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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

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## DETAILS

<b>Product Number</b>	FCN13927_BARBARA-W-PF-VERO13/18
<b>Family</b>	Barbara
<b>Type</b>	RefPack
<b>Color</b>	metal
<b>Diameter</b>	70 mm
<b>Height</b>	41,7 mm
<b>Style</b>	round
<b>Optic Material</b>	
<b>Holder Material</b>	
<b>Fastening</b>	
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	6/03/2017



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
VERO13	36 deg	Wide	93 %	2.000	-
VERO18	45 deg	Wide	92 %	1.500	-
Xenio Point 13mm	36 deg	Wide	91 %	1.960	LEDiL: LEDiL
Xenio Point 18mm	46 deg	Wide	89 %	1.430	LEDiL: LEDiL
V10 Gen7	sim: 31	Wide	sim: 90 %	sim: 2.450	Bender Wirth: 434 Typ L1
CLL03x/CLU03x	41 deg	Wide	87 %	1.600	Bender Wirth: 433 Typ L1
CLU700/701	22 deg	Wide	89 %	3.300	Bender Wirth: 434 Typ L1
CLL02x/CLU02x (LES10)	32 deg	Wide	88 %	2.300	Bender Wirth: 434 Typ L1
CXA/B 1816 & CXA/B 1820 & CXA 1850	36 deg	Wide	88 %	2.000	Bender Wirth: 437 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
CXM-14	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
COB L-Type (LES 9)	30 deg	Wide	91 %	2.500	Bender Wirth: 438 Typ L1
COB J-Type	40 deg	Wide	88 %	1.700	Bender Wirth: 463 Typ L2
COB L-Type (LES 11)	35 deg	Wide	88 %	2.000	Bender Wirth: 438 Typ L1
Soleriq S13	37 deg	Wide	89 %	1.900	Bender Wirth: 437 Typ L1
Soleriq S15	sim: 39	Wide	sim: 90 %	sim: 1.810	Bender Wirth: 433 Typ L1
LC026B/LC040B	45 deg	Wide	87 %	1.400	Bender Wirth: 450 Typ L2
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
ZC12/18	sim: 41	Wide	sim: 87 %	sim: 1.600	Bender Wirth: 433 Typ L1
ZC4/6	sim: 32	Wide	sim: 88 %	sim: 2.300	Bender Wirth: 434 Typ L1
SLE G5 LES11	33 deg	Wide	90 %	2.200	Bender Wirth: 434 Typ L1



**PRODUCT DATASHEET**  
**Barbara series**  
last update 6/3/2017

## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
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H G F E D C B A

4

3

2

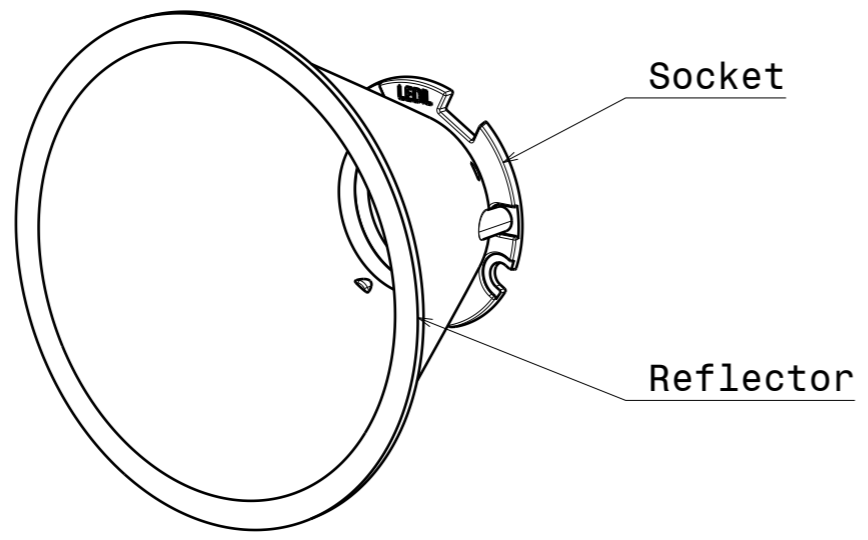
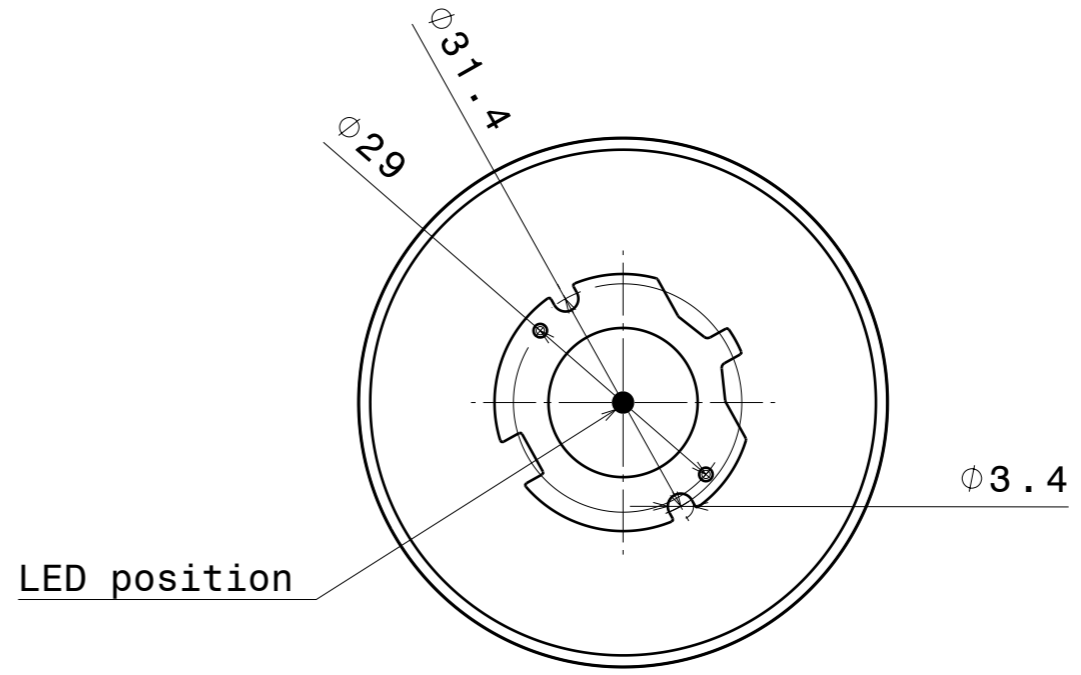
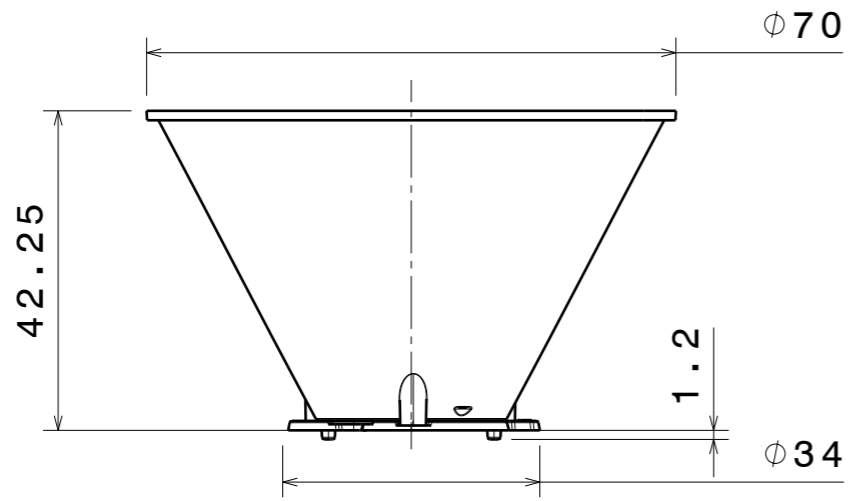
1

4

3

2

1



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**

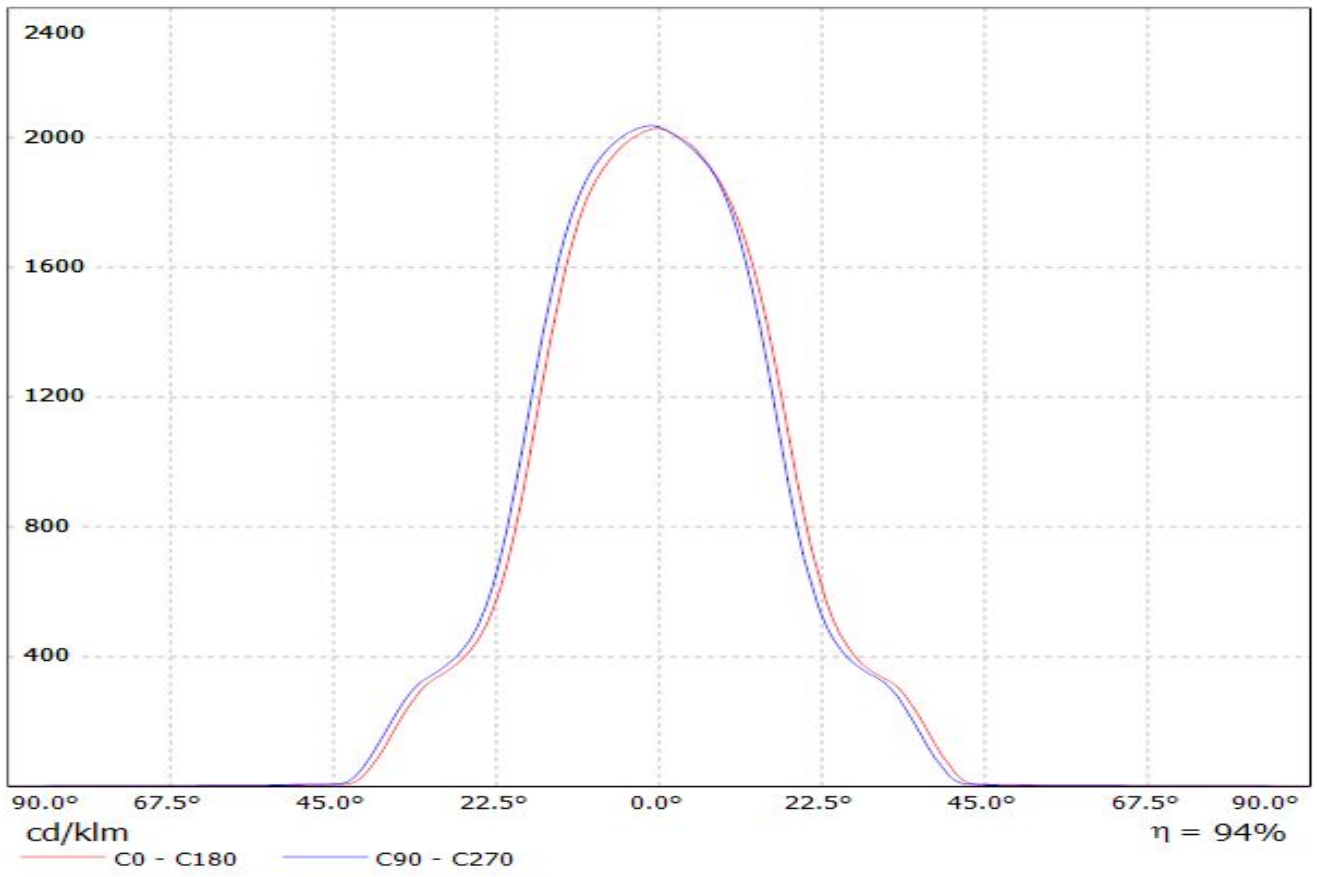
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.

