

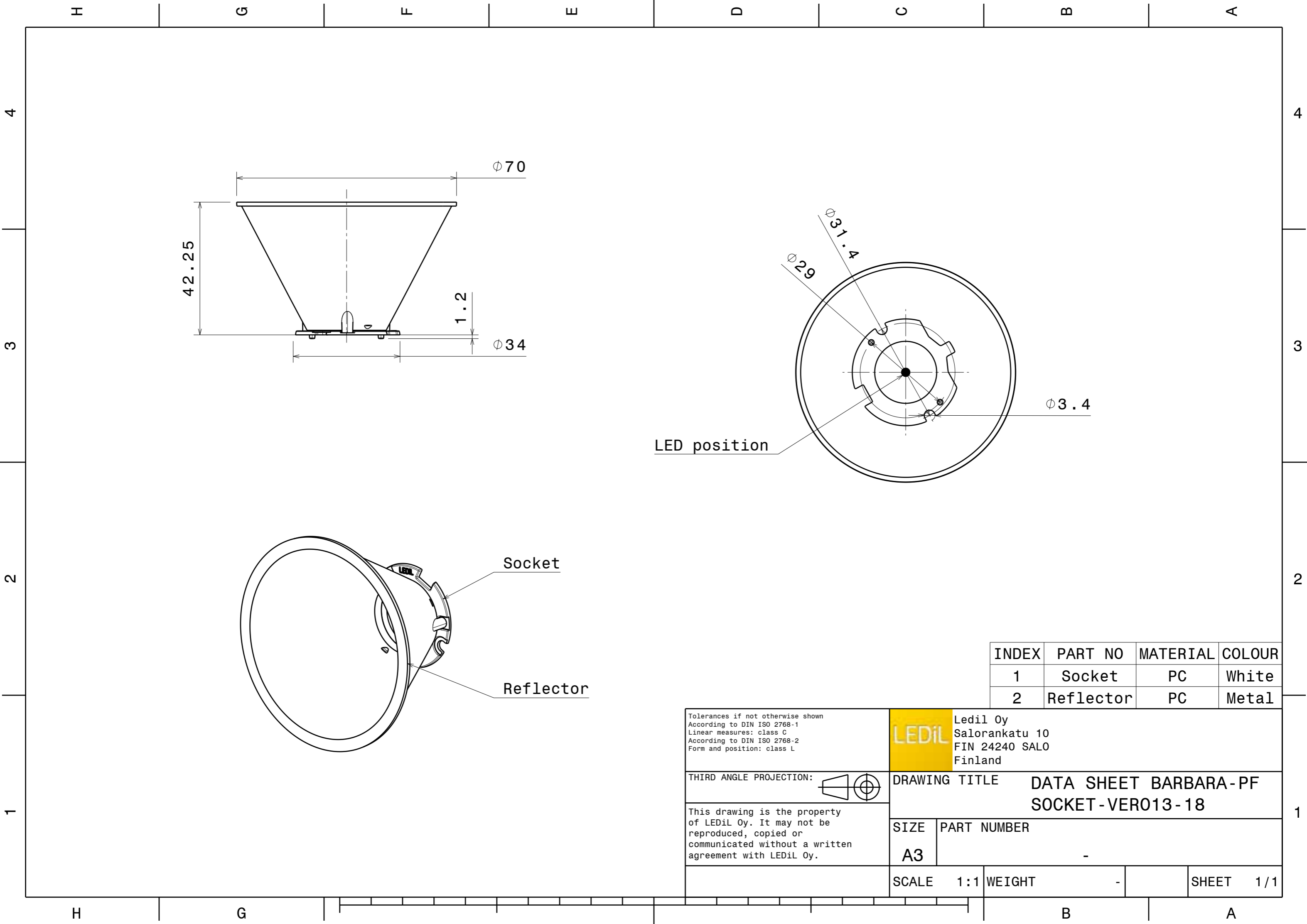
DETAILS

Product Number	FCN13927_BARBARA-W-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

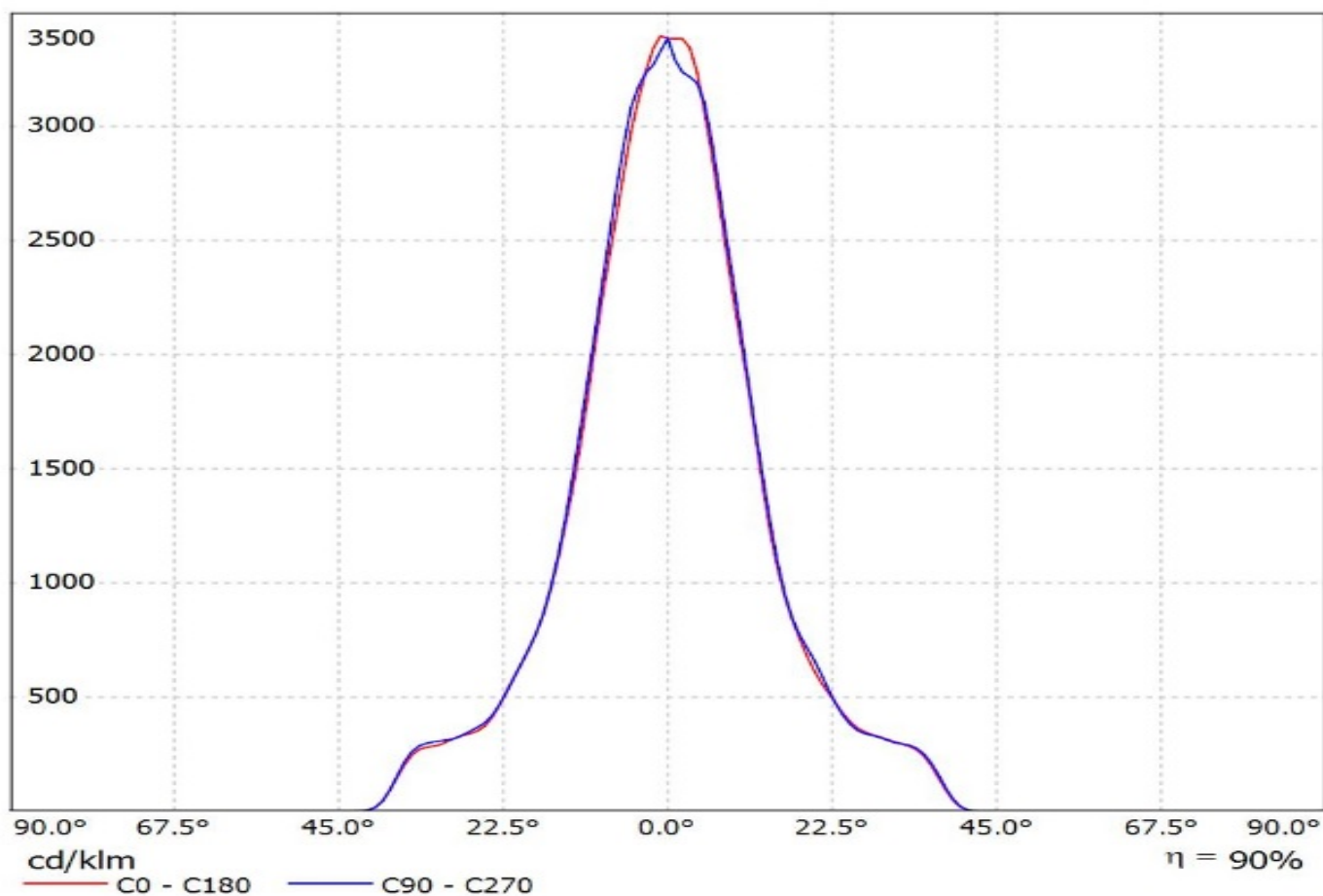
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
CXM-14	sim: 41	Wide	sim: 87 %	sim: 1.600	Bender Wirth: 433 Typ L1
ZC12/18	sim: 41	Wide	sim: 87 %	sim: 1.600	Bender Wirth: 433 Typ L1
CXM-9	sim: 32	Wide	sim: 88 %	sim: 2.300	Bender Wirth: 434 Typ L1
ZC4/6	sim: 32	Wide	sim: 88 %	sim: 2.300	Bender Wirth: 434 Typ L1
LC010C	sim: 23	Wide	sim: 90 %	sim: 3.500	Bender Wirth: 479 Typ L1
LC020C	sim: 27	Wide	sim: 89 %	sim: 2.900	Bender Wirth: 479 Typ L1
LC040C	sim: 33	Wide	sim: 85 %	sim: 2.100	Bender Wirth: 480 Typ L1
CLU700	22 deg	Wide	89 %	3.300	Bender Wirth: 434 Typ L1
NSBxL066A/NFCxL036B	30 deg	Wide	91 %	2.500	Bender Wirth: 438 Typ L1
CXA/B 15xx	30 deg	Wide	88 %	2.500	Bender Wirth: 441 Typ L1
LUXEON CoB 1202/1203	31 deg	Wide	90 %	2.400	Bender Wirth: 438 Typ L1
CLL02x/CLU02x (LES10)	32 deg	Wide	88 %	2.300	Bender Wirth: 434 Typ L1
SLE G5 LES11	33 deg	Wide	90 %	2.200	Bender Wirth: 434 Typ L1
L121A/L060B/L024Z	35 deg	Wide	88 %	2.000	Bender Wirth: 438 Typ L1
VERO13	36 deg	Wide	93 %	2.000	-
CXA/B 1816 & CXA/B 1820 & CXA 1850	36 deg	Wide	88 %	2.000	Bender Wirth: 437 Typ L1
Solieriq S13	37 deg	Wide	89 %	1.900	Bender Wirth: 437 Typ L1
J216A/J130B/J108B/J048Z	40 deg	Wide	88 %	1.700	Bender Wirth: 463 Typ L2
CLL03x/CLU03x	41 deg	Wide	87 %	1.600	Bender Wirth: 433 Typ L1
VERO18	45 deg	Wide	92 %	1.500	-
LC026B/LC040B	45 deg	Wide	87 %	1.400	Bender Wirth: 450 Typ L2



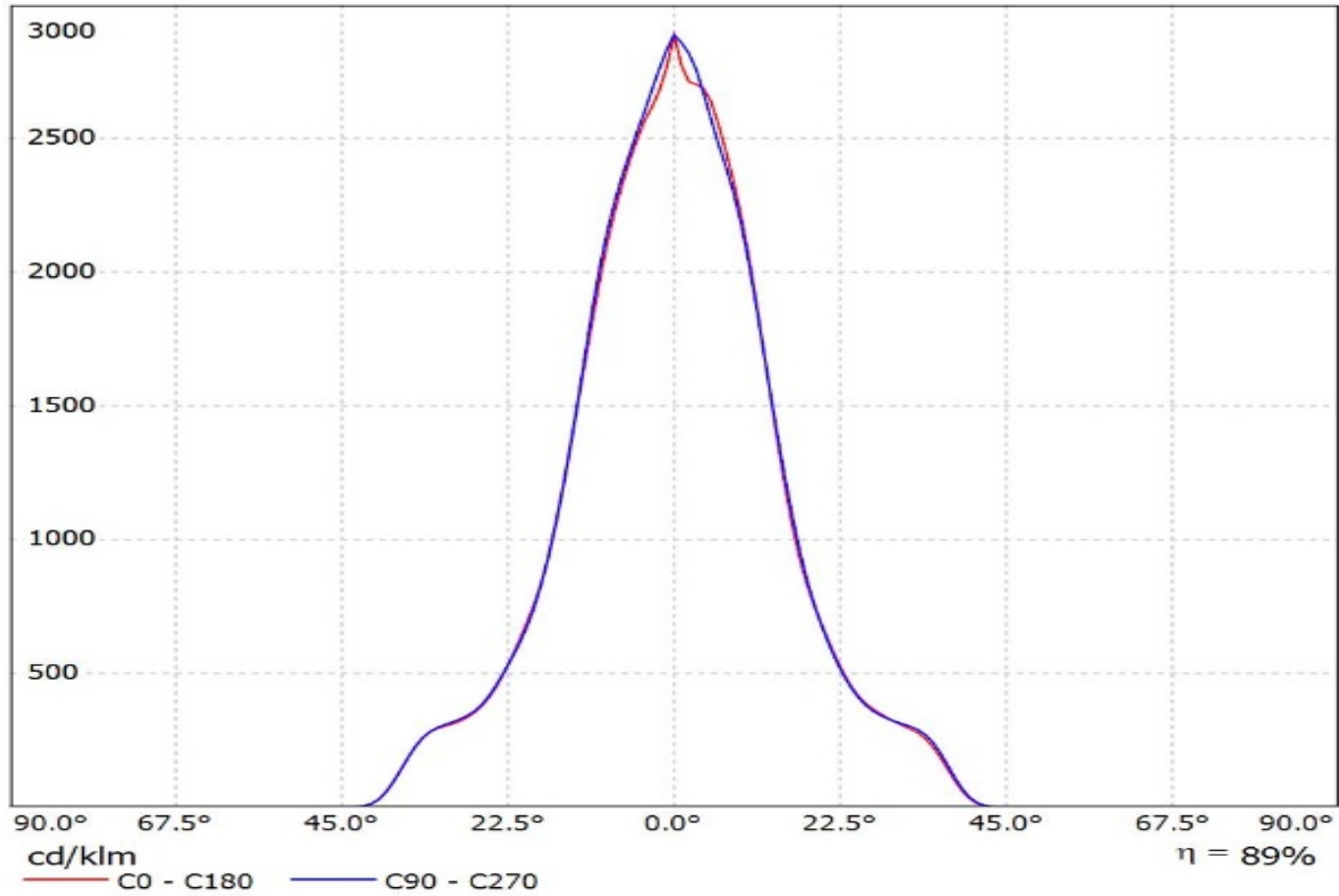
INDEX	PART NO	MATERIAL	COLOUR
1	Socket	PC	White
2	Reflector	PC	Metal

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

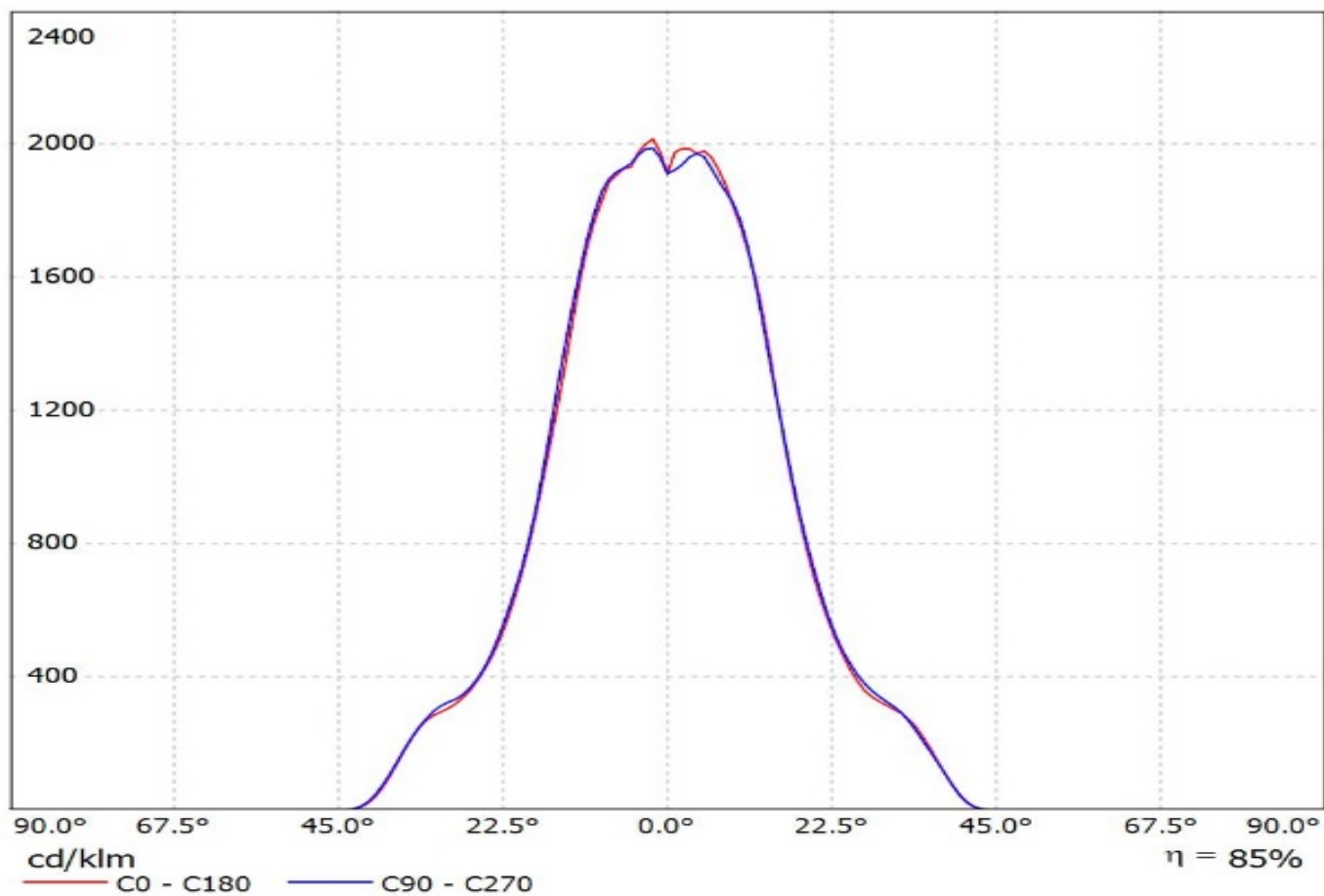
Luminaire: Ledil Oy FCN13927_BARBARA-W-PF-VERO13-18_(LC010C)_(B+W_479_Typ_L1)_SIMULATED
Lamps: 1 x Samsung LC010C + Bender & Wirth 479 Type L1



