

DETAILS

Product Number	FN13323_STELLA-A
Family	STELLA
Type	Pack
Color	black
Diameter	90 mm
Height	22 mm
Style	round
Optic Material	Silicone
Holder Material	PA66GF30
Fastening	screw
Status	production ready
ROHS Compliant	Yes
Date Updated	5/04/2016

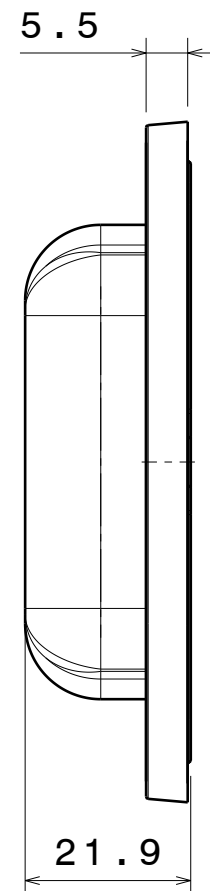
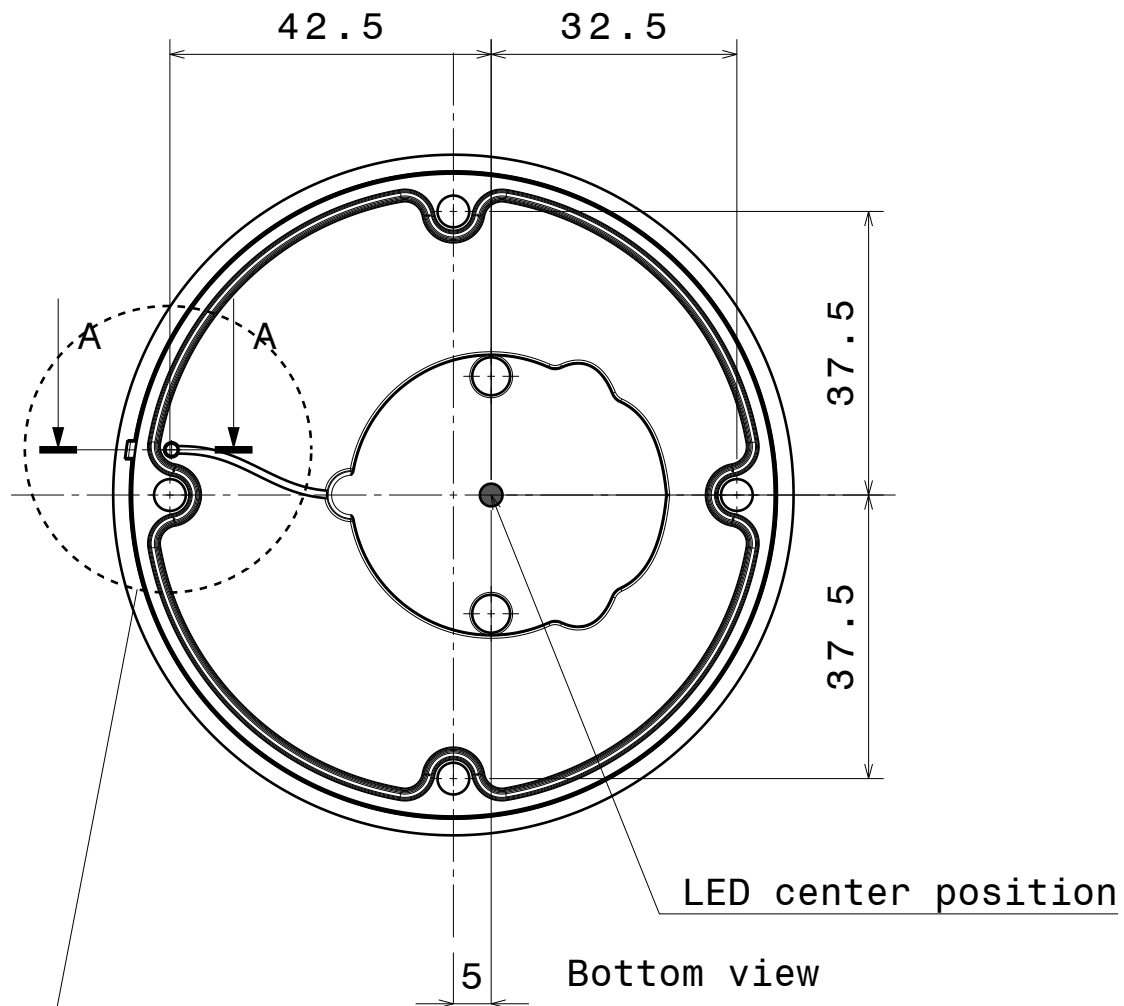


OPTICAL PROPERTIES

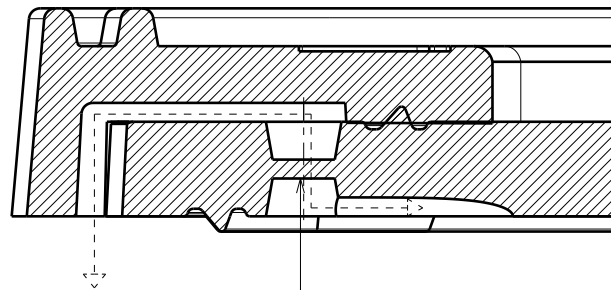
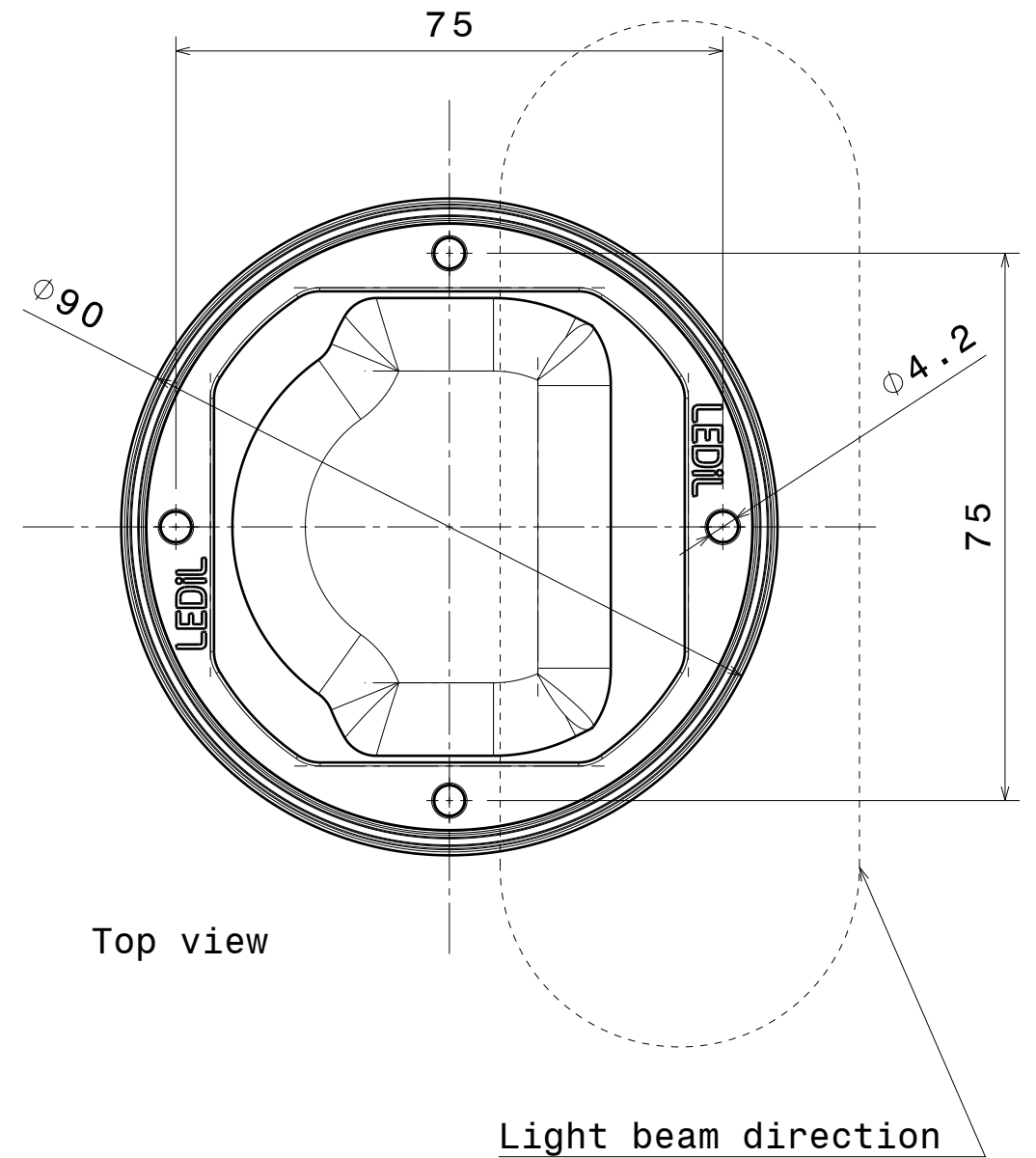
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
V15	Asymmetric deg	Asymmetric	91 %	0.550	-
CLL03x/CLU03x	Asymmetric deg	Asymmetric	92 %	0.616	Bender Wirth: 433 Typ L1
CXA/B 25xx	Asymmetric deg	Asymmetric	93 %	0.490	-
CXA/B 15xx	Asymmetric deg	Asymmetric	92 %	1.100	-
VERO13	Asymmetric deg	Asymmetric	92 %	0.660	-
VERO18	Asymmetric deg	Asymmetric	92 %	0.500	-
LUXEON CoB 1208	Asymmetric deg	Asymmetric	-	0.300	-
CXA/B 1816 & CXA/B 1820 & CXA 1850	asymmetric deg	Asymmetric	87 %	0.670	-
Soleriq S19	Asymmetric deg	Asymmetric	90 %	0.500	-
Soleriq S13	Asymmetric deg	Asymmetric	91 %	0.700	-
Mega Zenigata (GW6DME)	asymmetric deg	Asymmetric	90 %	0.570	-
CXM-18	Asymmetric deg	Asymmetric	89 %	0.460	-
CXM-14	asymmetric deg	Asymmetric	90 %	0.580	-
Soleriq P13	asymmetric deg	Asymmetric	90 %	0.610	-
NSBxL066A/NFCxL036B	Asymmetric deg	Asymmetric	90 %	0.930	Bender Wirth: 438 Typ L1
CLU710	Asymmetric deg	Asymmetric	89 %	0.960	-
CLU720	asymmetric deg	Asymmetric	sim: 90 %	0.730	-
CLU730	sim: Asymmetric	Asymmetric	sim: 90 %	sim: 0.000	-
Soleriq P13	Asymmetric deg	Asymmetric	94 %	0.660	Bender Wirth: 437 Typ L1
Soleriq S13	Asymmetric deg	Asymmetric	92 %	0.690	Bender Wirth: 437 Typ L1
Soleriq P9	asymmetric deg	Asymmetric	88 %	0.900	Bender Wirth: 461 Typ L1
LUXEON CoB 1202/1203	asymmetric deg	Asymmetric	88 %	0.910	Bender Wirth: 438 Typ L1
CLU700	Asymmetric deg	Asymmetric	89 %	1.400	Bender Wirth: 434 Typ L1
CXA/B 1816 & CXA/B 1820 & CXA 1850	asymmetric deg	Asymmetric	89 %	0.670	Bender Wirth: 437 Typ L1
L121A/L060B/L024Z	Asymmetric deg	Asymmetric	89 %	0.720	Bender Wirth: 438 Typ L1

NOTE: Maximum recommended tightening
torque for STELLA-FRAME is 0,4Nm

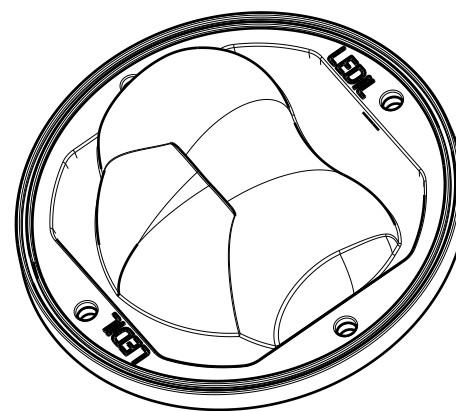
Front view



Top view



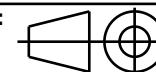
Venting pipe:
Piercing this membrane
will Allow lens breathing



Isometric view

Lens material:	Optical grade LSR
Frame material:	PA, black

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures: class V
Please note that due to the elasticity of
products made of silicone actual measured
values may vary, and therefore typical
tolerance values may not be applied.



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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

	DRAWING TITLE
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STELLA-A datasheet

SIZE

A3

PART NUMBER

FN13323

SCALE

1:1

1 | WEIGHT

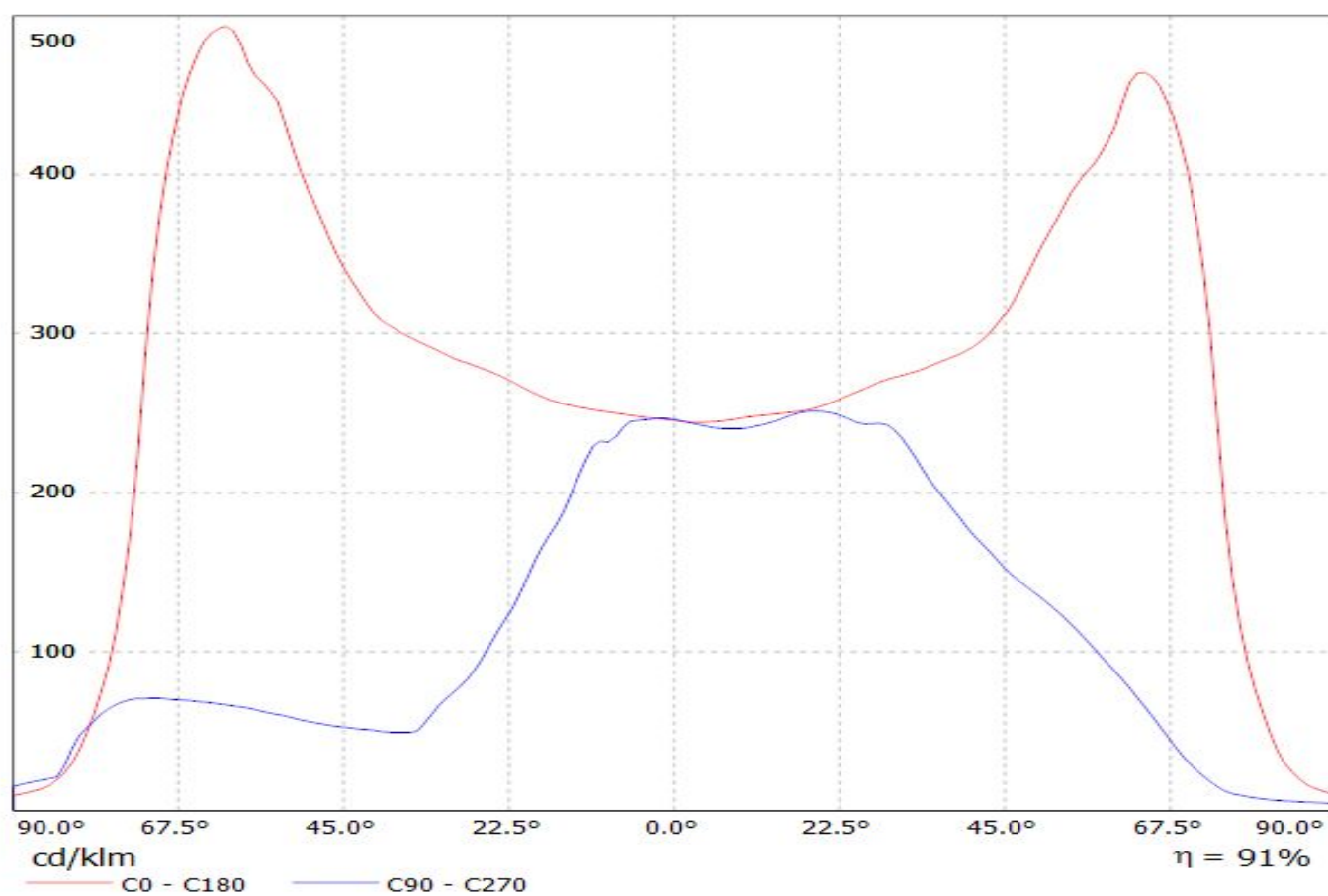
(g)

SHEET

1 / 1

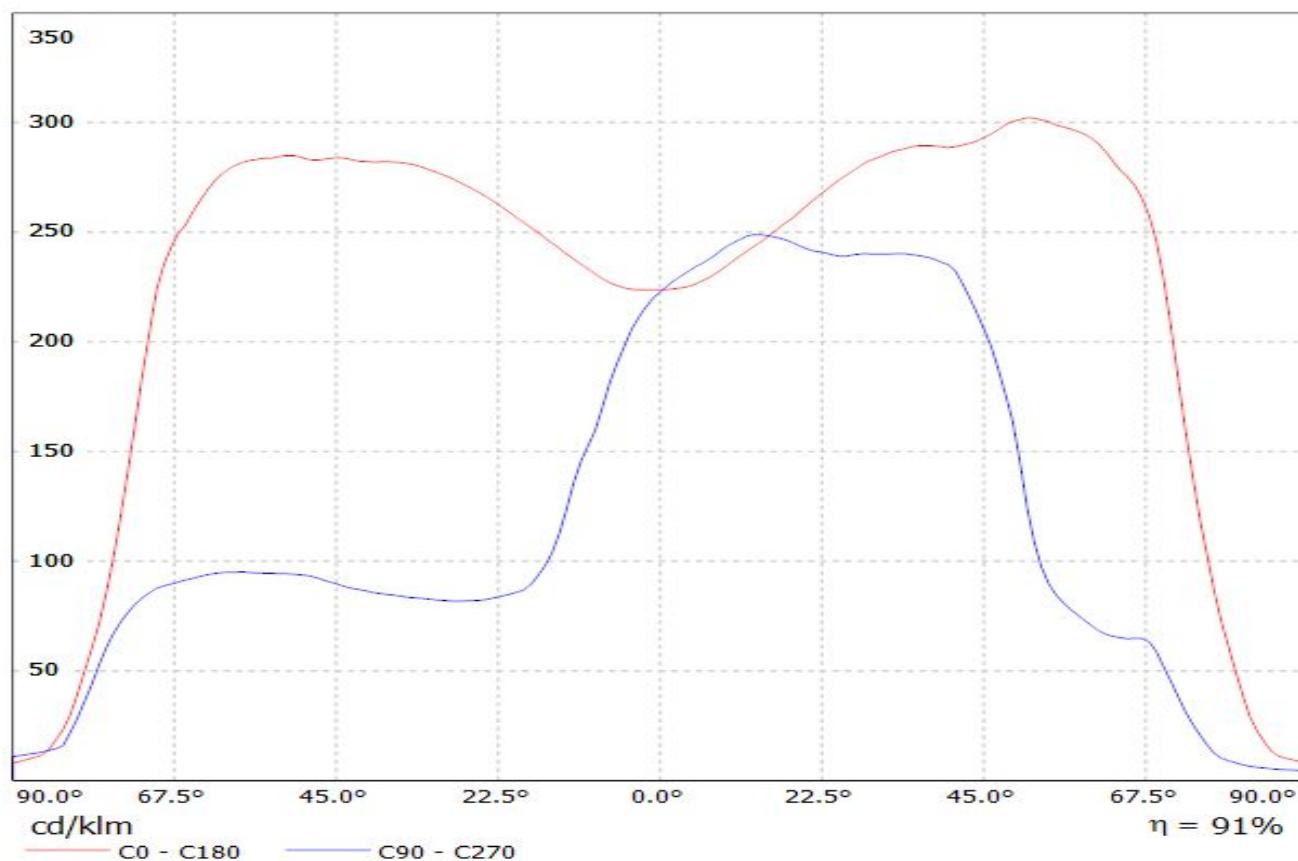
Luminaire: LEDiL Oy FN13323_STELLA-A_(V15)

Lamps: 1 x Bridgelux_V15_1050.21lm@250mA_P=8.19169W_I=249.8mA

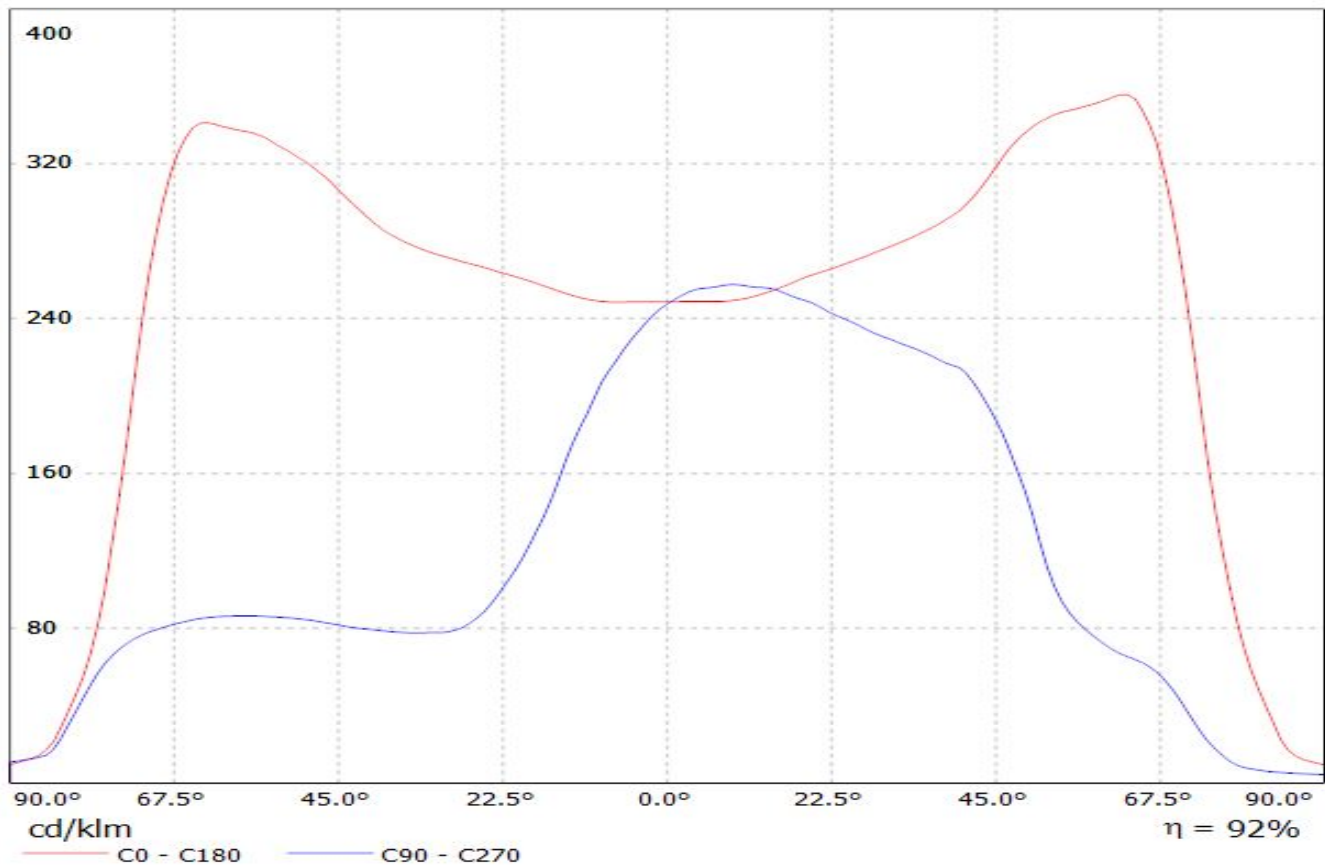


Luminaire: LEDiL Oy FN13323_STELLA-A_(CLL030) Eff. 92%

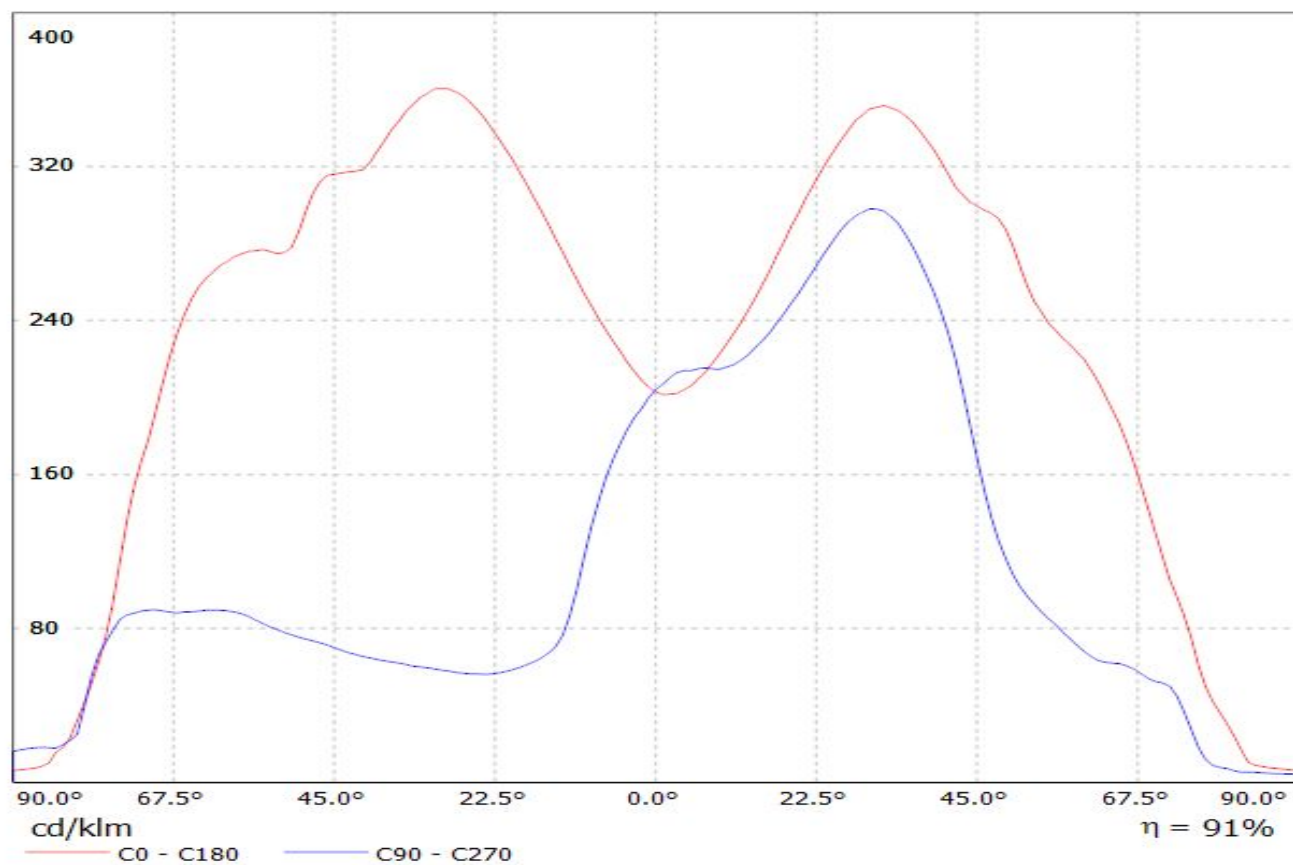
Lamps: 1 x Citizen_CLL030_(CLL030-1205A5-303H1A7) 690lm@250mA CCT=3000K P=9W I=250mA



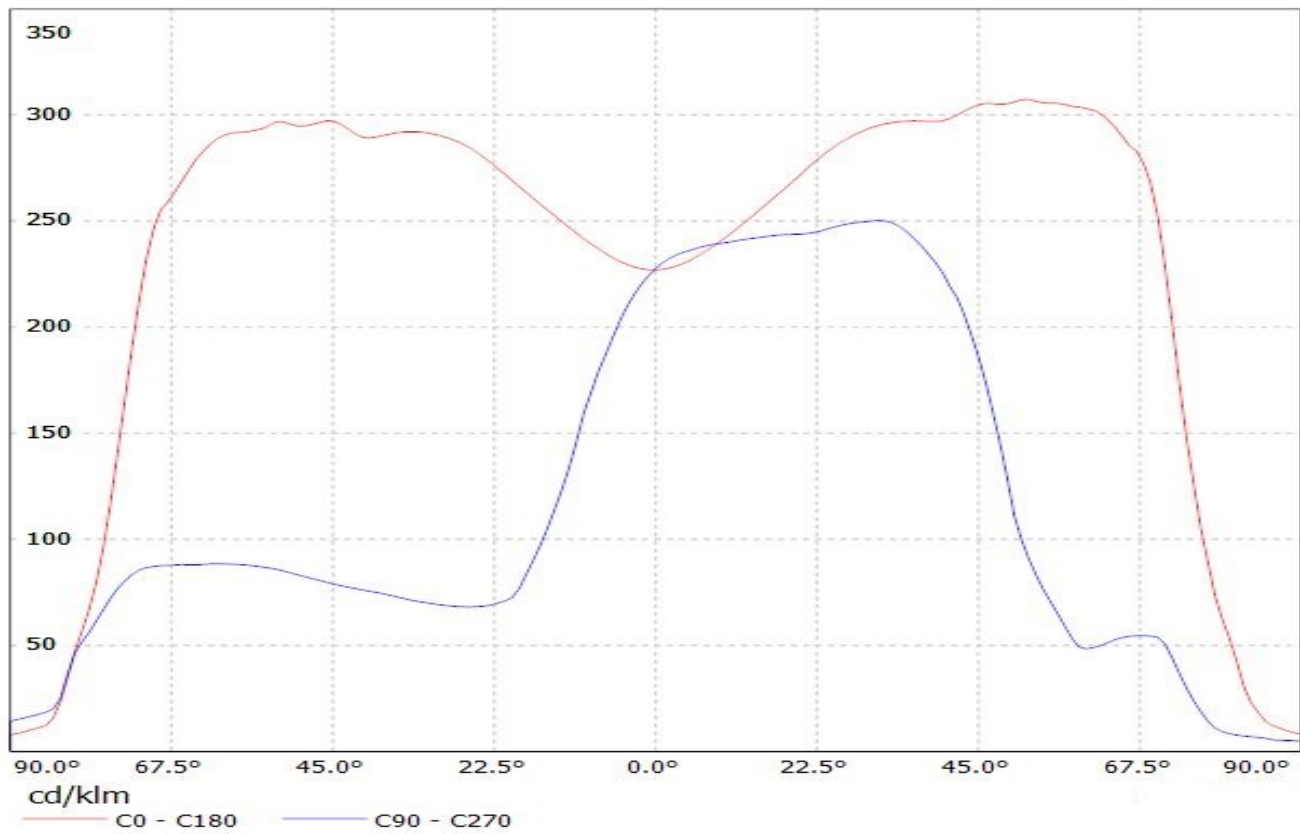
Luminaire: LEDiL Oy FN13323_STELLA-A_(CXA25) Eff. 93%
Lamps: 1 x CREE_CXA25 (CXA2530-7C0-T2-N0H)1100lm@250mA CCT=3000K P=8W I=250mA



