

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	production ready
ROHS Compliant	Yes
Date Updated	31/01/2017



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
V13 Gen7	72 deg	Wide	92 %	0.630	TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1
V22 Gen7	sim: 66	Wide	sim: 80 %	sim: 0.658	IDEAL: 50-2204-CT + 50-2100AN
V13 Gen7	sim: 69	Wide	sim: 86 %	sim: 0.667	IDEAL: 50-2103CT + 50-2100AN
CLL03x/CLU03x	70 deg	Wide	93 %	0.700	IDEAL: 50-2103CT + 50-2100AN
CLU720/721	70 deg	Wide	94 %	0.640	IDEAL: 50-2103CT + 50-2100AN
CLU720/721	72 deg	Wide	93 %	0.620	TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1
CXA/B 3590	72 deg	Wide	94 %	0.610	IDEAL: 50-2303CR + 50-2300AN
CXA/B 1830	sim: 73	Wide	sim: 88 %	sim: 0.540	TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1
LUXEON CoB 1204/1205	72 deg	Wide	93 %	0.600	-
LUXEON CoB 1208	71 deg	Wide	93 %	0.600	TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1
CXM-14	72 deg	Wide	93 %	0.630	TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1
COB L-Type (LES 11)	73 deg	Wide	94 %	0.630	Molex: 180580-0005
COB L-Type (LES 11)	72 deg	Wide	92 %	0.630	TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1
COB L-Type (LES 9)	72 deg	Wide	92 %	0.630	TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1
COB J-Type	71 deg	Wide	91 %	0.650	IDEAL: 50-2103NC + 50-2100AN
Soleriq S13	72 deg	Wide	93 %	0.630	TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1
Soleriq S19	72 deg	Wide	92 %	0.630	TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1
PrevaLED Core Z4 LES19	71 deg	Wide	93 %	0.650	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Soleriq P13	72 deg	Wide	93 %	0.630	TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1
Fortimo LED SLM L9 G4 standard	72 deg	Wide	92 %	0.630	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Fortimo LED SLM L13 G4 standard	72 deg	Wide	93 %	0.630	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Fortimo LED SLM L15 G4 standard	72 deg	Wide	93 %	0.630	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Fortimo LED SLM L19 G4 standard	72 deg	Wide	92 %	0.620	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Fortimo SLM G5 LES 9 Standard	72 deg	Wide	92 %	0.630	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Fortimo SLM G5 LES 15 Standard	72 deg	Wide	90 %	0.620	TE: OPTIC CLIP Z50 TYPE1 2213194-1

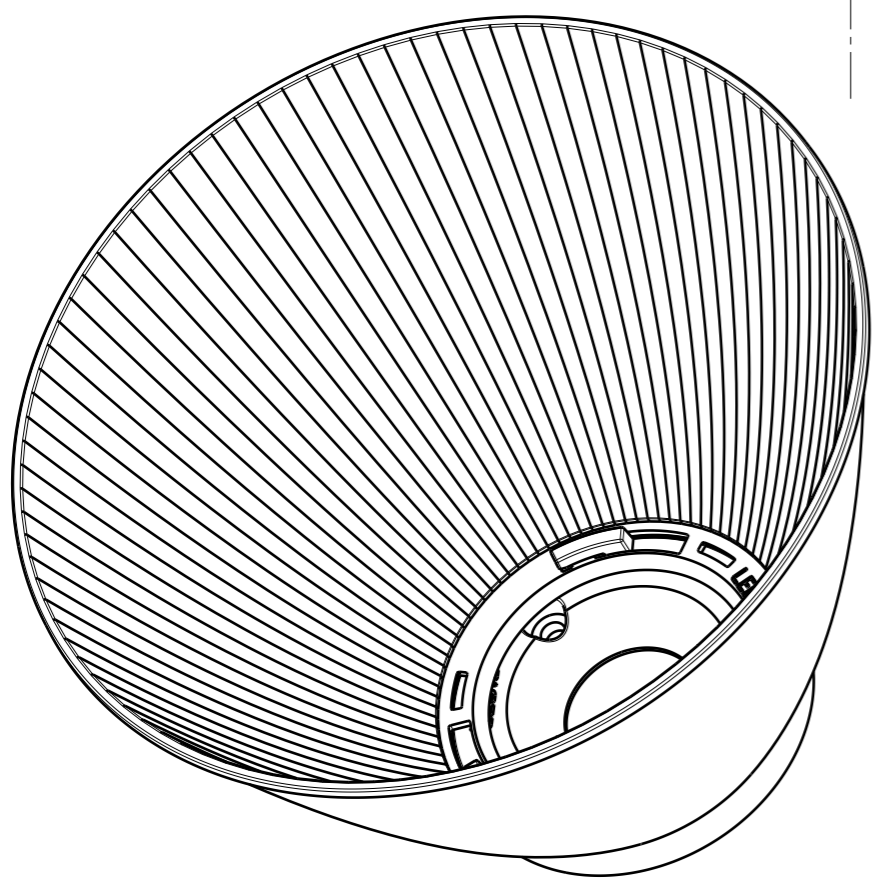
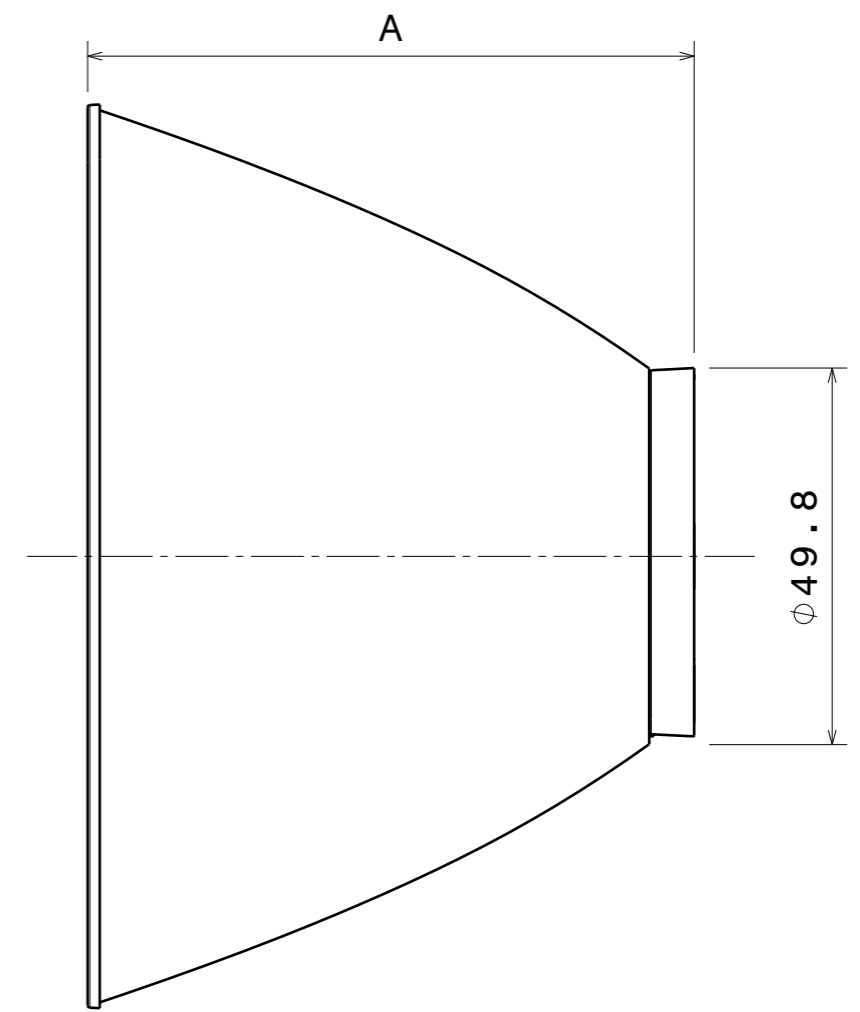
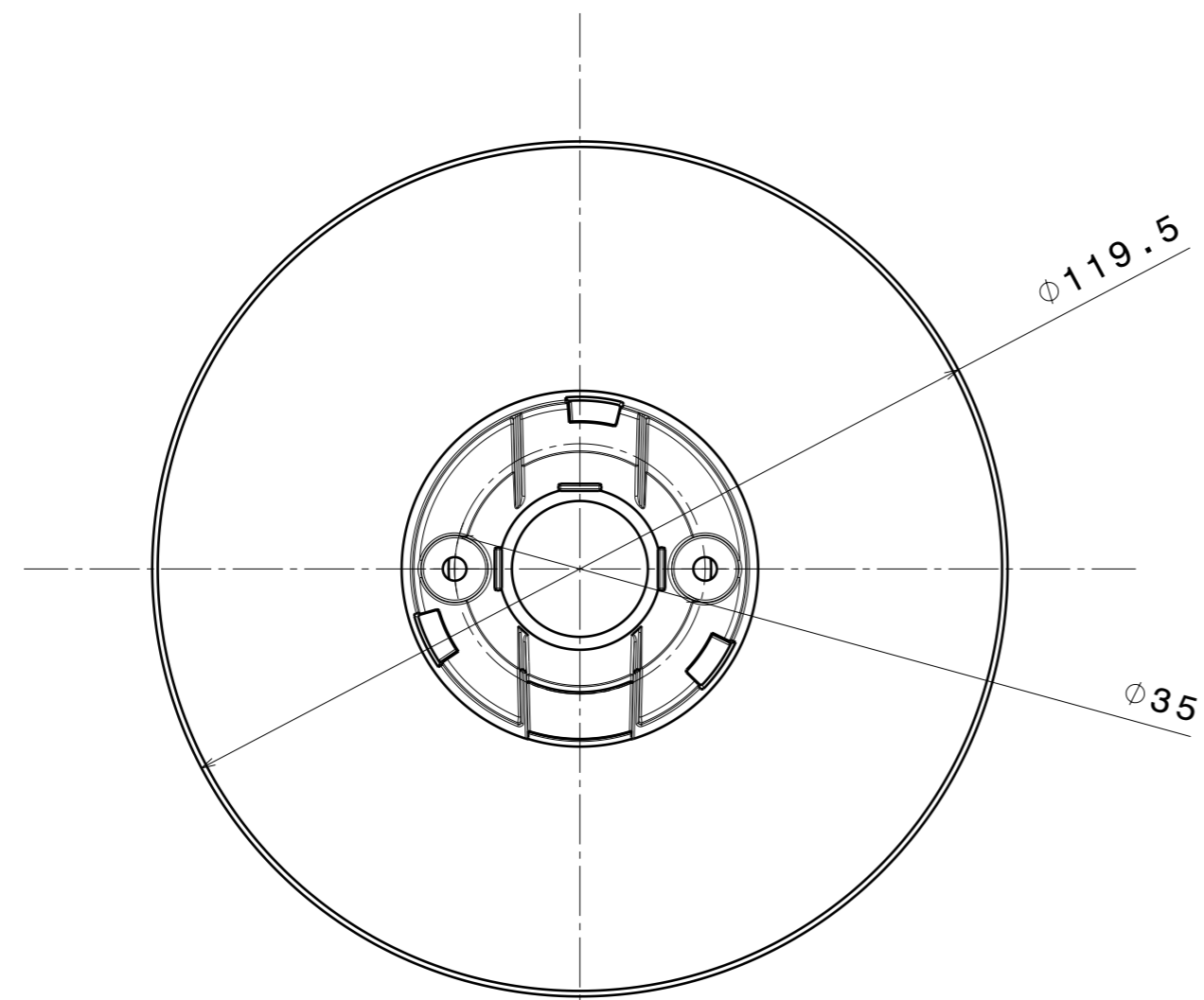
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
Fortimo SLM G5 LES 19 Standard	72 deg	Wide	89 %	0.600	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Fortimo SLM G5 LES 13 Standard	72 deg	Wide	92 %	0.630	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Fortimo SLM 1208 L15 G6 Standard	sim: 73	Wide	sim: 87 %	sim: 0.520	TE: OPTIC CLIP Z50 TYPE1 2213194-1
LC026B/LC040B	72 deg	Wide	93 %	0.630	-
LC040C	72 deg	Wide	92 %	0.630	TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1
STARK SLE G3 LES19	71 deg	Wide	93 %	0.600	TE: OPTIC CLIP Z50 TYPE1 2213194-1
STARK SLE G3 LES23	71 deg	Wide	93 %	0.600	TE: OPTIC CLIP Z50 TYPE1 2213194-1
SLE G4 LES23 H	71 deg	Wide	93 %	0.630	TE: OPTIC CLIP Z50 TYPE1 2213194-1
SLE G4 LES19 H	72 deg	Wide	92 %	0.620	TE: OPTIC CLIP Z50 TYPE1 2213194-1
SLE G5 LES15	72 deg	Wide	93 %	0.630	TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1
SLE G5 LES19 H	72 deg	Wide	89 %	0.610	TE: OPTIC CLIP Z50 TYPE1 2213194-1
SLE G5 LES23 H	71 deg	Wide	93 %	0.640	TE: OPTIC CLIP Z50 TYPE1 2213194-1
WU-M-464	73 deg	Wide	92 %	0.600	TE: OPTIC CLIP Z50 TYPE1 2213194-1
WU-M-461	72 deg	Wide	92 %	0.600	TE: OPTIC CLIP Z50 TYPE1 2213194-1
WU-M-462	72 deg	Wide	92 %	0.600	TE: OPTIC CLIP Z50 TYPE1 2213194-1
WU-M-484	73 deg	Wide	92 %	0.608	TE: OPTIC CLIP Z50 TYPE1 2213194-1
WU-M-485	73 deg	Wide	92 %	0.600	TE: OPTIC CLIP Z50 TYPE1 2213194-1
WU-M-486	73 deg	Wide	92 %	0.600	TE: OPTIC CLIP Z50 TYPE1 2213194-1

H G F E D C B A

4
3
2
1


4
3
2
1



	DIMENSION A
WITH LEDIL LUXEON S SOCKETS	80.5 mm
WITH TYCO SOCKET	80.5 mm
WITH LEDIL BRIDGELUX VERO SOCKETS	79.5 mm

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
DATA SHEET ANGELA

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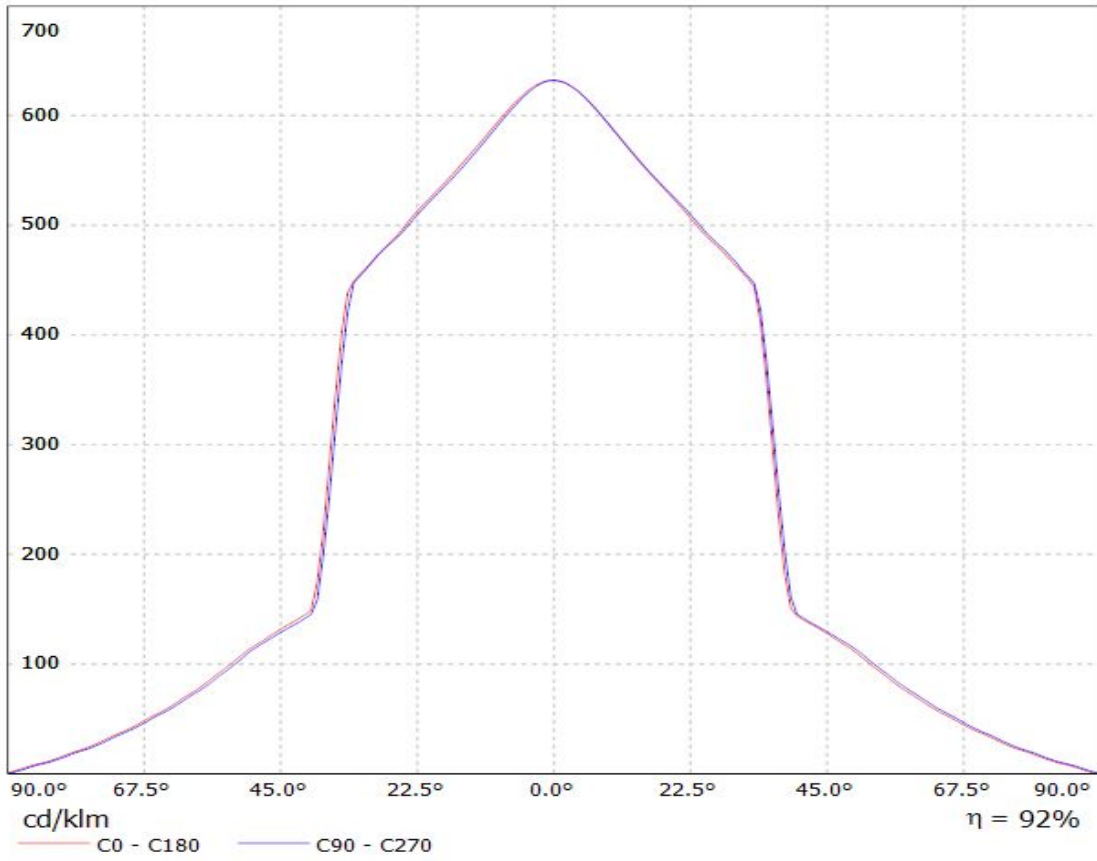
SIZE	PART NUMBER		
A3	-		

SCALE	1:1	WEIGHT	-	SHEET	1/1
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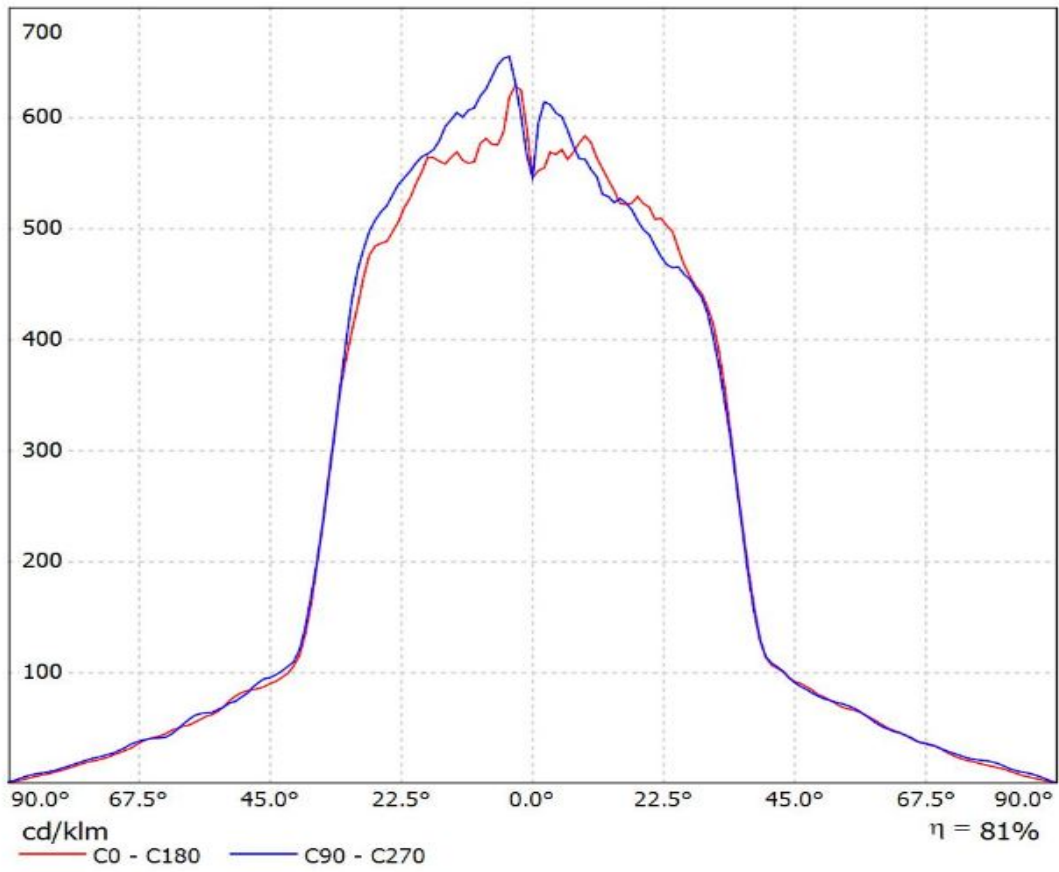
H G B A

Luminaire: LEDiL Oy F13840_ANGELA-XW_(V13_Gen7)+TE

Lamps: 1 x Bridgelux_V13_Gen7_(BXRE-30E2000-B_+TE_2213254-2+TE_2213194-1)_1295.55lm@250mA_P=8.30985W_I=0.25A

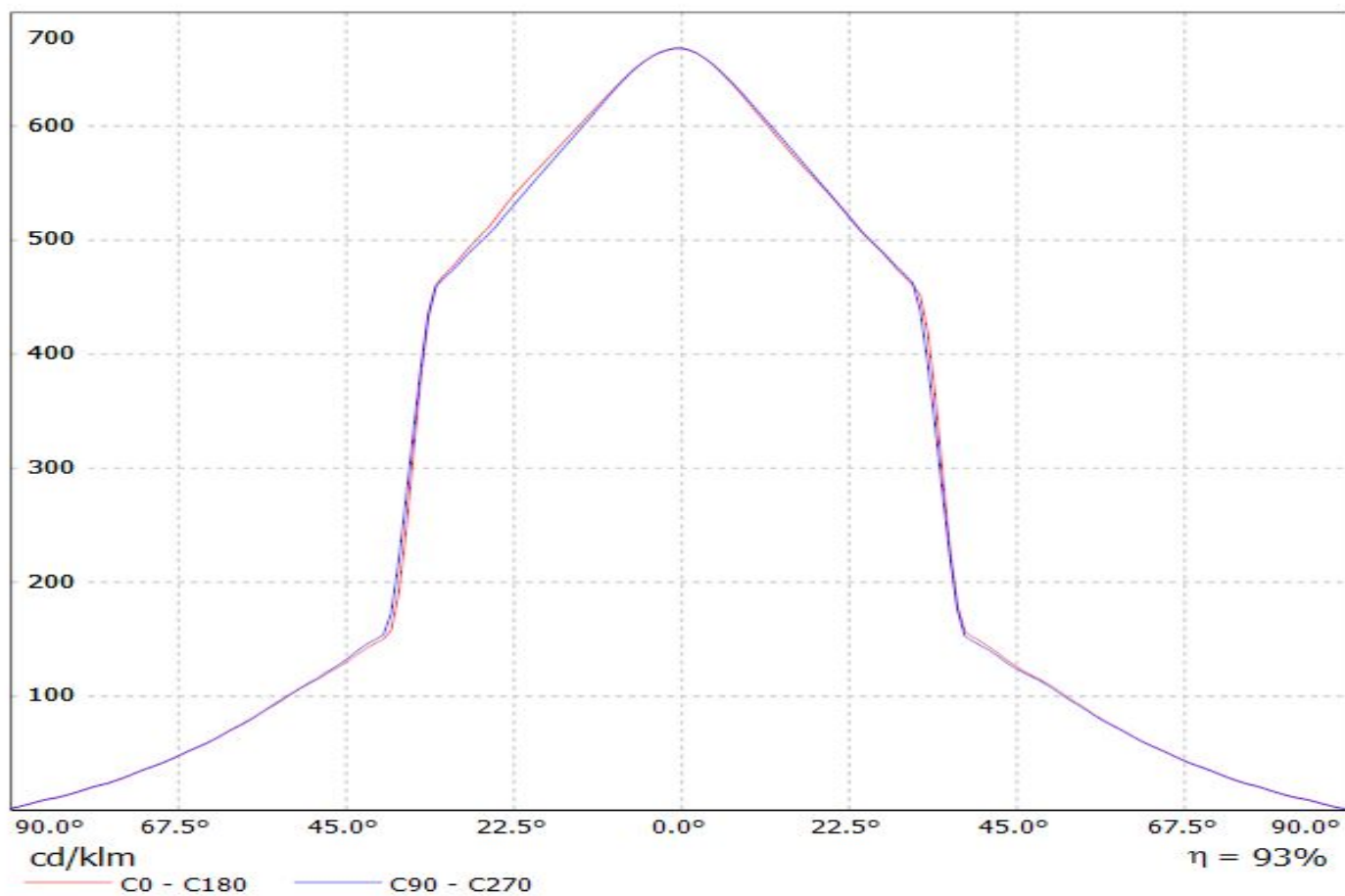


Luminaire: Ledil Oy F13840_ANGELA-XW_Bridgelux_V22_Gen7_SIMULATED F13840_ANGELA-XW_Bridgelux_V22_Gen7_SIMULATED
Lamps: 1 x F13840_ANGELA-XW_Bridgelux_V22_Gen7_SIMULATED

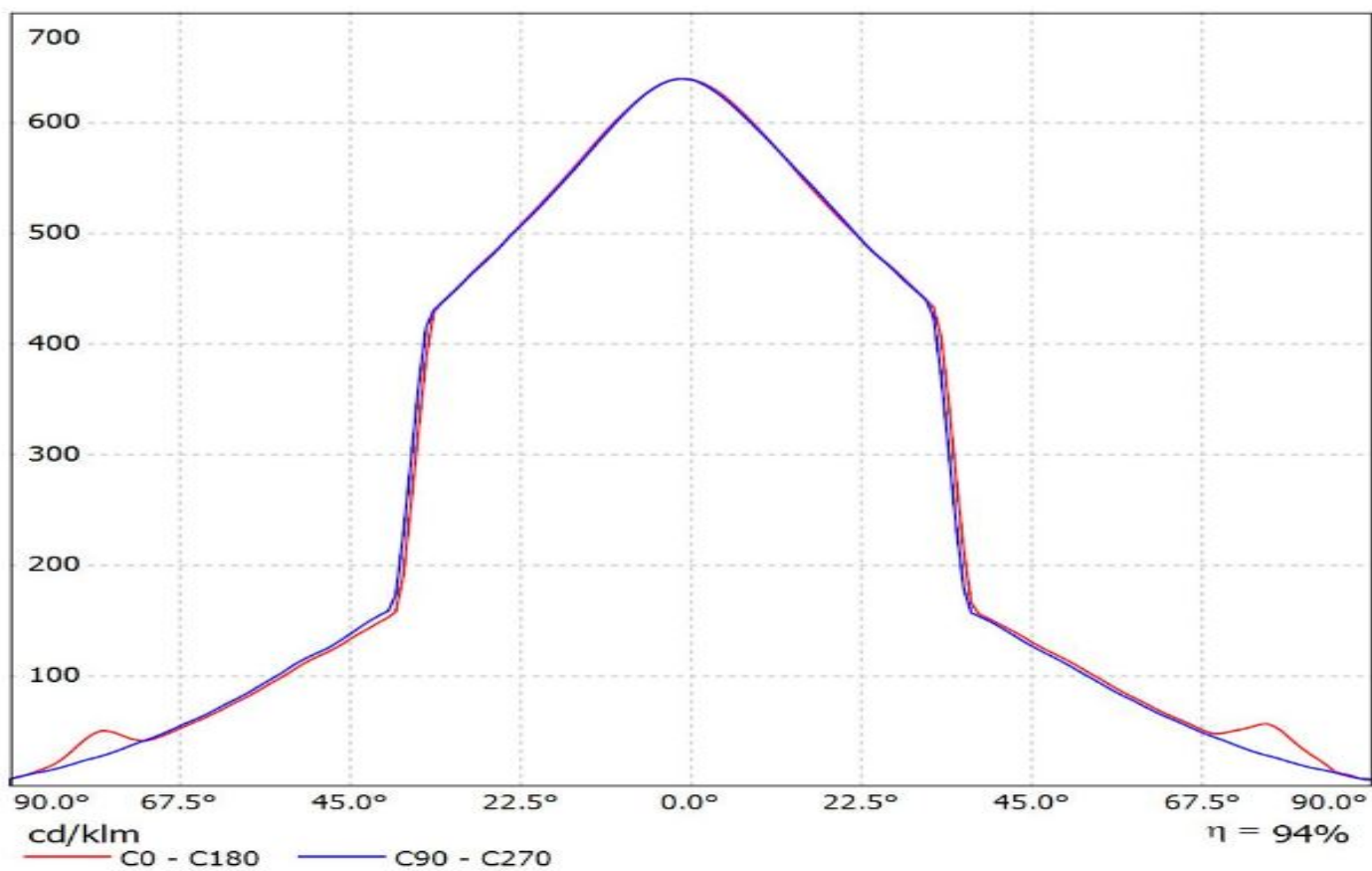


Luminaire: LEDiL Oy F13840_ANGELA-XW_(CLL030)

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

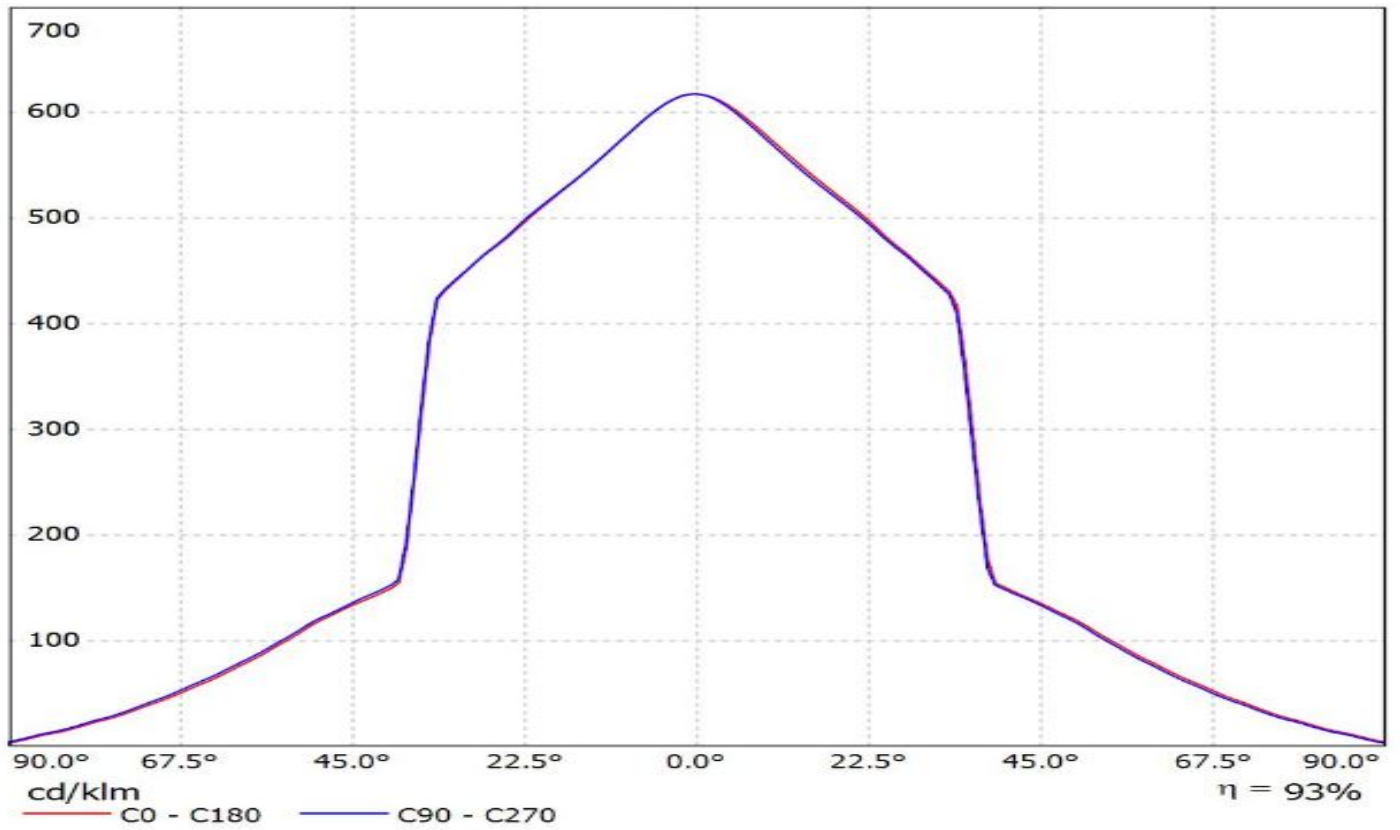


Luminaire: Ledil F13840_ANGELA-XW_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1337.27lm@250mA_CCT=2700K_P=8.35W_I=0.25A

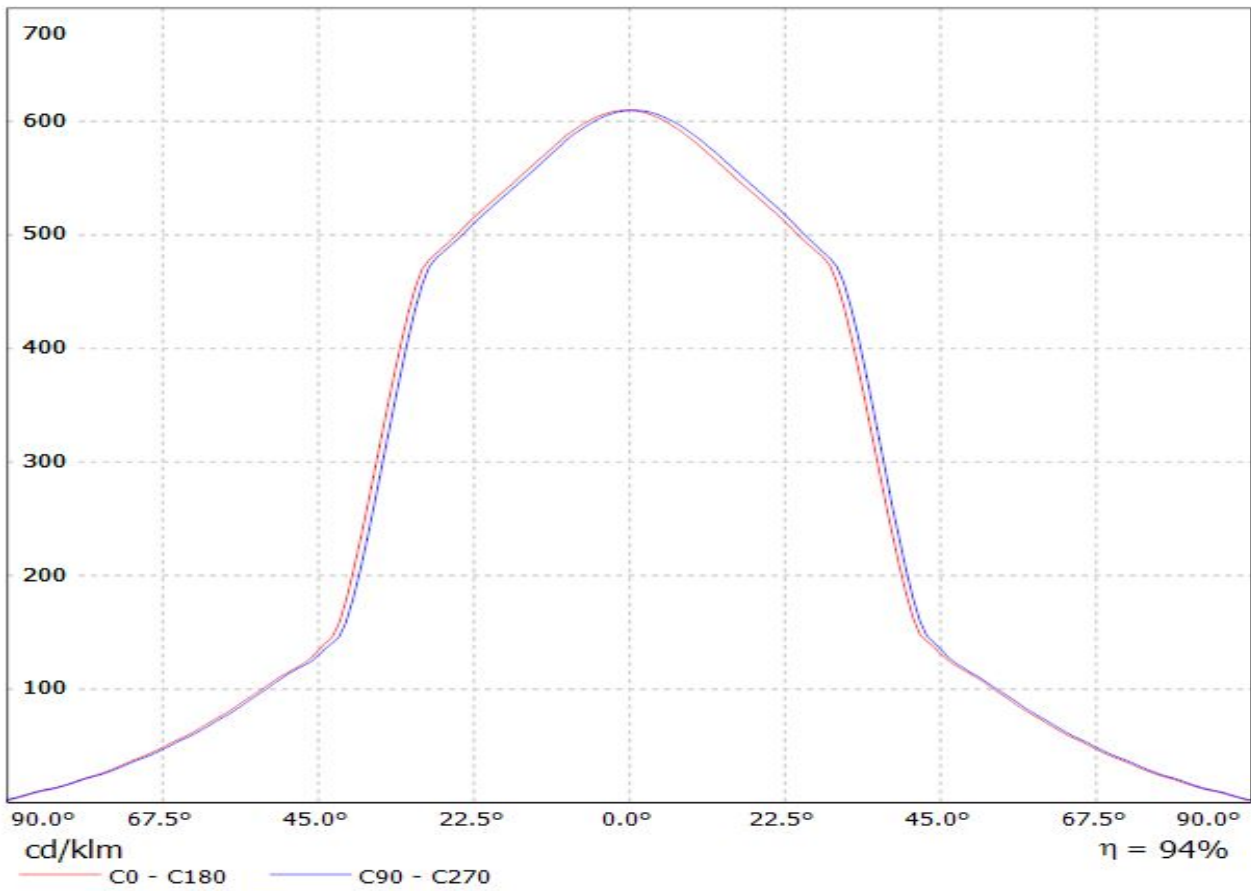


Ledil F13840_ANGELA-XW_(CLU720) / LDC (Linear)

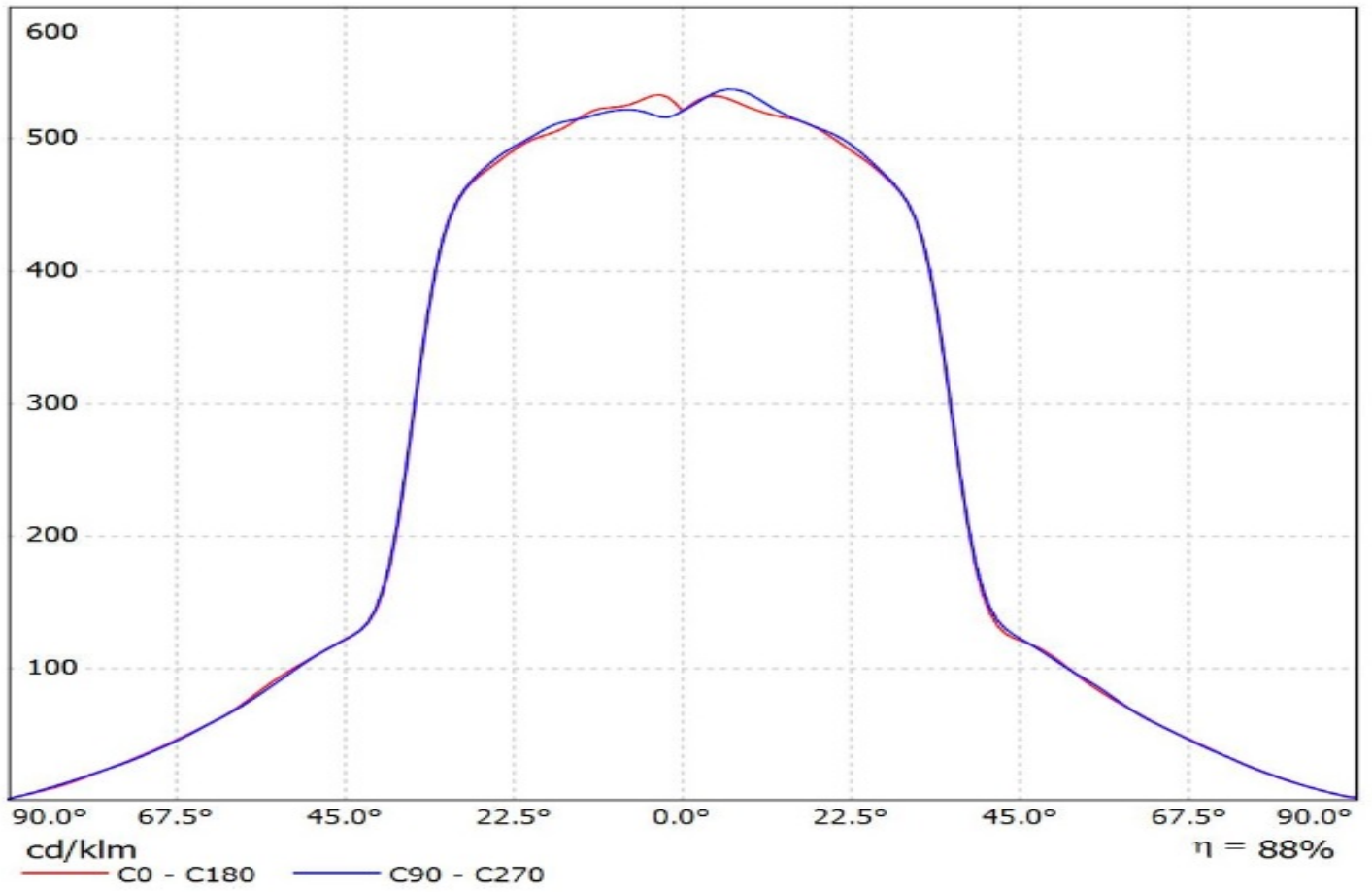
Luminaire: Ledil F13840_ANGELA-XW_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1344.79lm@250mA_CCT=2700K_P=8.35W_I=0.25A



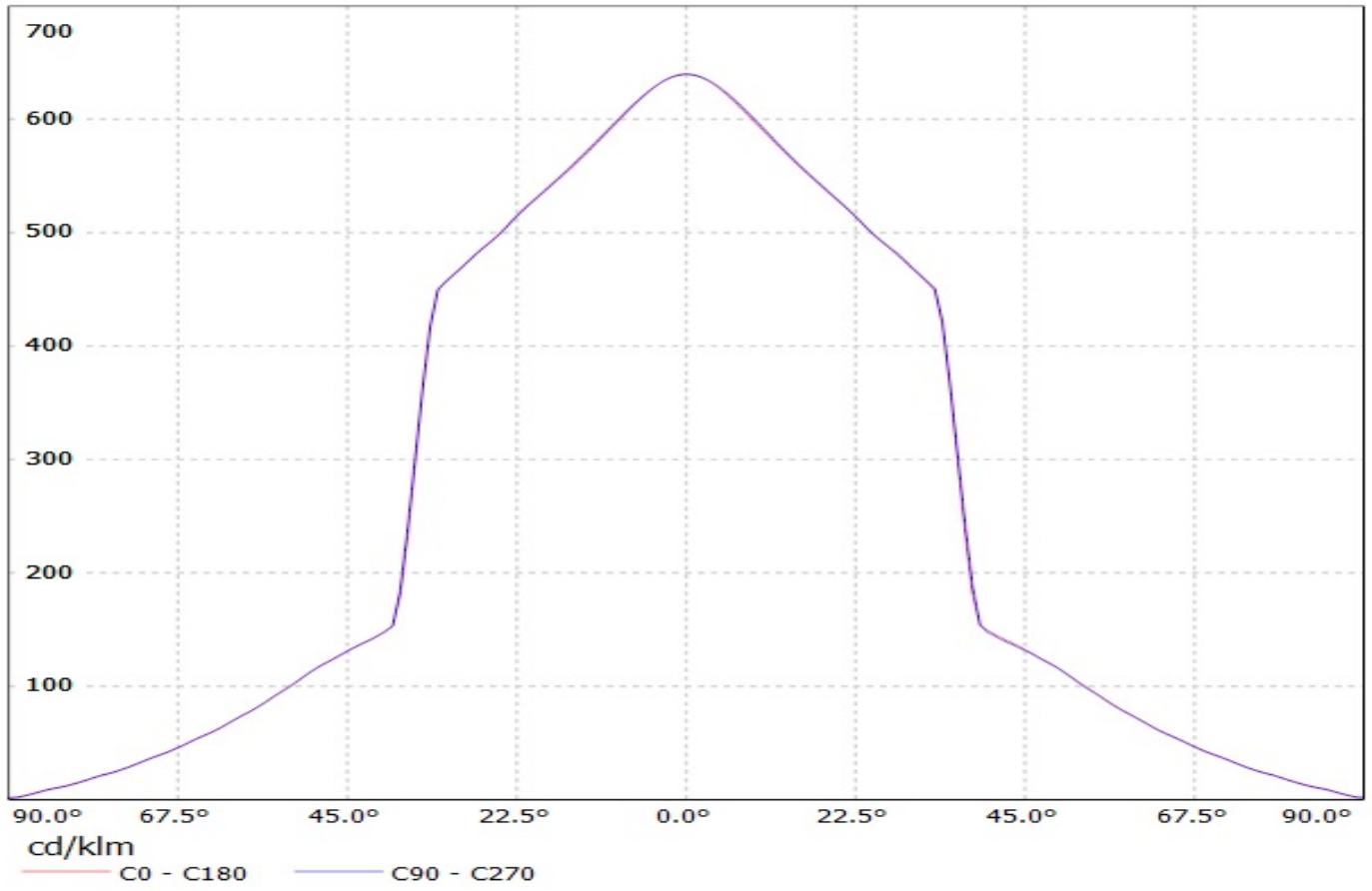
Luminaire: LEDiL Oy F13840_ANGELA-XW_(CXA3590)
Lamps: 1 x CREE_CXA3590_(CXA3590-30F-BD-R0H-0002)_2640.14lm@250mA_CCT=3000K_P=16.3941W_I=249.1



