

DETAILS

Product Number	F13381_ANGELA-W
Family	Angela
Type	Reflector
Color	metal
Diameter	119,5 mm
Height	74,27 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	
Status	production ready
ROHS Compliant	Yes
Date Updated	28/09/2017



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
V13 Gen7	34 deg	Wide	83 %	1.600	TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1
V22 Gen7	sim: 34	Wide	sim: 93 %	sim: 2.260	IDEAL: 50-2204-CT + 50-2100AN
V13 Gen7	sim: 32	Wide	sim: 89 %	sim: 2.500	IDEAL: 50-2103CT + 50-2100AN
VERO29	46 deg	Wide	82 %	1.190	LEDiL: LEDiL
VERO18	38 deg	Wide	84 %	1.500	LEDiL: LEDiL
VERO13	33 deg	Wide	86 %	1.700	LEDiL: LEDiL
V15 Gen6	35 deg	Wide	84 %	1.700	Bender Wirth: 456 Typ L2
V10 Gen7	sim: 34	Wide	sim: 89 %	sim: 2.300	Bender Wirth: 434 Typ L1
V13 Gen7	37 deg	Wide	78 %	1.400	TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1
VERO29	48 deg	Wide	78 %	1.080	-
CLL03x/CLU03x	30 deg	Wide	83 %	1.800	IDEAL: 50-2103CT + 50-2100AN
CLU720/721	29 deg	Wide	85 %	1.800	IDEAL: 50-2103CT + 50-2100AN
CLU720/721	32 deg	Wide	85 %	1.700	TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1
CLL04x/CLU04x	39 deg	Wide	83 %	1.400	Bender Wirth: 431 Typ L3
CLU720/721	34 deg	Wide	82 %	1.600	Bender Wirth: 433 Typ L1
CLL03x/CLU03x	36 deg	Wide	82 %	1.500	Bender Wirth: 433 Typ L1
CLU700/701	30 deg	Wide	82 %	1.800	Bender Wirth: 434 Typ L1
CLL02x/CLU02x (LES10)	33 deg	Wide	83 %	1.700	Bender Wirth: 434 Typ L1
CXA/B 3590	44 deg	Wide	84 %	1.260	IDEAL: 50-2303CR + 50-2300AN
CXA/B 1830	sim: 35	Wide	sim: 87 %	sim: 2.200	TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1
CXA/B 1816 & CXA/B 1820 & CXA 1850	34 deg	Wide	82 %	1.600	Bender Wirth: 437 Typ L1
CXA/B 15xx	31 deg	Wide	83 %	1.800	Bender Wirth: 441 Typ L1
CXA/B 25xx	38 deg	Wide	84 %	1.400	LEDiL: LEDiL
CXA/B 30xx	41 deg	Wide	84 %	1.400	-
CXA/B 15xx	33 deg	Wide	84 %	1.900	LEDiL: LEDiL

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
CXA/B 1816 & CXA/B 1820 & CXA 1850	36 deg	Wide	84 %	1.800	LEDiL: LEDiL
CHI3030 19W	40 deg	Wide	80 %	1.400	Bender Wirth: 468 Typ L3
CHI3030 29W	43 deg	Wide	80 %	1.300	Bender Wirth: 468 Typ L3
LUXEON CoB 1204/1205	33 deg	Wide	84 %	1.680	TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1
LUXEON CoB 1208	34 deg	Wide	84 %	1.660	TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1
LUXEON CoB 1208	34 deg	Wide	82 %	1.600	IDEAL: 50-2100SH + 50-2100AN
LUXEON CoB 1211	37 deg	Wide	82 %	1.500	IDEAL: 50-2204-CT + 50-2100AN
LUXEON S2000	34 deg	Wide	84 %	1.900	LEDiL: LEDiL
LUXEON S3000	34 deg	Wide	84 %	1.800	LEDiL: LEDiL
LUXEON S5000	37 deg	Wide	85 %	1.700	LEDiL: LEDiL
LUXEON CoB 1211	39 deg	Wide	83 %	1.400	Bender Wirth: 431 Typ L3
LUXEON CoB 1202/1203	31 deg	Wide	83 %	1.700	Bender Wirth: 438 Typ L1
LUXEON K12	37 deg	Wide	82 %	1.500	TE: 2213134-2 + OPTIC CLIP Z50 TYPE1 2213194-1
LUXEON K16	38 deg	Wide	83 %	1.400	TE: 2213134-2 + OPTIC CLIP Z50 TYPE1 2213194-1
CXM-14	34 deg	Wide	84 %	1.660	TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1
CXM-14	NULL deg	Wide	sim: 82 %	sim: 1.500	Bender Wirth: 433 Typ L1
CXM-9	NULL deg	Wide	sim: 83 %	sim: 1.700	Bender Wirth: 434 Typ L1
COB L-Type (LES 11)	35 deg	Wide	85 %	1.610	Molex: 180580-0005
COB L-Type (LES 11)	28 deg	Wide	87 %	2.300	TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1
COB J-Type	33 deg	Wide	82 %	1.790	IDEAL: 50-2103NC + 50-2100AN
COB L-Type (LES 9)	31 deg	Wide	84 %	1.800	Bender Wirth: 438 Typ L1
COB J-Type	36 deg	Wide	82 %	1.500	Bender Wirth: 463 Typ L2
COB L-Type (LES 11)	34 deg	Wide	82 %	1.600	Bender Wirth: 438 Typ L1
COB J-Type	35 deg	Wide	79 %	1.400	IDEAL: 50-2103NC + 50-2100AN
PrevaLED Core Z3 LES9	28 deg	Wide	84 %	1.960	TE: OPTIC CLIP Z50 TYPE1 2213194-1
PrevaLED Core Z3 LES19	33 deg	Wide	83 %	1.650	TE: OPTIC CLIP Z50 TYPE1 2213194-1
PrevaLED Core Z3 LES23	38 deg	Wide	85 %	1.500	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Soleriq S13	33 deg	Wide	85 %	1.800	TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1
Soleriq S19	35 deg	Wide	84 %	1.610	TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1
PrevaLED Core AC (LEP-800)	29 deg	Wide	84 %	1.880	TE: OPTIC CLIP Z50 TYPE1 2213194-1
PrevaLED Core AC (LEP-2000)	34 deg	Wide	84 %	1.670	TE: OPTIC CLIP Z50 TYPE1 2213194-1
PrevaLED Core Z4 LES19	34 deg	Wide	84 %	1.700	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Soleriq P13	33 deg	Wide	84 %	1.660	TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1
Soleriq S15	sim: 36	Wide	sim: 89 %	sim: 1.954	TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1
Soleriq S19	35 deg	Wide	82 %	1.600	Bender Wirth: 462 Typ L3
Soleriq P9	32 deg	Wide	86 %	1.700	Bender Wirth: 461 Typ L1
Soleriq P13	34 deg	Wide	86 %	1.600	Bender Wirth: 437 Typ L1
Soleriq S13	35 deg	Wide	82 %	1.600	Bender Wirth: 437 Typ L1
PrevaLED Core Z4 LES19	38 deg	Wide	78 %	1.400	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Fortimo LED SLM L9 G4 standard	30 deg	Wide	84 %	1.800	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Fortimo LED SLM L13 G4 standard	32 deg	Wide	84 %	1.700	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Fortimo LED SLM L15 G4 standard	34 deg	Wide	84 %	1.600	TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

Fortimo LED SLM L19 G4 standard 37 deg Wide 83 % 1.500 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

Fortimo SLM G5 LES 9 Standard 30 deg Wide 83 % 1.800 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

Fortimo SLM G5 LES 9 Standard 30 deg Wide 83 % 1.800 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

Fortimo SLM G5 LES 15 Standard 34 deg Wide 81 % 1.560 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

Fortimo SLM G5 LES 19 Standard 37 deg Wide 80 % 1.430 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET

Angela series

last update 28/9/2017

Fortimo SLM G5 LES 13 Standard 33 deg Wide 82 % 1.700 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

Fortimo SLM 1211 L19 G6 Standard 37 deg Wide 82 % 1.500 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

Fortimo SLM G5 LES 15 Standard 38 deg Wide 76 % 1.300 TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

LC026B / 033B / 040B

36 deg

Wide

84 %

1.500

TE: 2213258-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

LC040C

33 deg

Wide

82 %

1.600

TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

LC026B / 033B / 040B

39 deg

Wide

82 %

1.400

Bender Wirth: 450 Typ L2



PRODUCT DATASHEET
Angela series
last update 28/9/2017

MJT COB LES 14.5

37 deg

Wide

82 %

1.500

TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET

Angela series

last update 28/9/2017

MJT COB LES 22

40 deg

Wide

81 %

1.300

Bender Wirth: 431 Typ L3



PRODUCT DATASHEET

Angela series

last update 28/9/2017

ZC12/18

NULL deg

Wide

sim: 82 % sim: 1.500 Bender Wirth: 433 Typ L1



PRODUCT DATASHEET

Angela series

last update 28/9/2017

ZC4/6

NULL deg

Wide

sim: 83 % sim: 1.700 Bender Wirth: 434 Typ L1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

AC Zhaga COB

41 deg

Wide

79 %

1.300

Optosource: SEHSMJD-A



PRODUCT DATASHEET

Angela series

last update 28/9/2017

STARK SLE G3 LES19

36 deg

Wide

84 %

1.560

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET

Angela series

last update 28/9/2017

STARK SLE G3 LES23

39 deg

Wide

84 %

1.440

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

SLE G4 LES23 H

38 deg

Wide

84 %

1.500

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

SLE G4 LES19 H

32 deg

Wide

82 %

1.700

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET

Angela series

last update 28/9/2017

SLE G5 LES15

34 deg

Wide

83 %

1.630

TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

SLE G5 LES19 H

36 deg

Wide

80 %

1.500

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

SLE G5 LES23 H

39 deg

Wide

83 %

1.440

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

SLE G6 LES15

sim: 35

Wide

sim: 88 % sim: 2.200 TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

SLE G6 LES17

sim: 36

Wide

sim: 90 % sim: 2.190 TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET

Angela series

last update 28/9/2017

SLE G5 LES11

32 deg

Wide

83 %

1.700

Bender Wirth: 434 Typ L1



PRODUCT DATASHEET

Angela series

last update 28/9/2017

WU-M-461

37 deg

Wide

84 %

1.600

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET

Angela series

last update 28/9/2017

WU-M-462

41 deg

Wide

83 %

1.440

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET

Angela series

last update 28/9/2017

WU-M-464

41 deg

Wide

83 %

1.440

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET

Angela series

last update 28/9/2017

WU-M-484

35 deg

Wide

83 %

1.570

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

WU-M-485

39 deg

Wide

83 %

1.430

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PRODUCT DATASHEET
Angela series
last update 28/9/2017

WU-M-486

39 deg

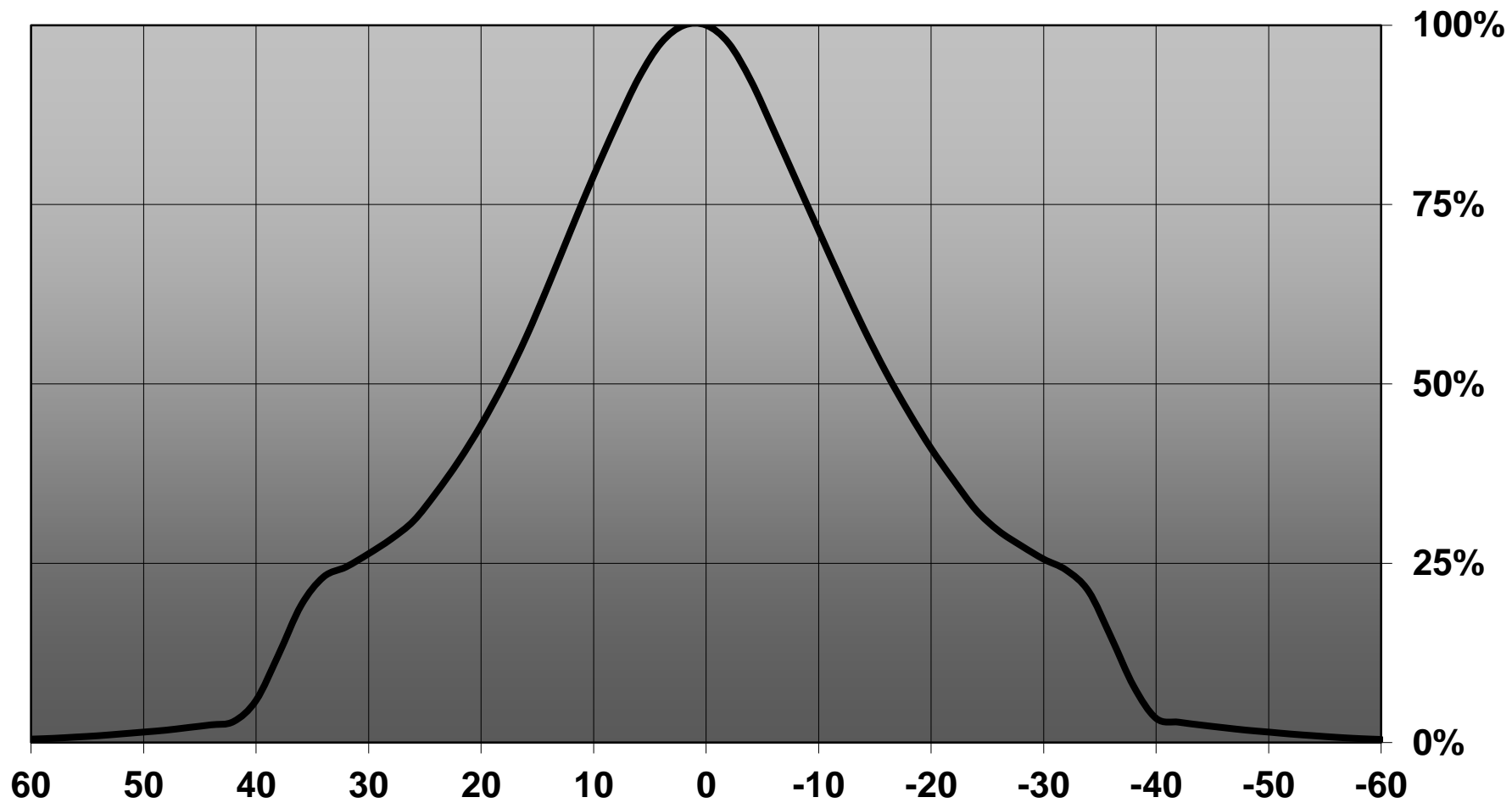
Wide

83 %

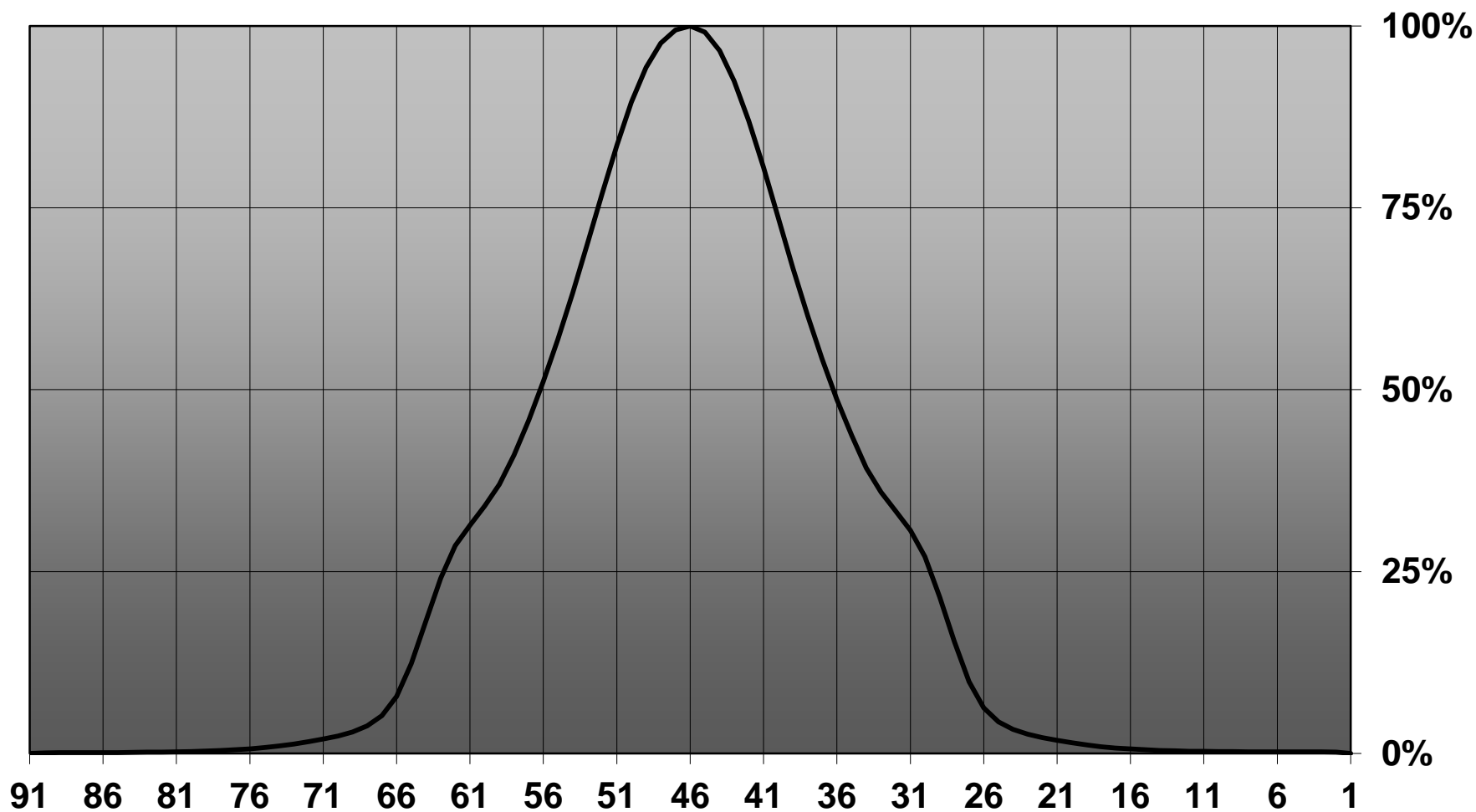
1.430

TE: OPTIC CLIP Z50 TYPE1 2213194-1

Relative intensity of FCN13707_ANGELA-W_(V15)

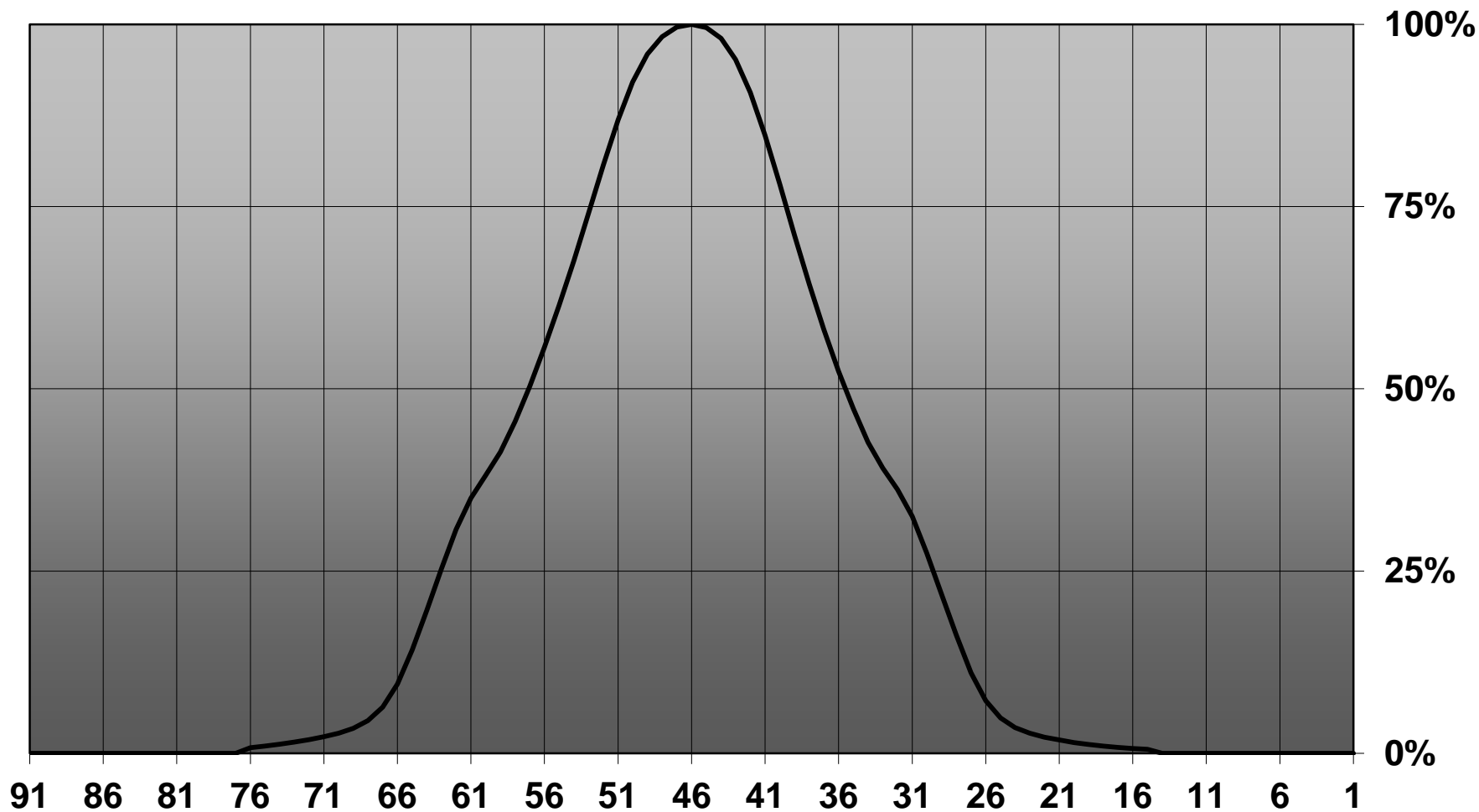


Relative intensity of FCN14818_ANGELA-RZ-W (CHI3030)



— CHI3030 19W

Relative intensity of FCN14818_ANGELA-RZ-W (CHI3030)



— CHI3030 29W

D

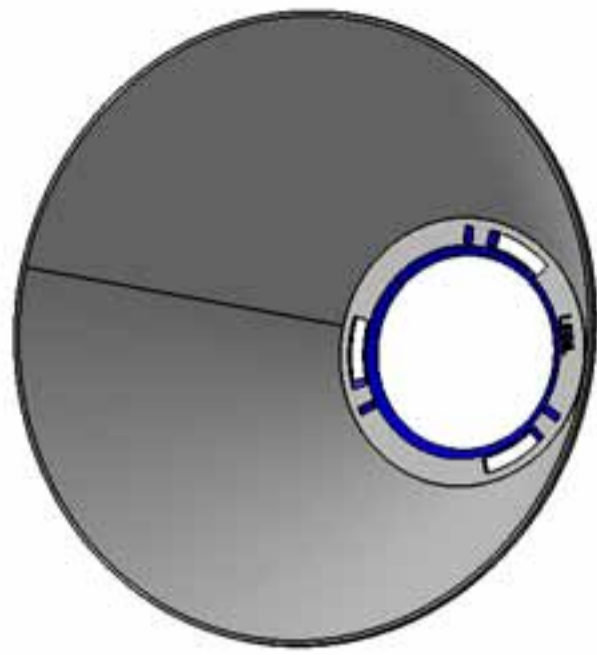
C

B

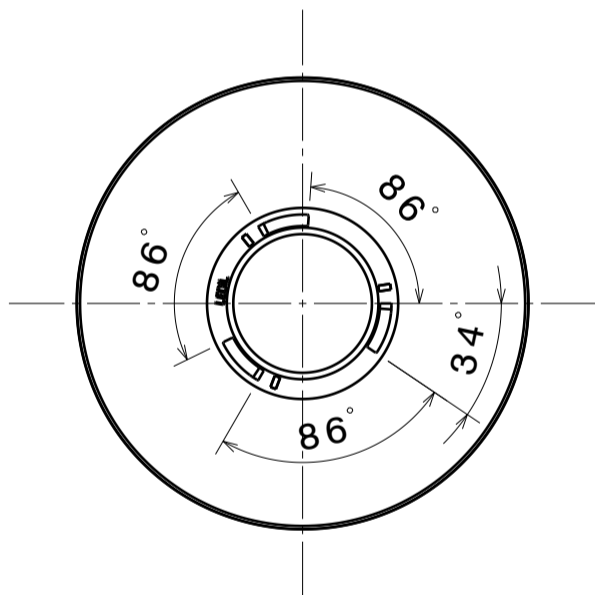
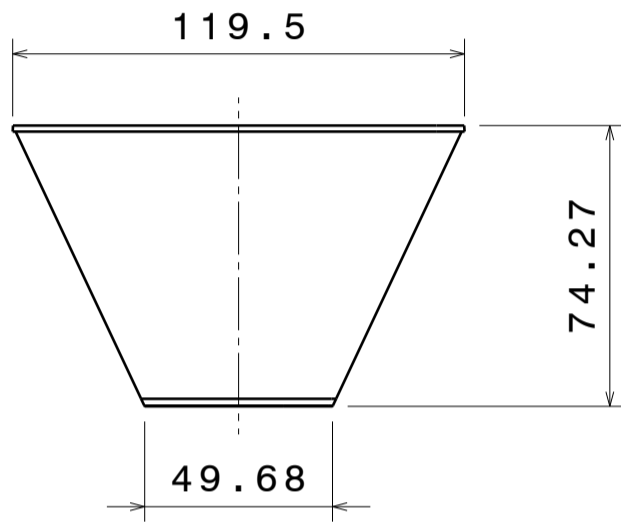
A

8
7
6
5
4
3
2
1

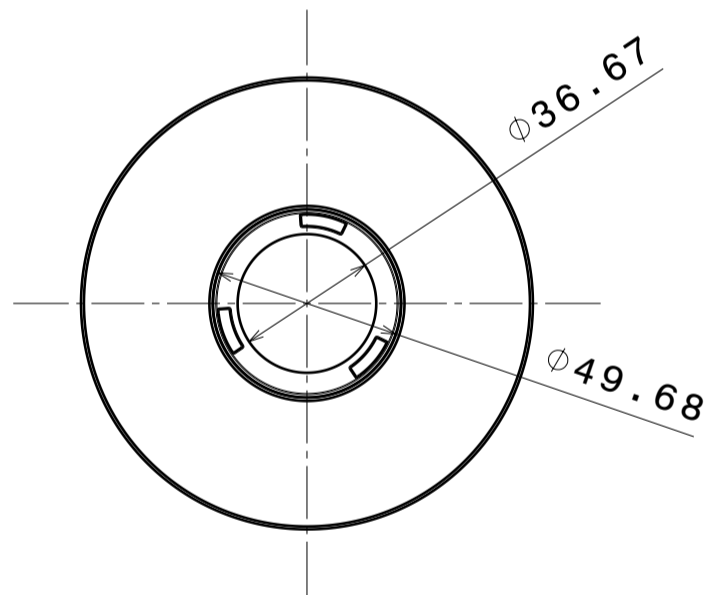
8
7
6
5
4
3
2
1



ISOMETRIC VIEW



TOP VIEW



BOTTOM VIEW

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

THIRD ANGLE PROJECTION:

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

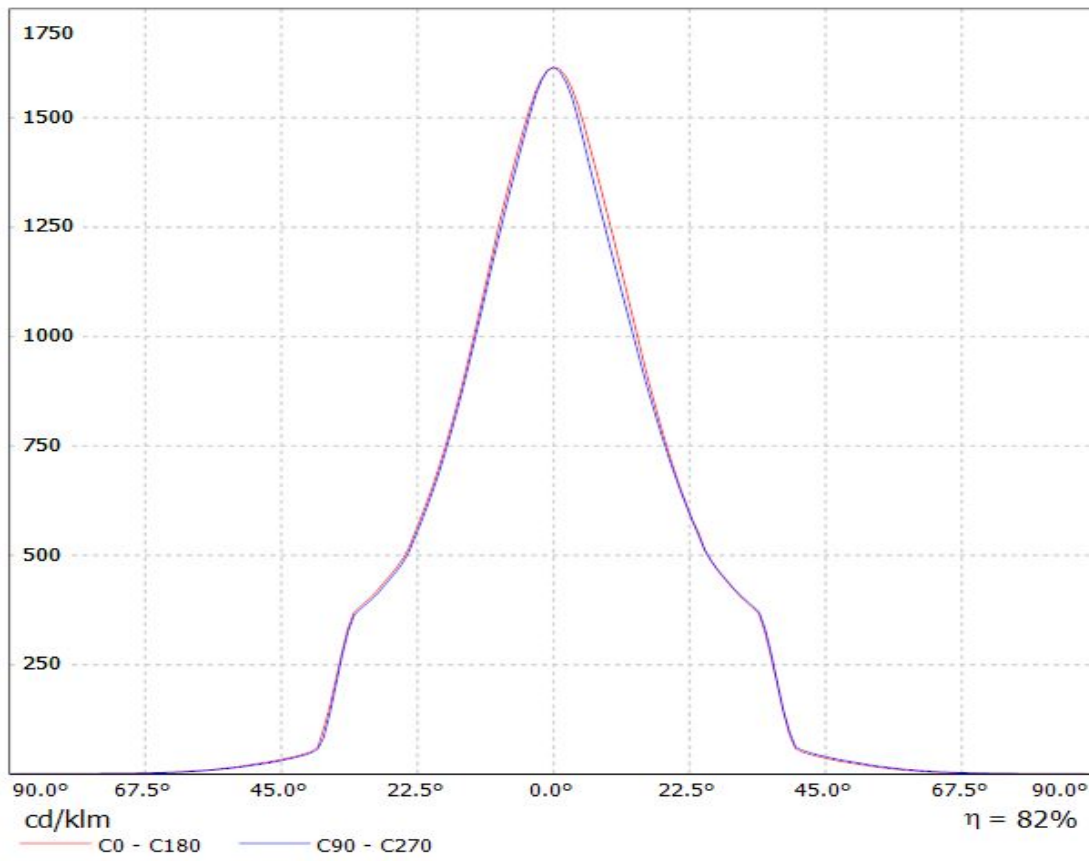
		LediL Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWING TITLE ANGELA_Datasheet			
SIZE	PART NUMBER		
A3	-		
SCALE	1:1	WEIGHT	-
			SHEET 1/1

D

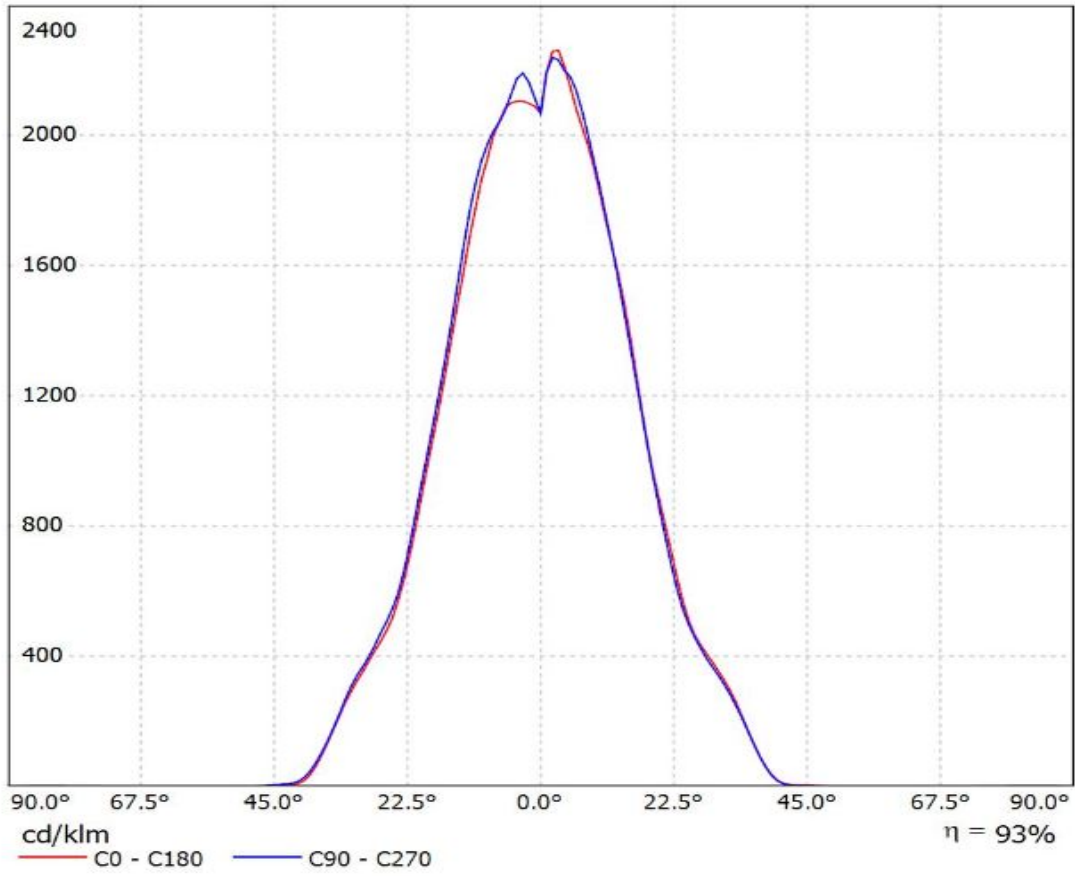
A

Luminaire: LEDiL Oy F13381_ANGELA-W_(V13_Gen7)+TE

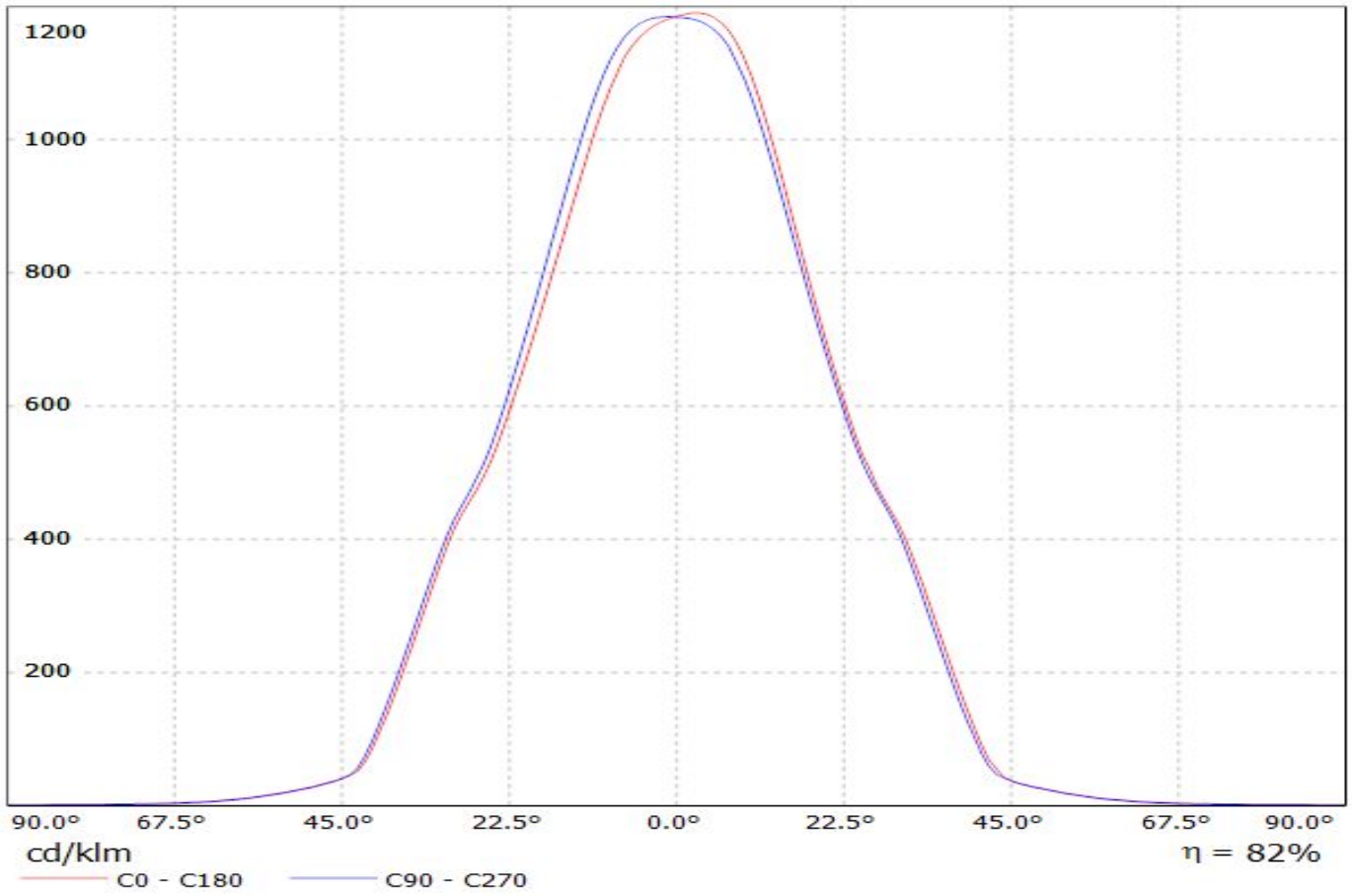
Lamps: 1 x Bridgelux_V13_Gen7_(BXRE-30E2000-B_+TE_2213254-2+TE_2213194-1)_1295.55lm@250mA_P=8.30985W_I=0.25A



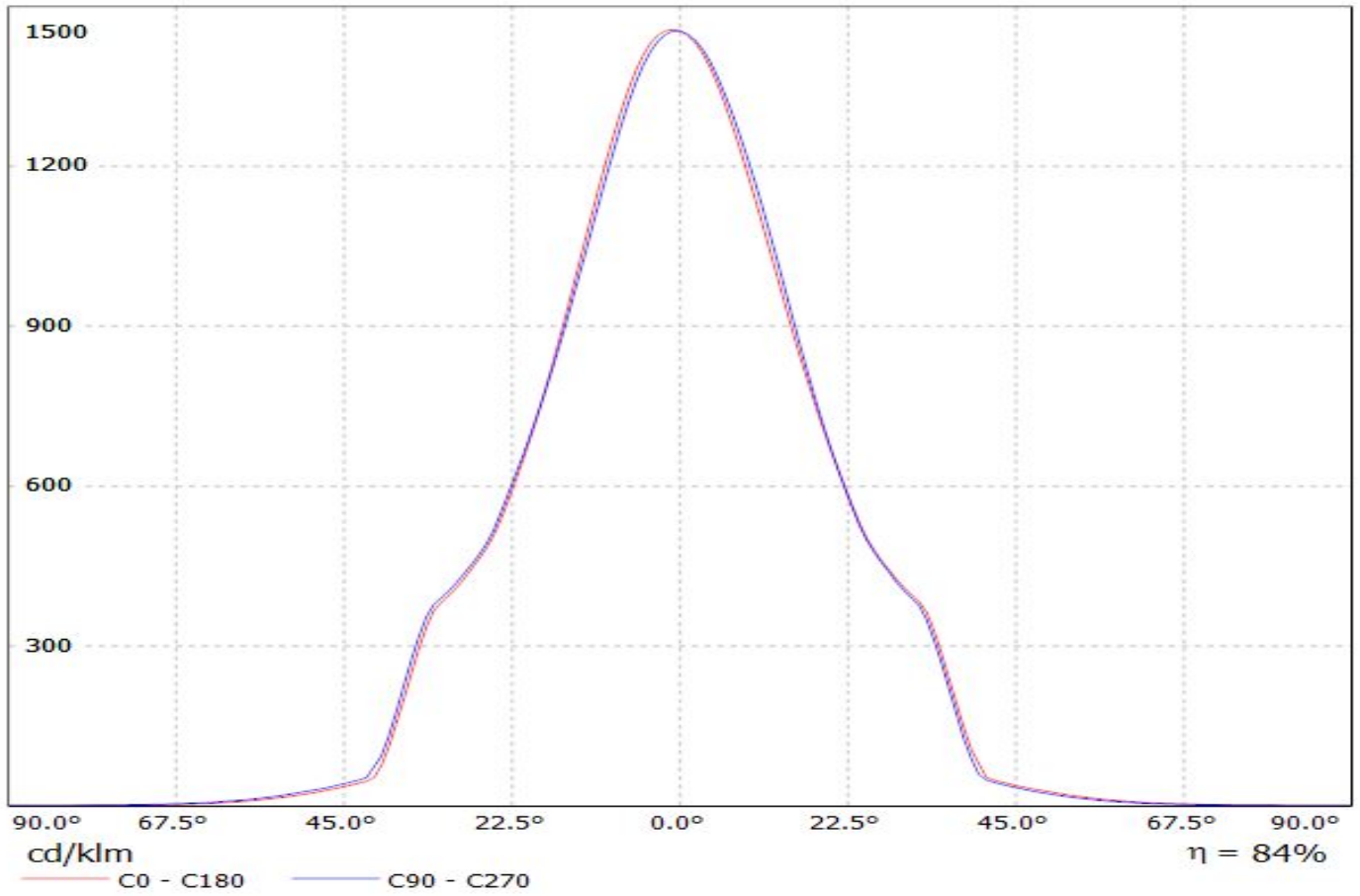
Luminaire: Ledil Oy F13381_ANGELA-W_Bridgelux_V22_Gen7_SIMULATED F13381_ANGELA-W_Bridgelux_V22_Gen7_SIMULATED
Lamps: 1 x F13381_ANGELA-W_Bridgelux_V22_Gen7_SIMULATED



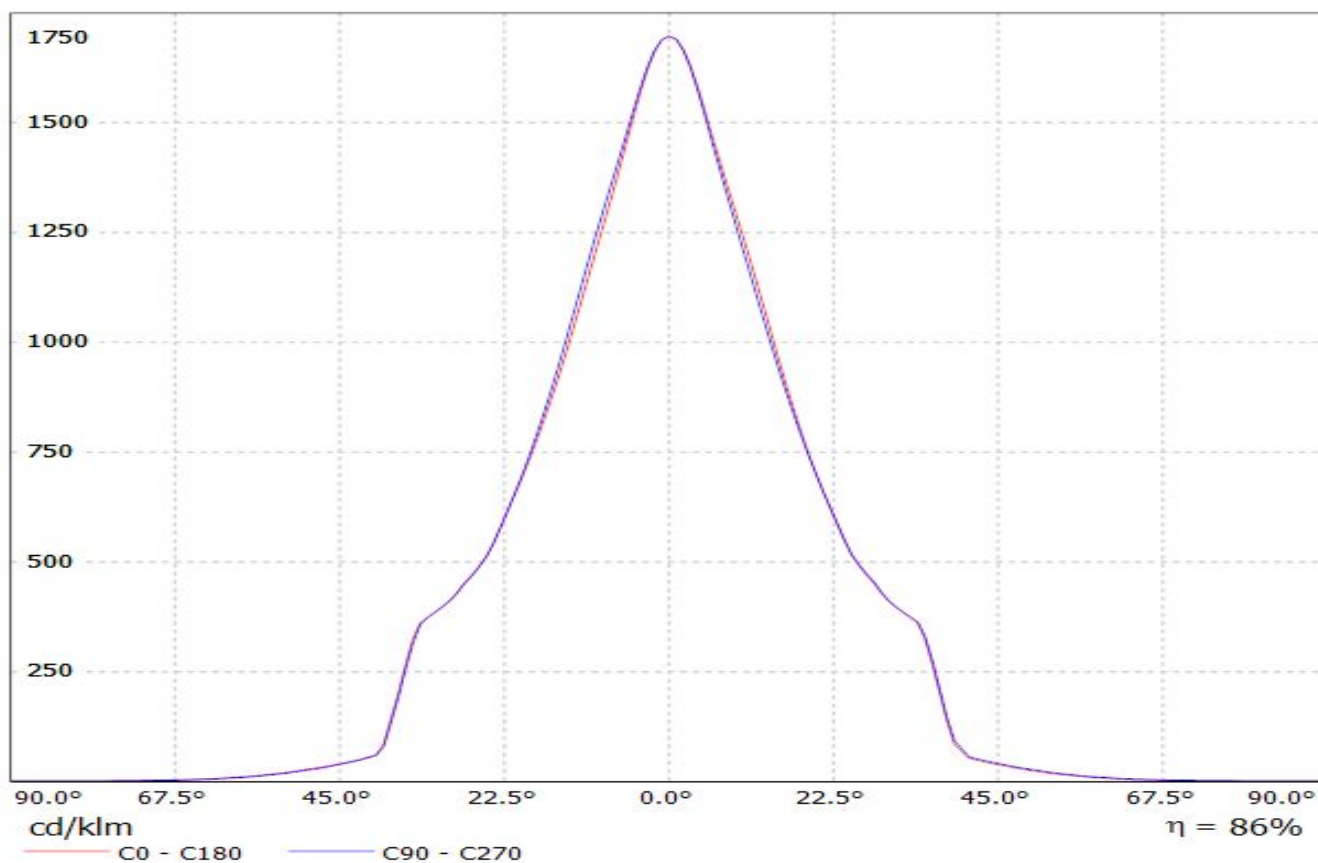
Luminaire: LEDiL Oy FCN13704_ANGELA-W_(VERO29) Eff.82.3%
Lamps: 1 x VERO29_(BXRC-50C10K0-L-04)_1388.09lm@250mA_CCT=1399K_P=8.60286W_I=249.8mA



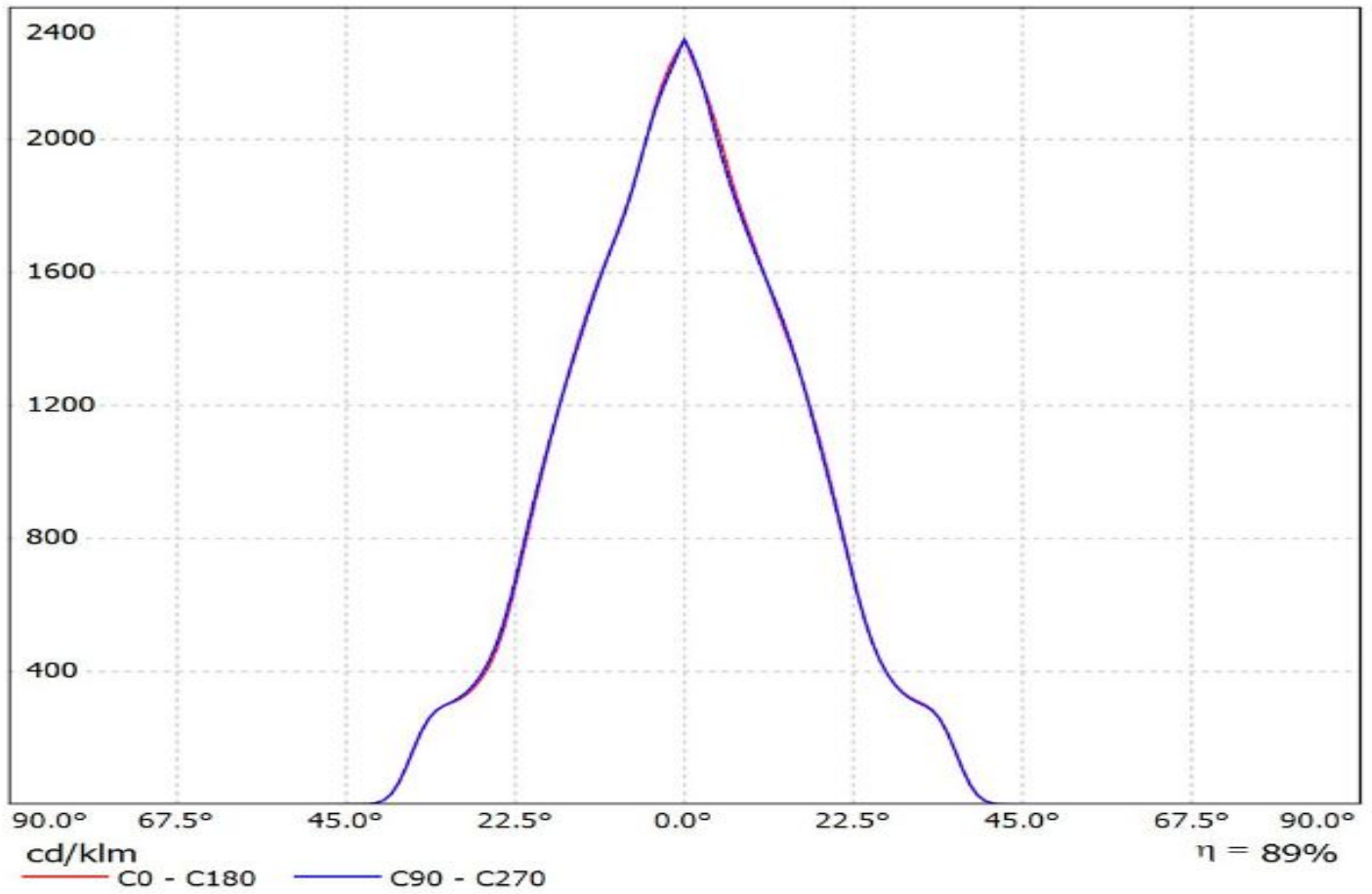
Luminaire: LEDiL Oy FCN13707_ANGELA-W_(Vero18) Eff.83.9%
Lamps: 1 x VERO18_(BXRC30E4000F)_882.261lm@250mA P=6.73161W I=249.8mA



Luminaire: LEDiL Oy FCN13707_ANGELA-W_(VERO13) Eff.86.2%
Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_1065.05lm@250mA_P=7.63813W_I=249.8mA

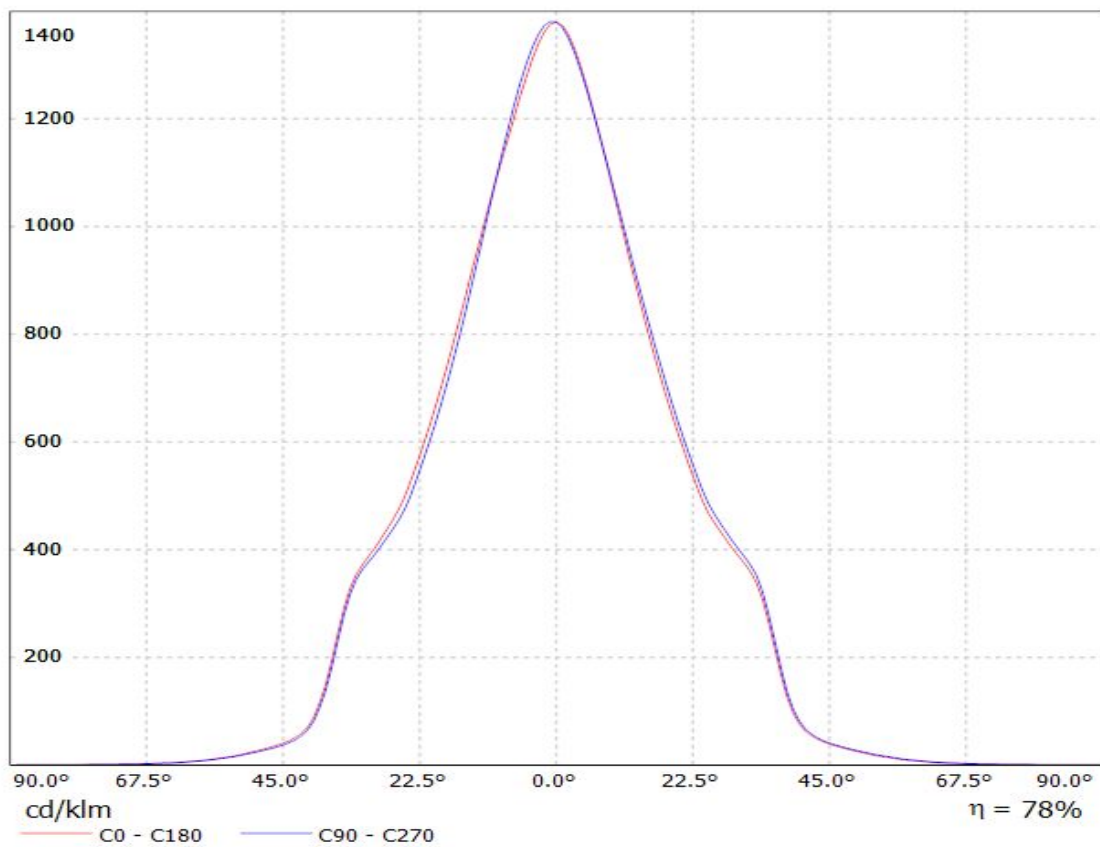


Luminaire: Ledil Oy FCN13707_ANGELA-W+_B+W_434_TypL1_BRIDGELUX_V10_Gen7_SIMULATED
Lamps: 1 x BRIDGELUX V10 Gen7



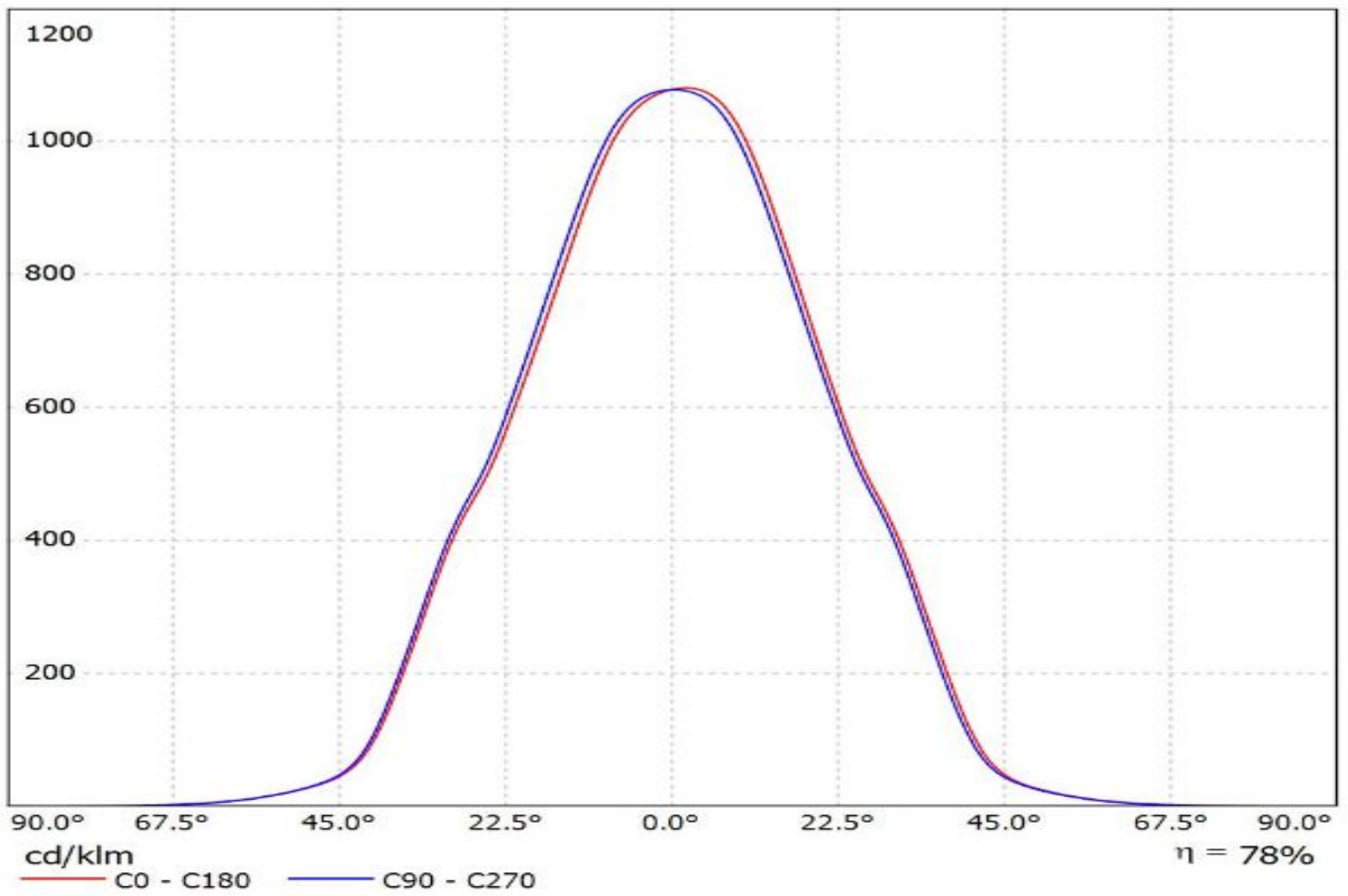
Luminaire: LEDiL Oy FC13993_ANGELA-RZ-W_(V13_Gen7)+TE

Lamps: 1 x Bridgelux_V13_Gen7_(BXRE-30E2000-B_+TE_2213254-2+TE_2213194-1)_1295.55lm@250mA_P=8.30985W_I=0.25A



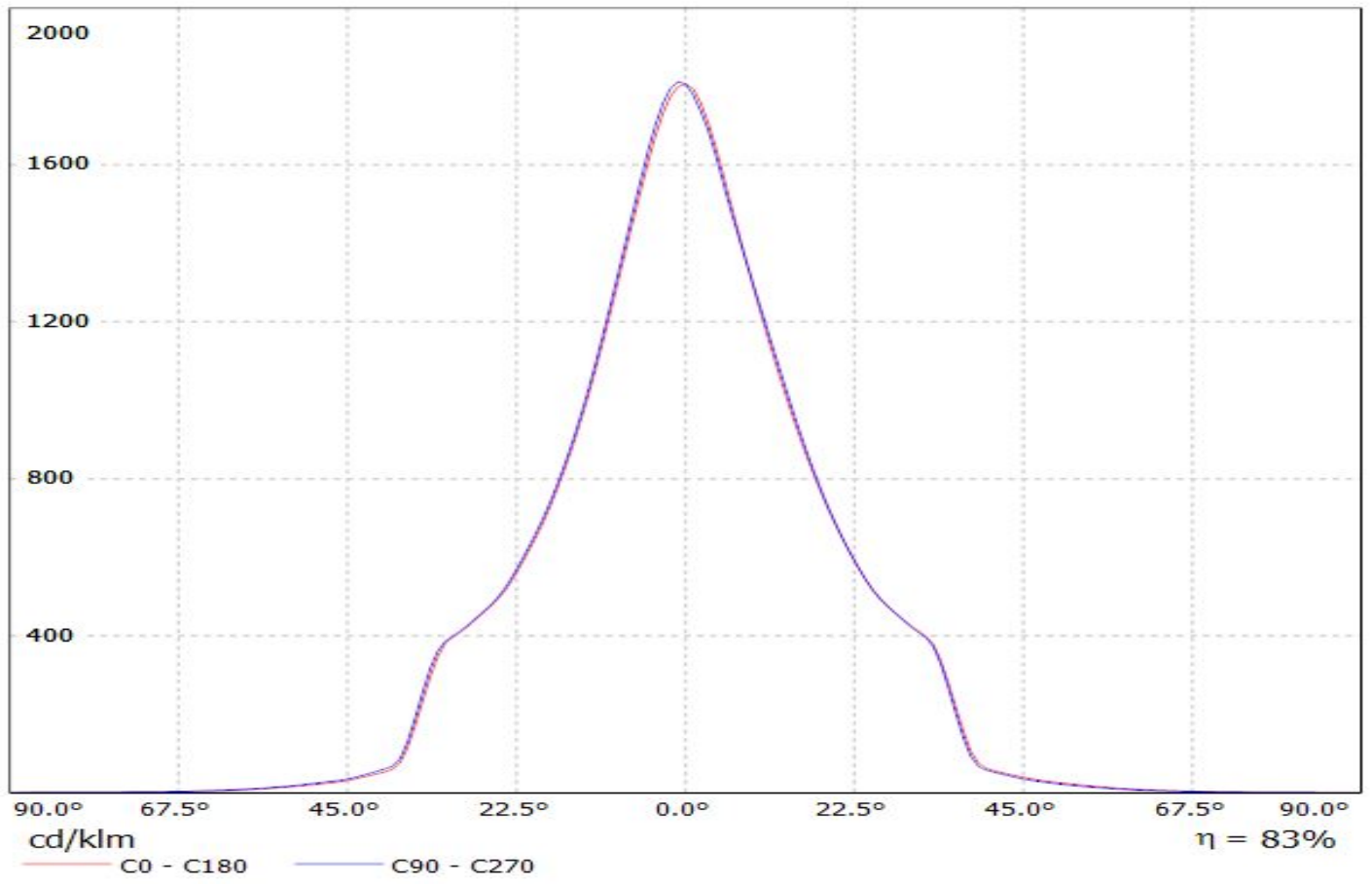
Luminaire: Ledil FCN14818_ANGELA-RZ-W_(Vero29)