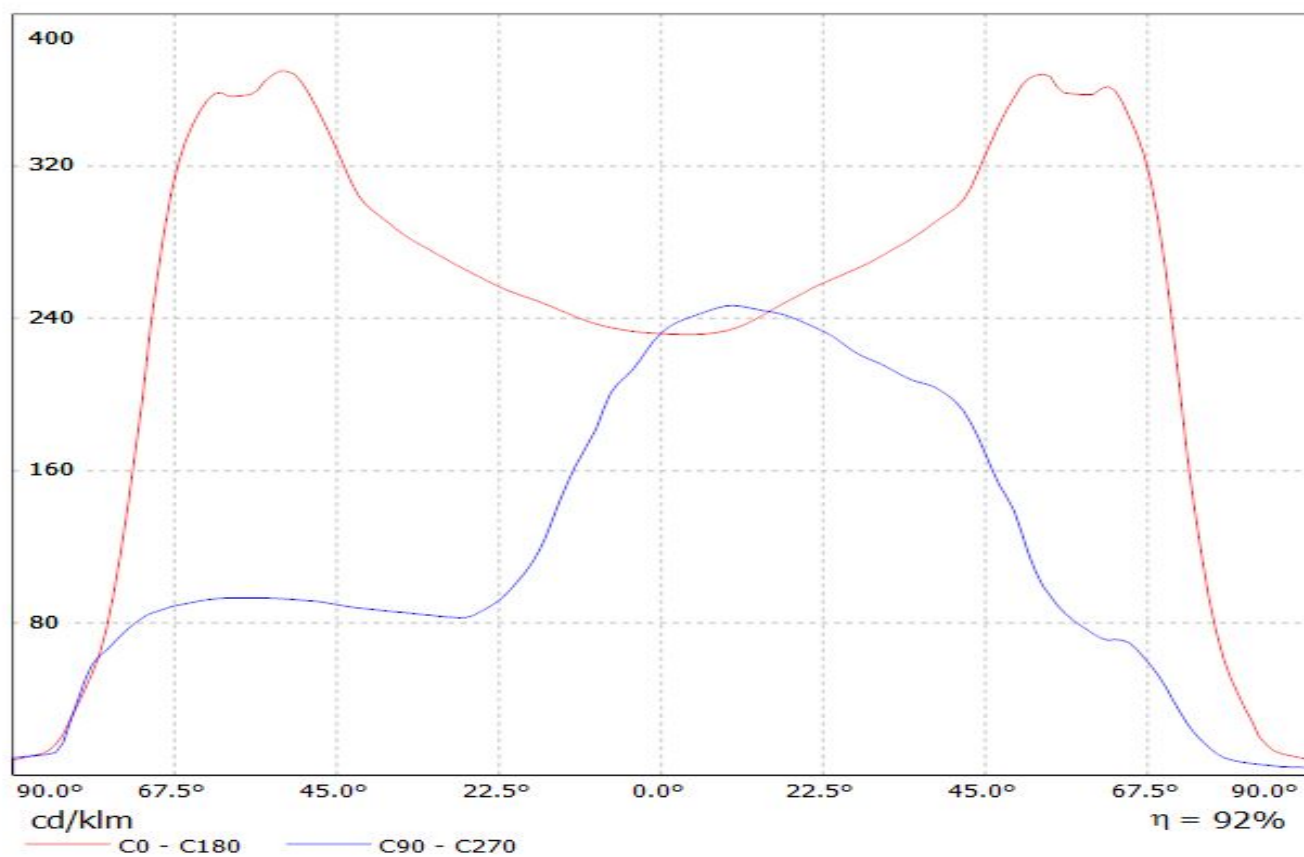
Luminaire: LEDiL Oy FN13323_STELLA-A_(CXA1507) Eff. 92%
Lamps: 1 x Cree_CXA1507_(CXA1507-30F-F2-N0A-0000) 220lm@50mA CCT=3000K P=2W I=50mA



Luminaire: LEDiL Oy FN13323_STELLA-A Eff. 92%
Lamps: 1 x VERO13 (BXRC-30E4000F) 819lm@250mA CCT=3000K P=7.5W I=250mA



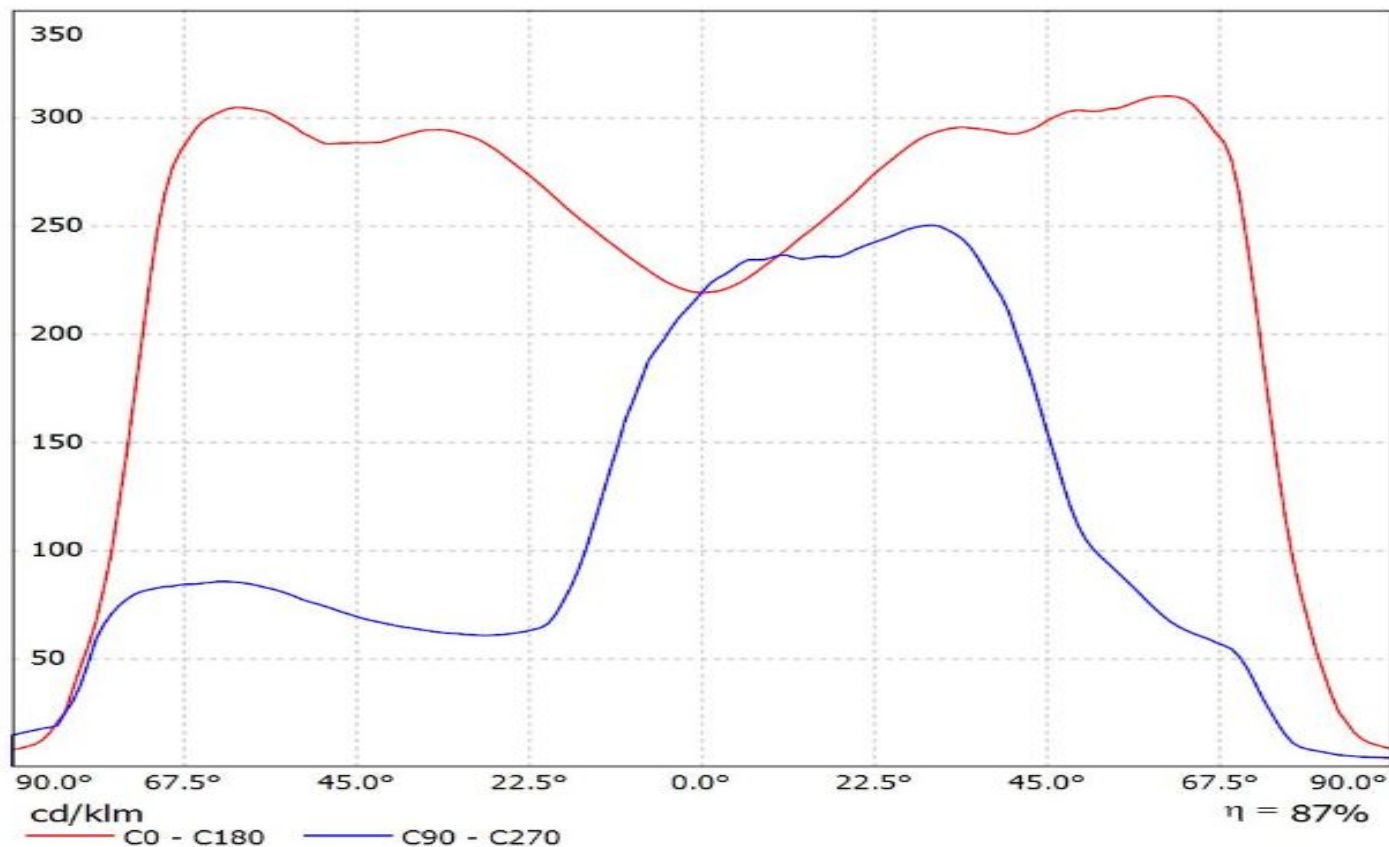
Luminaire: LEDiL Oy FN13323_STELLA-A (VERO18) Eff. 92%
Lamps: 1 x VERO18 (BXRC-30E4000F)786lm@250mA CCT=3000K P=6.84W I=250mA



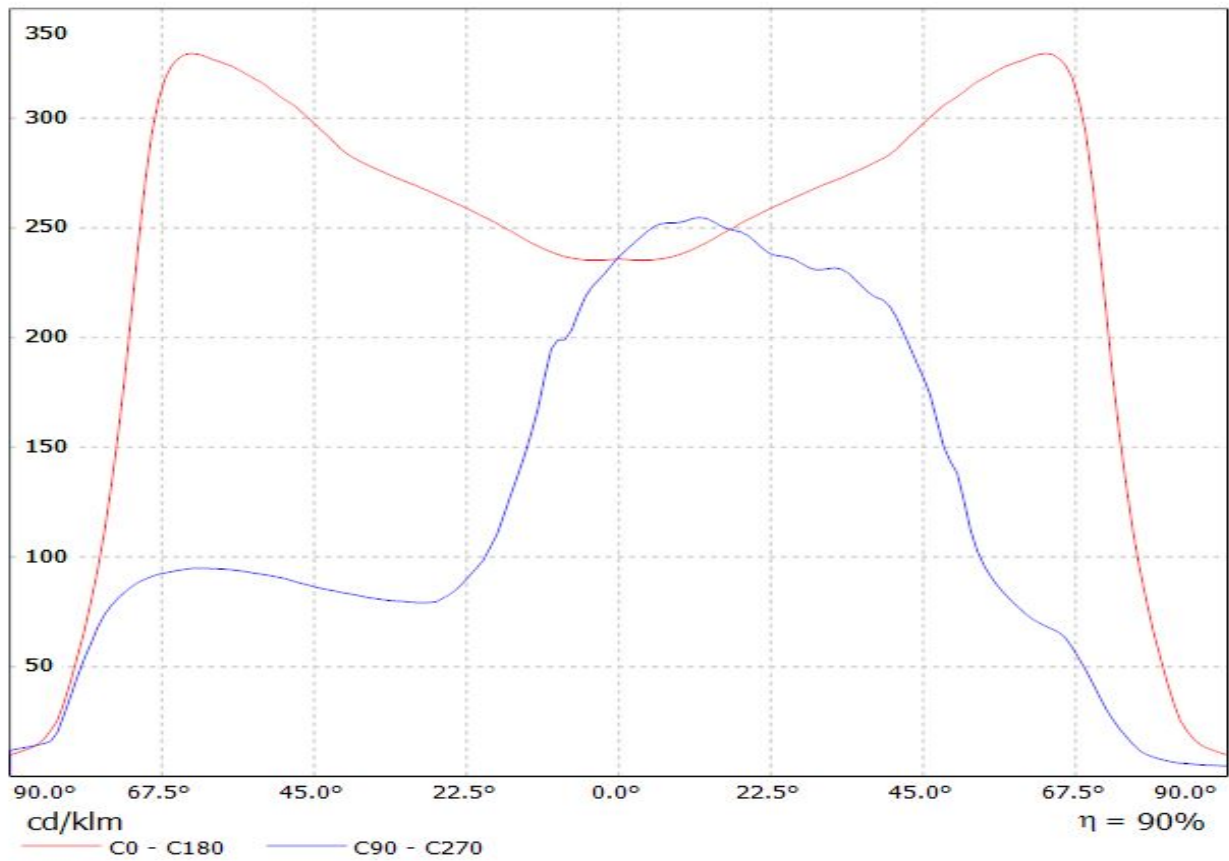
LEDiL Oy FN13323_STELLA-A_(CXA1816) Eff.87.1% / LDC (Linear)

Luminaire: LEDiL Oy FN13323_STELLA-A_(CXA1816) Eff.87.1%

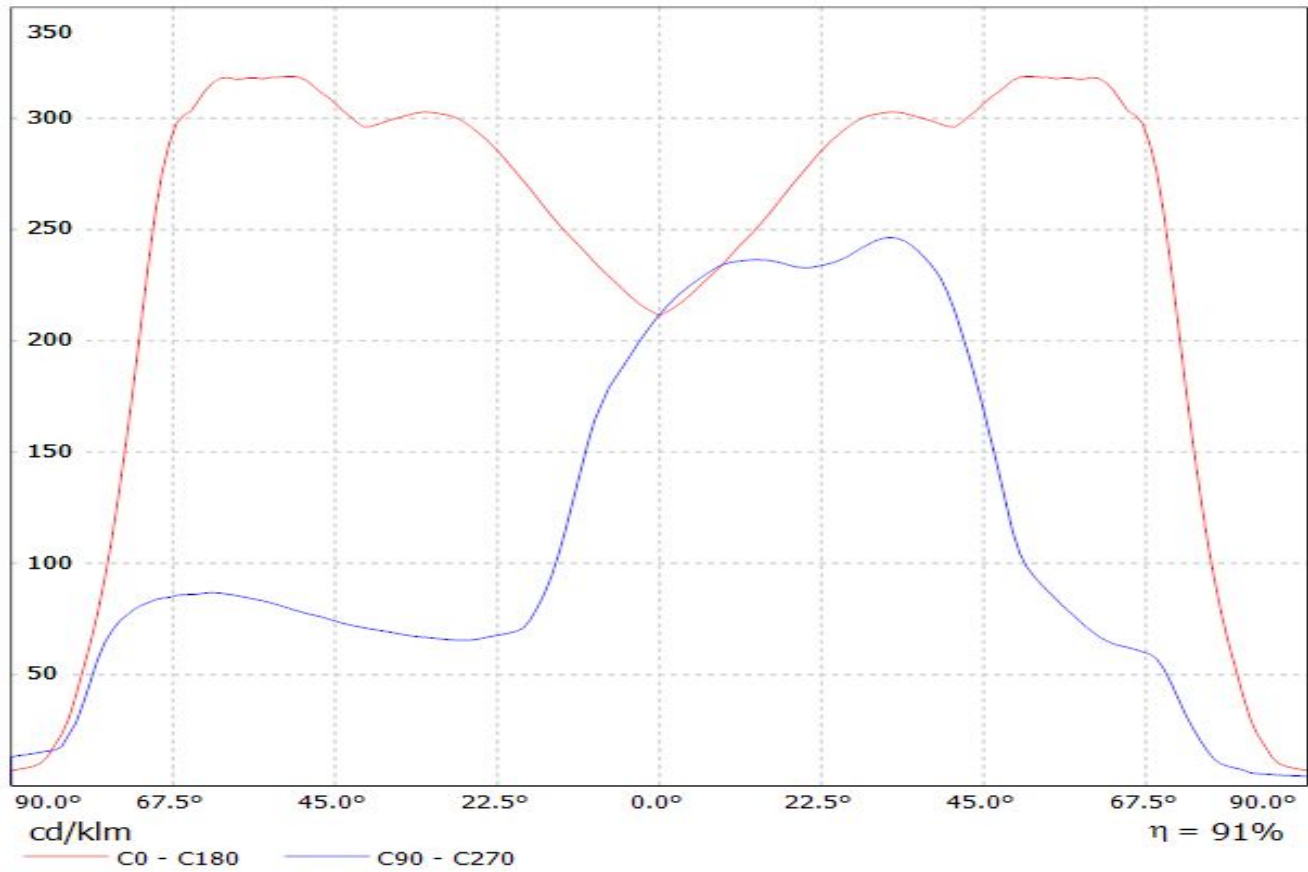
Lamps: 1 x CREE_CXA1816_1075.33lm@250mA_P=8.66981W_I=249.8mA



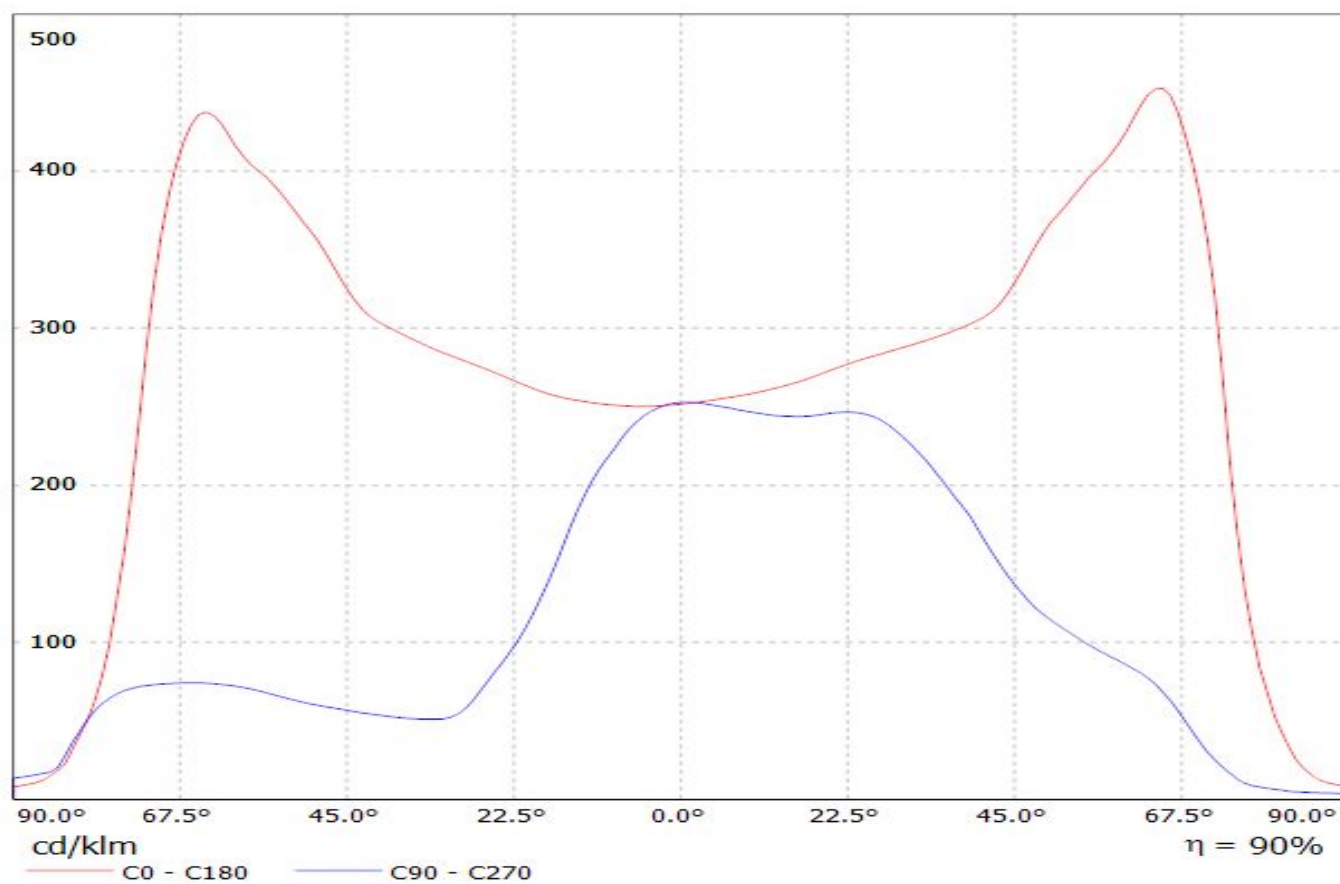
Luminaire: LEDiL Oy FN13323_STELLA-A_(SOLERIQ_S19)
Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)_1340.3lm@250mA_CCT=3000K_P=10.4491W_I=249.8mA



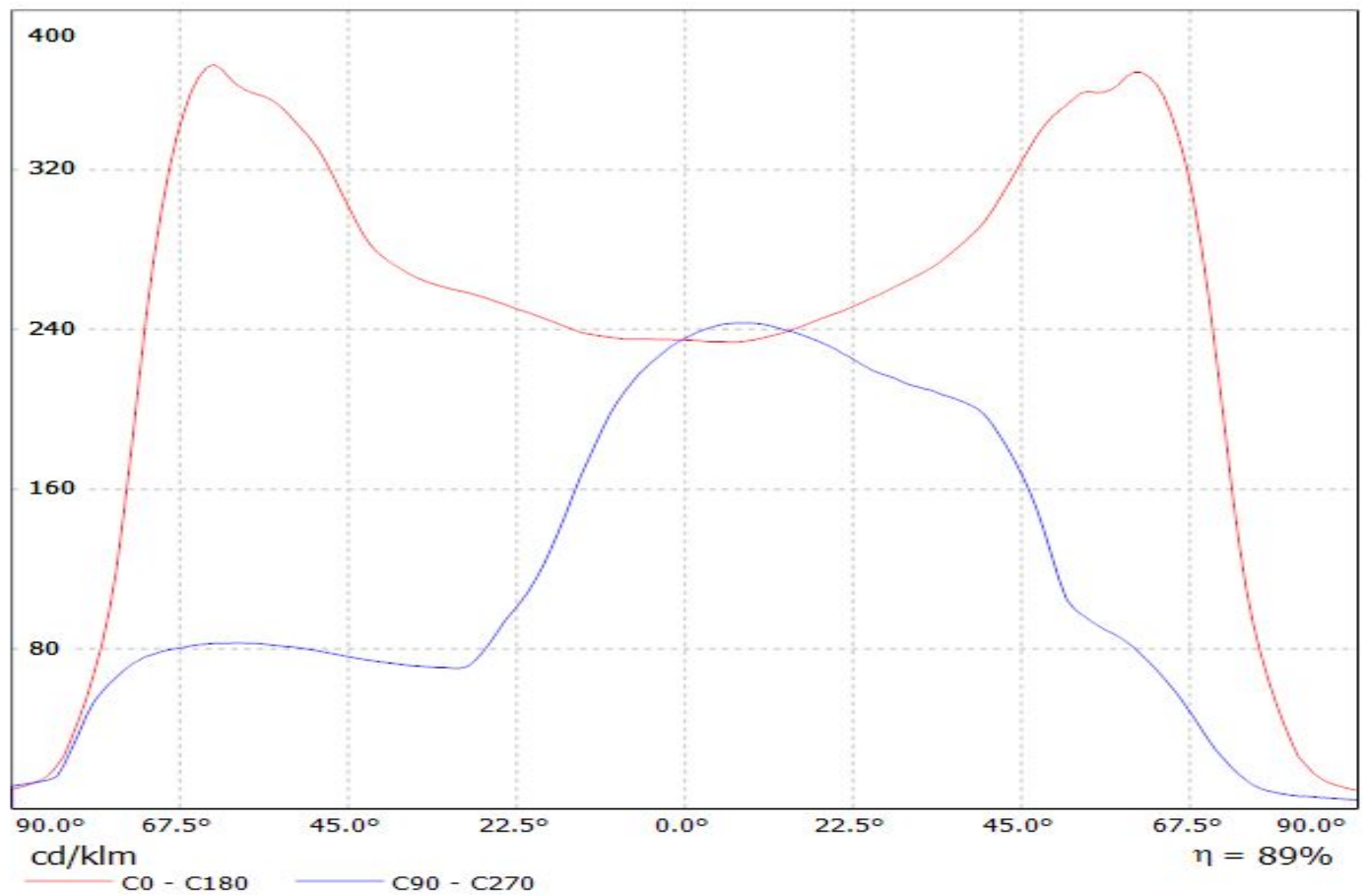
Luminaire: LEDiL Oy FN13323_STELLA-A_(Soleriq_S13)
Lamps: 1 x Osram_Soleriq_S13_802.964lm@250mA_CCT=3125K_P=7.26069W_I=249.8mA



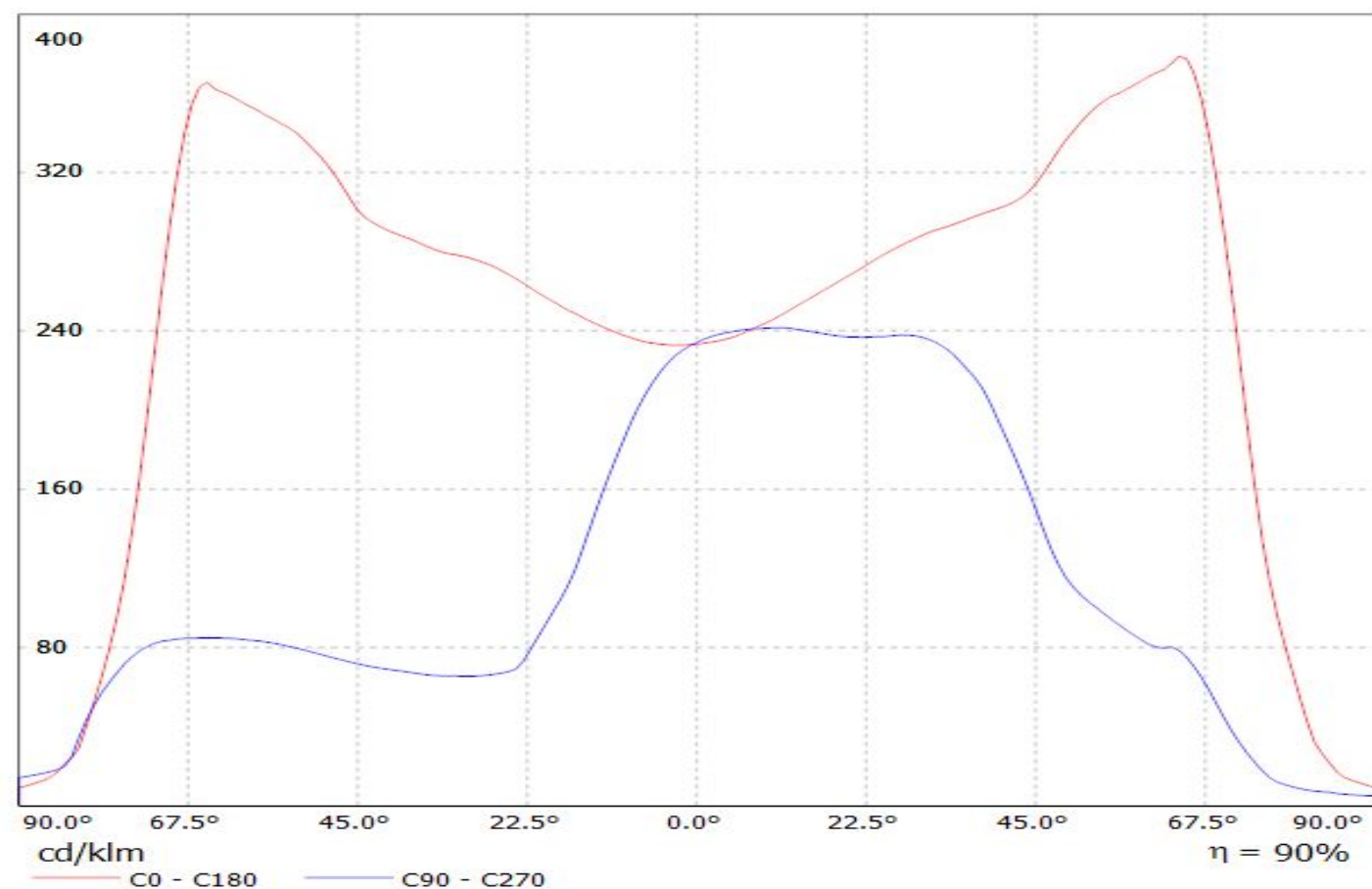
Luminaire: LEDiL Oy FN13323_STELLA-A (Megazenigata_GW6D) Eff.89.9%
Lamps: 1 x SHARP_Megazenigata_(GW6DMC40NFC)_1072.13lm@250mA_P=8.51443W_I=249.8mA



Luminaire: LEDiL Oy FN13323_STELLA-A_(CXM-18) Eff.89.2%
Lamps: 1 x LUMINUS_XNOVA_CXM-18_897.842lm@250mA_P=8.12425W_I=249.9mA