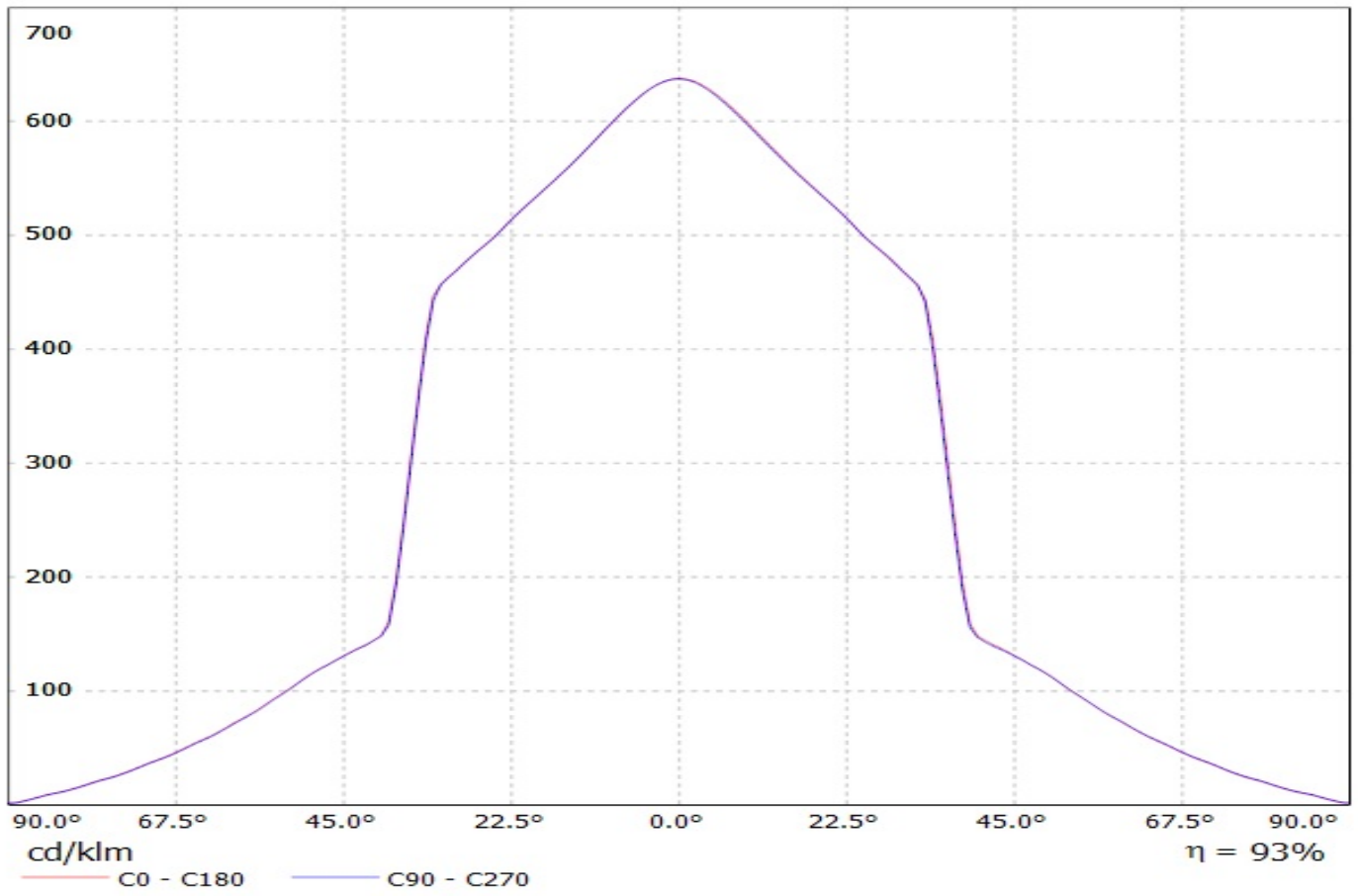
Luminaire: Ledil Oy F13840_ANGELA-XW_(CXB1830)_ (TE_2213401-2+TE_2213194-1)_SIMULATED
Lamps: 1 x Cree CXB1830 + Tyco Electronics 2213401-2 + TE 2213194-1



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

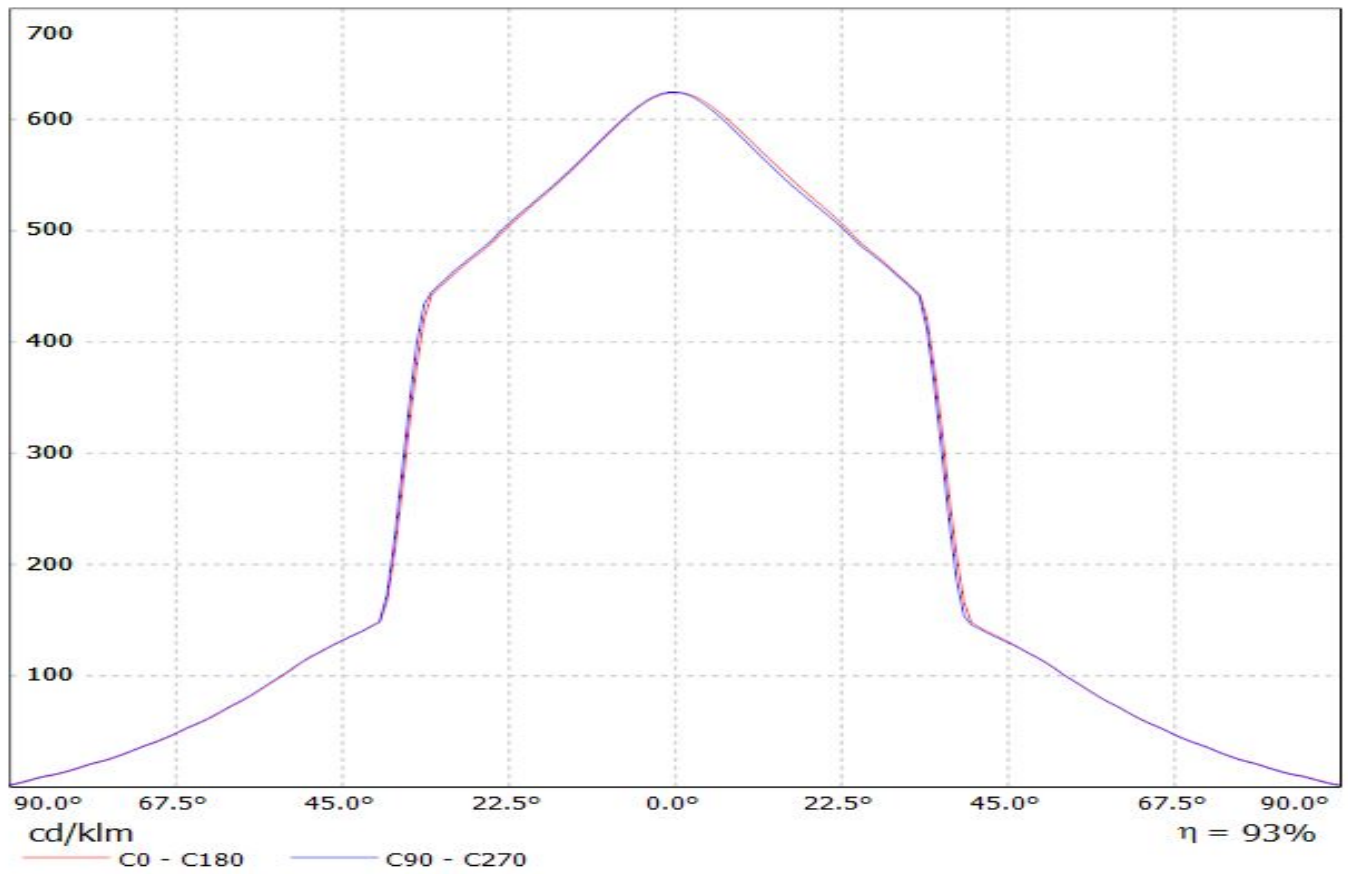


Luminaire: LEDiL Oy F13840_ANGELA-XW_(COB_1208) Eff: 93%
Lamps: 1 x Luxeon_COB_1208_1037.85lm@250mA_P=8.27294W_I=249.9mA



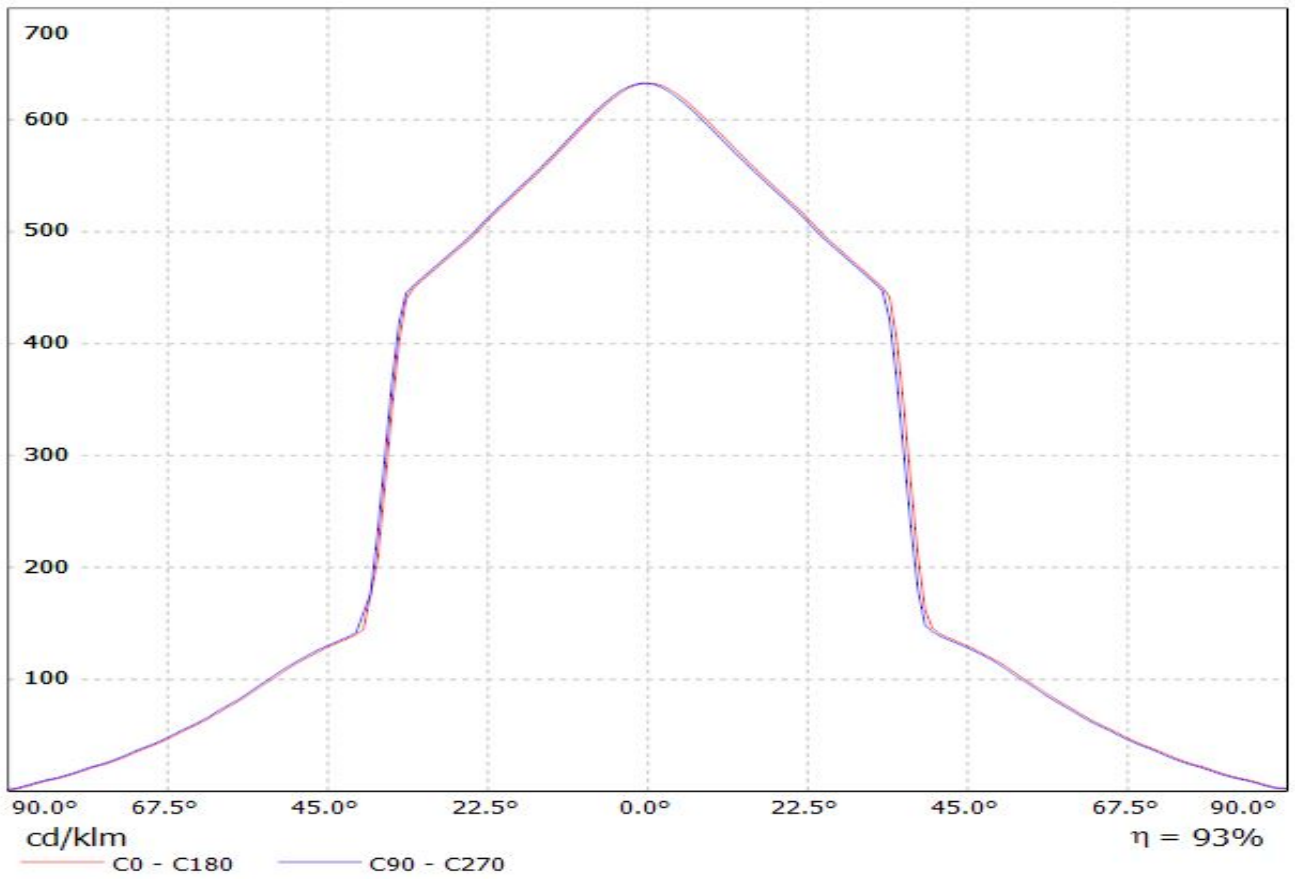
Luminaire: LEDiL Oy F13840_ANGELA-XW_(CXM-14)

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



Luminaire: LEDiL Oy F13840_ANGELA-XW_(NSBxL121A)

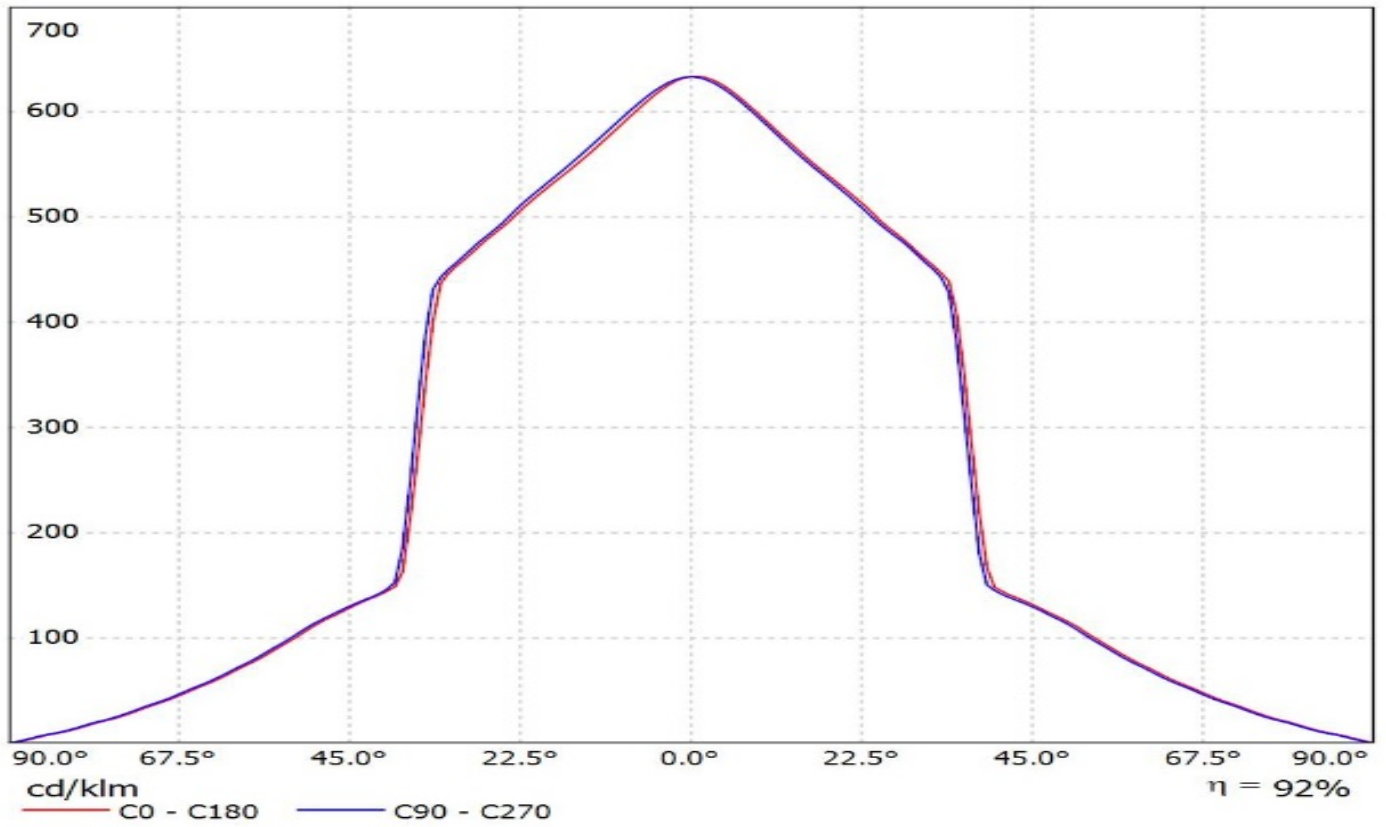
Lamps: 1 x Nichia_NSBxL121A_914.478lm@250mA_P=7.56872W_I=249.9mA



Ledil F13840_ANGELA-XW_(NFCxL060B)_Tyco / LDC (Linear)

Luminaire: Ledil F13840_ANGELA-XW_(NFCxL060B)_Tyco

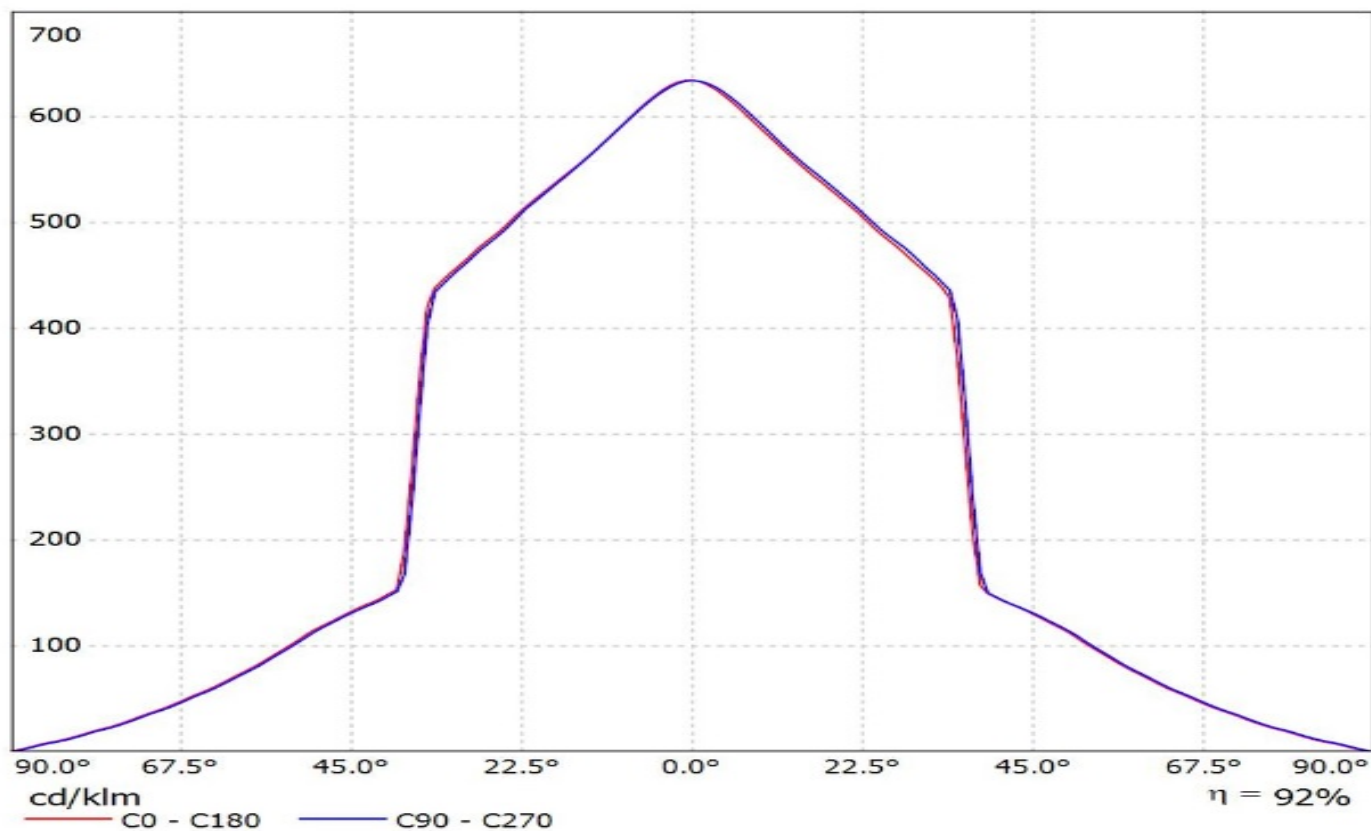
Lamps: 1 x Nichia_NFCxL060B_(SM403G2450R8000)_(2213382-2)_(2213194-1)
_1333.35lm@250mA_P=8.4855W_I=0.2500A



Ledil F13840_ANGELA-XW_(NFCxL036B)_Tyco / LDC (Linear)

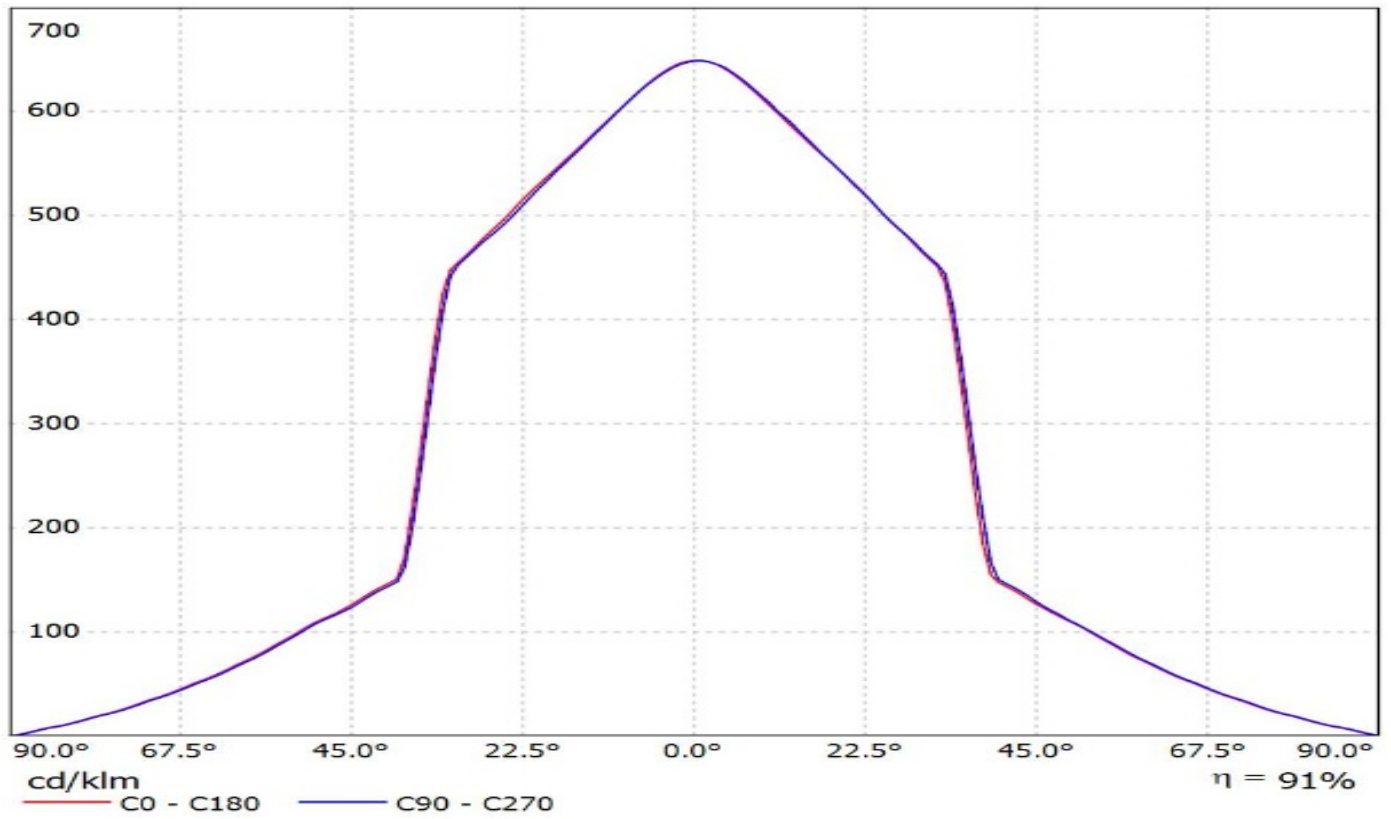
Luminaire: Ledil F13840_ANGELA-XW_(NFCxL036B)_Tyco

Lamps: 1 x Nichia_NFCxL036B_(SM403J1300R8000)_(2213382-2)_(2213194-1)
_555.018lm@100mA_P=3.3461505W_I=0.0999A

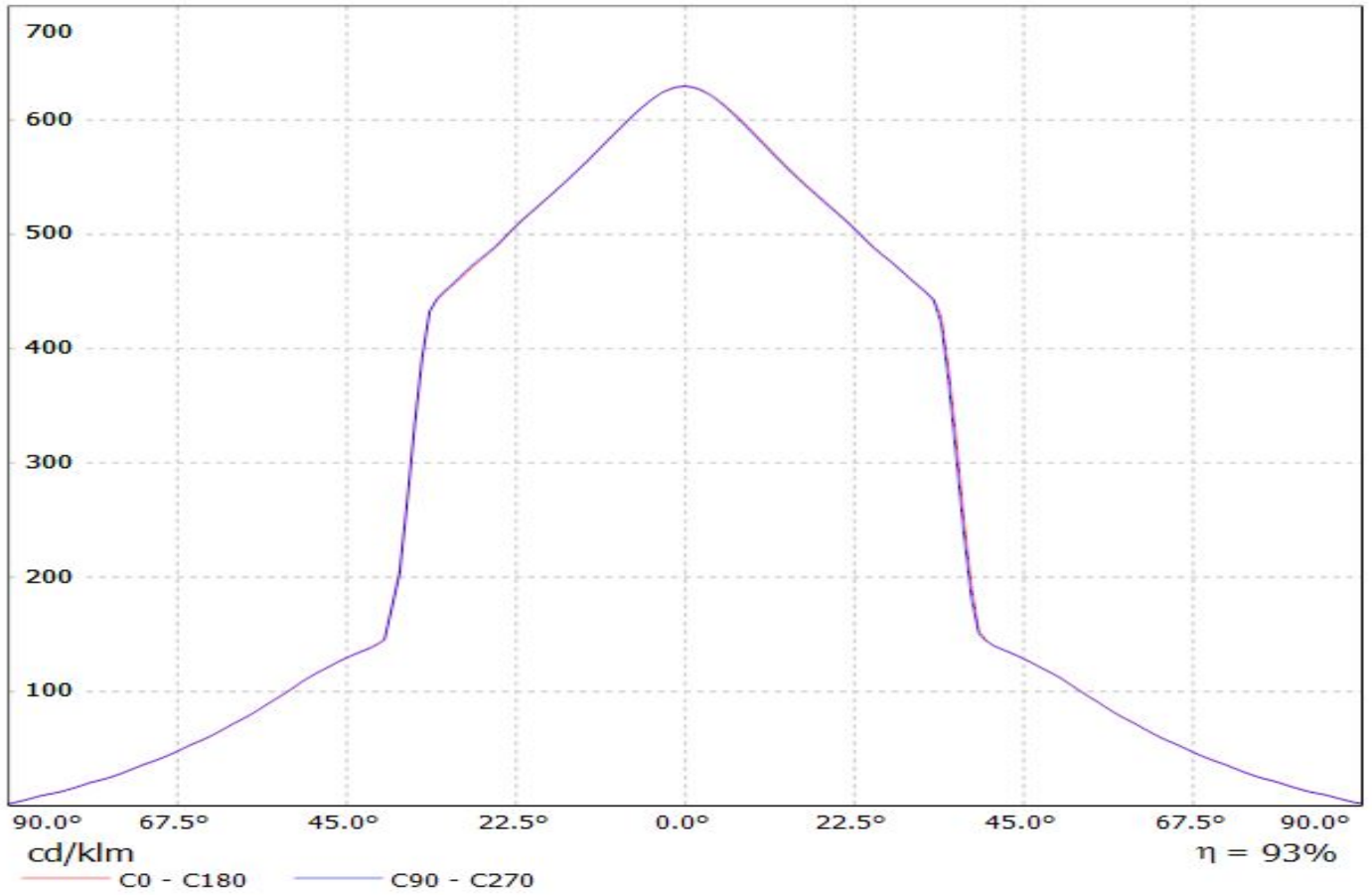


Ledil F13840_ANGELA-XW_(NFDxJ130B)_(IDEAL_50-2103NC)_(502100AN) / LDC (Linear)

Luminaire: Ledil F13840_ANGELA-XW_(NFDxJ130B)_(IDEAL_50-2103NC)_(502100AN)
Lamps: 1 x Nichia_NFDxJ130B_(NFDLJ130B)_(IDEAL_50-2103NC)_(502100AN)
_1498.26lm@250mA_P=8.90575W_I=0.2500A

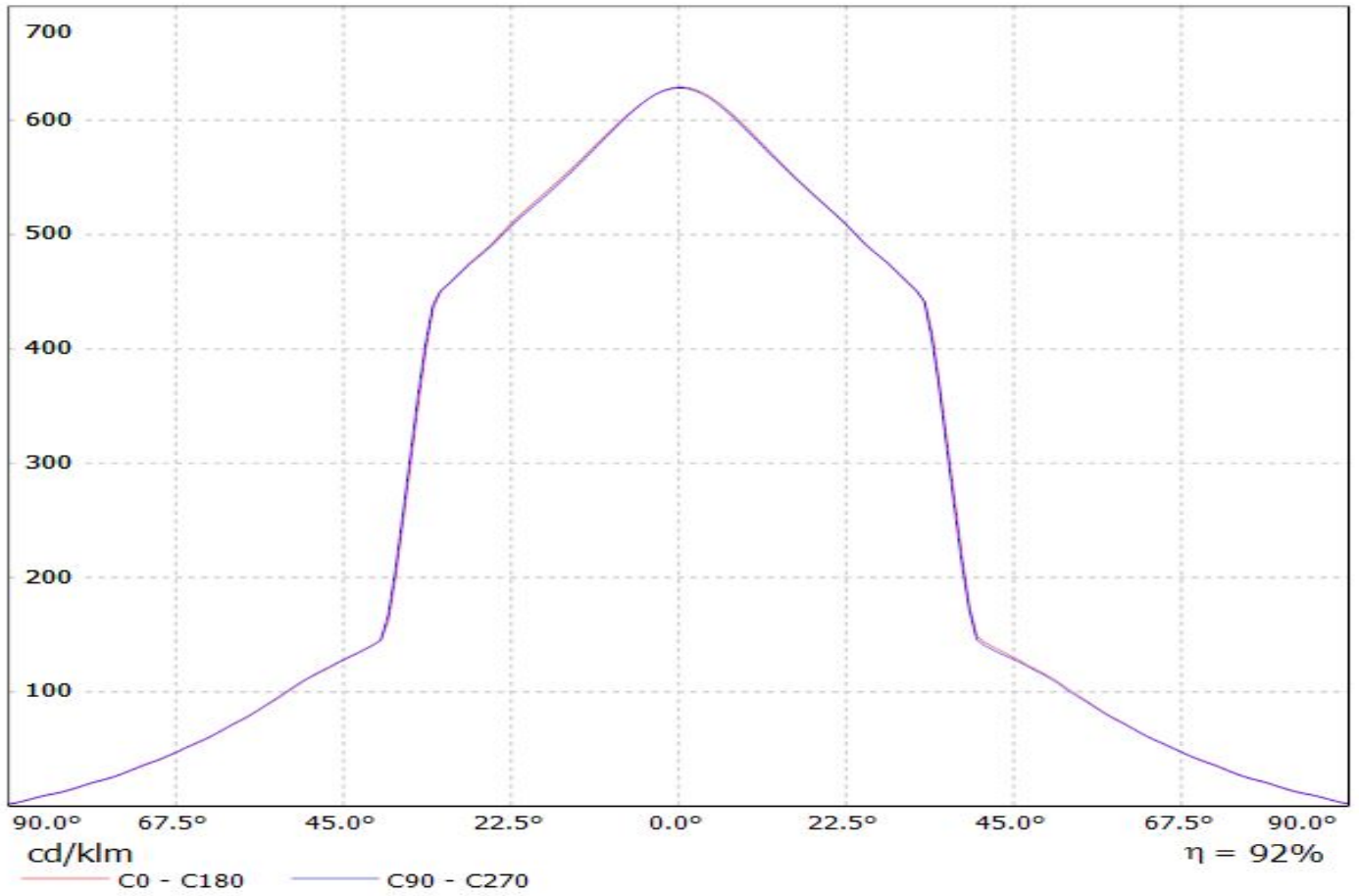


Luminaire: LEDiL Oy F13840_ANGELA-XW_(S13) Eff.92.5%
Lamps: 1 x Osram_Soleriq_S13_883.206lm@250mA_P=7.45153W_I=249.8mA

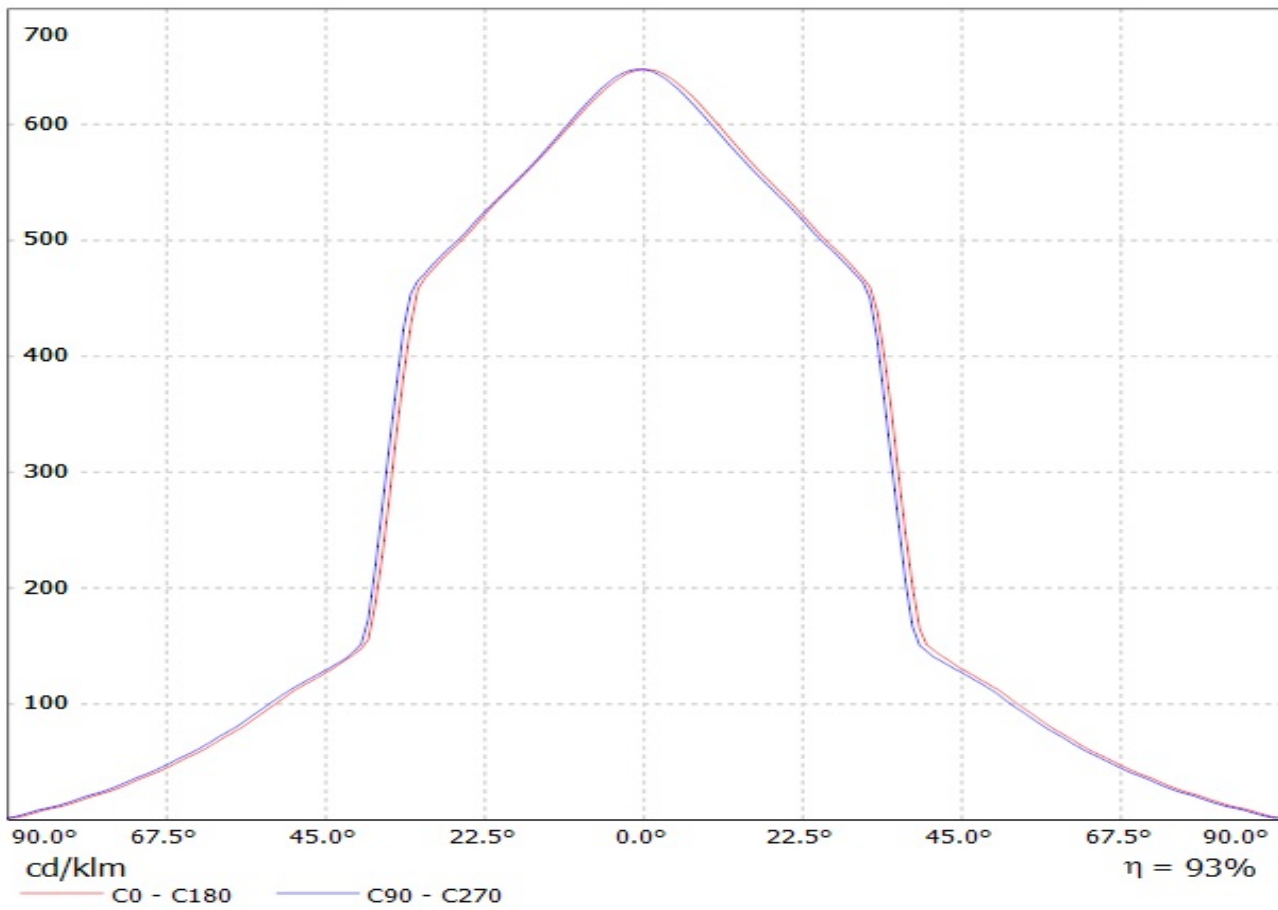


Luminaire: LEDiL Oy F13840_ANGELA-XW_(S19) Eff.92.4%

Lamps: 1 x Osram_Soleriq_S19_1396.23lm@250mA_P=10.5575W_I=249.8mA

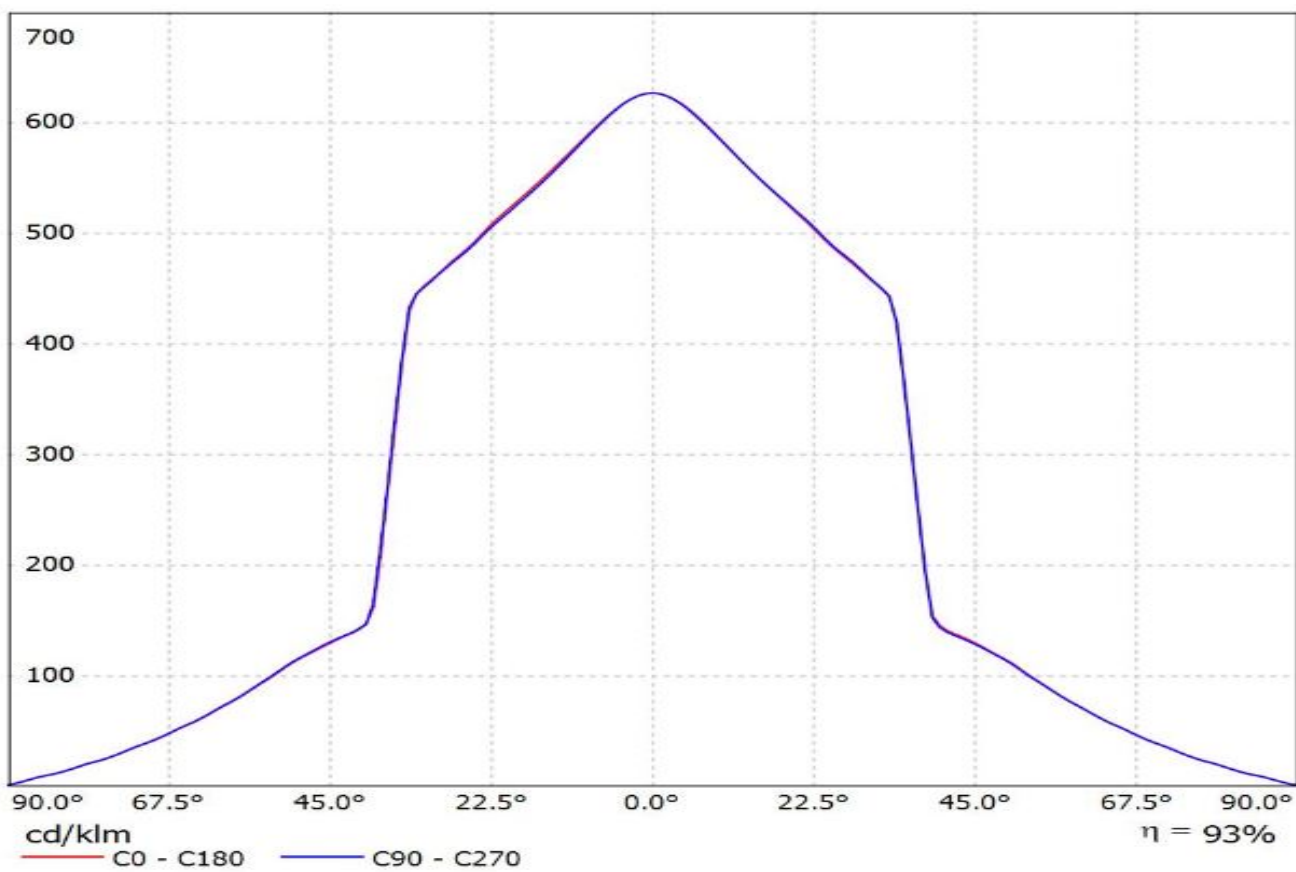


Luminaire: LEDiL Oy F13840_ANGELA-XW_(PrevaLED_Z4) Eff: 93%
Lamps: 1 x Osram_PrevaLED_CORE_Z4_(PL-CORE-3000-830-Z4)_1423.93lm@250mA_P=10.7652W_I=249.9mA

