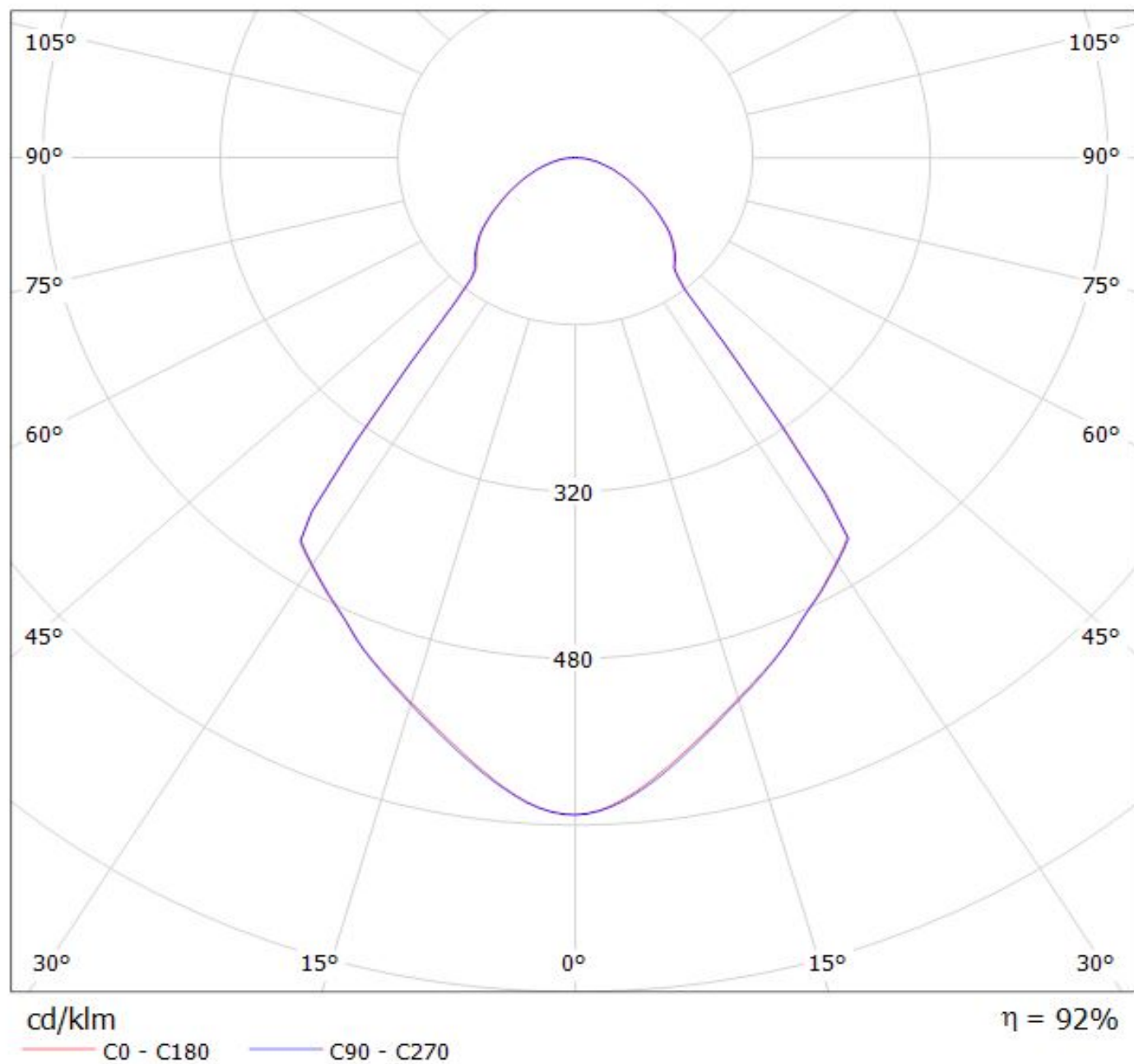


Luminaire: LEDiL Oy F13840_ANGELA-XW_(LC026B)

Lamps: 1 x Samsung_LC026B_(SPHWW1HDNC25YHV52F)_1131.32lm@250lm_P=8.28162W_I=249.8mA

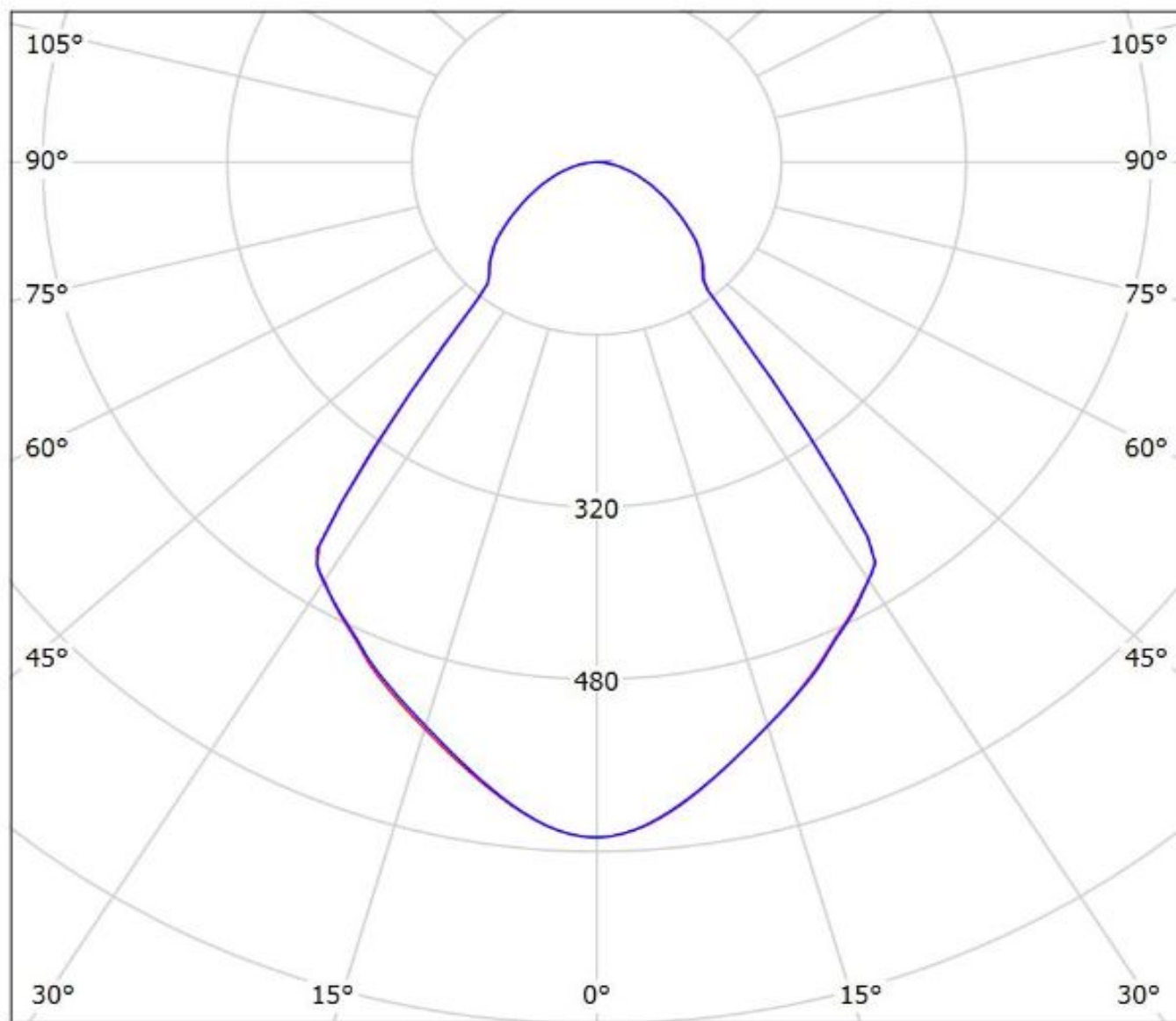


Luminaire: LEDiL Oy F13840_ANGELA-XW_(Fortimo LED SLM 1100 lm 830 L9 G4)
Lamps: 1 x Fortimo LED SLM 1100 lm 830 L9 G4_1021.27lm@250mA_P=9.2431W_I=0.2498A



Luminaire: LEDiL Oy F13840_ANGELA-XW_(SOLERIQ_P13)

Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_1038.25lm@250mA_CCT=3000K_P=8.77223W_I=249.8mA



cd/klm

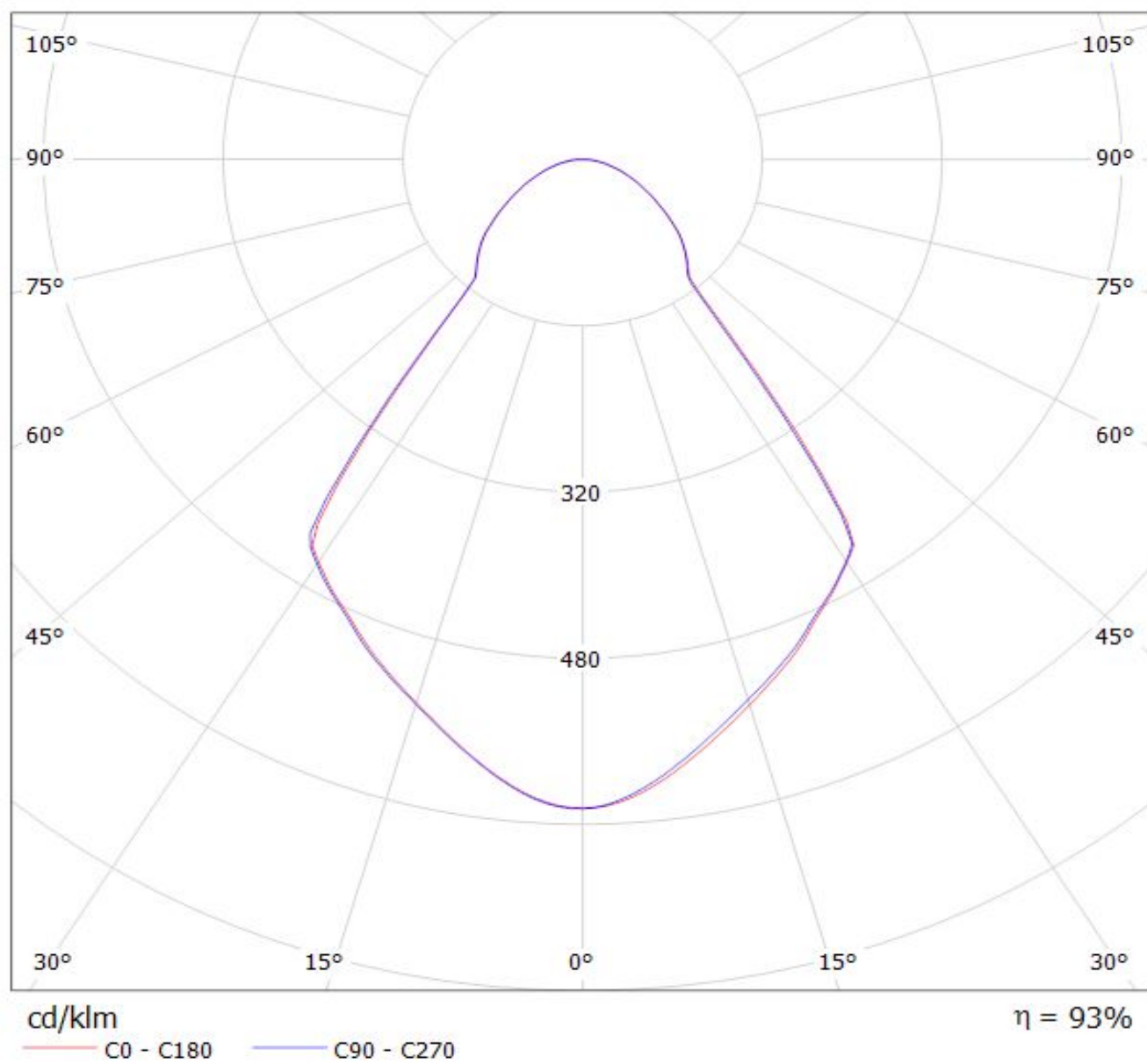
C0 - C180

C90 - C270

$\eta = 93\%$

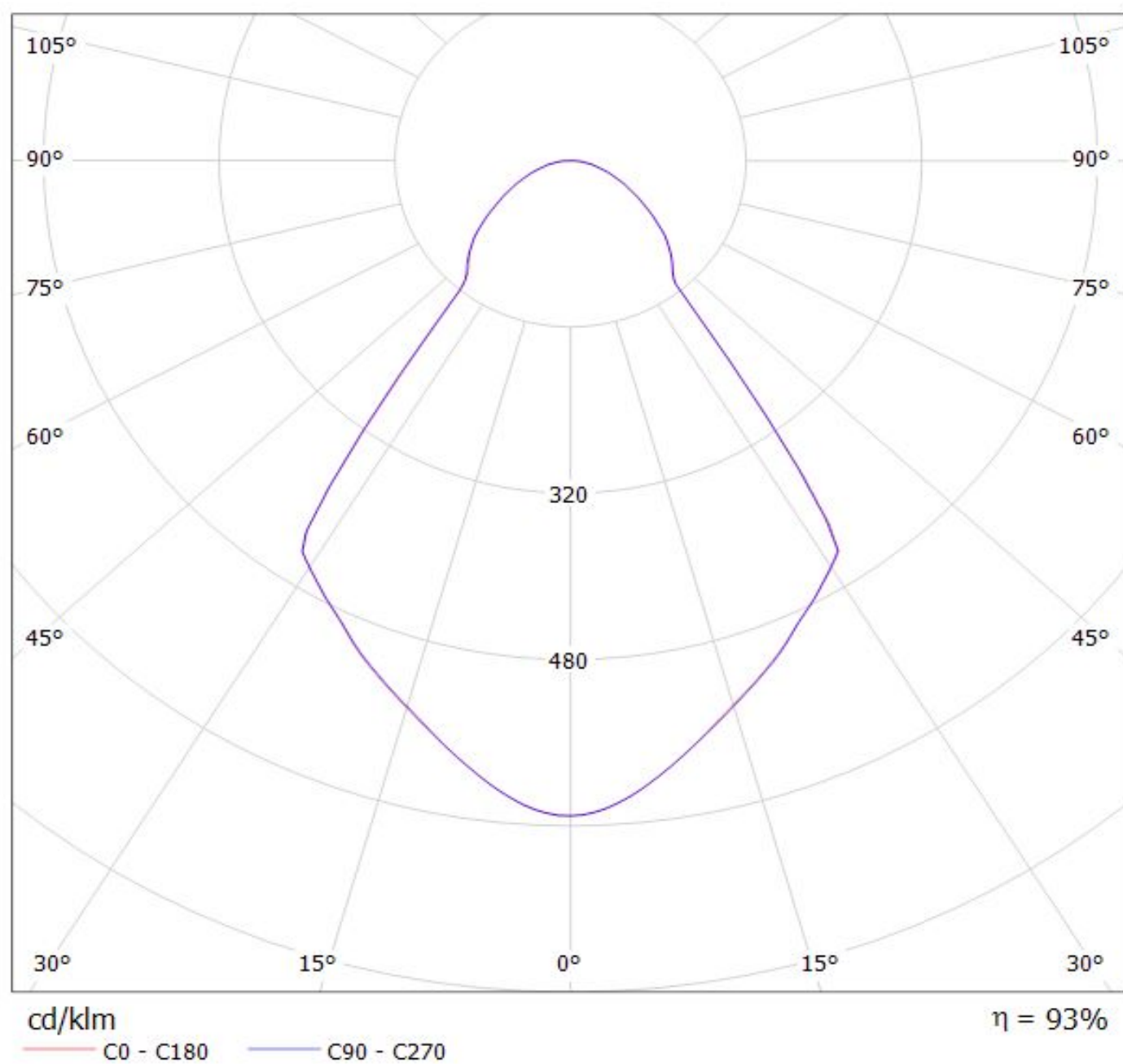
Luminaire: LEDiL Oy F13840_ANGELA-XW_(CXM-14)

Lamps: 1 x LUMINUS_CXM-14_1114.36lm@250mA_P=8.36106W_I=249.8mA



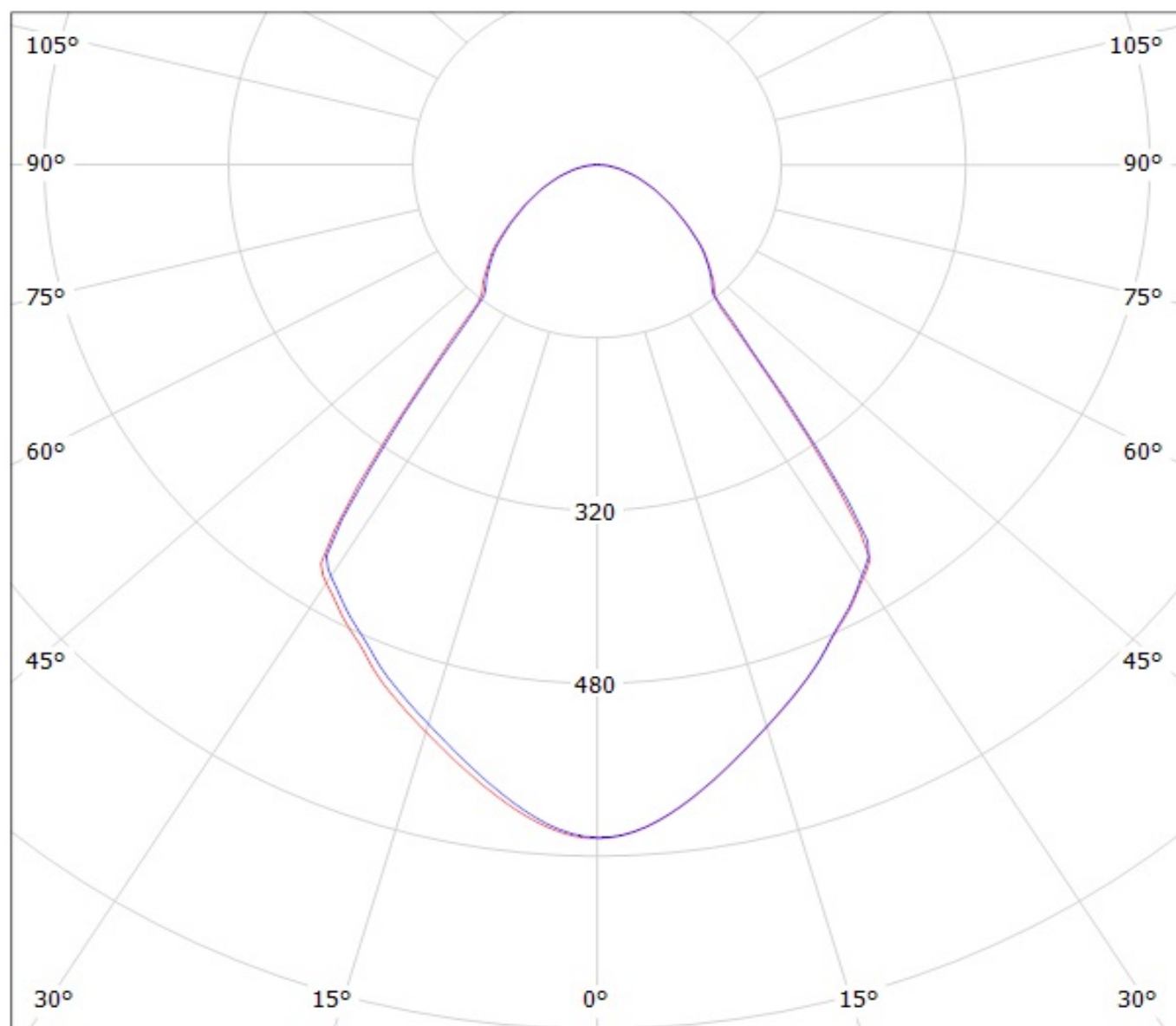
Luminaire: LEDiL Oy F13840_ANGELA-XW (Fortimo LED SLM L13 G4)