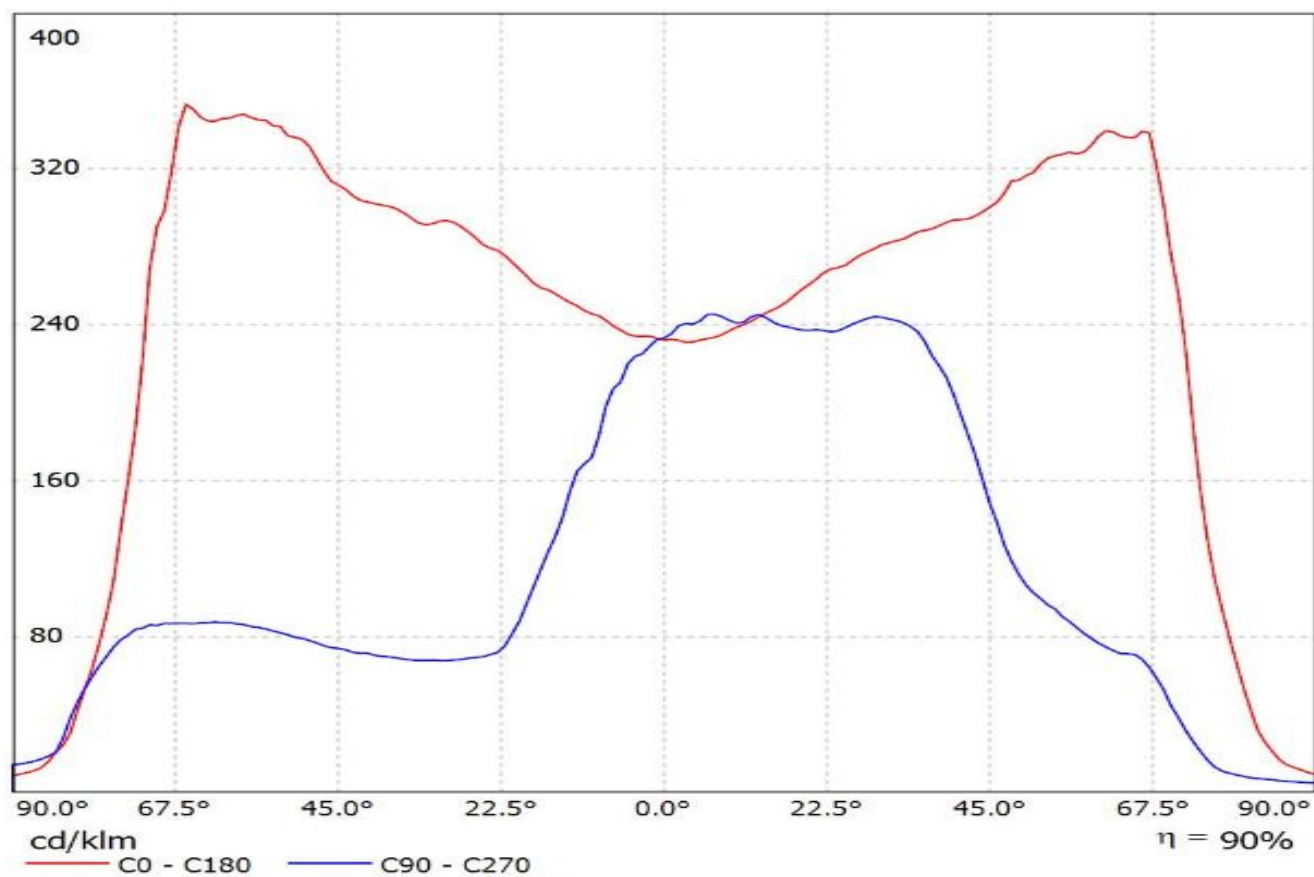


Luminaire: LEDiL Oy FN13323_STELLA-A_(CXM-14)
Lamps: 1 x LUMINUS_XNOVA_CXM-14_(AC00)
_1064.17lm@250mA_CCT=3133K_P=8.33558W_I=249.8mA



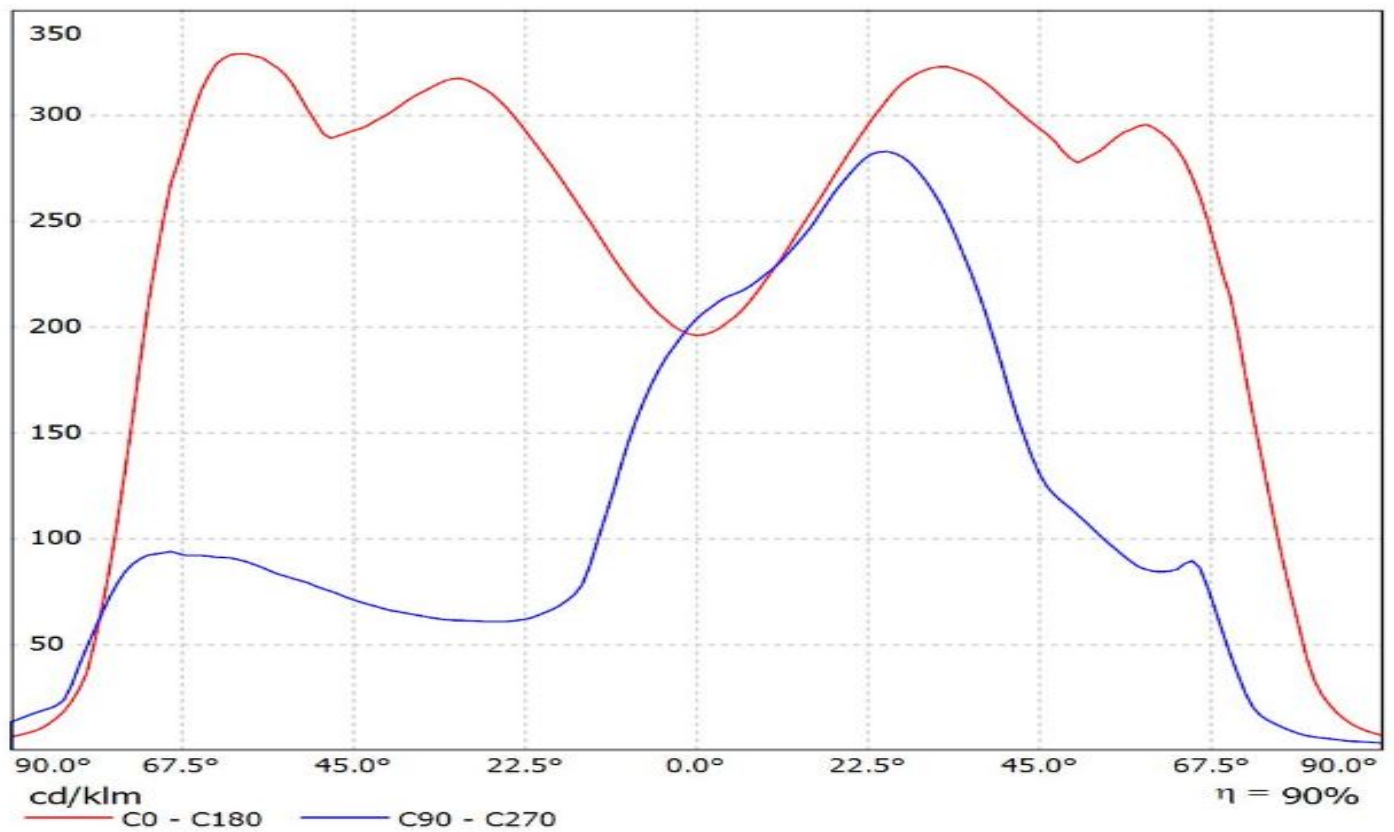
Luminaire: LEDiL Oy FN13323_STELLA-A_(SOLERIQ_P13)

Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_929.576lm@250mA_CCT=3500K_P=8.72876W_I=249.8mA



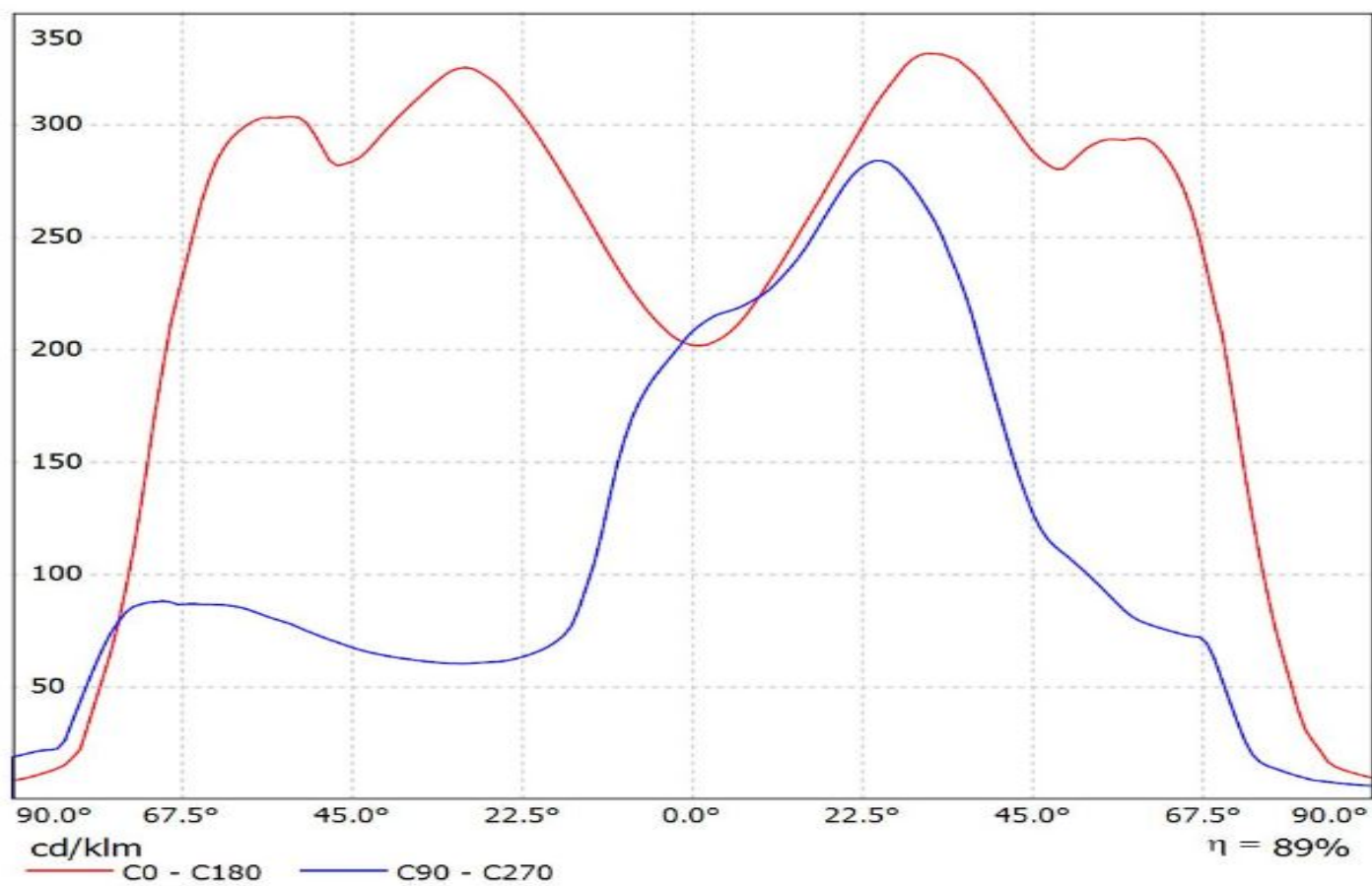
Ledil FN13323_STELLA-A_(NFCLL036B) / LDC (Linear)

Luminaire: Ledil FN13323_STELLA-A_(NFCLL036B)
Lamps: 1 x Nichia_NFCLL036B_(SM403J1300R8000)
_563.488lm@100mA_CCT=4000K_P=3.35W_I=0.100A



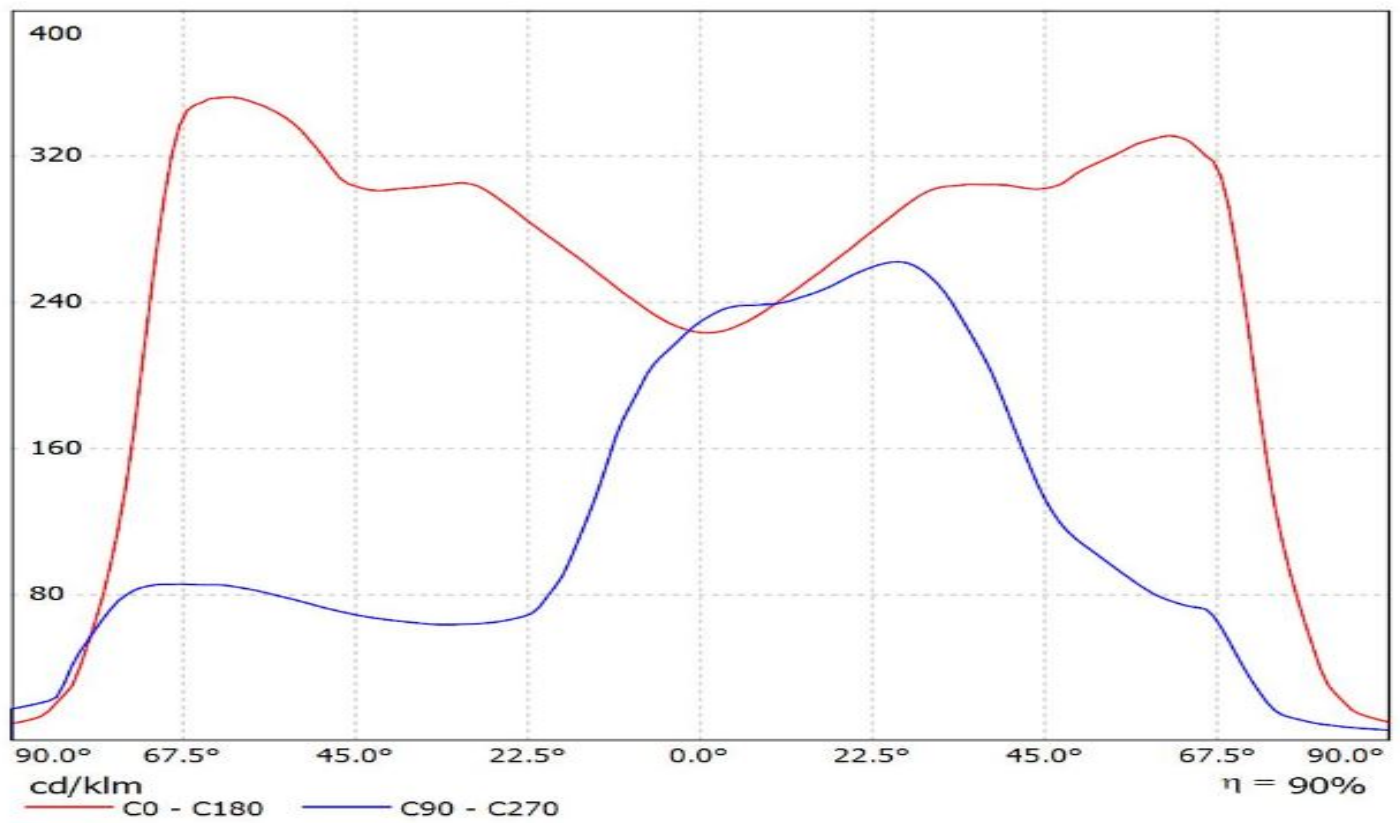
Luminaire: Ledil FN13323_STELLA-A_(CLU710)

Lamps: 1 x CITIZEN_CLU710_(CLU710-1204B8-273M2G1)_1212.66lm@250mA_P=8.5W_I=0.25A



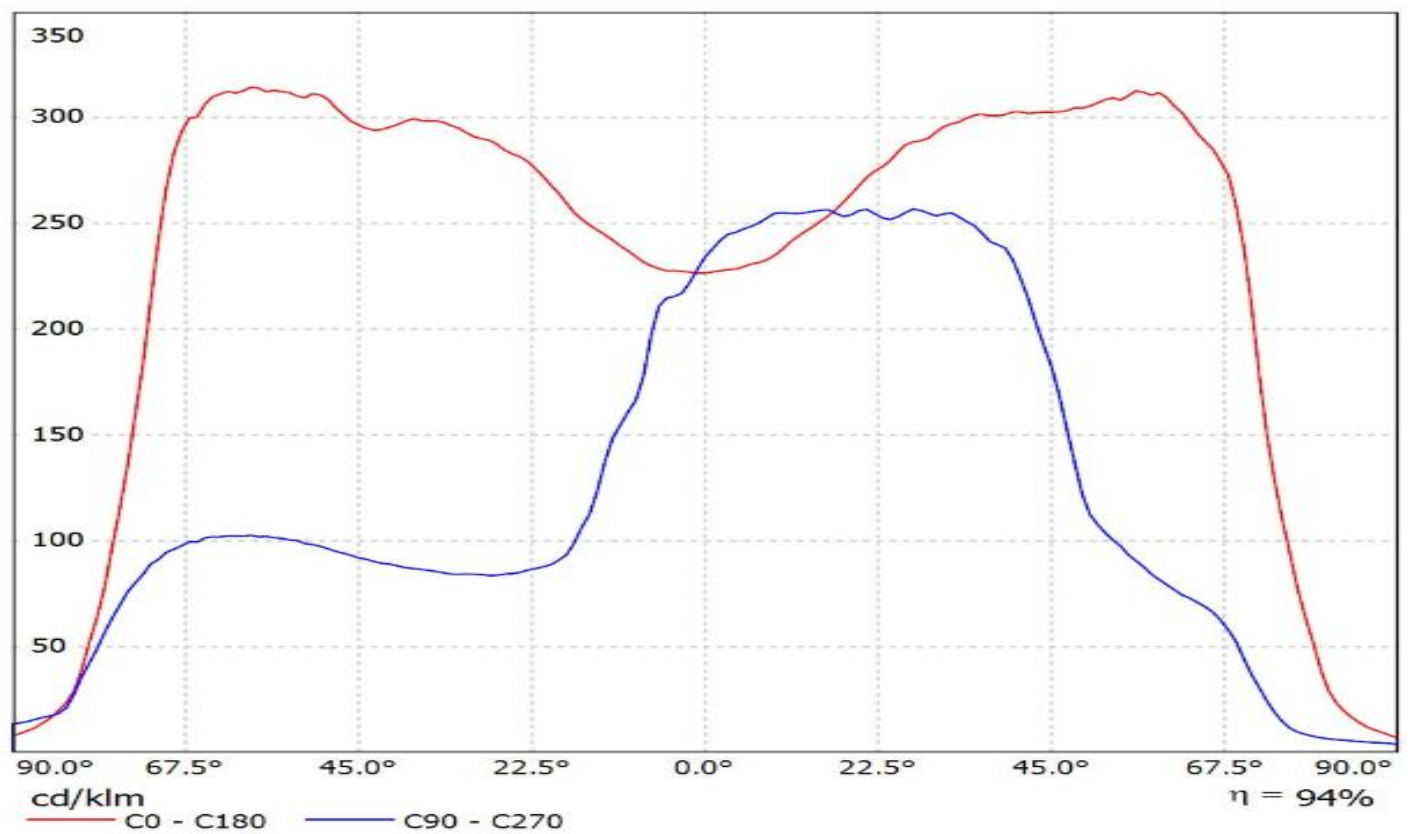
Ledil FN13323_STELLA-A_(CLU720) / LDC (Linear)

Luminaire: Ledil FN13323_STELLA-A_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



Ledil FN13323_STELLA-A_(P13) / LDC (Linear)

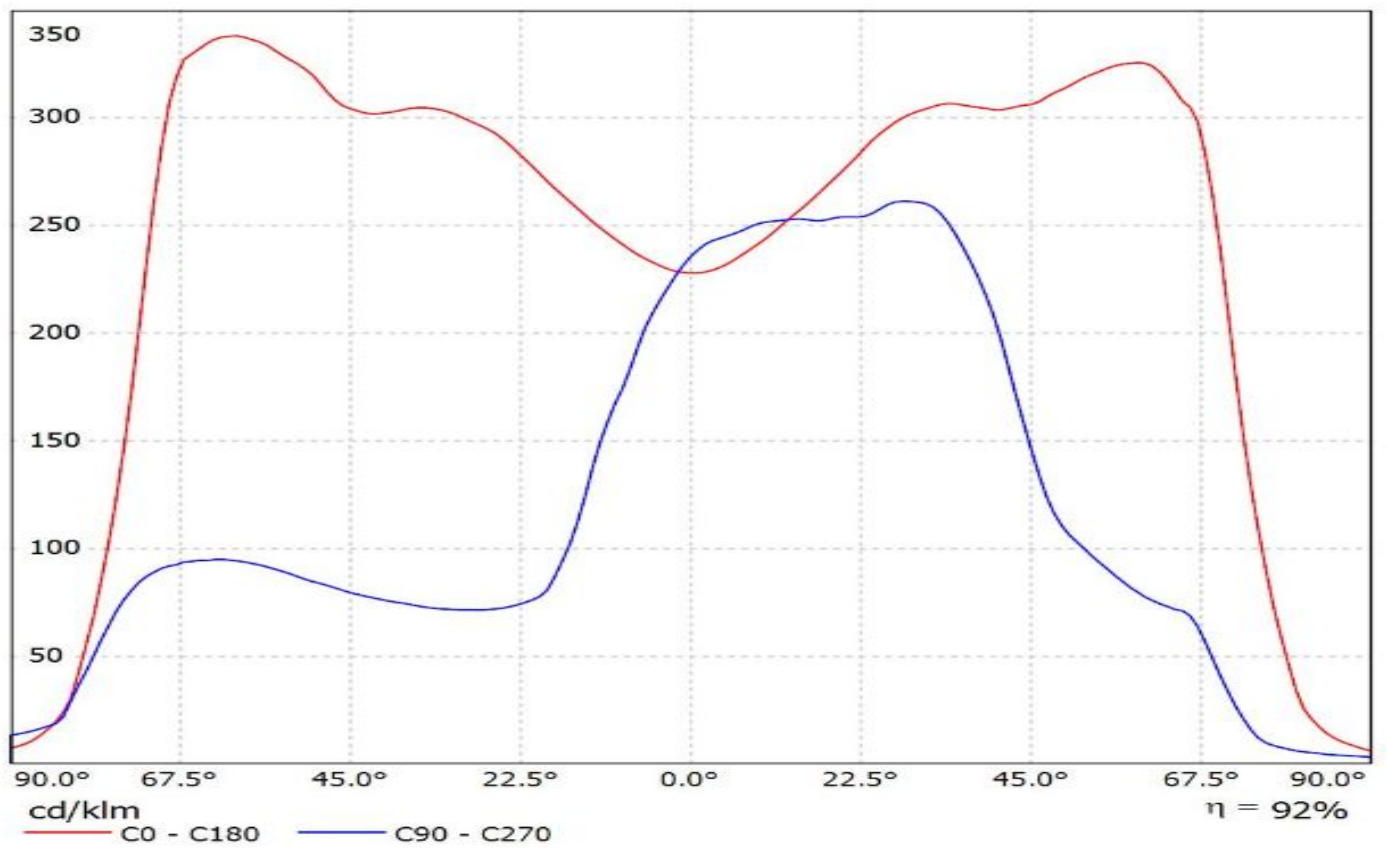
Luminaire: Ledil FN13323_STELLA-A_(P13)
Lamps: 1 x Osram Soleriq P13 (GW MAGMB1.EM)
_929.576lm@250mA_CCT=3500K_P=8.72876W_I=249.8mA



Ledil FN13323_STELLA-A_(Soleriq_S13) / LDC (Linear)

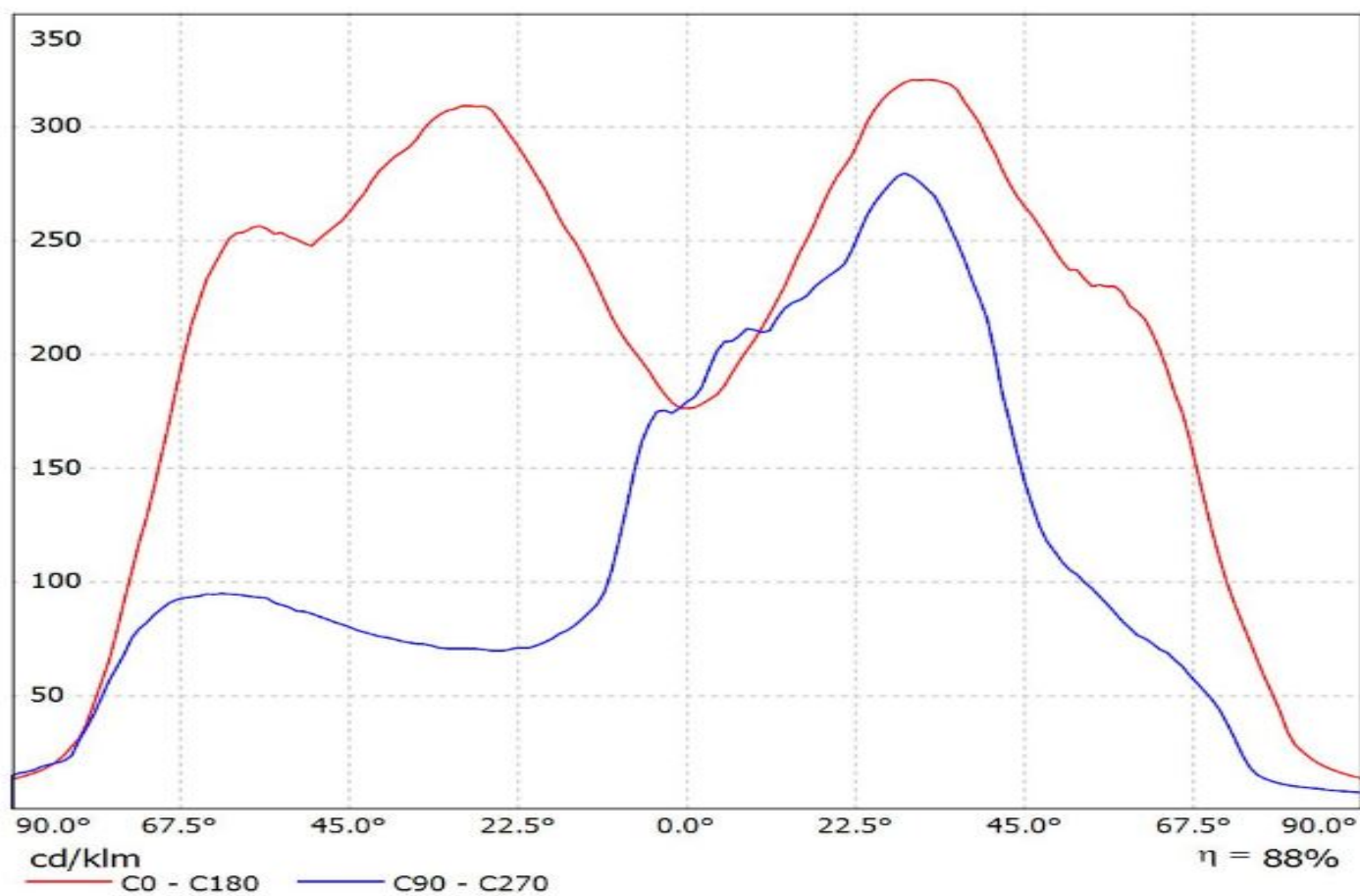
Luminaire: Ledil FN13323_STELLA-A_(Soleriq_S13)