SIZE **A3** PART NUMBER -

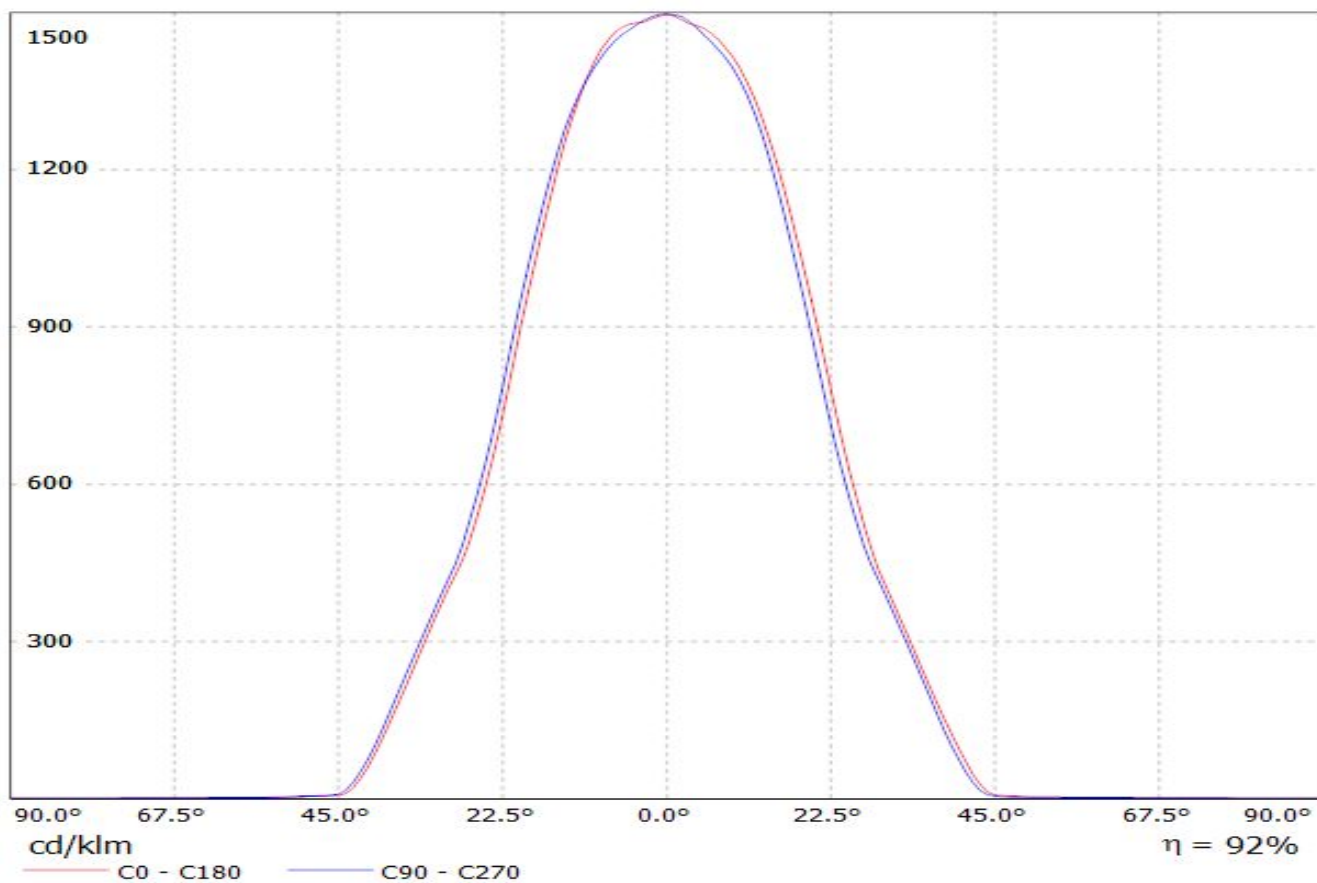
SCALE 1:1 WEIGHT - SHEET 1/1

H G B A

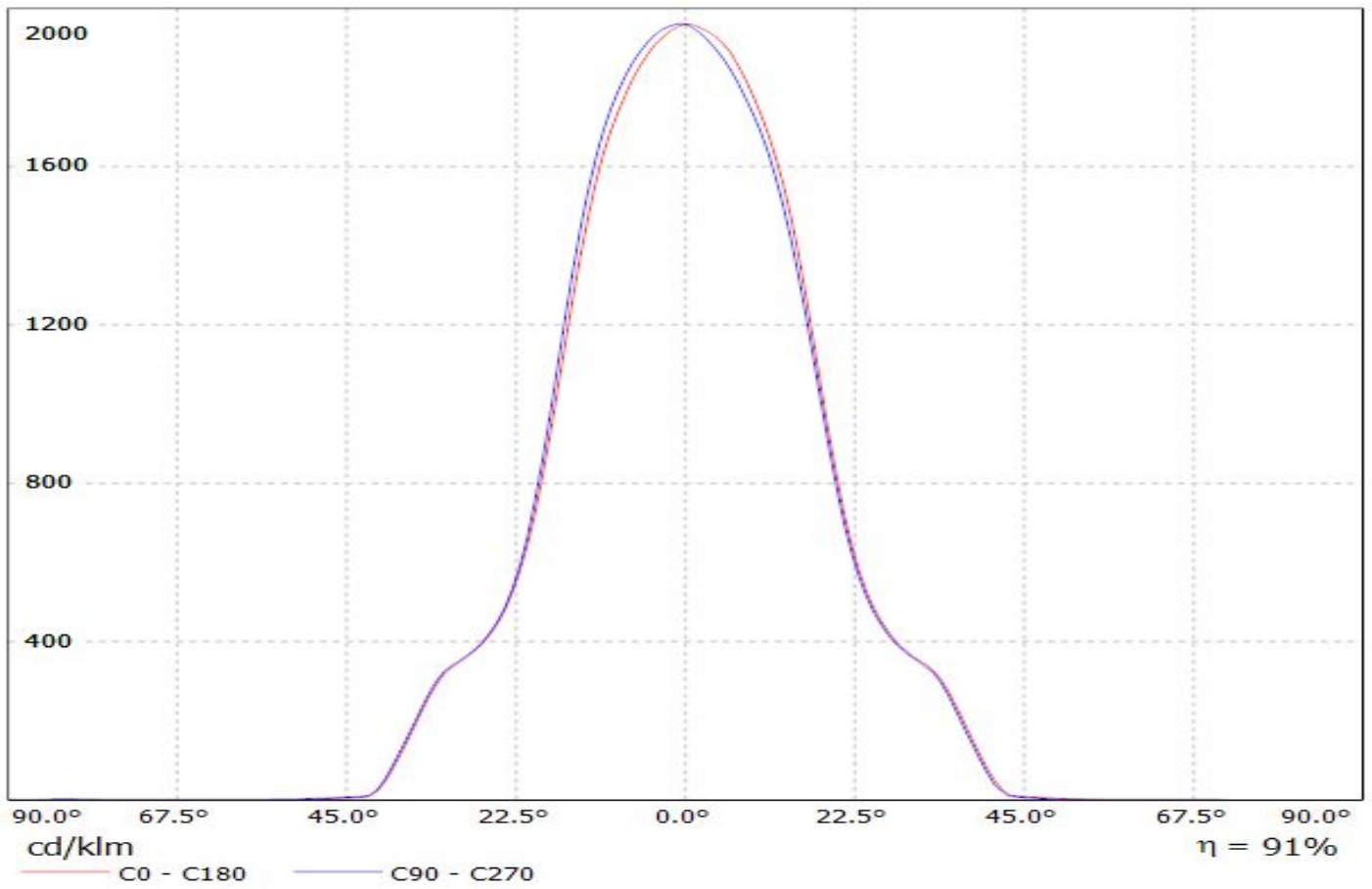
Luminaire: LEDiL Oy FCN13927\_BARBARA-W-PF-VERO13/18  
Lamps: 1 x VERO13\_1029@250mA\_P=7.54246W\_I=249.8mA



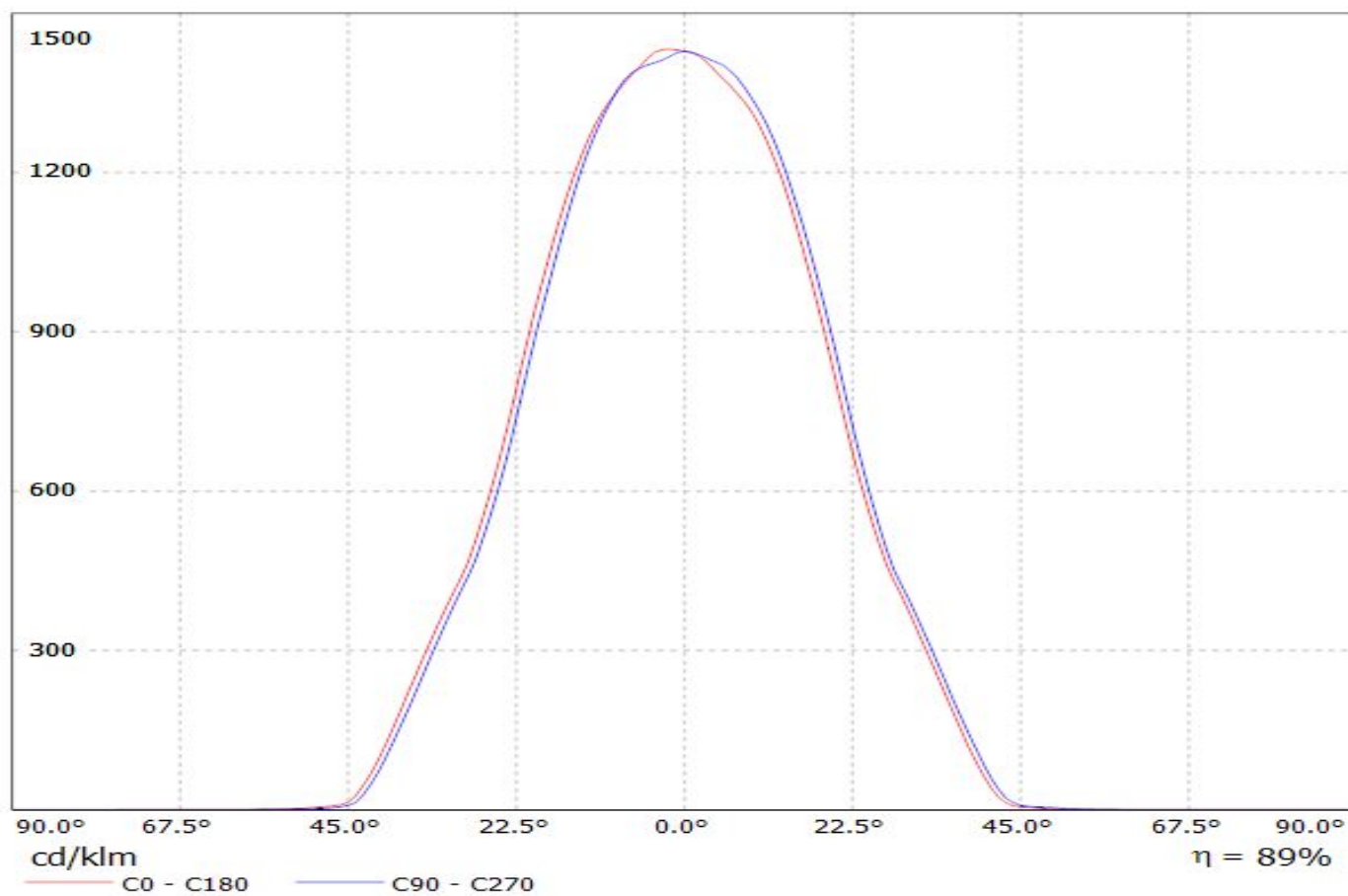
Luminaire: LEDiL Oy FCN13927\_BARBARA-W-PF-VERO1318  
Lamps: 1 x VERO18\_878.76lm@250mA\_P=6.73231W\_I=249.9mA