Lamps: 1 x Bridgelux_Vero29_(BXRC-50C10K0-L04)_1417.64lm@250mA_CCT=4900K_P=8.7133W_I=0.25A

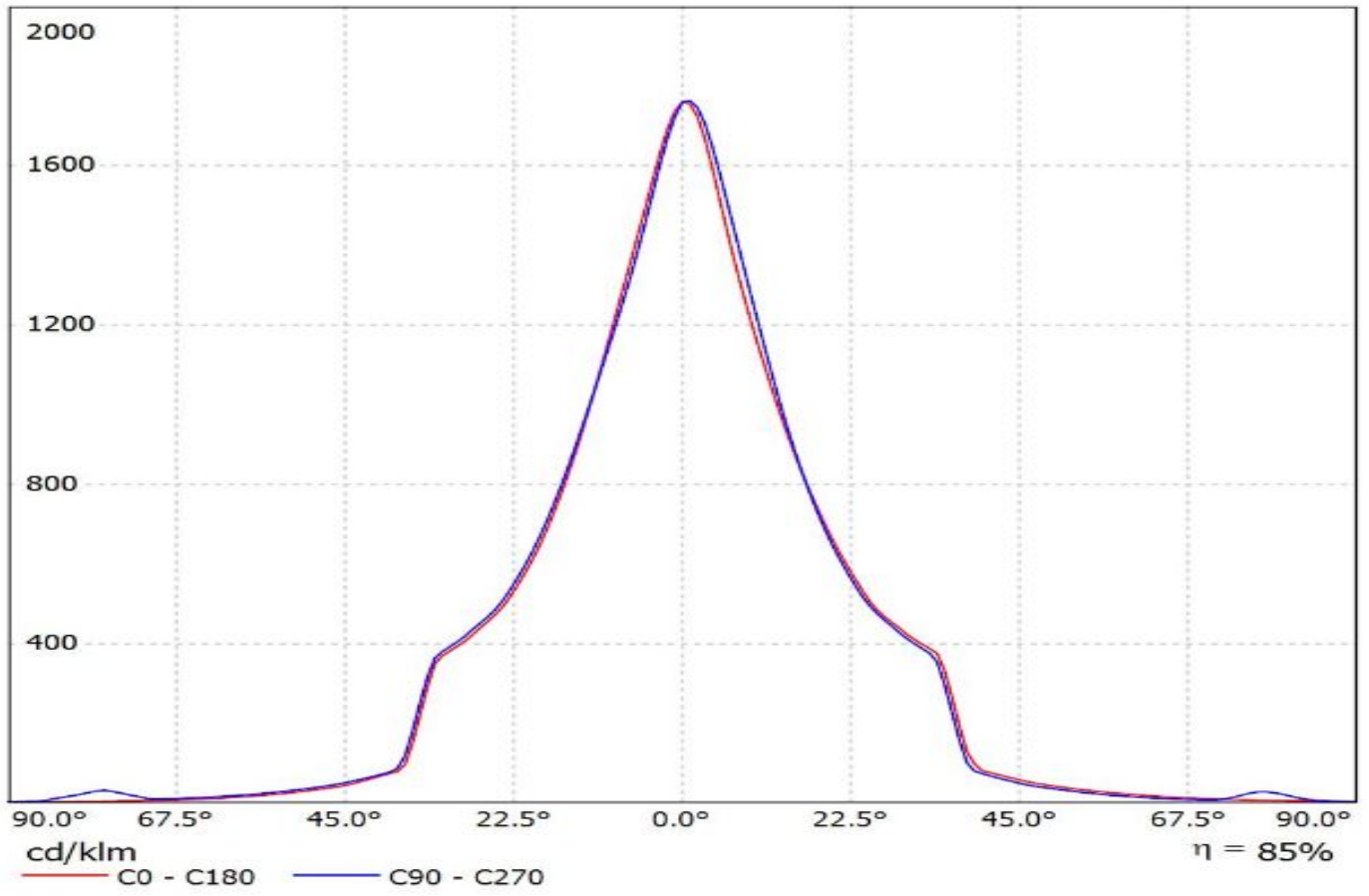


Luminaire: LEDiL Oy F13381_ANGELA-W_(CLL030)

Lamps: 1 x Citizen_CLL030_(CLL030-1206A1-303M1A2)_971.531lm@250mA_P=8.42026W_I=249.8mA

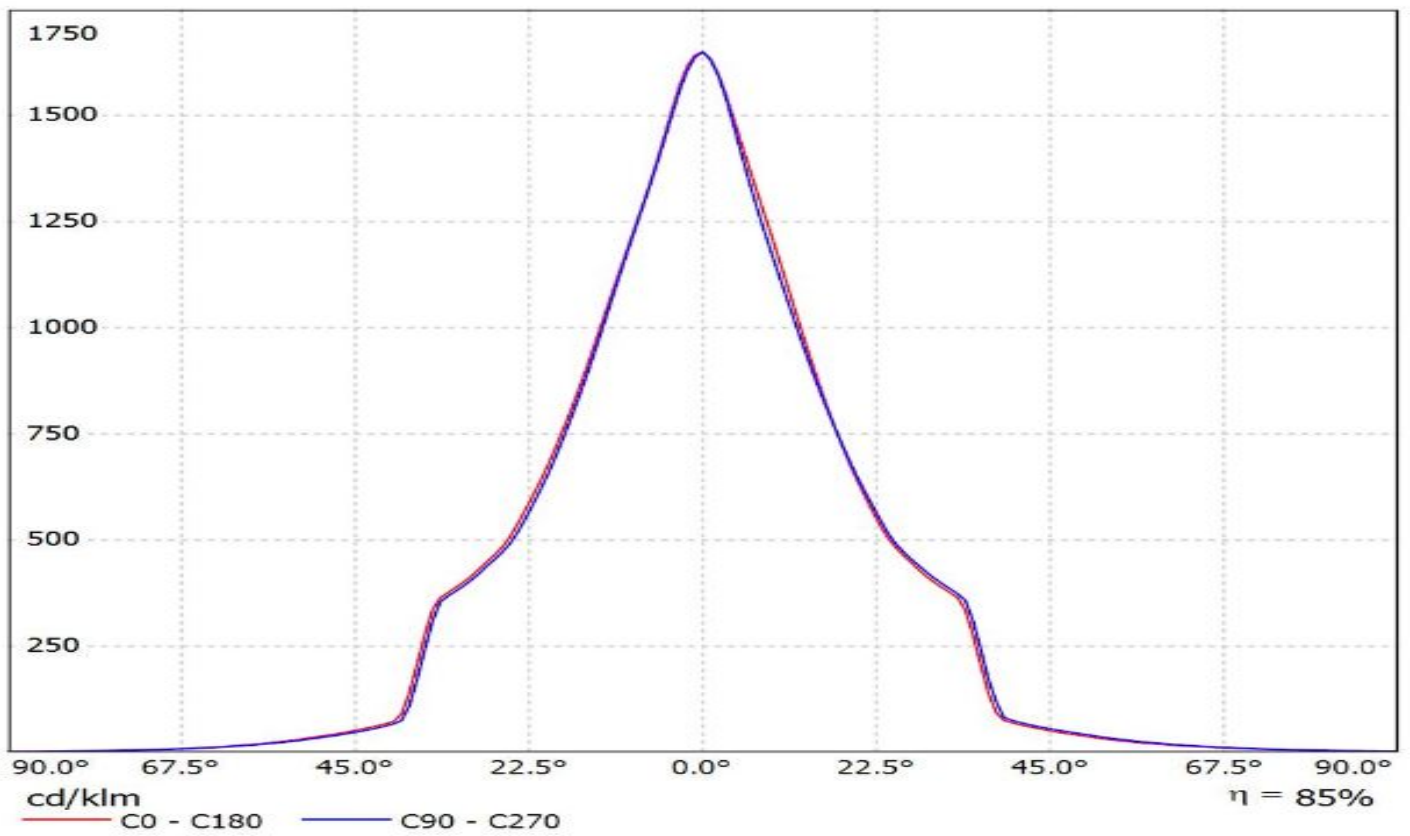


Luminaire: Ledil F13381_ANGELA-W_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1337.27lm@250mA_CCT=2700K_P=8.35W_I=0.25A



Ledil F13381_ANGELA-W_(CLU720) / LDC (Linear)

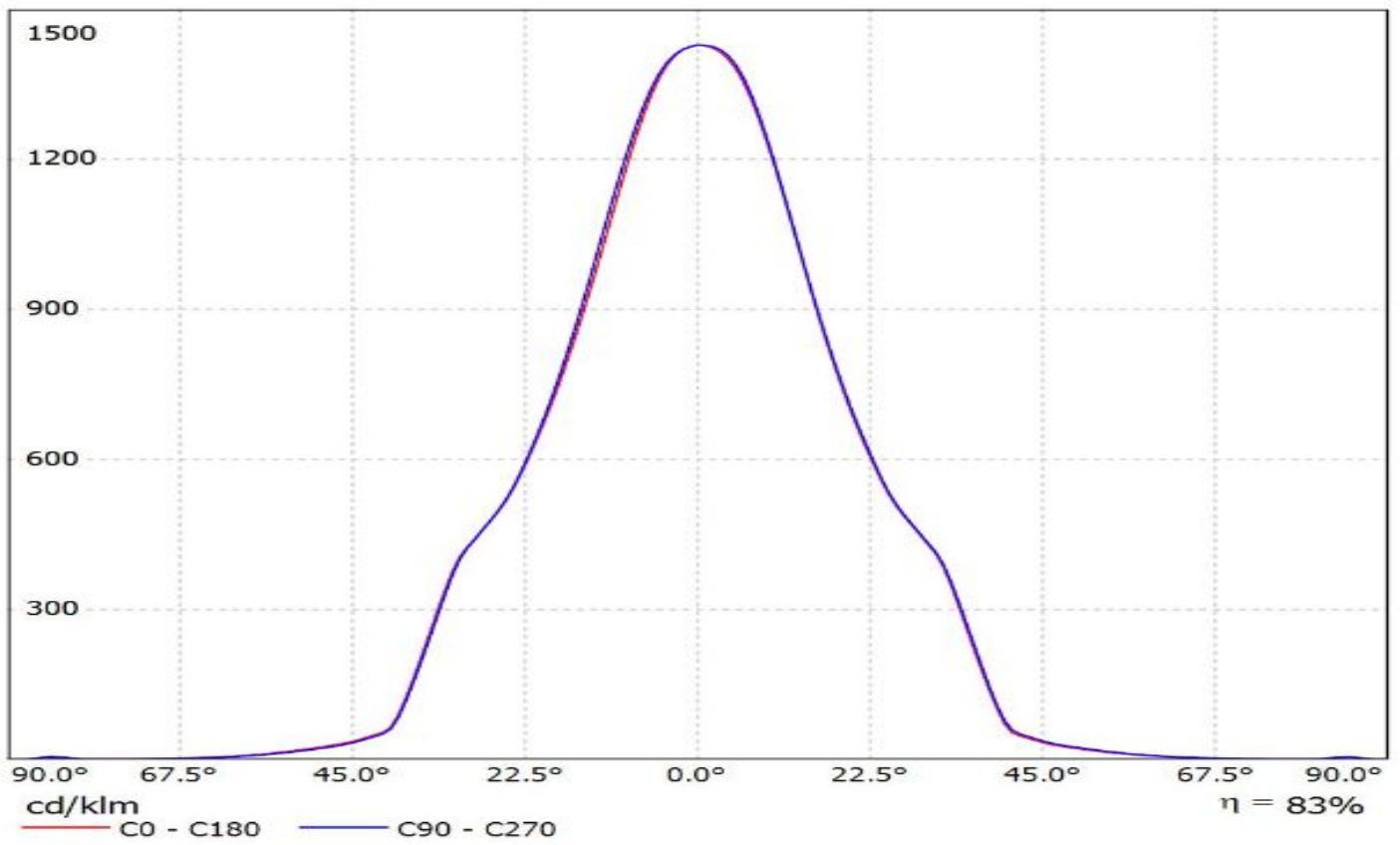
Luminaire: Ledil F13381_ANGELA-W_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1344.79lm@250mA_CCT=2700K_P=8.35W_I=0.25A



Ledil FCN13704_ANGELA-W_(CLU044)_(431_Typ_L3) / LDC (Linear)

Luminaire: Ledil FCN13704_ANGELA-W_(CLU044)_(431_Typ_L3)

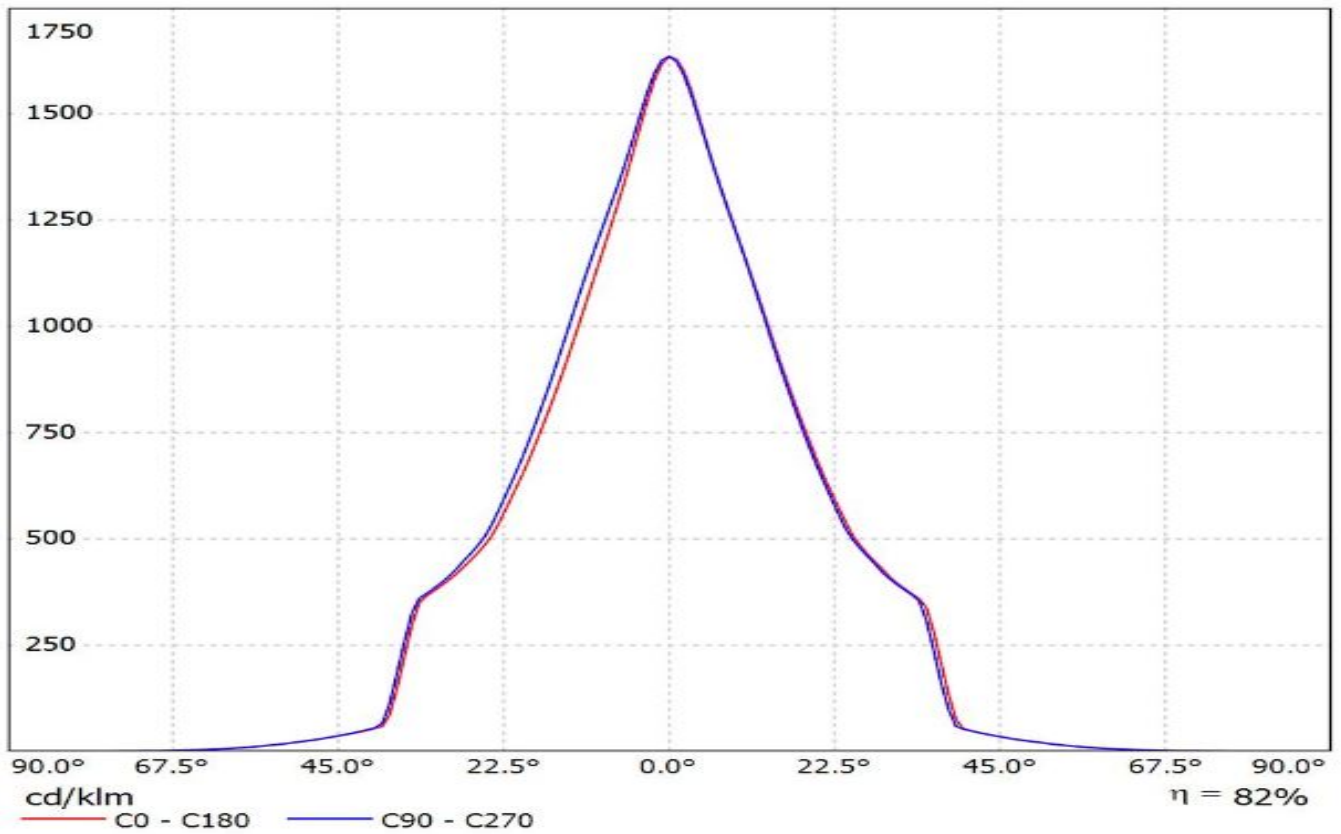
Lamps: 1 x Citizen_CLU044_(CLU044-1212B8-303M1A2)_1272.54lm@250mA_P=8.16W_I=0.25A



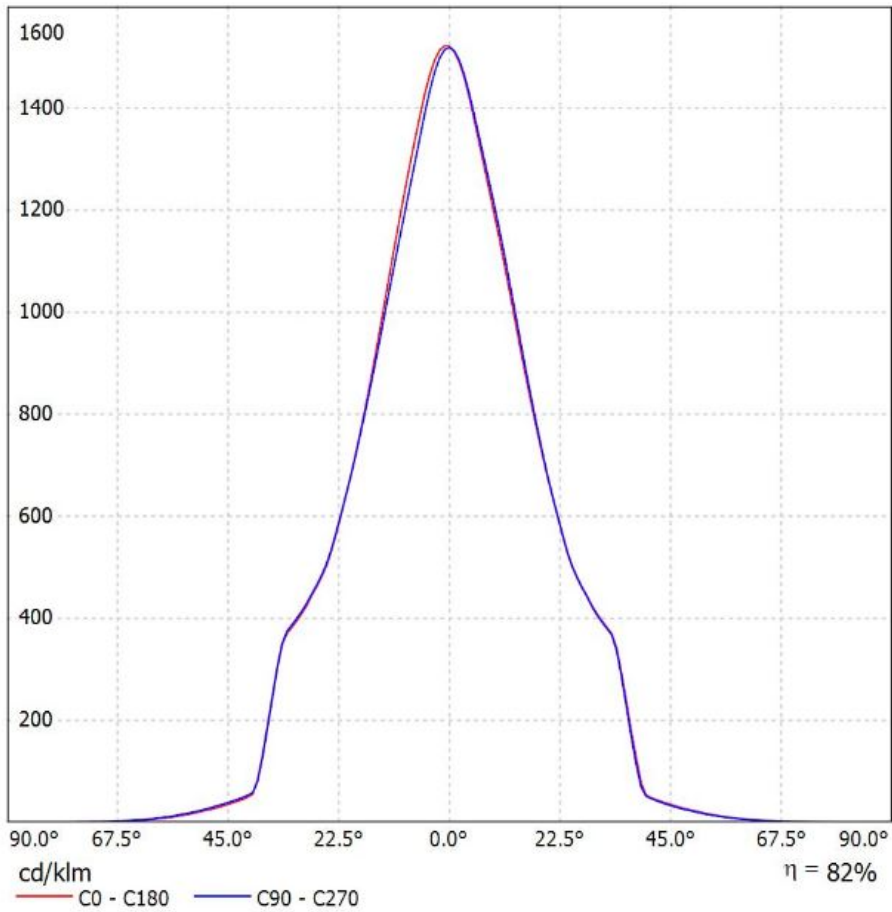
Ledil FCN13707_ANGELA-W_(CLU720)_(433_Typ_L1) / LDC (Linear)

Luminaire: Ledil FCN13707_ANGELA-W_(CLU720)_(433_Typ_L1)

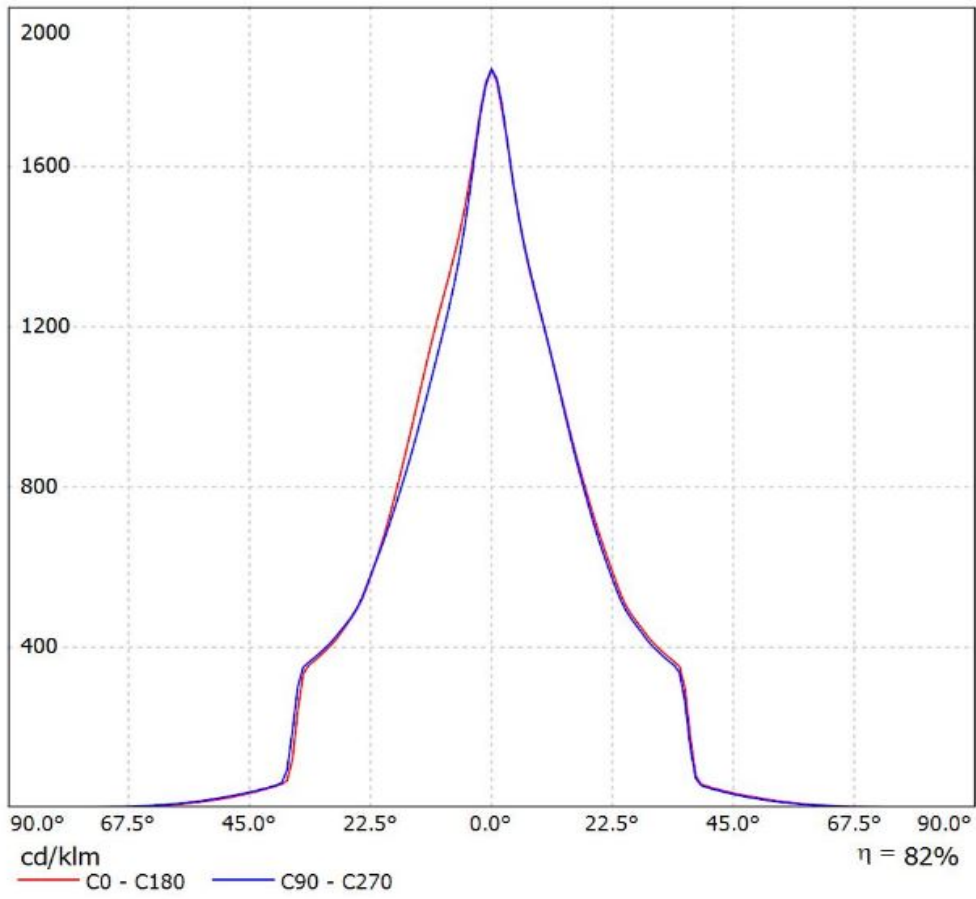
Lamps: 1 x Citizen_CLU720_(CLU720-1206B8-273M2G1)_1225.89lm@250mA_P=8.3W_I=0.25A



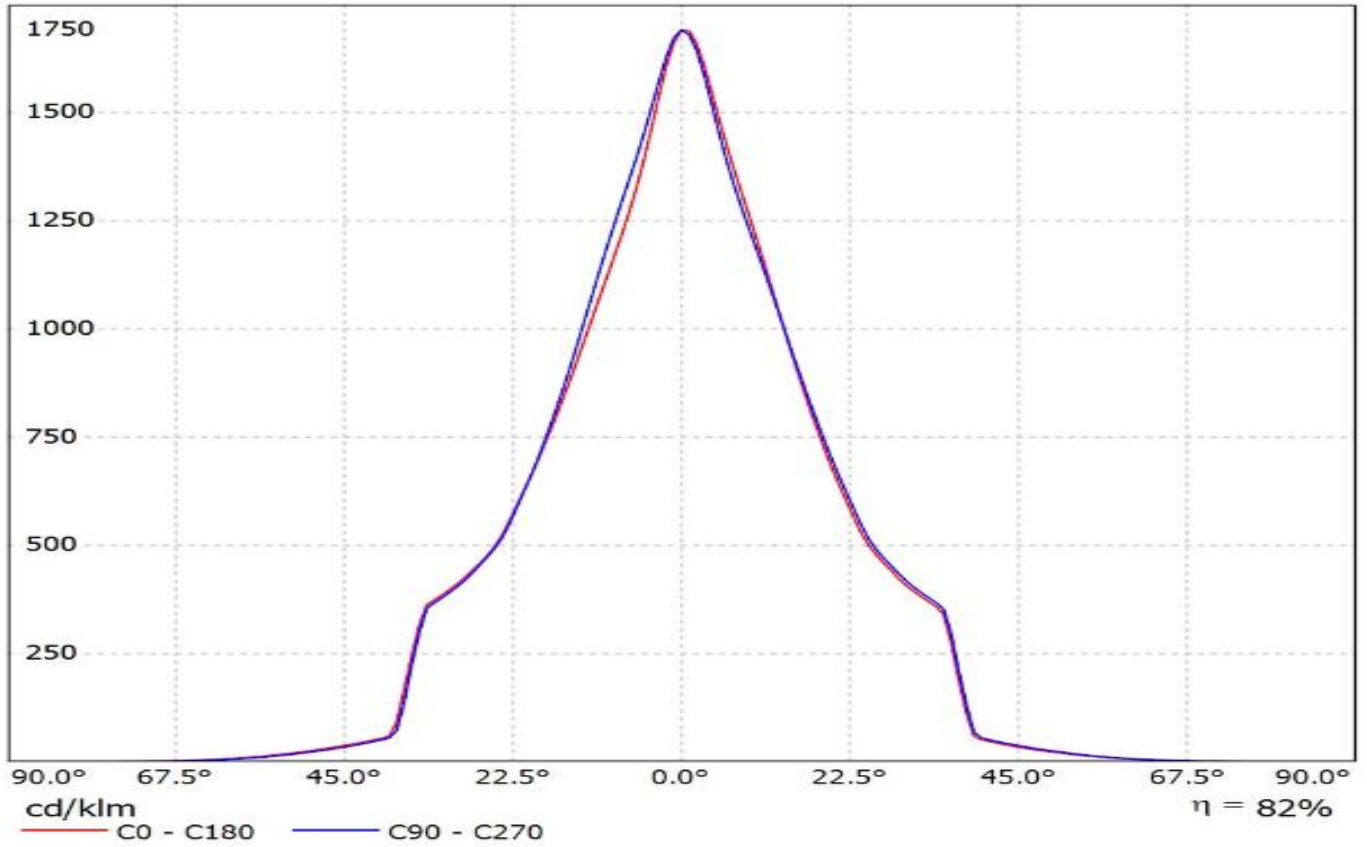
Luminaire: Ledil FCN13707_ANGELA-W_(CLU034)_ (433_Typ_L1)_ (C13658) Citizen_CLU034_(CLU034-1205B8-303M1A2)_1180.79lm@250mA_P=8.50075W_I=0.25A
Lamps: 1 x Citizen_CLU034_(433_Typ_L1)_ (C13658)_1173.16lm@250mA_P=8.475W_I=0.25A



Luminaire: Ledil FCN13707_ANGELA-W_(CLU700)_ (434_Typ_L1) Citizen_CLU700_(CLU700-1002B8-273M2G1)_390.128lm@100mA_P=3W_I=0.10A
Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_388.036lm@100mA_P=3W_I=0.10A

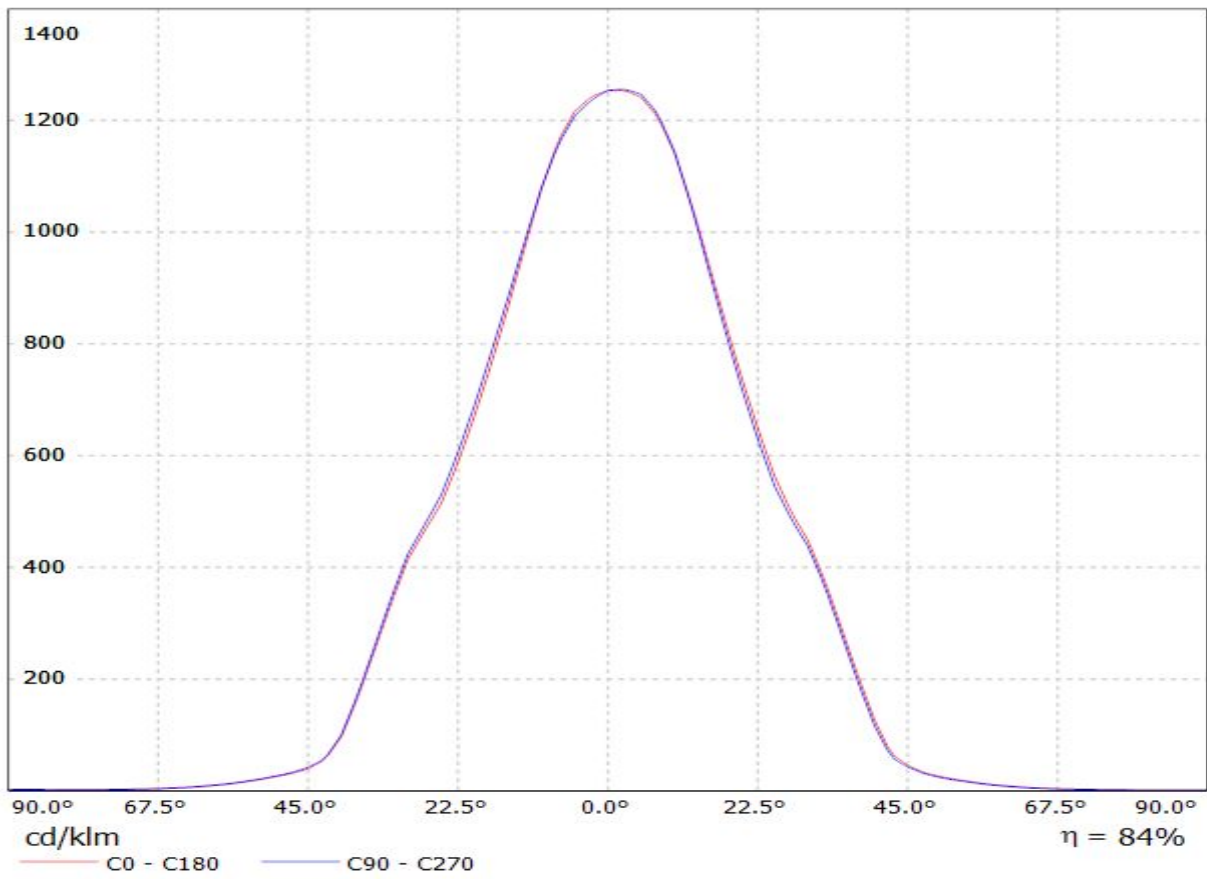


Luminaire: Ledil FCN13707_ANGELA-W_(CLU024)_ (433_Typ_L1) Citizen_CLU024_(433_Typ_L1)_
(C13658_CLAMP-VERO13-18)_1071.07lm@250mA_P=8.43W_I=0.25A
Lamps: 1 x Citizen_CLU024_(433_Typ_L1)_ (C13658_CLAMP-VERO13-18)
_1071.07lm@250mA_P=8.43W_I=0.25A

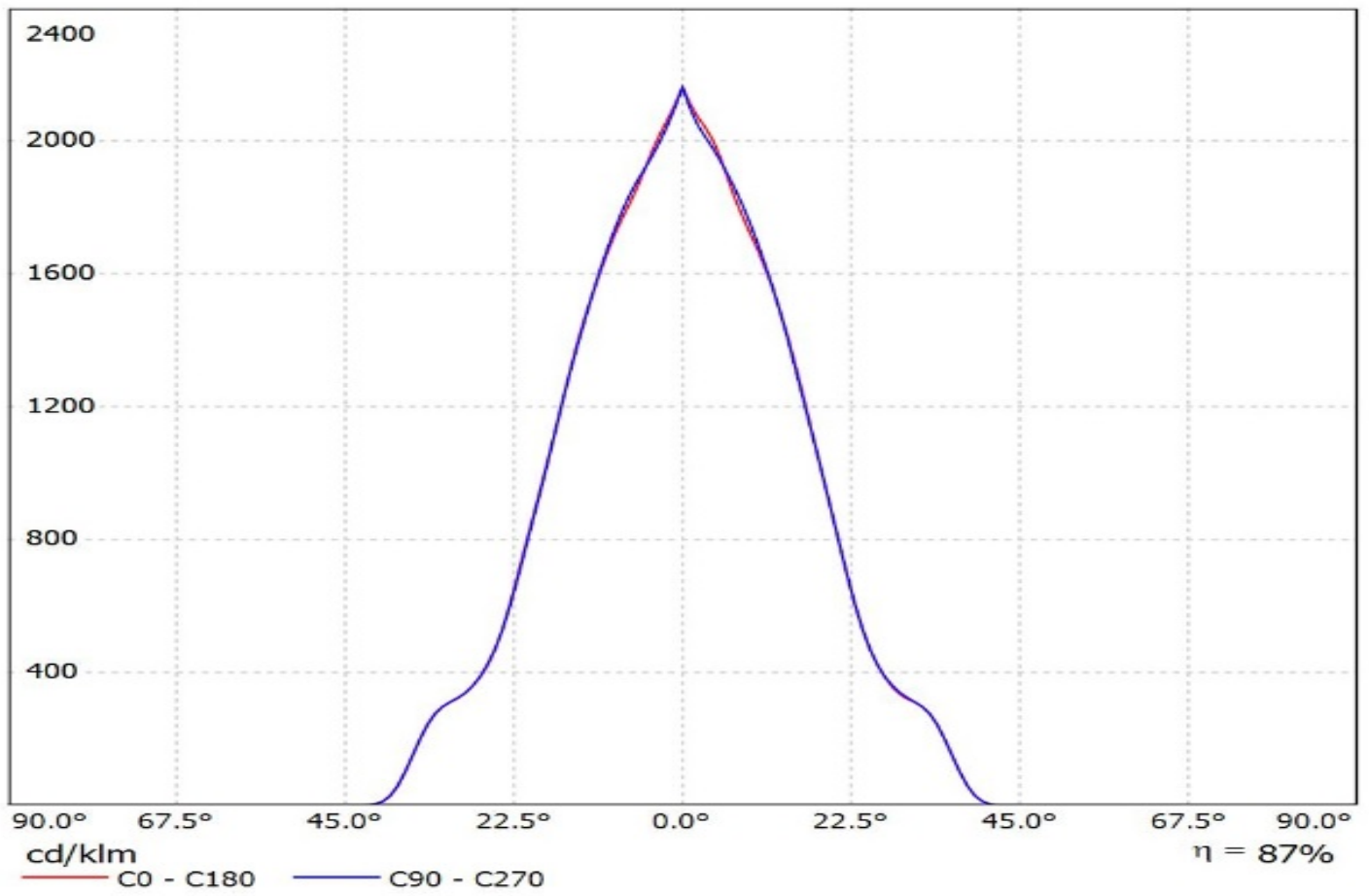


Luminaire: LEDiL Oy F13381_ANGELA-W_(CXA3590)

Lamps: 1 x CREE_CXA3590_(CXA3590-30F-BD-R0H-0002)_2640.14lm@250mA_CCT=3000K_P=16.3941W_I=249.8mA

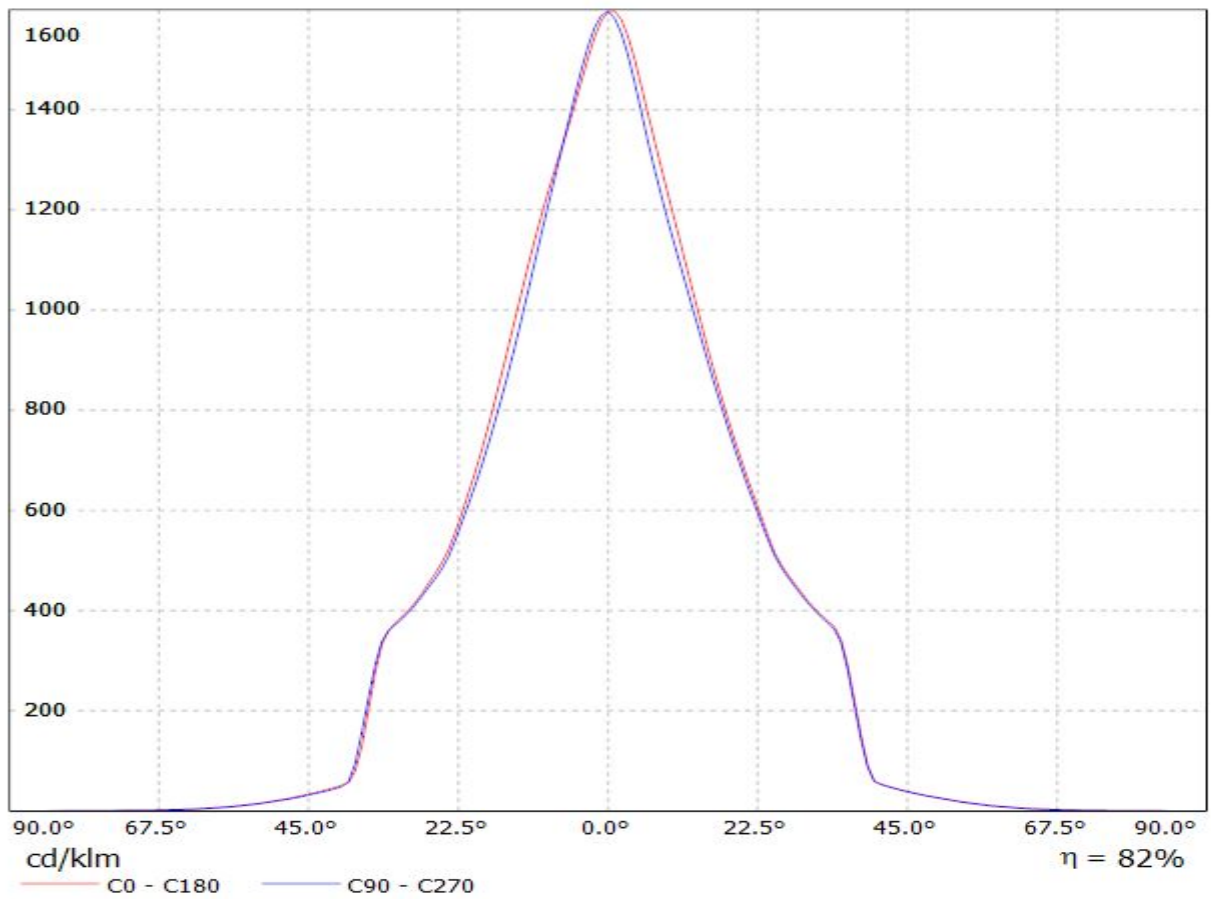


Luminaire: Ledil Oy F13381_ANGELA-W_(CXB1830)_(TE_2213401-2+TE_2213194-1)_SIMULATED
Lamps: 1 x Cree CXB1830 + Tyco Electronics 2213401-2 + TE 2213194-1



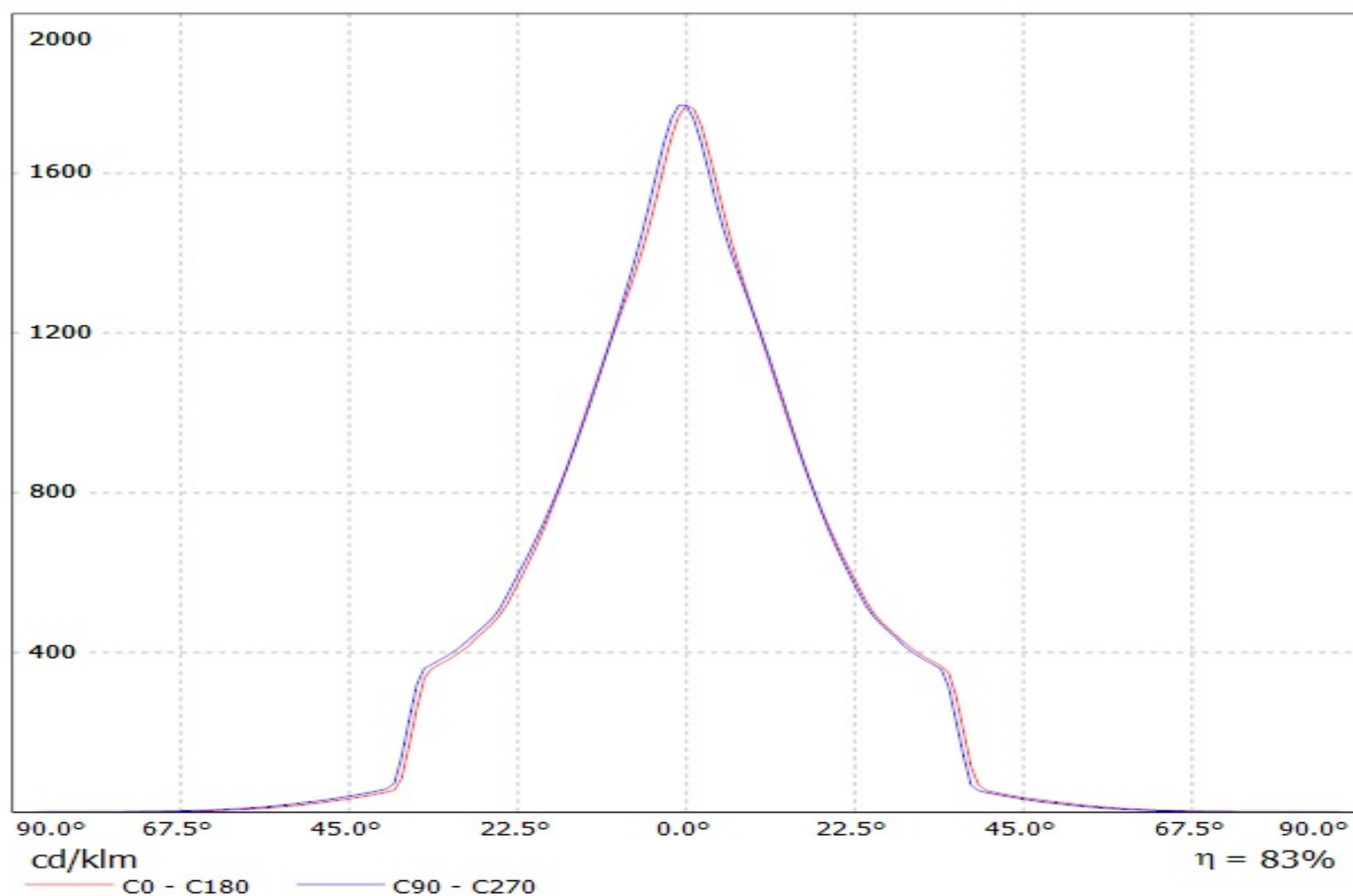
Luminaire: Ledil FCN13707_ANGELA-W_(CXA1850)

Lamps: 1 x CREE_CXA1850_(CXA1850-30F-T4-N0Y-00001)_831.914lm@250mA_CCT=3000K_P=8.27W_I=0.25A

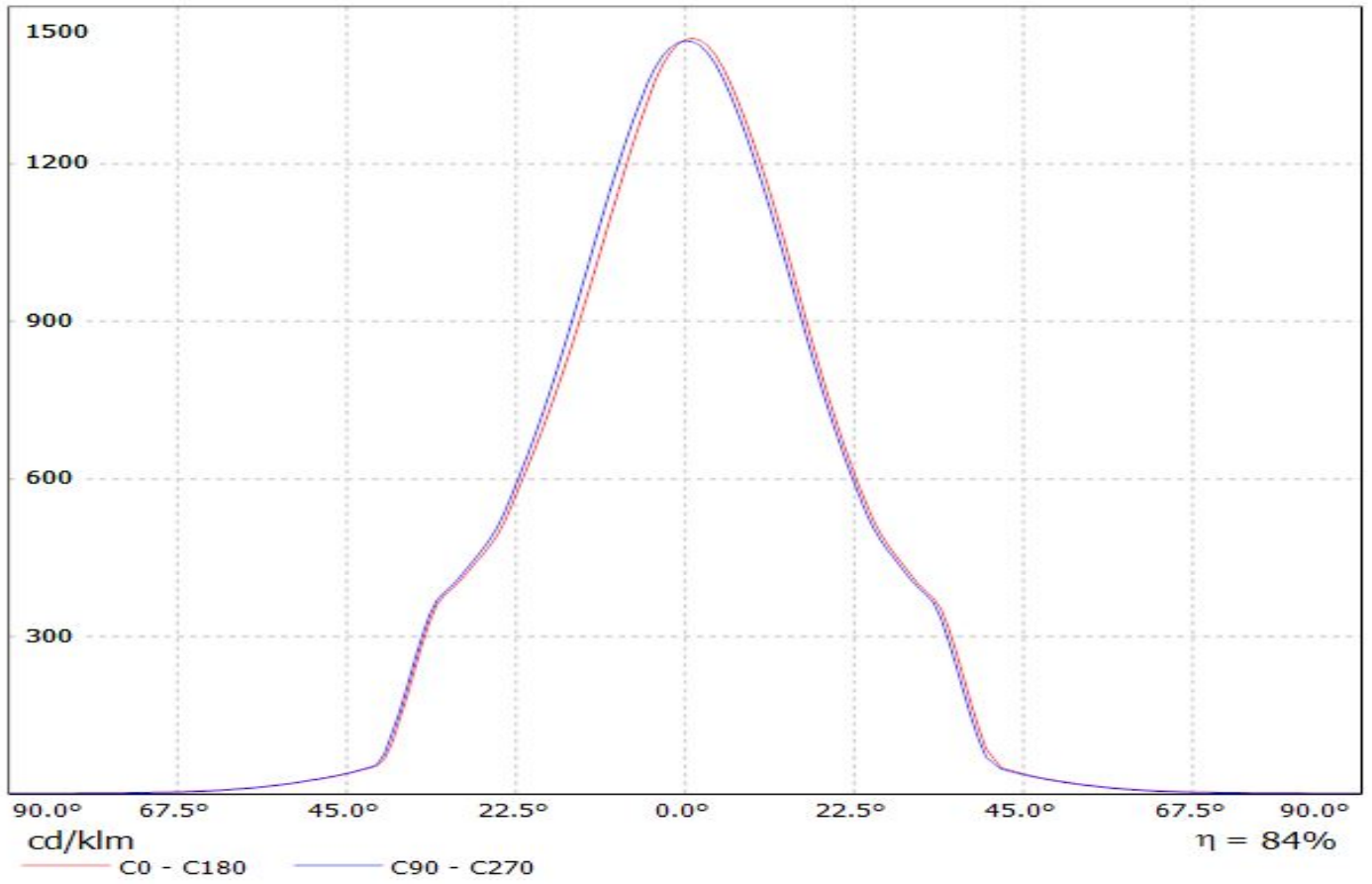


Luminaire: LEDiL Oy FCN13707_ANGELA-W_(CXA1520)_ (441_Typ_L1)

Lamps: 1 x Cree_CXA1520_(CXA1520-30F-N4-00H-00001)_993.209lm@250mA_P=8.74575W_I=0.2499A

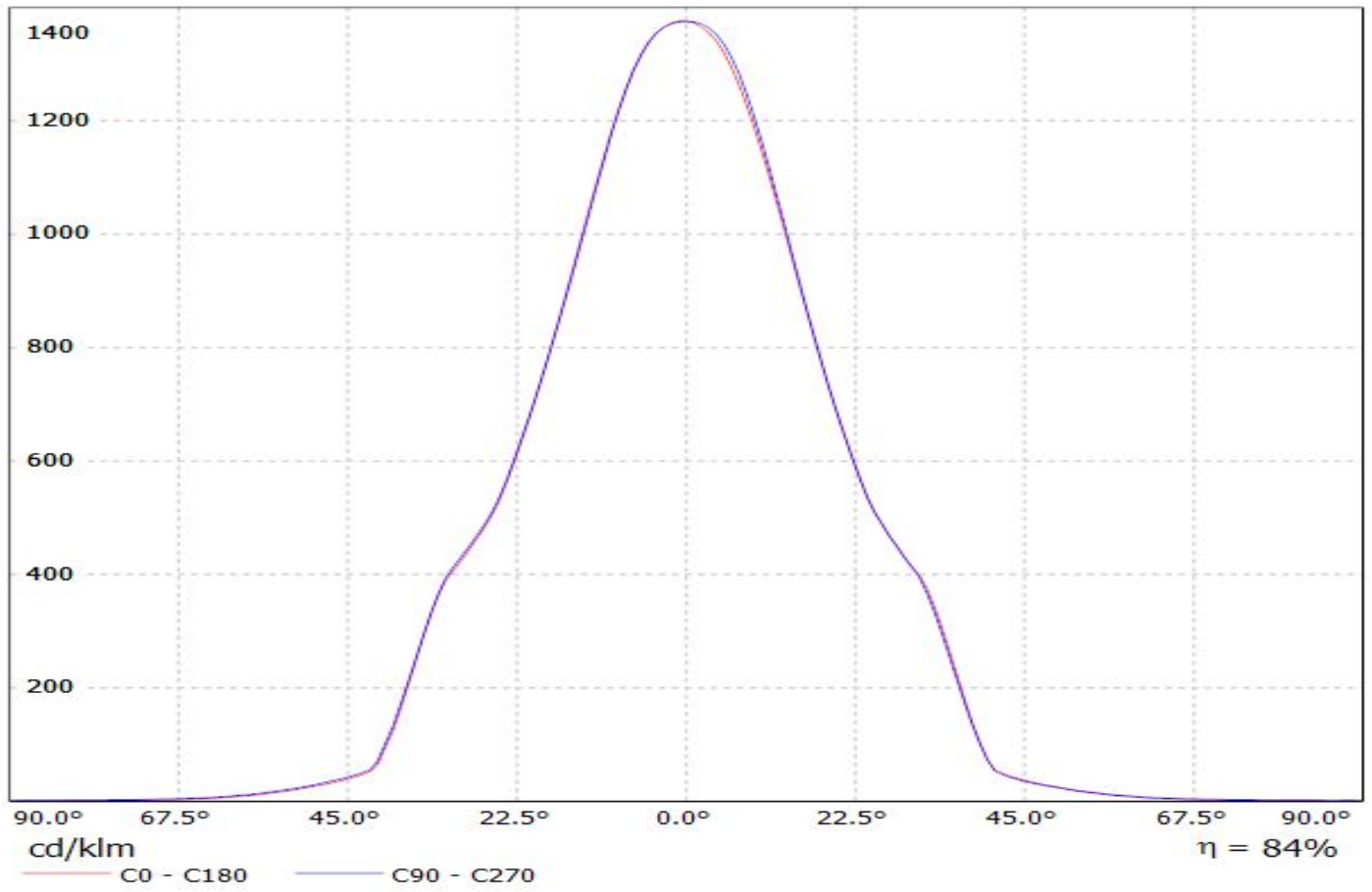


Luminaire: LEDiL Oy FCN14378_ANGELA-W_(CXA25) Eff.83.6%
Lamps: 1 x CREE_CXA25_(CXA2430-7C0-T2-N0H)
_1176.87lm@250mA_CCT=3000K_P=8.4851W_I=249.9mA

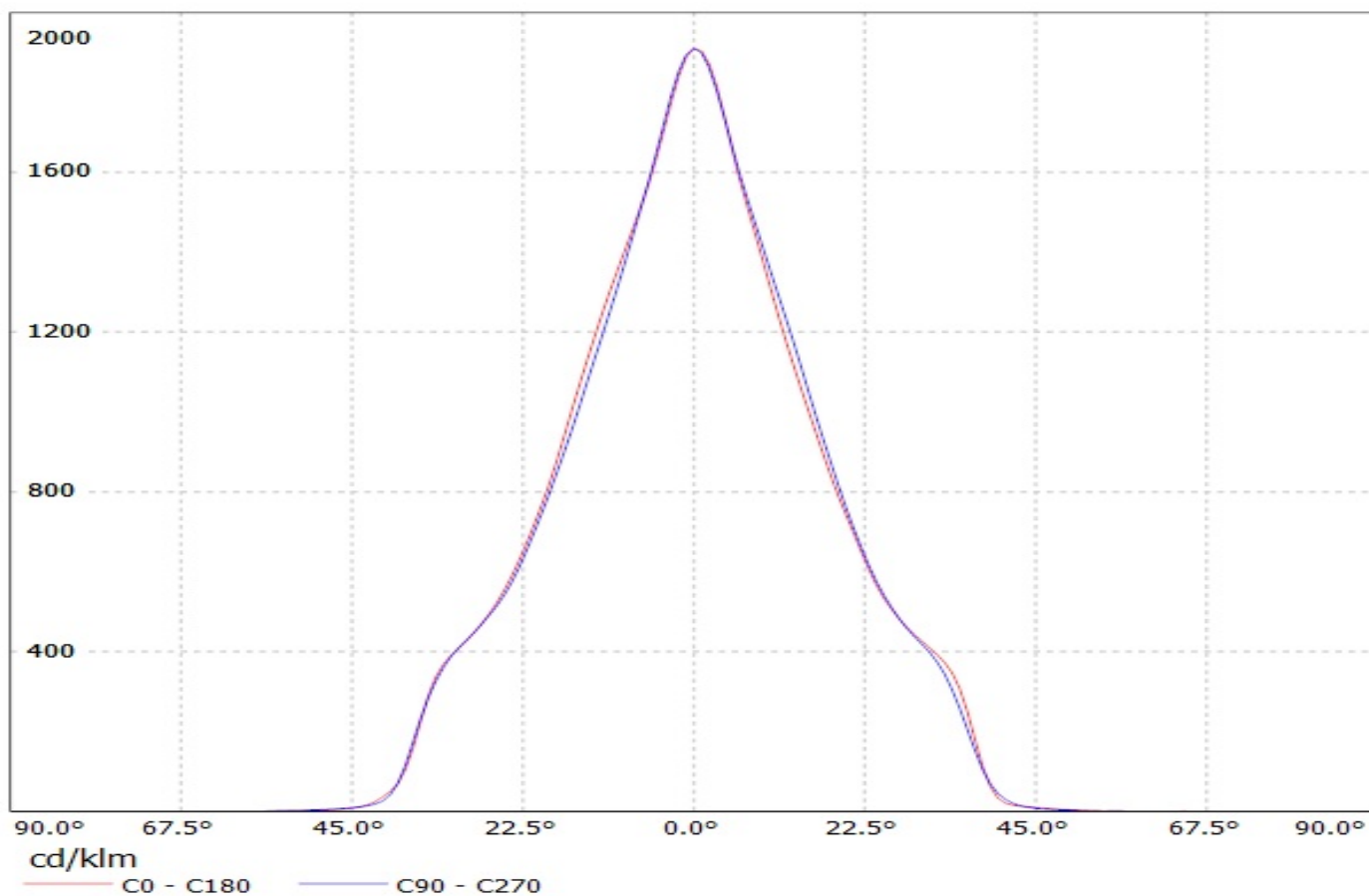


Luminaire: LEDiL Oy FCN14378_ANGELA-W_(CXA30) Eff.84.1%

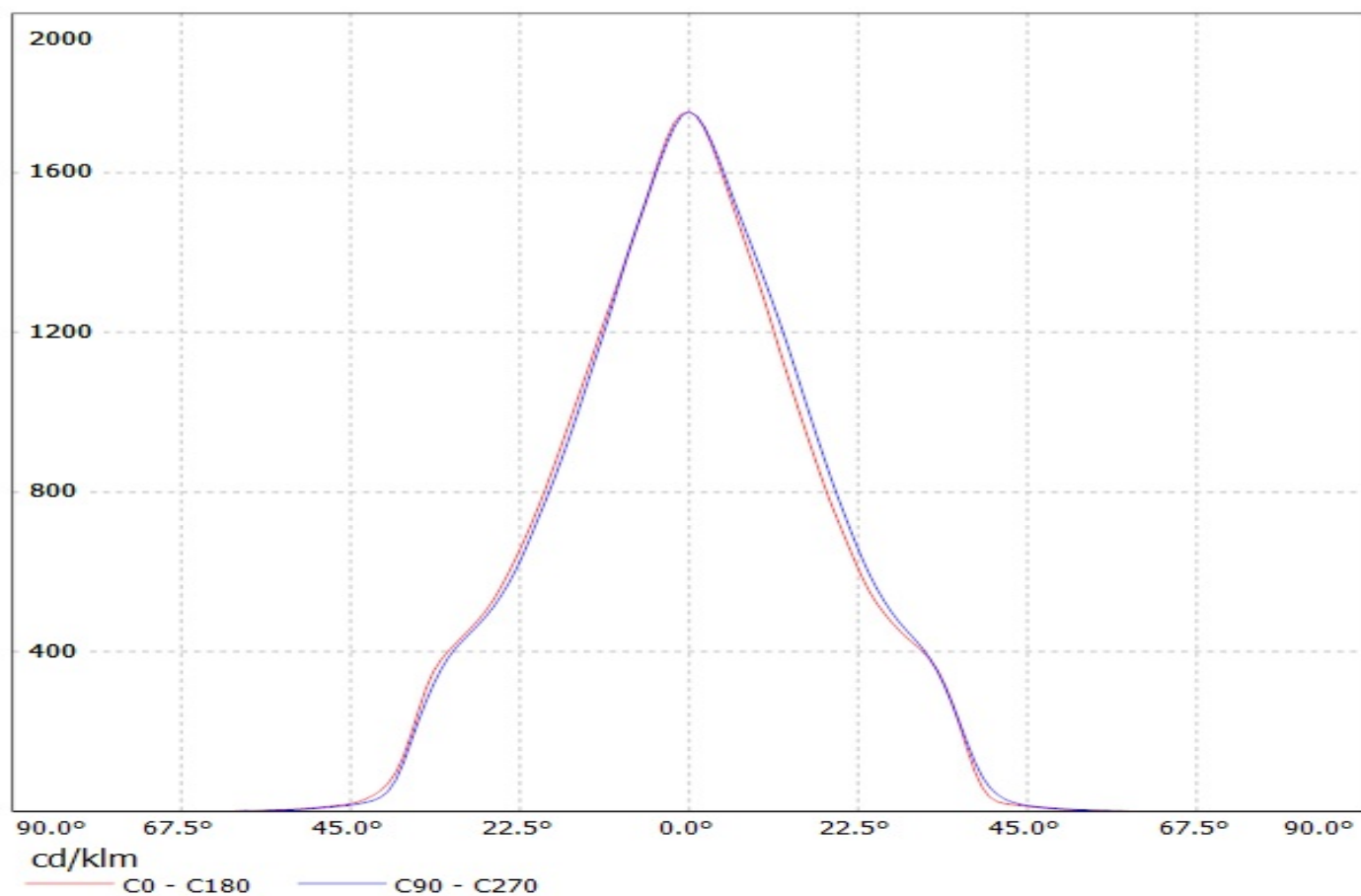
Lamps: 1 x Cree_CXA30_(CXA3050-3C0-Y2-N0H)_1385.42lm@250mA_P=8.18947W_I=249.9mA



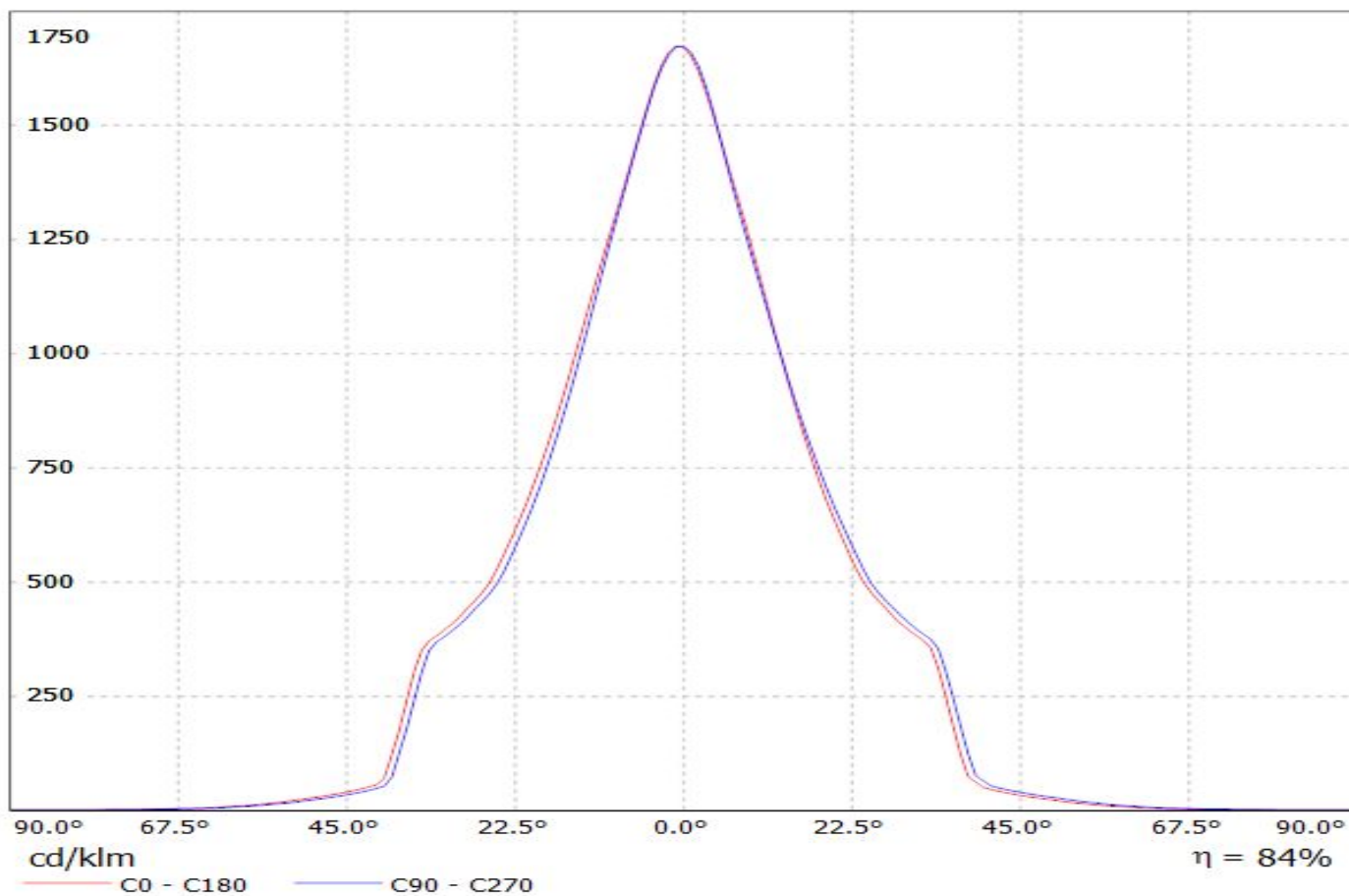
Luminaire: LEDil Oy FCN14381_ANGELA-W_(CXA1507) Efficiency=84%
Lamps: 1 x Cree CXA1507 (CXA1507-30F-F4-N0H-00000) 212lm @ 50mA CCT=3100K P=1.7W I=50mA