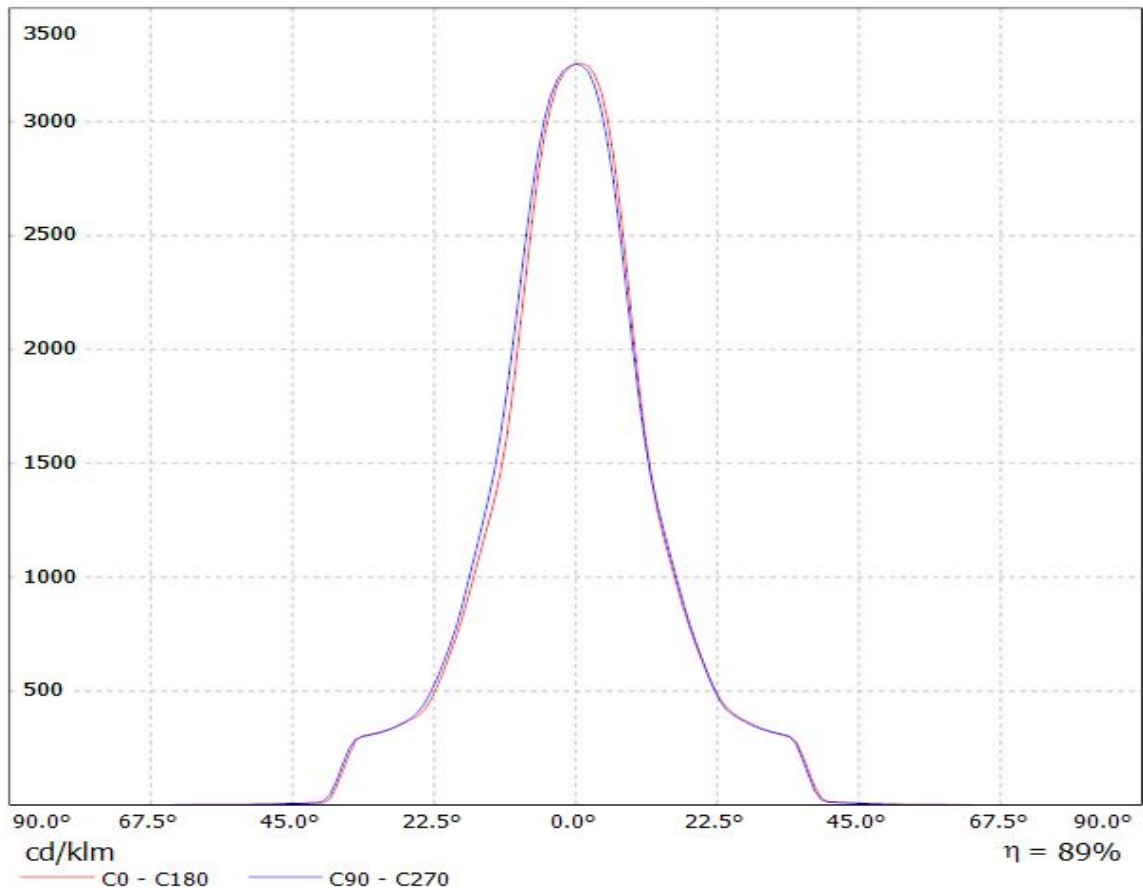
Luminaire: Ledil Oy FCN13927_BARBARA-W-PF-VERO13-18_(LC020C)_(B+W_479_Typ_L1)_SIMULATED
Lamps: 1 x Samsung LC020C + Bender & Wirth 479 Type L1



Luminaire: Ledil Oy FCN13927_BARBARA-W-PF-VERO13-18_(LC040C)_(B+W_480_Typ_L1)_SIMULATED
Lamps: 1 x Samsung LC040C + Bender & Wirth 480 Type L1

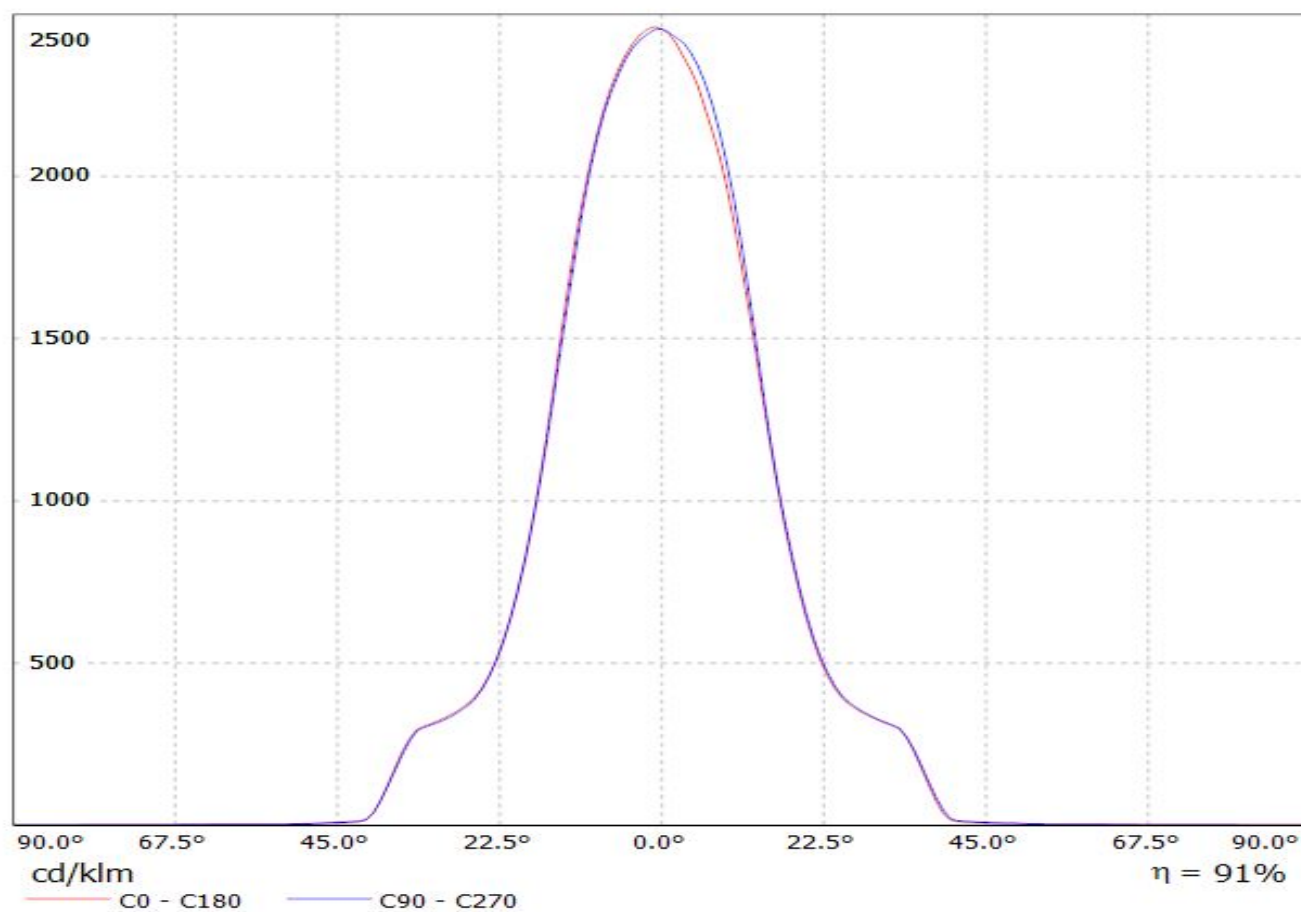


Luminaire: LEDiL Oy FCN13927_BARBARA-W-PF-VERO13-18_(CLU700)
Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_(C13709)_(434_Typ_L1)_374.62lm@100mA_P=2.81352W_I=0.1002A

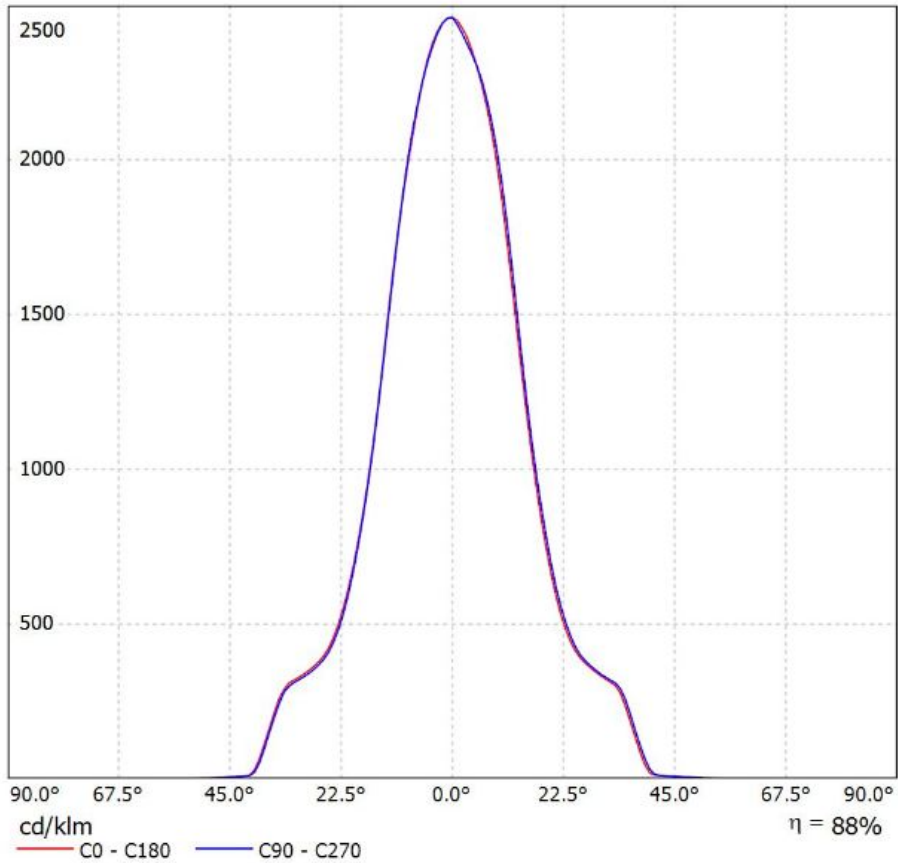


Luminaire: LEDiL Oy FCN13927_BARBARA-W-PF-VERO13-18_(NFCLL036B)

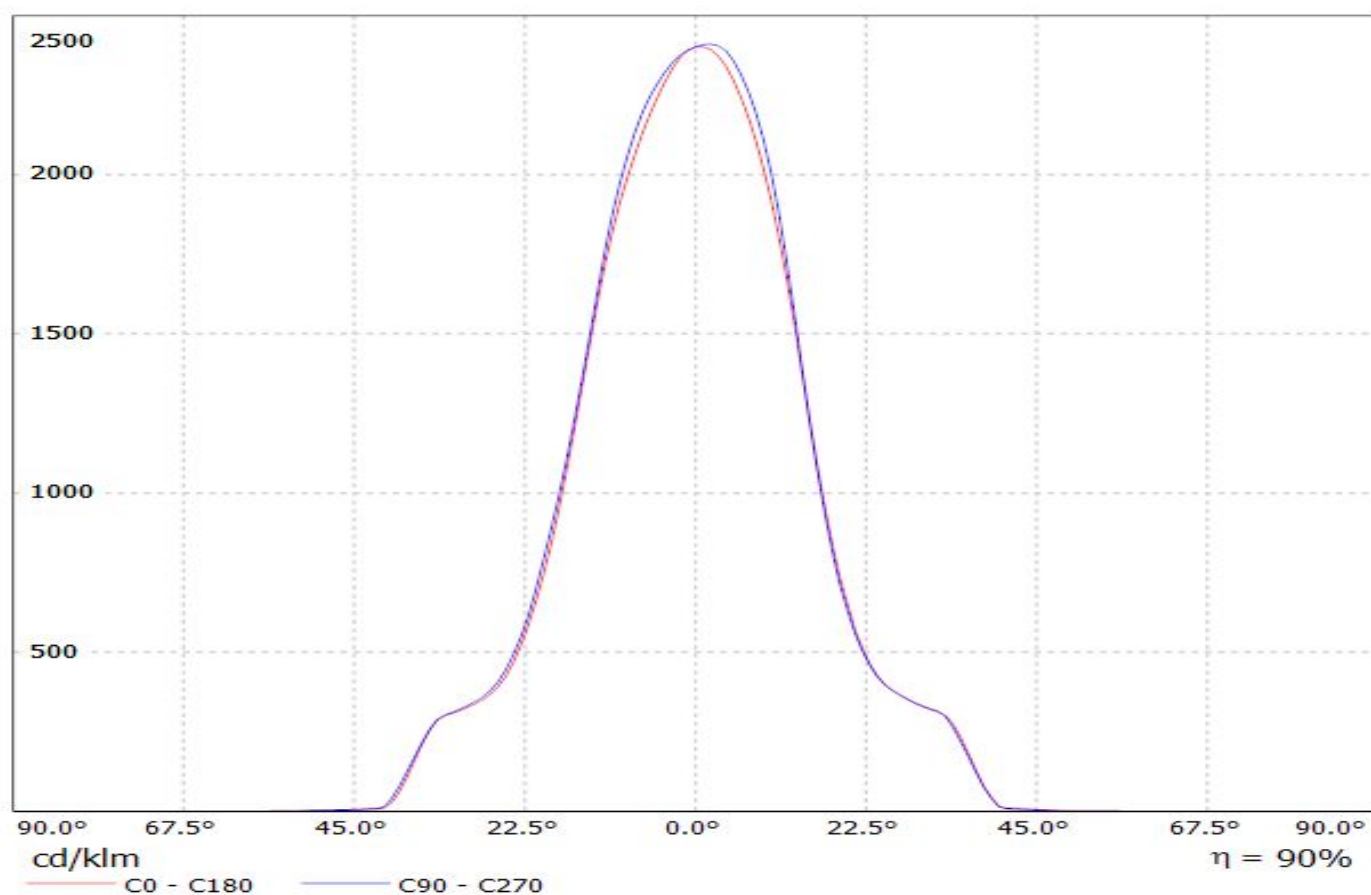
Lamps: 1 x Nichia NFCLL036B (sm403J1300R8000)_542.652lm@100mA_CCT=4000K_P=3.34084W_I=0.100A



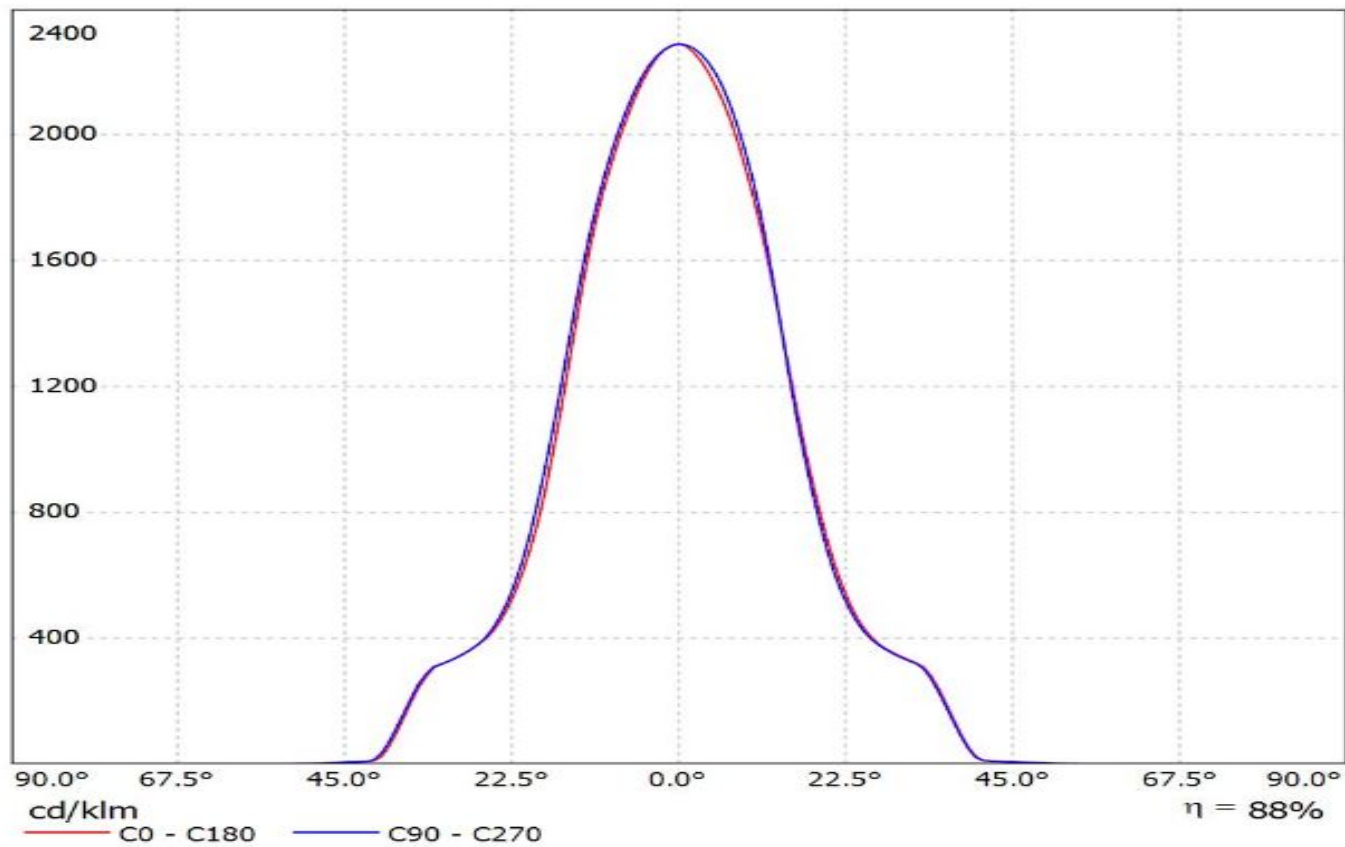
Luminaire: Ledil FCN13927_BARBARA-W-PF-VERO13-18_(CXA1520)_CXA1520_(CXA1520-30F-N4-N0H-00001)_(441_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_1036.14lm@250mA_P=8.825W_I=0.25A
Lamps: 1 x CXA1520_(CXA1520-30F-N4-N0H-00001)_(441_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_1036.14lm@250mA_P=8.825W_I=0.25A