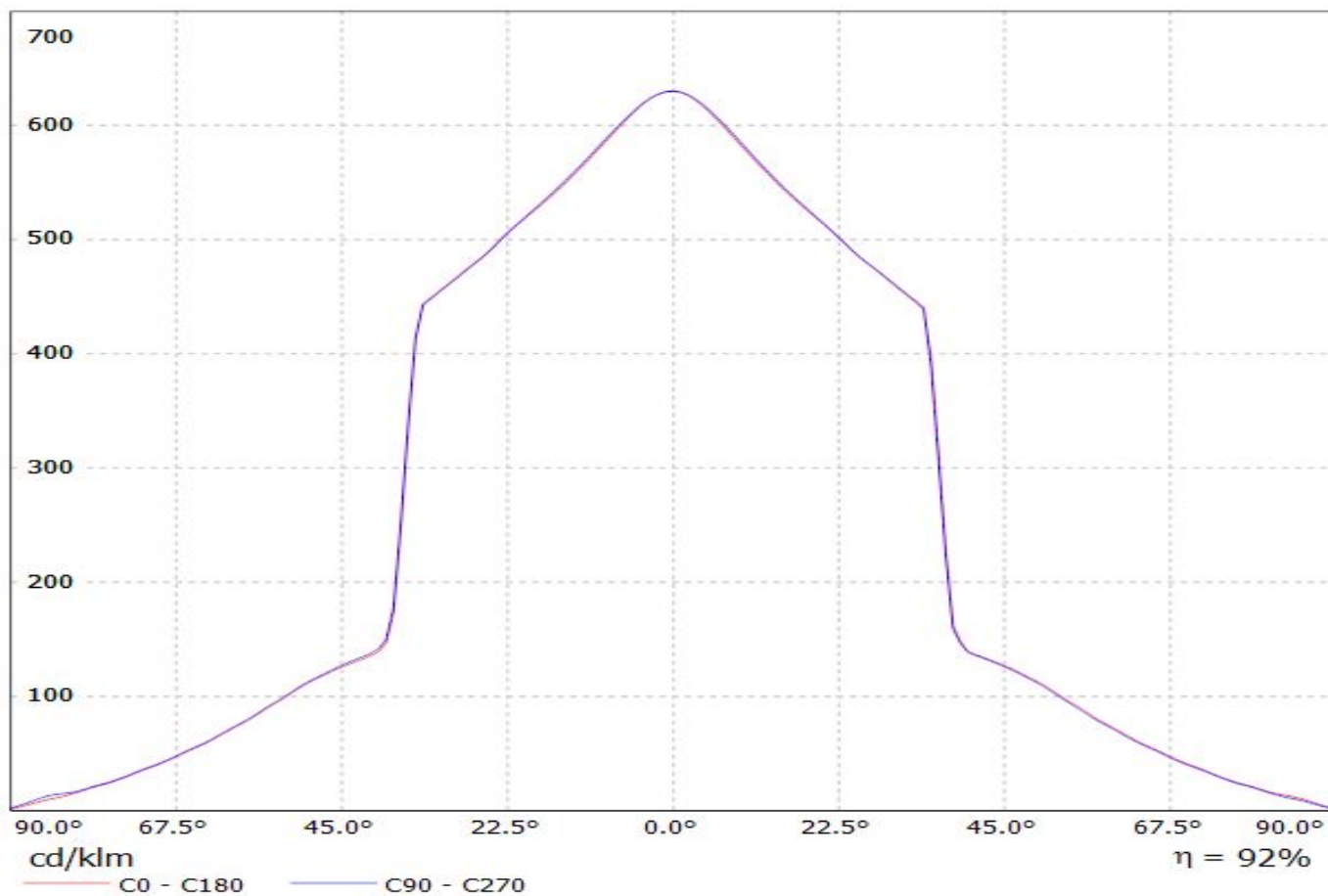


Luminaire: LEDiL Oy F13840_ANGELA-XW_(SOLERIQ_P13)

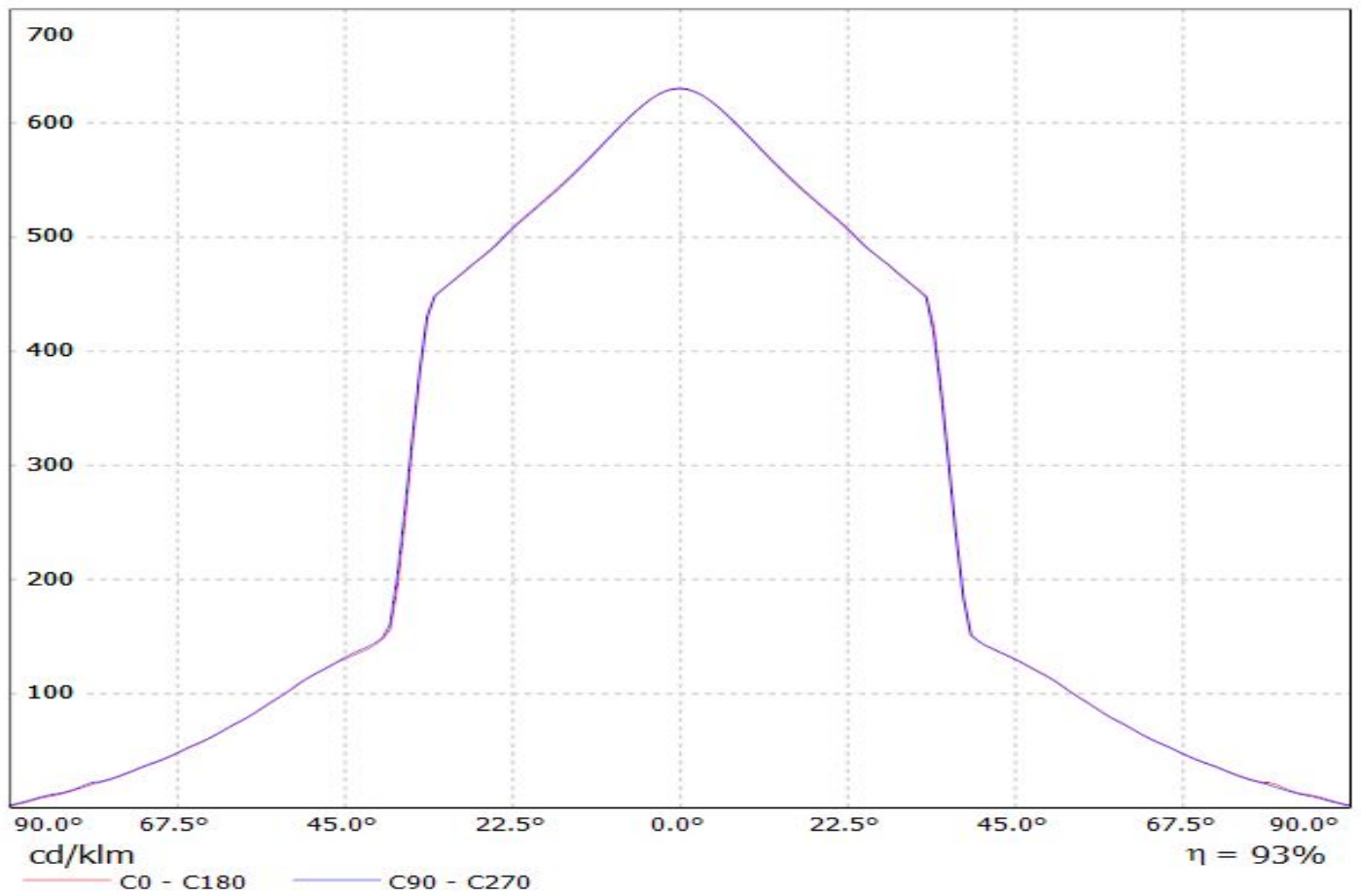
Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_1038.25lm@250mA_CCT=3000K_P=8.77223W_I=249.8mA



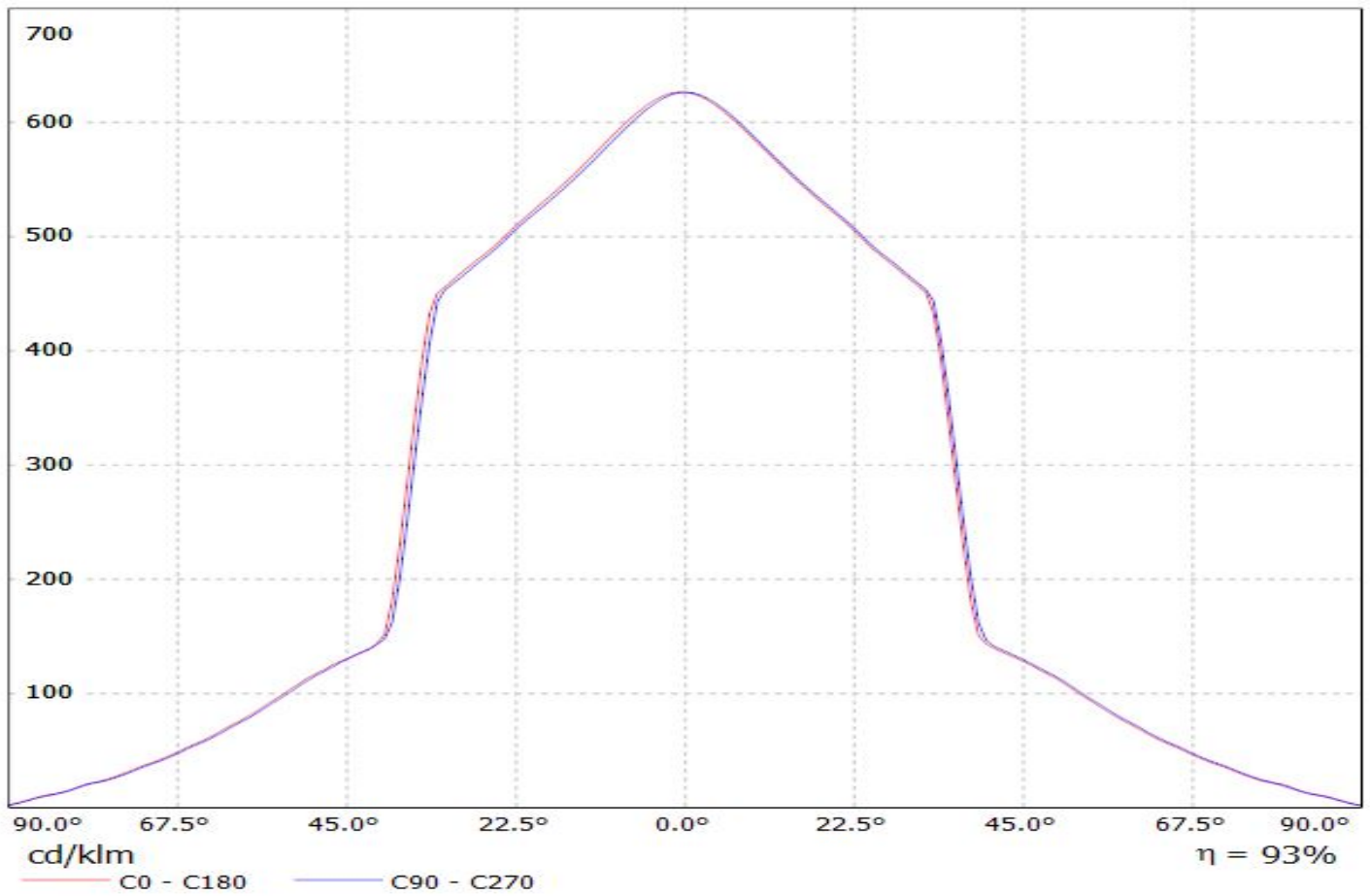
Luminaire: LEDiL Oy F13840_ANGELA-XW_(Fortimo LED SLM 1100 Im 830 L9 G4)
Lamps: 1 x Fortimo LED SLM 1100 Im 830 L9 G4_1021.27lm@250mA_P=9.2431W_I=0.2498A



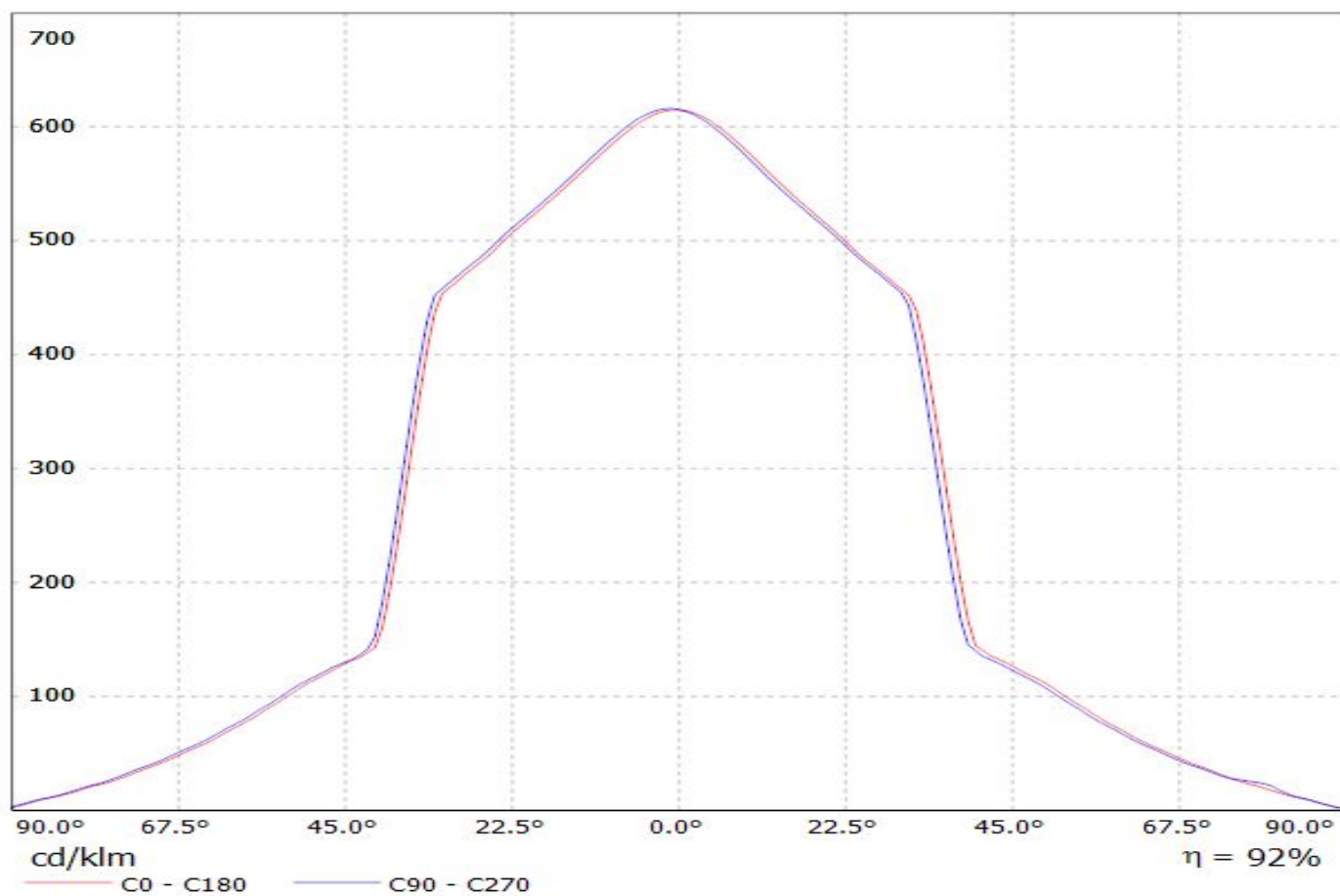
Luminaire: LEDiL Oy F13840_ANGELA-XW_(Fortimo LED SLM L13 G4)
Lamps: 1 x Fortimo LED SLM L13 G4_1030.19lm@250mA_P=8.38104W_I=0.2498A



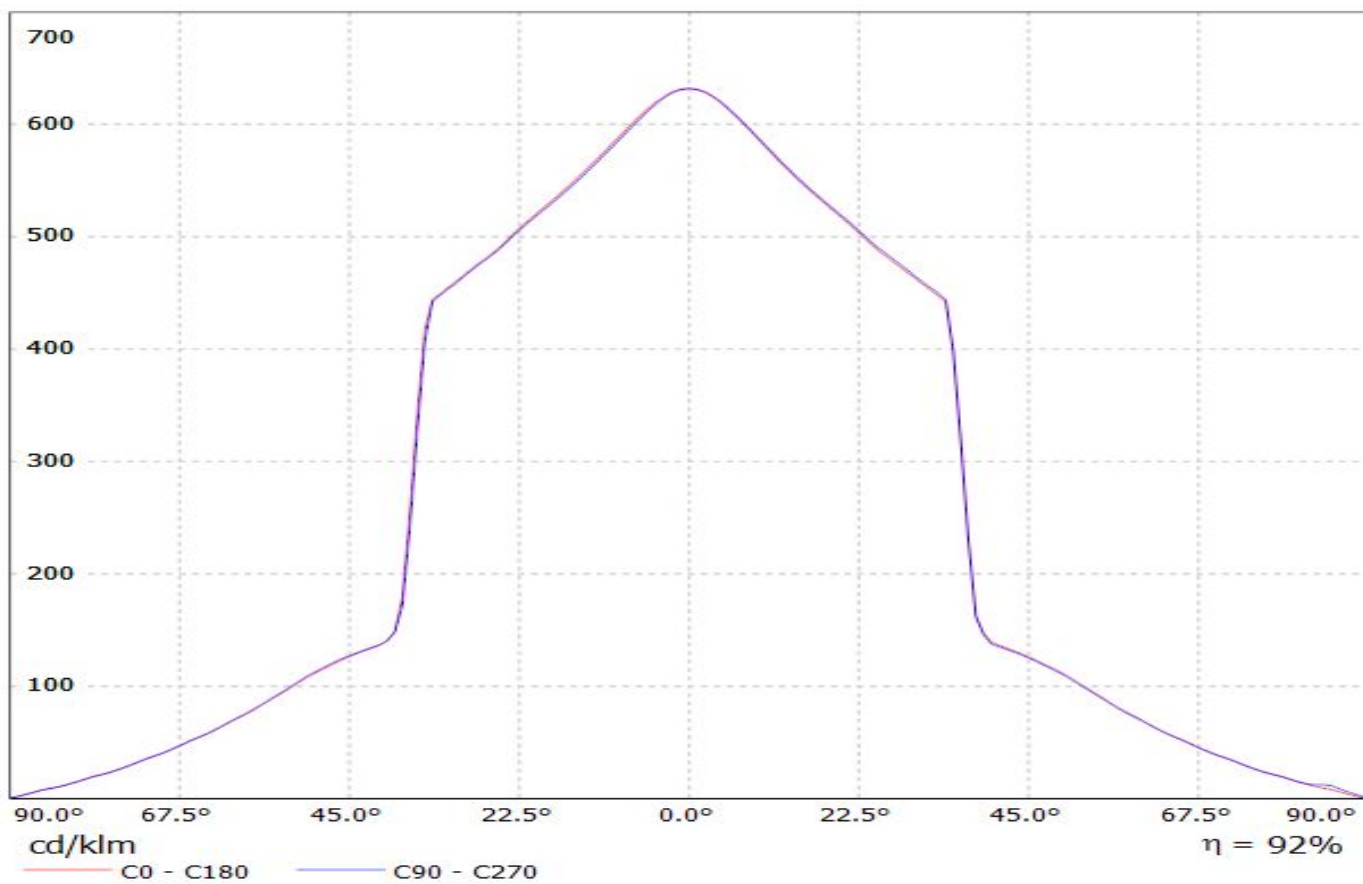
Luminaire: LEDiL Oy F13840_ANGELA-XW_(Fortimo LED SLM L15 G4)
Lamps: 1 x Fortimo LED SLM L15 G4_1116.47lm@250mA_P=8.21168W_I=0.2498A



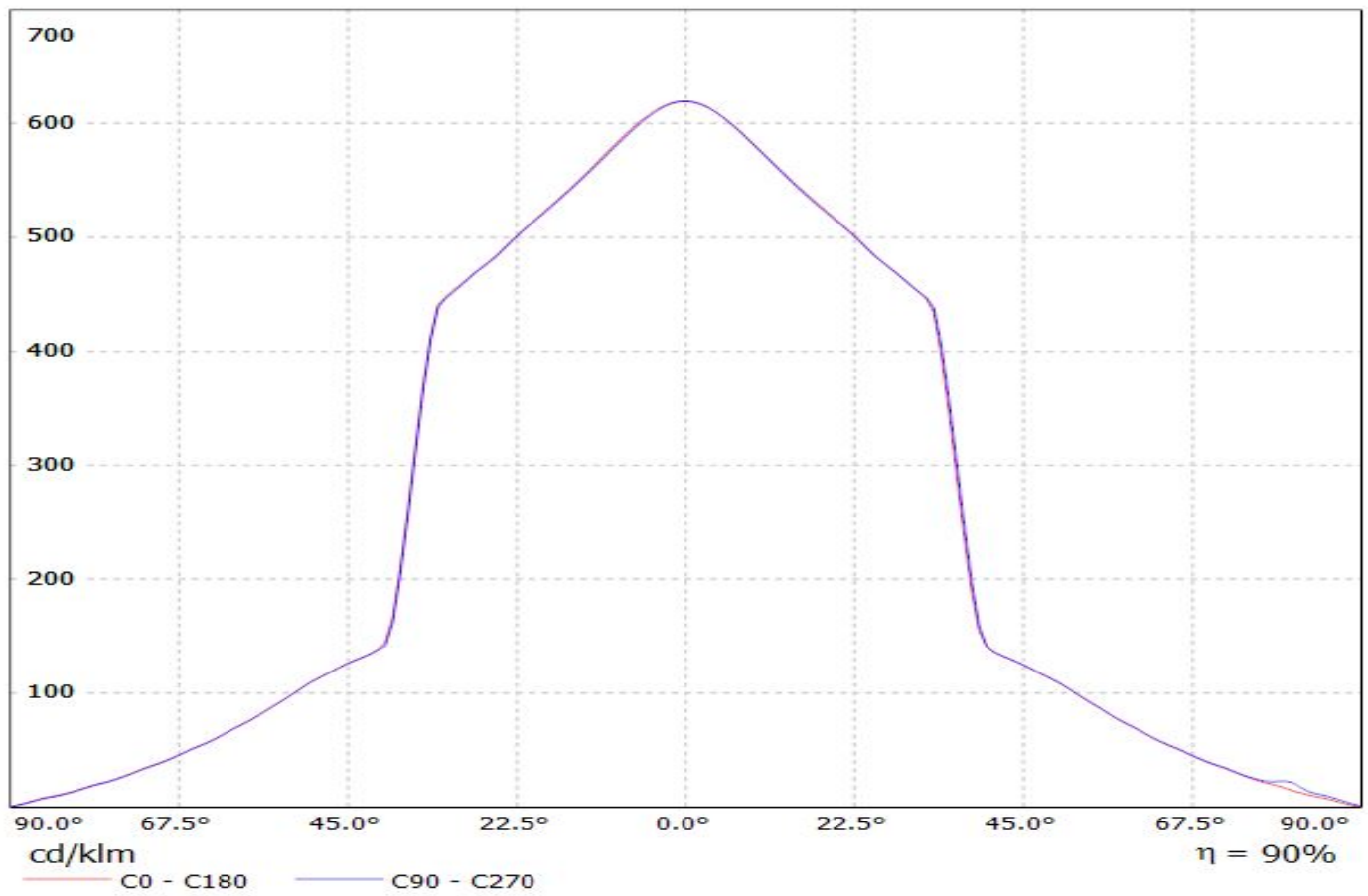
Luminaire: LEDiL Oy F13840_ANGELA-XW_(Fortimo LED SLM L19 G4)
Lamps: 1 x Fortimo LED SLM L19 G4_1114.89lm@250mA_P=8.04906W_I=0.2498A



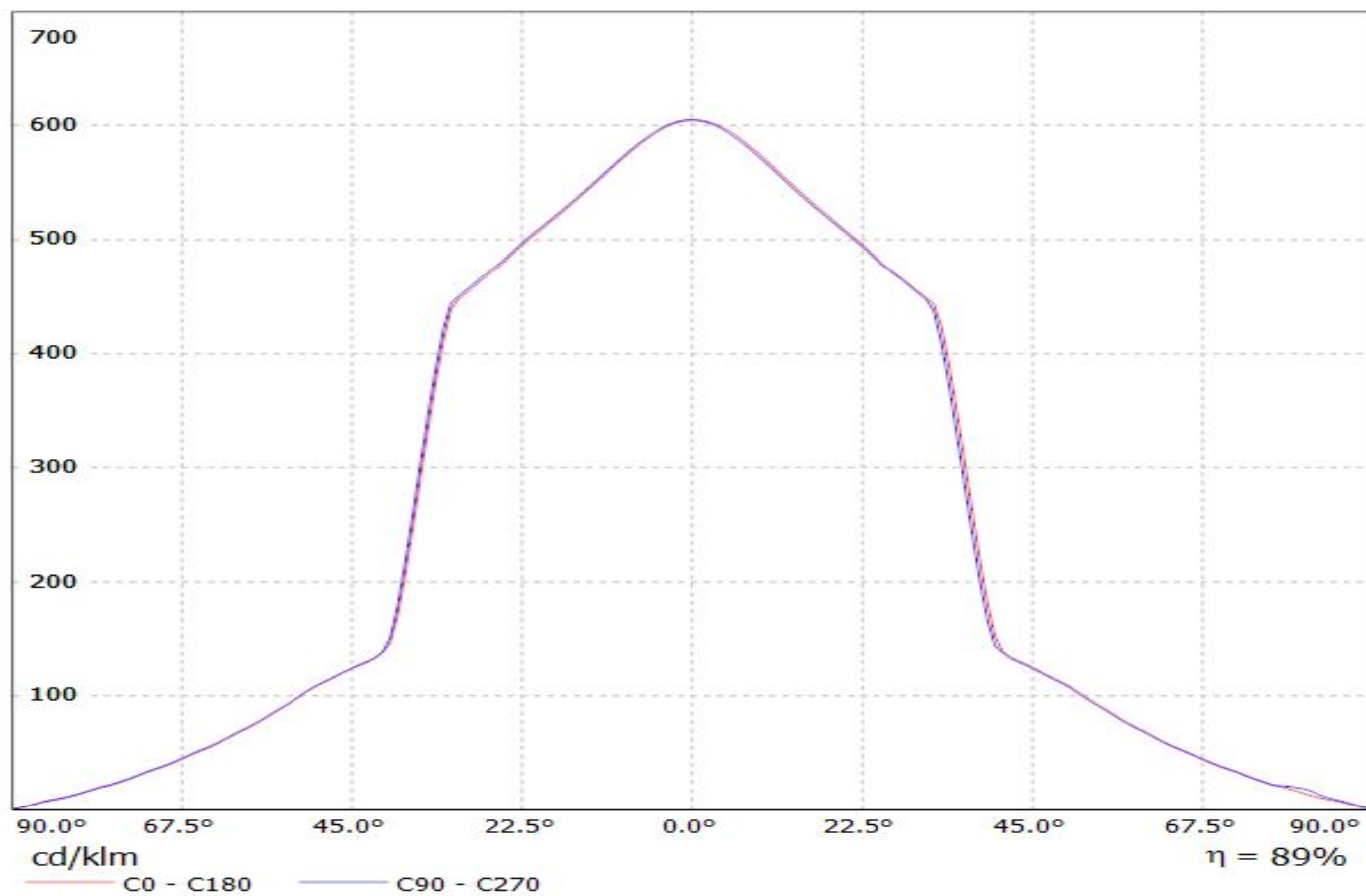
Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLM-G5-LES-9)_(Z50-Optic-Clip)
Lamps: 1 x Fortimo_SLM-G5-LES-9_1182.49lm@250mA_P=8.5848W_I=0.250A



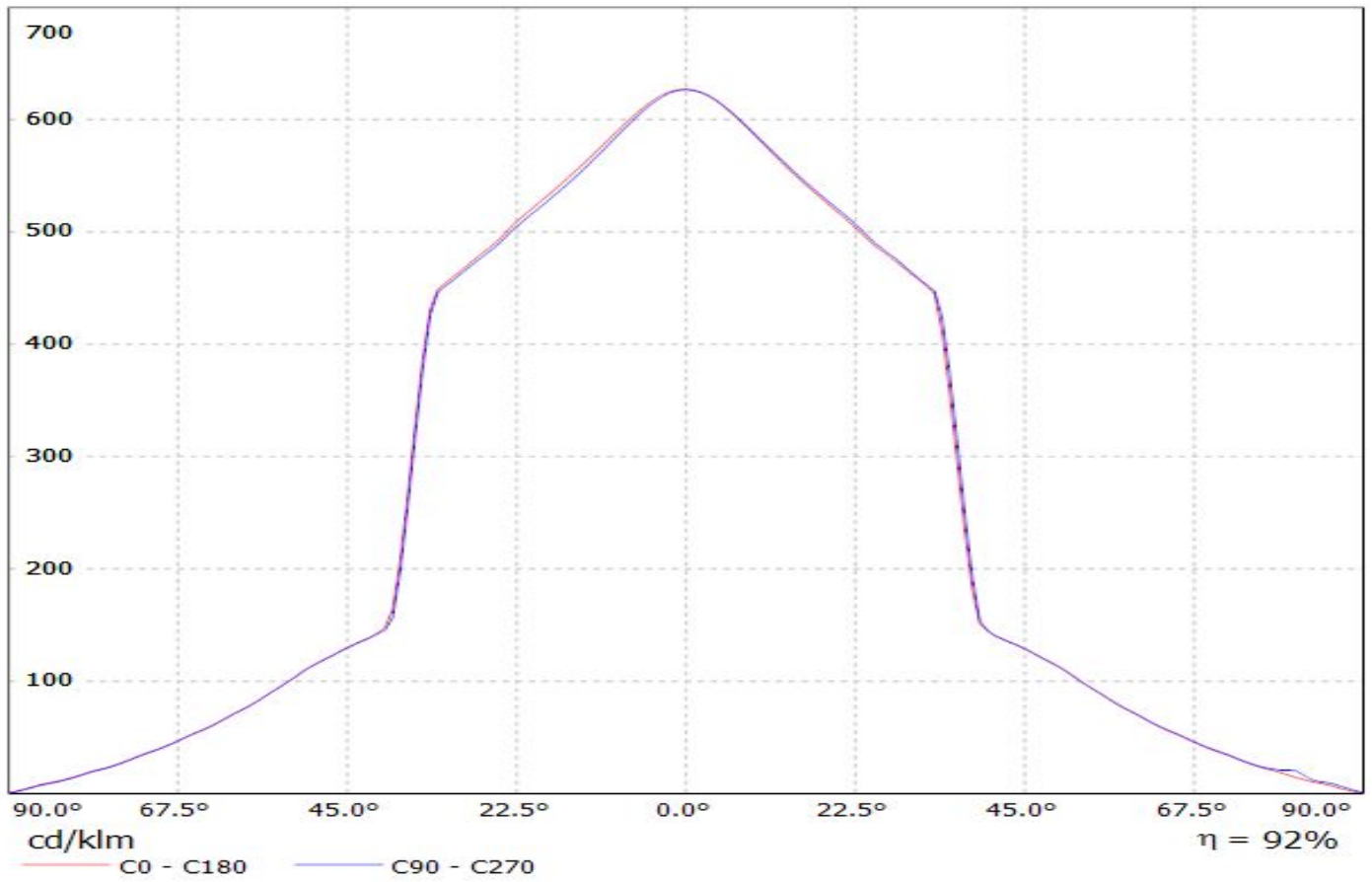
Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLM-G5_LES-15)
Lamps: 1 x Fortimo_SLM-G5_LES-15_1257.61lm@250mA_P=8.1569W_η=0.250A



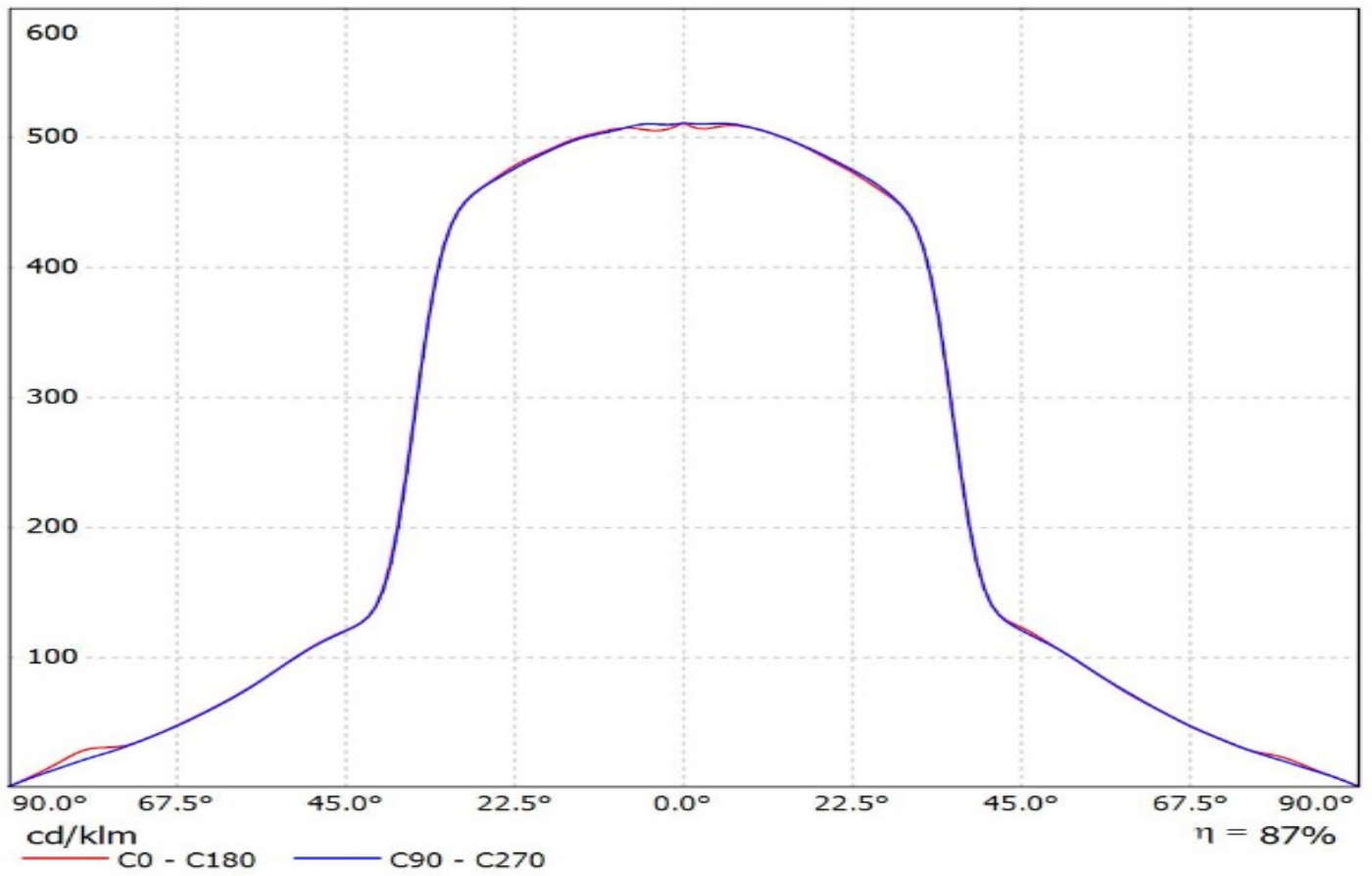
Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLM-G5_LES-19)_ (Z50_Optic_Clip)
Lamps: 1 x Fortimo_SLM-G5_LES-19_1397.58lm@250mA_P=8.0385W_I=0.250A



Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLM-G5_LES-13)_ (Z50-Optic-Clip)
Lamps: 1 x Fortimo_SLM-G5_LES-13_1300.47lm@250mA_P=8.4010W_I=0.250A

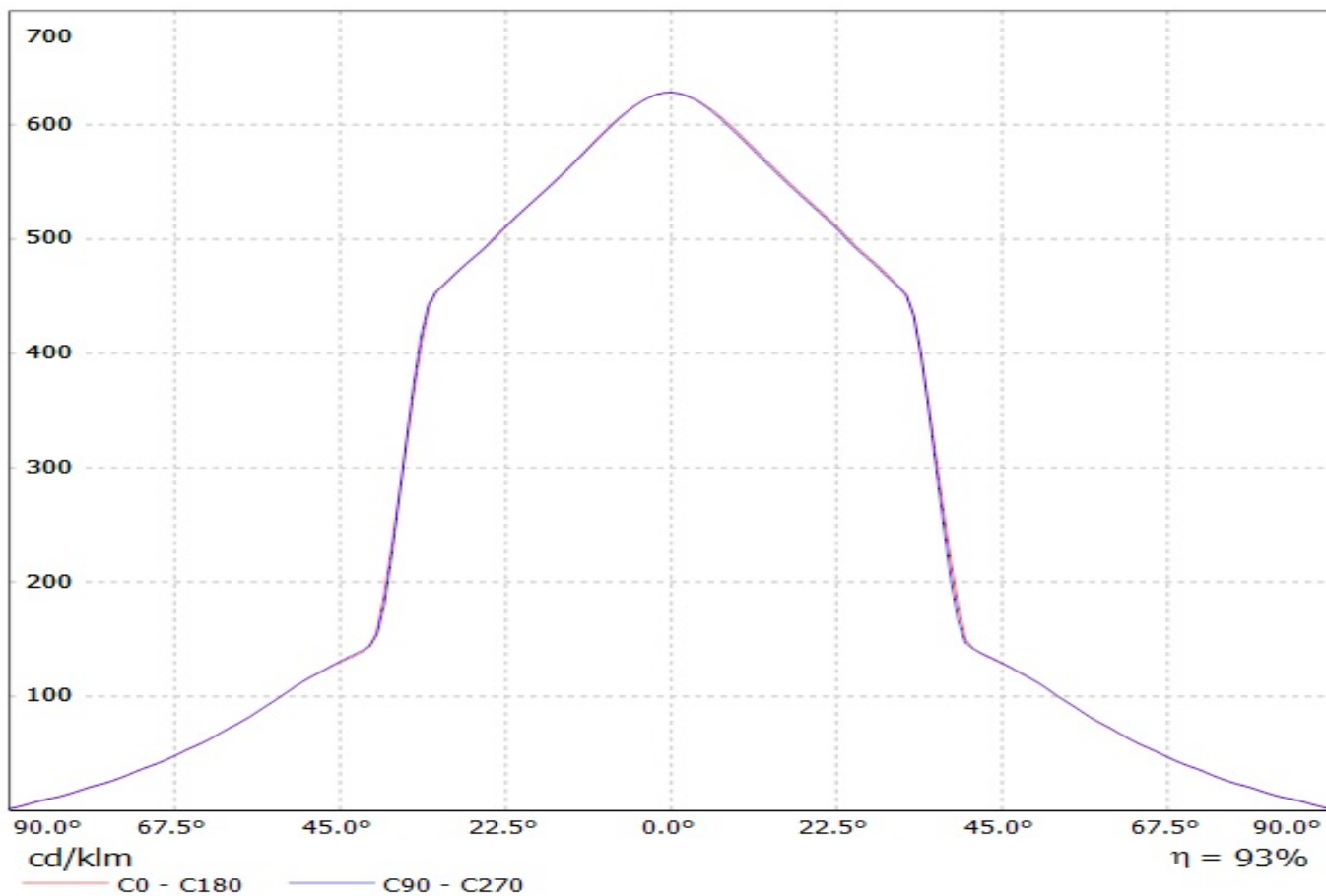


Luminaire: Ledil Oy F13840_ANGELA-XW_(Fortimo_SLM_1208_L15_G6_standard)_ (TE_2213194-1)
_SIMULATED
Lamps: 1 x Philips Fortimo SLM 1208 L15 G6 standard + Tyco Electronics 2213194-1



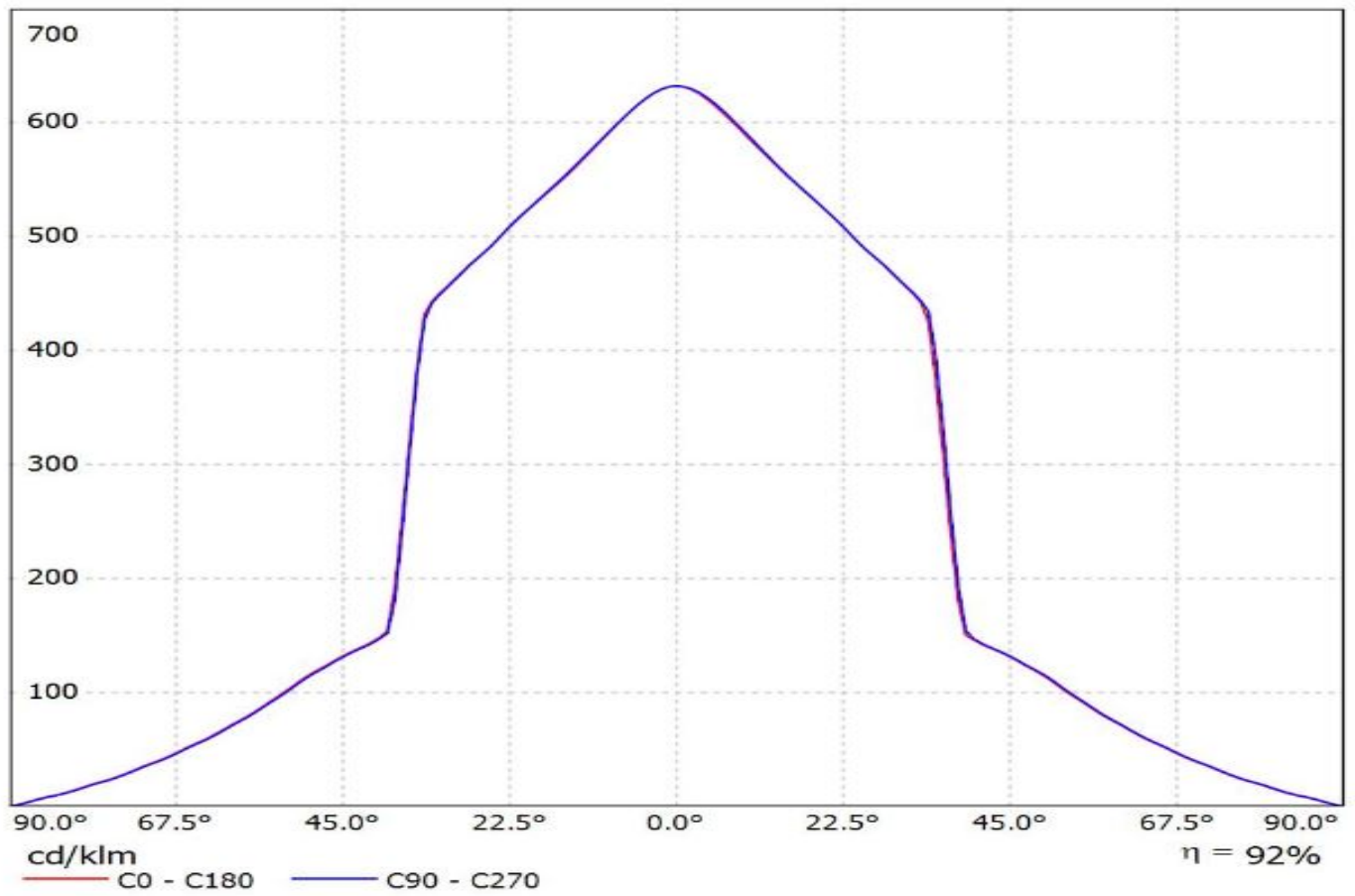
Luminaire: LEDiL Oy F13840_ANGELA-XW_(LC026B)