Luminaire: LEDiL Oy FCN13927\_BARBARA-W-PF-VERO13/18\_(XENIO\_13MM)  
Lamps: 1 x XENIO\_13MM\_2074.66lm@?mA\_P=23W\_I=?A

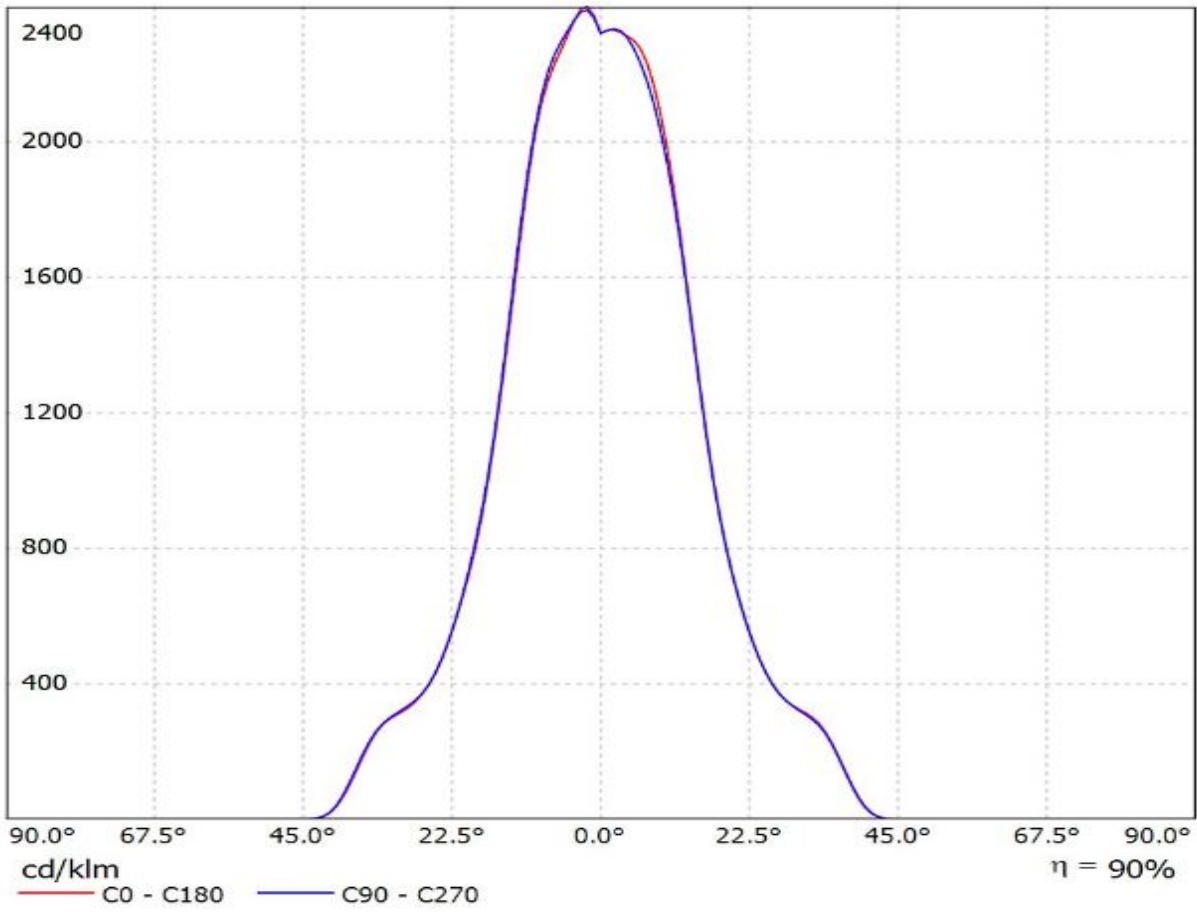


Luminaire: LEDiL Oy FCN13927\_BARBARA-W-PF-VERO1318\_(Xenio\_18mm)  
Lamps: 1 x Xenio\_18mm\_3761.62lm@?mA\_P=43W\_I=?A

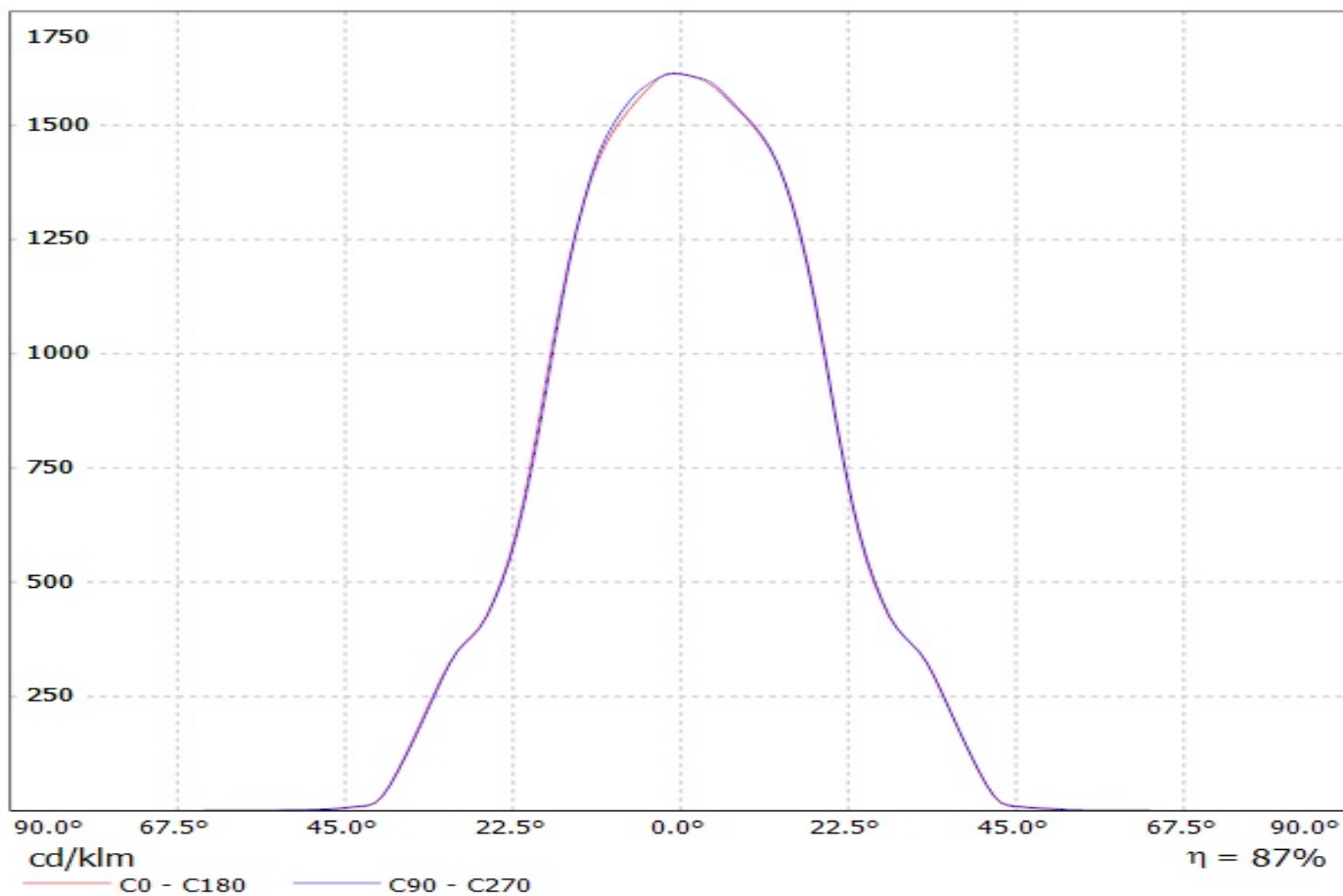




Luminaire: Ledil Oy FCN13927\_BARBARA-W-PF-VERO13-18+\_B+W\_434\_TypL1\_BRIDGELUX\_V10\_Gen7  
Lamps: 1 x BRIDGELUX V10 Gen7

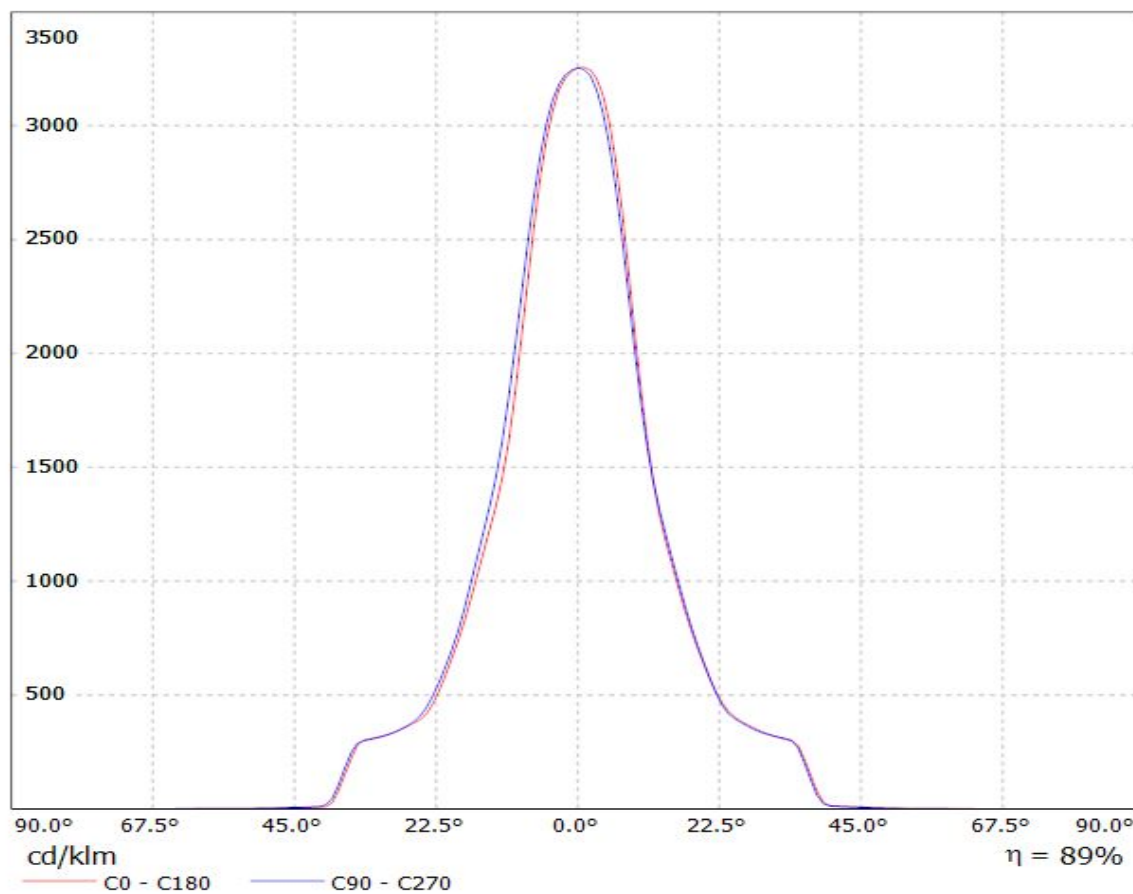


Luminaire: Ledil FCN13927\_BARBARA-W-PF-VERO13-18\_(CLU034)\_ (433\_Typ\_L1)  
Lamps: 1 x Citizen\_CLU034\_(CLU034-1205B8-303M1A2)\_1180.79lm@250mA\_P=8.50075W\_I=0.25A