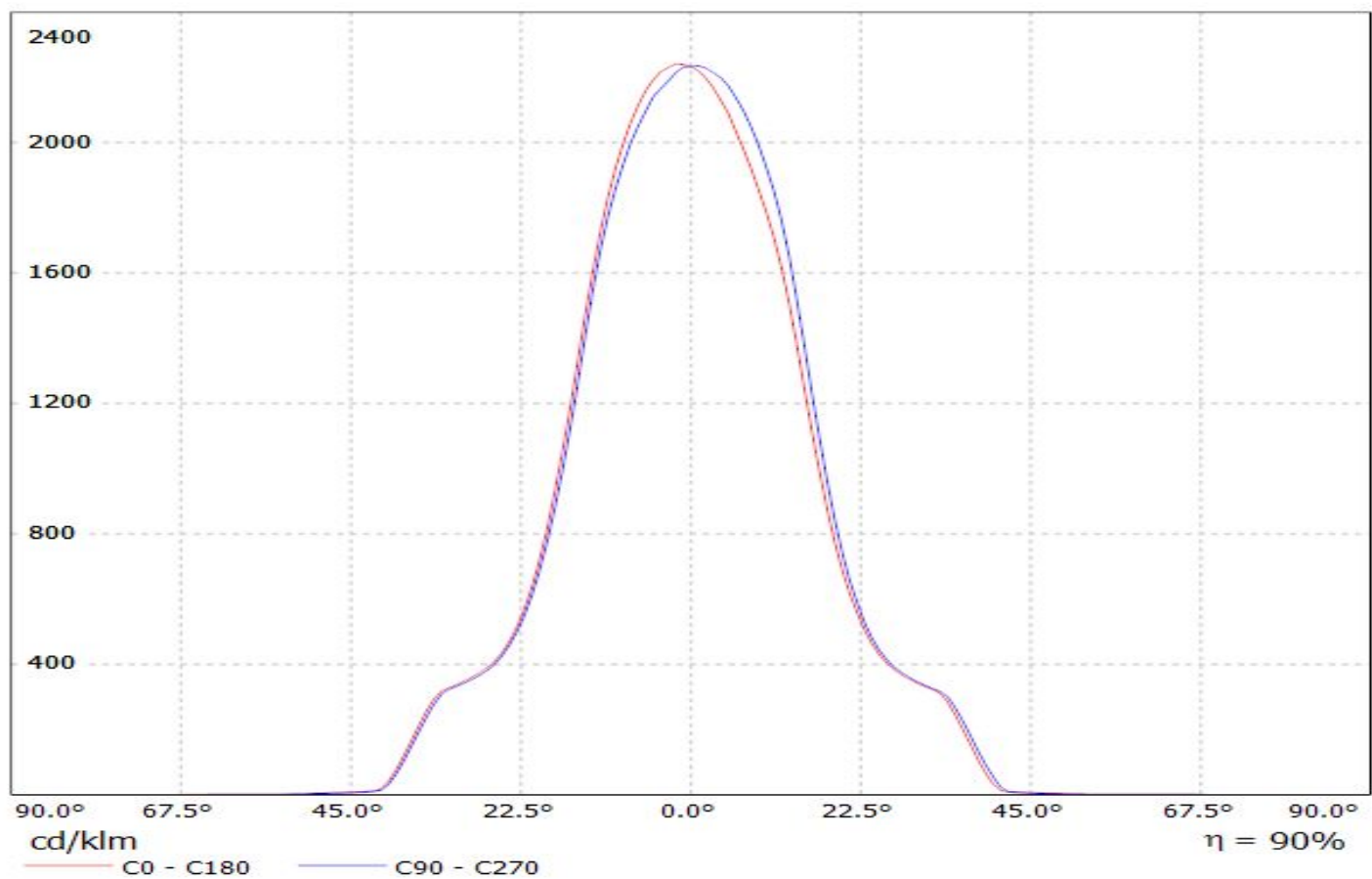
Luminaire: LEDiL Oy FCN13927_BARBARA-W-PF-VERO13/18_(Luxeon_CoB_1203)_(438_Typ_L1)
Lamps: 1 x Luxeon_CoB_1203_(438_Typ_L1)_C13709_PF-SOCKET-VERO13-18_994.226lm@250mA_P=8.69429W_I=0.2498A



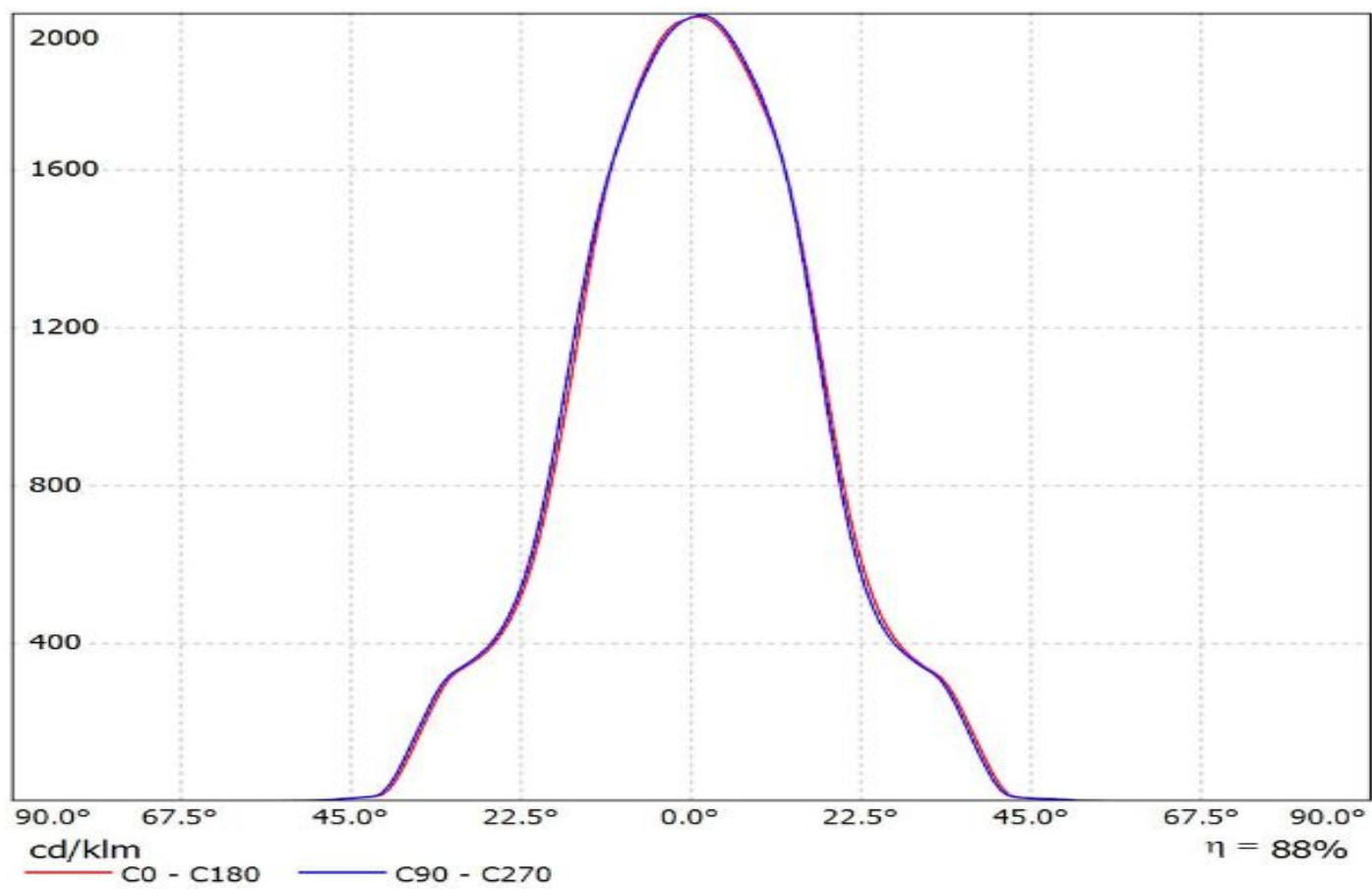
Luminaire: Ledil FCN13927_BARBARA-W-PF-VERO13/18_(CLU024) Citizen_CLU024_(434_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_1065.5lm@250mA_P=8.55W_I=0.25A
Lamps: 1 x Citizen_CLU024_(434_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_1065.5lm@250mA_P=8.55W_I=0.25A



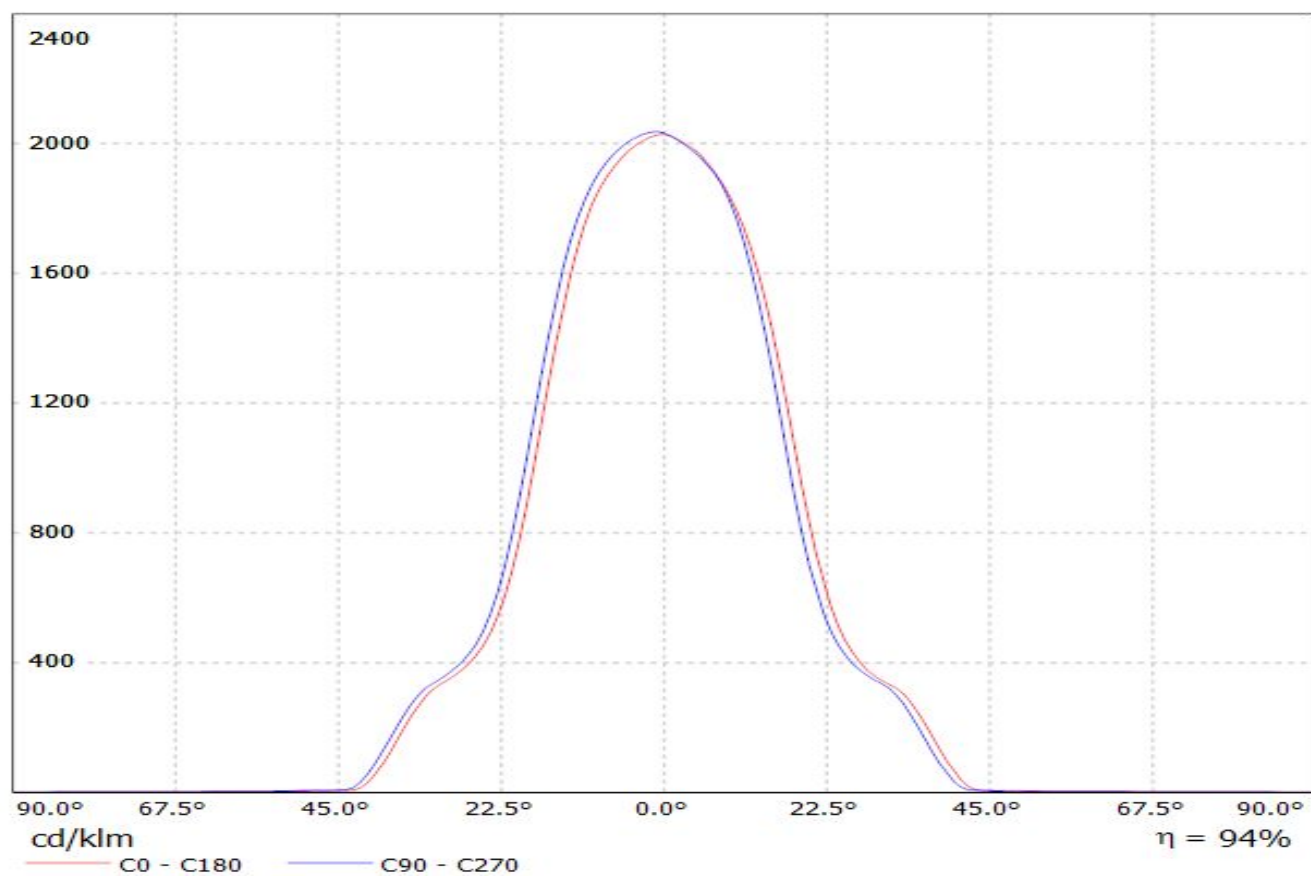
Luminaire: LEDiL Oy FCN13927_BARBARA-W-PF-VERO13/18_(SLE-G5_LES-11)
Lamps: 1 x Tridonic_SLE-G5_LES-11_1142.55lm@250mA_P=8.4070W_I=0.250A



Luminaire: Ledil FCN13927_BARBARA-W-PF-VERO13/18_(NFCLL060B)
Lamps: 1 x Nichia_NFCLL060B_(438_TYP_L1)_1365.88lm@250mA_P=8.375W_I=0.25A



Luminaire: LEDiL Oy FCN13927_BARBARA-W-PF-VERO13/18
Lamps: 1 x VERO13_1029@250mA_P=7.54246W_I=249.8mA

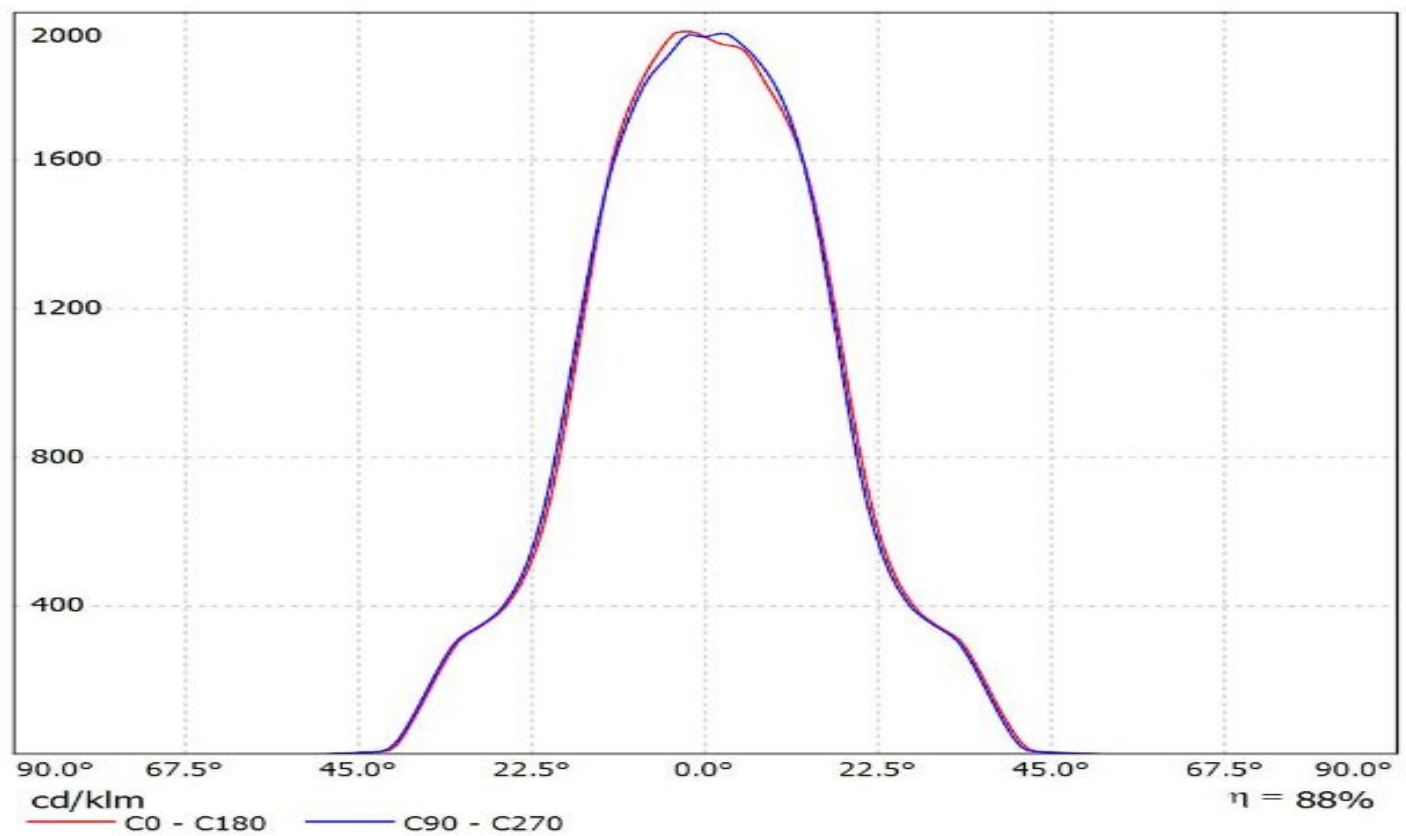


Ledil FCN13927_BARBARA-W-PF-VERO13-18_(CXA1850) / LDC (Linear)

