

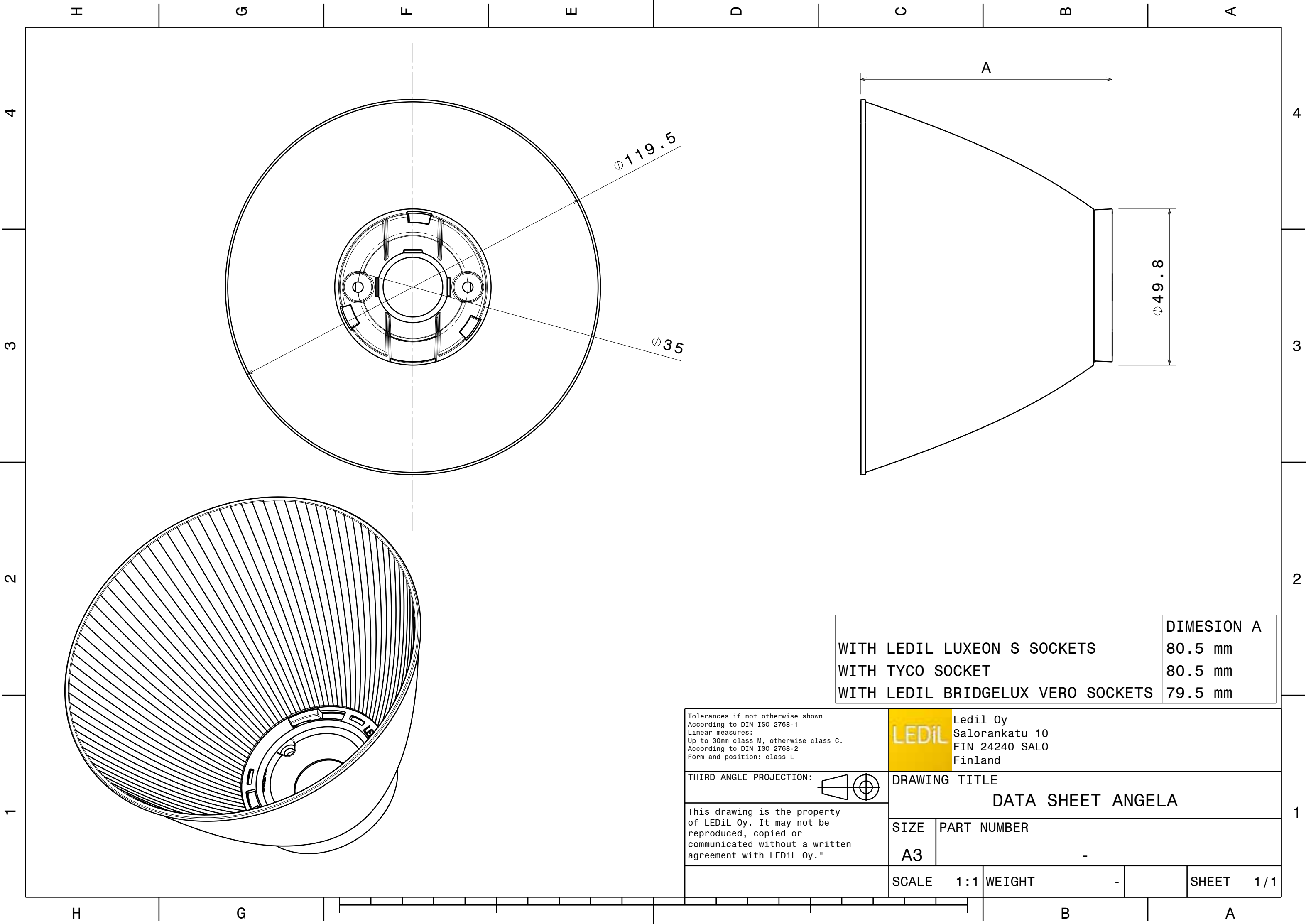
DETAILS

Product Number	FCN14690_ANGELA-XW
Family	ANGELA
Type	RefPack
Color	white
Diameter	119,5 mm
Height	mm
Style	round
Optic Material	
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	3/11/2016

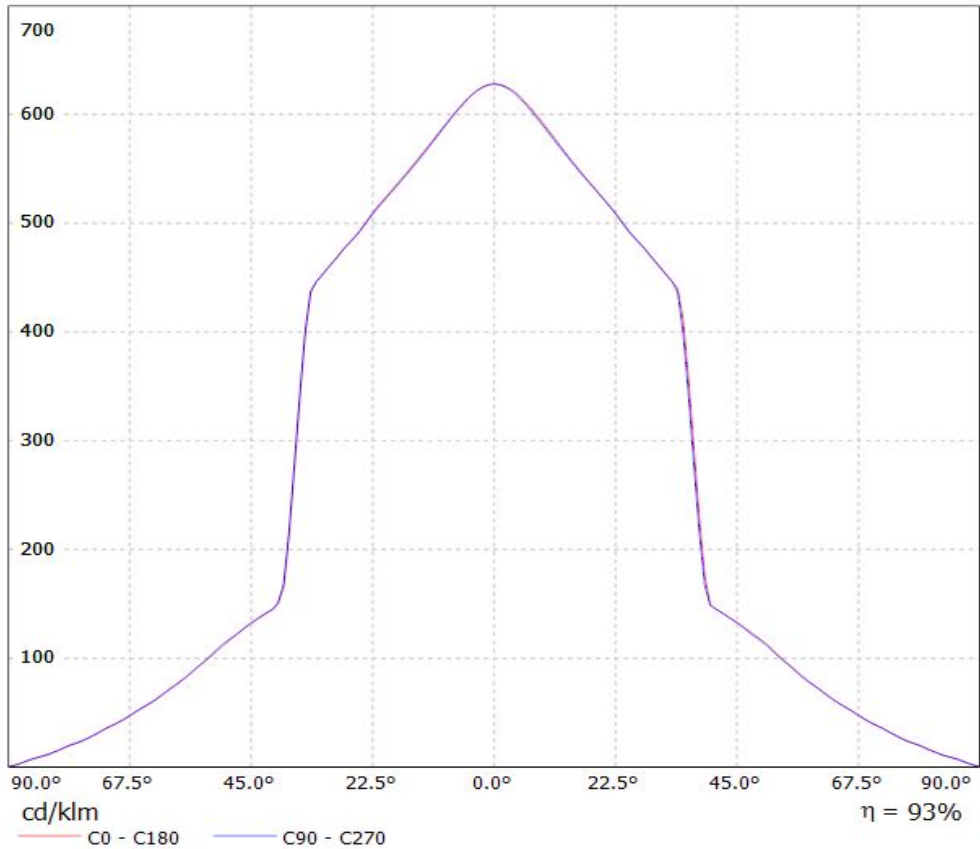


OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
VERO13	73 deg	Wide	93 %	0.630	-
VERO18	72 deg	Wide	93 %	0.630	-
V10 Gen7	sim: 72	Wide	sim: 86 %	sim: 0.580	Bender Wirth: 434 Typ L1
CLL03x/CLU03x	72 deg	Wide	93 %	0.630	Bender Wirth: 433 Typ L1
CLU700/701	73 deg	Wide	93 %	0.640	Bender Wirth: 434 Typ L1
CLL02x/CLU02x (LES10)	72 deg	Wide	93 %	0.640	Bender Wirth: 434 Typ L1
CLU720/721	72 deg	Wide	93 %	0.640	Bender Wirth: 433 Typ L1
CXA/B 1816 & CXA/B 1820 & CXA 1850	72 deg	Wide	92 %	0.630	Bender Wirth: 437 Typ L1
CXA/B 15xx	73 deg	Wide	93 %	0.630	Bender Wirth: 441 Typ L1
LUXEON CoB 1202/1203	73 deg	Wide	93 %	0.600	Bender Wirth: 438 Typ L1
CXM-14	sim: 72	Wide	sim: 93 %	sim: 0.630	Bender Wirth: 433 Typ L1
CXM-9	sim: 72	Wide	sim: 93 %	sim: 0.640	Bender Wirth: 434 Typ L1
COB L-Type (LES 9)	73 deg	Wide	94 %	0.620	Bender Wirth: 438 Typ L1
COB J-Type	72 deg	Wide	93 %	0.630	Bender Wirth: 463 Typ L2
COB L-Type (LES 11)	73 deg	Wide	93 %	0.630	Bender Wirth: 438 Typ L1
Solieriq P9	73 deg	Wide	94 %	0.610	Bender Wirth: 461 Typ L1
Solieriq P13	72 deg	Wide	94 %	0.620	Bender Wirth: 437 Typ L1
Solieriq S13	72 deg	Wide	93 %	0.640	Bender Wirth: 437 Typ L1
LC026B/LC040B	72 deg	Wide	92 %	0.630	Bender Wirth: 450 Typ L2
ZC12/18	sim: 72	Wide	sim: 93 %	sim: 0.630	Bender Wirth: 433 Typ L1
ZC4/6	sim: 72	Wide	sim: 93 %	sim: 0.640	Bender Wirth: 434 Typ L1
SLE G5 LES11	73 deg	Wide	92 %	0.630	Bender Wirth: 434 Typ L1

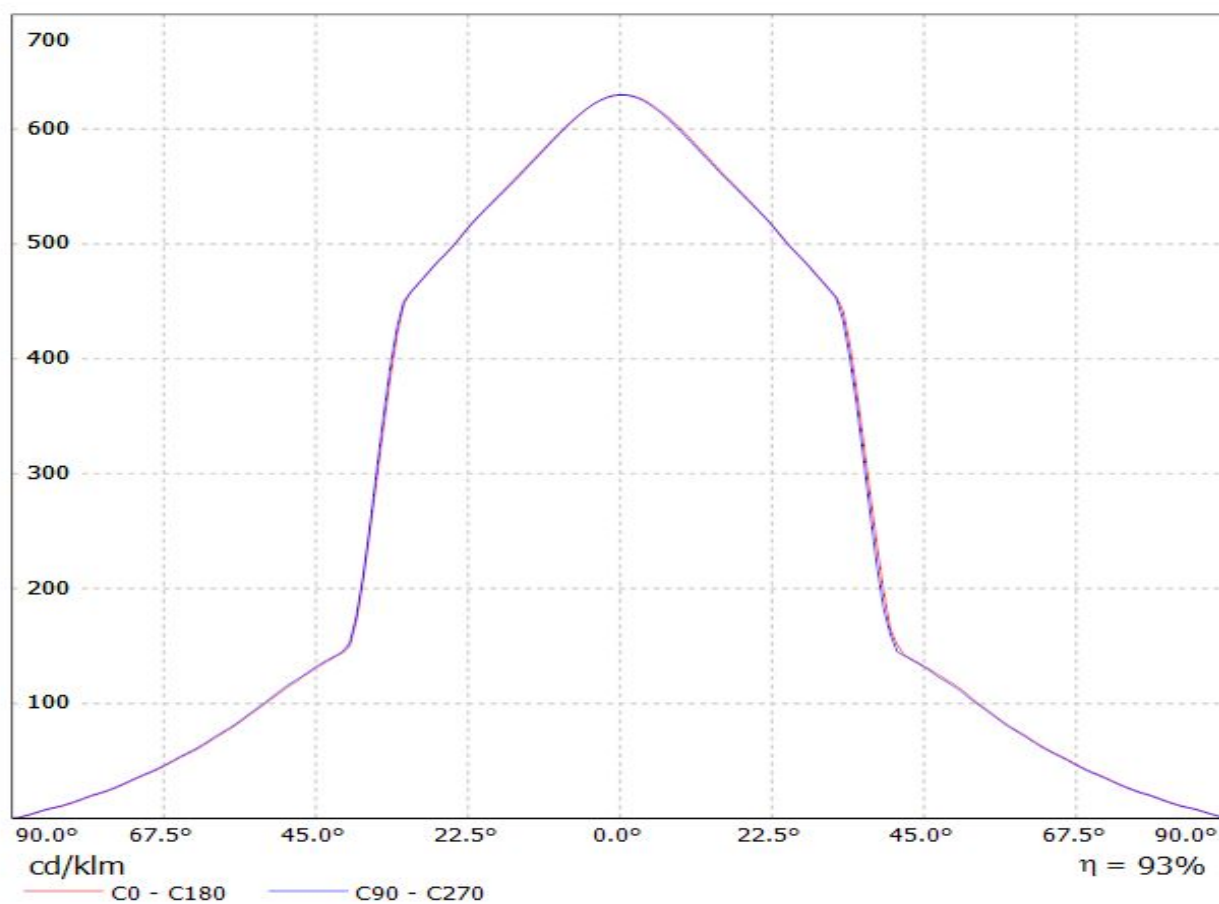


Luminaire: LEDiL Oy FCN14690_ANGELA-XW_(VERO13)
Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000-C-Z3)_+C13658_CLAMP-VERO13-18_956.274lm@250mA_CCT=3000K_P=7.59867W_I=0.25A

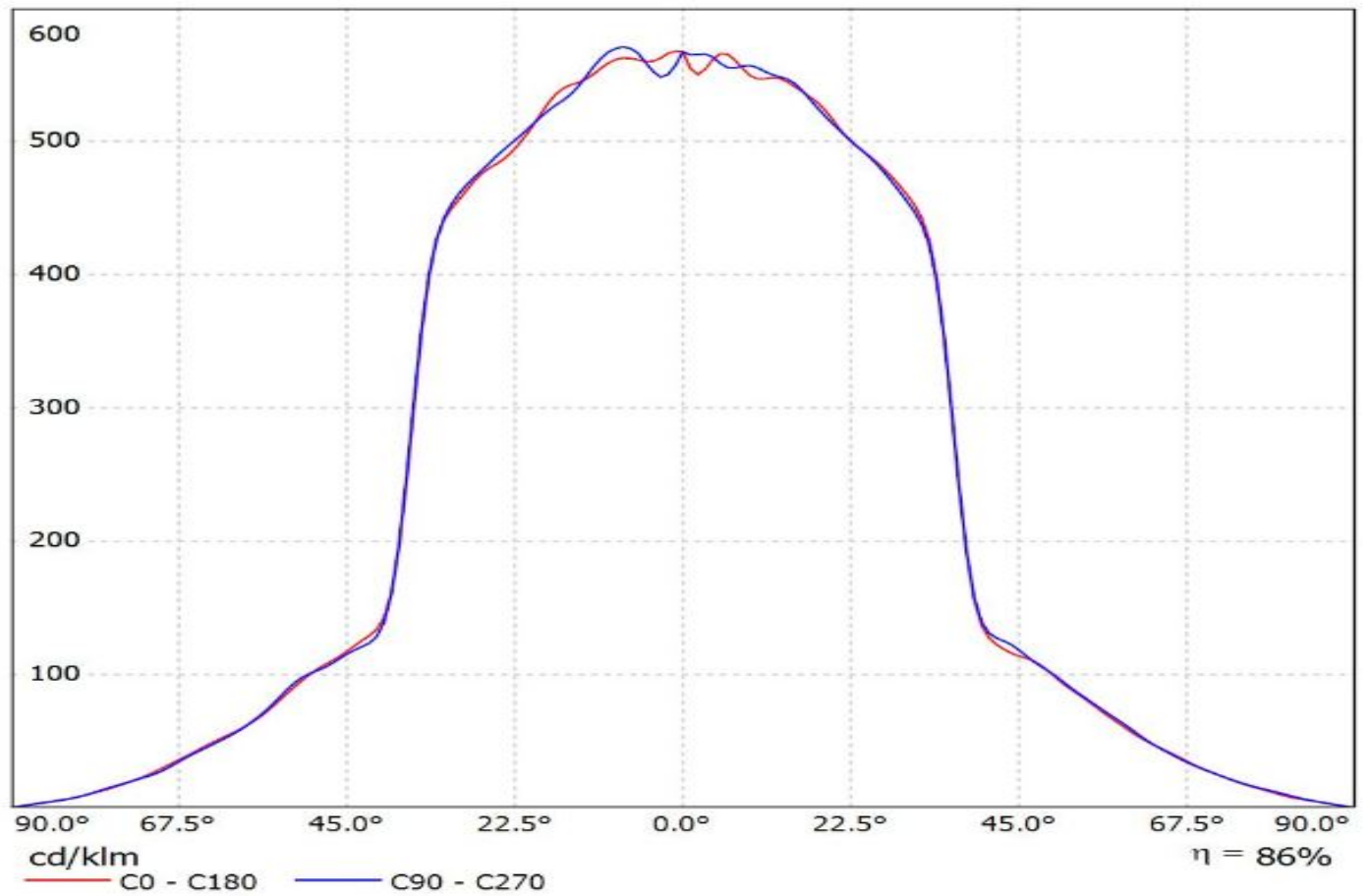


Luminaire: Ledil FCN14690_ANGELA-XW_(VERO18)

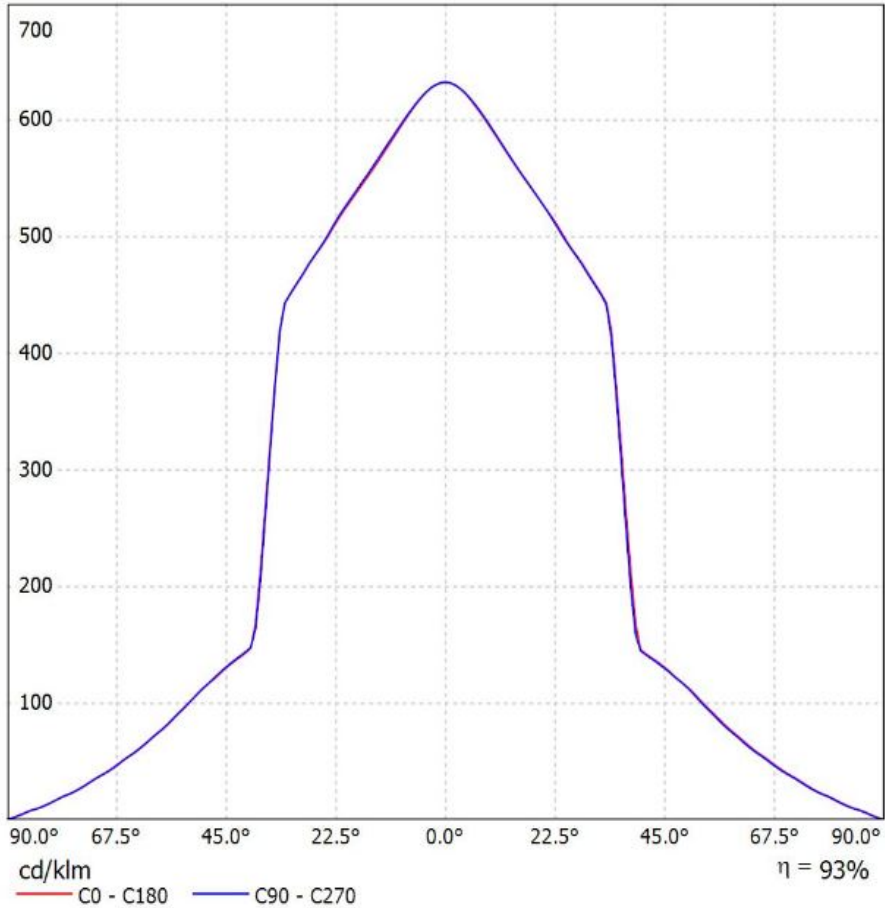
Lamps: 1 x Bridgelux_VERO18_(BXRE-30E4000-F-23)_1035.16lm@250mA_CCT=3000K_P=6.80625W_I=0.25A



