

DETAILS

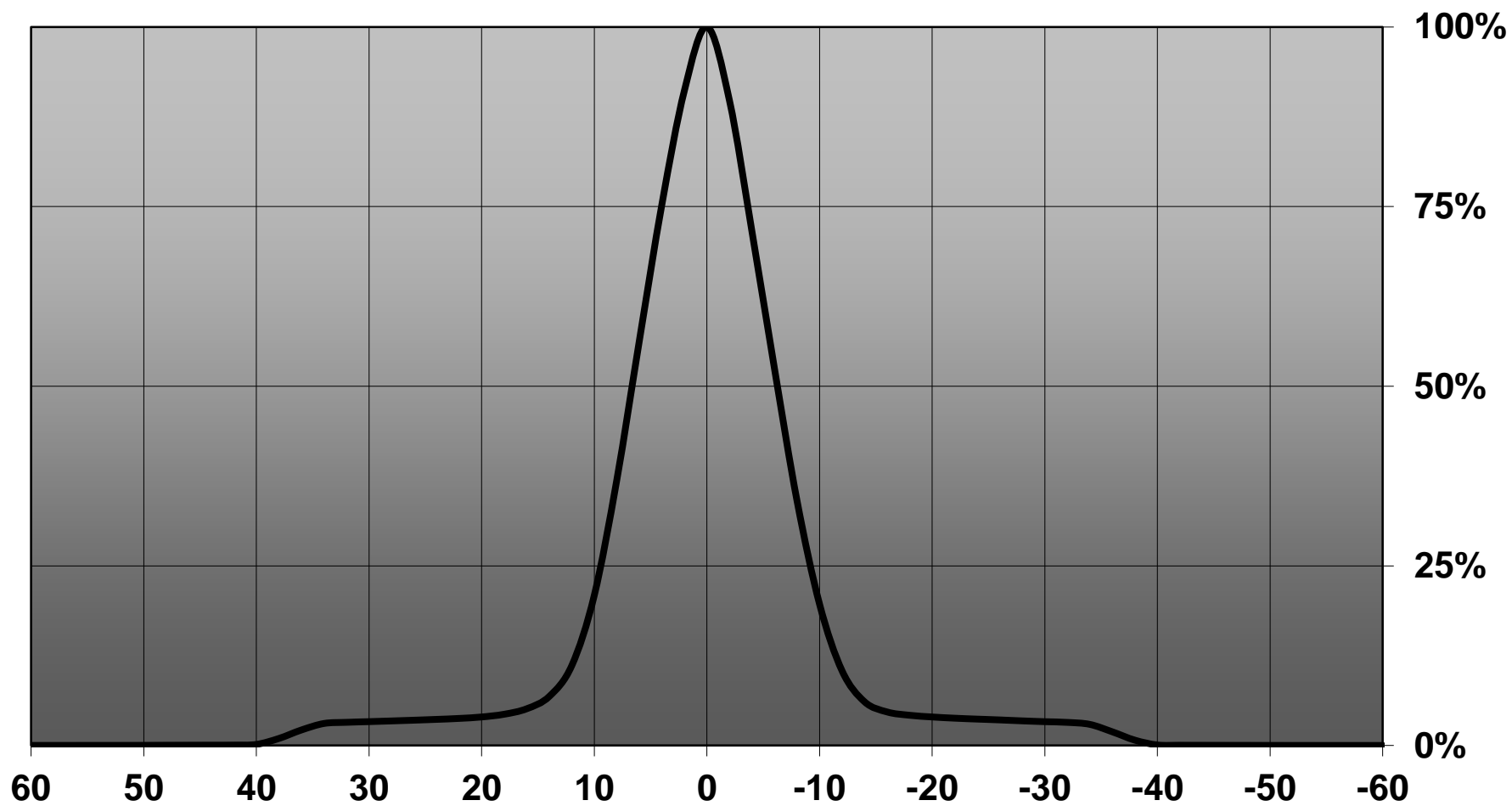
Product Number	FCN13925_BARBARA-S-PF-VERO13/18
Family	Barbara
Type	RefPack
Color	metal
Diameter	70 mm
Height	41,7 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	11/09/2015



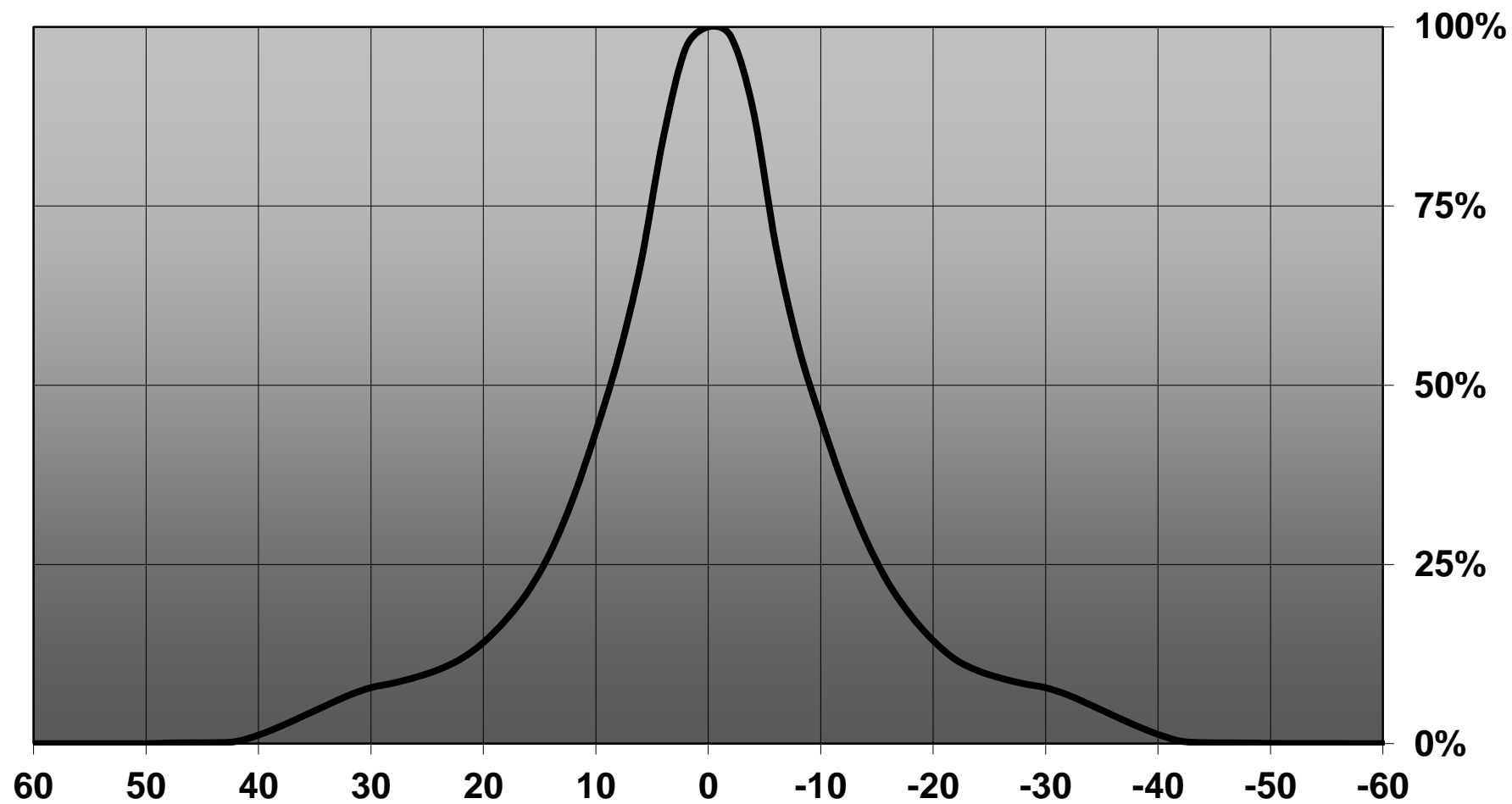
OPTICAL PROPERTIES

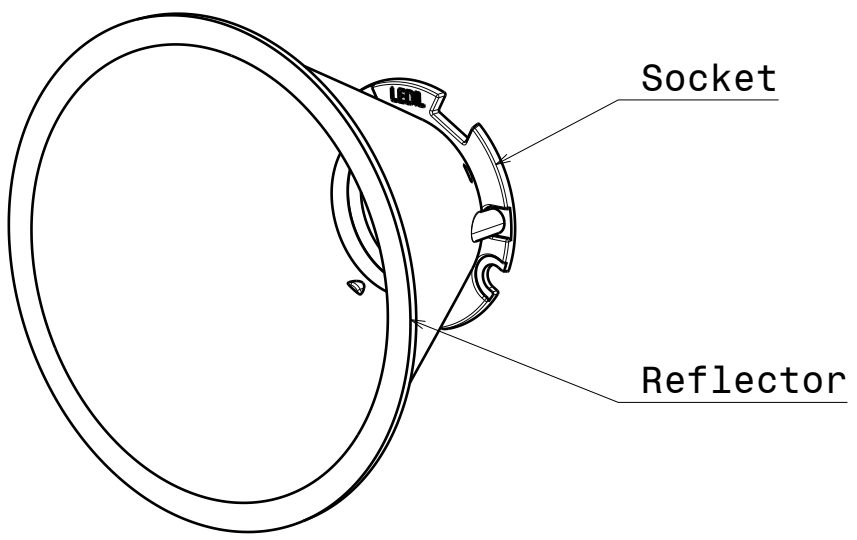
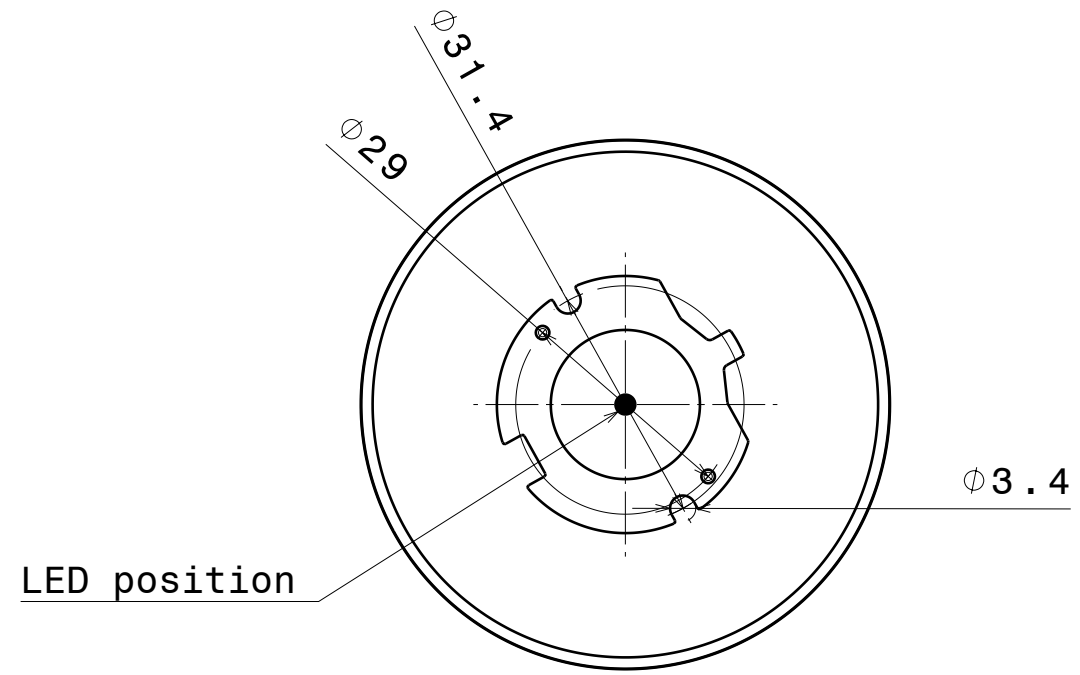
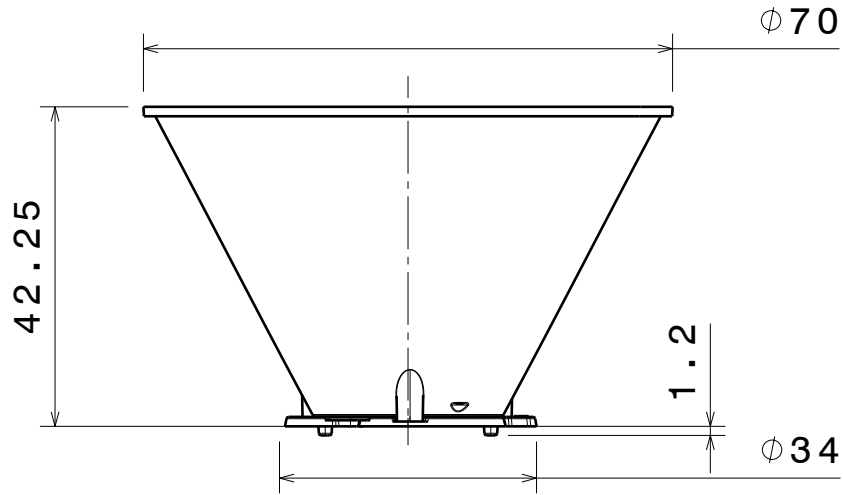
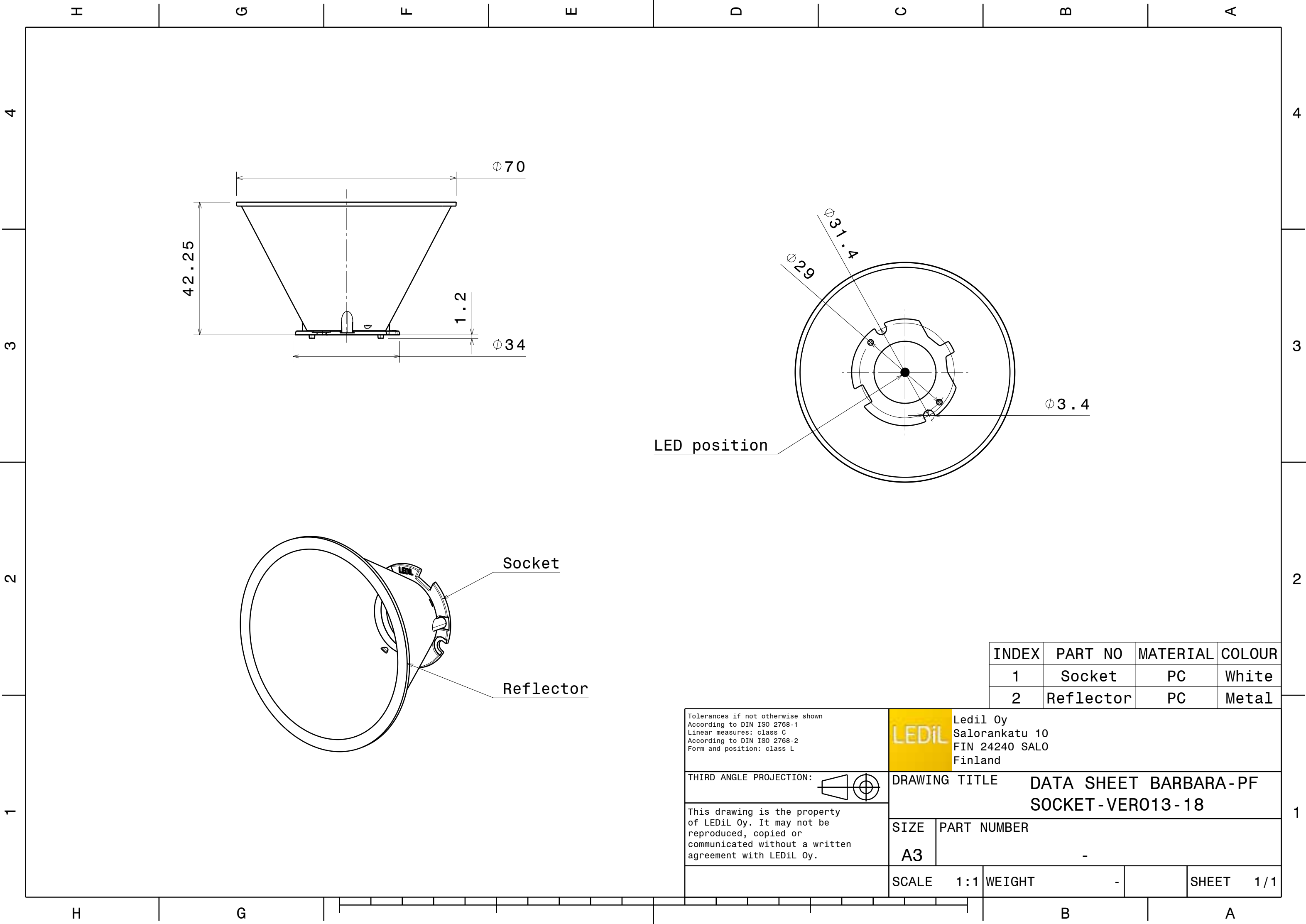
LED	Viewing	Light	Effi-		
	Angle	Beam	ciency	cd/lm	Connector
CXM-14	sim: 16	Spot	sim: 88 %	sim: 5.130	Bender Wirth: 433 Typ L1
ZC12/18	sim: 16	Spot	sim: 88 %	sim: 5.100	Bender Wirth: 433 Typ L1
CXM-9	sim: 12	Spot	sim: 89 %	sim: 9.200	Bender Wirth: 434 Typ L1
ZC4/6	sim: 12	Spot	sim: 89 %	sim: 9.200	Bender Wirth: 434 Typ L1
LC020C	sim: 10	Spot	sim: 89 %	sim: 12.300	Bender Wirth: 479 Typ L1
LC010C	sim: 9,1	Spot	sim: 89 %	sim: 16.300	Bender Wirth: 479 Typ L1
LC040C	sim: 13	Spot	sim: 85 %	sim: 7.300	Bender Wirth: 480 Typ L1
Soleriq P9	12 deg	Spot	92 %	9.600	Bender Wirth: 461 Typ L1
Soleriq P6	12 deg	Spot	89 %	12.000	Bender Wirth: 446 Typ L1
CLL02x/CLU02x (LES10)	12 deg	Spot	89 %	9.200	Bender Wirth: 434 Typ L1
V8	13 deg	Spot	86 %	10.600	Bender Wirth: 460 Typ L1
NSBxL066A/NFCxL036B	13 deg	Spot	90 %	8.400	Bender Wirth: 438 Typ L1
SLE G5 LES11	13 deg	Spot	91 %	8.500	Bender Wirth: 434 Typ L1
LUXEON CoB 1202/1203	14 deg	Spot	88 %	7.300	Bender Wirth: 438 Typ L1
Soleriq S13	14 deg	Spot	89 %	6.200	Bender Wirth: 437 Typ L1
CXA/B 1816 & CXA/B 1820 & CXA 1850	14 deg	Spot	86 %	6.100	Bender Wirth: 437 Typ L1
L121A/L060B/L024Z	14 deg	Spot	86 %	6.100	Bender Wirth: 438 Typ L1
CLU720	14 deg	Spot	87 %	7.300	Bender Wirth: 433 Typ L1
VERO13	15 deg	Spot	91 %	6.800	-
CXA/B 15xx	15 deg	Spot	89 %	6.900	Bender Wirth: 441 Typ L1
Soleriq P13	16 deg	Spot	91 %	5.400	Bender Wirth: 437 Typ L1
CLL03x/CLU03x	16 deg	Spot	88 %	5.100	Bender Wirth: 433 Typ L1
J216A/J130B/J108B/J048Z	17 deg	Spot	88 %	4.600	Bender Wirth: 463 Typ L2
V15	18 deg	Spot	92 %	4.750	Bender Wirth: 456 Typ L2
LC026B/LC040B	20 deg	Spot	88 %	3.700	Bender Wirth: 450 Typ L2

Relative intensity of FCN13925_BARBARA-S-PF-VERO13_18_(V8)



Relative intensity of FCN13925_BARBARA-S-PF-VERO13_18_(V15)