Lamps: 1 x Fortimo LED SLM L13 G4_1030.19lm@250mA_P=8.38104W_I=0.2498A



Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-461) Eff: 92%

Lamps: 1 x Vossloh_WU-M-461_(WU-M-461-827)_775.523lm@250mA_P=6.28474W_I=249.9mA

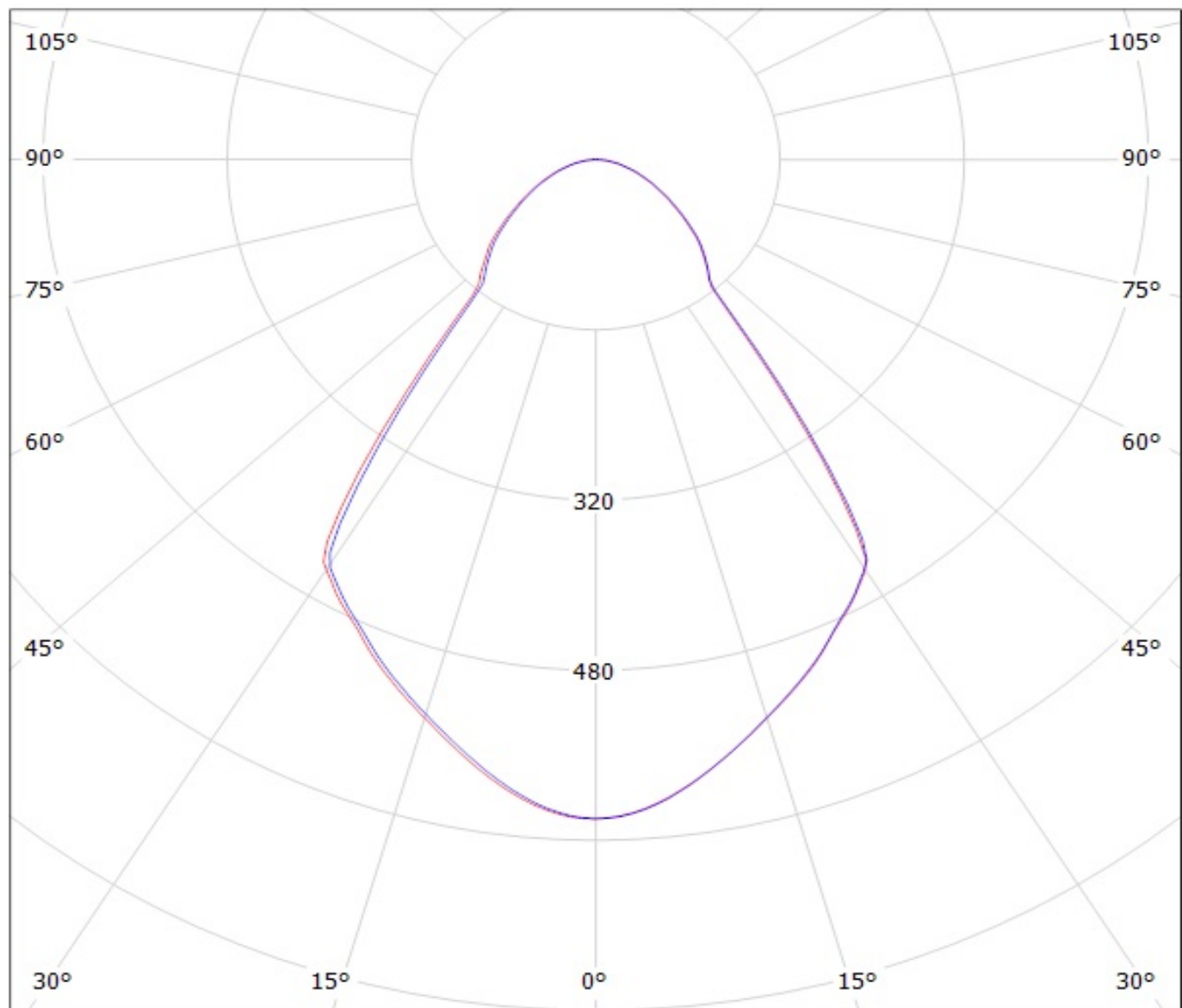


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-462) Eff: 92%
Lamps: 1 x Vossloh_WU-M-462_(WU-M-462-827)_1123.54lm@250mA_P=9.02089W_I=249.9mA