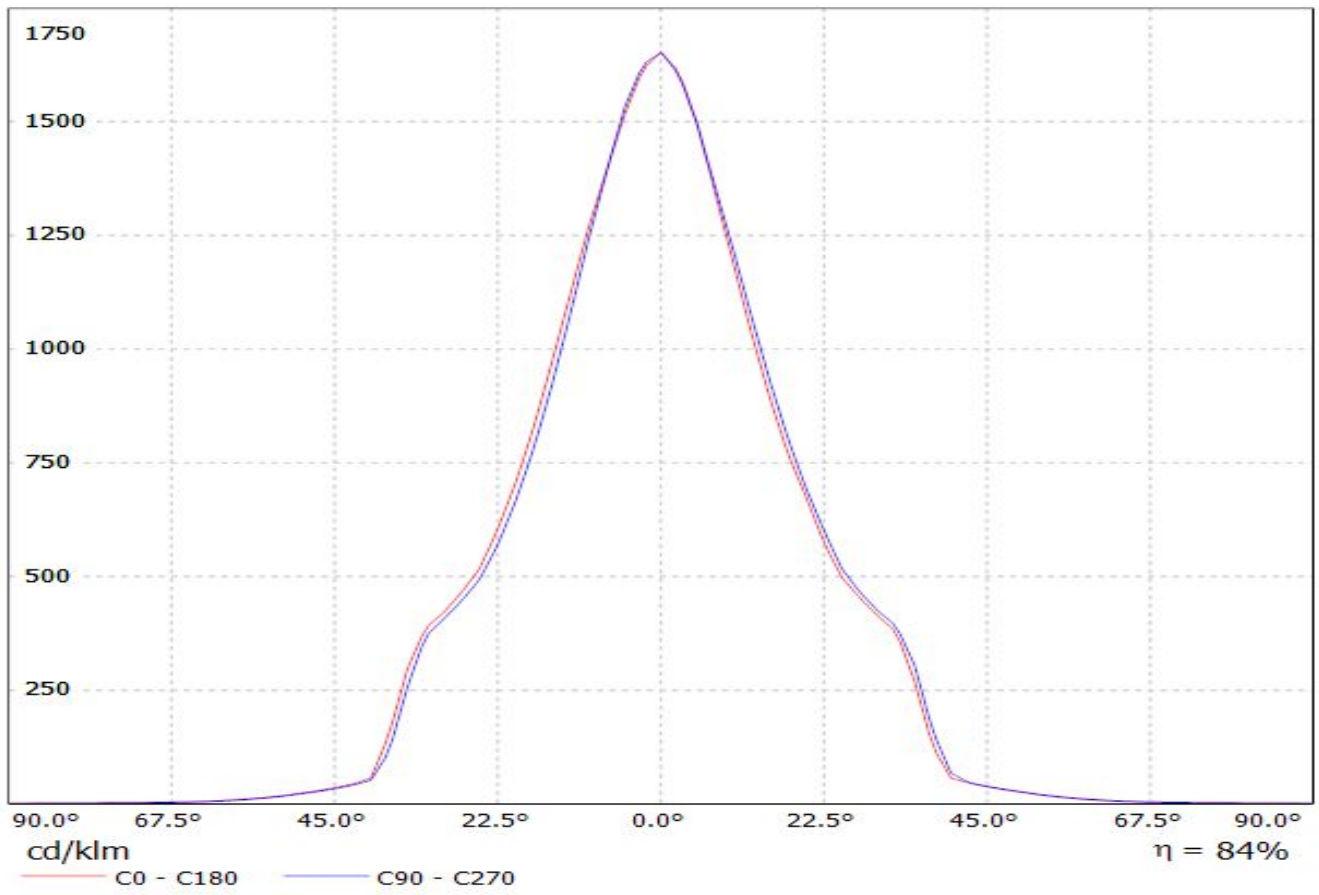
Luminaire: LEDil Oy FCN14381_ANGELA-W_(CXA1816) Efficiency=84%
Lamps: 1 x Cree CXA1816 (988lm @ 250mA) CCT=3200K P=8.8W I=250mA



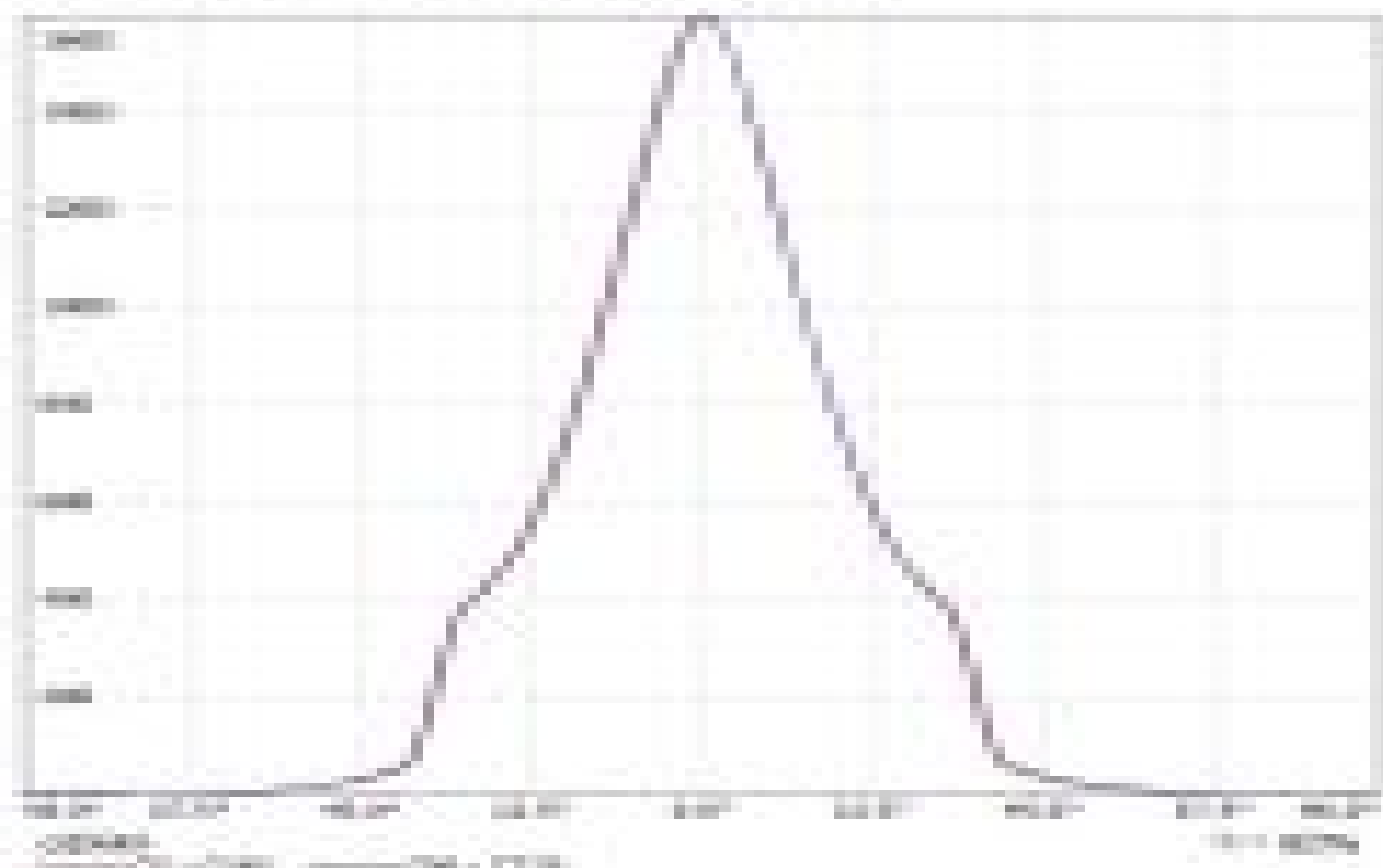
Luminaire: LEDiL Oy F13381_ANGELA-W_(COB_1205) Eff.83.8%
Lamps: 1 x Luxeon_COB_1205_1092.75lm@250mA_P=8.33092W_I=249.9mA



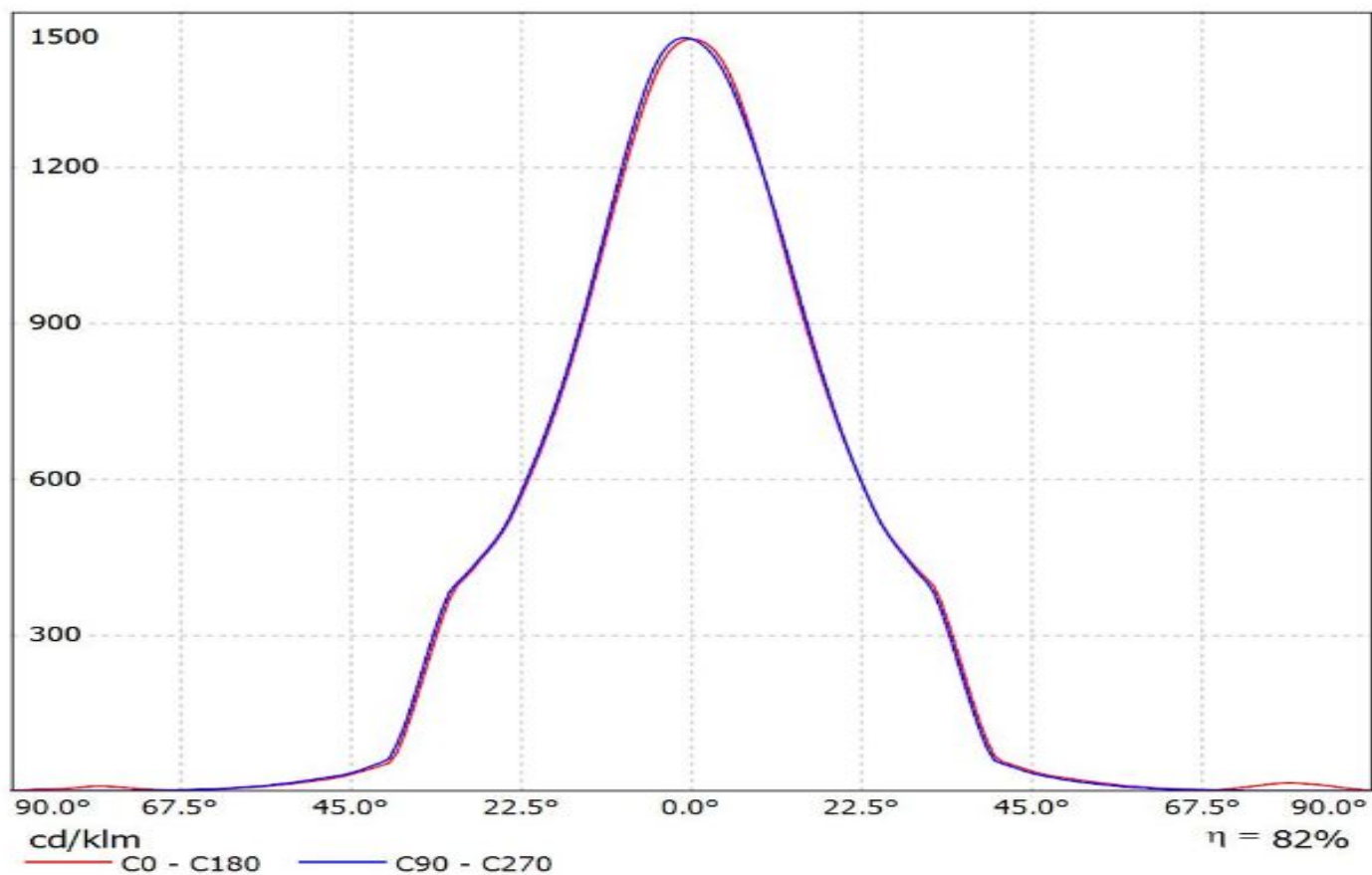
Luminaire: LEDiL Oy F13381_ANGELA-W_(COB_1208) Eff.83.8%
Lamps: 1 x Luxeon_COB_1208_1039.97lm@250mA_P=8.28793W_I=249.9mA



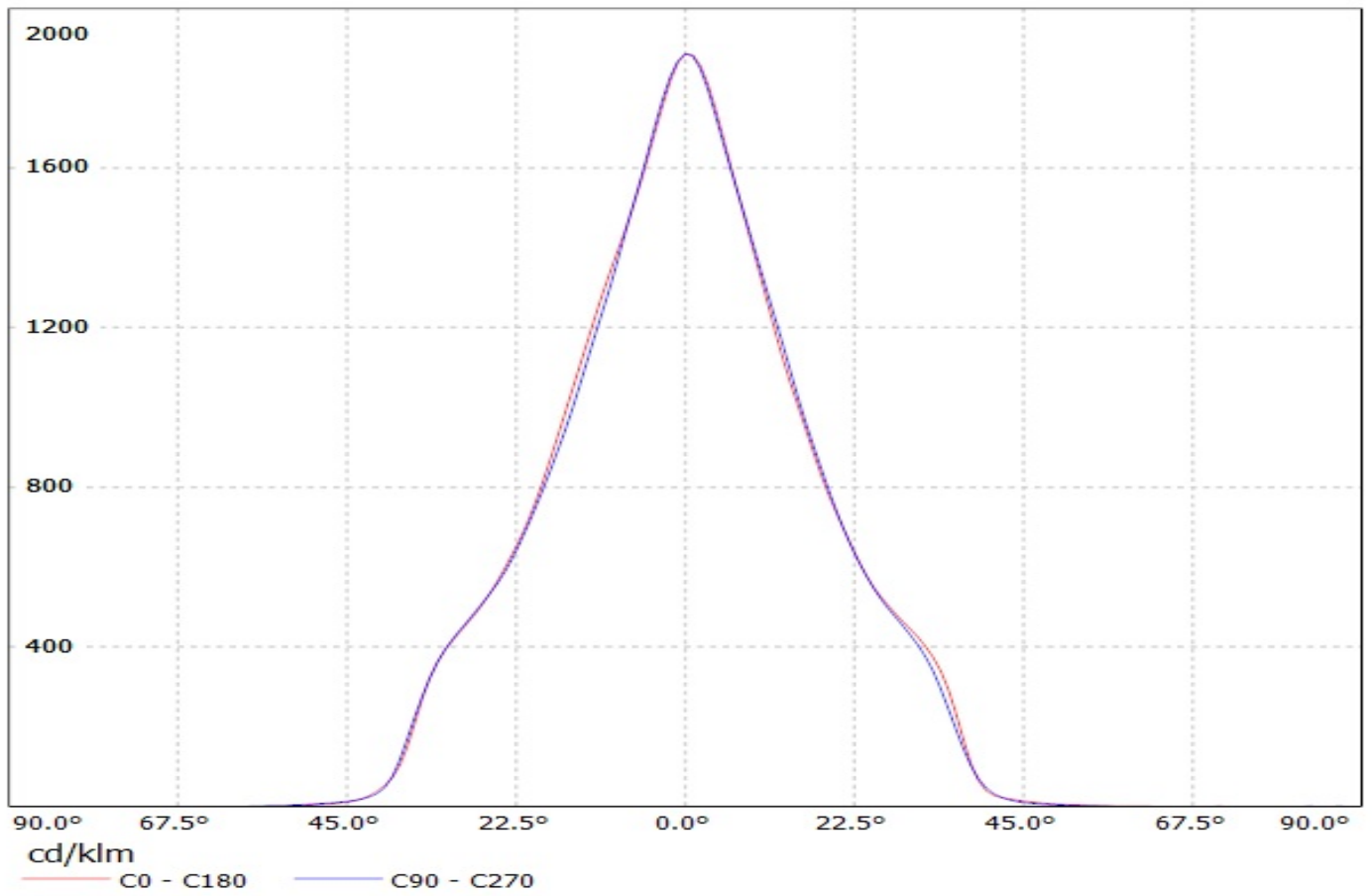
QUESTION: What is the probability that a randomly selected person is between 1.70m and 1.80m tall?



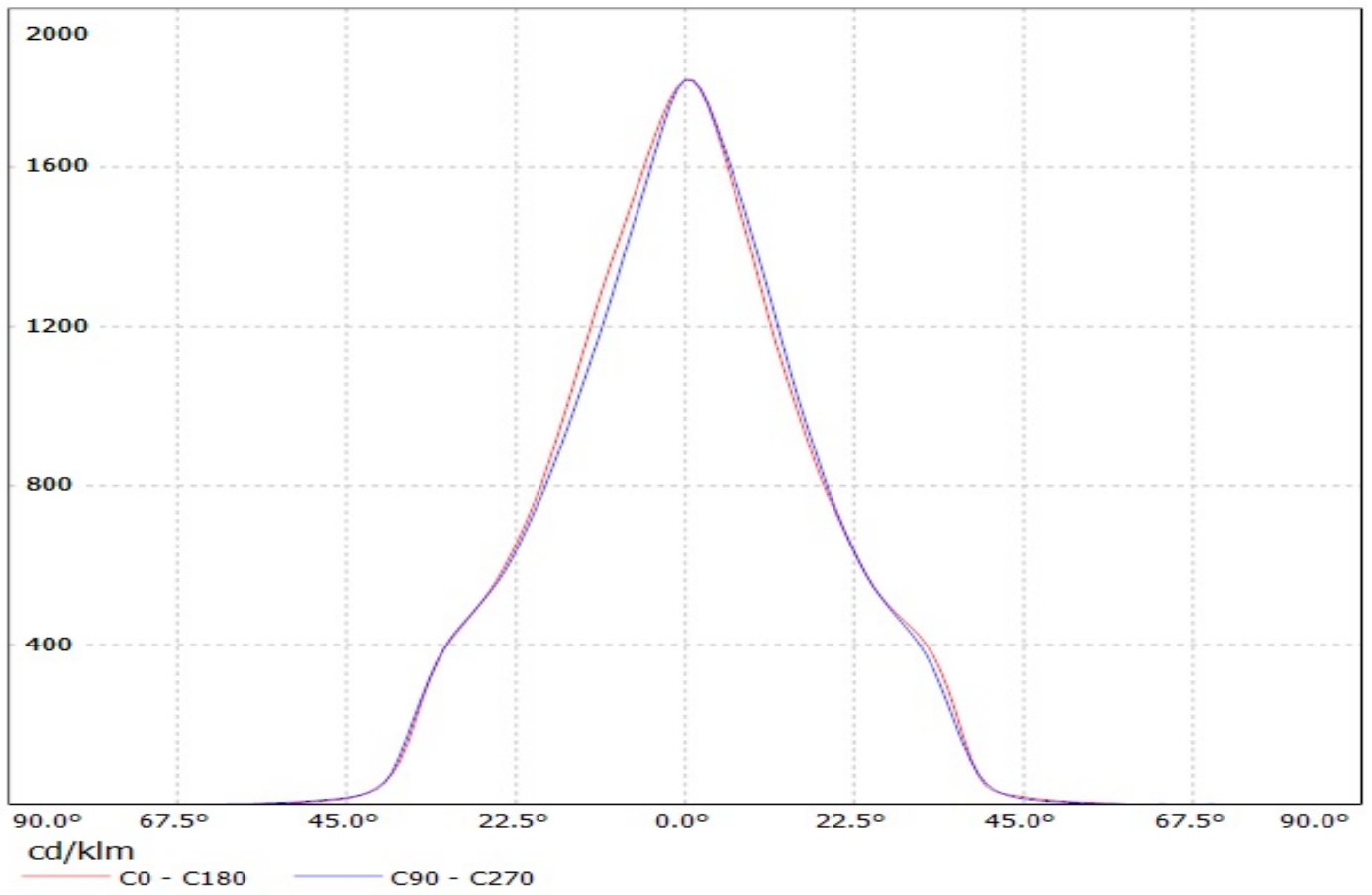
Luminaire: Ledil F13381_ANGELA-W_(CoB1211+IDEAL)
Lamps: 1 x Luxeon_CoB1211_(L2C2-4080)_50-2204CT+50-2100AN_1376.18lm@250mA_P=7.9988W_I=0.25A



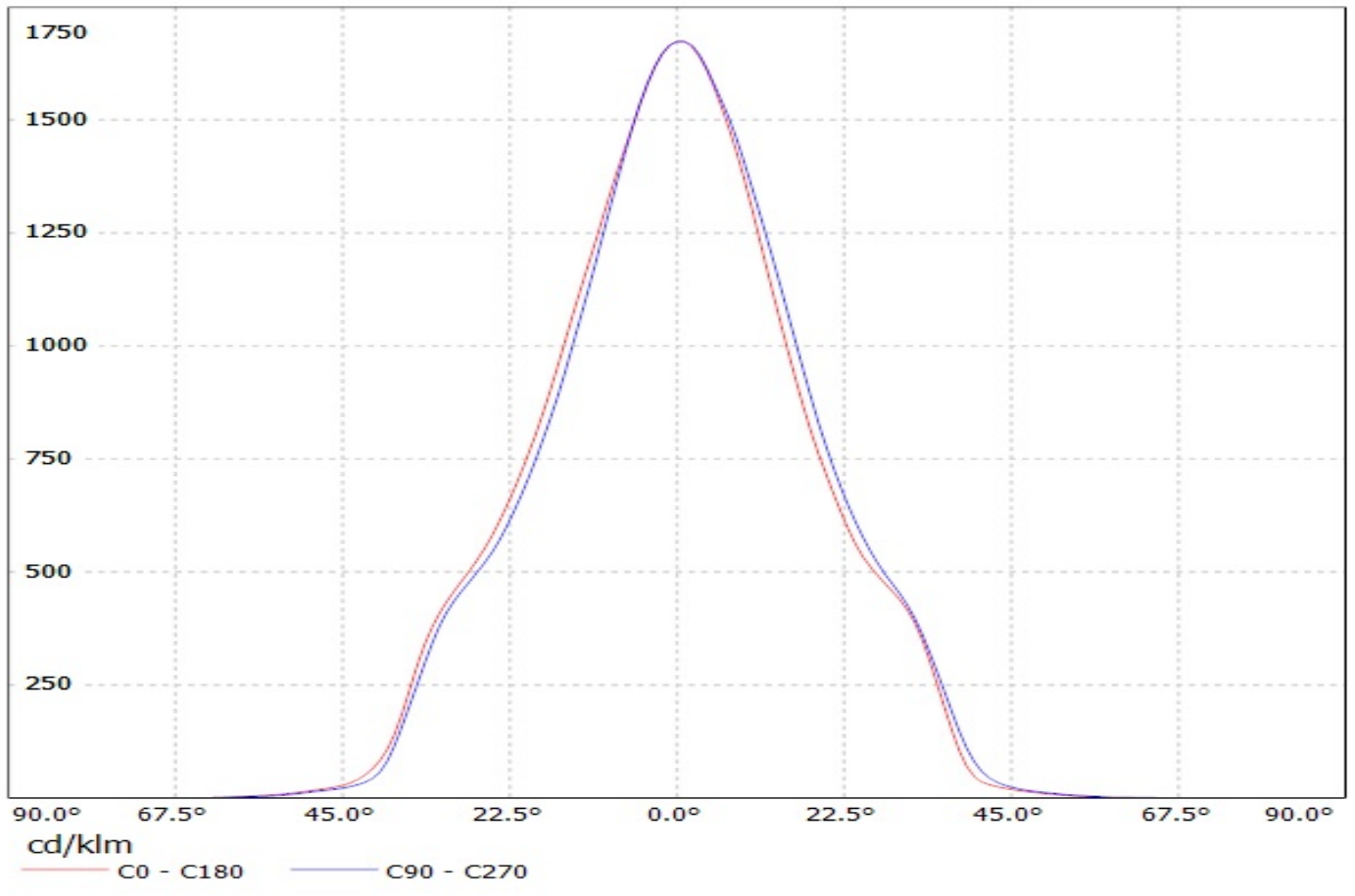
Luminaire: LEDil Oy FCN13571_ANGELA-W (Luxeon_S2000) Efficiency=84%
Lamps: 1 x Philips Lumileds Luxeon S2000 (LXS8-PW30-0017) 442lm @ 100mA P=4.6W I=100mA



Luminaire: LEDil Oy FCN13572_ANGELA-W (Luxeon_S3000) Efficiency=84%
Lamps: 1 x Philips Lumileds Luxeon S3000 (LXS8-PW30-0024) 593lm @ 100mA P=6.5W I=100mA

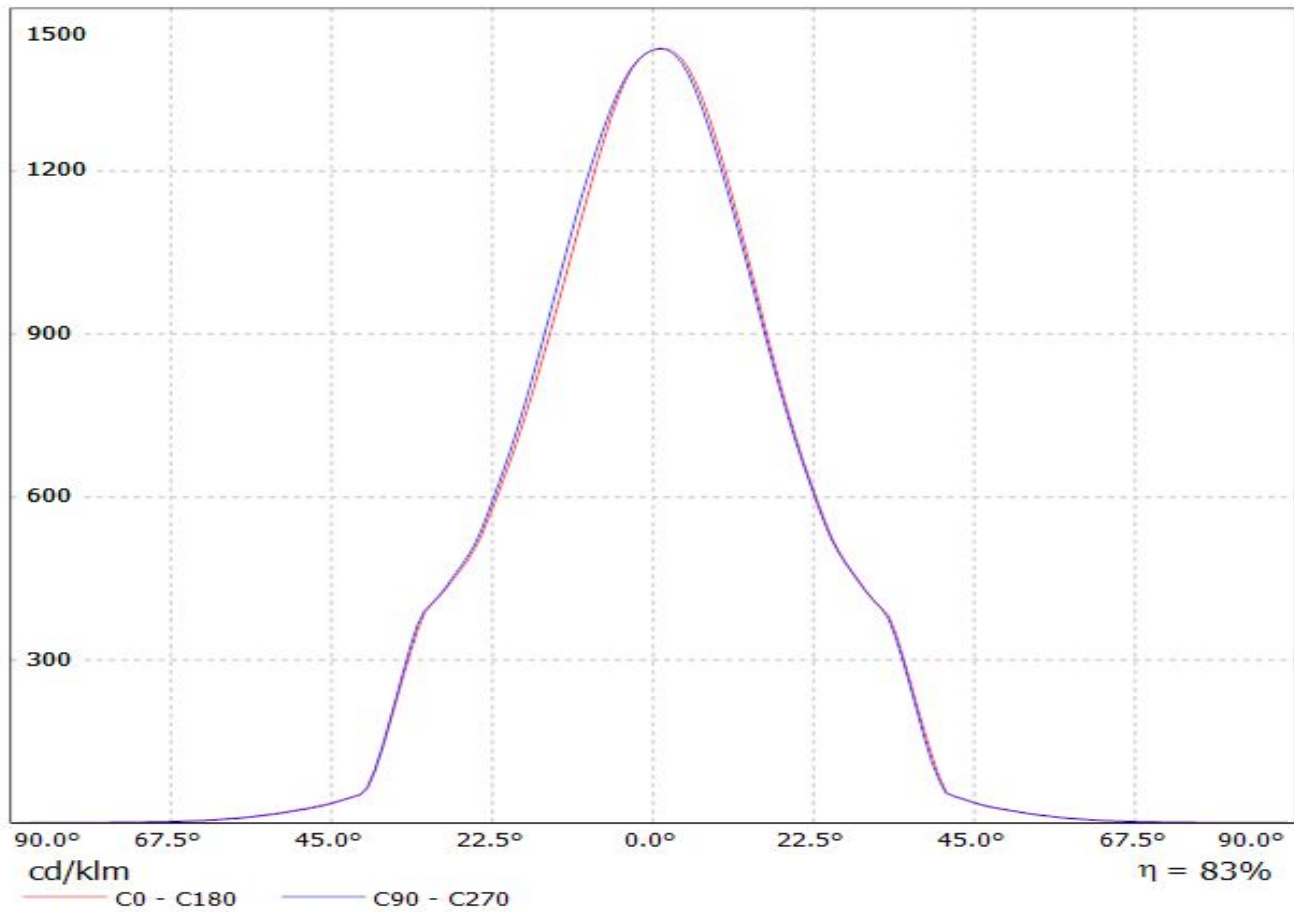


Luminaire: LEDil Oy FCN13573_ANGELA-W (Luxeon_S5000) Efficiency=85%
Lamps: 1 x Philips Luxeon S5000 (LXS8-PW30-041) 993lm @ 100mA P=11.1W I=100mA

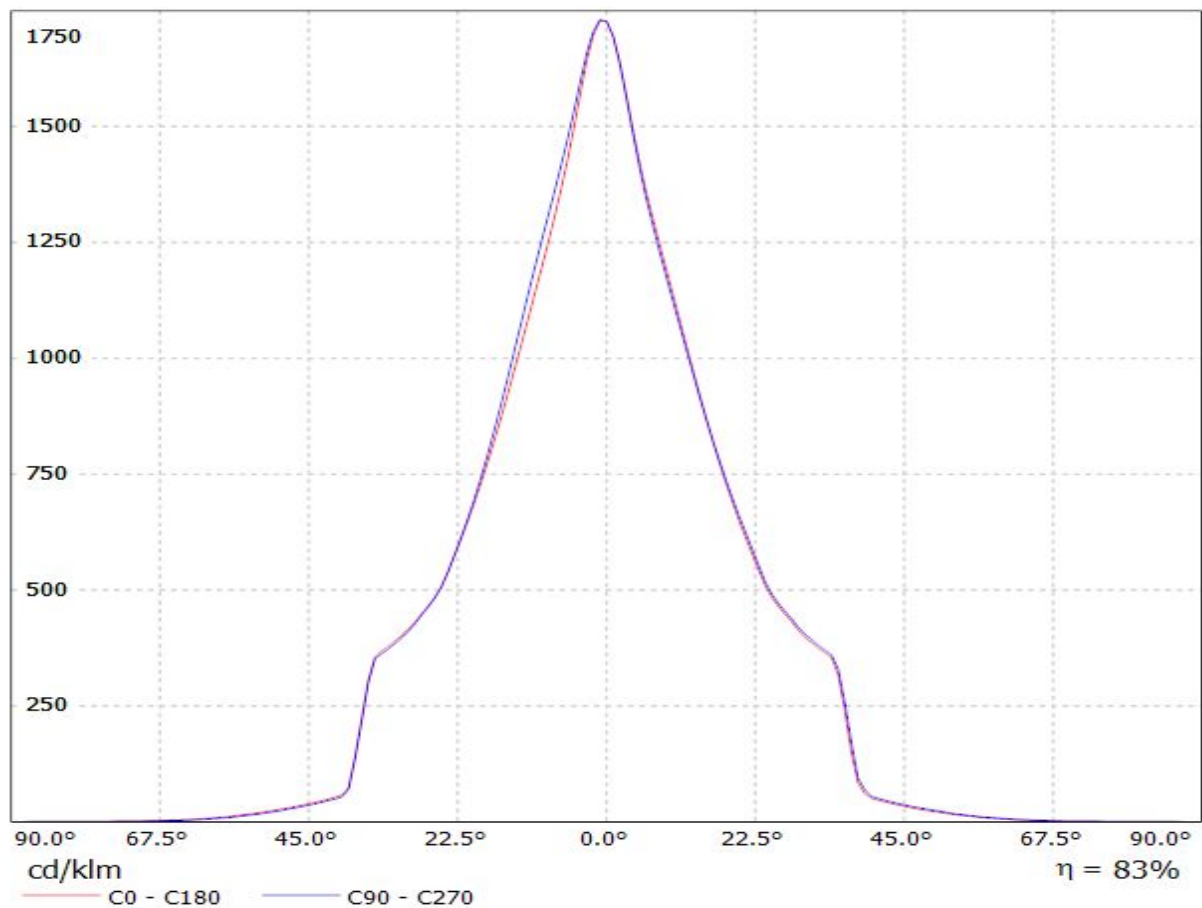


Luminaire: LEDiL Oy FCN13704_ANGELA-W_(CoB_1211)_(431_Typ_L3)

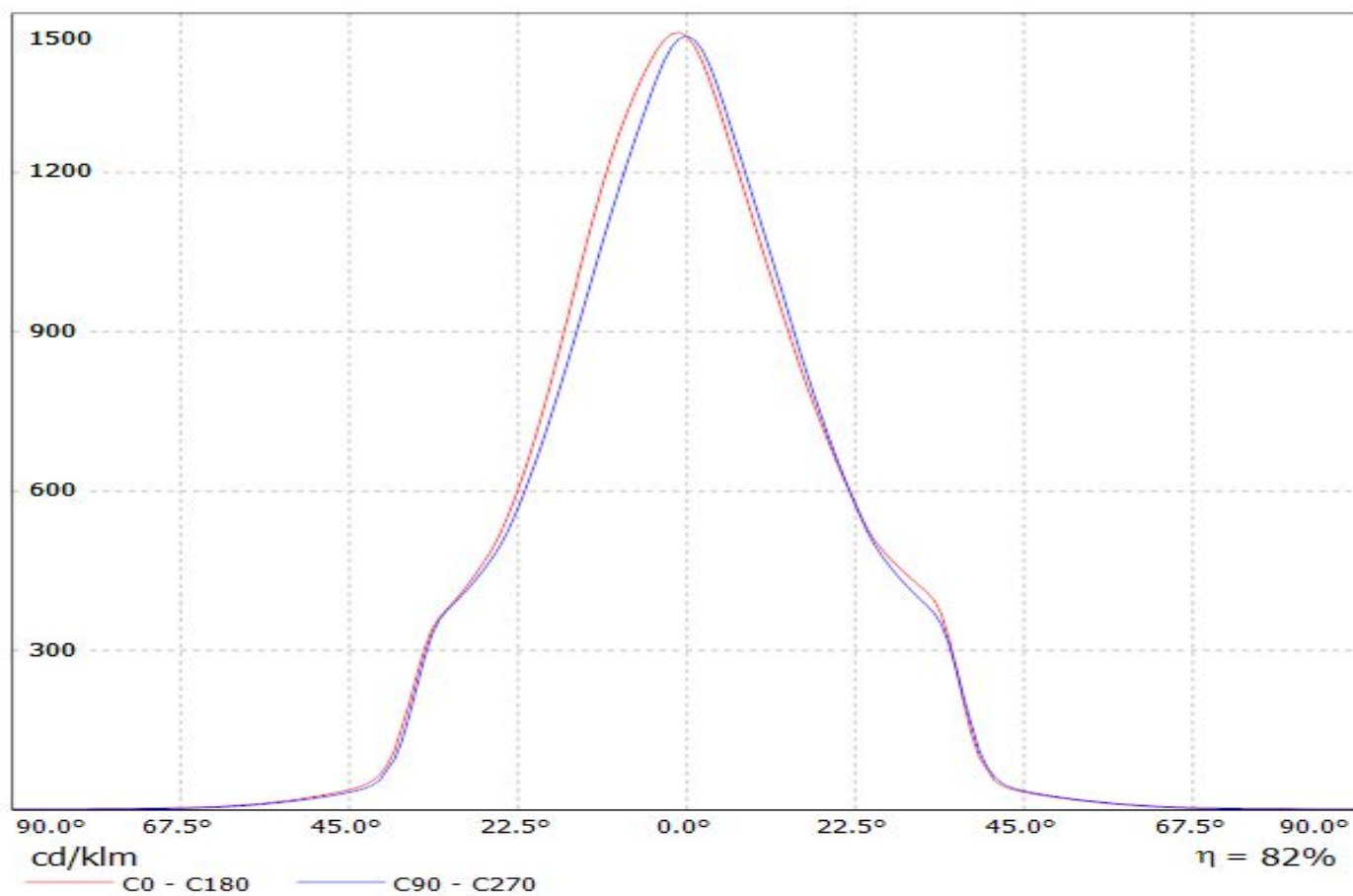
Lamps: 1 x Luxeon_CoB_1211_(LHC1-5780-1211)_(431_Typ_L3)_(C13867)_897.994lm@250mA_P=8W_I=0.25A



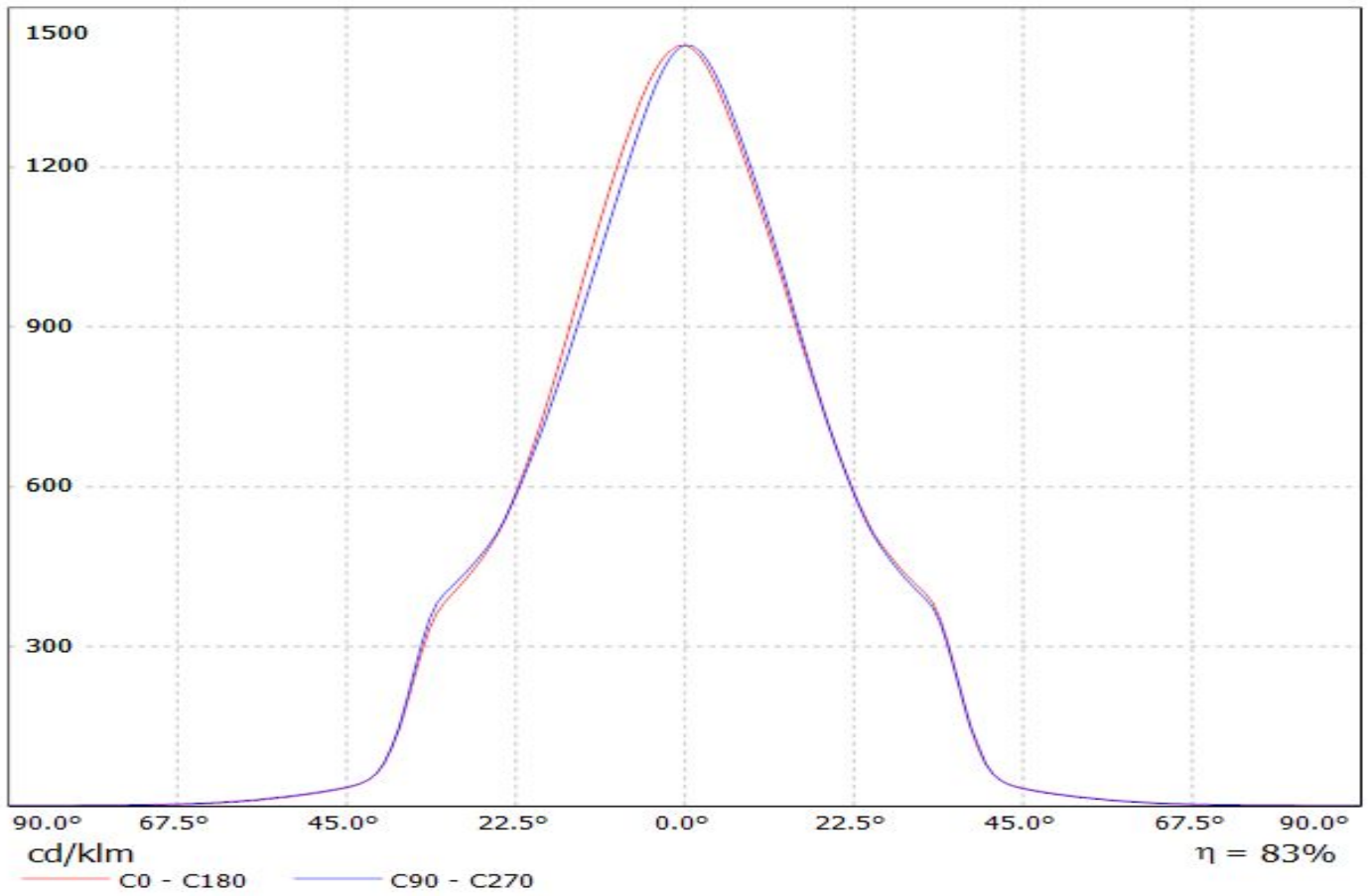
Luminaire: LEDiL Oy FCN13707_ANGELA-W_(LUXEON_CoB_1203)_ (438_Typ_L1)_ (C13658_CLAMP-VERO13-18)
Lamps: 1 x LUXEON_CoB_1203_(438_Typ_L1)_ (C13658_CLAMP-VERO13-18)_984.561lm@250mA_P=8.6828W_η=0.25A



Luminaire: LEDiL Oy FC13993_ANGELA-RZ-W_(K12) Eff.82.4%
Lamps: 1 x Luxeon_K12_921.144lm@250mA_P=8.19669W_I=249.8mA

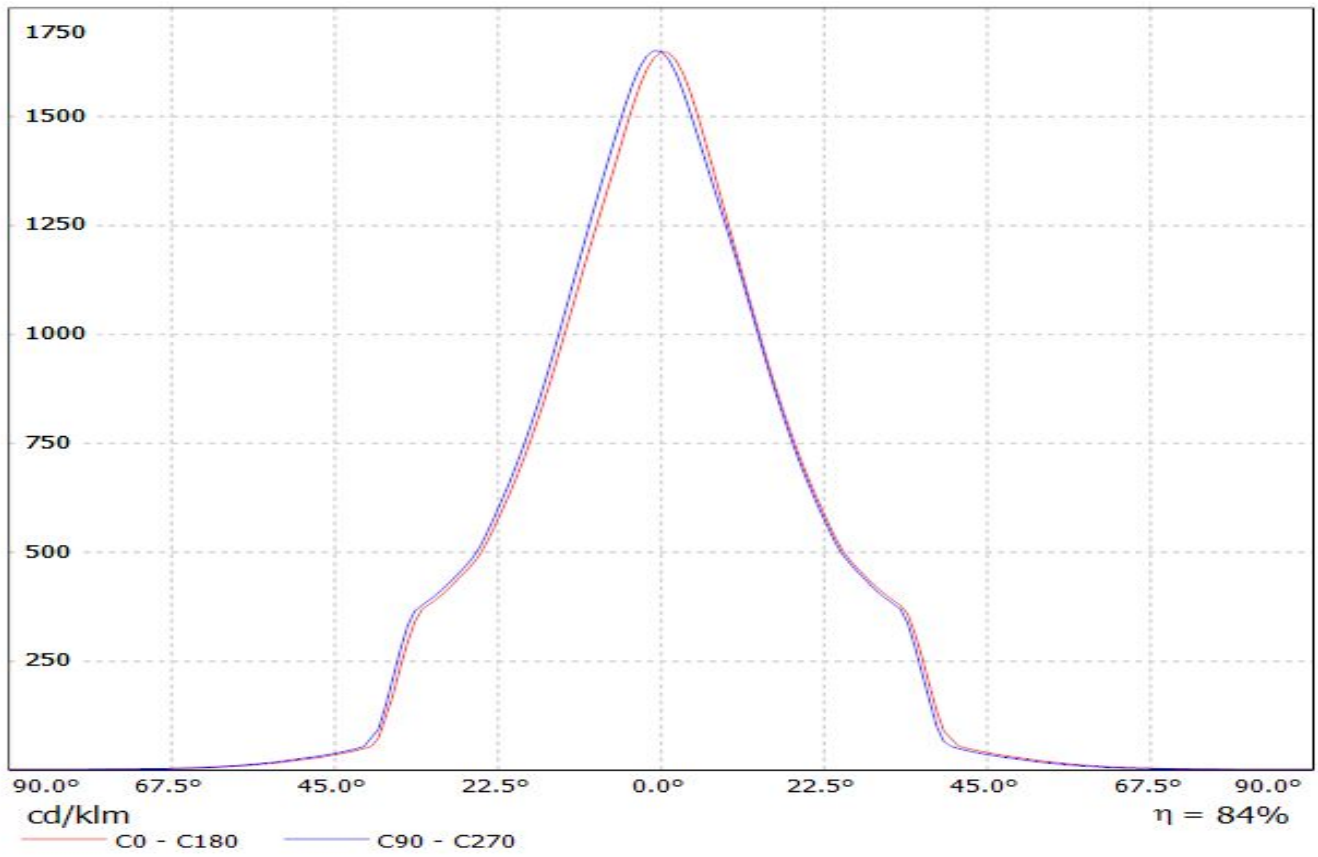


Luminaire: LEDiL Oy FC13993_ANGELA-RZ-W_(K16) Eff.82.9%
Lamps: 1 x Luxeon_K16_1219.79lm@250mA_P=10.8763W_I=249.8mA



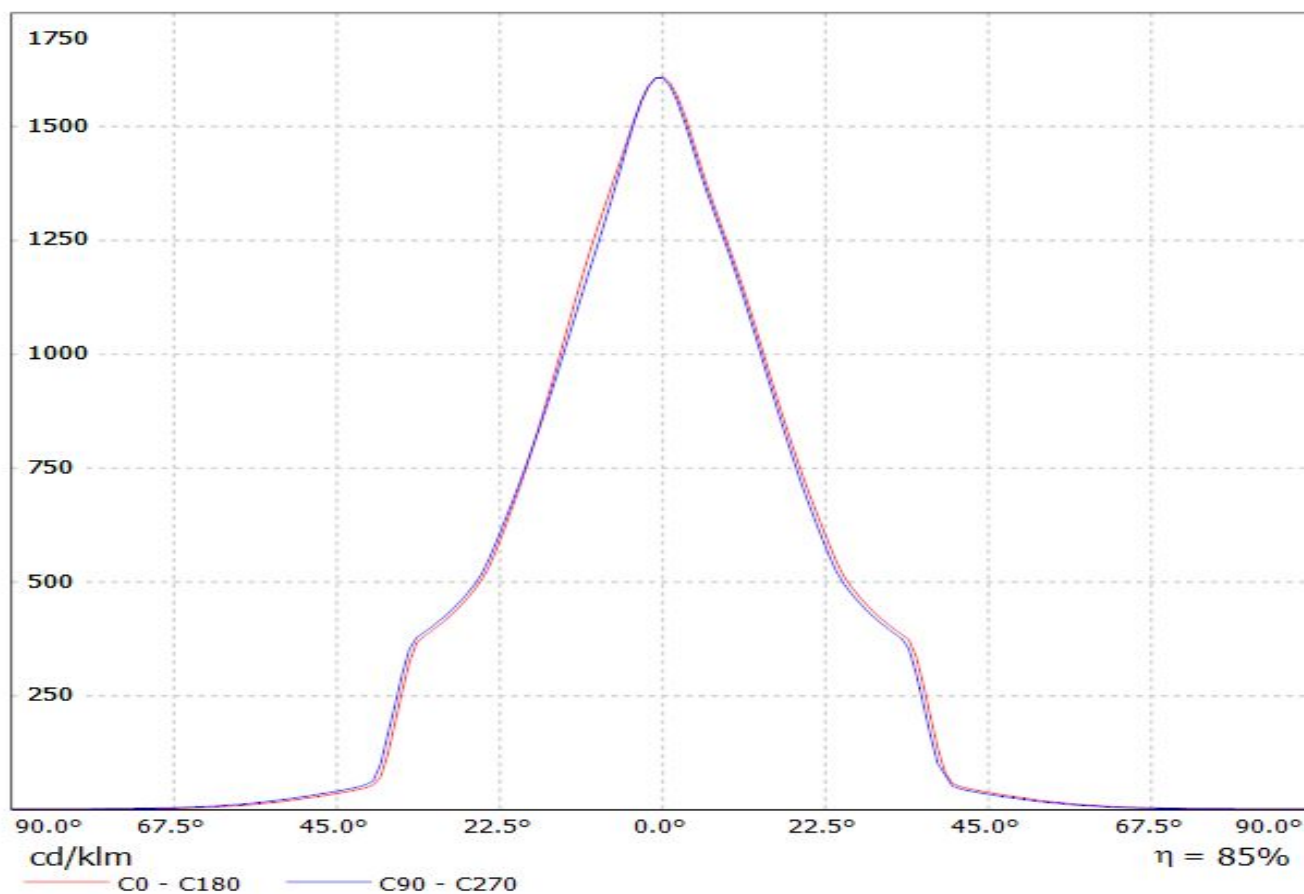
Luminaire: LEDiL Oy F13381_ANGELA-W_(CXM-14)

Lamps: 1 x LUMINUS_CXM-14_1114.36lm@250mA_P=8.36106W_I=249.8mA



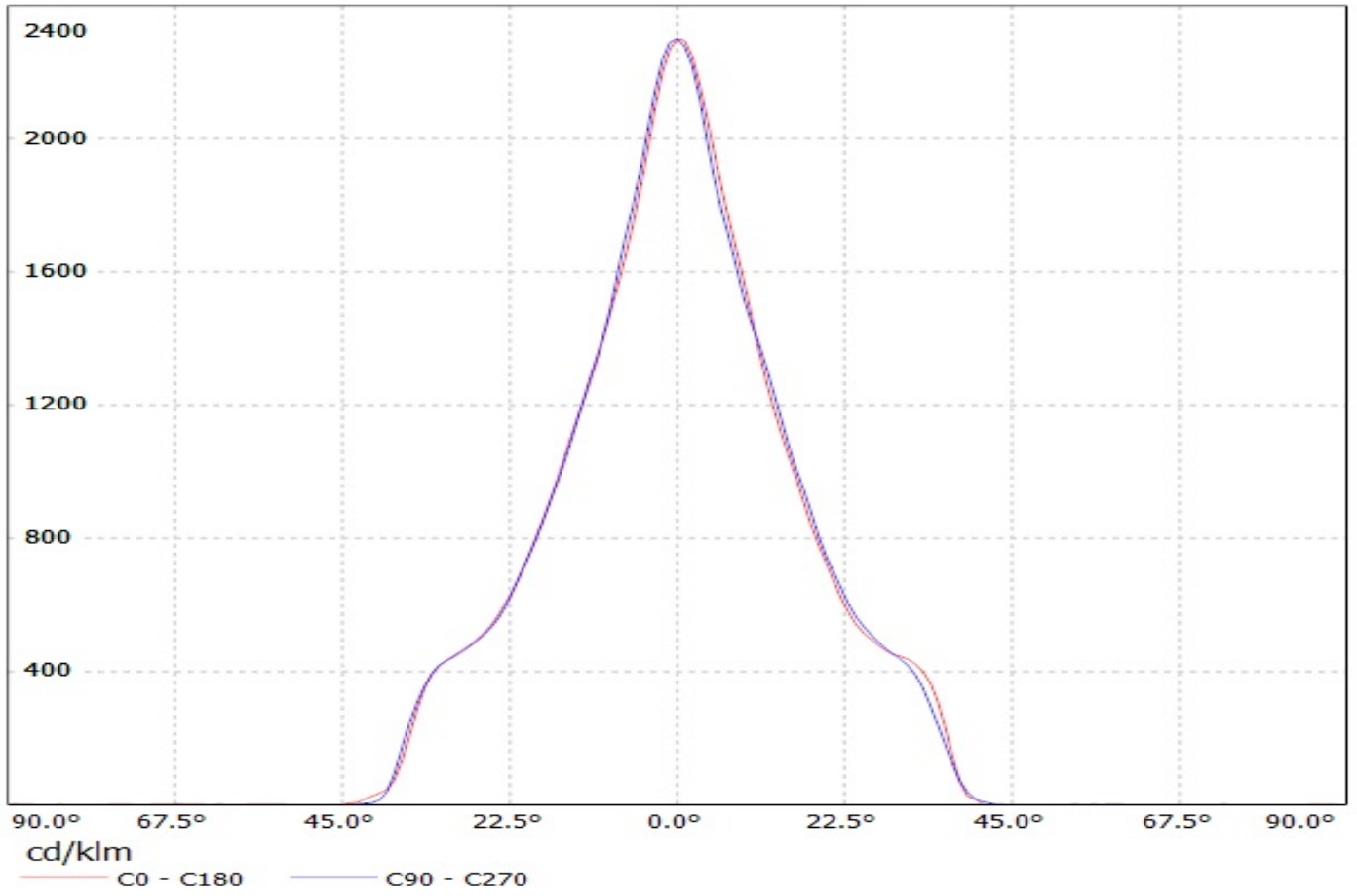
Luminaire: LEDiL Oy F13381_ANGELA-W_(NSBxL121A)

Lamps: 1 x Nichia_NSBxL121A_914.478lm@250mA_P=7.56872W_I=249.9mA



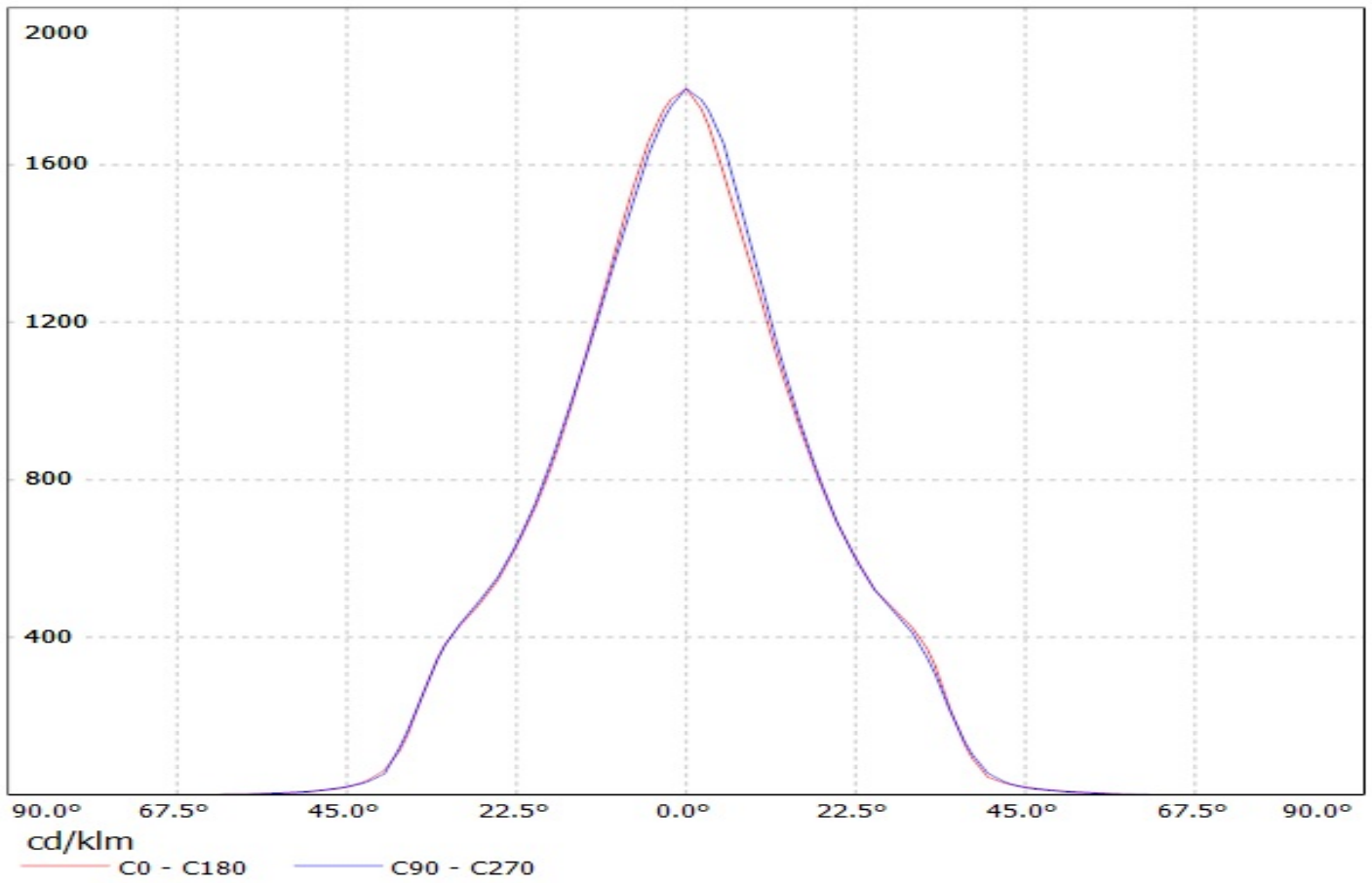
Luminaire: LEDil Oy F13381_ANGELA-W_(NFCxL060B)

Lamps: 1 x Nichia NFCxL060B (SM403G2450R8000) 1250.88lm @ 250mA P=8.4W I=250mA



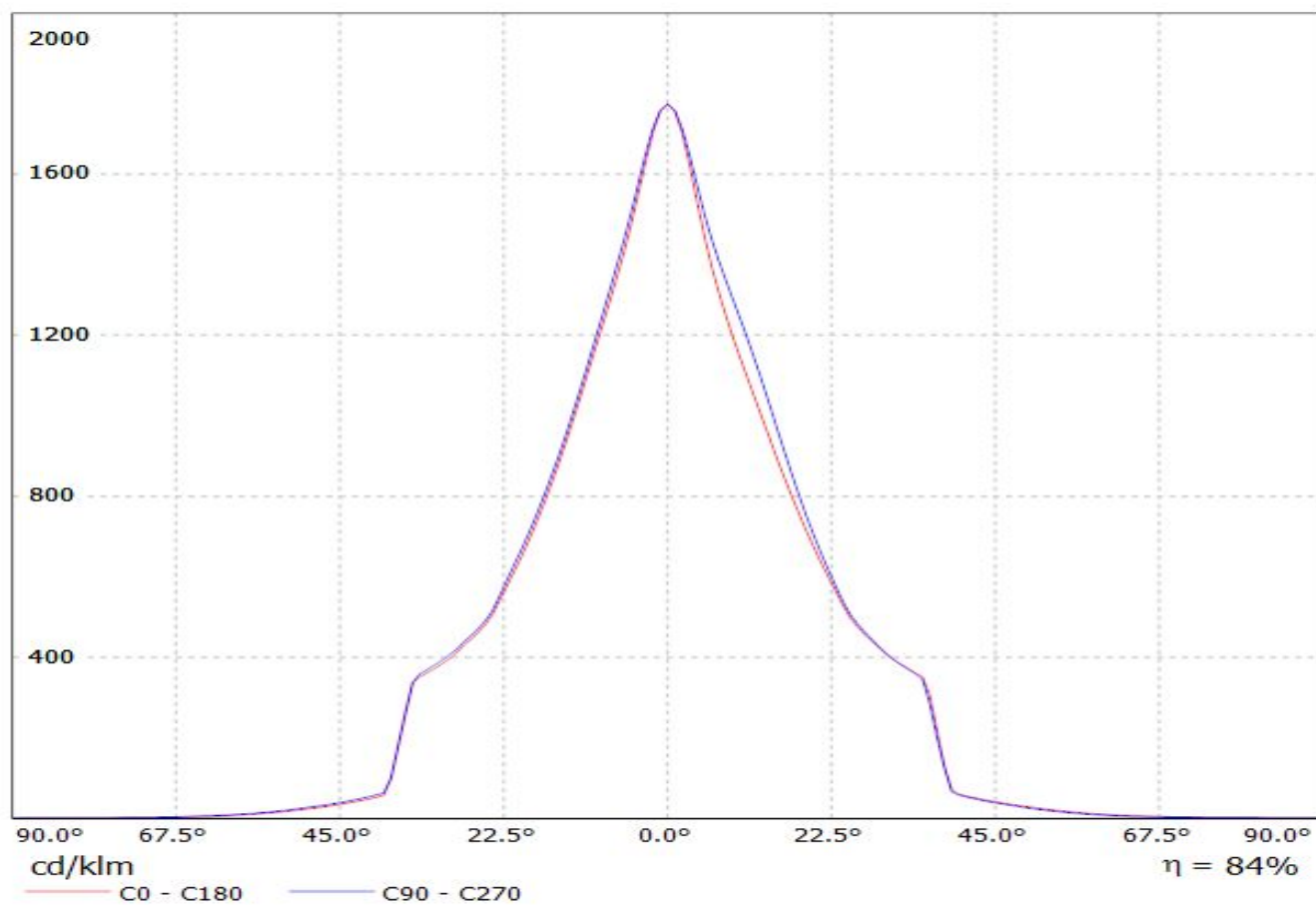
Luminaire: LEDil Oy F13381_ANGELA-W_(NFDxJ130B)

