



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



DETAILS

Product Number	CN13920_MIRELLA-50-M-PF-VERO13
Family	Mirella
Type	RefPack
Color	metal
Diameter	49,9 mm
Height	24 mm
Style	round
Optic Material	
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	6/03/2017



OPTICAL PROPERTIES

LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
VERO13	34 deg	Medium	88 %	1.800	-
Xenio Point 13mm	34 deg	Medium	84 %	1.760	LEDiL: LEDiL
CLU720/721	29 deg	Medium	80 %	2.000	Bender Wirth: 433 Typ L1
CLU700/701	18 deg	Medium	82 %	4.000	Bender Wirth: 434 Typ L1
CLL02x/CLU02x (LES10)	26 deg	Medium	84 %	2.500	Bender Wirth: 434 Typ L1
CXA/B 15xx	24 deg	Medium	83 %	2.660	Bender Wirth: 441 Typ L1
LUXEON CoB 1202/1203	25 deg	Medium	82 %	2.500	Bender Wirth: 438 Typ L1
LUXEON CoB 1202s	17 deg	Medium	86 %	4.200	Bender Wirth: 452 Typ L1
LUXEON CoB Compact	sim: 17	Medium	sim: 86 %	sim: 4.200	Bender Wirth: 452 Typ L1
CXM-14	sim: 38	Medium	sim: 75 %	sim: 1.400	-
CXM-9	sim: 26	Medium	sim: 84 %	sim: 2.500	Bender Wirth: 434 Typ L1
COB L-Type (LES 9)	24 deg	Medium	84 %	2.600	Bender Wirth: 438 Typ L1
COB S-Type	sim: 17	Medium	sim: 86 %	sim: 4.200	Bender Wirth: 452 Typ L1
COB L-Type (LES 11)	31 deg	Medium	81 %	1.900	Bender Wirth: 438 Typ L1
Soleroiq P9	24 deg	Medium	85 %	2.600	Bender Wirth: 461 Typ L1
Soleroiq P6	18 deg	Medium	87 %	4.300	Bender Wirth: 446 Typ L1
Soleroiq S9	sim: 23	Medium	sim: 88 %	sim: 3.200	Bender Wirth: 434 Typ L1
Soleroiq S15	sim: 38	Medium	sim: 85 %	sim: 1.560	Bender Wirth: 433 Typ L1
LC010C	sim: 17	Medium	sim: 87 %	sim: 5.300	Bender Wirth: 479 Typ L1
LC020C	sim: 20	Medium	sim: 86 %	sim: 3.900	Bender Wirth: 479 Typ L1
LC040C	sim: 28	Medium	sim: 84 %	sim: 2.200	Bender Wirth: 480 Typ L1
ZC4/6	sim: 26	Medium	sim: 84 %	sim: 2.500	Bender Wirth: 434 Typ L1

D

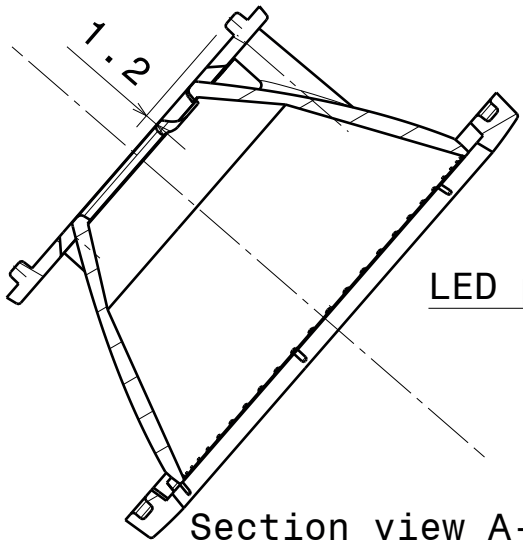
C

B

A

4

4



LED position

Section view A-A
Scale: 3:2

∅49.9

∅3.4

∅1.8

∅31.4

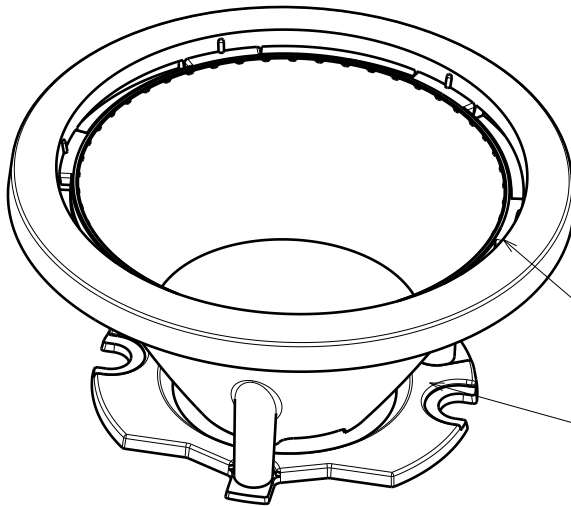
C/C

∅29

C/C

3

3

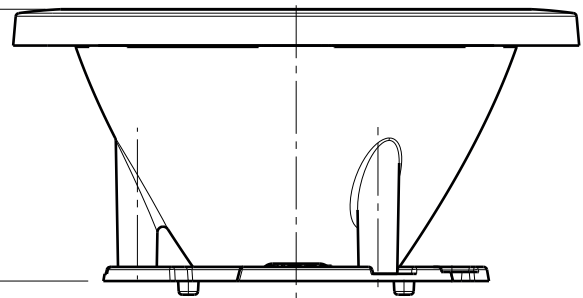


Reflector

Socket

Isometric view
Scale: 3:2

24



CN13918_MIRELLA-50-S-PF-VER013/18
CN13920_MIRELLA-50-M-PF-VER013/18
CN13923_MIRELLA-50-W-PF-VER013/18

NOTE: It is recommended to use glue like DELO-PUR 9895 for pin fastening.

[http://www.delo.de/fileadmin/datasheet/DELO-PUR_9895_\(TIDB-GB\).pdf](http://www.delo.de/fileadmin/datasheet/DELO-PUR_9895_(TIDB-GB).pdf)

2

2

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
MIRELLA-50-PF-VER013/18

This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."

SIZE PART NUMBER
A4 -

SCALE 3:2 WEIGHT - SHEET 1/1

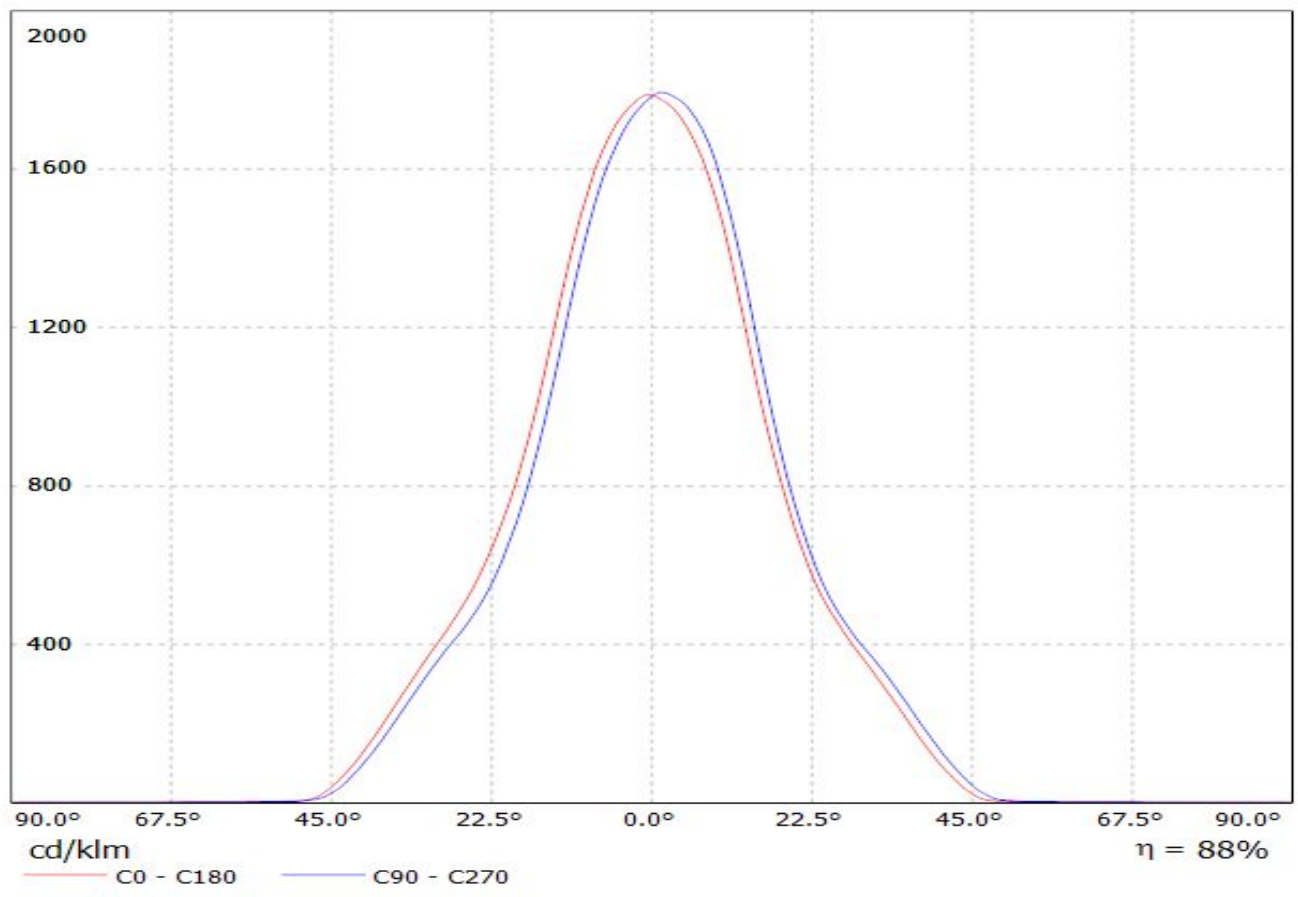
D

A

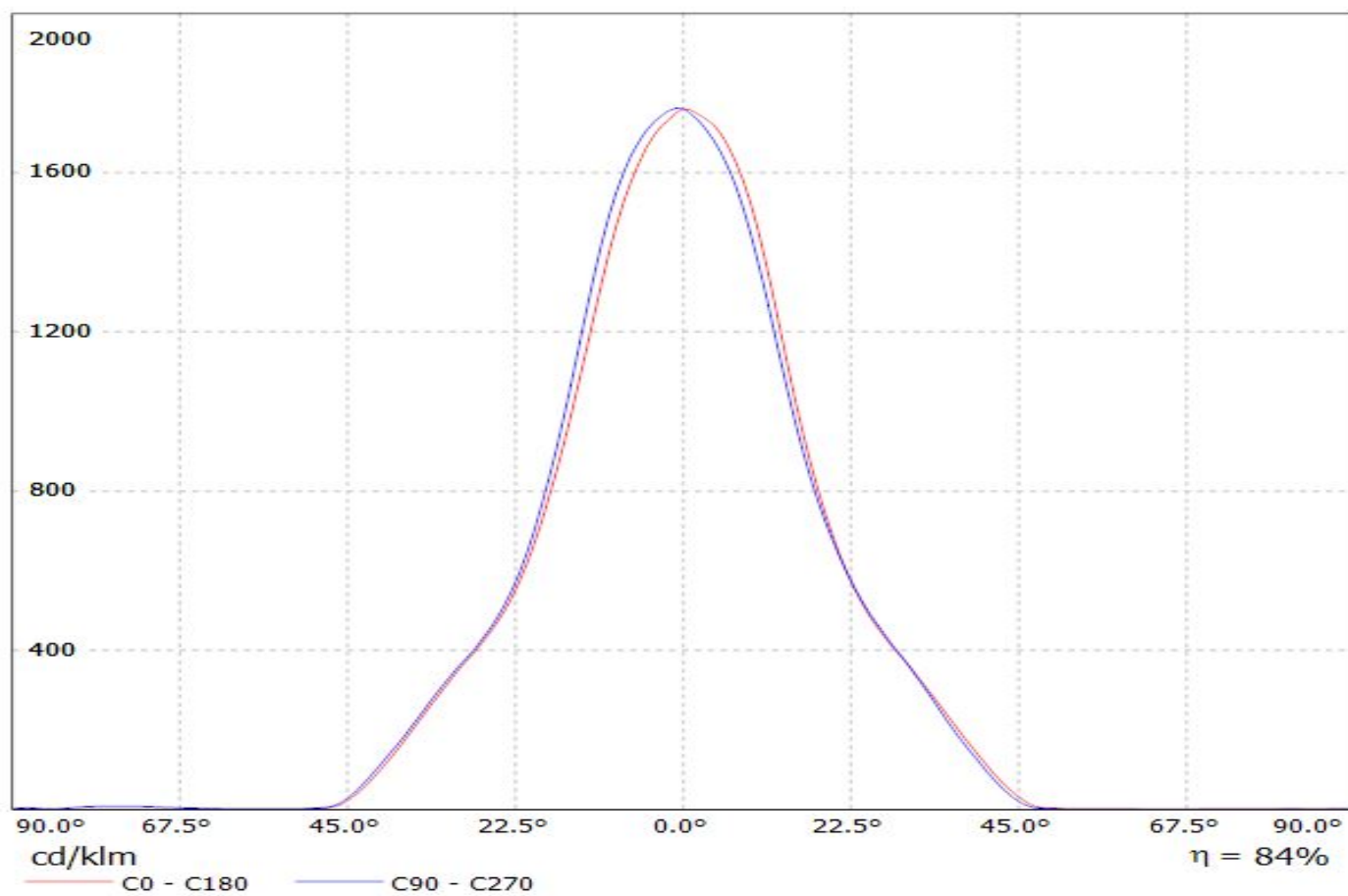
1

1

Luminaire: LEDiL Oy C13086_MIRELLA-50-M-PF Eff 88.1%
Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