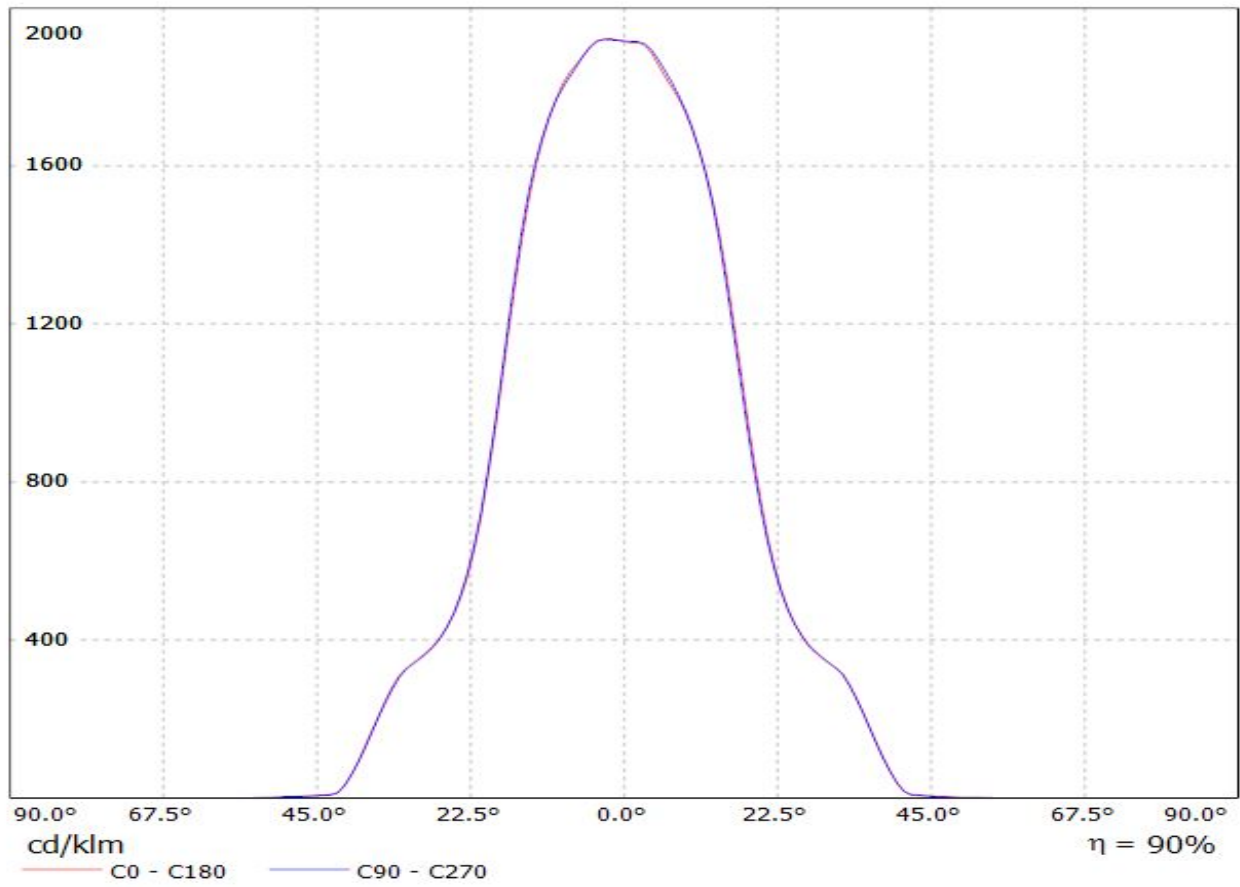
Luminaire: Ledil FCN13927_BARBARA-W-PF-VERO13-18_(CXA1850)

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

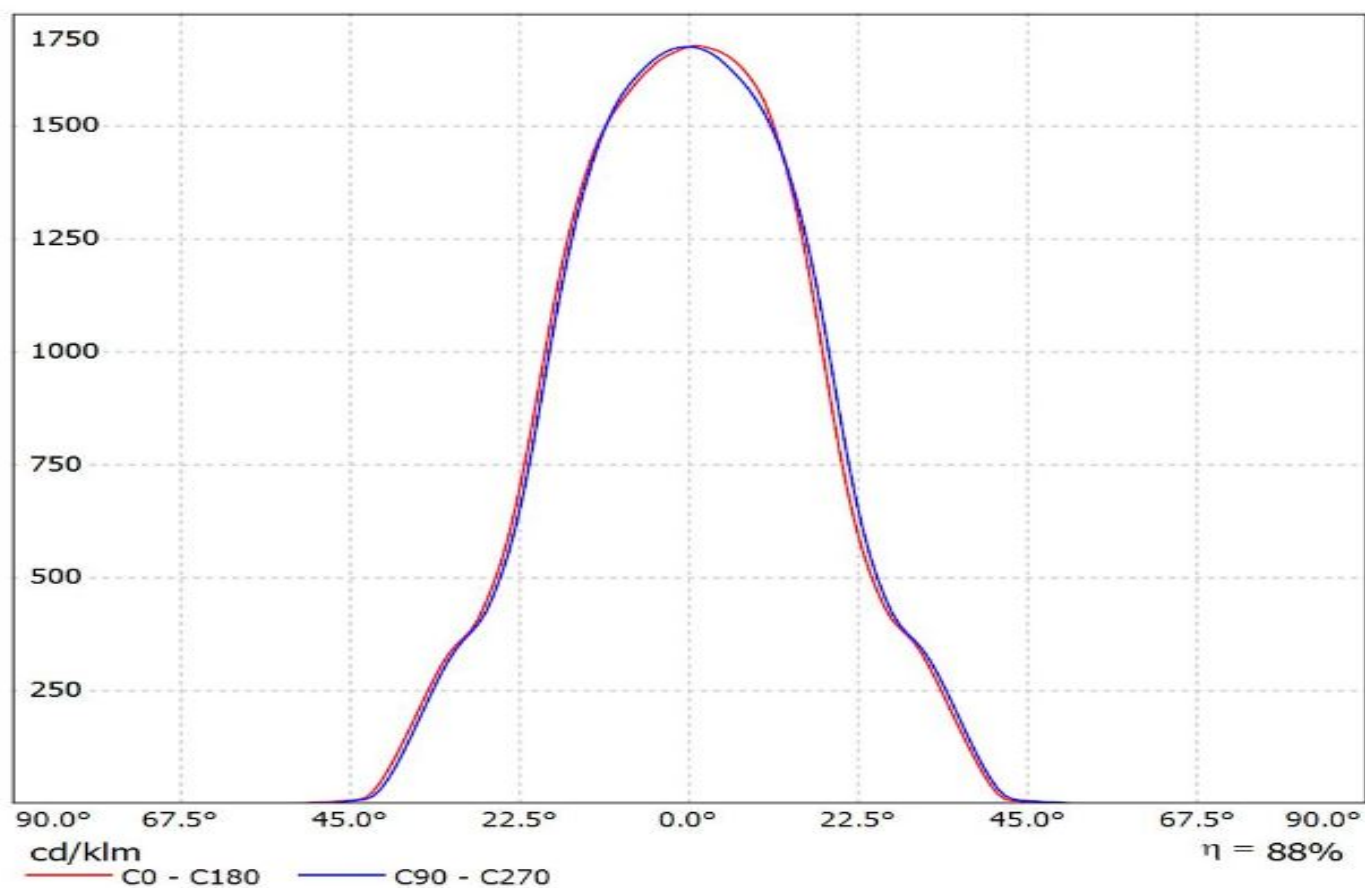
_847.836lm@250mA_CCT=3000K_P=8.27W_I=0.25A



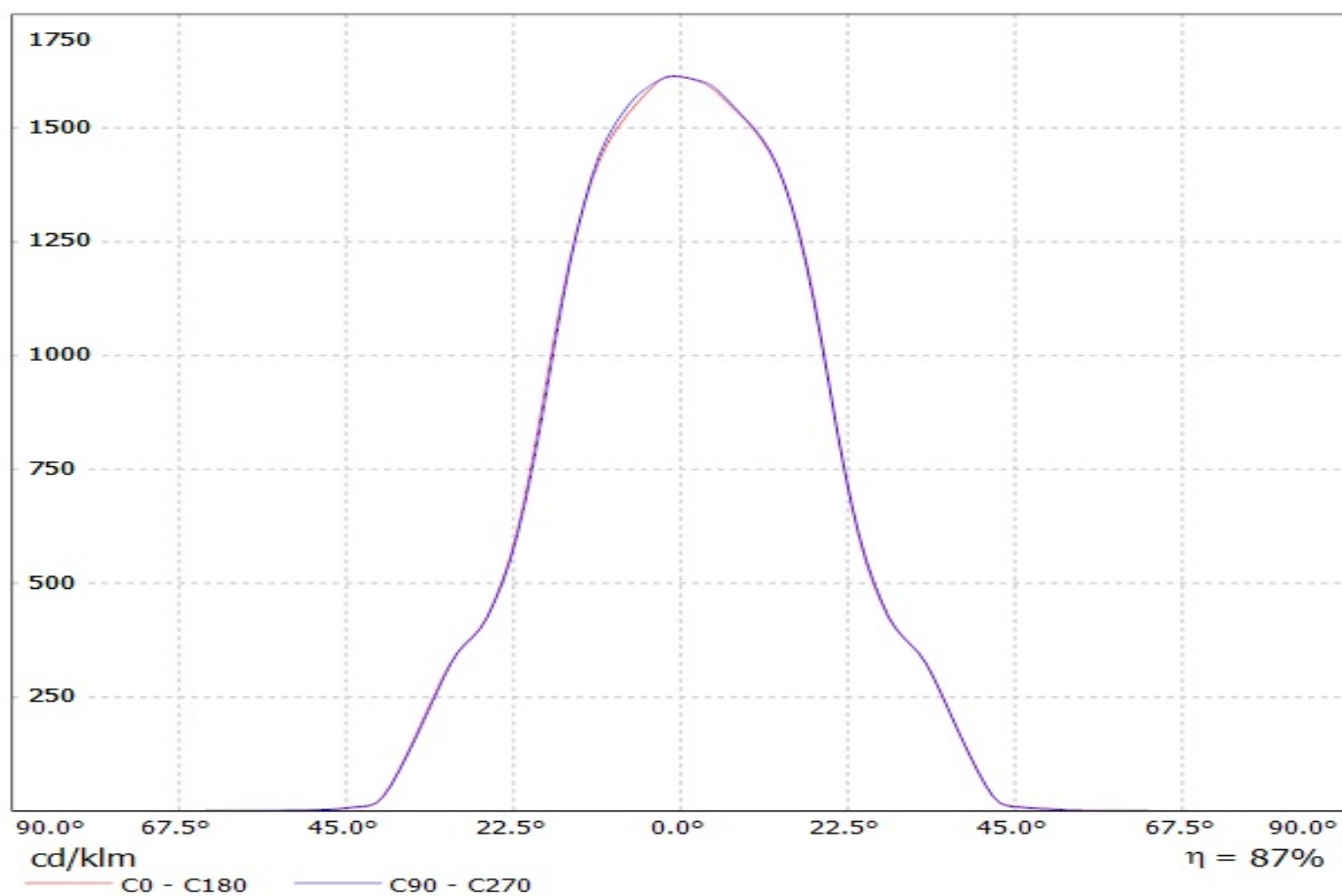
Luminaire: Ledil FCN13927_BARBARA-W-PF-VERO13-18_(Soleriq_S13)
Lamps: 1 x Osram_Soleriq_S13_(GW_KAGHB1.EM)_931.029lm@250mA_P=7.44679W_I=250mA



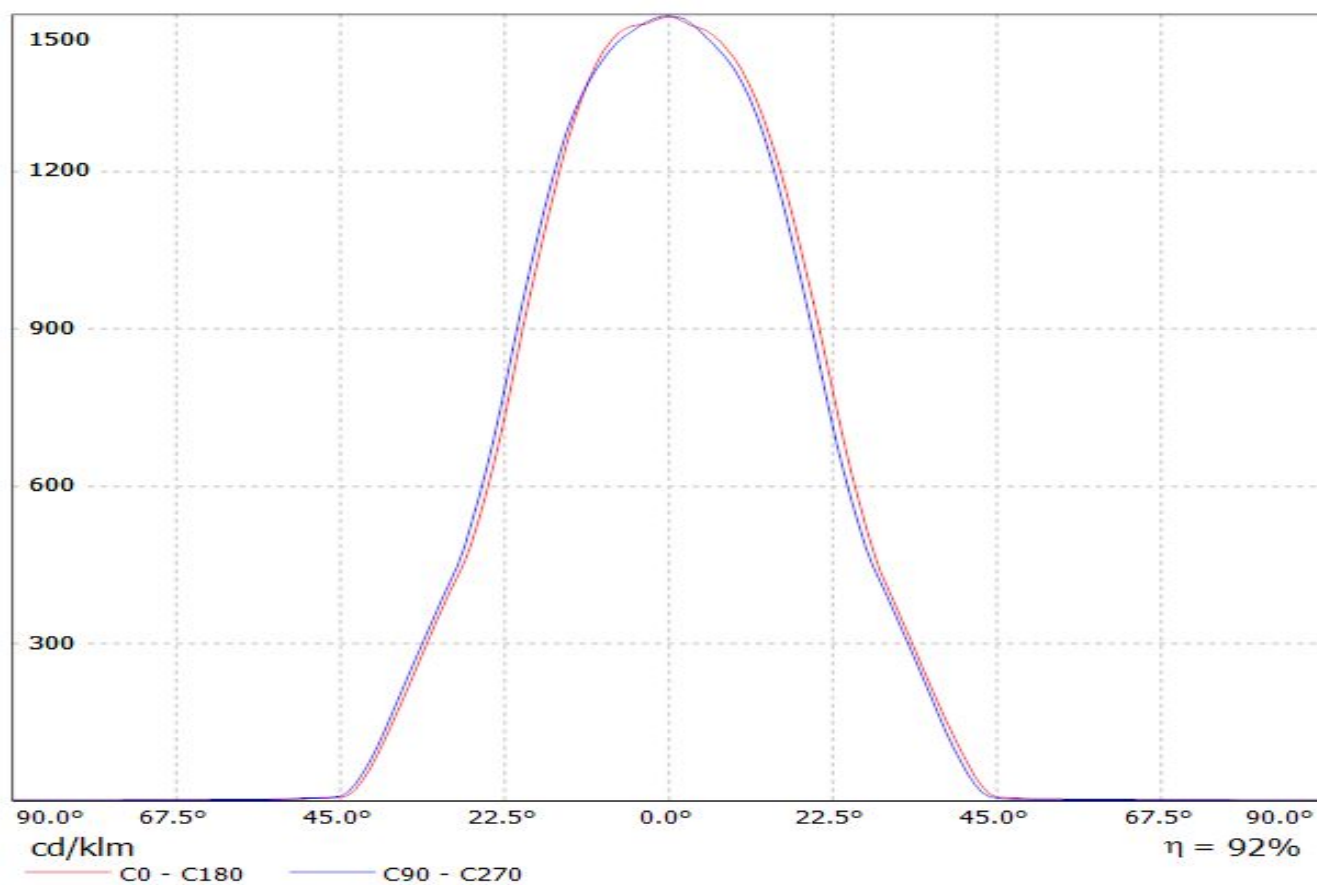
Luminaire: Ledil FCN13927_BARBARA-W-PF-VERO13/18_(NFDxJ130B)
Lamps: 1 x Nichia_NFDxJ130B_(463 Typ L2)_C13709_PF-SOCKET-VERO13-18_1532.05lm@250mA_P=8.27W_I=0.25A



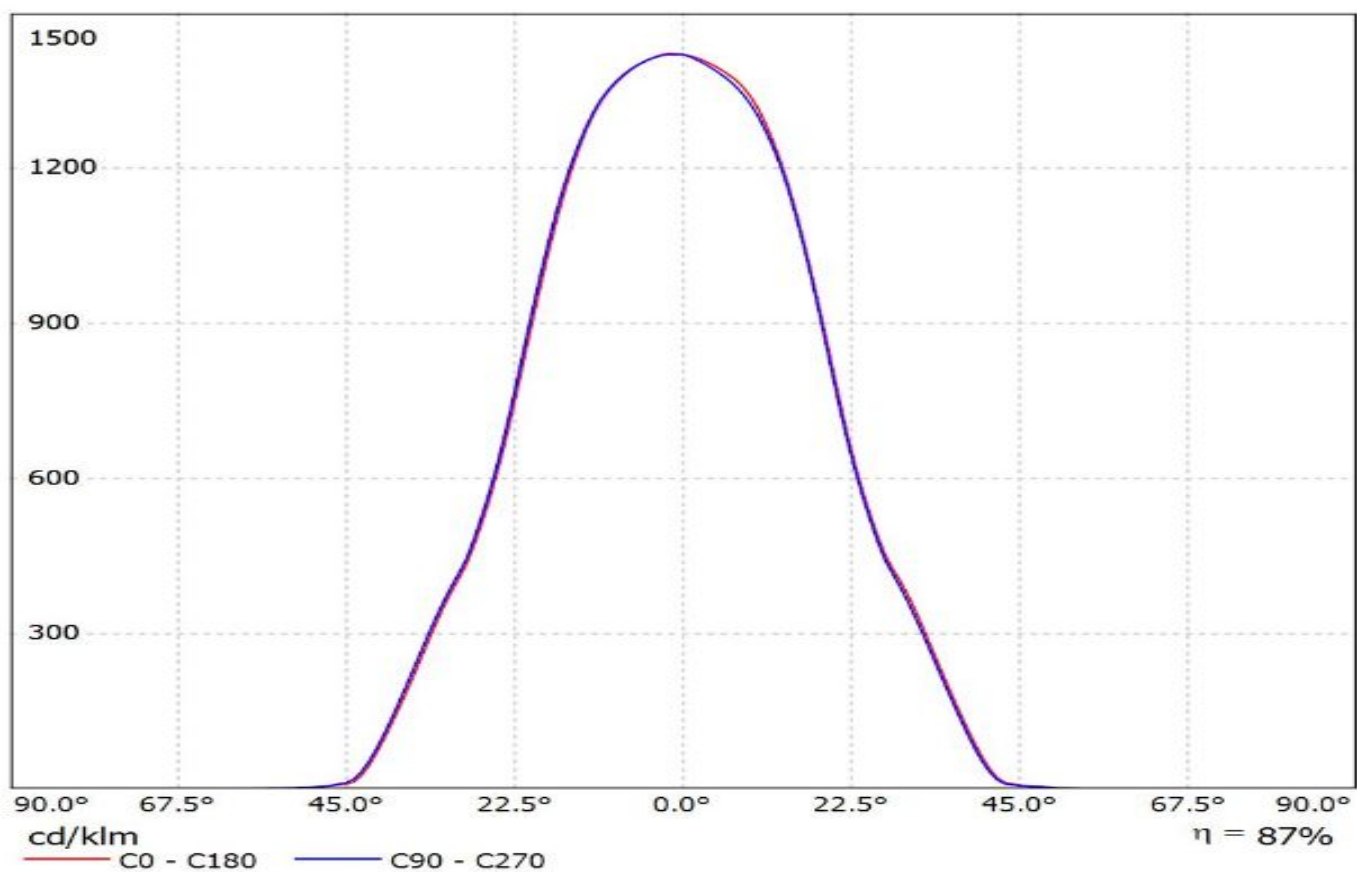
Luminaire: Ledil FCN13927 BARBARA-W-PF-VERO13-18_(CLU034)_(433_Typ_L1)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1180.79lm@250mA_P=8.50075W_I=0.25A