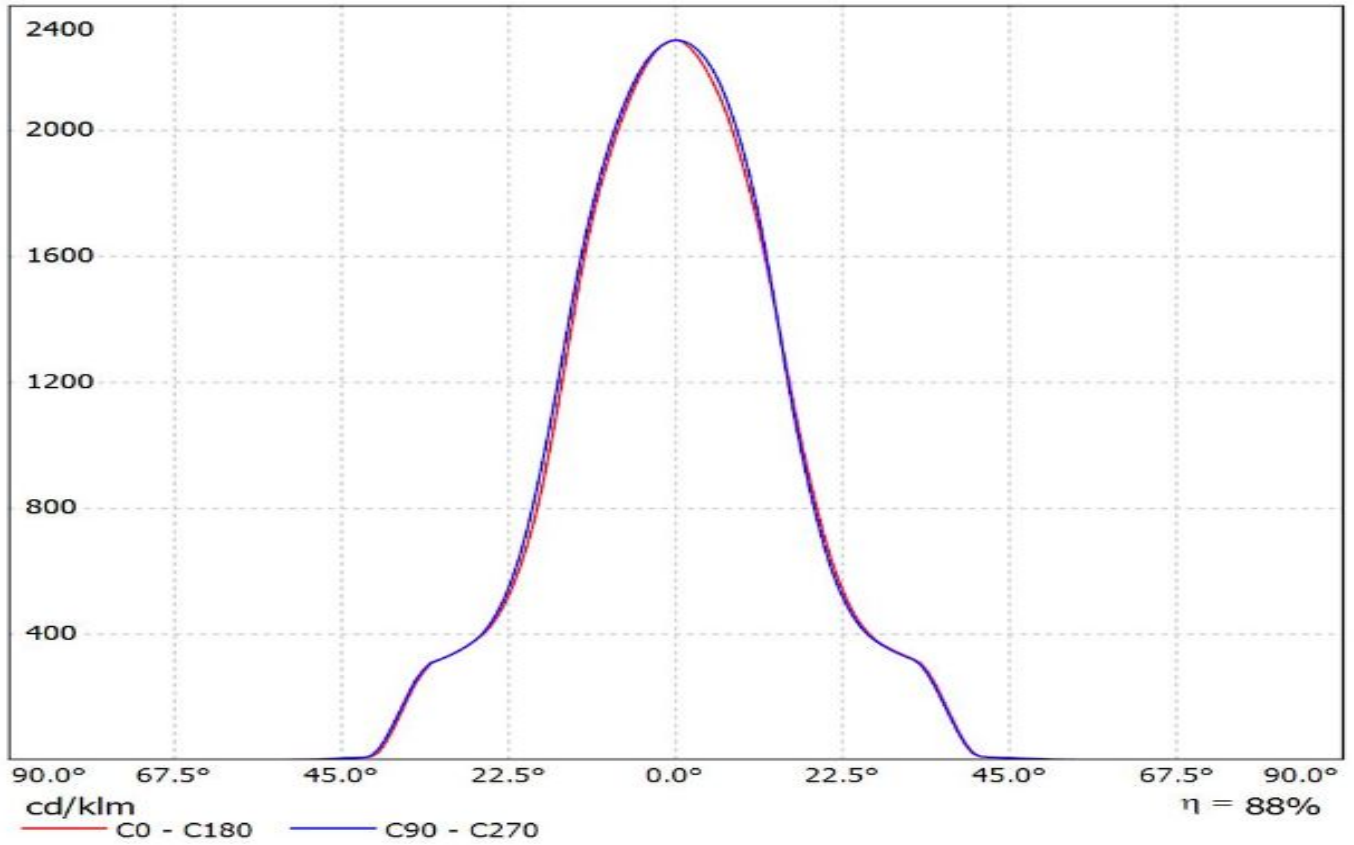


Luminaire: LEDiL Oy FCN13927\_BARBARA-W-PF-VERO13-18\_(CLU700)

Lamps: 1 x Citizen\_CLU700\_(CLU700-1002B8-273M2G1)\_(C13709)\_(434\_Typ\_L1)\_374.62lm@100mA\_P=2.81352W\_I=0.1002A



Luminaire: Ledil 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

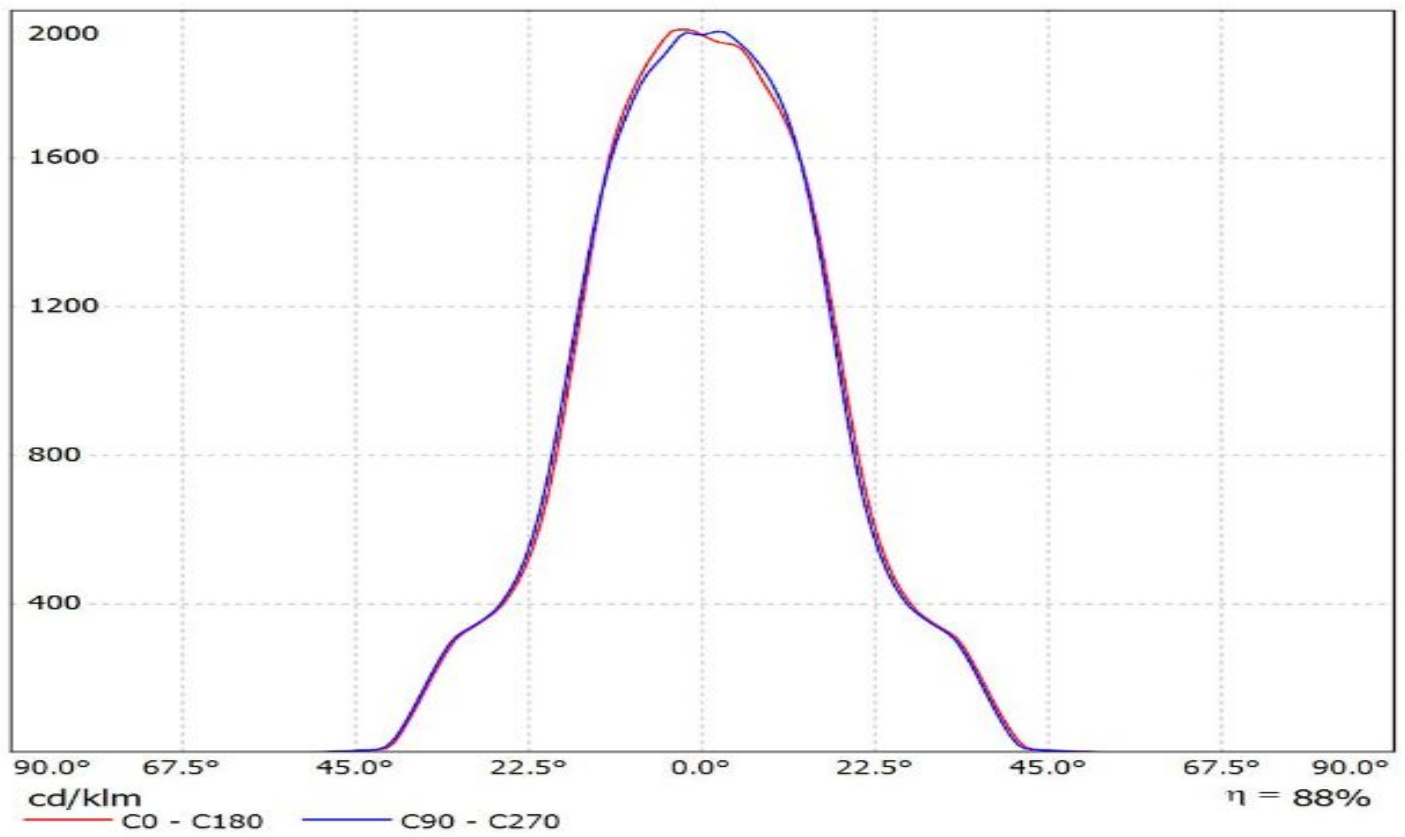


# Ledil FCN13927\_BARBARA-W-PF-VERO13-18\_(CXA1850) / LDC (Linear)

Luminaire: Ledil FCN13927\_BARBARA-W-PF-VERO13-18\_(CXA1850)

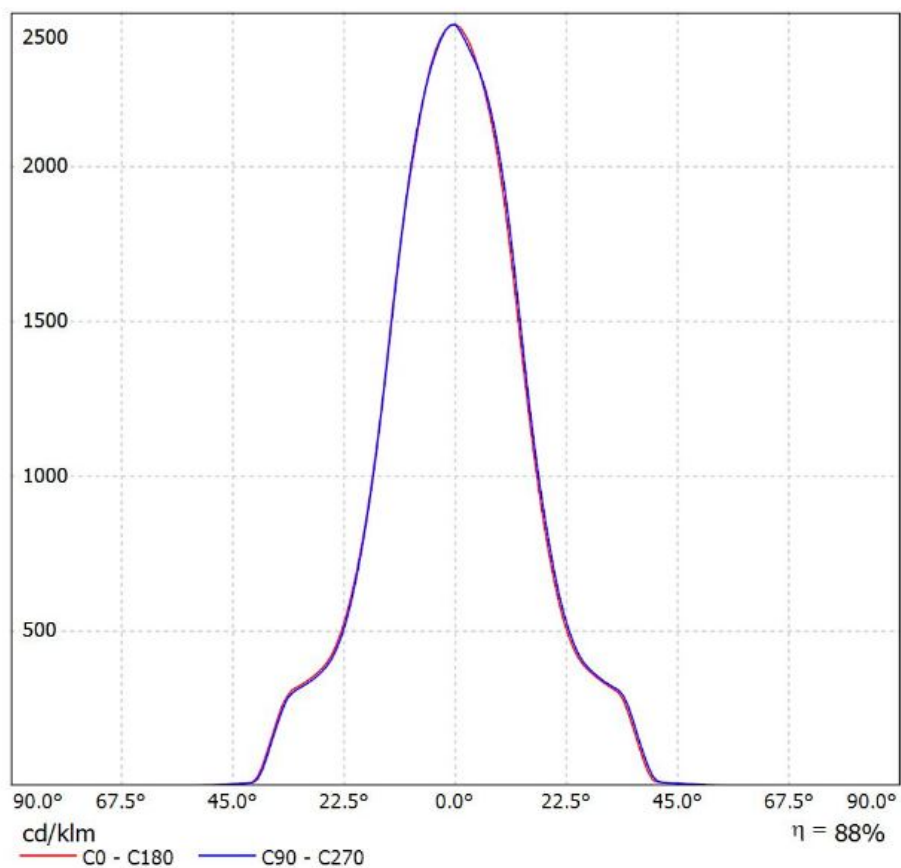
Lamps: 1 x CREE\_CXA1850\_(CXA1850-30F-T4-N0Y-00001)