Lamps: 1 x Osram_Soleriq_S13_(GW_KAGHB1.EM)_875.214lm@250mA_P=7.44679W_I=250mA

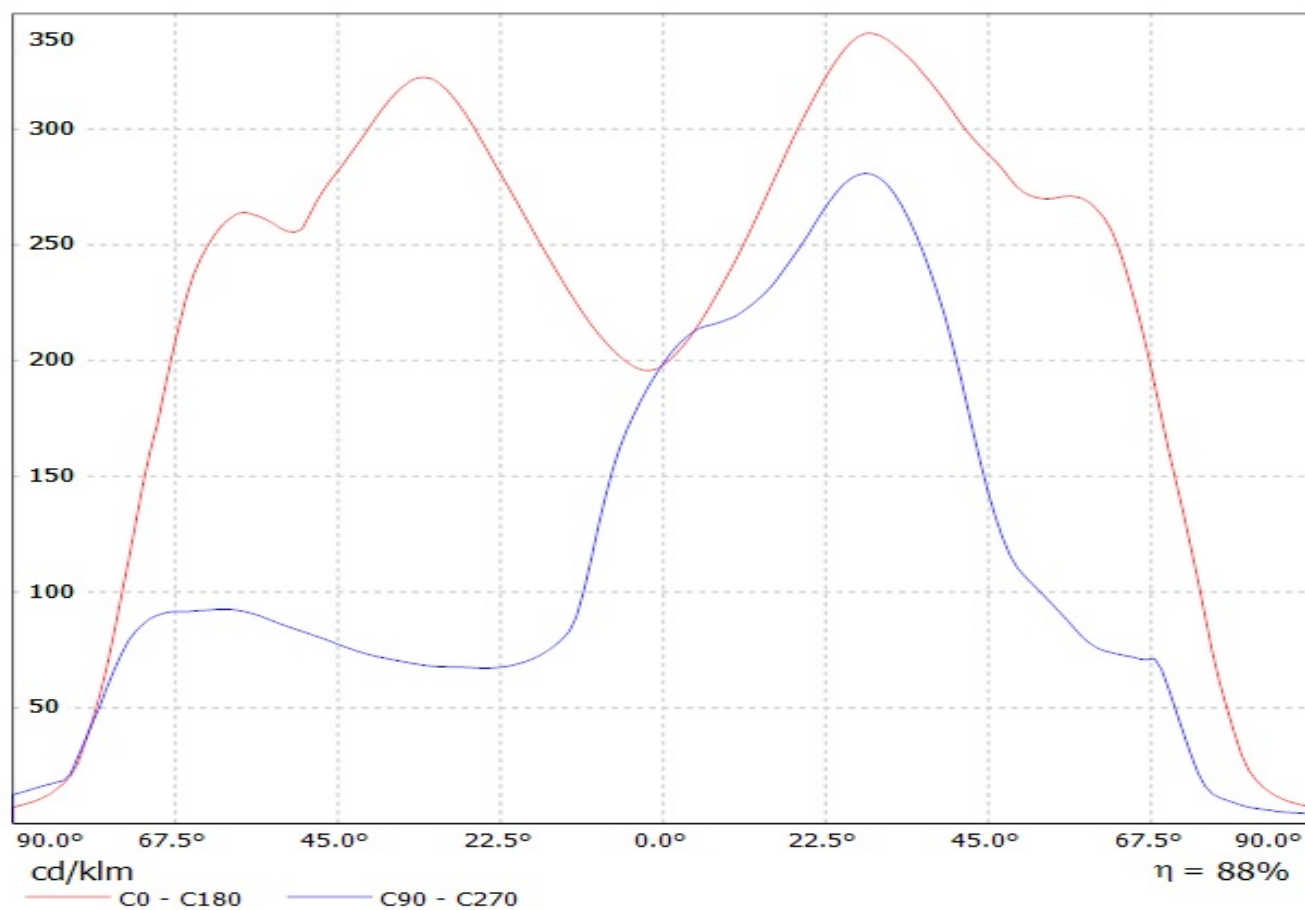


Luminaire: Ledil FN13323_STELLA-A_(Soleriq_P9)

Lamps: 1 x Osram_Solericq_P9_(GW_MAFJB1.EM)_976.011lm@250mA_CCT=4299K_P=6.9W_I=0.25A

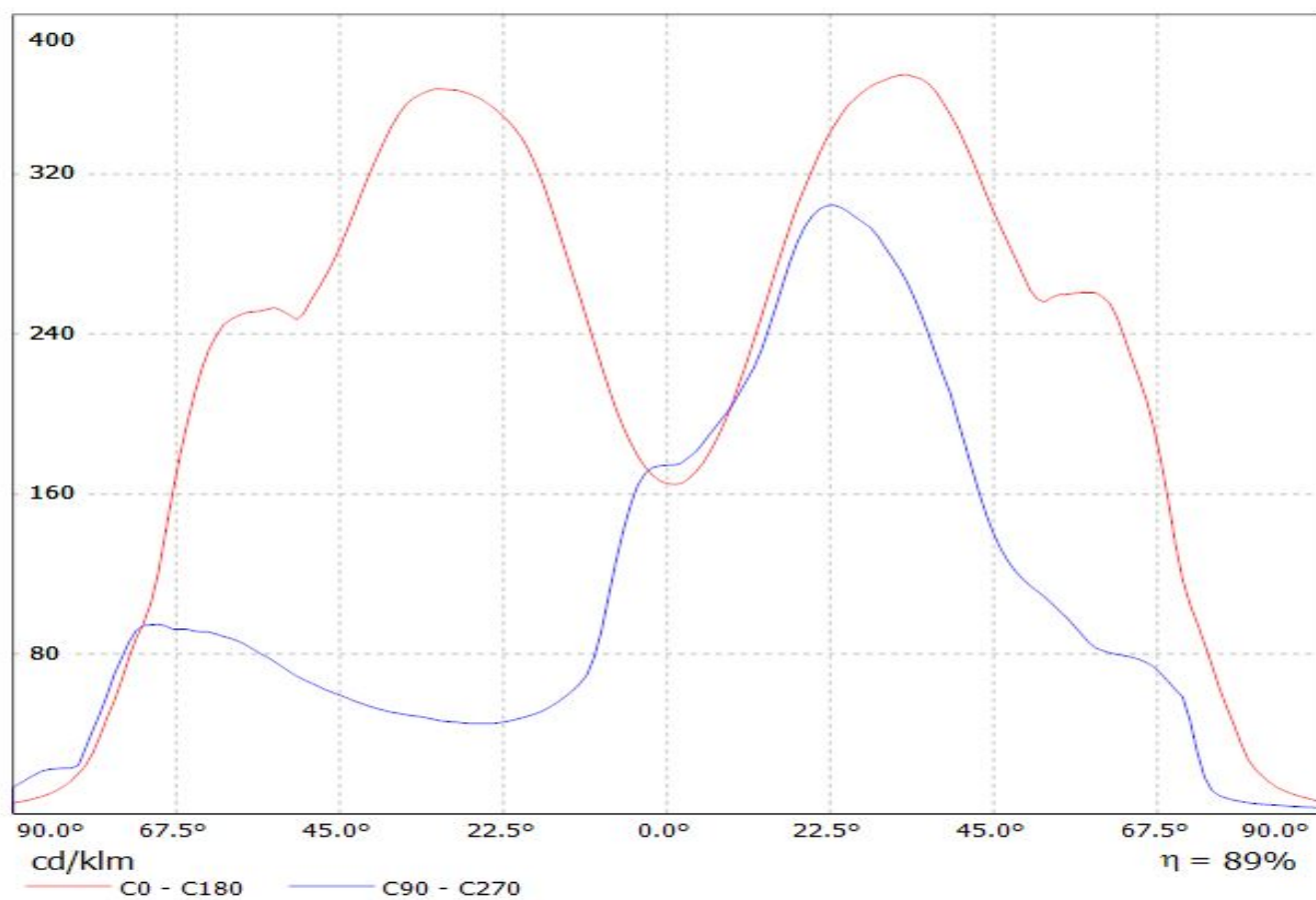


Luminaire: LEDiL Oy FN13323_STELLA-A (Luxeon_CoB_1203) (438_Typ_L1)
Lamps: 1 x Luxeon_CoB_1203_(LHC1-3080-1203)_(438_Typ_L1)_1005.18lm@250mA_P=8.69829W_I=0.2498A



Luminaire: Ledil FN13323_STELLA-A_(CLU700)_(434_Typ_L1)

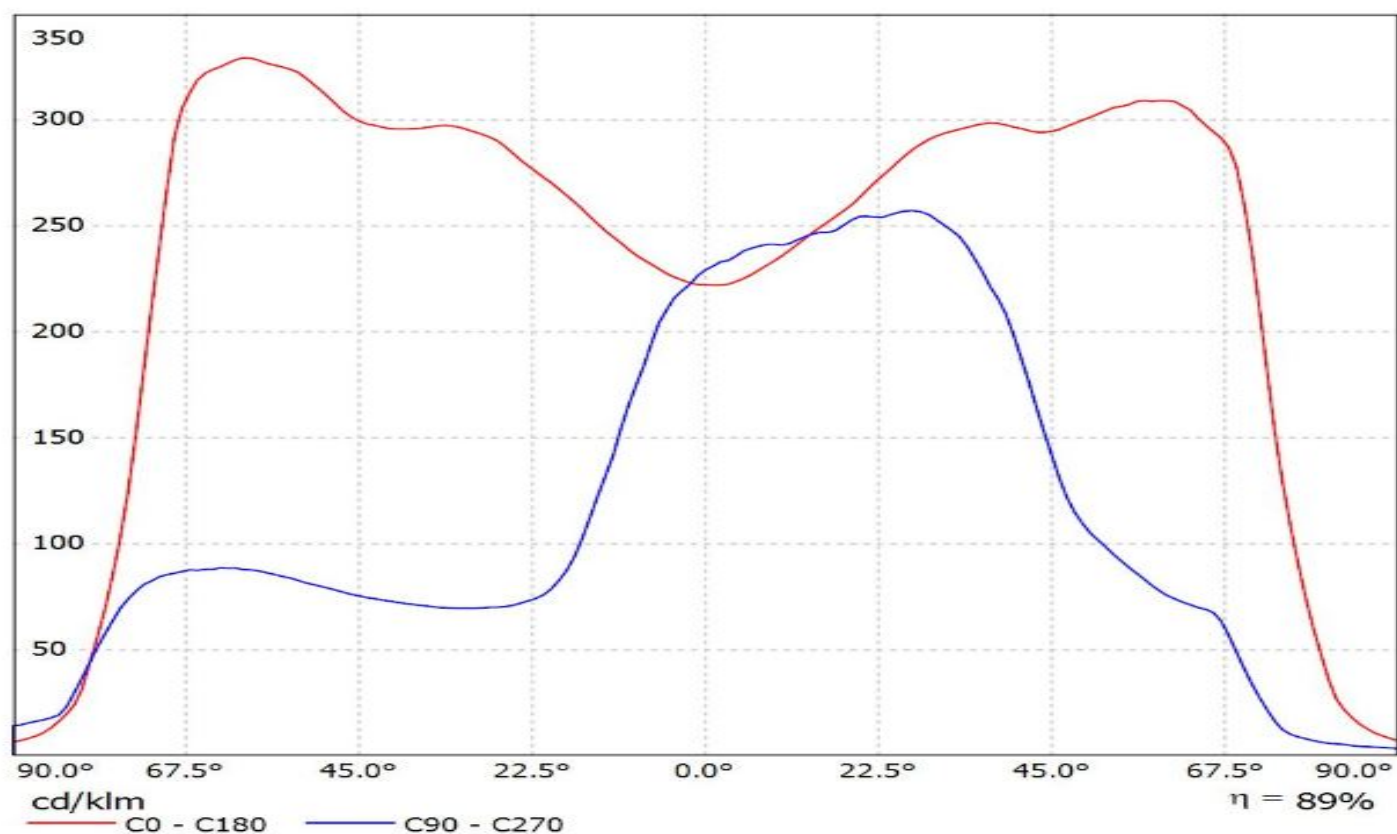
Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_(434_Typ_L1)_390.128lm@100mA_P=3W_I=0.10A



Ledil FN13323_STELLA-A_(CXA1850) / LDC (Linear)

Luminaire: Ledil FN13323_STELLA-A_(CXA1850)

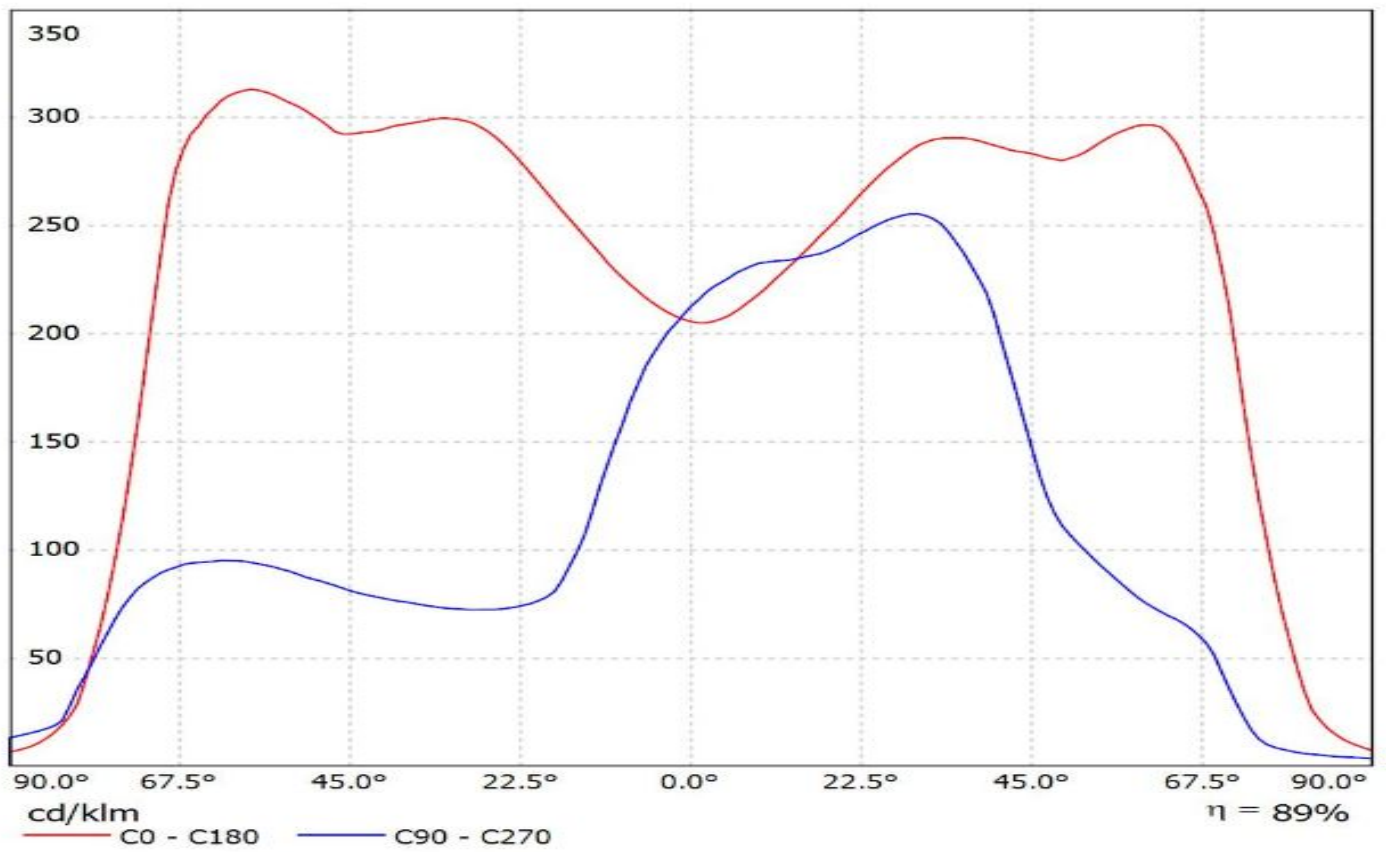
Lamps: 1 x CREE_CXA1850_(CXA1850-30F-T4-N0Y-00001)
_837.004lm@250mA_CCT=3000K_P=8.24W_I=0.25A



Ledil FN13323_STELLA-A_(NFCLL060B) / LDC (Linear)

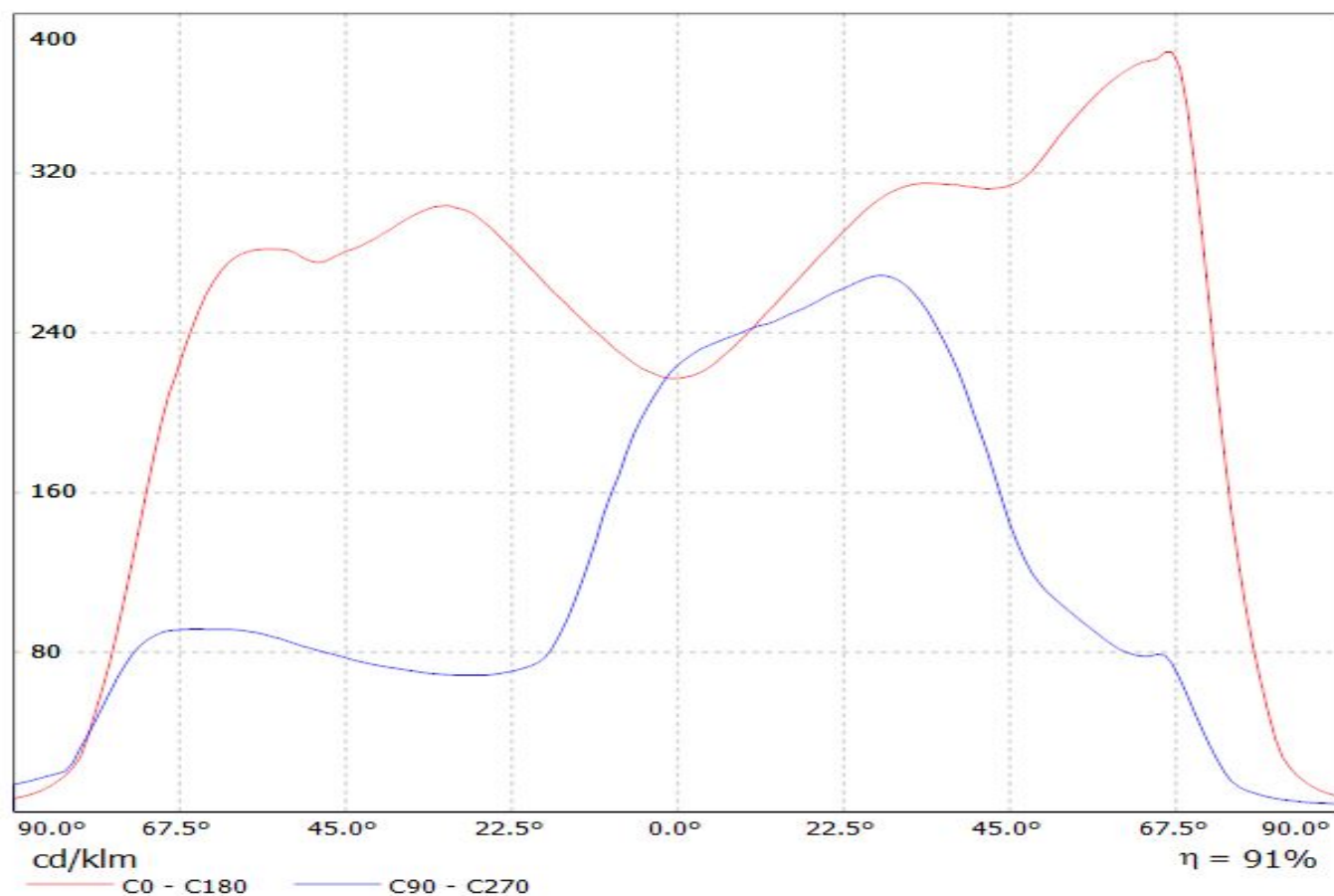
Luminaire: Ledil FN13323_STELLA-A_(NFCLL060B)

Lamps: 1 x Nichia_NFCLL060B_(sm406G2450R8000)_1368.94lm@250mA_P=8.5W_I=0.25A

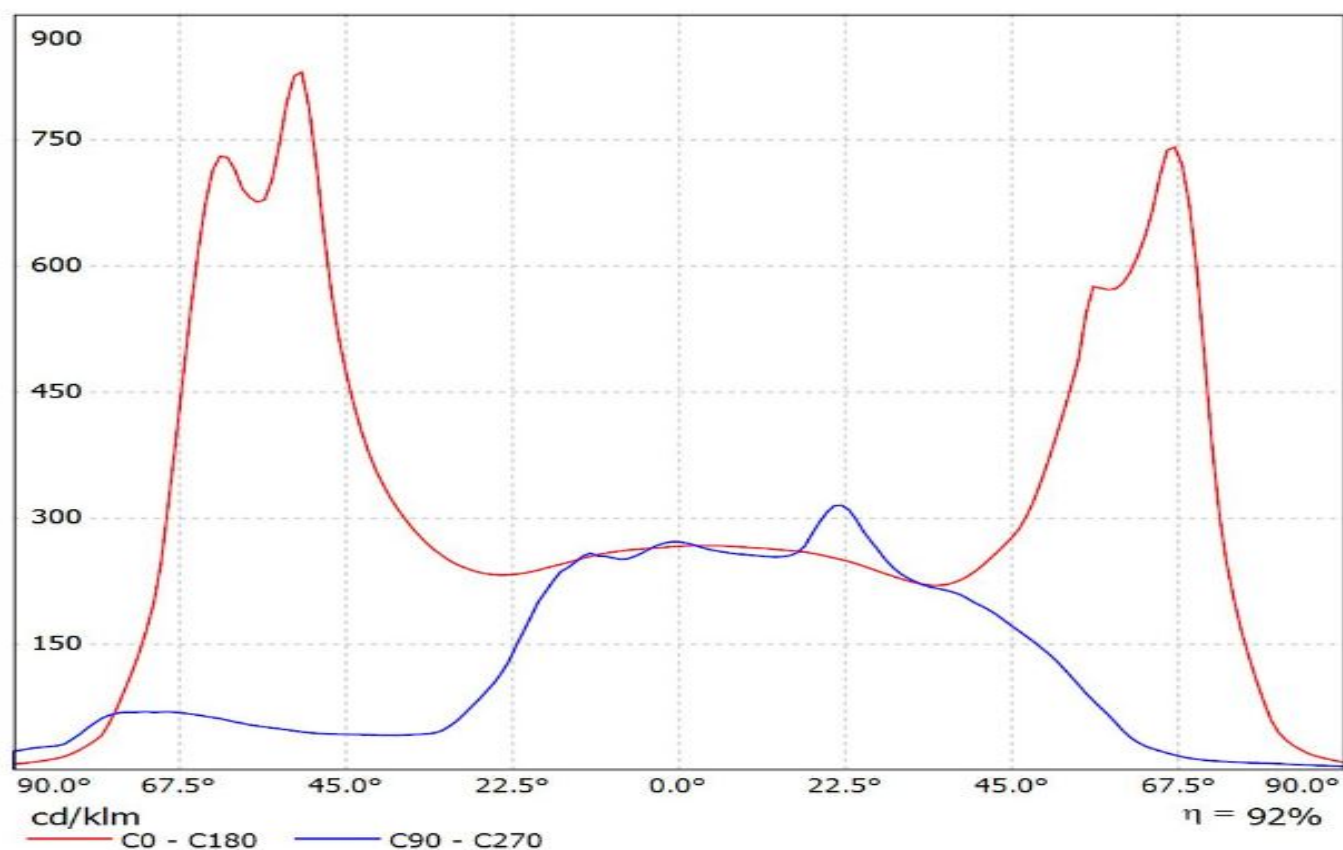


Luminaire: Ledil FN13323_STELLA-A_(CLU720)_(433_Typ_L1)

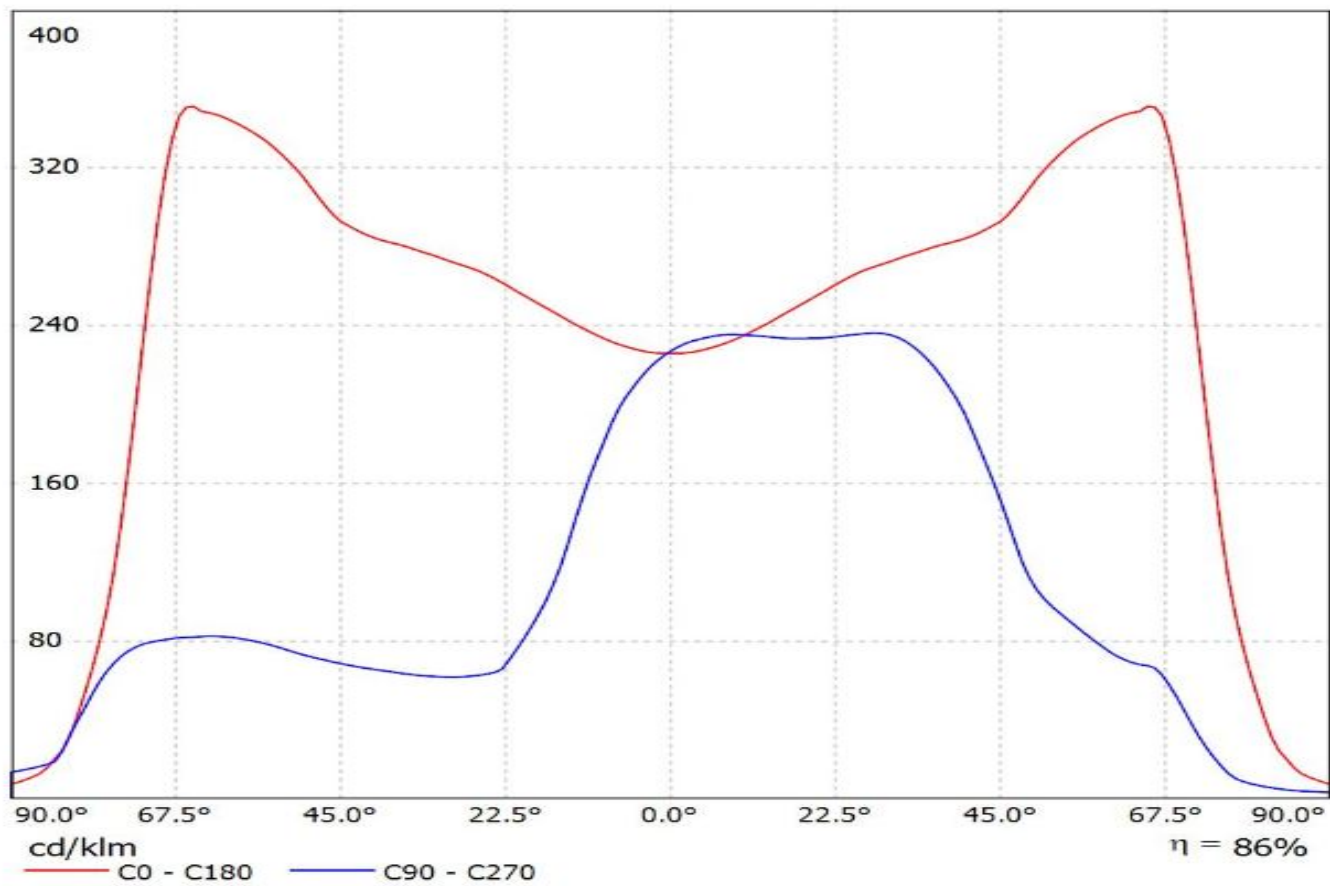
Lamps: 1 x Citizen_CLU720_(CLU720-1206B8-273M2G1)_1204.28lm@250mA_P=8.25W_I=0.25A



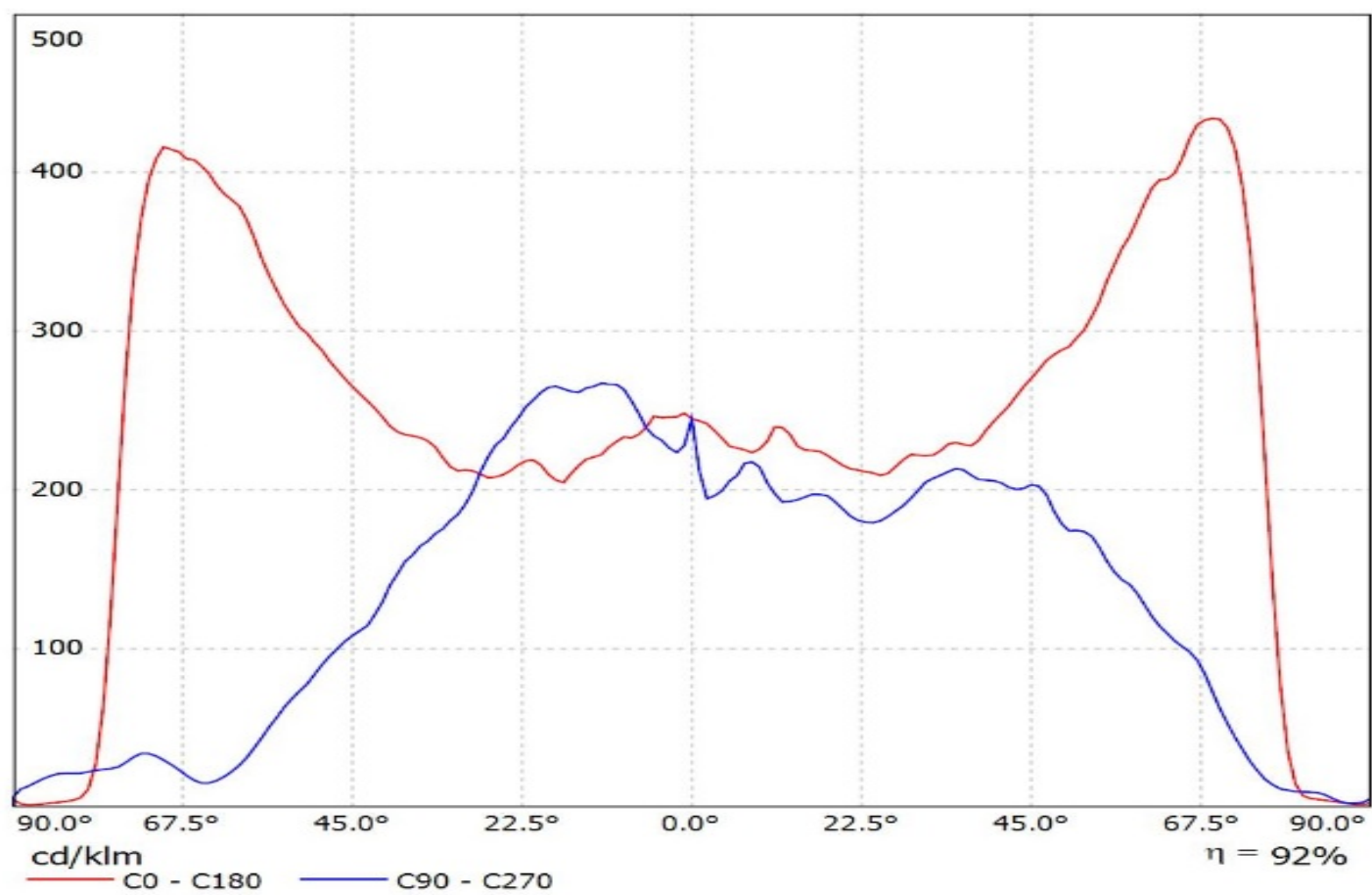
Luminaire: Ledil FN13323_STELLA-A_(CXA1520)_(441_Typ_L1) Citizen_CXA1520_(CXA1520-30F-N4-N0H-00001)_(441_Typ_L1)_1038.48lm@250mA_P=8.8025W_I=0.25A
Lamps: 1 x Citizen_CXA1520_(CXA1520-30F-N4-N0H-00001)_(441_Typ_L1)
_1038.48lm@250mA_P=8.8025W_I=0.25A