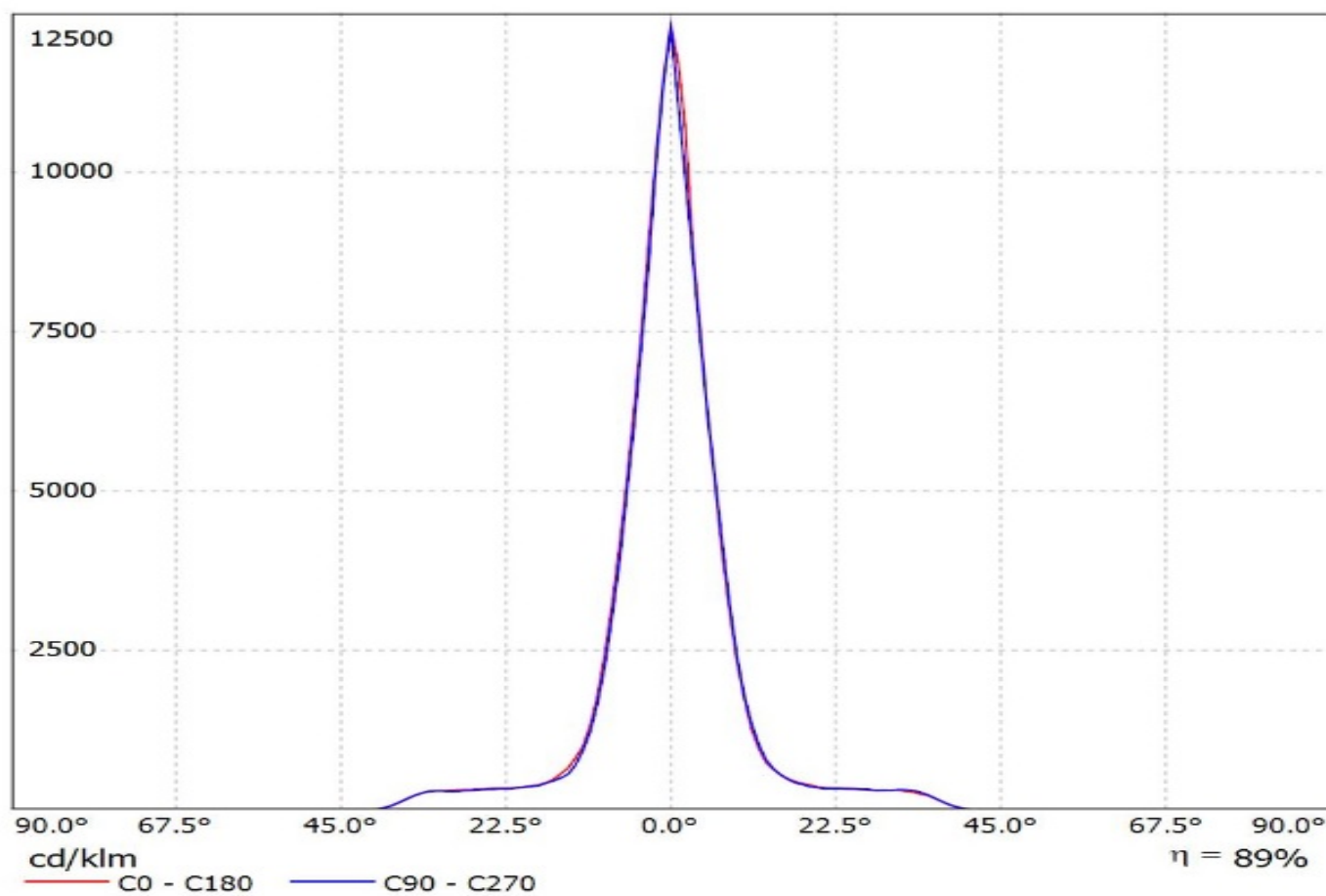




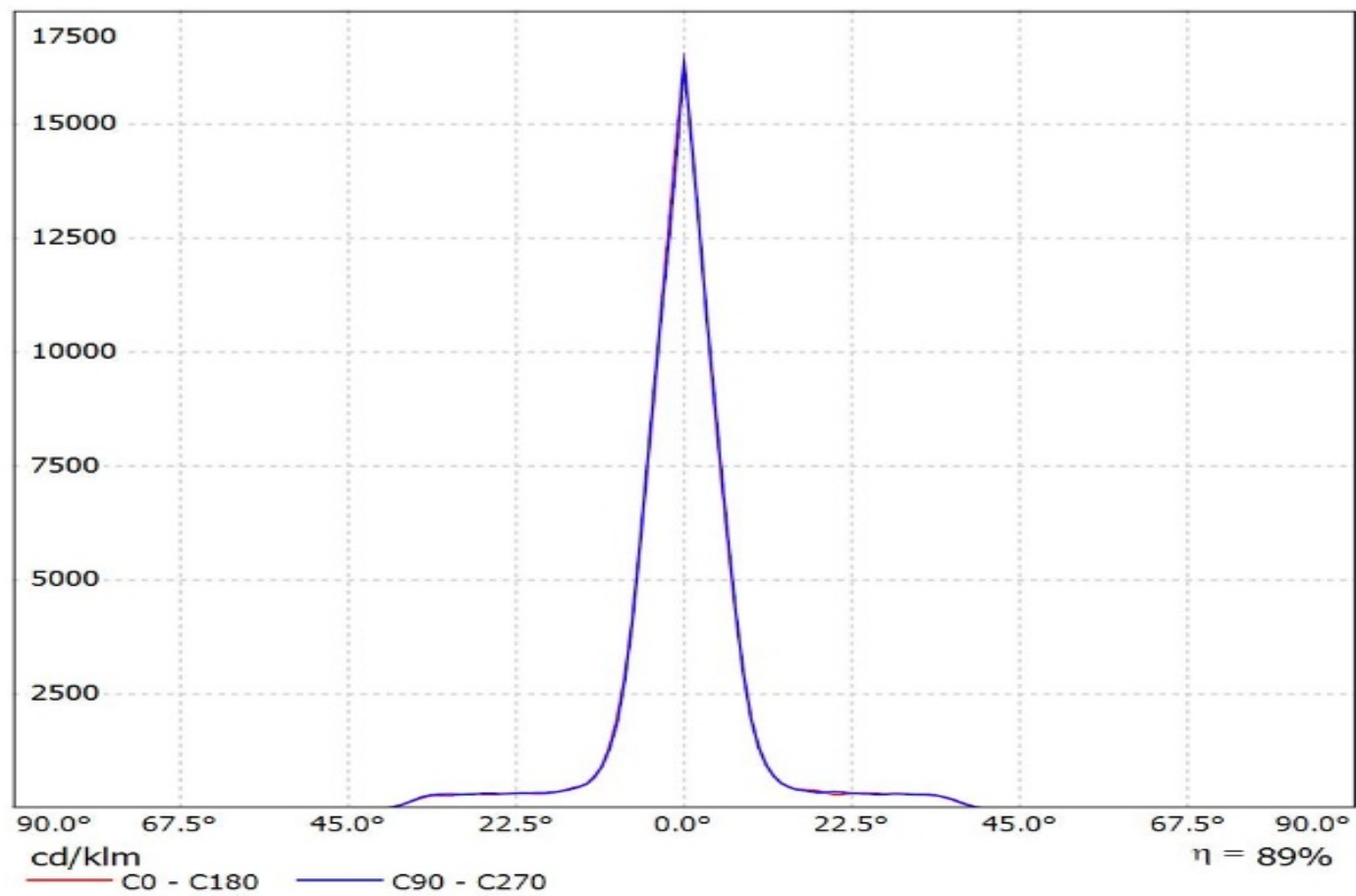
INDEX	PART NO	MATERIAL	COLOUR
1	Socket	PC	White
2	Reflector	PC	Metal

Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: 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 BARBARA-PF SOCKET-VERO13-18	
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.		SIZE A3	PART NUMBER -
		SCALE 1:1	WEIGHT - SHEET 1/1

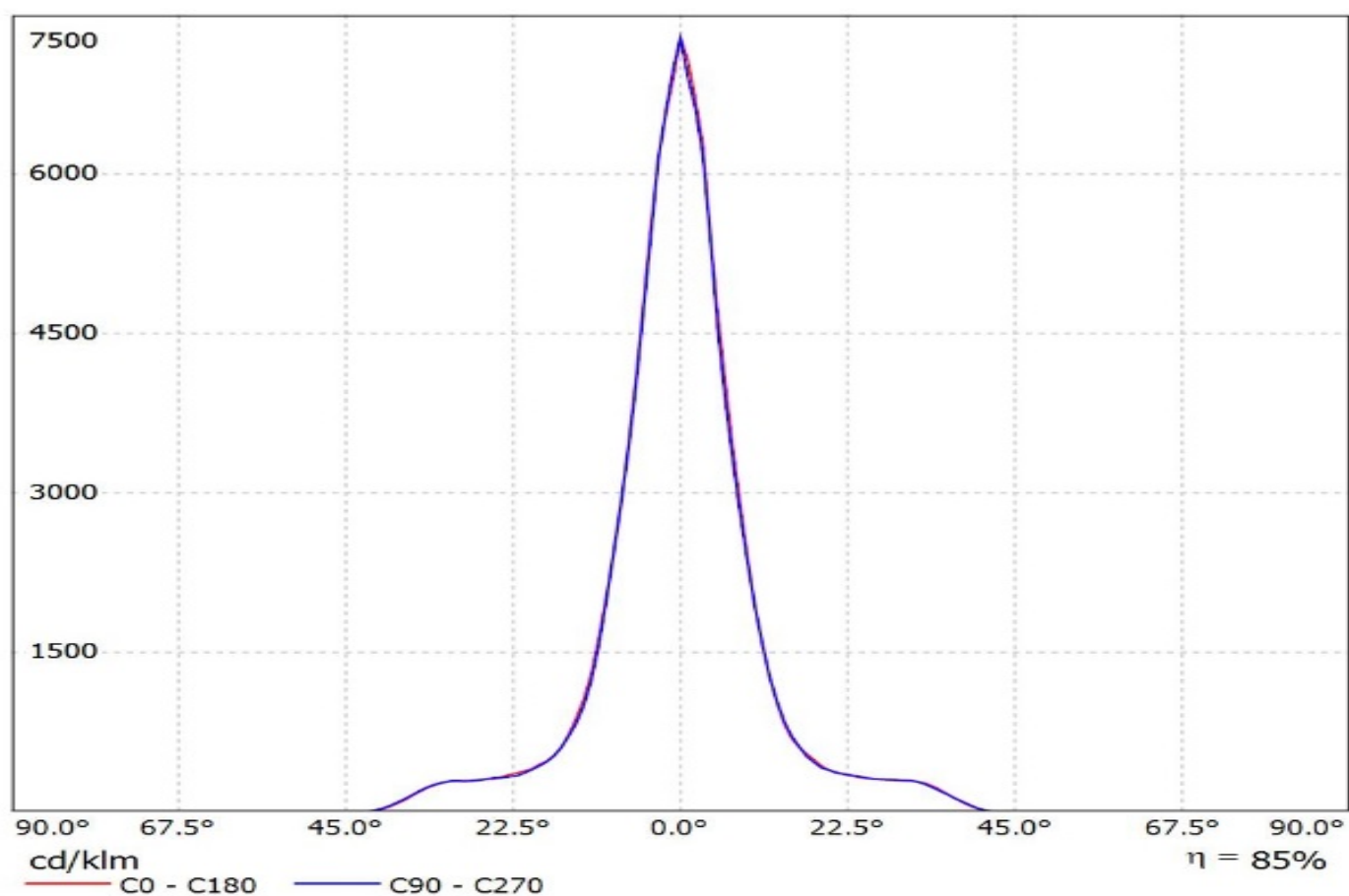
Luminaire: Ledil Oy FCN13925_BARBARA-S-PF-VERO13-18_(LC020C)_(B+W_479_Typ_L1)_SIMULATED
Lamps: 1 x Samsung LC020C + Bender & Wirth 479 Type L1



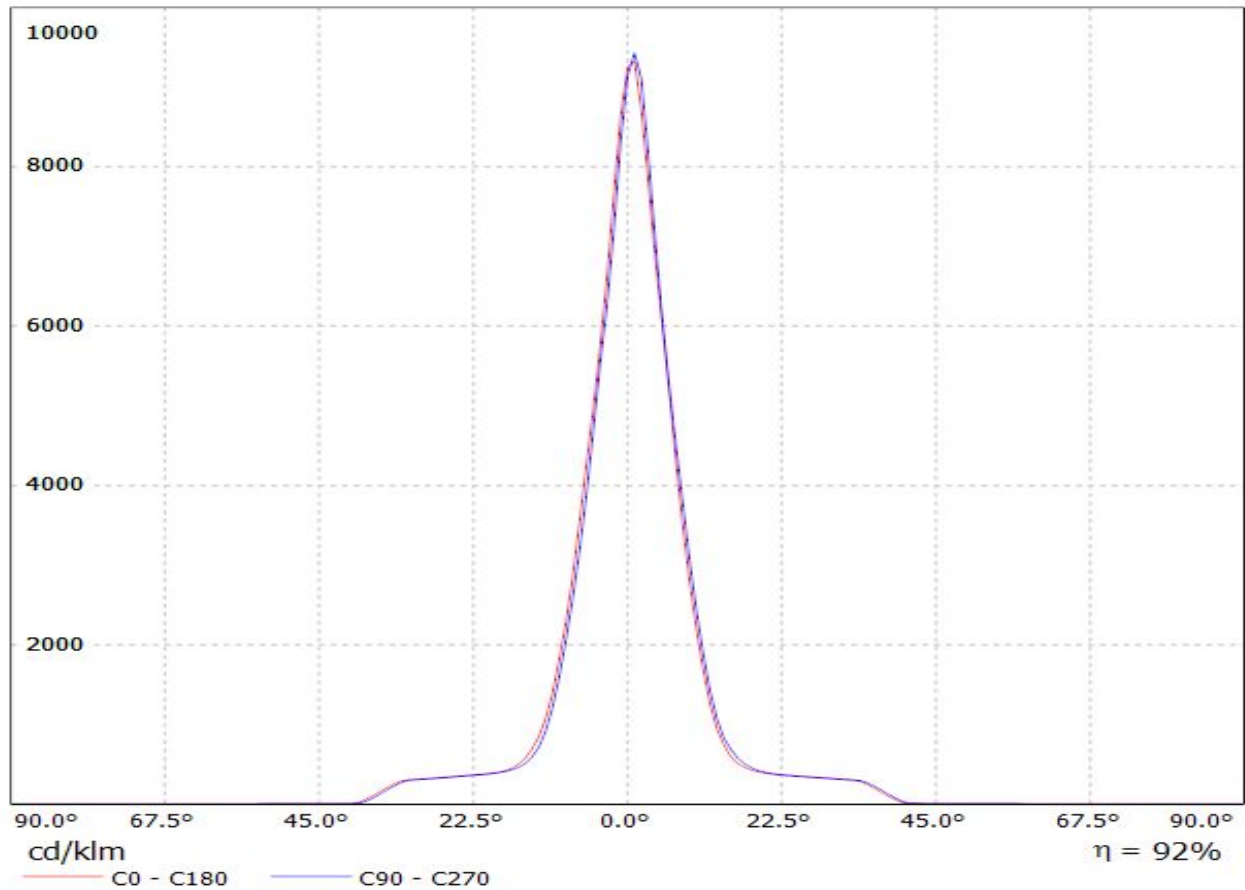
Luminaire: Ledil Oy FCN13925_BARBARA-S-PF-VERO13-18_(LC010C)_(B+W_479_Typ_L1)_SIMULATED
Lamps: 1 x Samsung LC010C + Bender & Wirth 479 Type L1



Luminaire: Ledil Oy FCN13925_BARBARA-S-PF-VERO13-18_(LC040C)_(B+W_480_Typ_L1)_SIMULATED
Lamps: 1 x Samsung LC040C + Bender & Wirth 480 Type L1



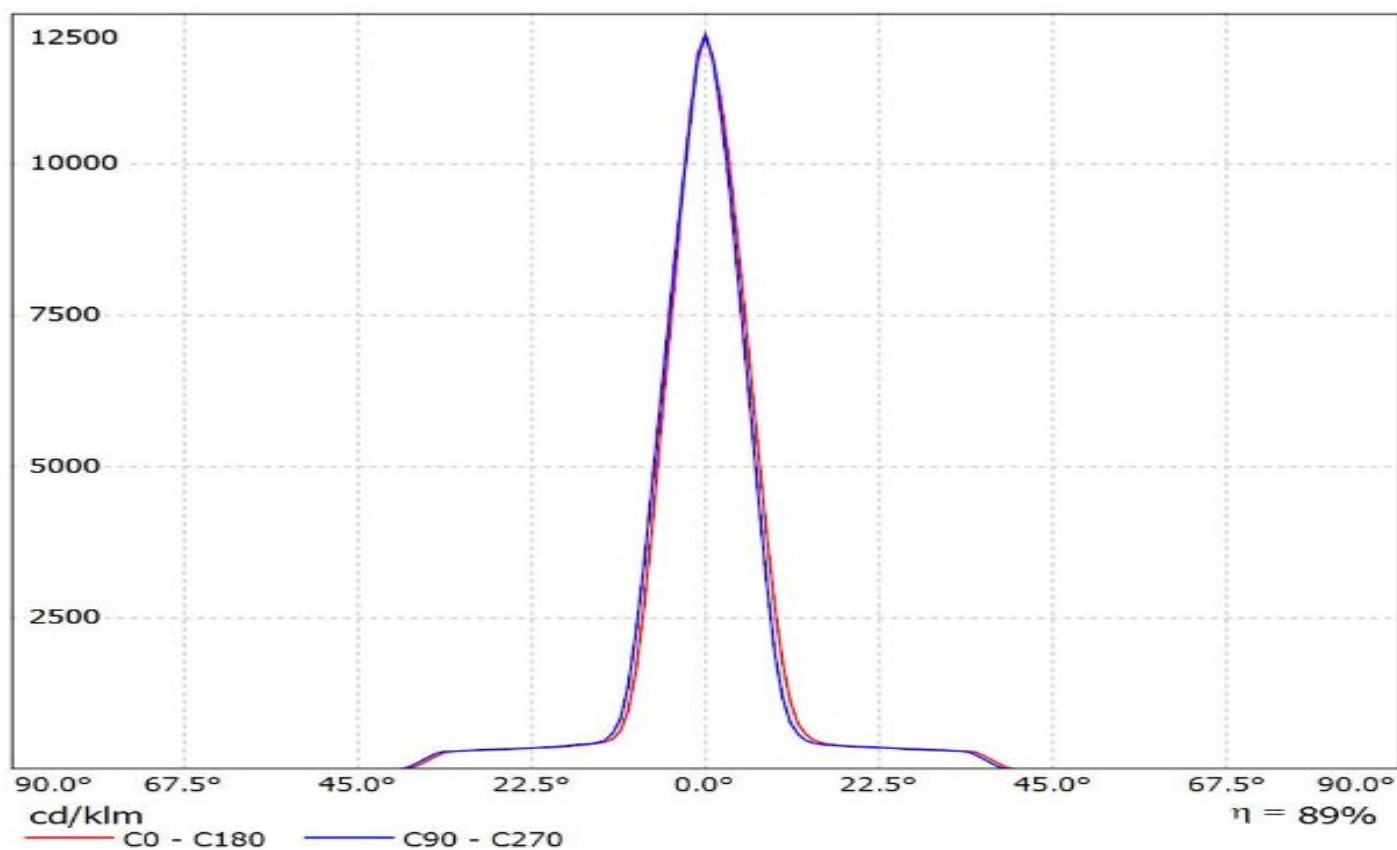
Luminaire: LEDiL Oy FCN13925_BARBARA-S-PF-VERO13/18_(Soleriq_P9)_Bender+Wirth_connector_461
Lamps: 1 x Osram_Soleriq_P9_(GQ_MAFJB1.EM)_875.631lm@250mA_P=6.94894W_l=0.2498A



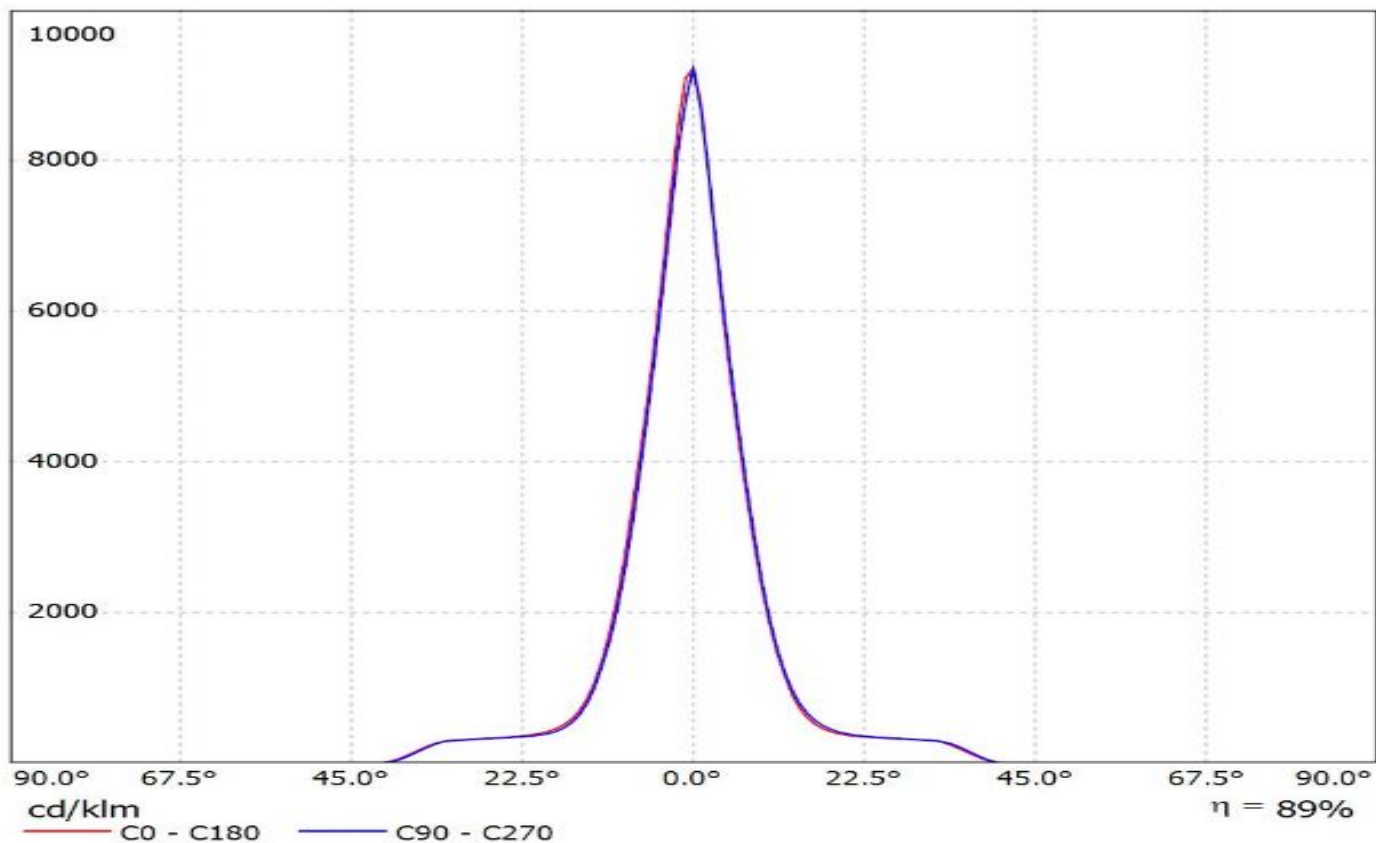
Ledil FCN13925_BARBARA-S-PF-VERO13/18_(P6) / LDC (Linear)

Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(P6)