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

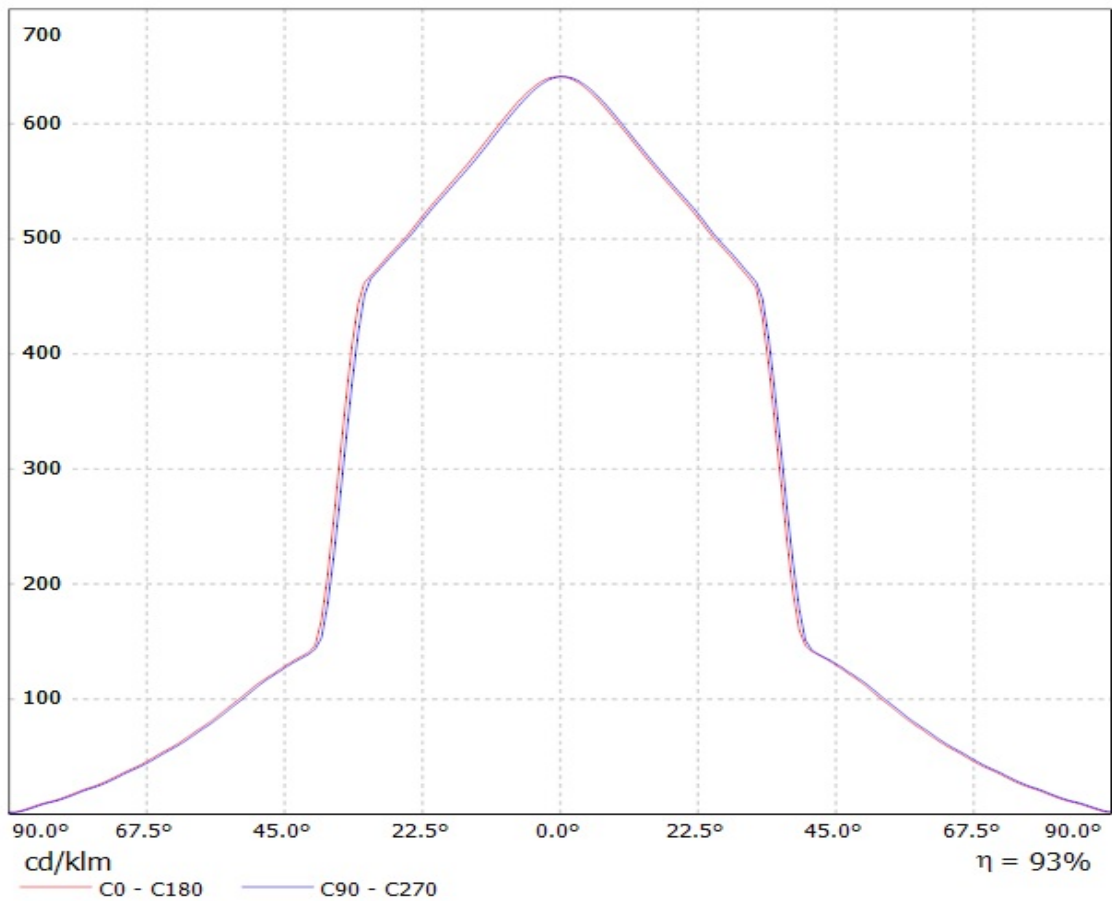


Luminaire: Ledil F13840_ANGELA-XW_(LC040C+TE)

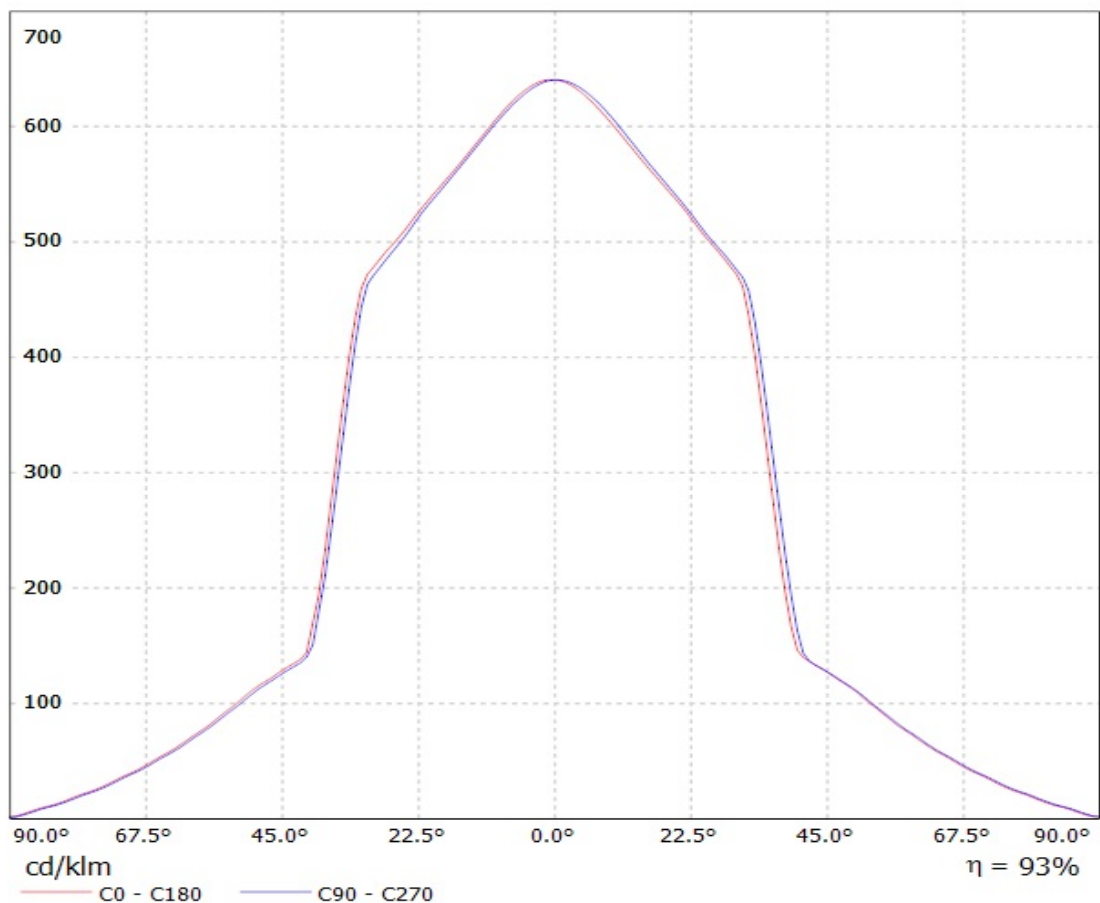
Lamps: 1 x Samsung_LC040C+_2213382-2+_2213194-1_1194.16lm@250mA_CCT=4000K_P=8.137W



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

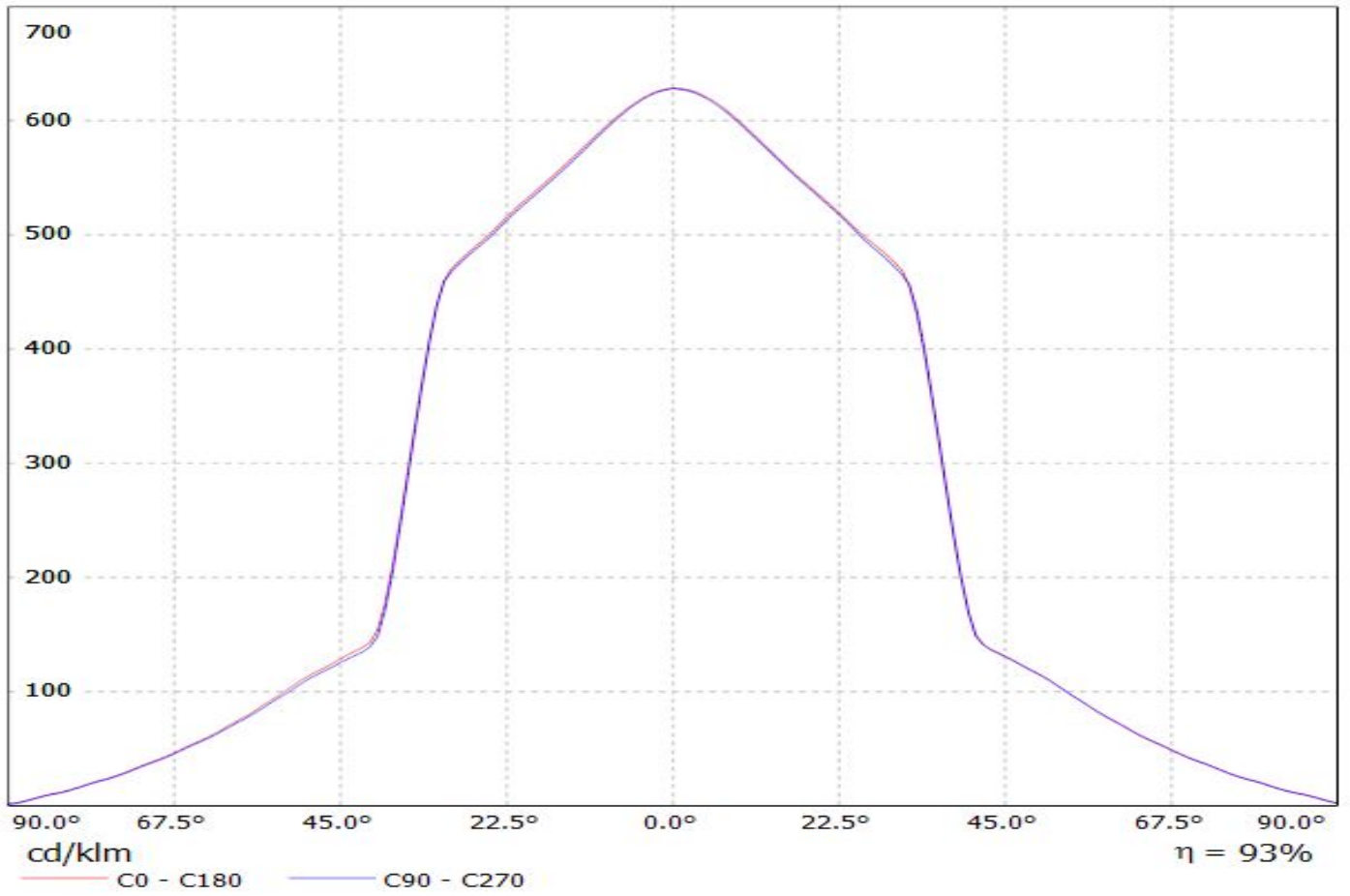


Luminaire: LEDiL Oy F13840_ANGELA-XW_(Stark_SLE_G3_LES23) Eff: 93%
Lamps: 1 x Tridonic_Stark_SLE_G3_LES23_(Stark-SLE-PURE-G3-23-3000-930-SEL)_796.507lm@250mA_P=8.2472W_I=249.9mA

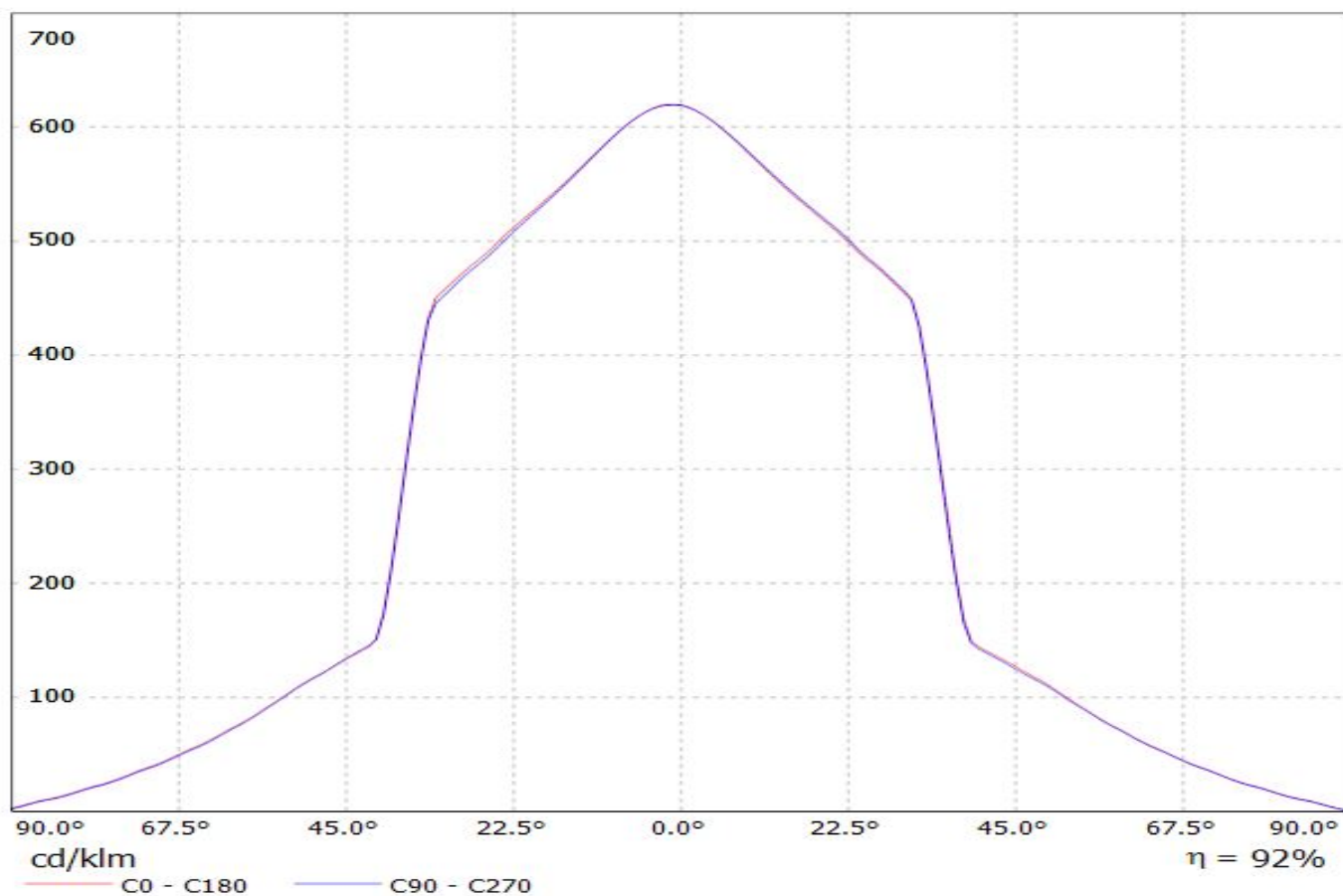


Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLE_G4_LES23)

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

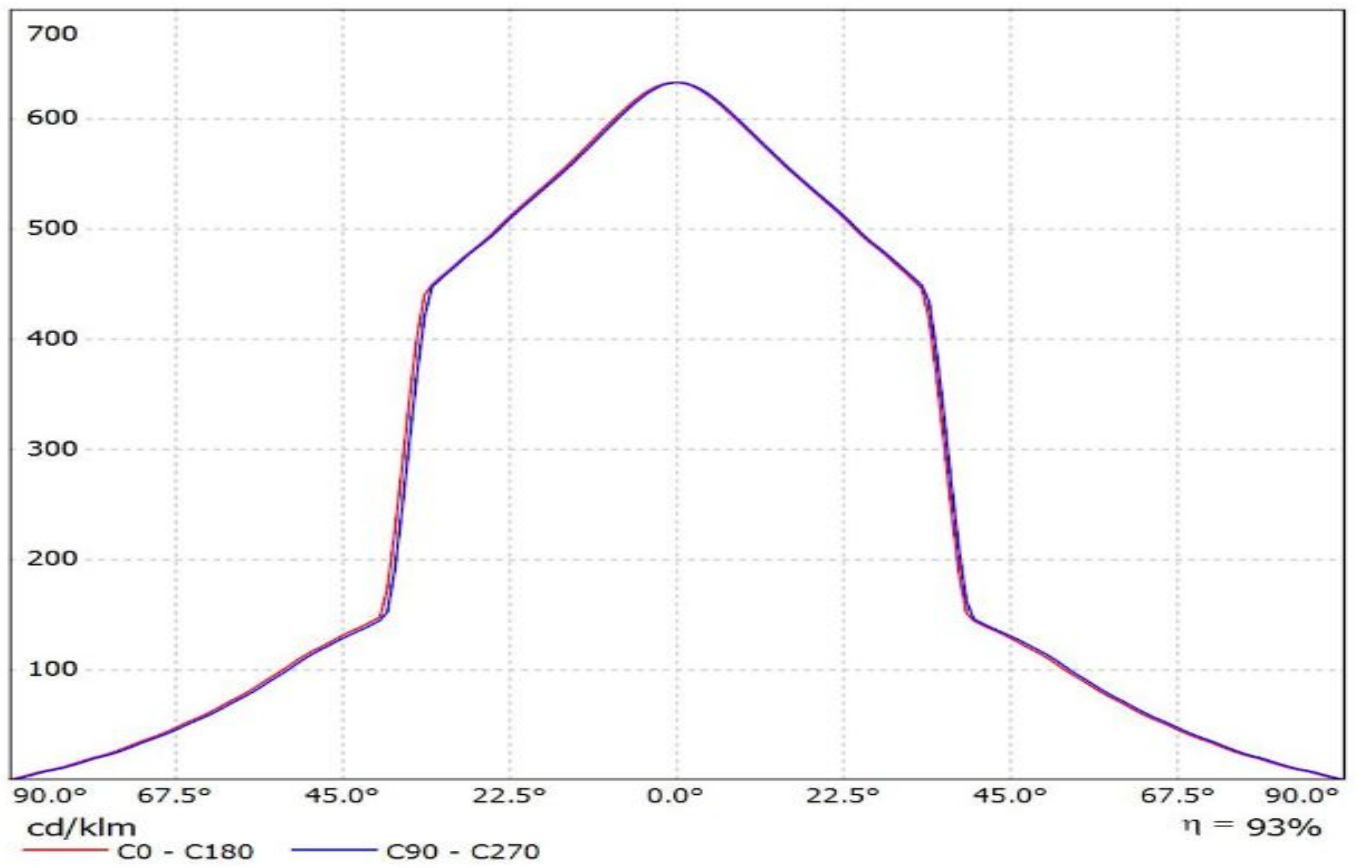


Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLE GEN4 LES19)
Lamps: 1 x SLE GEN4 LES19_1226.28lm@250mA_P=8.21367W_I=0.2498A

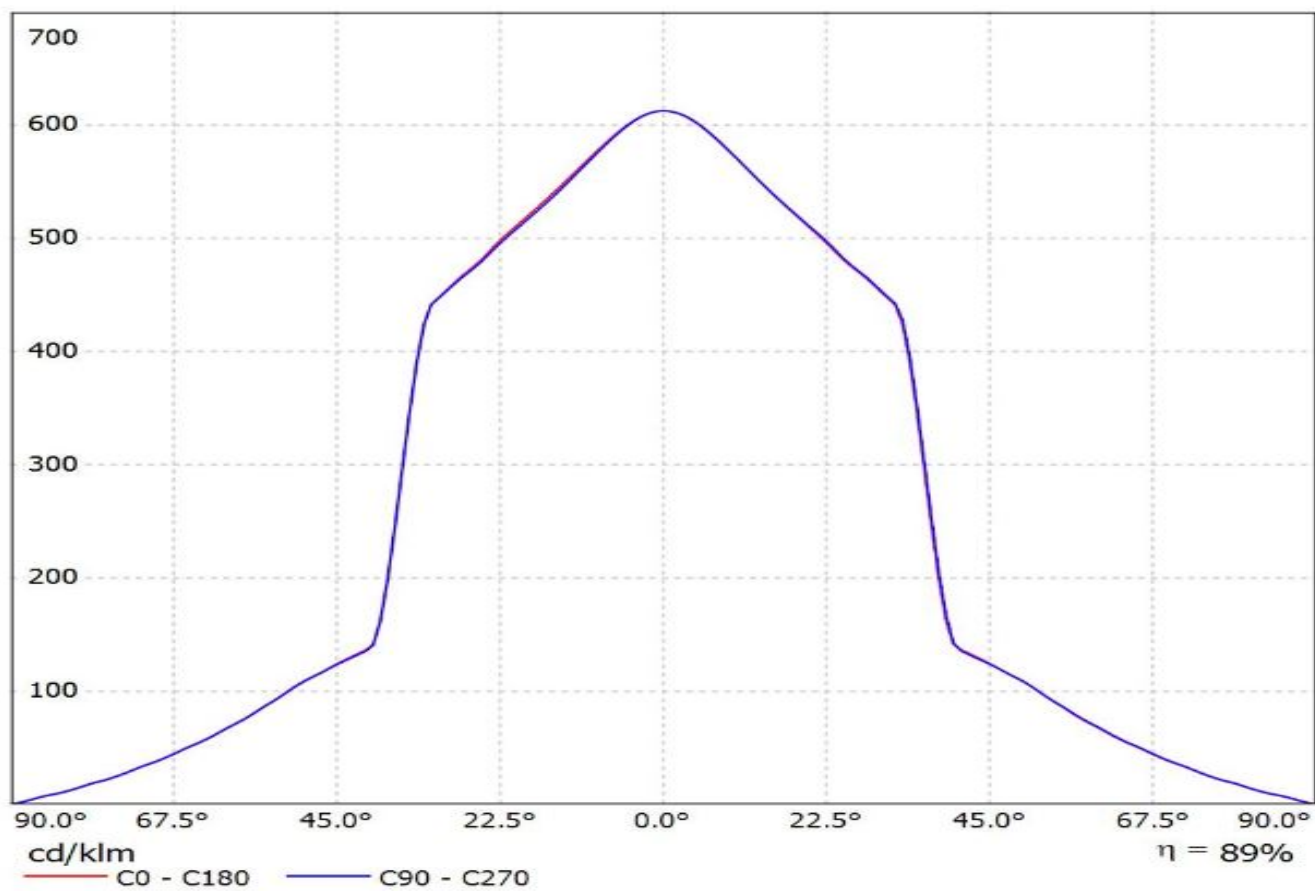


Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLE-G5_LES-15)

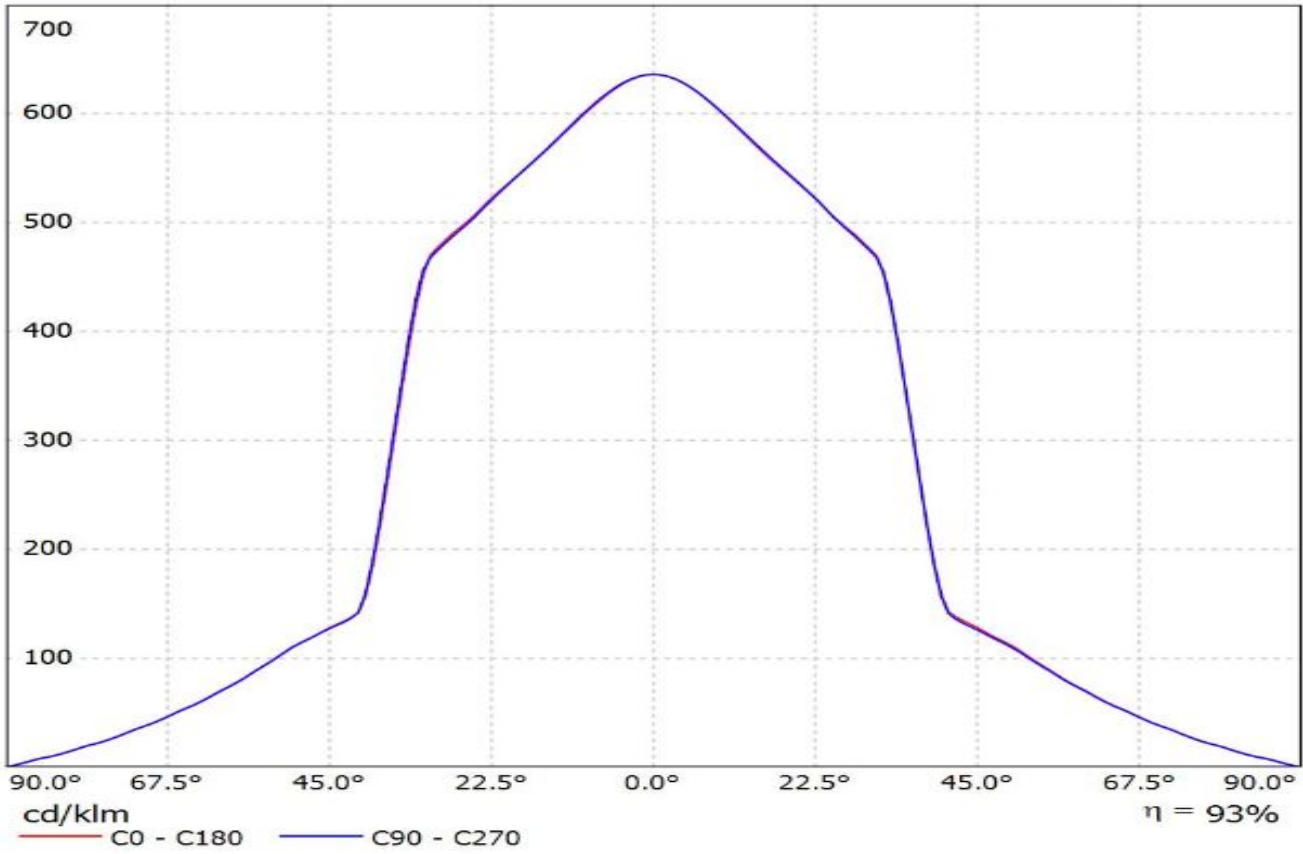
Lamps: 1 x Tridonic_SLE-G5_LES-15_1238lm@250mA_P=8.6575W_I=0.250A



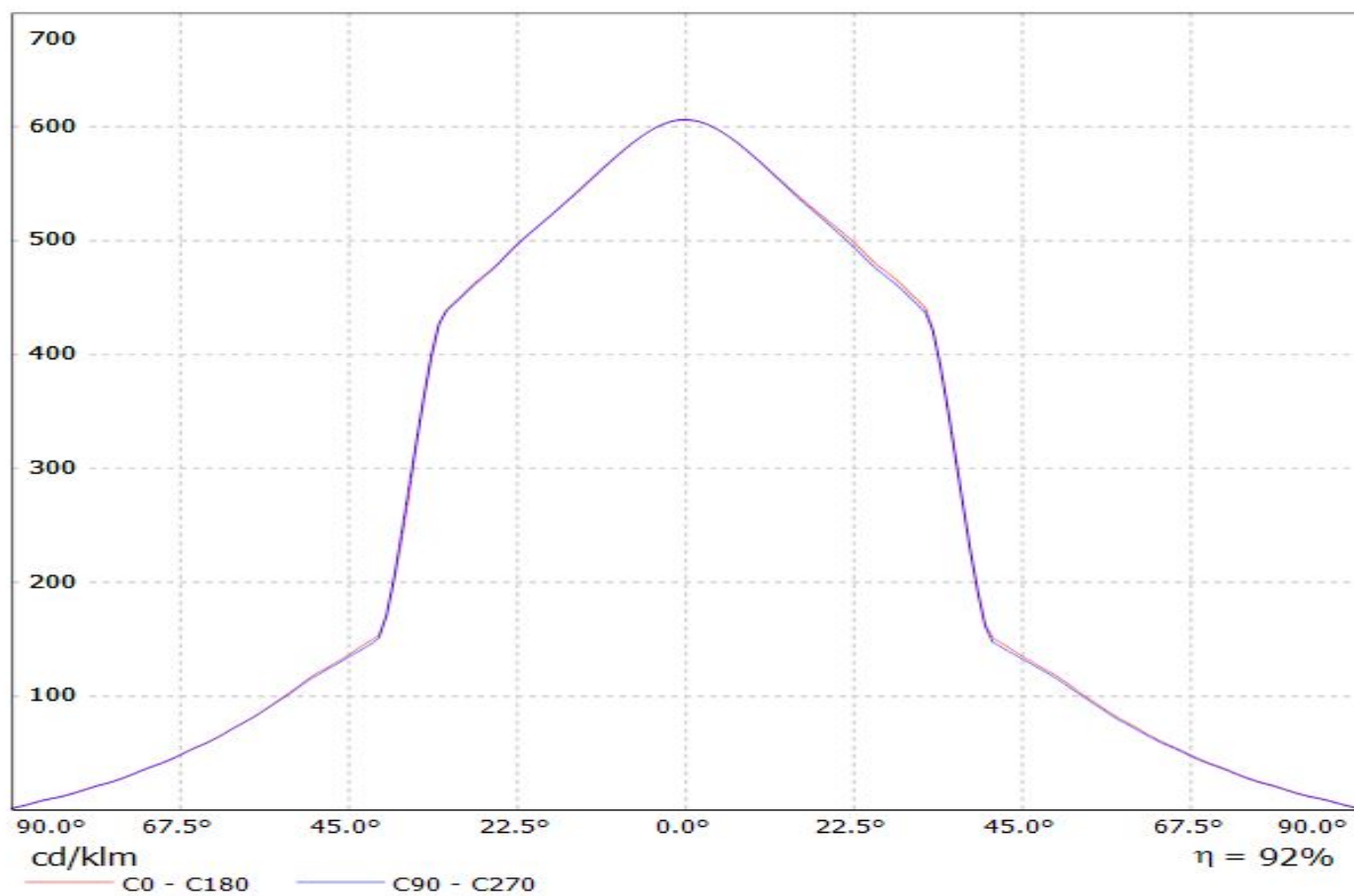
Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLE-G5_LES-19)
Lamps: 1 x Tridonic_SLE-G5_LES-19_1334.47lm@250mA_P=8.2224W_I=0.250A



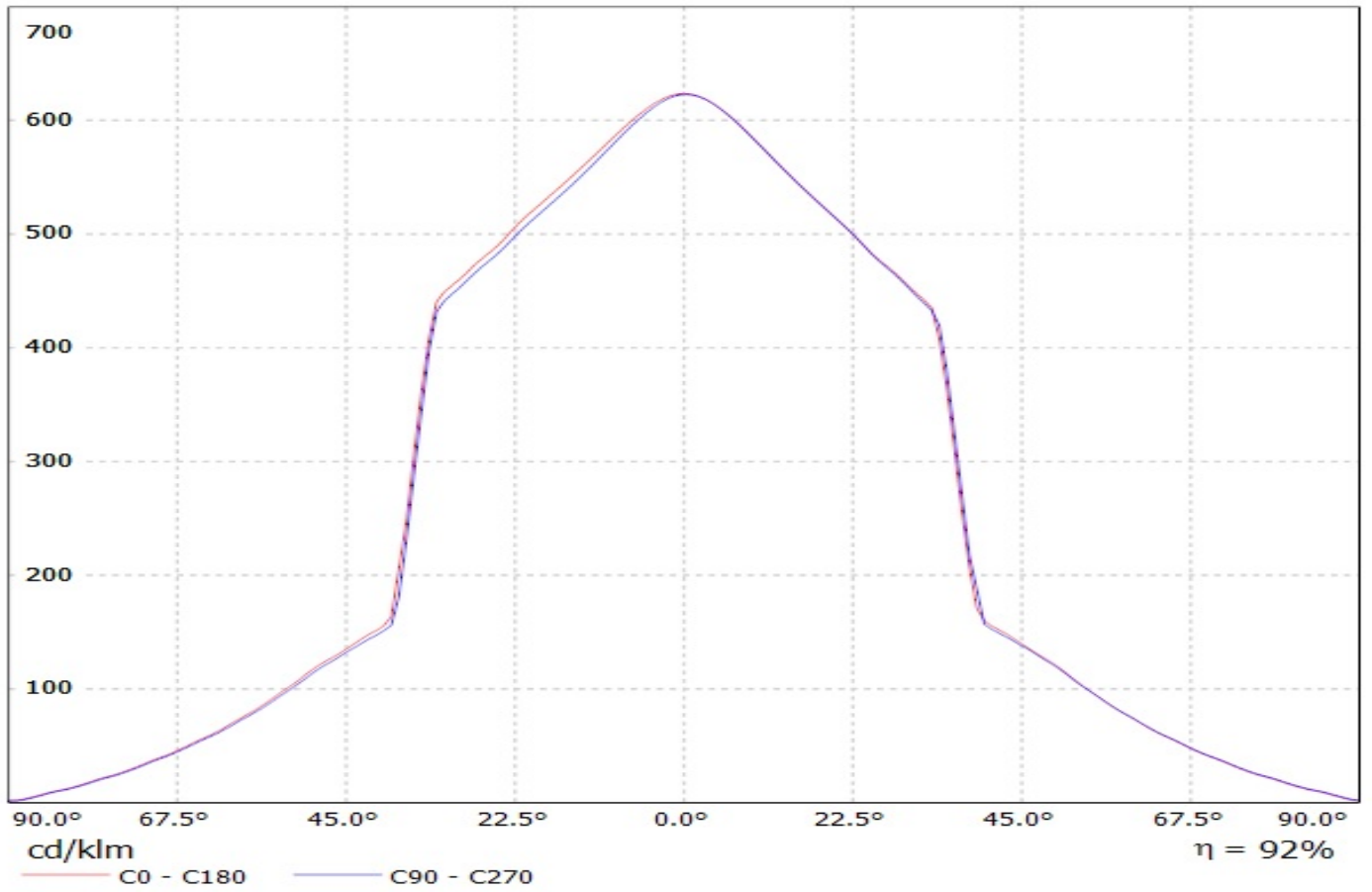
Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLE-G5_LES-23)
Lamps: 1 x Tridonic_SLE-G5_LES-23_1303.96lm@250mA_P=8.1062W_I=0.250A



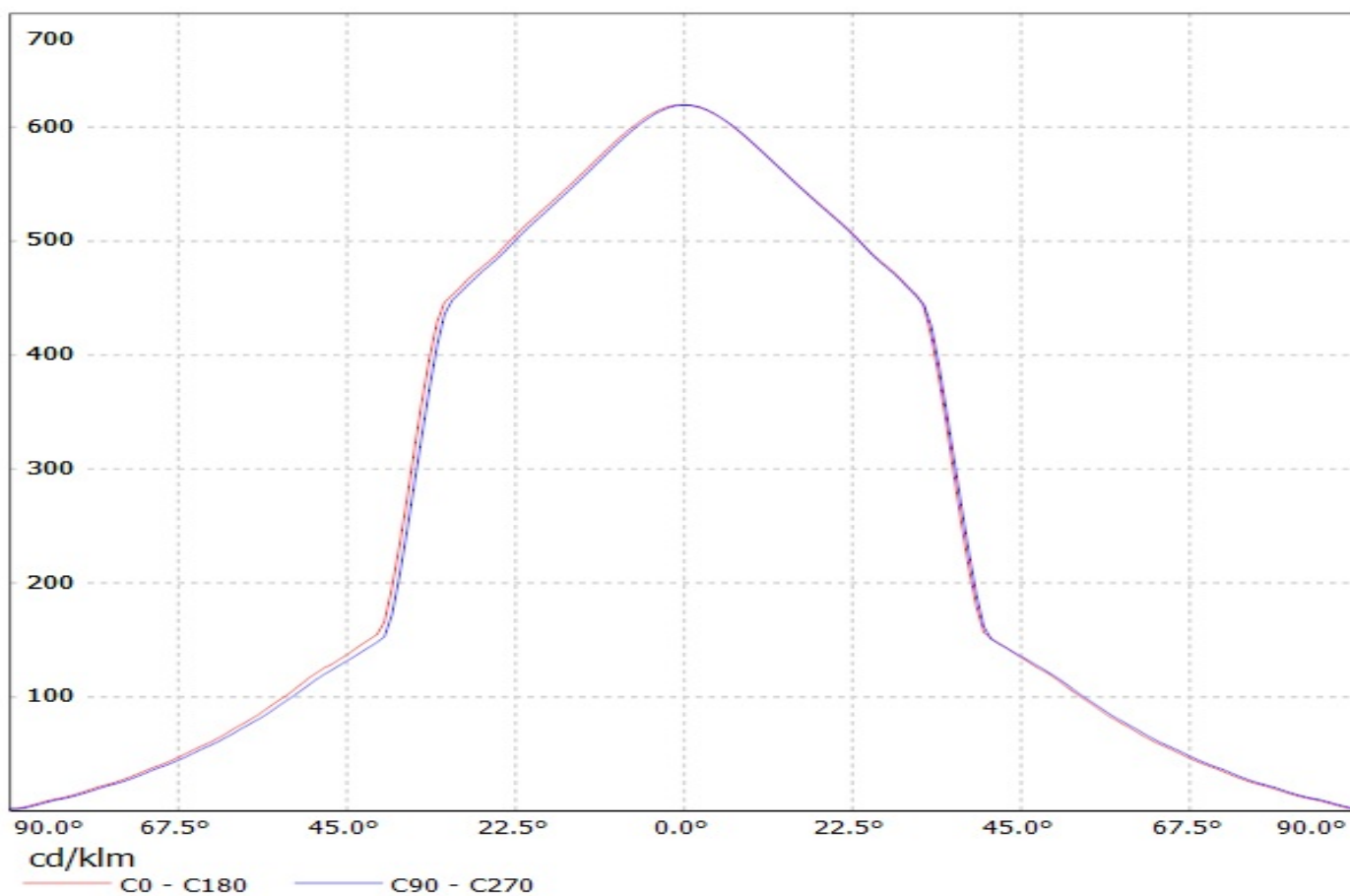
Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-464) Eff.92.5%
Lamps: 1 x VOSSLOH_WU-M-464-827_1452.09lm@250mA_P=11.7139W_I=249.8mA



Luminaire: LEDiL Oy F13840_ANGELA-XW_(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

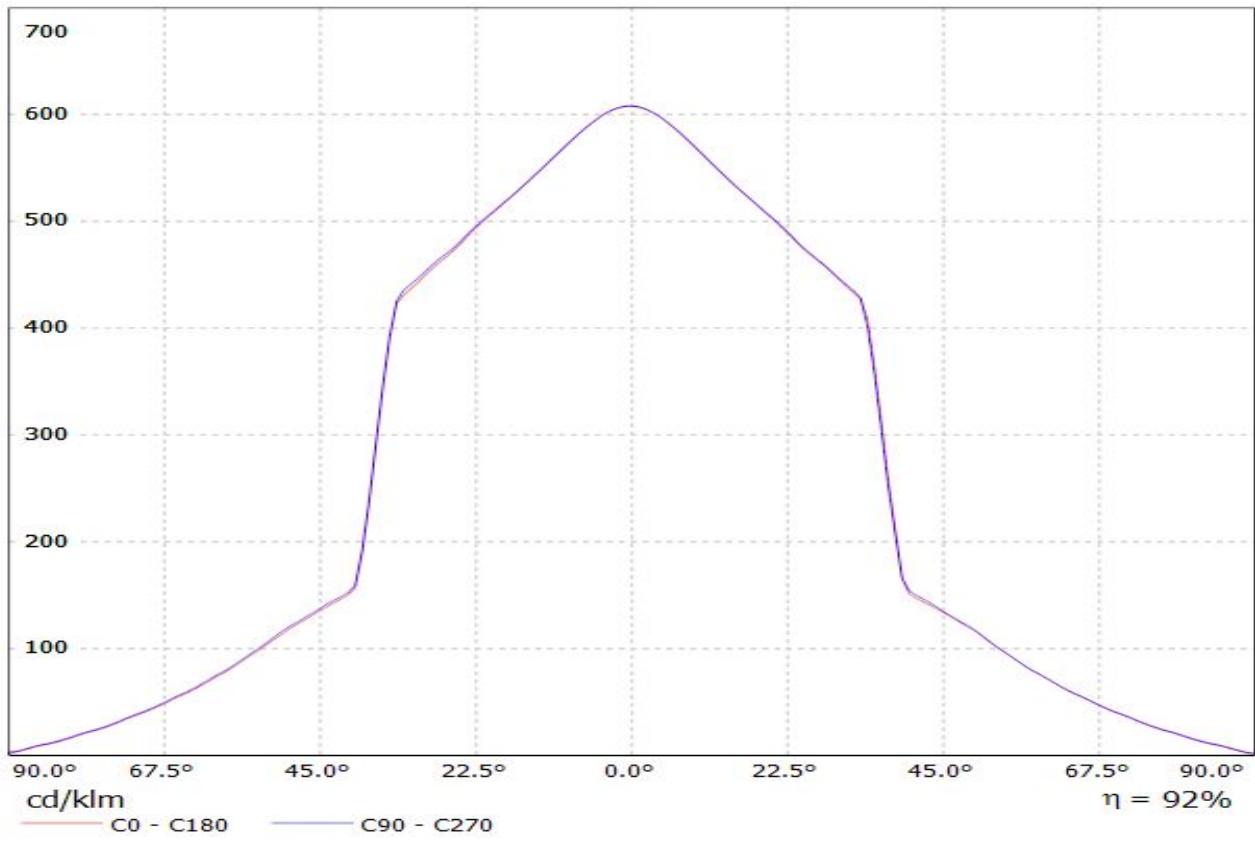


Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-462) Eff: 92%
Lamps: 1 x Vossloh_WU-M-462_(WU-M-462-827)_1123.54lm@250mA_P=9.02089W_I=249.9mA