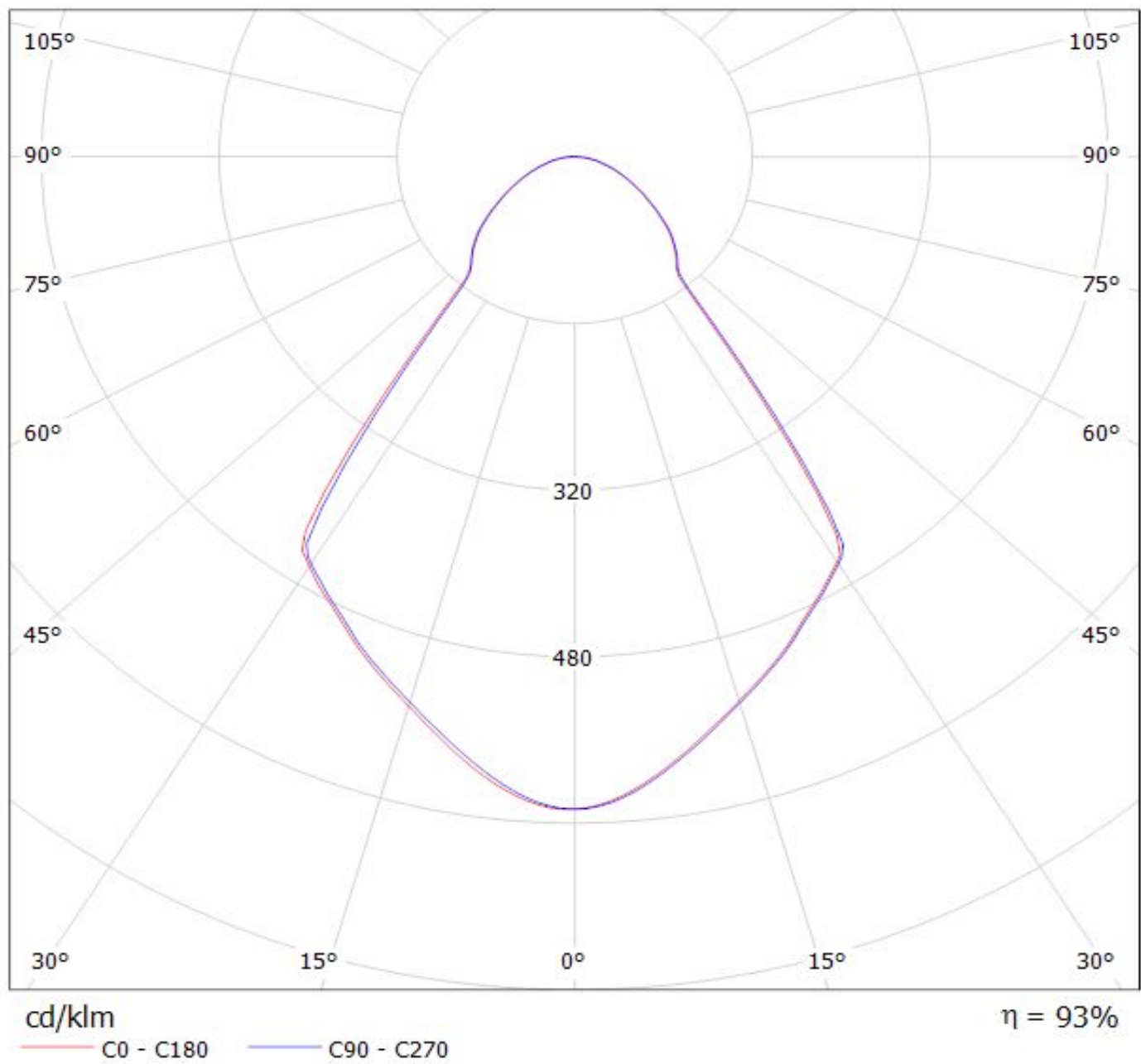


cd/klm

C0 - C180

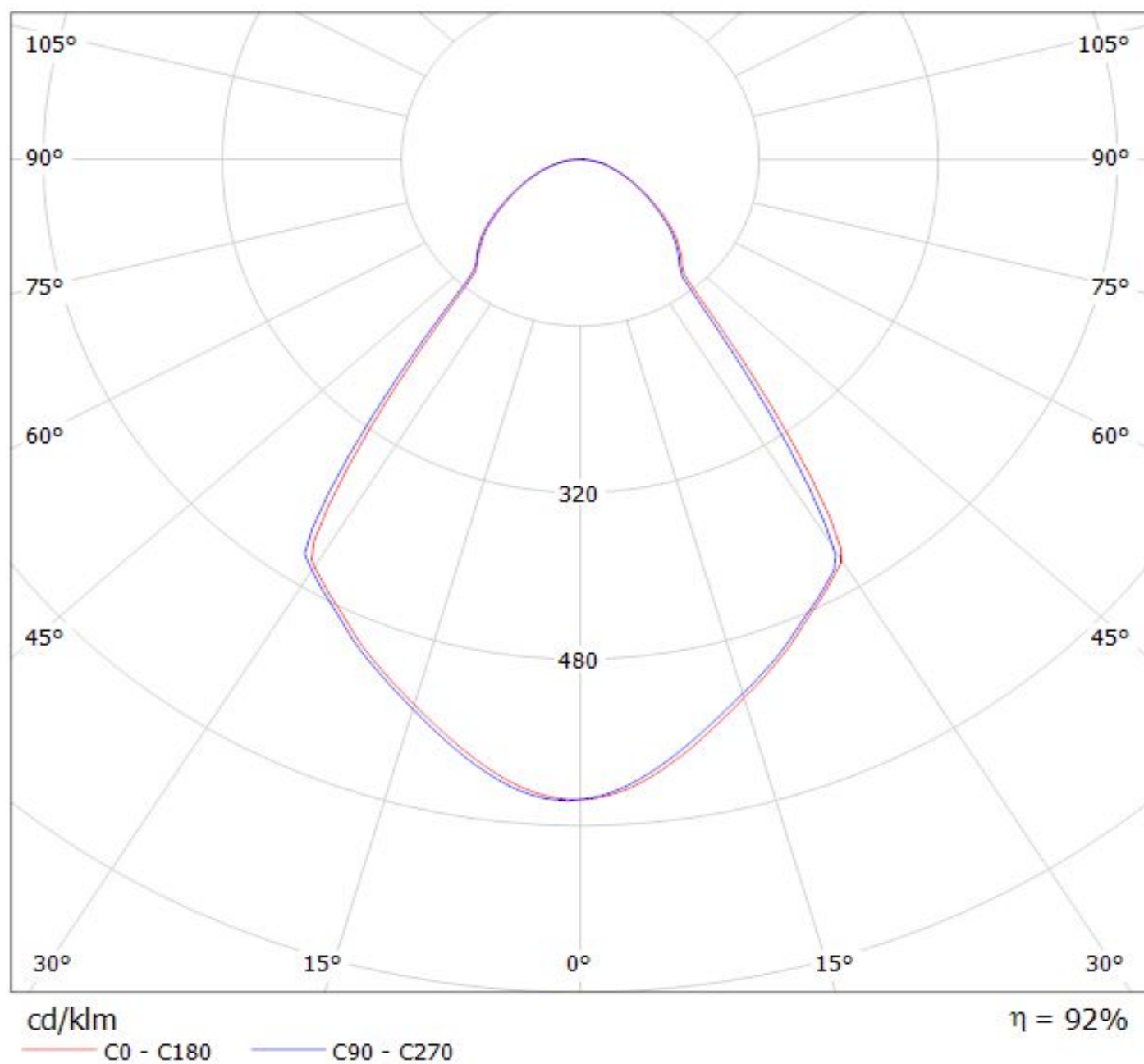
C90 - C270

Luminaire: LEDiL Oy F13840_ANGELA-XW_(Fortimo LED SLM L15 G4)
Lamps: 1 x Fortimo LED SLM L15 G4_1116.47lm@250mA_P=8.21168W_I=0.2498A



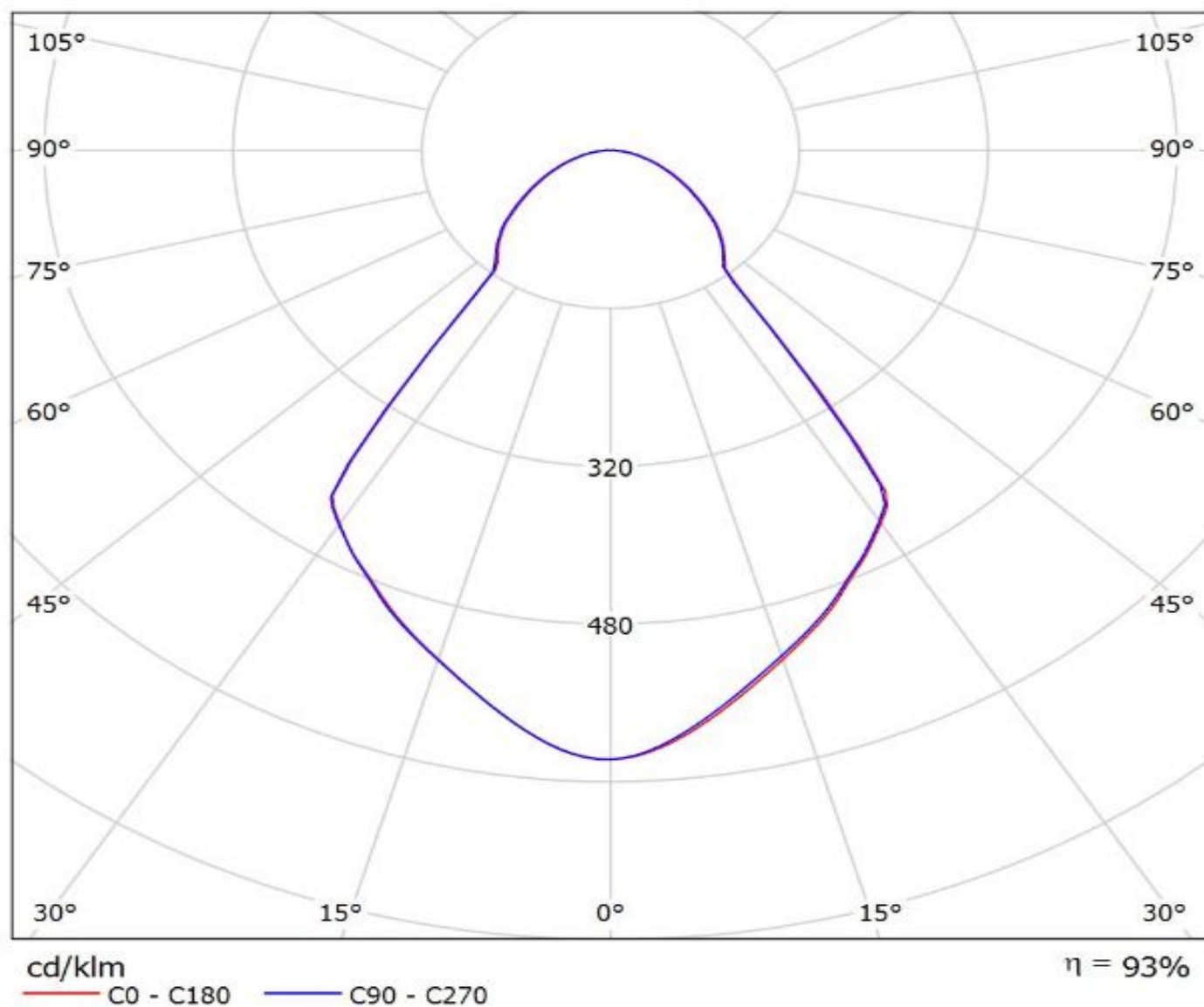
Luminaire: LEDiL Oy F13840_ANGELA-XW_(Fortimo LED SLM L19 G4)