Lamps: 1 x Nichia NFDxJ130B (SM403G6450R8000) 1410.46lm @ 250mA P=8.9W I=250mA

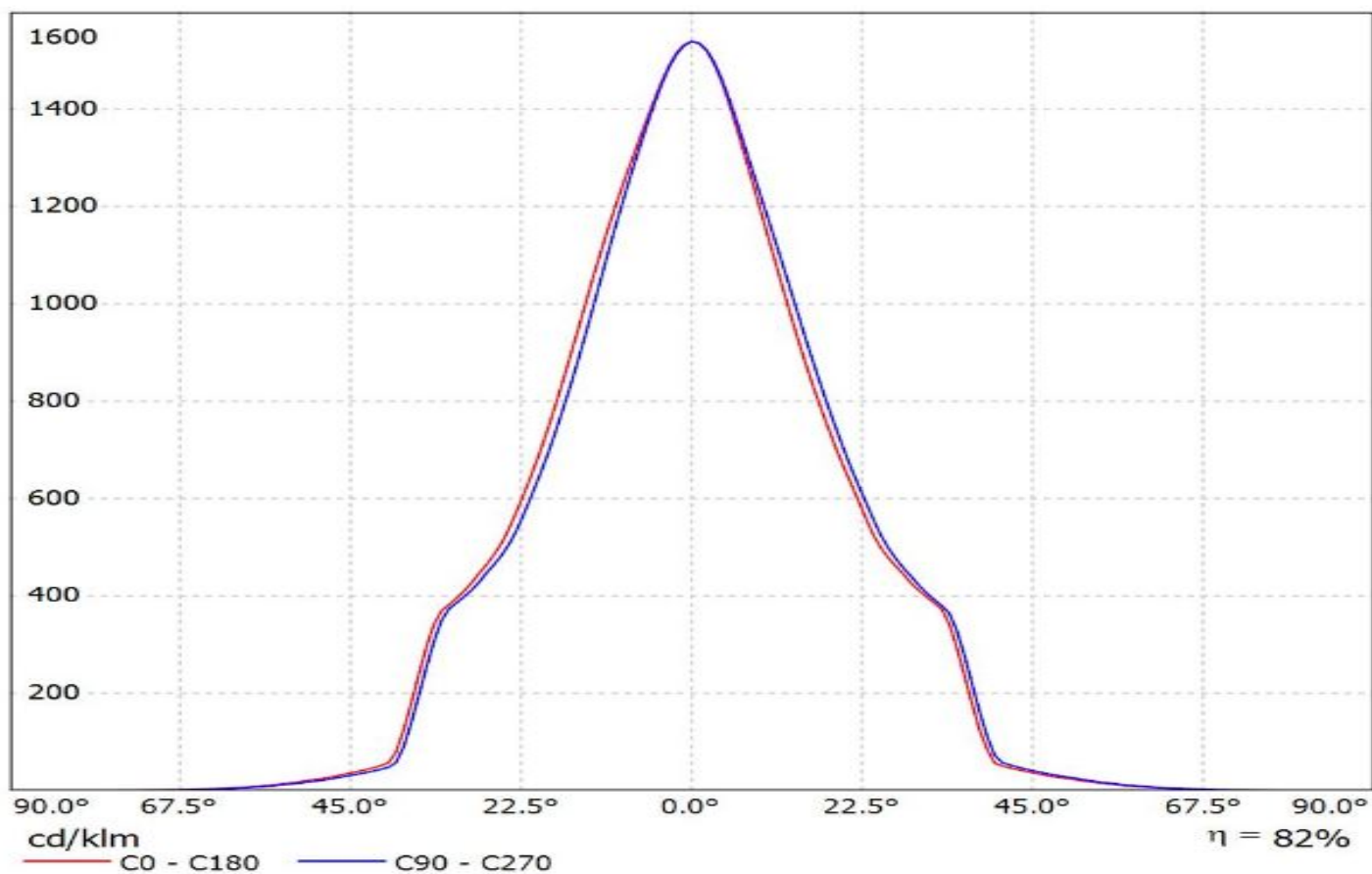


Luminaire: LEDiL Oy FCN13707_ANGELA-W_(NFCLL036B)

Lamps: 1 x Nichia NFCLL036B (sm403J1300R8000)_541.131lm@100mA_CCT=4000K_P=3.34324W_I=0.100A

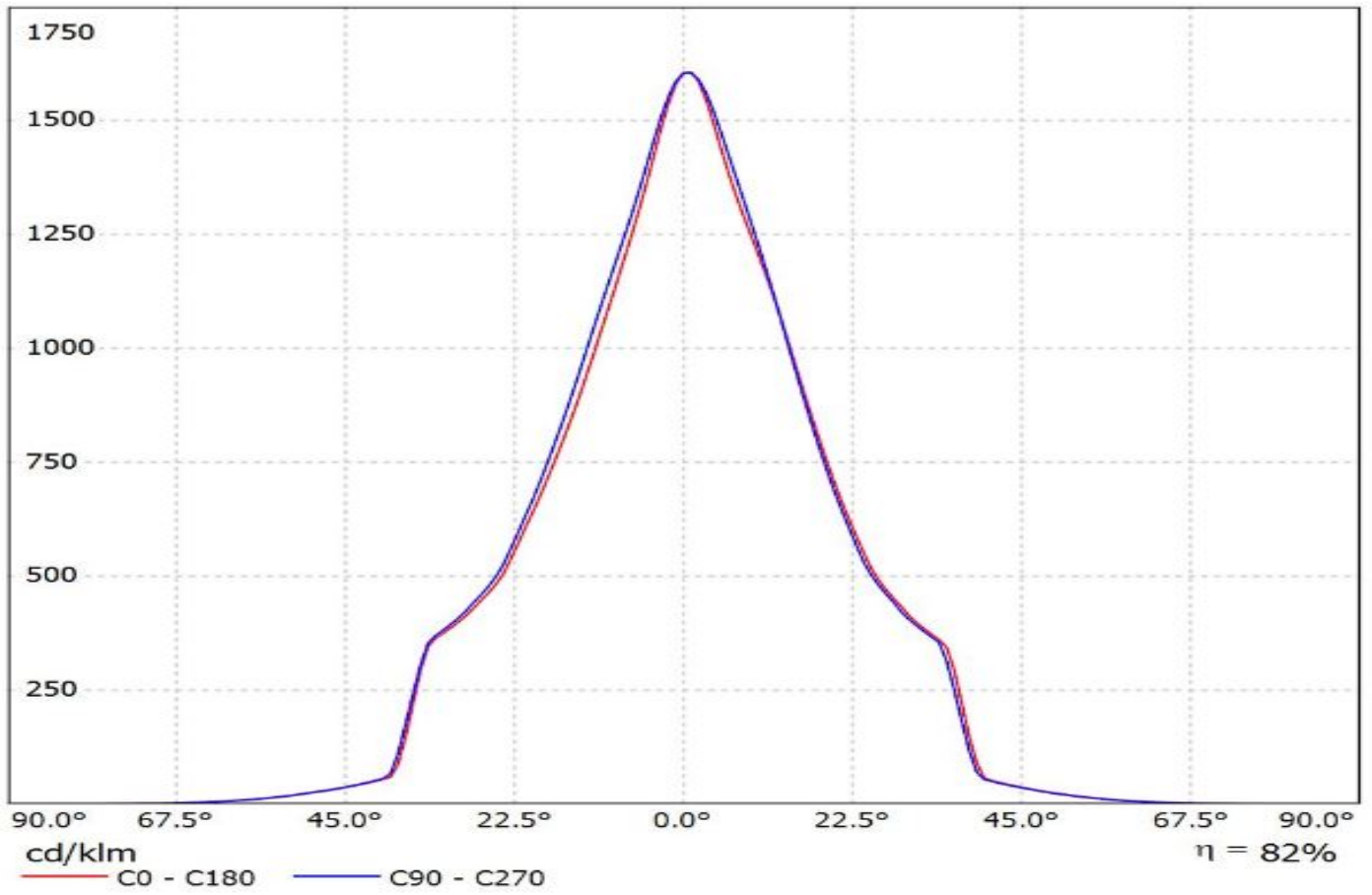


Luminaire: Ledil FCN13707_ANGELA-W_(NFDxJ130B)
Lamps: 1 x Nichia_NFDxJ130B_(463 Typ L2)_C13658_CLAMP-
VERO13_1504.8lm@250mA_P=8.27W_I=0.25A



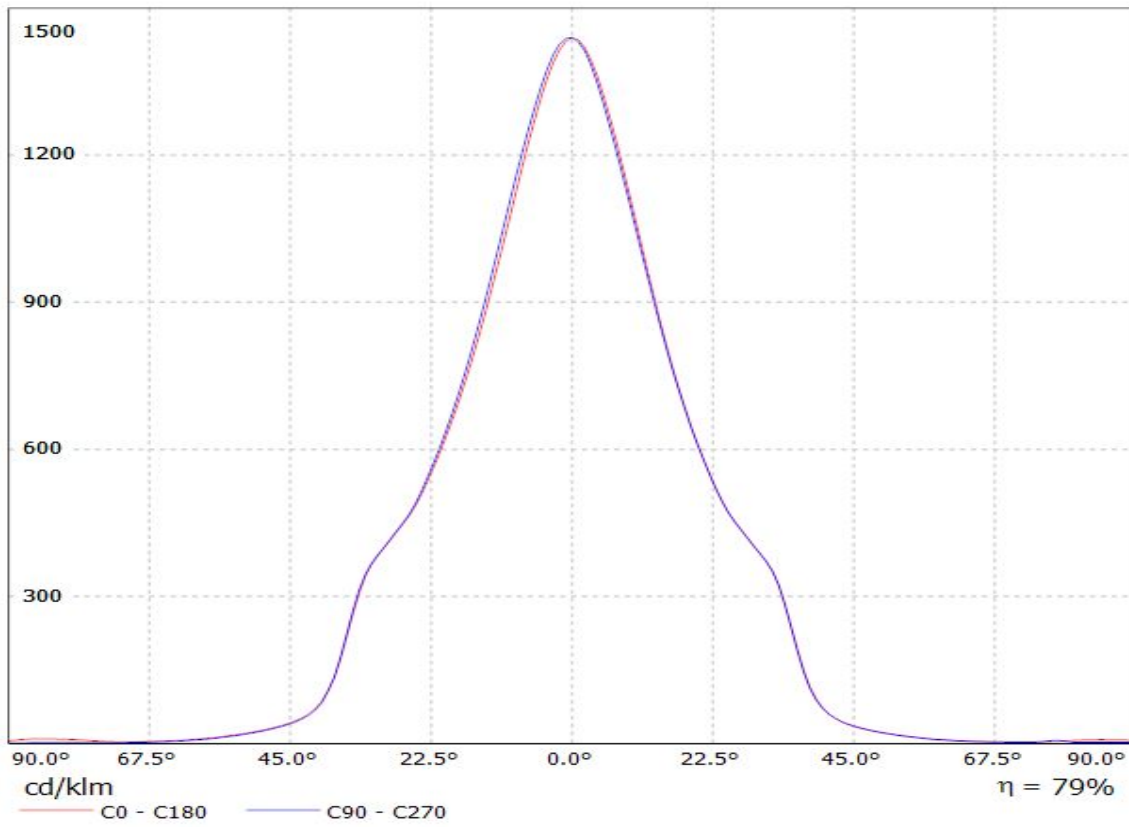
Luminaire: Ledil FCN13707_ANGELA-W_(NFCLL060B)

Lamps: 1 x Nichia_NFCLL060B_(438_TYP_L1)_C13658_1356.65lm@250mA_P=8.375W_I=0.25A

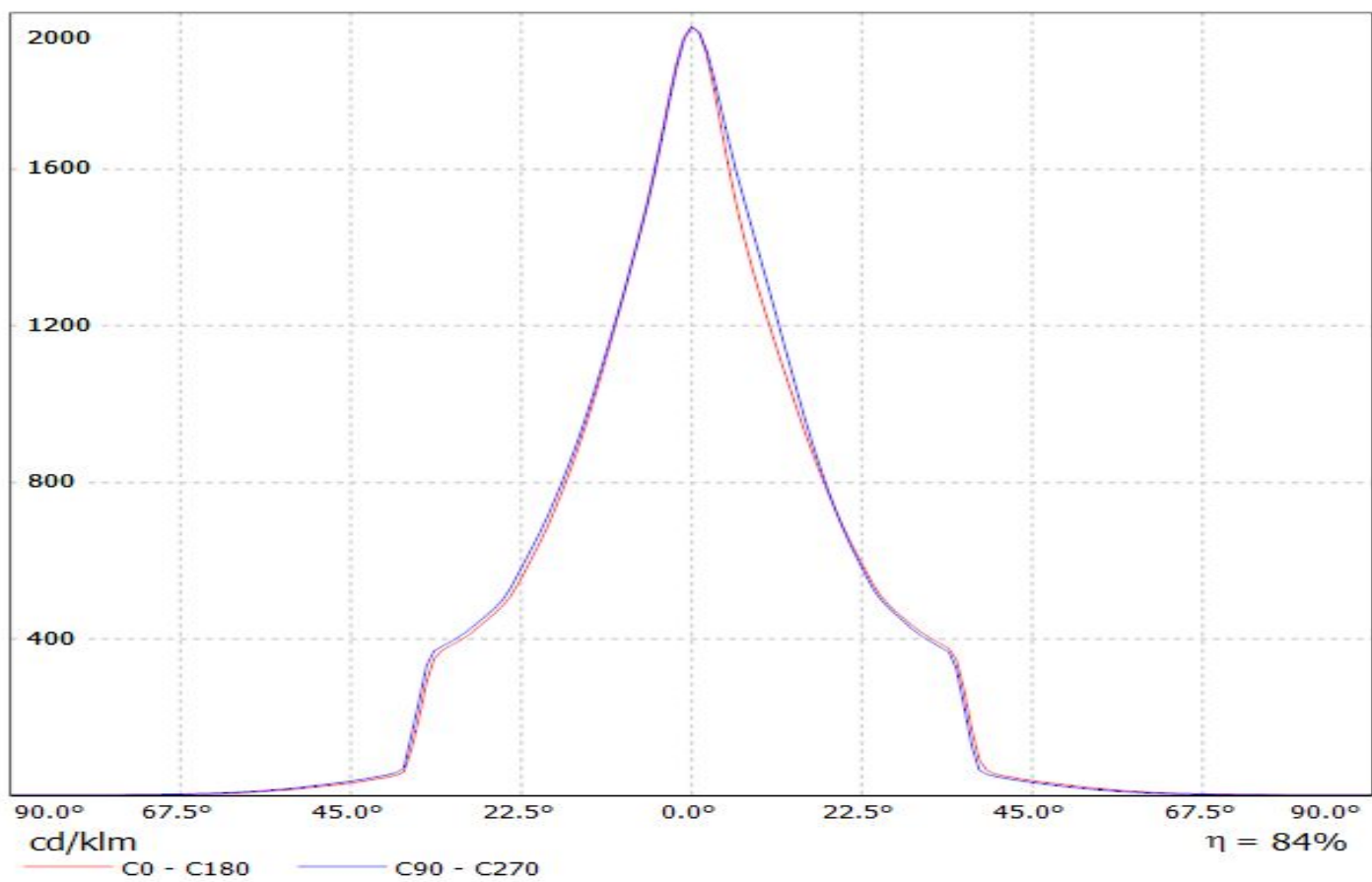


Luminaire: LEDiL Oy FC13993_ANGELA-RZ-W_(NFDLJ130B+IDEAL)

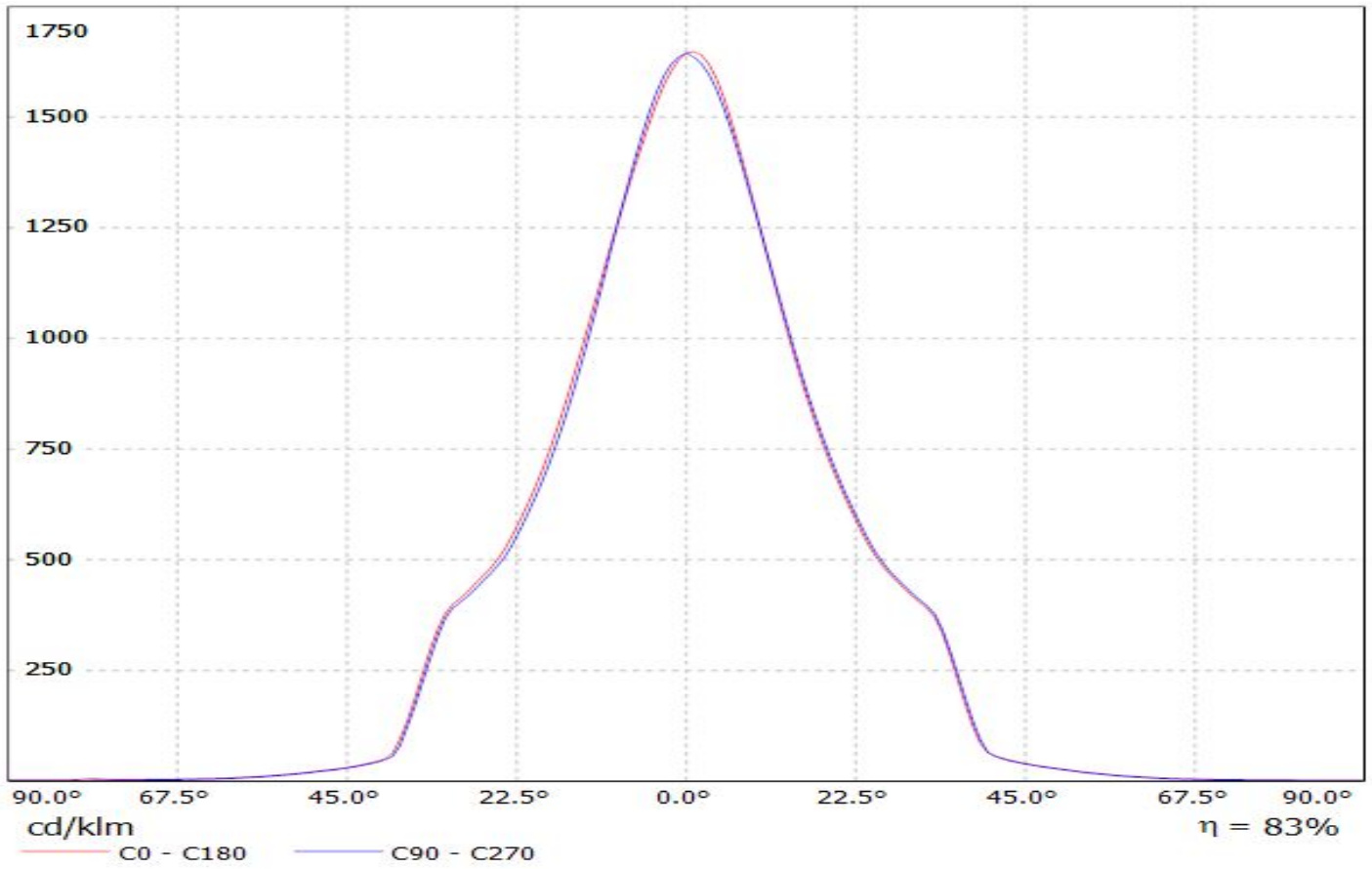
Lamps: 1 x Nichia_NFDLJ130B_+50-2103NC_+50-2100AN_1422.52lm@250mA_CCT=4000K_P=8.91686W_I=0.25A



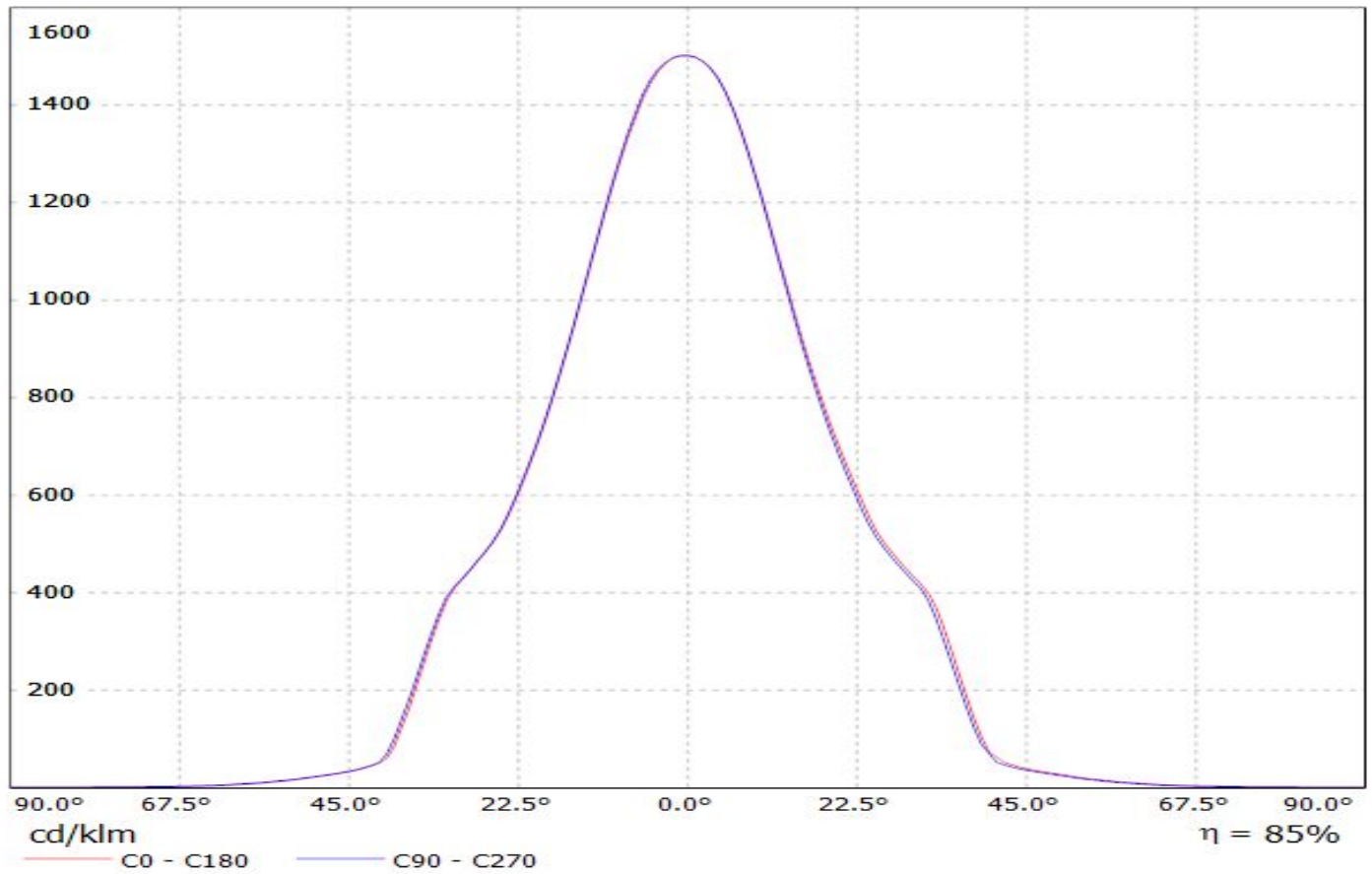
Luminaire: LEDiL Oy F13381_ANGELA-W_(PrevaLED_LES9)
Lamps: 1 x Osram_PrevaLED_Core_Z3_LES9_(PL-CORE-1100-830-Z3)
_1132.95lm@250mA_P=12.1952W_I=249.8mA



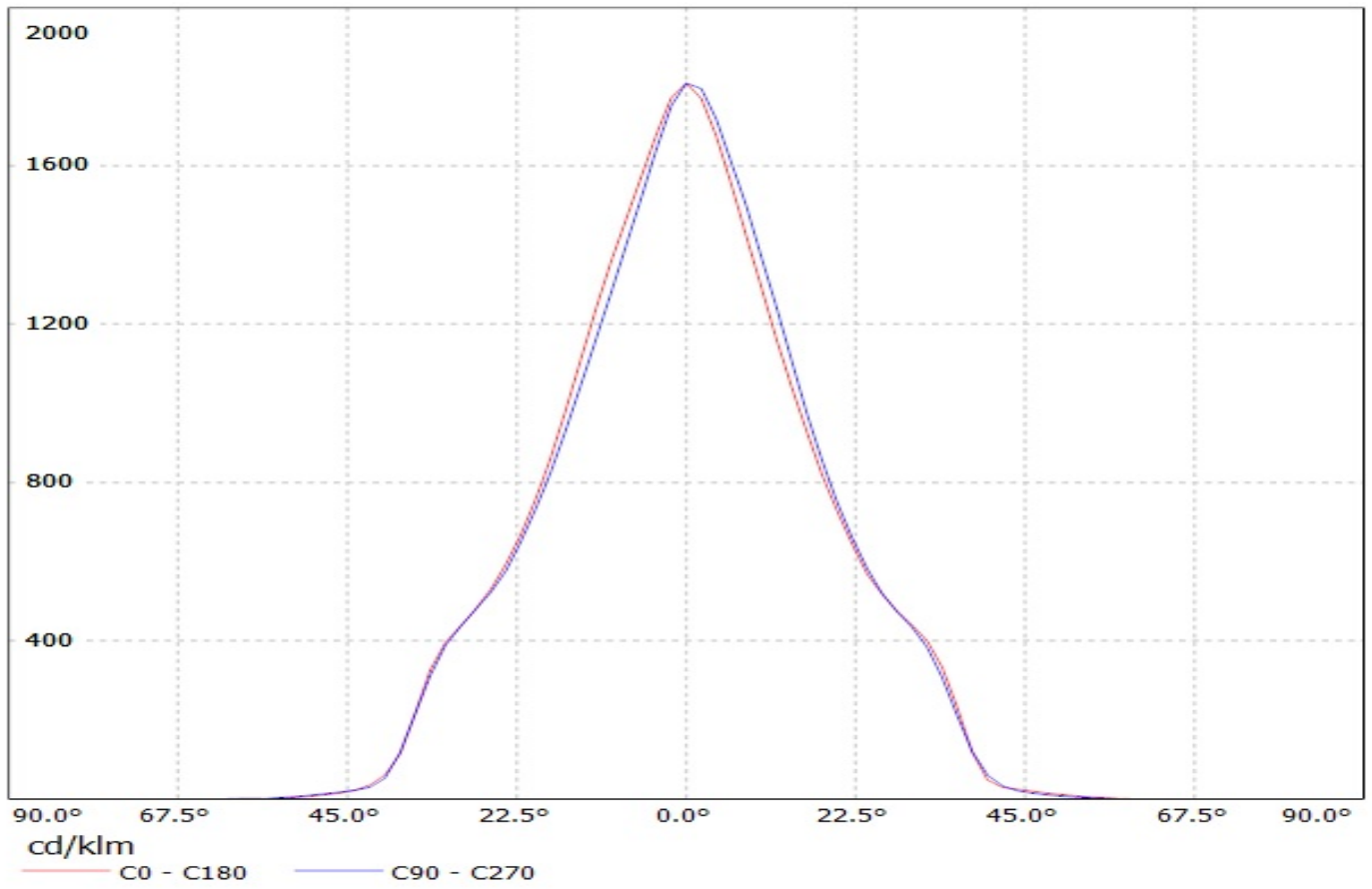
Luminaire: LEDiL Oy F13381_ANGELA-W_(PrevaLED_LES19)
Lamps: 1 x Osram_PrevaLED_CORE_Z3_LES19_(PL-CORE-2000-830-Z3)
_1356.73lm@250mA_P=10.5228W_I=249.9mA



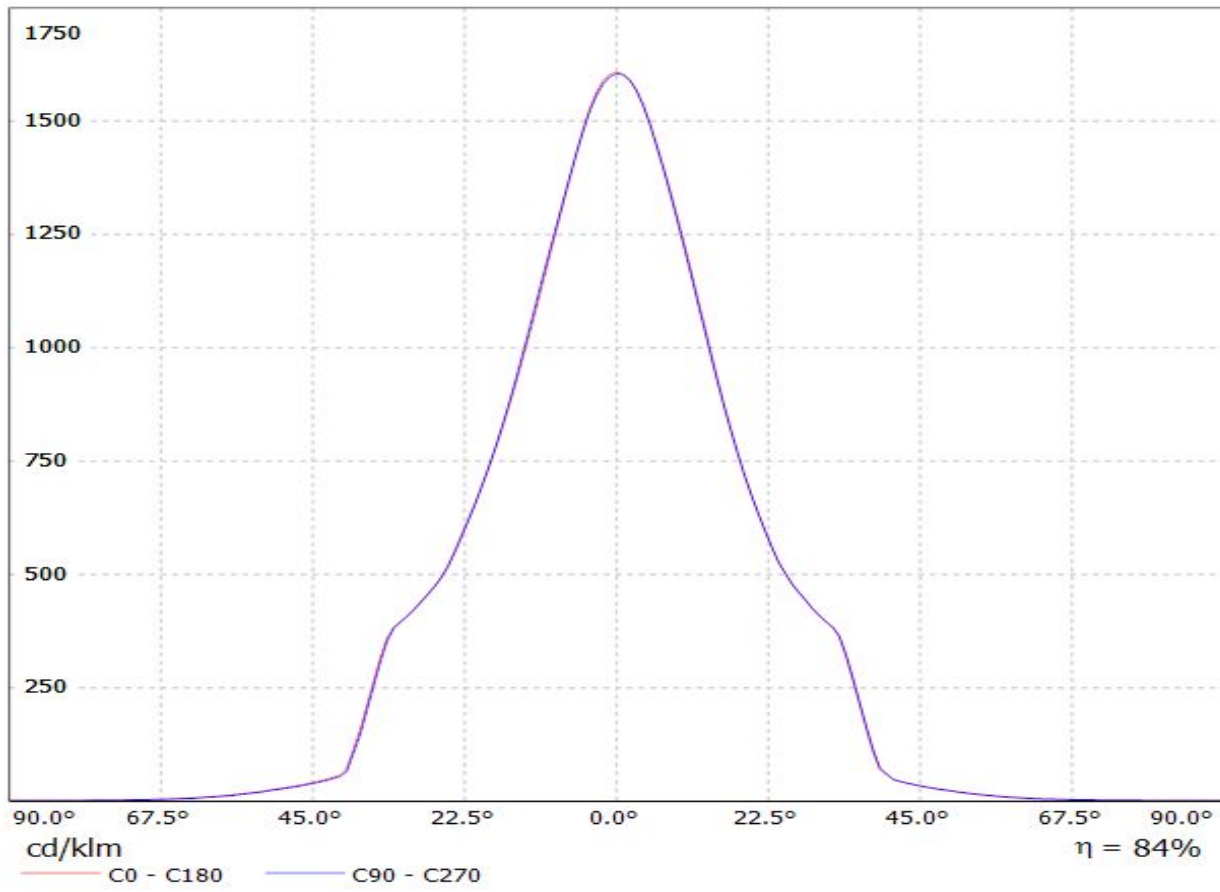
Luminaire: LEDiL Oy F13381_ANGELA-W_(PrevaLED_LES23)
Lamps: 1 x Osram_PrevaLED_Core_Z3_LES23_(PL-CORE-5000-930-Z3)
_1130.05lm@250mA_P=10.0097W_I=249.9mA



Luminaire: LEDil Oy F13381_ANGELA-W_(Soleriq_S13) Efficiency=85%
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 855lm @ 250mA CCT=3100K P=7.5W I=250mA

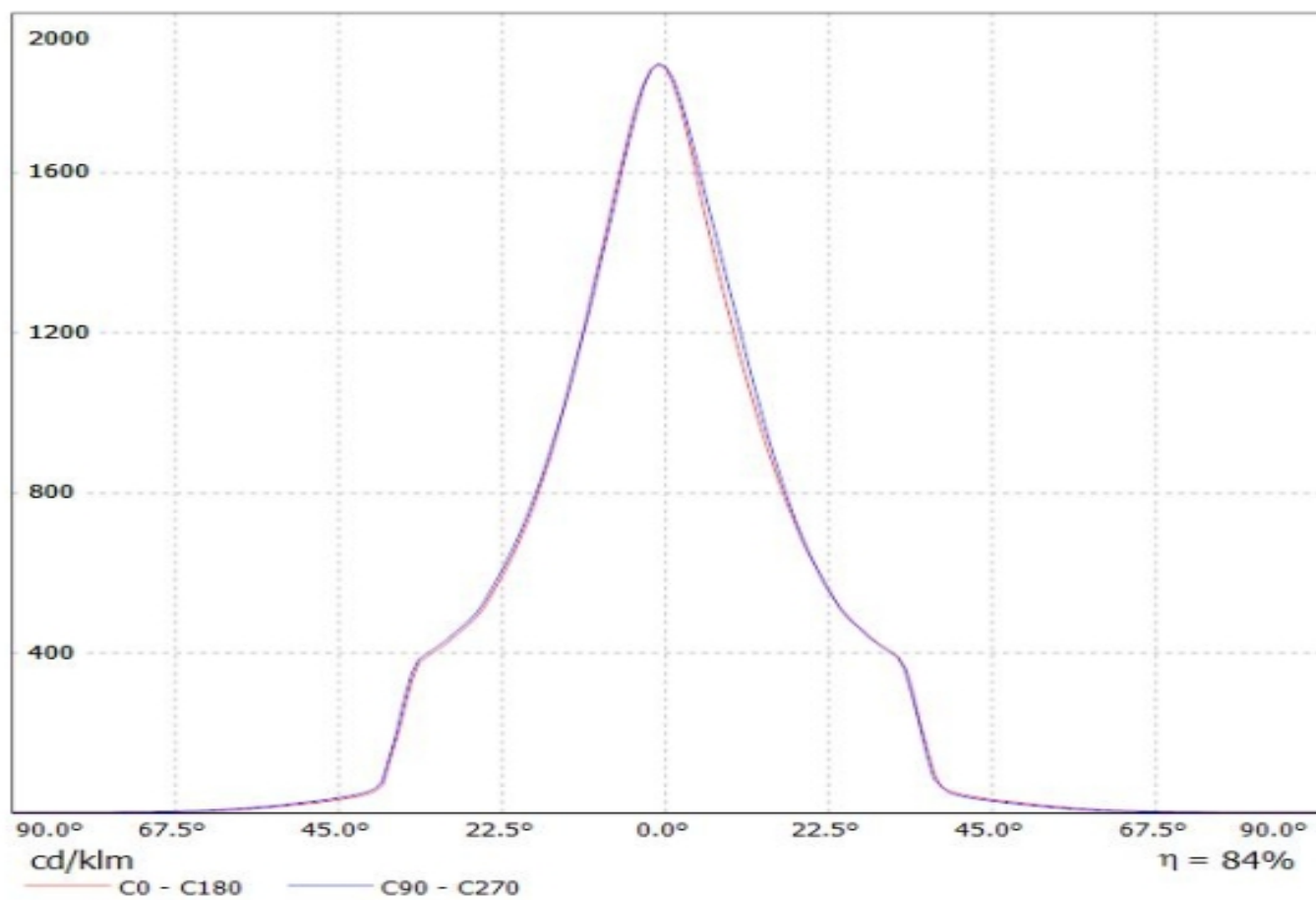


Luminaire: LEDiL Oy F13381_ANGELA-W_(SOLERIQ_S19_&_TE_2213407-2)
Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)_1385.15lm@250mA_CCT=3000K_P=10.5613W_I=249.8mA

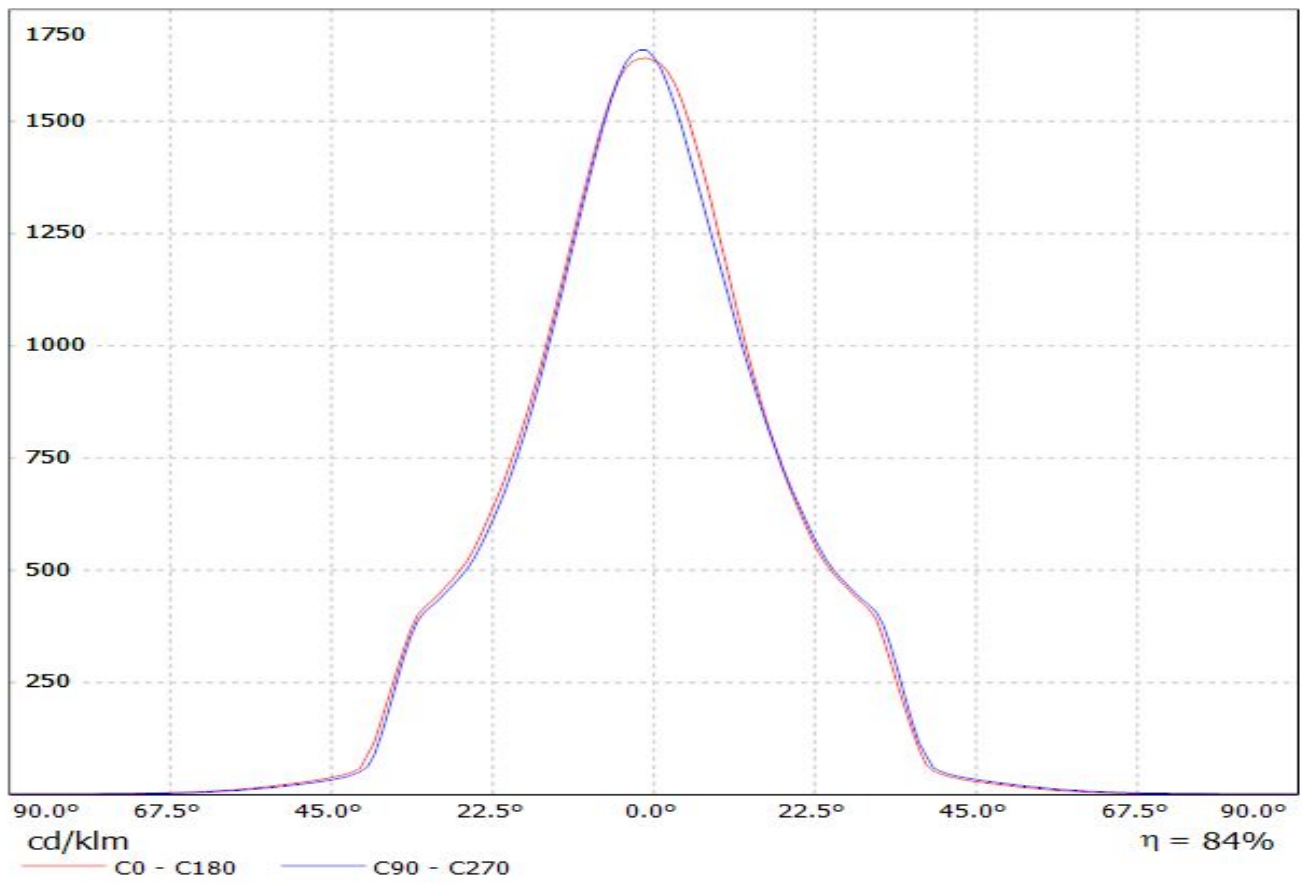


Luminaire: LEDiL Oy F13381_ANGELA-W_(LEP-800-827-C-AC)

Lamps: 1 x OSRAM PrevaLED Core AC (LEP-800-827-C-AC) 910lm@60mA U:230V P:14W

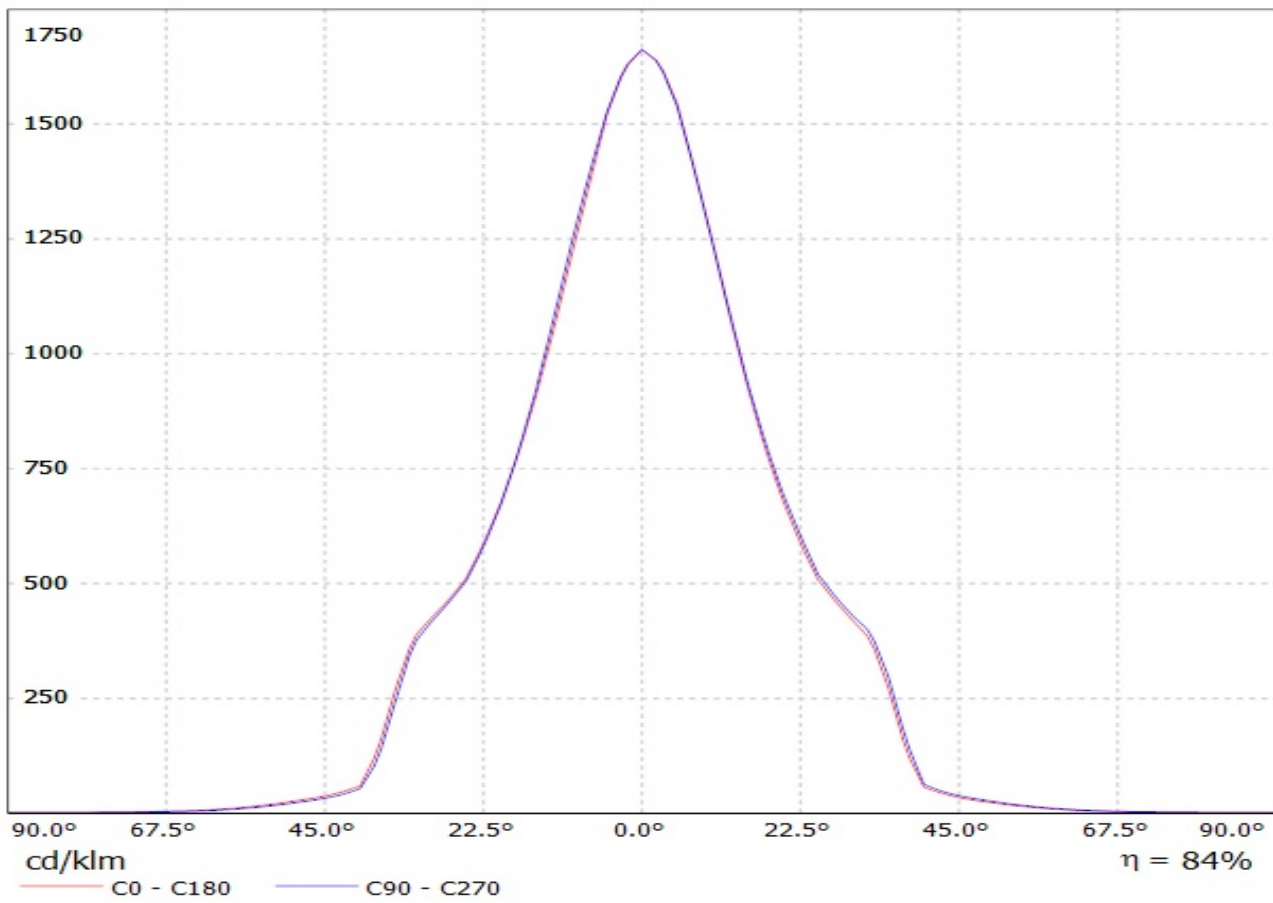


Luminaire: LEDiL Oy F13381_ANGELA-W_(LEP-2000-827-C-AC)
Lamps: 1 x OSRAM PrevaLED Core AC (LEP-2000-827-C-AC)



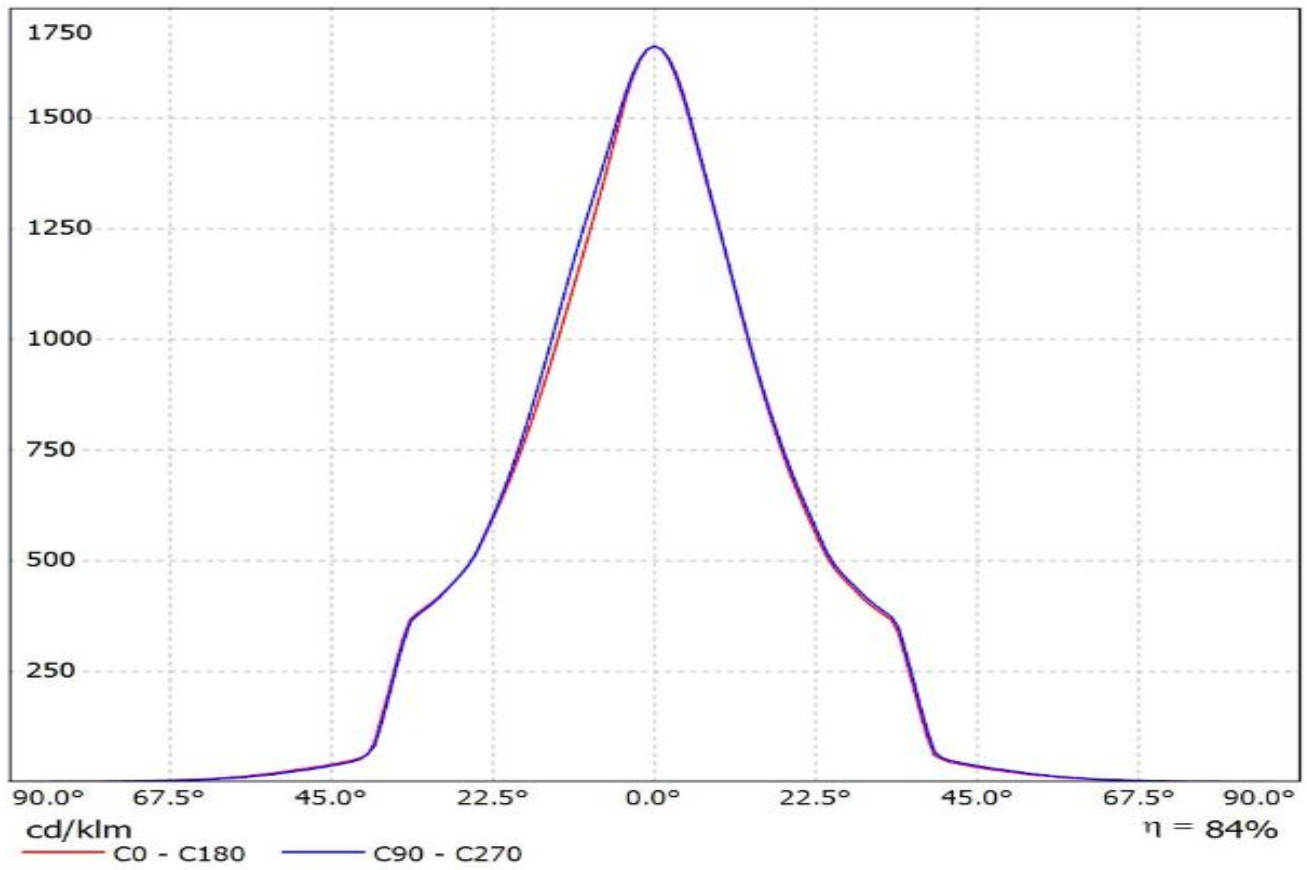
Luminaire: LEDiL Oy F13381_ANGELA-W_(PrevaLED_Z4)Eff 84%

Lamps: 1 x Osram_PrevaLED_CORE_Z4_(PL-CORE-3000-830-Z4)_1423.93lm@250mA_P=10.7652W_I=249.9mA



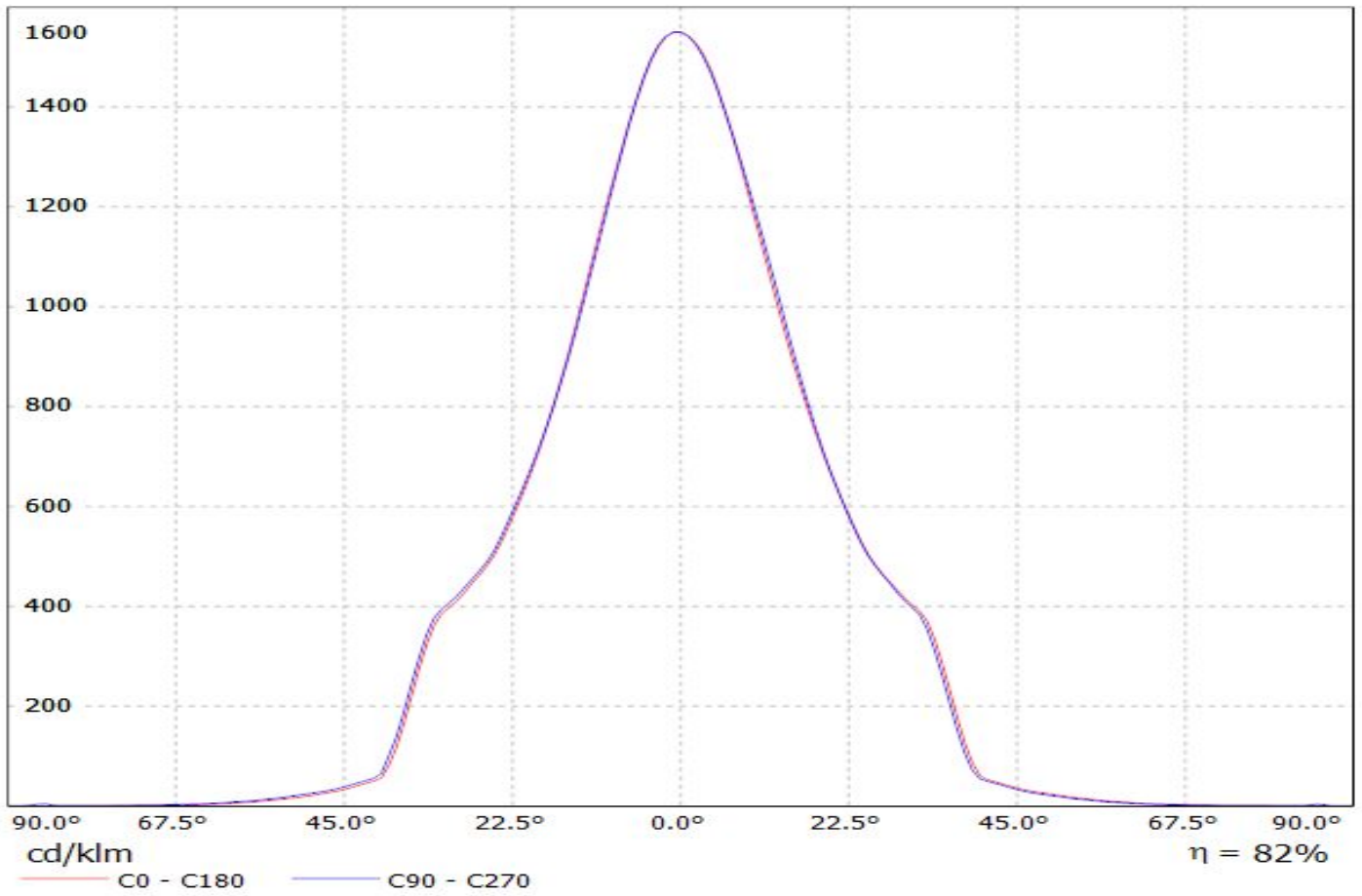
Luminaire: LEDiL Oy F13381_ANGELA-W_(SOLERIQ_P13)

Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_1038.25lm@250mA_CCT=3000K_P=8.77223W_I=249.8mA



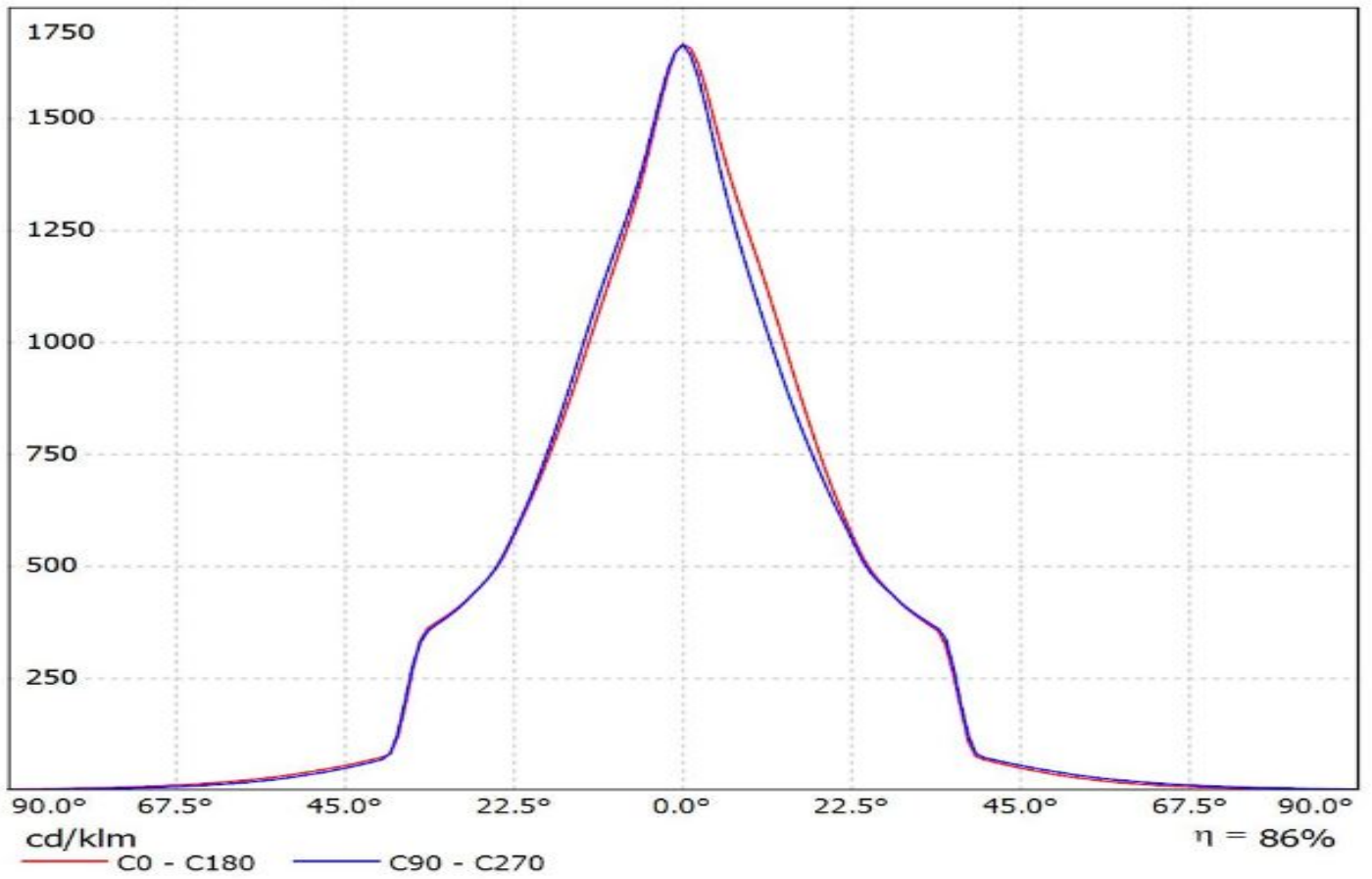
Luminaire: LEDiL Oy FCN13704_ANGELA-W_(Soleriq_S19)_462_Typ_L3

Lamps: 1 x Osram_Soleriq_S19_(GW_KAHJB1.EM)_1497.37lm@250mA_P=11.1223W_I=0.2532A



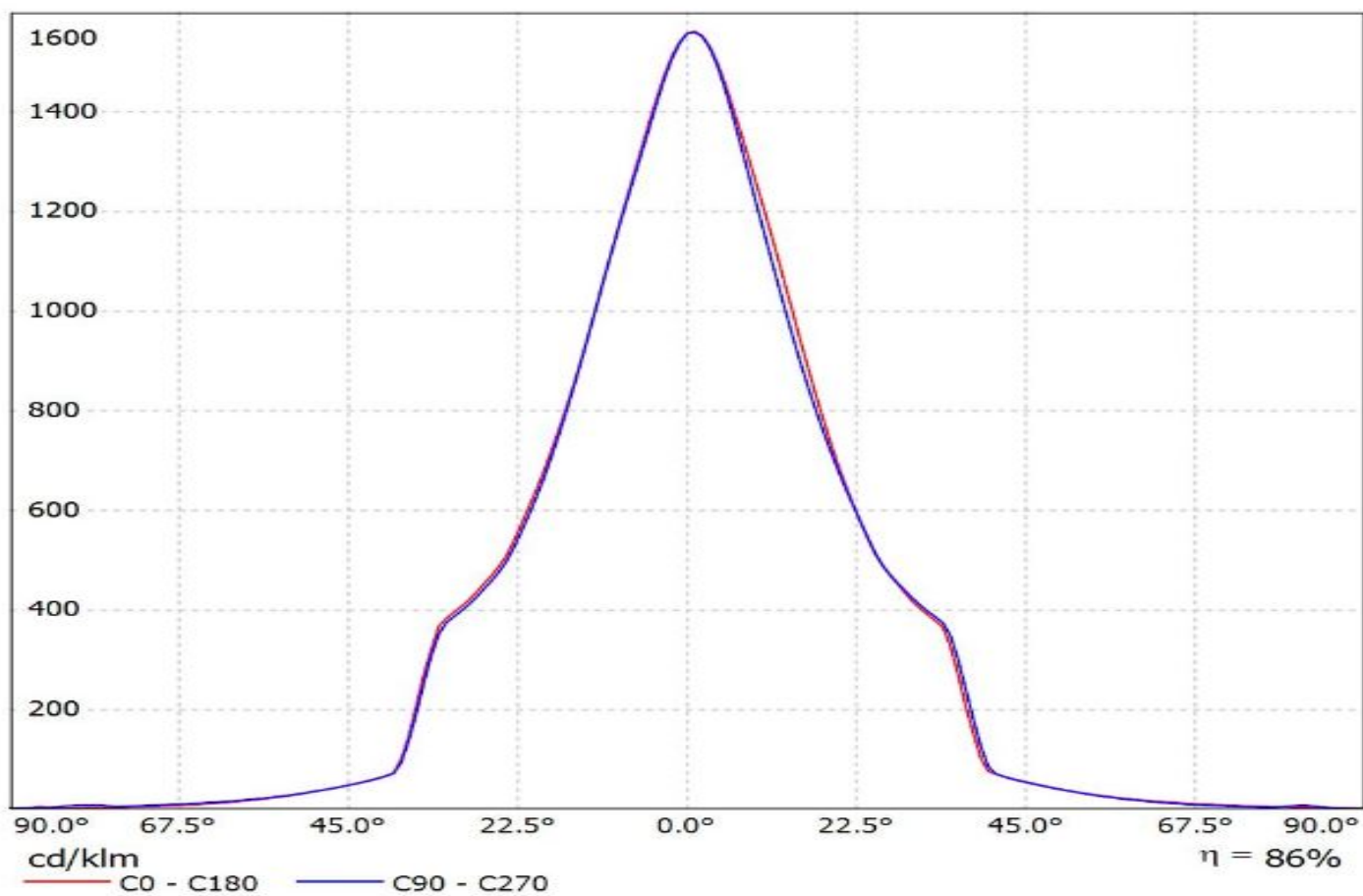
Luminaire: Ledil FCN13707_ANGELA-W_(Soleriq_P9)

Lamps: 1 x Osram_Soleriq_P9_(GW_MAFJB1.EM)_972.417lm@250mA_CCT=4299K_P=6.9W_I=0.25A



Luminaire: Ledil FCN13707_ANGELA-W_(Soleriq_P13)