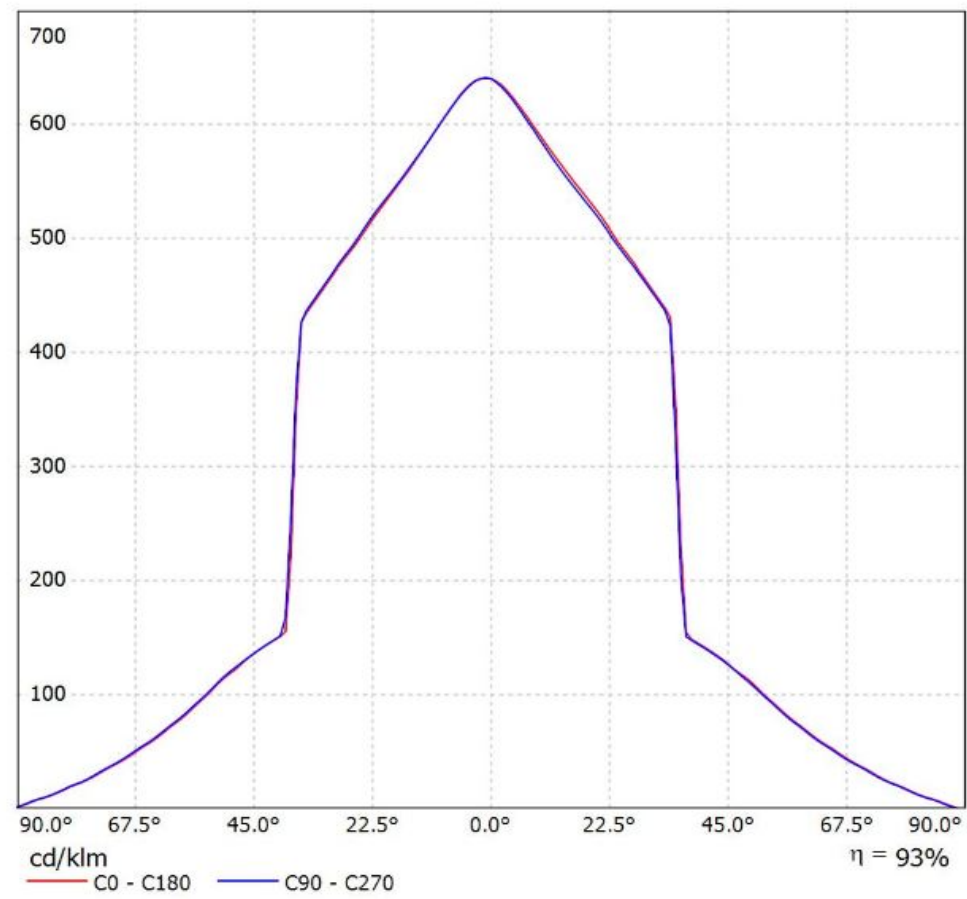
Luminaire: Ledil Oy FCN14690_ANGELA-XW+_B+W_434_TypL1_BRIDGELUX_V10_Gen7_SIMULATED
Lamps: 1 x BRIDGELUX V10 Gen7



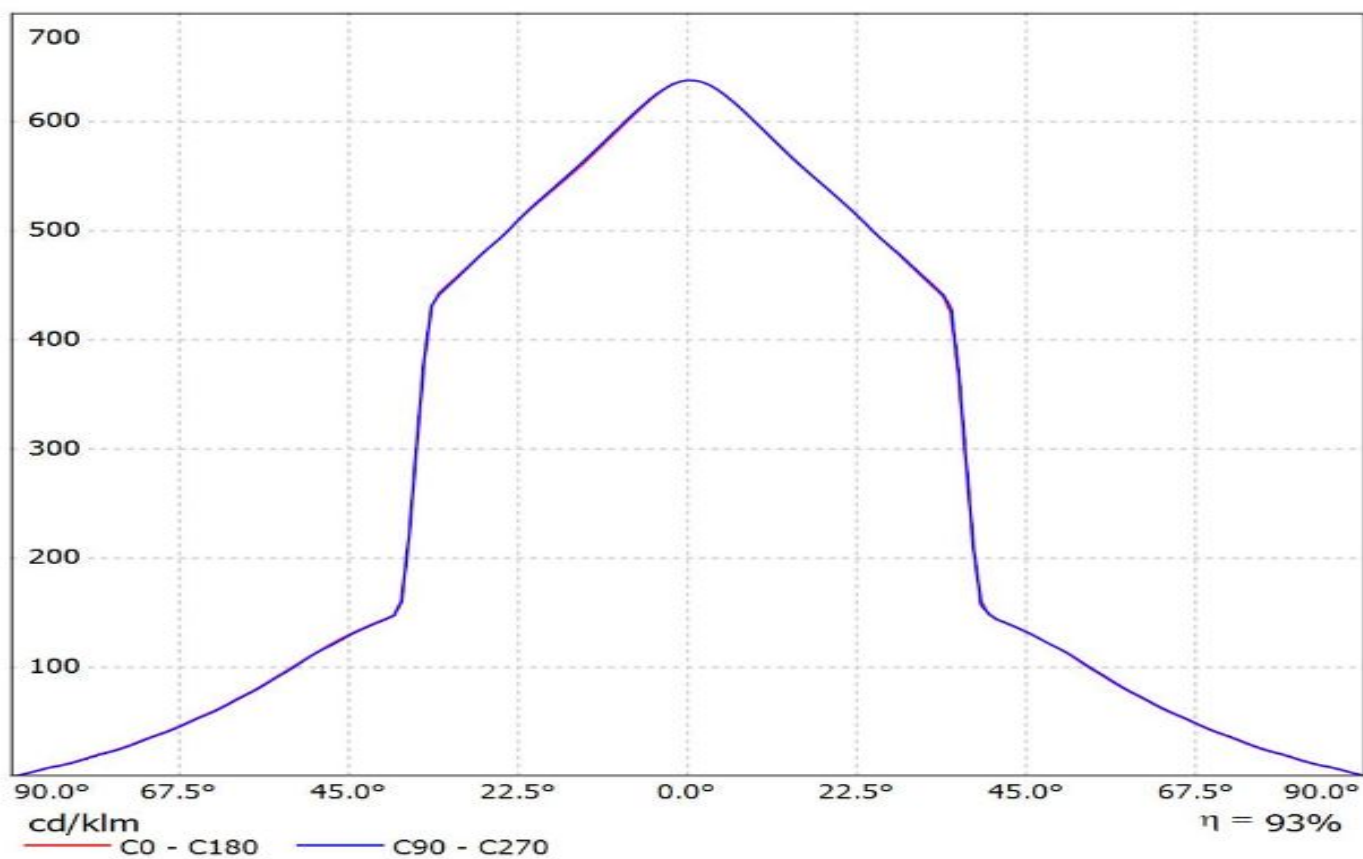
Luminaire: Ledil FCN14690_ANGELA-XW_(CLU034)_(433_Typ_L1)_(C13658) Citizen_CLU034_(CLU034-1205B8-303M1A2)_1180.79lm@250mA_P=8.50075W_I=0.25A
Lamps: 1 x Citizen_CLU034_(433_Typ_L1)_(C13658)_1173.16lm@250mA_P=8.475W_I=0.25A



Luminaire: Ledil FCN14690_ANGELA-XW_(CLU700)_ (434_Typ_L1) Citizen_CLU700_(CLU700-1002B8-273M2G1)_390.128lm@100mA_P=3W_I=0.10A
Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_388.036lm@100mA_P=3W_I=0.10A

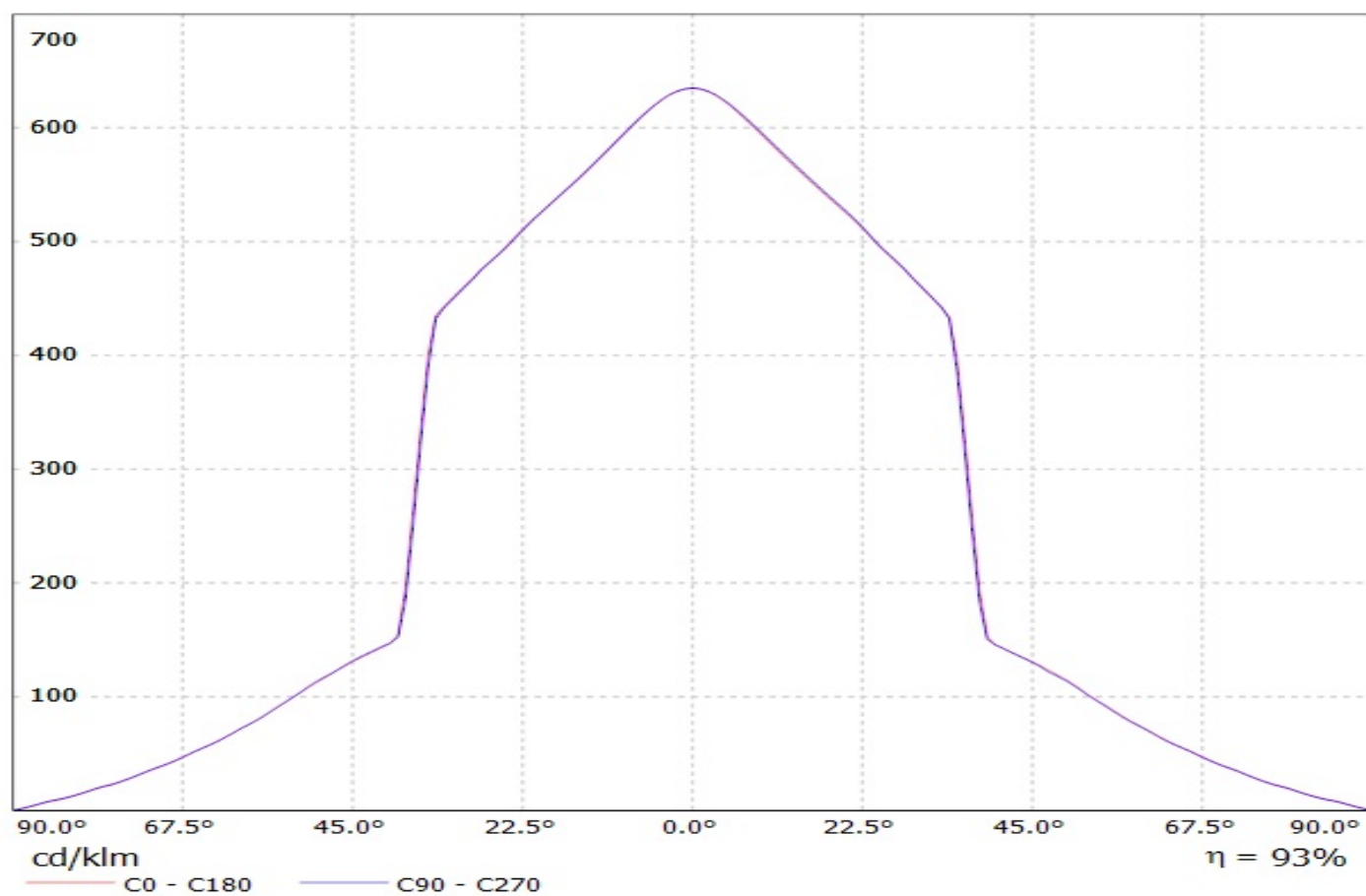


Luminaire: Ledil FCN14690_ANGELA-XW_(CLU024)_(433_Typ_L1) Citizen_CLU024_(433_Typ_L1)_
(C13658_CLAMP-VERO13-18)_1071.07lm@250mA_P=8.43W_I=0.25A
Lamps: 1 x Citizen_CLU024_(433_Typ_L1)_(C13658_CLAMP-VERO13-18)
_1071.07lm@250mA_P=8.43W_I=0.25A



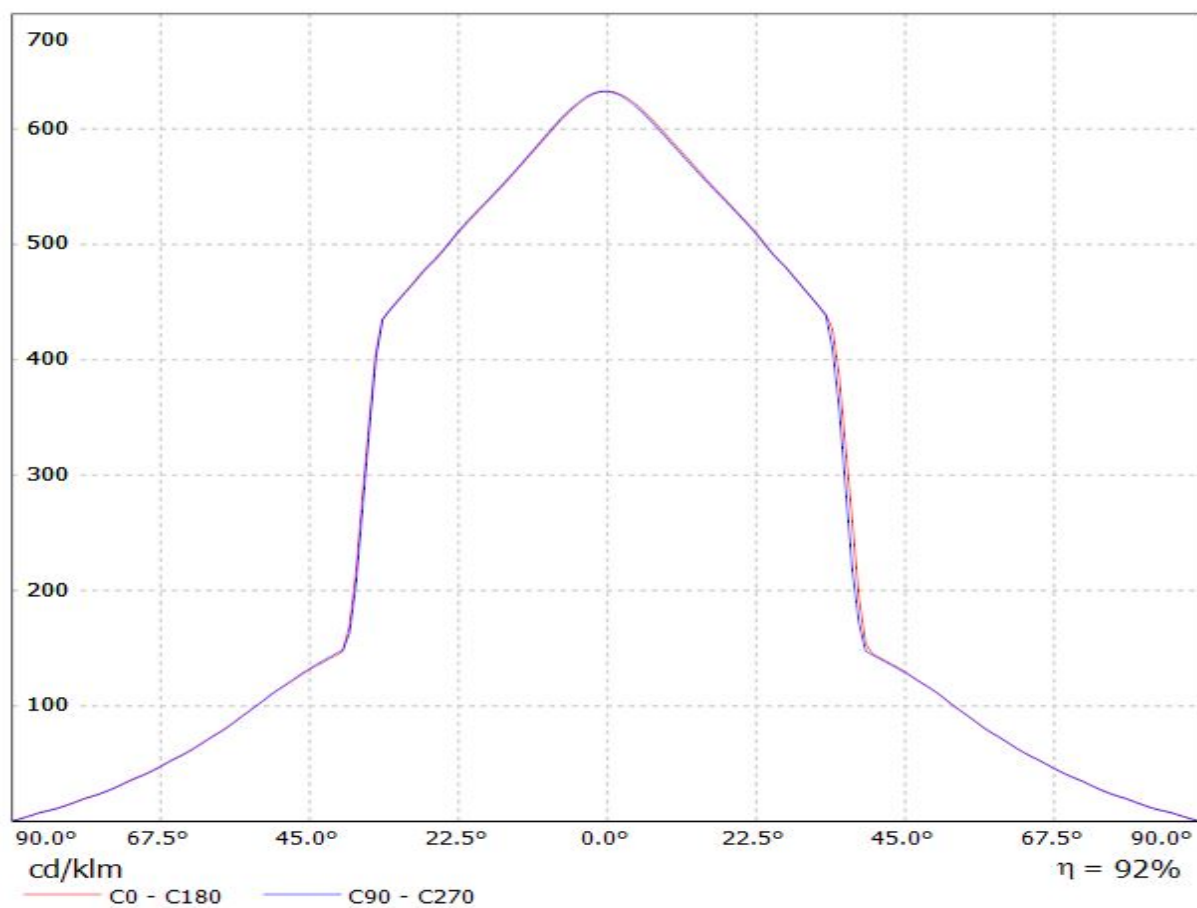
Luminaire: Ledil FCN14690_ANGELA-XW_(CLU720)_(433_Typ_L1)

Lamps: 1 x Citizen_CLU720_(CLU720-1206B8-273M2G1)_1225.89lm@250mA_P=8.3W_I=0.25A

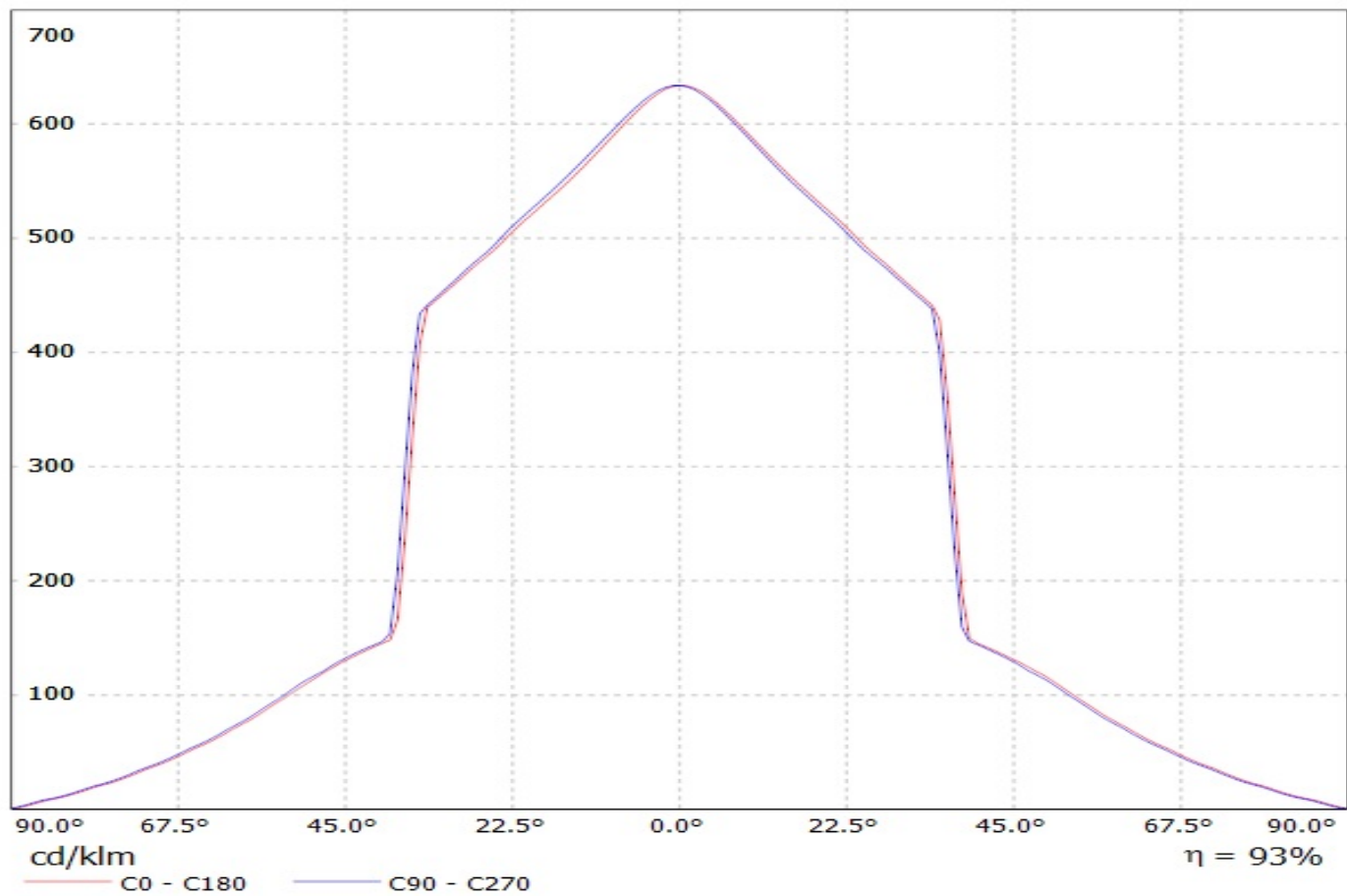


Luminaire: Ledil FCN14690_ANGELA-XW_(CXA1850)