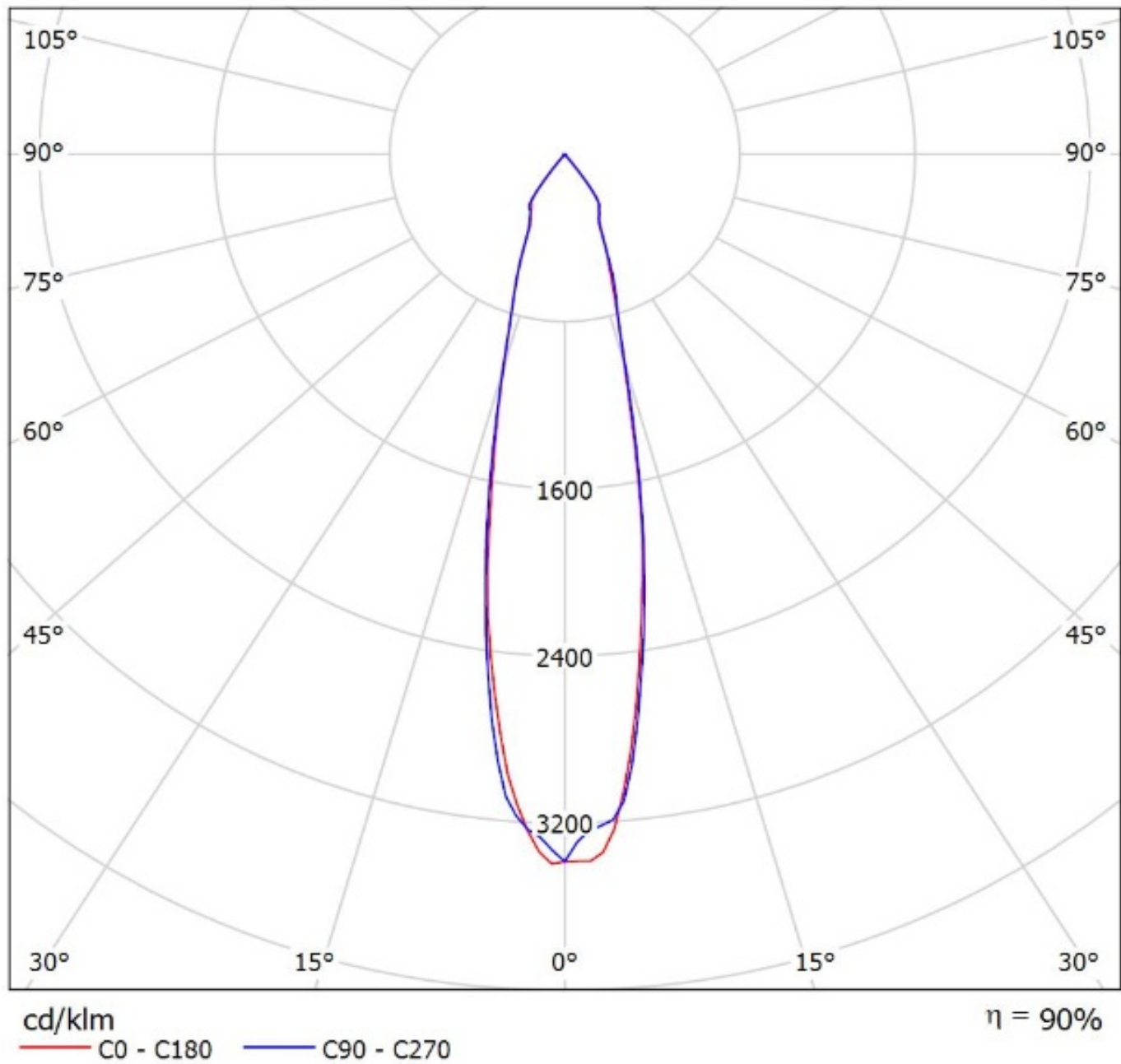
Luminaire: LEDiL Oy FCN13927_BARBARA-W-PF-VERO1318
Lamps: 1 x VERO18_878.76lm@250mA_P=6.73231W_I=249.9mA



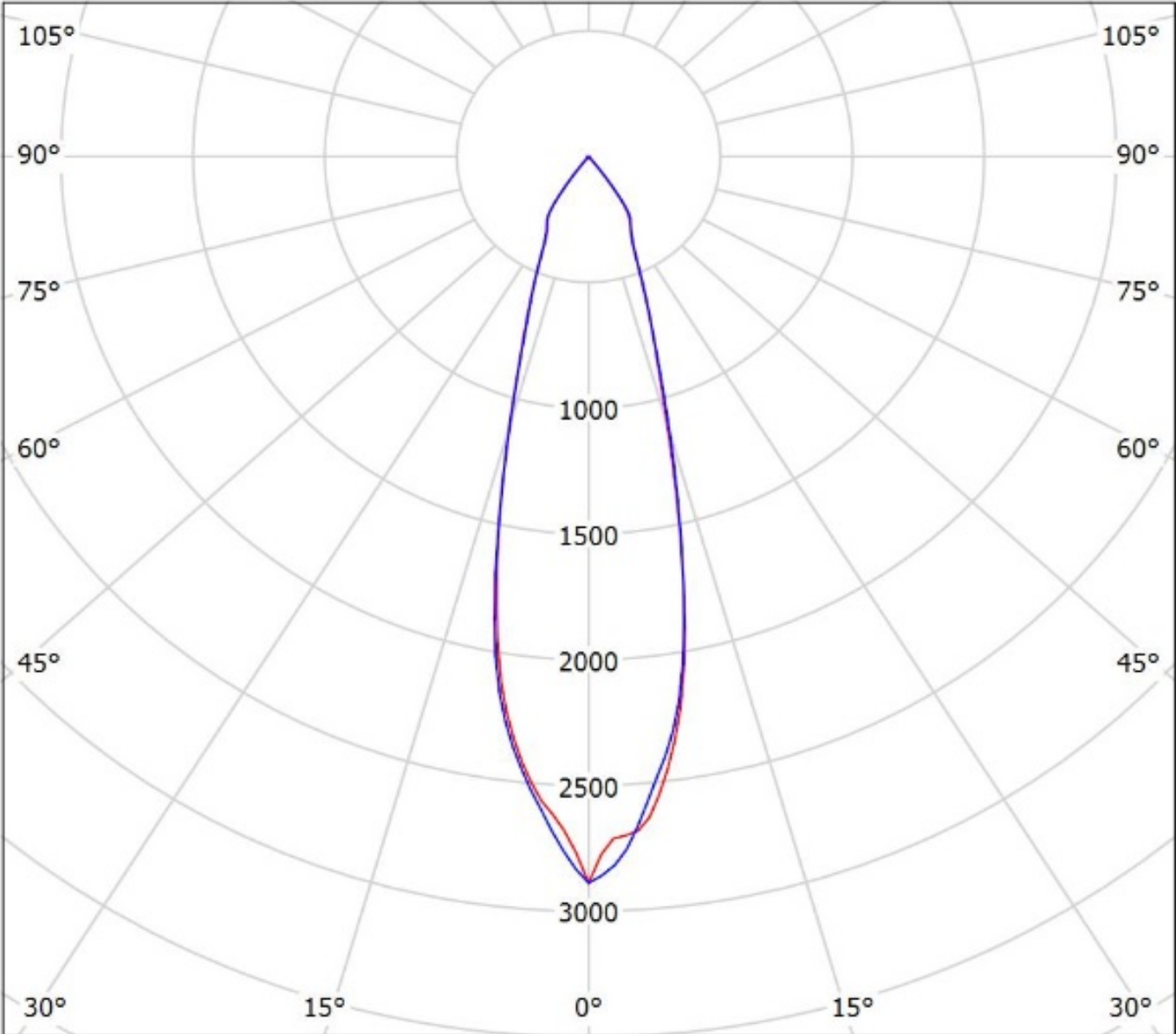
Luminaire: Ledil FCN13927_BARBARA-W-PF-VERO13/18_(LC040B)_(450_Typ_L2)_(C13709)
Lamps: 1 x Samsung_LC040B_(SPHWW1HDNE25010101)_CCT=3000k_(450_Typ_L2)_(C13709_PF-SOCKET-VERO13-18)_1115.79lm@250mA_P=8.075W_I=0.25A



Luminaire: Ledil Oy FCN13927_BARBARA-W-PF-VERO13-18_(LC010C)_(B+W_479_Typ_L1)_SIMULATED
Lamps: 1 x Samsung LC010C + Bender & Wirth 479 Type L1



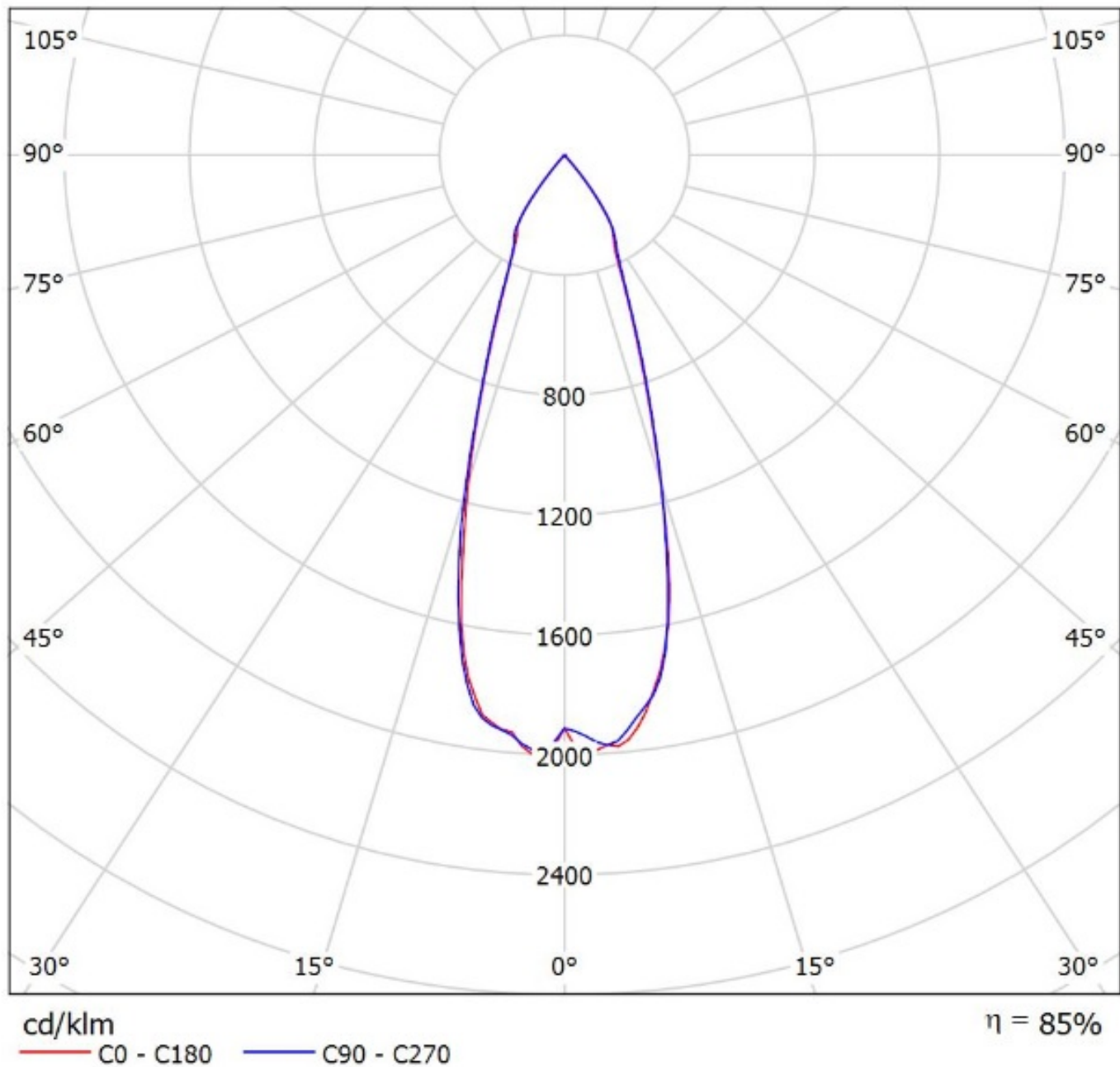
Luminaire: Ledil Oy FCN13927_BARBARA-W-PF-VERO13-18_(LC020C)_(B+W_479_Typ_L1)_SIMULATED
Lamps: 1 x Samsung LC020C + Bender & Wirth 479 Type L1



cd/klm
C0 - C180 C90 - C270

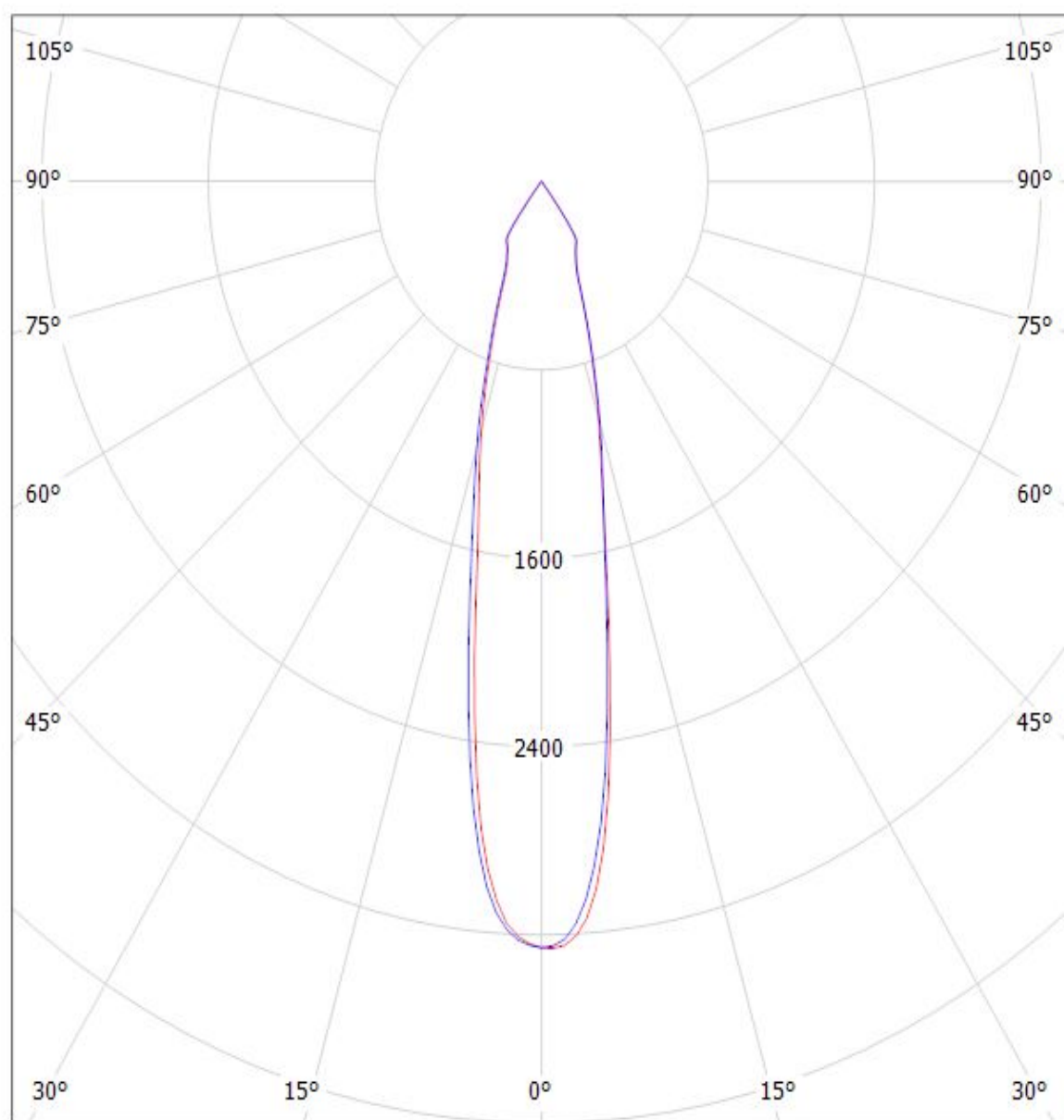
$\eta = 89\%$

Luminaire: Ledil Oy FCN13927_BARBARA-W-PF-VERO13-18_(LC040C)_(B+W_480_Typ_L1)_SIMULATED
Lamps: 1 x Samsung LC040C + Bender & Wirth 480 TYpe L1