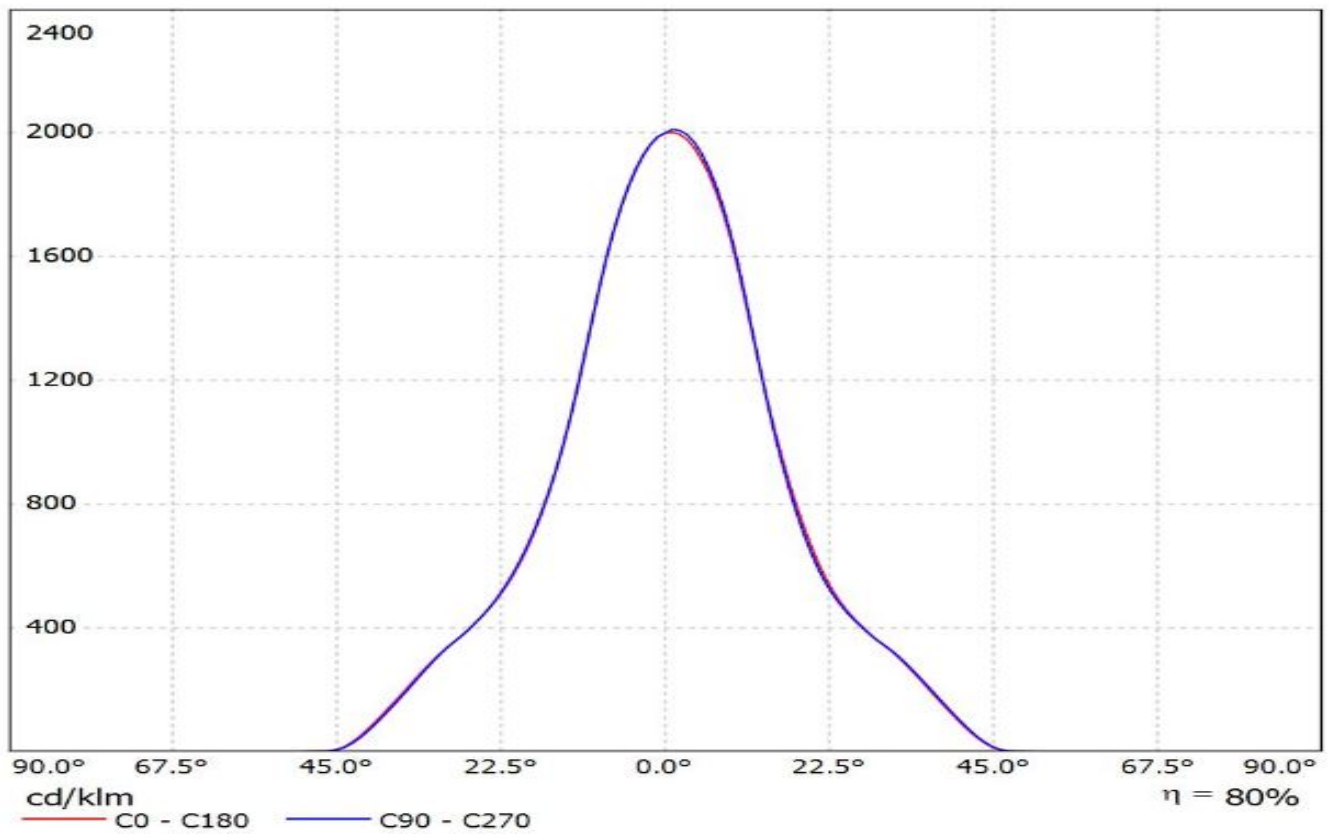
Luminaire: LEDiL Oy CN13920_MIRELLA-50-M-PF-VERO13_(XENIO_13MM)
Lamps: 1 x XENIO_13MM_2066.26lm@?mA_P=23W_I=?A



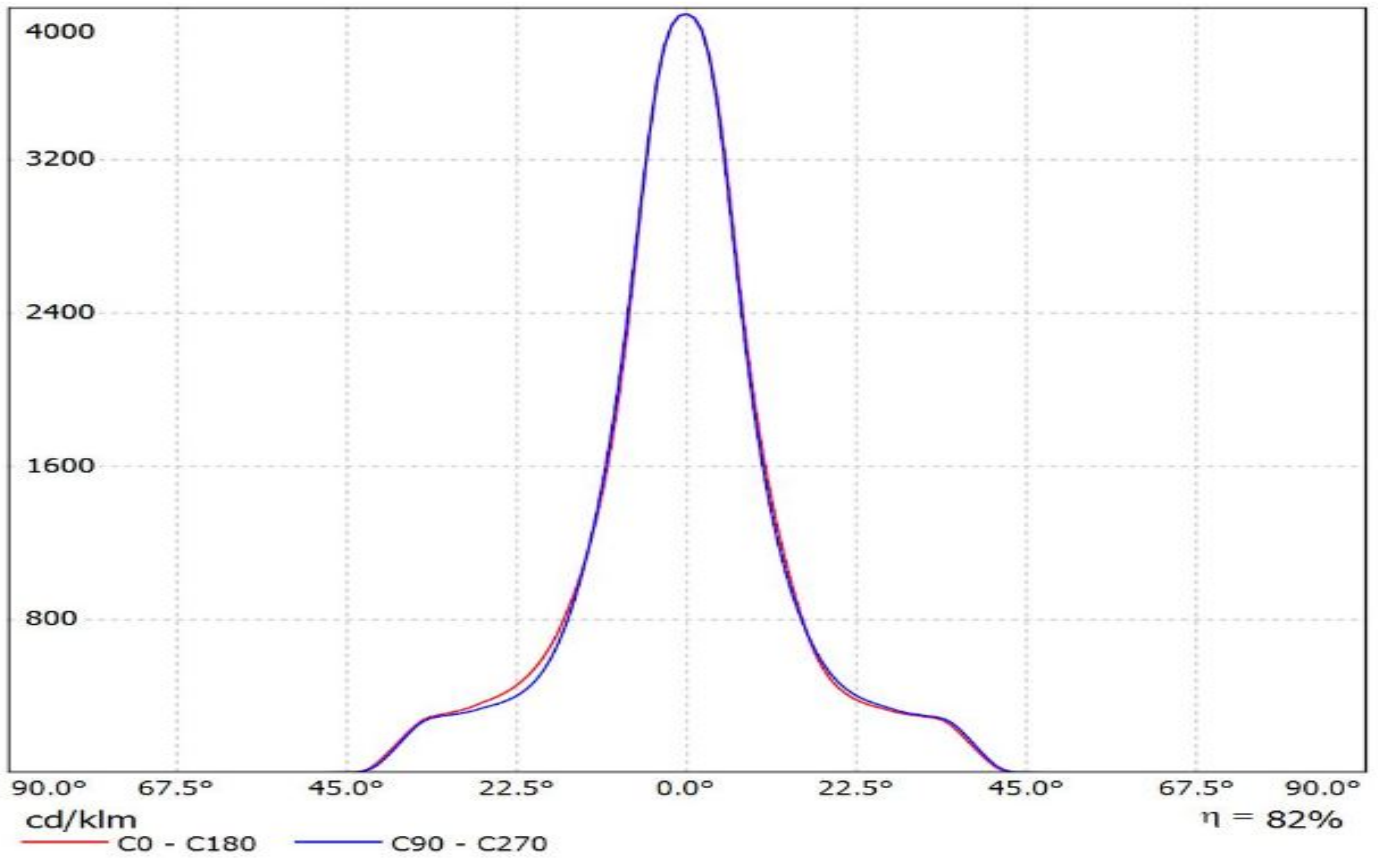
Ledil CN13920_MIRELLA-50-M-PF-VERO13_(CLU720) / LDC (Linear)

Luminaire: Ledil CN13920_MIRELLA-50-M-PF-VERO13_(CLU720)

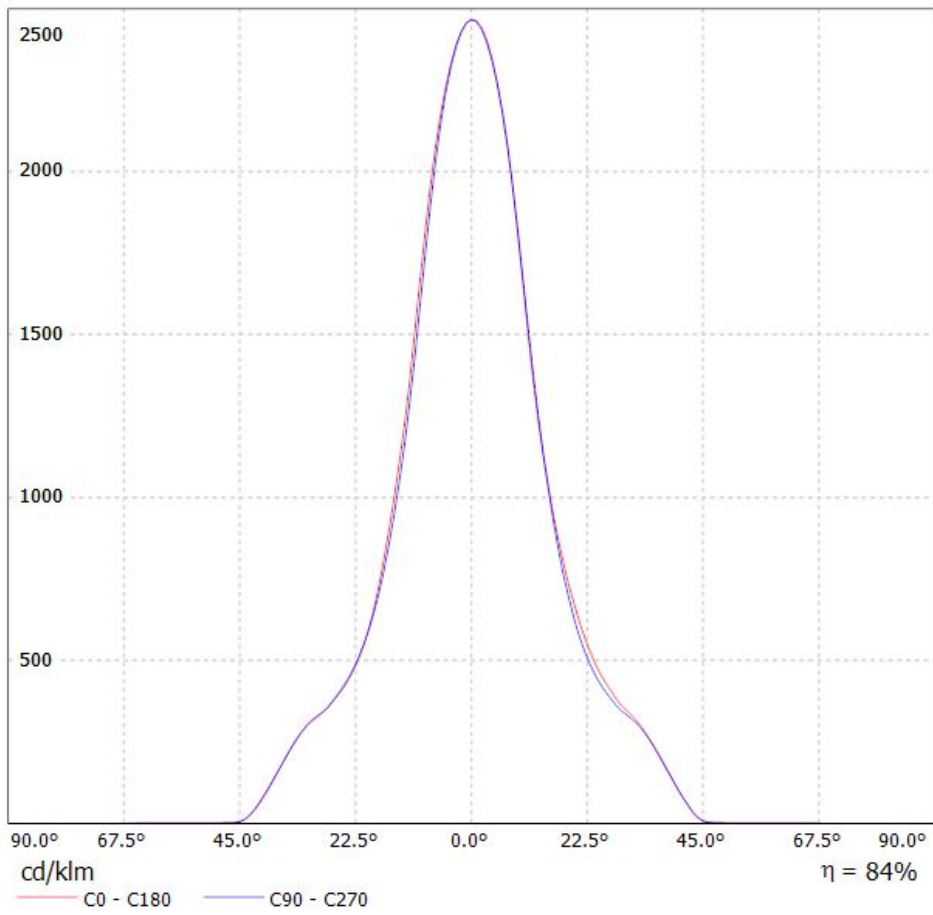
Lamps: 1 x Citizen_(CLU720)_(433_Typ_L1)_(C13709)_1238.4lm@250mA_P=8.3W_I=0.25A