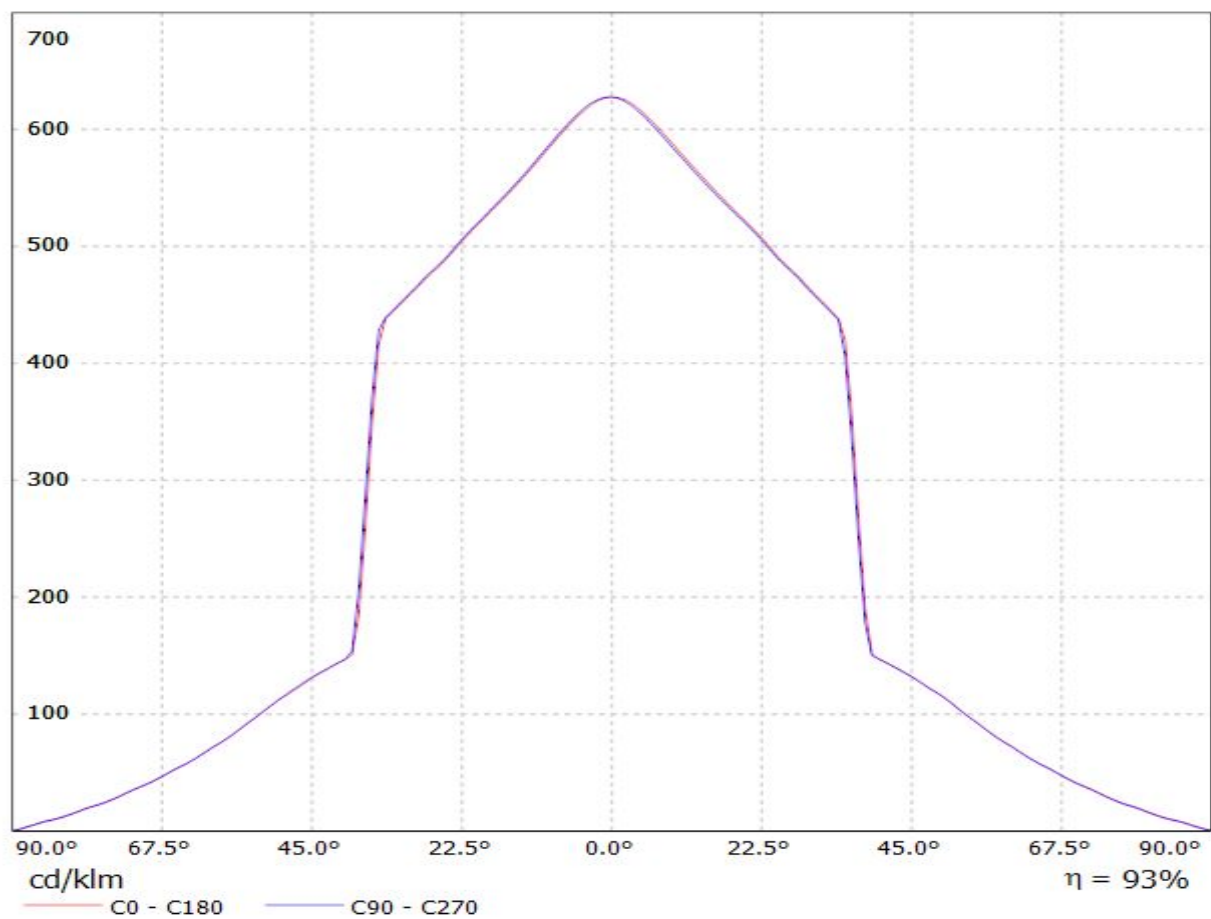
Lamps: 1 x CREE_CXA1850_(CXA1850-30F-T4-N0Y-00001)_831.914lm@250mA_CCT=3000K_P=8.27W_I=0.25A



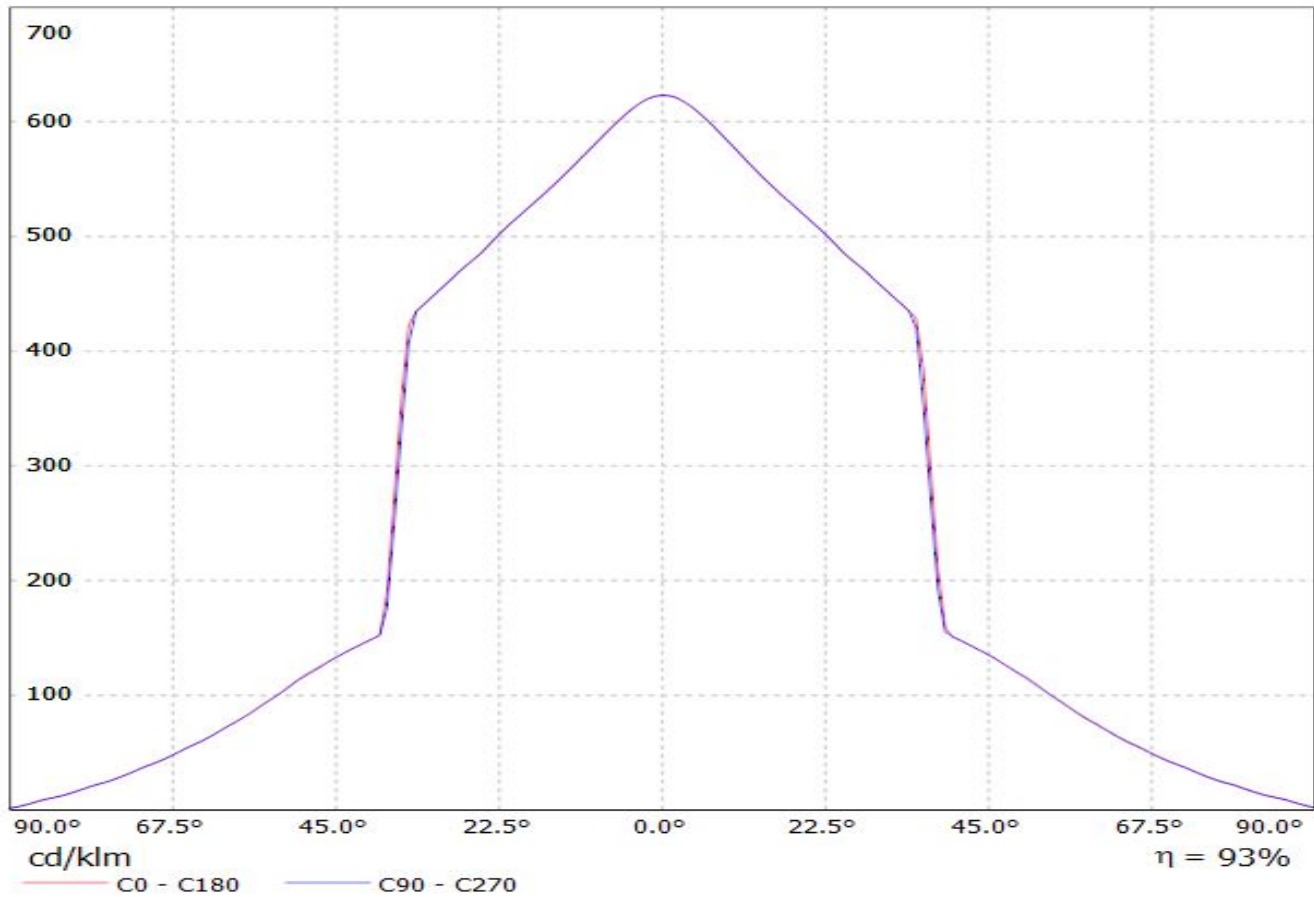
Luminaire: LEDiL Oy FCN14690_ANGELA-XW_(CXA1520)_(441_Typ_L1)
Lamps: 1 x Cree_CXA1520_(CXA1520-30F-N4-N0H-00001)_993.209lm@250mA_P=8.74575W_I=0.2499A



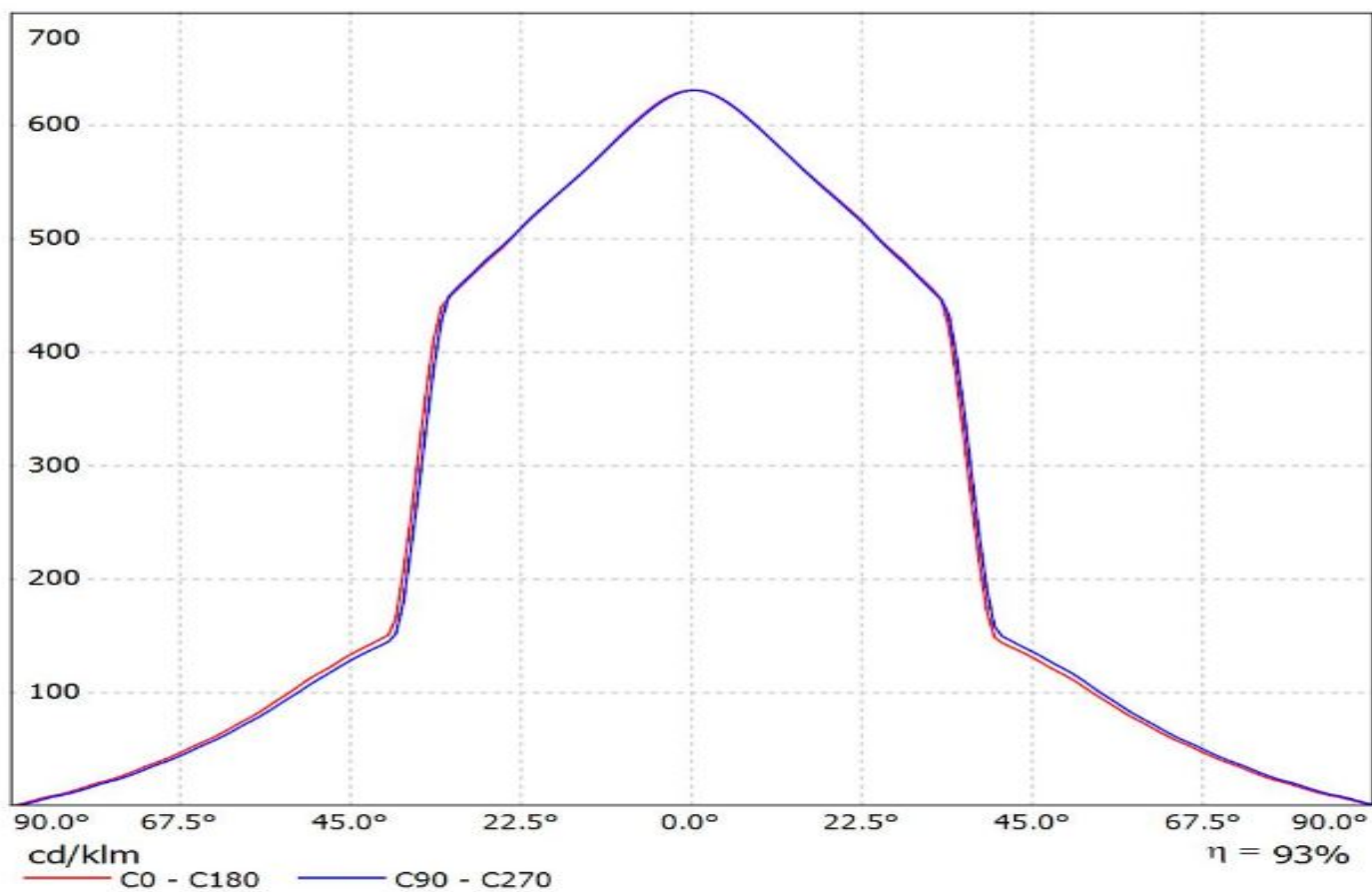
Luminaire: LEDiL Oy FCN14690_ANGELA-XW_(LUXEON_CoB_1203)_ (438_Typ_L1)_ (C13658_CLAMP-VERO13-18)
Lamps: 1 x LUXEON_CoB_1203_(438_Typ_L1)_ (C13658_CLAMP-VERO13-18)_984.561lm@250mA_P=8.6828W_I=0.25A



Luminaire: LEDiL Oy FCN14690_ANGELA-XW_(NFCLL036B)
Lamps: 1 x Nichia NFCLL036B (sm403J1300R8000)_541.131lm@100mA_CCT=4000K_P=3.34324W_I=0.100A

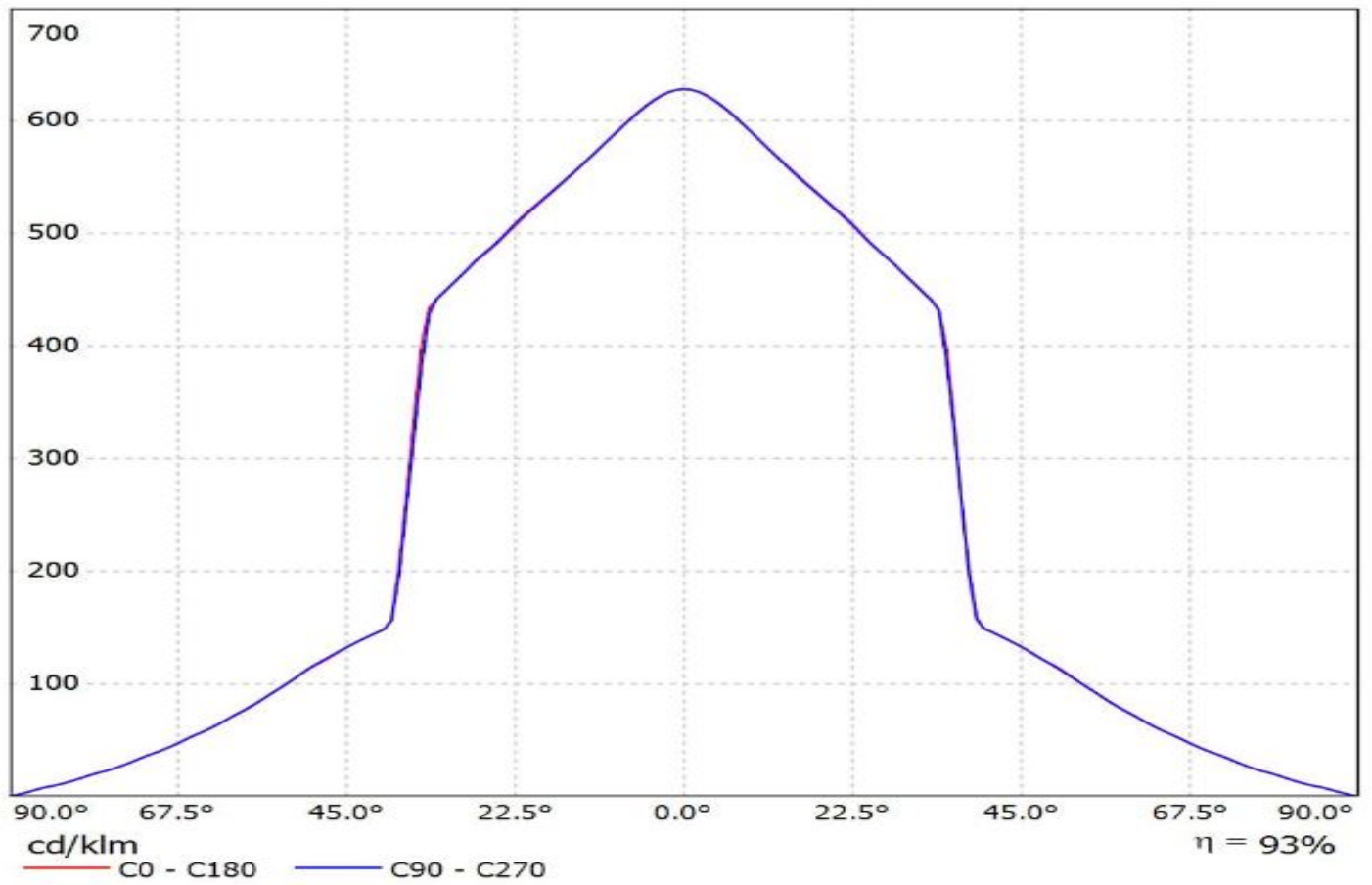


Luminaire: Ledil FCN14690_ANGELA-XW_(NFDxJ130B)
Lamps: 1 x Nichia_NFDxJ130B_(463 Typ L2)_C13658_CLAMP-
VERO13_1504.8lm@250mA_P=8.27W_I=0.25A