Luminaire: LEDiL Oy FCN13927_BARBARA-W-PF-VERO13-18_(CLU700)

Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_(C13709)_(434_Typ_L1)_374.62lm@100mA_P=2.81352W_I=0.1002A

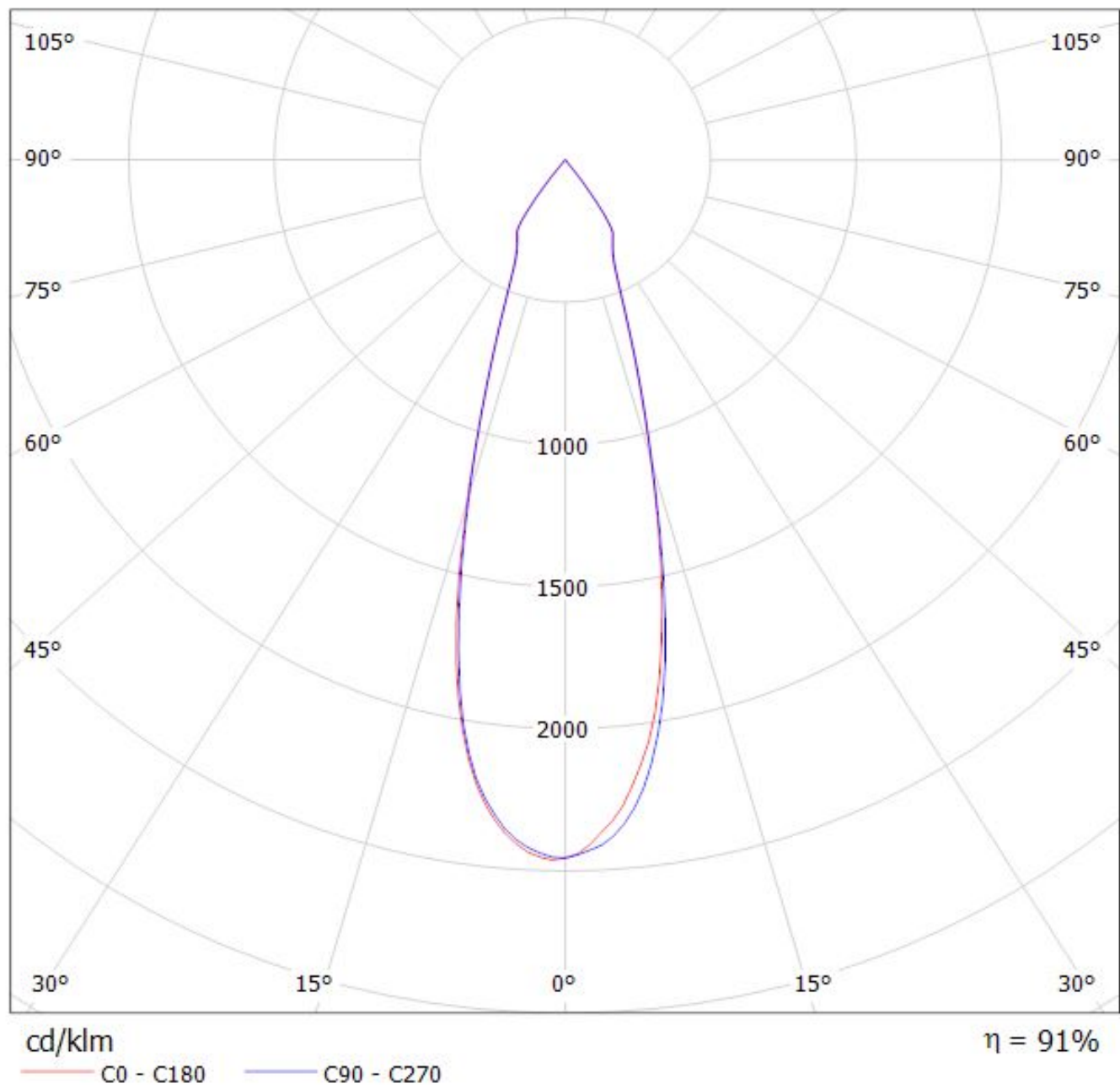


cd/klm

η = 89%

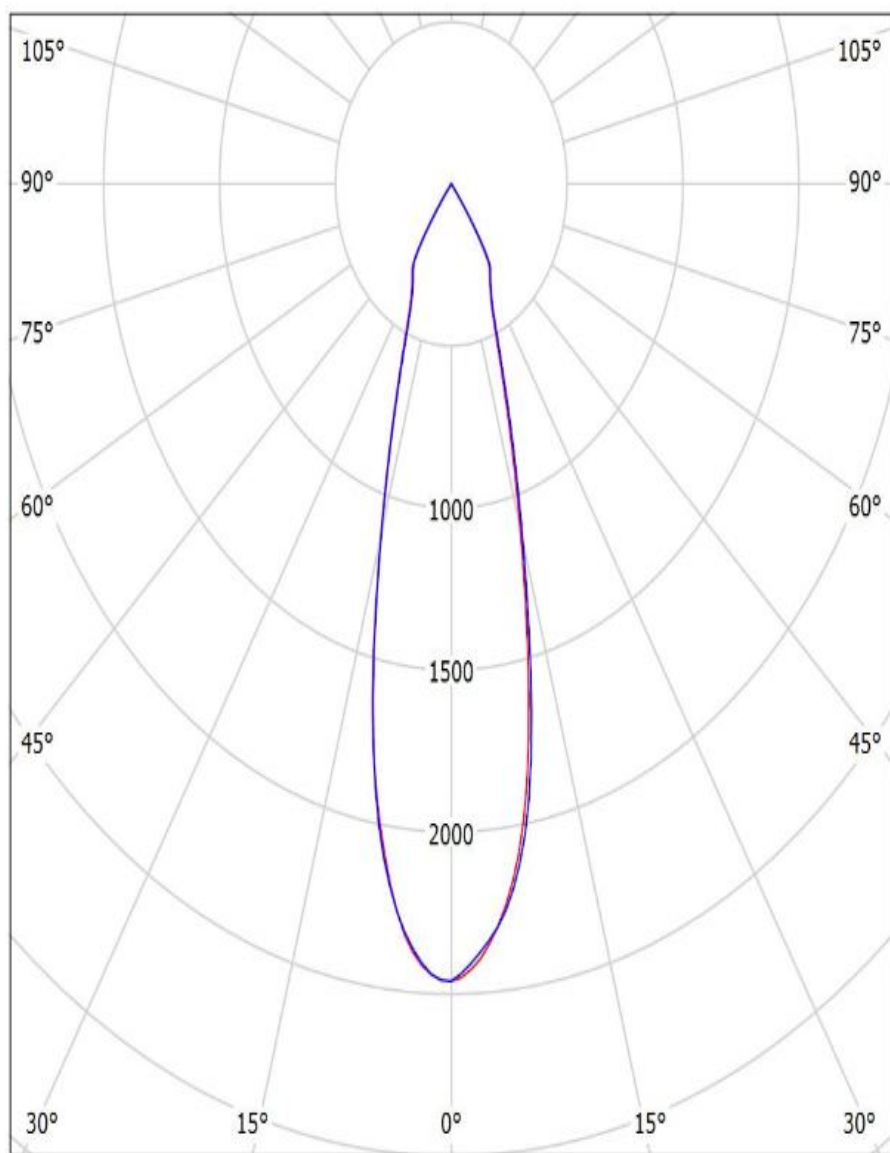
C0 - C180 C90 - C270

Luminaire: LEDiL Oy FCN13927_BARBARA-W-PF-VERO13-18_(NFCLL036B)
Lamps: 1 x Nichia NFCLL036B (sm403J1300R8000)_542.652lm@100mA_CCT=4000K_P=3.34084W_I=0.100A



Luminaire: Ledil FCN13927_BARBARA-W-PF-VERO13-18_(CXA1520) CXA1520_(CXA1520-30F-N4-N0H-00001)_(441_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_1036.14lm@250mA_P=8.825W_I=0.25A

Lamps: 1 x CXA1520_(CXA1520-30F-N4-N0H-00001)_(441_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_1036.14lm@250mA_P=8.825W_I=0.25A



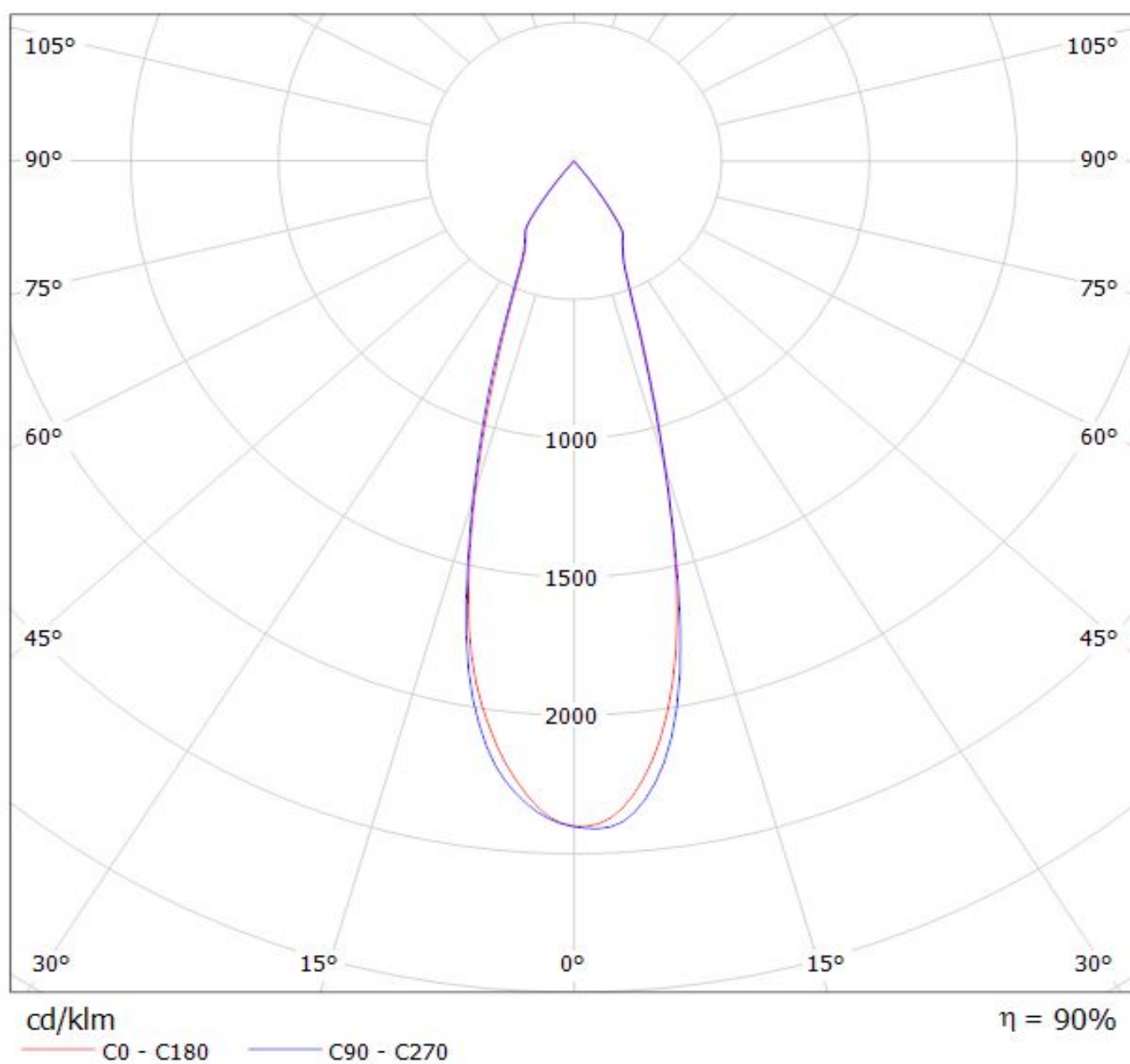
cd/klm

— C0 - C180

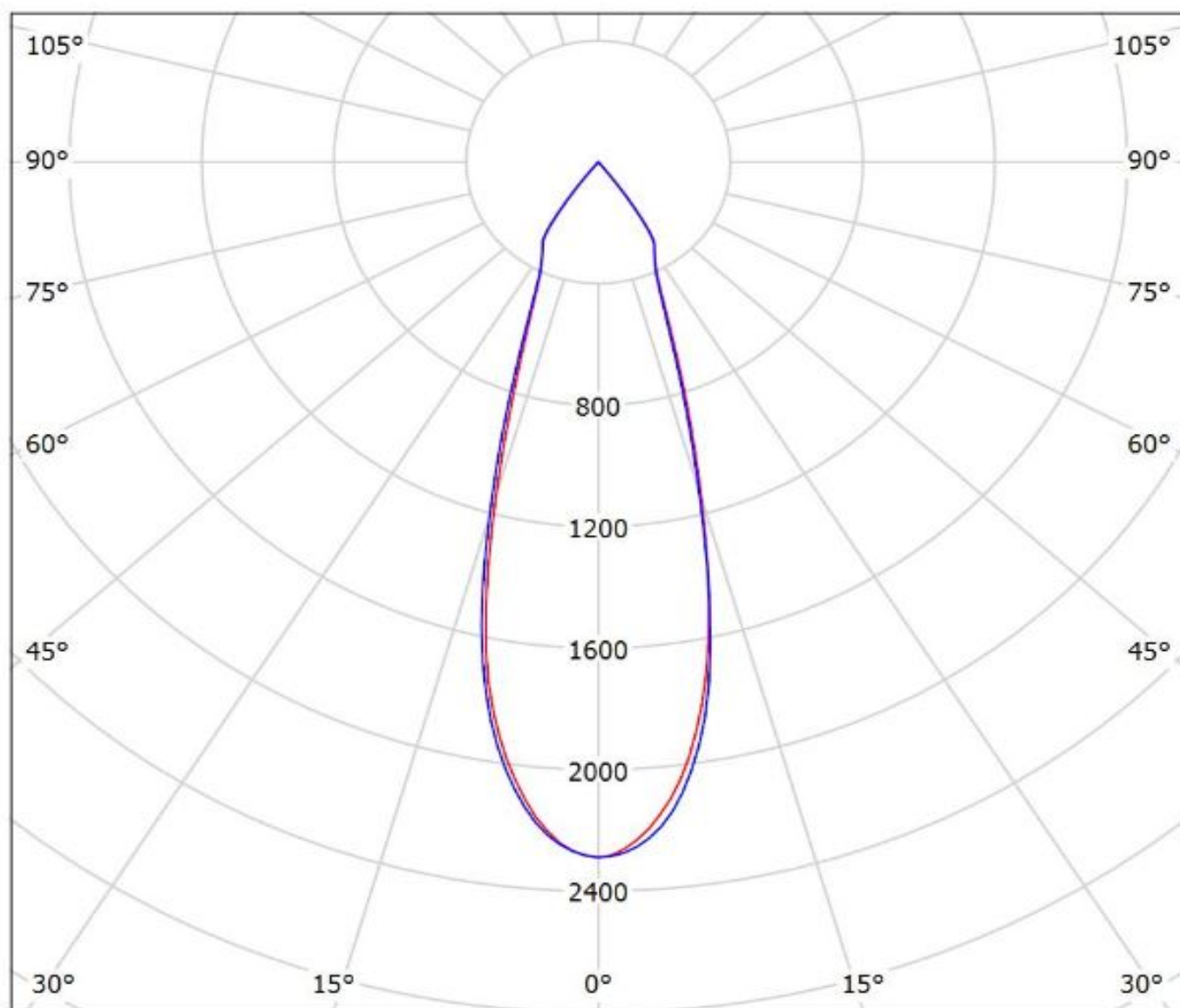
— C90 - C270

$\eta = 88\%$

Luminaire: LEDiL Oy FCN13927_BARBARA-W-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_η=0.2498A



Luminaire: Ledil FCN13927_BARBARA-W-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