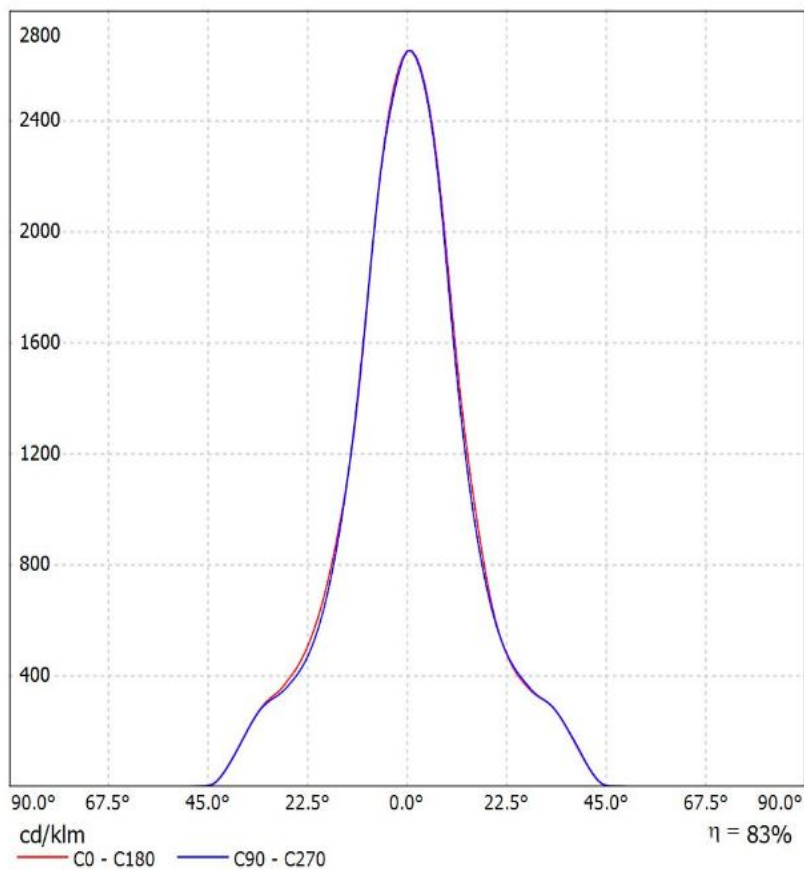
Luminaire: Ledil CN13920_MIRELLA-50-M-PF-VERO13_(CLU700) Citizen_CLU700_(CLU700-1002B8-273M2G1)_ (434_Typ_L1)_ (C13709_PF-SOCKET-VERO13-18)_389.152lm@100mA_P=2.8W_I=0.10A
Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_ (434_Typ_L1)_ (C13709_PF-SOCKET-VERO13-18)_389.152lm@100mA_P=2.8W_I=0.10A



Luminaire: LEDiL Oy CN13920_MIRELLA-50-M-PF-VERO13_(CLU024) Citizen_CLU024_(434_Typ_L1)_(C13709)_1022.97lm@250mA_P=8.5066W_I=0.2499A
Lamps: 1 x Citizen_CLU024_(434_Typ_L1)_(C13709)_1022.97lm@250mA_P=8.5066W_I=0.2499A

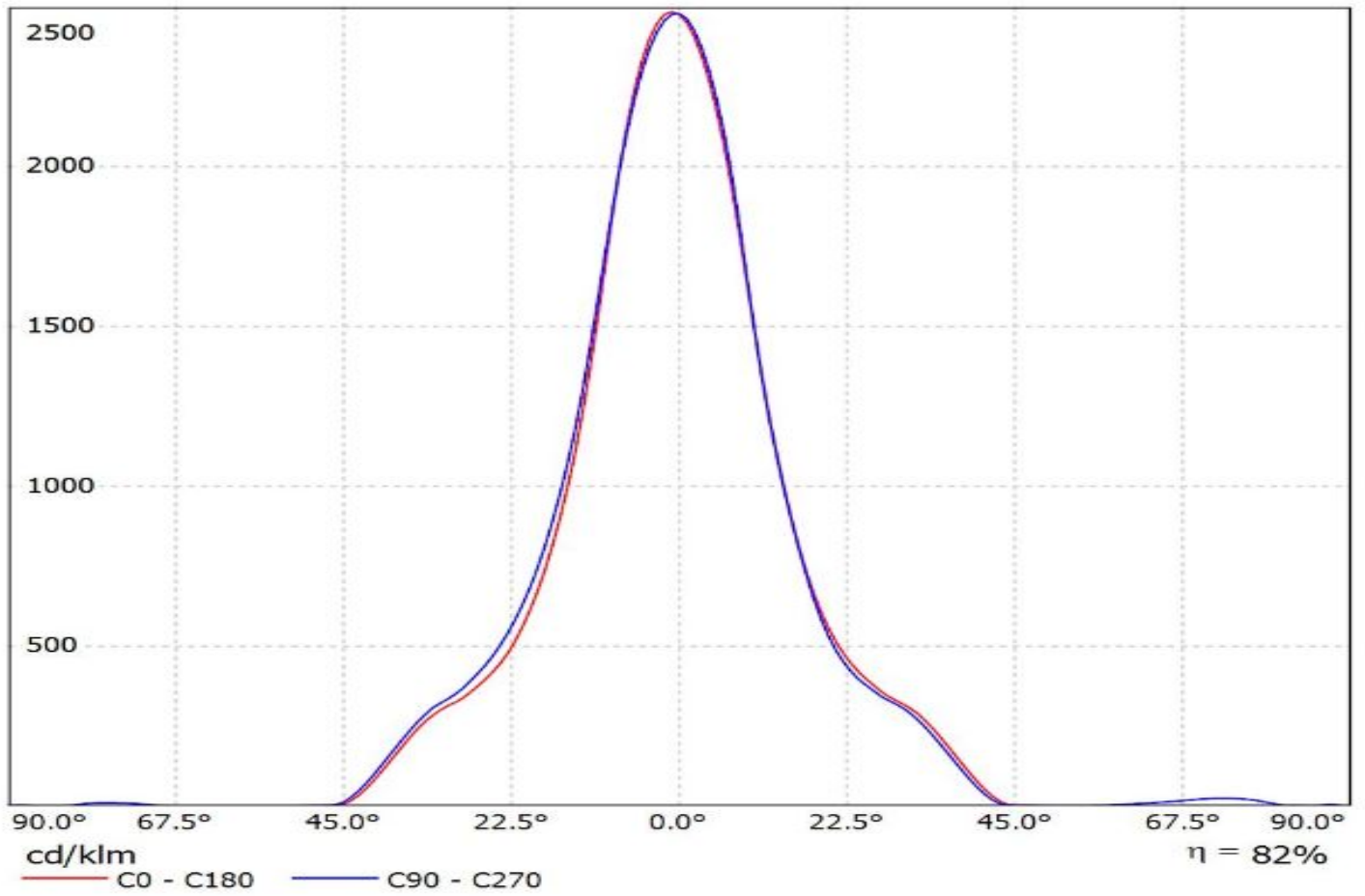


Luminaire: Ledil CN13920_MIRELLA-50-M-PF-VERO13_(CXA1520)_(441_Typ_L1) CREE_CXA1520_(CXA1520-30F-N4-N0H-00001)_(441_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_1033.5lm@250mA_P=8.8W_I=0.25A
Lamps: 1 x CREE_CXA1520_(CXA1520-30F-N4-N0H-00001)_(441_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_1033.5lm@250mA_P=8.8W_I=0.25A

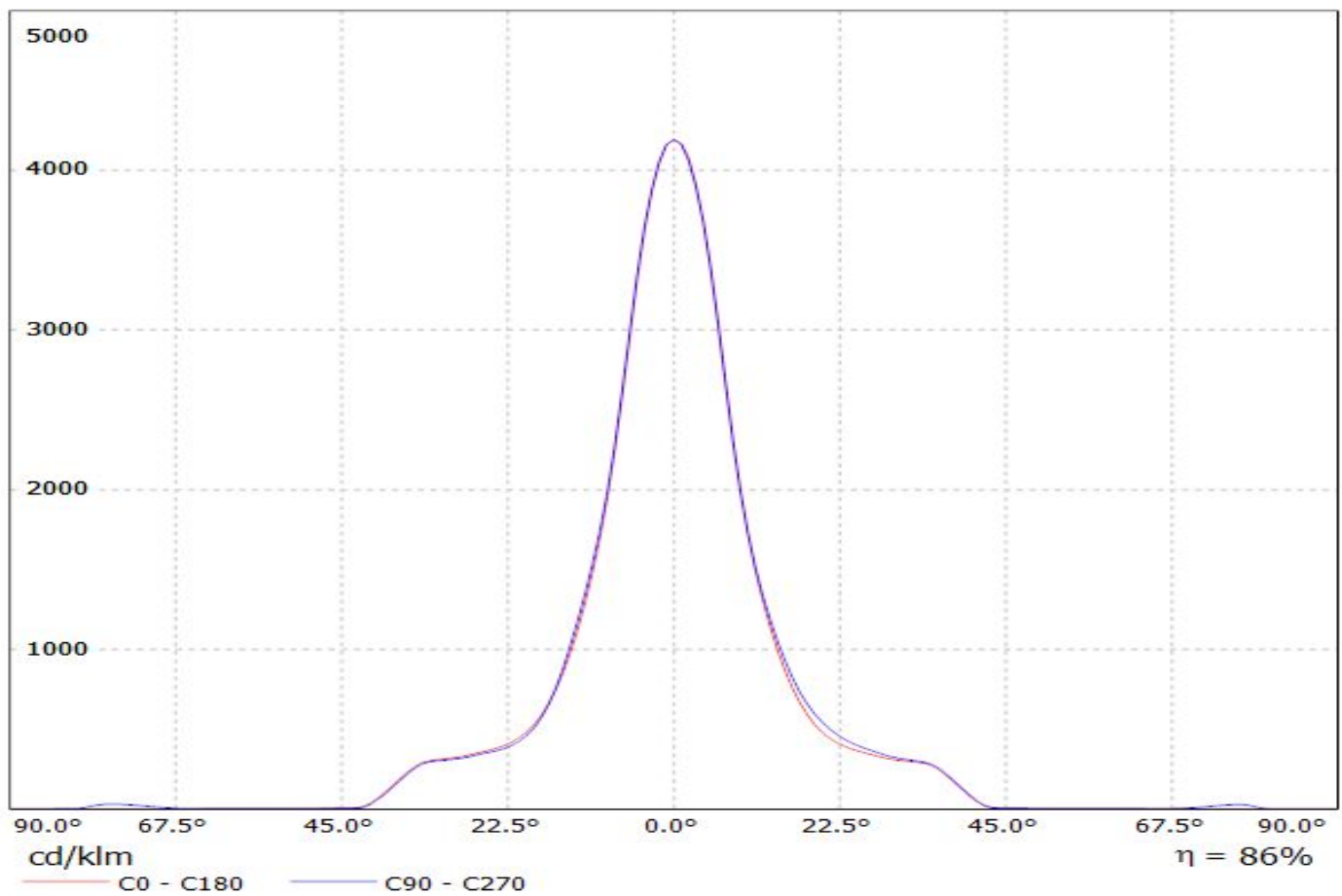


Luminaire: Ledil CN13920_MIRELLA-50-M-PF-VERO13_(CoB_1203)