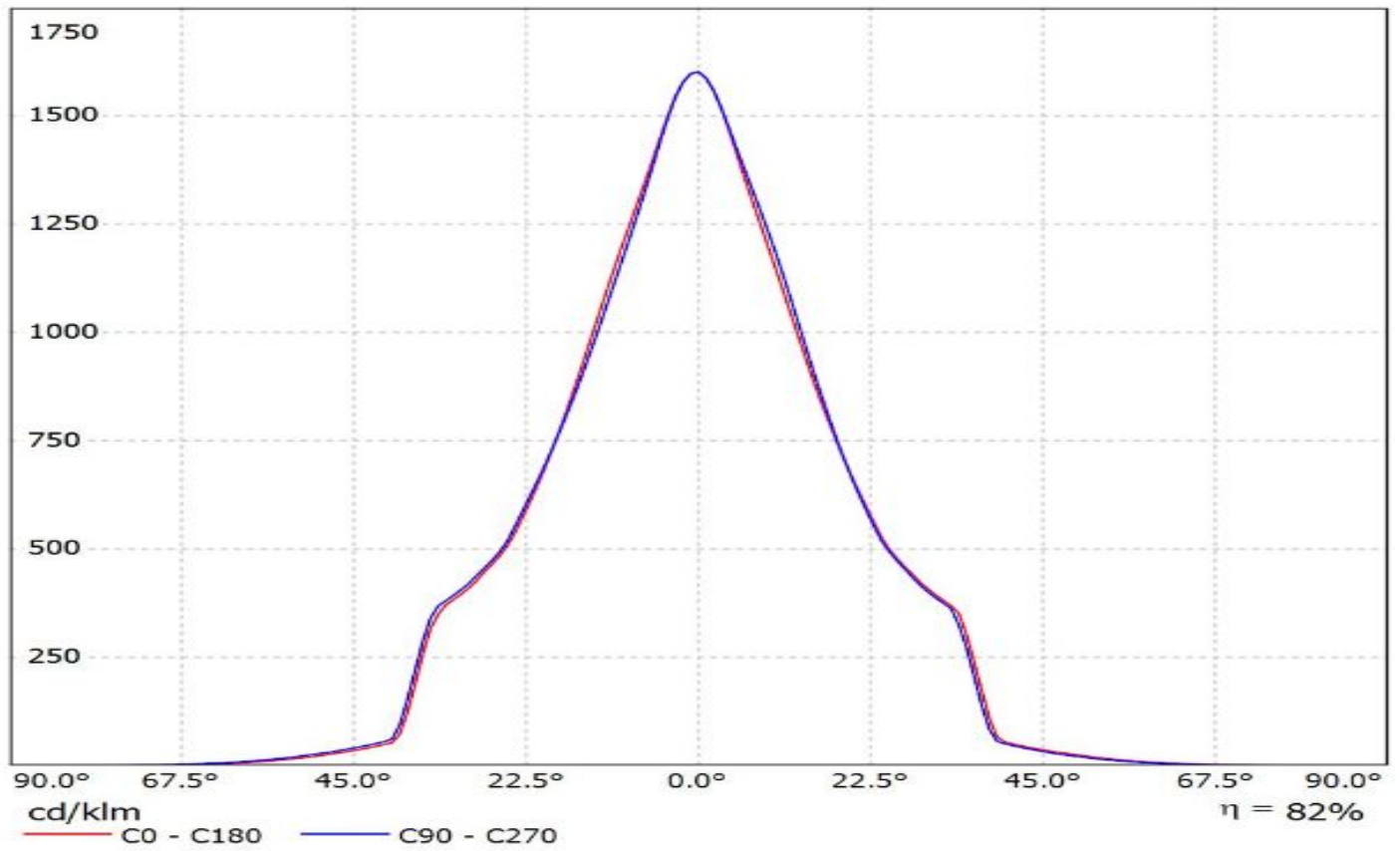
Lamps: 1 x Osman_Soleriq_P13_1009.11lm@250mA_P=6.9385W_I=0.25A



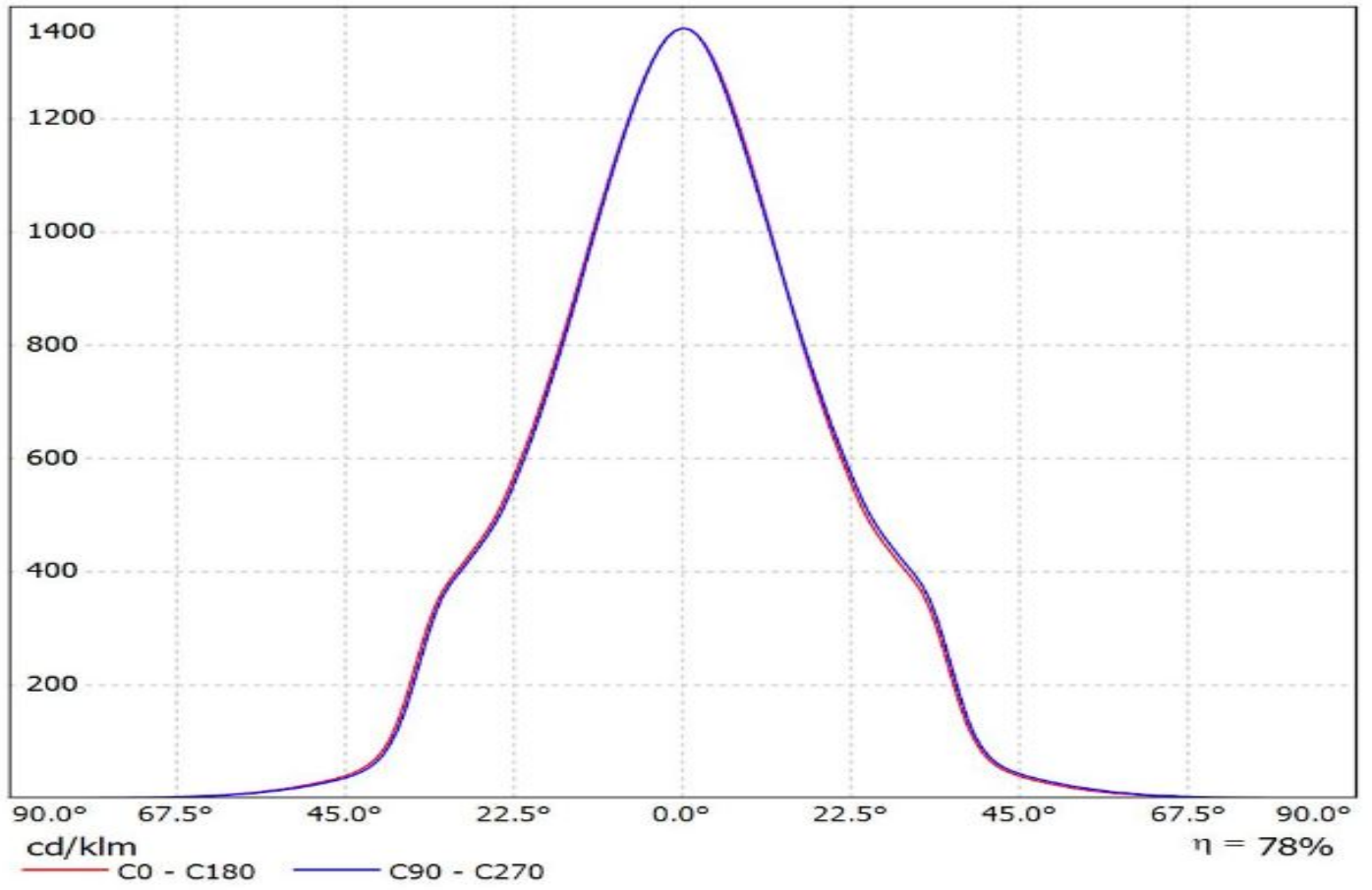
Ledil FCN13707_ANGELA-W_(Soleriq_S13) / LDC (Linear)

Luminaire: Ledil FCN13707_ANGELA-W_(Soleriq_S13)

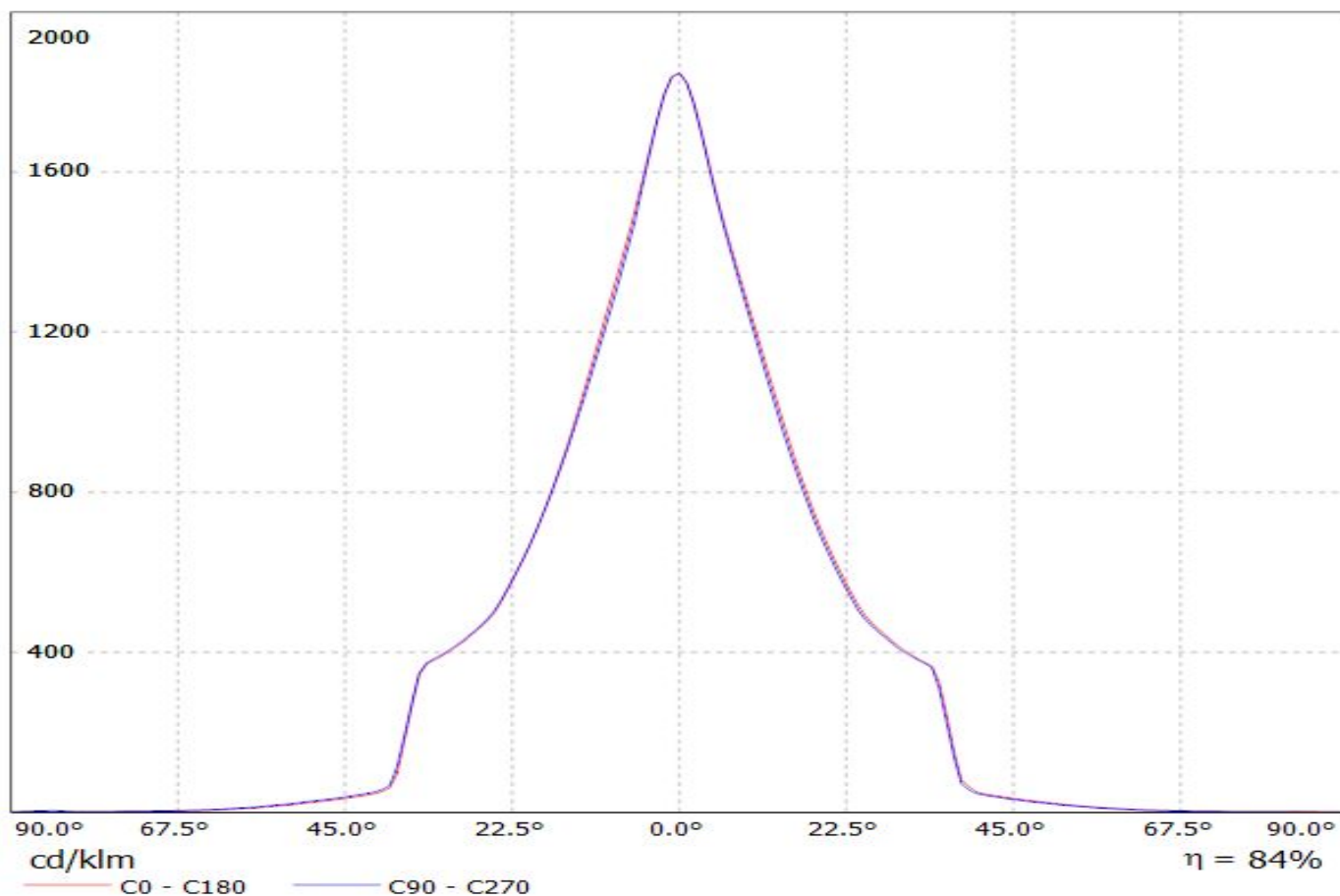
Lamps: 1 x Osram_Soleriq_S13_(GW_KAGHB1.EM)_896.727lm@250mA_P=7.44679W_I=250mA



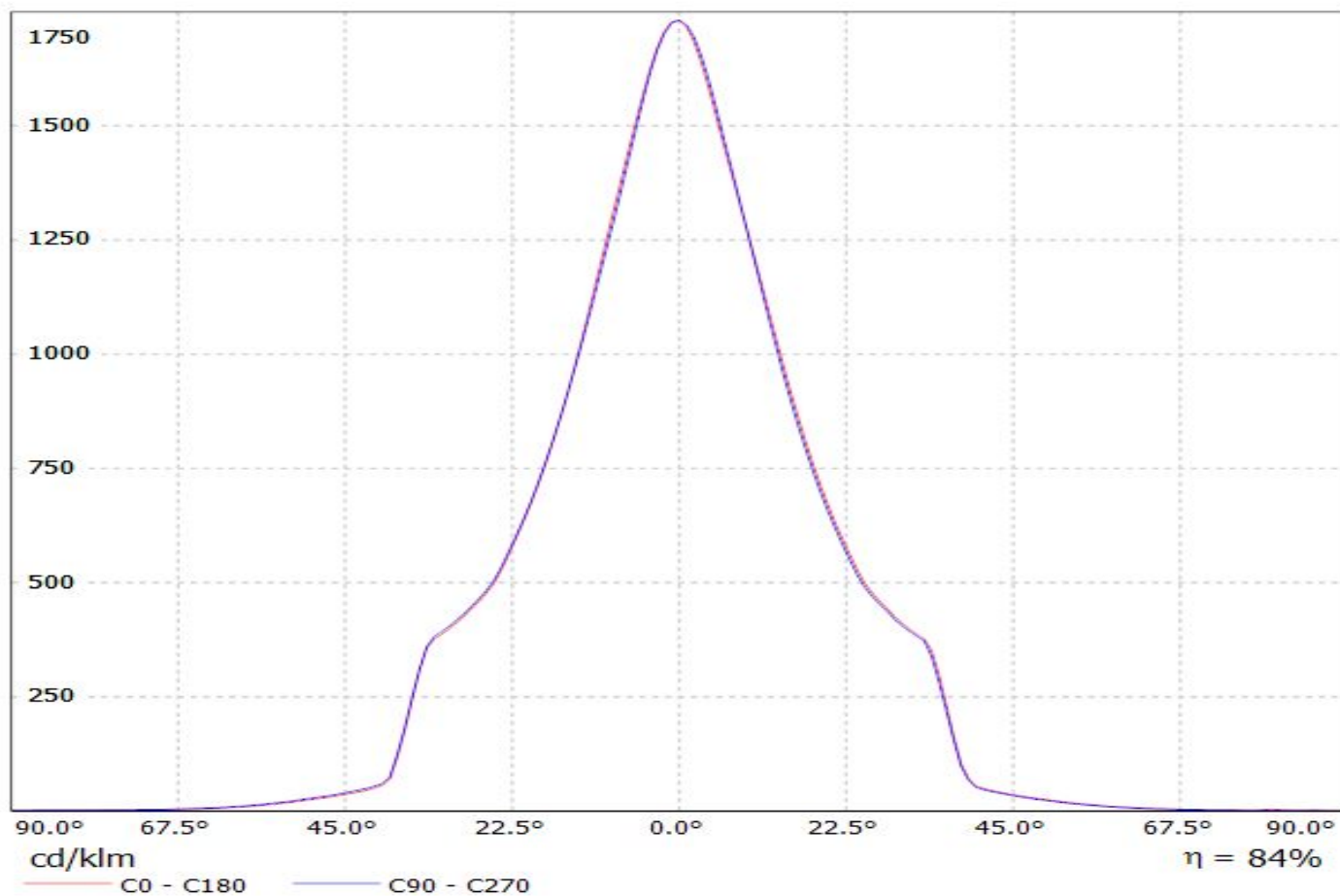
Luminaire: Ledil FC13993_ANGELA-RZ-W_(PREVALED_Core_Z4)
Lamps: 1 x PREVALED_Core_Z4_LES19_1470.62lm@250mA_P=10.828W_I=0.25A



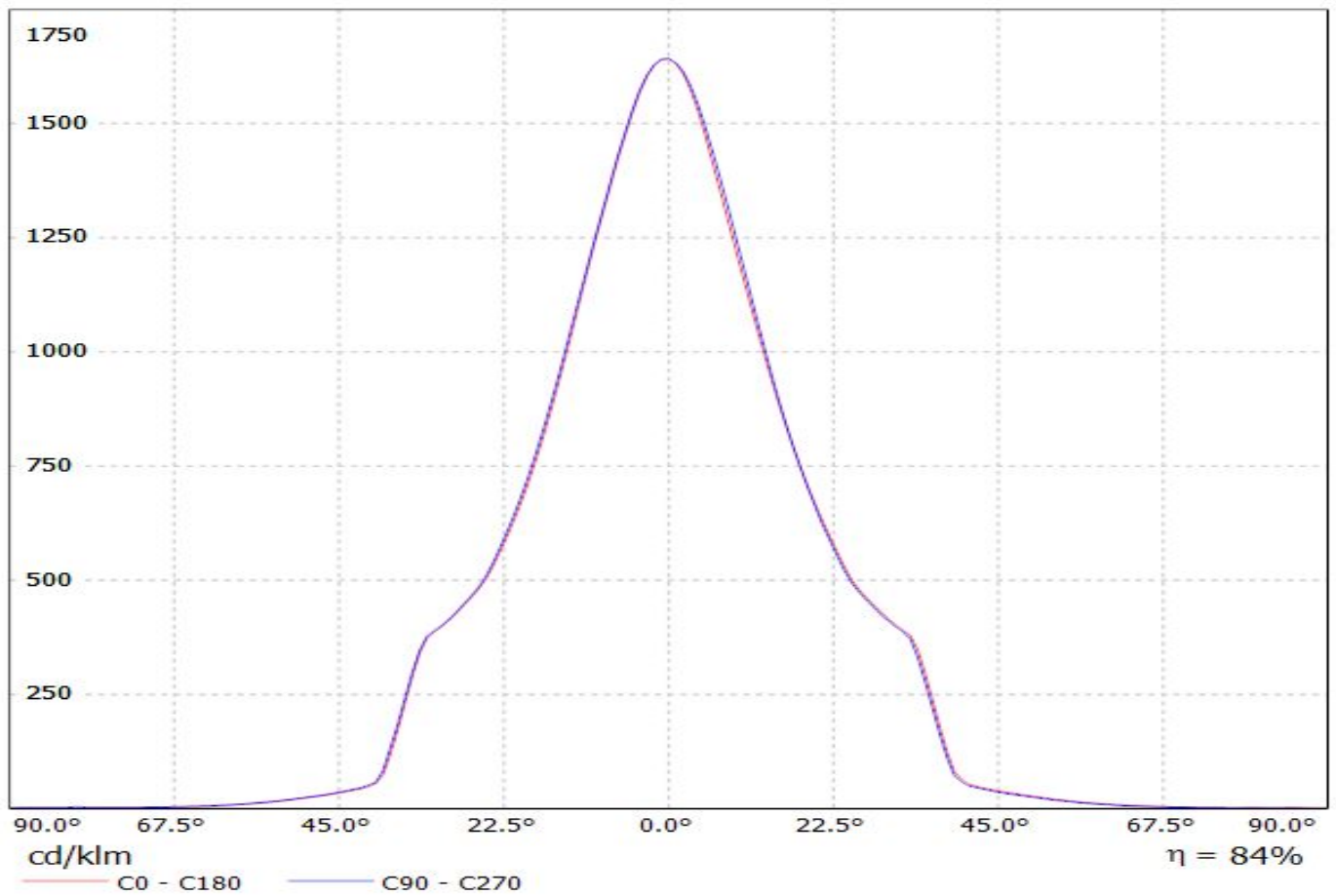
Luminaire: LEDiL Oy F13381_ANGELA-W_(Fortimo LED SLM 1100 lm 830 L9 G4)
Lamps: 1 x Fortimo LED SLM 1100 lm 830 L9 G4_1021.27lm@250mA_P=9.2431W_I=0.2498A



Luminaire: LEDiL Oy F13381_ANGELA-W_(Fortimo LED SLM L13 G4)
Lamps: 1 x Fortimo LED SLM L13 G4_1030.19lm@250mA_P=8.38104W_I=0.2498A

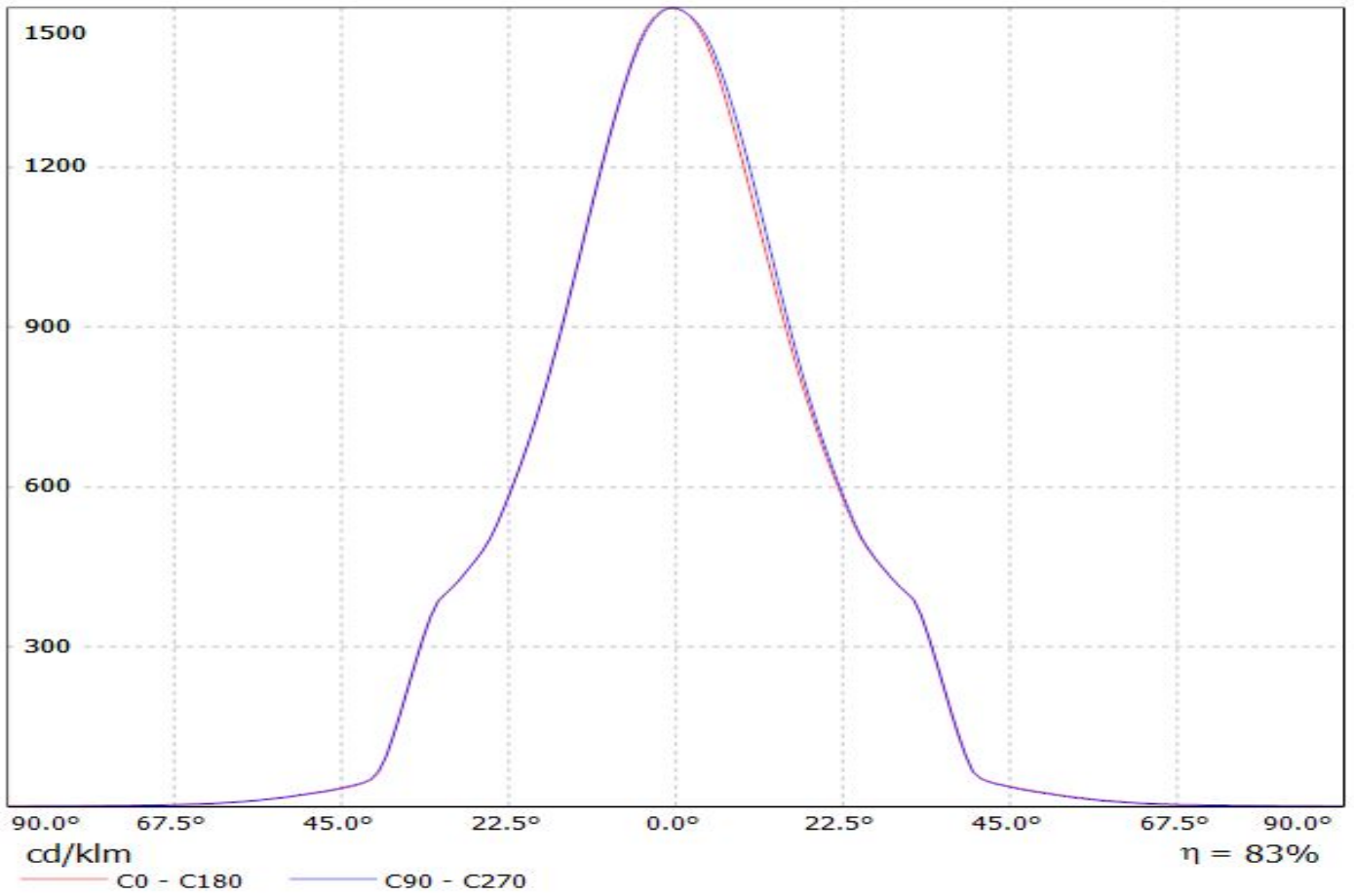


Luminaire: LEDiL Oy F13381_ANGELA-W_(Fortimo LED SLM L15 G4)
Lamps: 1 x Fortimo LED SLM L15 G4_1116.47lm@250mA_P=8.21168W_I=0.2498A

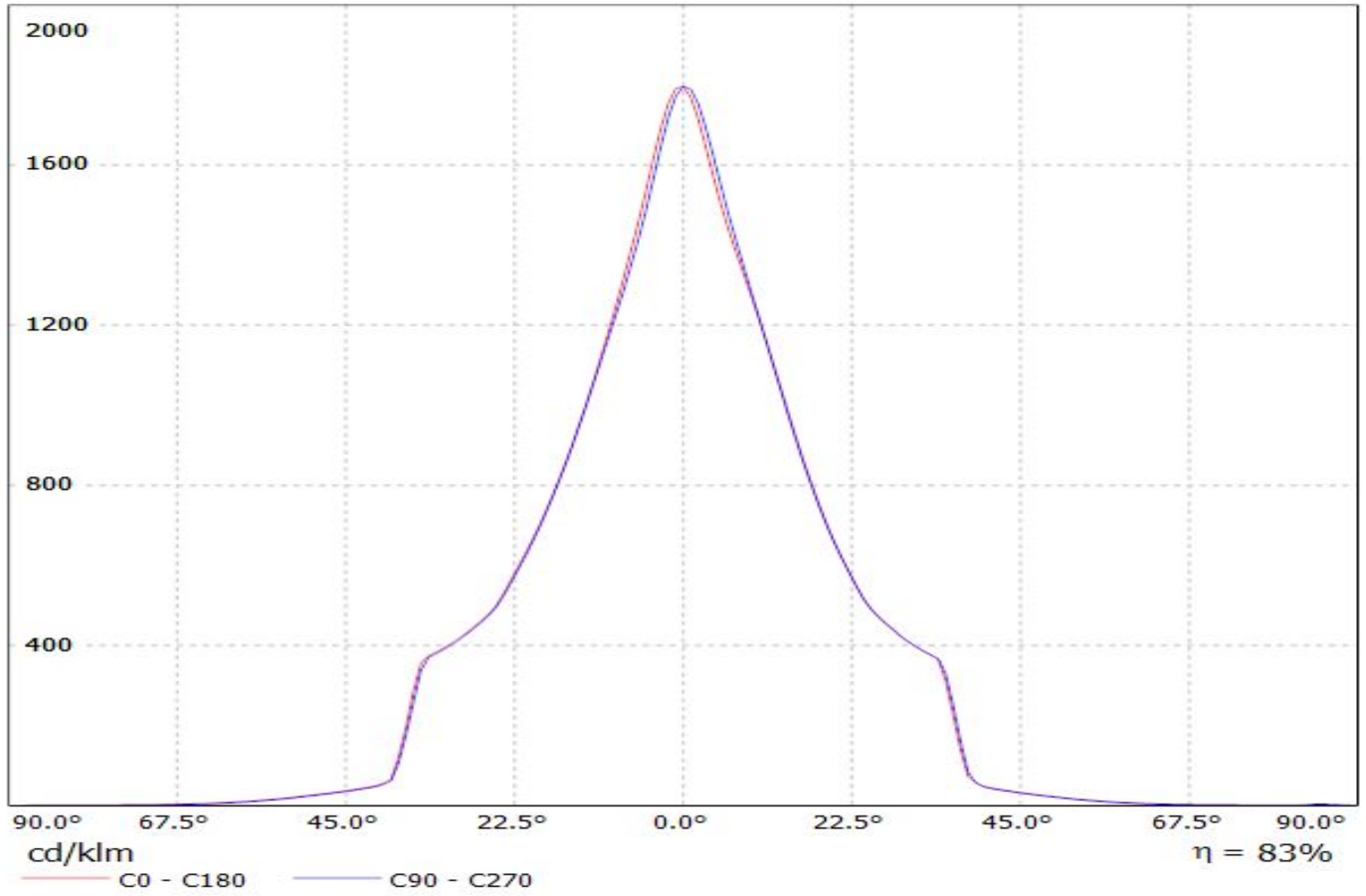


Luminaire: LEDiL Oy F13381_ANGELA-W_(Fortimo LED SLM L19 G4)

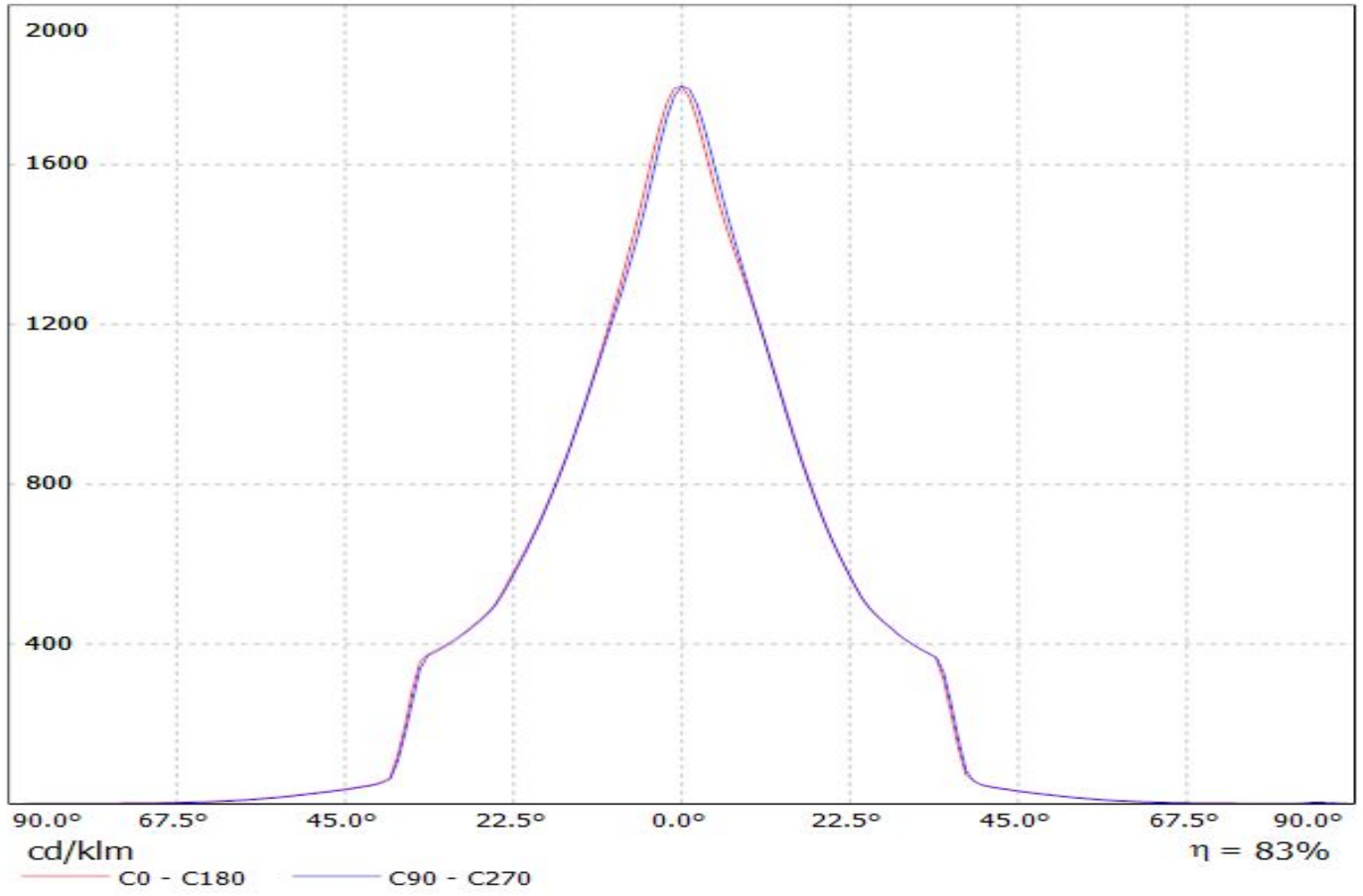
Lamps: 1 x Fortimo LED SLM L19 G4_1114.89lm@250mA_P=8.04906W_I=0.2498A



Luminaire: LEDiL Oy F13381_ANGELA-W_(SLM-G5-LES-9)_ (Z50-Optic-Clip)
Lamps: 1 x Fortimo_SLM-G5-LES-9_1182.49lm@250mA_P=8.5848W_I=0.250A

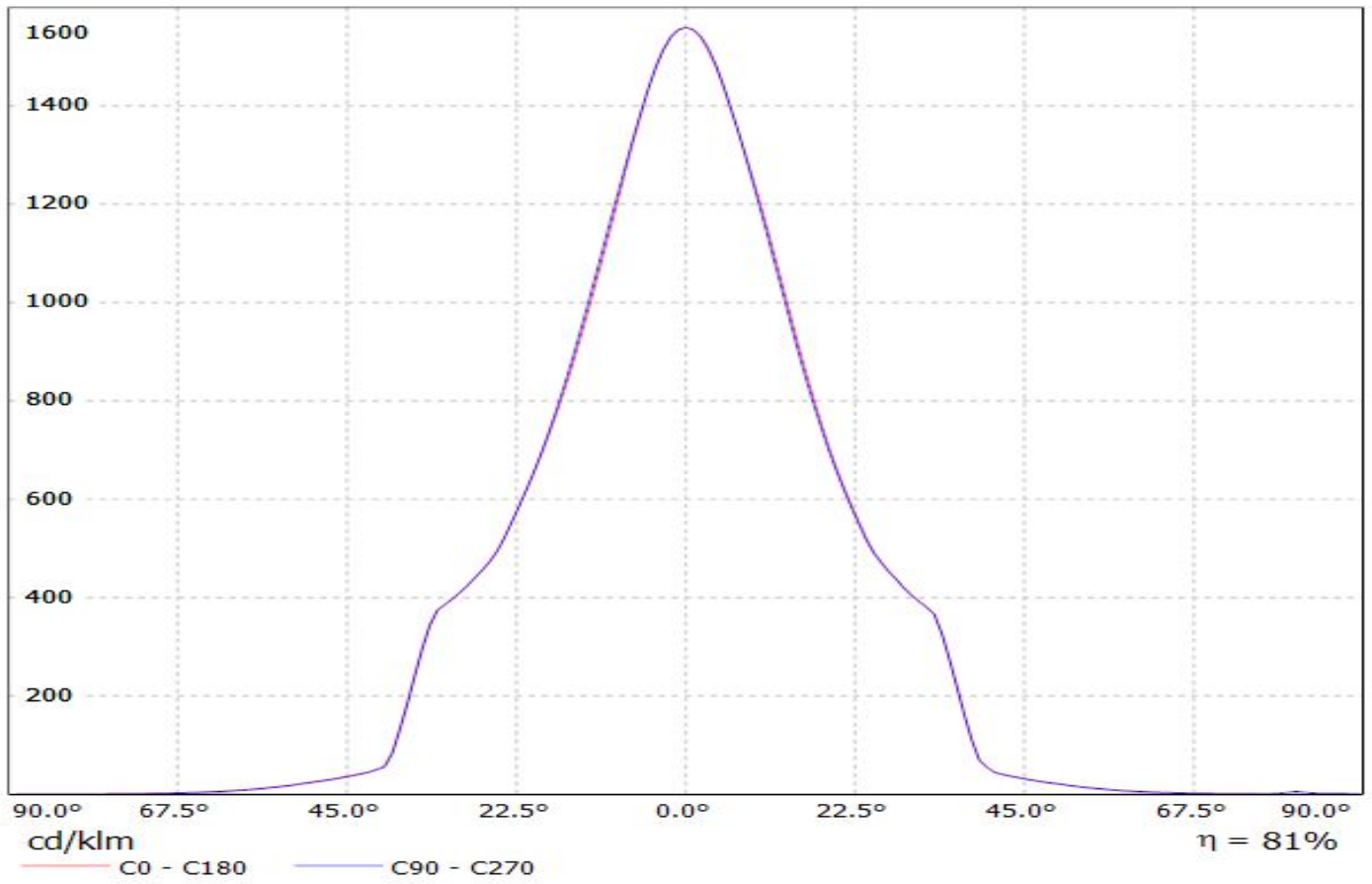


Luminaire: LEDiL Oy F13381_ANGELA-W_(SLM-G5-LES-9)_ (Z50-Optic-Clip)
Lamps: 1 x Fortimo_SLM-G5-LES-9_1182.49lm@250mA_P=8.5848W_I=0.250A

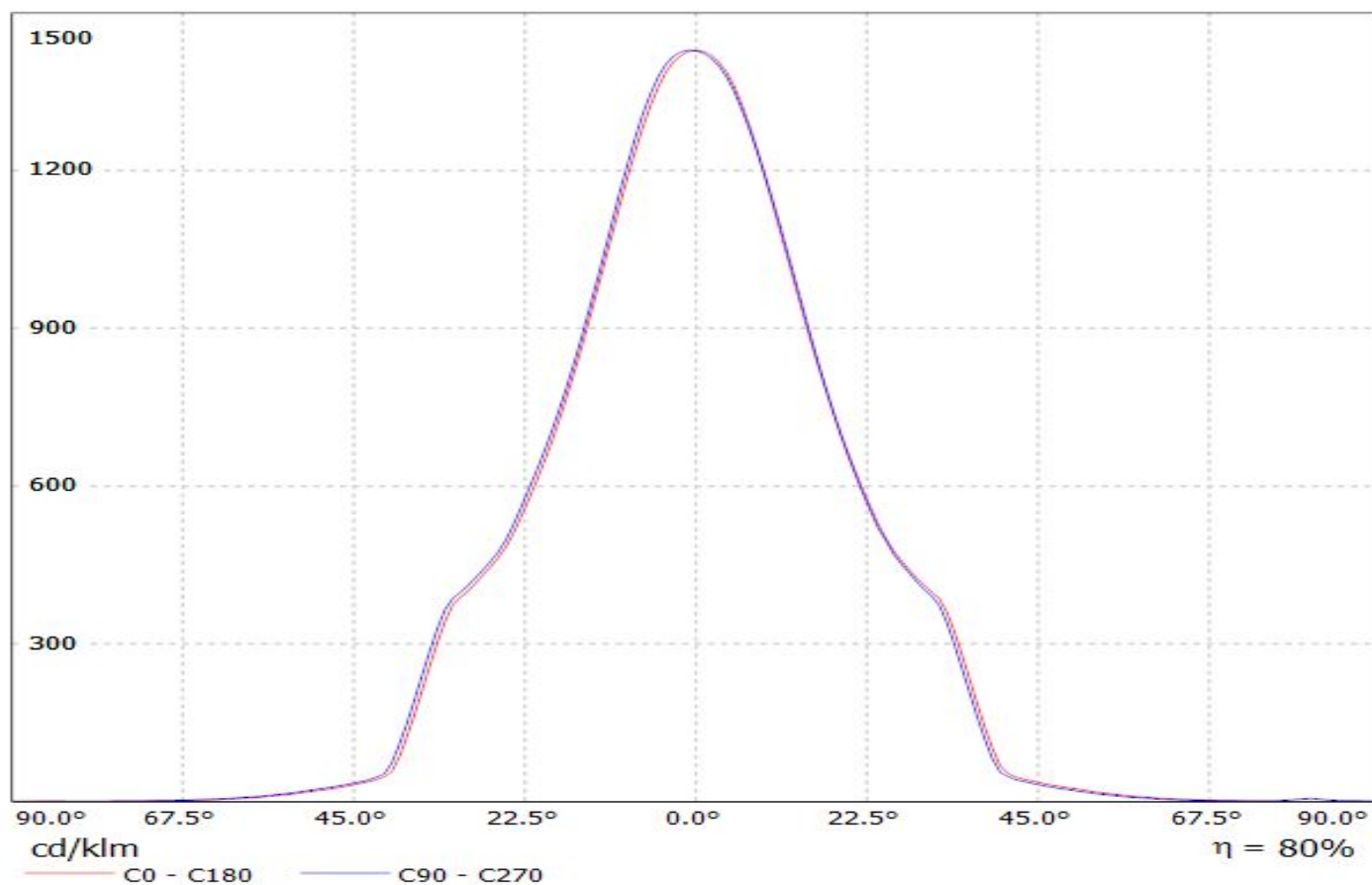


Luminaire: LEDiL Oy F13381_ANGELA-W_(SLM-G5_LES-15)

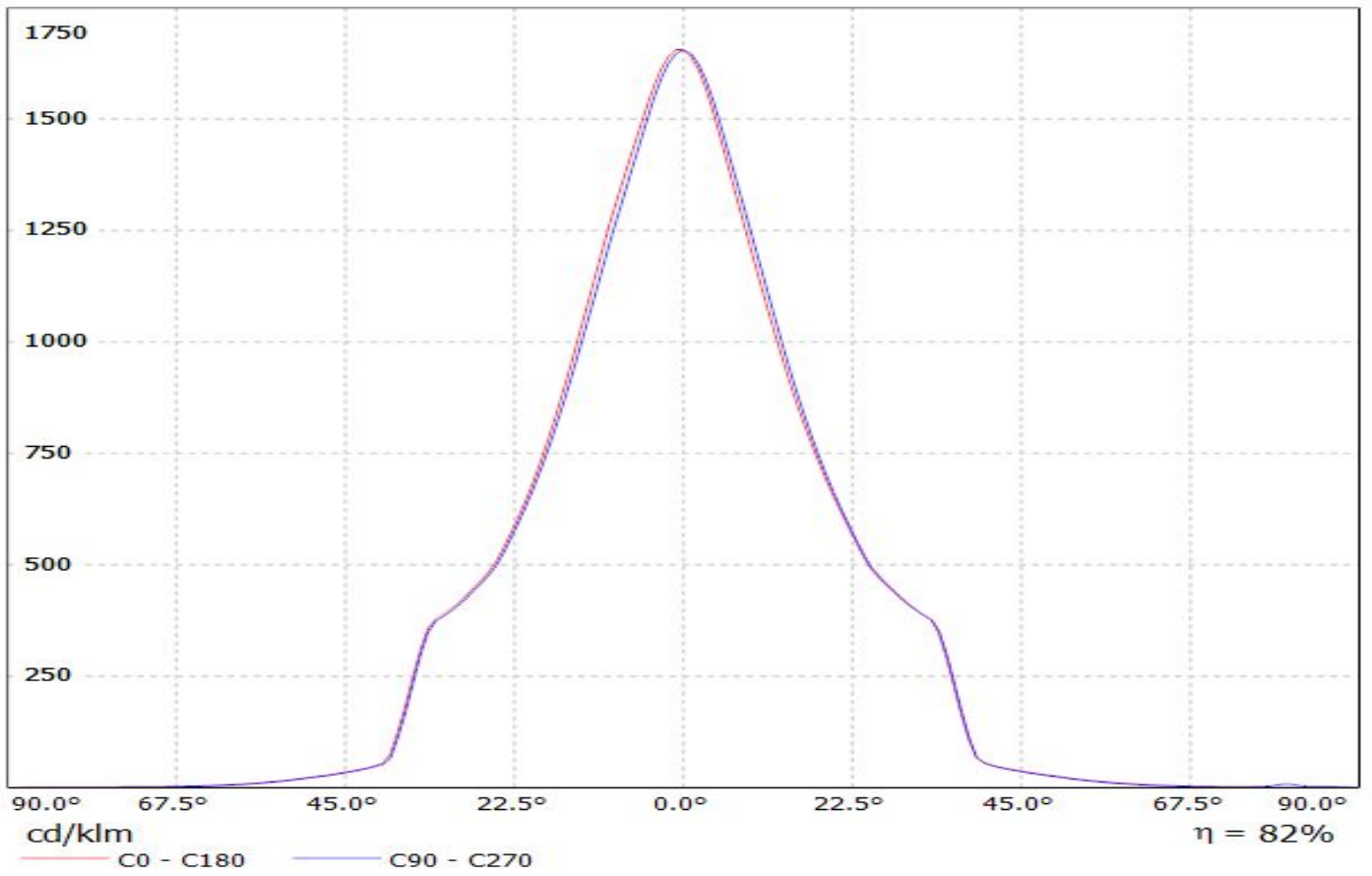
Lamps: 1 x Fortimo_SLM-G5_LES-15_1257.61lm@250mA_P=8.1569W_I=0.250A



Luminaire: LEDiL Oy F13381_ANGELA-W_(SLM-G5_LES-19)_ (Z50_Optic_Clip)
Lamps: 1 x Fortimo_SLM-G5_LES-19_1397.58lm@250mA_P=8.0385W_I=0.250A

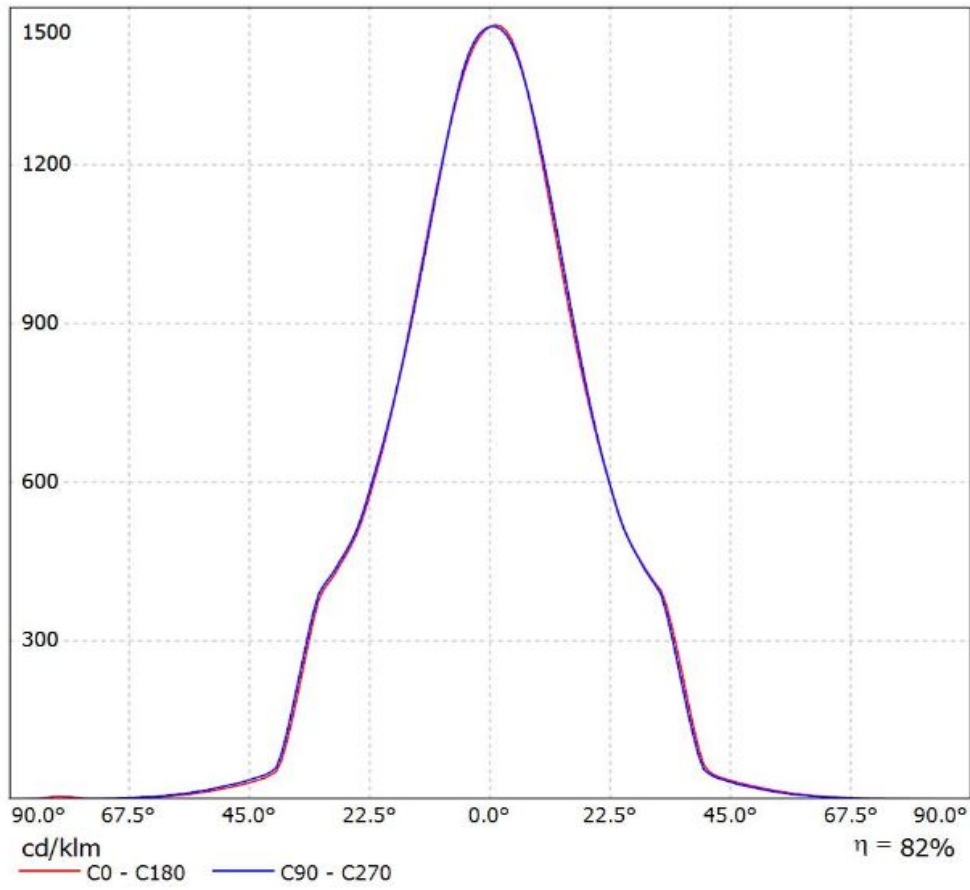


Luminaire: LEDiL Oy F13381_ANGELA-W_(SLM-G5_LES-13)_ (Z50-Optic-Clip)
Lamps: 1 x Fortimo_SLM-G5_LES-13_1300.47lm@250mA_P=8.4010W_I=0.250A



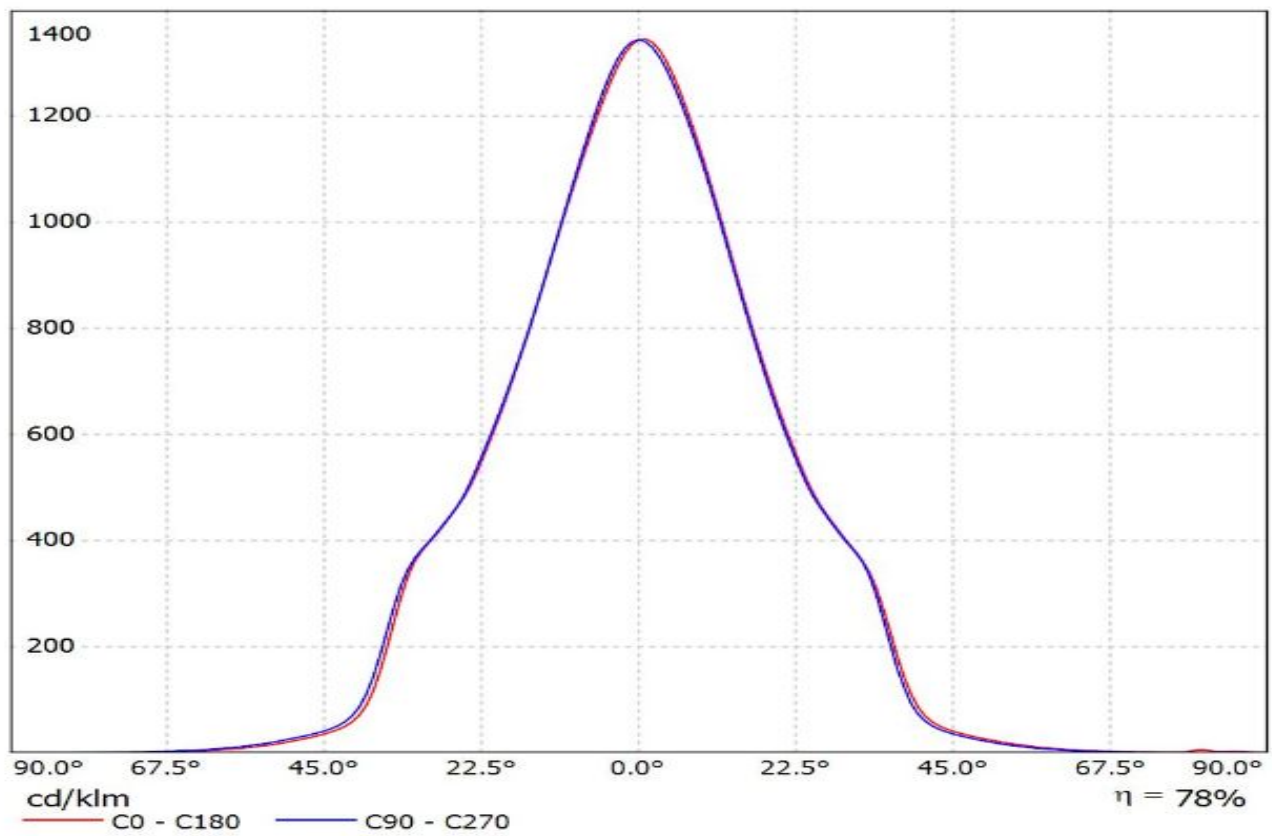
Luminaire: Ledil F13381_ANGELA-W_(SLM_1211_L19_G6_+TE)

Lamps: 1 x Philips_Fortimo_SLM_1211_L19_G6_Standard_+_TE_OPTIC_CLIP_Z50_TYPE1:_2213194-1_1146.84lm@250mA_P=8.13175W_I=0.25A

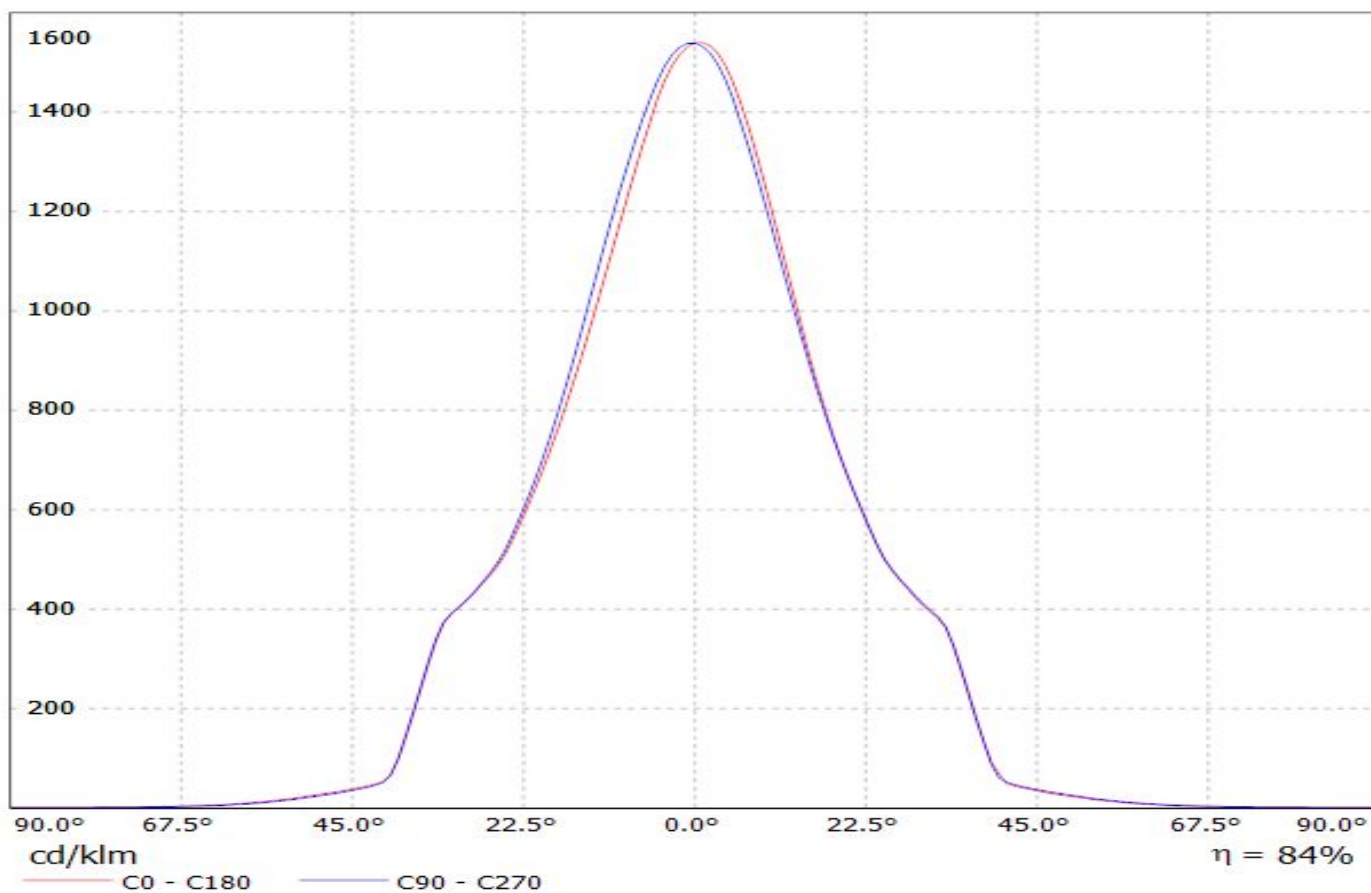


Luminaire: Ledil FC13993_ANGELA-RZ-W (SLM_G5_LES_15_+TE)

Lamps: 1 x Philips_SLM_G5_LES_15_+TE_2213194-1_1277.72lm@250mA_P=8.208W_I=0.25A

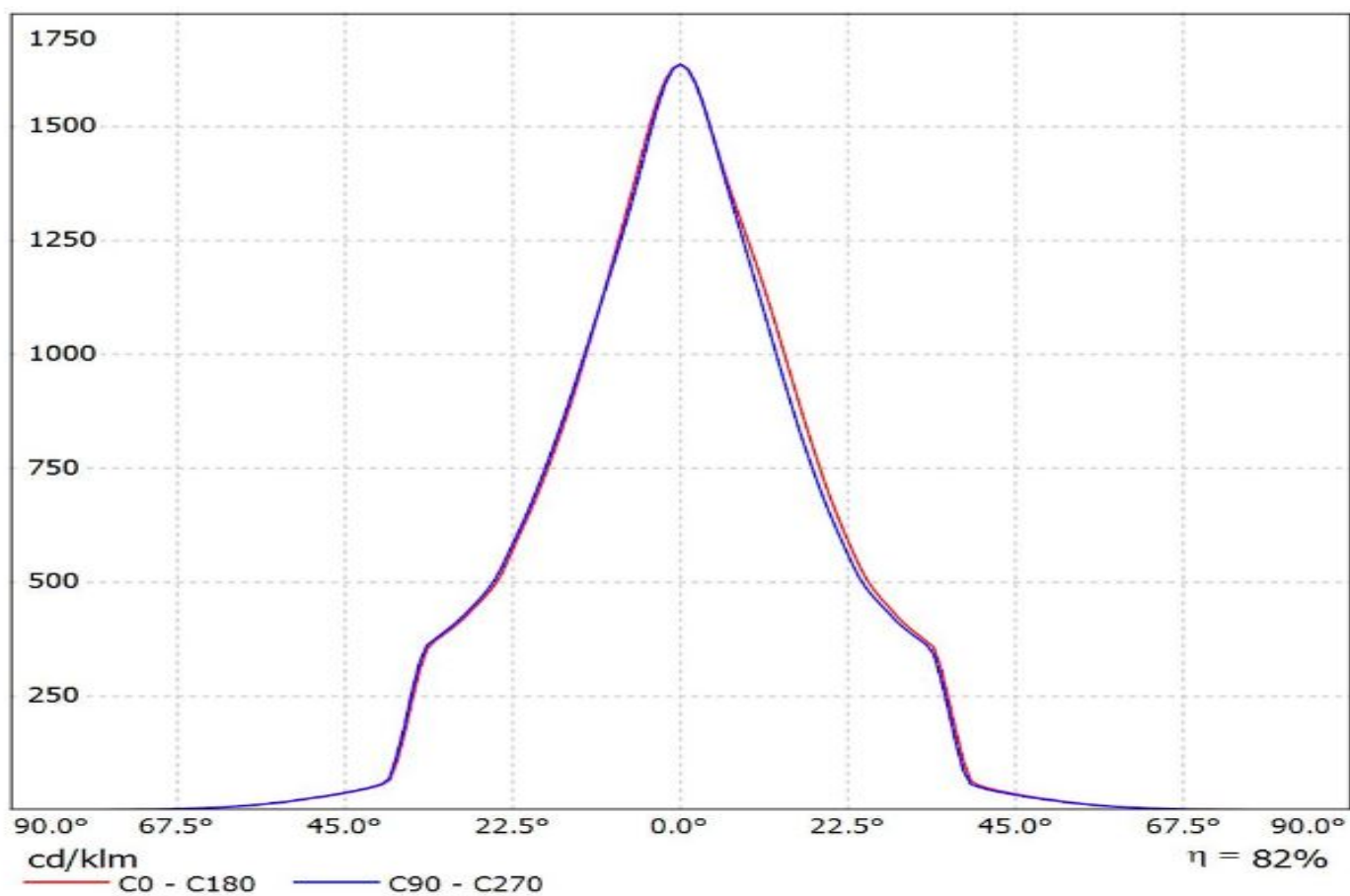


Luminaire: LEDiL Oy F13381_ANGELA-W_(COB-LC026B) Eff.83.8%
Lamps: 1 x SAMSUNG_COB-LC026B_(SPHWWTHDNC25YHV52F)
_1122.94lm@250mA_P=8.2479W_I=249.8mA

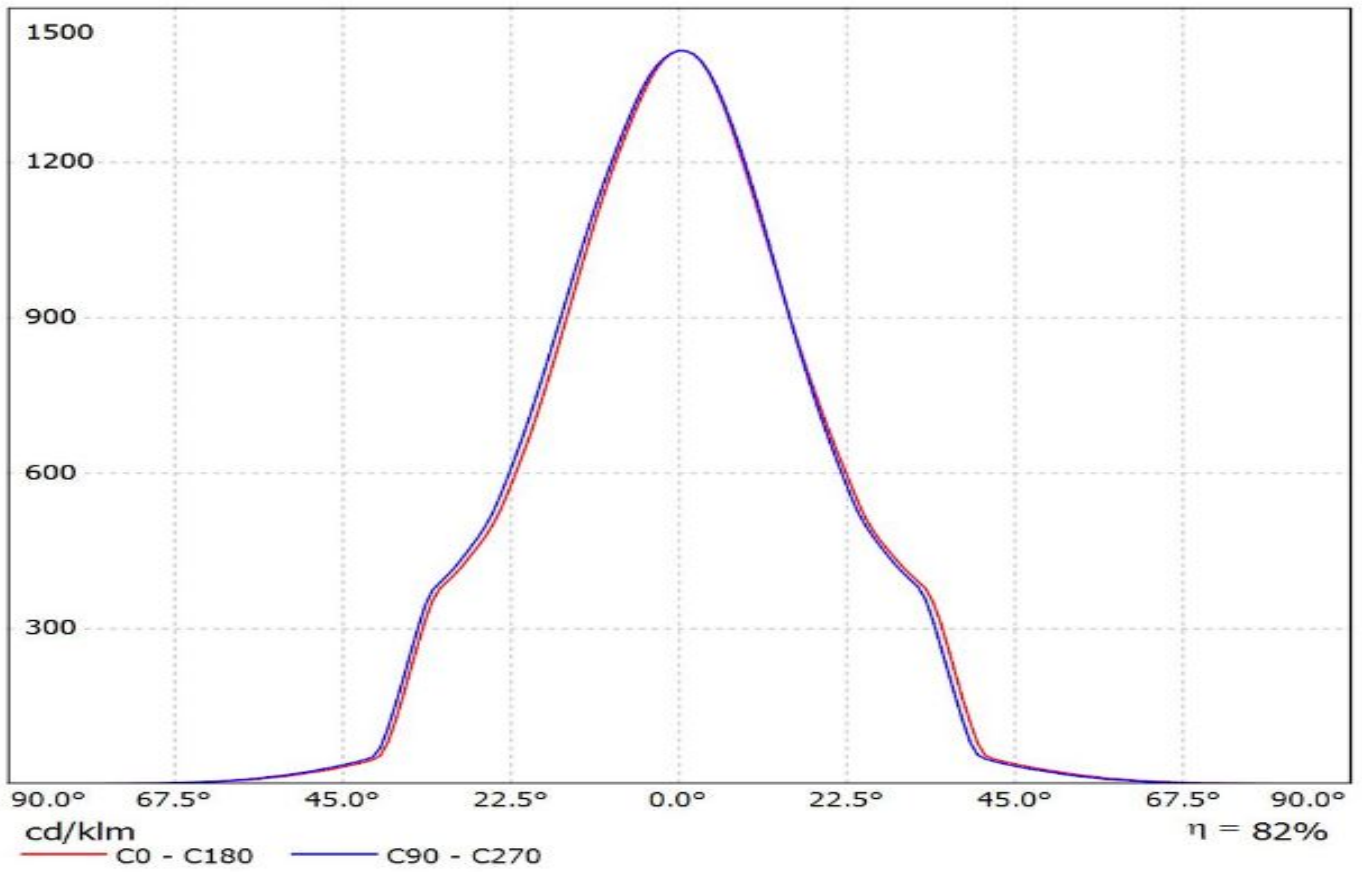


Luminaire: Ledil F13381_ANGELA-W_(LC040C+TE)