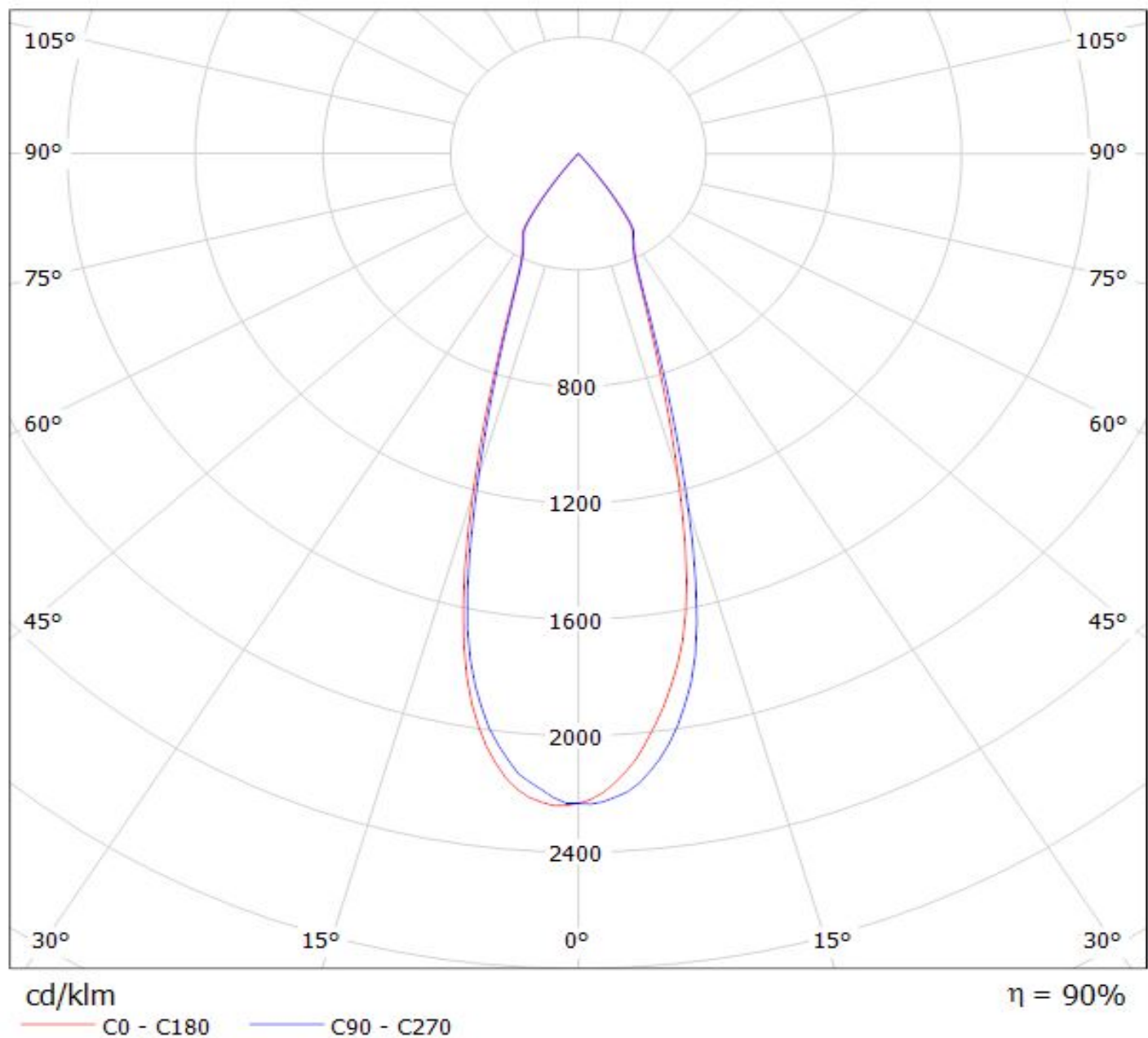


cd/klm

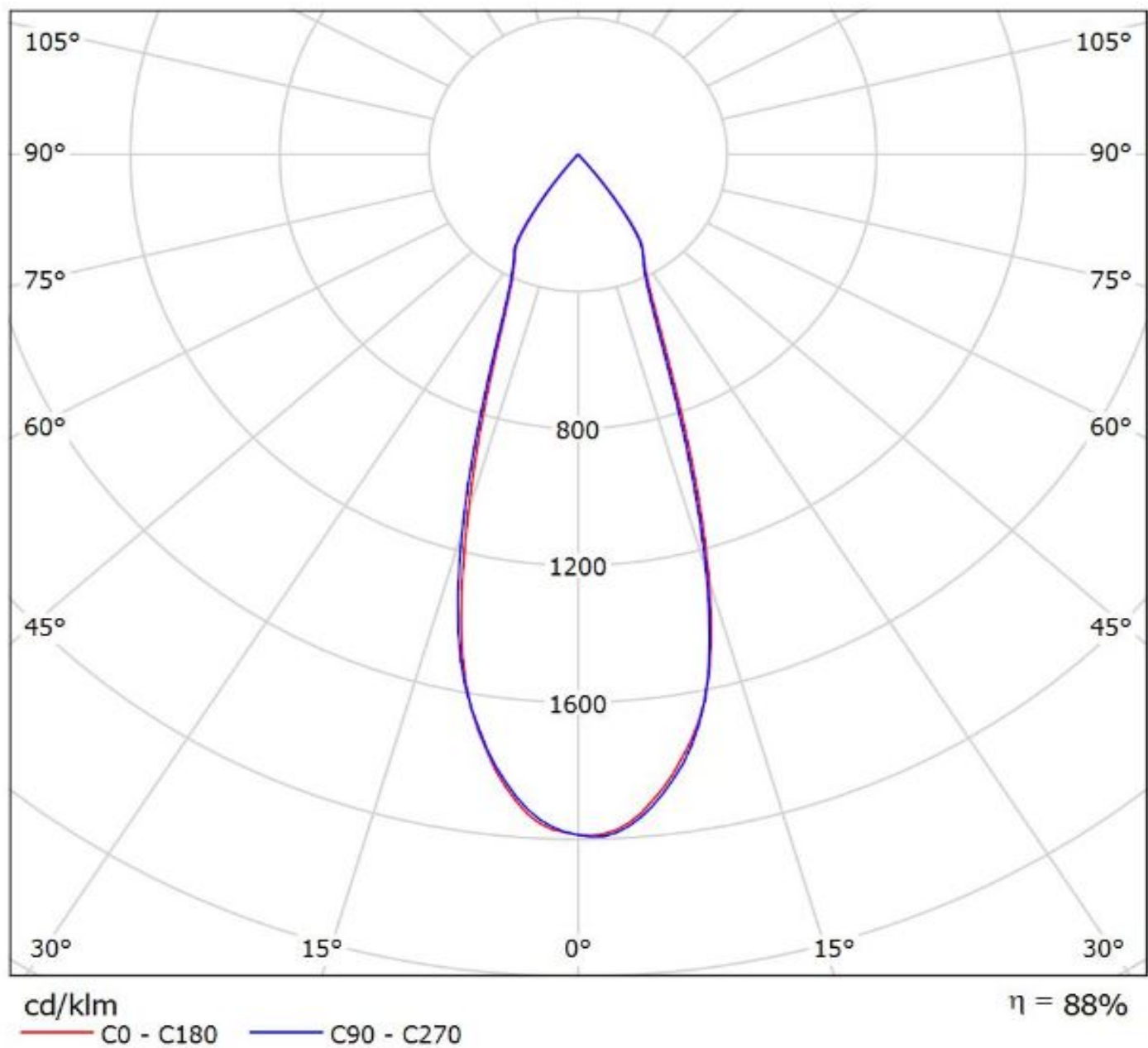
$\eta = 88\%$

— C0 - C180 — C90 - C270

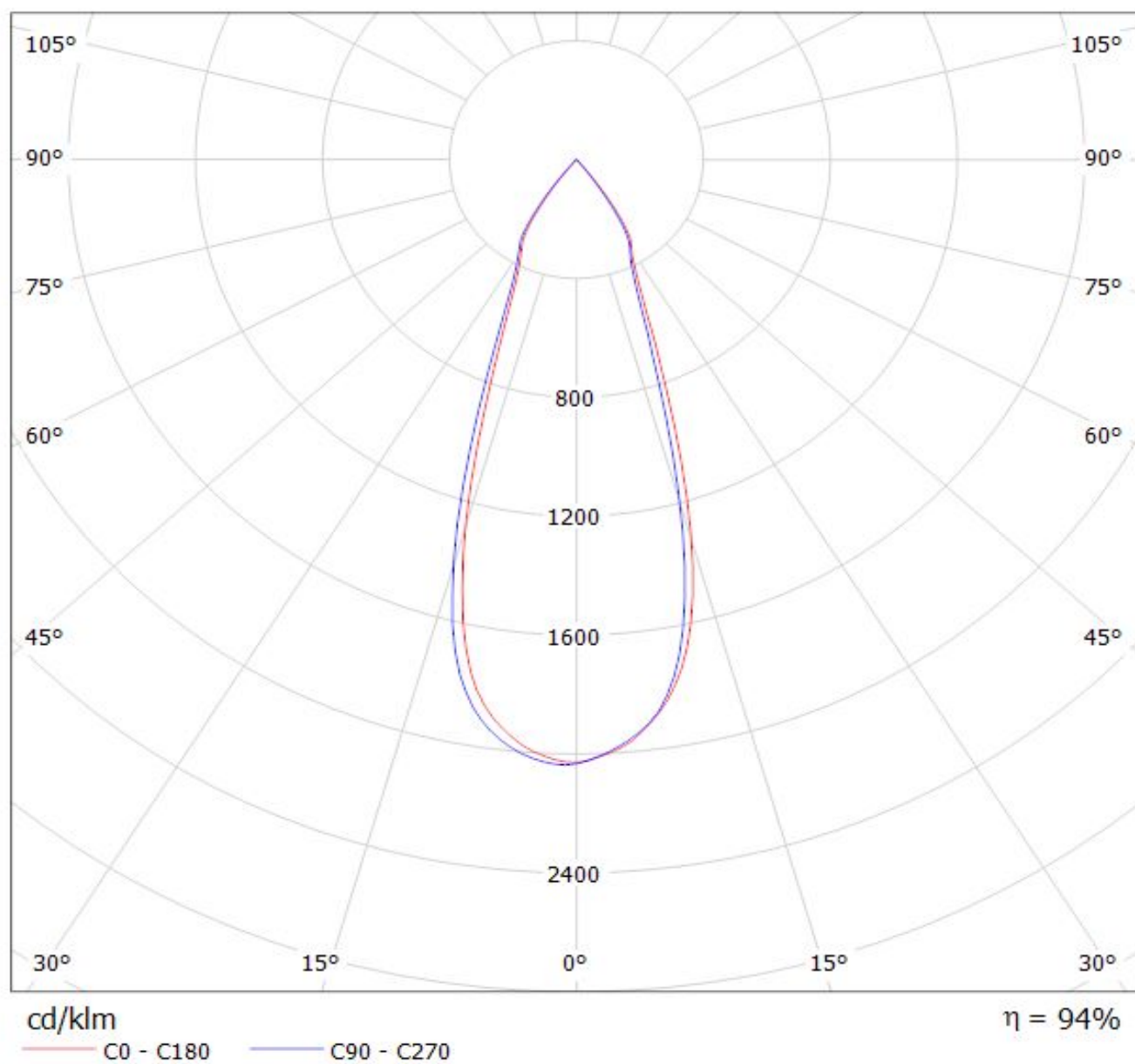
Luminaire: LEDiL Oy FCN13927_BARBARA-W-PF-VERO13/18_(SLE-G5_LES-11)
Lamps: 1 x Tridonic_SLE-G5_LES-11_1142.55lm@250mA_P=8.4070W_I=0.250A



Luminaire: Ledil FCN13927_BARBARA-W-PF-VERO13/18_(NFCLL060B)
Lamps: 1 x Nichia_NFCLL060B_(438_TYP_L1)_1365.88lm@250mA_P=8.375W_I=0.25A



Luminaire: LEDiL Oy FCN13927_BARBARA-W-PF-VERO13/18
Lamps: 1 x VERO13_1029@250mA_P=7.54246W_I=249.8mA

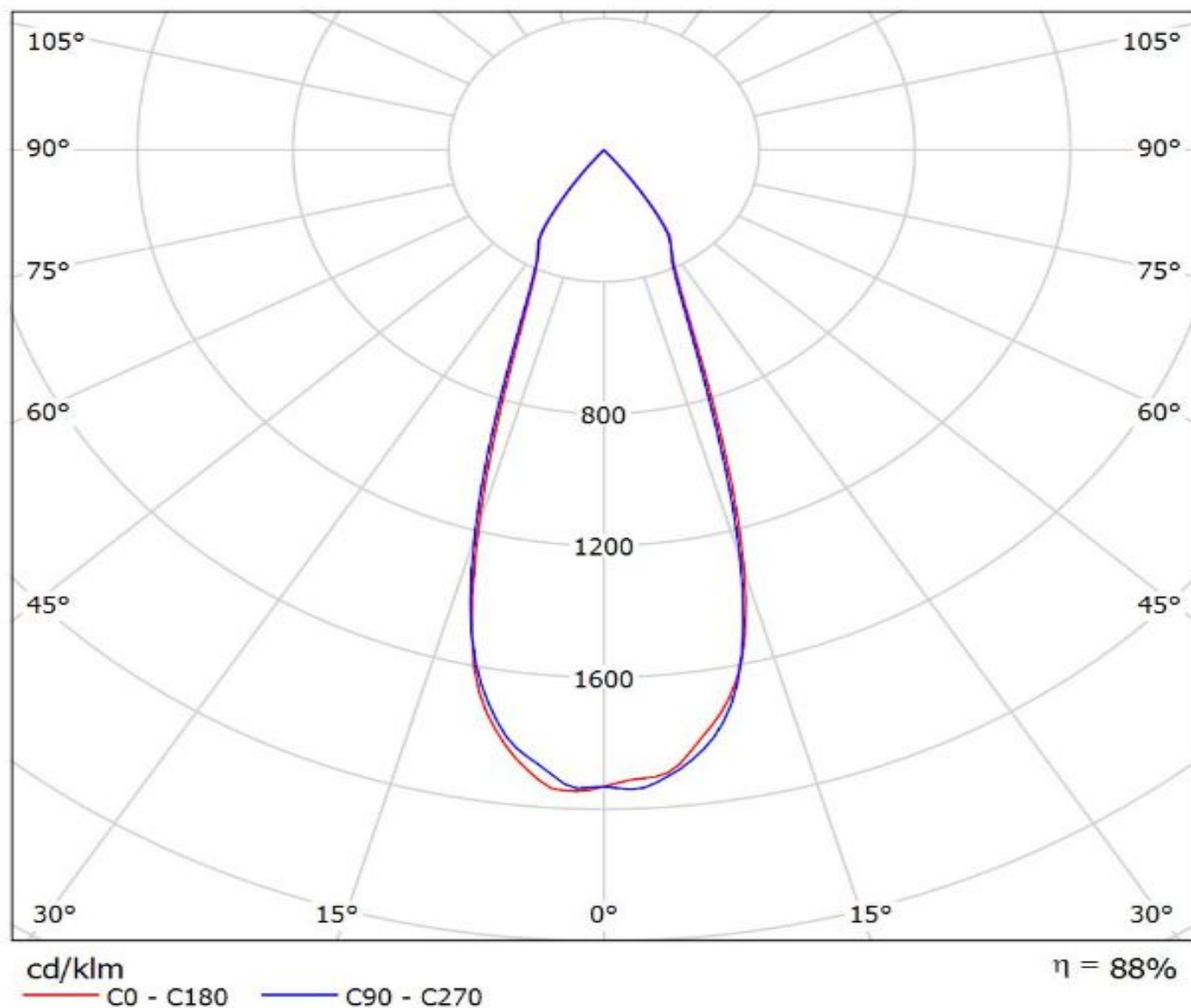


Ledil FCN13927_BARBARA-W-PF-VERO13-18_(CXA1850) / LDC (Polar)

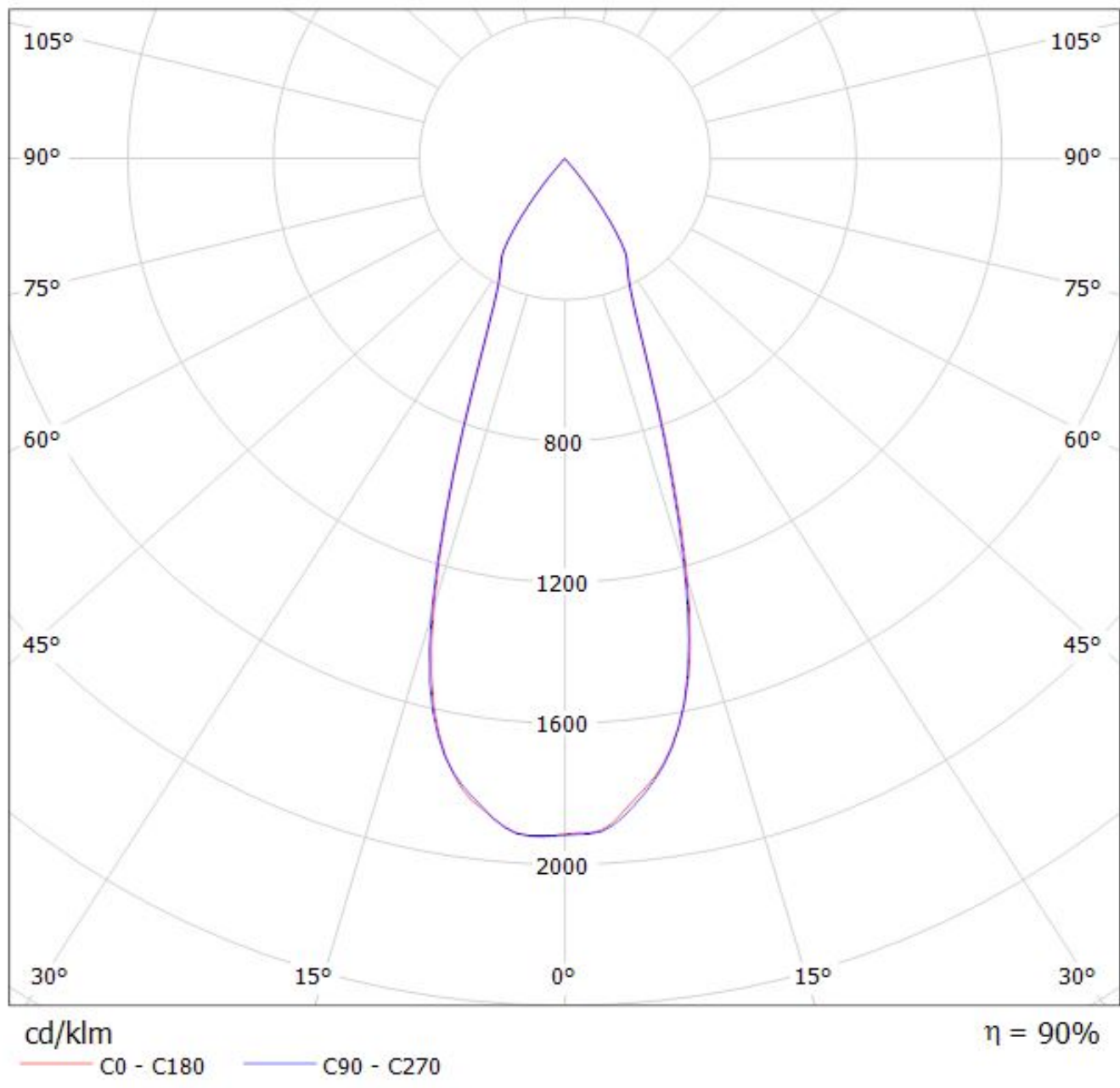
Luminaire: Ledil FCN13927_BARBARA-W-PF-VERO13-18_(CXA1850)