Lamps: 1 x Osram_Soleric_P6_(GW_MAEGB1.EM)_504.127lm@250mA_P=6.28598W_I=0.25A

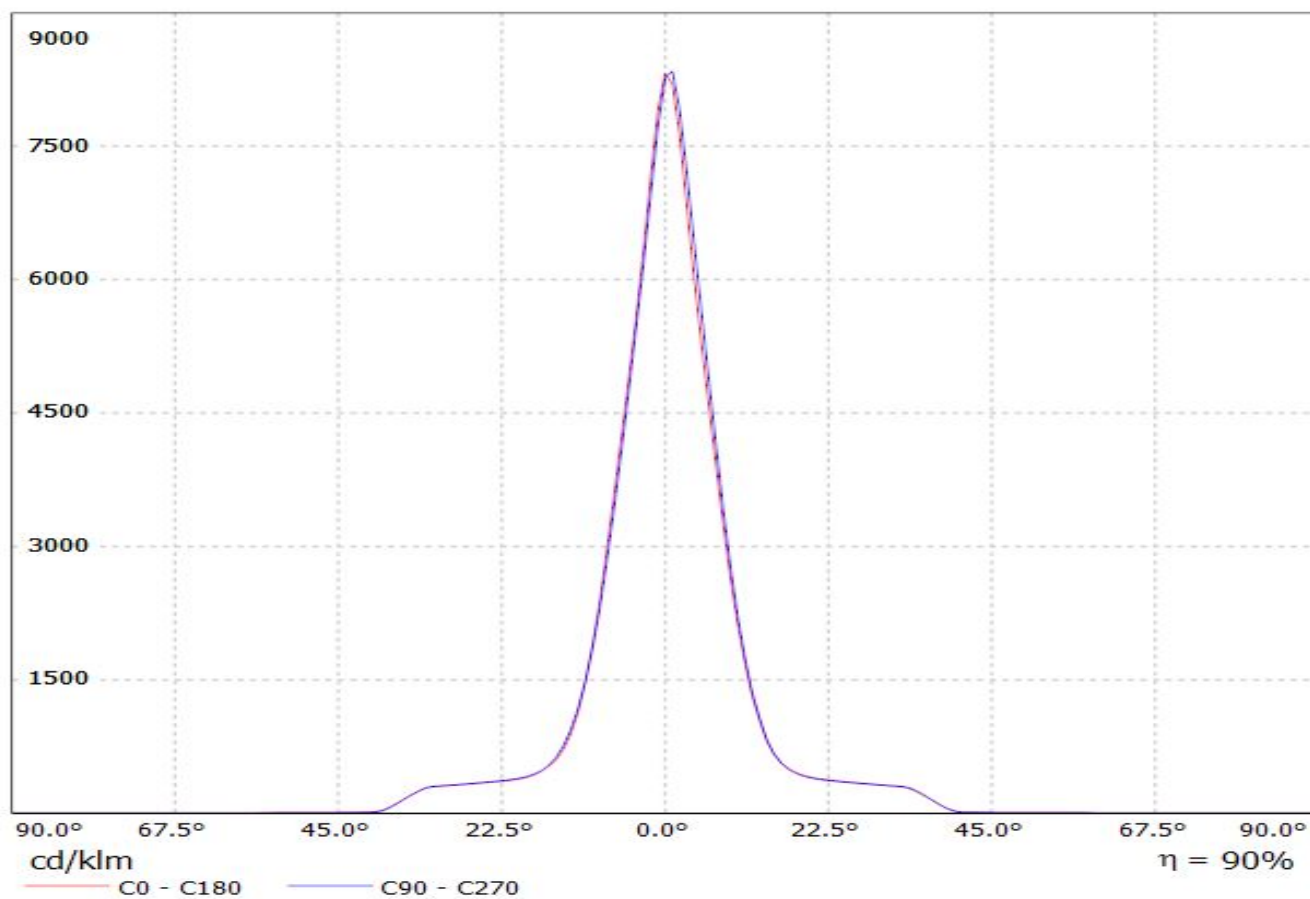


Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(CLU024) Citizen_CLU024_(434_Typ_L1)_
(C13709_PF-SOCKET-VERO13-18)_1065.5lm@250mA_P=8.55W_I=0.25A
Lamps: 1 x Citizen_CLU024_(434_Typ_L1)_ (C13709_PF-SOCKET-VERO13-18)
_1065.5lm@250mA_P=8.55W_I=0.25A

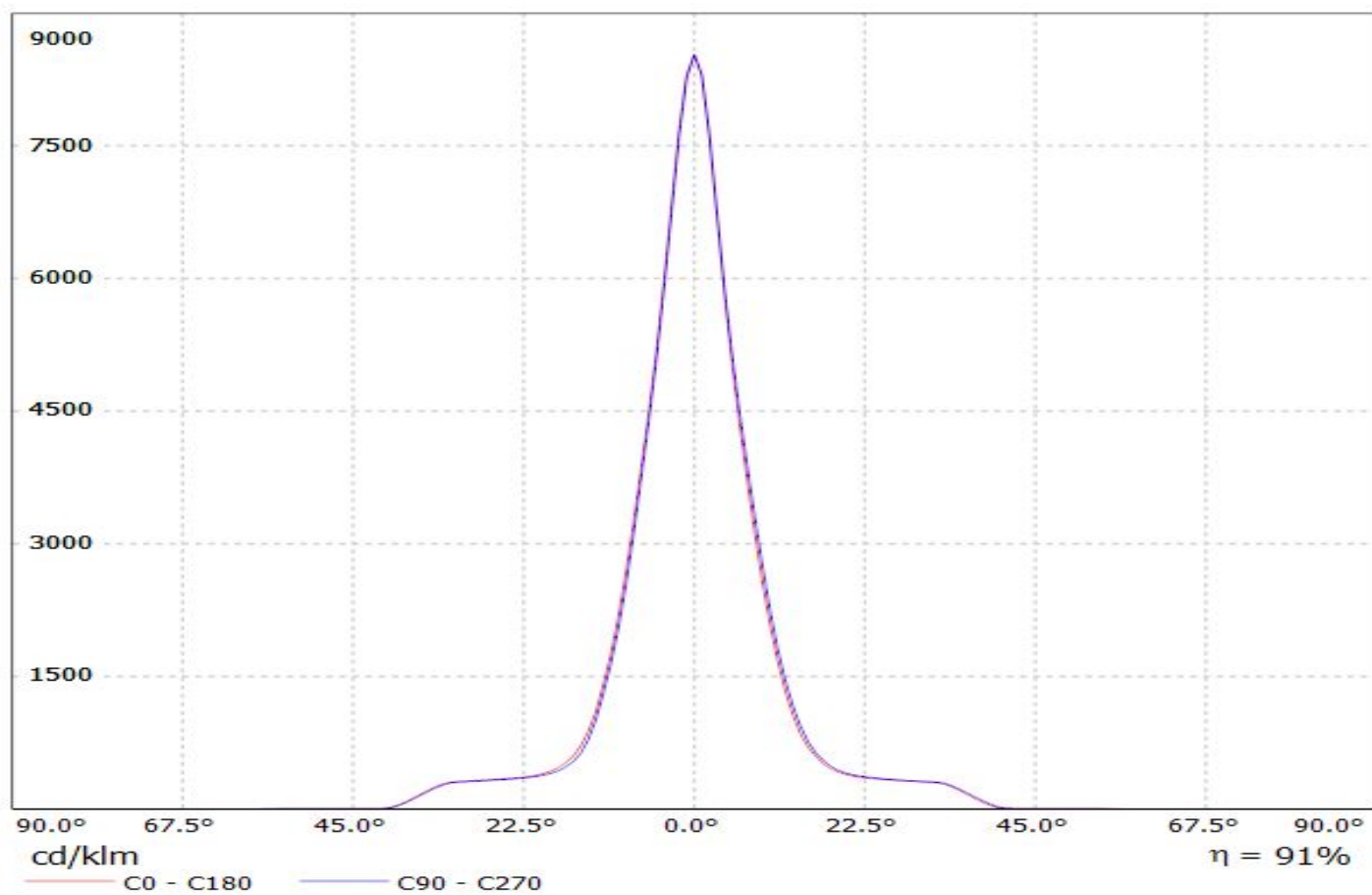


Luminaire: LEDiL Oy FCN13925_BARBARA-S-PF-VERO13/18_(NFCLL036B)

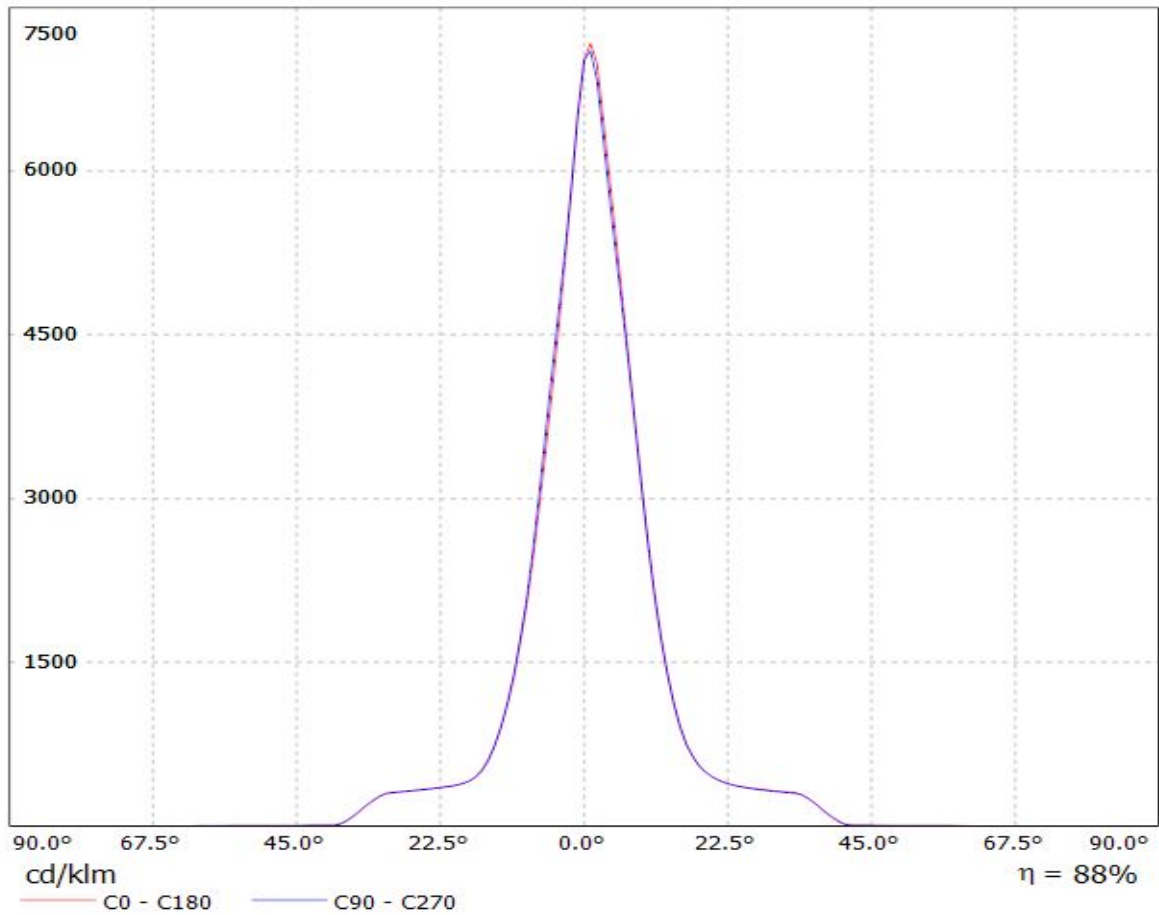
Lamps: 1 x Nichia NFCLL036B (sm403J1300R8000)_542.652lm@100mA_CCT=4000K_P=3.34084W_I=0.100A



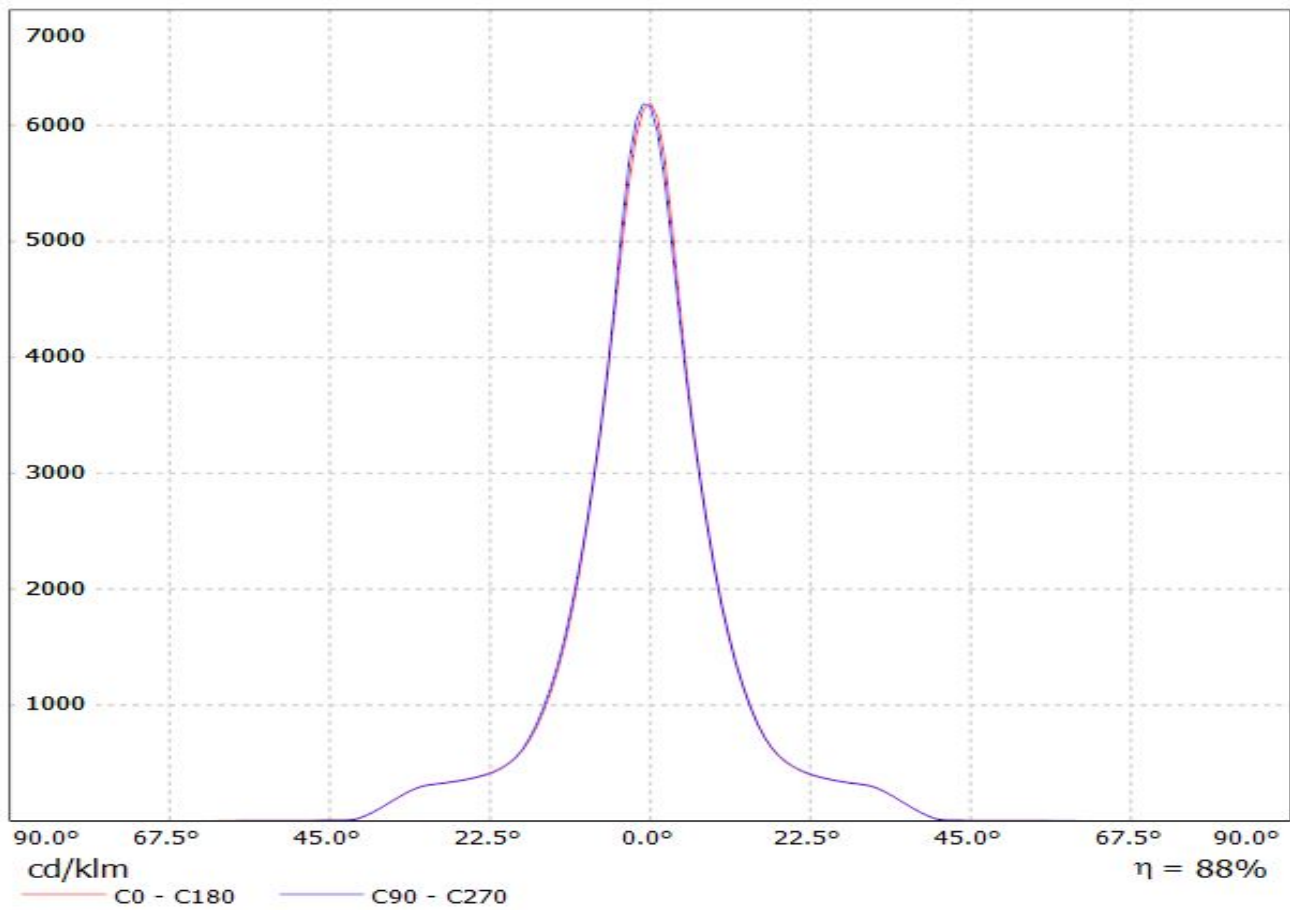
Luminaire: LEDiL Oy FCN13925_BARBARA-S-PF-VERO13/18_(SLE-G5_LES-11)
Lamps: 1 x Tridonic_SLE-G5_LES-11_1142.55lm@250mA_P=8.4070W_I=0.250A



Luminaire: LEDiL Oy FCN13925_BARBARA-S-PF-VERO13/18_(Luxeon_CoB_1203)_(438_Typ_L1)
Lamps: 1 x Luxeon_CoB_1203_(438_Typ_L1)_C13709_PF-SOCKET-VERO13-18_994.226lm@250mA_P=8.69429W_I=0.2498A



Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(Soleriq_S13)
Lamps: 1 x Osram_Soleriq_S13_(GW_KAGHB1.EM)_931.029lm@250mA_P=7.44679W_I=250mA

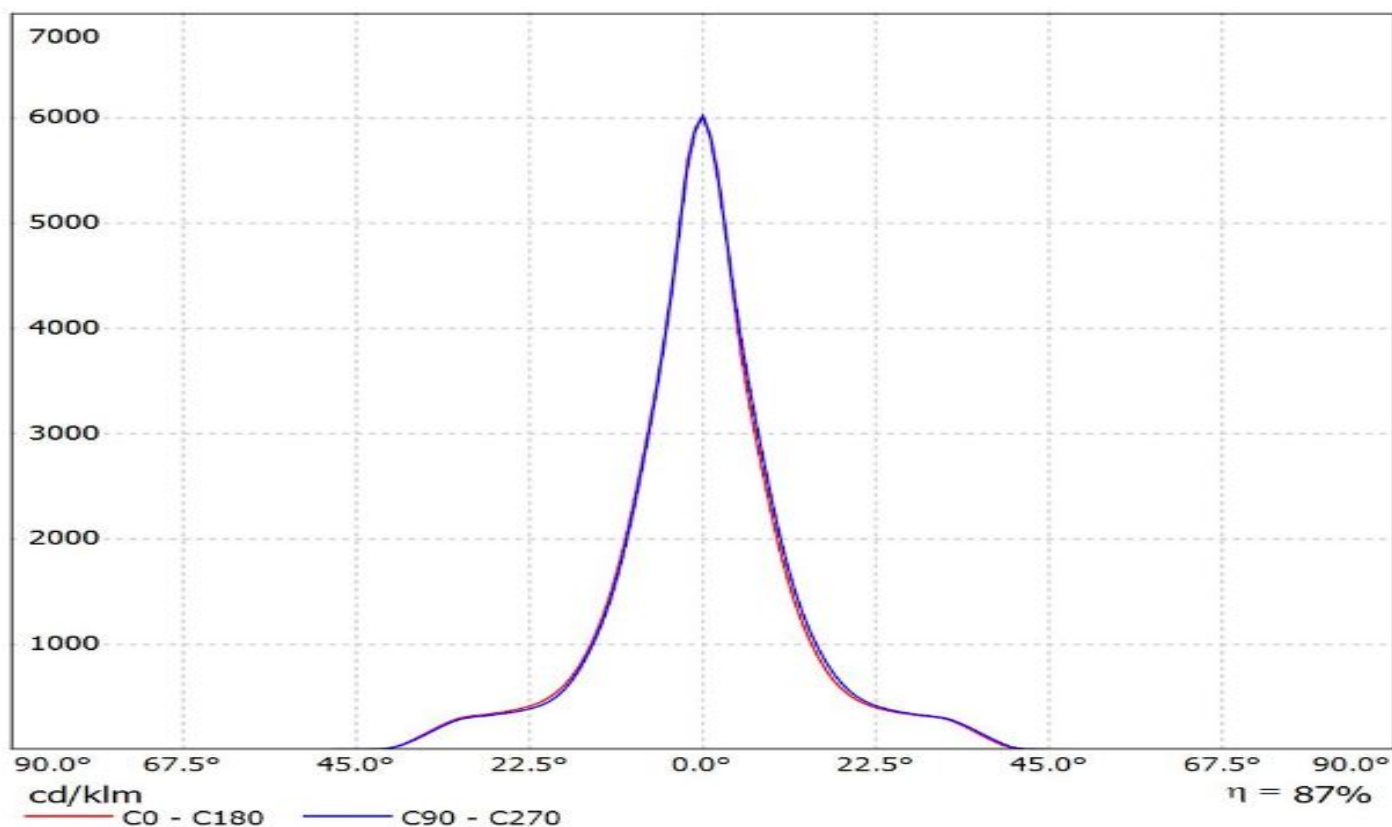


Ledil FCN13925_BARBARA-S-PF-VERO13-18_(CXA1850) / LDC (Linear)

Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13-18_(CXA1850)

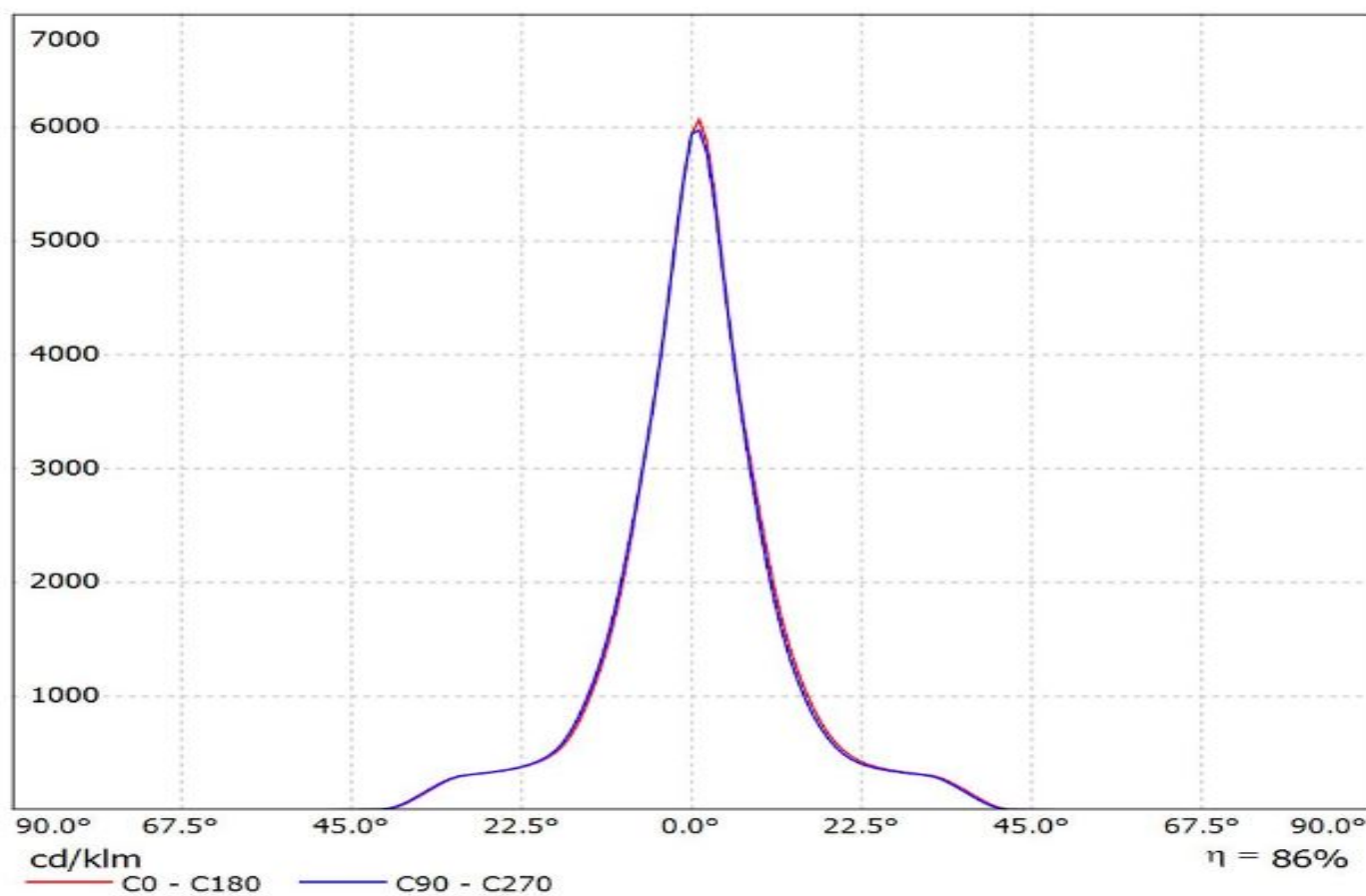
Lamps: 1 x CREE_CXA1850_(CXA1850-30F-T4-N0Y-00001)