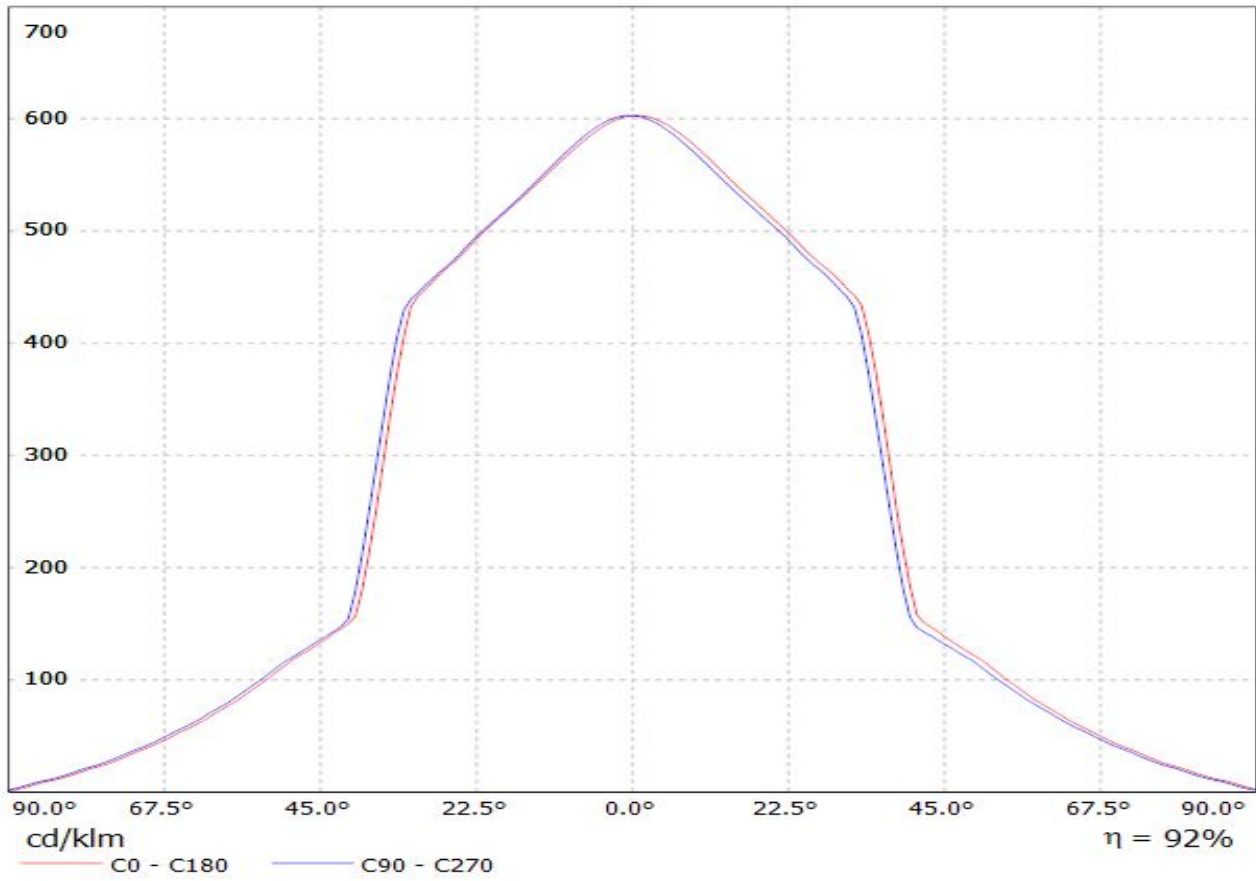
Luminaire: LEDiL Oy F13840_ANGELA-XW

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

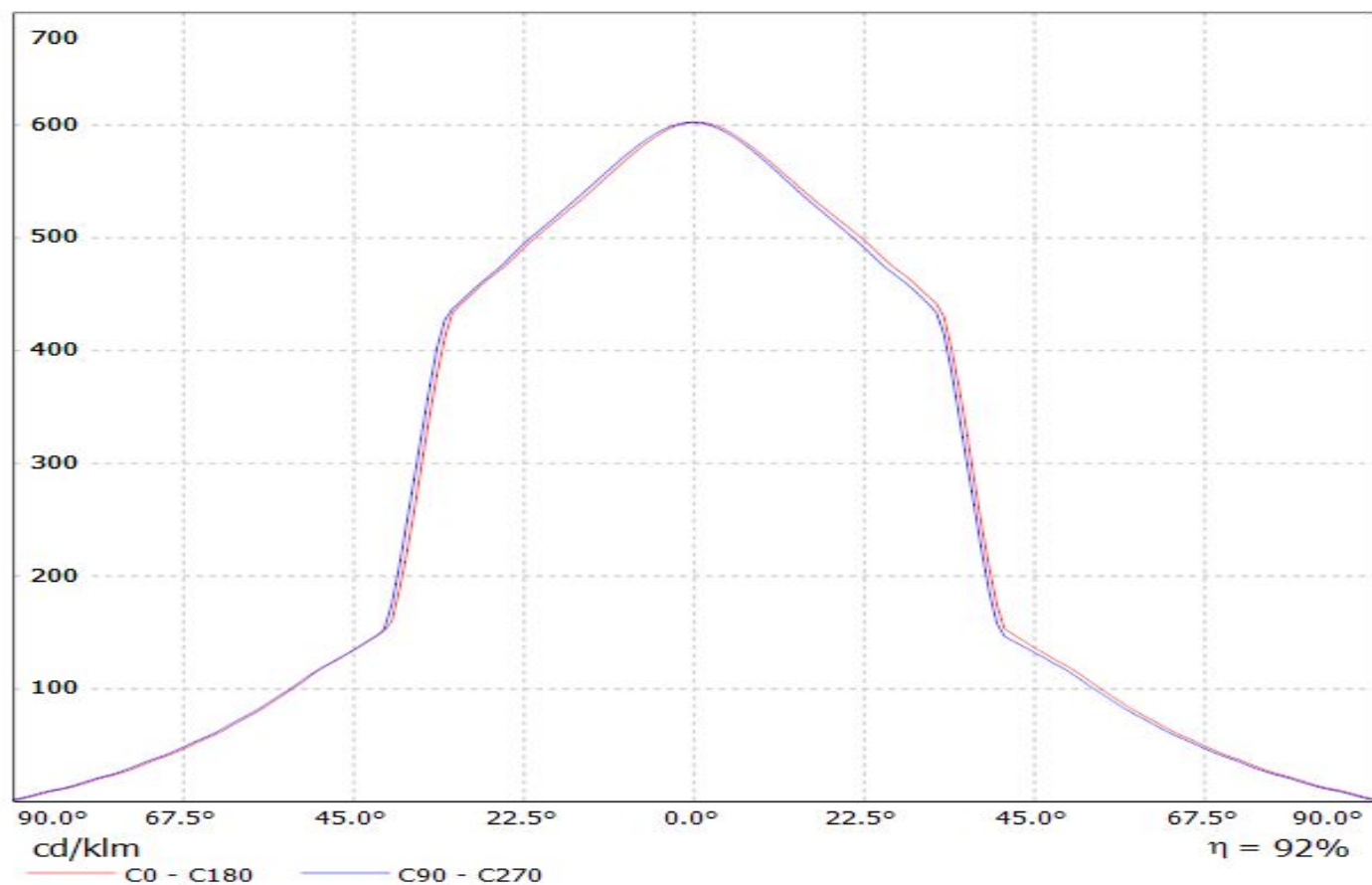


Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-485)

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

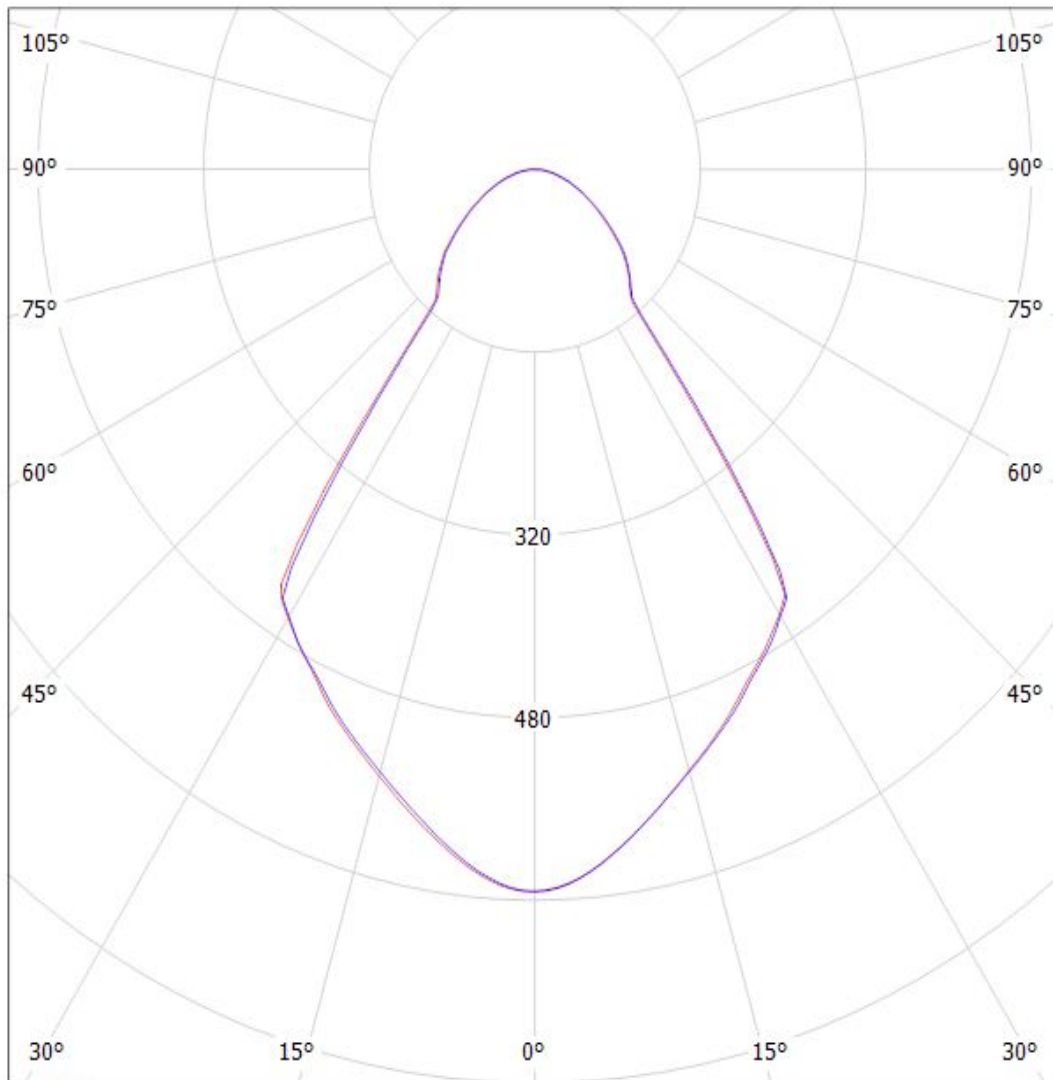


Luminaire: LEDiL Oy F13840_ANGELA-XW_(WU-M-486) Eff.92.1%
Lamps: 1 x Vossloh_Schwabe-WU-M-486_(WU-M-486-830)
_1474.55lm@250mA_P=10.4456W_I=249.8mA



Luminaire: LEDiL Oy F13840_ANGELA-XW_(V13_Gen7)+TE

Lamps: 1 x Bridgelux_V13_Gen7_(BXRE-30E2000-B_+TE_2213254-2+TE_2213194-1)_1295.55lm@250mA_P=8.30985W_l=0.25A

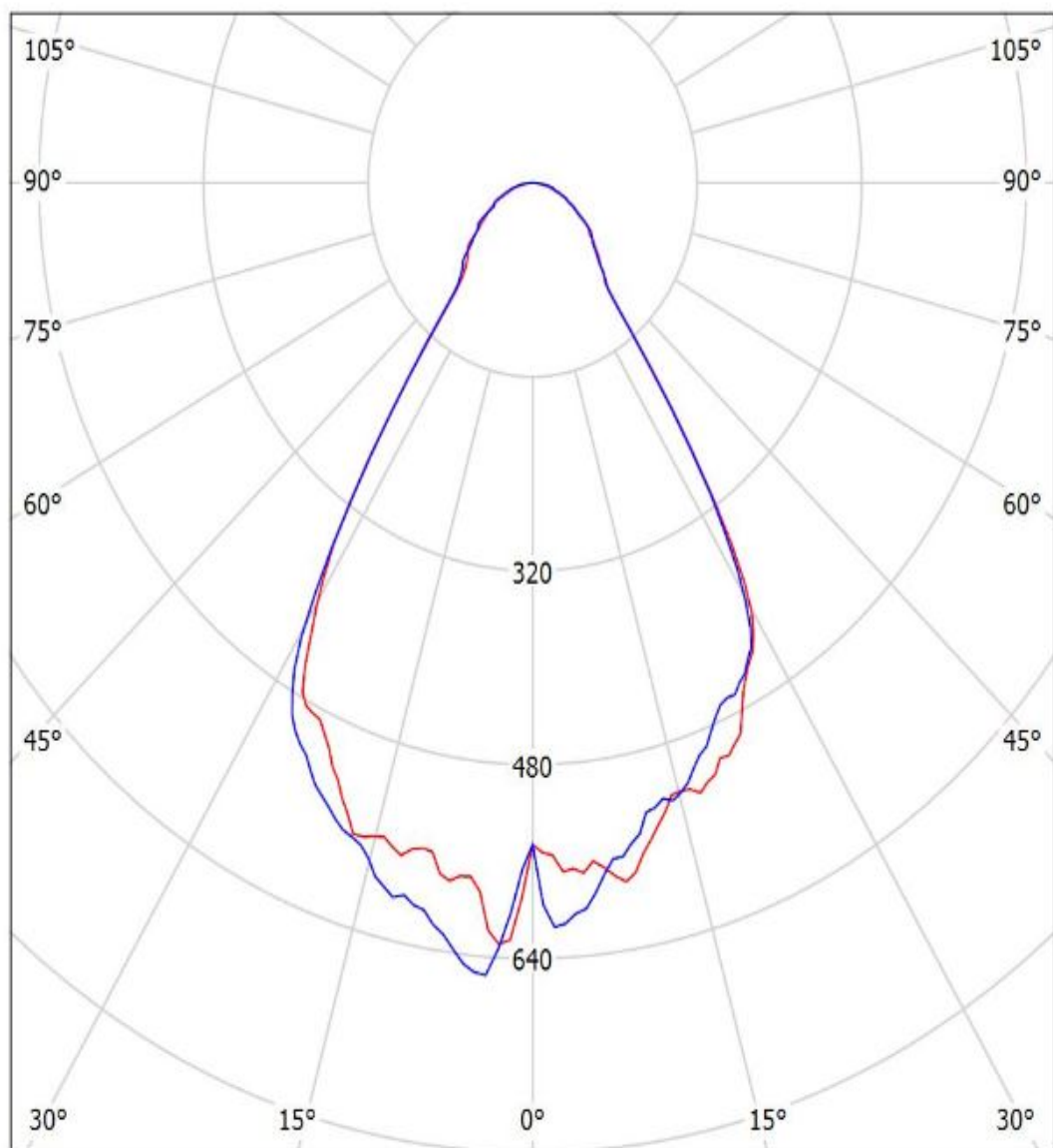


cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: Ledil Oy F13840_ANGELA-XW_Bridgelux_V22_Gen7_SIMULATED F13840_ANGELA-XW_Bridgelux_V22_Gen7_SIMULATED
Lamps: 1 x F13840_ANGELA-XW_Bridgelux_V22_Gen7_SIMULATED



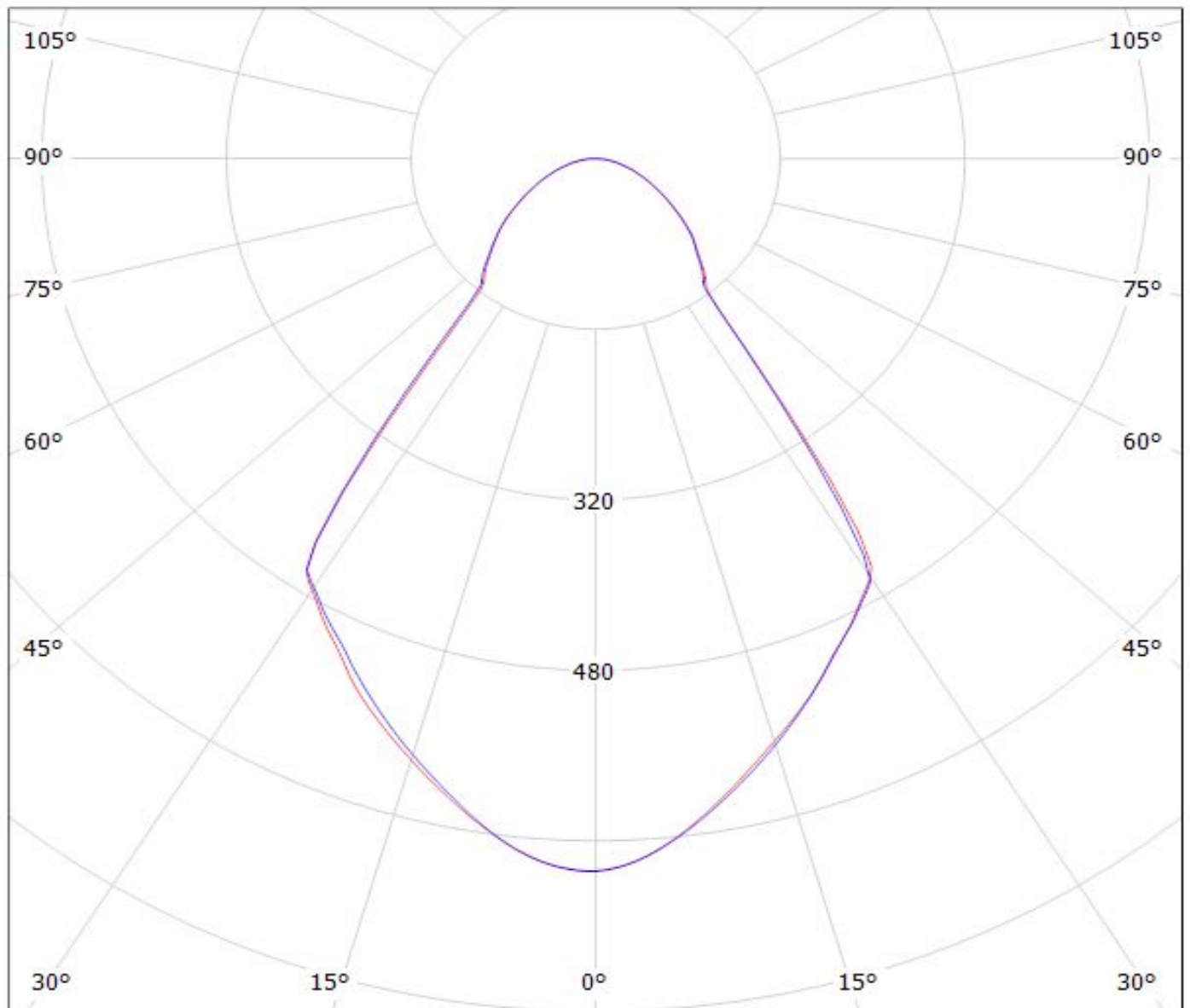
cd/klm

— C0 - C180 — C90 - C270

$\eta = 81\%$

Luminaire: LEDiL Oy F13840_ANGELA-XW_(CLL030)

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



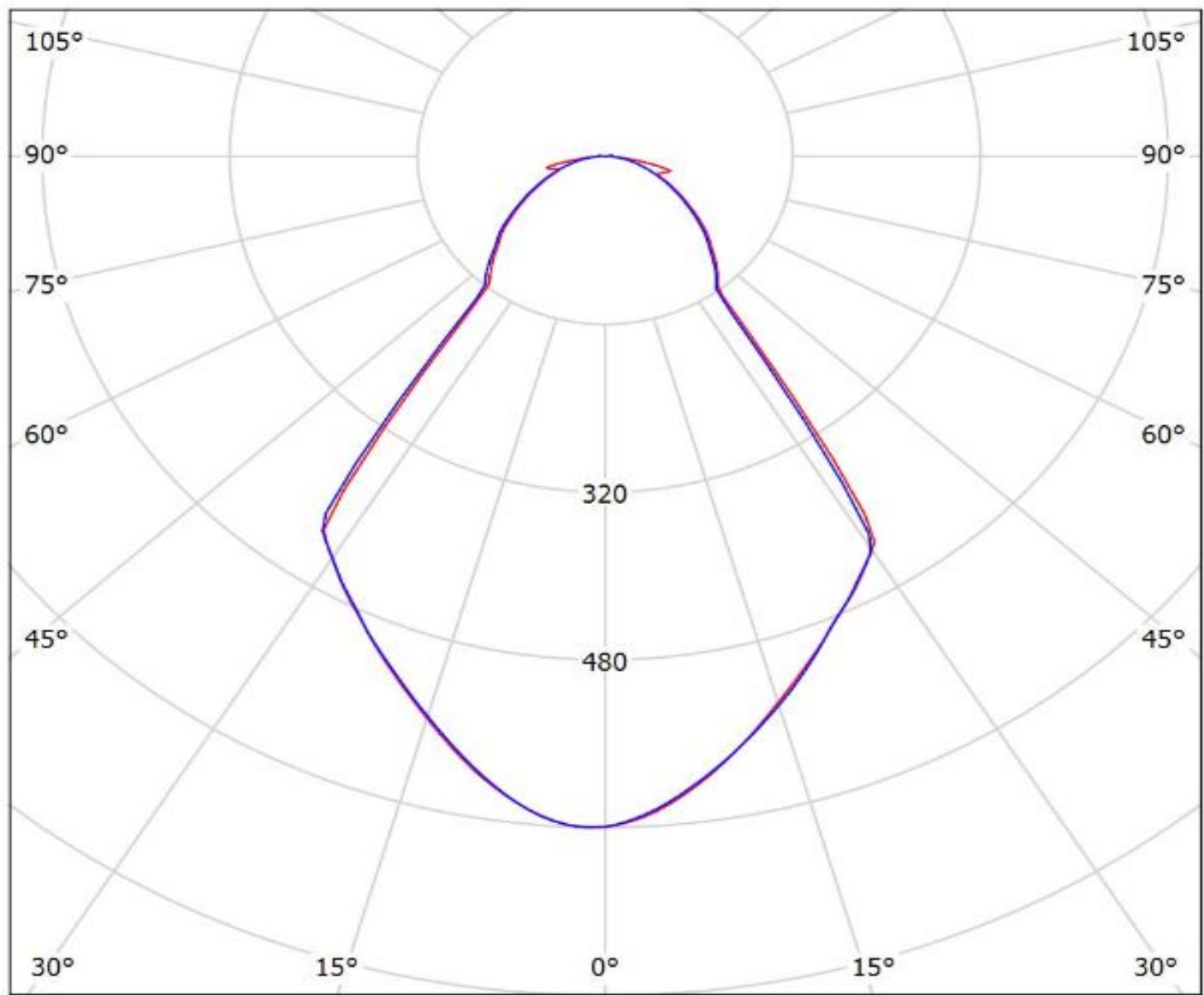
cd/klm

— C0 - C180

— C90 - C270

$\eta = 93\%$

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

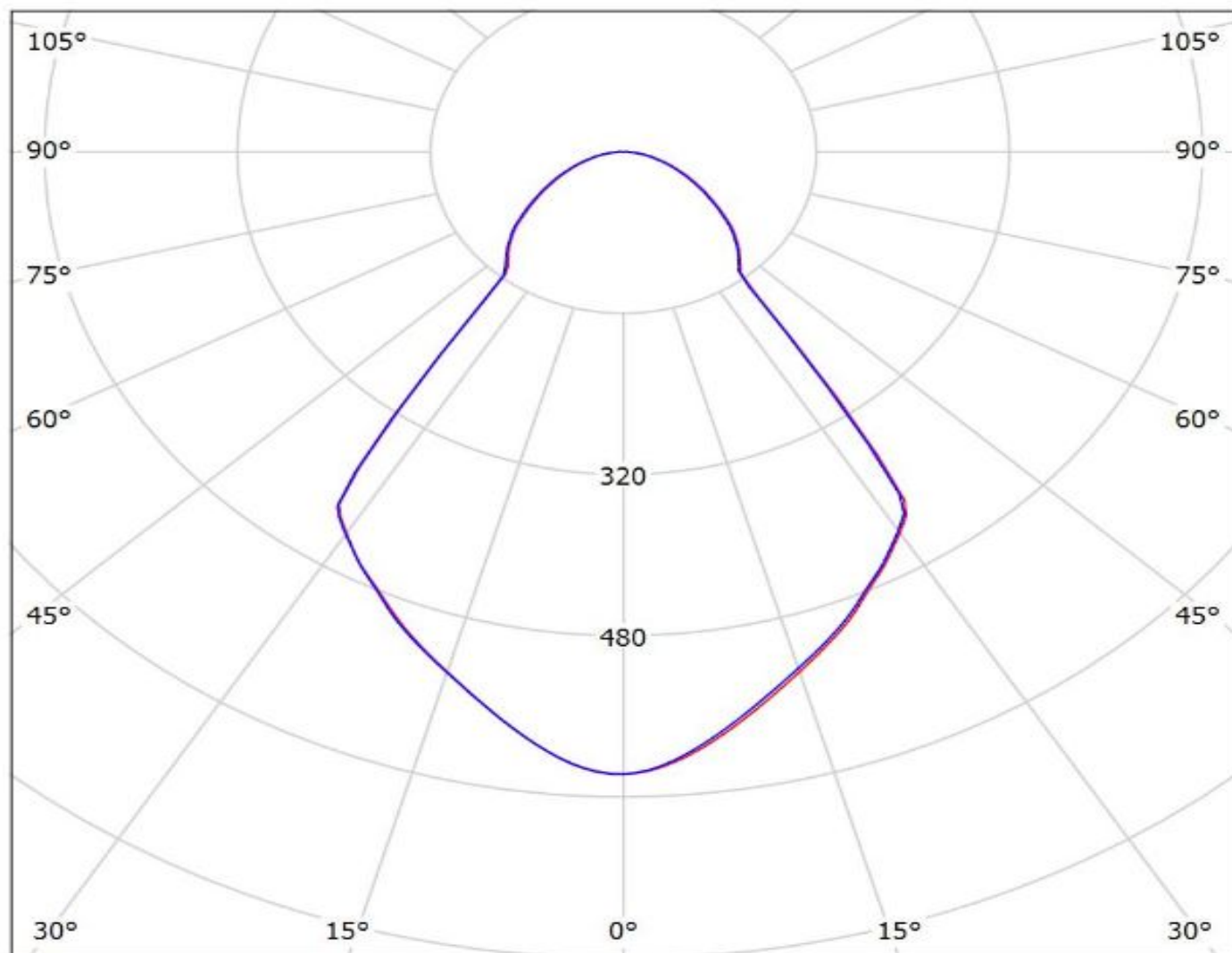


cd/klm
— C0 - C180 — C90 - C270

$\eta = 94\%$

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

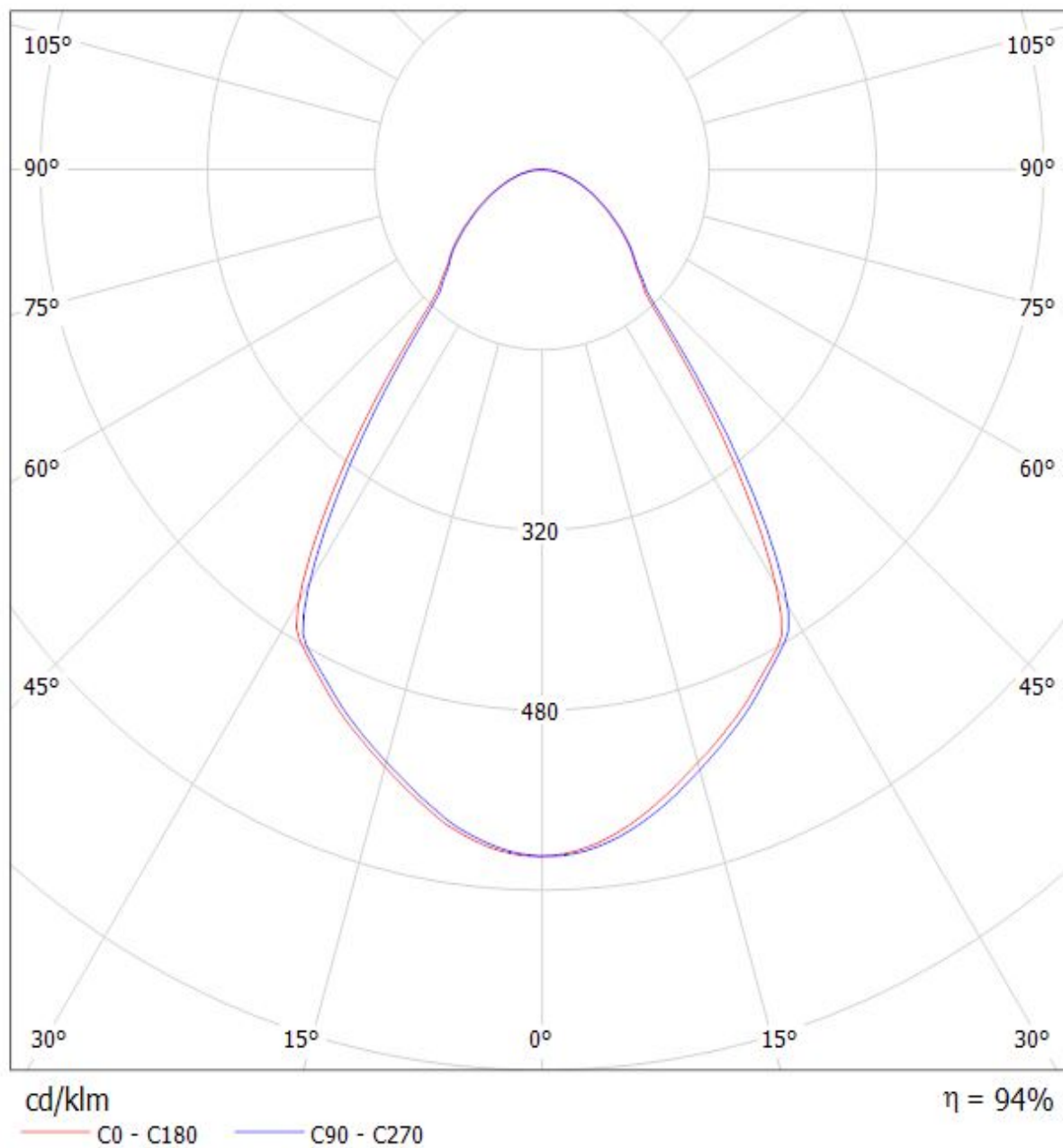


cd/klm
— C0 - C180 — C90 - C270

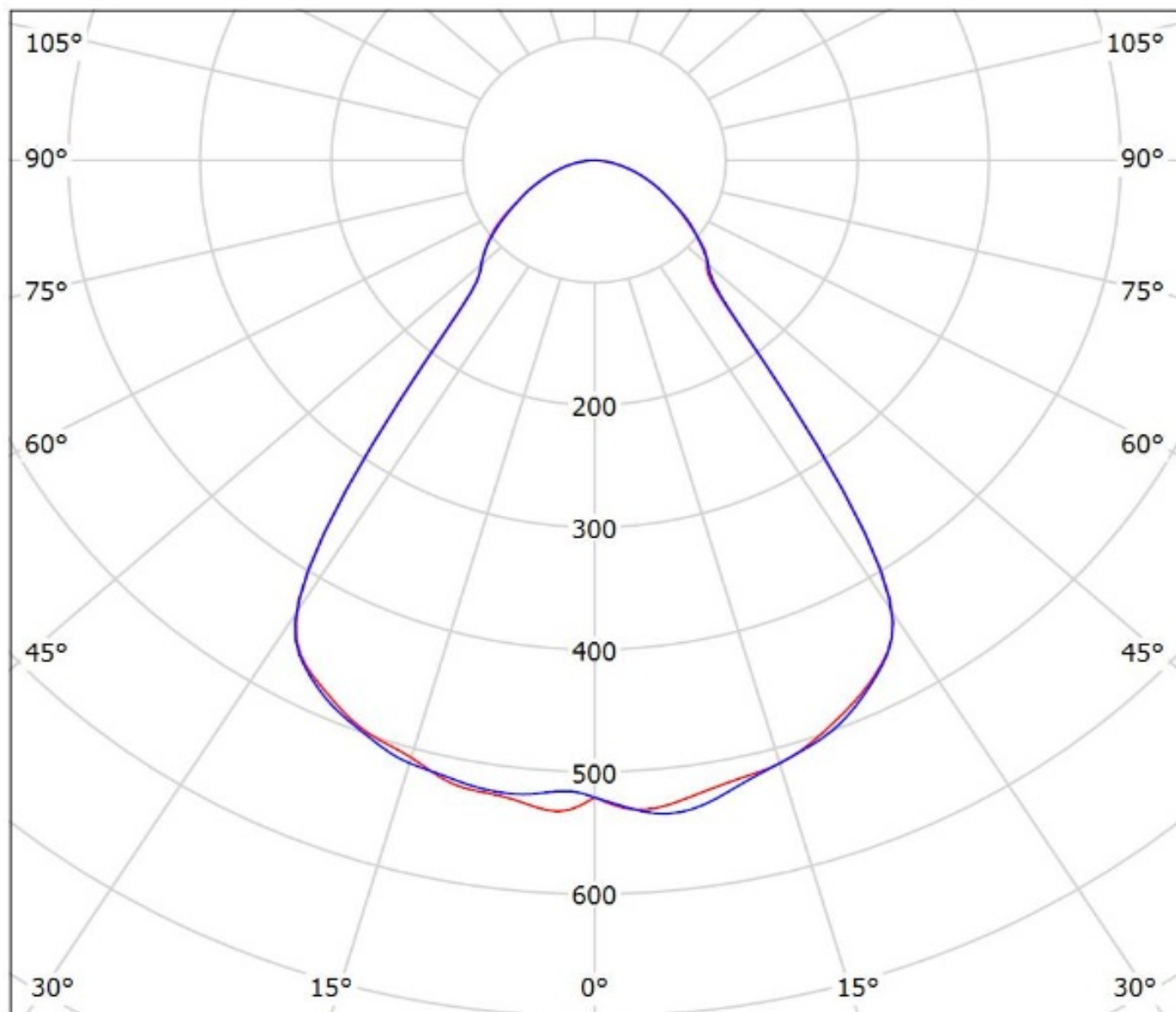
$\eta = 93\%$

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_(CXB1830)_ (TE_2213401-2+TE_2213194-1)_SIMULATED
Lamps: 1 x Cree CXB1830 + Tyco Electronics 2213401-2 + TE 2213194-1

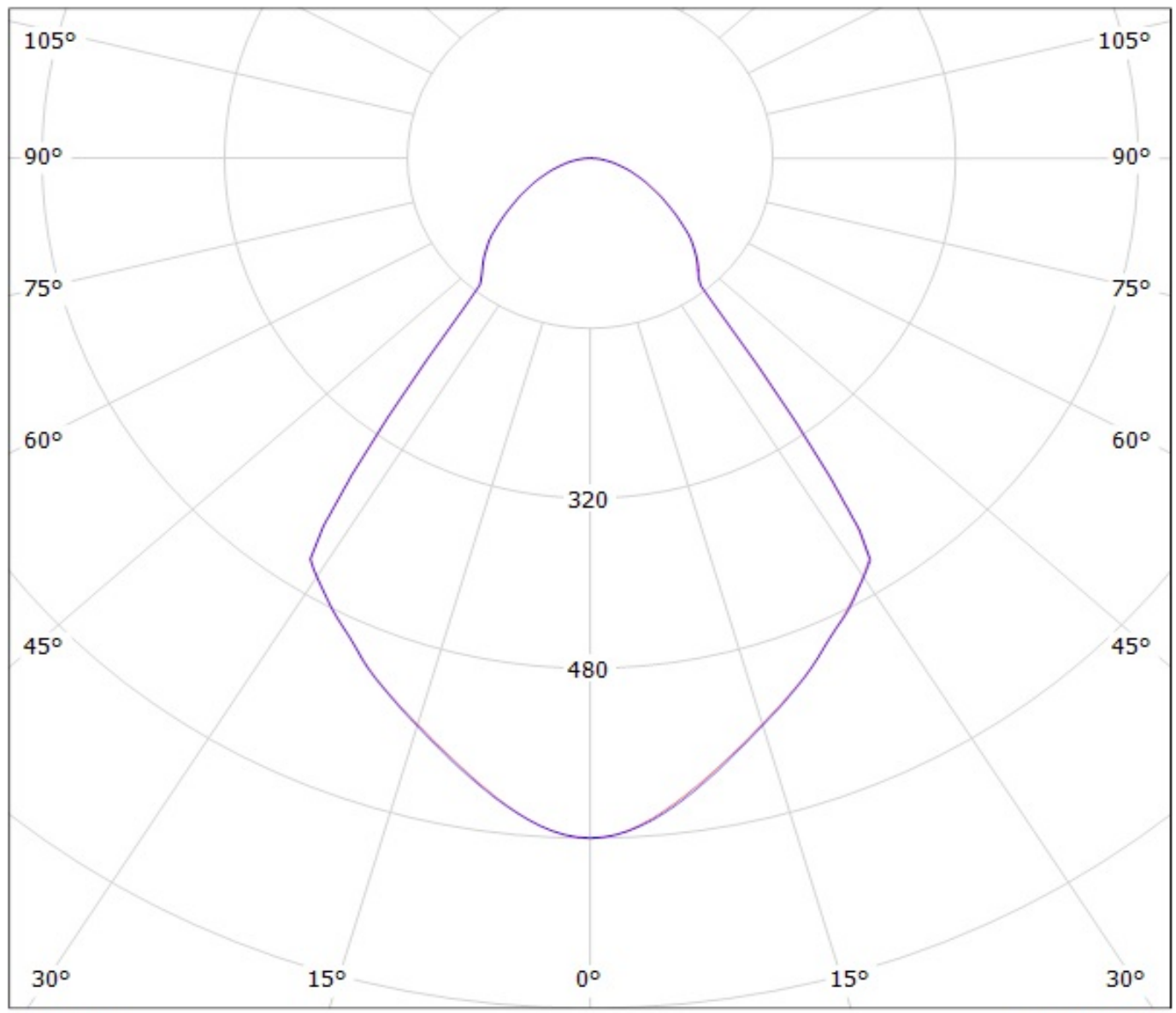


cd/klm

— C0 - C180 — C90 - C270

$\eta = 88\%$

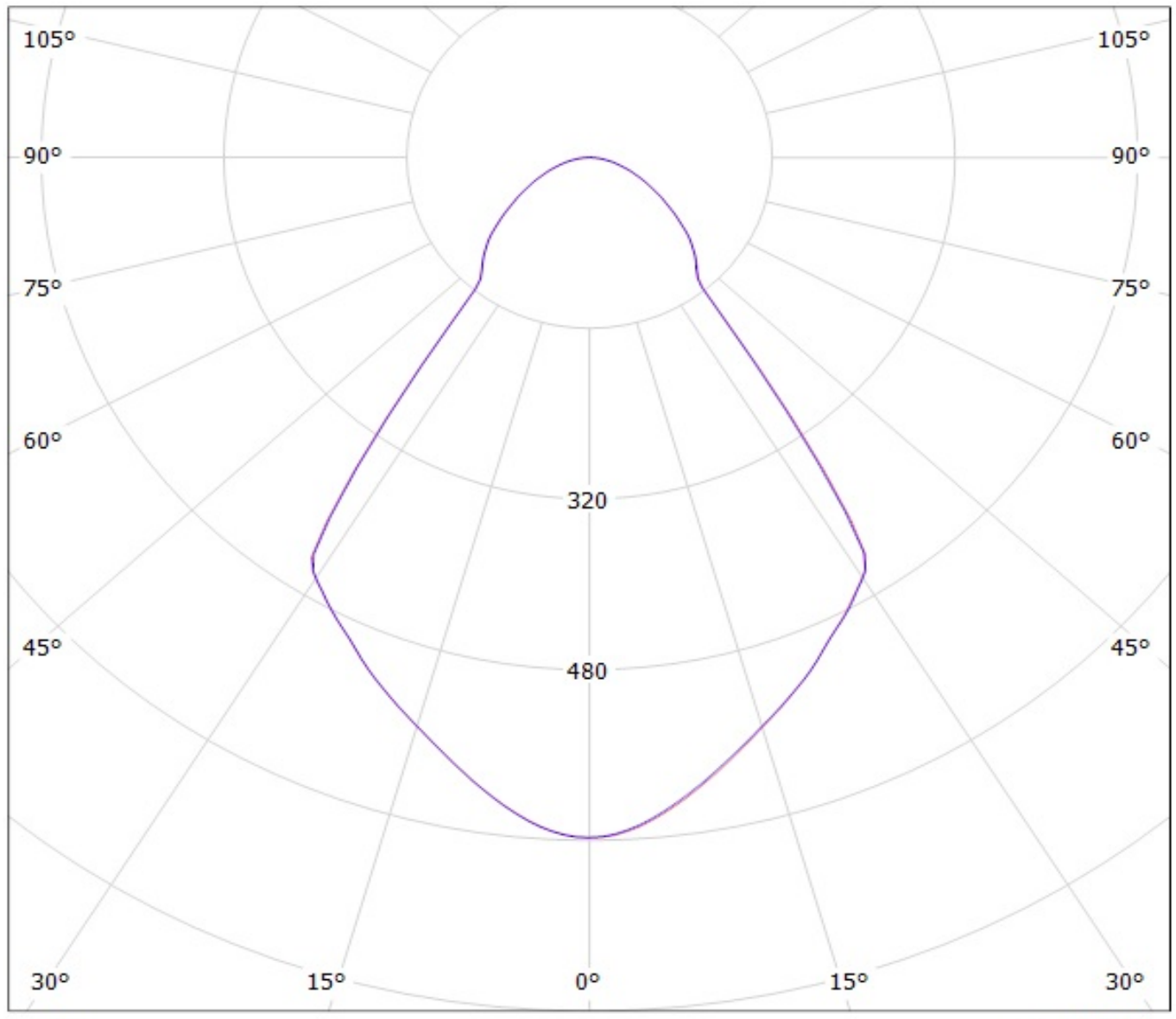
Luminaire: LEDiL Oy F13840_ANGELA-XW_(COB_1205) Eff. 93%
Lamps: 1 x Luxeon_COB_1205_1088.09lm@250mA_P=8.32942W_I=249.9mA



cd/klm
— C0 - C180 — C90 - C270

$\eta = 93\%$

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



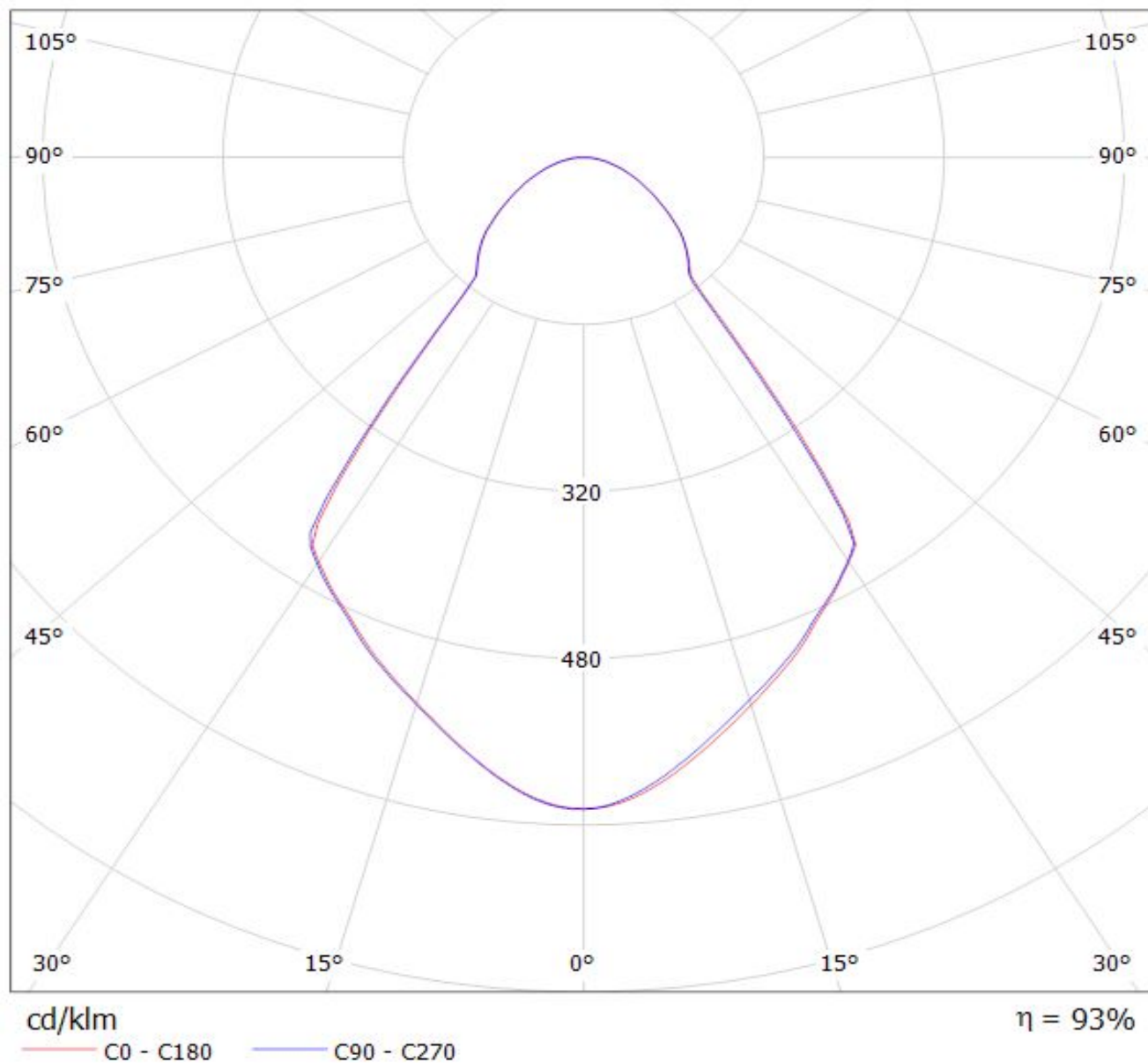
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