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

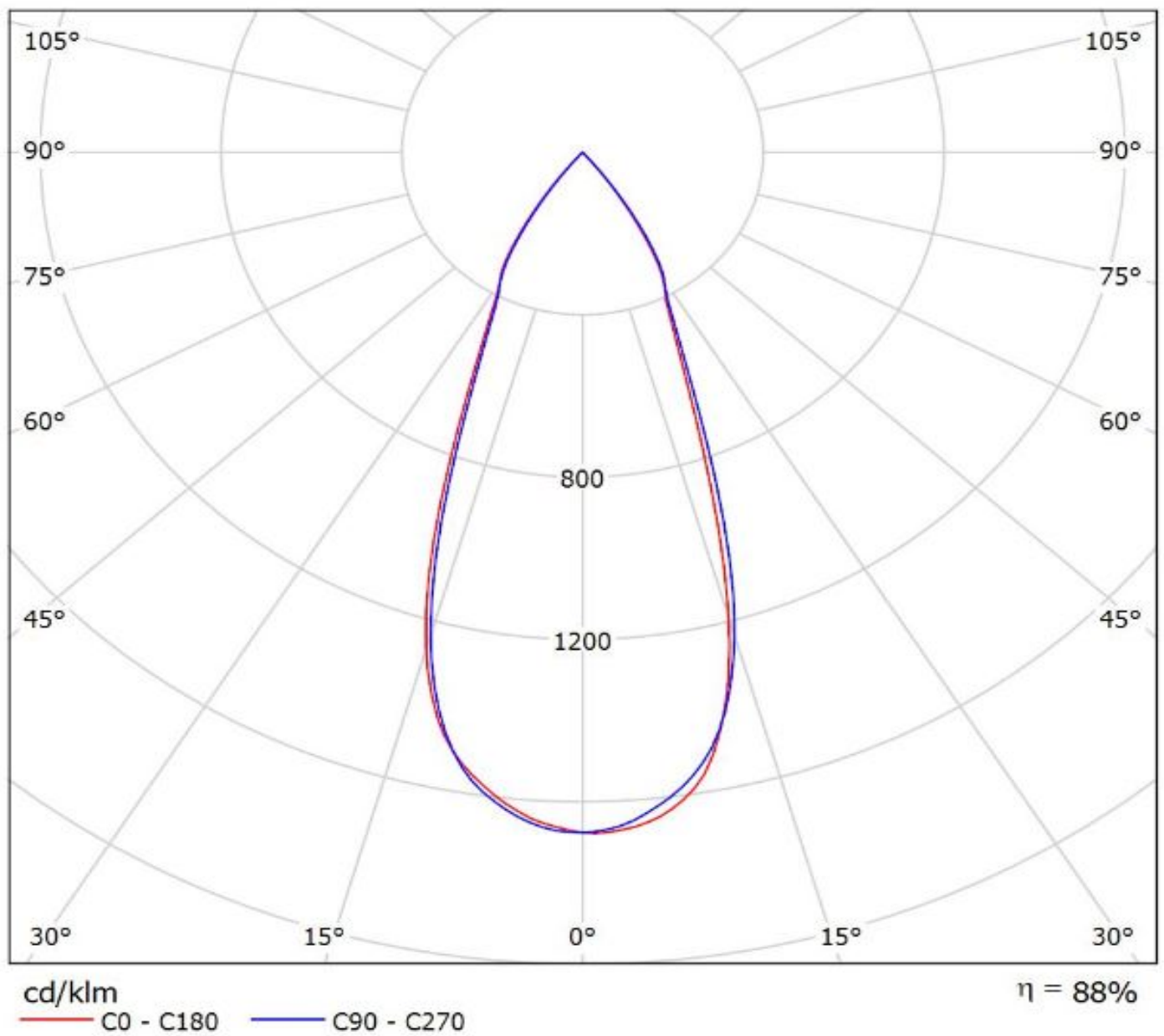
_847.836lm@250mA_CCT=3000K_P=8.27W_I=0.25A



Luminaire: Ledil FCN13927_BARBARA-W-PF-VERO13-18_(Soleriq_S13)
Lamps: 1 x Osram_Soleriq_S13_(GW_KAGHB1.EM)_931.029lm@250mA_P=7.44679W_I=250mA

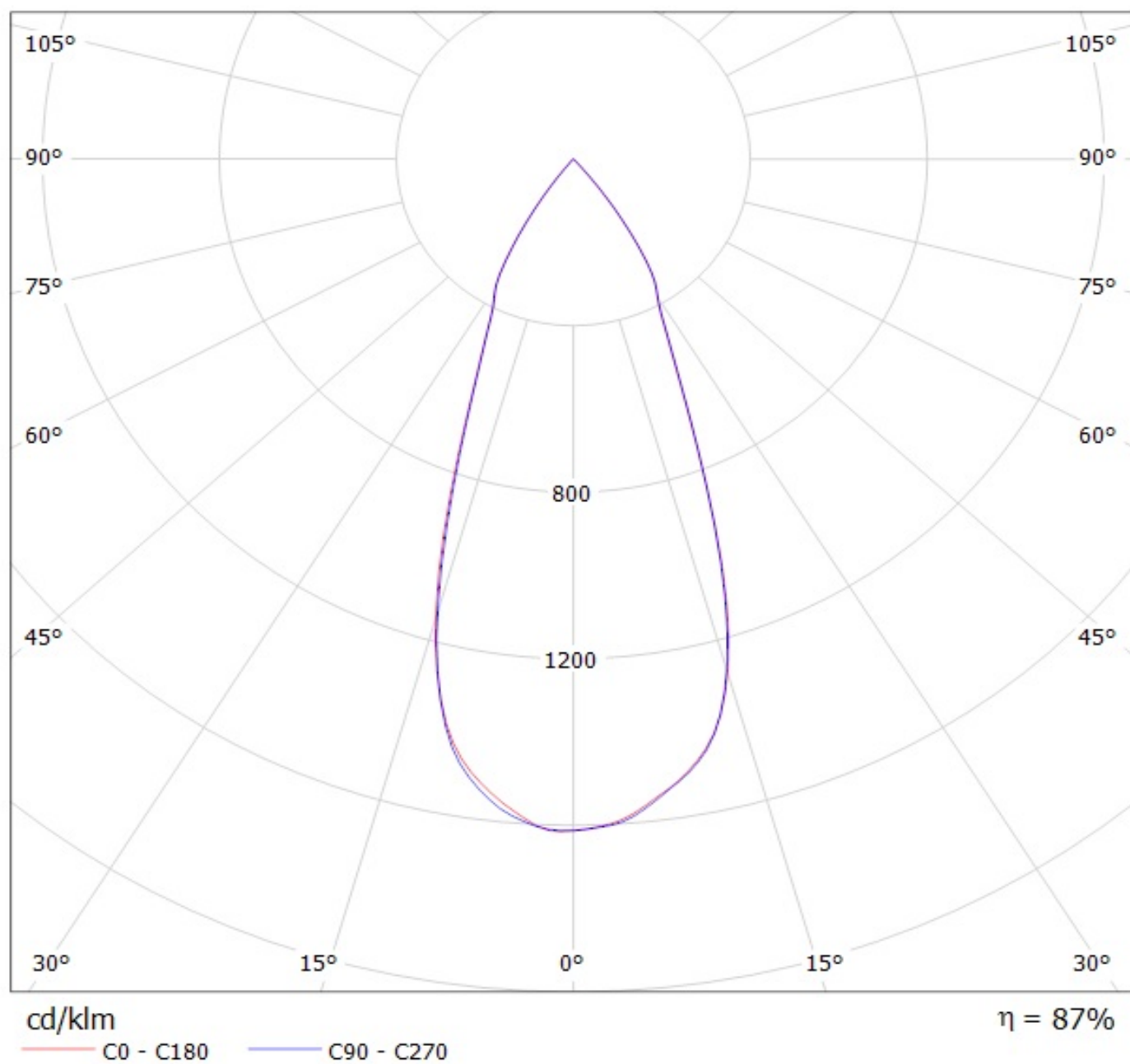


Luminaire: Ledil FCN13927_BARBARA-W-PF-VERO13/18_(NFDxJ130B)
Lamps: 1 x Nichia_NFDxJ130B_(463 Typ L2)_C13709_PF-SOCKET-VERO13-18_1532.05lm@250mA_P=8.27W_I=0.25A

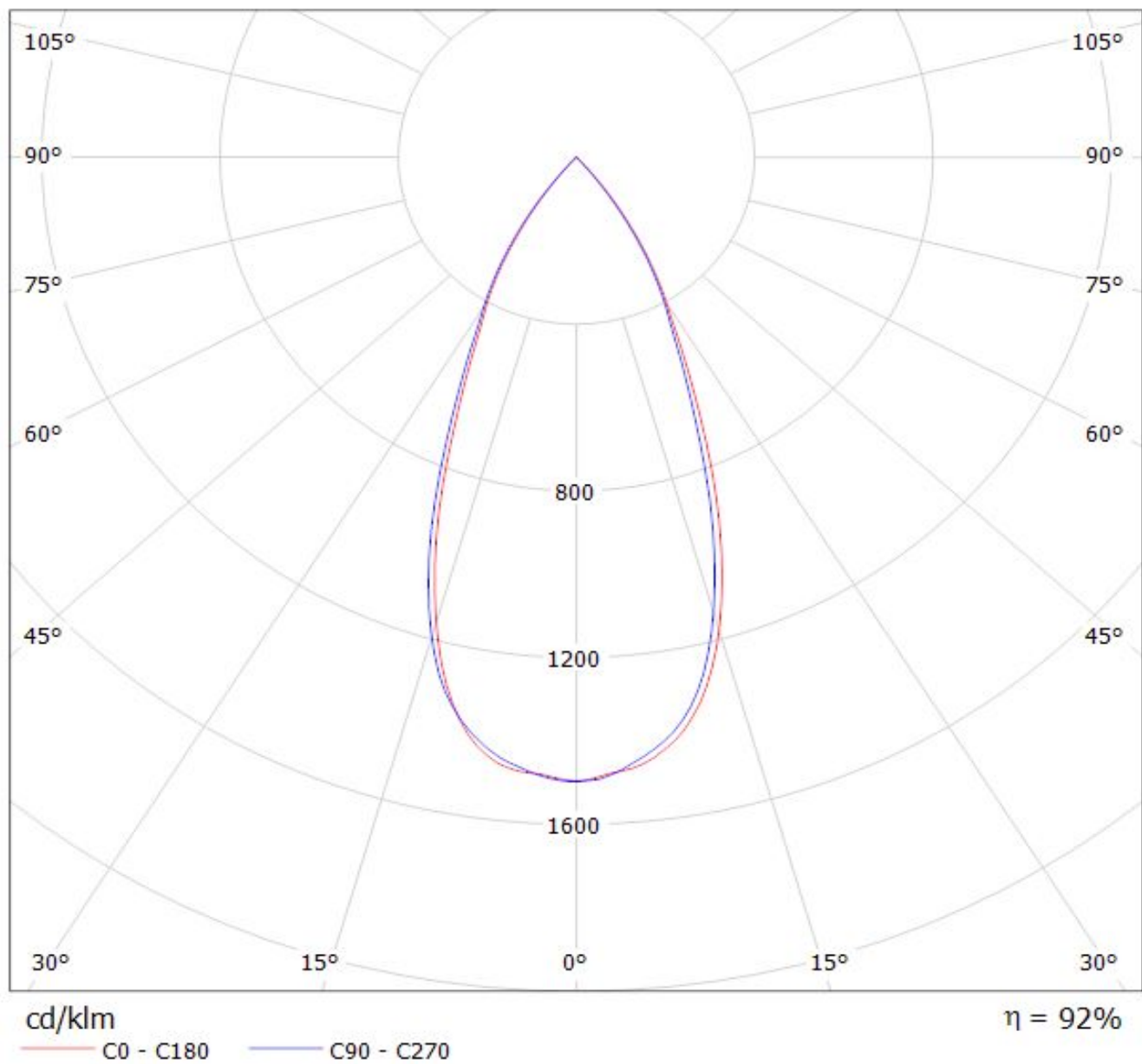


Luminaire: Ledil FCN13927_BARBARA-W-PF-VERO13-18_(CLU034)_(433_Typ_L1)

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

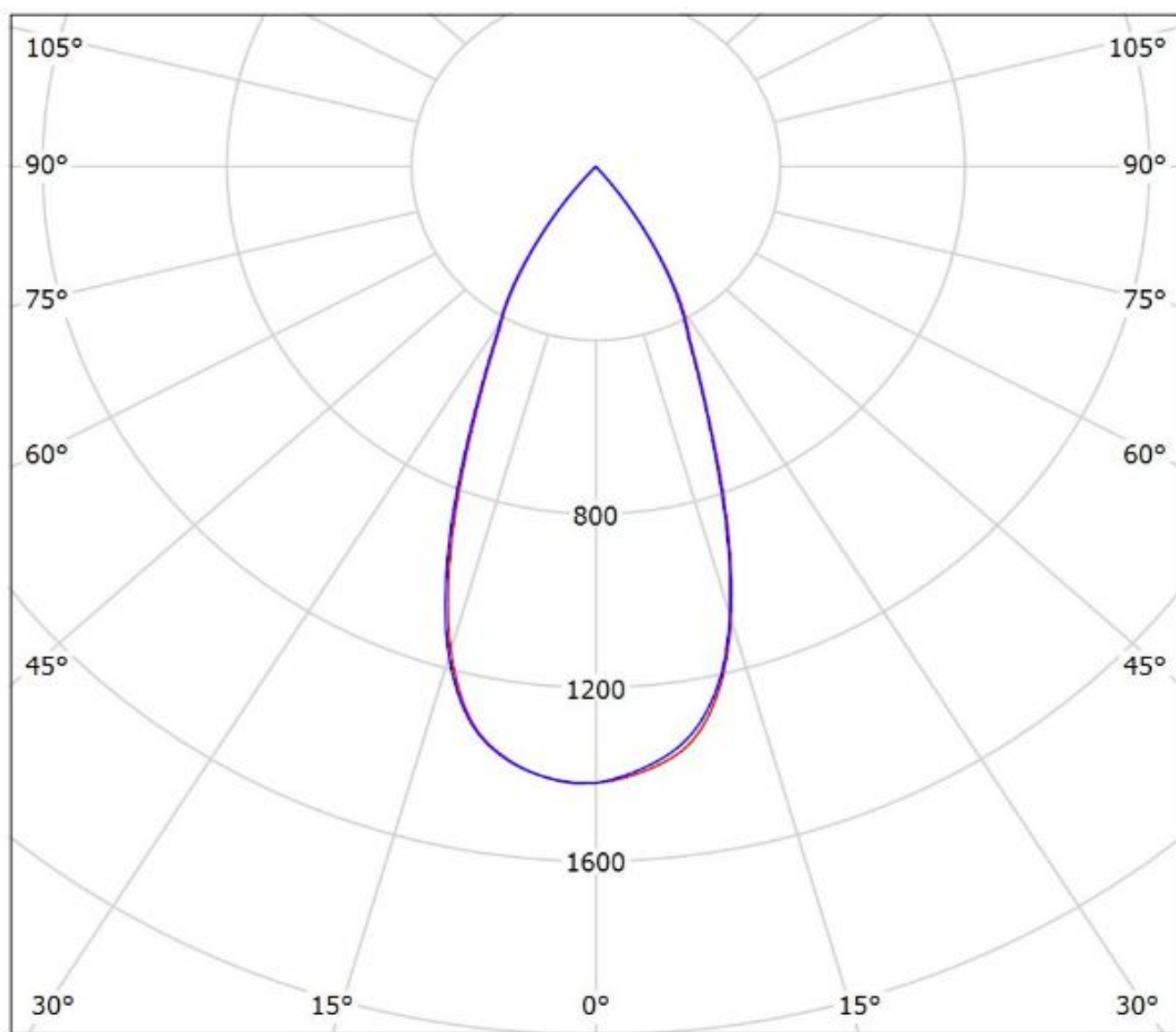


Luminaire: LEDiL Oy FCN13927_BARBARA-W-PF-VERO1318
Lamps: 1 x VERO18_878.76lm@250mA_P=6.73231W_I=249.9mA



Luminaire: Ledil FCN13927_BARBARA-W-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



cd/klm

η = 87%

— 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.