_847.836lm@250mA_CCT=3000K_P=8.27W_I=0.25A



Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(NFCLL060B)

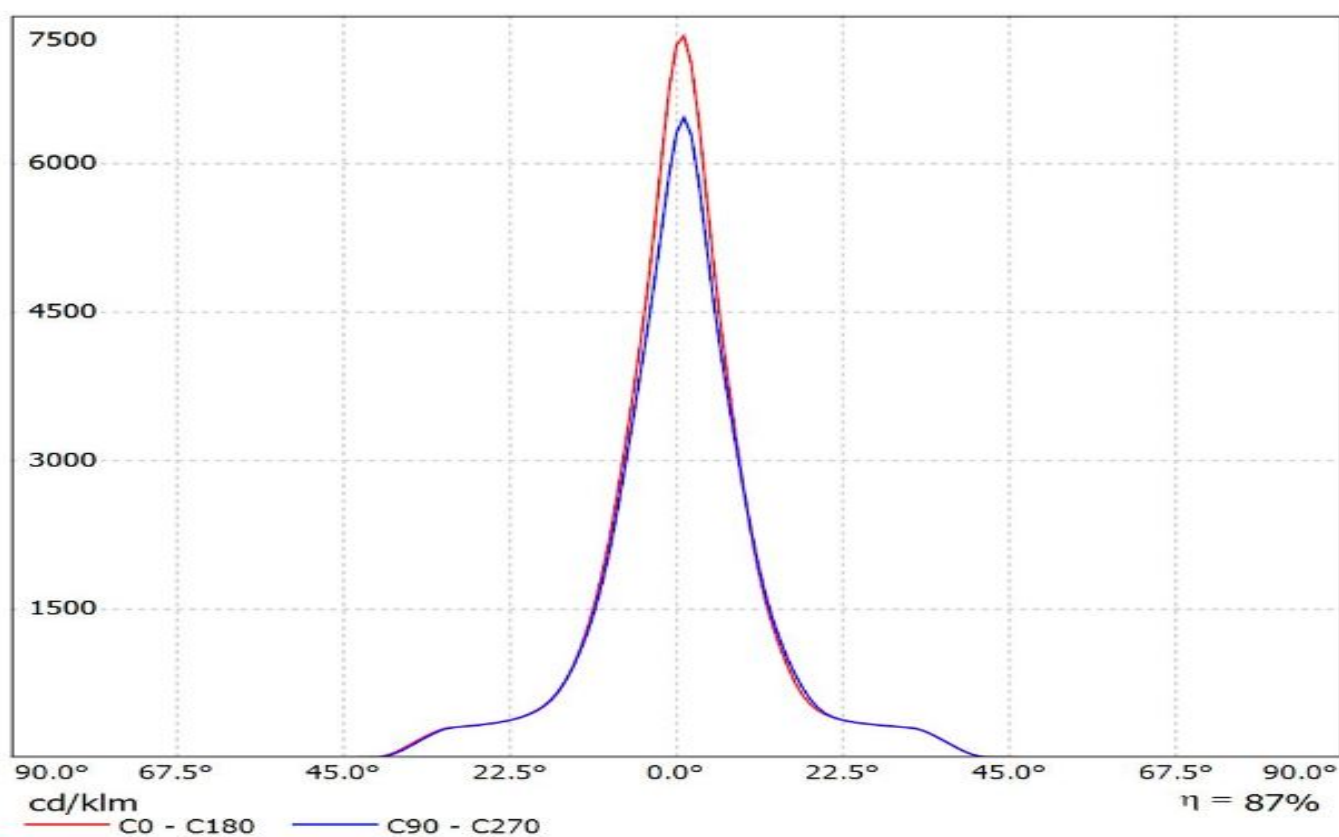
Lamps: 1 x Nichia_NFCLL060B_(438_TYP_L1)_1365.88lm@250mA_P=8.375W_I=0.25A



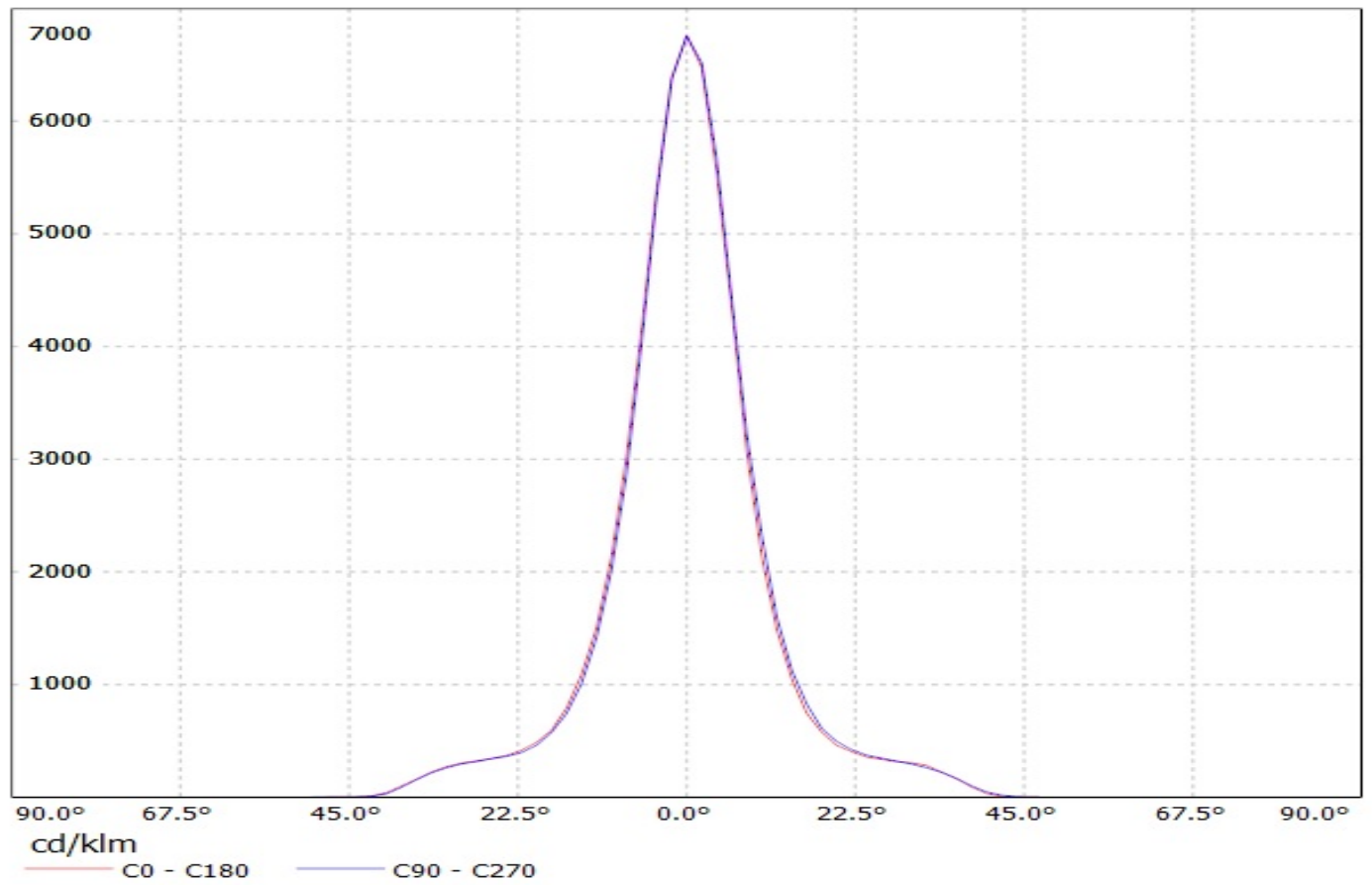
Ledil FCN13925_BARBARA-S-PF-VERO13/18_(CLU720) / LDC (Linear)

Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(CLU720)

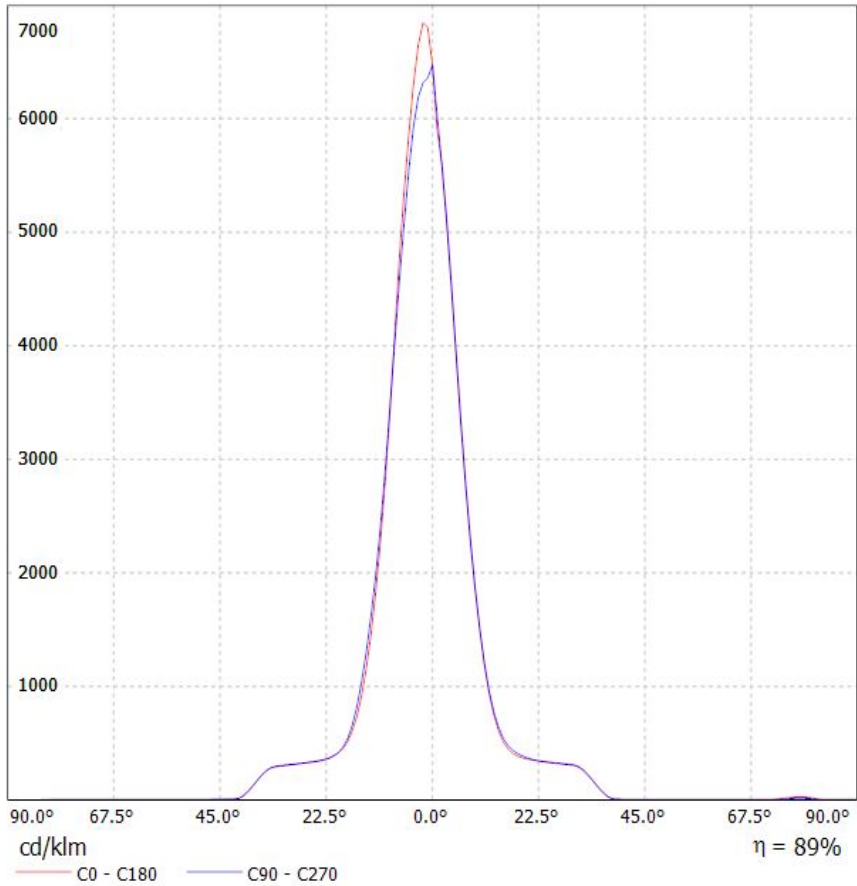
Lamps: 1 x Citizen_CLU720_(433_Typ_L1)_(C13709)_1233.32lm@250mA_P=8.3W_I=0.25A



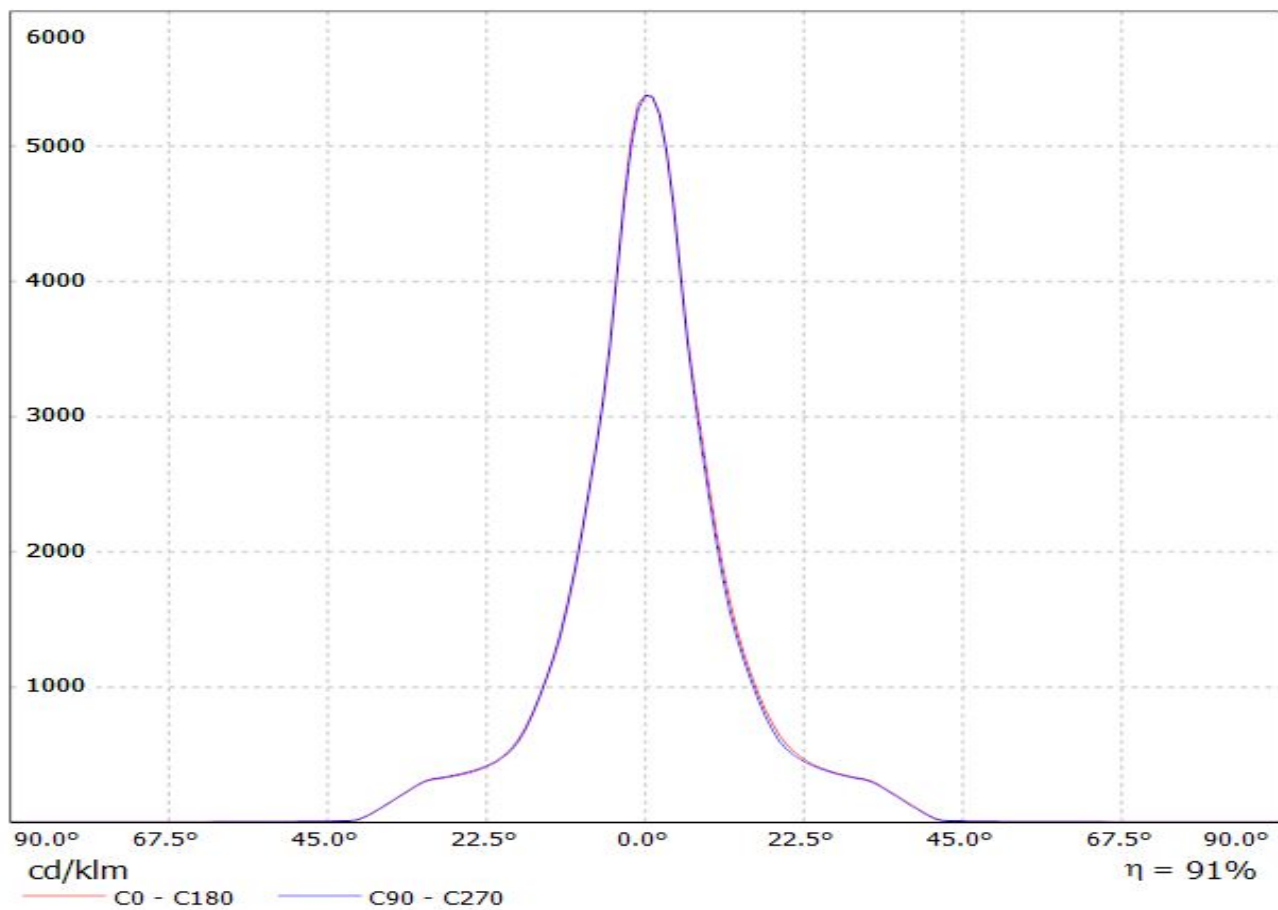
Luminaire: LEDil Oy FCN13925_BARBARA-S-PF-VERO1318_(VERO13) Efficiency=91%
Lamps: 1 x Bridgelux VERO13 (BXRC-40E2000C) 1046lm @ 250mA CCT=4000K P=7.6W I=250mA



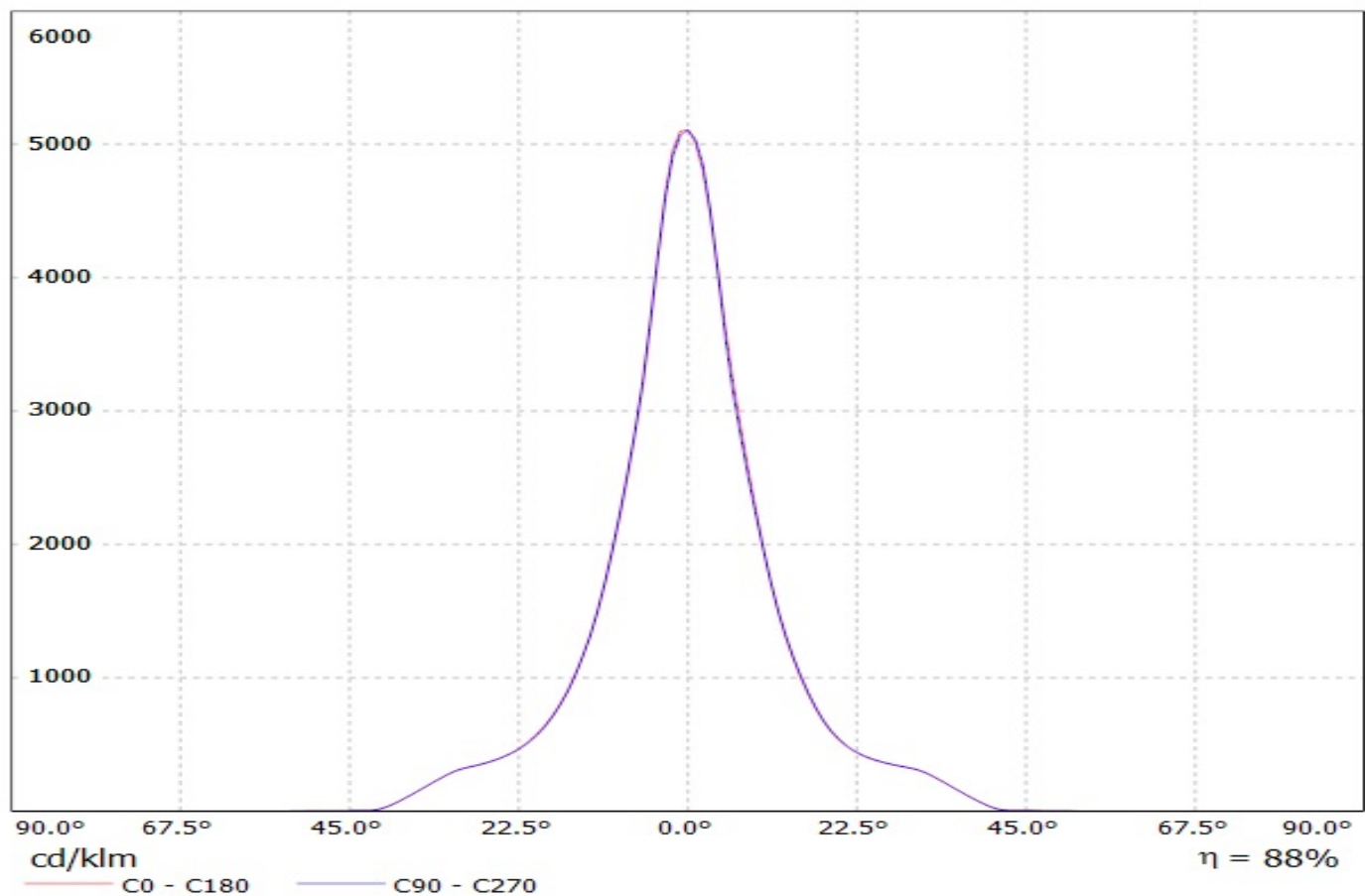
Luminaire: LEDiL Oy FCN13925_BARBARA-S-PF-VERO13/18_(CXA1520)_(441_Typ_L1) CXA1520_(CXA1520-30F-N4-N04-00001)_(441_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_995.617lm@250mA_P=8.72401W_I=0.2499A
Lamps: 1 x CXA1520_(CXA1520-30F-N4-N04-00001)_(441_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_995.617lm@250mA_P=8.72401W_I=0.2499A



Luminaire: LEDiL Oy FCN13925_BARBARA-S-PF-VERO13/18_(Soleriq P13)
Lamps: 1 x Osram Soleriq P13 (GW MAGMB1.EM)_921.649lm@250mA_CCT=3500K_P=8.8097W_I=0.25A



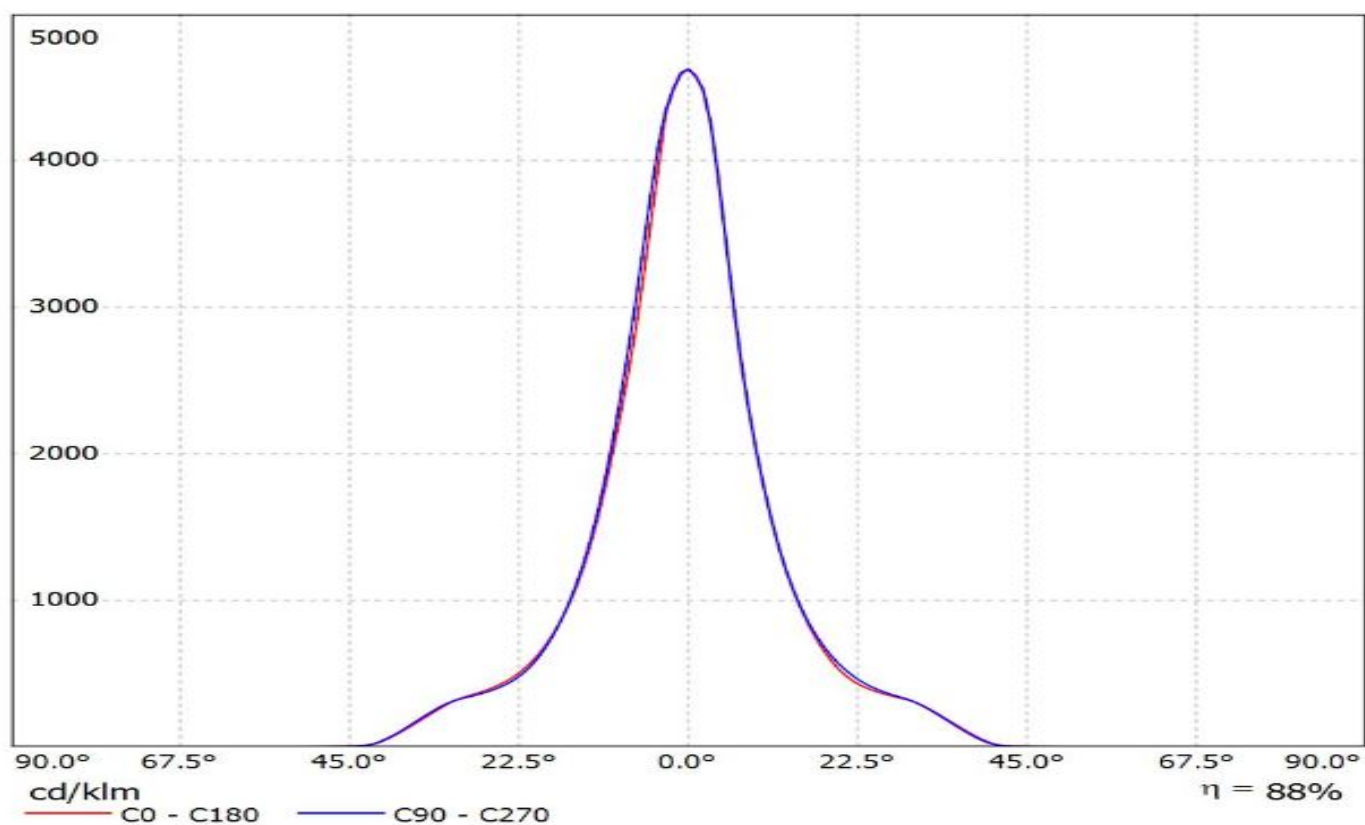
Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13-18_(CLU034)_(433_Typ_L1)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1180.79lm@250mA_P=8.50075W_I=0.25A