Lamps: 1 x Samsung_LC040C+_2213382-2+_2213194-1_1194.16lm@250mA_CCT=4000K_P=8.137W

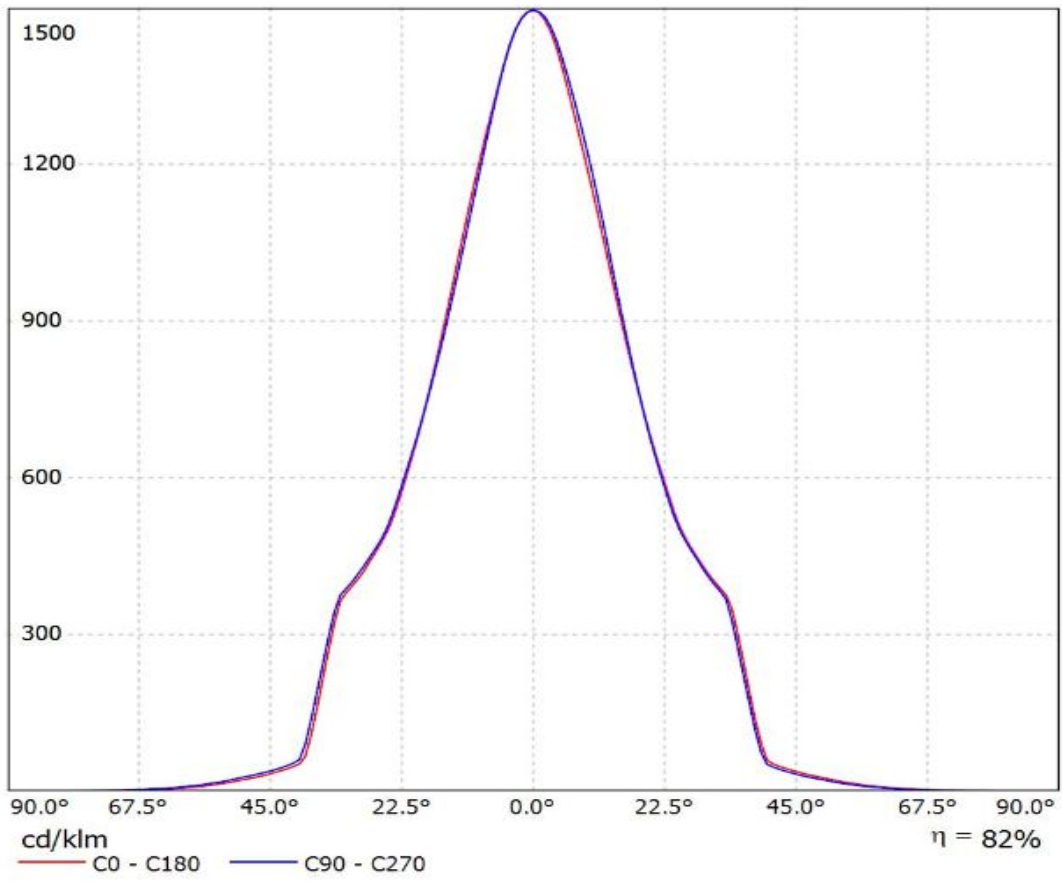


Luminaire: Ledil FCN13707_ANGELA-W_(450_Typ_L2)_(C13658_CLAMP-VERO13-18)_(LC040B)
Lamps: 1 x Samsung_LC040B_CCT=3000K_(SPHWW1HDNE25010101)_(450_Typ_L2)_(C13658_CLAMP-VERO13-18)_1109.31lm@250mA_P=8.2W_I=0.25A



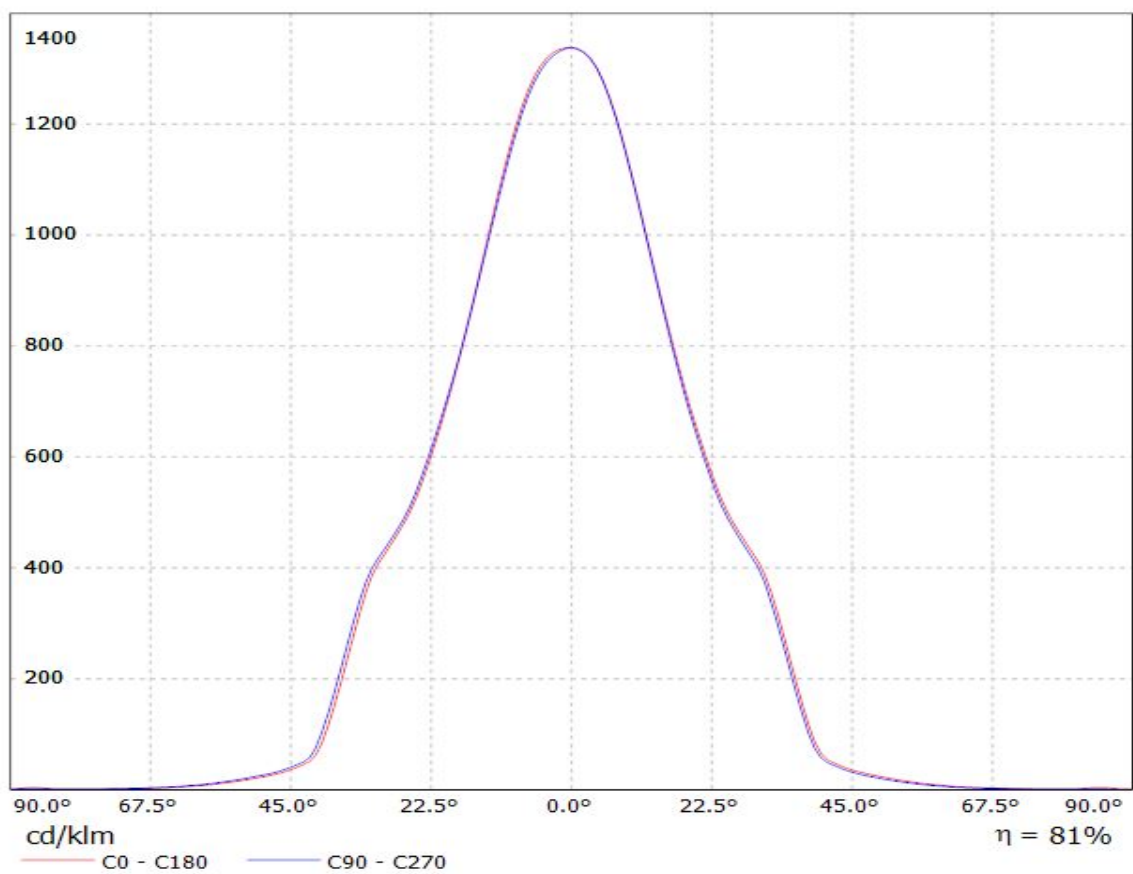
Luminaire: Ledil F13381_ANGELA-W_(MJT_30W_Les14,5)_TE

Lamps: 1 x Seoul_MJT_30W_Les14,5mm_(SAWx1566A)_+TE_2213254-2_+_TE_2213194-1_1328.6lm@250mA_P=8.24025W_I=0.25A

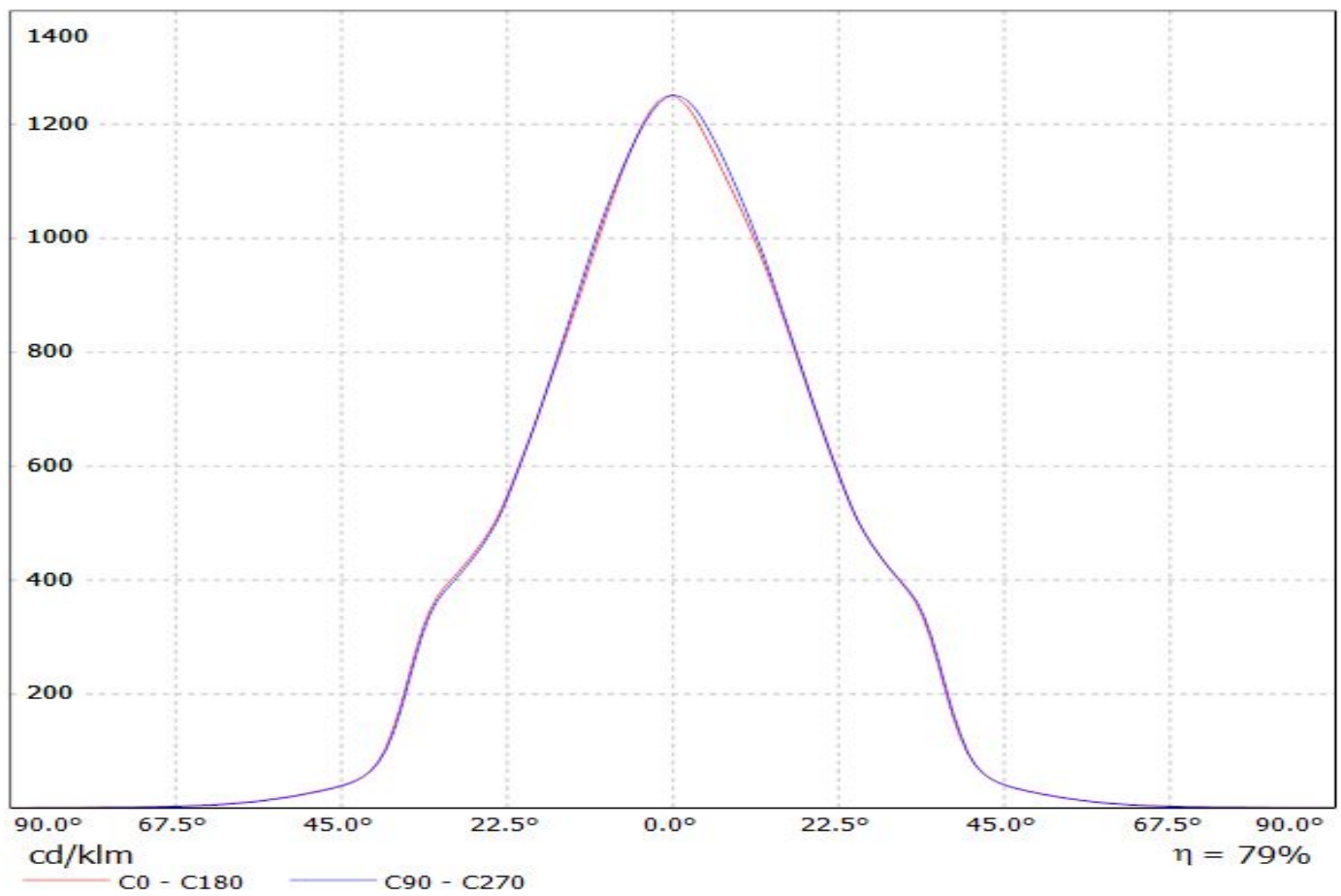


Luminaire: Ledil FCN13704_ANGELA-W (MJT_80W_Les22)_+431TypL3

Lamps: 1 x Seoul_MJT_80W_Les22mm_(SAWx22AAA)_+_VERO29_+_431TypL3_2407.73lm@250mA_P=13.2662W_I=0.25A

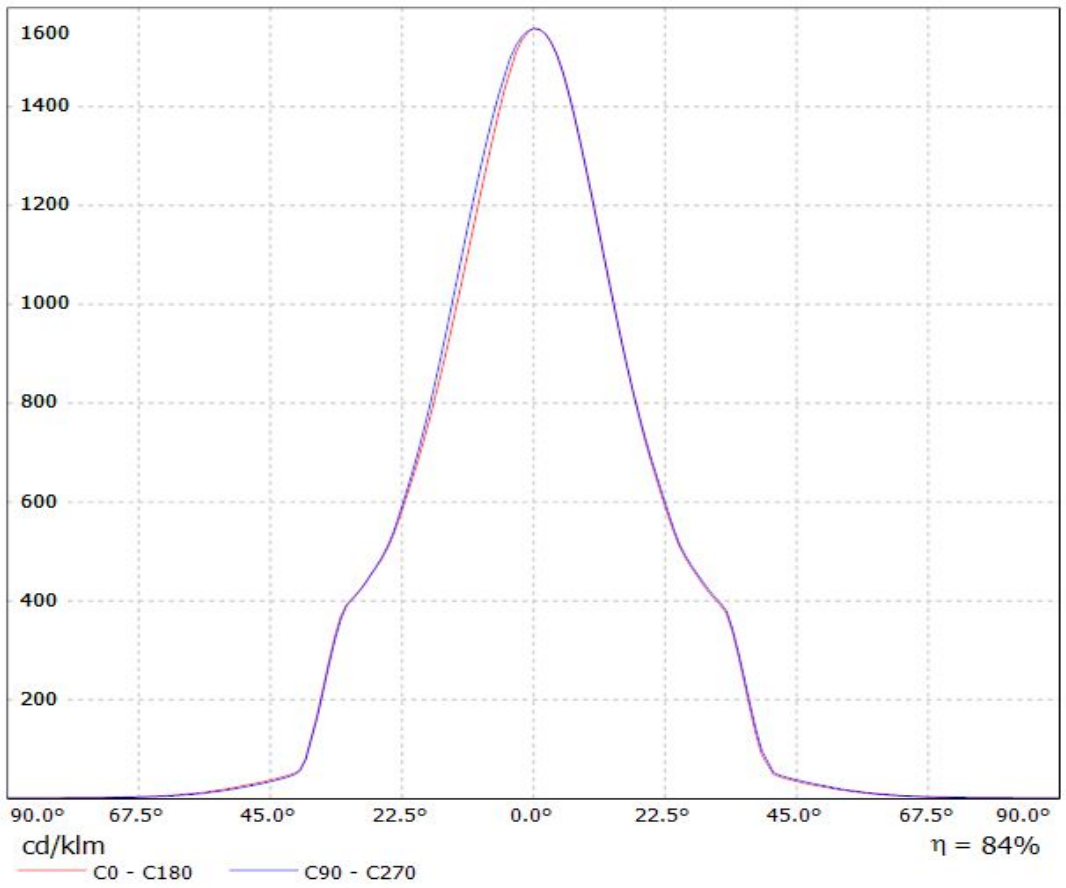


Luminaire: Ledil FC13993_ANGELA-RZ-W_(SEOUL_AC_Zhaga_COB)
Lamps: 1 x SEOUL_AC_Zhaga_COB

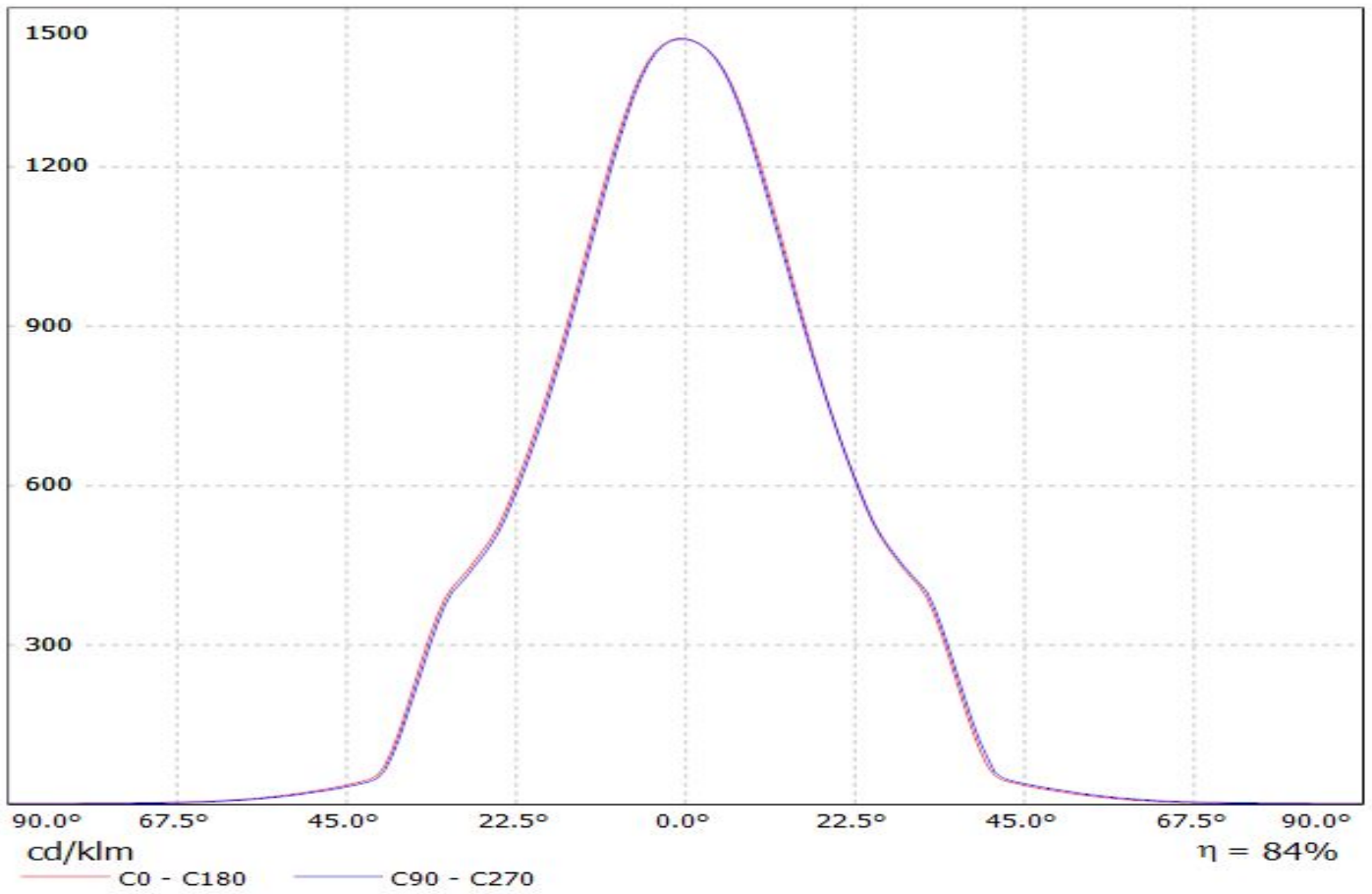


Luminaire: LEDiL Oy F13381_ANGELA-W (STARK_LES19)

Lamps: 1 x Tridonic_STARK_SLE_G3_LES19_(Stark-SLE-PURE-G3-19-2000-840-CLA)_1050.59lm@250mA_P=8.3639W_I=249.9mA

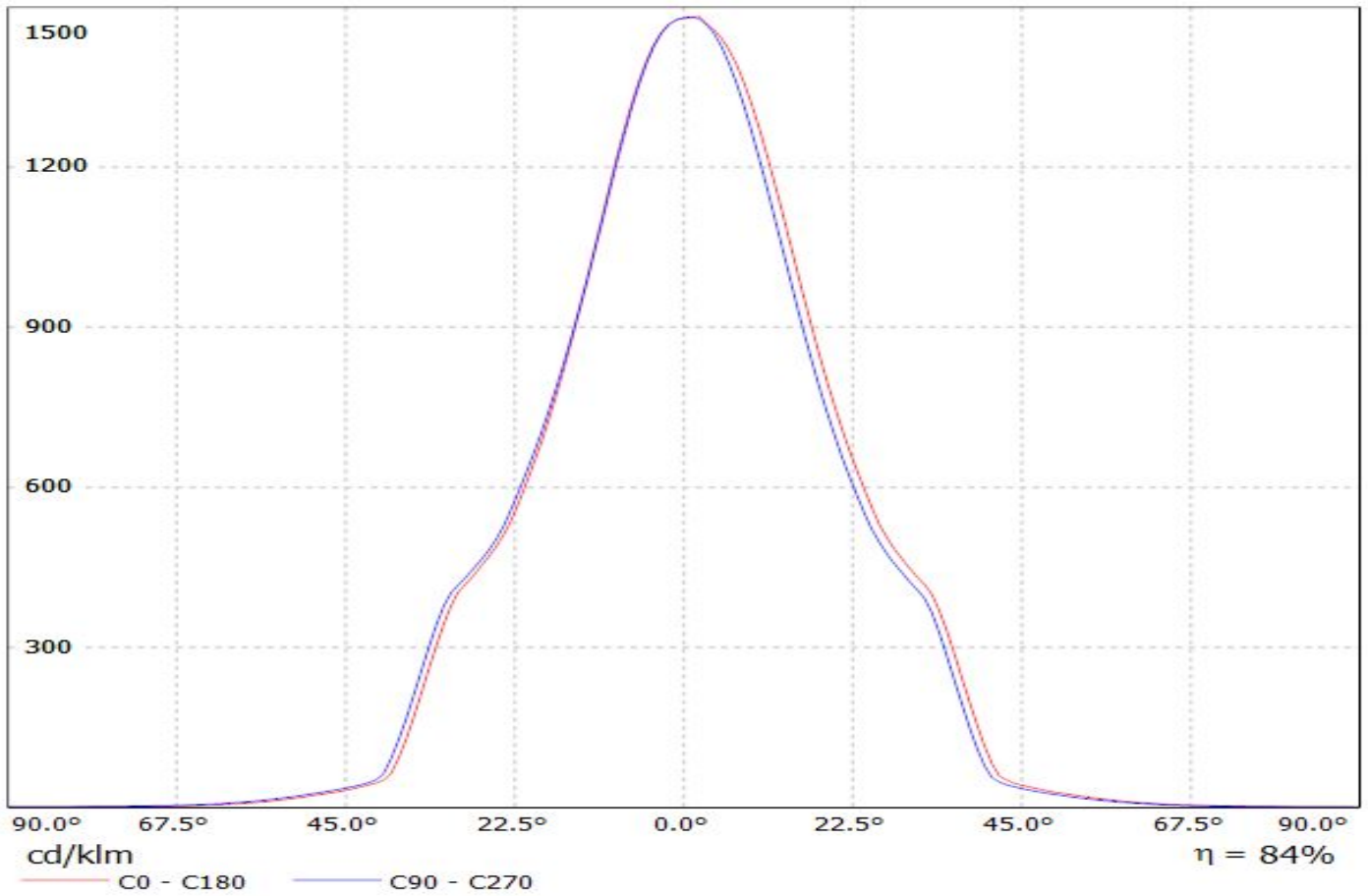


Luminaire: LEDiL Oy F13381_ANGELA-W_(STARK_LES23) Eff.84.4%
Lamps: 1 x Tridonic_STARK_SLE_G3_LES23_802.87lm@250mA_P=8.2452W_I=249.9mA

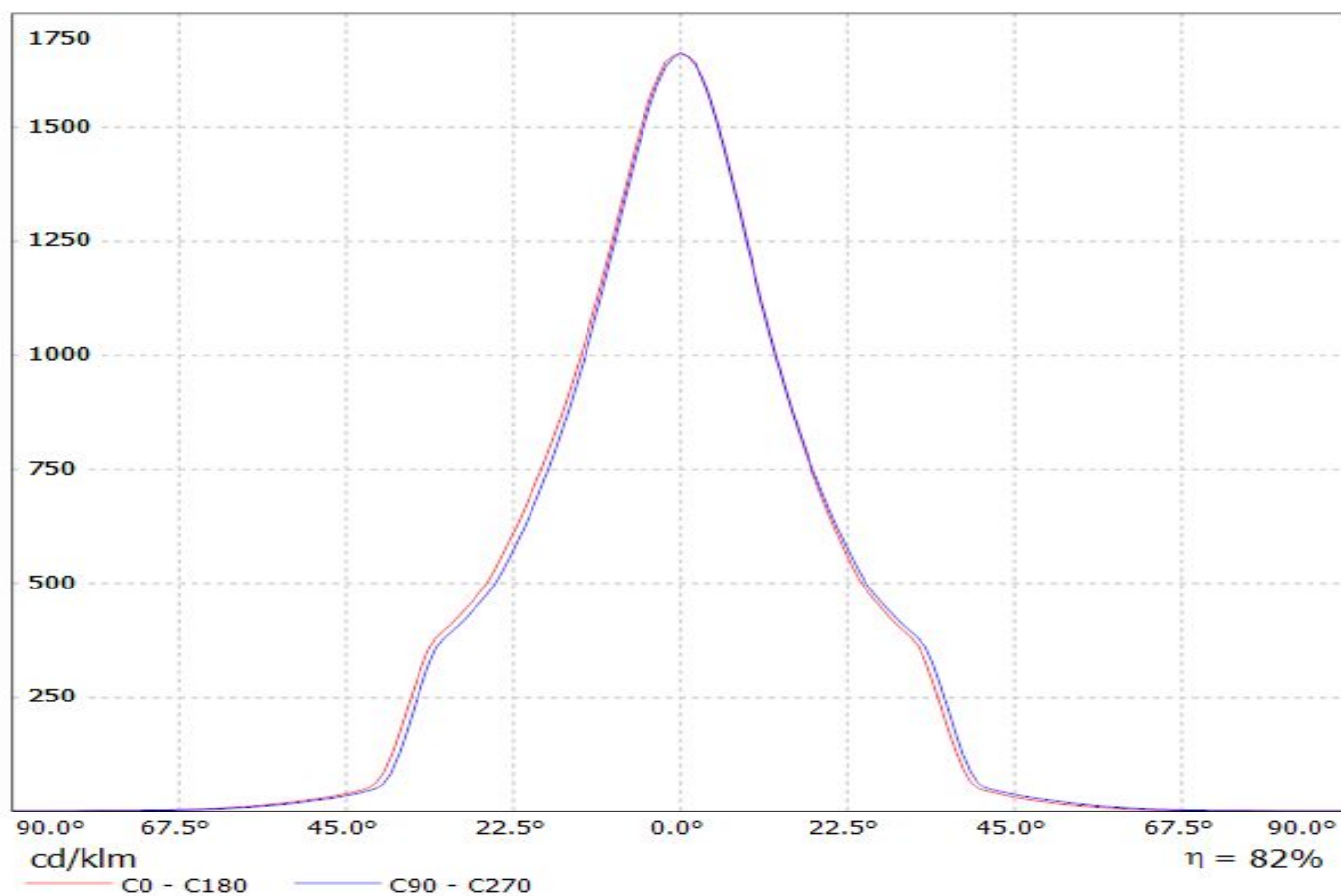


Luminaire: LEDiL Oy F13381_ANGELA-W (SLE_G4_LES23)

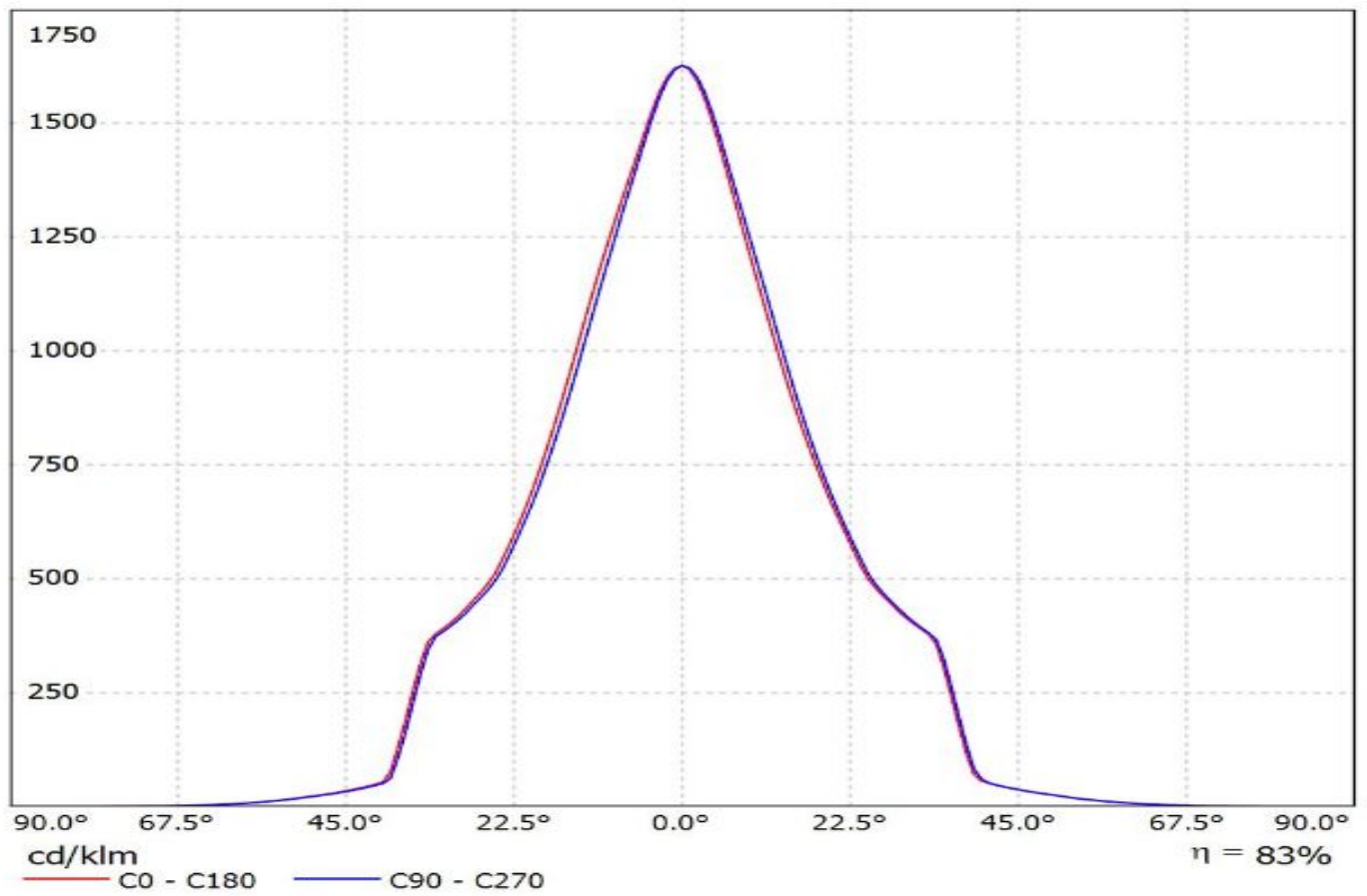
Lamps: 1 x Tridonic_SLE_G4_LES23_1354.57lm@250mA_P=8.18744W_I=0.2498A



Luminaire: LEDiL Oy F13381_ANGELA-W_(SLE GEN4 LES19)
Lamps: 1 x SLE GEN4 LES19_1227.01lm@250mA_P=8.21492W_I=0.2498A

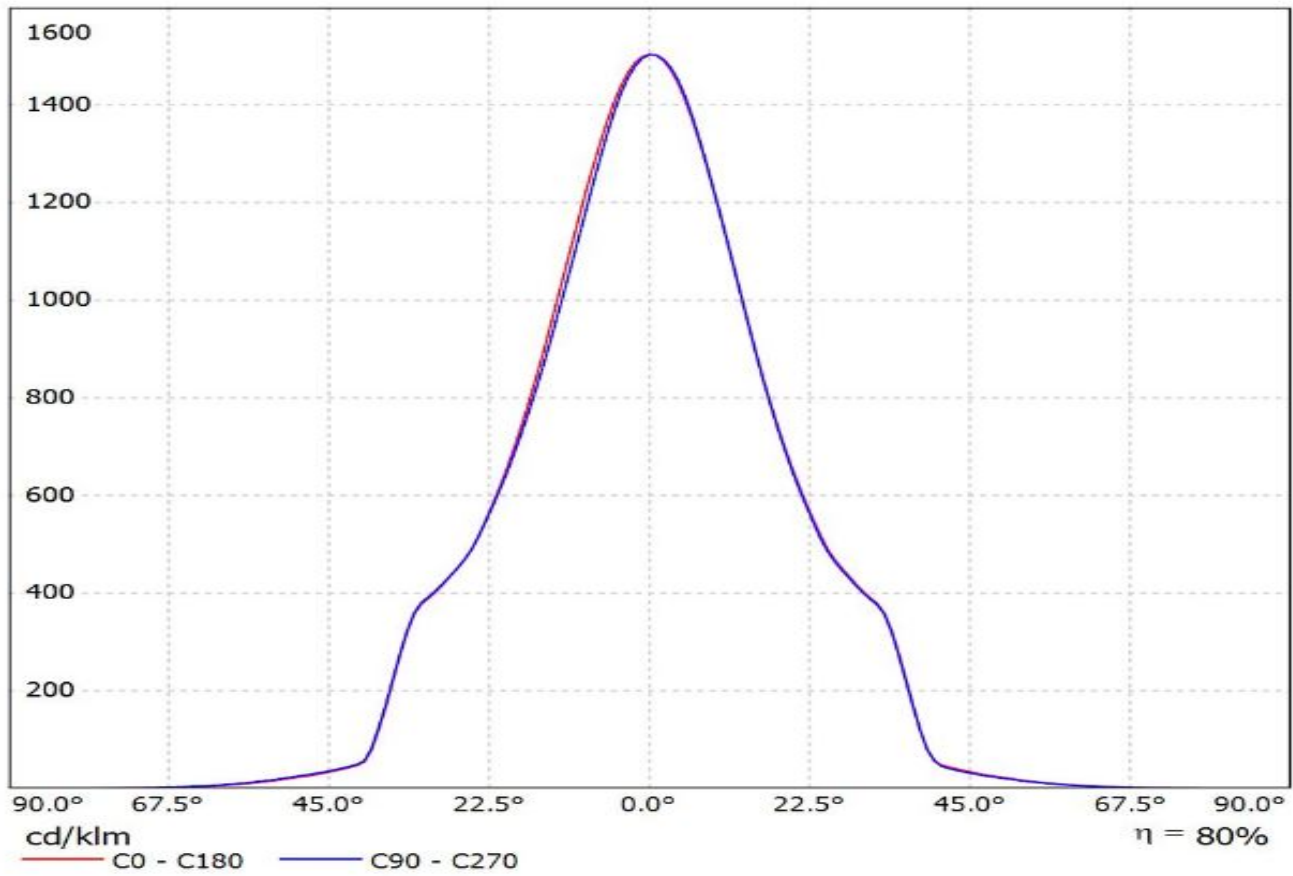


Luminaire: LEDiL Oy F13381_ANGELA-W_(SLE-G5_LES-15)
Lamps: 1 x Tridonic_SLE-G5_LES-15_1238lm@250mA_P=8.6575W_I=0.250A



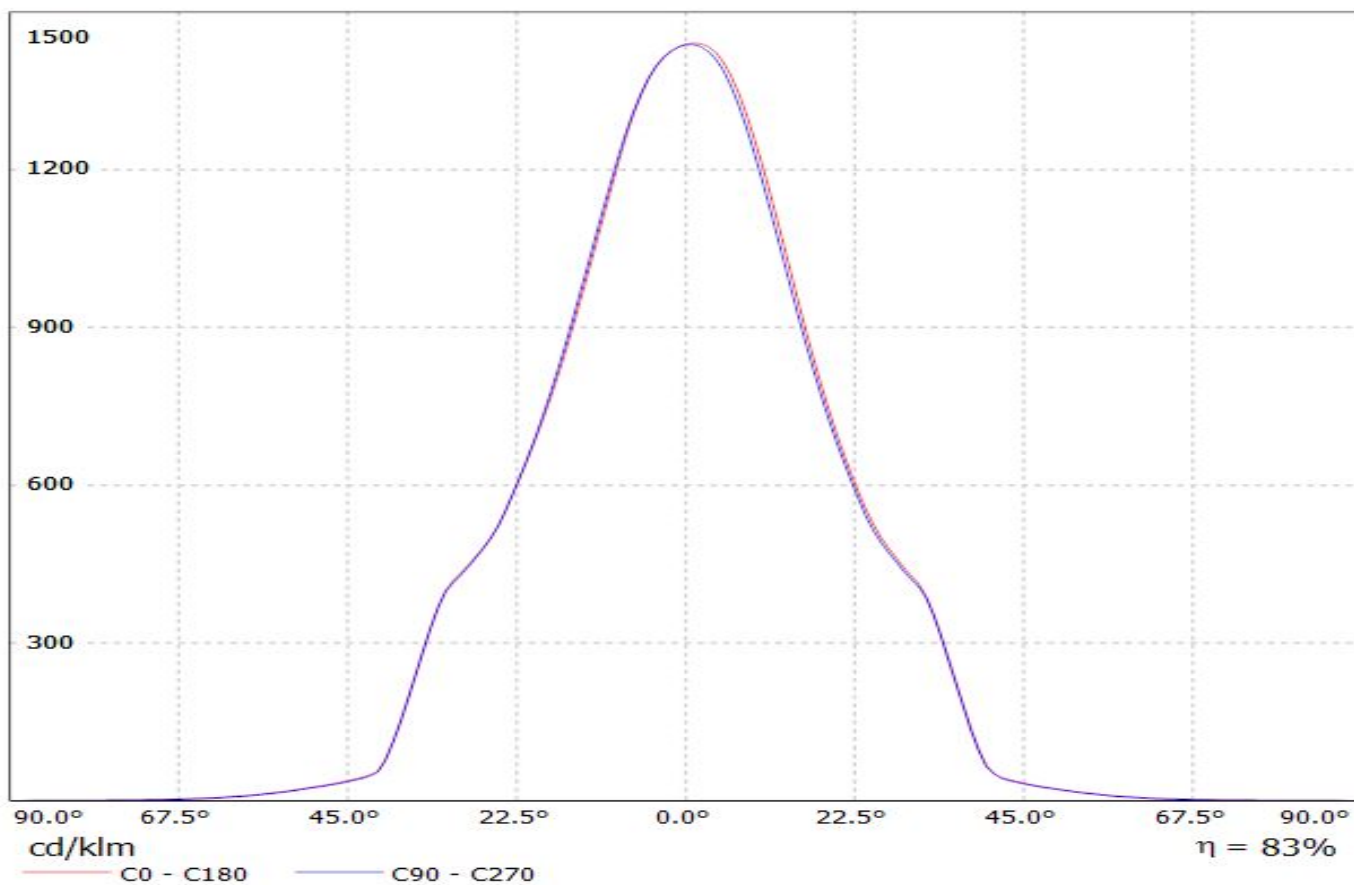
Luminaire: LEDiL Oy F13381_ANGELA-W_(SLE-G5_LES-19)

Lamps: 1 x Tridonic_SLE-G5_LES-19_1334.47lm@250mA_P=8.2224W_I=0.250A

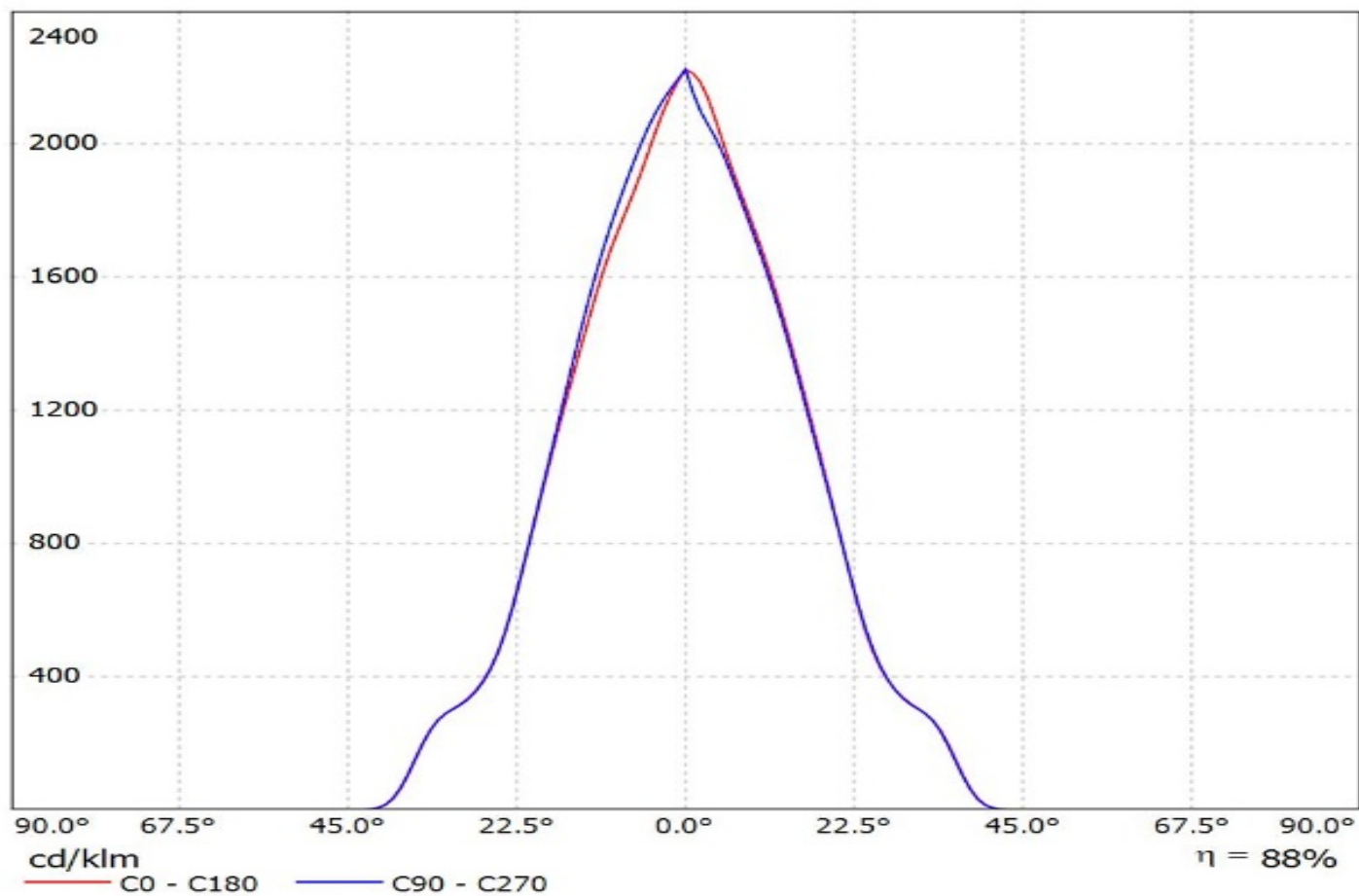


Luminaire: LEDiL Oy F13381_ANGELA-W_(SLE-G5_LES-23)

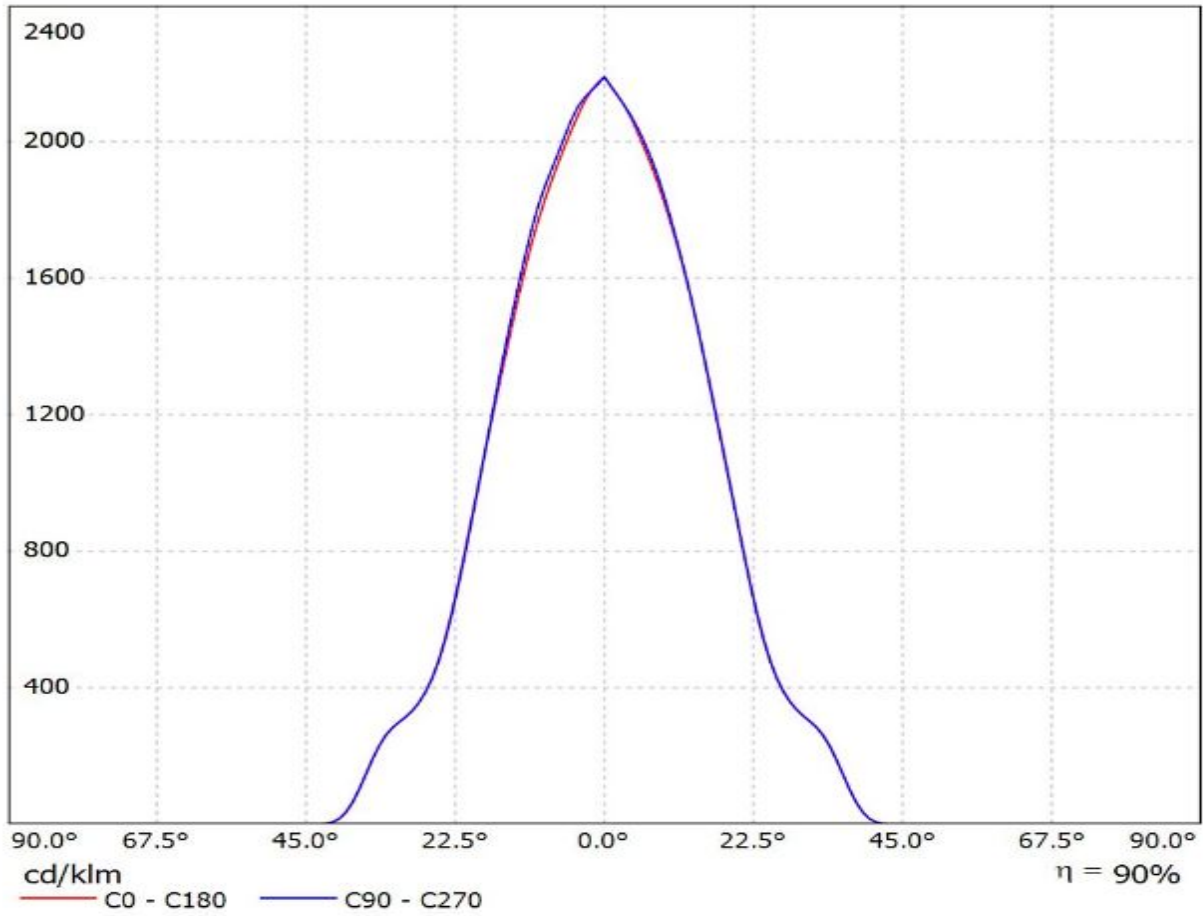
Lamps: 1 x Tridonic_SLE-G5_LES-23_1303.96lm@250mA_P=8.1062W_I=0.250A



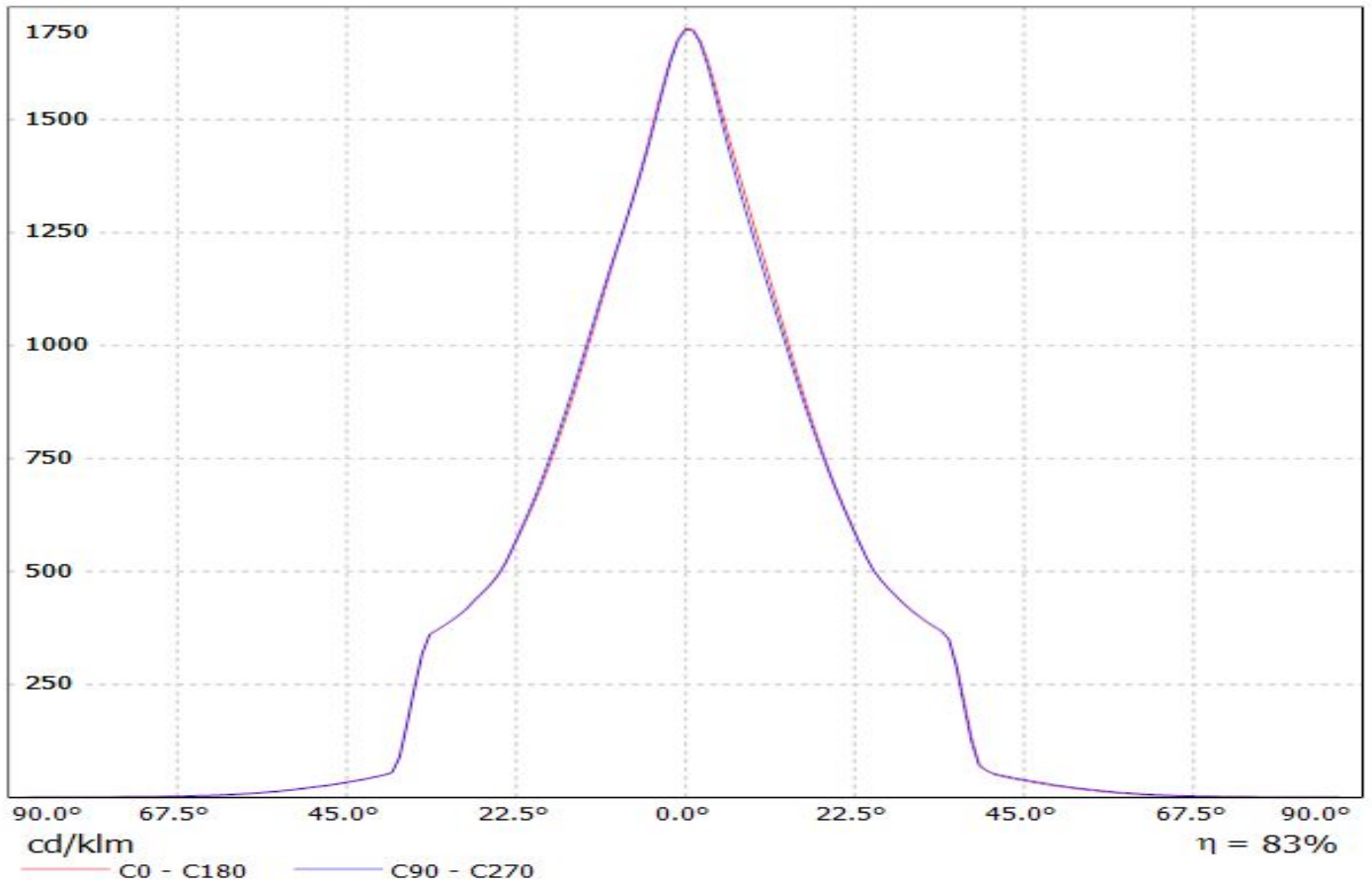
Luminaire: Ledil Oy F13381_ANGELA-W_(SLE_G6_LES15)_(2213254-2+_2213194-1)_SIMULATED
Lamps: 1 x Tridonic SLE G5 LES15 + Tyco Electronics 2213254-2 + TE 2213194-1 optic clip



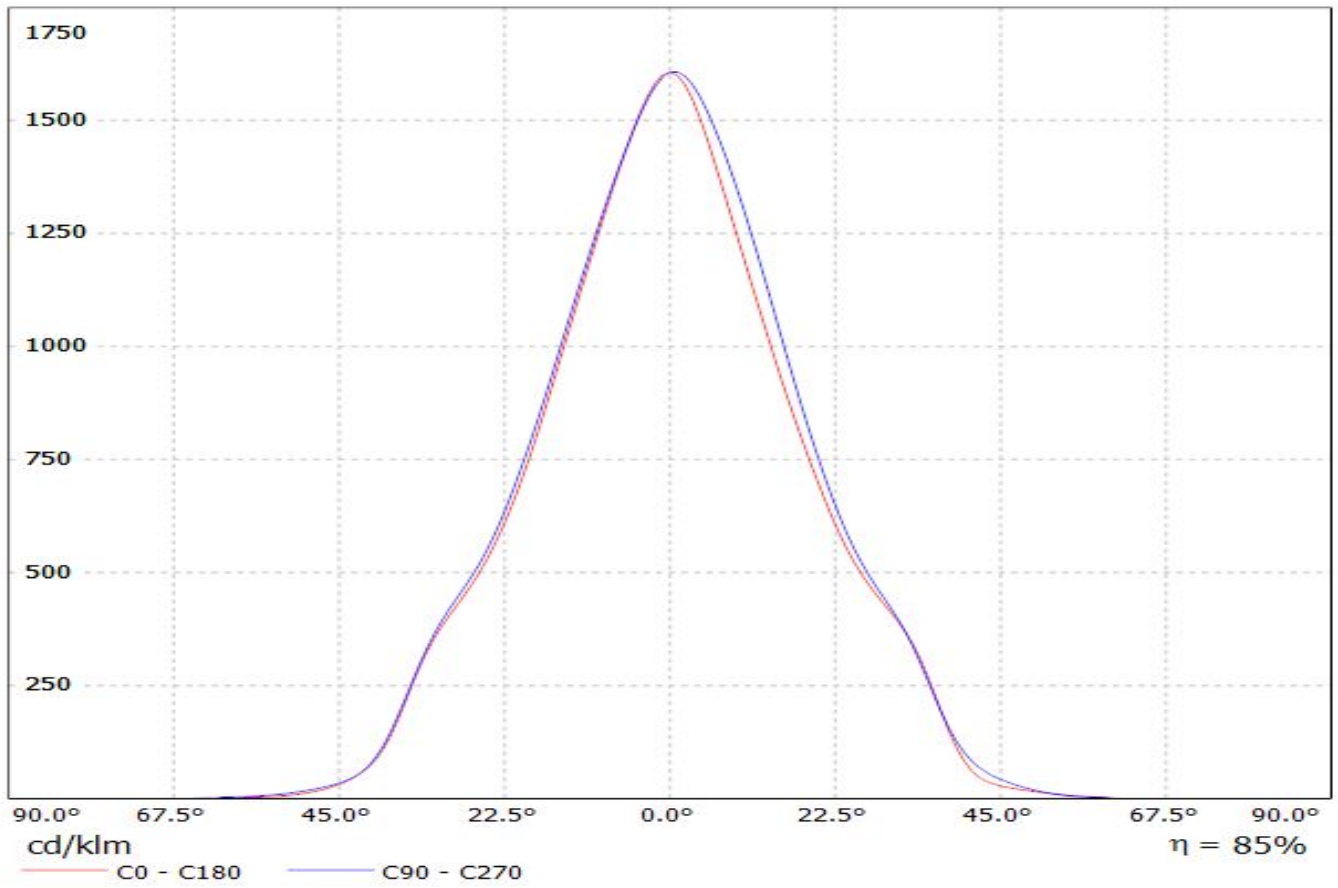
Luminaire: Ledil Oy F13381_ANGELA-W+_TE_2213254-2+_TE_Z50_Type1_TRIDONIC_SLE_G6_LES17_SIMULATED
Lamps: 1 x TRIDONIC SLE G6 LES17



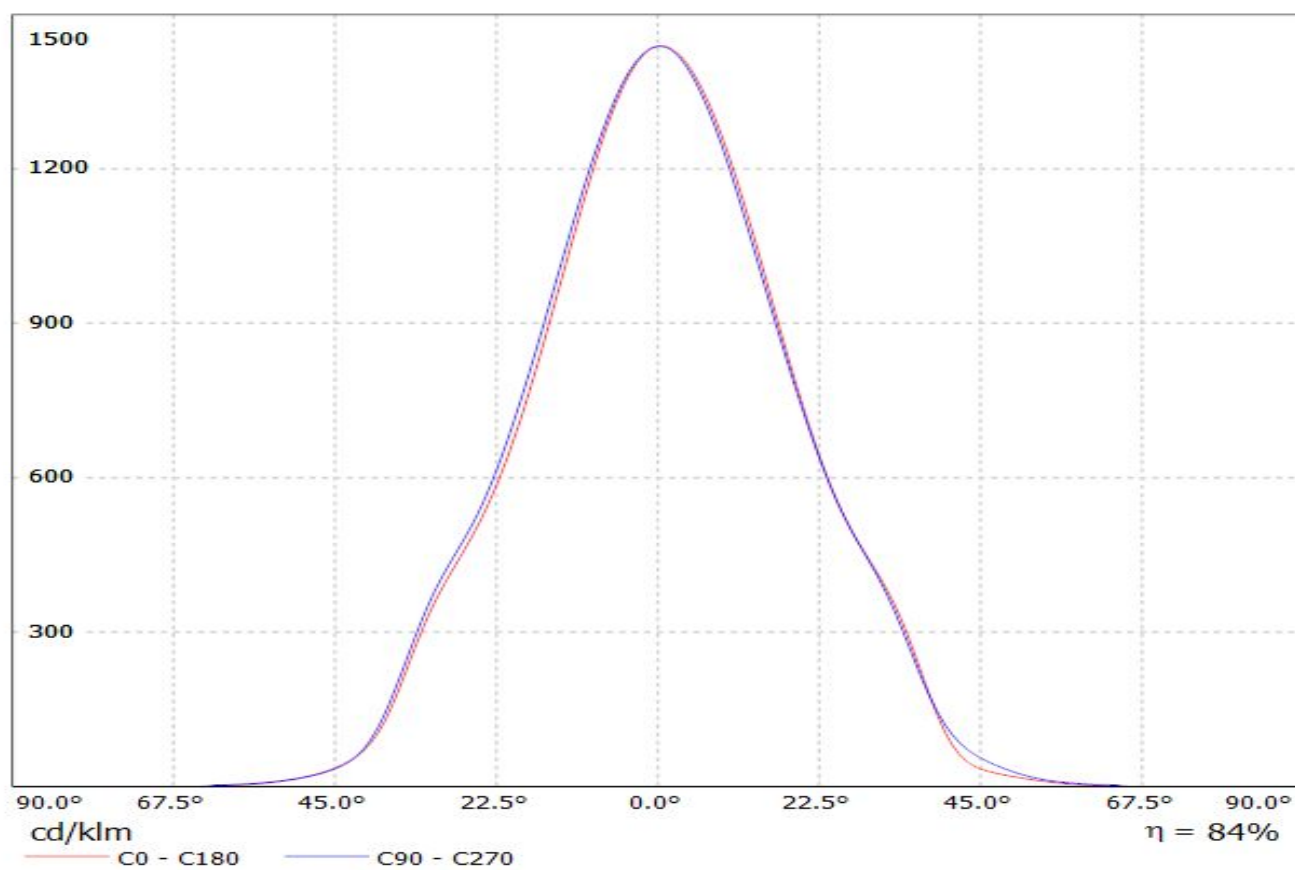
Luminaire: LEDiL Oy FCN13707_ANGELA-W_(SLE-G5_LES-11)
Lamps: 1 x Tridonic_SLE-G5_LES-11_1137.55lm@250mA_P=8.4177W_I=0.250A



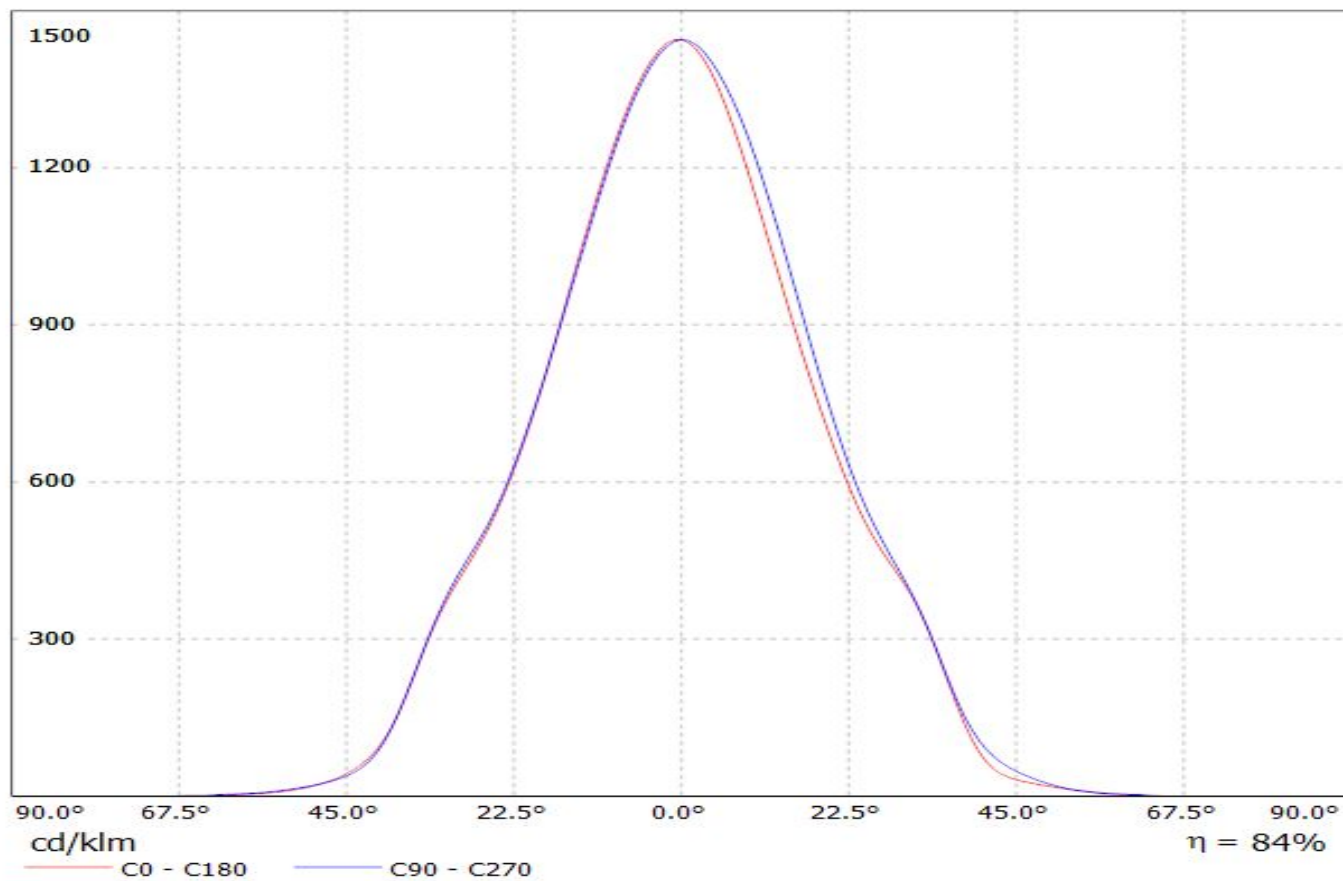
Luminaire: LEDiL F13381_ANGELA-W_(WU-M-461)
Lamps: 1 x Vossloh-Schwabe WU-M-461-827 767lm@250mA