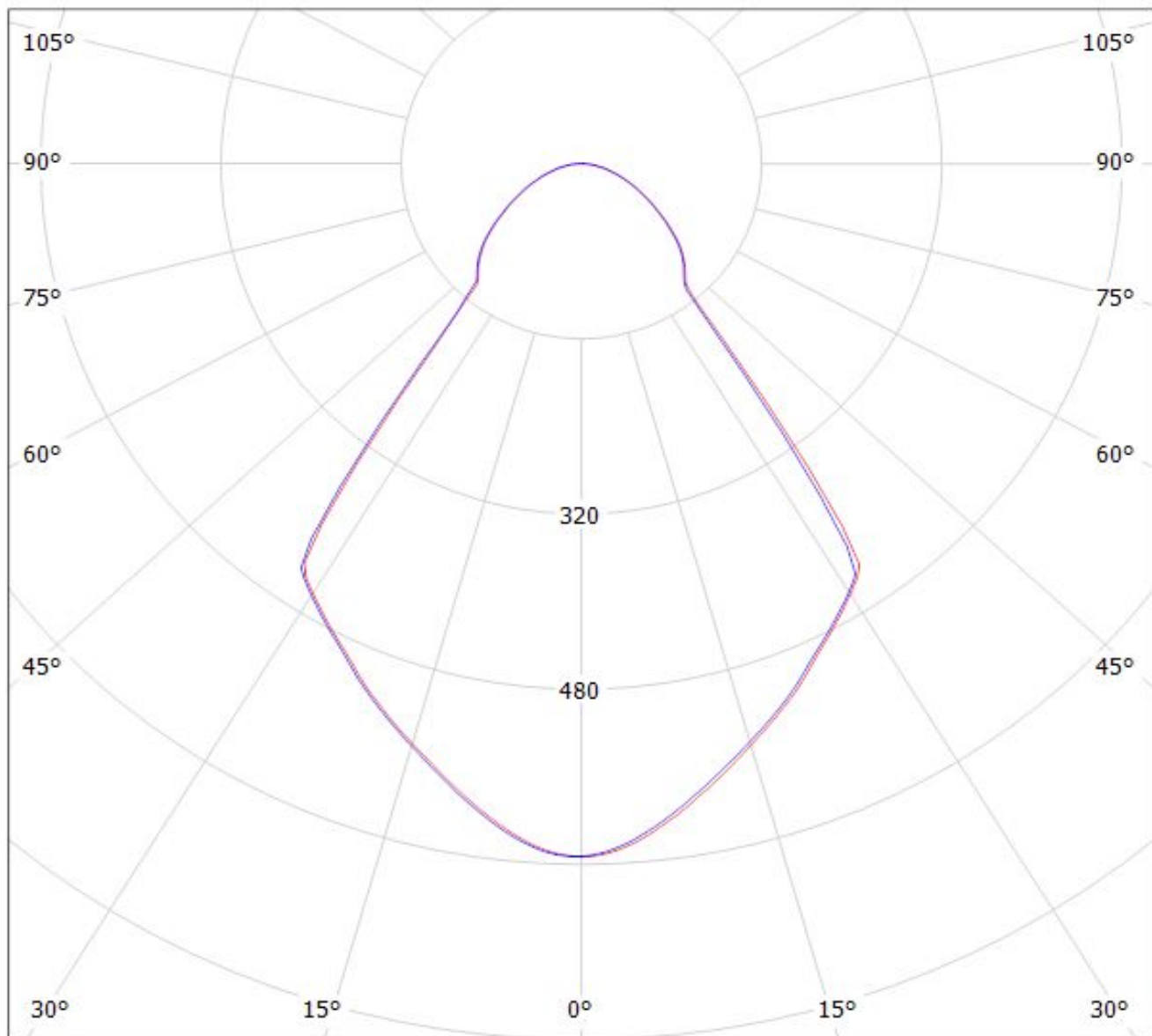
Luminaire: LEDiL Oy F13840_ANGELA-XW_(CXM-14)

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



Luminaire: LEDiL Oy F13840_ANGELA-XW_(NSBxL121A)

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



cd/klm

η = 93%

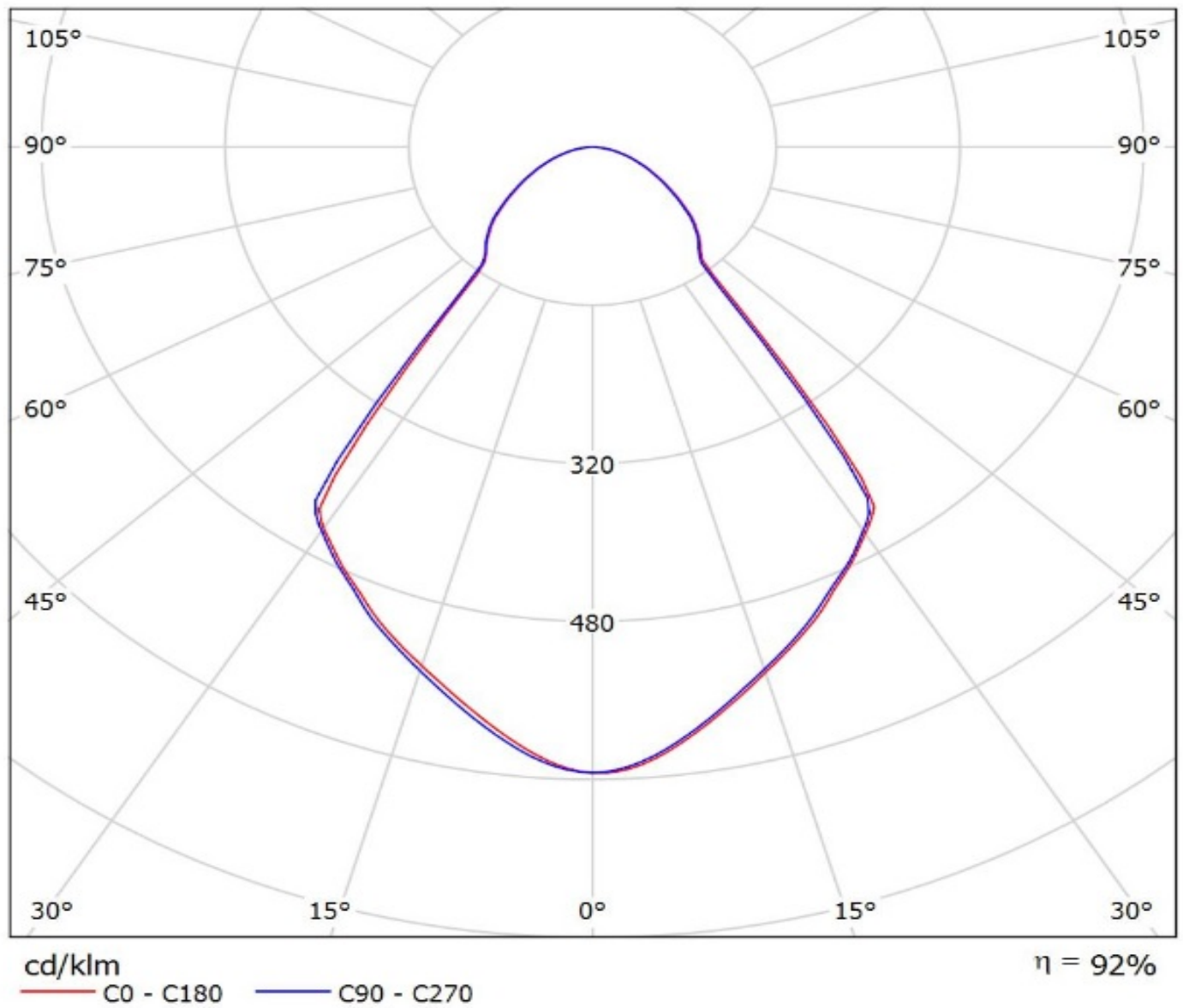
— C0 - C180

— C90 - C270

Ledil F13840_ANGELA-XW_(NFCxL060B)_Tyco / LDC (Polar)

Luminaire: Ledil F13840_ANGELA-XW_(NFCxL060B)_Tyco

Lamps: 1 x Nichia_NFCxL060B_(SM403G2450R8000)_(2213382-2)_(2213194-1)
_1333.35lm@250mA_P=8.4855W_I=0.2500A

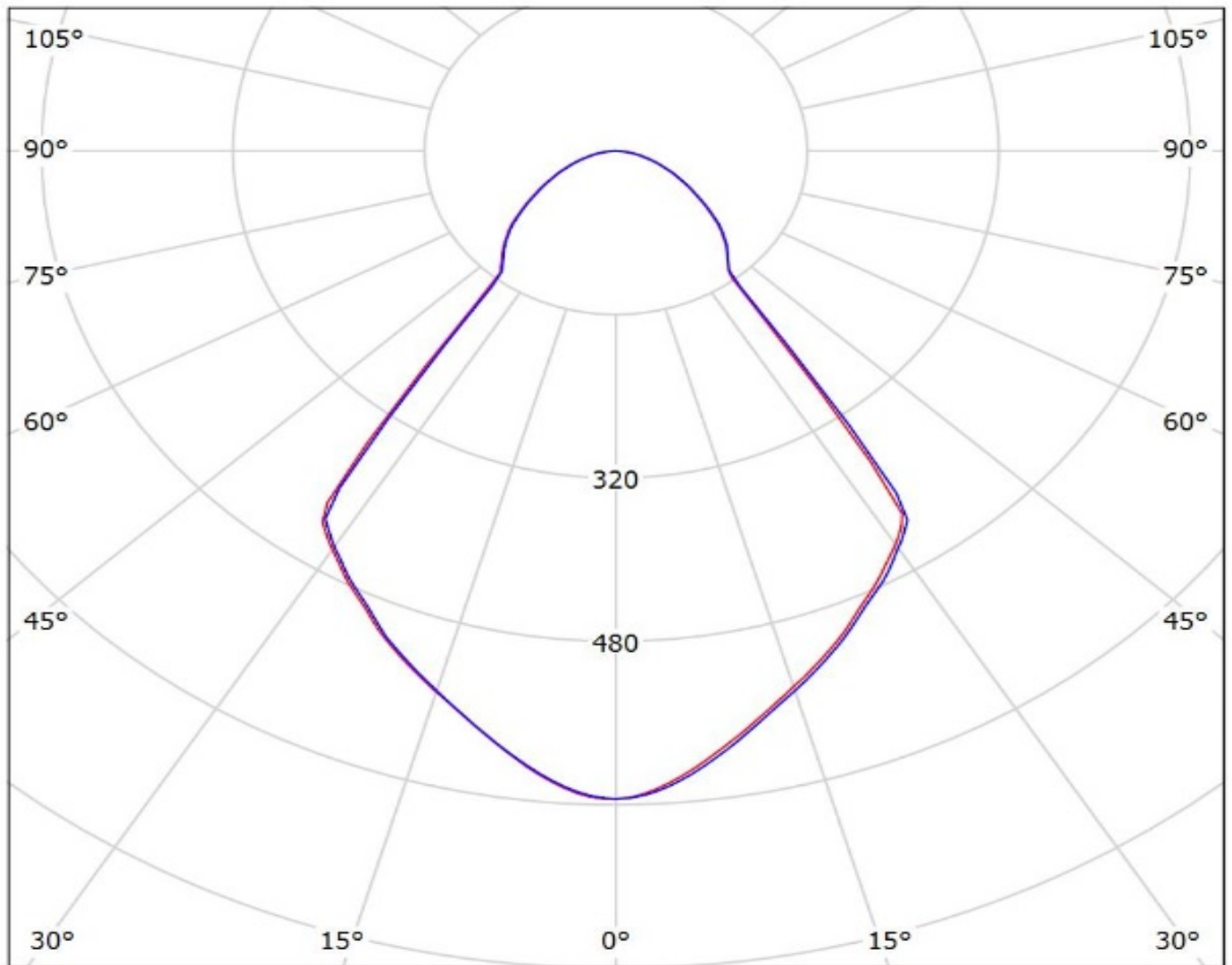


Ledil F13840_ANGELA-XW_(NFCxL036B)_Tyco / LDC (Polar)

Luminaire: Ledil F13840_ANGELA-XW_(NFCxL036B)_Tyco

Lamps: 1 x Nichia_NFCxL036B_(SM403J1300R8000)_(2213382-2)_(2213194-1)

_555.018lm@100mA_P=3.3461505W_I=0.0999A



cd/klm

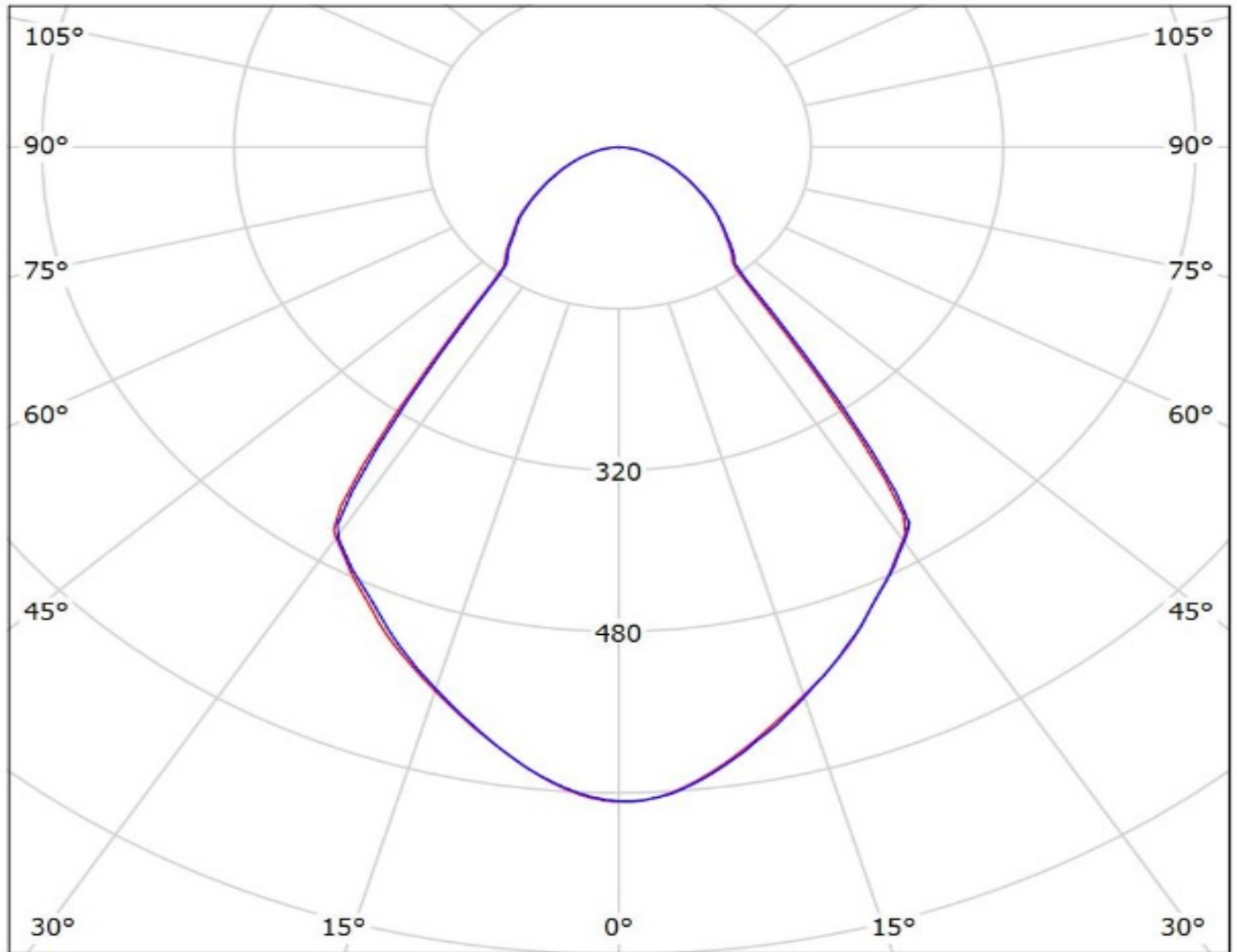
— C0 - C180

— C90 - C270

$\eta = 92\%$

Ledil F13840_ANGELA-XW_(NFDxJ130B)_(IDEAL_50-2103NC)_(502100AN) /
LDC (Polar)

Luminaire: Ledil F13840_ANGELA-XW_(NFDxJ130B)_(IDEAL_50-2103NC)_(502100AN)
Lamps: 1 x Nichia_NFDxJ130B_(NFDLJ130B)_(IDEAL_50-2103NC)_(502100AN)
_1498.26lm@250mA_P=8.90575W_I=0.2500A

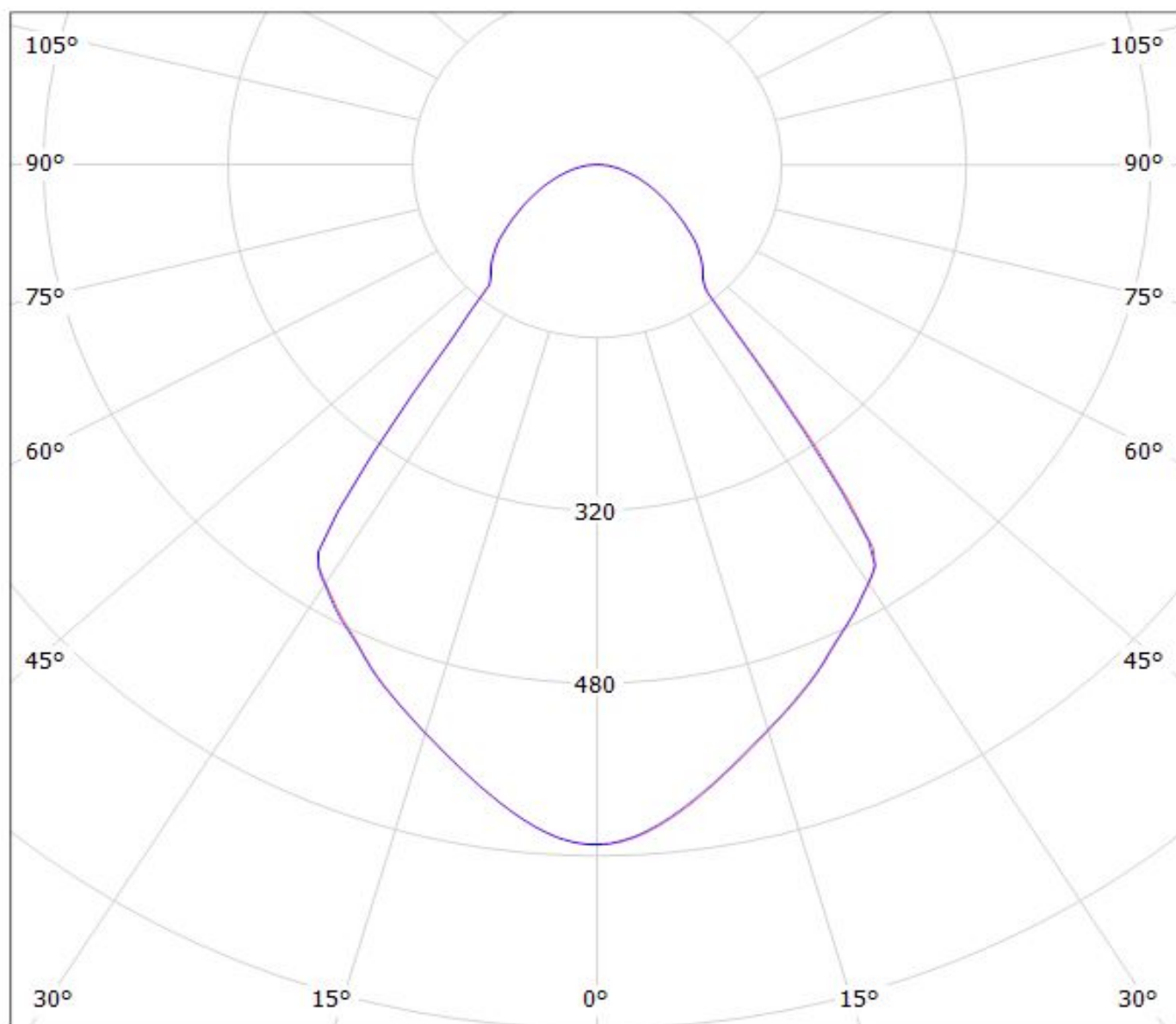


cd/klm
— C0 - C180 — C90 - C270

$\eta = 91\%$

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



cd/klm

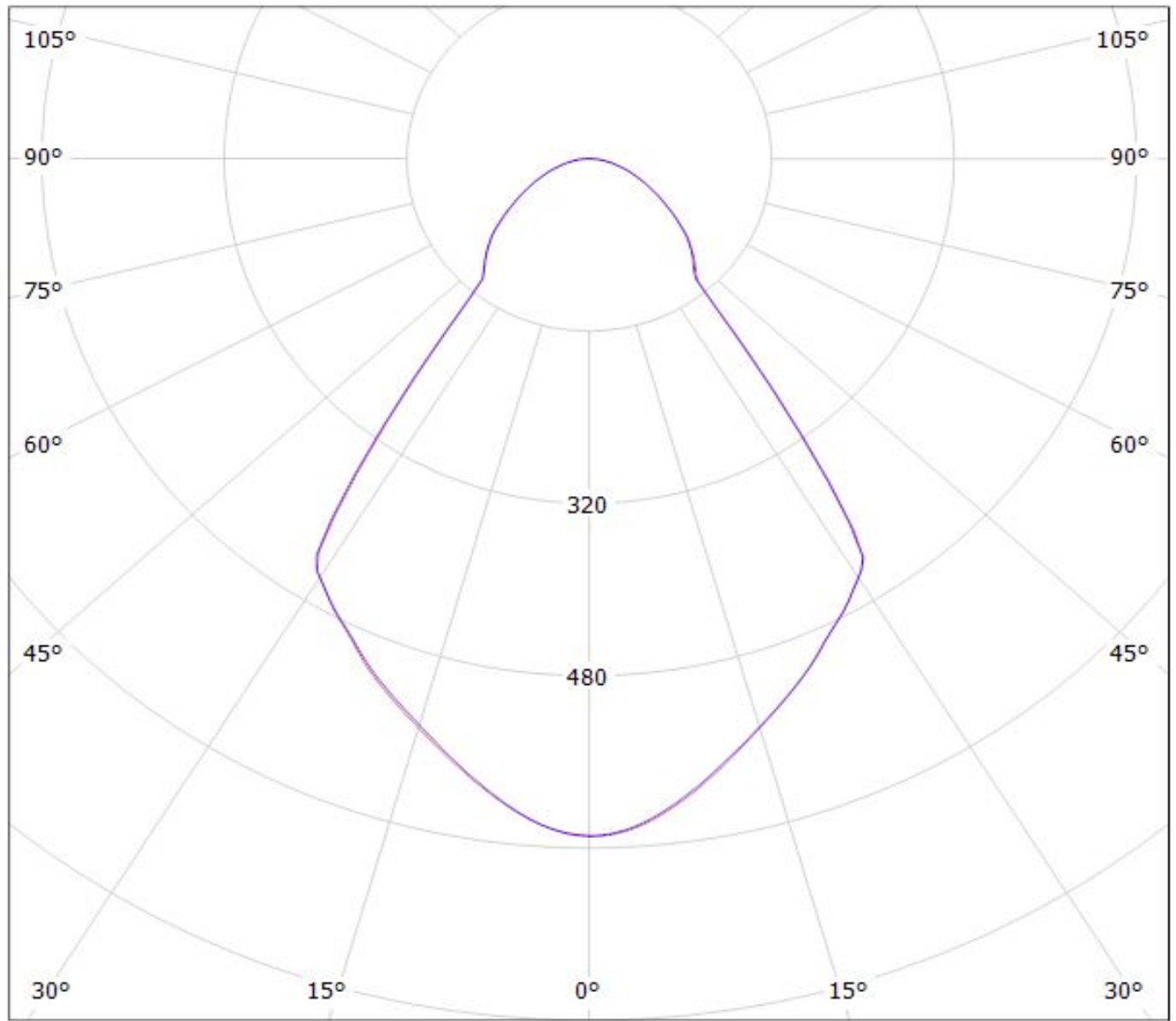
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13840_ANGELA-XW_(S19) Eff.92.4%

Lamps: 1 x Osram_Soleroiq_S19_1396.23lm@250mA_P=10.5575W_I=249.8mA

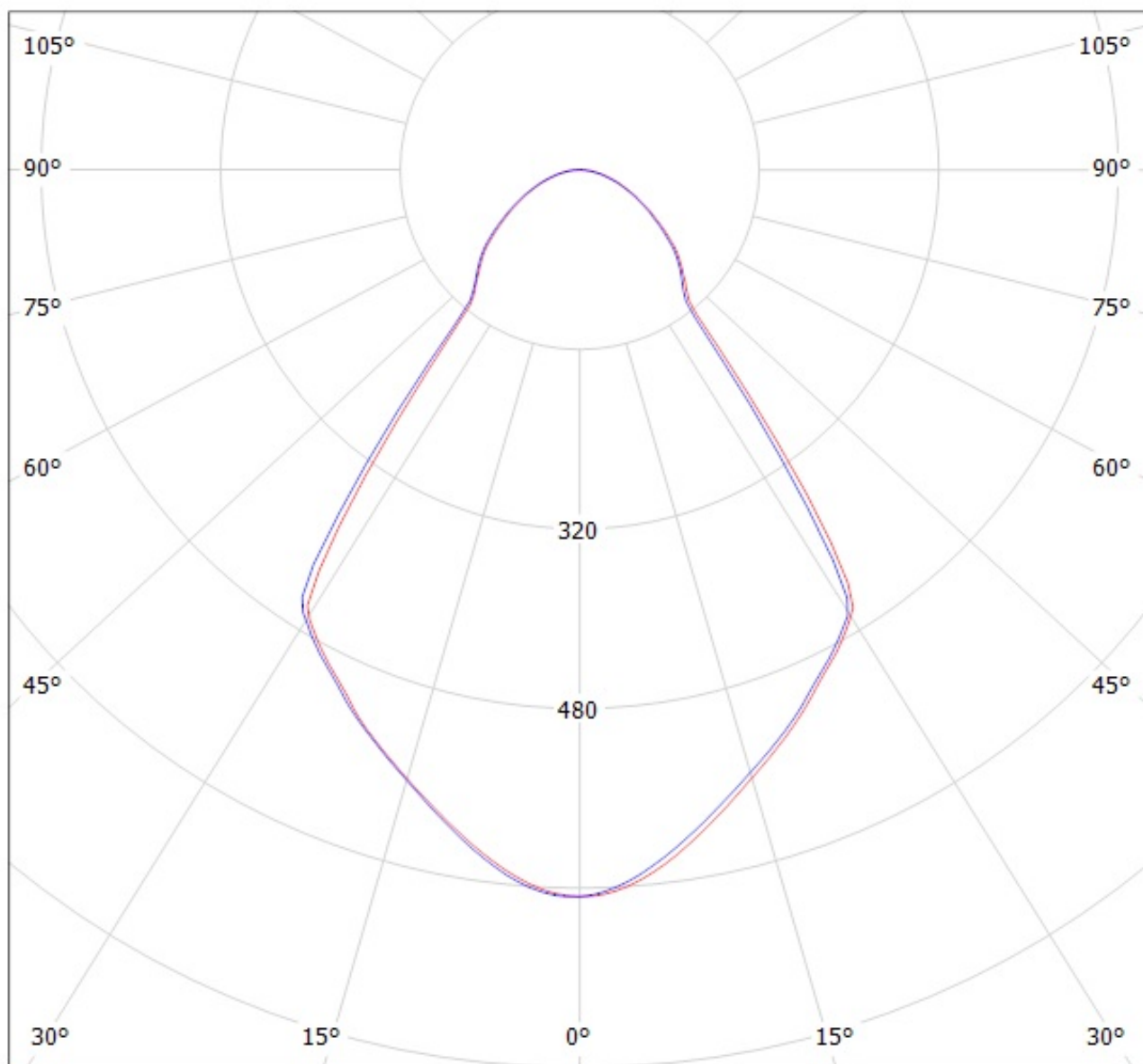


cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

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



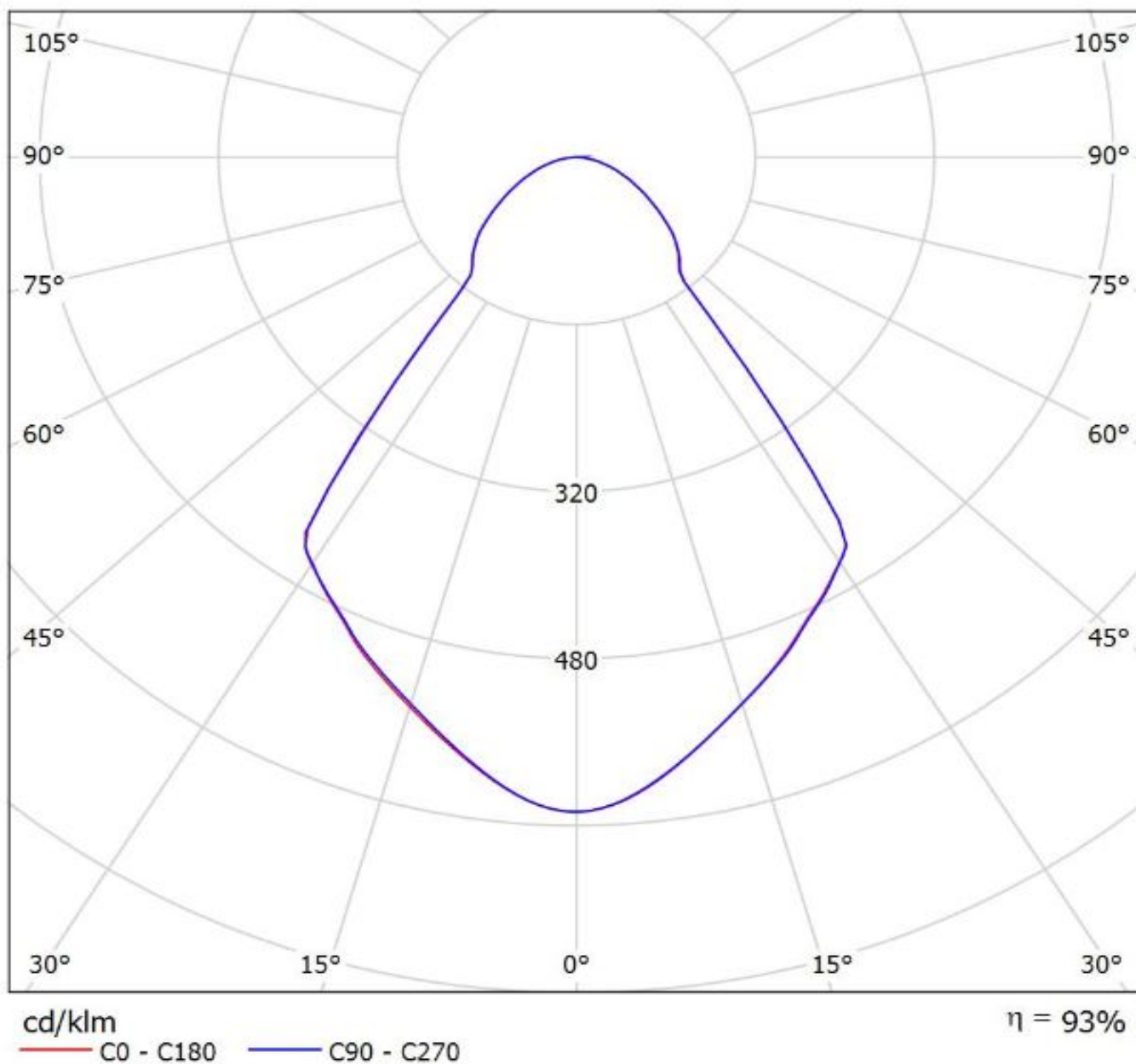
cd/klm

— C0 - C180 — C90 - C270

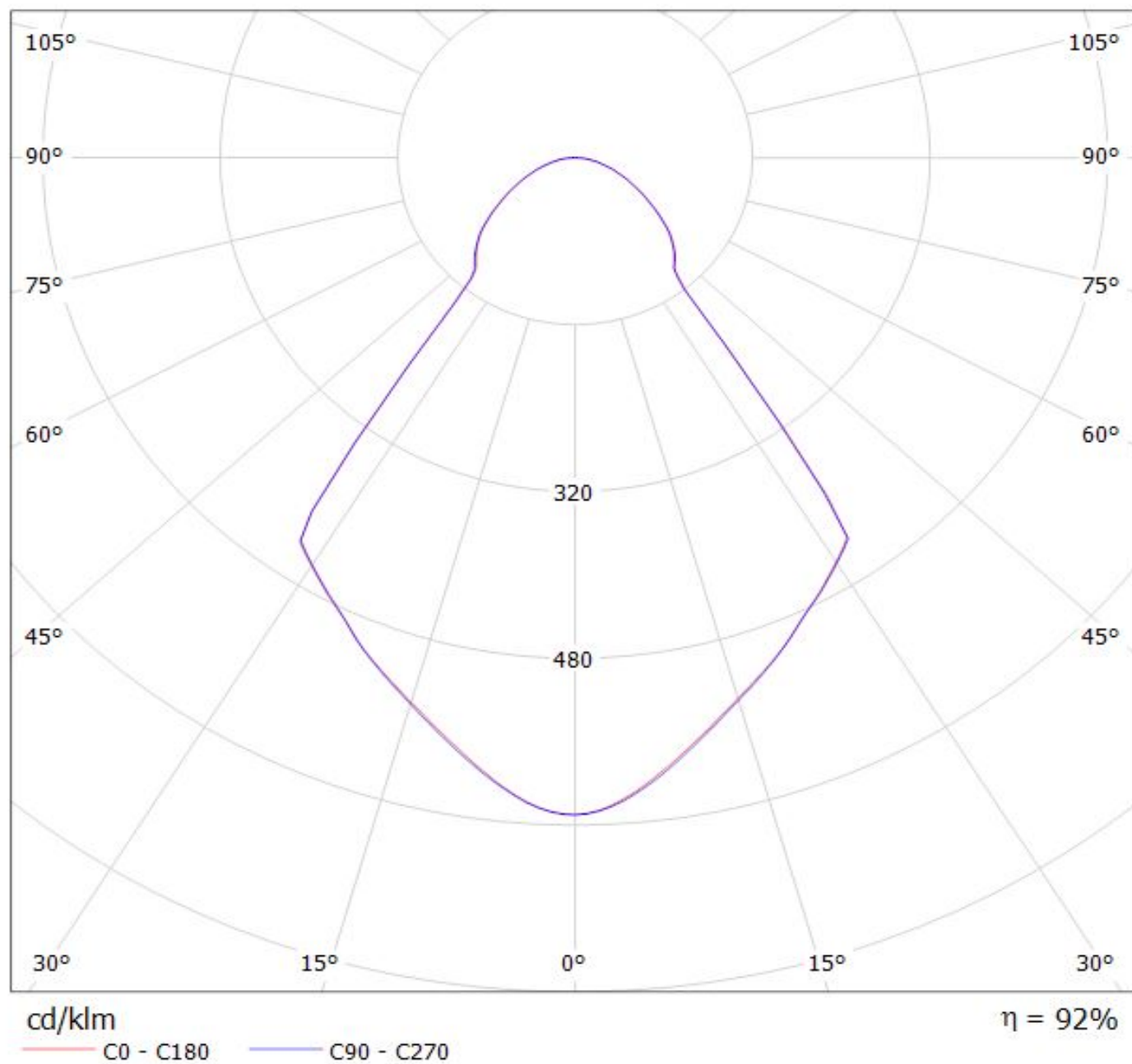
$\eta = 93\%$

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

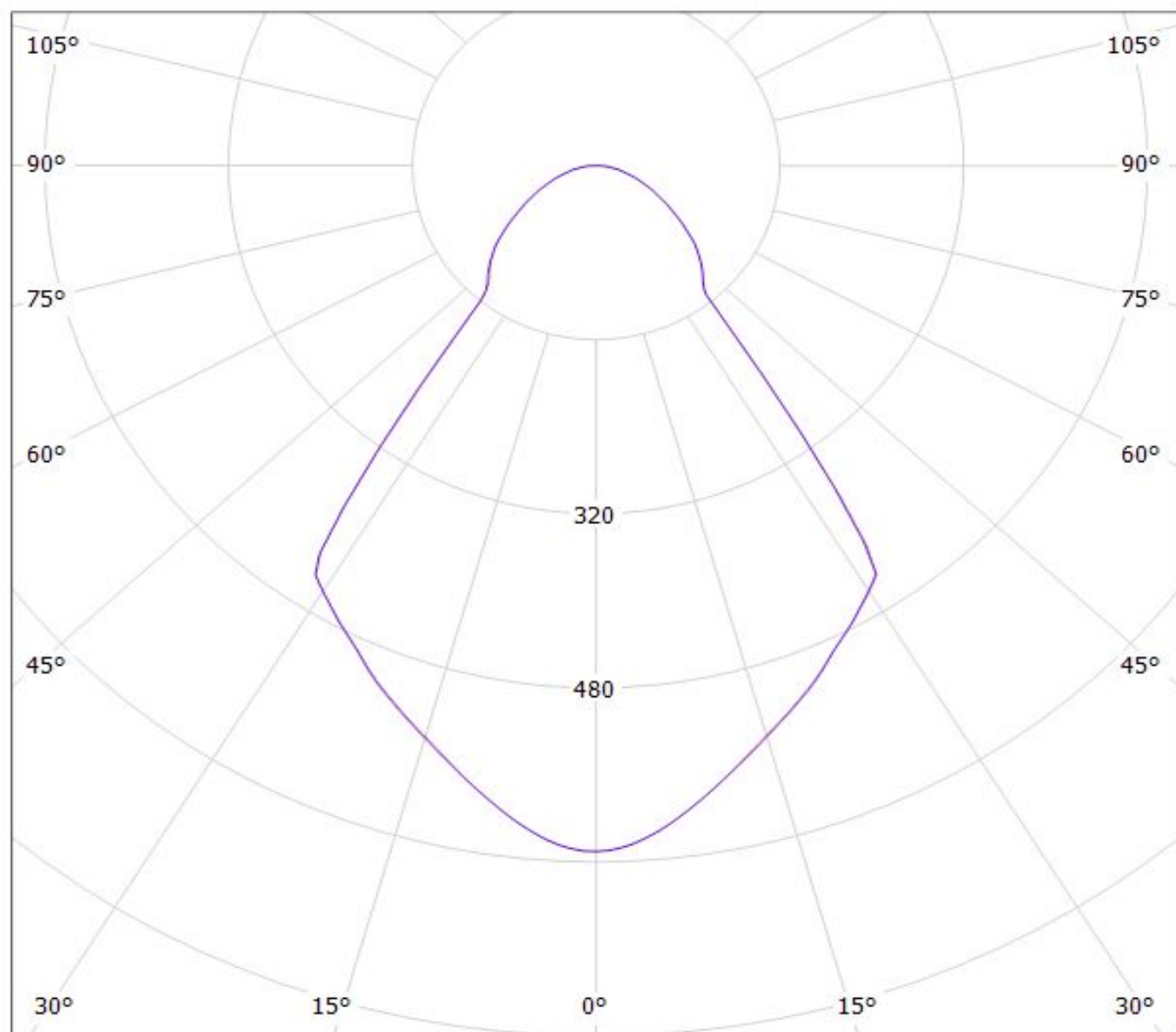


Luminaire: LEDiL Oy F13840_ANGELA-XW_(Fortimo LED SLM 1100 lm 830 L9 G4)
Lamps: 1 x Fortimo LED SLM 1100 lm 830 L9 G4_1021.27lm@250mA_P=9.2431W_I=0.2498A