Lamps: 1 x Fortimo LED SLM L19 G4_1114.89lm@250mA_P=8.04906W_I=0.2498A

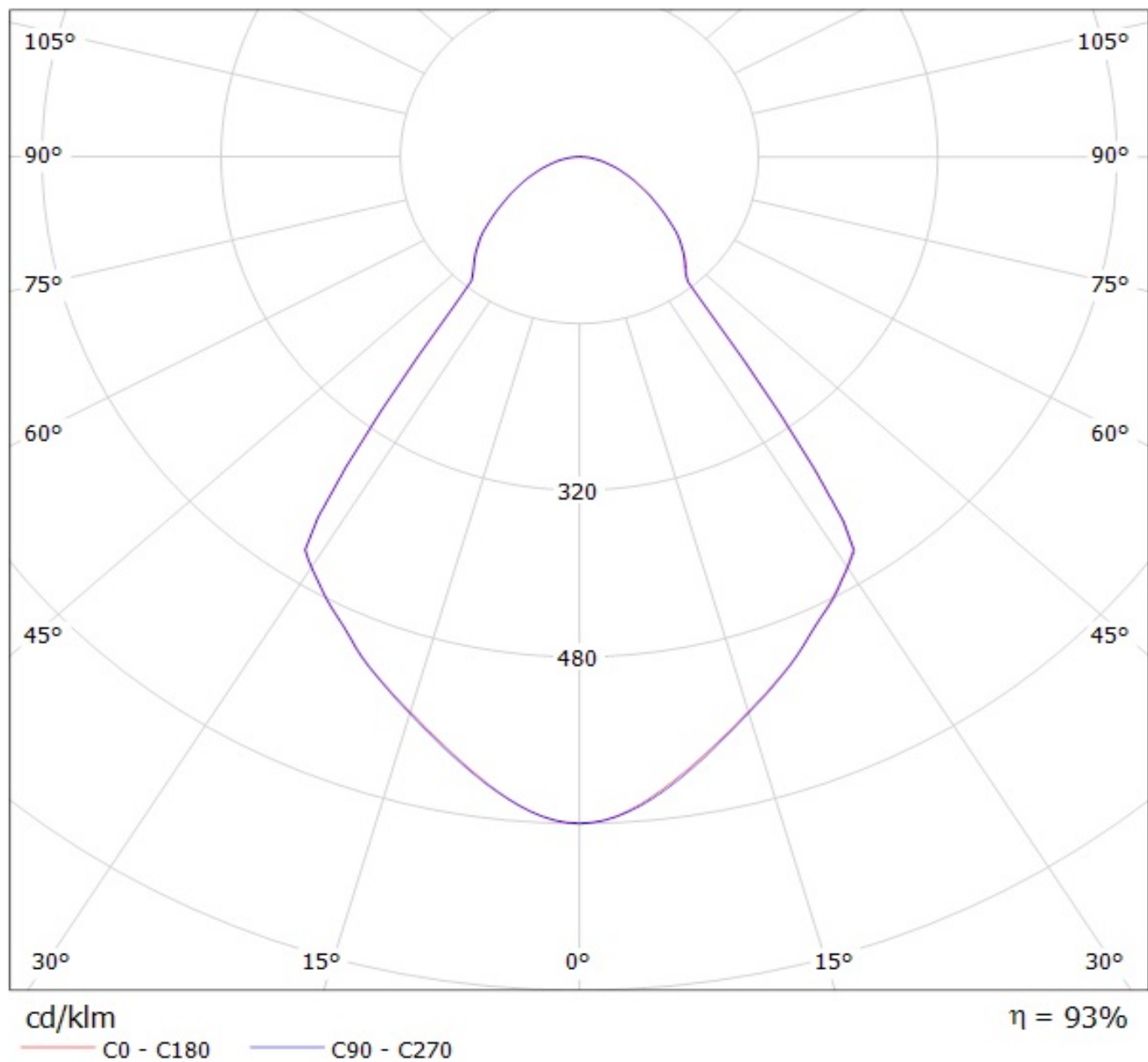


Ledil F13840_ANGELA-XW_(CLU720) / LDC (Polar)

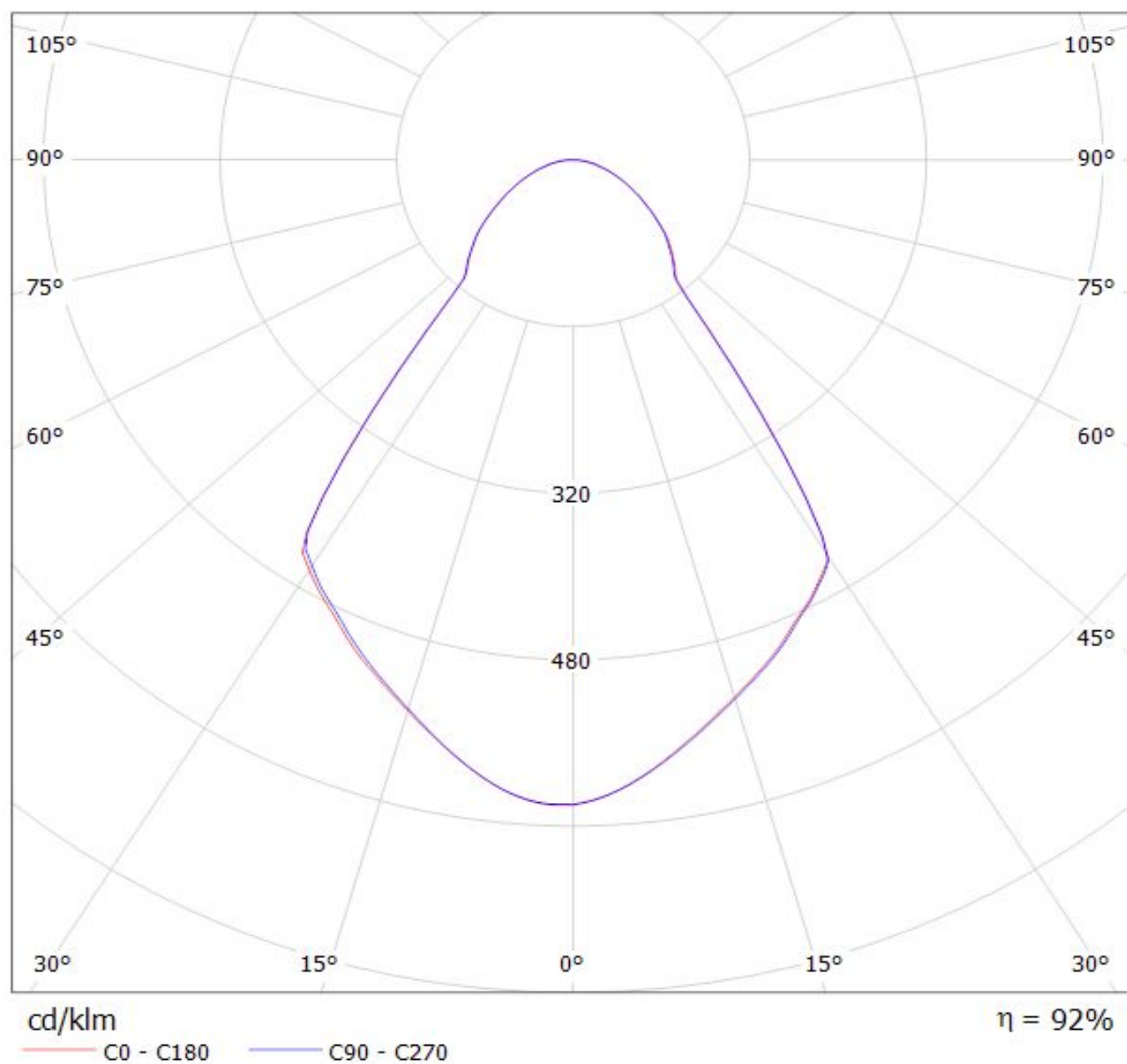
Luminaire: Ledil F13840_ANGELA-XW_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1344.79lm@250mA_CCT=2700K_P=8.35W_I=0.25A



Luminaire: LEDiL Oy F13840_ANGELA-XW_(COB_1205) Eff. 93%
Lamps: 1 x Luxeon_COB_1205_1088.09lm@250mA_P=8.32942W_I=249.9mA