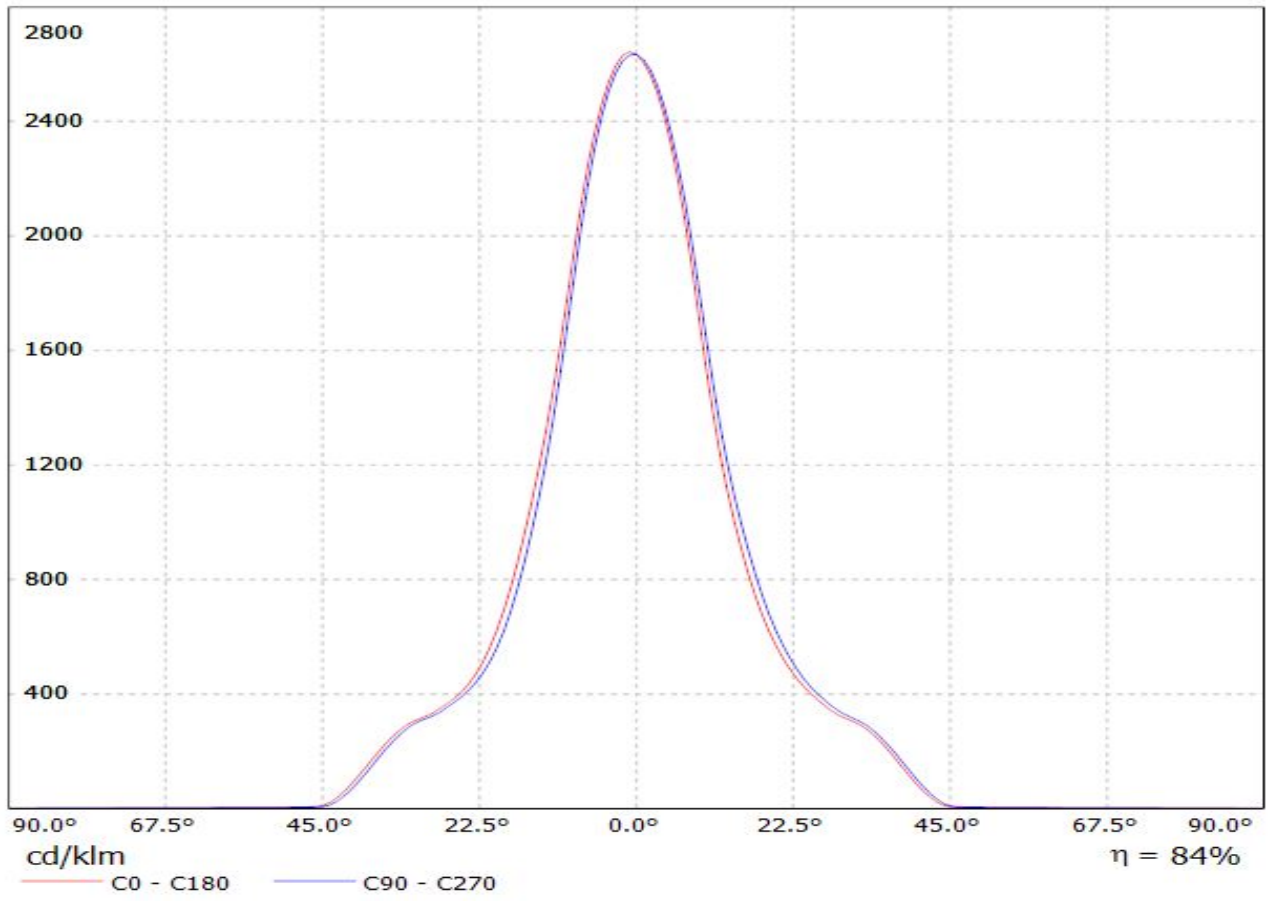
Lamps: 1 x Luxeon_CoB_1203_(438 Typ L1)_1054.48lm@250mA_P=0.7_I=0.25A



Luminaire: LEDiL Oy CN13920_MIRELLA-50-M-PF-VERO13_(Luxeon_CoB_1202s)
Lamps: 1 x Luxeon_CoB_1202s_(452 Typ L1)_231.765lm@100mA_P=1.62683W_I=0.10A

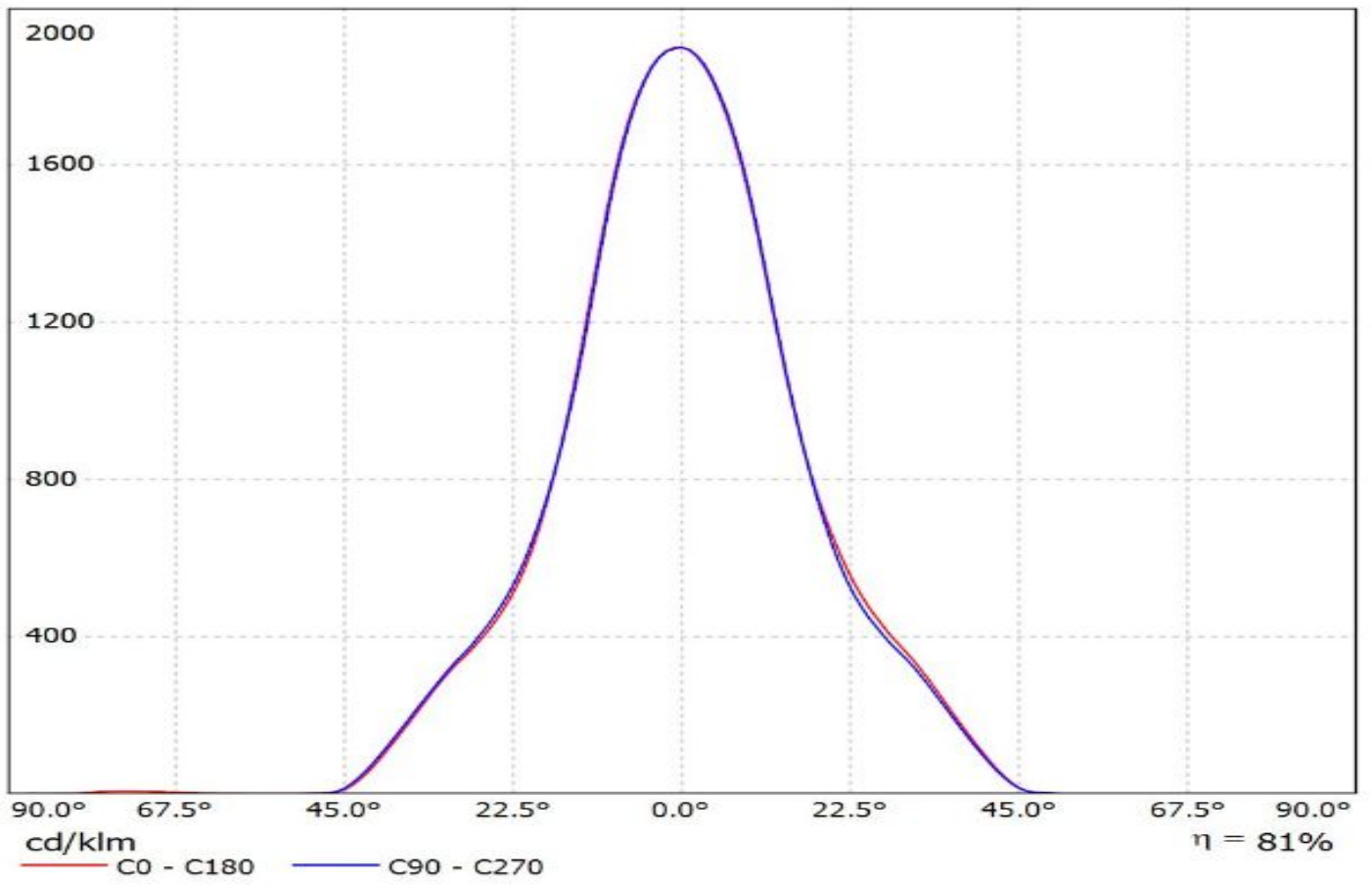


Luminaire: LEDiL Oy CN13920_MIRELLA-50-M-PF-VERO13_(NFCLL036B)
Lamps: 1 x Nichia NFCLL036B (sm403J1300R8000)_542.913lm@100mA_CCT=4000K_P=3.34084W_I=0.100A

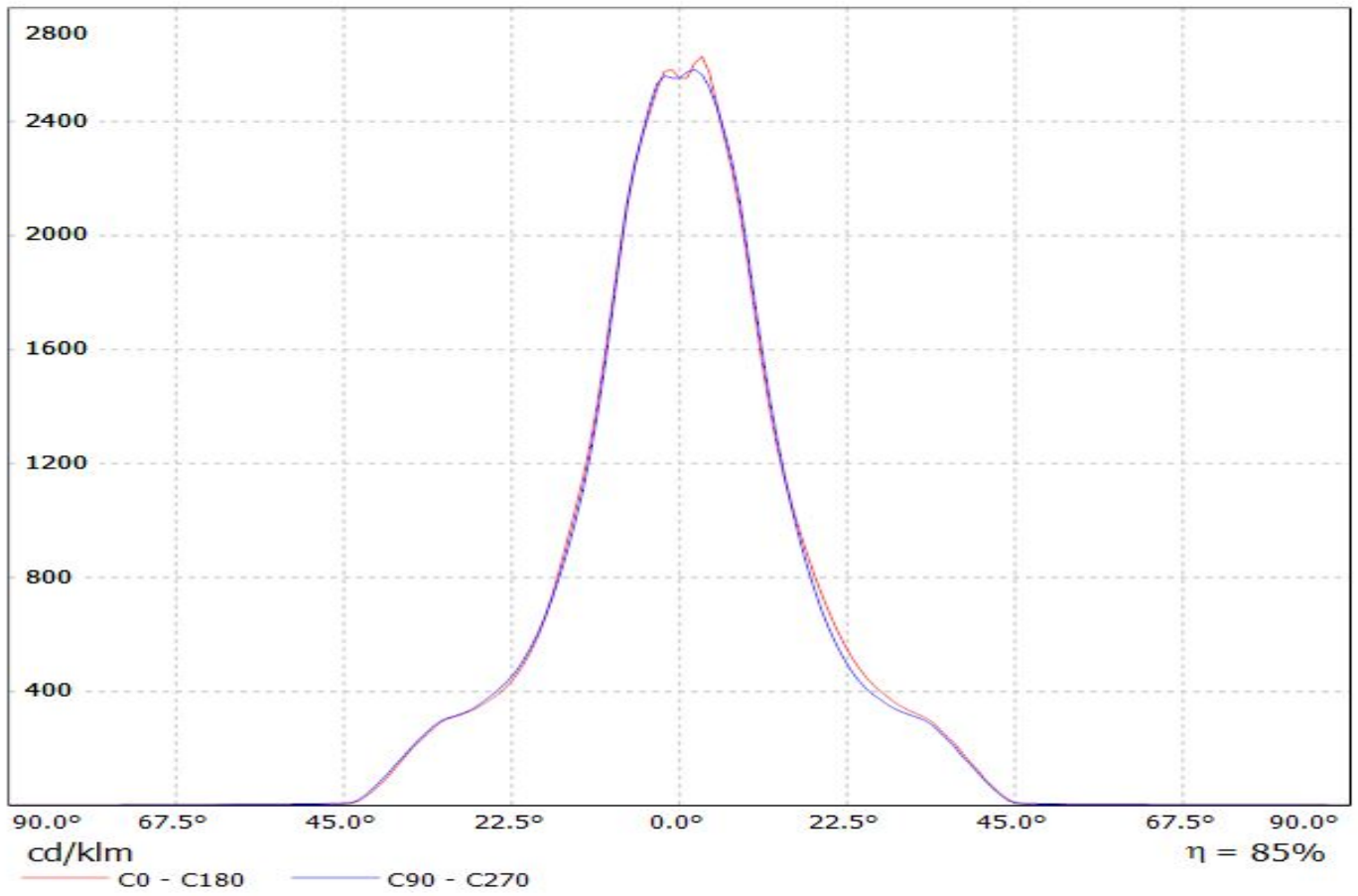


Luminaire: Ledil CN13920_MIRELLA-50-M-PF-VERO13_(NFCLL060B)