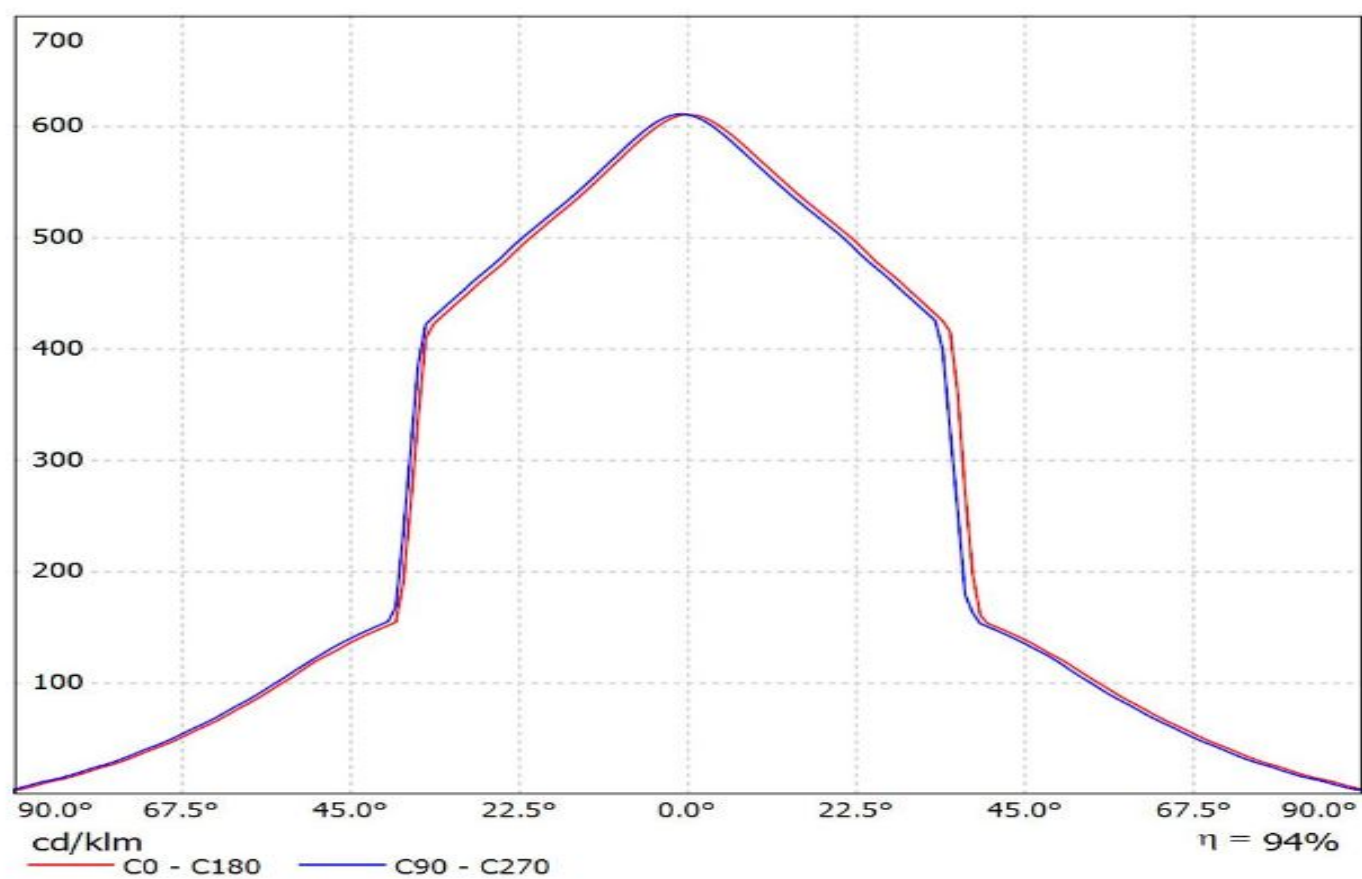
Luminaire: Ledil FCN14690_ANGELA-XW_(NFCLL060B)

Lamps: 1 x Nichia_NFCLL060B_(438_TYP_L1)_C13658_1356.65lm@250mA_P=8.375W_I=0.25A

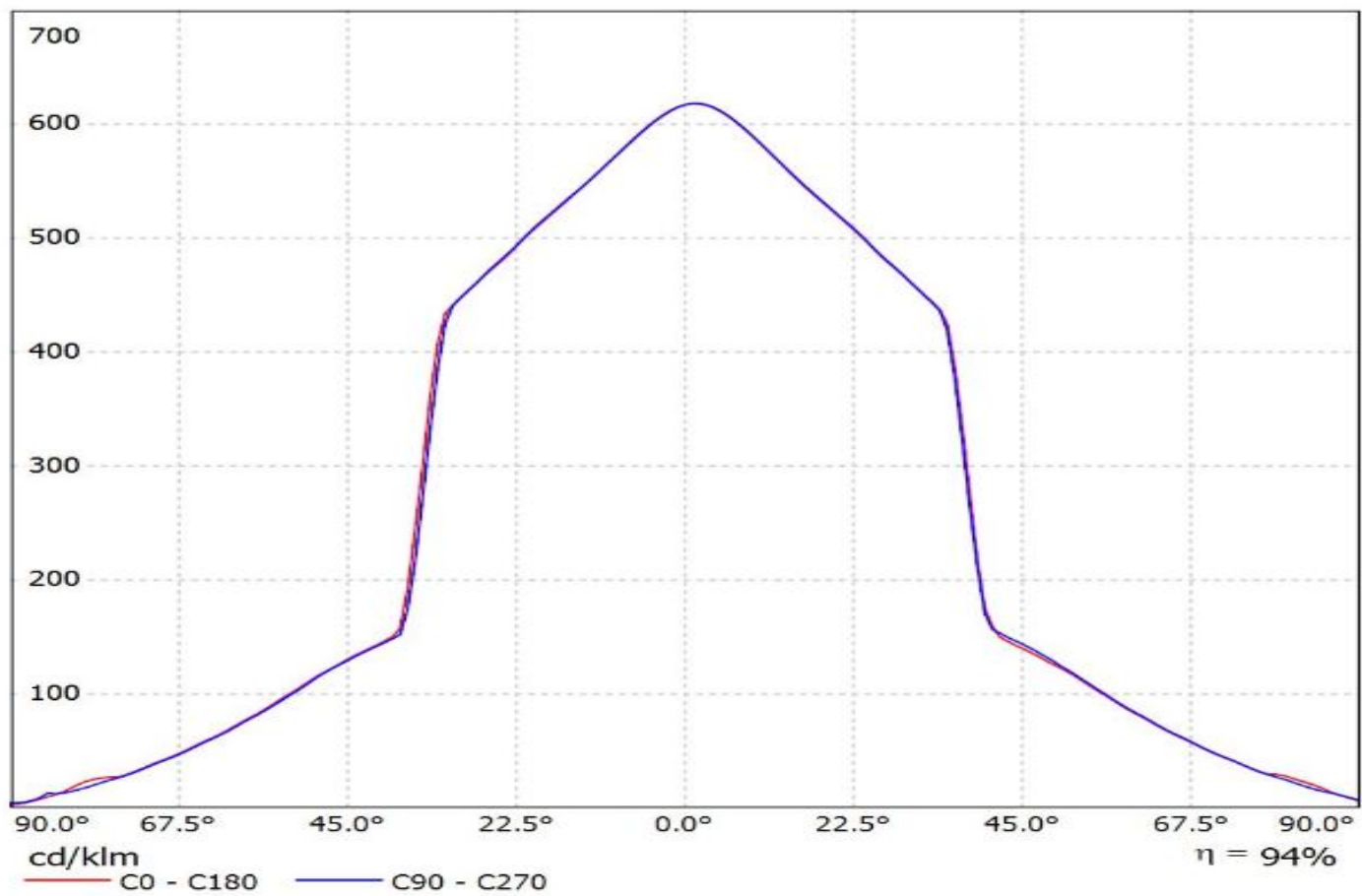


Luminaire: Ledil FCN14690_ANGELA-XW_(Soleriq_P9)

Lamps: 1 x Osram_Soleriq_P9_(GW_MAFJB1.EM)_972.417lm@250mA_CCT=4299K_P=6.9W_I=0.25A



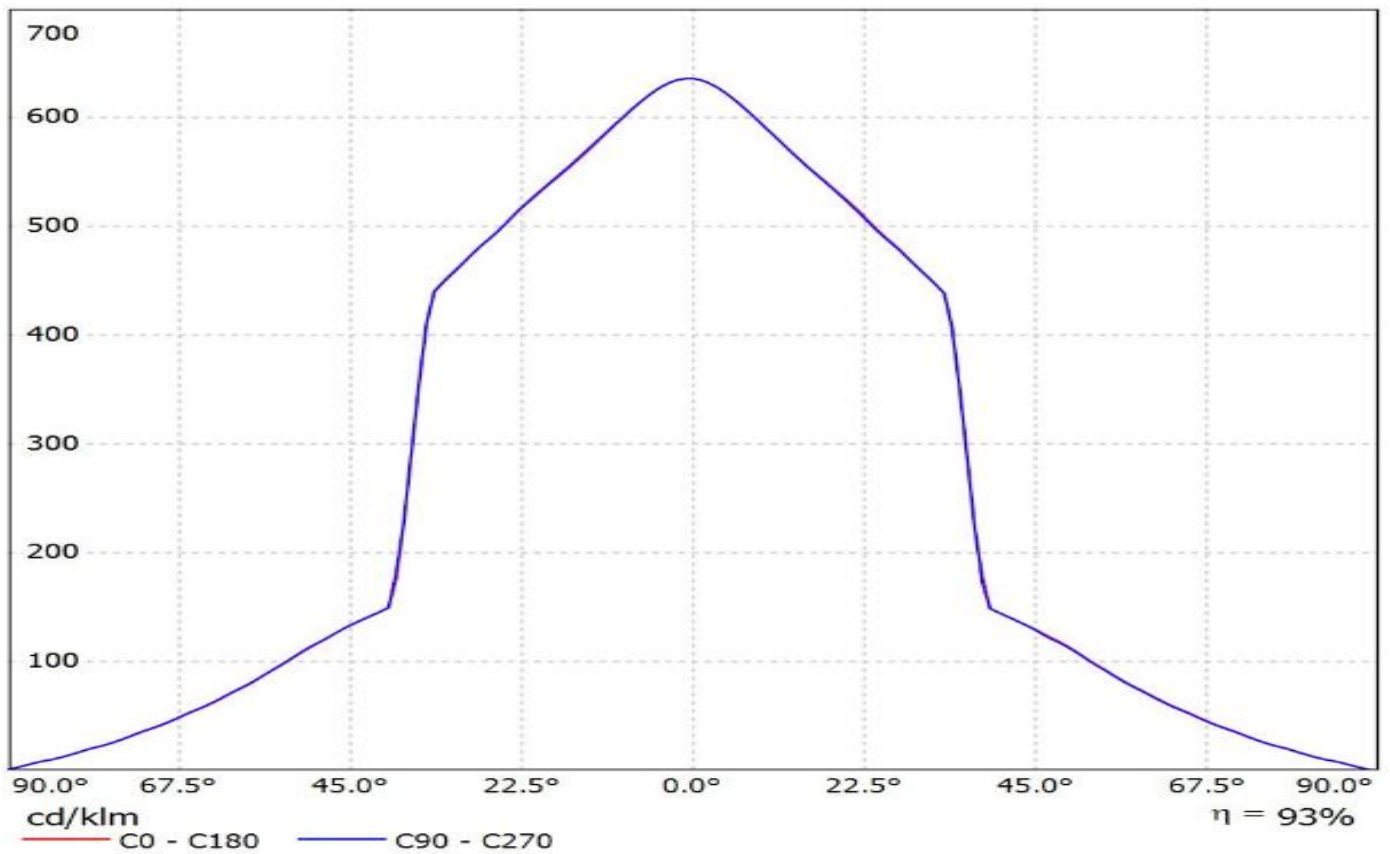
Luminaire: Ledil FCN14690_ANGELA-XW_(Soleriq_P13)
Lamps: 1 x Osman_Soleriq_P13_1009.11lm@250mA_P=6.9385W_I=0.25A



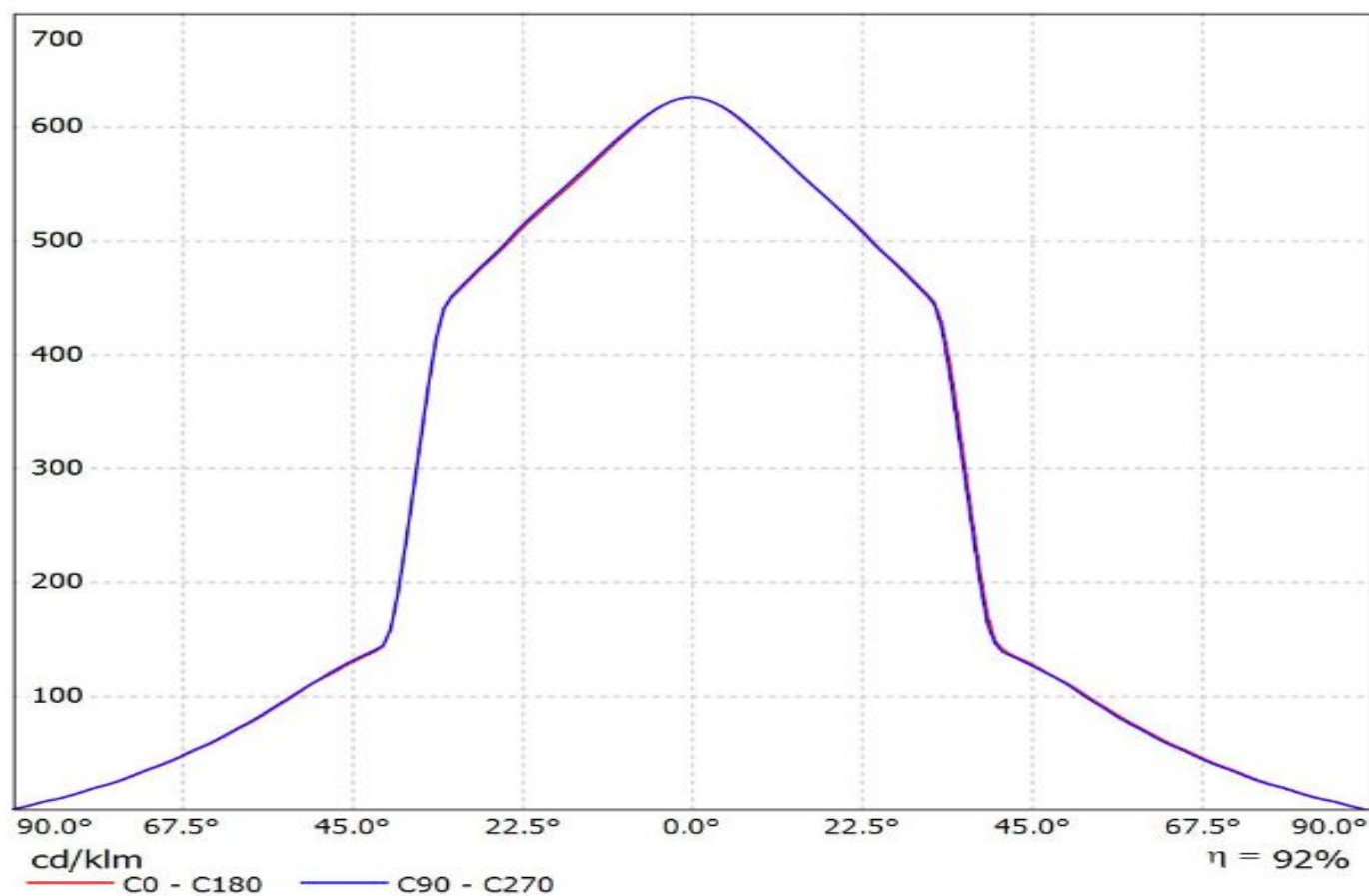
Ledil FCN14690_ANGELA-XW_(Soleriq_S13) / LDC (Linear)

Luminaire: Ledil FCN14690_ANGELA-XW_(Soleriq_S13)

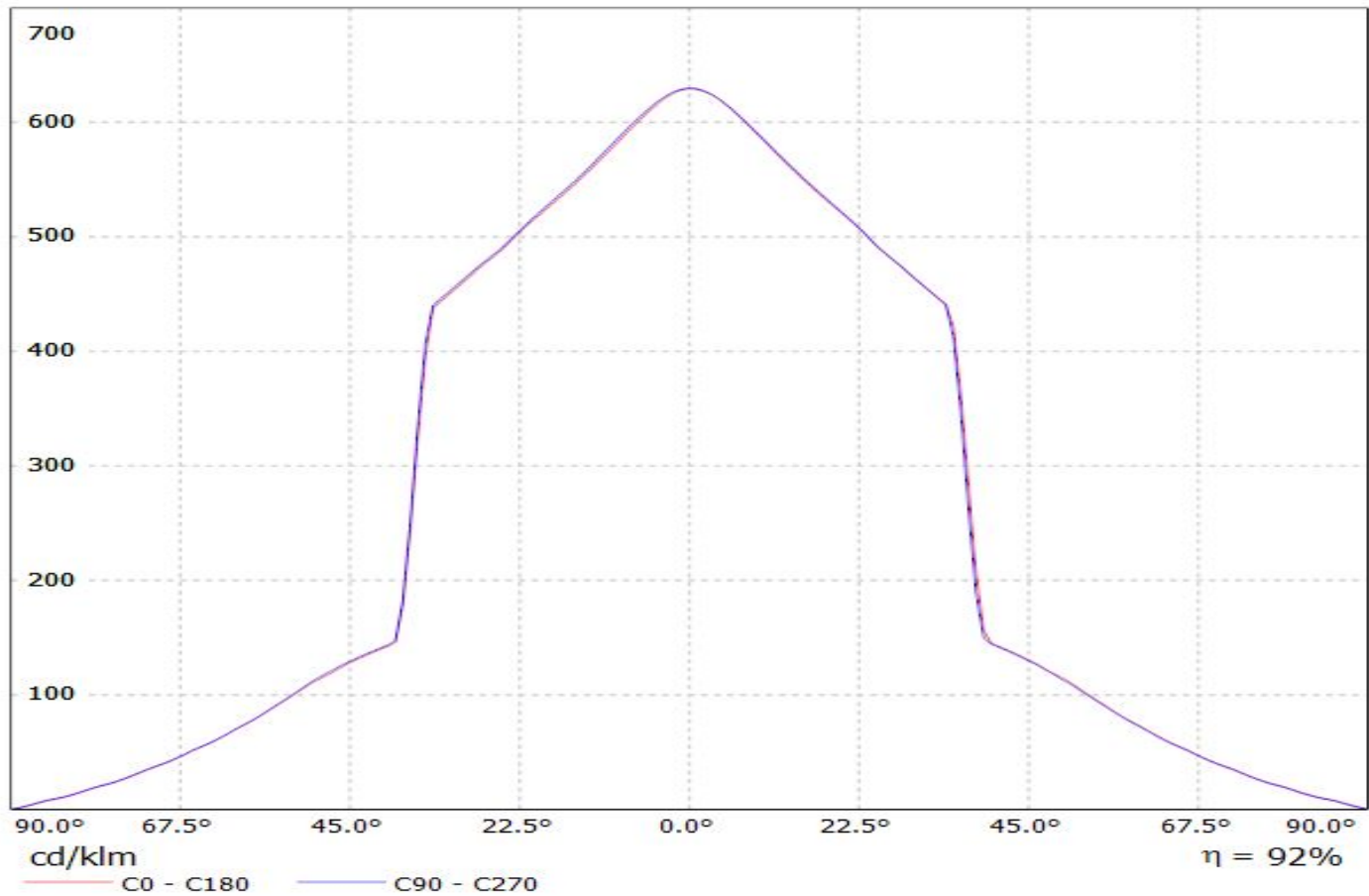
Lamps: 1 x Osram_Soleriq_S13_(GW_KAGHB1.EM)_896.727lm@250mA_P=7.44679W_I=250mA