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

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



cd/klm

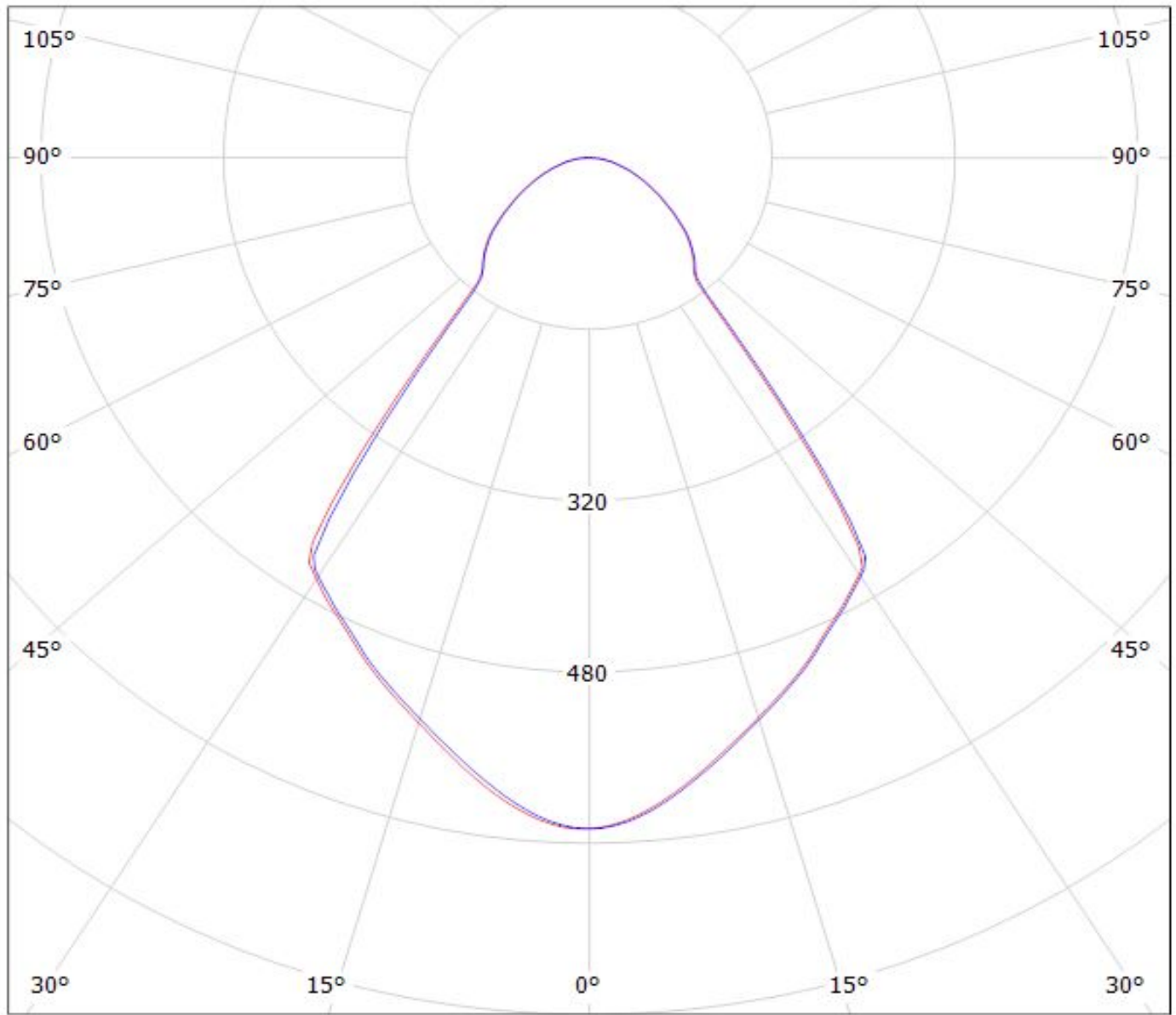
— C0 - C180

— C90 - C270

$\eta = 93\%$

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



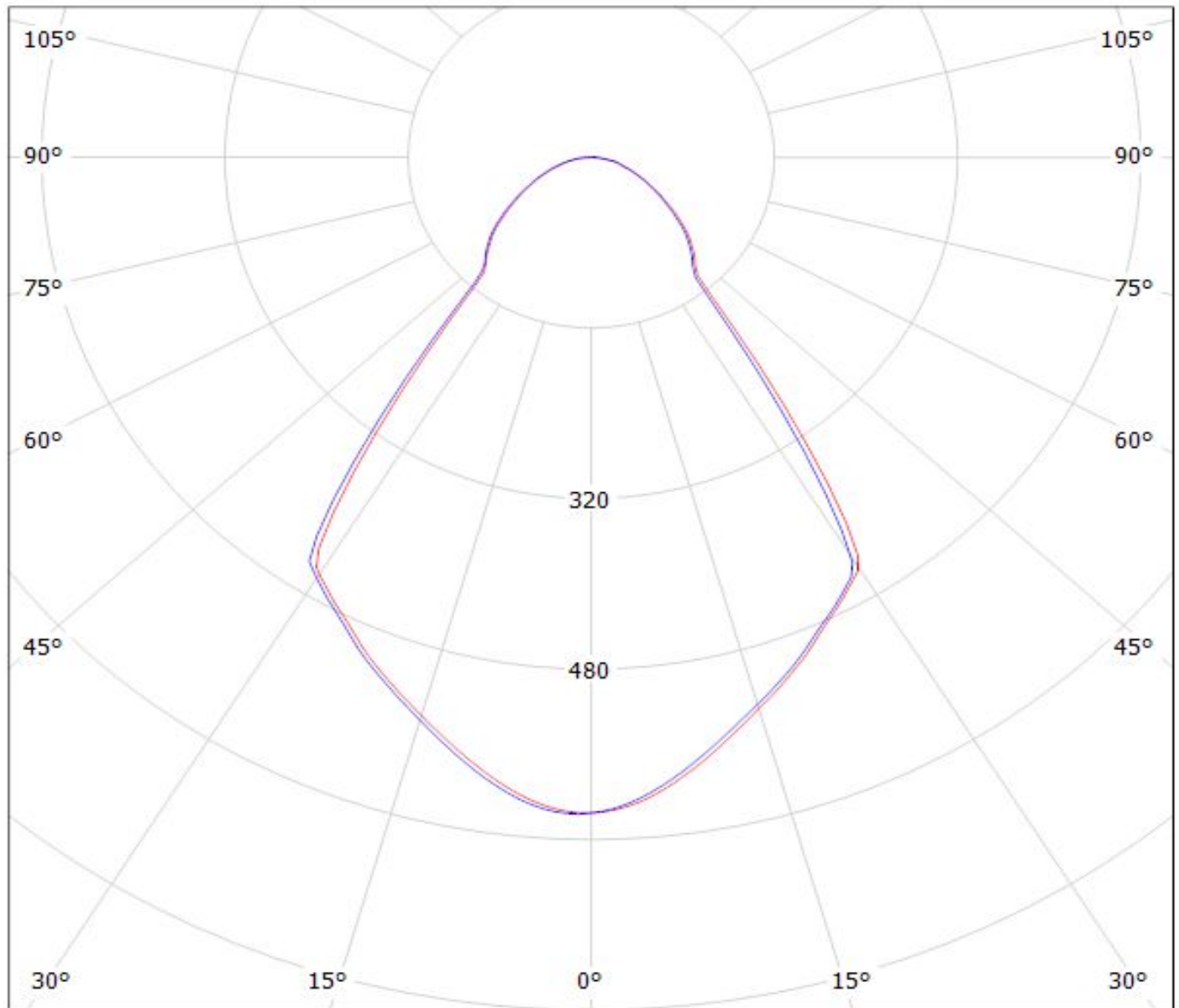
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

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

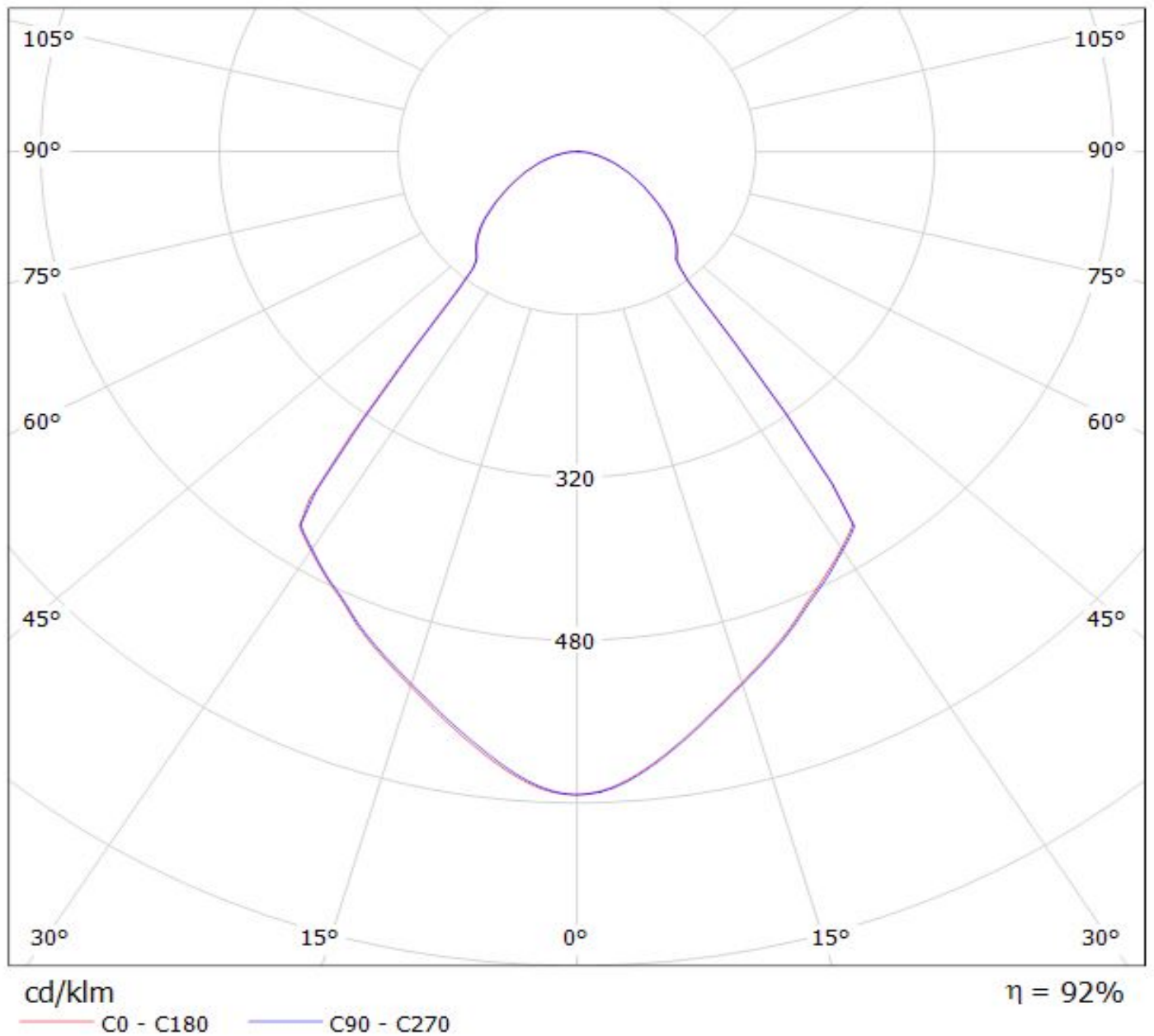


cd/klm

— C0 - C180 — C90 - C270

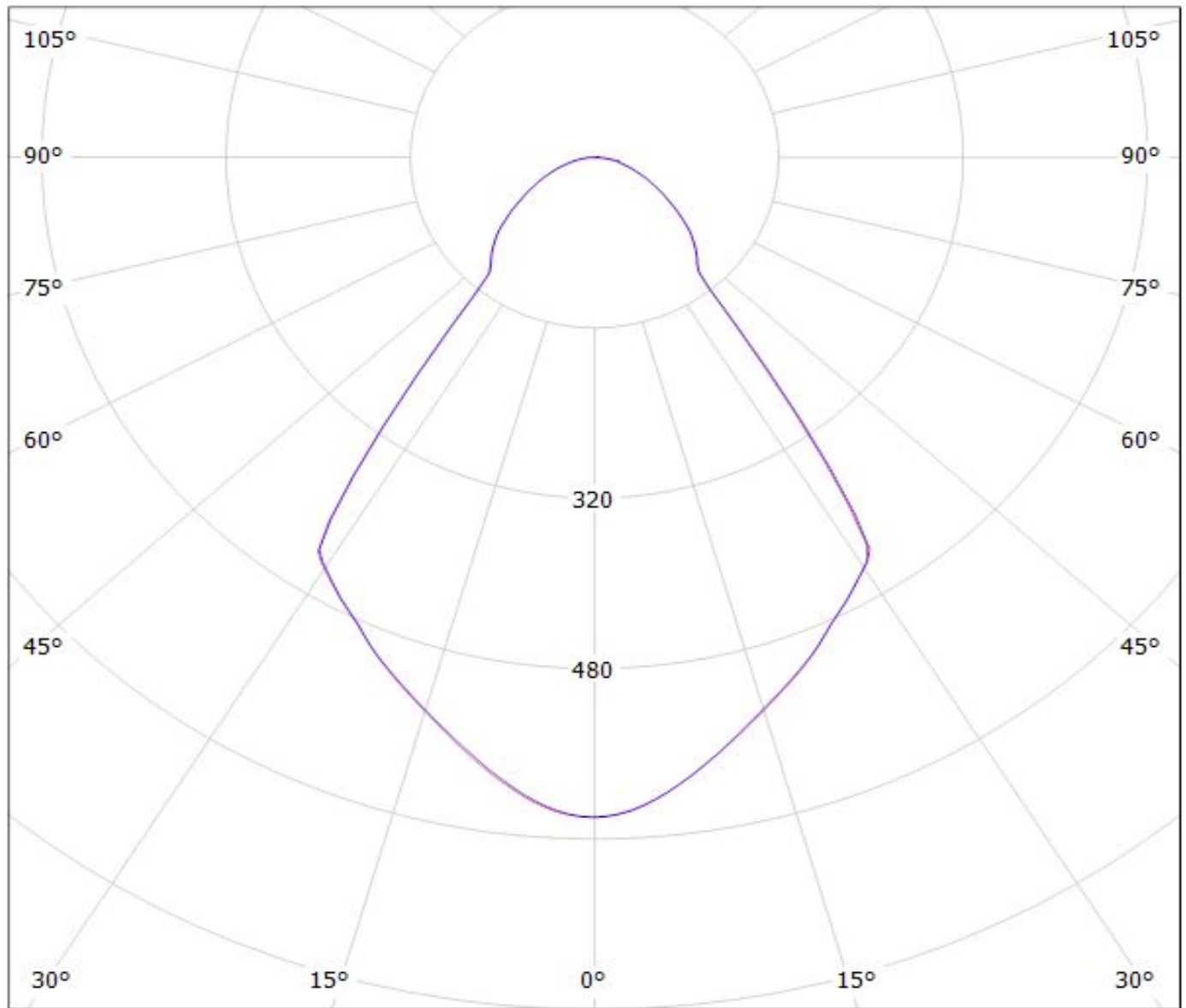
$\eta = 92\%$

Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLM-G5-LES-9)_(Z50-Optic-Clip)
Lamps: 1 x Fortimo_SLM-G5-LES-9_1182.49lm@250mA_P=8.5848W_I=0.250A



Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLM-G5_LES-15)

Lamps: 1 x Fortimo_SLM-G5_LES-15_1257.61lm@250mA_P=8.1569W_I=0.250A



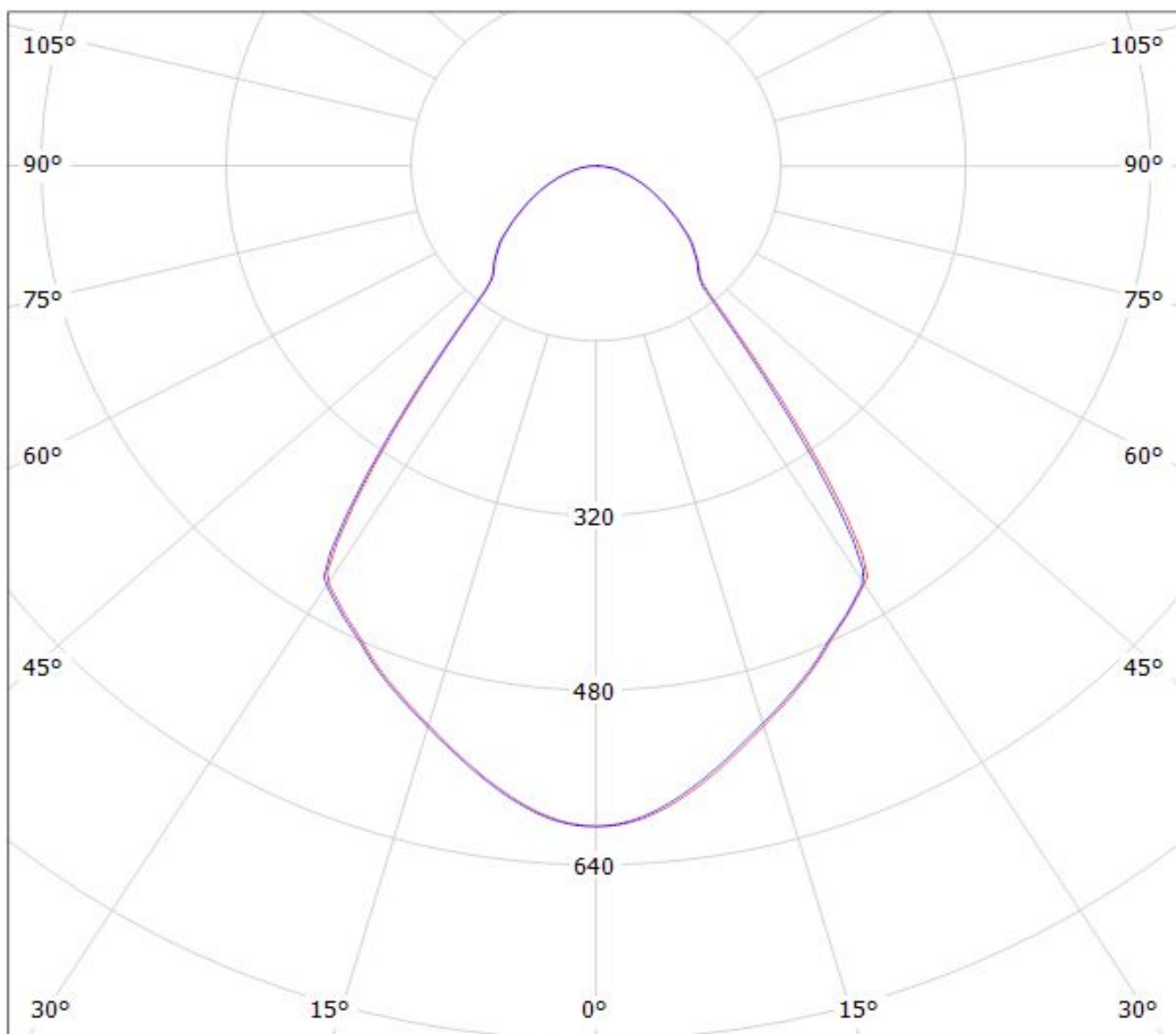
cd/klm

— C0 - C180

— C90 - C270

$\eta = 90\%$

Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLM-G5_LES-19)_ (Z50_Optic_Clip)
Lamps: 1 x Fortimo_SLM-G5_LES-19_1397.58lm@250mA_P=8.0385W_I=0.250A

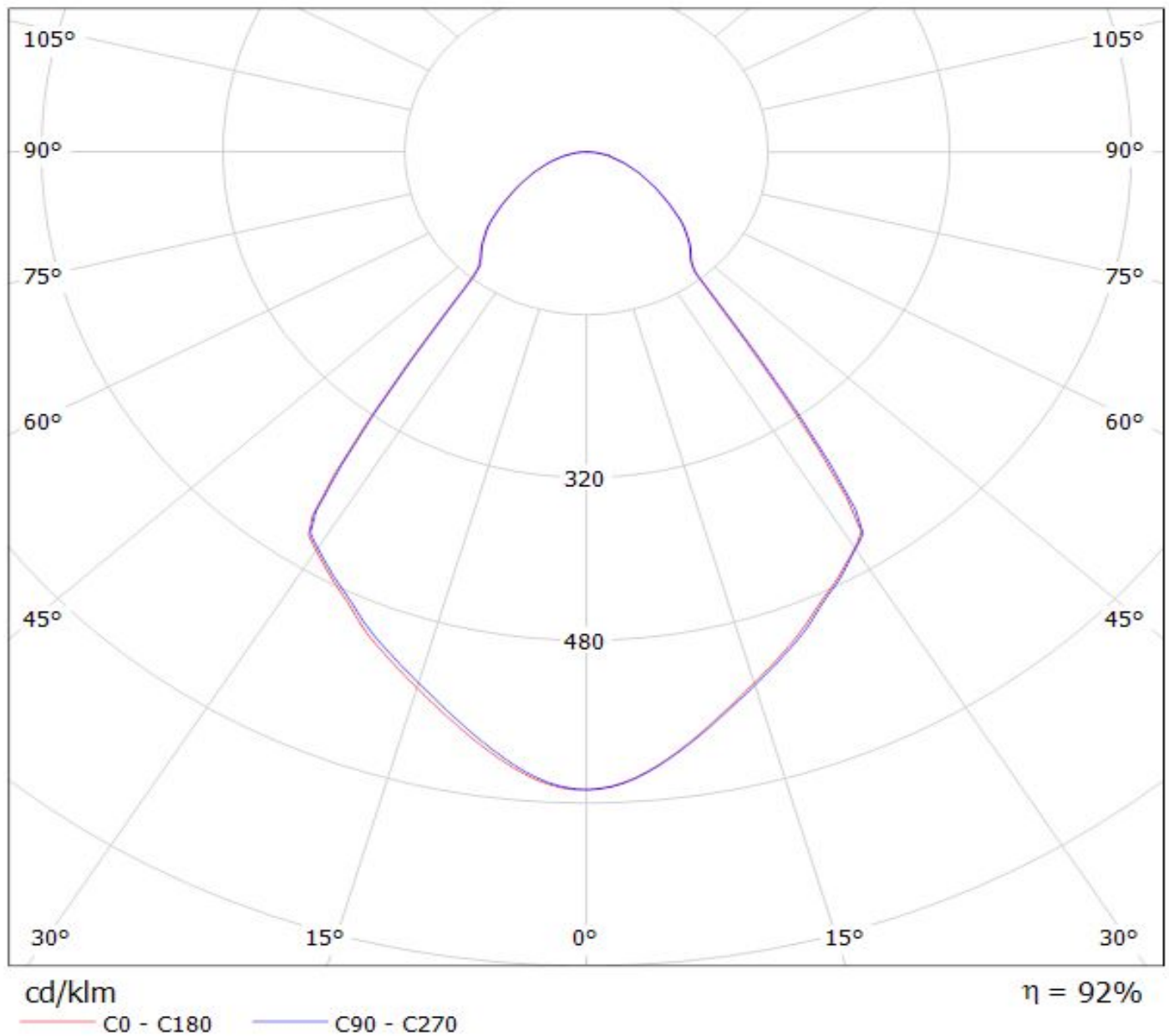


cd/klm

— C0 - C180 — C90 - C270

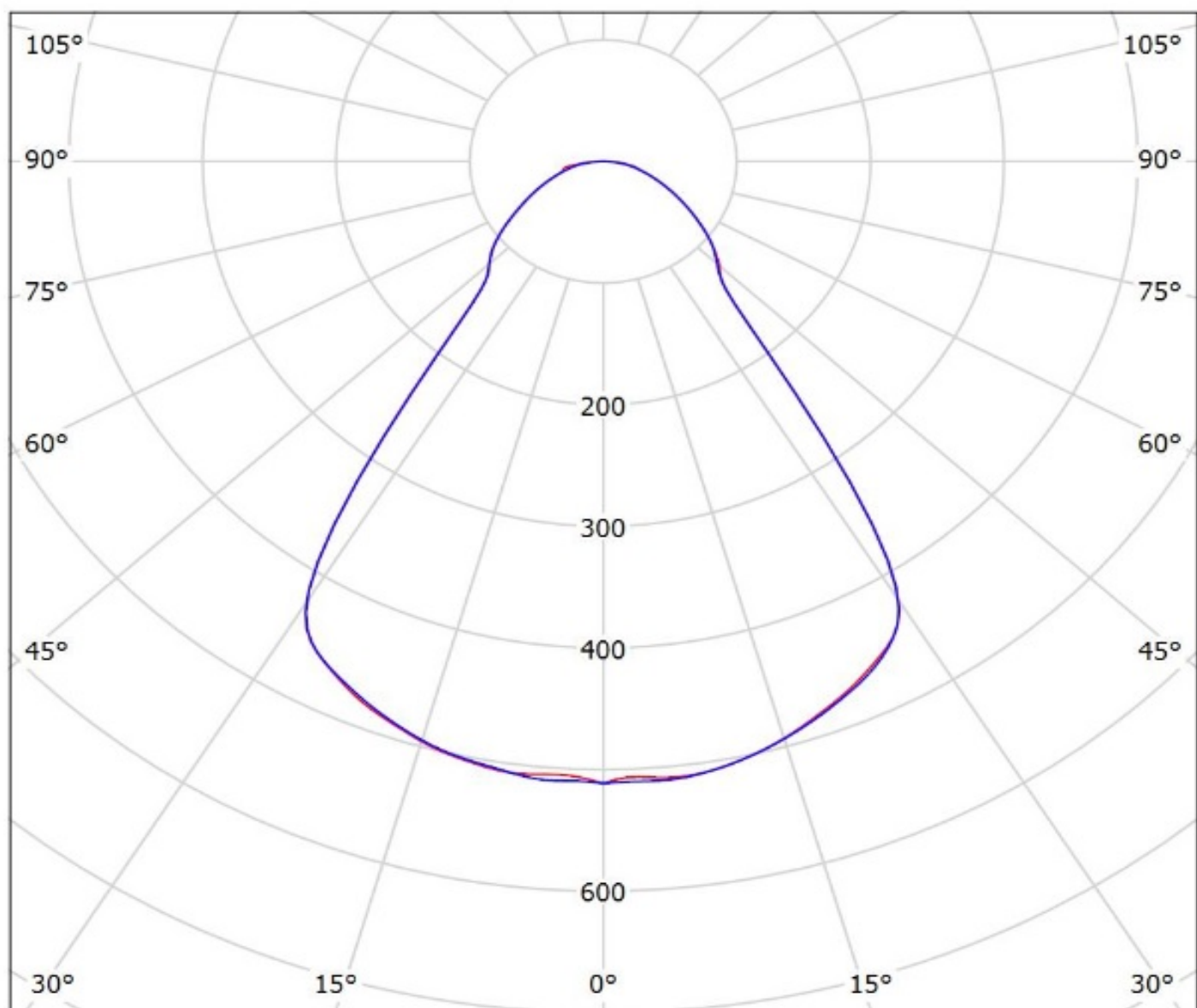
$\eta = 89\%$

Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLM-G5_LES-13)_ (Z50-Optic-Clip)
Lamps: 1 x Fortimo_SLM-G5_LES-13_1300.47lm@250mA_P=8.4010W_I=0.250A



Luminaire: Ledil Oy F13840_ANGELA-XW_(Fortimo_SLM_1208_L15_G6_standard)_(TE_2213194-1)
_SIMULATED

Lamps: 1 x Philips Fortimo SLM 1208 L15 G6 standard + Tyco Electronics 2213194-1



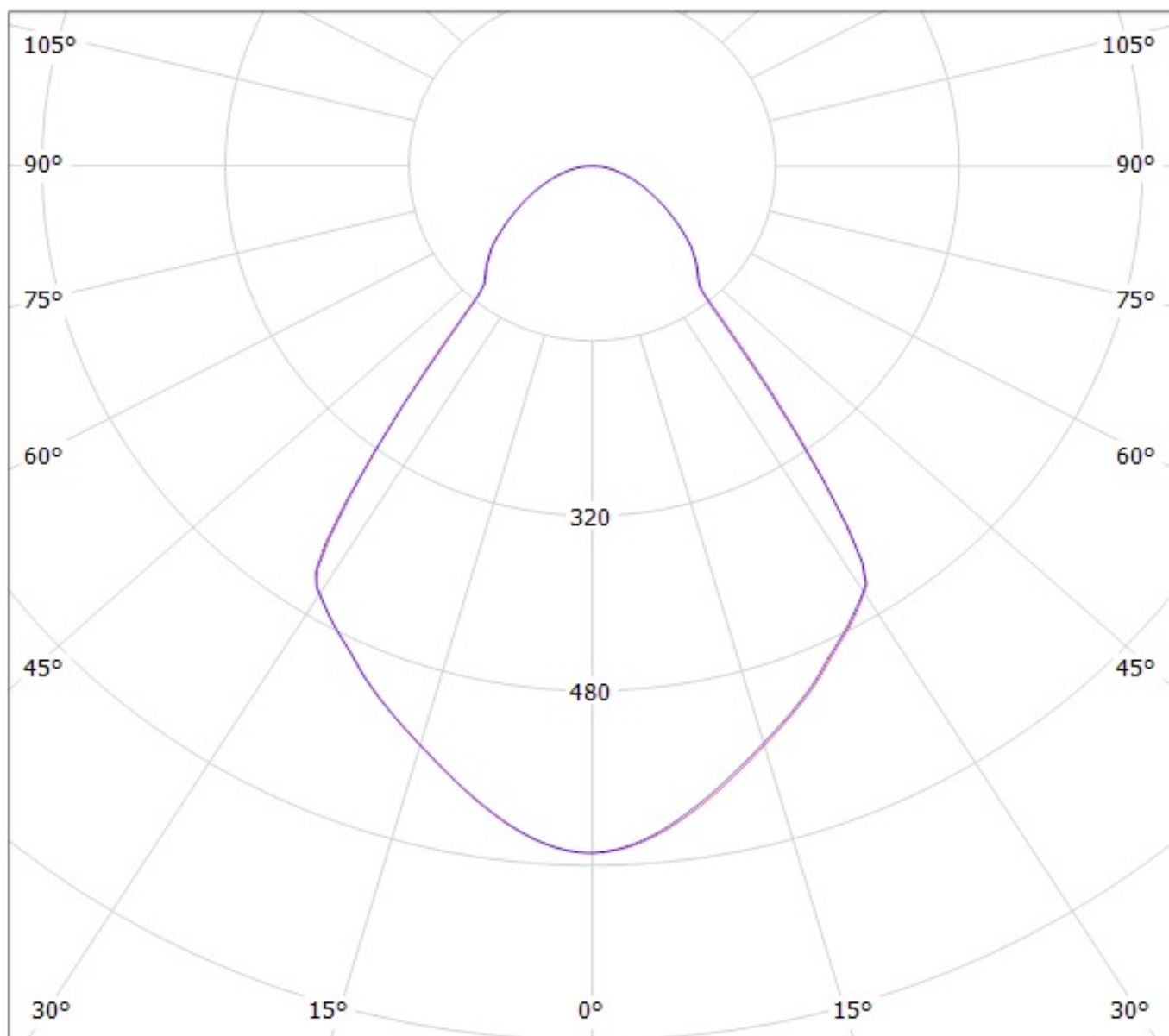
cd/klm

— C0 - C180 — C90 - C270

$\eta = 87\%$

Luminaire: LEDiL Oy F13840_ANGELA-XW_(LC026B)

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



cd/klm

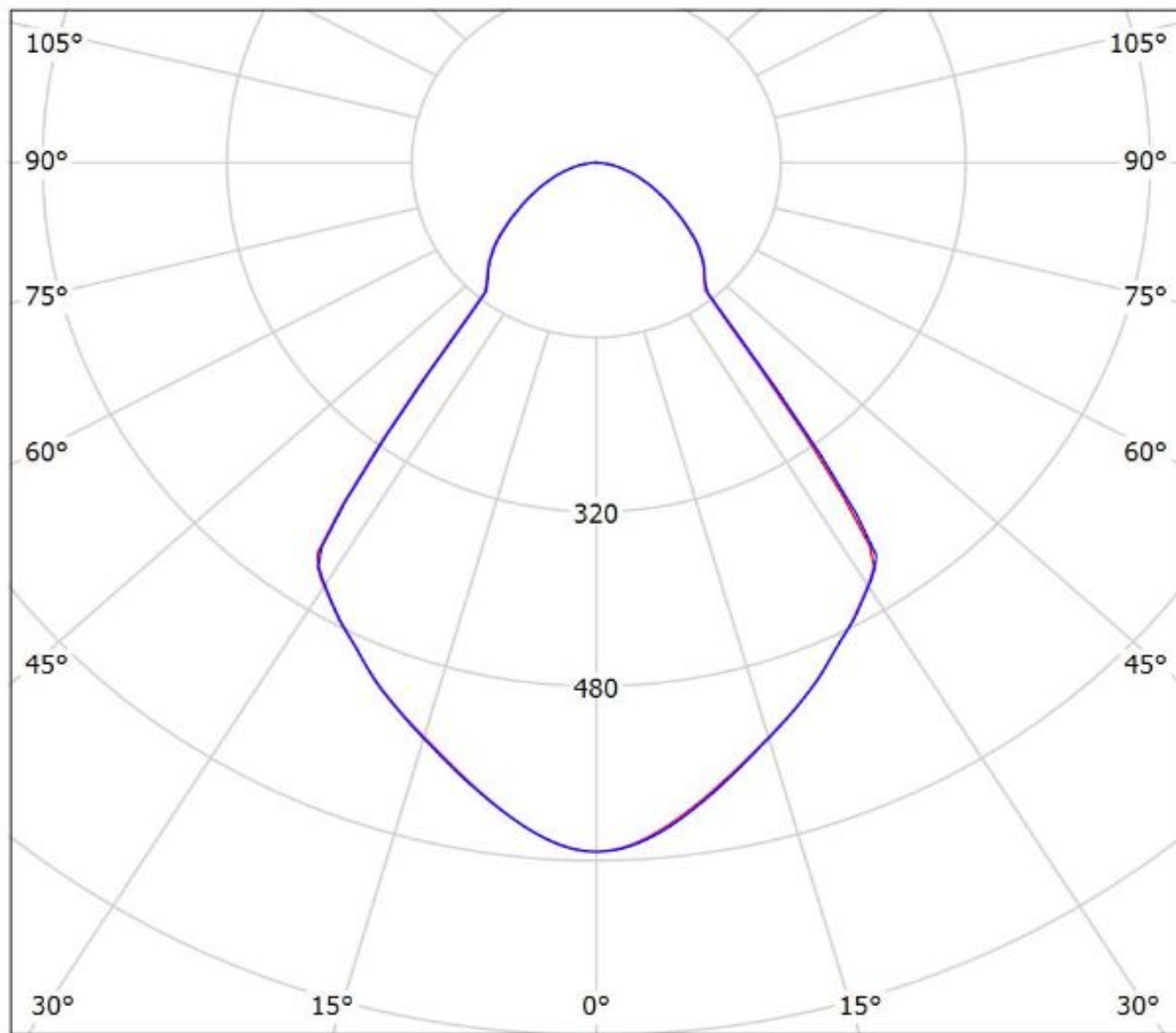
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: Ledil F13840_ANGELA-XW_(LC040C+TE)

Lamps: 1 x Samsung_LC040C+_2213382-2+_2213194-1_1194.16lm@250mA_CCT=4000K_P=8.137W



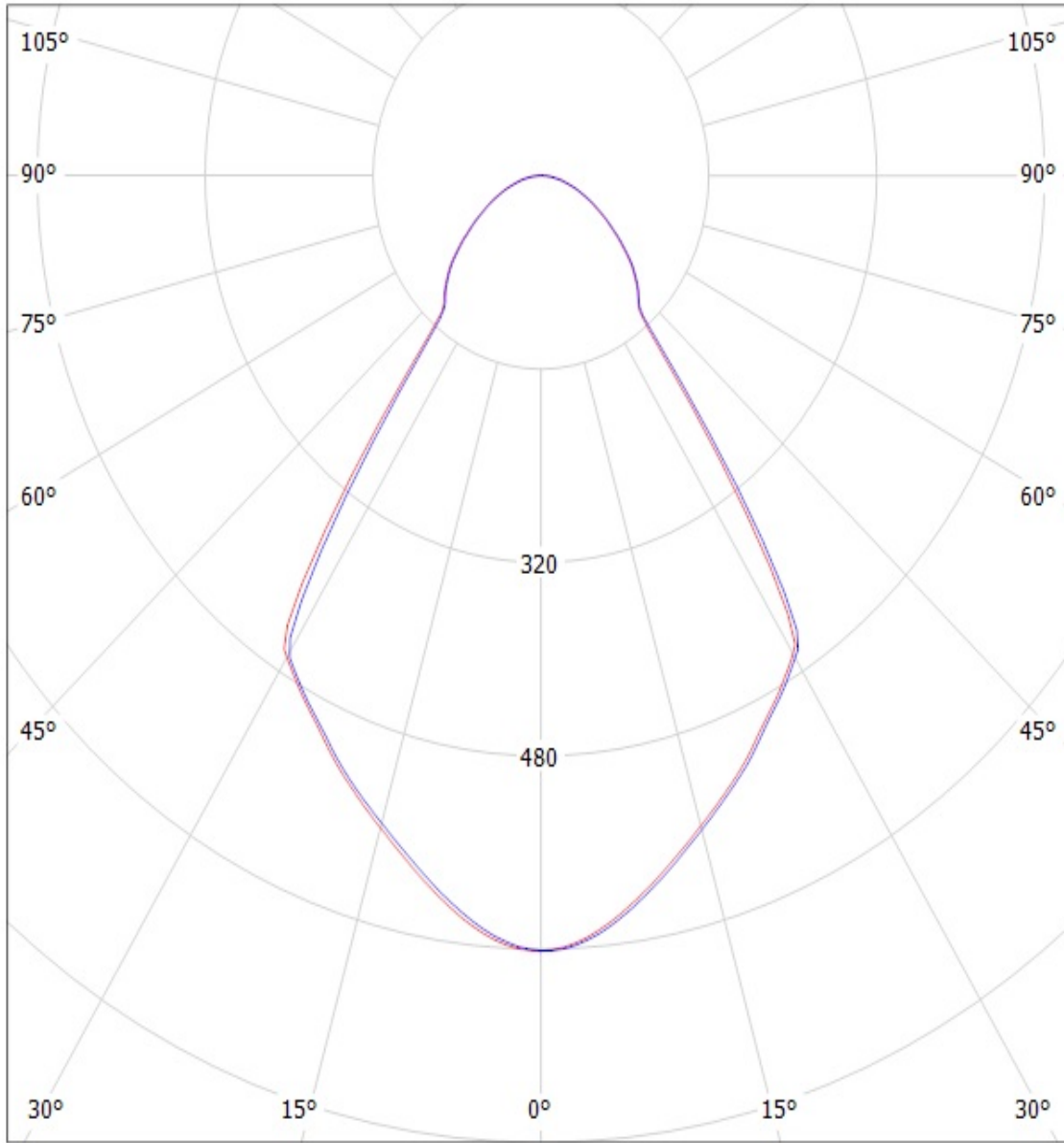
cd/klm

— C0 - C180 — C90 - C270

η = 92%

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



cd/klm

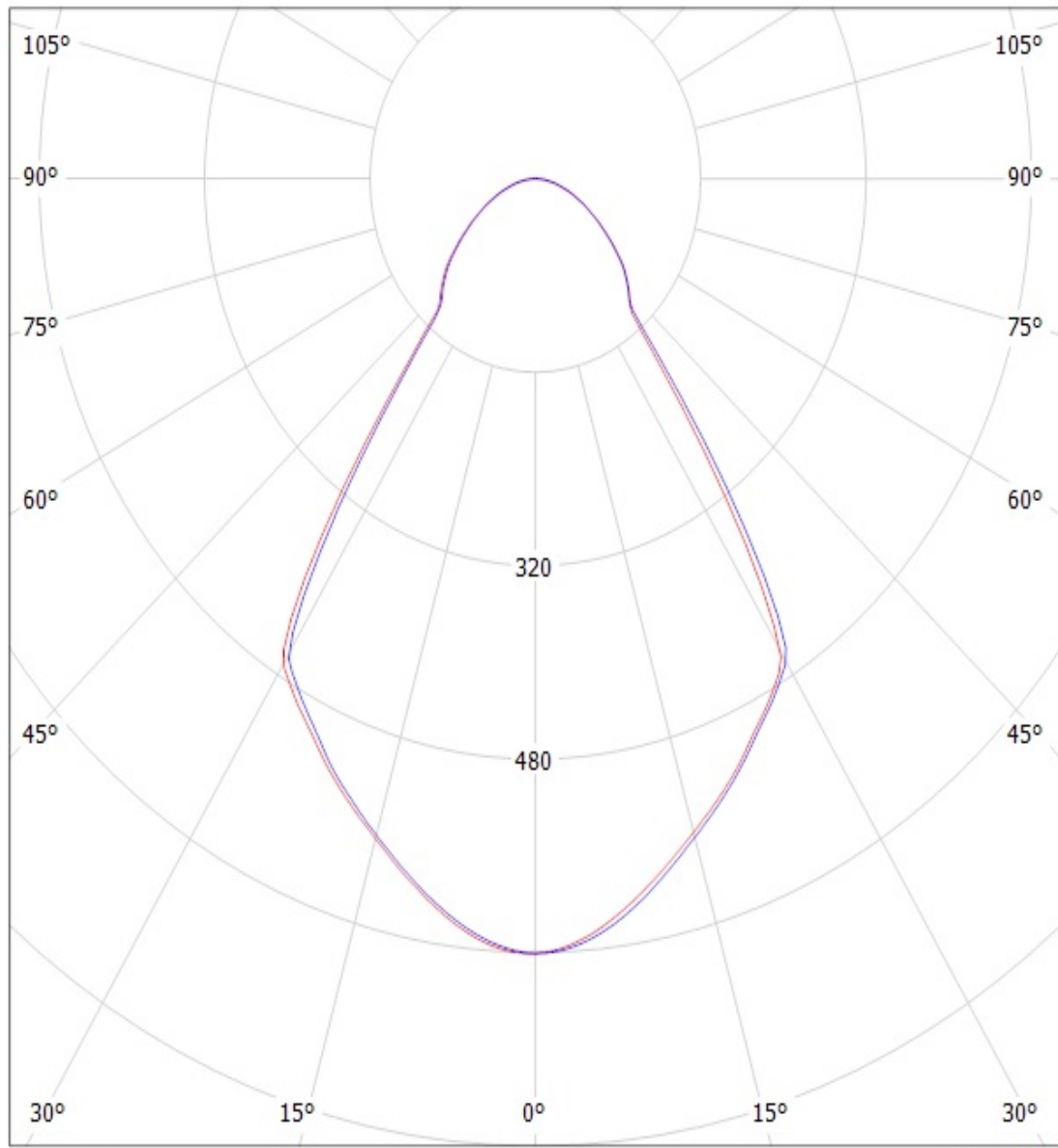
— C0 - C180

— C90 - C270

$\eta = 93\%$

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



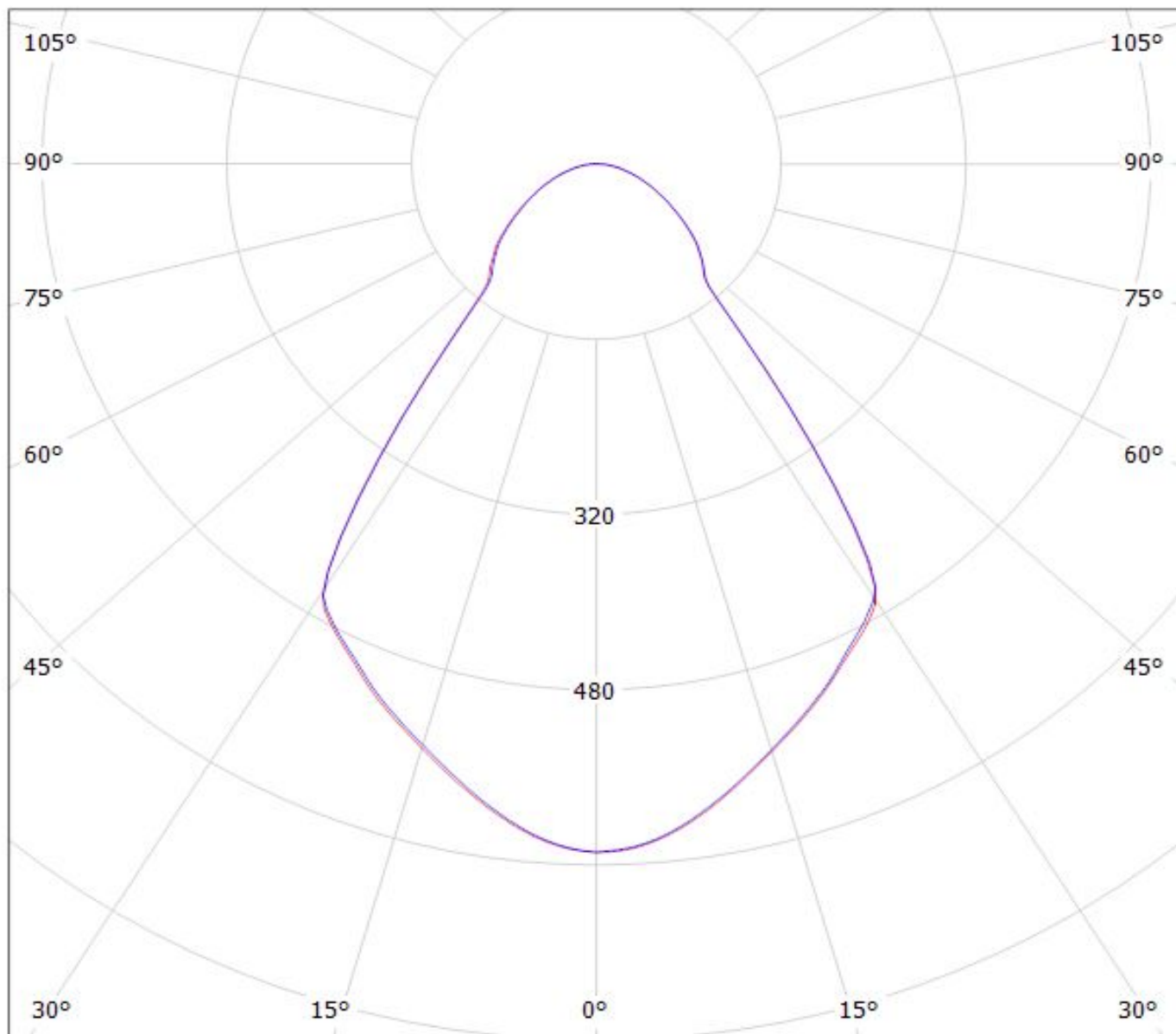
cd/klm

$\eta = 93\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLE_G4_LES23)