\_847.836lm@250mA\_CCT=3000K\_P=8.27W\_I=0.25A

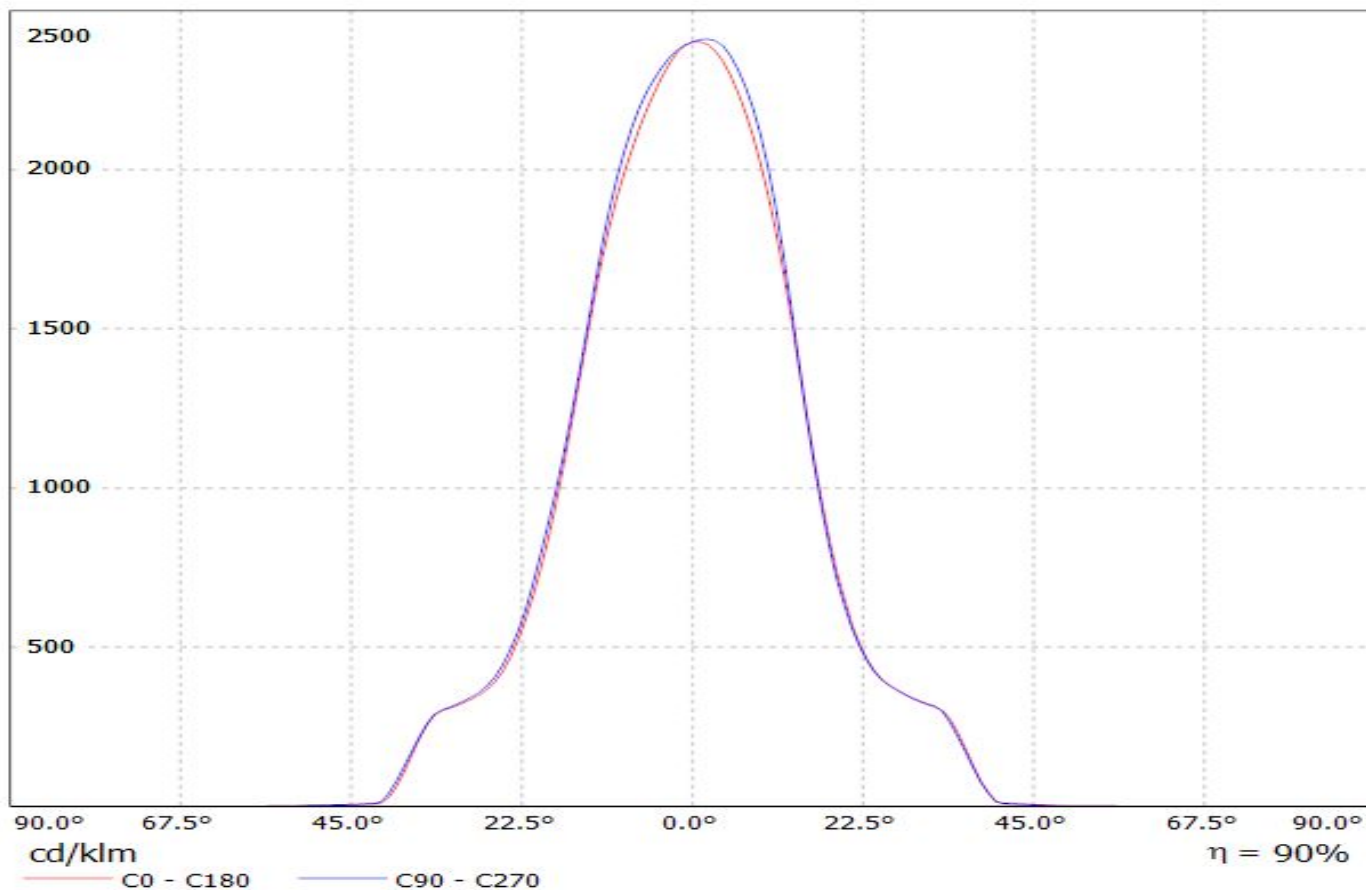




Luminaire: Ledil FCN13927\_BARBARA-W-PF-VERO13-18\_(CXA1520)\_CXA1520\_(CXA1520-30F-N4-N0H-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18)\_1036.14lm@250mA\_P=8.825W\_I=0.25A  
Lamps: 1 x CXA1520\_(CXA1520-30F-N4-N0H-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18)\_1036.14lm@250mA\_P=8.825W\_I=0.25A

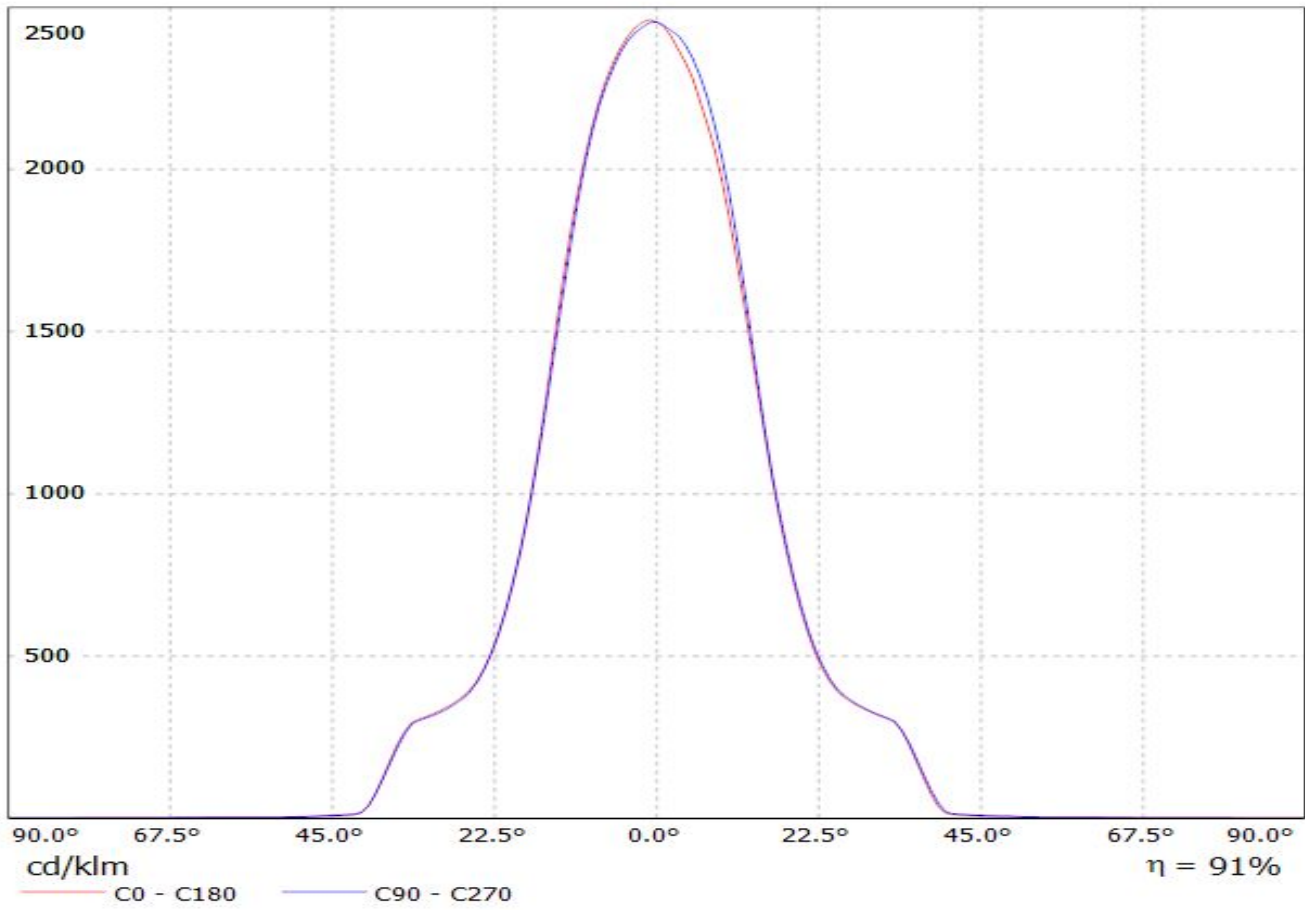


Luminaire: LEDiL Oy FCN13927\_BARBARA-W-PF-VERO13/18\_(Luxeon\_CoB\_1203)\_ (438\_Typ\_L1)  
Lamps: 1 x Luxeon\_CoB\_1203\_(438\_Typ\_L1)\_C13709\_PF-SOCKET-VERO13-18\_994.226lm@250mA\_P=8.69429W\_I=0.2498A

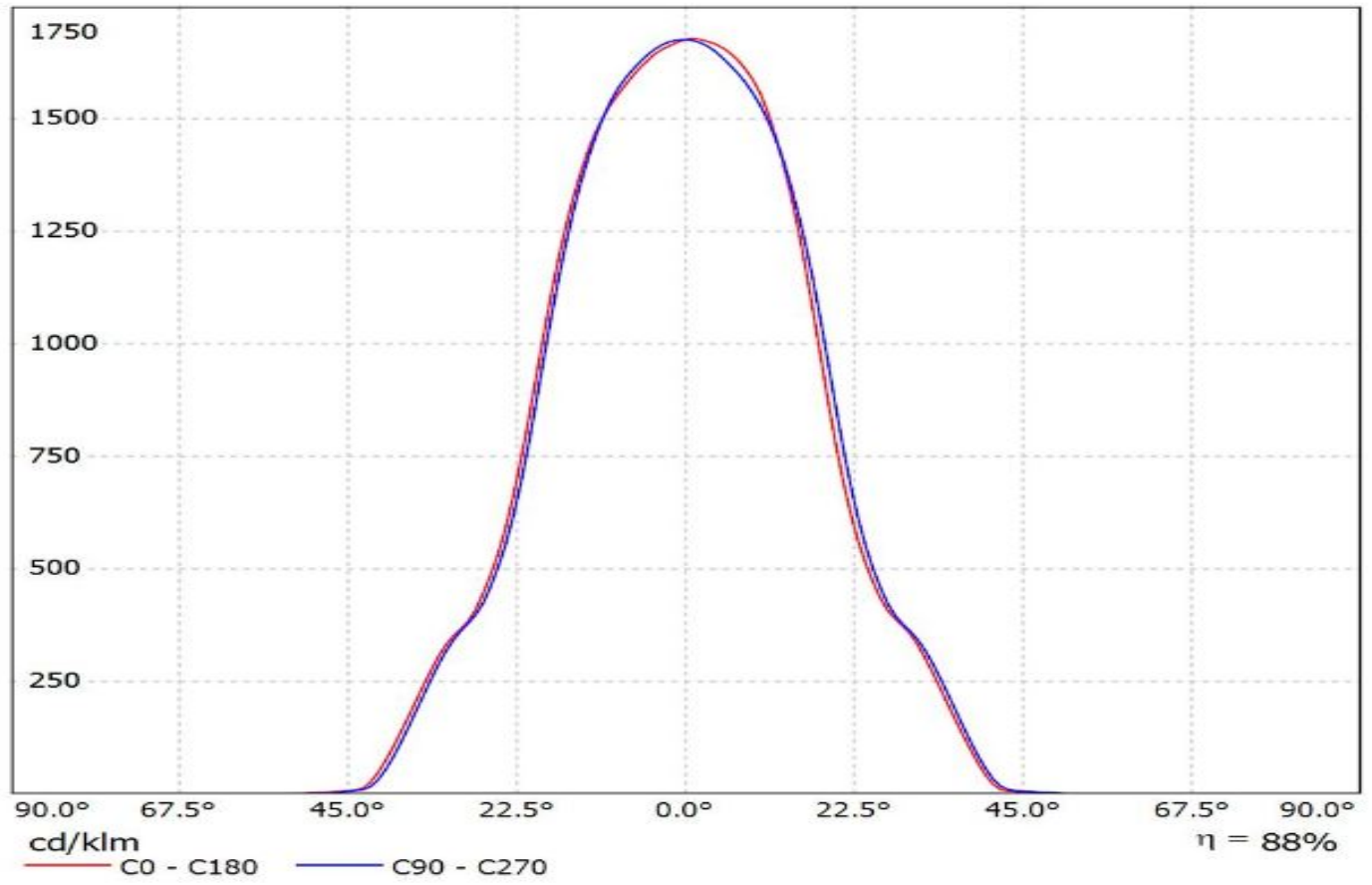


Luminaire: LEDiL Oy FCN13927\_BARBARA-W-PF-VERO13-18\_(NFCLL036B)