Luminaire: Ledil FCN14690_ANGELA-XW_(450_Typ_L2)_(C13658_CLAMP-VERO13-18)_(LC040B)
Lamps: 1 x Samsung_LC040B_CCT=3000K_(SPHWW1HDNE25010101)_(450_Typ_L2)_(C13658_CLAMP-VERO13-18)_1109.31lm@250mA_P=8.2W_I=0.25A

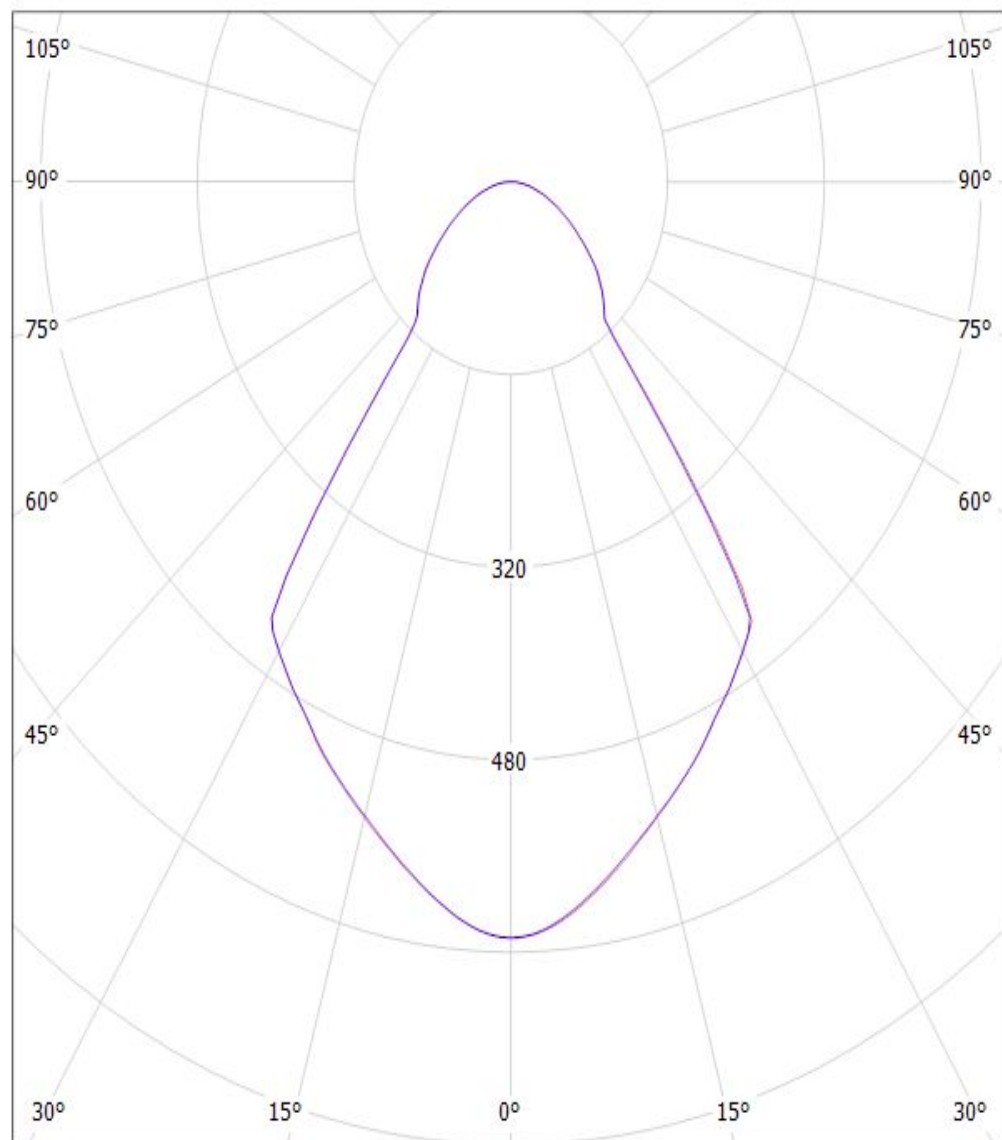


Luminaire: LEDiL Oy FCN14690_ANGELA-XW_(SLE-G5_LES-11)
Lamps: 1 x Tridonic_SLE-G5_LES-11_1137.55lm@250mA_P=8.4177W_I=0.250A



Luminaire: LEDiL Oy FCN14690_ANGELA-XW_(VERO13)

Lamps: 1 x Bridgelux_VERO13_(BXR-30E2000-C-Z3)_+C13658_CLAMP-VERO13-18_956.274lm@250mA_CCT=3000K_P=7.59867W_I=0.25A



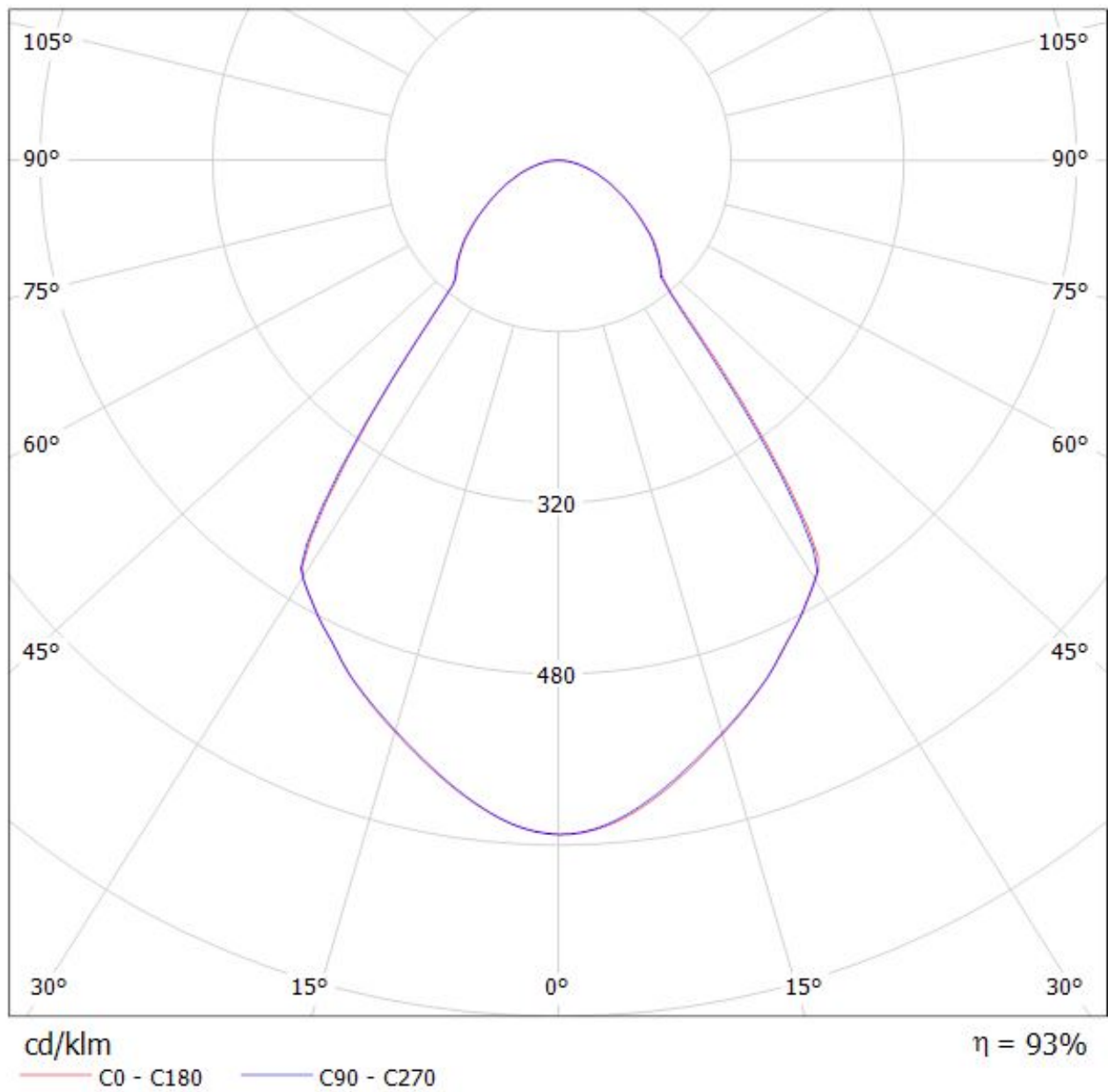
cd/klm

— C0 - C180

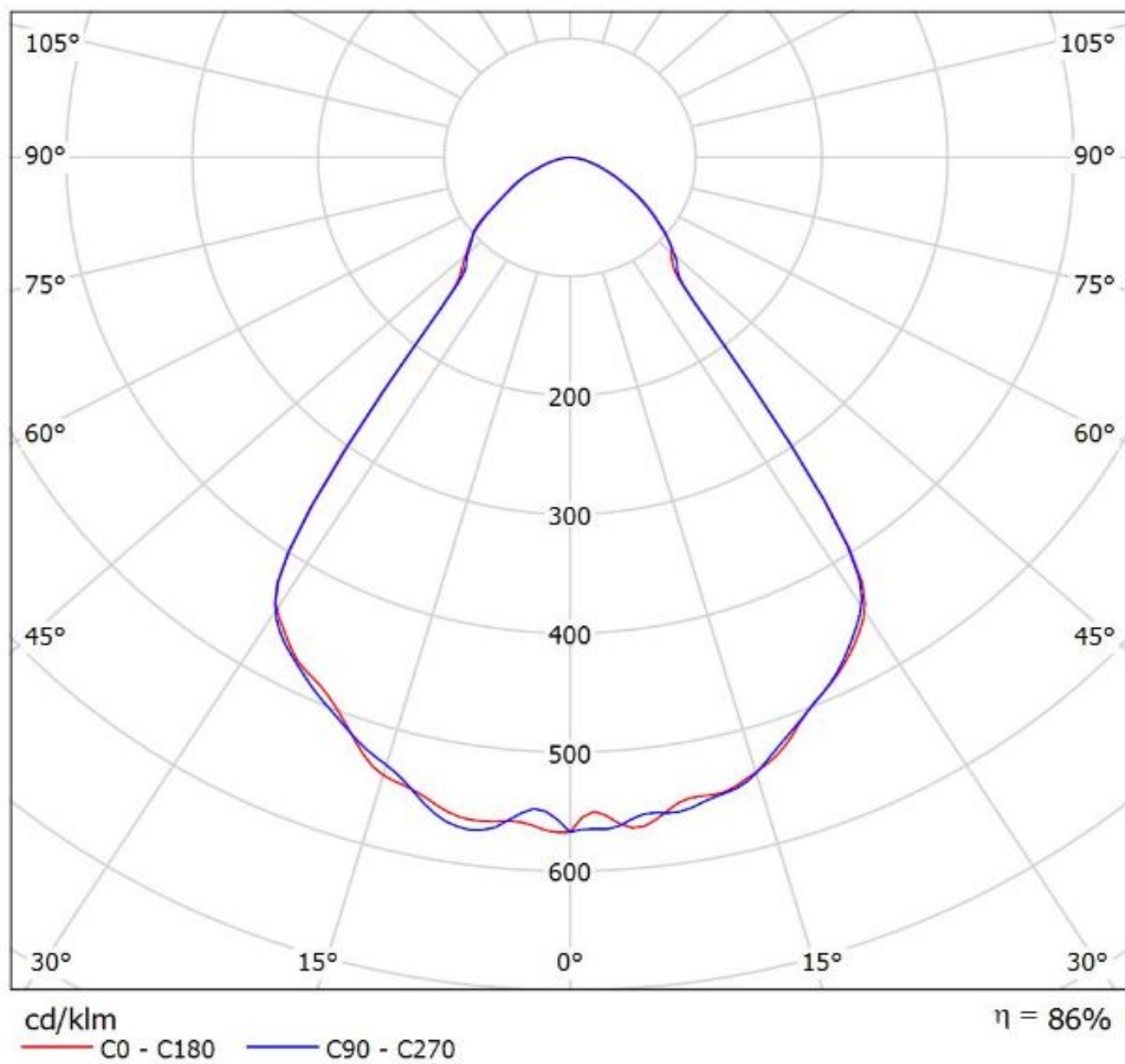
— C90 - C270

η = 93%

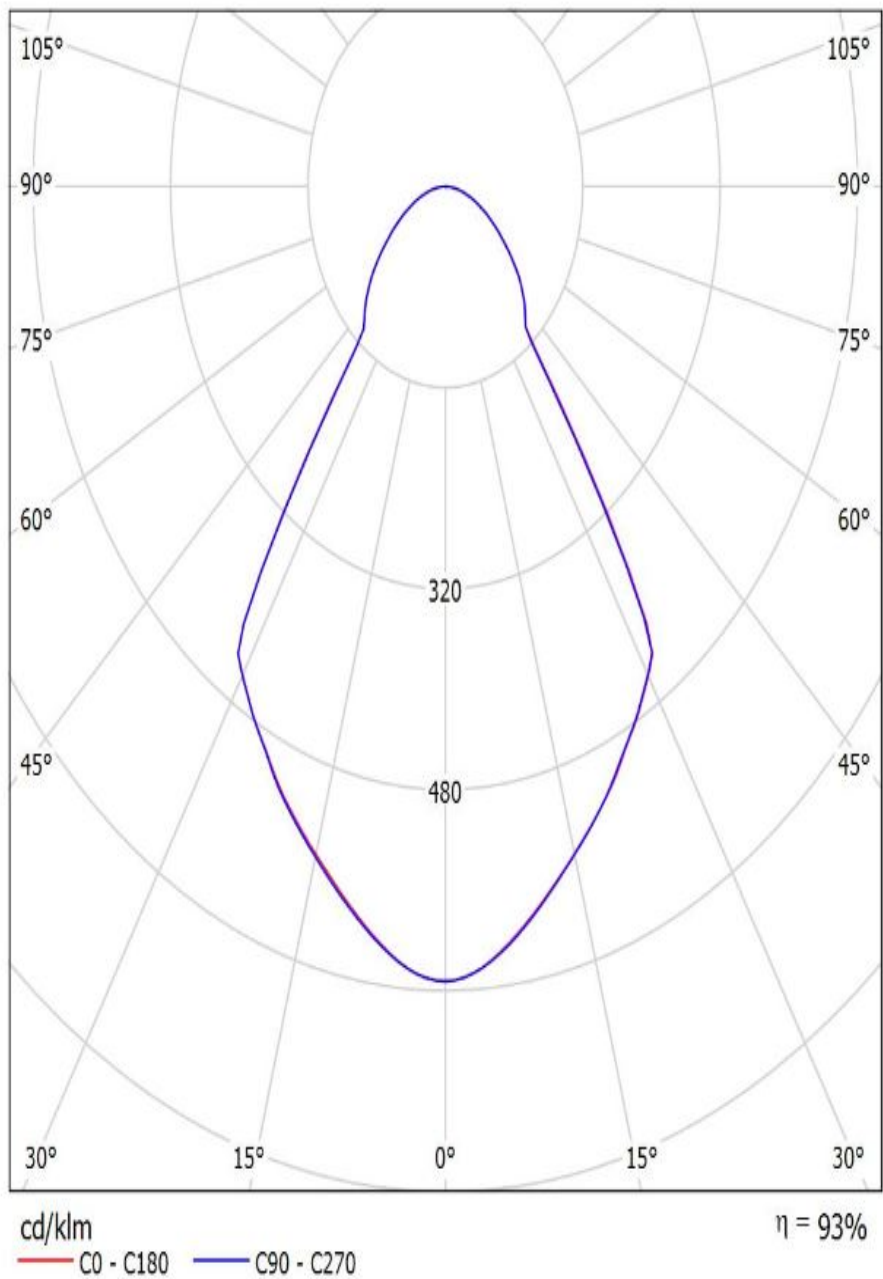
Luminaire: Ledil FCN14690_ANGELA-XW_(VERO18)
Lamps: 1 x Bridgelux_VERO18_(BXRE-30E4000-F-23)_1035.16lm@250mA_CCT=3000K_P=6.80625W_I=0.25A