Lamps: 1 x Nichia_NFCLL060B_(438 Typ L1)_1355.59lm@250mA_P=8.5W_I=0.25A



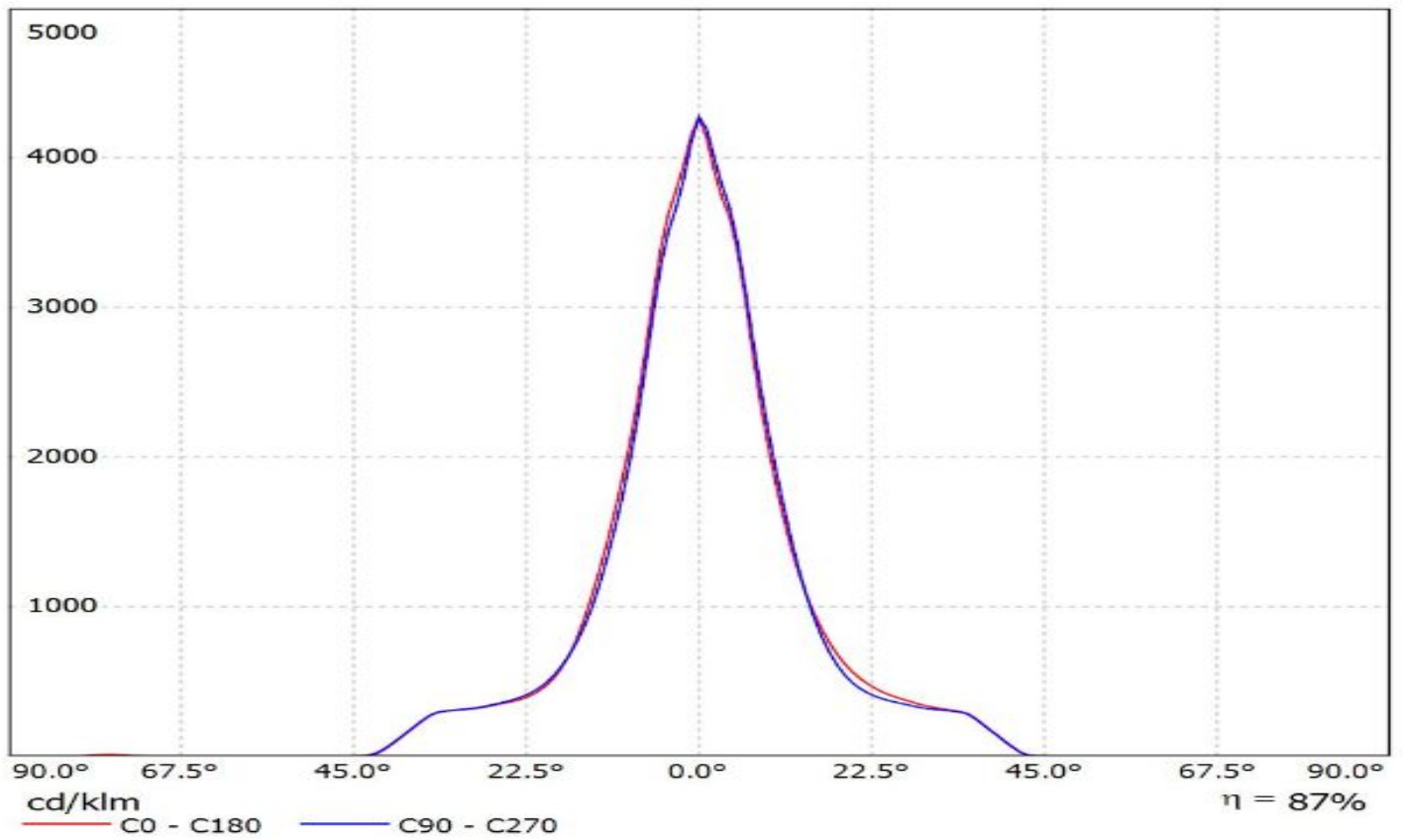
Luminaire: LEDiL Oy CN13920_MIRELLA-50-M-PF-VERO13_(Soleriq P9+461 Typ L1)
Lamps: 1 x Soleriq P9+461 Typ L1_881.86lm@250mA_P=6.96846W_I=250mA



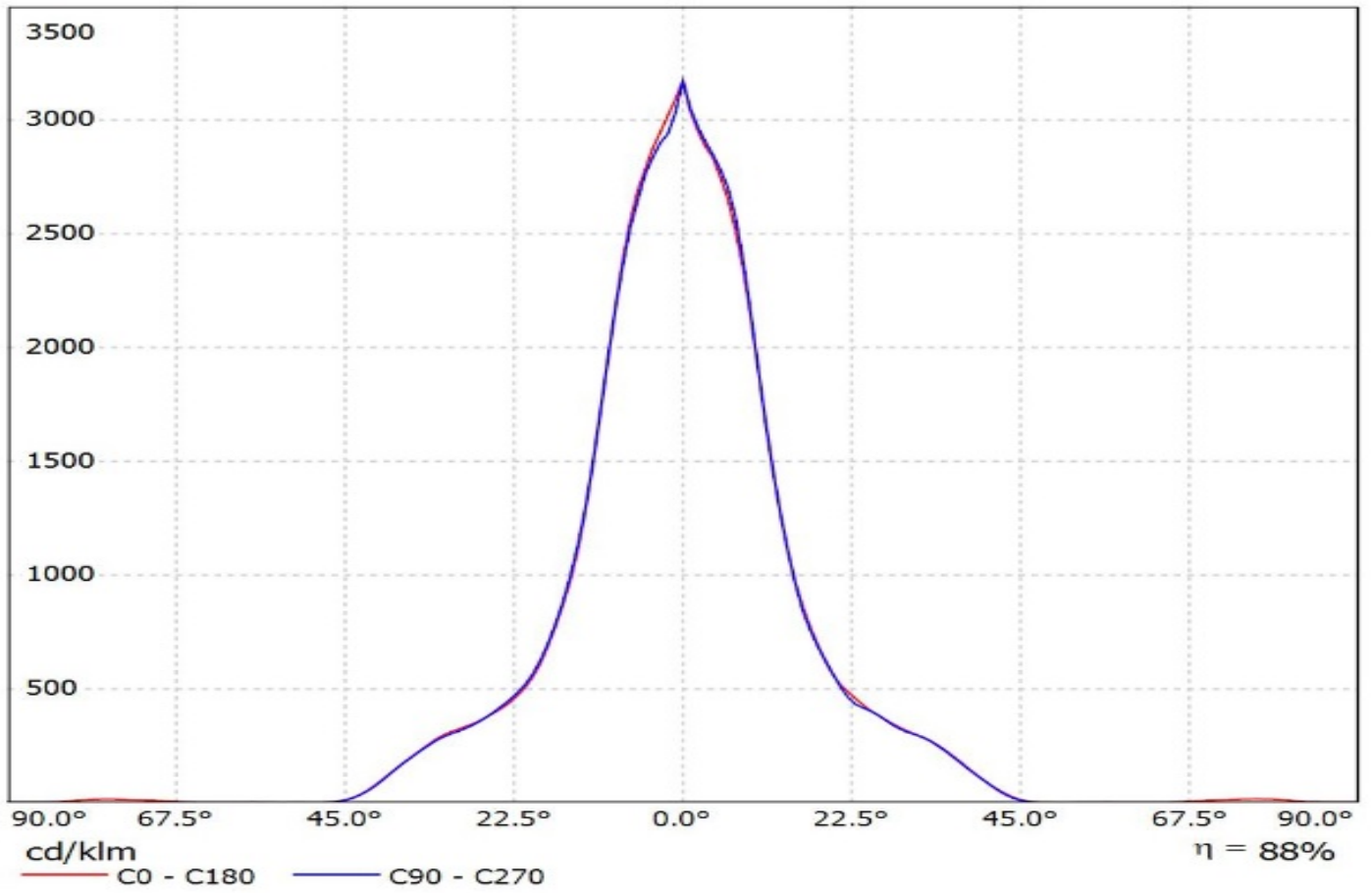
LEDiL Oy CN13920_MIRELLA-50-M-PF-VERO13_(Soleriq_P6) / LDC (Linear)

Luminaire: LEDiL Oy CN13920_MIRELLA-50-M-PF-VERO13_(Soleriq_P6)

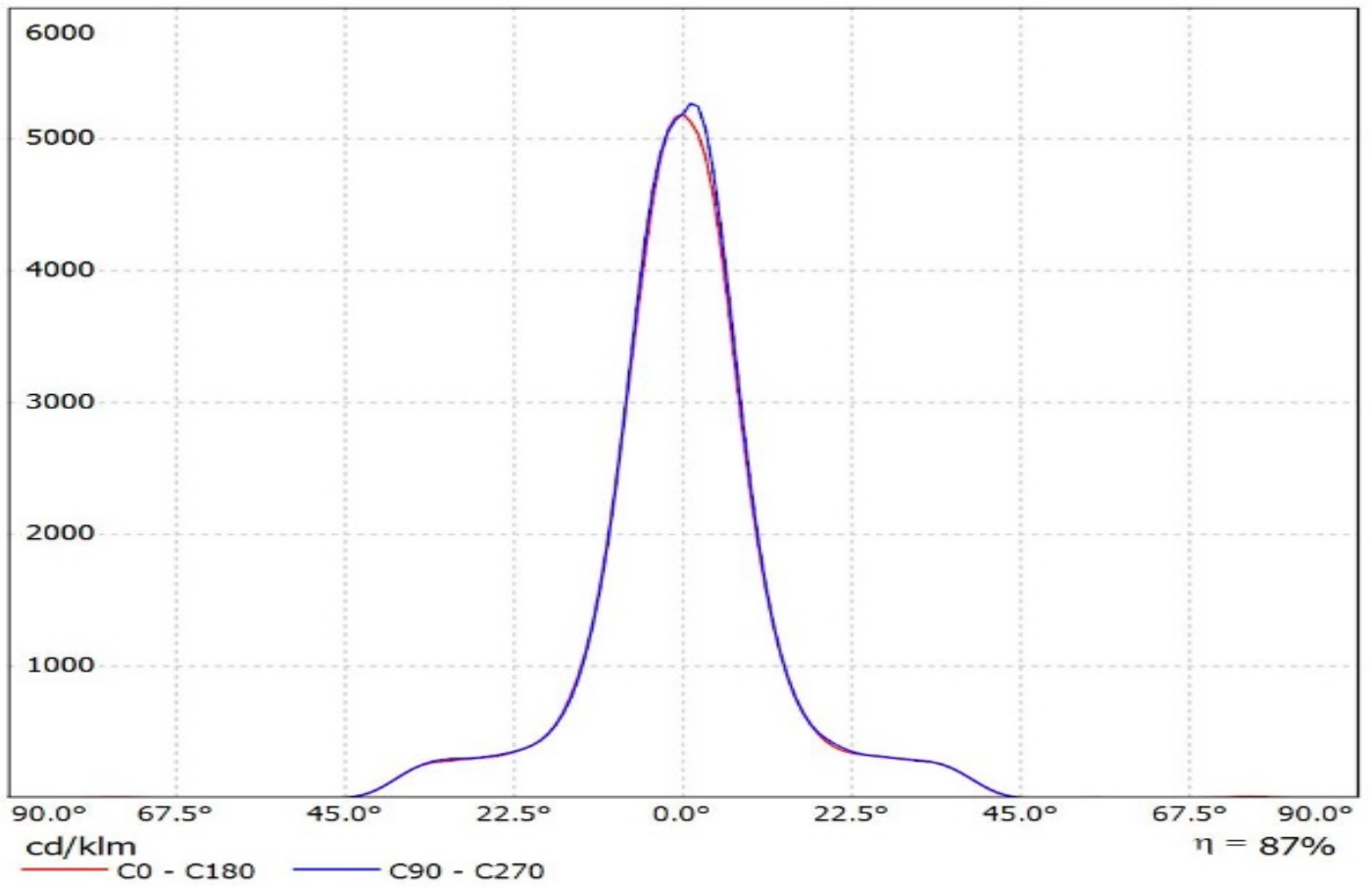
Lamps: 1 x Osram_Soleriq_P6_(446 Typ L1)_464.246lm@250mA_P=6.28598W_I=0.25A