Lamps: 1 x Nichia NFCLL036B (sm403J1300R8000)\_542.652lm@100mA\_CCT=4000K\_P=3.34084W\_I=0.100A

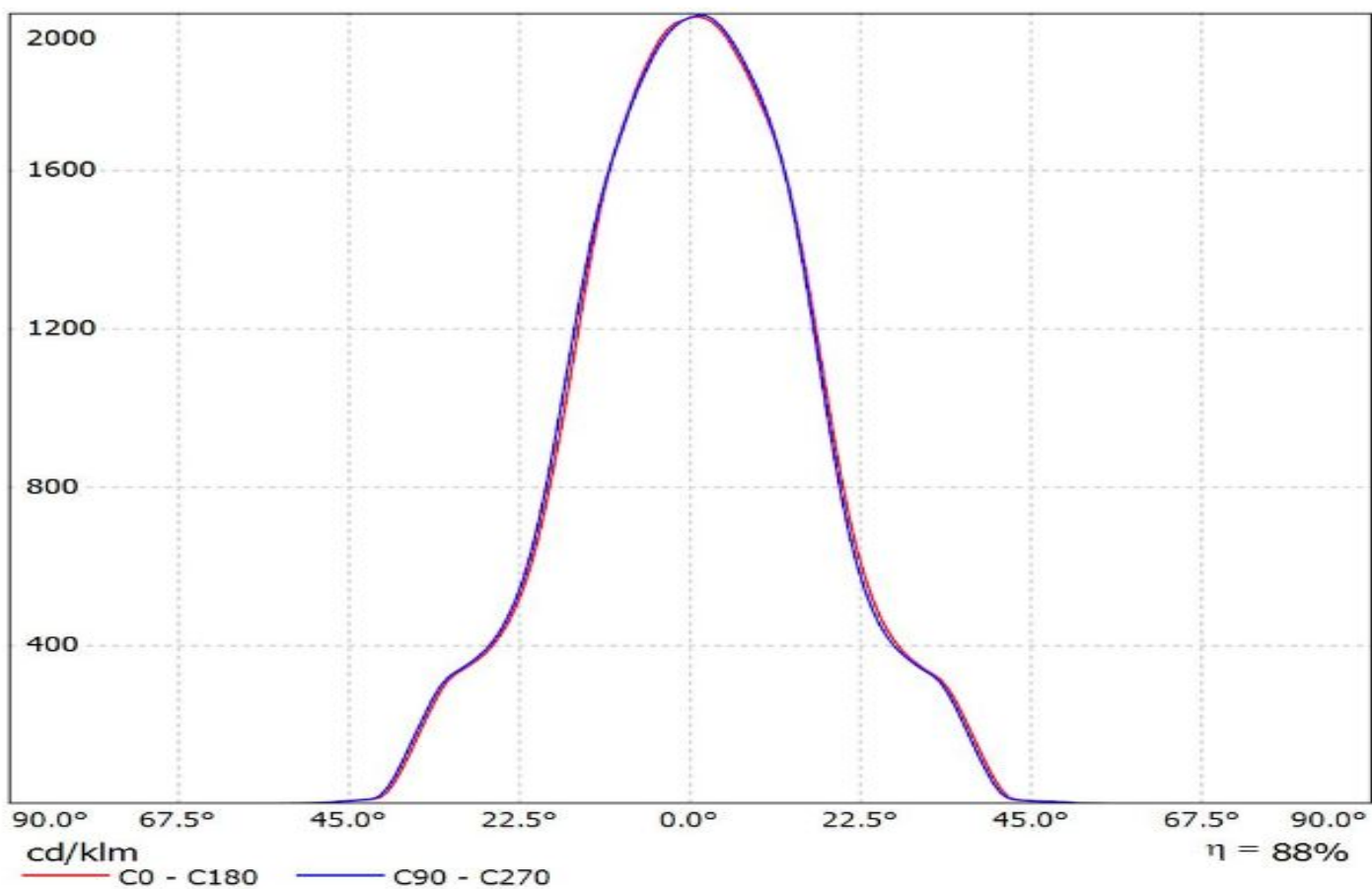


Luminaire: Ledil FCN13927\_BARBARA-W-PF-VERO13/18\_(NFDxJ130B)  
Lamps: 1 x Nichia\_NFDxJ130B\_(463 Typ L2)\_C13709\_PF-SOCKET-VERO13-18\_1532.05lm@250mA\_P=8.27W\_I=0.25A



Luminaire: Ledil FCN13927\_BARBARA-W-PF-VERO13/18\_(NFCLL060B)

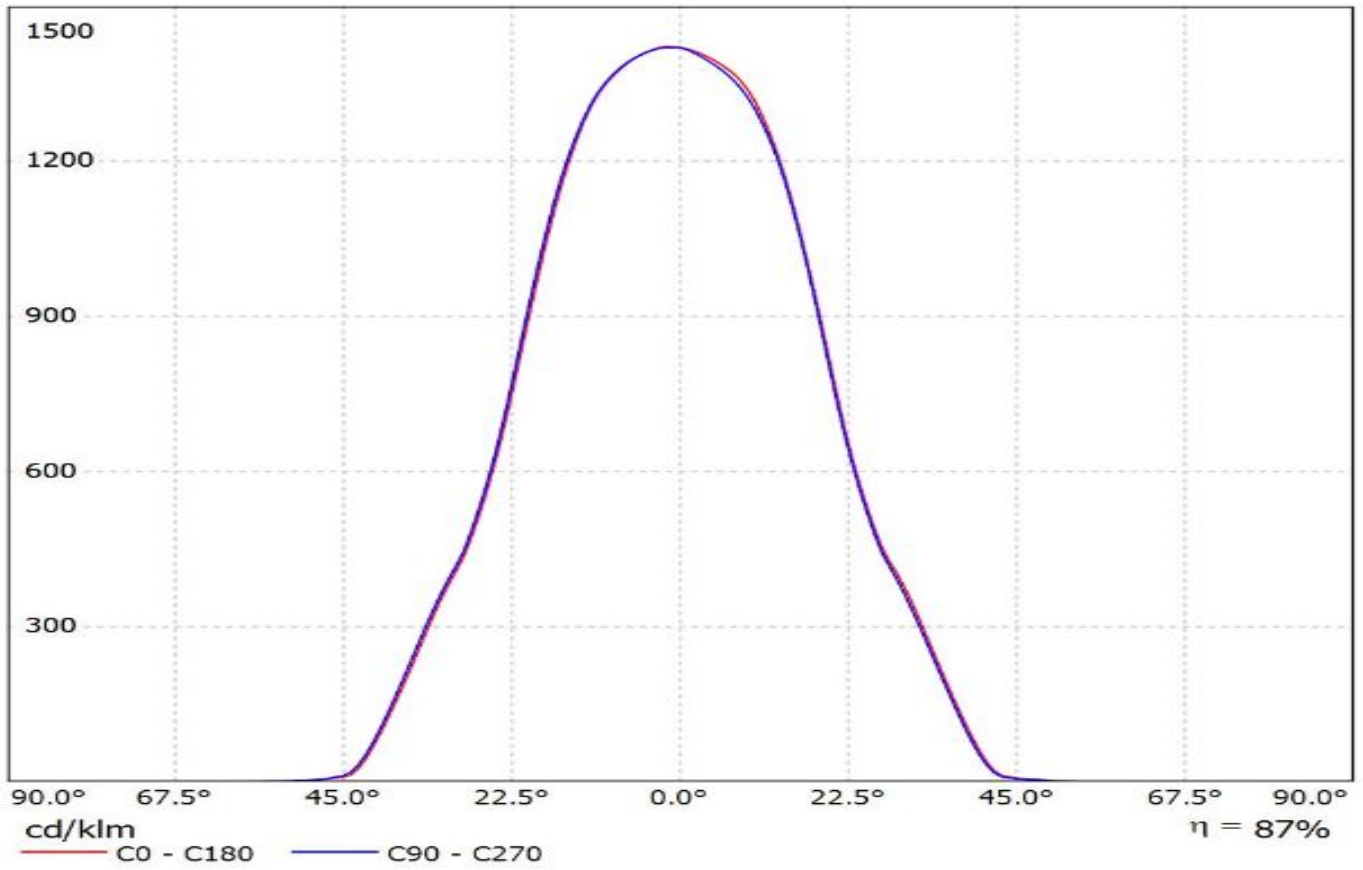
Lamps: 1 x Nichia\_NFCLL060B\_(438\_TYP\_L1)\_1365.88lm@250mA\_P=8.375W\_I=0.25A