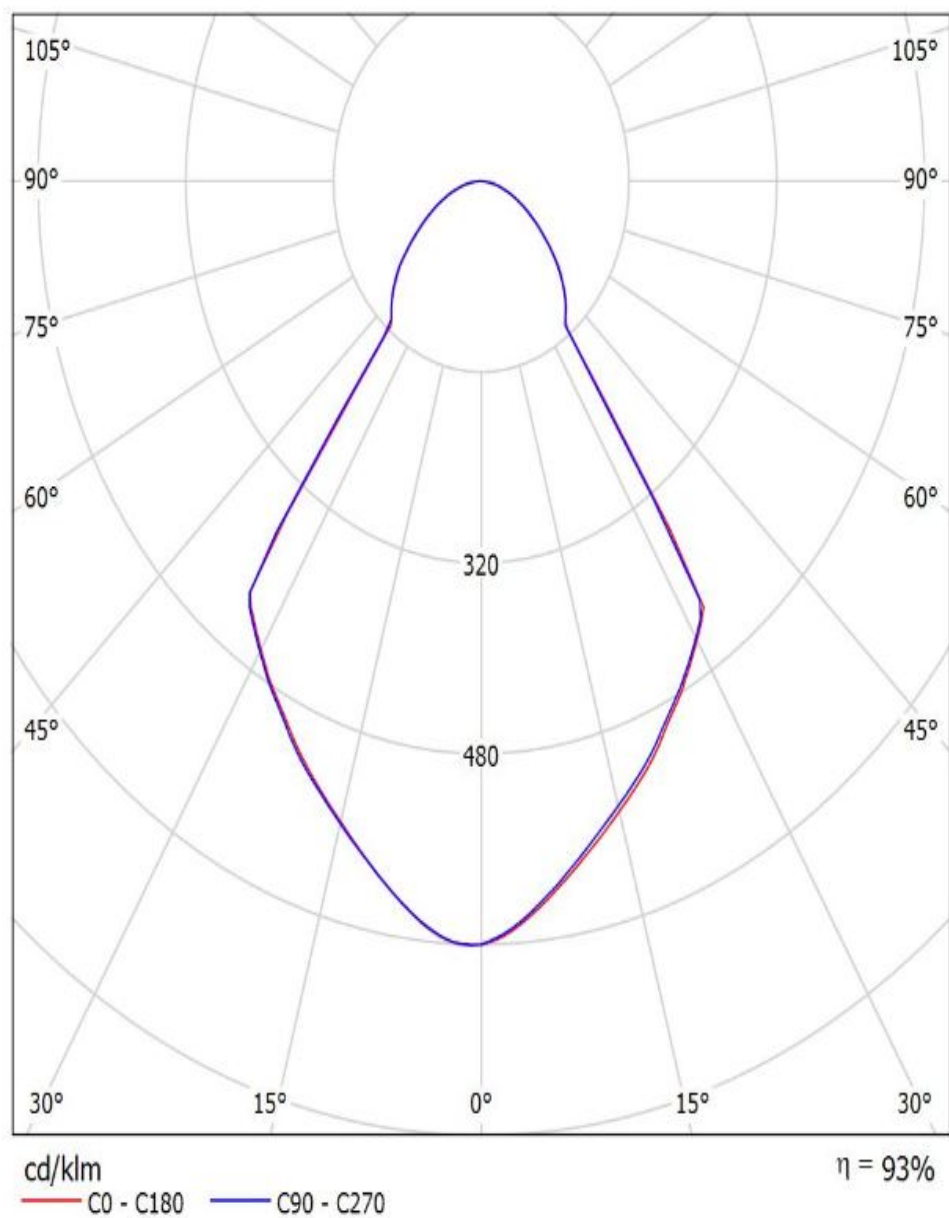
Luminaire: Ledil Oy FCN14690_ANGELA-XW+_B+W_434_TypL1_BRIDGELUX_V10_Gen7_SIMULATED
Lamps: 1 x BRIDGELUX V10 Gen7



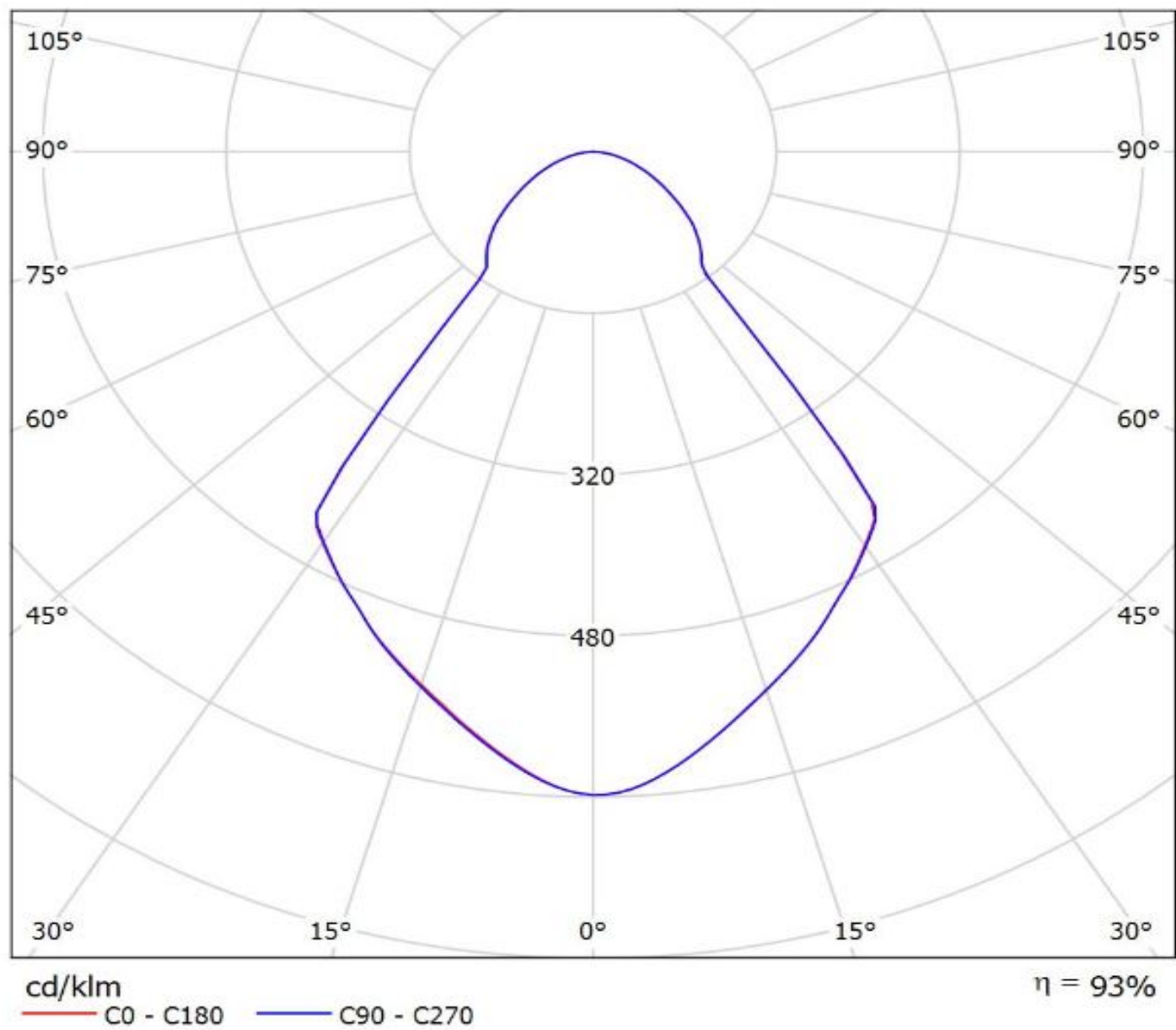
Luminaire: Ledil FCN14690_ANGELA-XW_(CLU034)_(433_Typ_L1)_(C13658) Citizen_CLU034_(CLU034-1205B8-303M1A2)_1180.79lm@250mA_P=8.50075W_I=0.25A
Lamps: 1 x Citizen_CLU034_(433_Typ_L1)_(C13658)_1173.16lm@250mA_P=8.475W_I=0.25A



Luminaire: Ledil FCN14690_ANGELA-XW_(CLU700)_(434_Typ_L1) Citizen_CLU700_(CLU700-1002B8-273M2G1)_390.128lm@100mA_P=3W_I=0.10A
Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_388.036lm@100mA_P=3W_I=0.10A

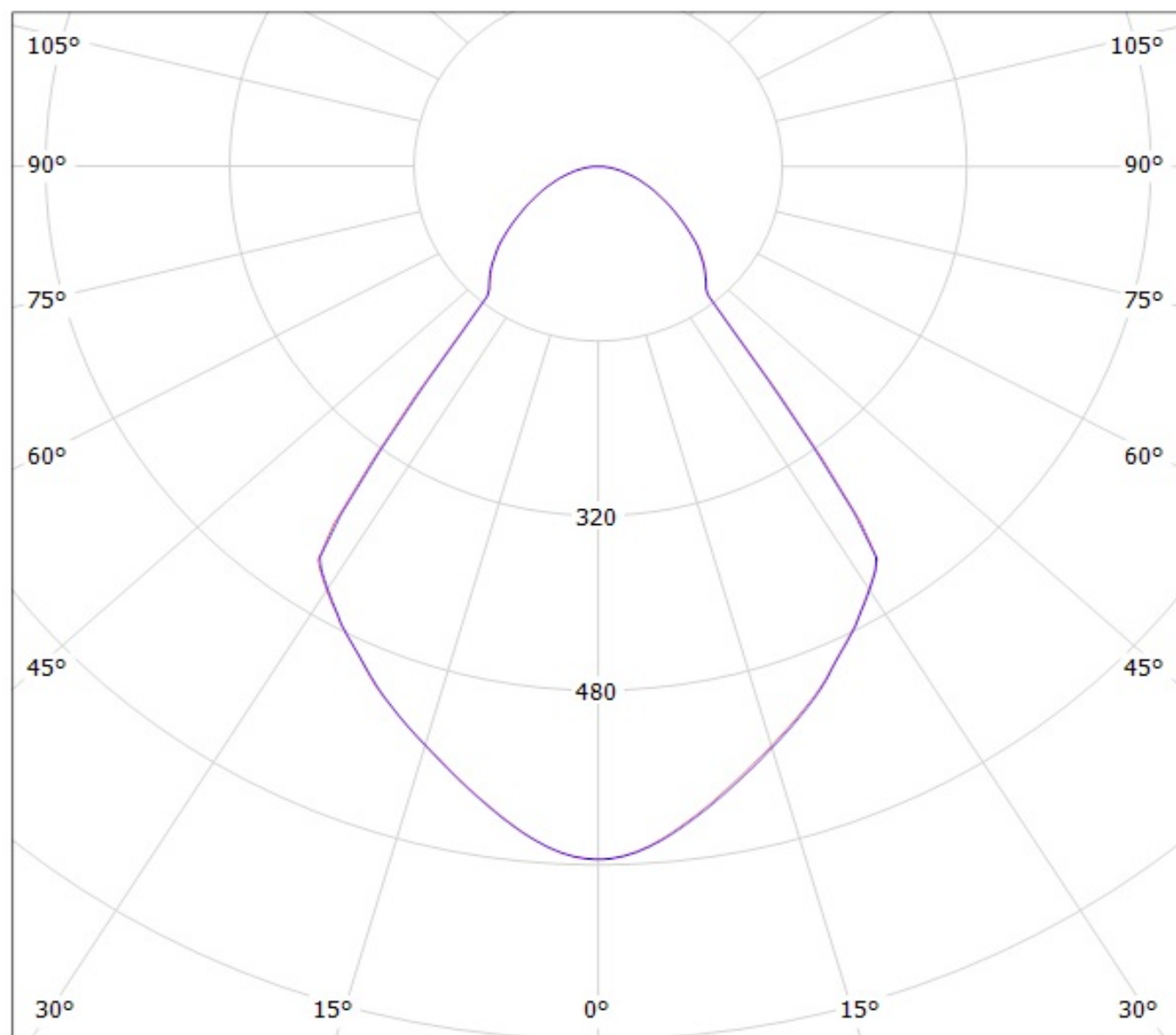


Luminaire: Ledil FCN14690_ANGELA-XW_(CLU024)_(433_Typ_L1) Citizen_CLU024_(433_Typ_L1)_
(C13658_CLAMP-VERO13-18)_1071.07lm@250mA_P=8.43W_I=0.25A
Lamps: 1 x Citizen_CLU024_(433_Typ_L1)_(C13658_CLAMP-VERO13-18)
_1071.07lm@250mA_P=8.43W_I=0.25A



Luminaire: Ledil FCN14690_ANGELA-XW_(CLU720)_(433_Typ_L1)

Lamps: 1 x Citizen_CLU720_(CLU720-1206B8-273M2G1)_1225.89lm@250mA_P=8.3W_I=0.25A



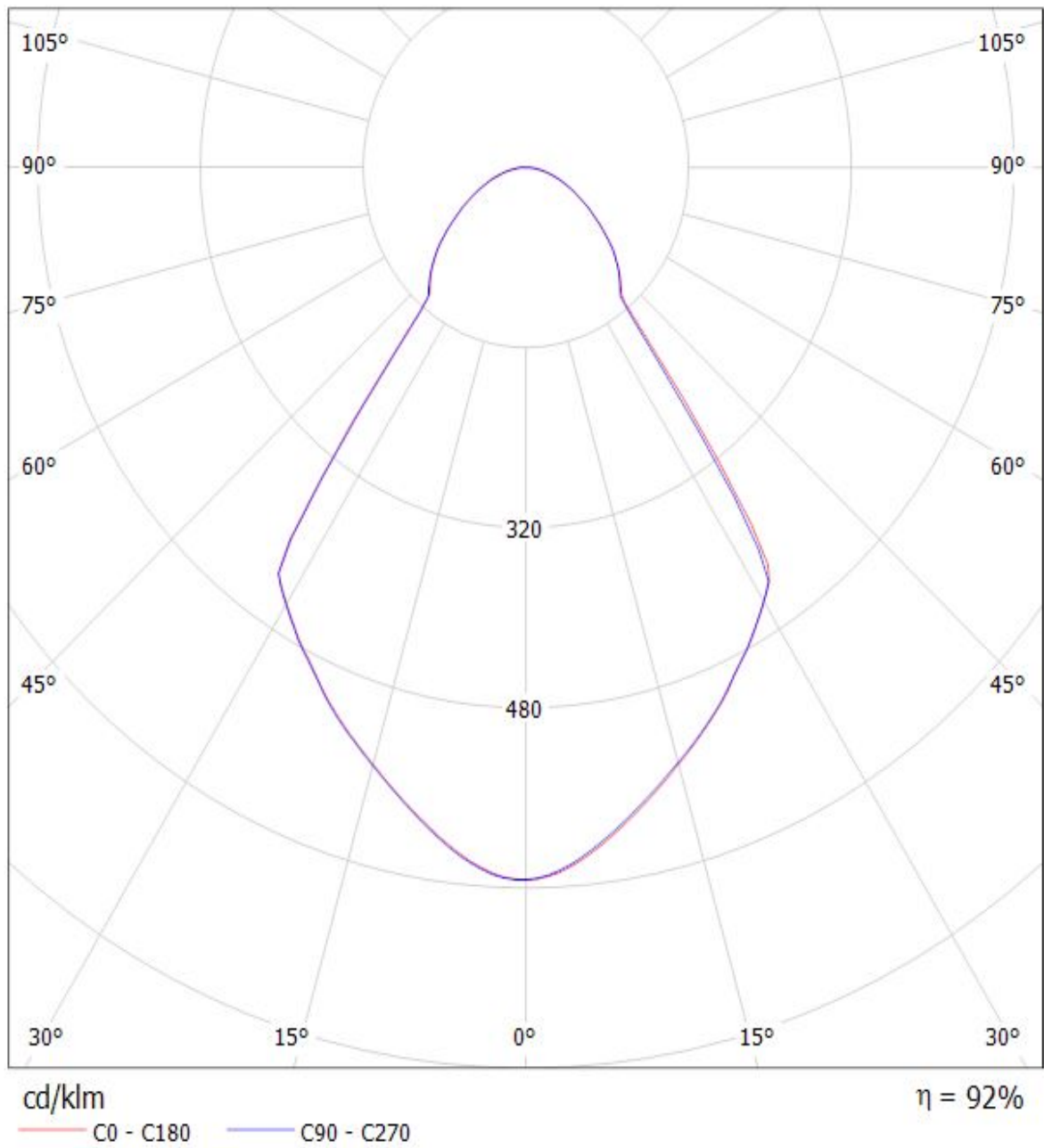
cd/klm

— C0 - C180

— C90 - C270

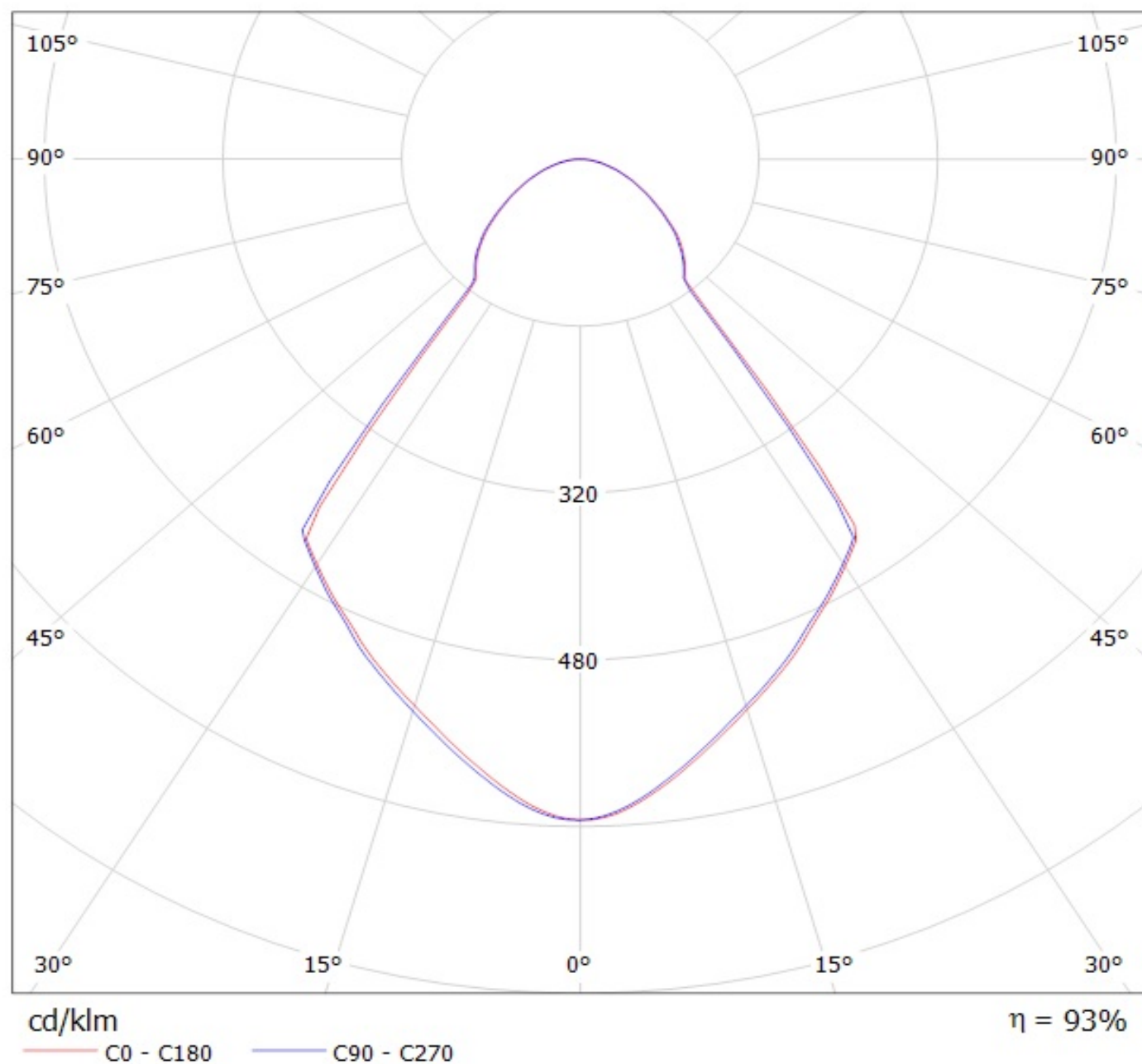
$\eta = 93\%$

Luminaire: Ledil FCN14690_ANGELA-XW_(CXA1850)
Lamps: 1 x CREE_CXA1850_(CXA1850-30F-T4-N0Y-00001)_831.914lm@250mA_CCT=3000K_P=8.27W_I=0.25A