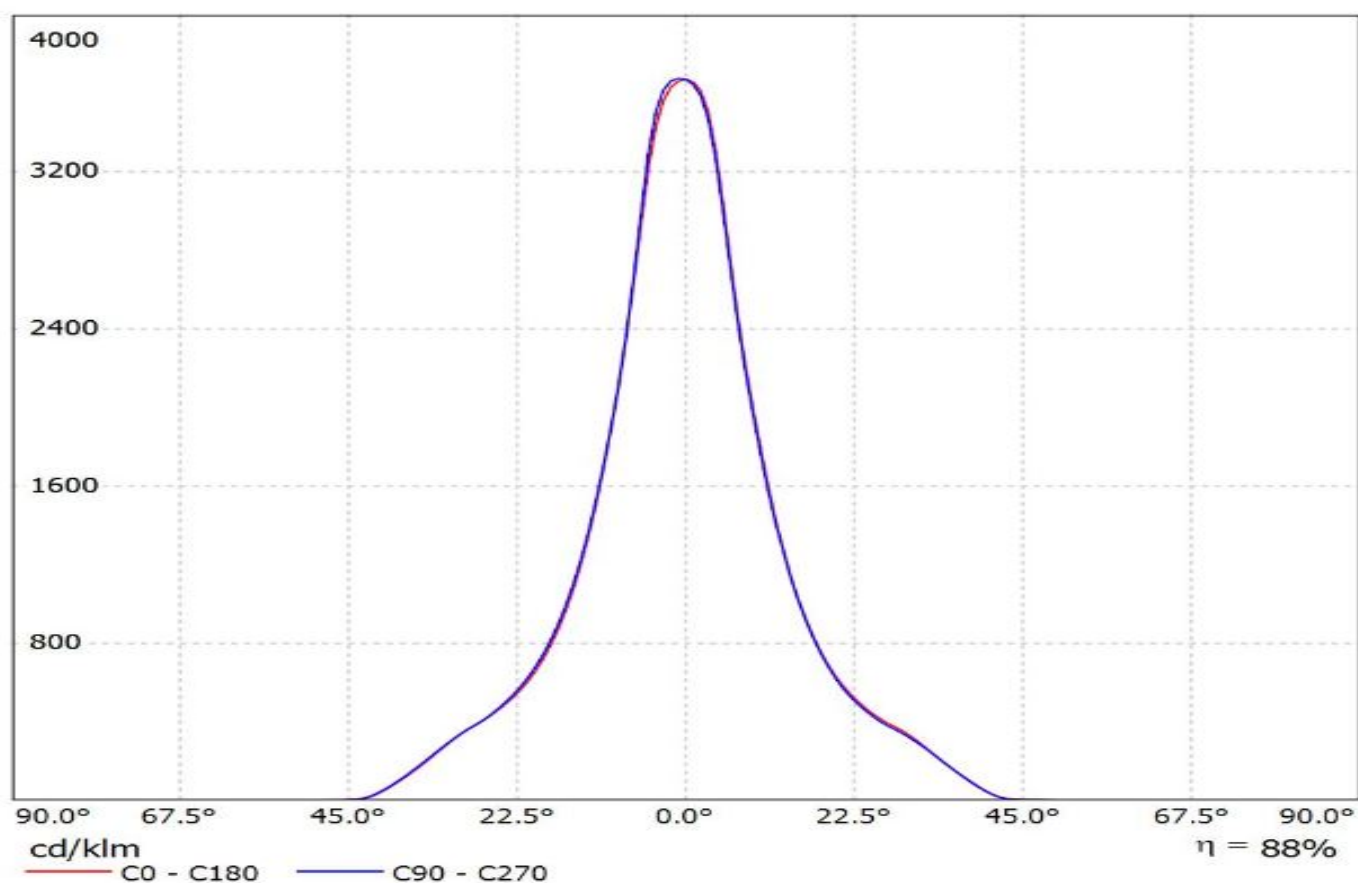
Ledil FCN13925_BARBARA-S-PF-VERO13/18_(NFDxJ130B) / LDC (Linear)

Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(NFDxJ130B)

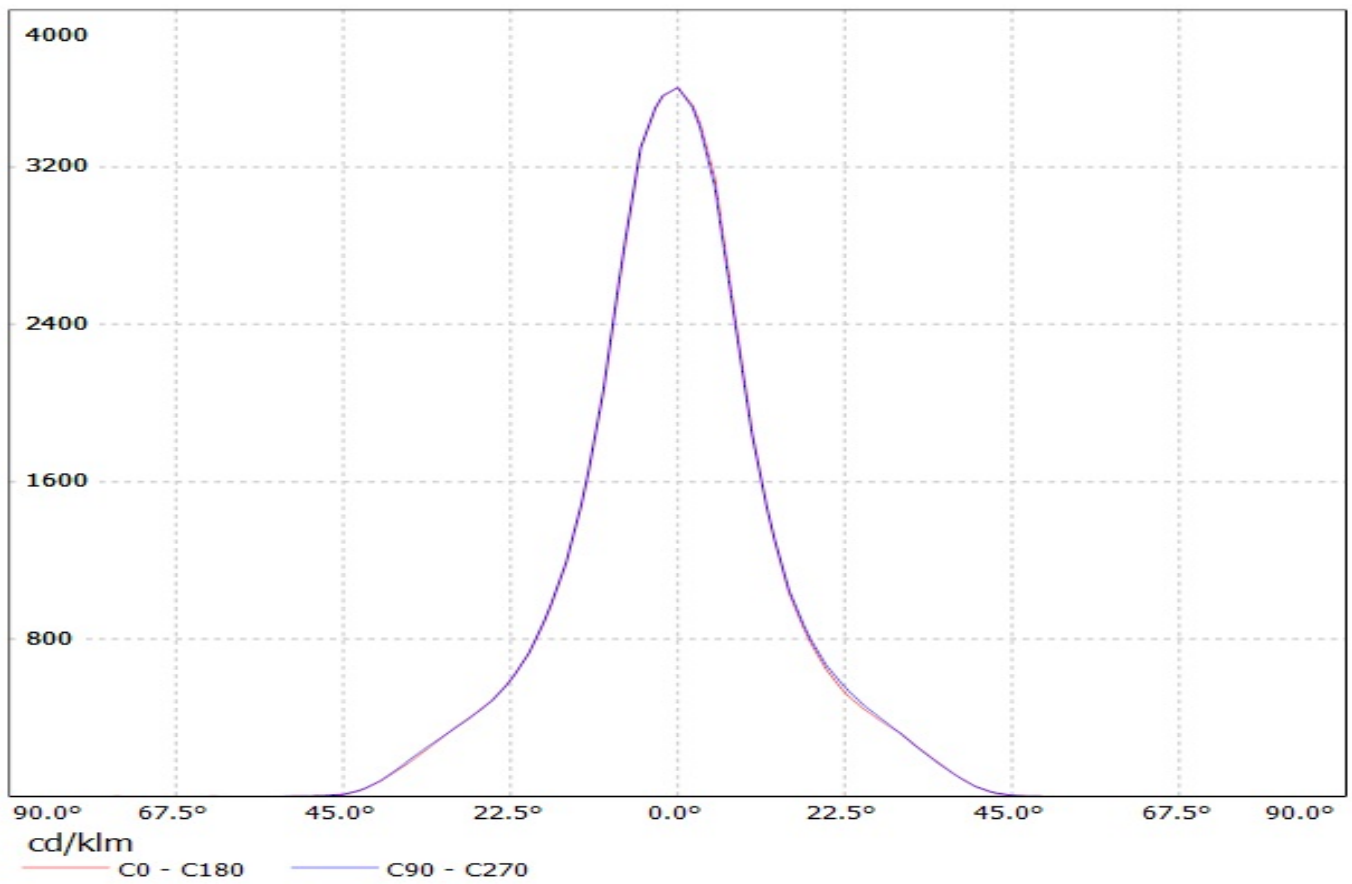
Lamps: 1 x Nichia_NFDxJ130B_(463 Typ L2)_C13709_PF-SOCKET-VERO13-18_1532.05lm@250mA_P=8.27W_I=0.25A



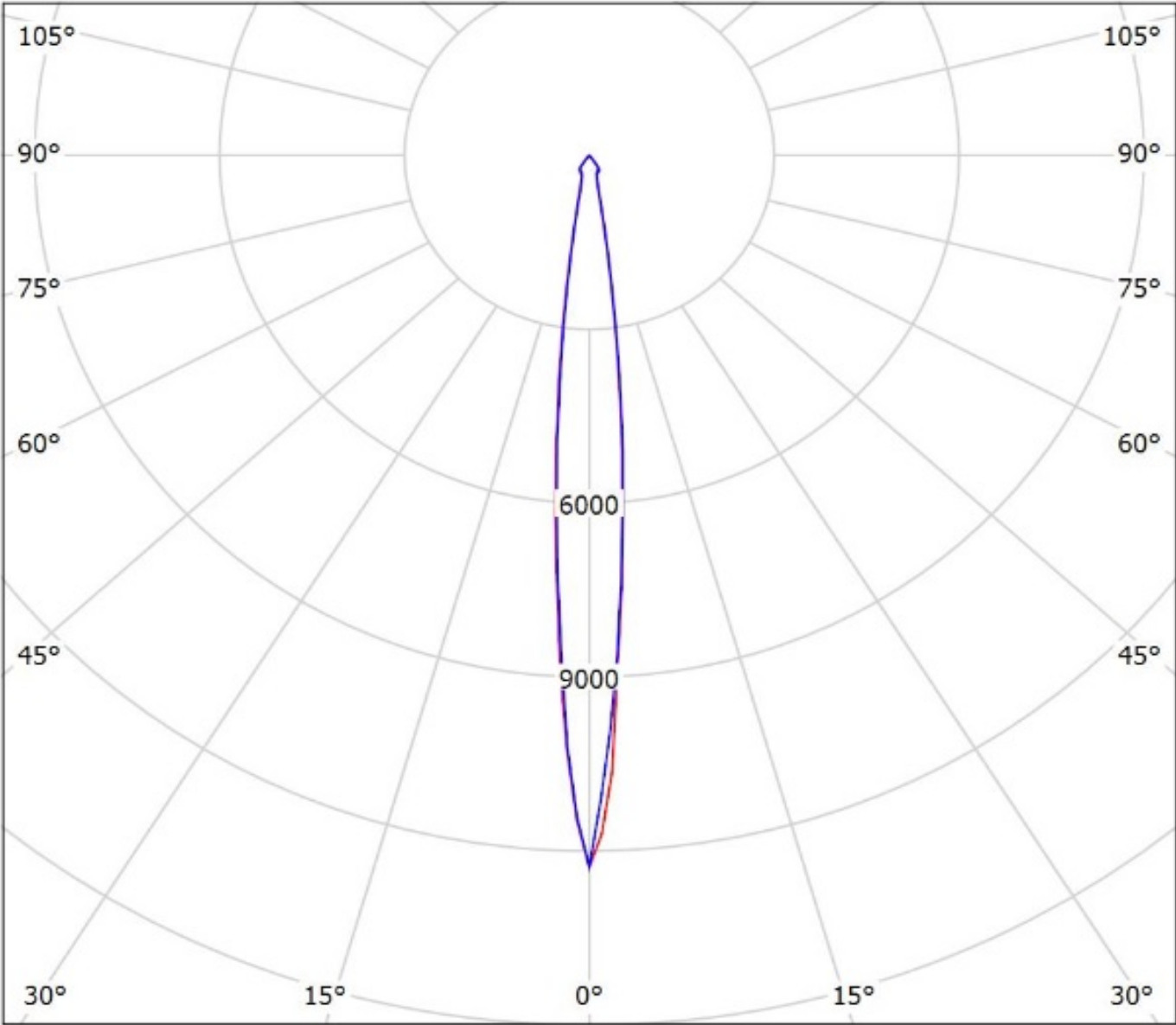
Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(LC040B)_(450_Typ_L2)_(C13709)
Lamps: 1 x Samsung_LC040B_(SPHWW1HDNE25010101)_CCT=3000k_(450_Typ_L2)_(C13709_PF-SOCKET-VERO13-18)_1115.79lm@250mA_P=8.075W_I=0.25A



Luminaire: LEDil Oy FCN13925_BARBARA-S-PF-VERO1318_(VERO18) Efficiency=91%
Lamps: 1 x Bridgelux VERO18 (BXRC-30E4000F) 877lm @ 250mA CCT=3200K P=6.8W I=250mA



Luminaire: Ledil Oy FCN13925_BARBARA-S-PF-VERO13-18_(LC020C)_(B+W_479_Typ_L1)_SIMULATED
Lamps: 1 x Samsung LC020C + Bender & Wirth 479 Type L1

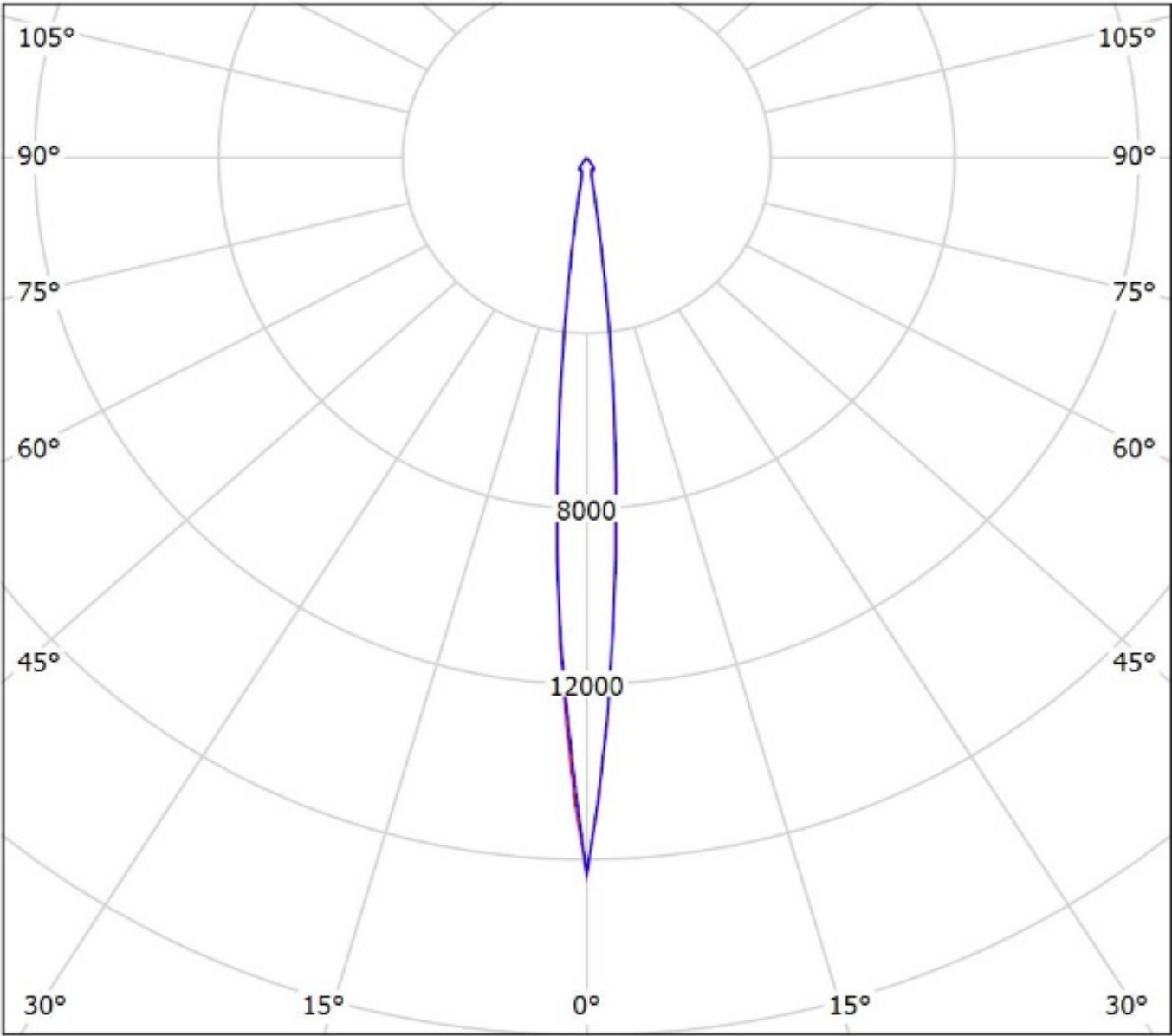


cd/klm

C0 - C180 C90 - C270

$\eta = 89\%$

Luminaire: Ledil Oy FCN13925_BARBARA-S-PF-VERO13-18_(LC010C)_(B+W_479_Typ_L1)_SIMULATED
Lamps: 1 x Samsung LC010C + Bender & Wirth 479 Type L1

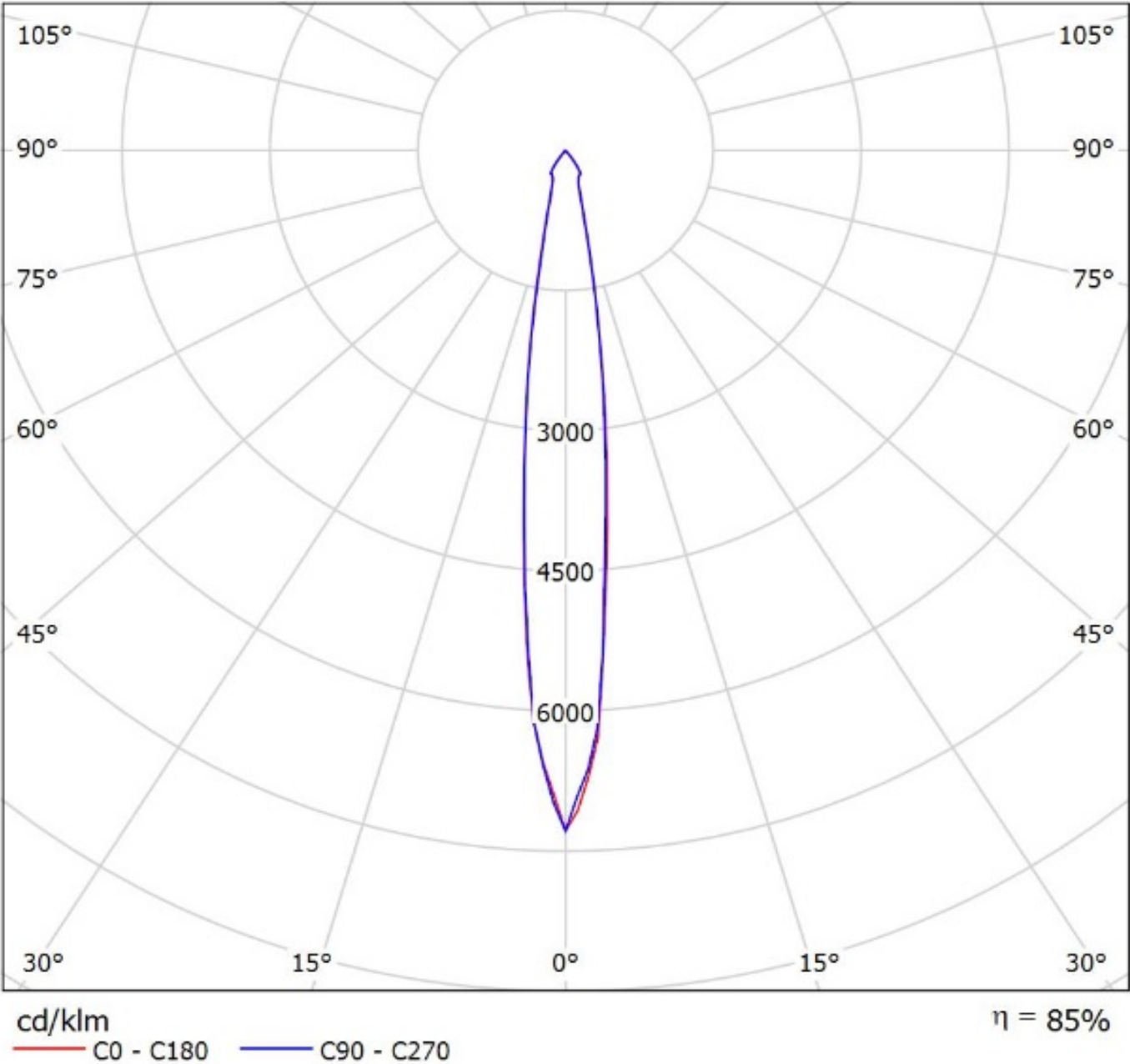


cd/klm

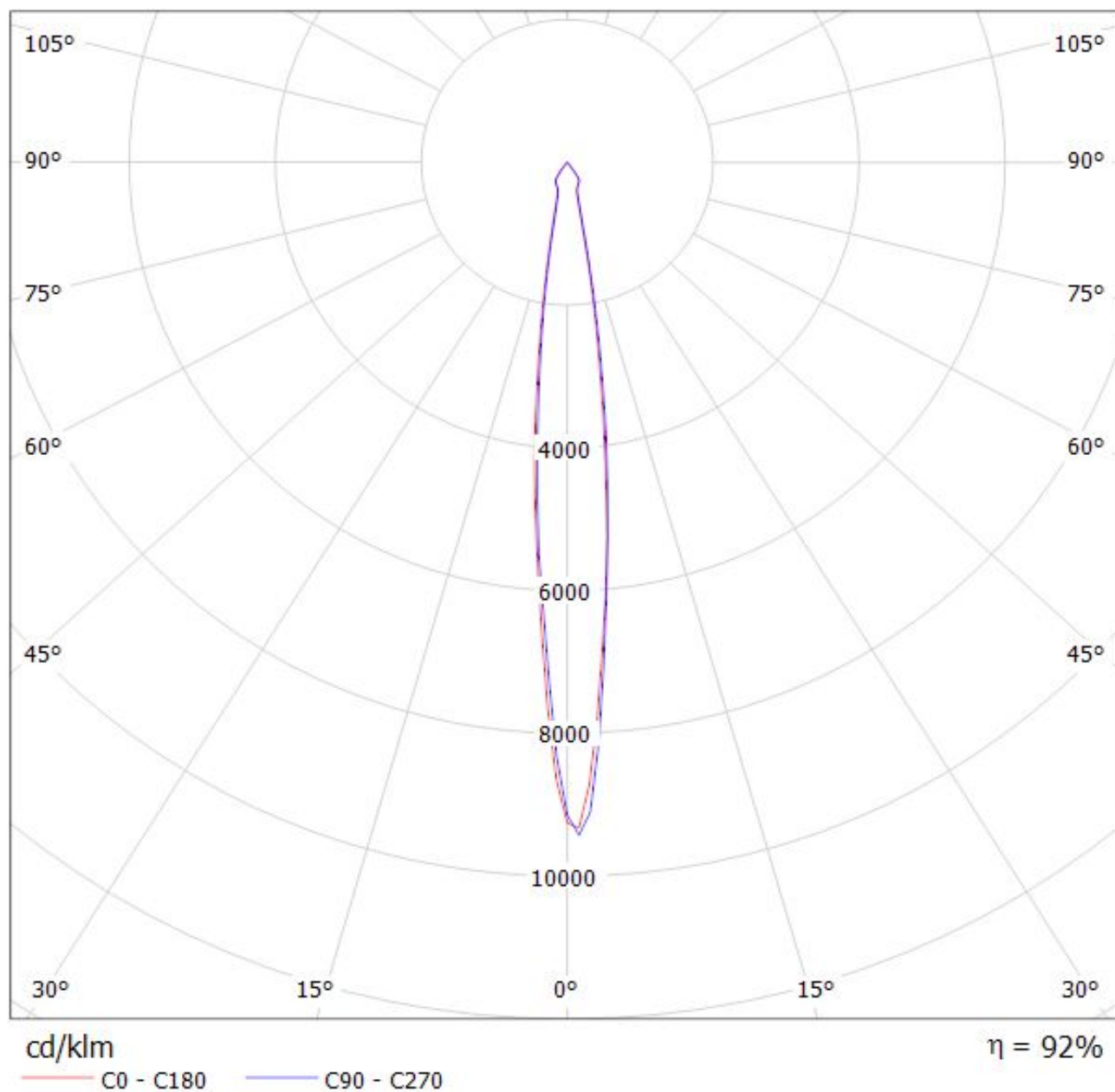
$\eta = 89\%$

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy FCN13925_BARBARA-S-PF-VERO13-18_(LC040C)_(B+W_480_Typ_L1)_SIMULATED
Lamps: 1 x Samsung LC040C + Bender & Wirth 480 Type L1