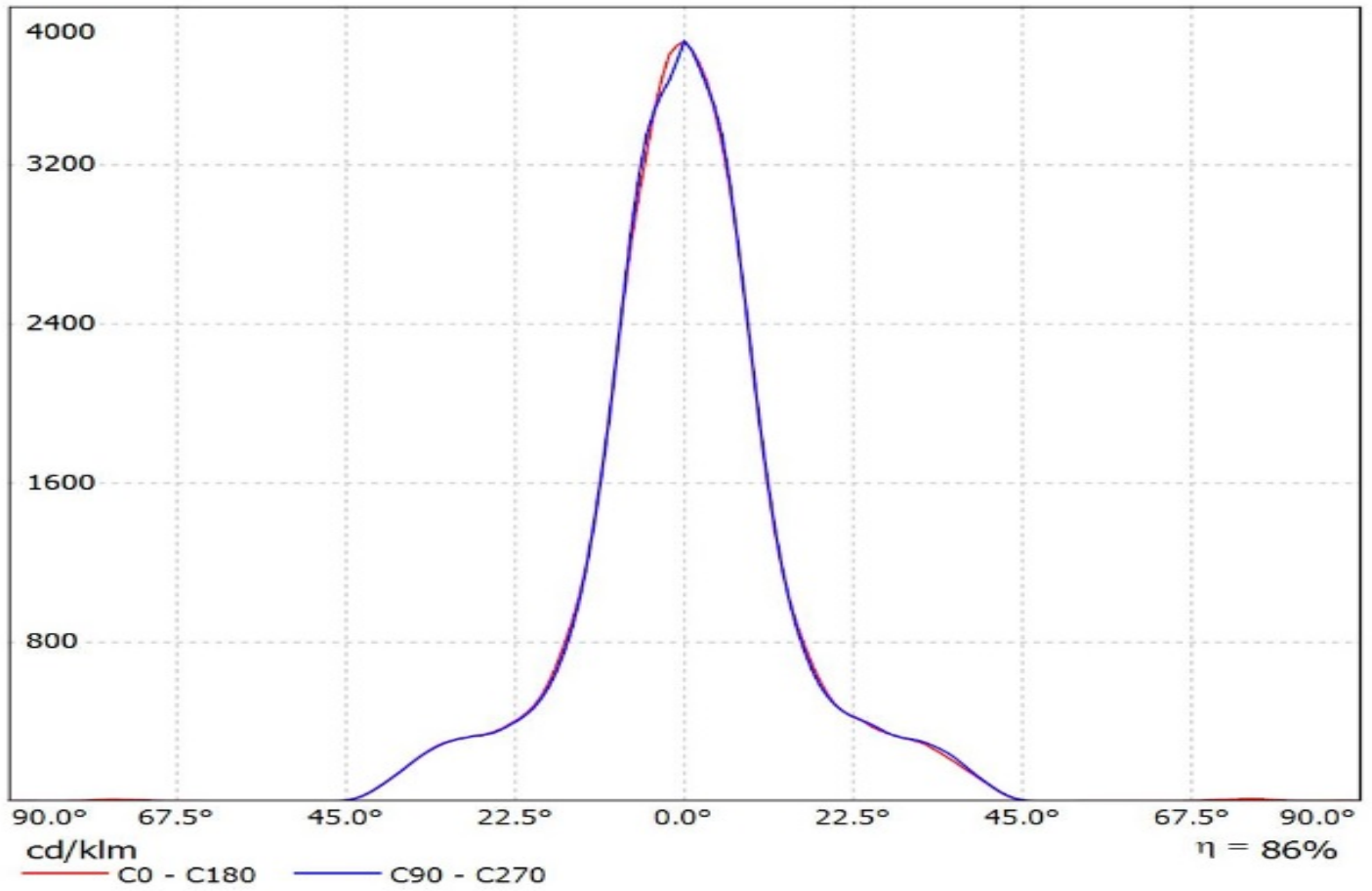
Luminaire: Ledil Oy CN13920_MIRELLA-50-M-PF-VERO13_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



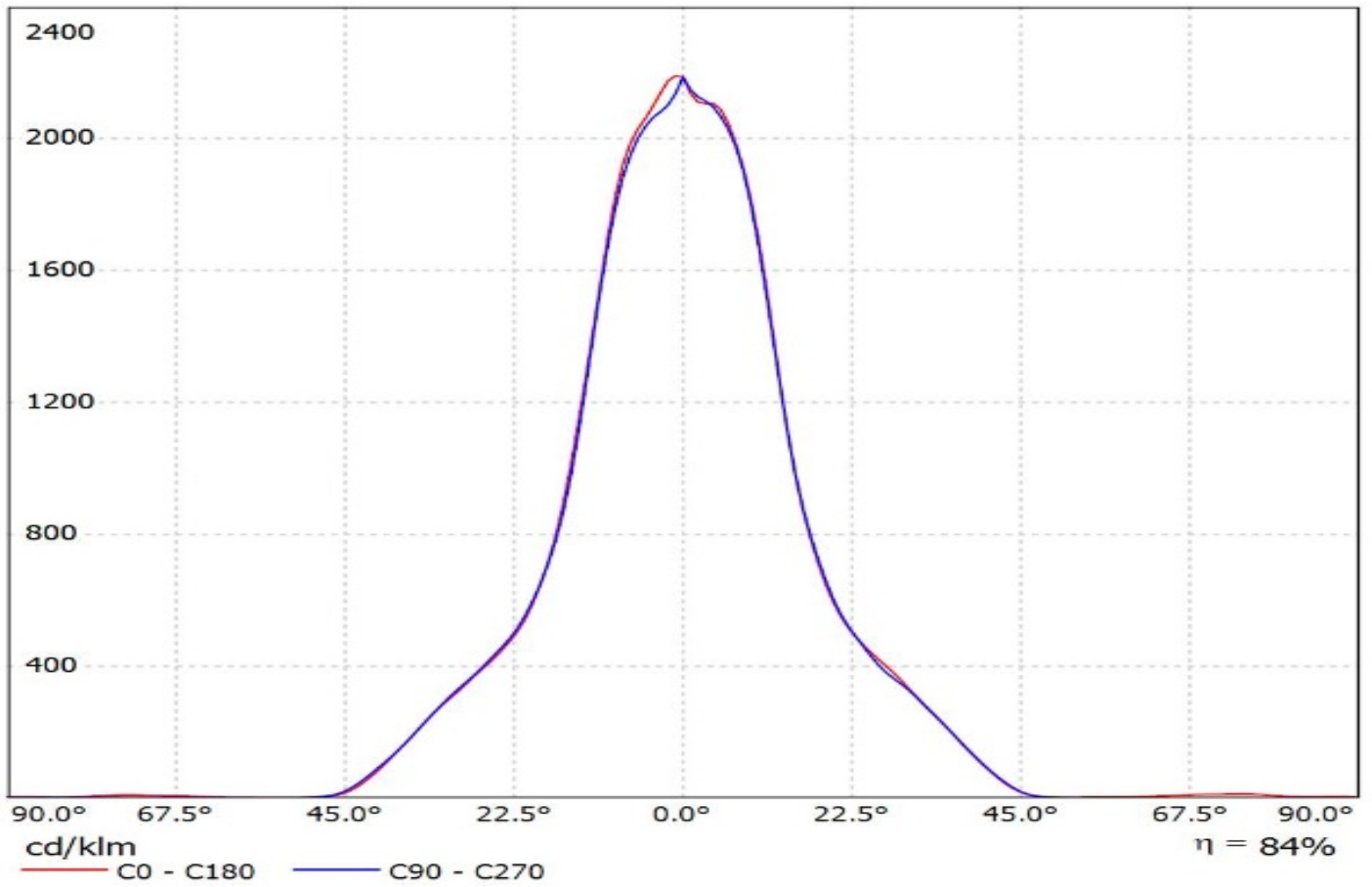
Luminaire: Ledil Oy CN13920_MIRELLA-50-M-PF-VERO13_(LC010C)_(479_type_L1)_SIMULATED
Lamps: 1 x Samsung LC010C + Bender & Wirth 479 Type L1



Luminaire: Ledil Oy CN13920_MIRELLA-50-M-PF-VERO13_(LC020C)_(479_type_L1)_SIMULATED
Lamps: 1 x Samsung LC020C + Bender & Wirth 479 Type L1

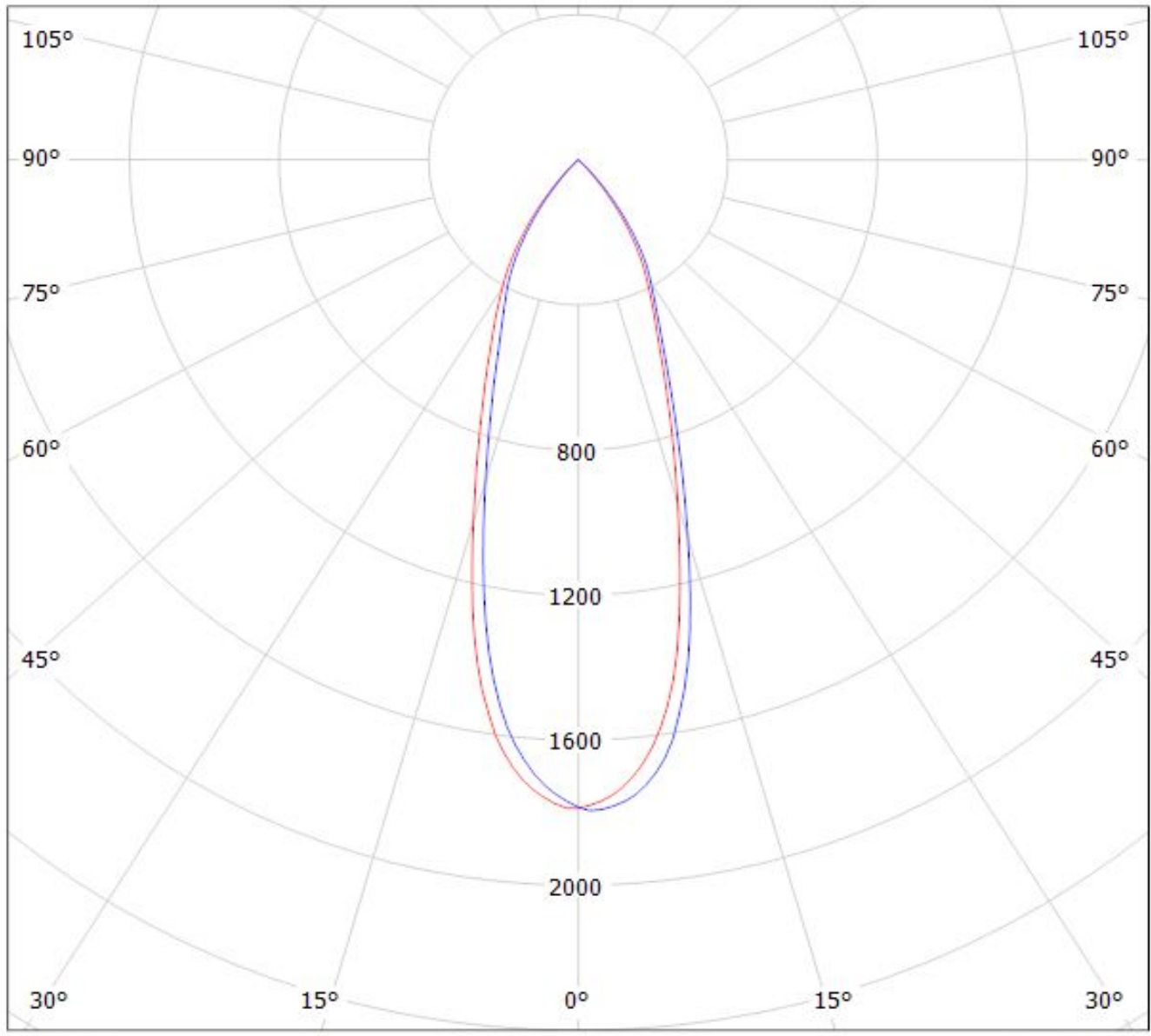


Luminaire: Ledil Oy CN13920_MIRELLA-50-M-PF-VERO13_(LC040C)_(480_type_L1)_SIMULATED
Lamps: 1 x Samsung LC040C + Bender & Wirth 480 Type L1



Luminaire: LEDiL Oy C13086_MIRELLA-50-M-PF Eff.88.1%

Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_989.57lm@250mA_P=7.48526W_I=249.8mA