Luminaire: LEDiL F13381_ANGELA-W_(WU-M-462)
Lamps: 1 x Vossloh-Schwabe WU-M-462-827 1140lm@250mA

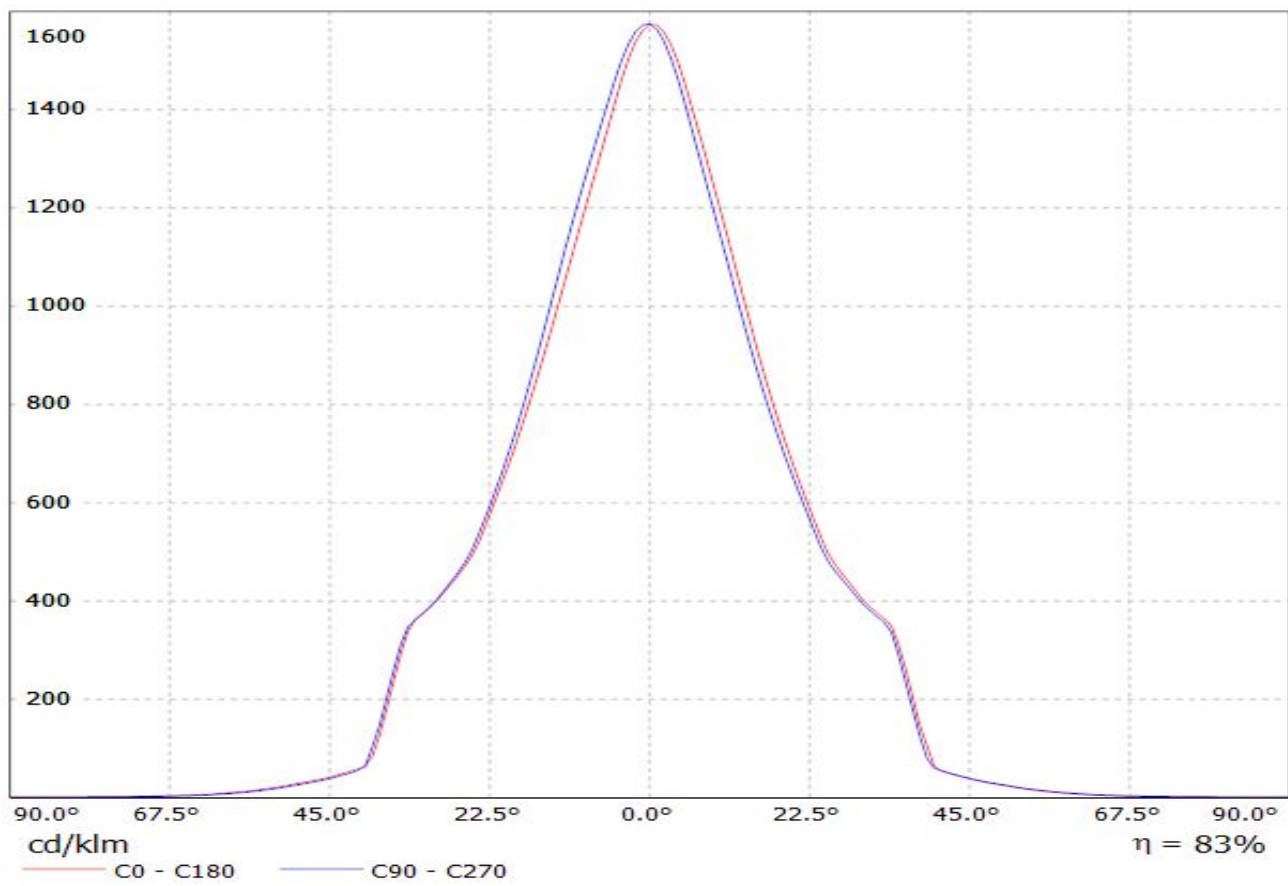


Luminaire: LEDiL F13381_ANGELA-W_(WU-M-464)
Lamps: 1 x Vossloh-Schwabe WU-M-464-827 1480lm@250mA



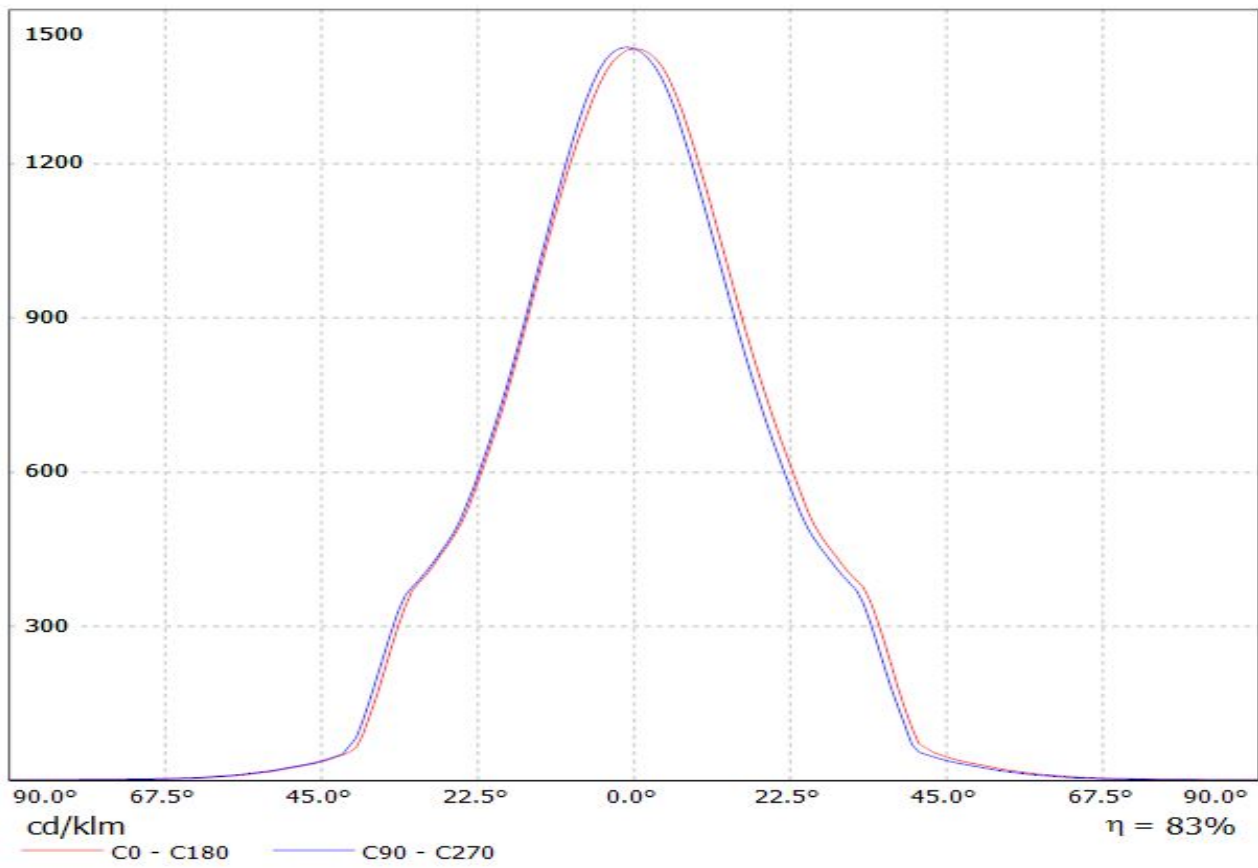
Luminaire: LEDiL Oy F13381_ANGELA-W_(WU-M-484)

Lamps: 1 x Vossloh_Schwabe-WU-M-484_(WU-M-484-830)_657.721lm@250mA_P=5.59451W_I=249.9mA

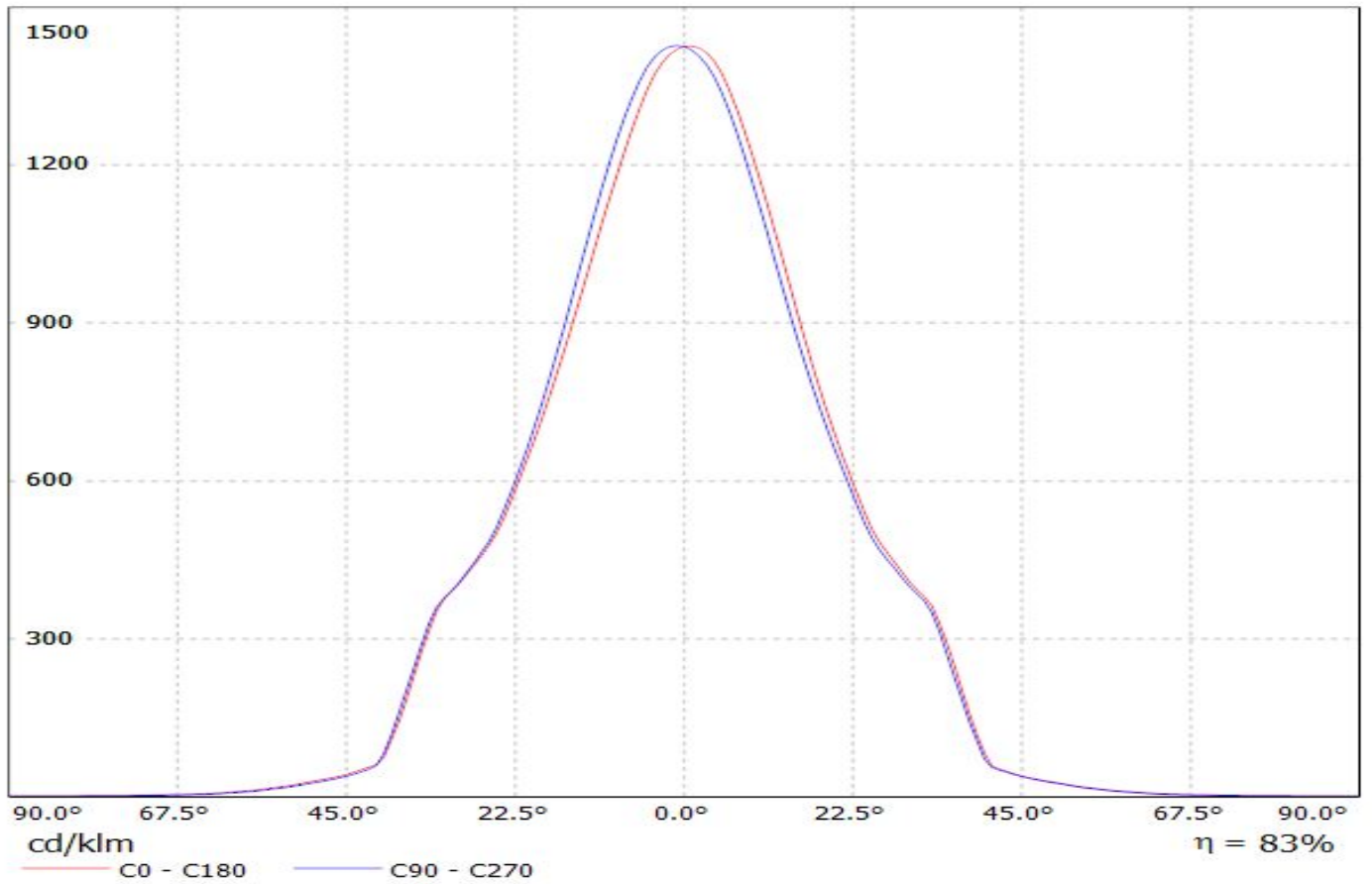


Luminaire: LEDiL Oy F13381_ANGELA-W_(WU-M-485)

Lamps: 1 x Vossloh_Schwabe-WU-M-485_(WU-M-485-830)_1209.62lm@250mA_P=8.43849W_I=249.8mA

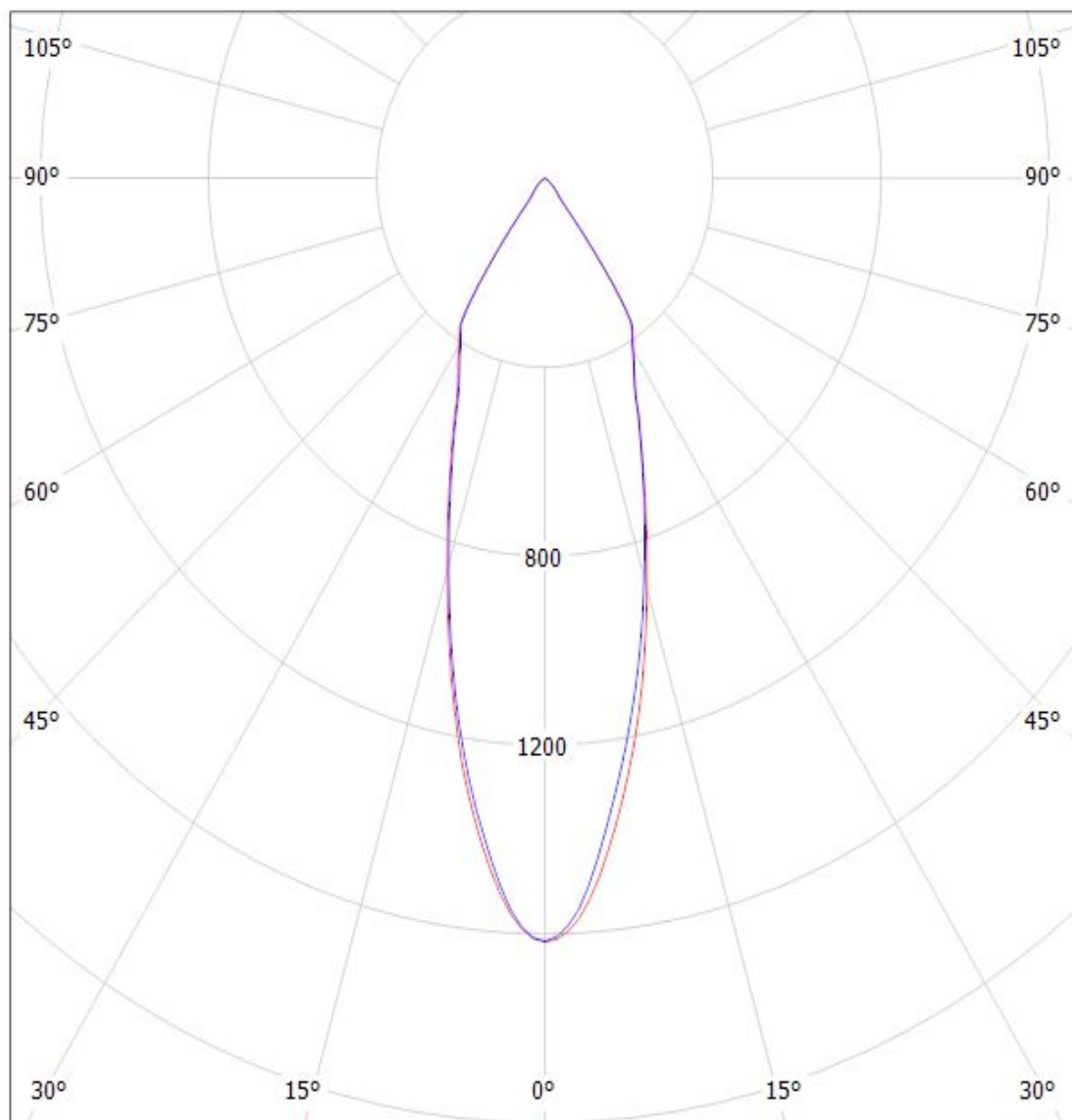


Luminaire: LEDiL Oy F13381_ANGELA-W_(WU-M-486) Eff.83.2%
Lamps: 1 x Vossloh_Schwabe-WU-M-486_(WU-M-486-830)
_1474.55lm@250mA_P=10.4456W_I=249.8mA



Luminaire: LEDiL Oy F13381_ANGELA-W_(V13_Gen7)+TE

Lamps: 1 x Bridgelux_V13_Gen7_(BXRE-30E2000-B_+TE_2213254-2+TE_2213194-1)_1295.55lm@250mA_P=8.30985W_I=0.25A

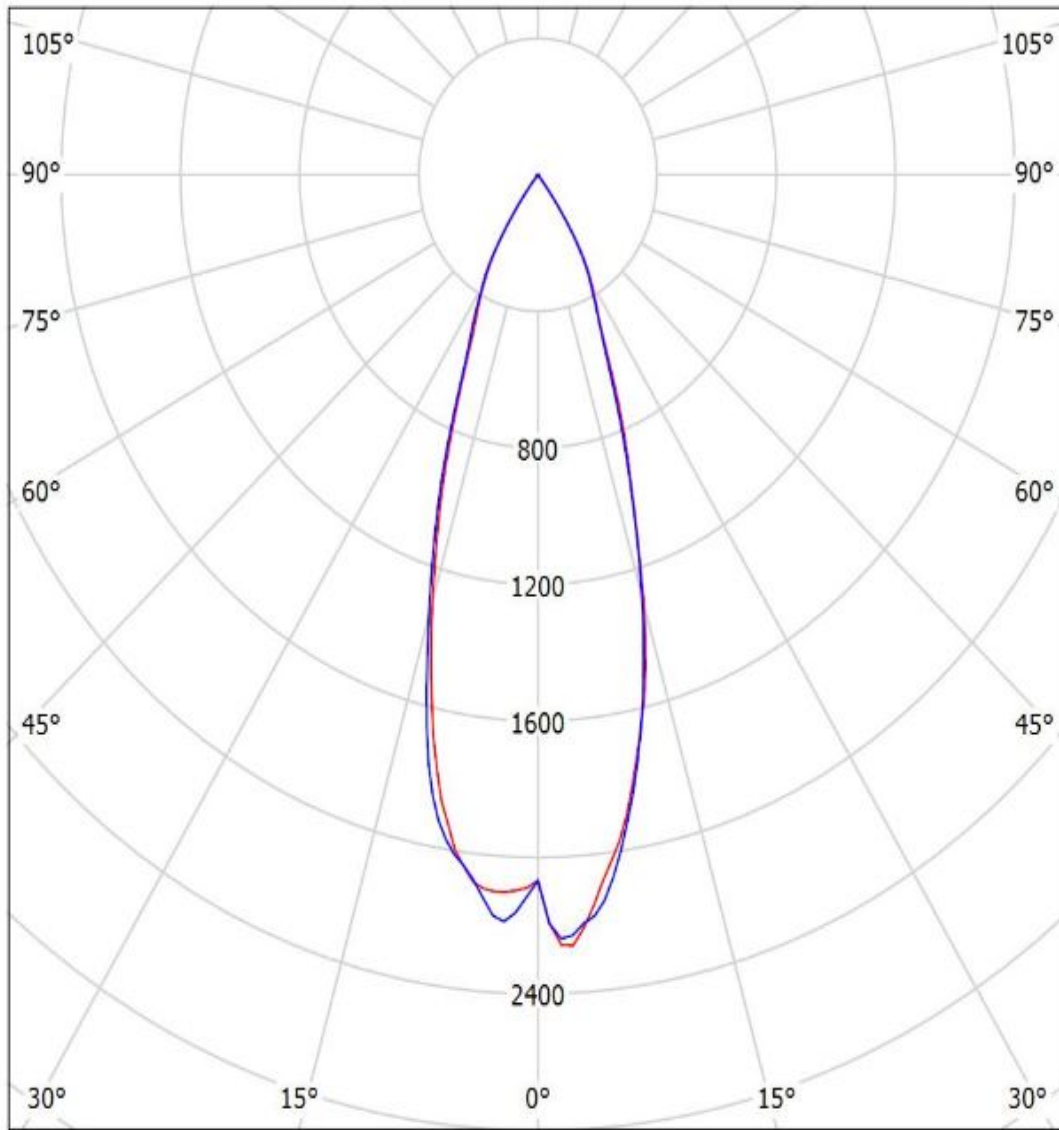


cd/klm

$\eta = 82\%$

— C0 - C180 — C90 - C270

Luminaire: Ledil Oy F13381_ANGELA-W_Bridgelux_V22_Gen7_SIMULATED F13381_ANGELA-W_Bridgelux_V22_Gen7_SIMULATED
Lamps: 1 x F13381_ANGELA-W_Bridgelux_V22_Gen7_SIMULATED



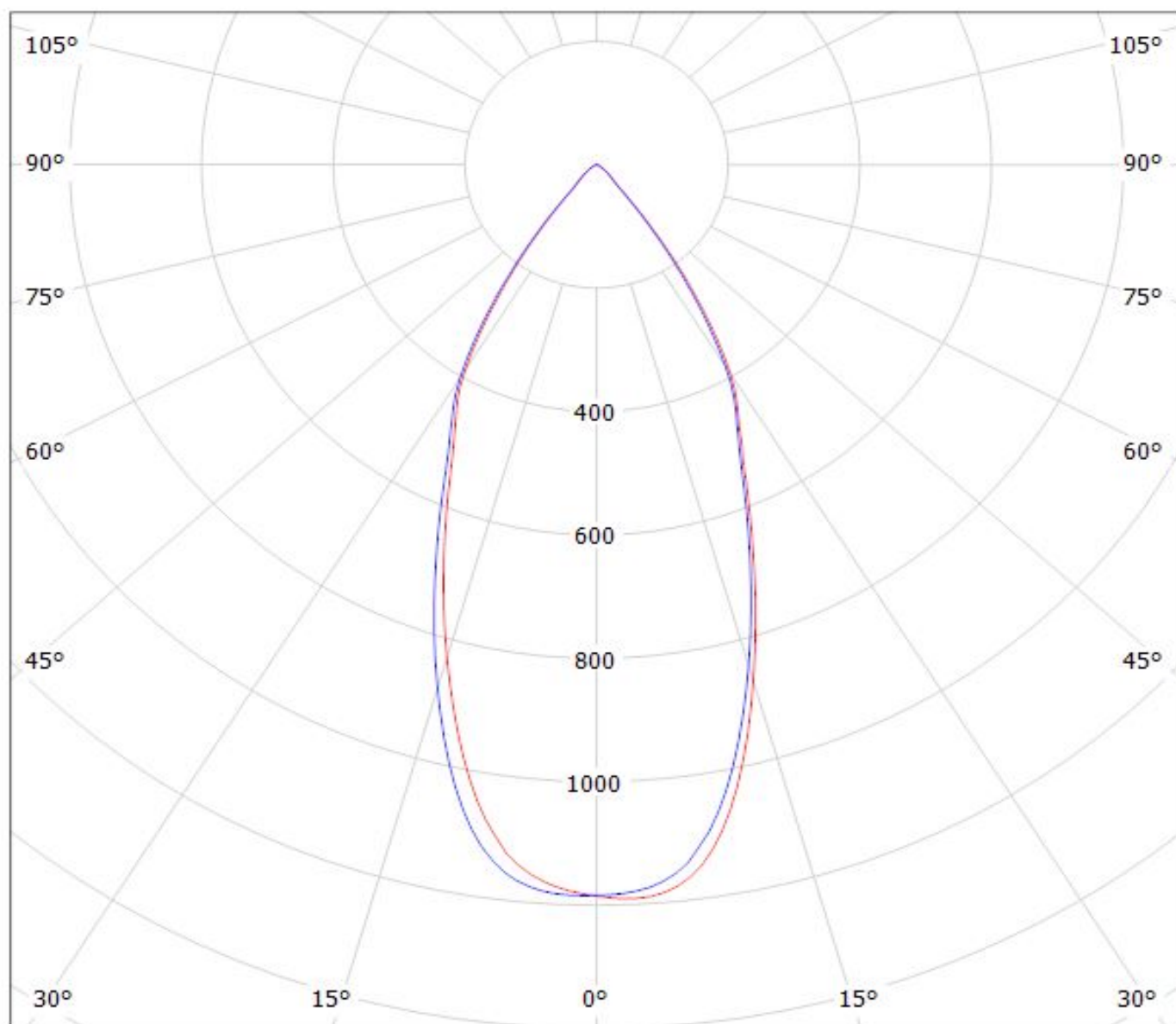
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy FCN13704_ANGELA-W_(VERO29) Eff.82.3%

Lamps: 1 x VERO29_(BXRC-50C10K0-L-04)_1388.09lm@250mA_CCT=1399K_P=8.60286W_I=249.8mA



cd/klm

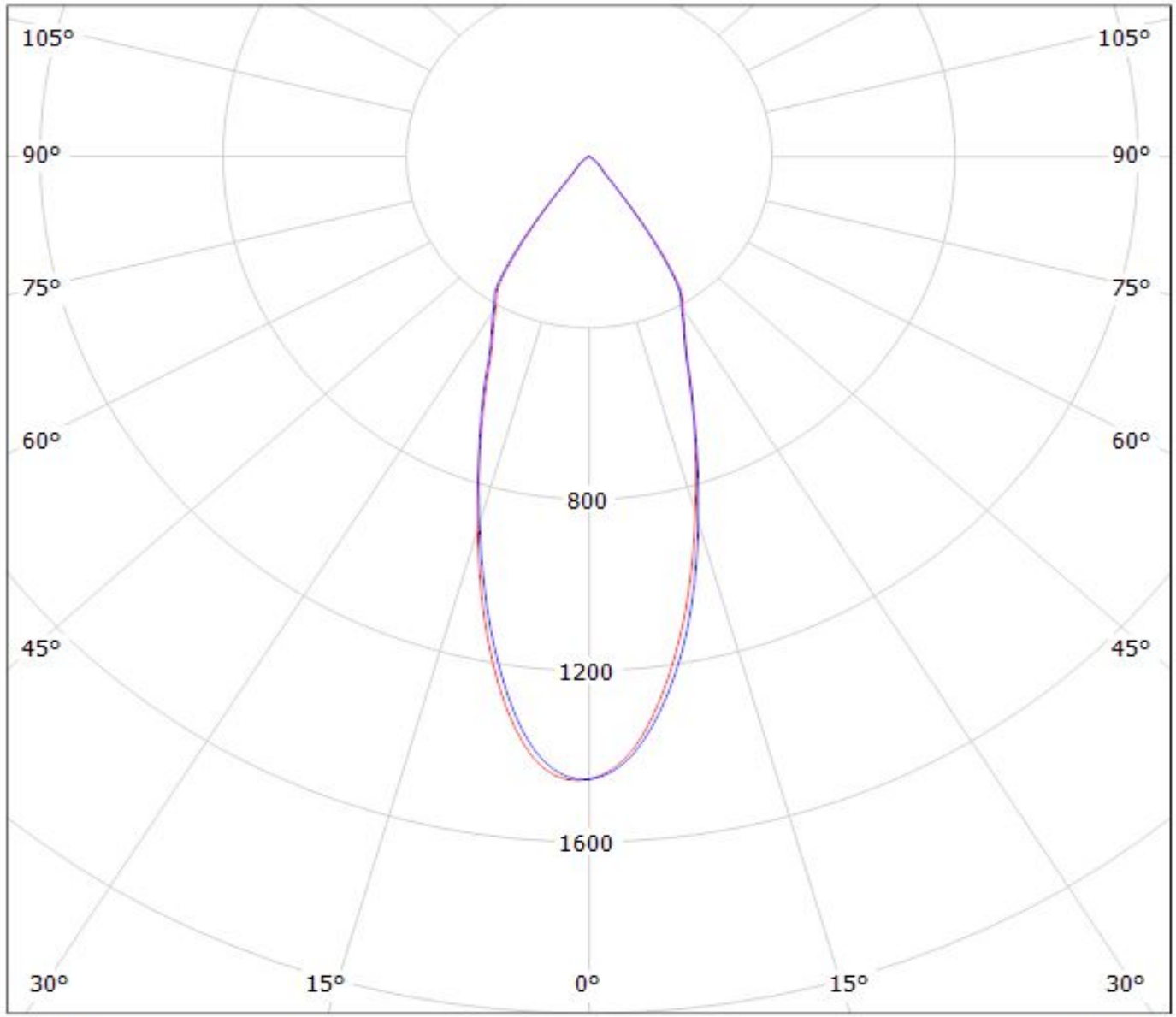
— C0 - C180

— C90 - C270

$\eta = 82\%$

Luminaire: LEDiL Oy FCN13707_ANGELA-W_(Vero18) Eff.83.9%

Lamps: 1 x VERO18_(BXRC30E4000F)_882.261lm@250mA P=6.73161W I=249.8mA



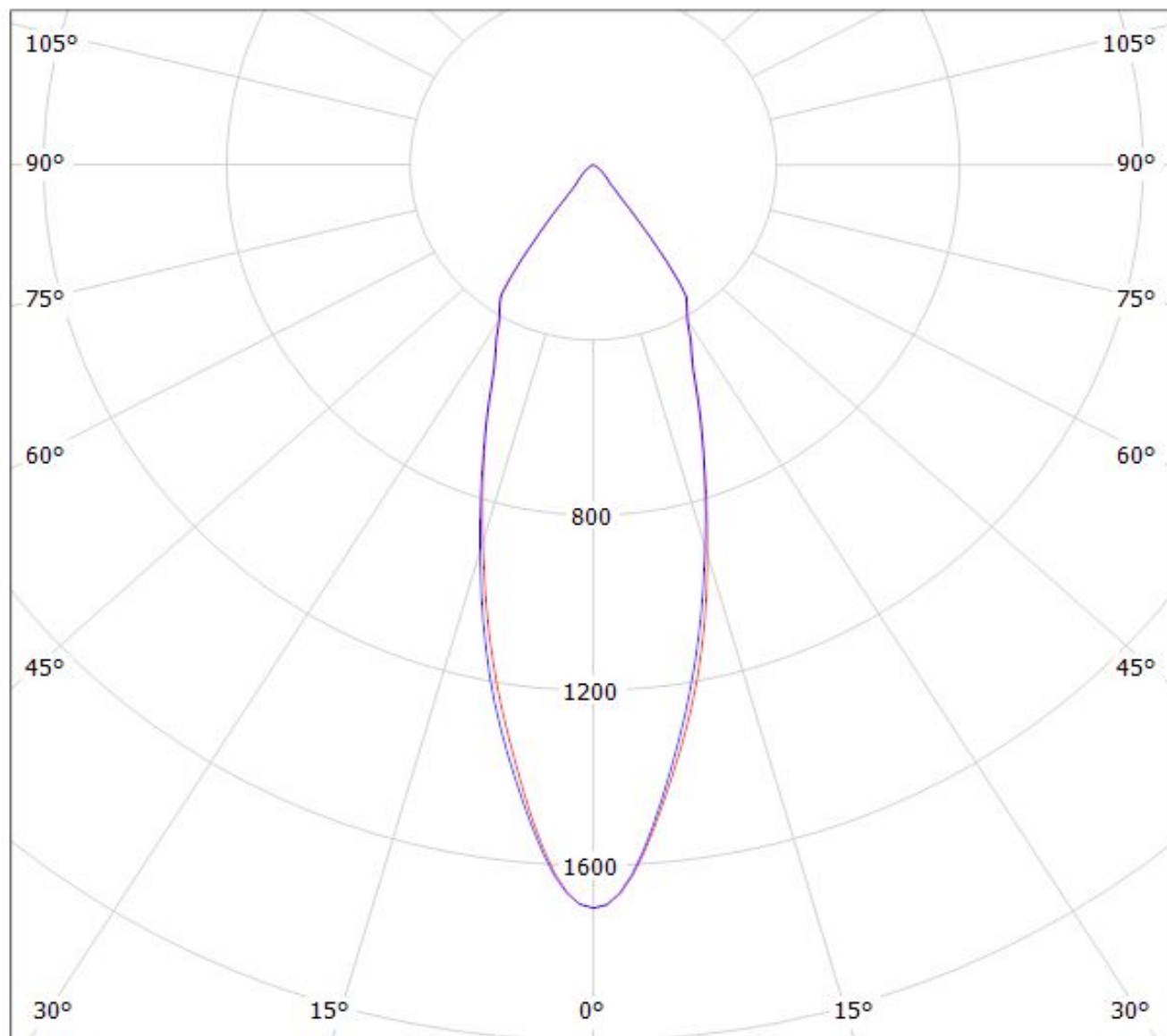
cd/klm

— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy FCN13707_ANGELA-W_(VERO13) Eff.86.2%
Lamps: 1 x Bridgelux_VERO13_(BXRC-30E2000C)_1065.05lm@250mA_P=7.63813W_I=249.8mA



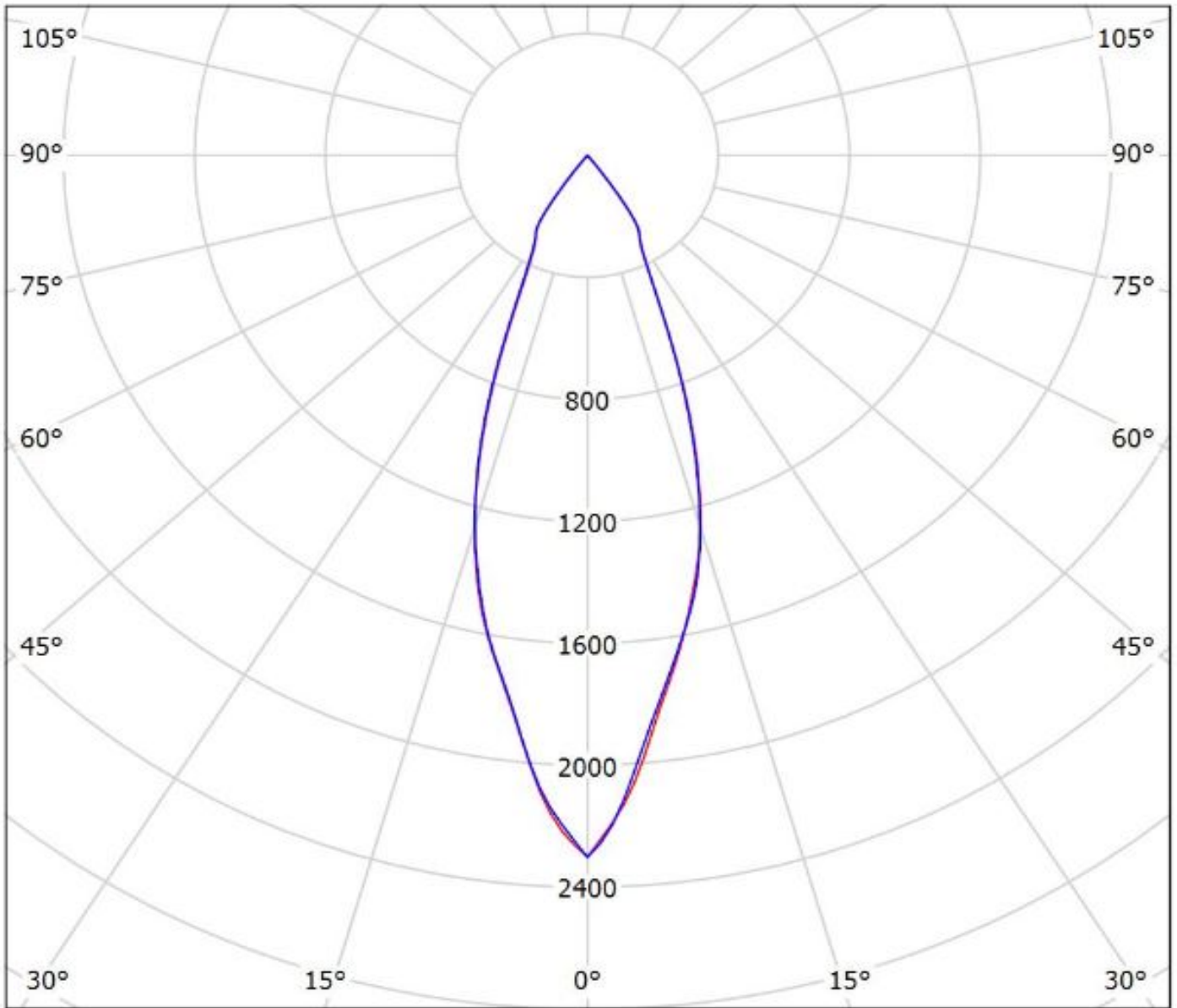
cd/klm

— C0 - C180

— C90 - C270

$\eta = 86\%$

Luminaire: Ledil Oy FCN13707_ANGELA-W+_B+W_434_TypL1_BRIDGELUX_V10_Gen7_SIMULATED
Lamps: 1 x BRIDGELUX V10 Gen7

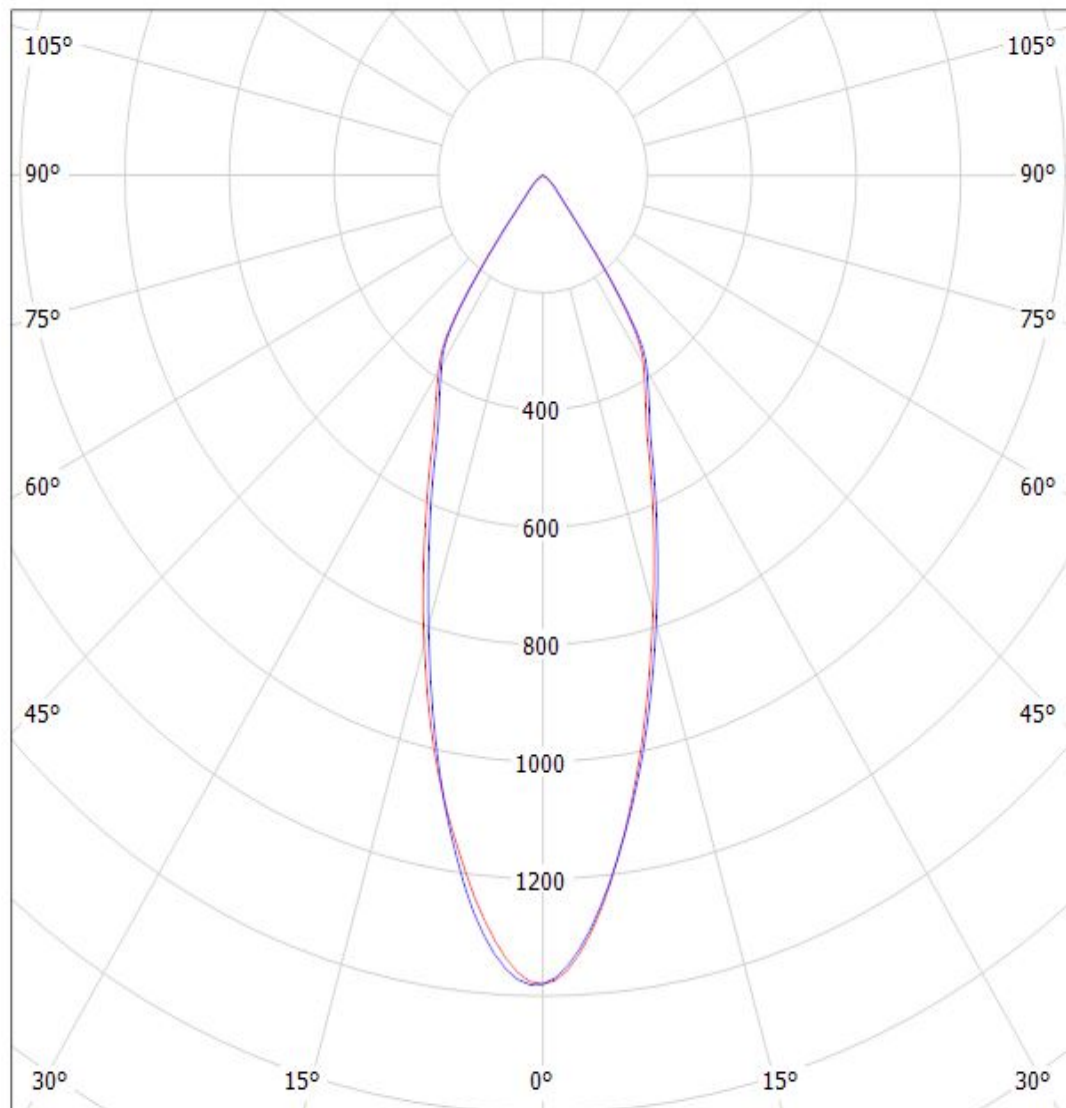


cd/klm
— C0 - C180 — C90 - C270

$\eta = 89\%$

Luminaire: LEDiL Oy FC13993_ANGELA-RZ-W_(V13_Gen7)+TE

Lamps: 1 x Bridgelux_V13_Gen7_(BXRE-30E2000-B_+TE_2213254-2+TE_2213194-1)_1295.55lm@250mA_P=8.30985W_I=0.25A



cd/klm

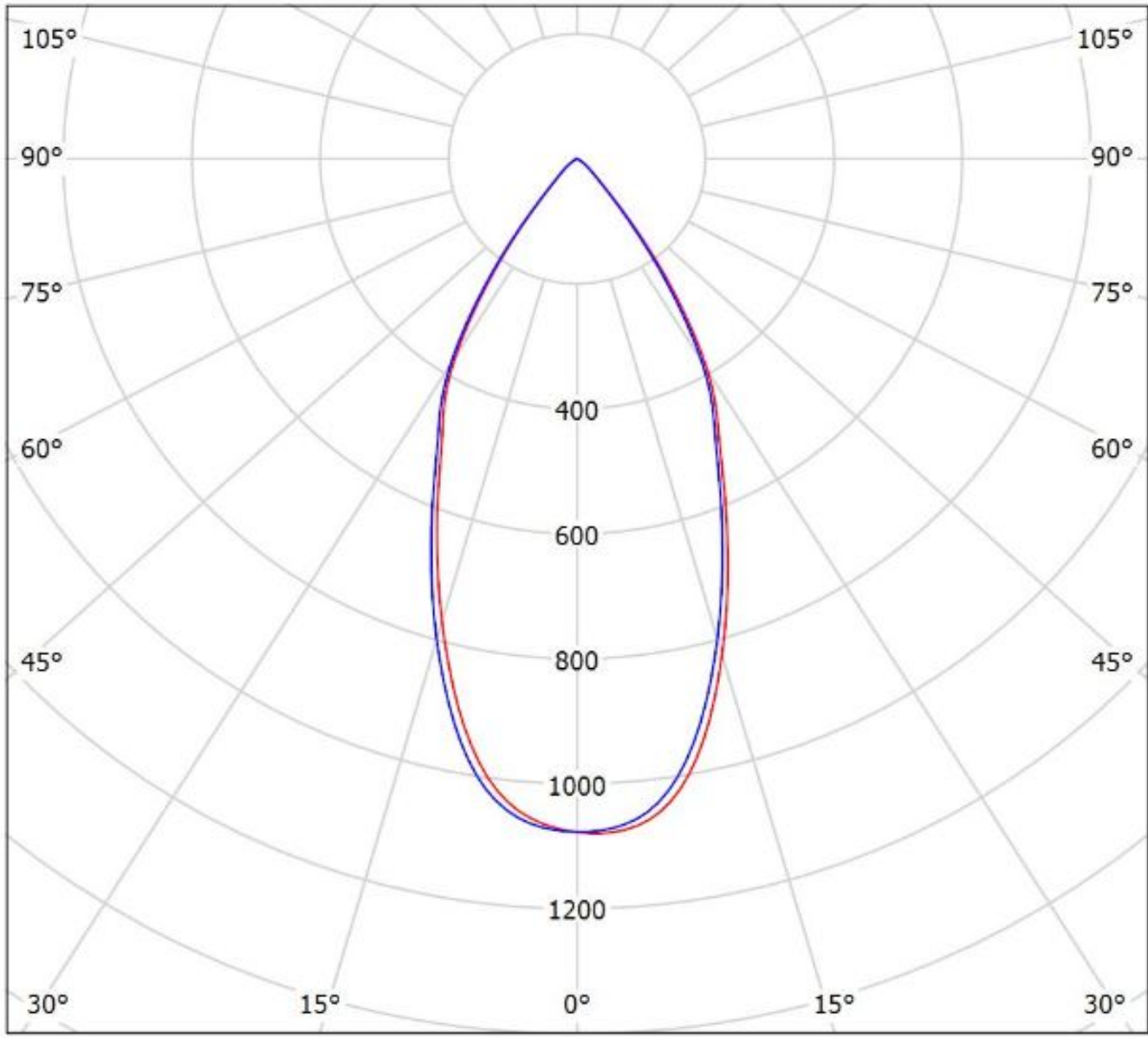
— C0 - C180

— C90 - C270

$\eta = 78\%$

Luminaire: Ledil FCN14818_ANGELA-RZ-W_(Vero29)

Lamps: 1 x Bridgelux_Vero29_(BXRC-50C10K0-L04)_1417.64lm@250mA_CCT=4900K_P=8.7133W_I=0.25A



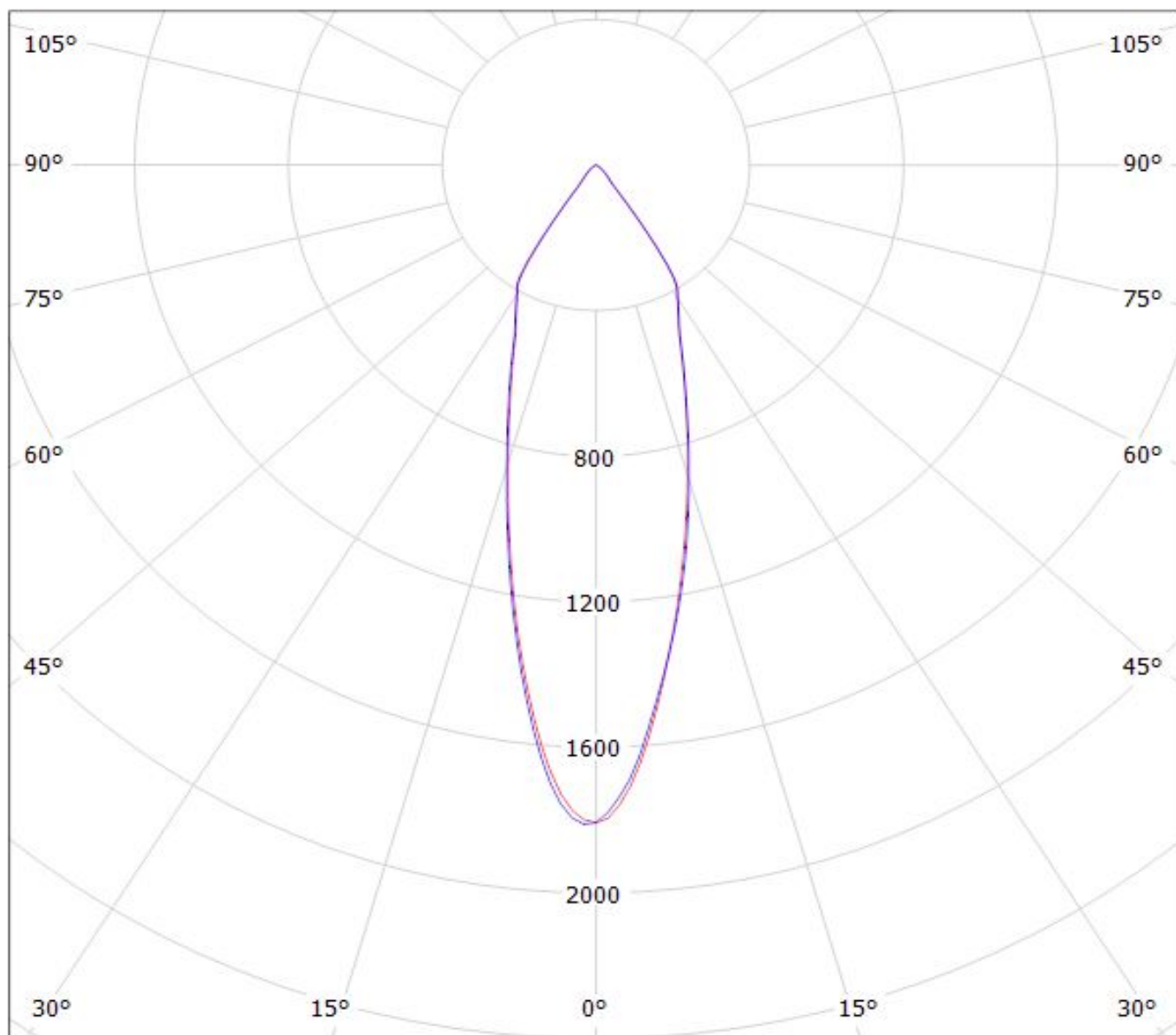
cd/klm

— C0 - C180 — C90 - C270

$\eta = 78\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(CLL030)

Lamps: 1 x Citizen_CLL030_(CLL030-1206A1-303M1A2)_971.531lm@250mA_P=8.42026W_I=249.8mA

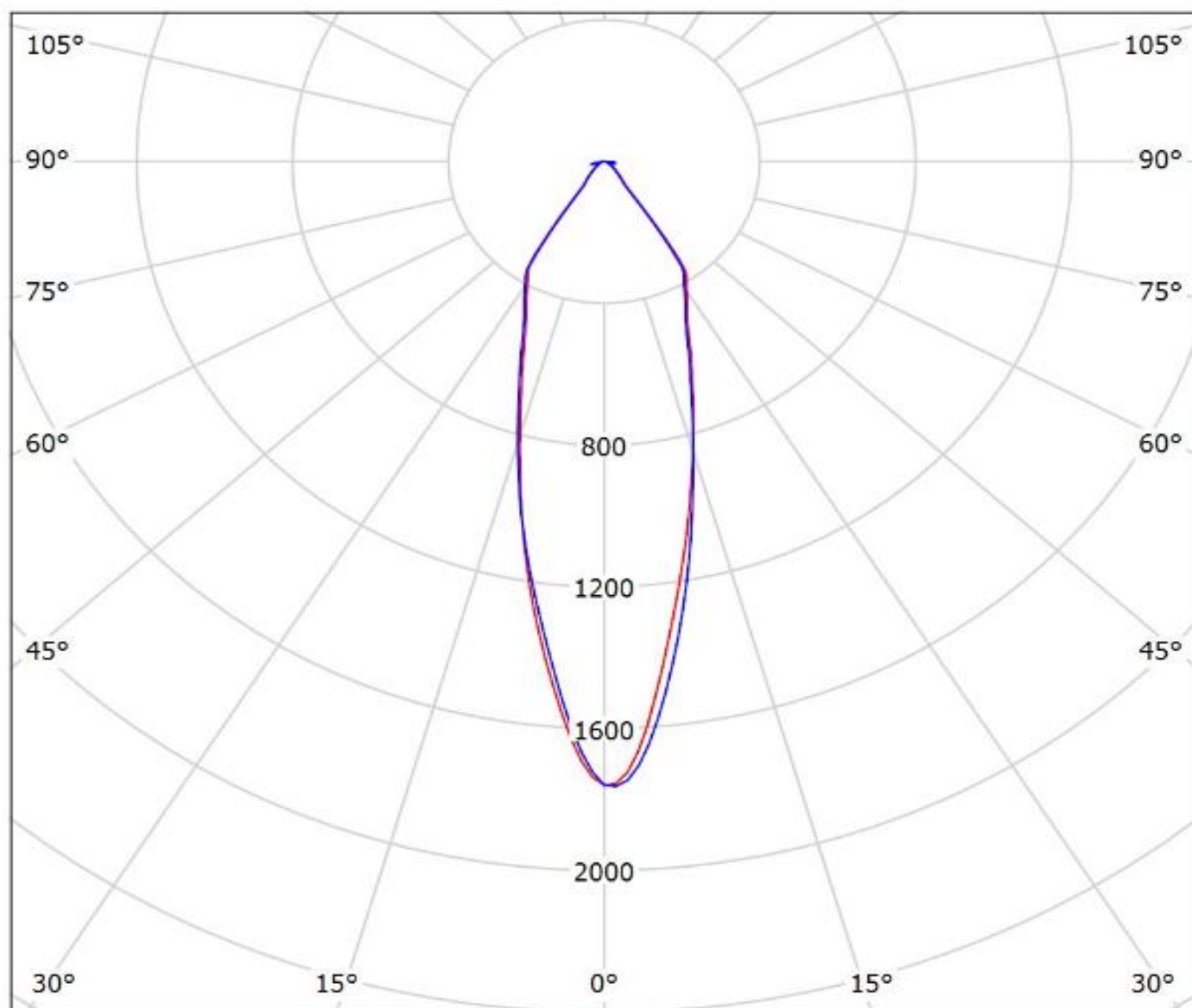


cd/klm

$\eta = 83\%$

— C0 - C180 — C90 - C270

Luminaire: Ledil F13381_ANGELA-W_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1337.27lm@250mA_CCT=2700K_P=8.35W_I=0.25A

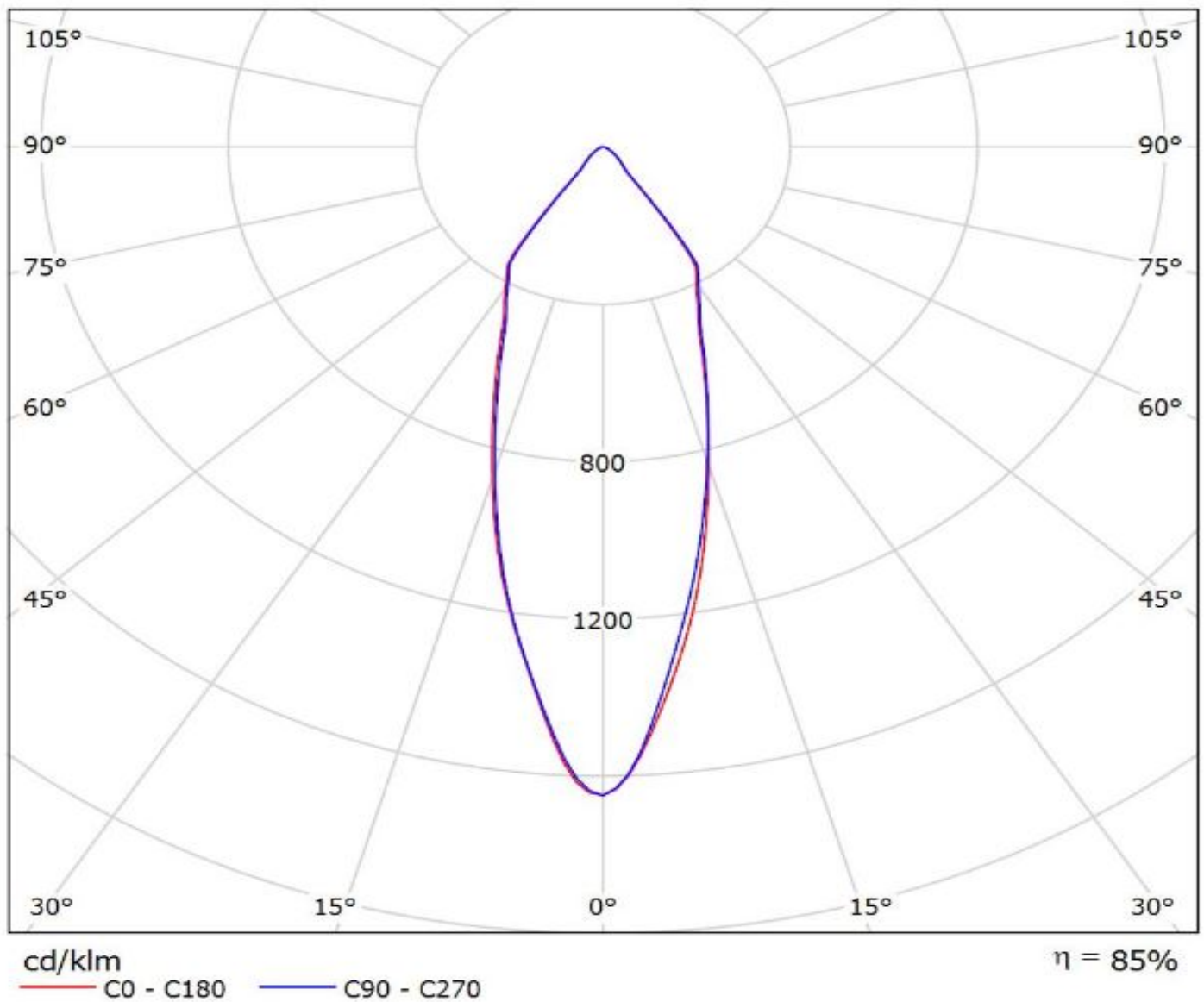


cd/klm
— C0 - C180 — C90 - C270

$\eta = 85\%$

Ledil F13381_ANGELA-W_(CLU720) / LDC (Polar)

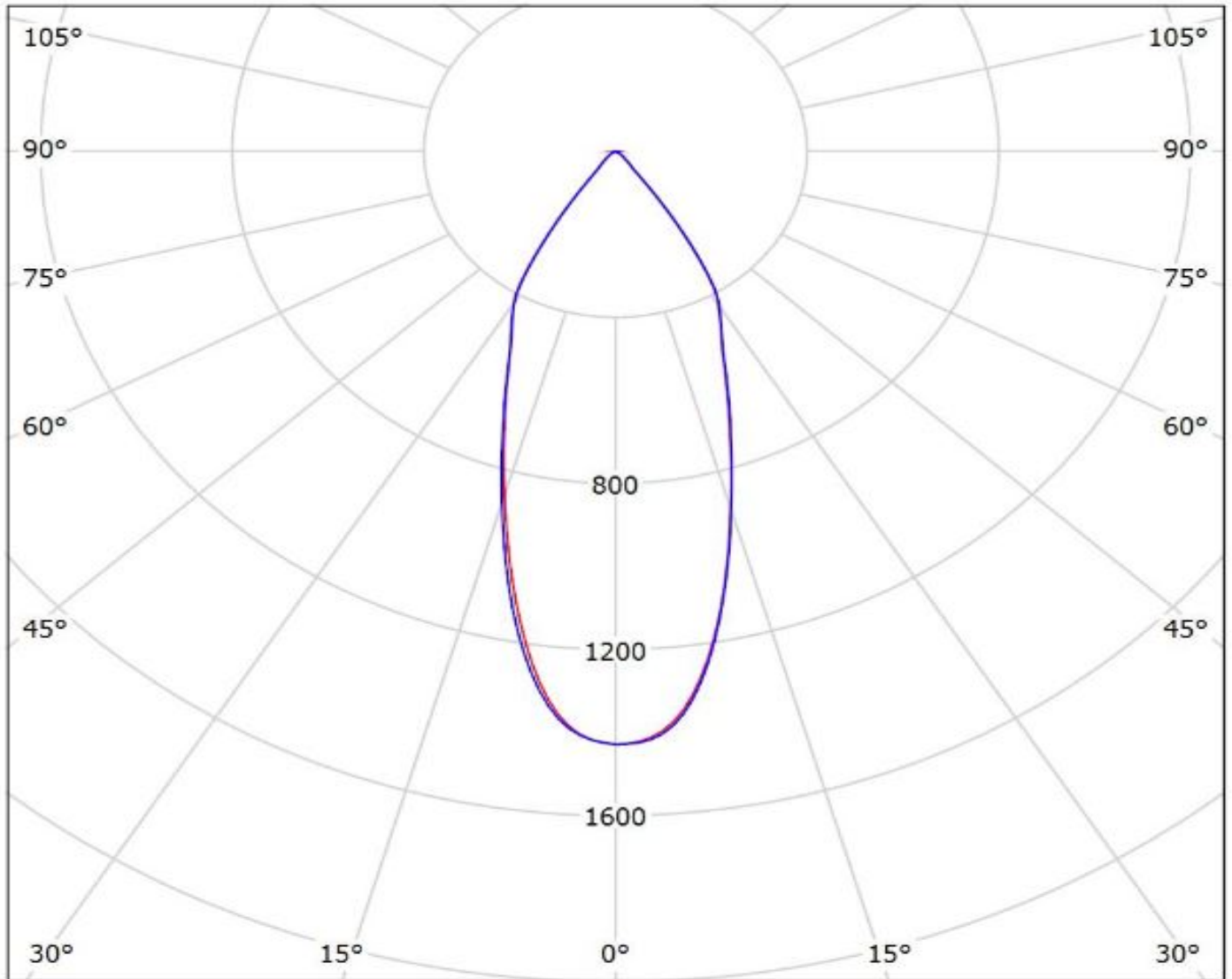
Luminaire: Ledil F13381_ANGELA-W_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1344.79lm@250mA_CCT=2700K_P=8.35W_I=0.25A