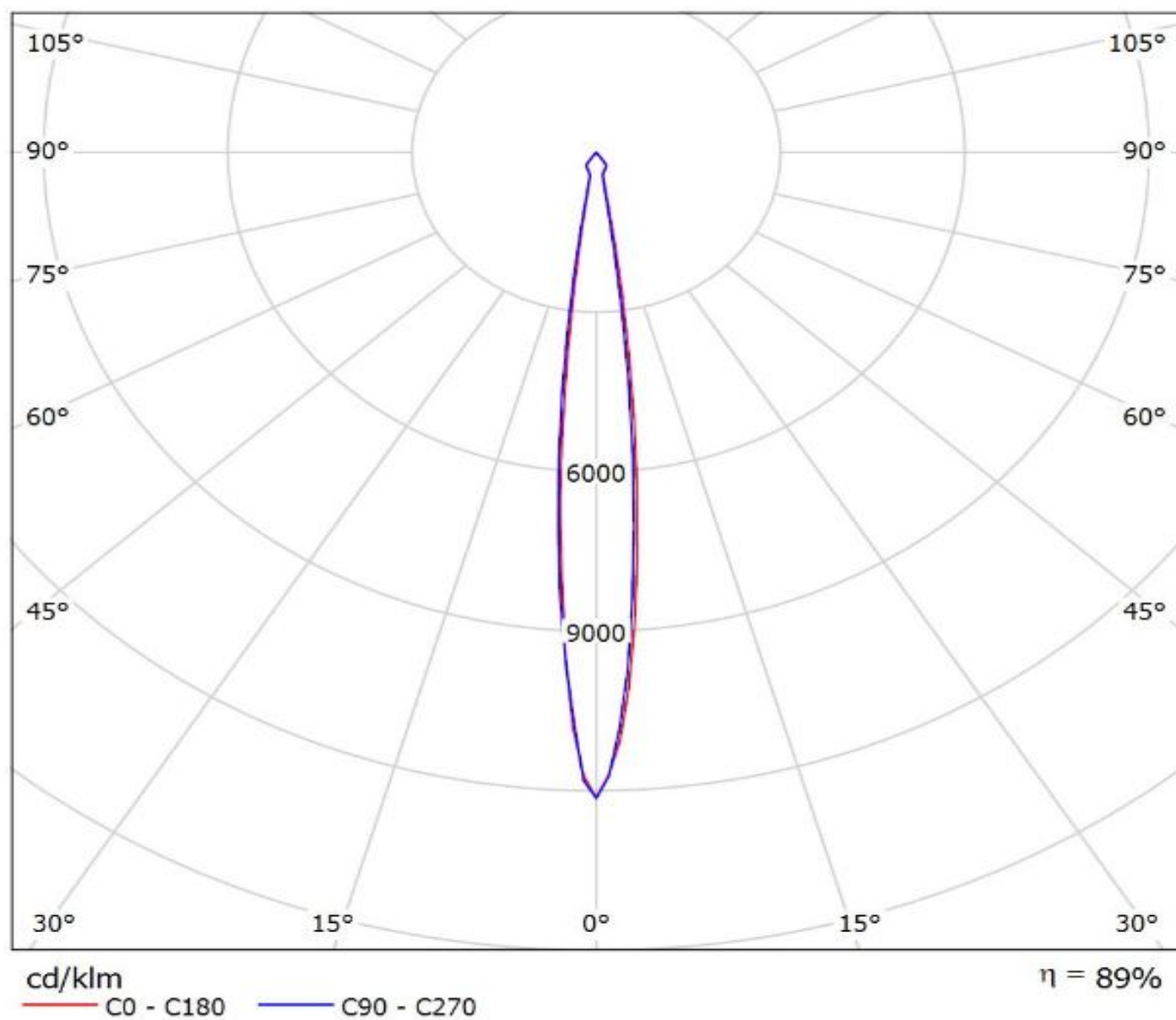
Luminaire: LEDiL Oy FCN13925_BARBARA-S-PF-VERO13/18_(Soleriq_P9)_Bender+Wirth_connector_461
Lamps: 1 x Osram_Soleriq_P9_(GQ_MAFJB1.EM)_875.63lm@250mA_P=6.94894W_η=0.2498A



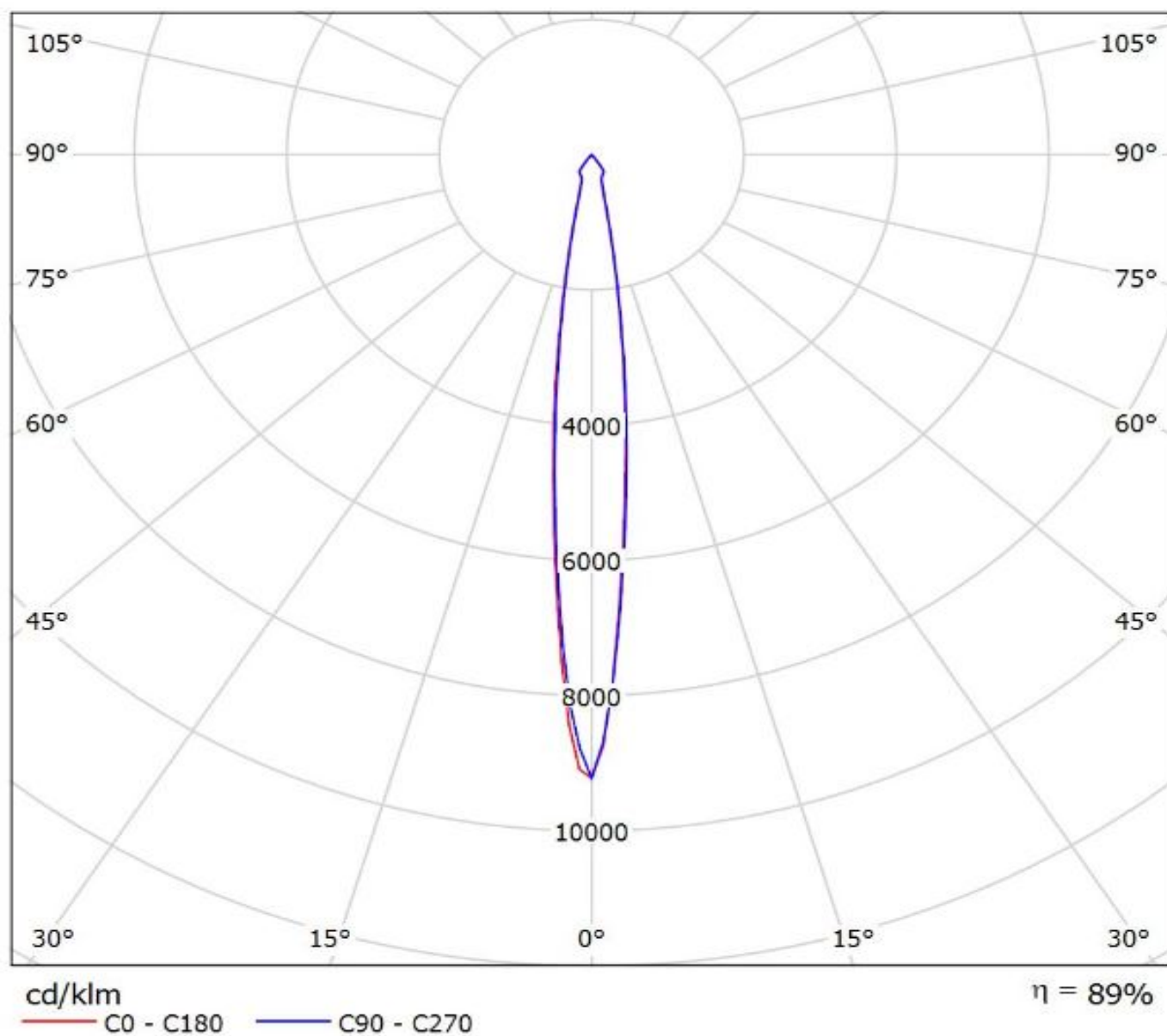
Ledil FCN13925_BARBARA-S-PF-VERO13/18_(P6) / LDC (Polar)

Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(P6)

Lamps: 1 x Osram_Soleric_P6_(GW_MAEGB1.EM)_504.127lm@250mA_P=6.28598W_I=0.25A

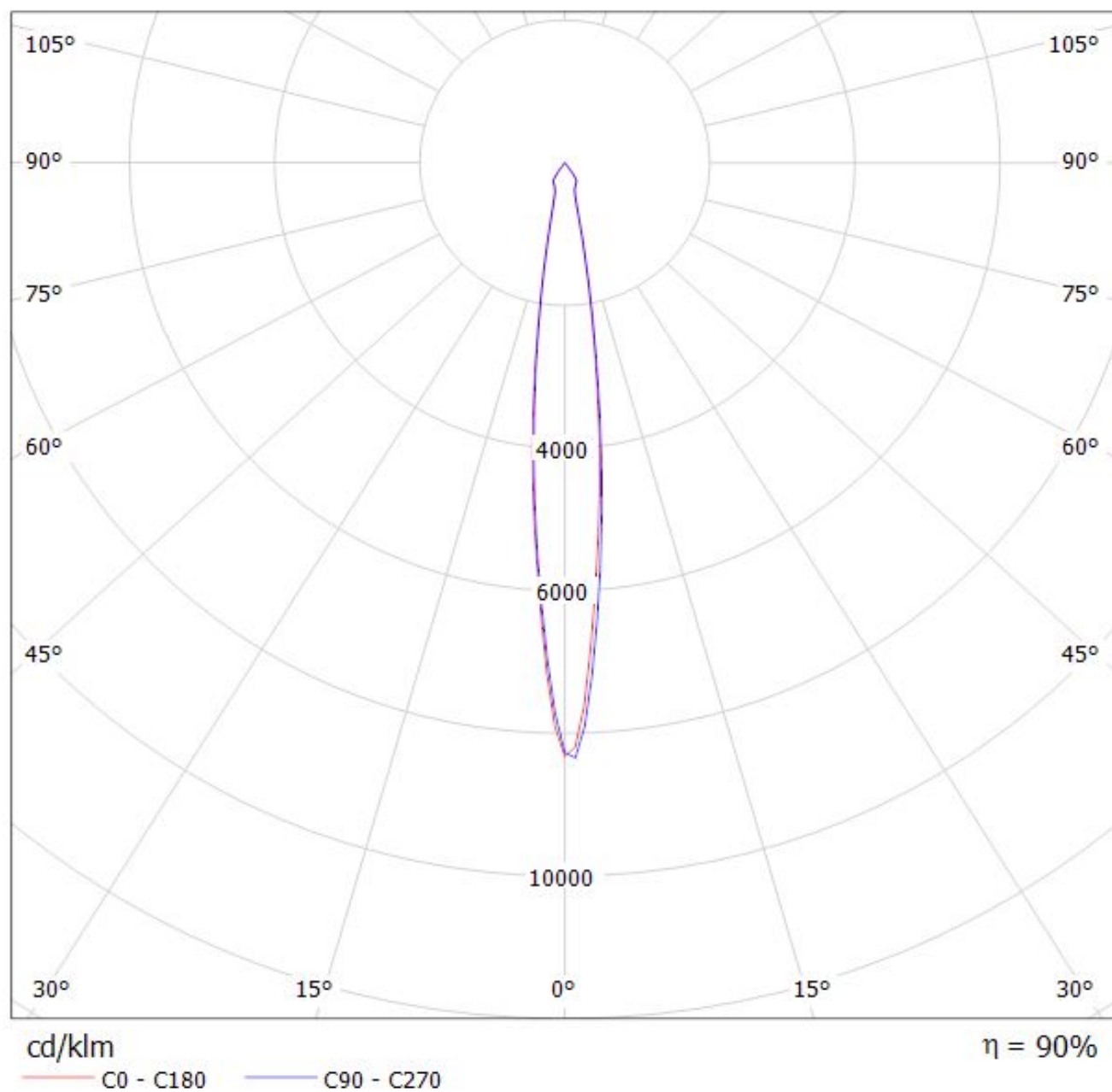


Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(CLU024) Citizen_CLU024_(434_Typ_L1)_
(C13709_PF-SOCKET-VERO13-18)_1065.5lm@250mA_P=8.55W_I=0.25A
Lamps: 1 x Citizen_CLU024_(434_Typ_L1)_ (C13709_PF-SOCKET-VERO13-18)
_1065.5lm@250mA_P=8.55W_I=0.25A

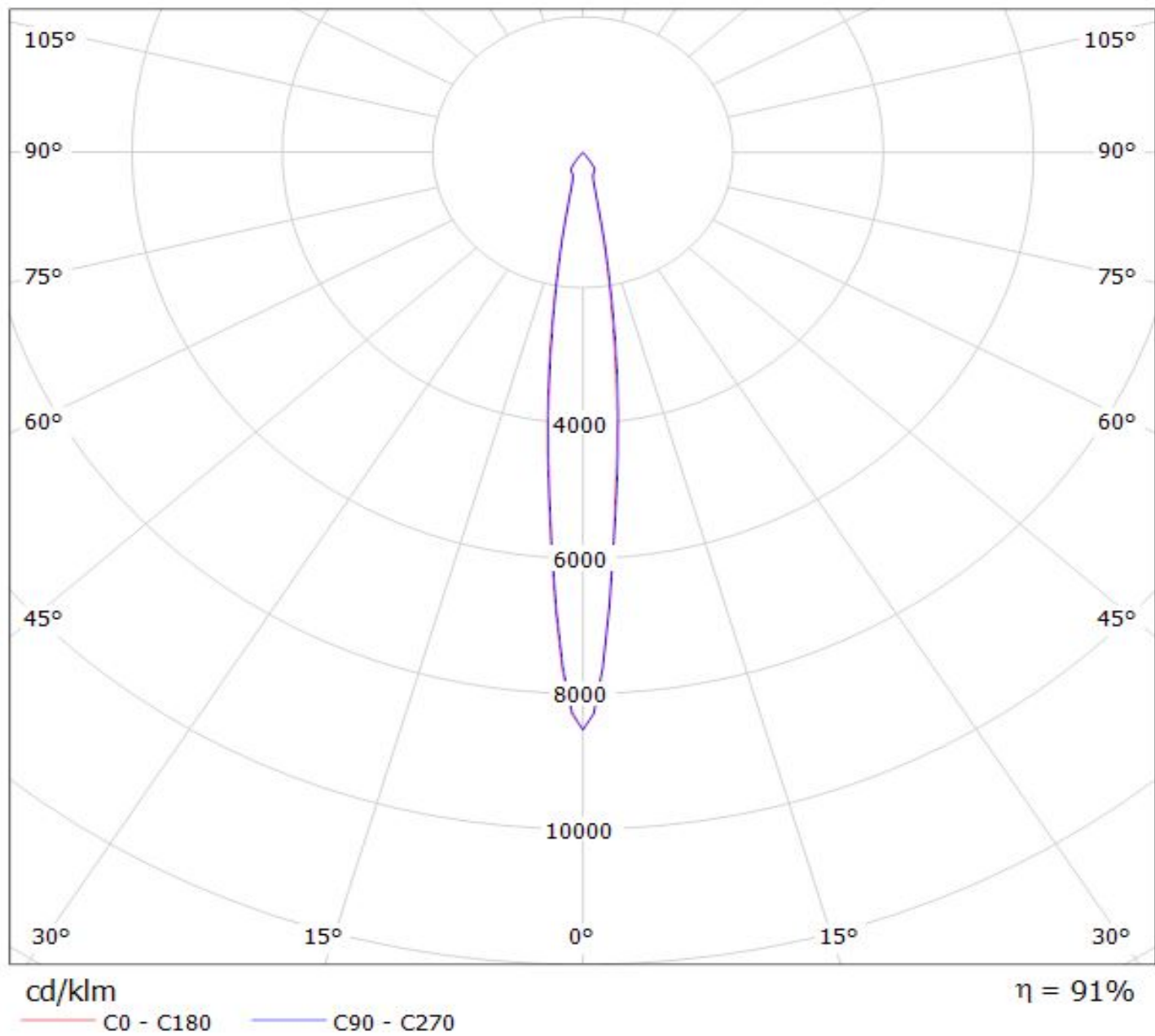


Luminaire: LEDiL Oy FCN13925_BARBARA-S-PF-VERO13/18_(NFCLL036B)

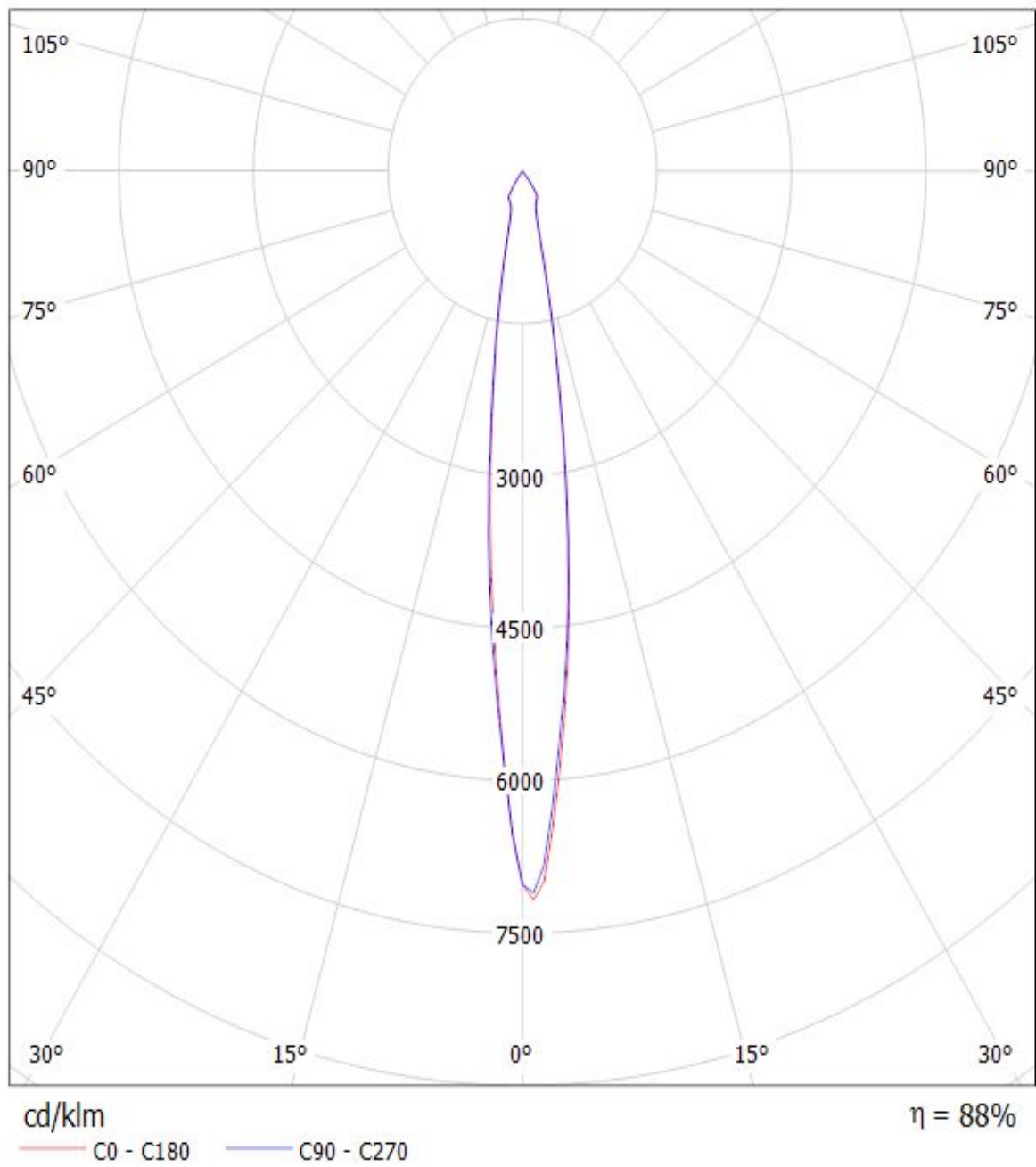
Lamps: 1 x Nichia NFCLL036B (sm403J1300R8000)_542.652lm@100mA_CCT=4000K_P=3.34084W_I=0.100A