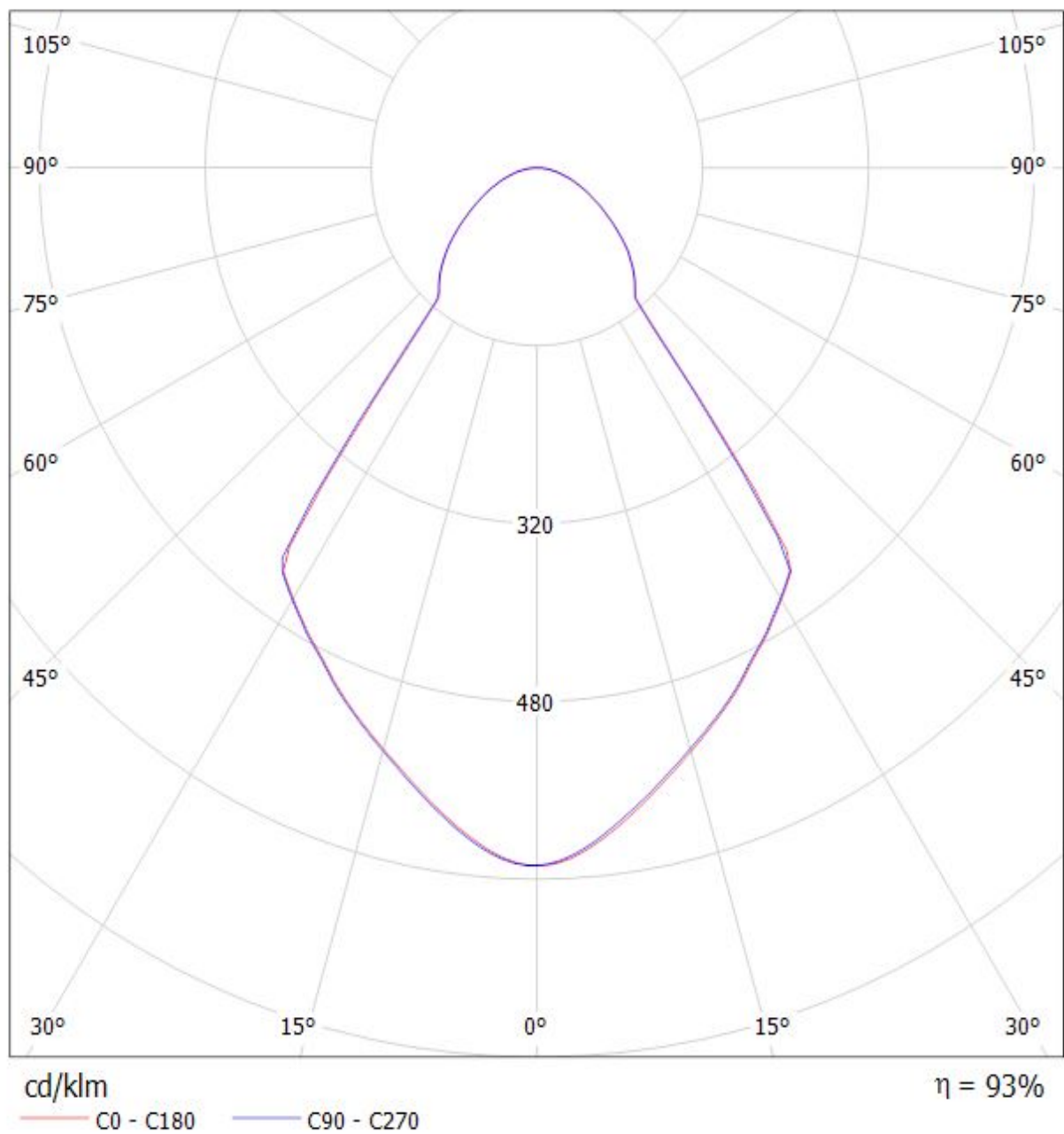


Luminaire: LEDiL Oy FCN14690_ANGELA-XW_(CXA1520)_(441_Typ_L1)

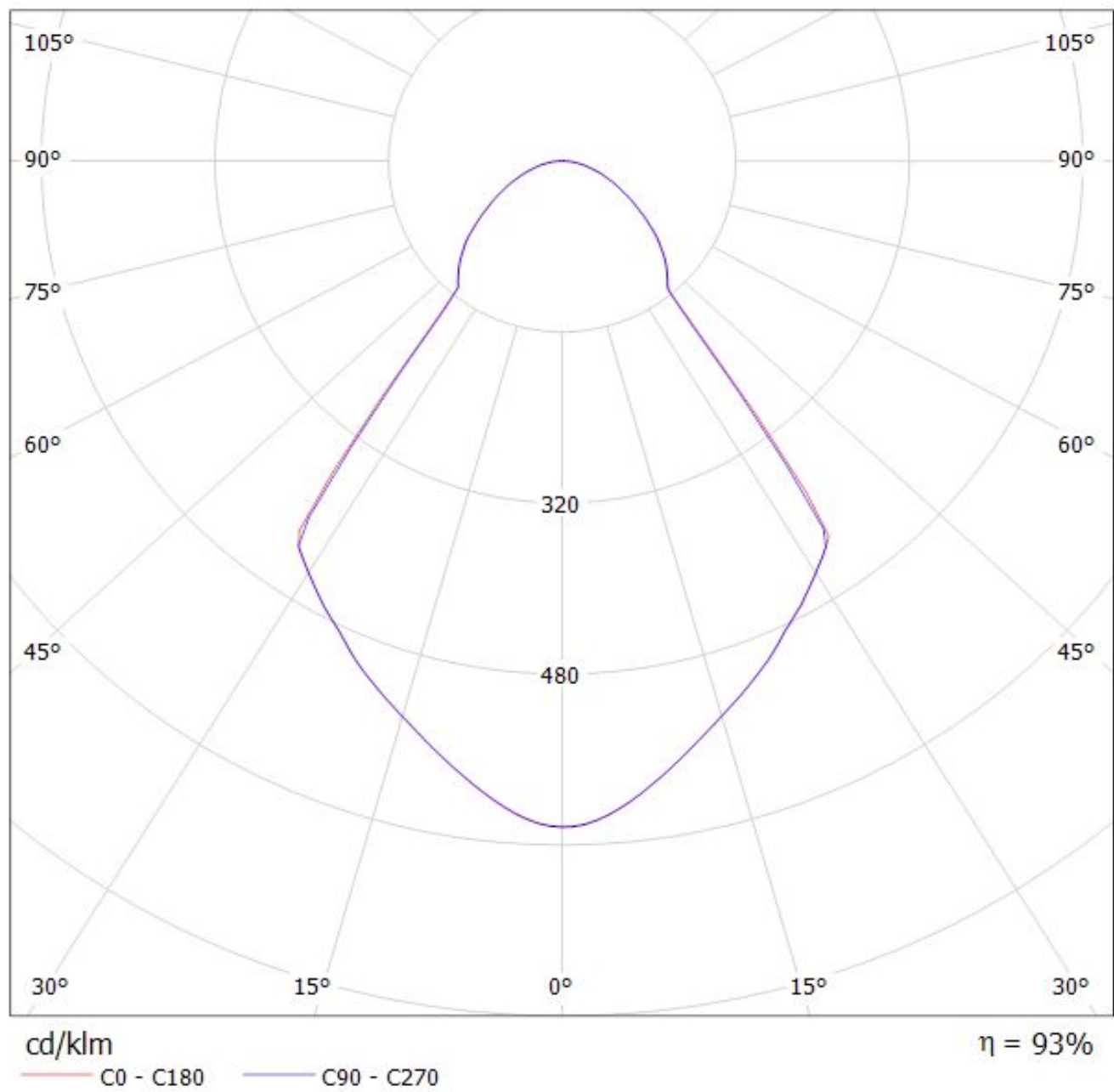
Lamps: 1 x Cree_CXA1520_(CXA1520-30F-N4-N0H-00001)_993.209lm@250mA_P=8.74575W_η=0.2499A



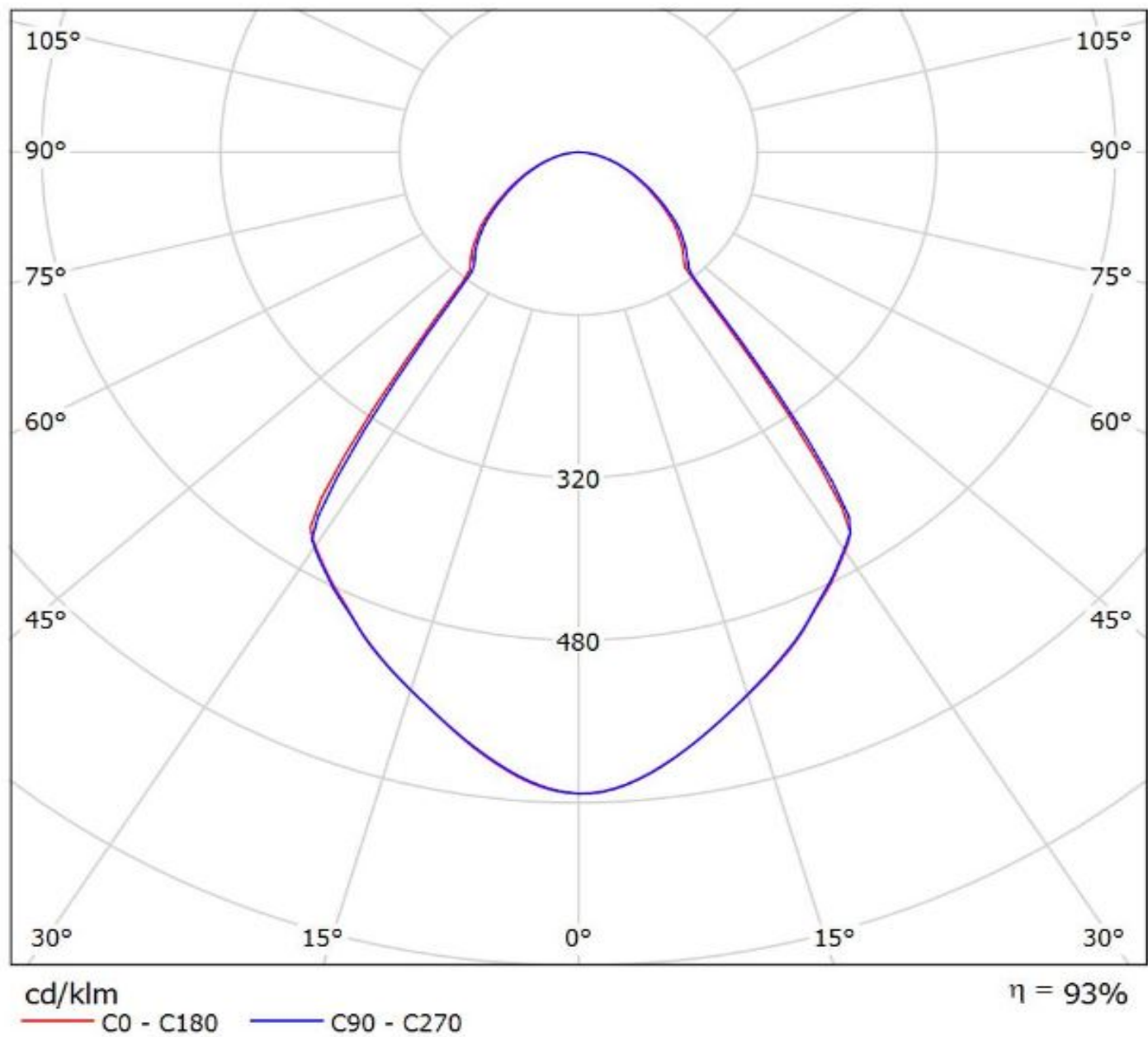
Luminaire: LEDiL Oy FCN14690_ANGELA-XW_(LUXEON_CoB_1203)_(438_Typ_L1)_(C13658_CLAMP-VERO13-18)
Lamps: 1 x LUXEON_CoB_1203_(438_Typ_L1)_(C13658_CLAMP-VERO13-18)_984.56lm@250mA_P=8.6828W_I=0.25A



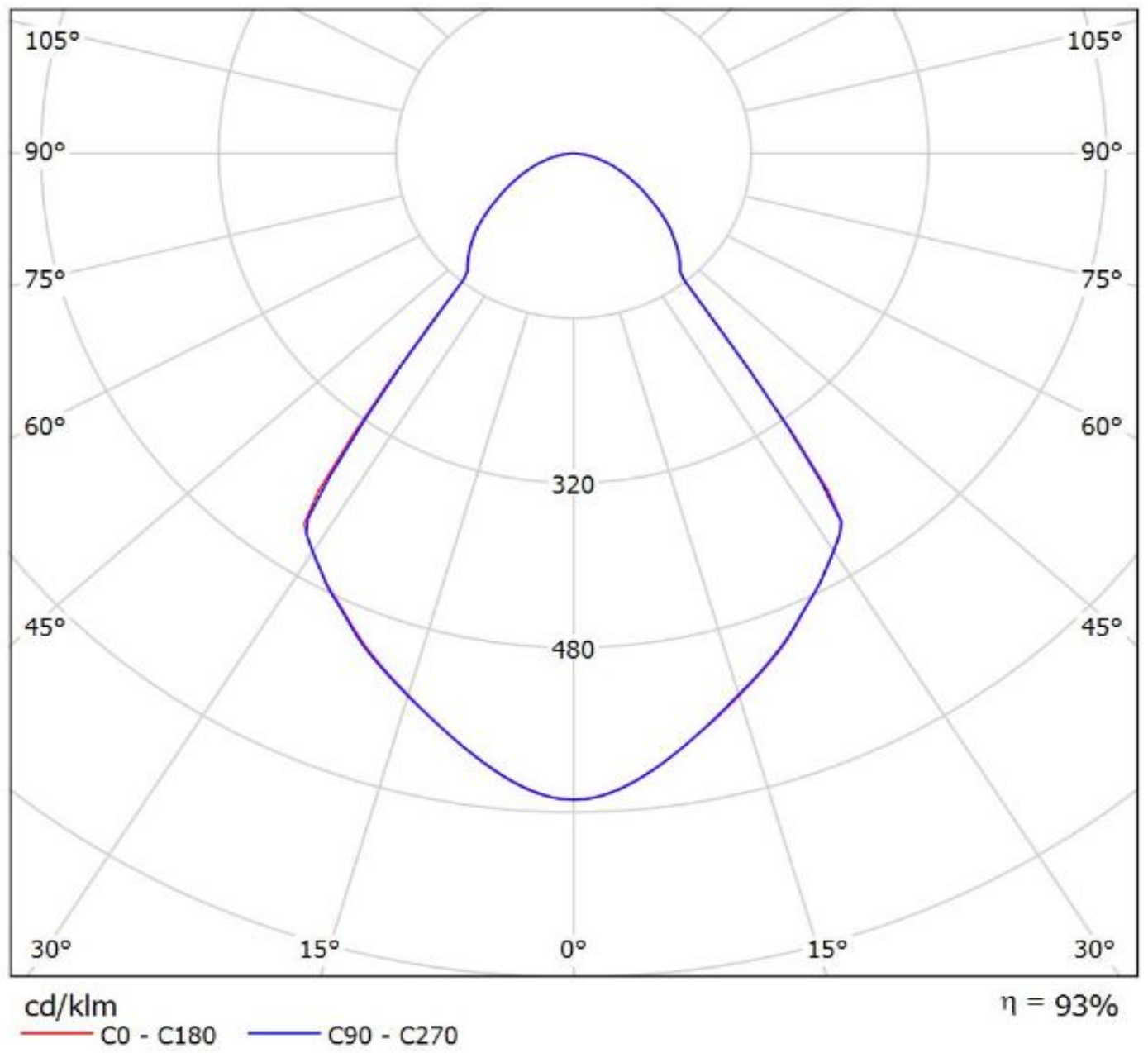
Luminaire: LEDiL Oy FCN14690_ANGELA-XW_(NFCLL036B)
Lamps: 1 x Nichia NFCLL036B (sm403J1300R8000)_541.131lm@100mA_CCT=4000K_P=3.34324W_I=0.100A



Luminaire: Ledil FCN14690_ANGELA-XW_(NFDxJ130B)
Lamps: 1 x Nichia_NFDxJ130B_(463 Typ L2)_C13658_CLAMP-
VERO13_1504.8lm@250mA_P=8.27W_I=0.25A

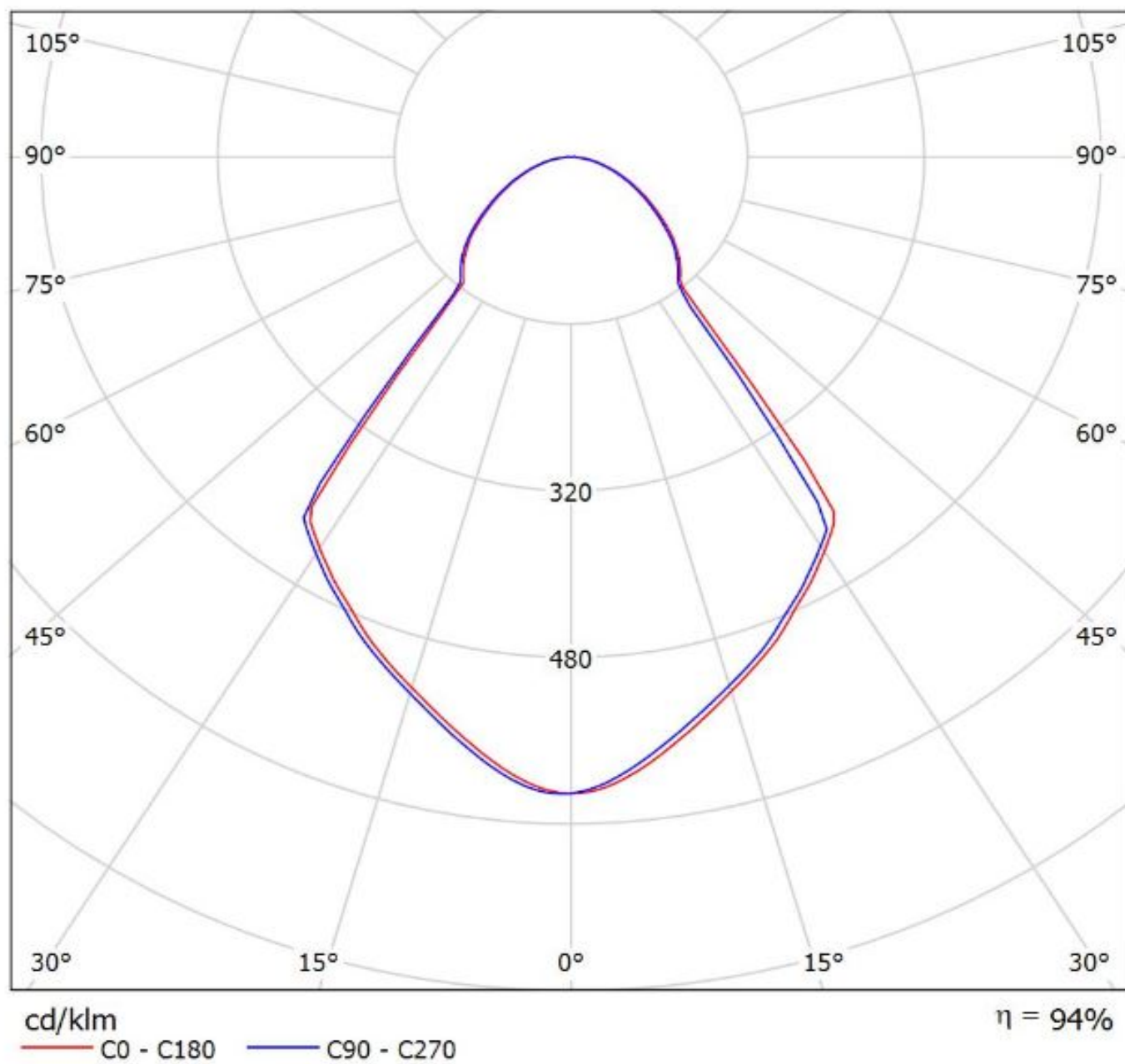


Luminaire: Ledil FCN14690_ANGELA-XW_(NFCLL060B)
Lamps: 1 x Nichia_NFCLL060B_(438_TYP_L1)_C13658_1356.65lm@250mA_P=8.375W_I=0.25A