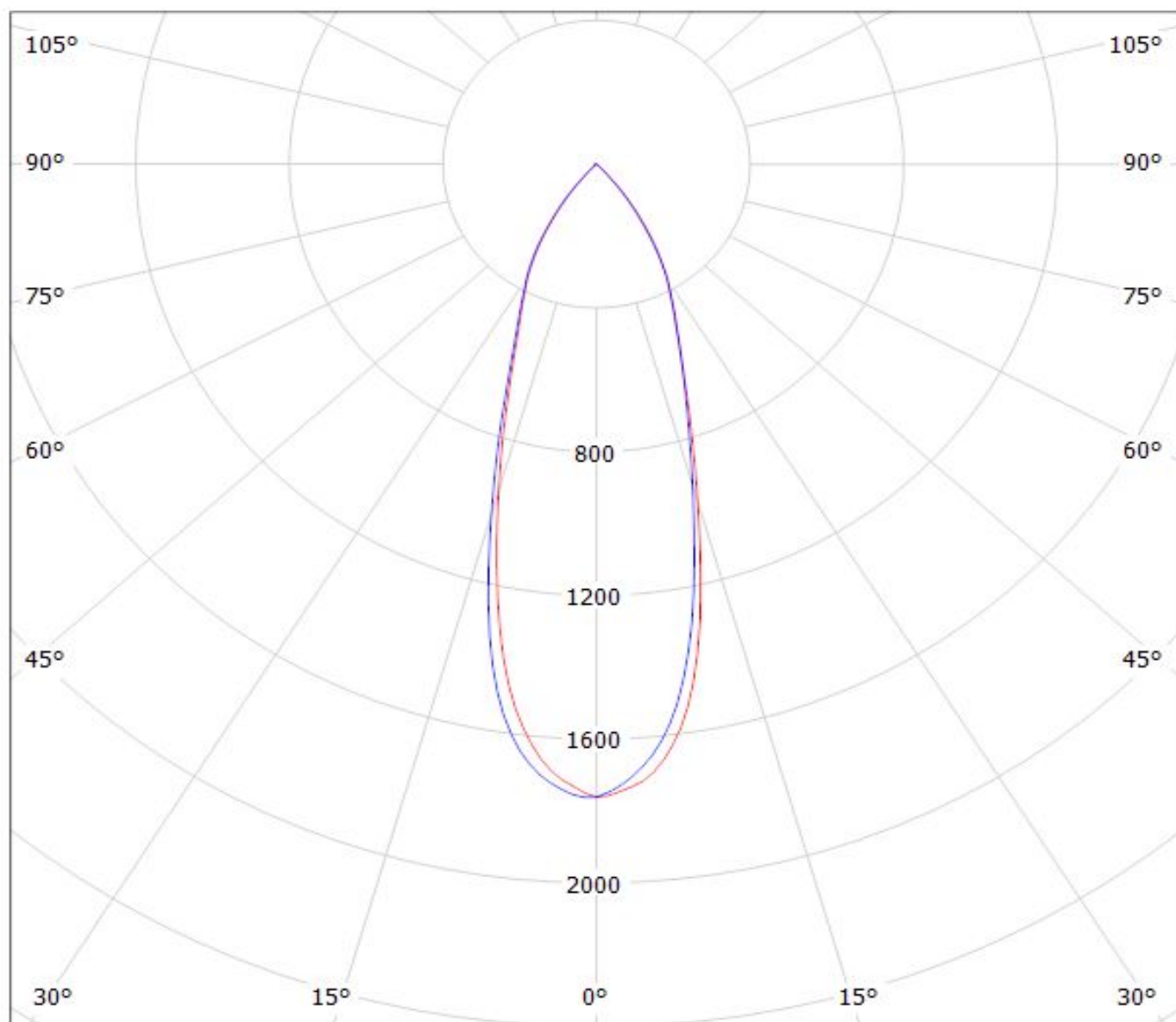
cd/klm

— C0 - C180

— C90 - C270

$\eta = 88\%$

Luminaire: LEDiL Oy CN13920_MIRELLA-50-M-PF-VERO13_(XENIO_13MM)
Lamps: 1 x XENIO_13MM_2066.26lm@?mA_P=23W_I=?A



cd/klm

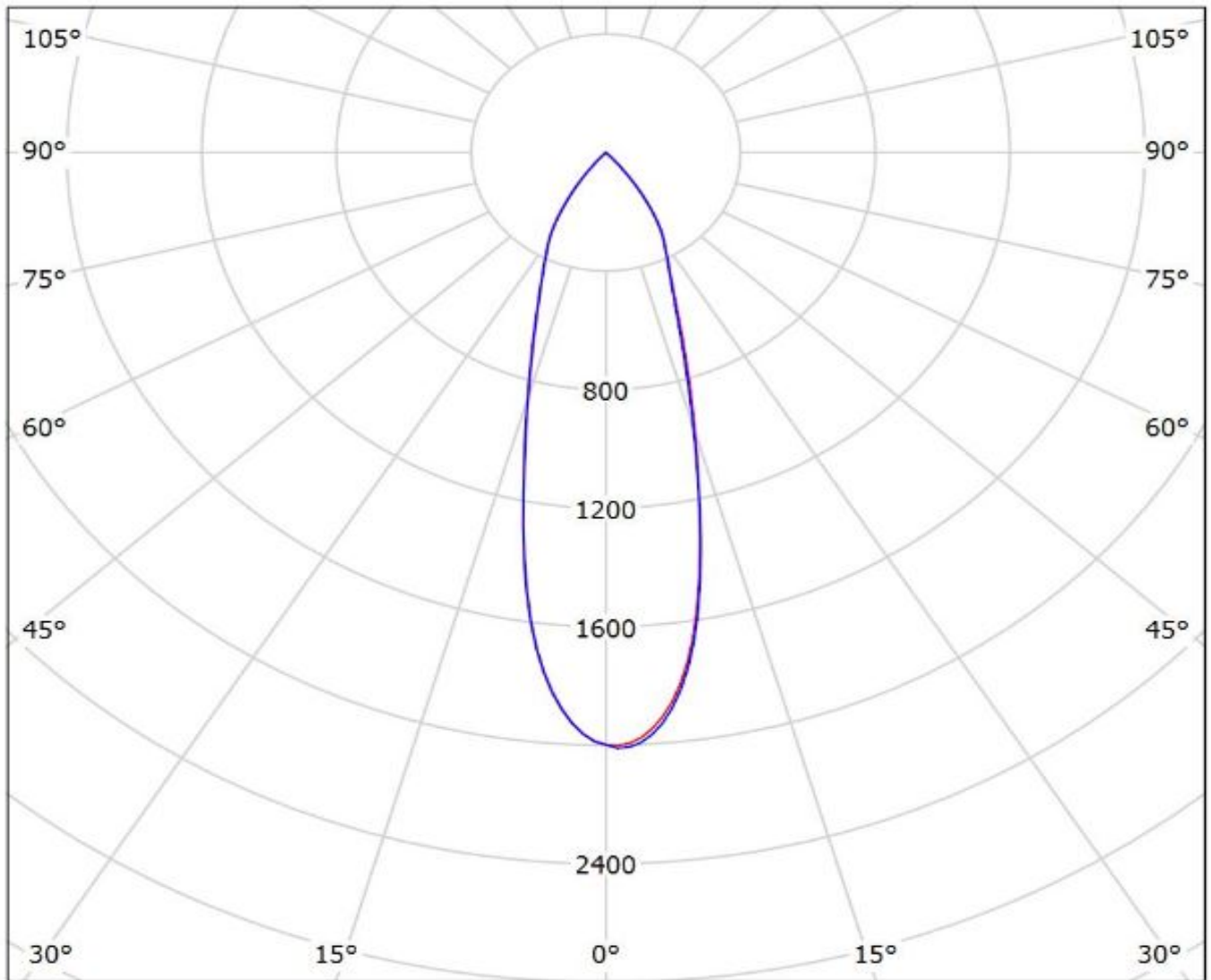
— C0 - C180 — C90 - C270

$\eta = 84\%$

Ledil CN13920_MIRELLA-50-M-PF-VERO13_(CLU720) / LDC (Polar)

Luminaire: Ledil CN13920_MIRELLA-50-M-PF-VERO13_(CLU720)

Lamps: 1 x Citizen_(CLU720)_ (433_Typ_L1)_ (C13709)_ 1238.4lm@250mA_P=8.3W_I=0.25A