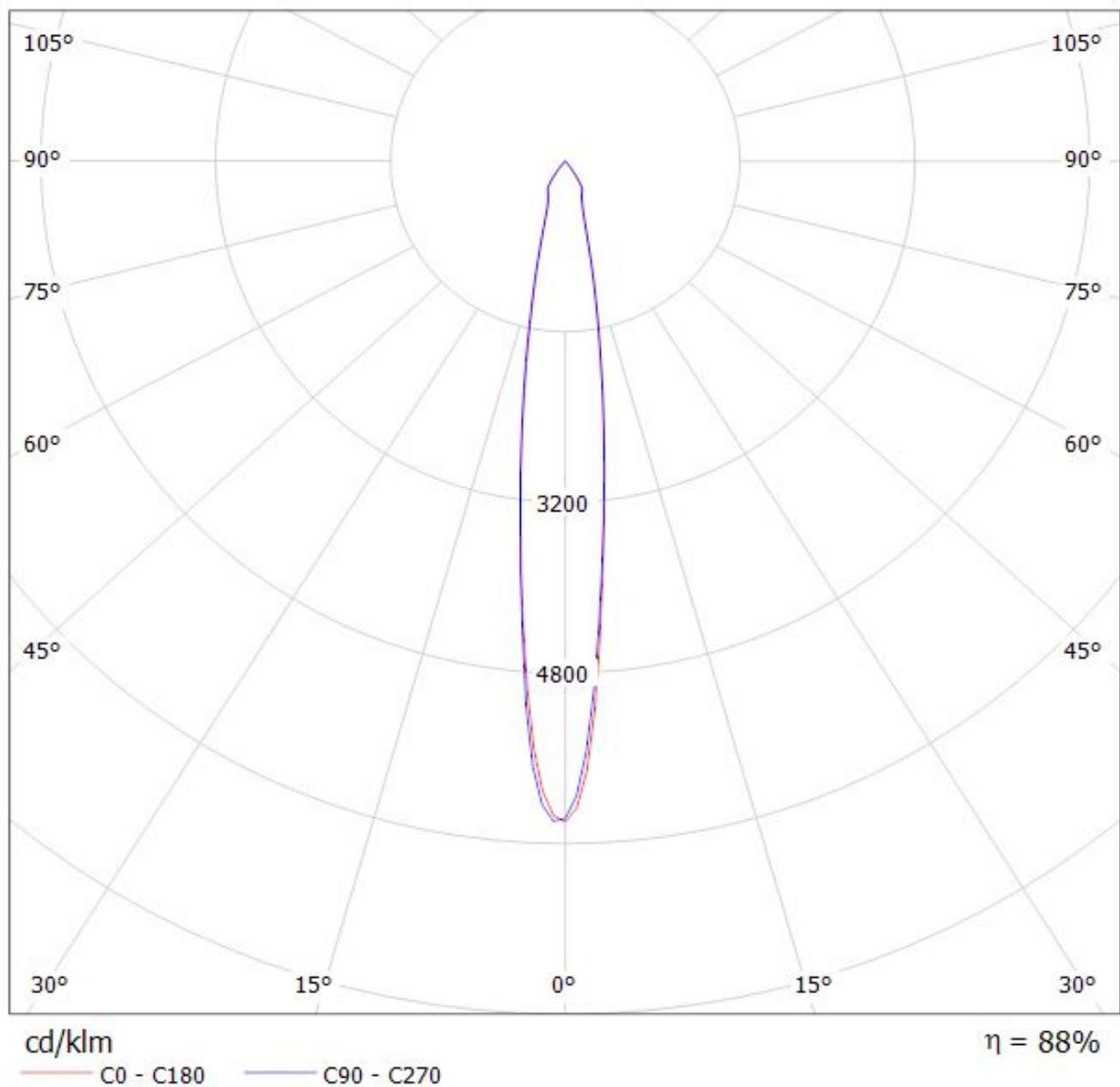
Luminaire: LEDiL Oy FCN13925_BARBARA-S-PF-VERO13/18_(SLE-G5_LES-11)
Lamps: 1 x Tridonic_SLE-G5_LES-11_1142.55lm@250mA_P=8.4070W_I=0.250A



Luminaire: LEDiL Oy FCN13925 BARBARA-S-PF-VERO13/18_(Luxeon_CoB_1203)_ (438_Typ_L1)
Lamps: 1 x Luxeon_CoB_1203_(438_Typ_L1)_C13709_PF-SOCKET-VERO13-18_994.226lm@250mA_P=8.69429W_I=0.2498A



Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(Soleriq_S13)
Lamps: 1 x Osram_Soleriq_S13_(GW_KAGHB1.EM)_931.029lm@250mA_P=7.44679W_I=250mA

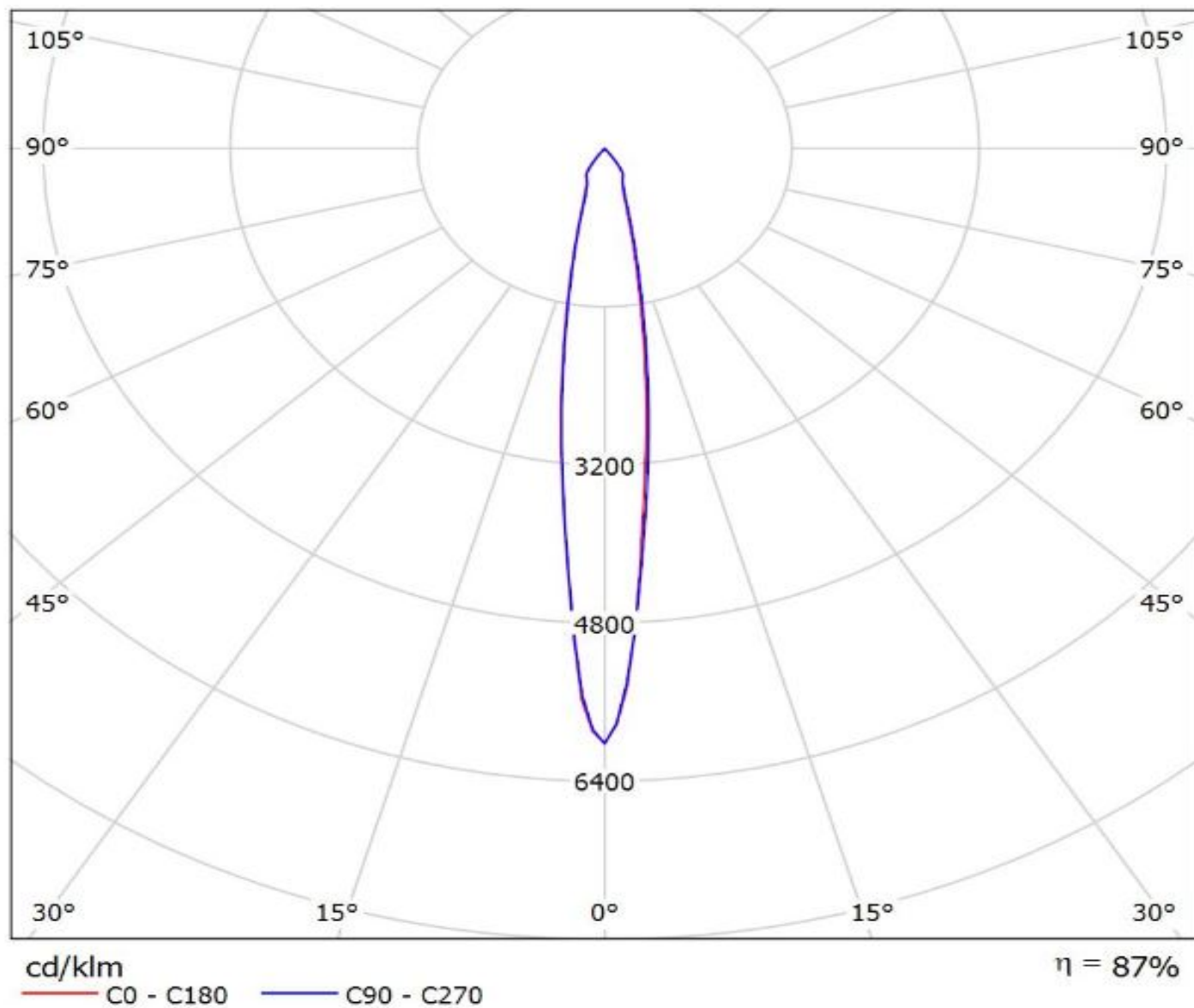


Ledil FCN13925_BARBARA-S-PF-VERO13-18_(CXA1850) / LDC (Polar)

Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13-18_(CXA1850)

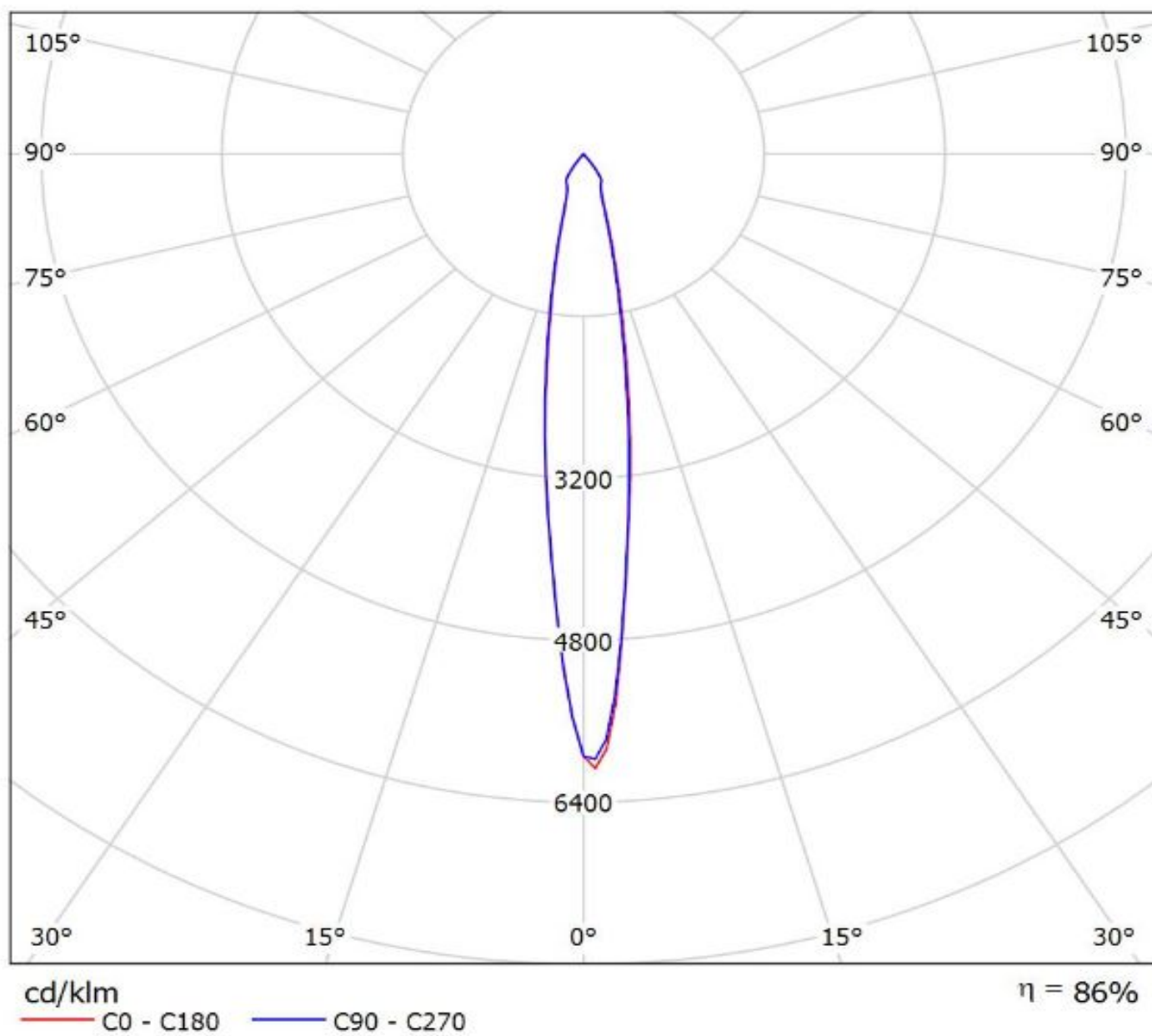
Lamps: 1 x CREE_CXA1850_(CXA1850-30F-T4-N0Y-00001)

_847.836lm@250mA_CCT=3000K_P=8.27W_I=0.25A



Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(NFCLL060B)

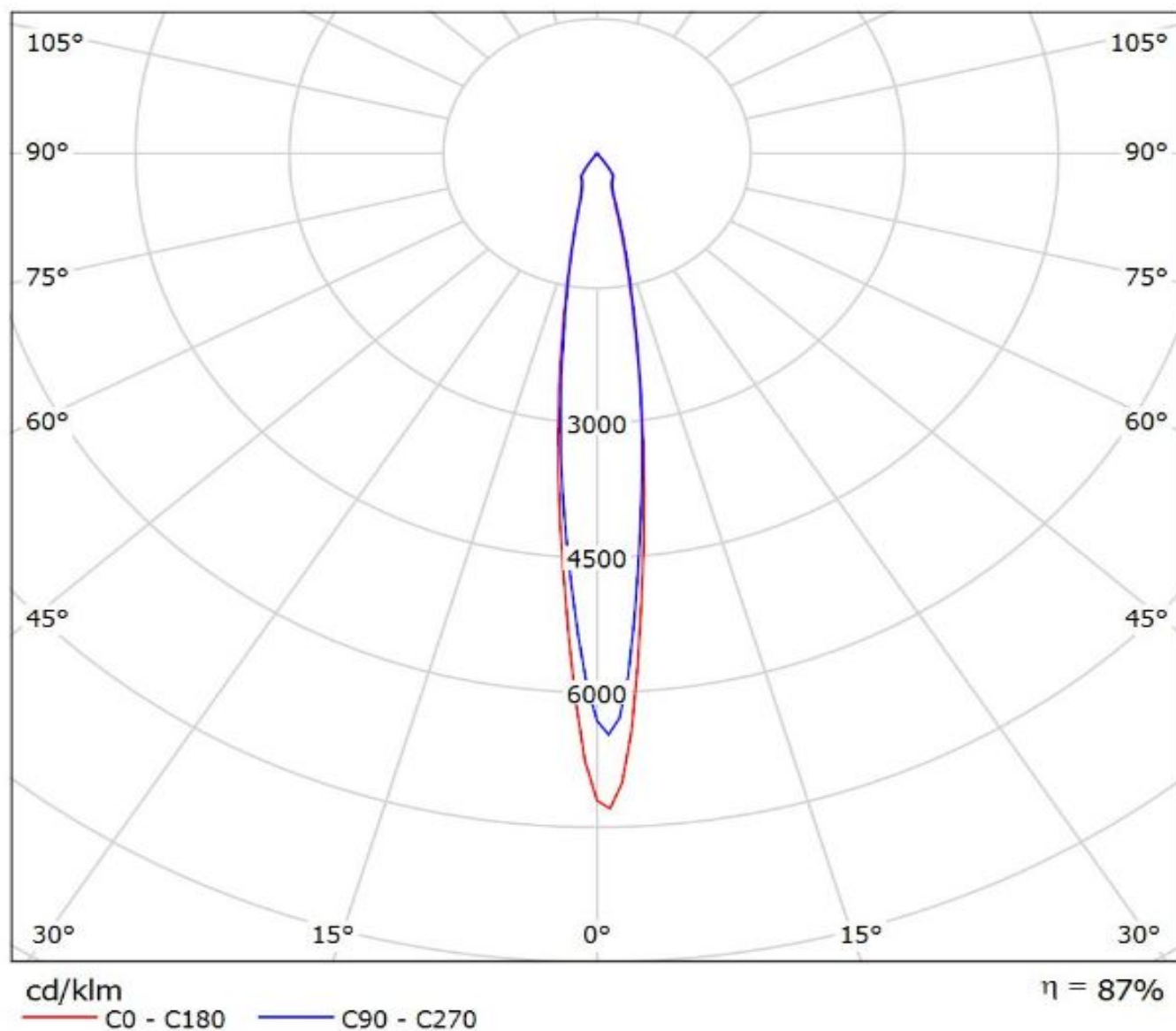
Lamps: 1 x Nichia_NFCLL060B_(438_TYP_L1)_1365.88lm@250mA_P=8.375W_η=0.25A



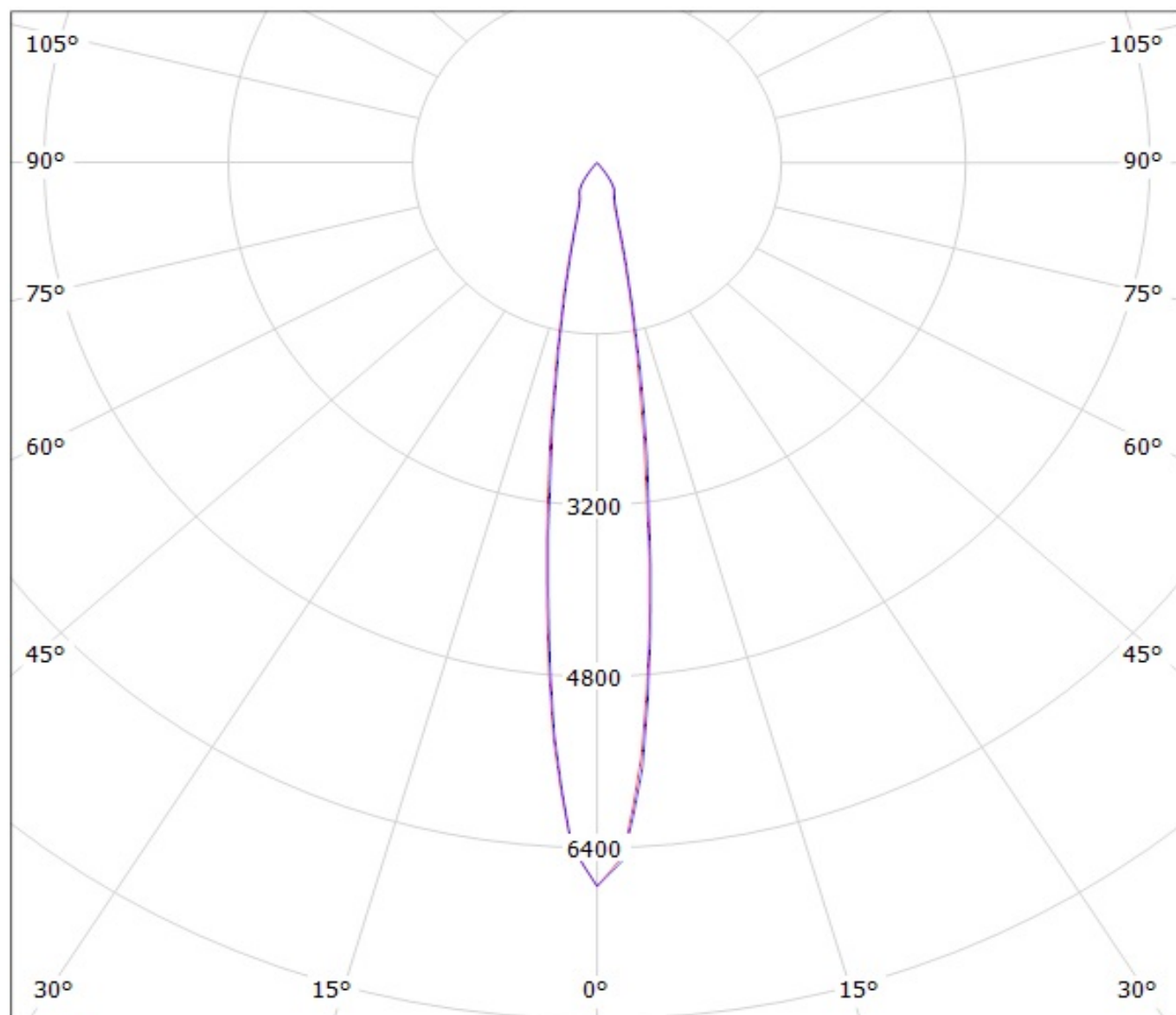
Ledil FCN13925_BARBARA-S-PF-VERO13/18_(CLU720) / LDC (Polar)

Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(CLU720)

Lamps: 1 x Citizen_CLU720_(433_Typ_L1)_(C13709)_1233.32lm@250mA_P=8.3W_I=0.25A



Luminaire: LEDil Oy FCN13925_BARBARA-S-PF-VERO1318_(VERO13) Efficiency=91%
Lamps: 1 x Bridgelux VERO13 (BXRC-40E2000C) 1046lm @ 250mA CCT=4000K P=7.6W I=250mA