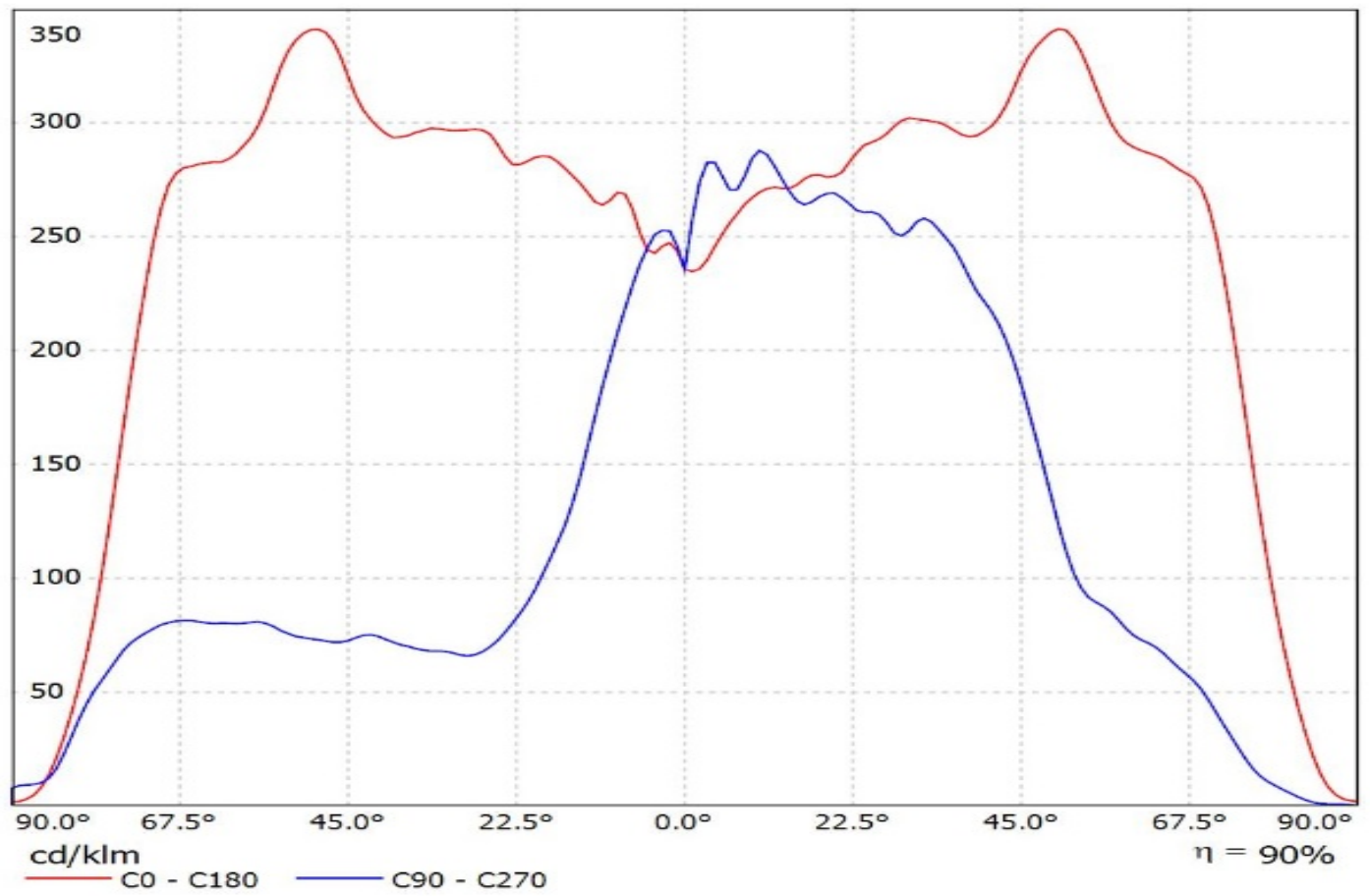
Luminaire: LEDiL Oy FN13323_STELLA-A_(SLE-G5_LES-15)
Lamps: 1 x Tridonic_SLE-G5_LES-15_1280.24lm@250mA_P=8.6273W_I=0.250A



Luminaire: Ledil Oy FN14976_STELLA-DWC2_(CLU028)_SIMULATED
Lamps: 1 x Citizen CLU028-1204C4-303M2K1

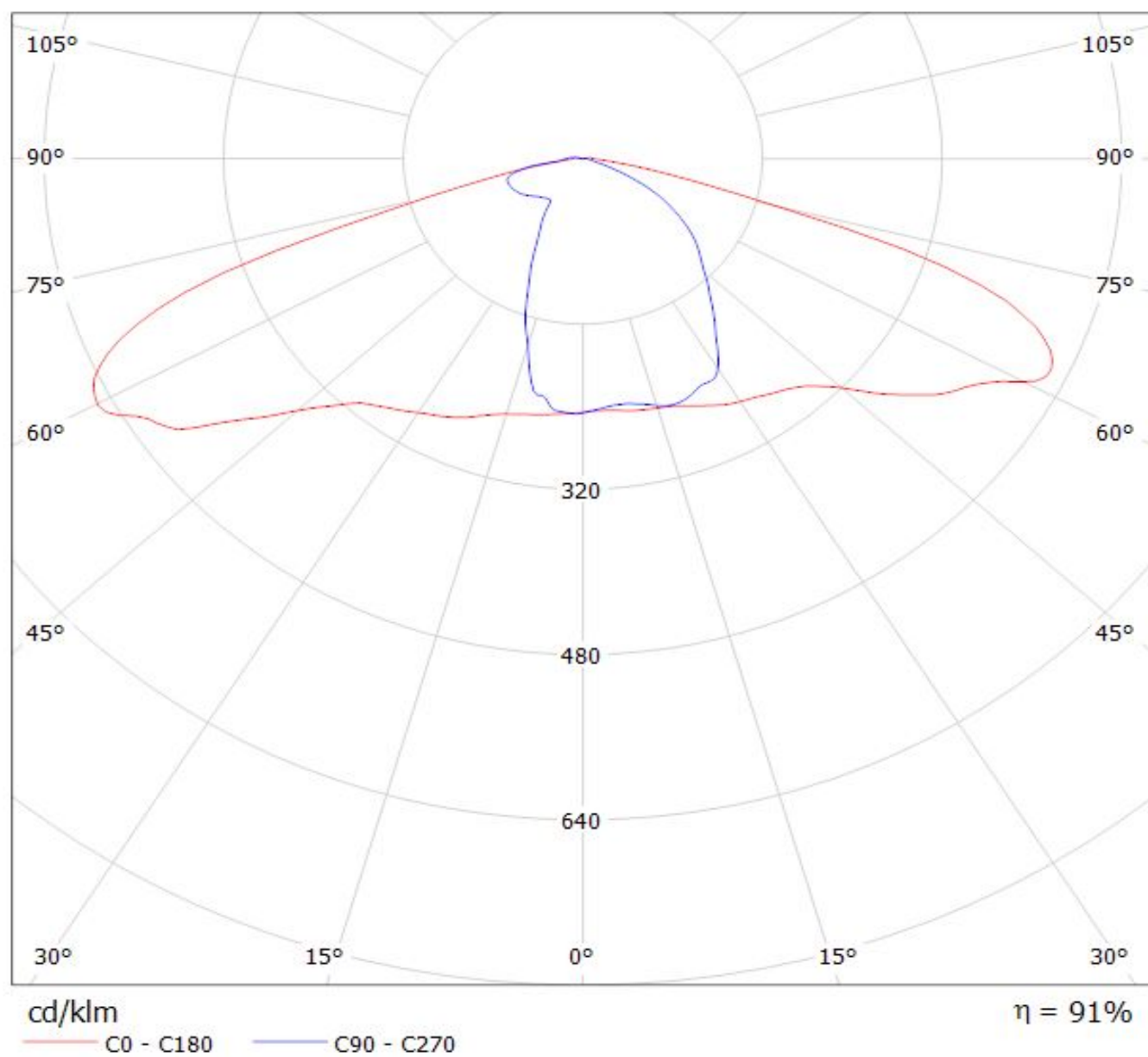


Luminaire: Ledil Oy FN13323_STELLA-A_(CLU038)_SIMULATED
Lamps: 1 x Citizen CLU038



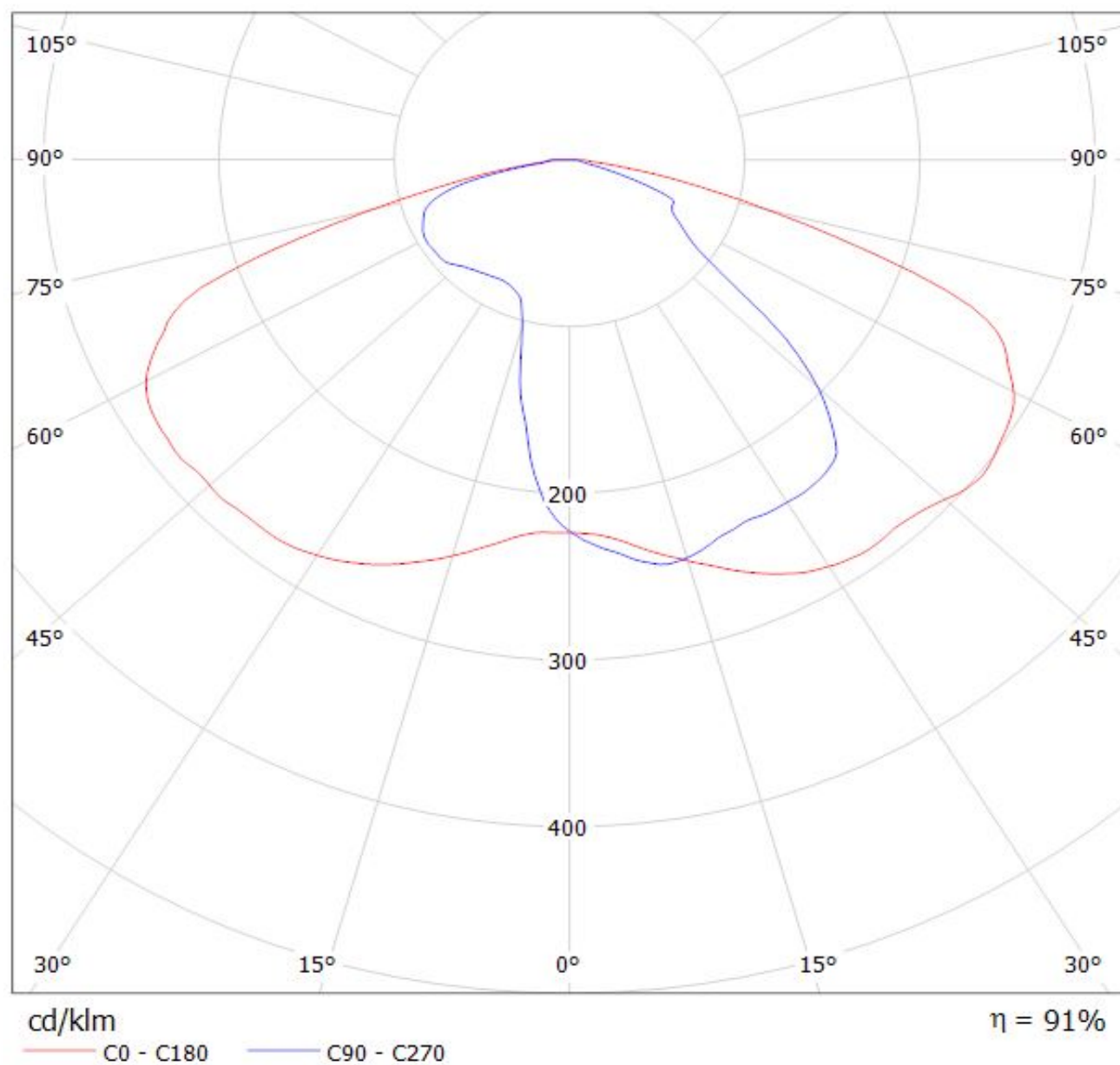
Luminaire: LEDiL Oy FN13323_STELLA-A_(V15)

Lamps: 1 x Bridgelux_V15_1050.21lm@250mA_P=8.19169W_I=249.8mA



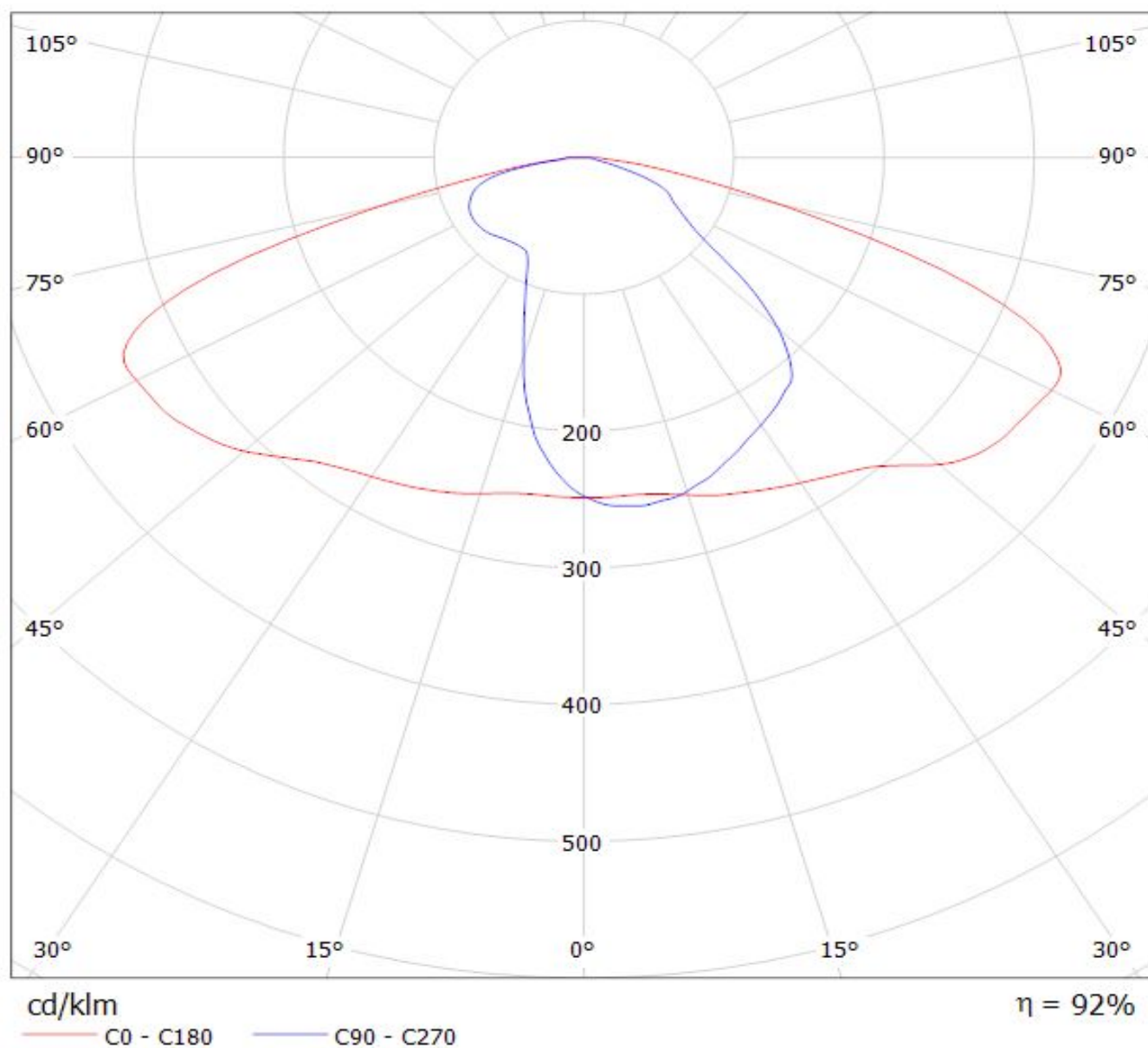
Luminaire: LEDiL Oy FN13323_STELLA-A_(CLL030) Eff. 92%

Lamps: 1 x Citizen_CLL030_(CLL030-1205A5-303H1A7) 690lm@250mA CCT=3000K P=9W I=250mA

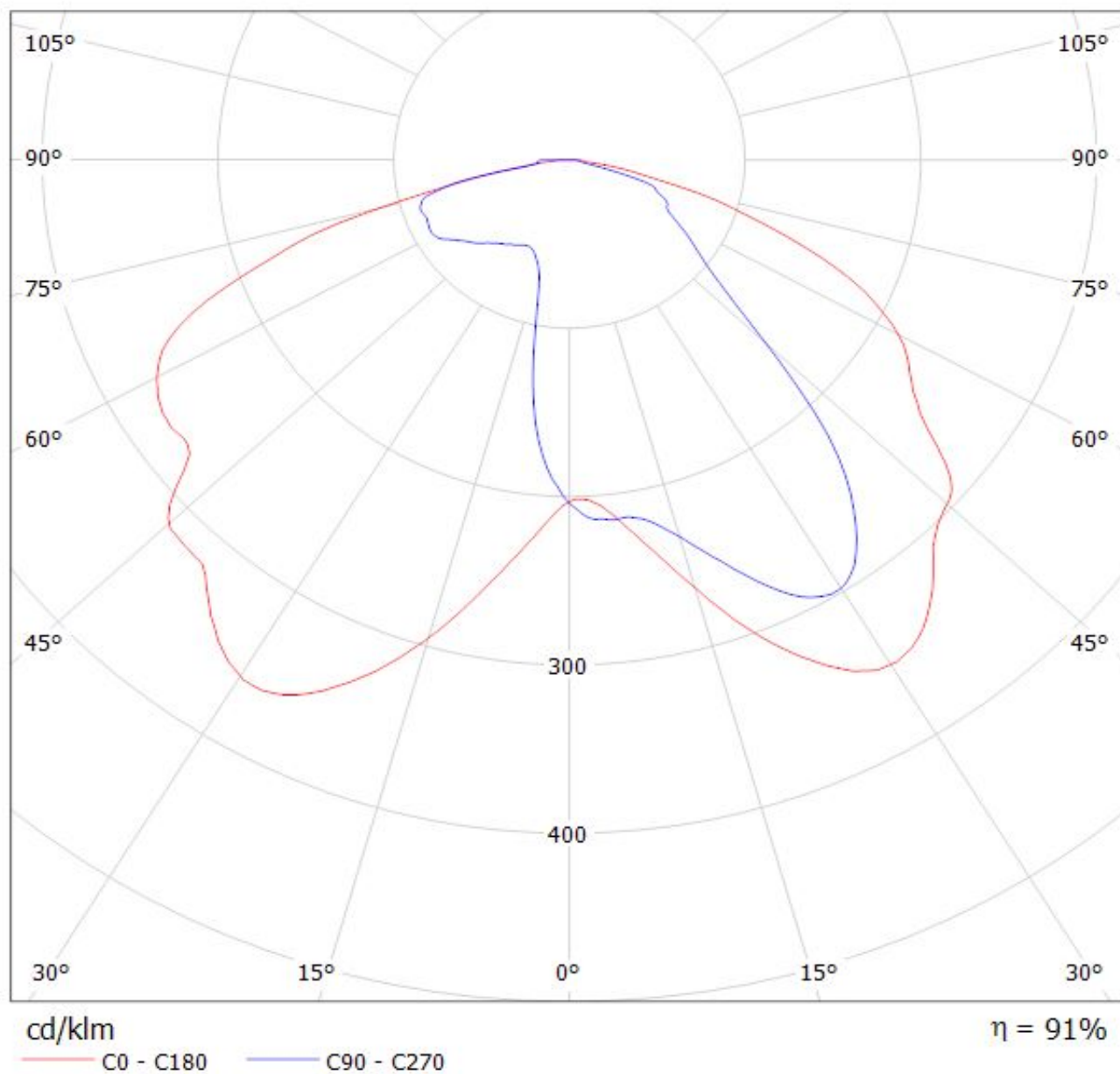


Luminaire: LEDiL Oy FN13323_STELLA-A_(CXA25) Eff. 93%

Lamps: 1 x CREE_CXA25 (CXA2530-7C0-T2-N0H)1100lm@250mA CCT=3000K P=8W I=250mA

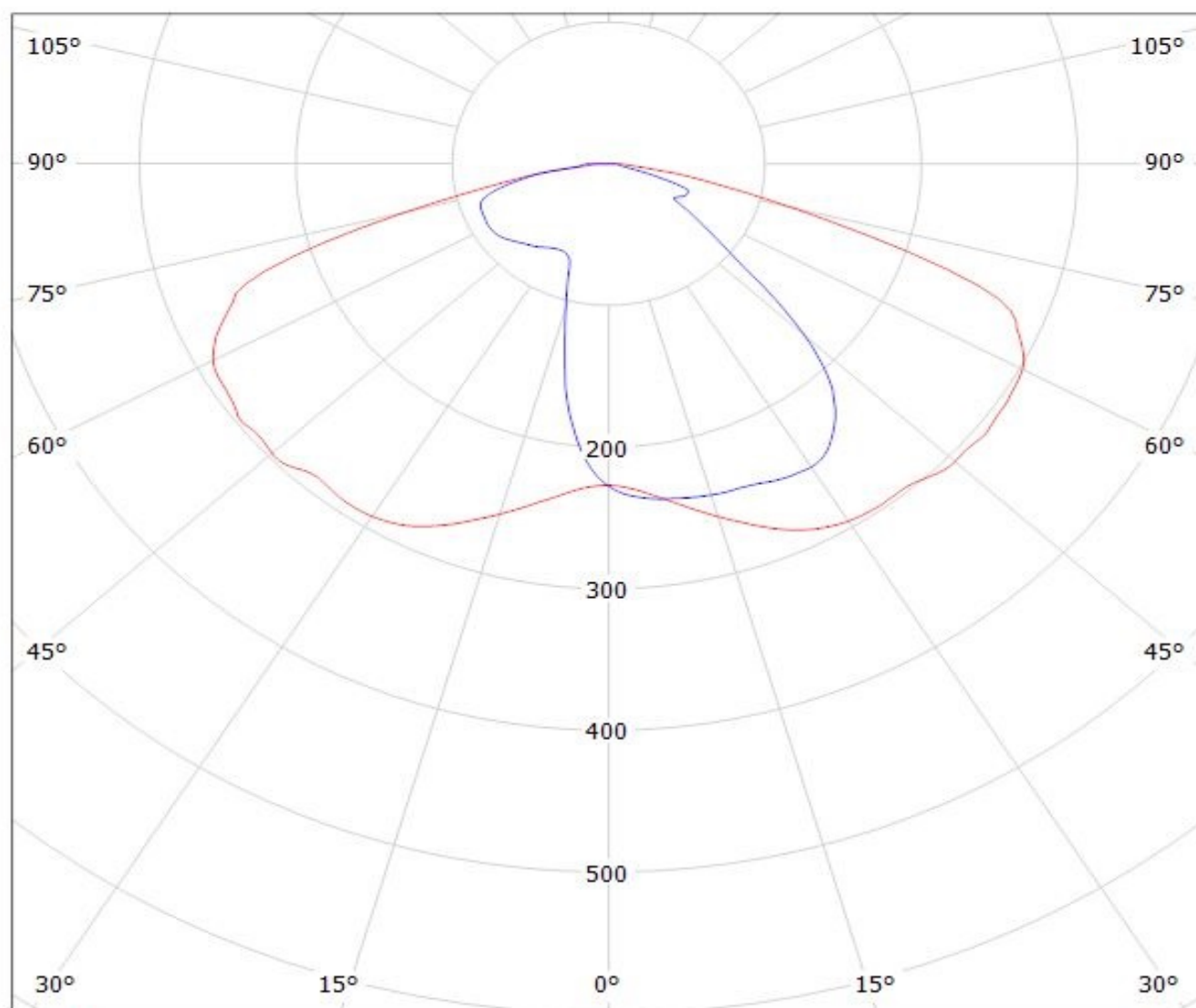


Luminaire: LEDiL Oy FN13323_STELLA-A_(CXA1507) Eff: 92%
Lamps: 1 x Cree_CXA1507_(CXA1507-30F-F2-N0A-0000) 220lm@50mA CCT=3000K P=2W I=50mA



Luminaire: LEDiL Oy FN13323_STELLA-A Eff. 92%

Lamps: 1 x VERO13 (BXRC-30E4000F) 819lm@250mA CCT=3000K P=7.5W I=250mA



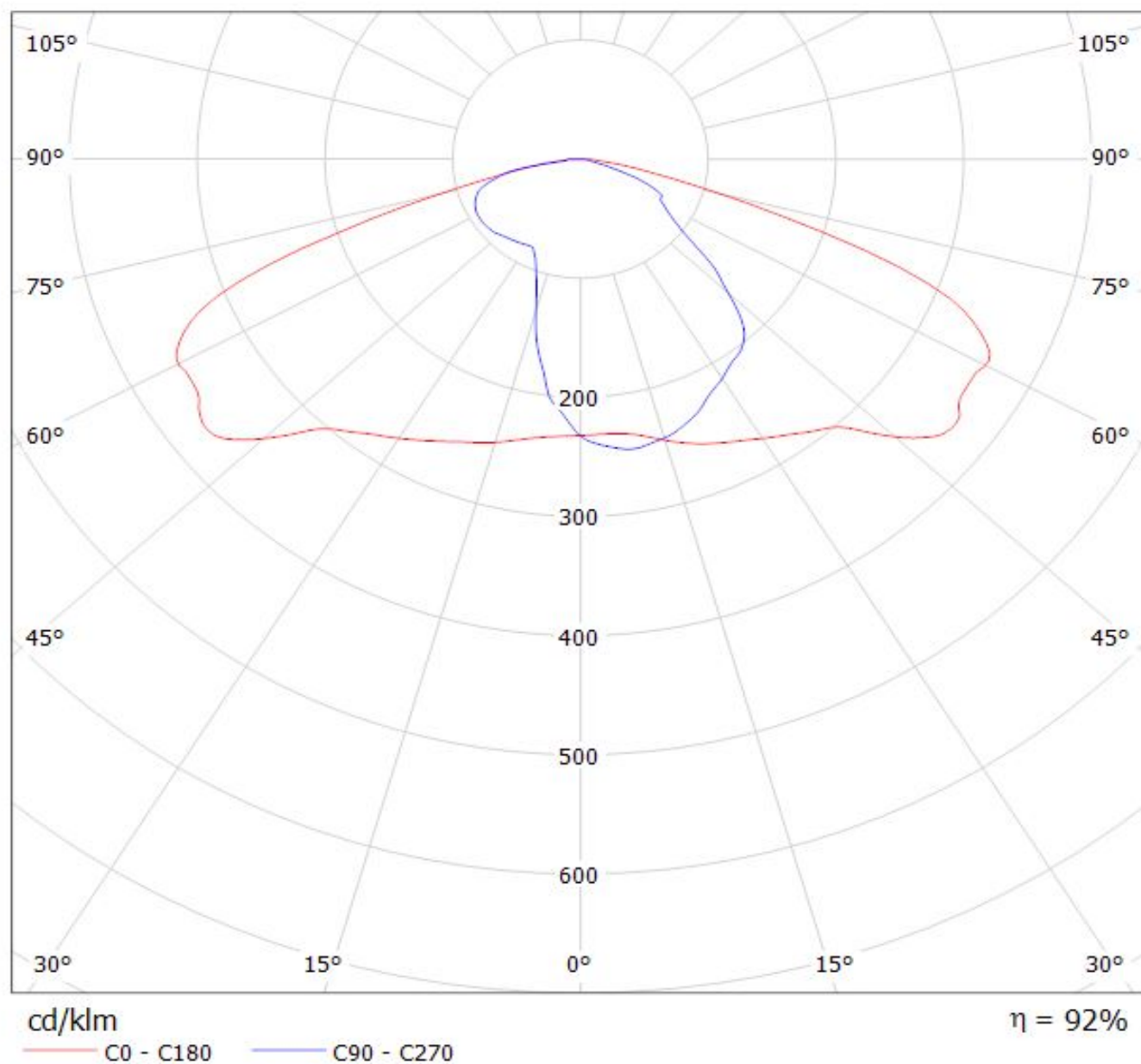
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy FN13323_STELLA-A (VERO18) Eff. 92%