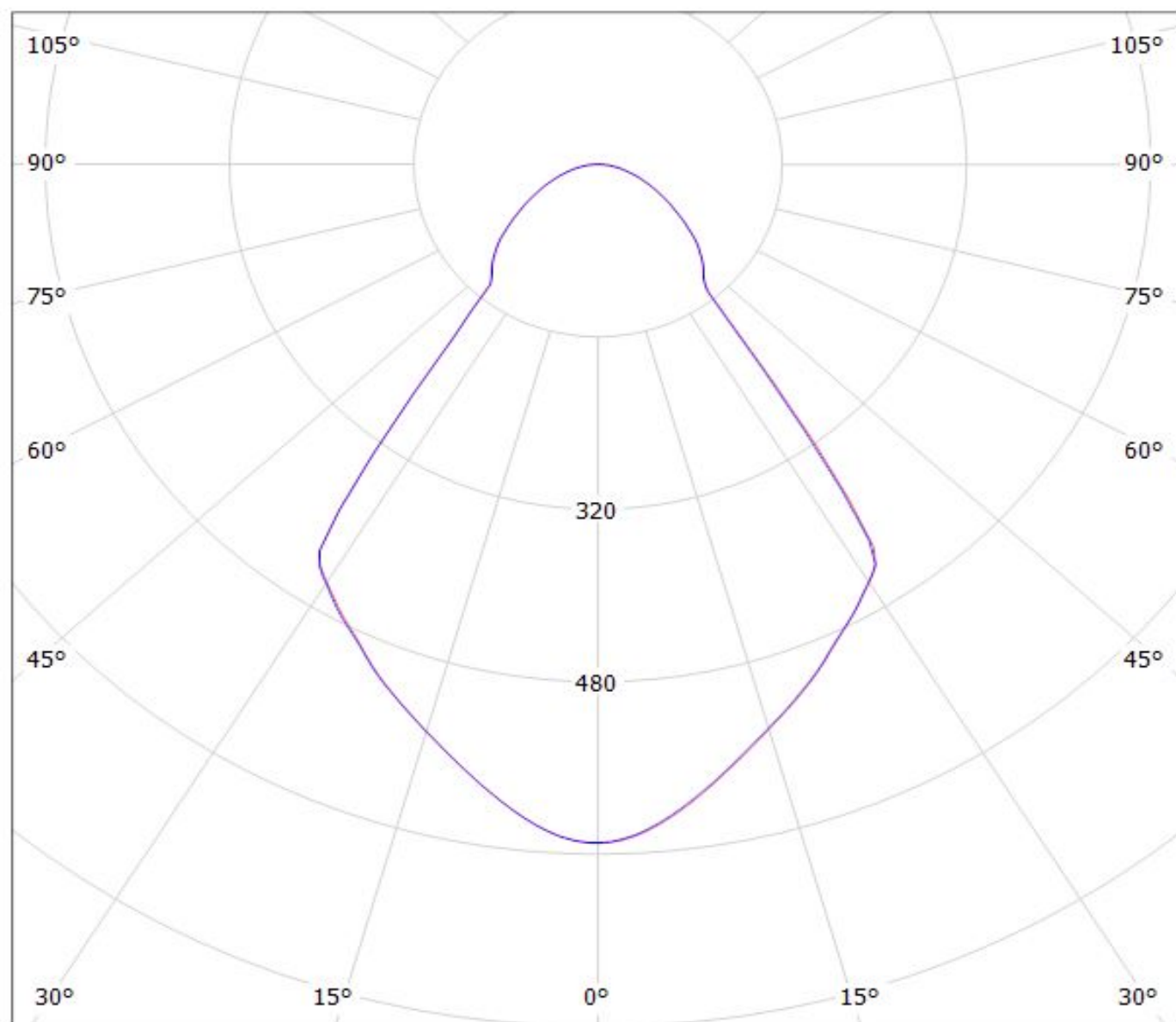


Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLE GEN4 LES19)
Lamps: 1 x SLE GEN4 LES19_1226.28lm@250mA_P=8.21367W_I=0.2498A