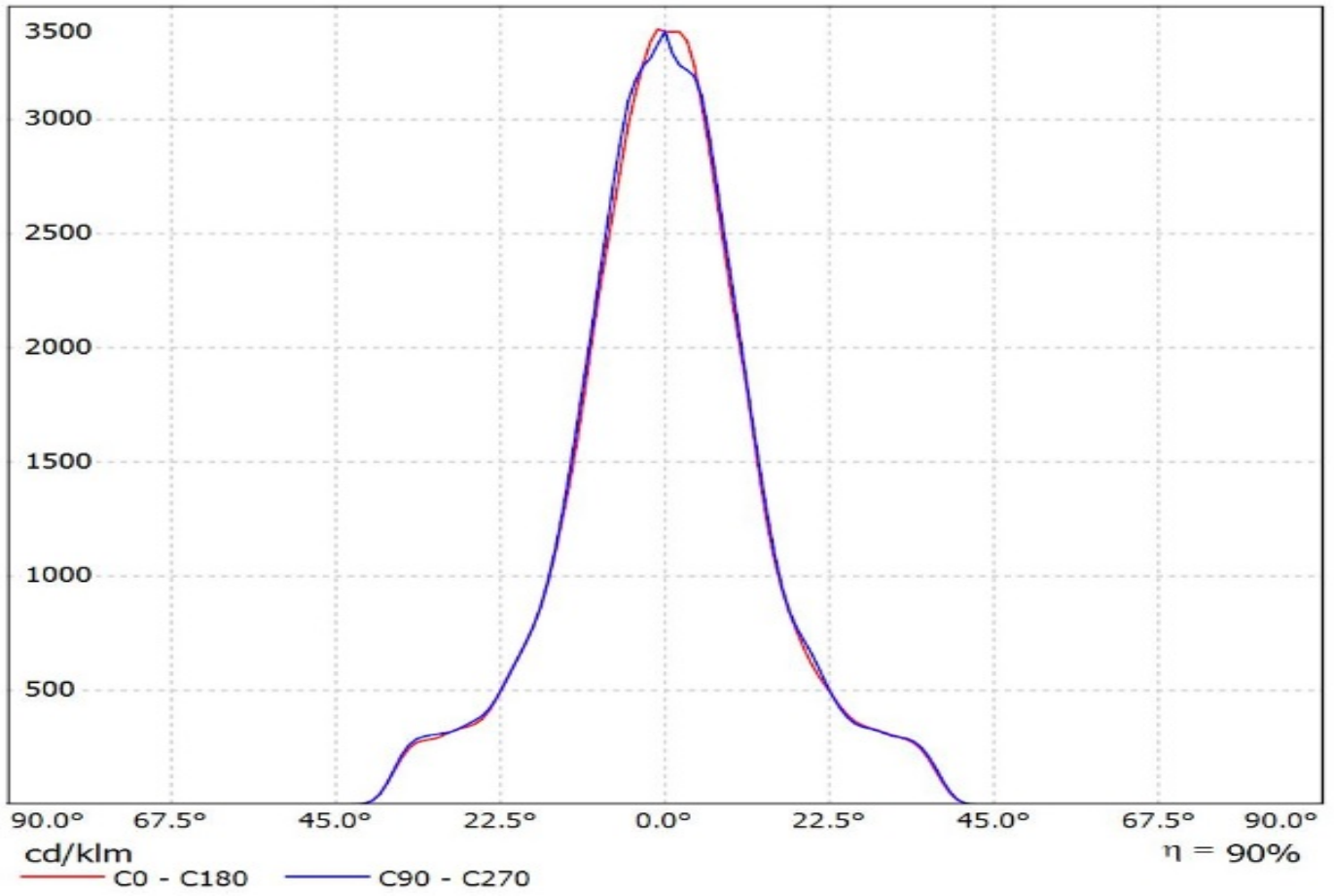




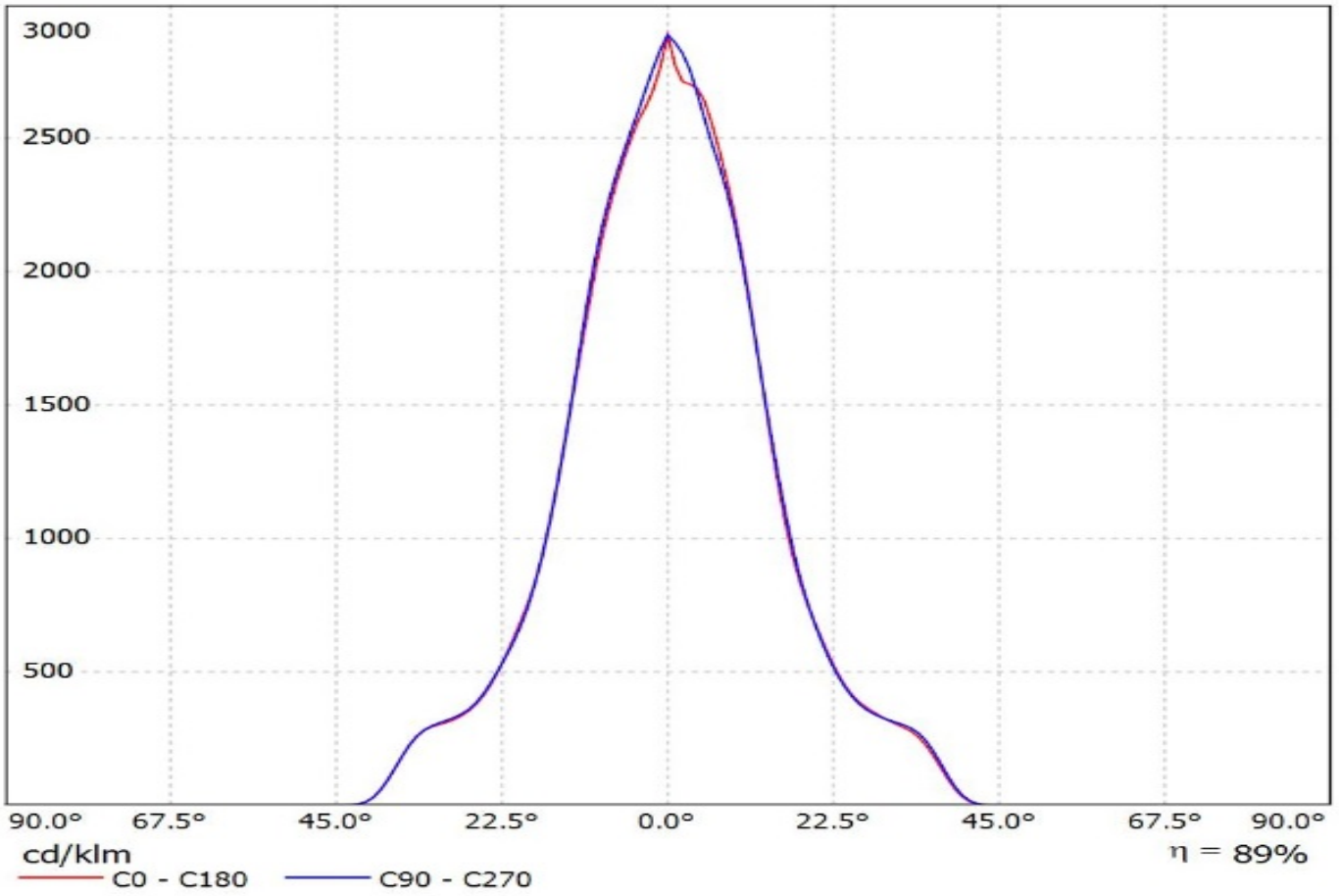
Luminaire: Ledil FCN13927\_BARBARA-W-PF-VERO13/18\_(LC040B)\_(450\_Typ\_L2)\_(C13709)  
Lamps: 1 x Samsung\_LC040B\_(SPHWW1HDNE25010101)\_CCT=3000k\_(450\_Typ\_L2)\_(C13709\_PF-SOCKET-VERO13-18)\_1115.79lm@250mA\_P=8.075W\_I=0.25A



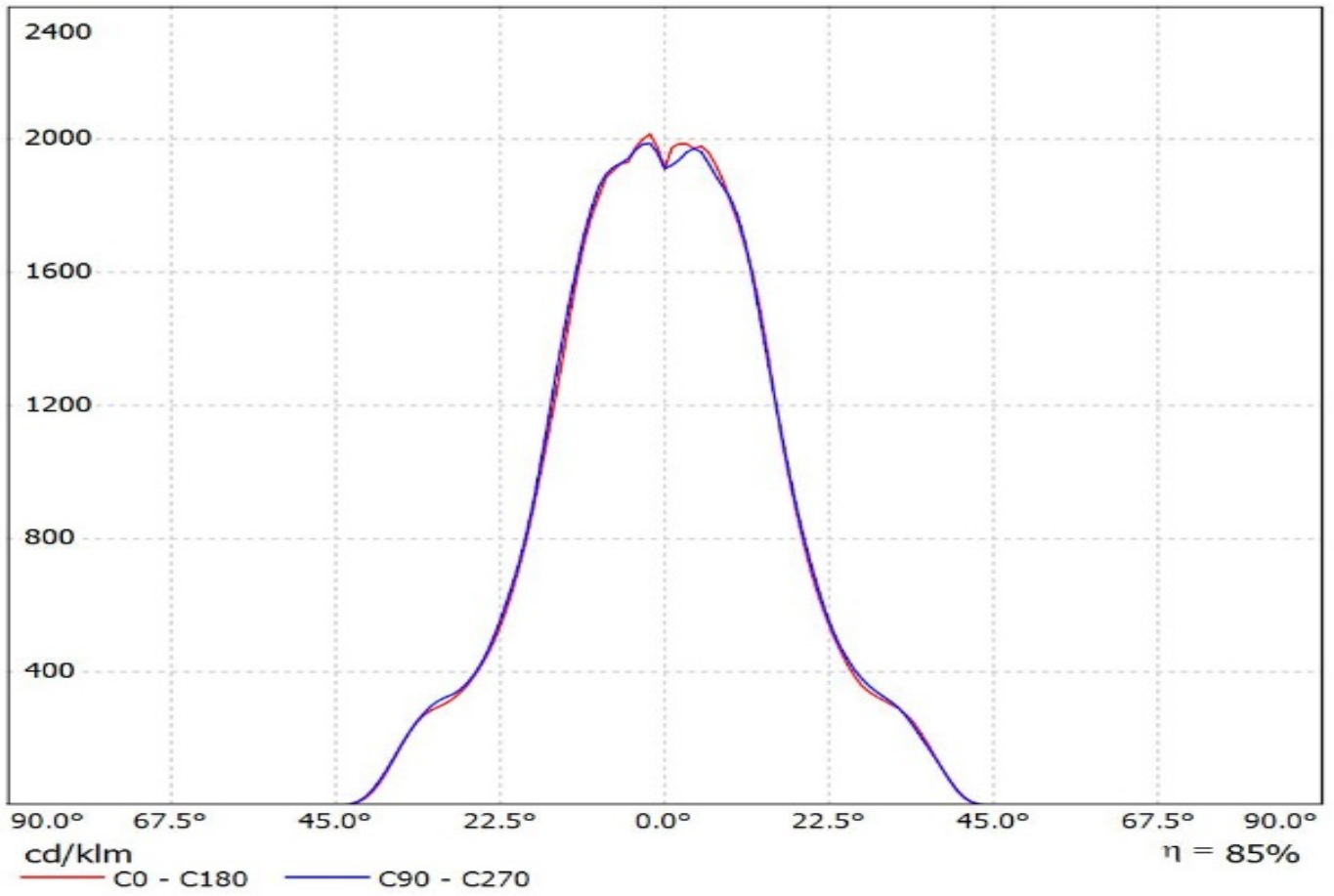
Luminaire: Ledil Oy FCN13927\_BARBARA-W-PF-VERO13-18\_(LC010C)\_(B+W\_479\_Typ\_L1)\_SIMULATED  
Lamps: 1 x Samsung LC010C + Bender & Wirth 479 Type L1