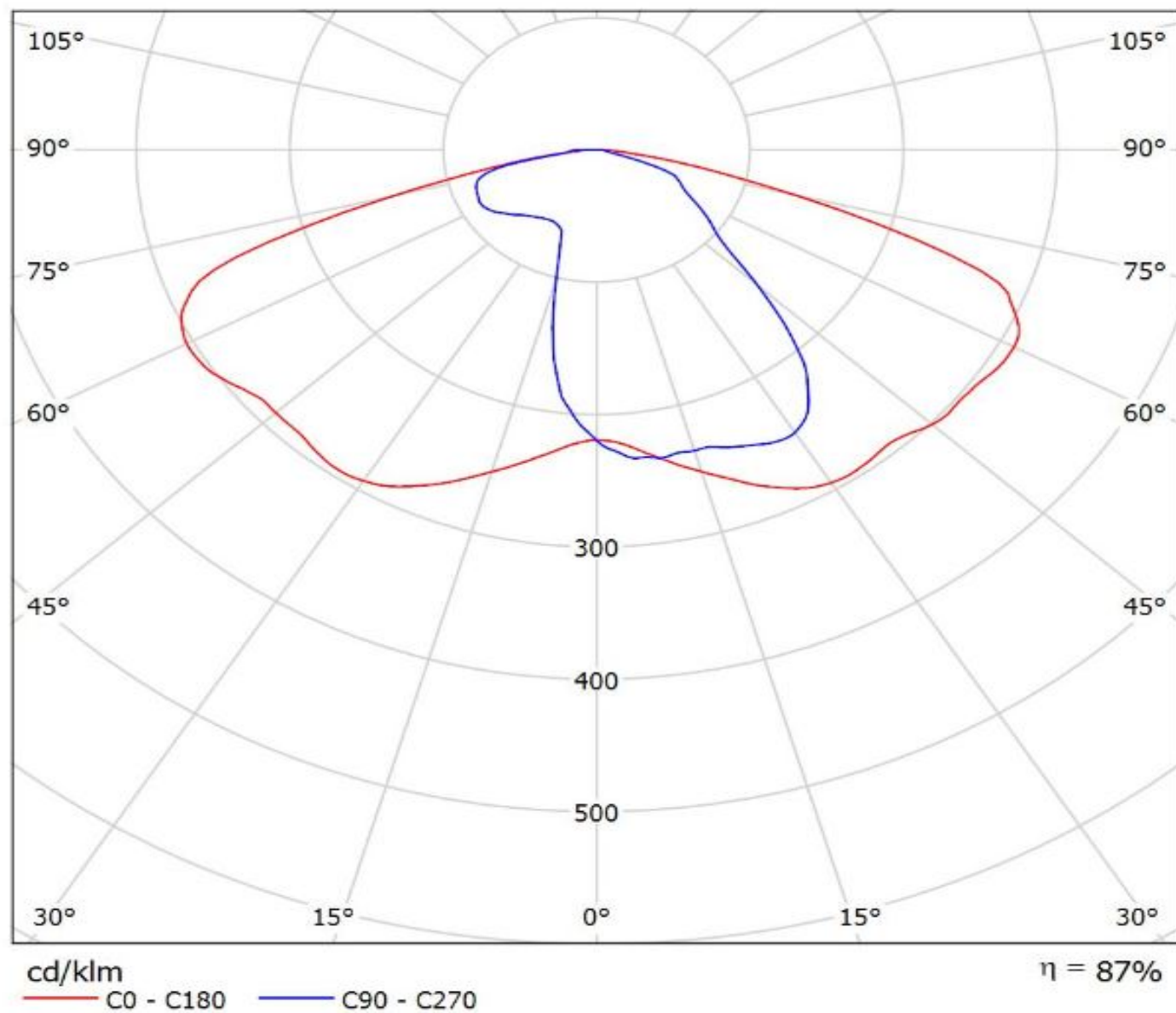
Lamps: 1 x VERO18 (BXRC-30E4000F)786lm@250mA CCT=3000K P=6.84W I=250mA



LEDiL Oy FN13323_STELLA-A_(CXA1816) Eff.87.1% / LDC (Polar)

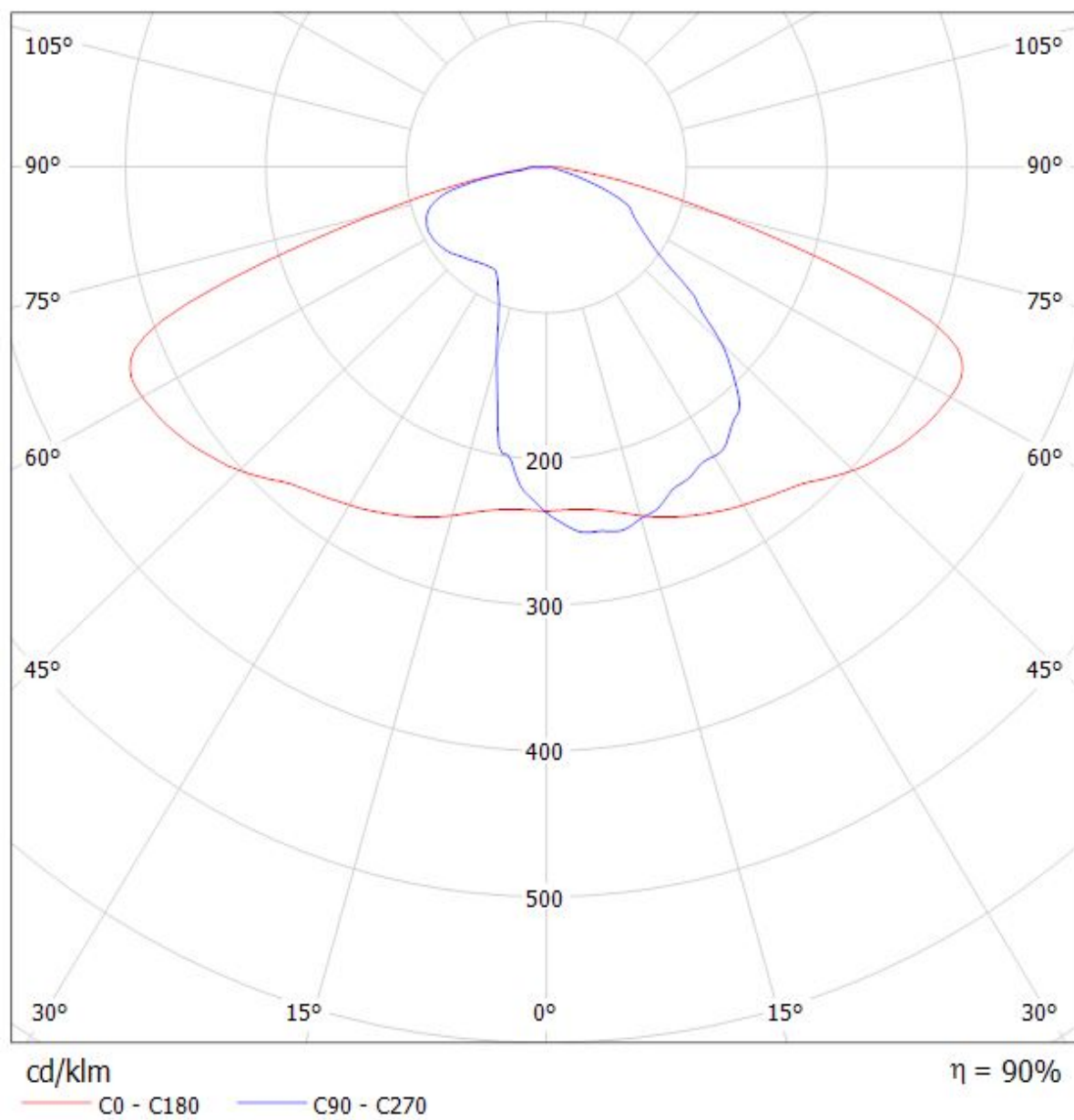
Luminaire: LEDiL Oy FN13323_STELLA-A_(CXA1816) Eff.87.1%

Lamps: 1 x CREE_CXA1816_1075.33lm@250mA_P=8.66981W_I=249.8mA



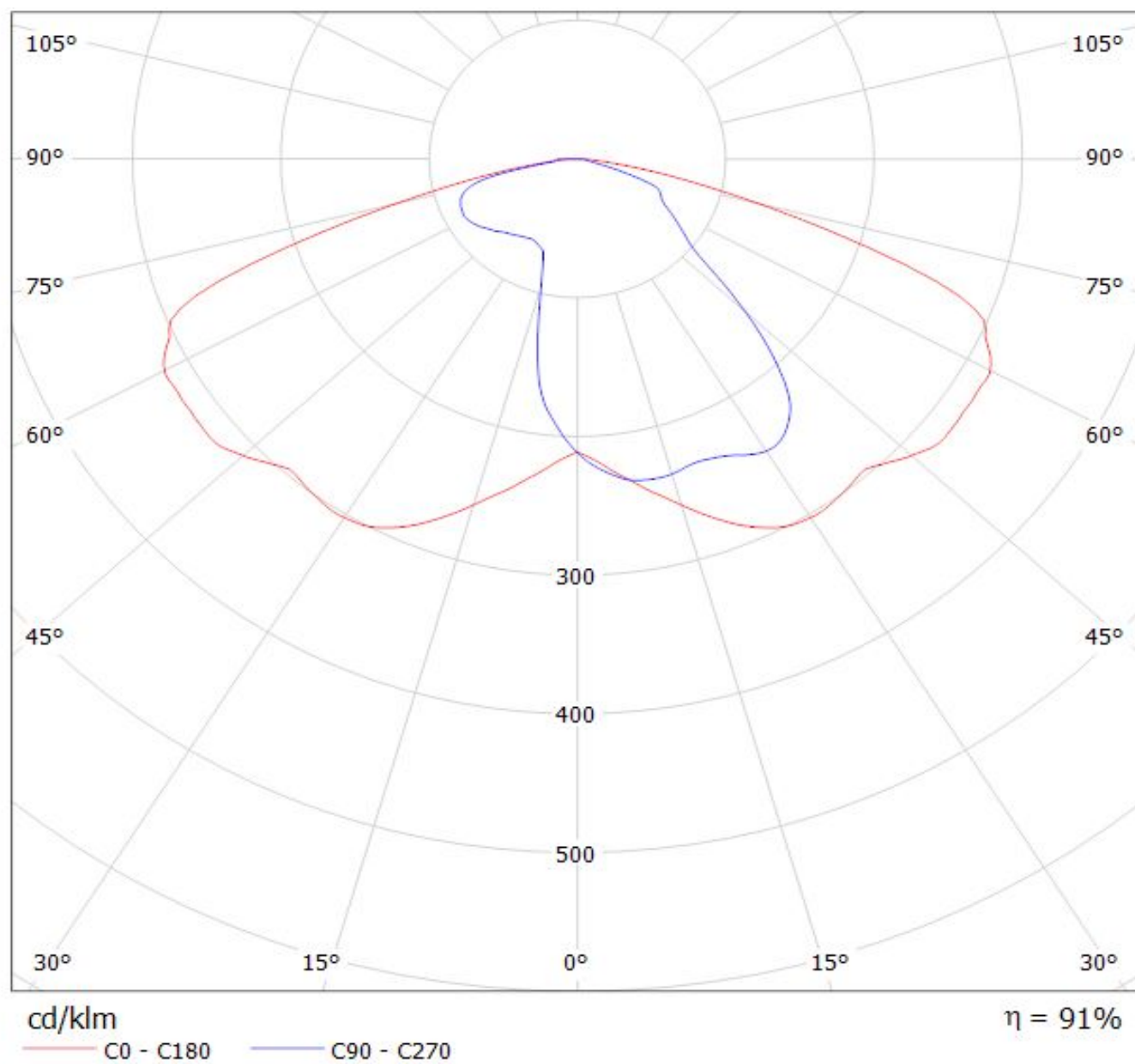
Luminaire: LEDiL Oy FN13323_STELLA-A_(SOLERIQ_S19)

Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)_1340.3lm@250mA_CCT=3000K_P=10.4491W_I=249.8mA



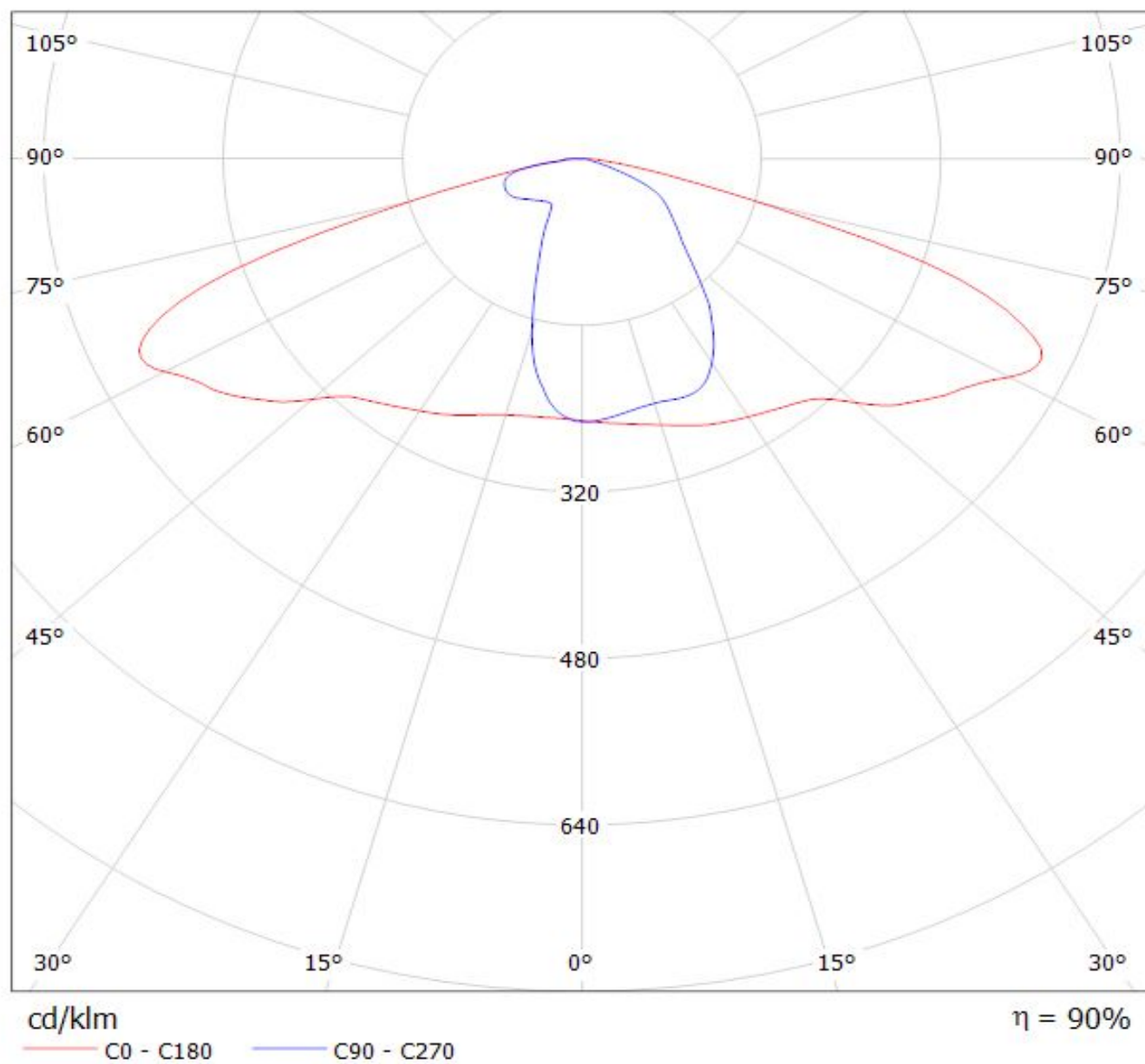
Luminaire: LEDiL Oy FN13323_STELLA-A_(Soleriq_S13)

Lamps: 1 x Osram_Soleriq_S13_802.964lm@250mA_CCT=3125K_P=7.26069W_I=249.8mA

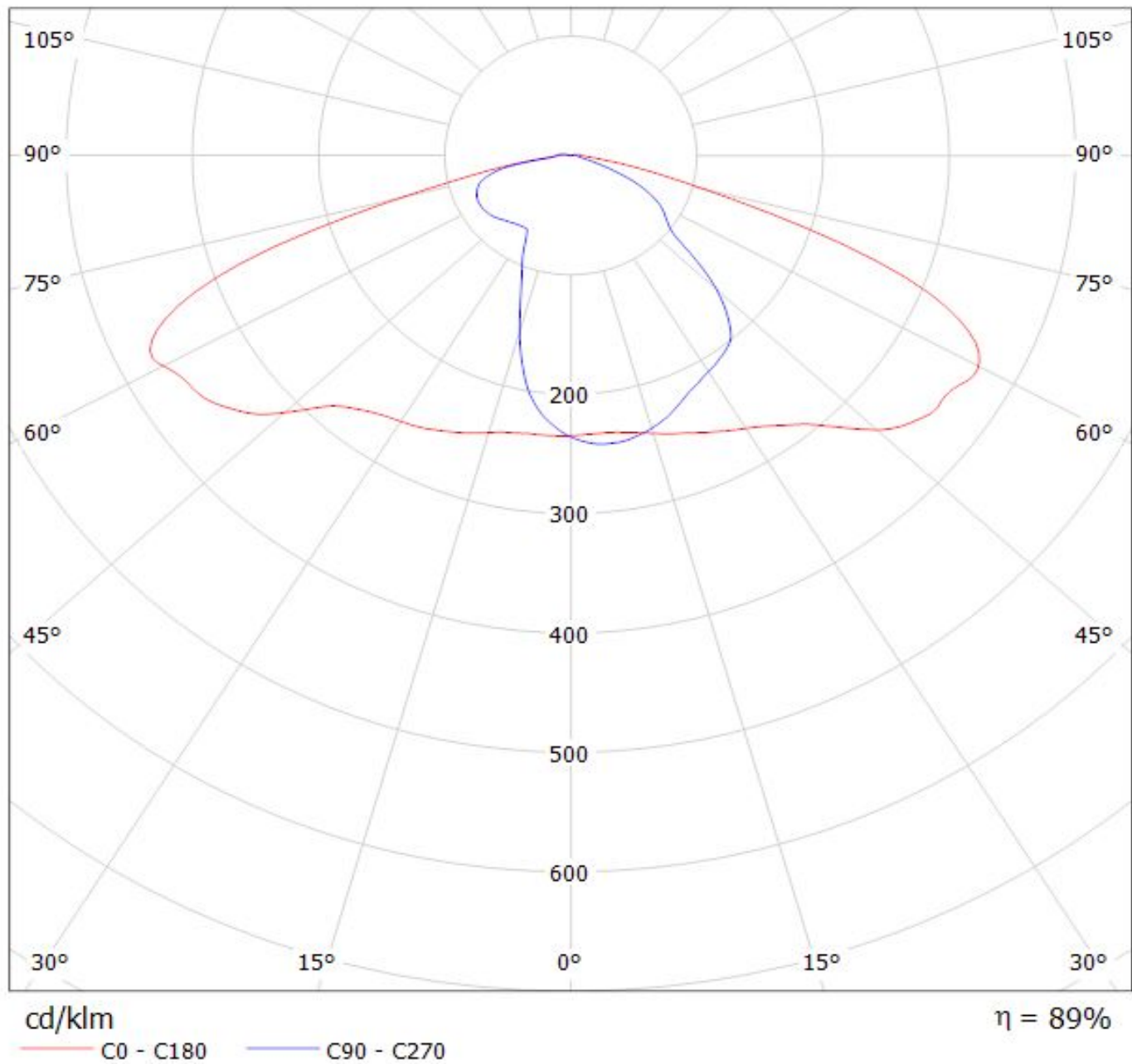


Luminaire: LEDiL Oy FN13323_STELLA-A_(Megazenigata_GW6D) Eff.89.9%

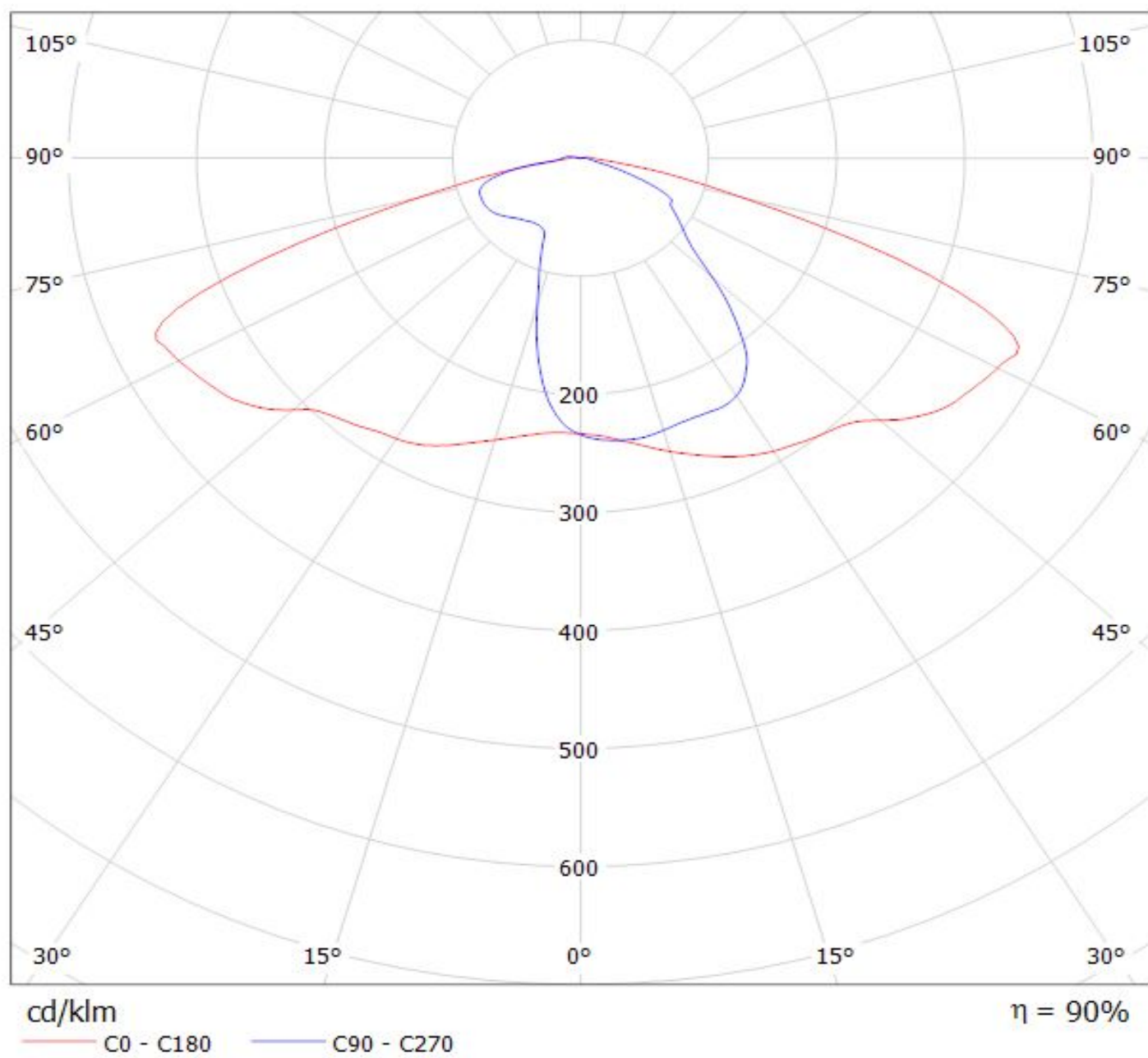
Lamps: 1 x SHARP_Megazenigata_(GW6DMC40NFC)_1072.13lm@250mA_P=8.51443W_I=249.8mA



Luminaire: LEDiL Oy FN13323_STELLA-A_(CXM-18) Eff.89.2%
Lamps: 1 x LUMINUS_XNOVA_CXM-18_897.842lm@250mA_P=8.12425W_I=249.9mA

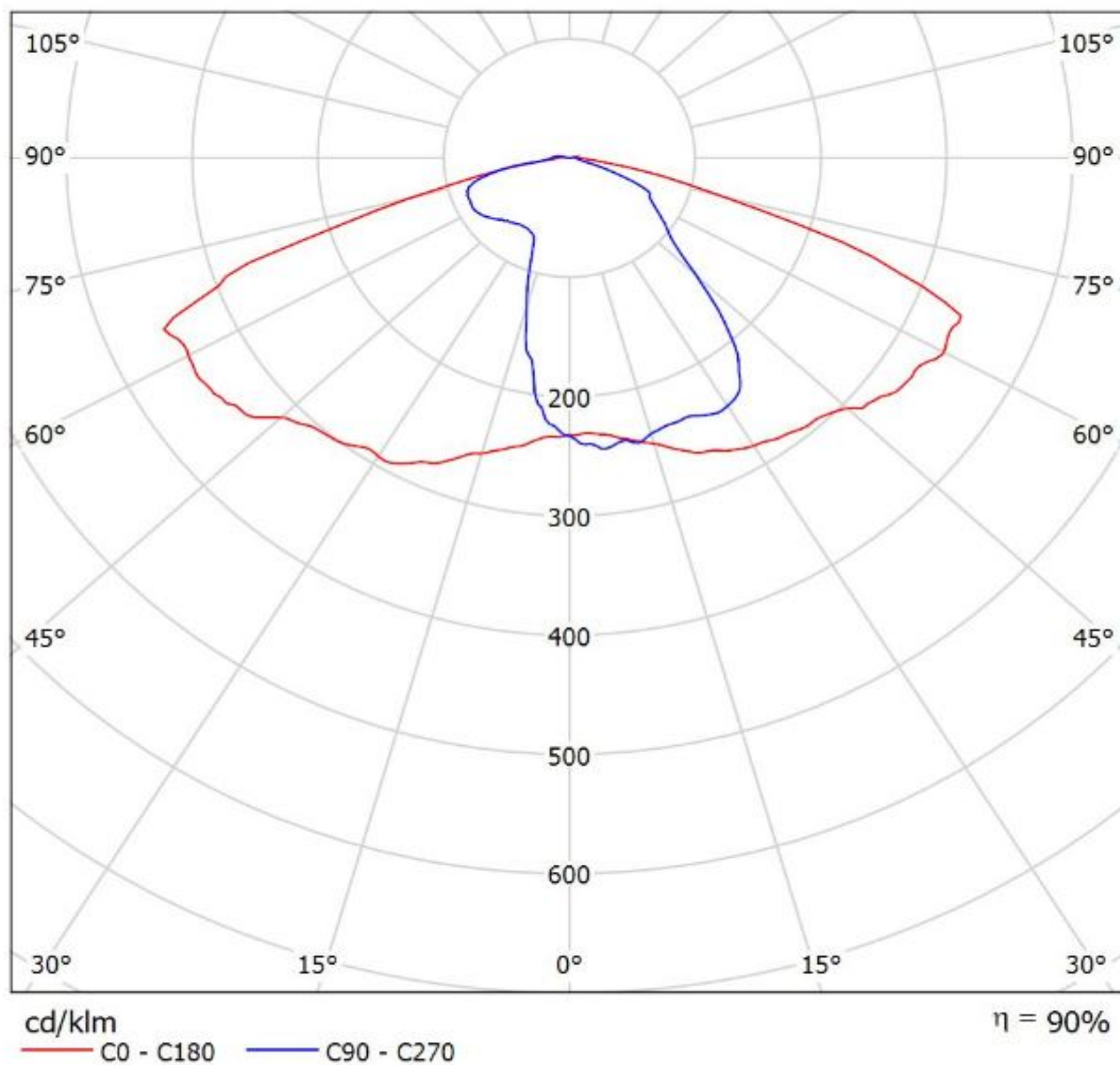


Luminaire: LEDiL Oy FN13323_STELLA-A_(CXM-14)
Lamps: 1 x LUMINUS_XNOVA_CXM-14_(AC00)
_1064.17lm@250mA_CCT=3133K_P=8.33558W_I=249.8mA



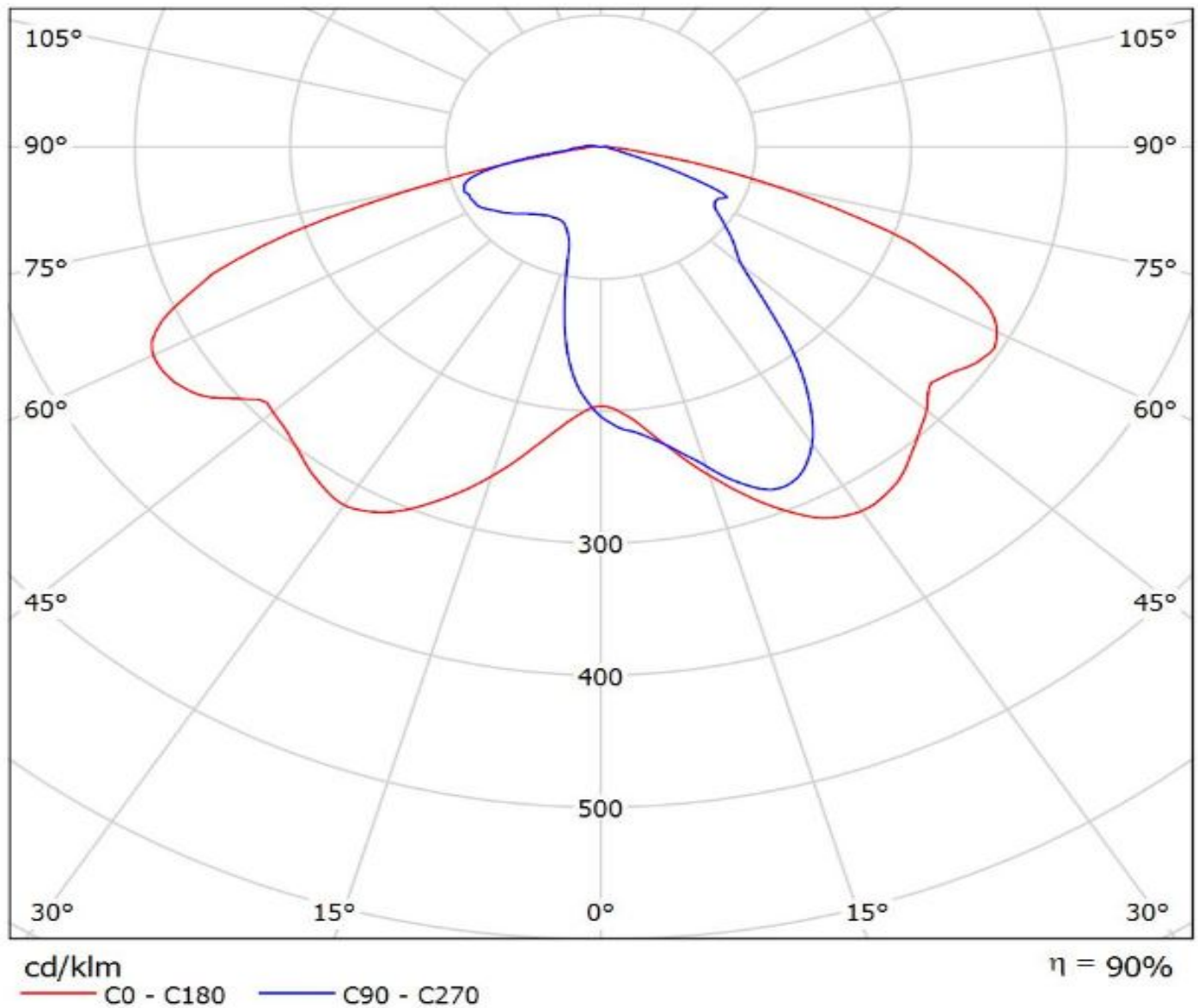
Luminaire: LEDiL Oy FN13323_STELLA-A_(SOLERIQ_P13)

Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_929.576lm@250mA_CCT=3500K_P=8.72876W_I=249.8mA



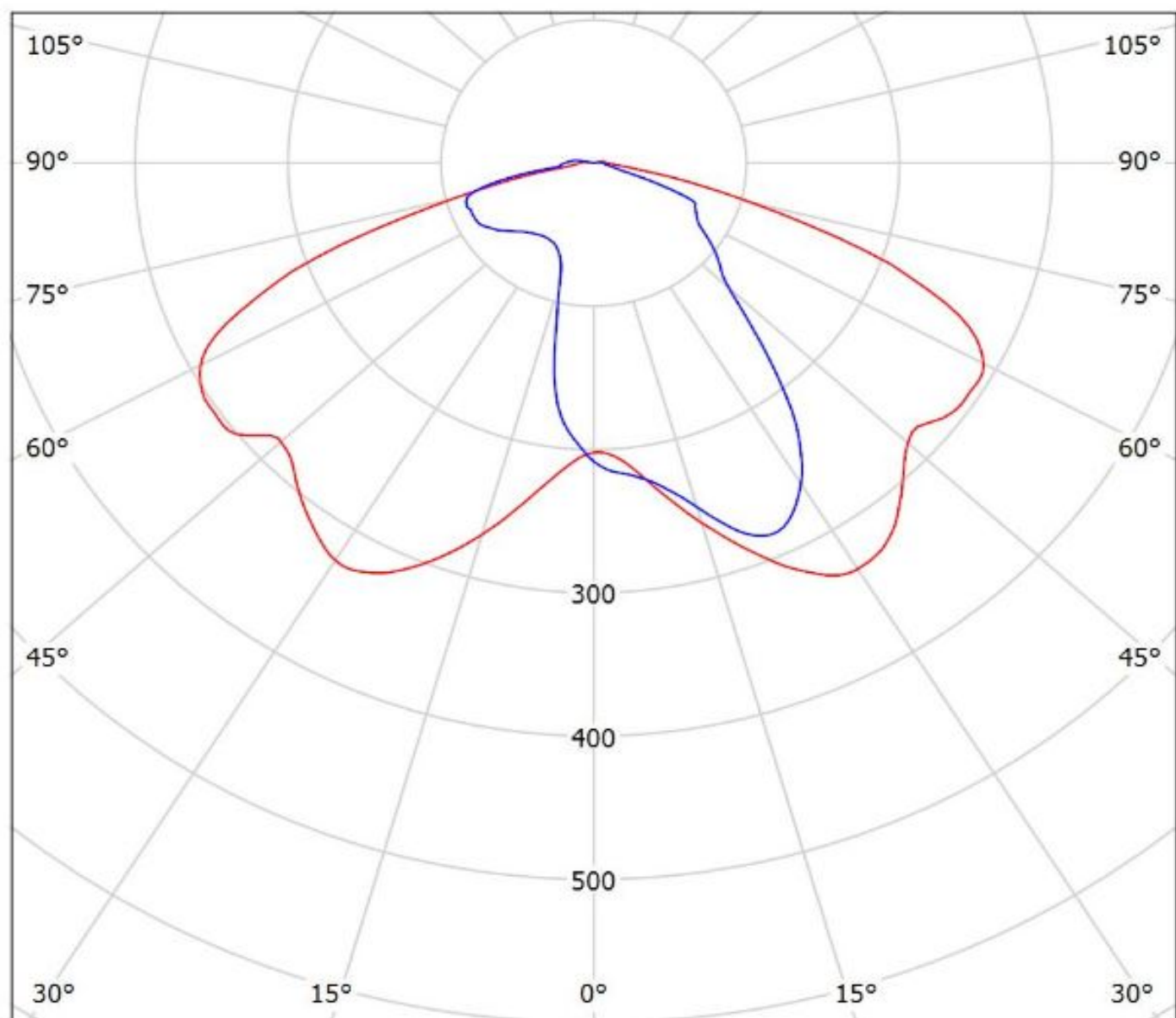
Ledil FN13323_STELLA-A_(NFCLL036B) / LDC (Polar)

Luminaire: Ledil FN13323_STELLA-A_(NFCLL036B)
Lamps: 1 x Nichia_NFCLL036B_(SM403J1300R8000)
_563.488lm@100mA_CCT=4000K_P=3.35W_I=0.100A



Luminaire: Ledil FN13323_STELLA-A_(CLU710)

Lamps: 1 x CITIZEN_CLU710_(CLU710-1204B8-273M2G1)_1212.66lm@250mA_P=8.5W_I=0.25A



cd/klm

— C0 - C180

— C90 - C270

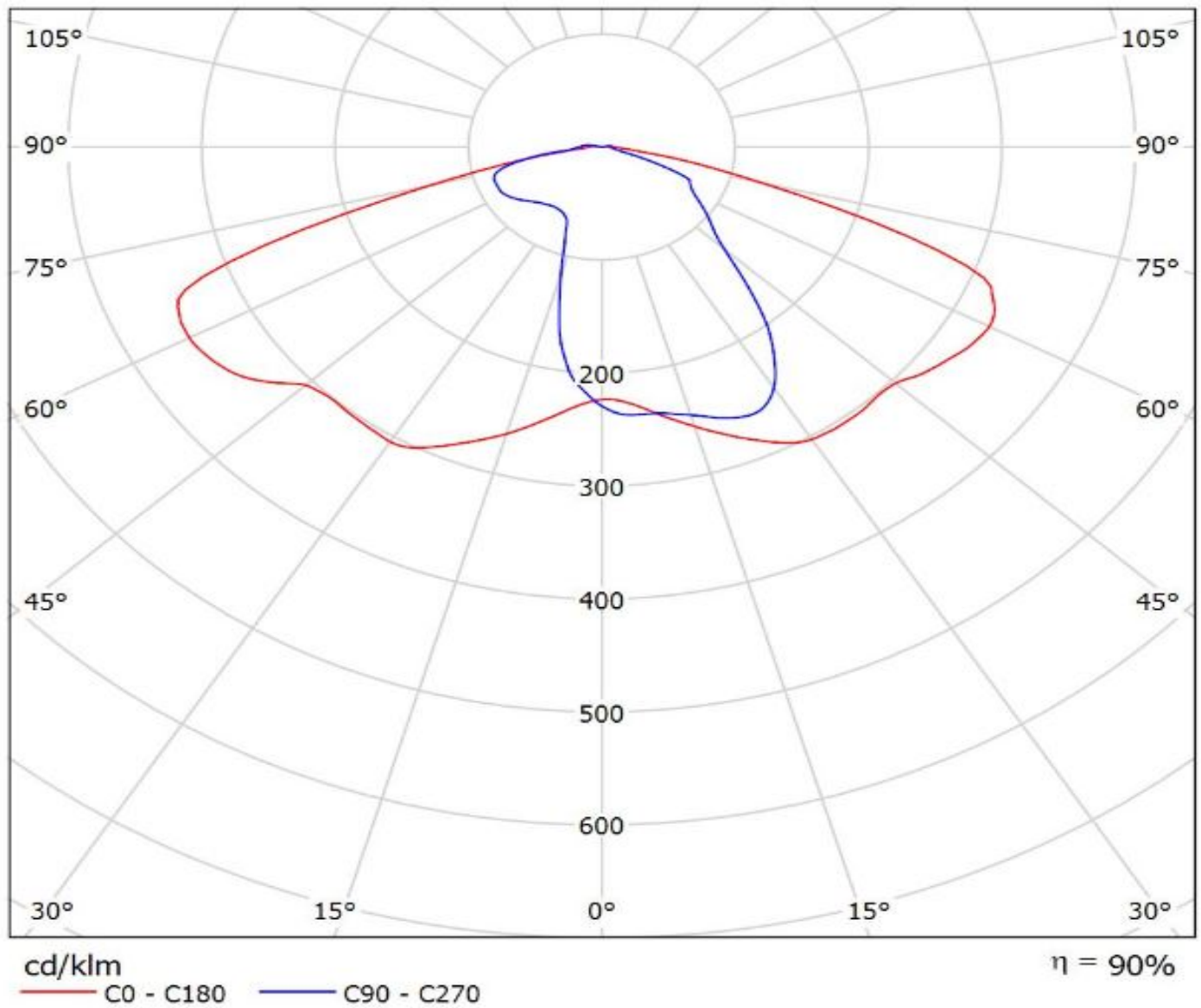
$\eta = 89\%$

Ledil FN13323_STELLA-A_(CLU720) / LDC (Polar)

Luminaire: Ledil FN13323_STELLA-A_(CLU720)

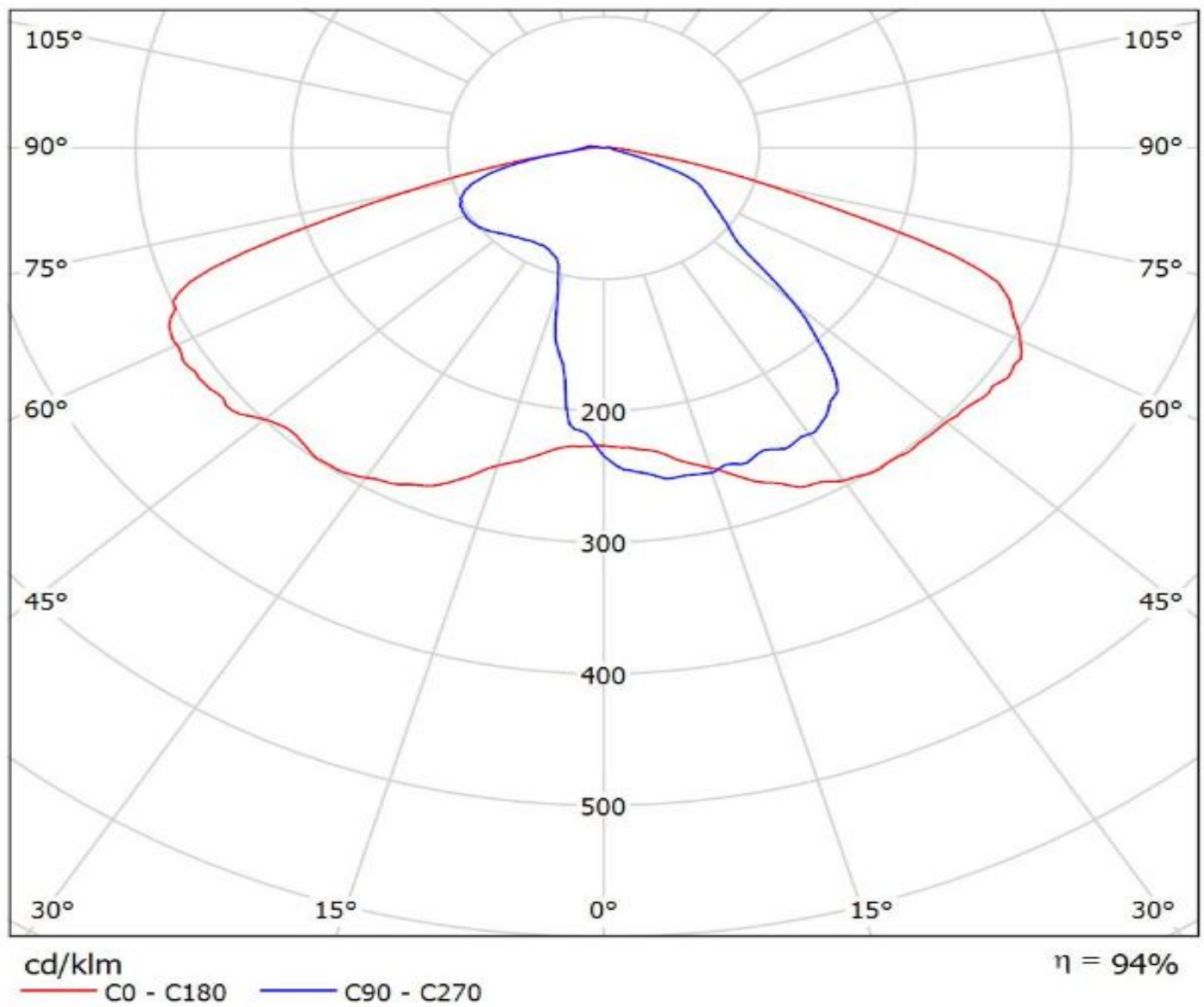
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)

_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



Ledil FN13323_STELLA-A_(P13) / LDC (Polar)

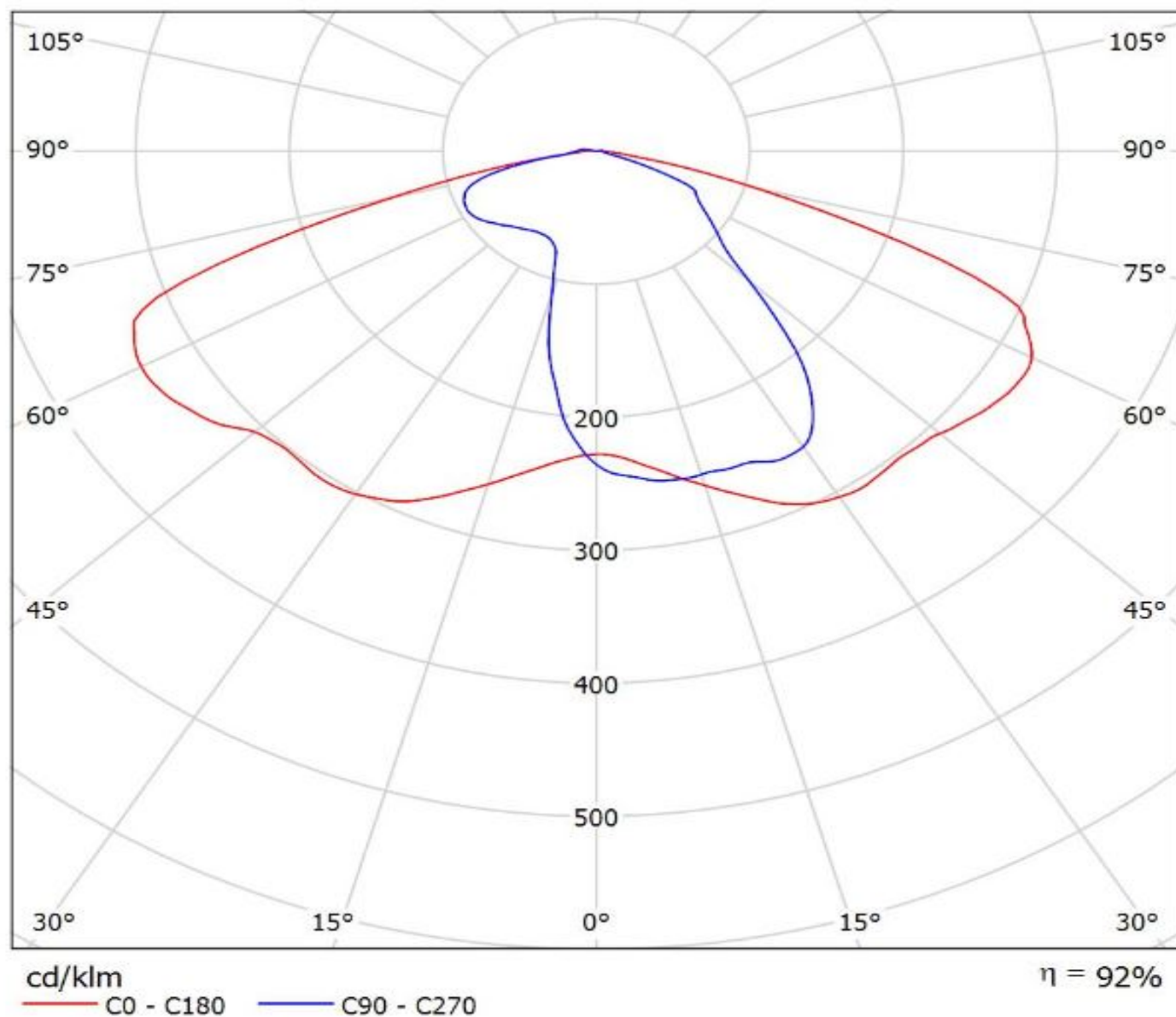
Luminaire: Ledil FN13323_STELLA-A_(P13)
Lamps: 1 x Osram Soleriq P13 (GW MAGMB1.EM)
_929.576lm@250mA_CCT=3500K_P=8.72876W_I=249.8mA



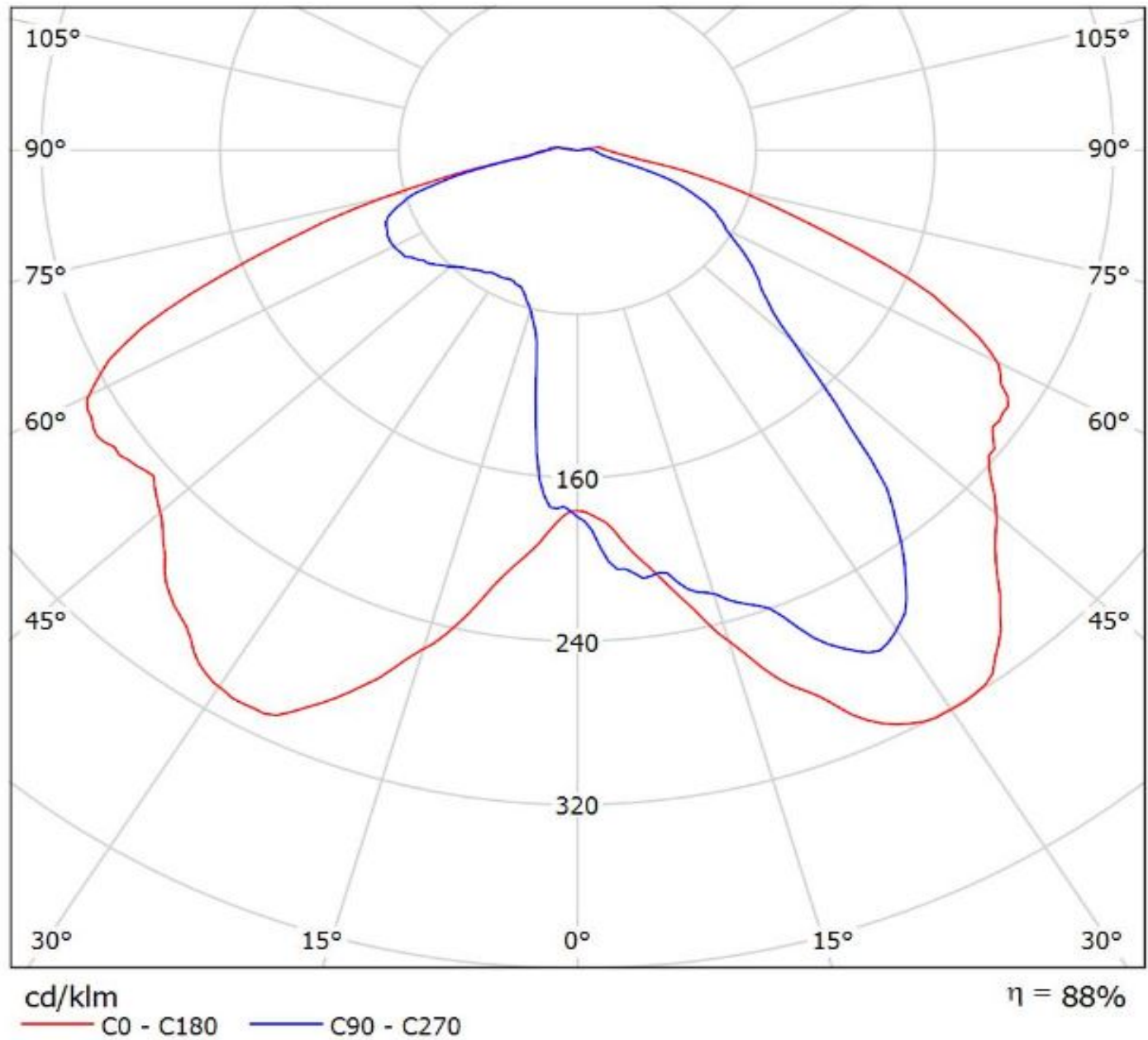
Ledil FN13323_STELLA-A_(Soleriq_S13) / LDC (Polar)

Luminaire: Ledil FN13323_STELLA-A_(Soleriq_S13)

Lamps: 1 x Osram_Soleriq_S13_(GW_KAGHB1.EM)_875.214lm@250mA_P=7.44679W_I=250mA

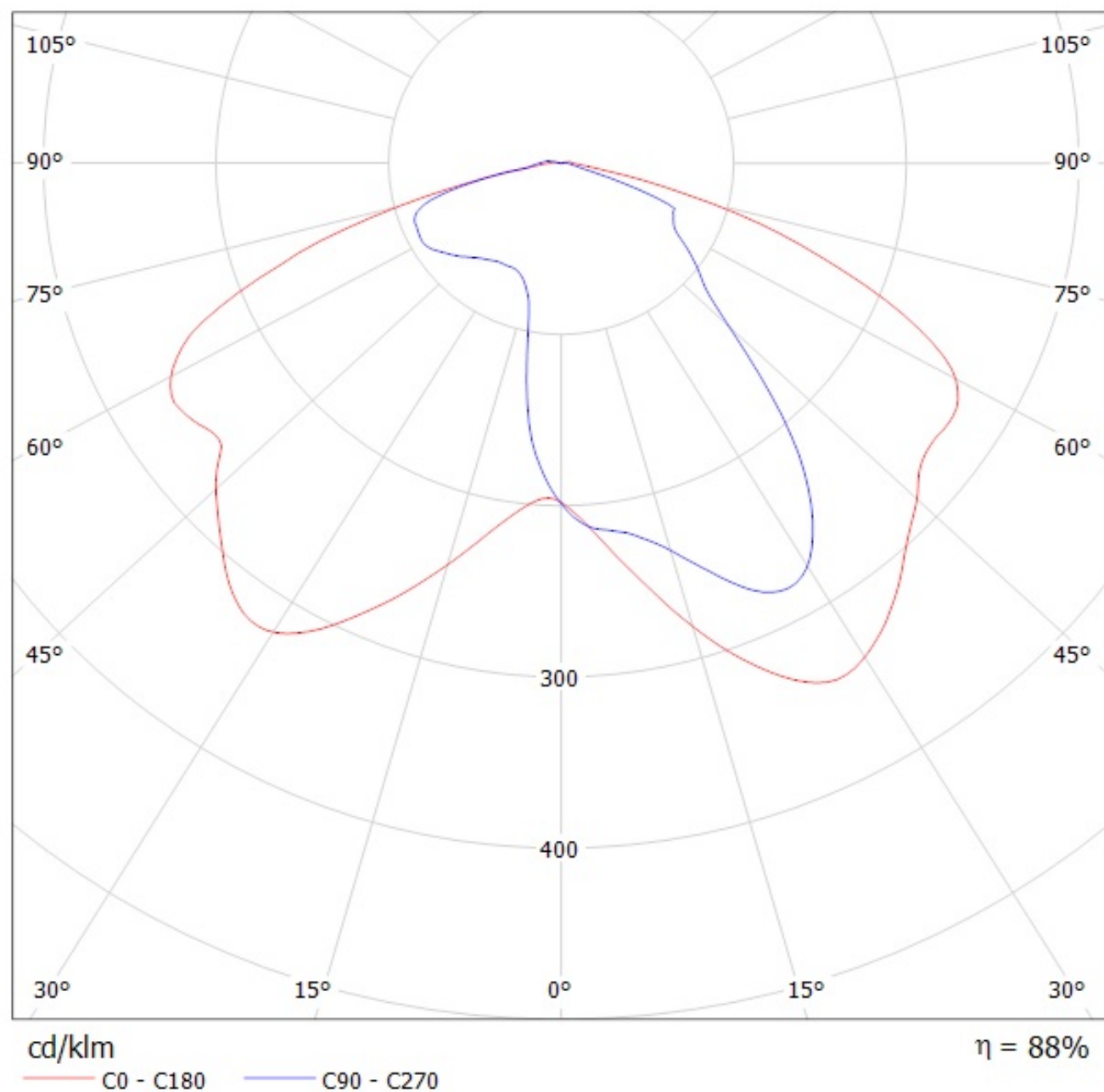


Luminaire: Ledil FN13323_STELLA-A_(Soleriq_P9)
Lamps: 1 x Osram_Soleriq_P9_(GW_MAFJB1.EM)_976.011lm@250mA_CCT=4299K_P=6.9W_I=0.25A



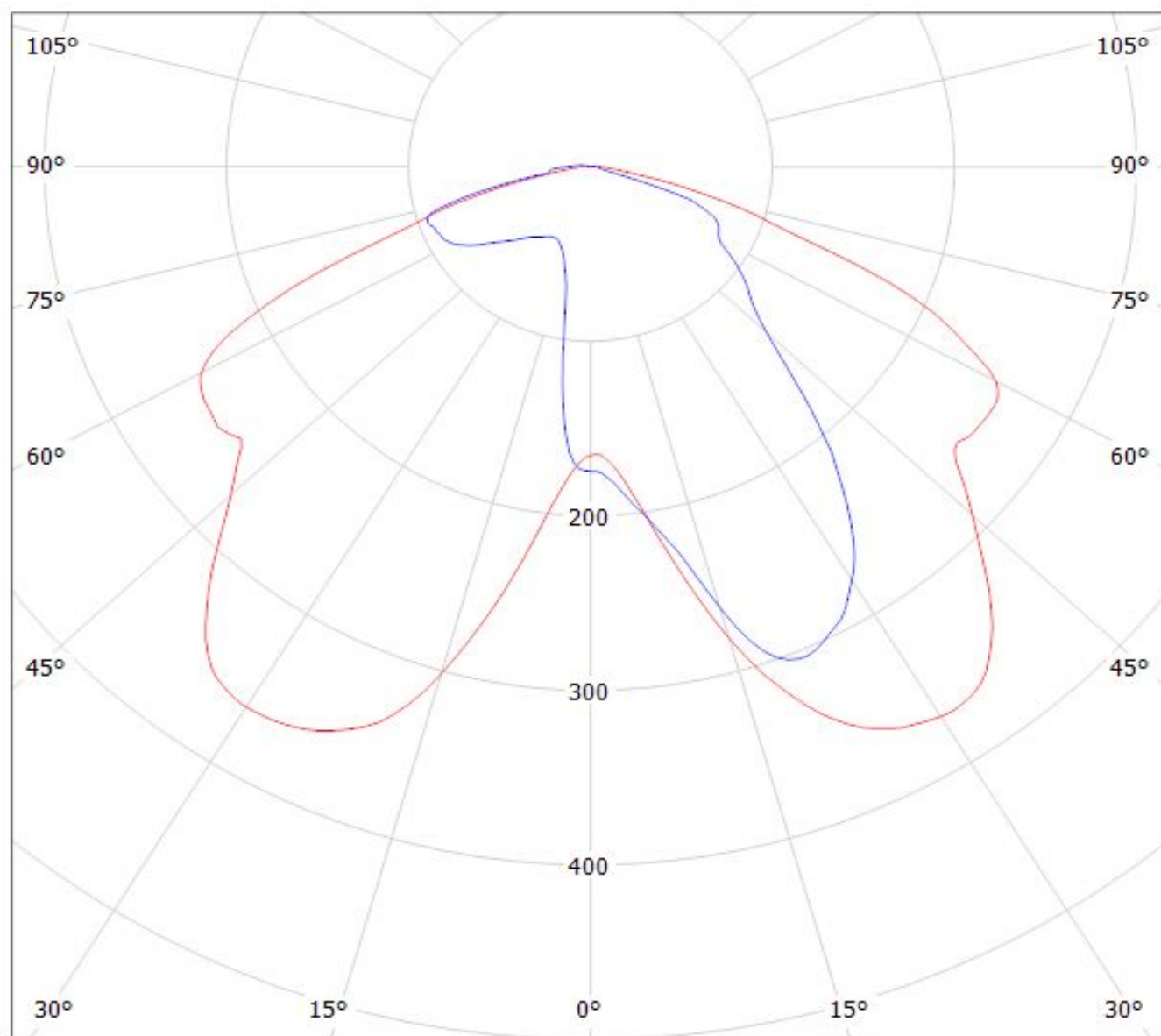
Luminaire: LEDiL Oy FN13323_STELLA-A_(Luxeon_CoB_1203)_(438_Typ_L1)