Luminaire: LEDiL Oy F13840_ANGELA-XW_(S13) Eff.92.5%

Lamps: 1 x Osram_Solericq_S13_883.206lm@250mA_P=7.45153W_I=249.8mA



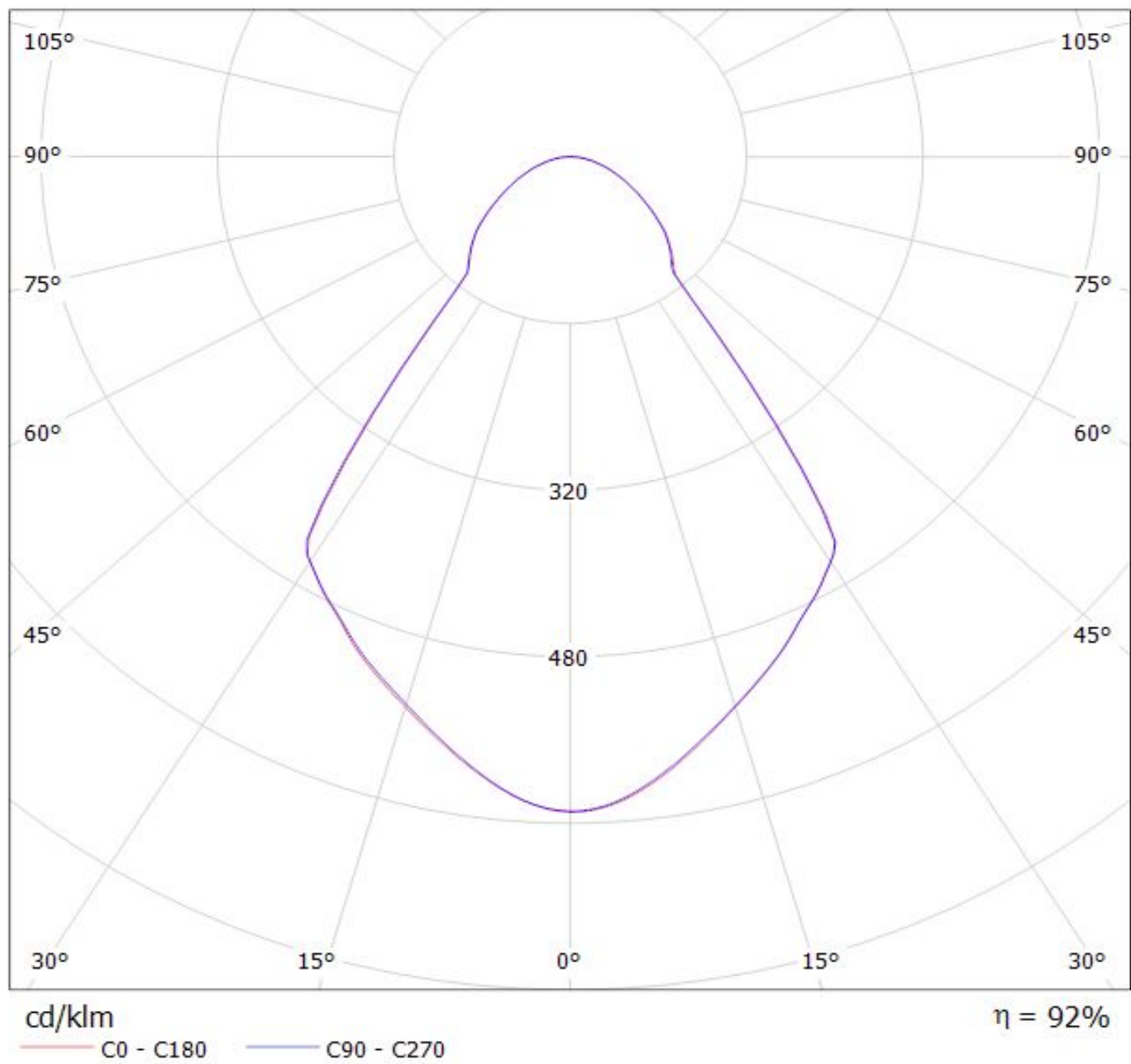
cd/klm

— C0 - C180

— C90 - C270

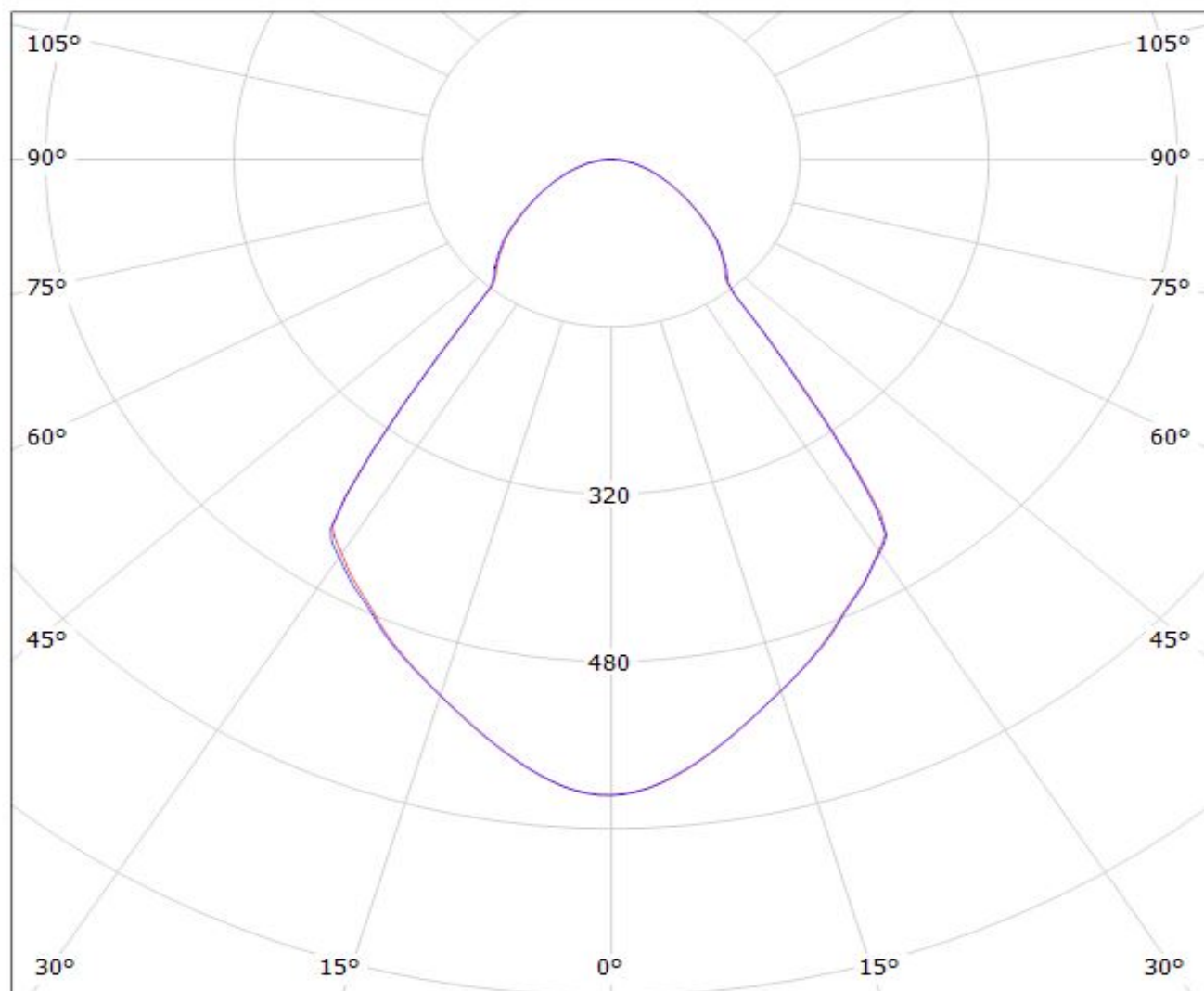
$\eta = 93\%$

Luminaire: LEDiL Oy F13840_ANGELA-XW_(S19) Eff.92.4%
Lamps: 1 x Osram_Soleriq_S19_1396.23lm@250mA_P=10.5575W_I=249.8mA



Luminaire: LEDiL Oy F13840_ANGELA-XW

Lamps: 1 x Vossloh_Schwabe-WU-M-484_(WU-M-484-830)_657.721lm@250mA_P=5.59451W_I=249.9mA



cd/klm

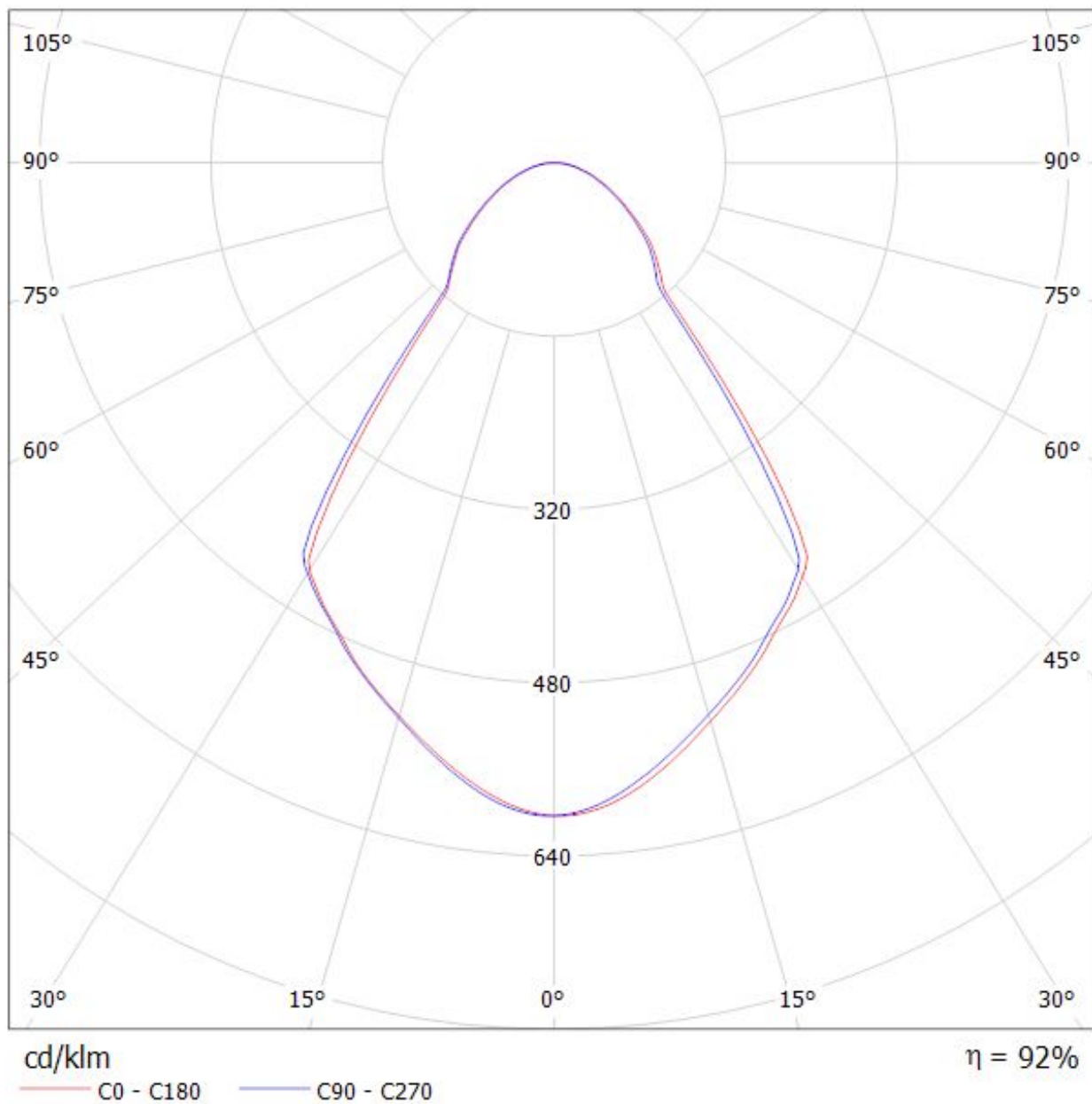
C0 - C180

C90 - C270

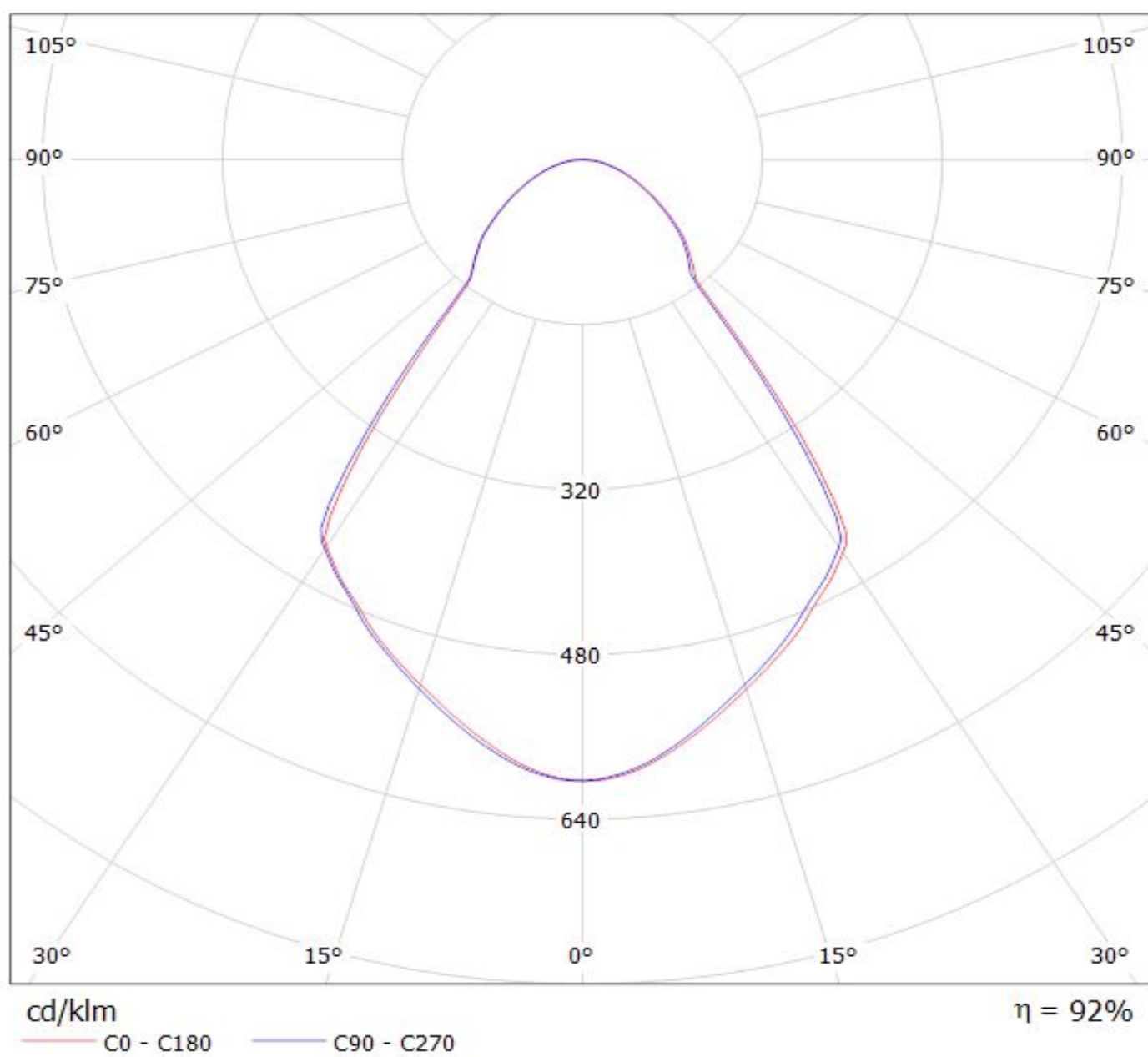
$\eta = 92\%$

Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-485)