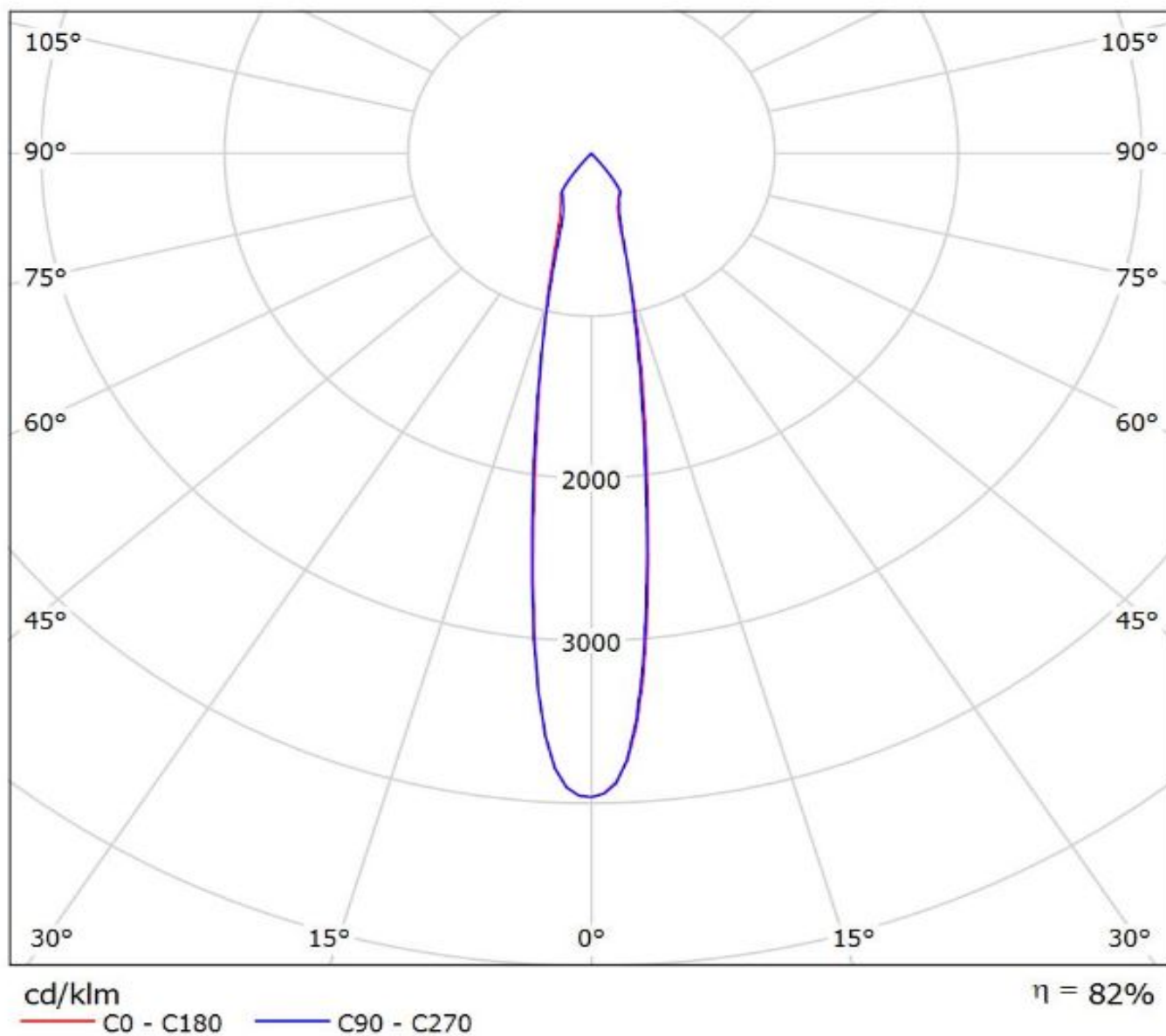


cd/klm

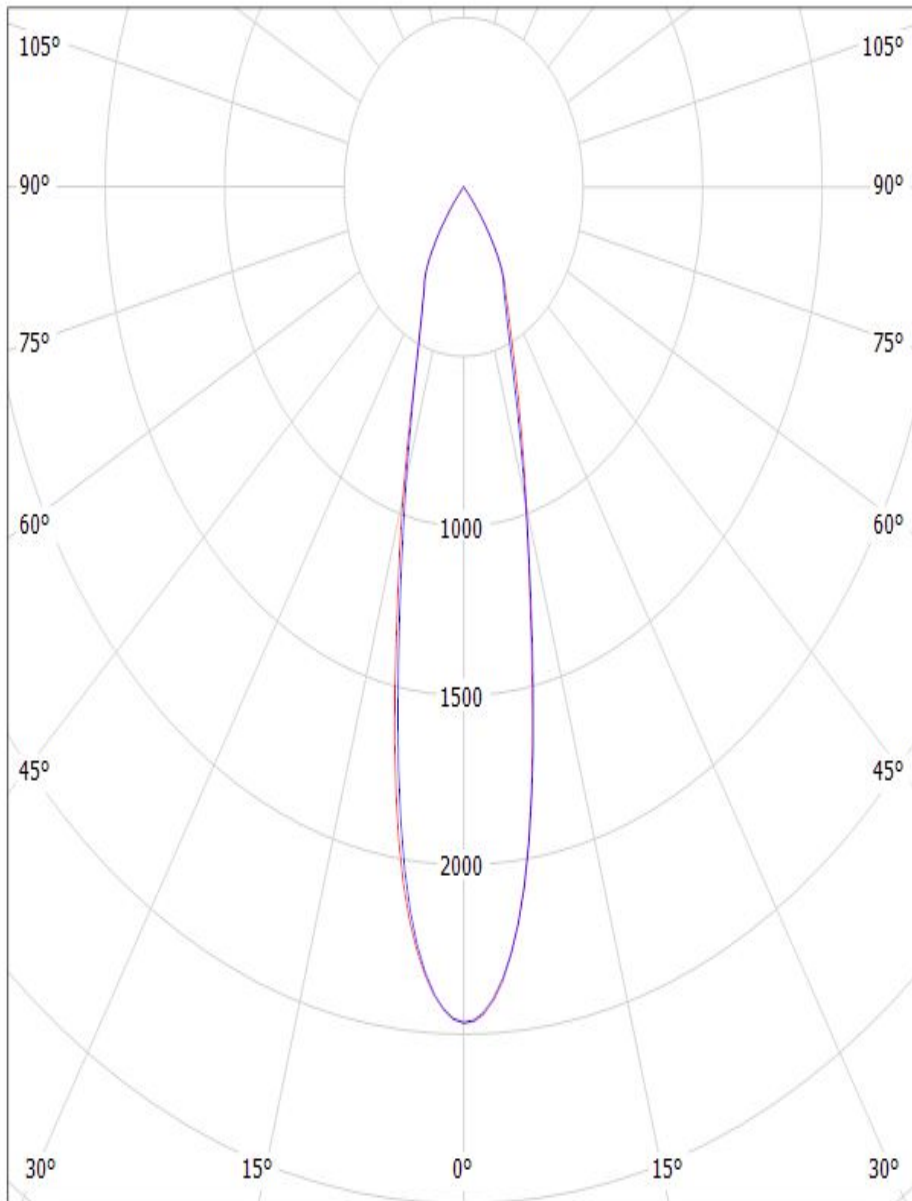
— C0 - C180 — C90 - C270

$\eta = 80\%$

Luminaire: Ledil CN13920_MIRELLA-50-M-PF-VERO13_(CLU700) Citizen_CLU700_(CLU700-1002B8-273M2G1)_ (434_Typ_L1)_ (C13709_PF-SOCKET-VERO13-18)_ 389.152lm@100mA_P=2.8W_I=0.10A
Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_ (434_Typ_L1)_ (C13709_PF-SOCKET-VERO13-18)_ 389.152lm@100mA_P=2.8W_I=0.10A



Luminaire: LEDiL Oy CN13920_MIRELLA-50-M-PF-VERO13_(CLU024) Citizen_CLU024_(434_Typ_L1)_(C13709)_1022.97lm@250mA_P=8.5066W_I=0.2499A
Lamps: 1 x Citizen_CLU024_(434_Typ_L1)_(C13709)_1022.97lm@250mA_P=8.5066W_I=0.2499A



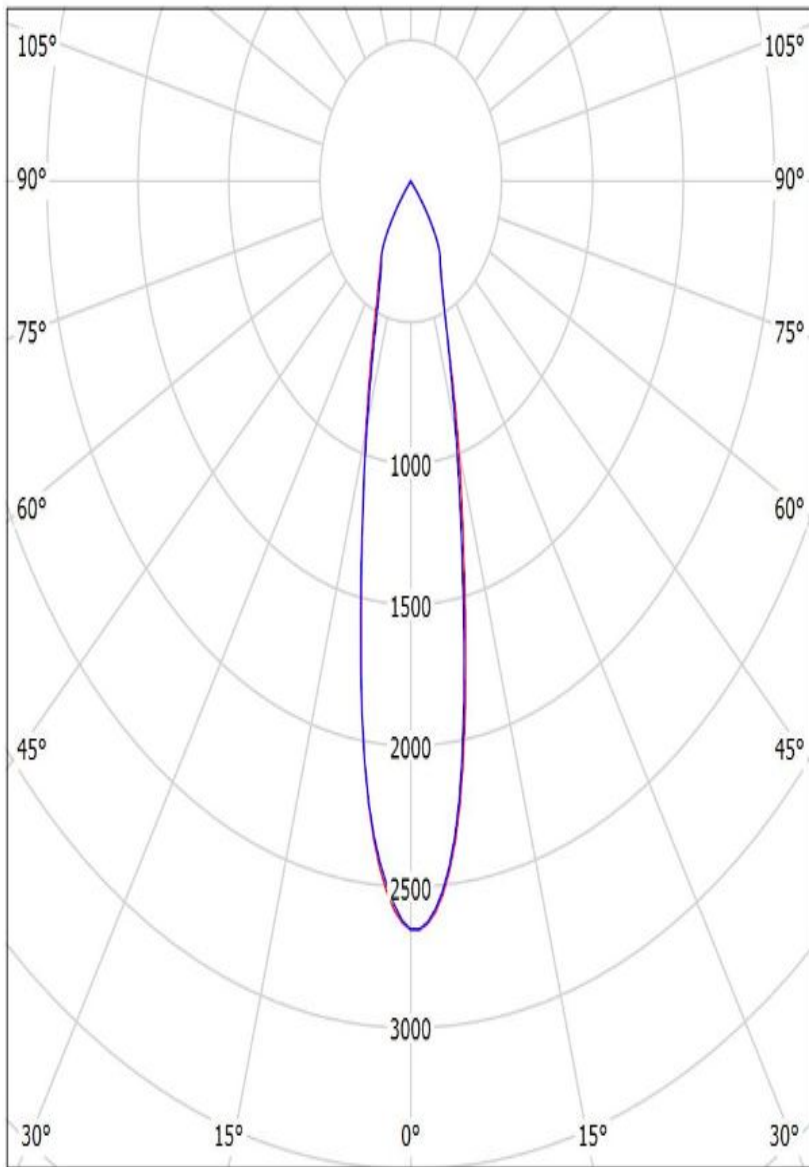
cd/klm

$\eta = 84\%$

— C0 - C180 — C90 - C270

Luminaire: Ledil CN13920_MIRELLA-50-M-PF-VERO13_(CXA1520)_(441_Typ_L1)_CREE_CXA1520_(CXA1520-30F-N4-N0H-00001)_(441_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_1033.5lm@250mA_P=8.8W_I=0.25A

Lamps: 1 x CREE_CXA1520_(CXA1520-30F-N4-N0H-00001)_(441_Typ_L1)_(C13709_PF-SOCKET-VERO13-18)_1033.5lm@250mA_P=8.8W_I=0.25A



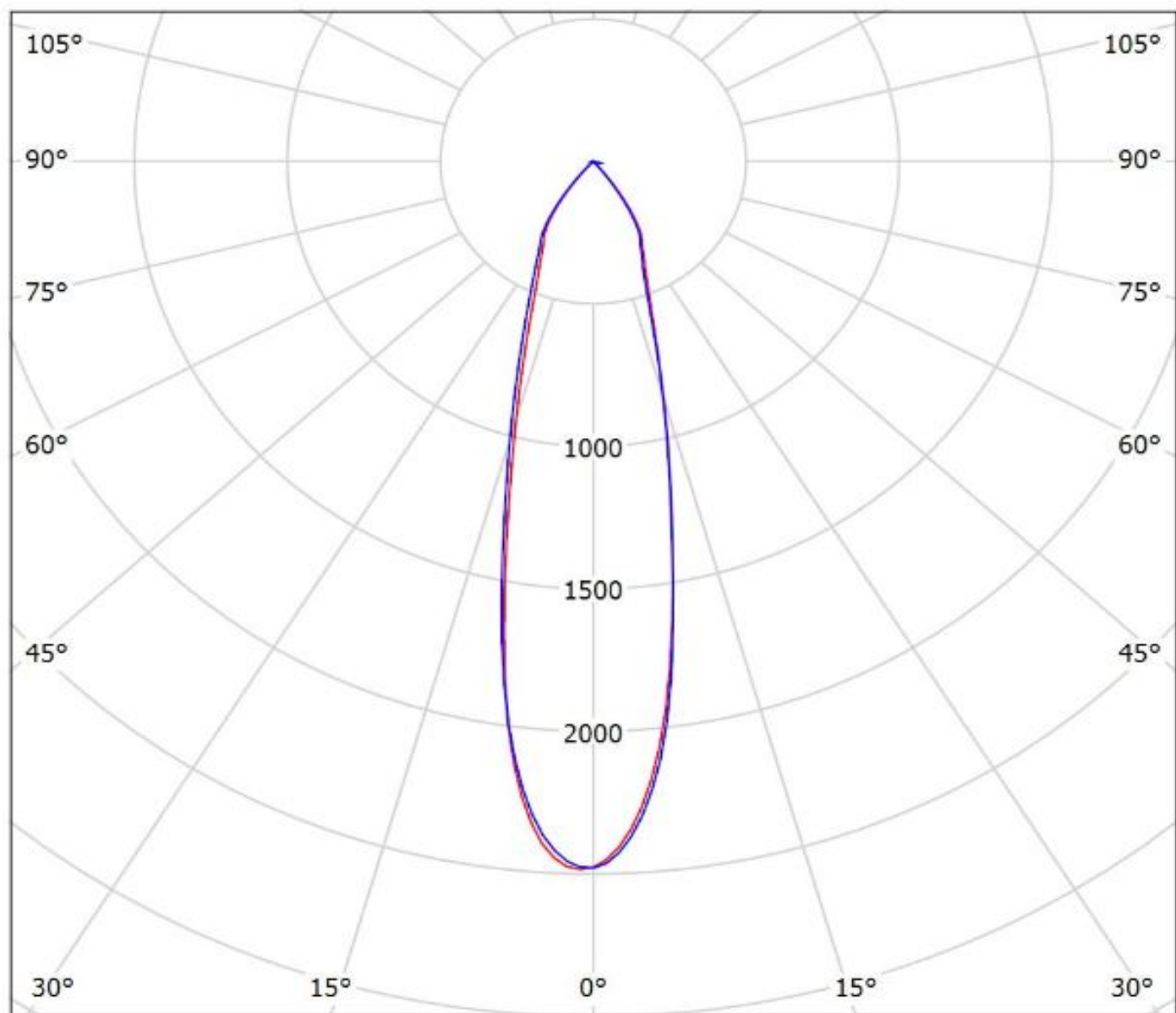
cd/klm

— C0 - C180 — C90 - C270

$\eta = 83\%$

Luminaire: Ledil CN13920_MIRELLA-50-M-PF-VERO13_(CoB_1203)

Lamps: 1 x Luxeon_CoB_1203_(438 Typ L1)_1054.48lm@250mA_P=0.7_I=0.25A



cd/klm

— C0 - C180

— C90 - C270

$\eta = 82\%$