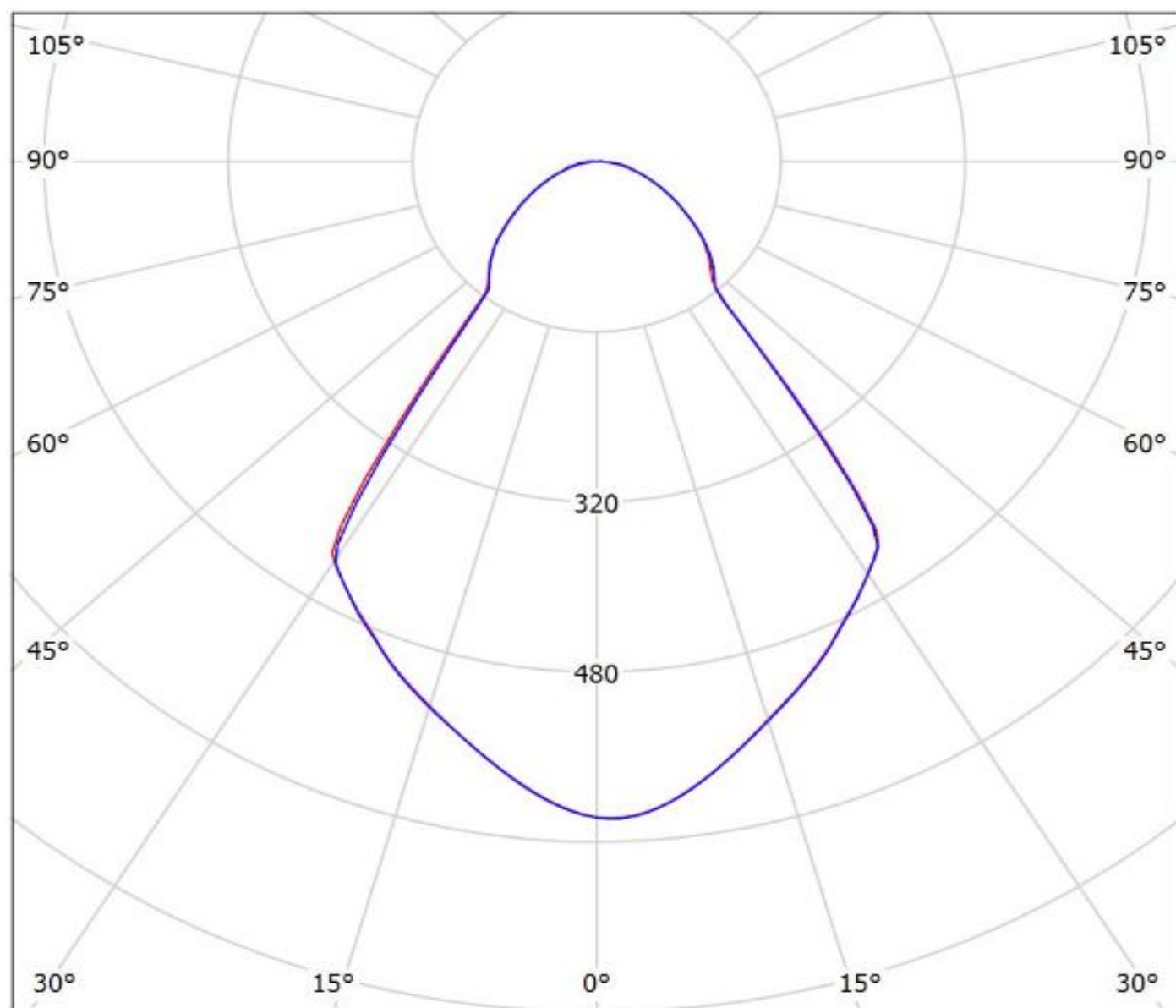
Luminaire: Ledil FCN14690_ANGELA-XW_(Soleriq_P9)

Lamps: 1 x Osram_Soleriq_P9_(GW_MAFJB1.EM)_972.417lm@250mA_CCT=4299K_P=6.9W_I=0.25A



Luminaire: Ledil FCN14690_ANGELA-XW_(Soleriq_P13)

Lamps: 1 x Osman_Soleriq_P13_1009.11lm@250mA_P=6.9385W_η=0.25A



cd/klm

— C0 - C180

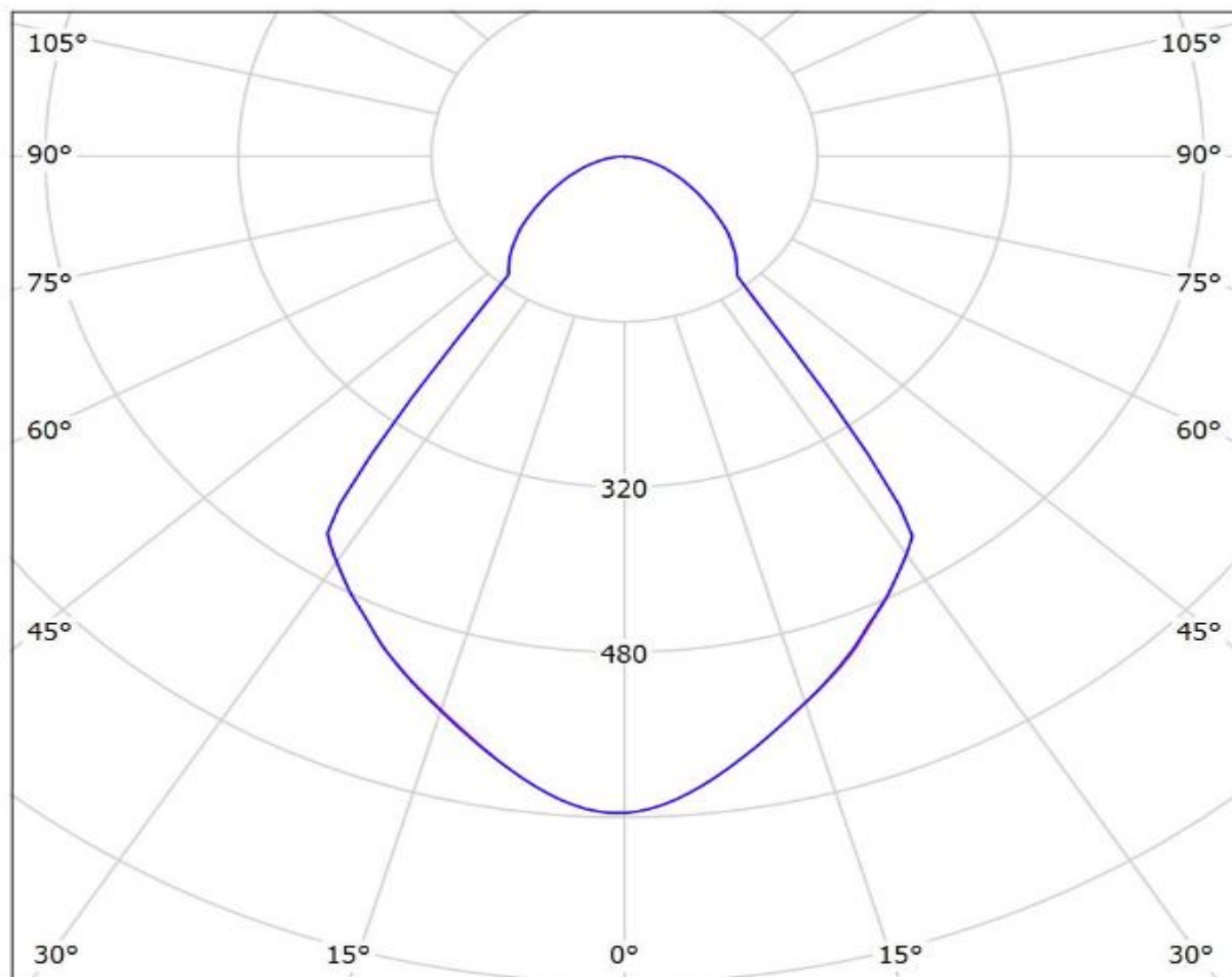
— C90 - C270

η = 94%

Ledil FCN14690_ANGELA-XW_(Soleriq_S13) / LDC (Polar)

Luminaire: Ledil FCN14690_ANGELA-XW_(Soleriq_S13)

Lamps: 1 x Osram_Soleriq_S13_(GW_KAGHB1.EM)_896.727lm@250mA_P=7.44679W_I=250mA



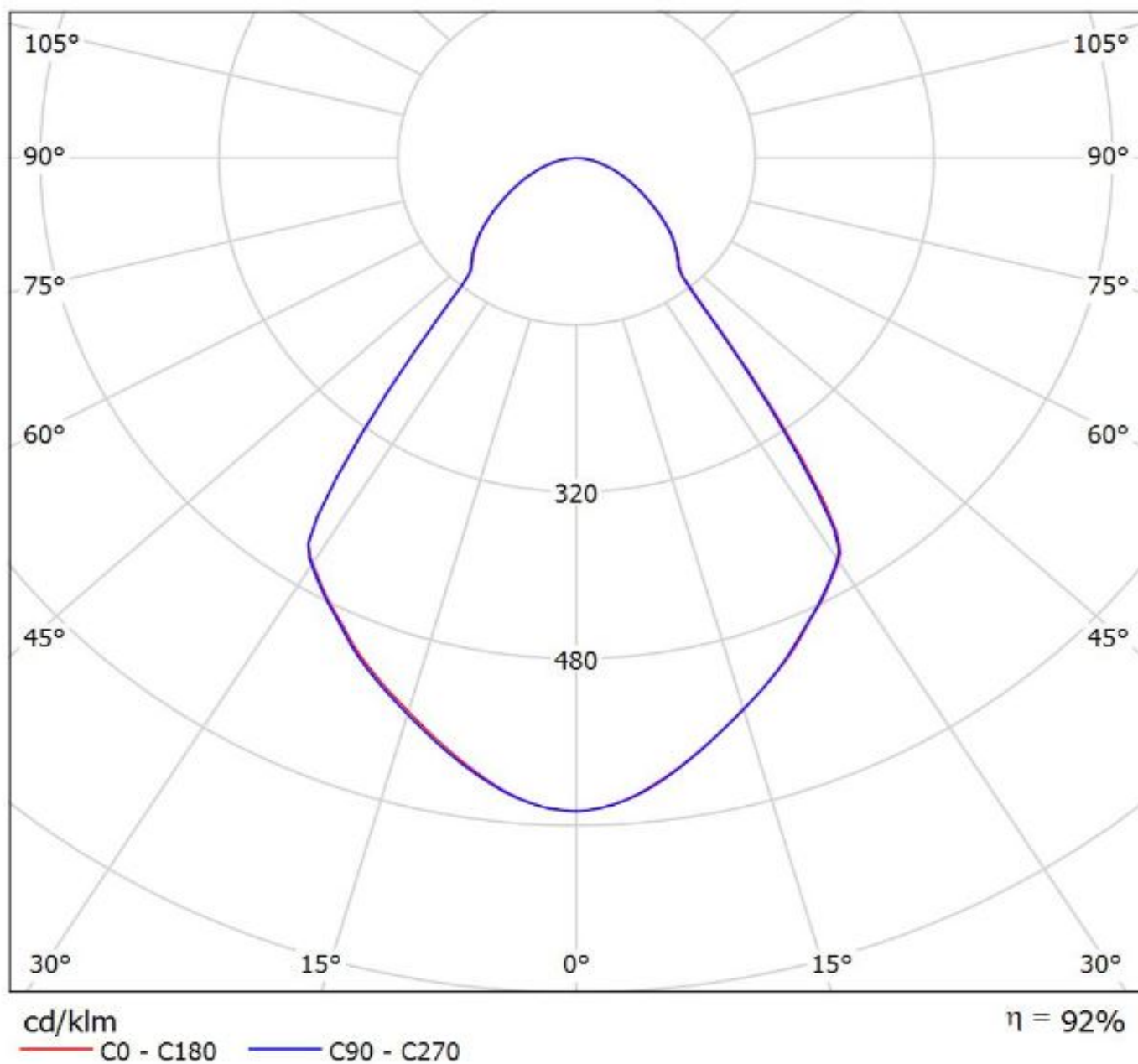
cd/klm

— C0 - C180

— C90 - C270

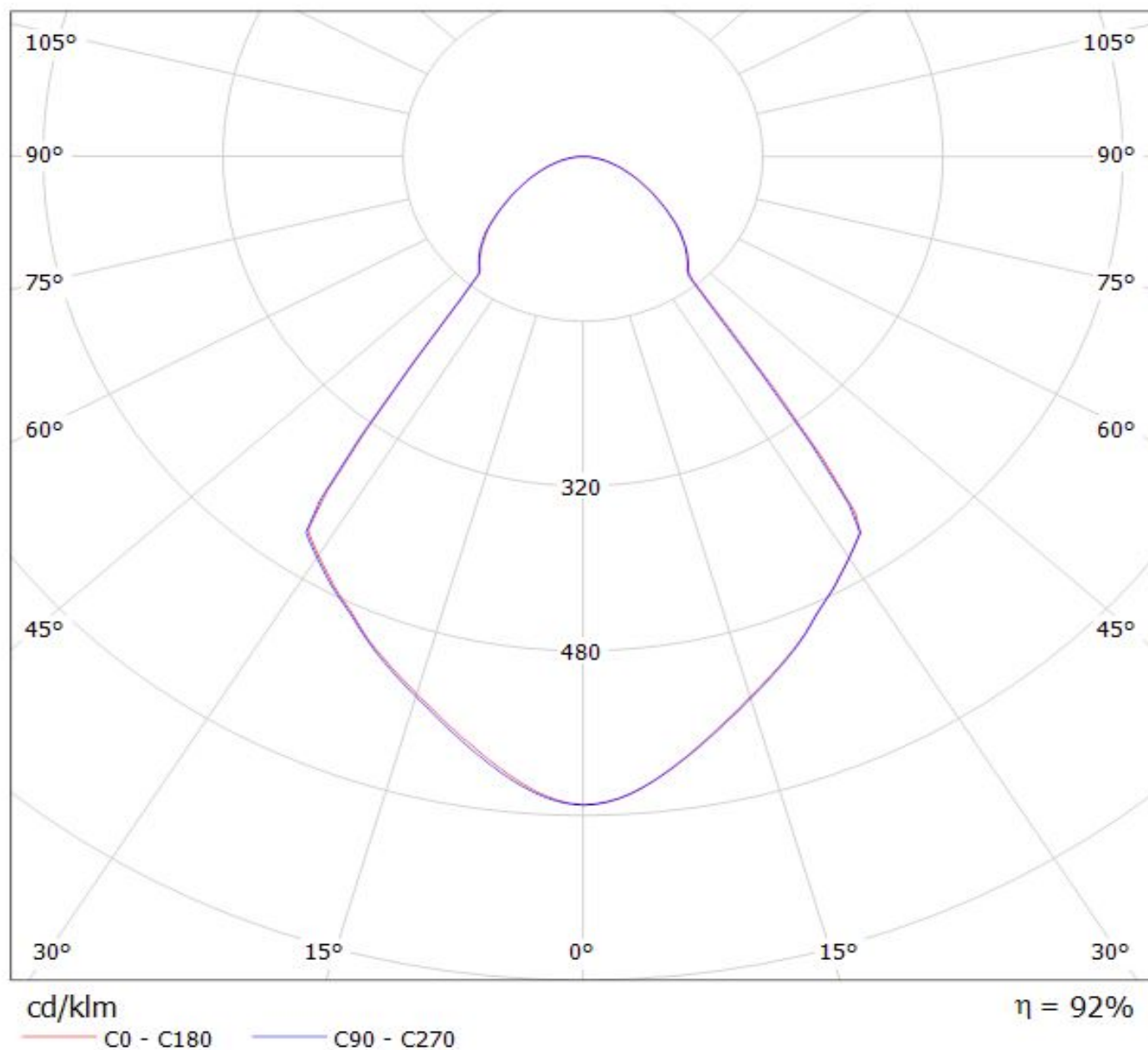
$\eta = 93\%$

Luminaire: Ledil FCN14690_ANGELA-XW_(450_Typ_L2)_(C13658_CLAMP-VERO13-18)_(LC040B)
Lamps: 1 x Samsung_LC040B_CCT=3000K_(SPHWW1HDNE25010101)_(450_Typ_L2)_(C13658_CLAMP-VERO13-18)_1109.31lm@250mA_P=8.2W_I=0.25A



Luminaire: LEDiL Oy FCN14690_ANGELA-XW_(SLE-G5_LES-11)

Lamps: 1 x Tridonic_SLE-G5_LES-11_1137.55lm@250mA_P=8.4177W_I=0.250A



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.