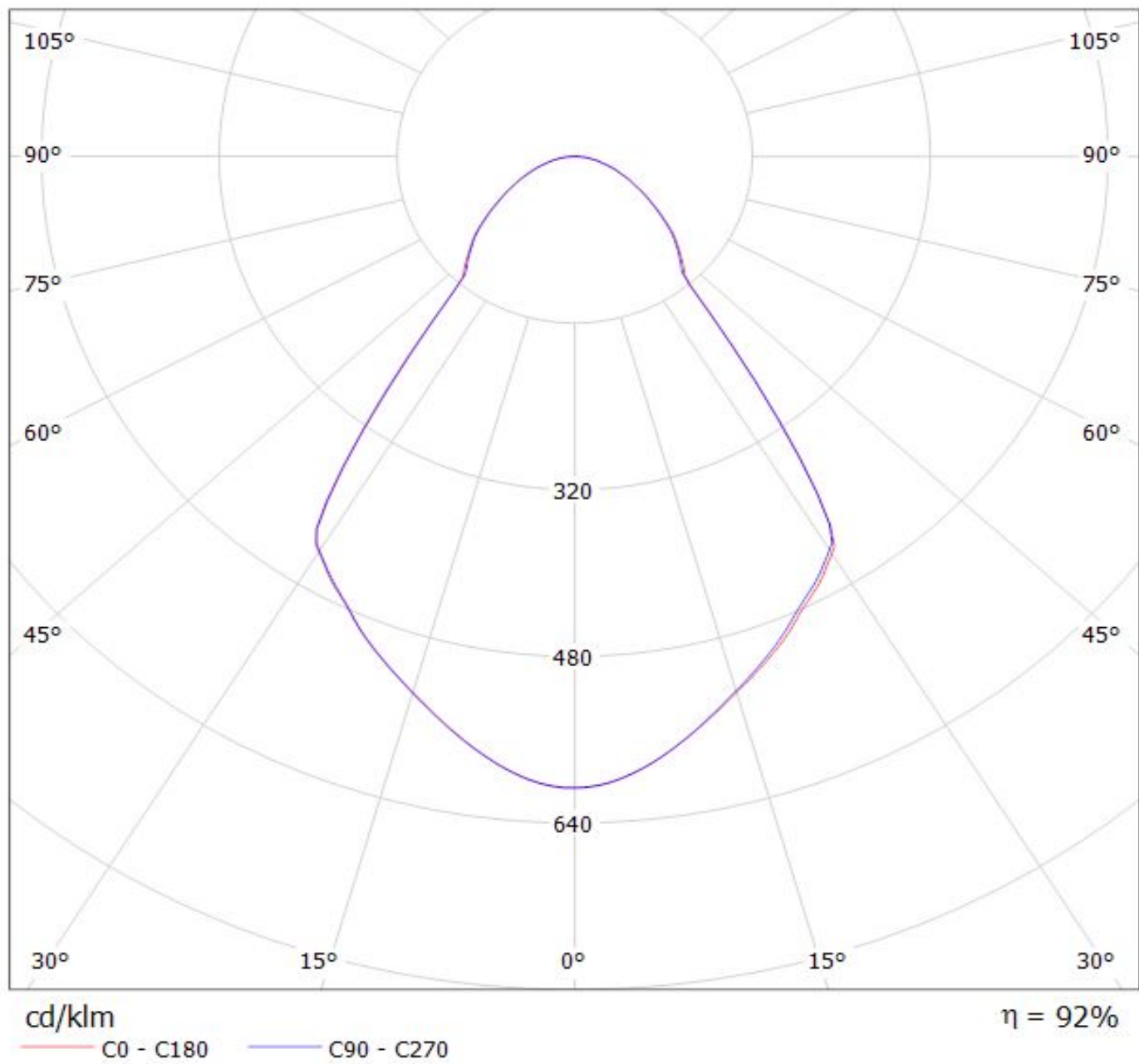
Lamps: 1 x Vossloh_Schwabe-WU-M-485_(WU-M-485-830)_1209.62lm@250mA_P=8.43849W_I=249.8mA



Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-486) Eff.92.1%
Lamps: 1 x Vossloh_Schwabe-WU-M-486_(WU-M-486-830)
_1474.55lm@250mA_P=10.4456W_I=249.8mA

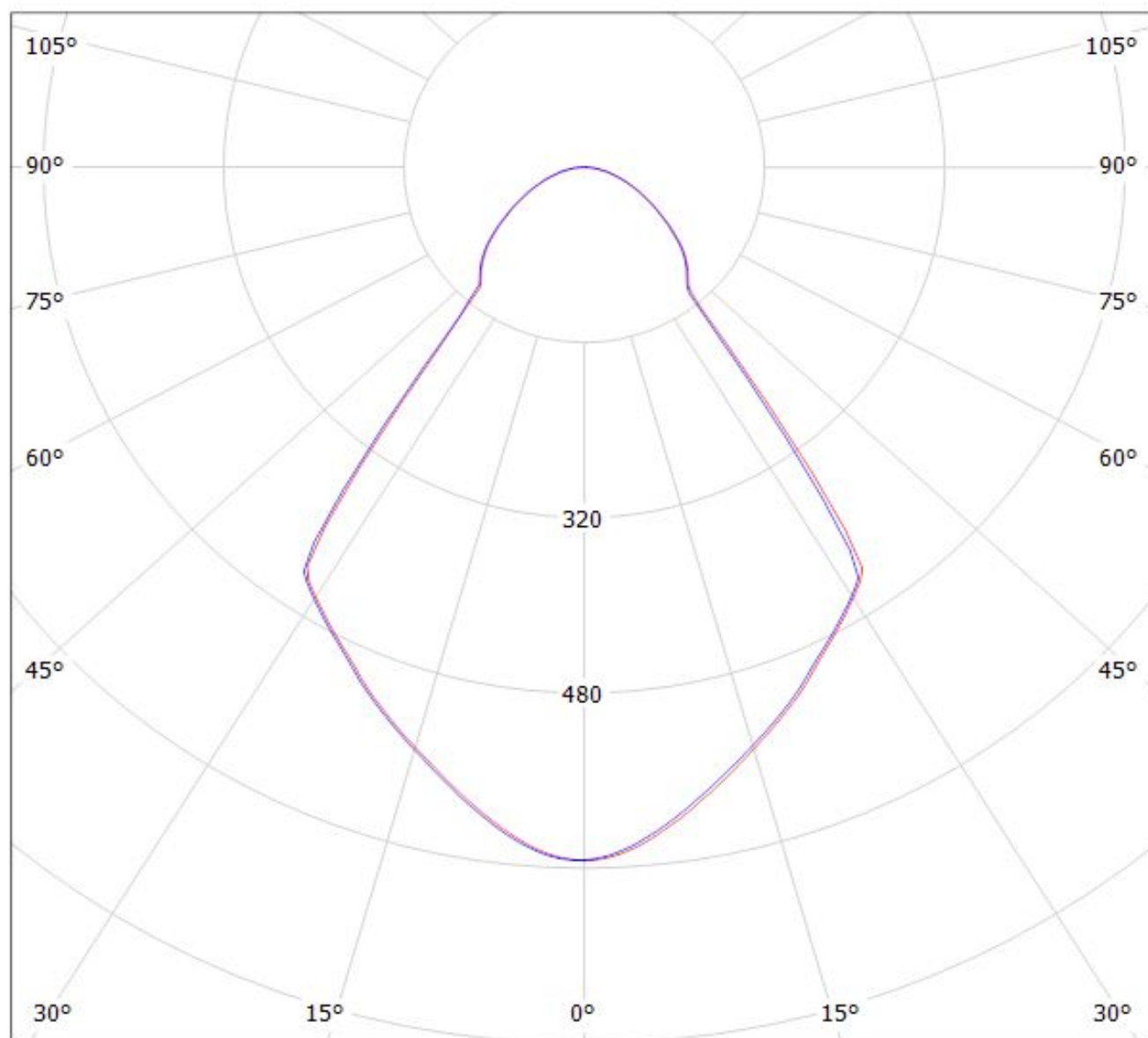


Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-464) Eff.92.5%
Lamps: 1 x VOSSLOH_WU-M-464-827_1452.09lm@250mA_P=11.7139W_I=249.8mA



Luminaire: LEDiL Oy F13840_ANGELA-XW_(NSBxL121A)

Lamps: 1 x Nichia_NSBxL121A_914.478lm@250mA_P=7.56872W_I=249.9mA



cd/klm

$\eta = 93\%$

— C0 - C180

— C90 - C270

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.