Lamps: 1 x Luxeon_CoB_1203_(LHC1-3080-1203)_(438_Typ_L1)_1005.18lm@250mA_P=8.69829W_I=0.2498A



Luminaire: Ledil FN13323_STELLA-A_(CLU700)_(434_Typ_L1)

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



cd/klm

— C0 - C180

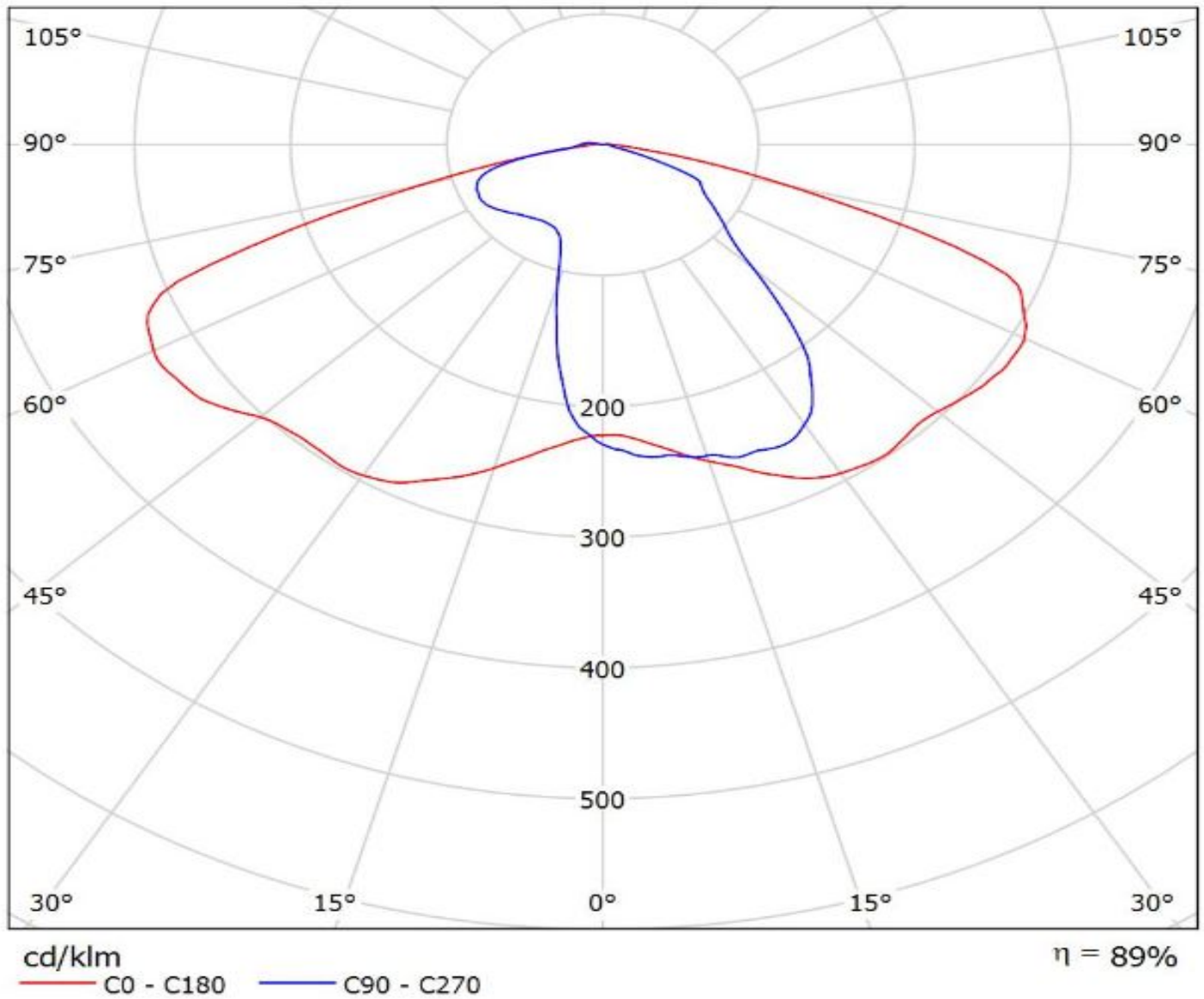
— C90 - C270

$\eta = 89\%$

Ledil FN13323_STELLA-A_(CXA1850) / LDC (Polar)

Luminaire: Ledil FN13323_STELLA-A_(CXA1850)

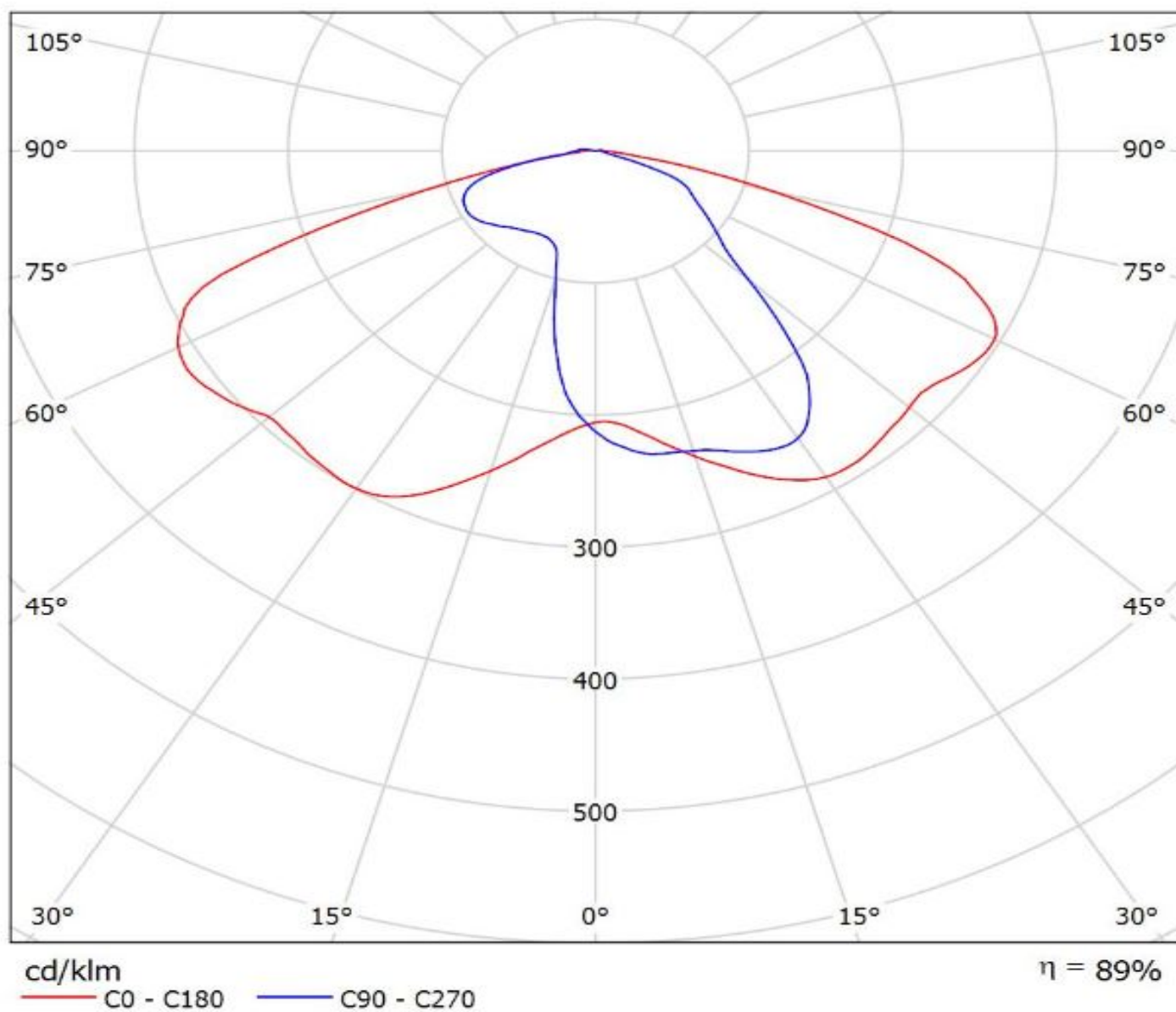
Lamps: 1 x CREE_CXA1850_(CXA1850-30F-T4-N0Y-00001)
_837.004lm@250mA_CCT=3000K_P=8.24W_I=0.25A



Ledil FN13323_STELLA-A_(NFCLL060B) / LDC (Polar)

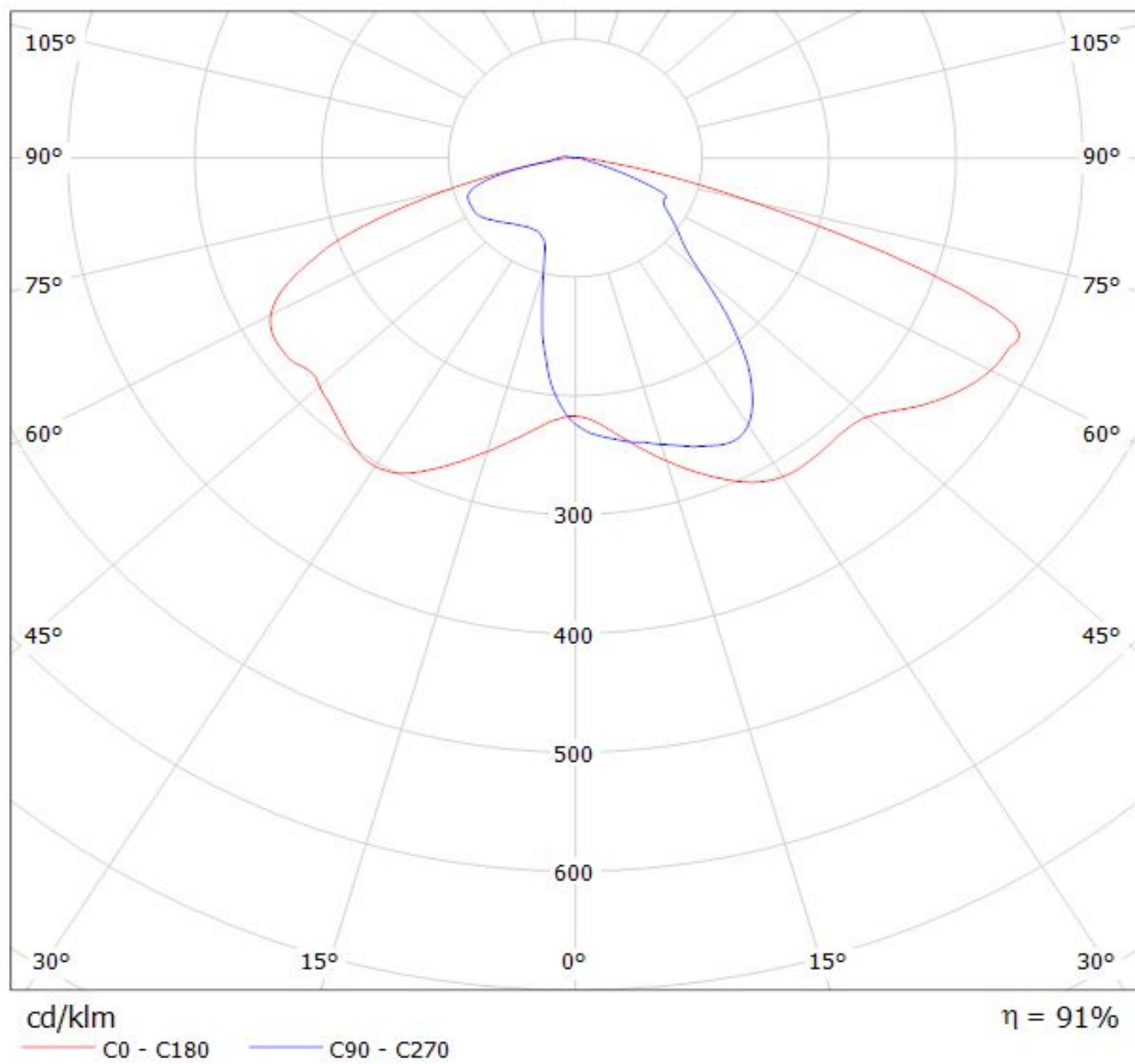
Luminaire: Ledil FN13323_STELLA-A_(NFCLL060B)

Lamps: 1 x Nichia_NFCLL060B_(sm406G2450R8000)_1368.94lm@250mA_P=8.5W_η=0.25A

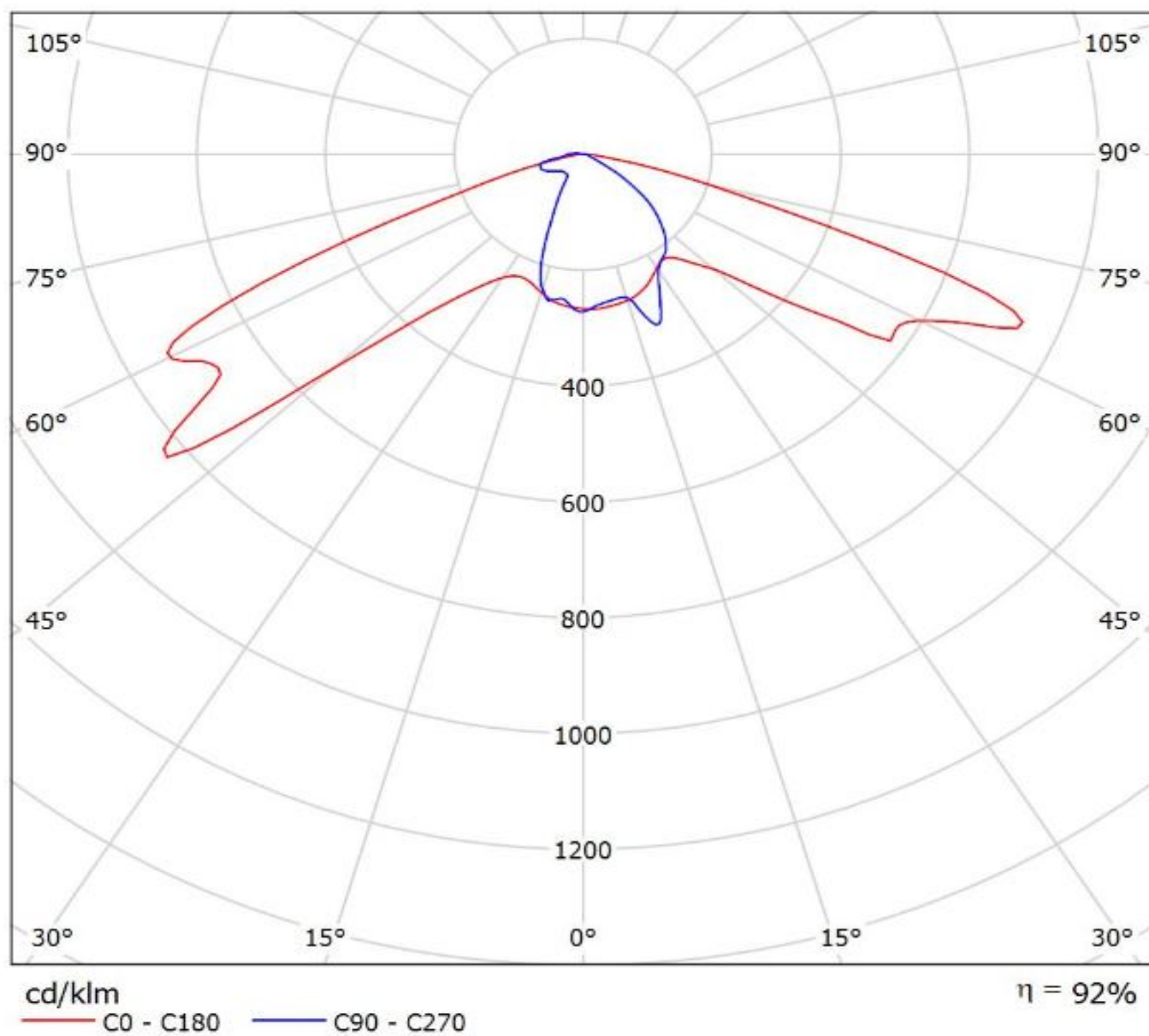


Luminaire: Ledil FN13323_STELLA-A_(CLU720)_(433_Typ_L1)

Lamps: 1 x Citizen_CLU720_(CLU720-1206B8-273M2G1)_1204.28lm@250mA_P=8.25W_I=0.25A

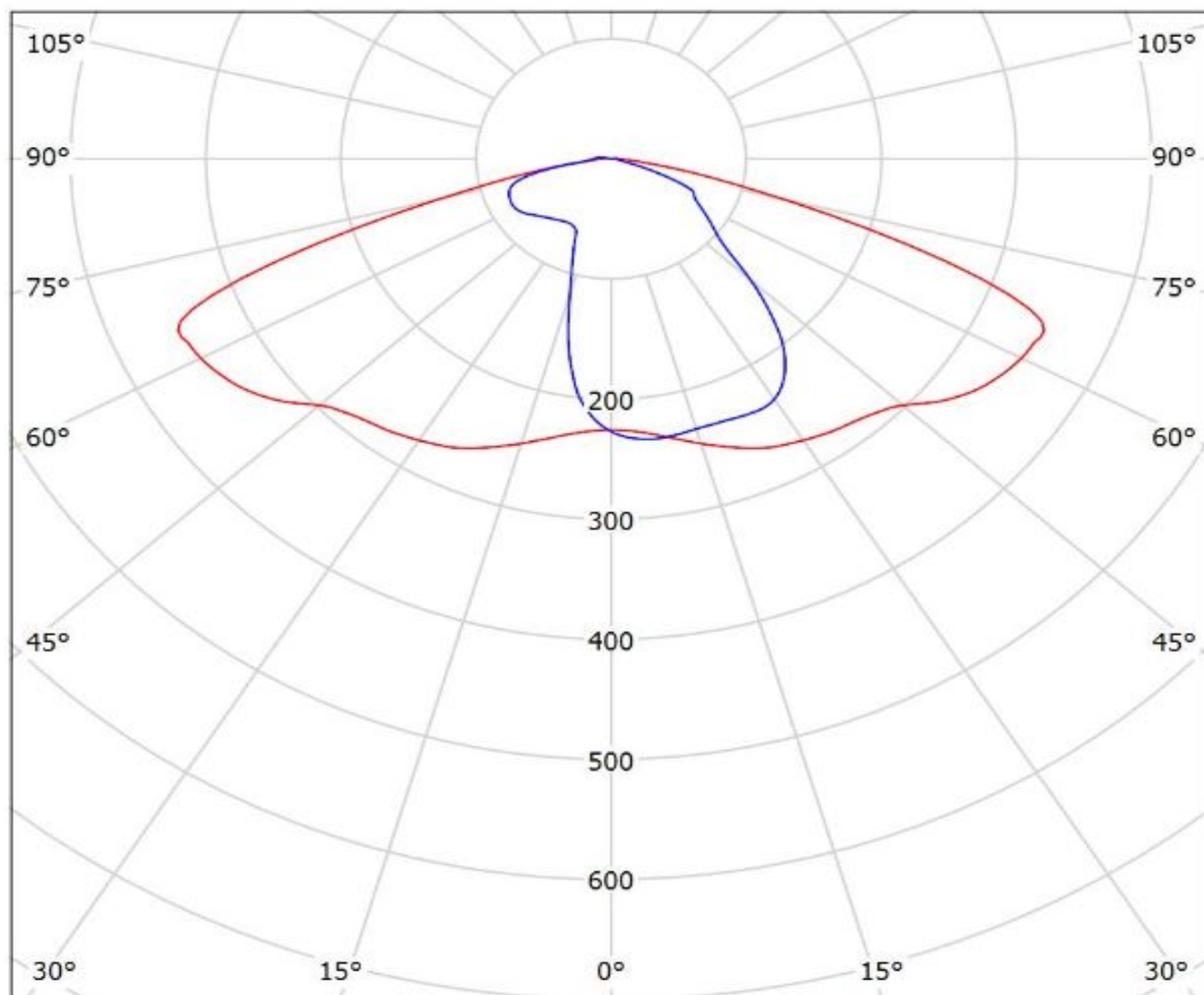


Luminaire: Ledil FN13323_STELLA-A_(CXA1520)_(441_Typ_L1) Citizen_CXA1520_(CXA1520-30F-N4-N0H-00001)_(441_Typ_L1)_1038.48lm@250mA_P=8.8025W_I=0.25A
Lamps: 1 x Citizen_CXA1520_(CXA1520-30F-N4-N0H-00001)_(441_Typ_L1)
_1038.48lm@250mA_P=8.8025W_I=0.25A



Luminaire: LEDiL Oy FN13323_STELLA-A_(SLE-G5_LES-15)

Lamps: 1 x Tridonic_SLE-G5_LES-15_1280.24lm@250mA_P=8.6273W_I=0.250A



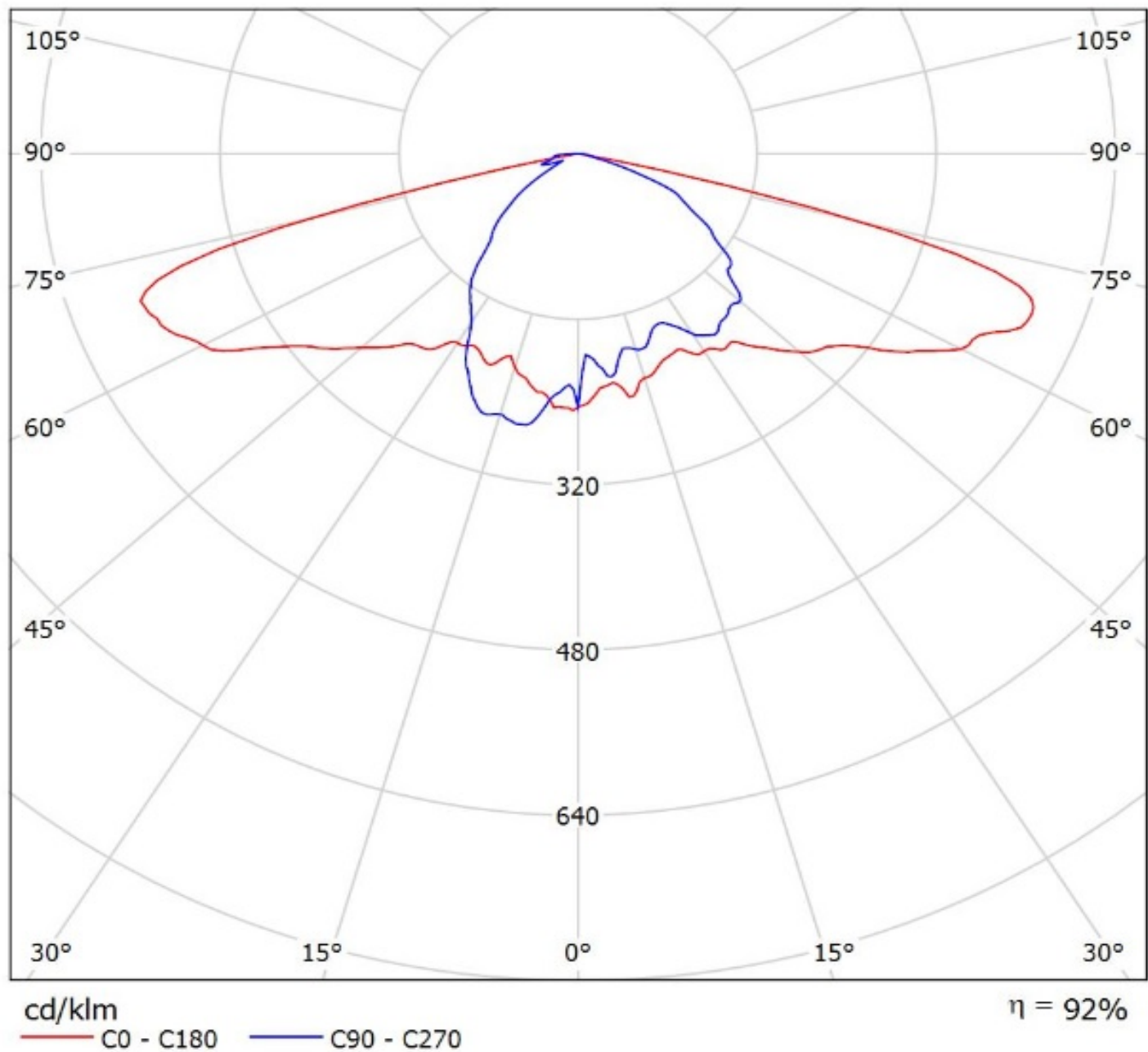
cd/klm

— C0 - C180

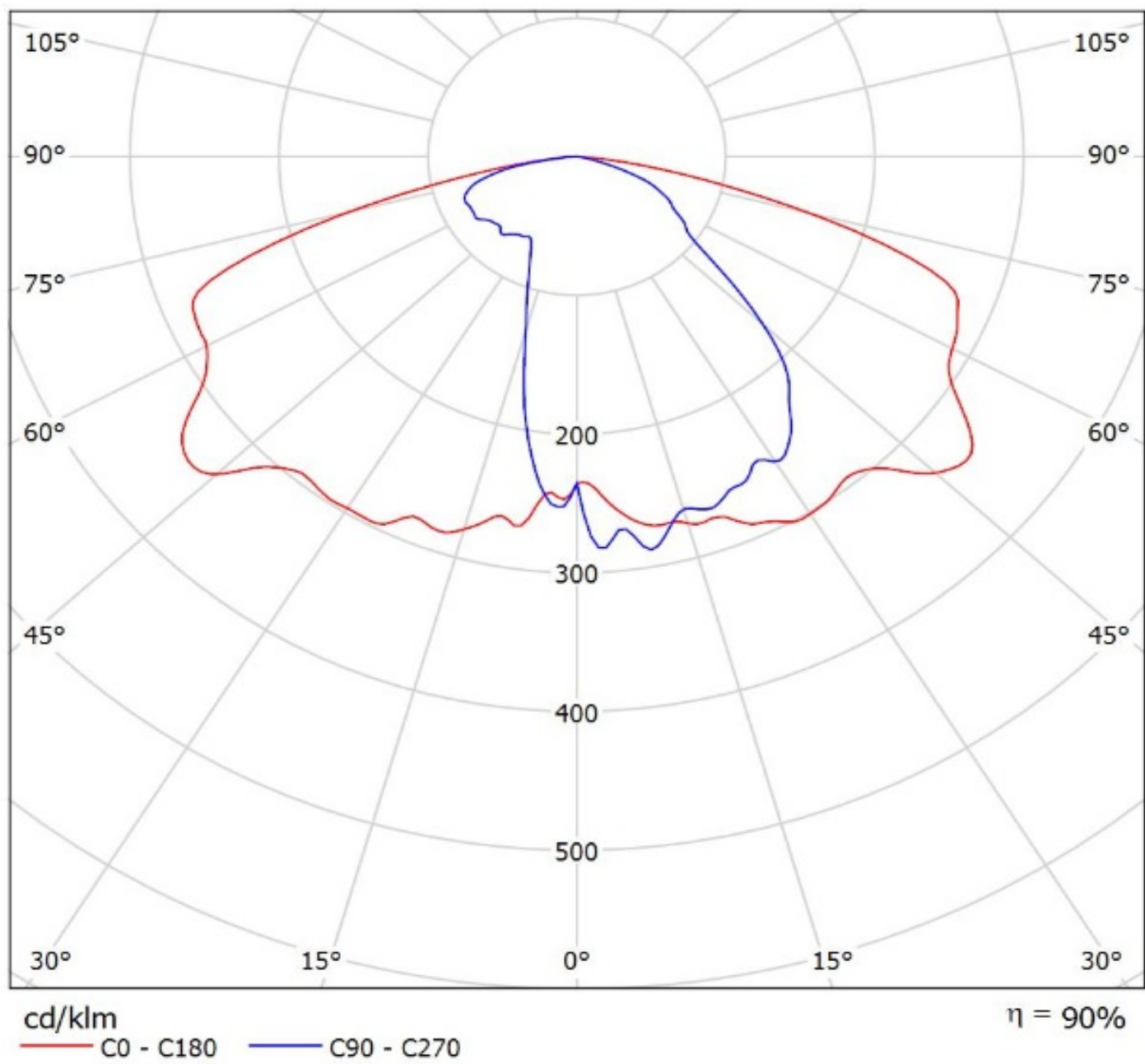
— C90 - C270

$\eta = 86\%$

Luminaire: Ledil Oy FN14976_STELLA-DWC2_(CLU028)_SIMULATED
Lamps: 1 x Citizen CLU028-1204C4-303M2K1



Luminaire: Ledil Oy FN13323_STELLA-A_(CLU038)_SIMULATED
Lamps: 1 x Citizen CLU038



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.