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

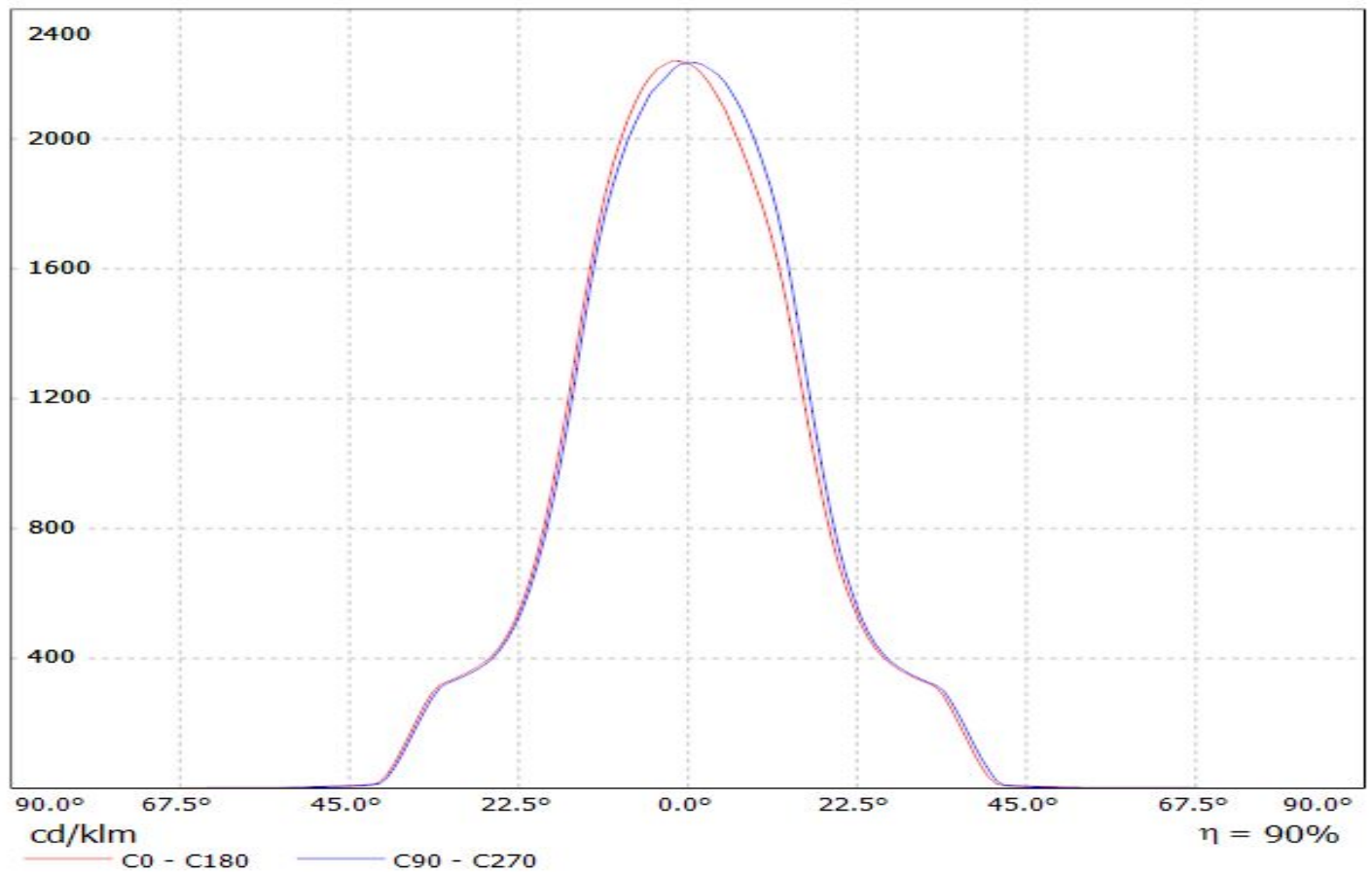


Luminaire: Ledil Oy FCN13927\_BARBARA-W-PF-VERO13-18\_(LC040C)\_(B+W\_480\_Typ\_L1)\_SIMULATED  
Lamps: 1 x Samsung LC040C + Bender & Wirth 480 TType L1

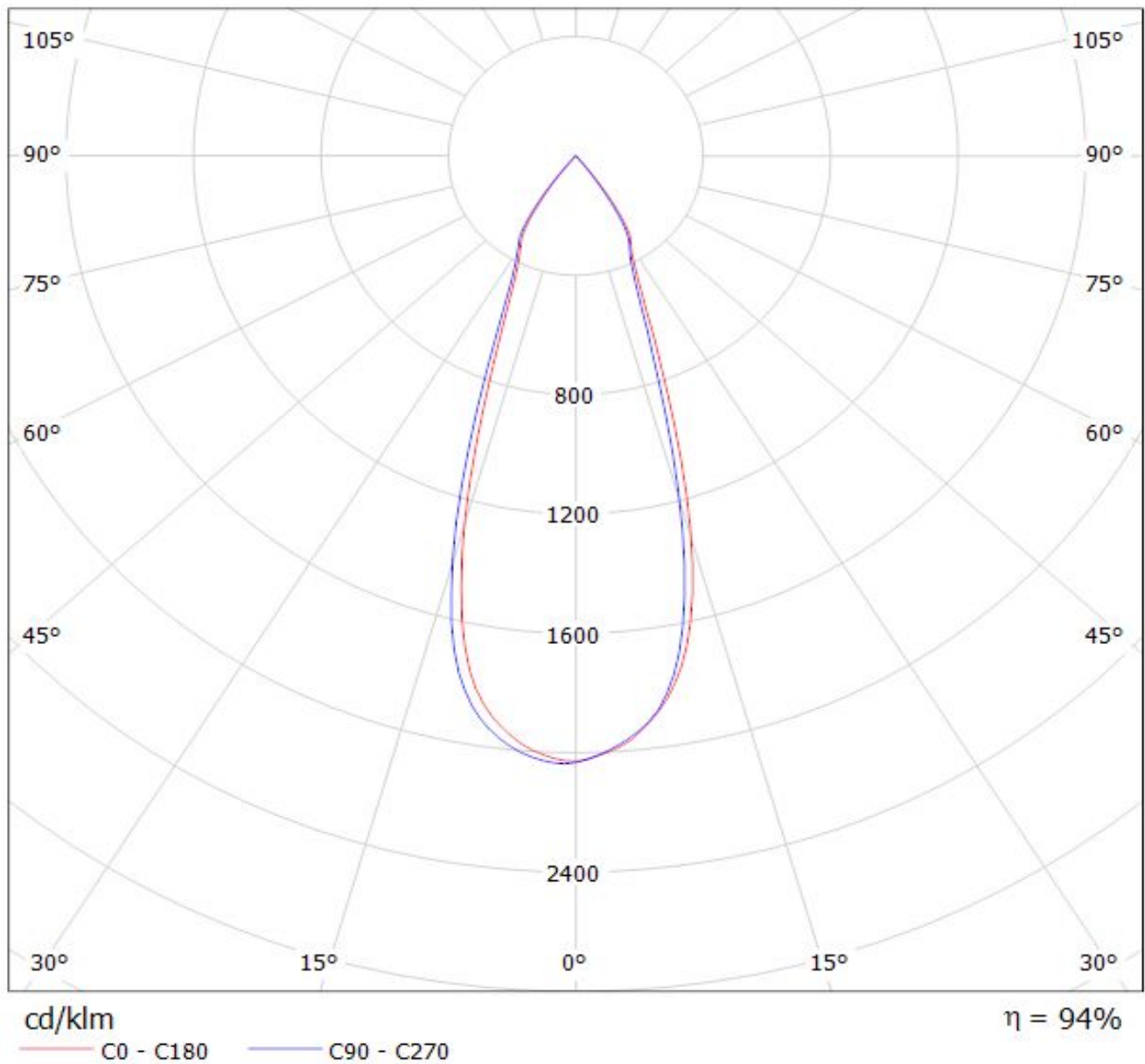




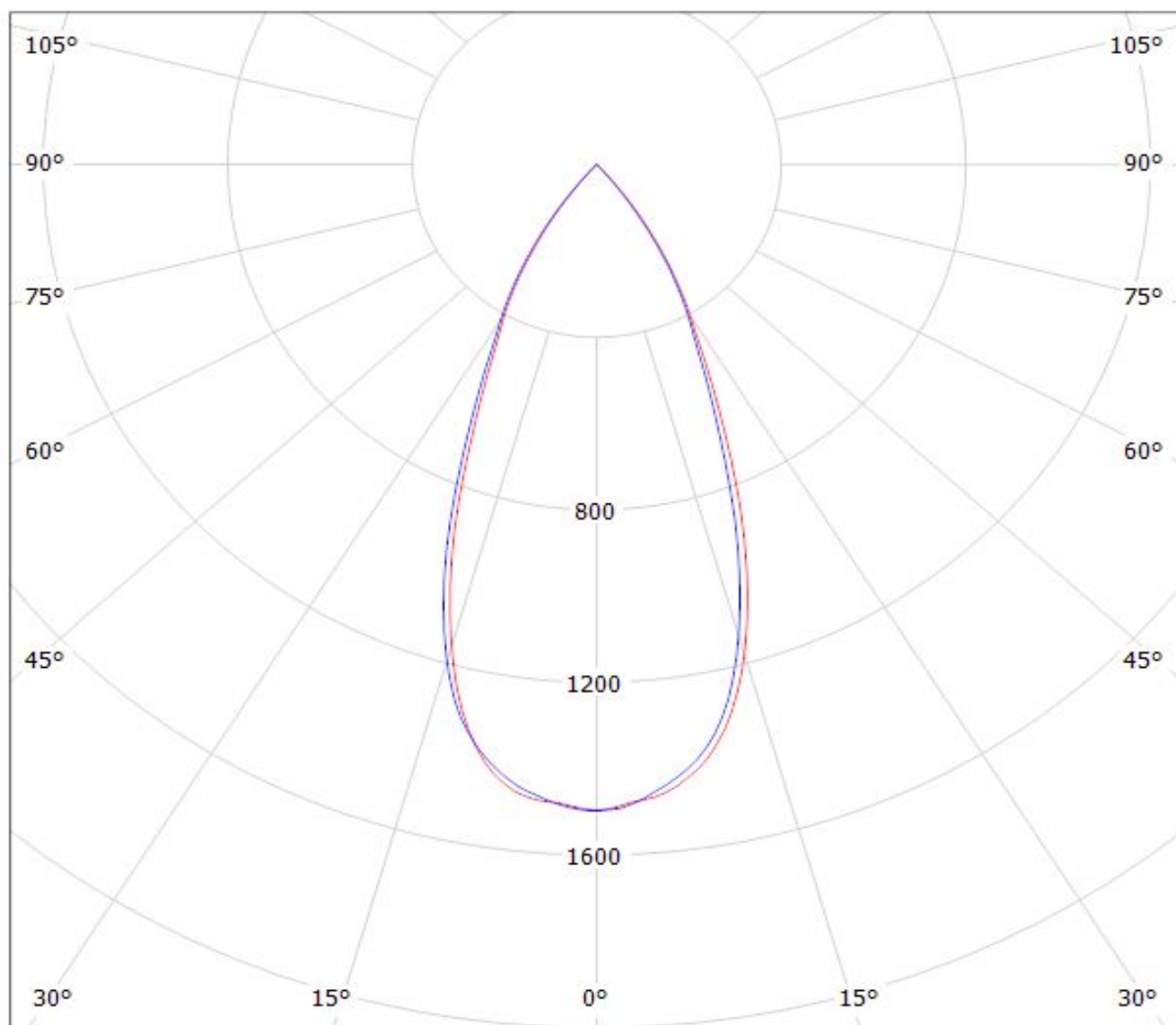
Luminaire: LEDiL Oy FCN13927\_BARBARA-W-PF-VERO13/18\_(SLE-G5\_LES-11)  
Lamps: 1 x Tridonic\_SLE-G5\_LES-11\_1142.55lm@250mA\_P=8.4070W\_I=0.250A



Luminaire: LEDiL Oy FCN13927\_BARBARA-W-PF-VERO13/18  
Lamps: 1 x VERO13\_1029@250mA\_P=7.54246W\_I=249.8mA



Luminaire: LEDiL Oy FCN13927 BARBARA-W-PF-VERO1318  
Lamps: 1 x VERO18\_878.76lm@250mA\_P=6.73231W\_I=249.9mA



cd/klm

$\eta = 92\%$

— C0 - C180 — C90 - C270