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



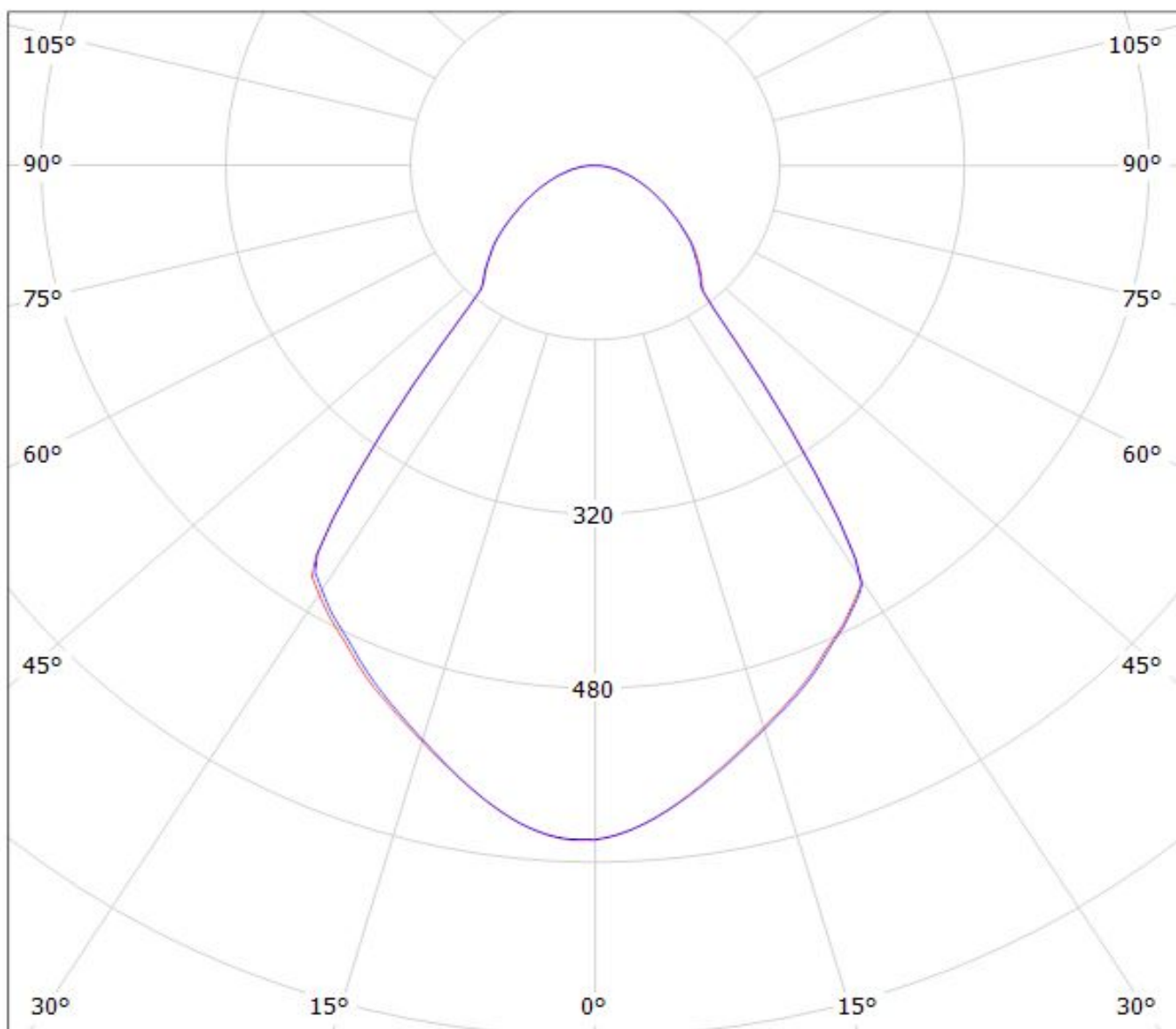
cd/klm

— C0 - C180

— C90 - C270

η = 93%

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



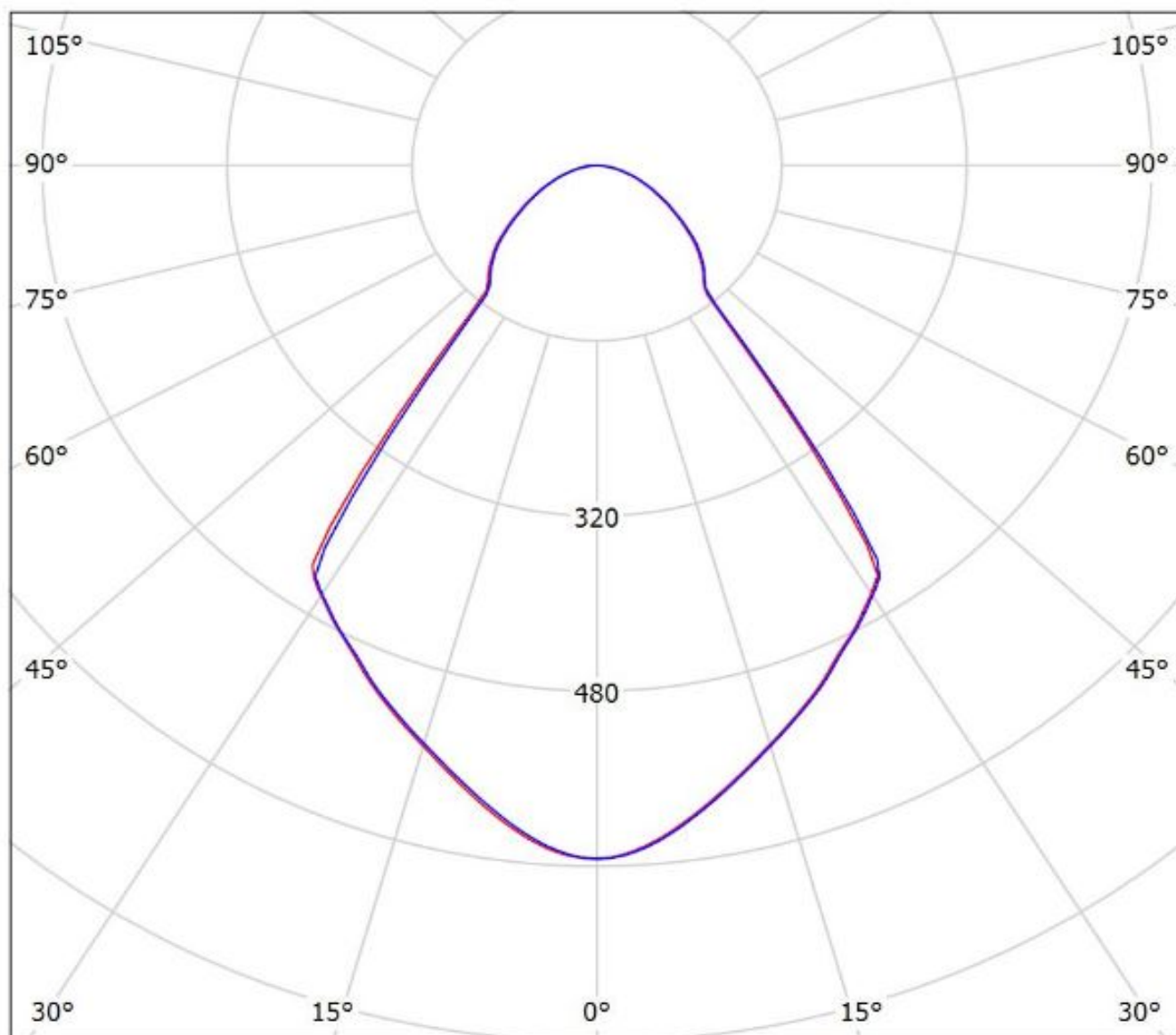
cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLE-G5_LES-15)

Lamps: 1 x Tridonic_SLE-G5_LES-15_1238lm@250mA_P=8.6575W_I=0.250A



cd/klm

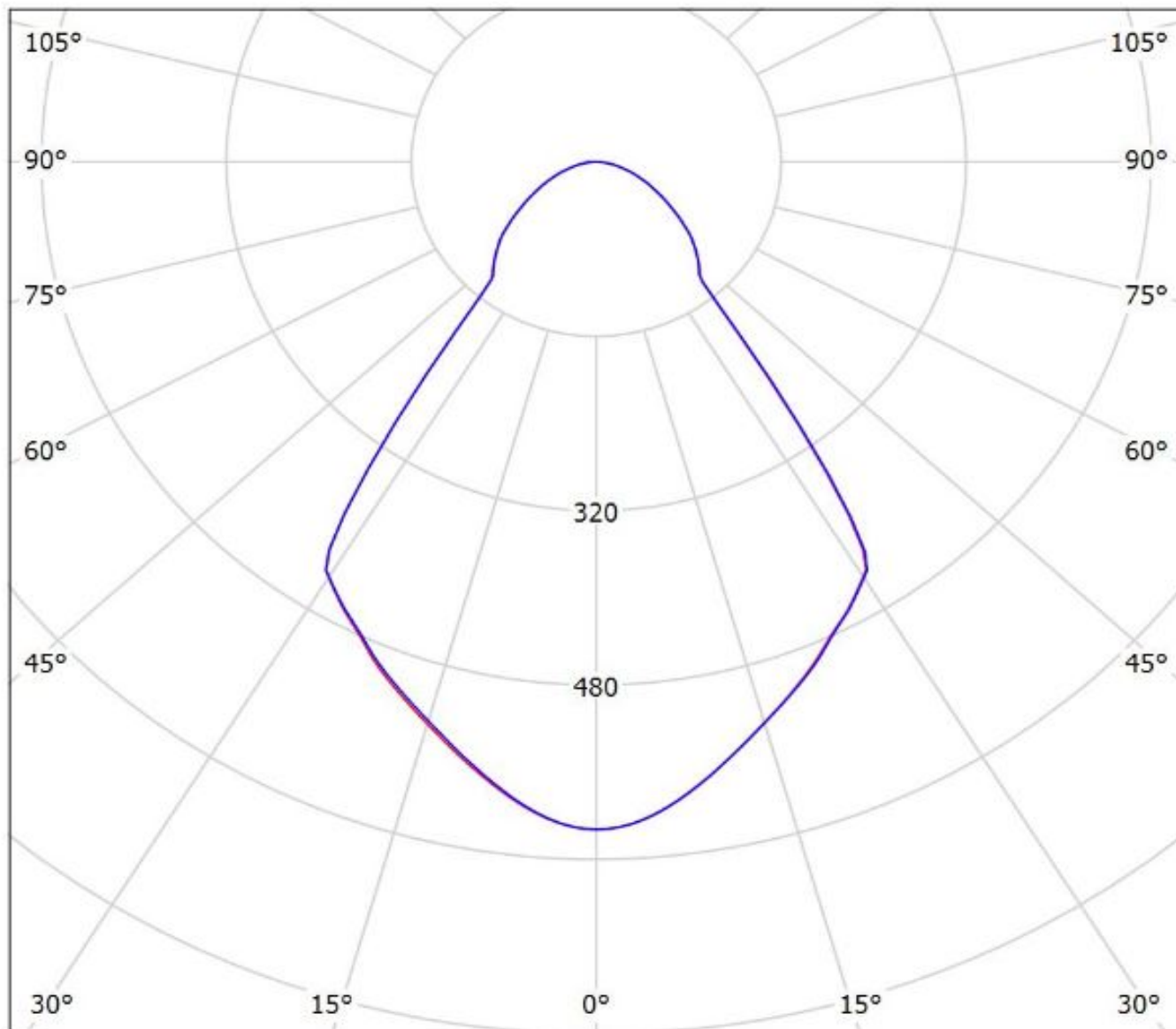
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLE-G5_LES-19)

Lamps: 1 x Tridonic_SLE-G5_LES-19_1334.47lm@250mA_P=8.2224W_I=0.250A

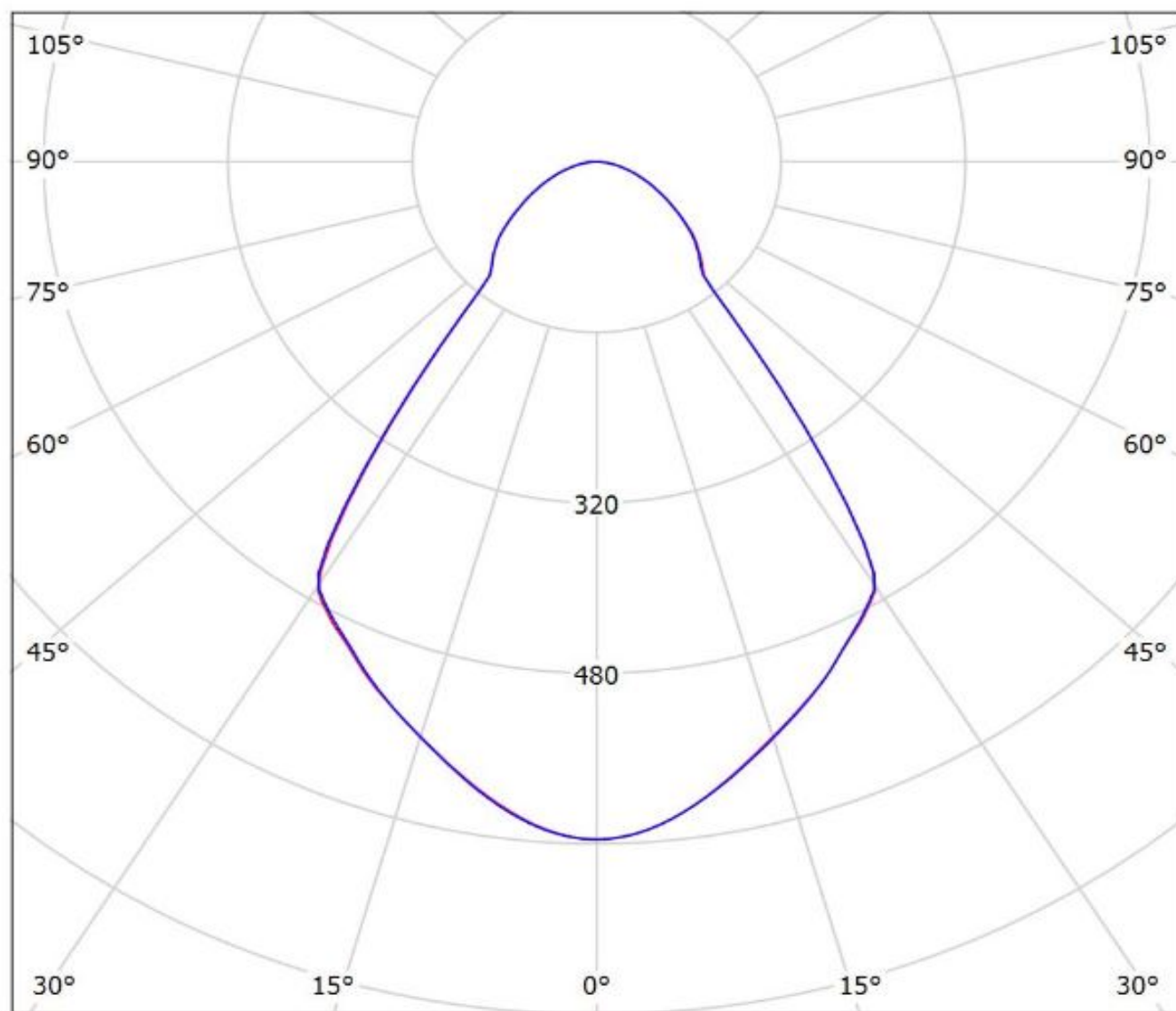


cd/klm

— C0 - C180 — C90 - C270

$\eta = 89\%$

Luminaire: LEDiL Oy F13840_ANGELA-XW_(SLE-G5_LES-23)
Lamps: 1 x Tridonic_SLE-G5_LES-23_1303.96lm@250mA_P=8.1062W_I=0.250A

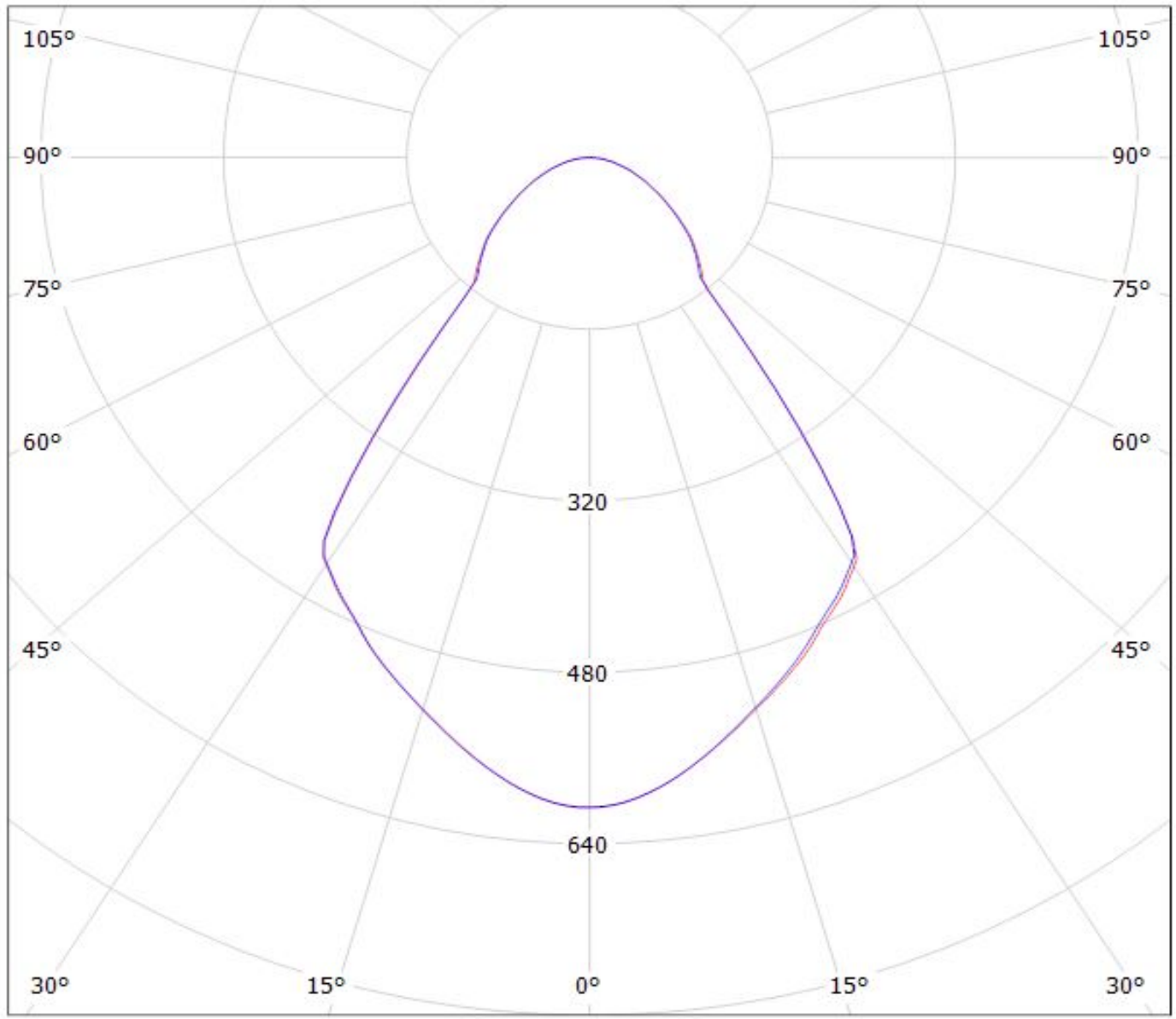


cd/klm
— C0 - C180 — C90 - C270

$\eta = 93\%$

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



cd/klm

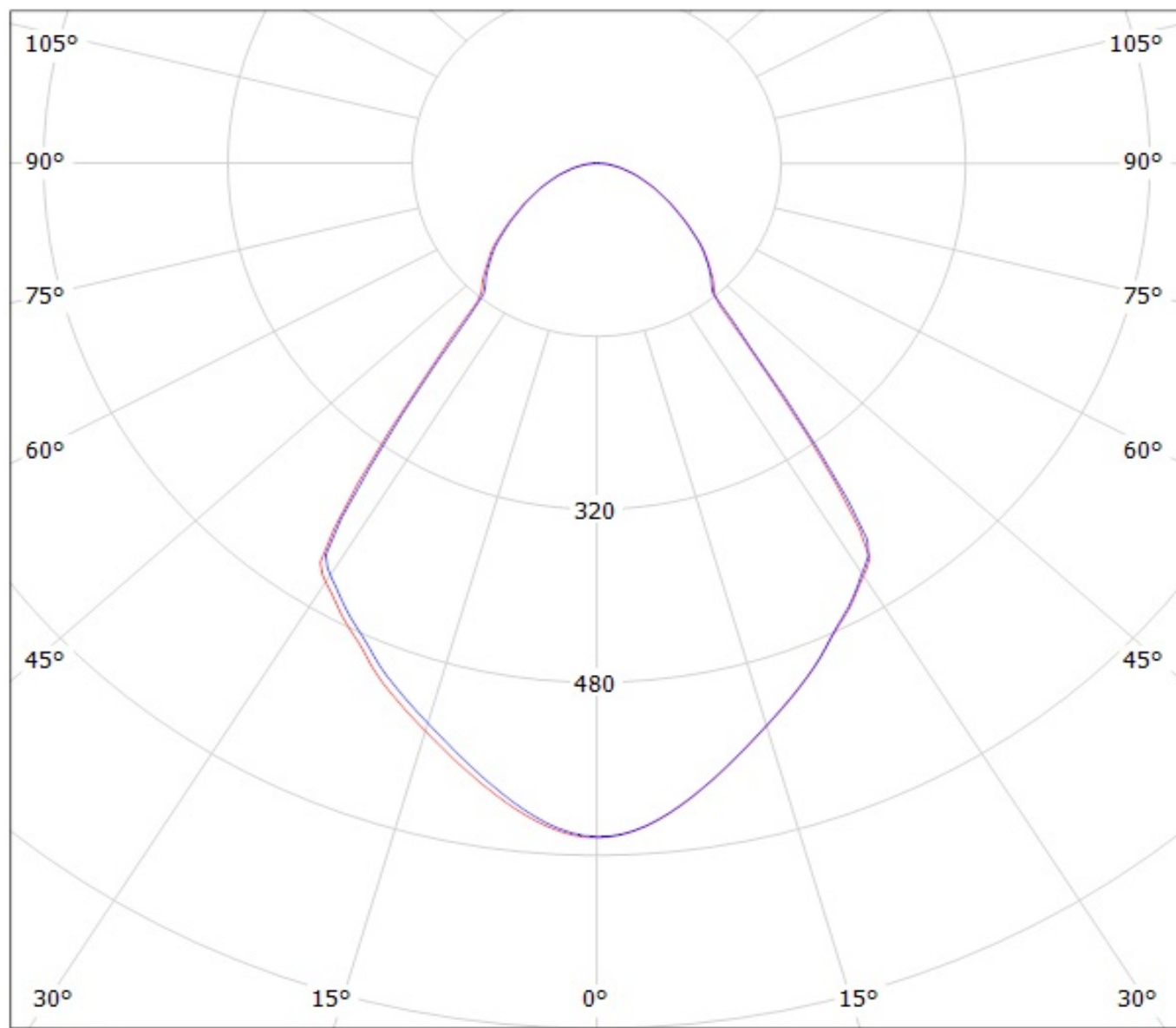
— C0 - C180

— C90 - C270

$\eta = 92\%$

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



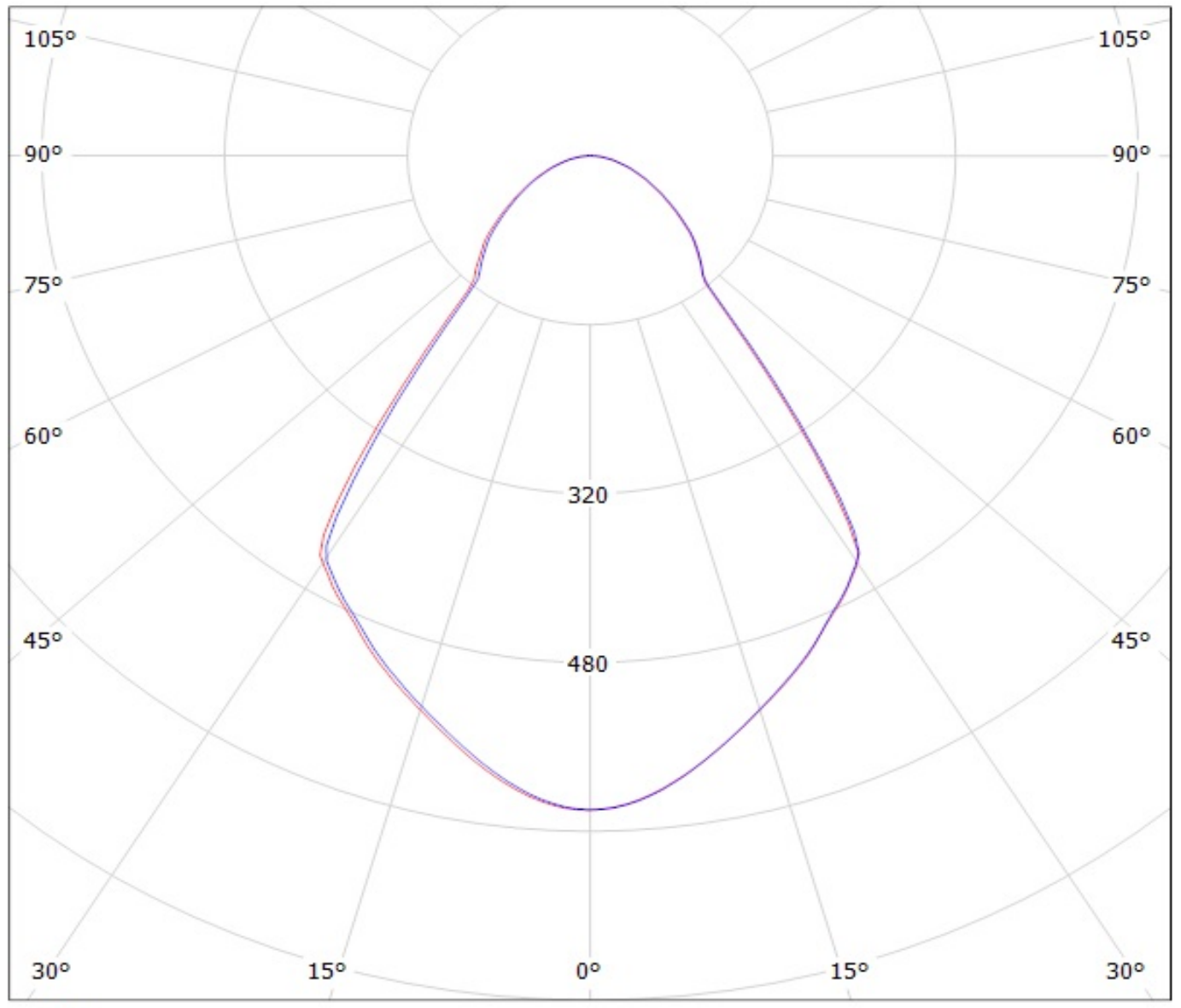
cd/klm

— 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

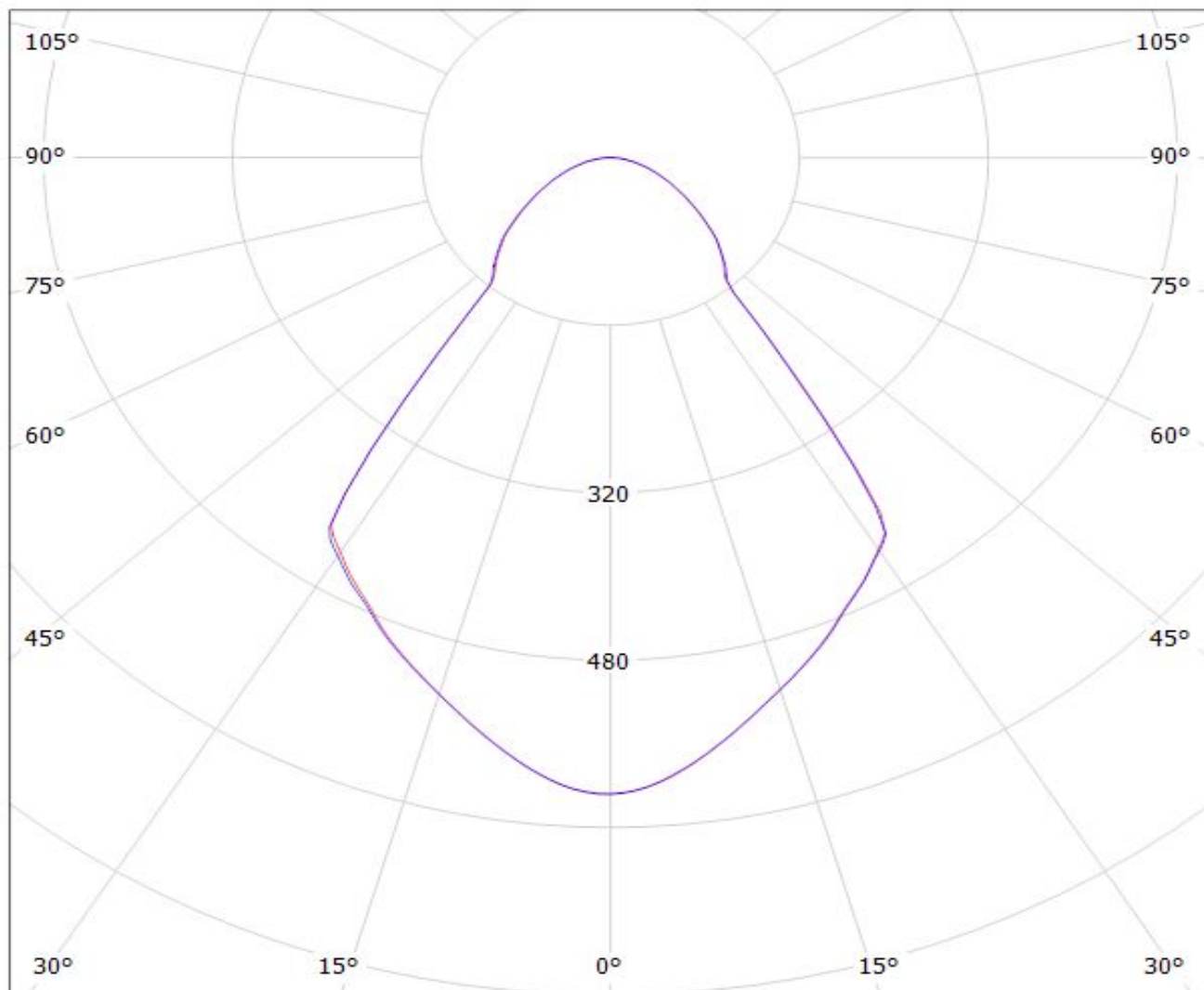


cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13840_ANGELA-XW

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



cd/klm

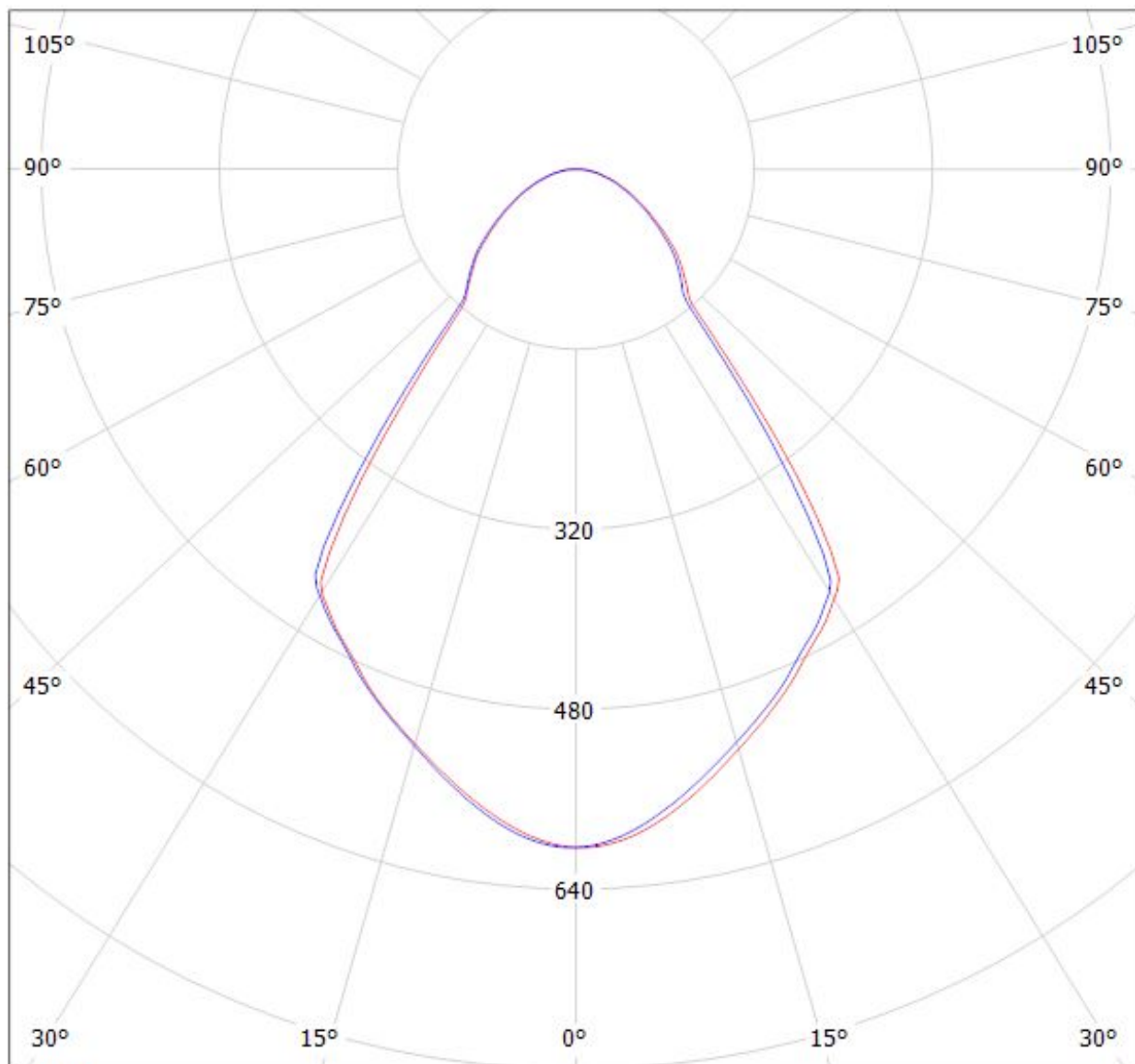
η = 92%

— C0 - C180

— C90 - C270

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



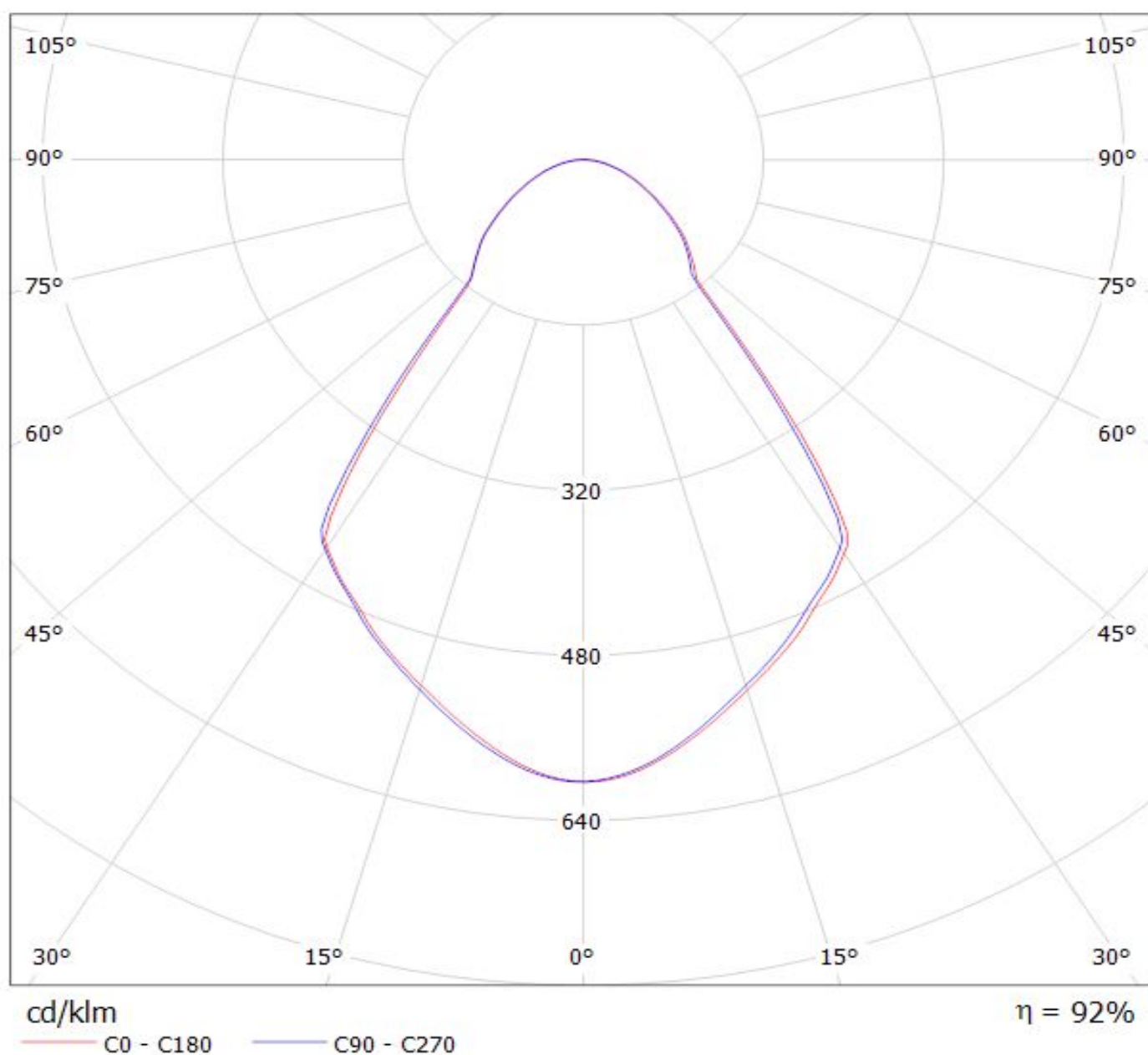
cd/klm

— C0 - C180

— C90 - C270

$\eta = 92\%$

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



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.