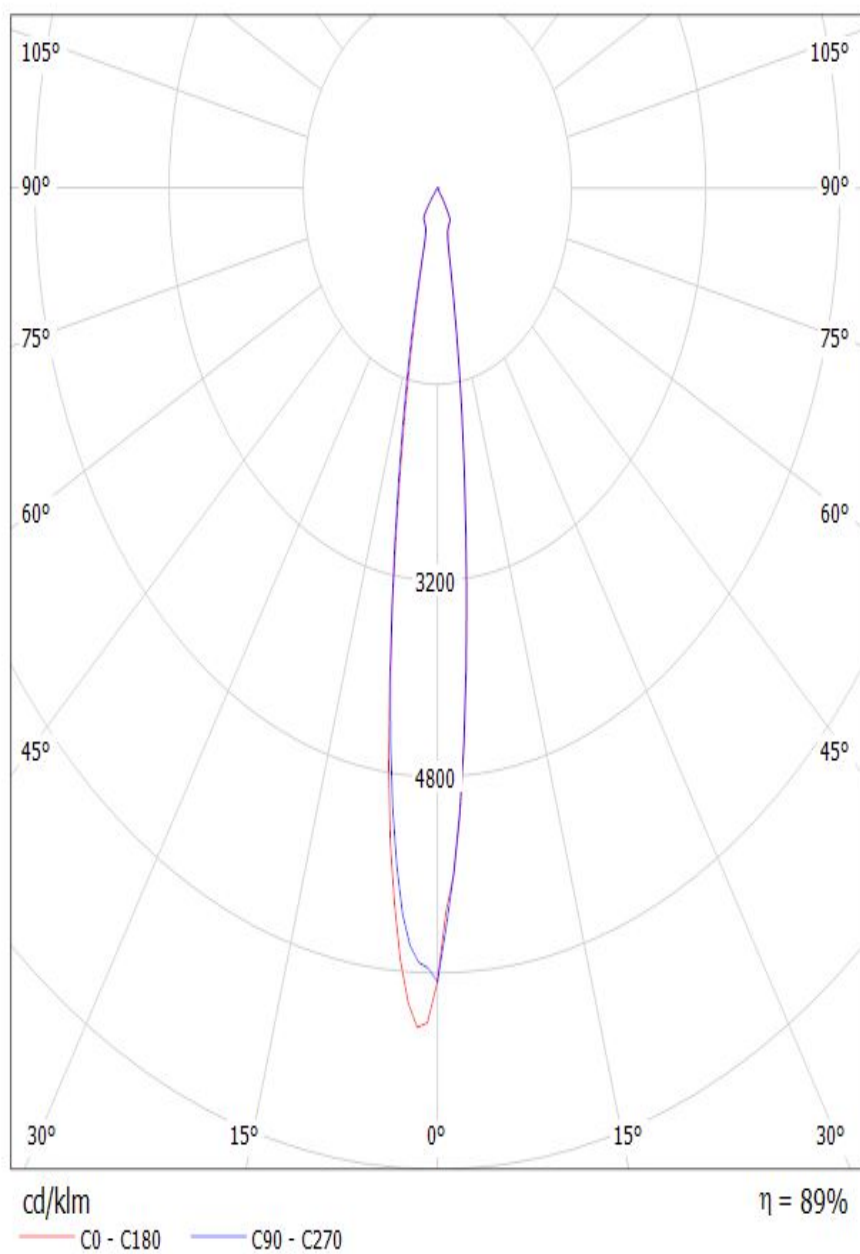
cd/klm

— C0 - C180

— C90 - C270

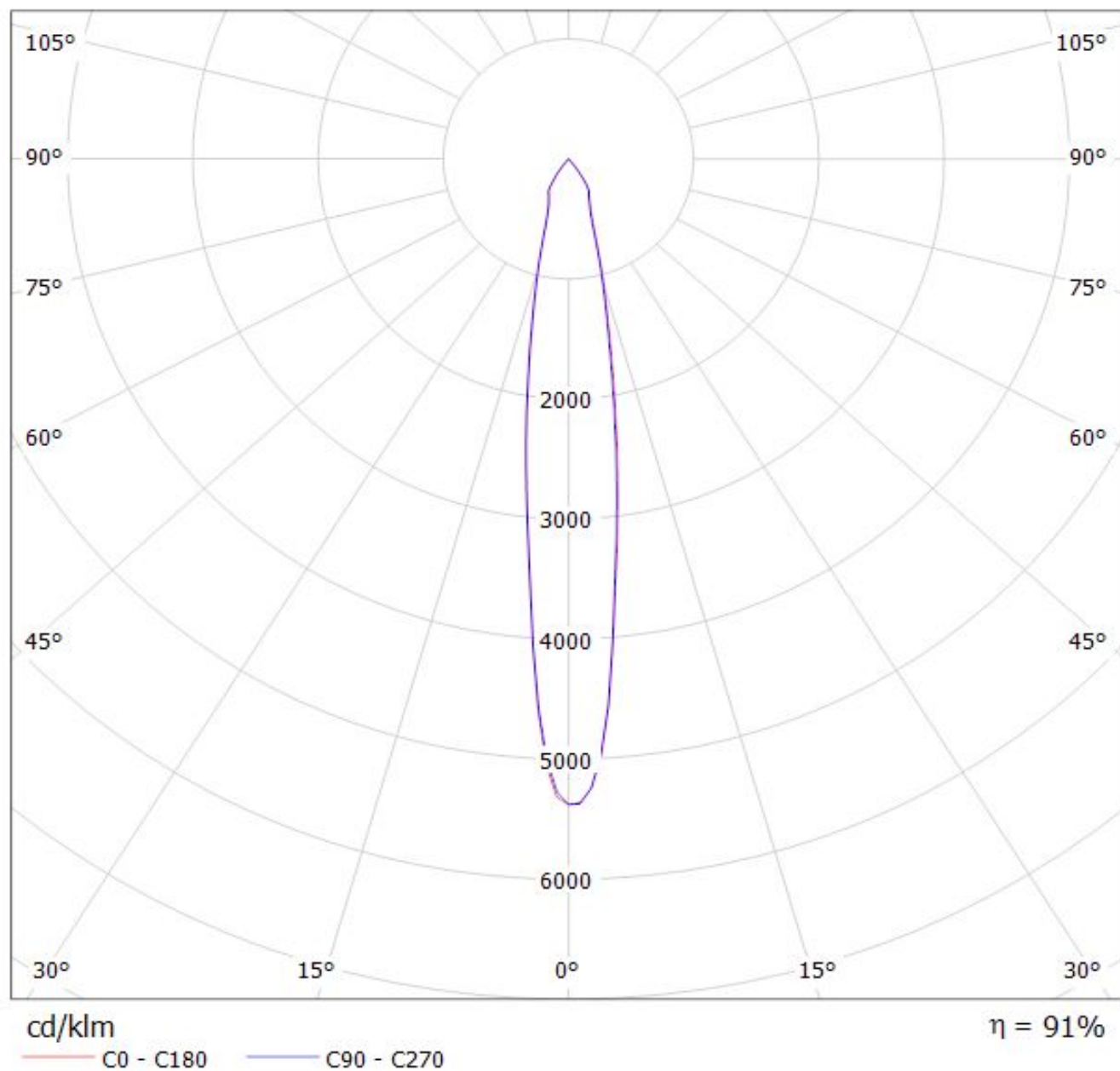
Luminaire: LEDiL Oy FCN13925_BARBARA-S-PF-VERO13/18_(CXA1520)_(441_Typ_L1) CXA1520_(CXA1520-30F-N4-N04-00001)_(441_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_995.617lm@250mA_P=8.72401W_I=0.2499A

Lamps: 1 x CXA1520_(CXA1520-30F-N4-N04-00001)_(441_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_995.617lm@250mA_P=8.72401W_I=0.2499A



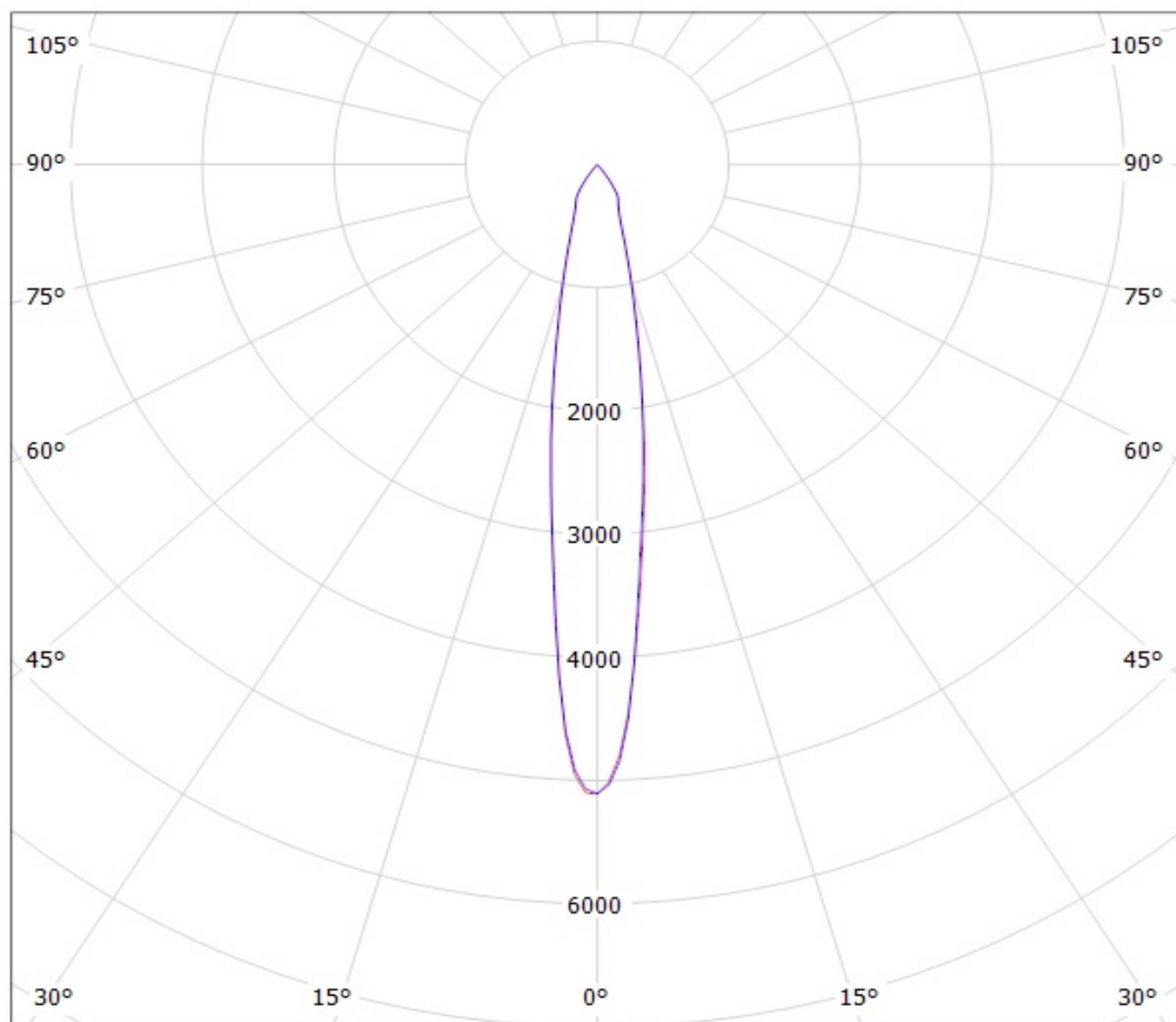
Luminaire: LEDiL Oy FCN13925_BARBARA-S-PF-VERO13/18_(Soleriq P13)

Lamps: 1 x Osram Soleriq P13 (GW MAGMB1.EM)_921.649lm@250mA_CCT=3500K_P=8.8097W_I=0.25A



Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13-18_(CLU034)_(433_Typ_L1)

Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1180.79lm@250mA_P=8.50075W_I=0.25A



cd/klm

$\eta = 88\%$

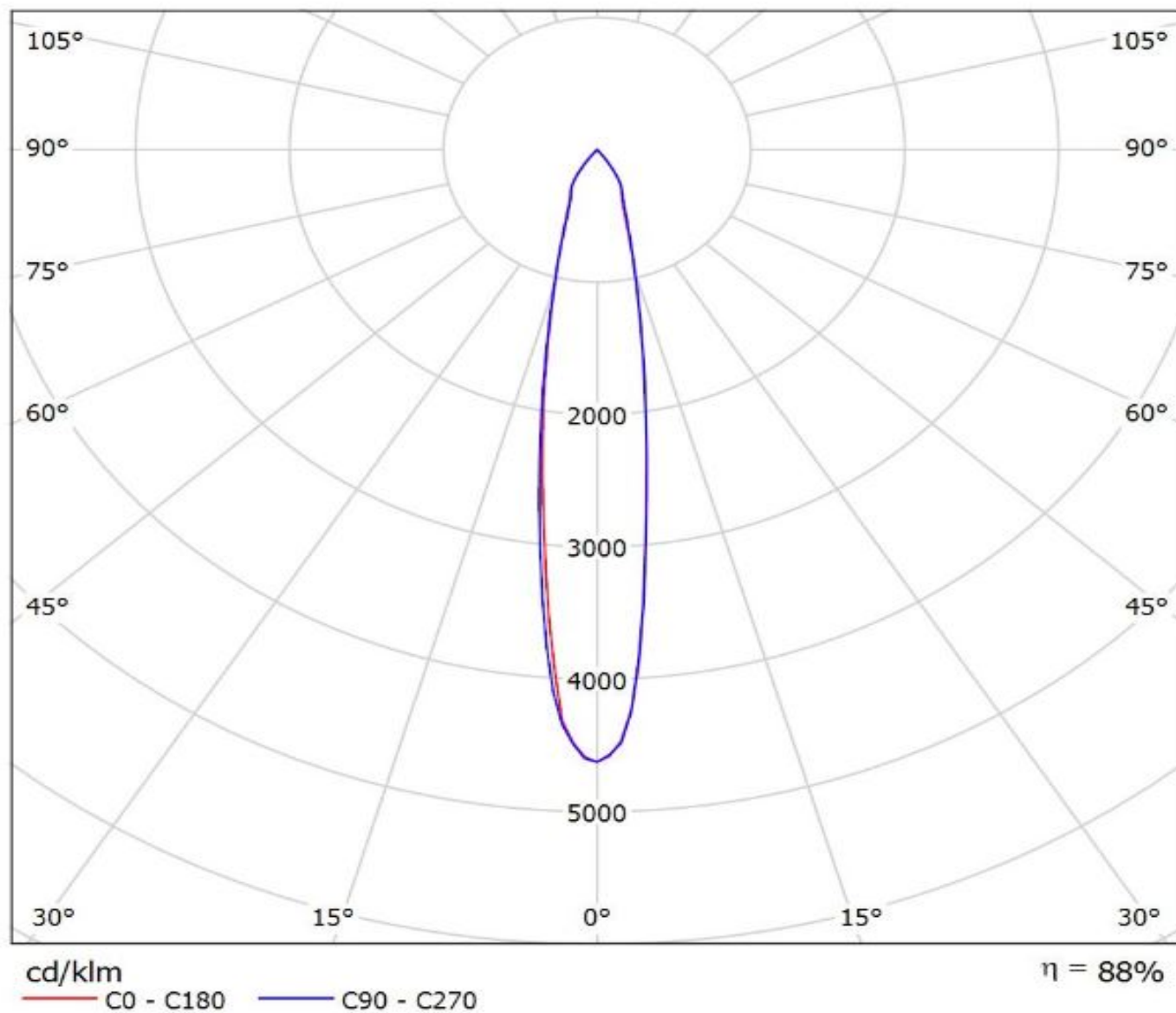
C0 - C180

C90 - C270

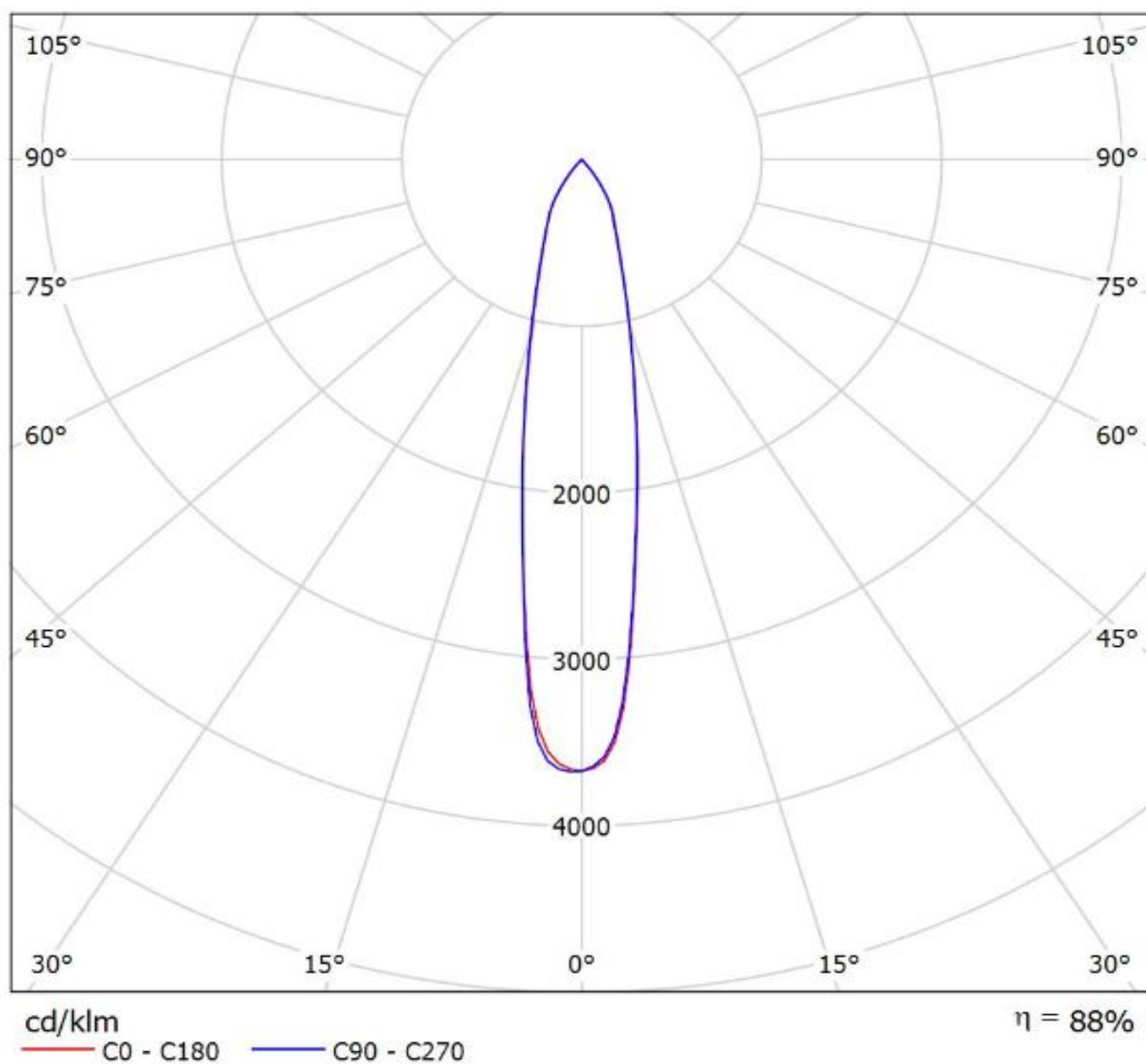
Ledil FCN13925_BARBARA-S-PF-VERO13/18_(NFDxJ130B) / LDC (Polar)

Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(NFDxJ130B)

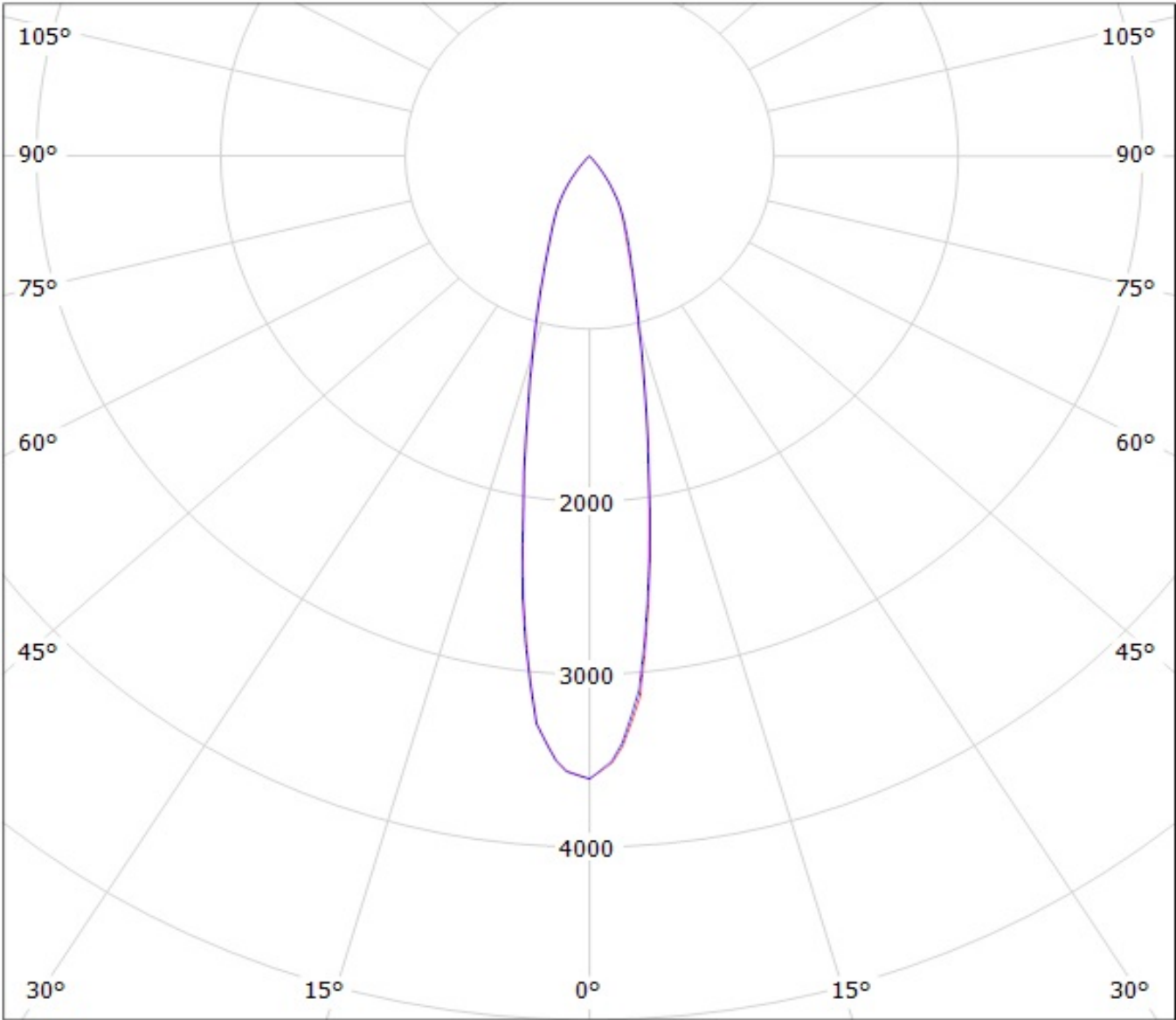
Lamps: 1 x Nichia_NFDxJ130B_(463 Typ L2)_C13709_PF-SOCKET-VERO13-18_1532.05lm@250mA_P=8.27W_I=0.25A



Luminaire: Ledil FCN13925_BARBARA-S-PF-VERO13/18_(LC040B)_(450_Typ_L2)_(C13709)
Lamps: 1 x Samsung_LC040B_(SPHWW1HDNE25010101)_CCT=3000k_(450_Typ_L2)_(C13709_PF-SOCKET-VERO13-18)_1115.79lm@250mA_P=8.075W_I=0.25A



Luminaire: LEDil Oy FCN13925_BARBARA-S-PF-VERO1318_(VERO18) Efficiency=91%
Lamps: 1 x Bridgelux VERO18 (BXRC-30E4000F) 877lm @ 250mA CCT=3200K P=6.8W I=250mA



cd/klm

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.

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.