Ledil FCN13704_ANGELA-W_(CLU044)_(431_Typ_L3) / LDC (Polar)

Luminaire: Ledil FCN13704_ANGELA-W_(CLU044)_(431_Typ_L3)

Lamps: 1 x Citizen_CLU044_(CLU044-1212B8-303M1A2)_1272.54lm@250mA_P=8.16W_I=0.25A



cd/klm

— C0 - C180

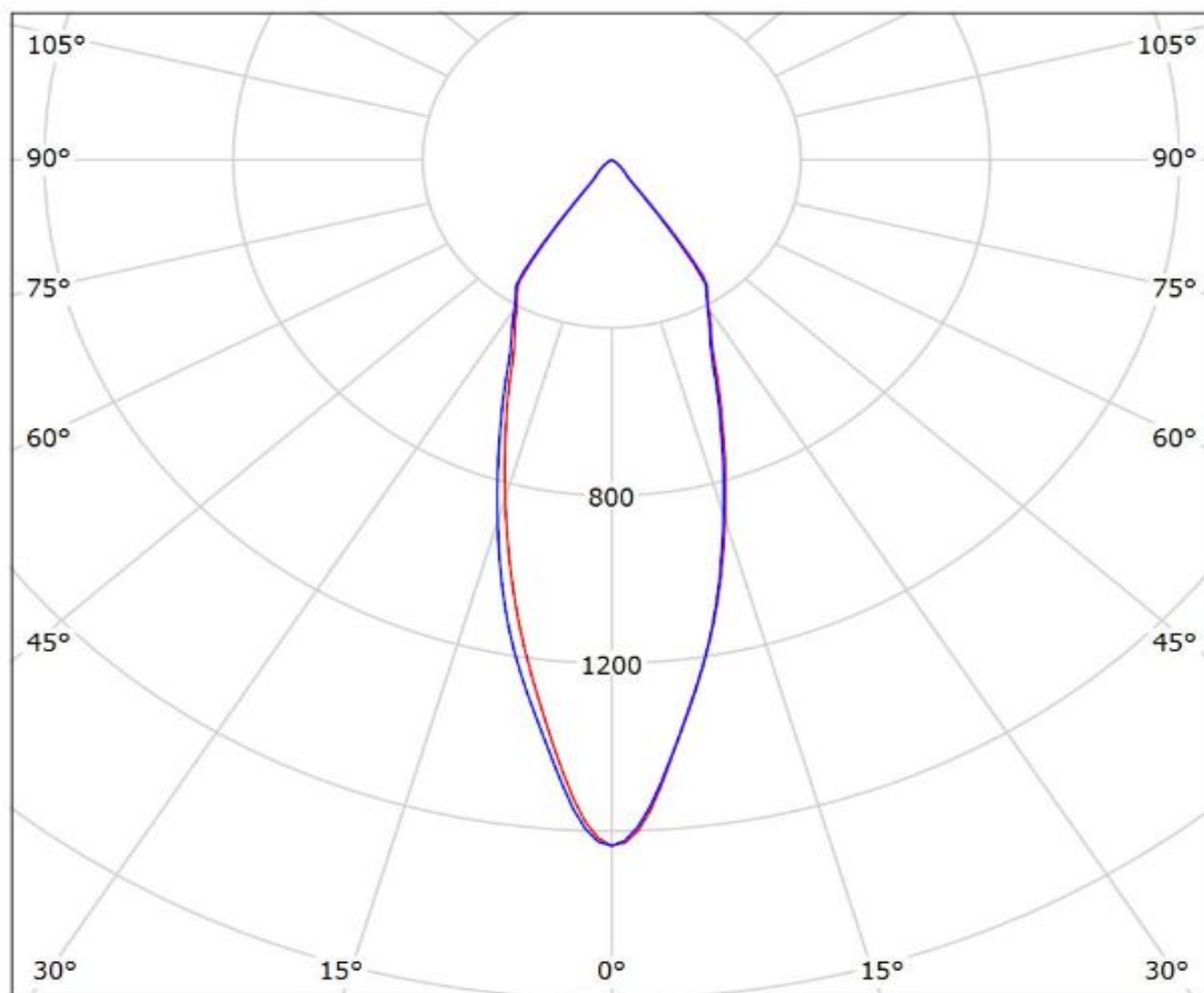
— C90 - C270

$\eta = 83\%$

Ledil FCN13707_ANGELA-W_(CLU720)_(433_Typ_L1) / LDC (Polar)

Luminaire: Ledil FCN13707_ANGELA-W_(CLU720)_(433_Typ_L1)

Lamps: 1 x Citizen_CLU720_(CLU720-1206B8-273M2G1)_1225.89lm@250mA_P=8.3W_I=0.25A

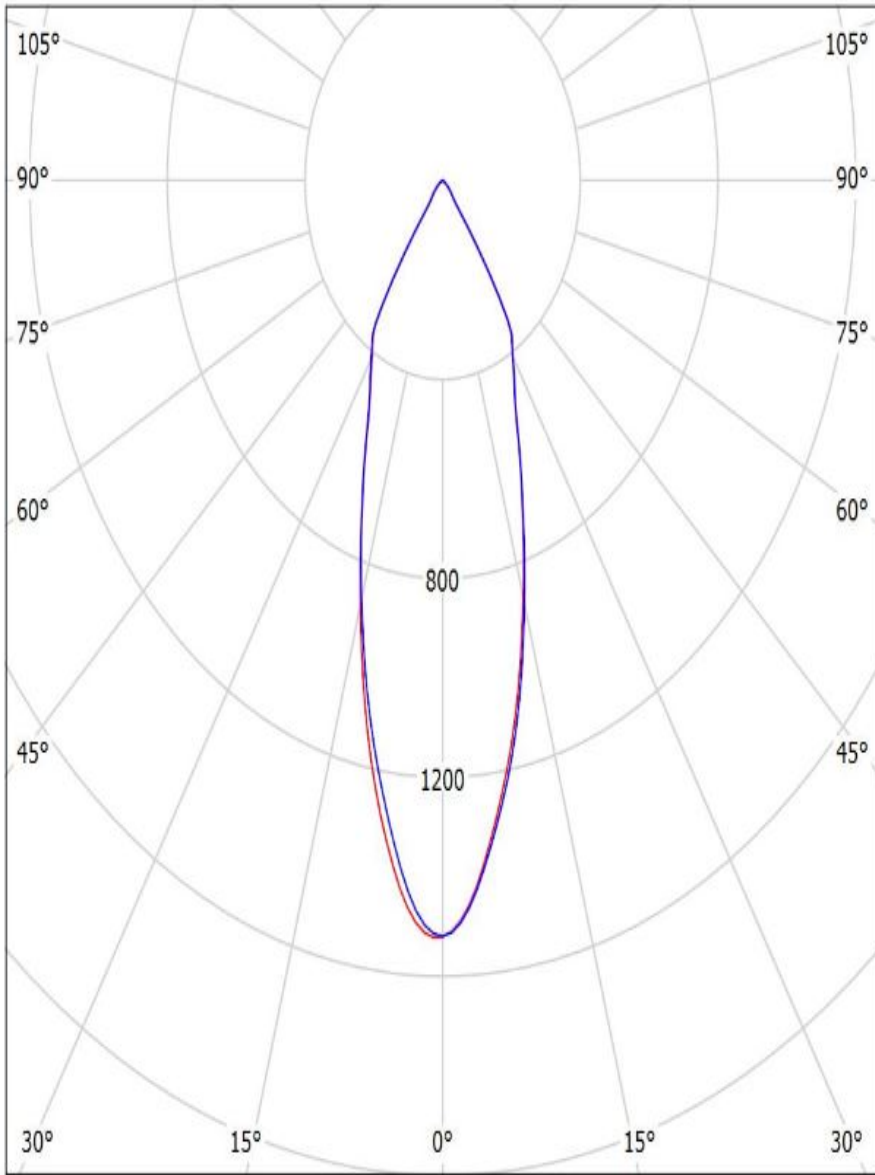


cd/klm

— C0 - C180 — C90 - C270

$\eta = 82\%$

Luminaire: Ledil FCN13707_ANGELA-W_(CLU034)_ (433_Typ_L1)_ (C13658) Citizen_CLU034_(CLU034-1205B8-303M1A2)_1180.79lm@250mA_P=8.50075W_I=0.25A
Lamps: 1 x Citizen_CLU034_(433_Typ_L1)_ (C13658)_1173.16lm@250mA_P=8.475W_I=0.25A

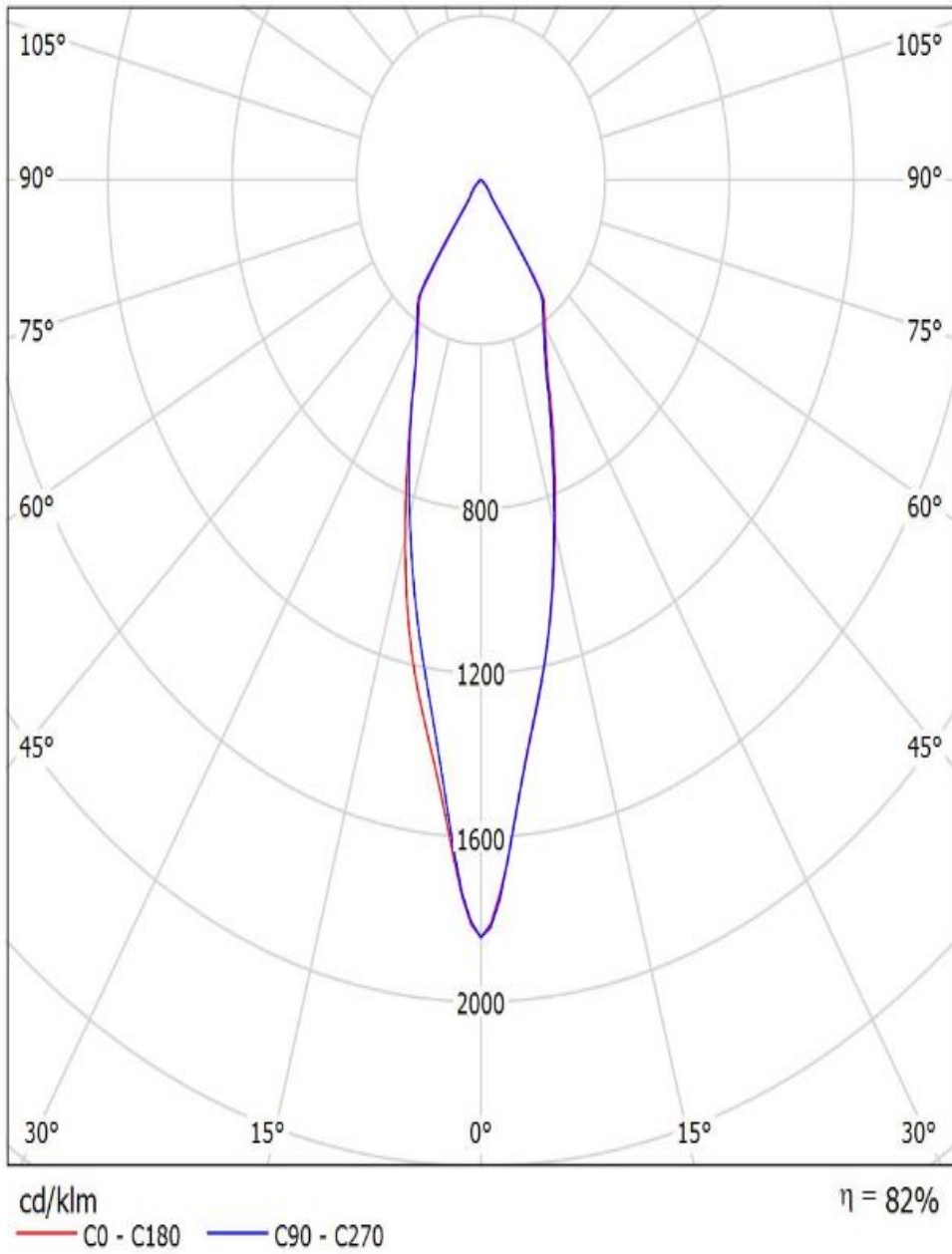


cd/klm

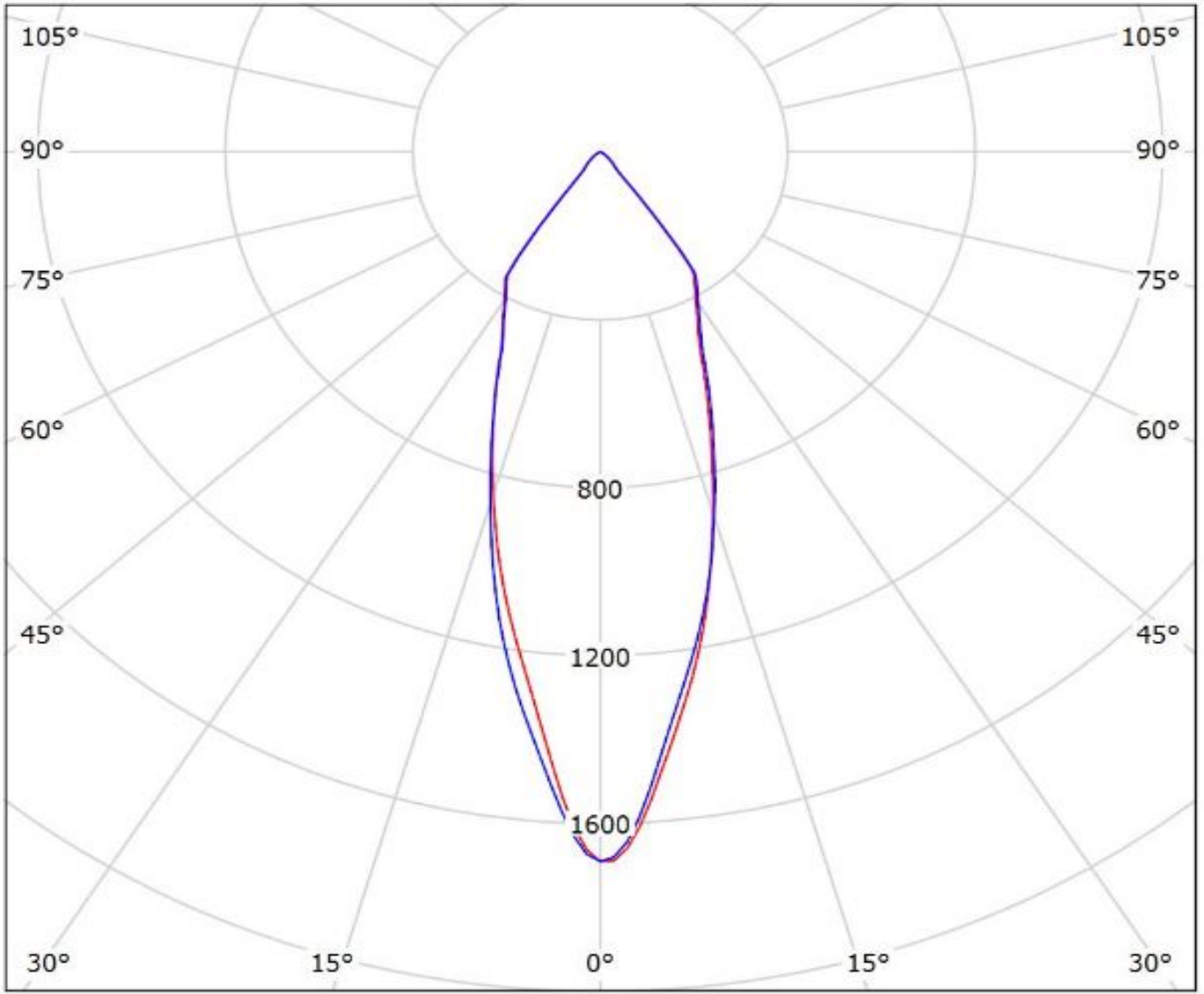
— C0 - C180 — C90 - C270

$\eta = 82\%$

Luminaire: Ledil FCN13707_ANGELA-W_(CLU700)_434_Typ_L1 Citizen_CLU700_(CLU700-1002B8-273M2G1)_390.128lm@100mA_P=3W_I=0.10A
Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_388.036lm@100mA_P=3W_I=0.10A



Luminaire: Ledil FCN13707_ANGELA-W_(CLU024)_(433_Typ_L1) Citizen_CLU024_(433_Typ_L1)_
(C13658_CLAMP-VERO13-18)_1071.07lm@250mA_P=8.43W_I=0.25A
Lamps: 1 x Citizen_CLU024_(433_Typ_L1)_(C13658_CLAMP-VERO13-18)
_1071.07lm@250mA_P=8.43W_I=0.25A



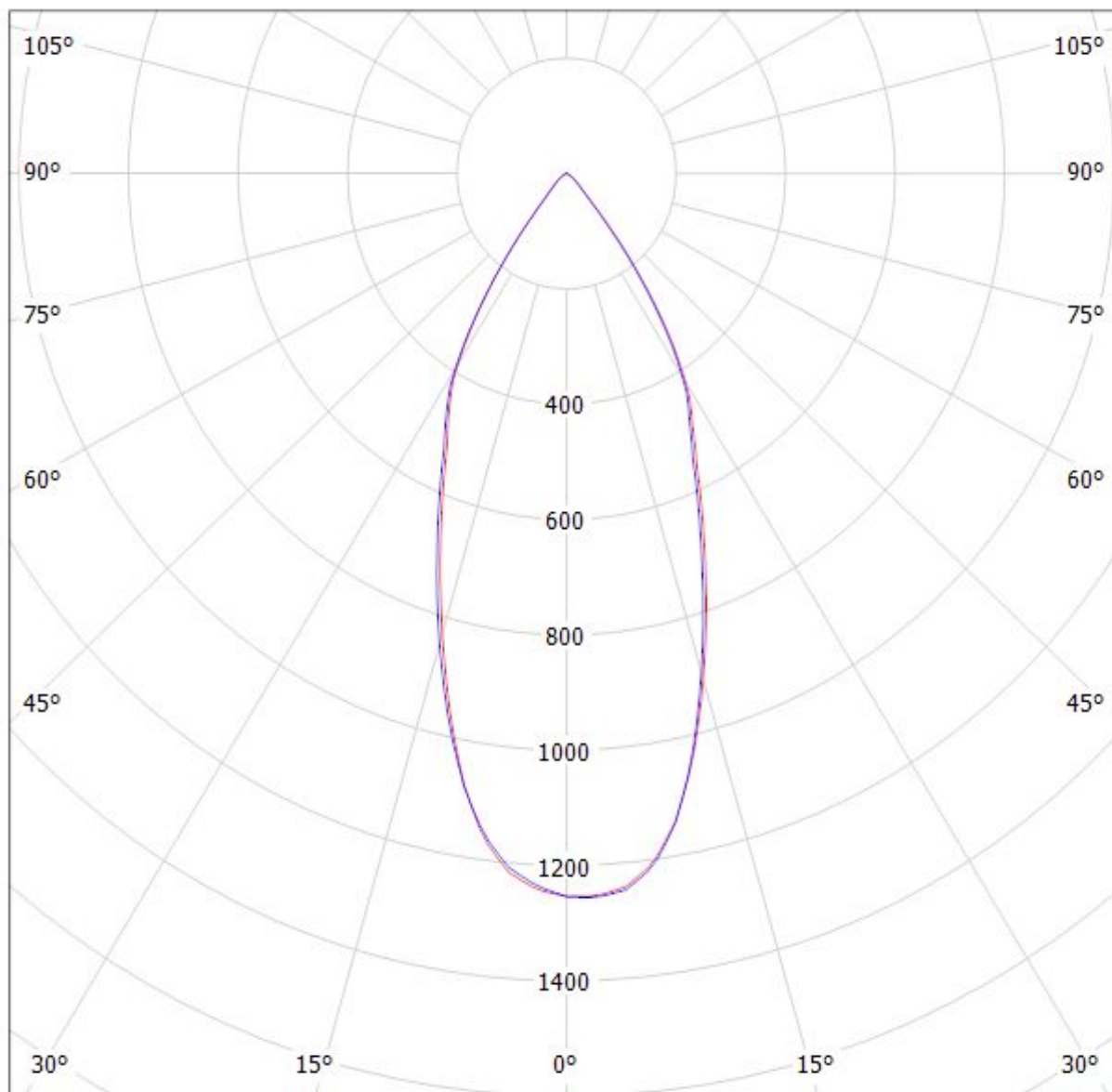
cd/klm

— C0 - C180 — C90 - C270

$\eta = 82\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(CXA3590)

Lamps: 1 x CREE_CXA3590_(CXA3590-30F-BD-R0H-0002)_2640.14lm@250mA_CCT=3000K_P=16.3941W_I=249.8mA



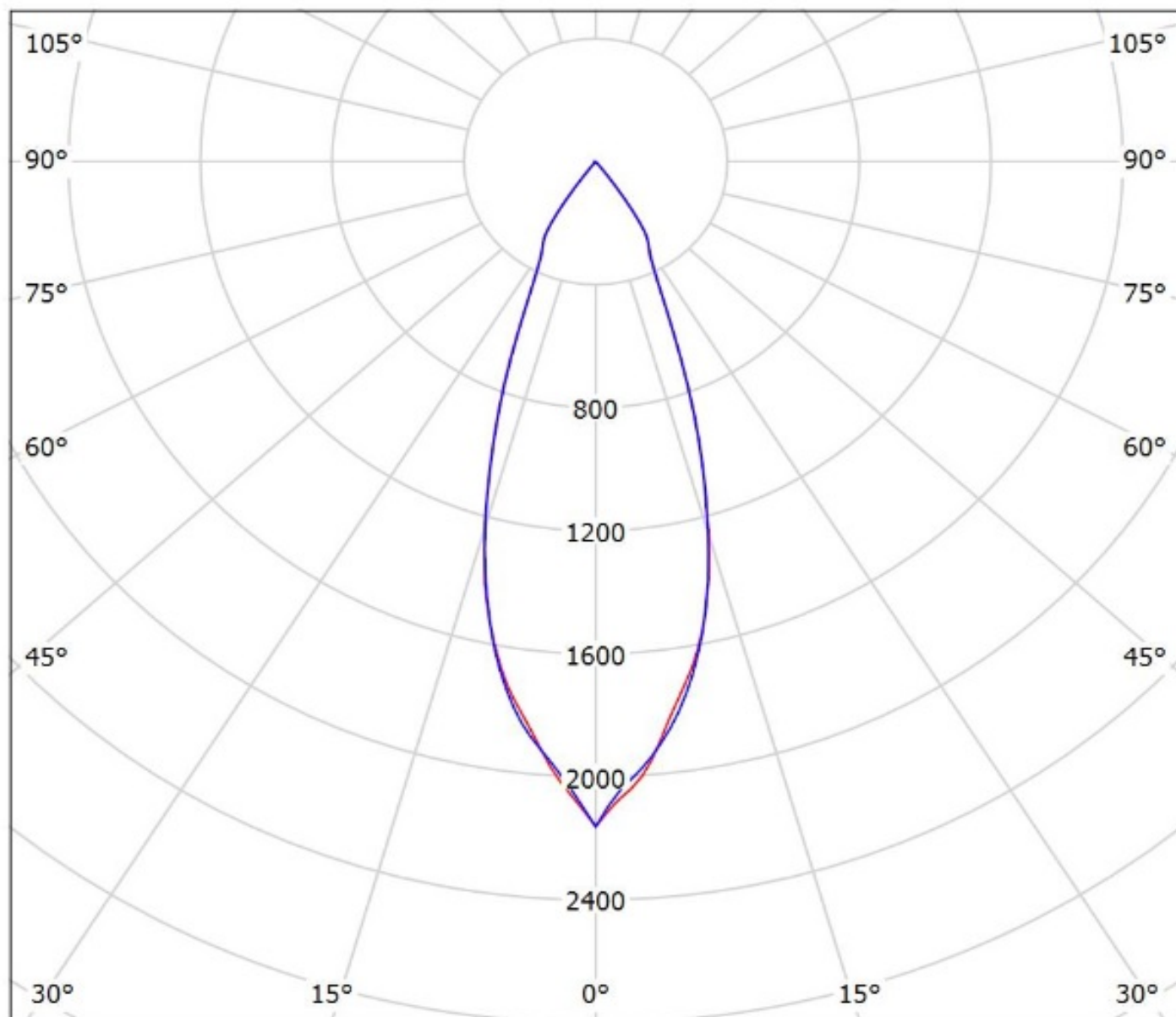
cd/klm

— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: Ledil Oy F13381_ANGELA-W_(CXB1830)_(TE_2213401-2+TE_2213194-1)_SIMULATED
Lamps: 1 x Cree CXB1830 + Tyco Electronics 2213401-2 + TE 2213194-1



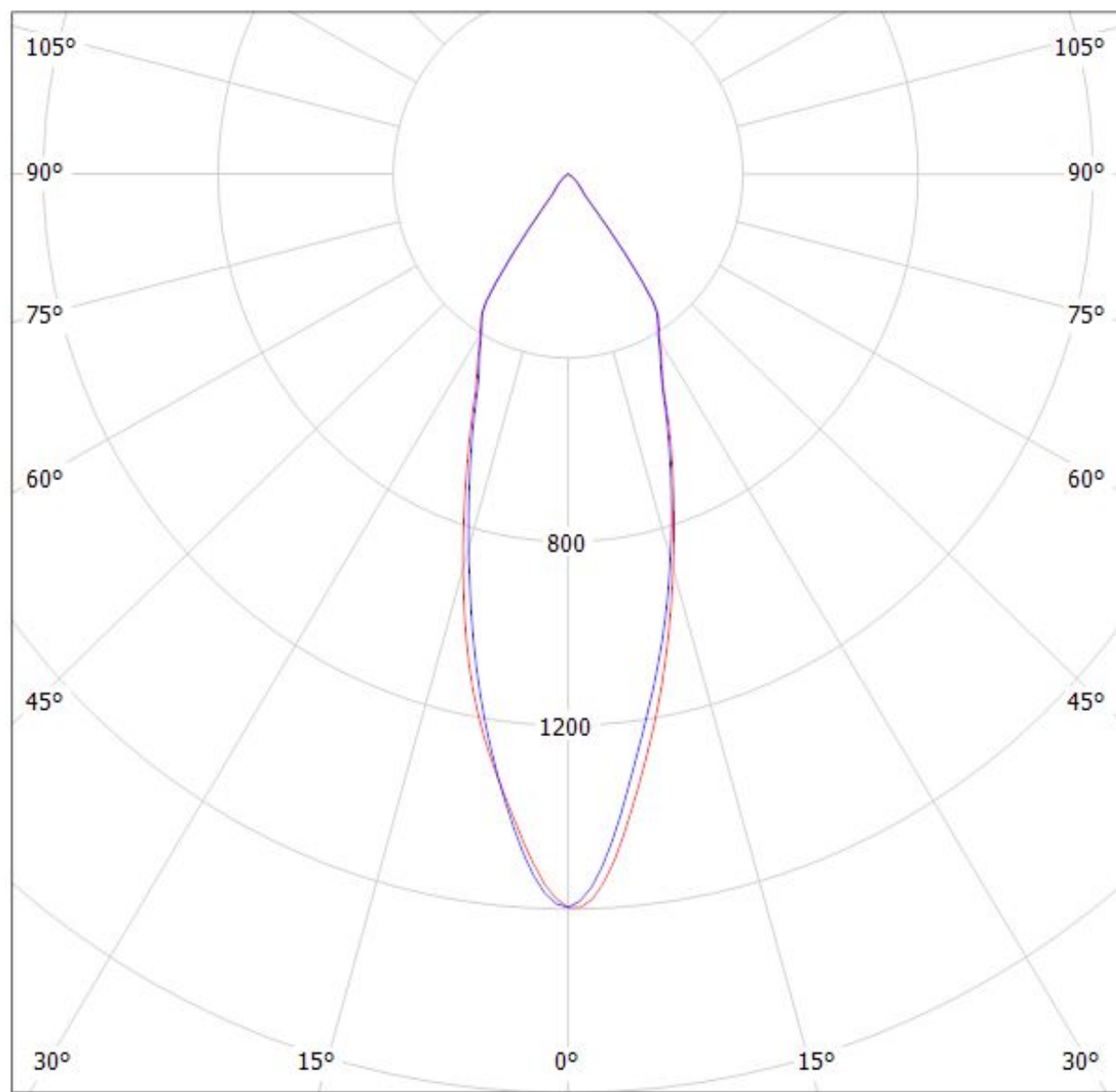
cd/klm

— C0 - C180 — C90 - C270

$\eta = 87\%$

Luminaire: Ledil FCN13707_ANGELA-W_(CXA1850)

Lamps: 1 x CREE_CXA1850_(CXA1850-30F-T4-N0Y-00001)_831.914lm@250mA_CCT=3000K_P=8.27W_I=0.25A



cd/klm

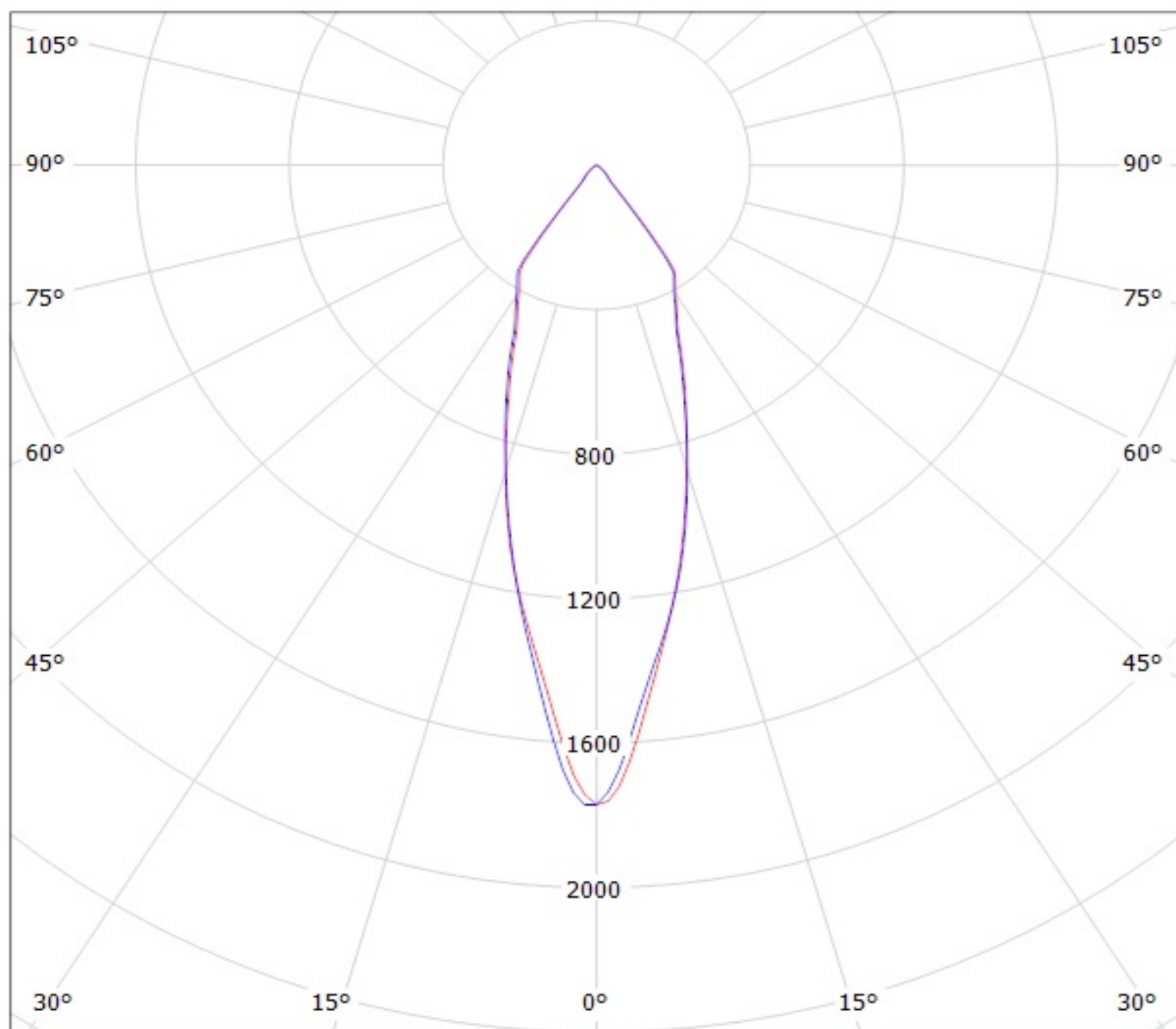
— C0 - C180

— C90 - C270

$\eta = 82\%$

Luminaire: LEDiL Oy FCN13707_ANGELA-W_(CXA1520)_(441_Typ_L1)

Lamps: 1 x Cree_CXA1520_(CXA1520-30F-N4-00H-00001)_993.209lm@250mA_P=8.74575W_I=0.2499A



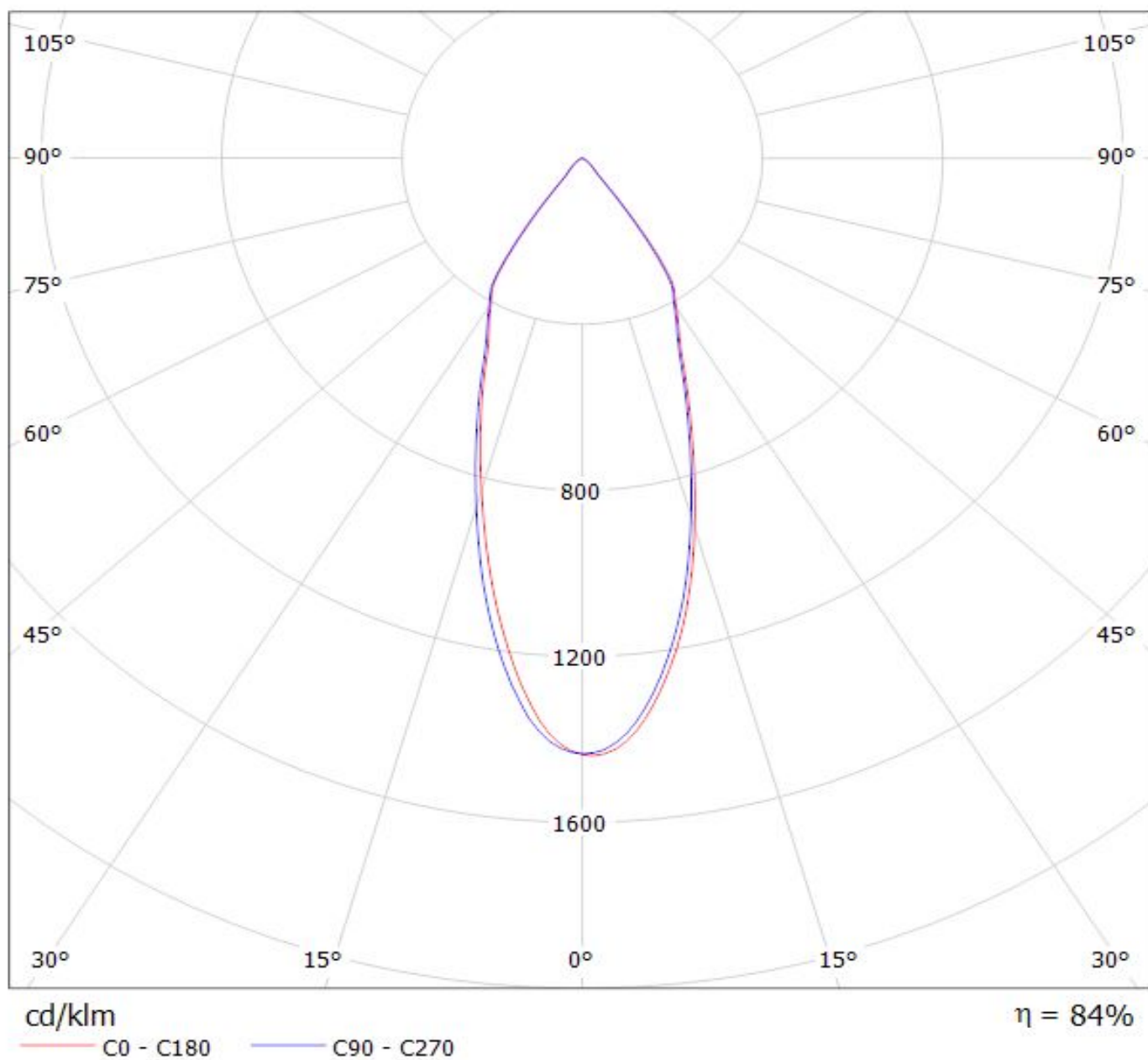
cd/klm

— C0 - C180

— C90 - C270

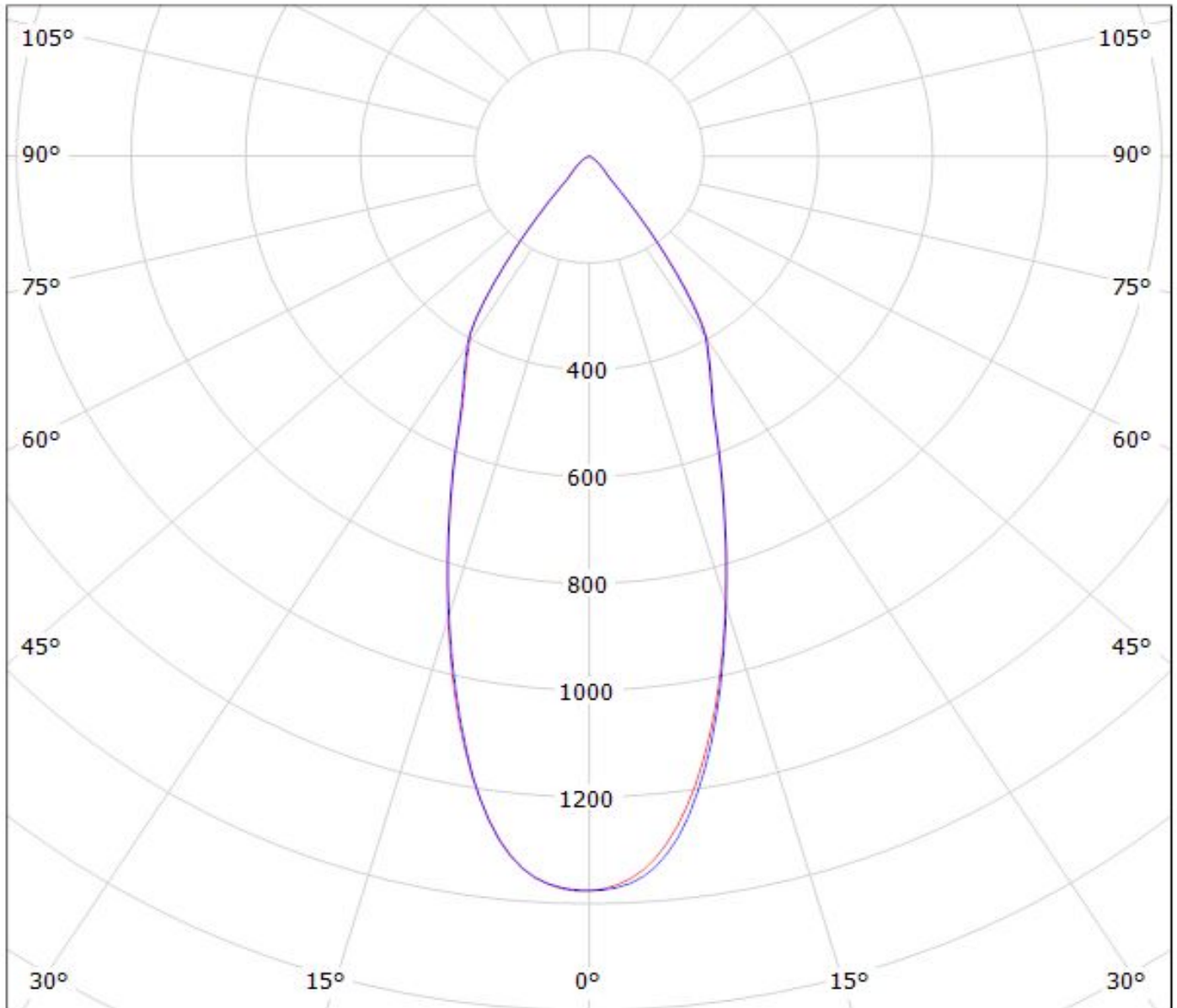
$\eta = 83\%$

Luminaire: LEDiL Oy FCN14378_ANGELA-W_(CXA25) Eff.83.6%
Lamps: 1 x CREE_CXA25_(CXA2430-7C0-T2-N0H)
_1176.87lm@250mA_CCT=3000K_P=8.4851W_I=249.9mA



Luminaire: LEDiL Oy FCN14378_ANGELA-W_(CXA30) Eff.84.1%

Lamps: 1 x Cree_CXA30_(CXA3050-3C0-Y2-N0H)_1385.42lm@250mA_P=8.18947W_I=249.9mA



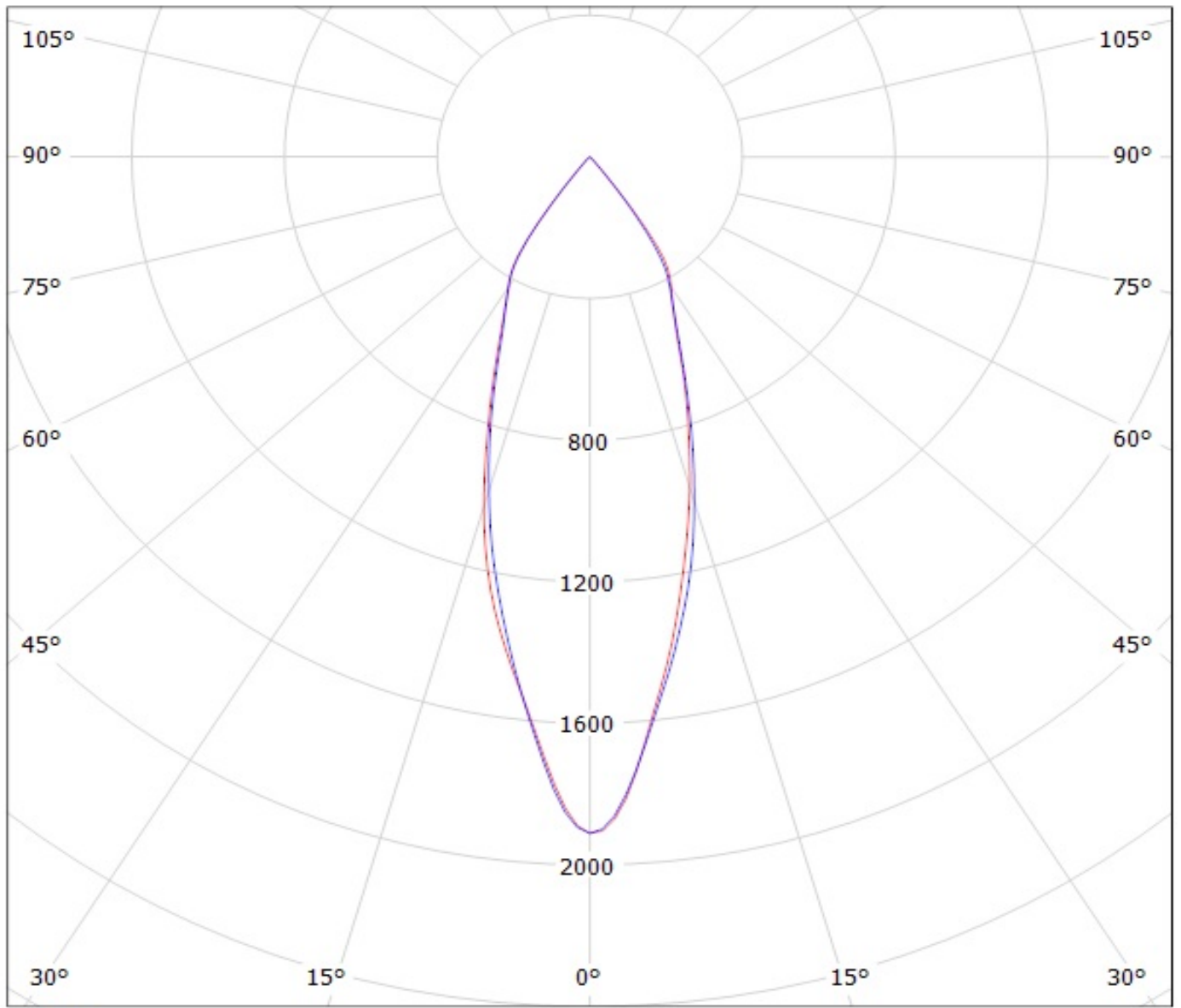
cd/klm

— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDil Oy FCN14381_ANGELA-W_(CXA1507) Efficiency=84%
Lamps: 1 x Cree CXA1507 (CXA1507-30F-F4-N0H-00000) 212lm @ 50mA CCT=3100K P=1.7W I=50mA

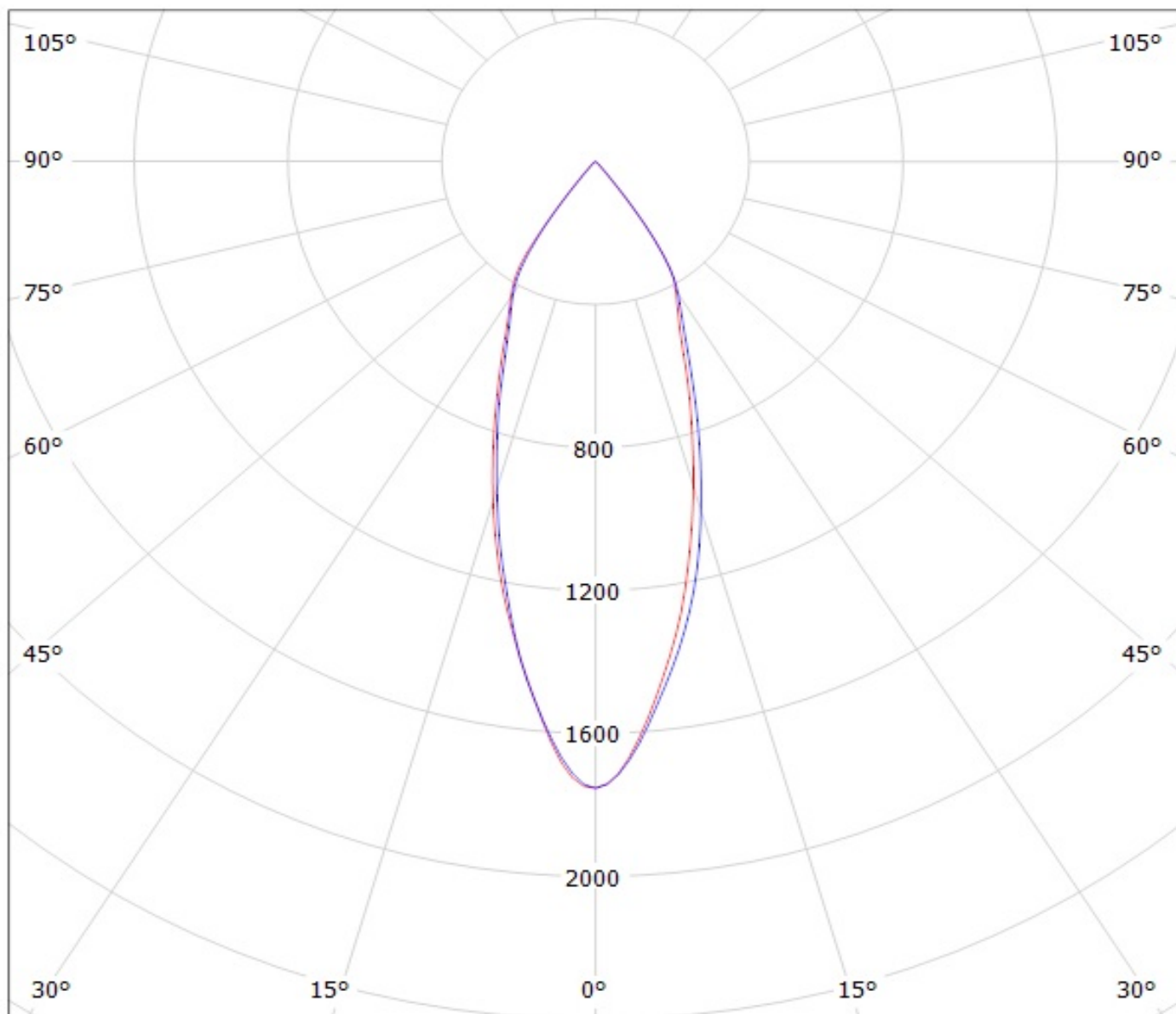


cd/klm

— C0 - C180

— C90 - C270

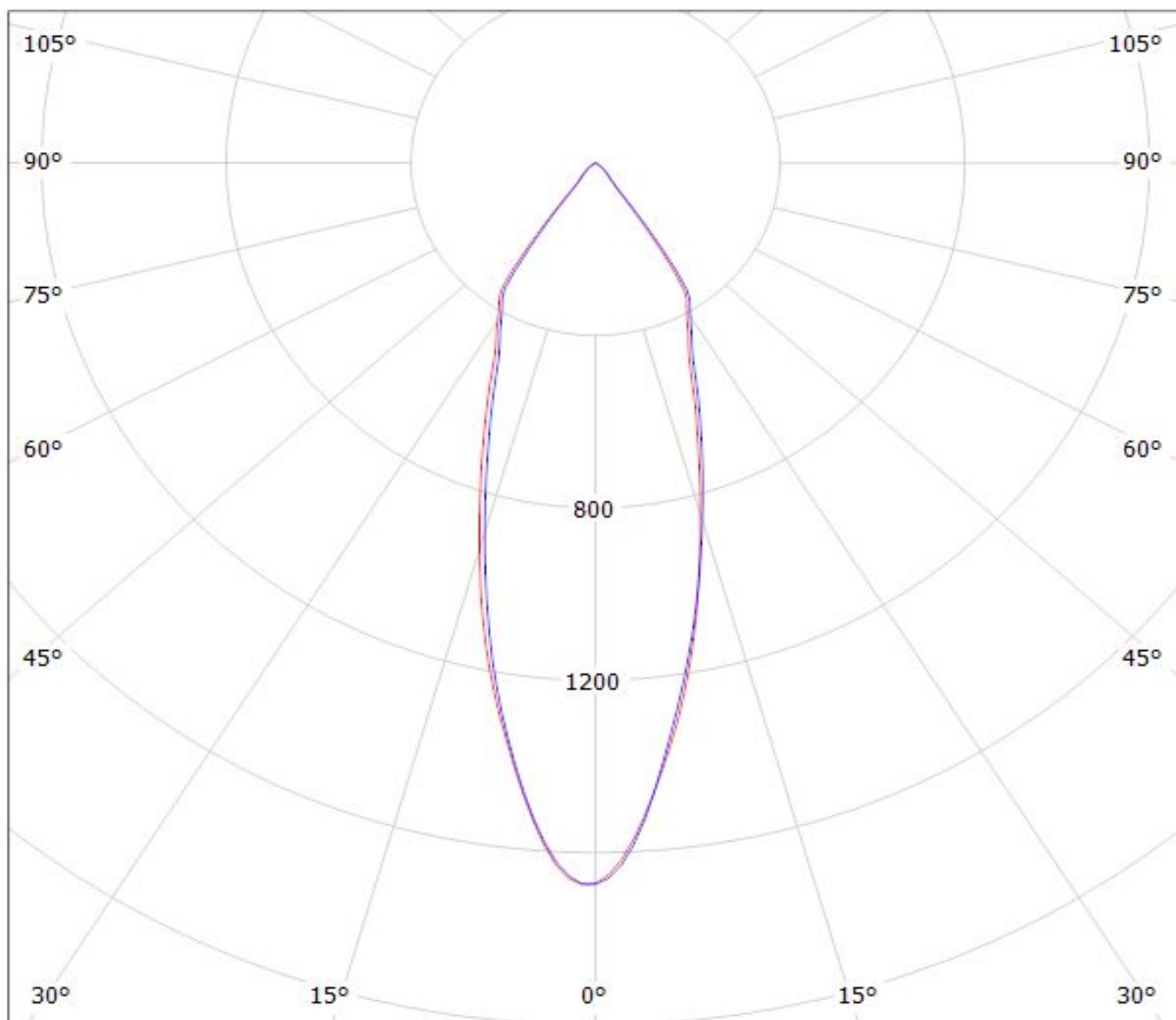
Luminaire: LEDil Oy FCN14381_ANGELA-W_(CXA1816) Efficiency=84%
Lamps: 1 x Cree CXA1816 (988lm @ 250mA) CCT=3200K P=8.8W I=250mA



cd/klm

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13381_ANGELA-W_(COB_1205) Eff.83.8%
Lamps: 1 x Luxeon_COB_1205_1092.75lm@250mA_P=8.33092W_I=249.9mA

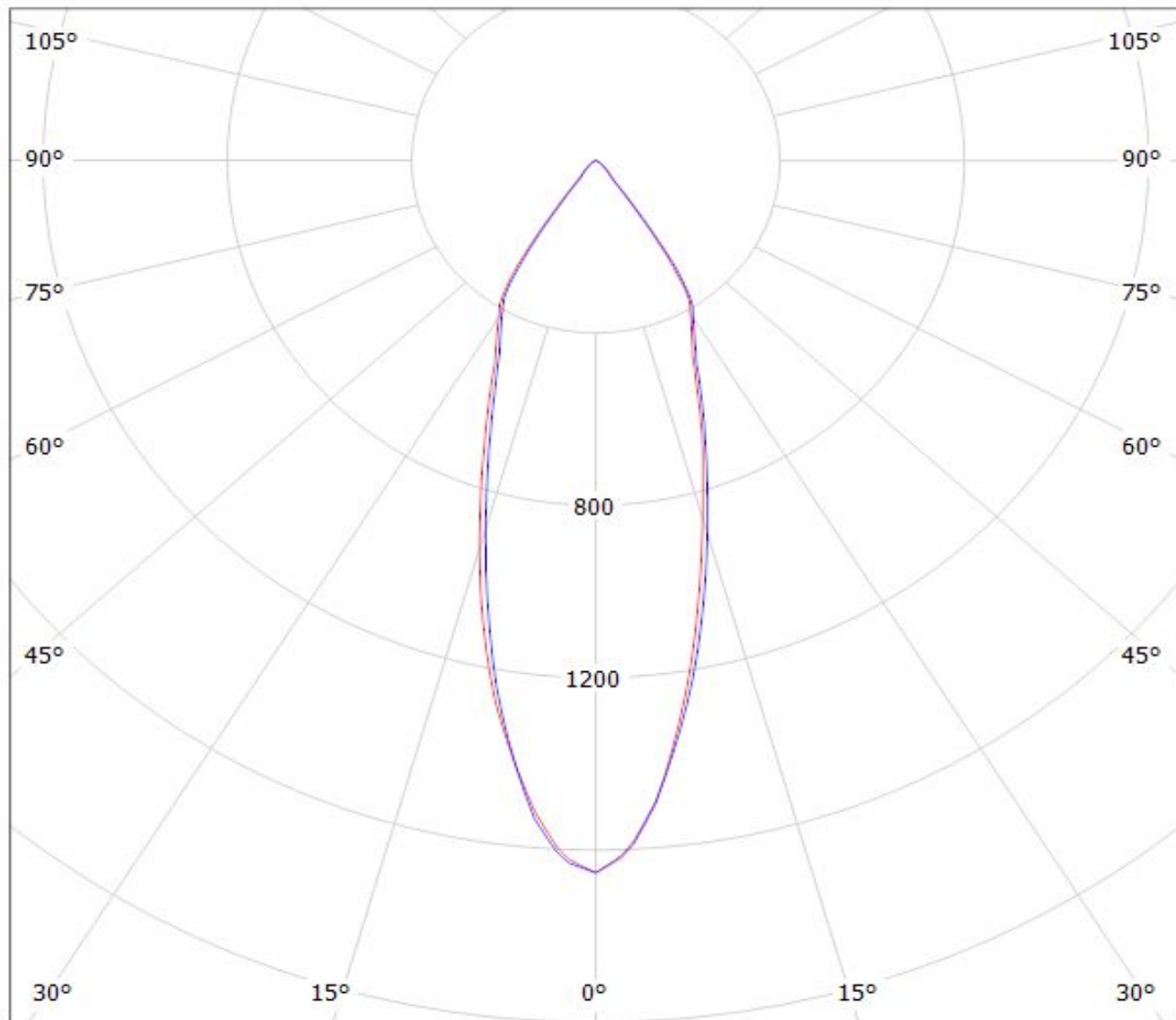


cd/klm

— C0 - C180 — C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(COB_1208) Eff.83.8%
Lamps: 1 x Luxeon_COB_1208_1039.97lm@250mA_P=8.28793W_I=249.9mA

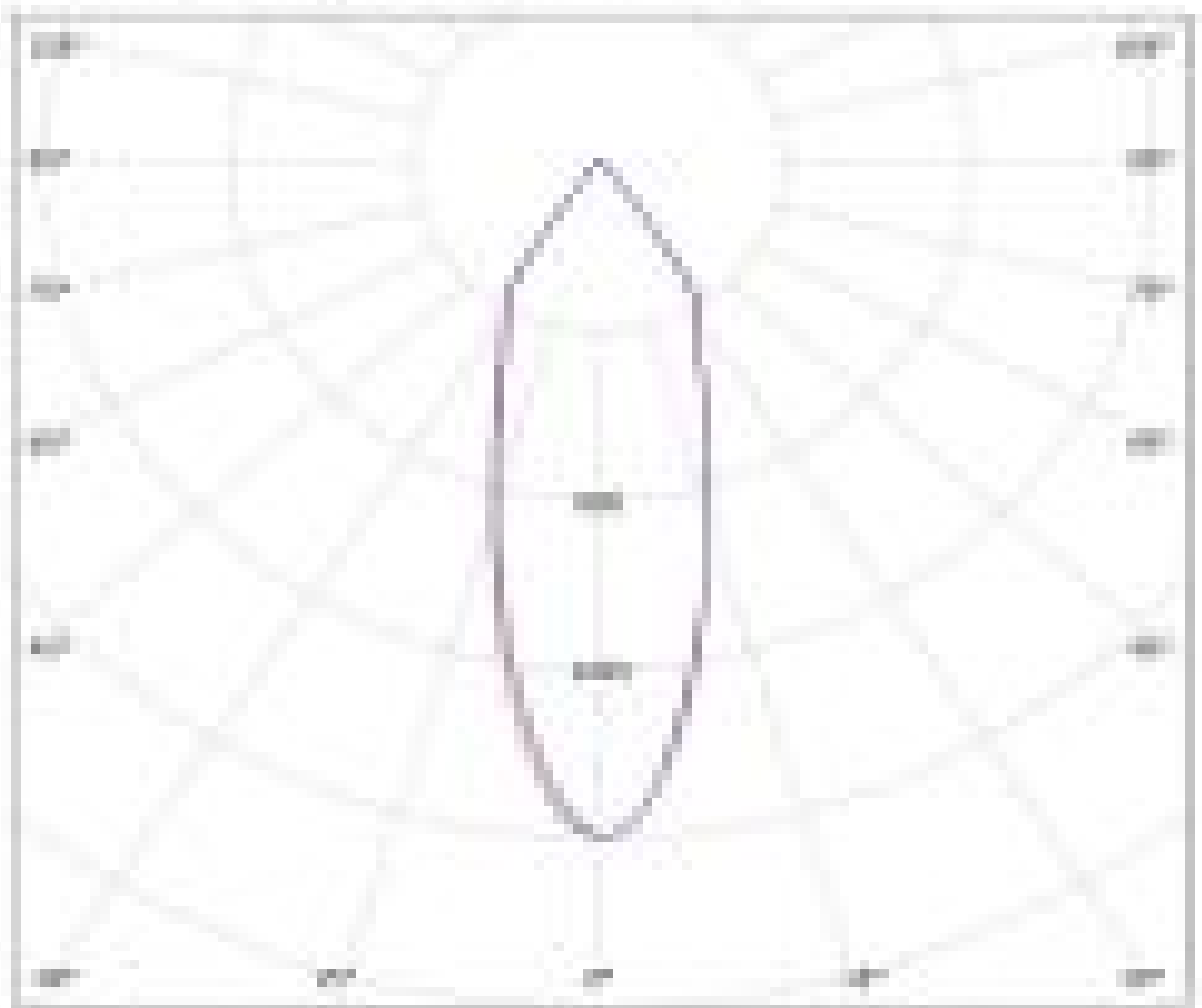


cd/klm

$\eta = 84\%$

— C0 - C180 — C90 - C270

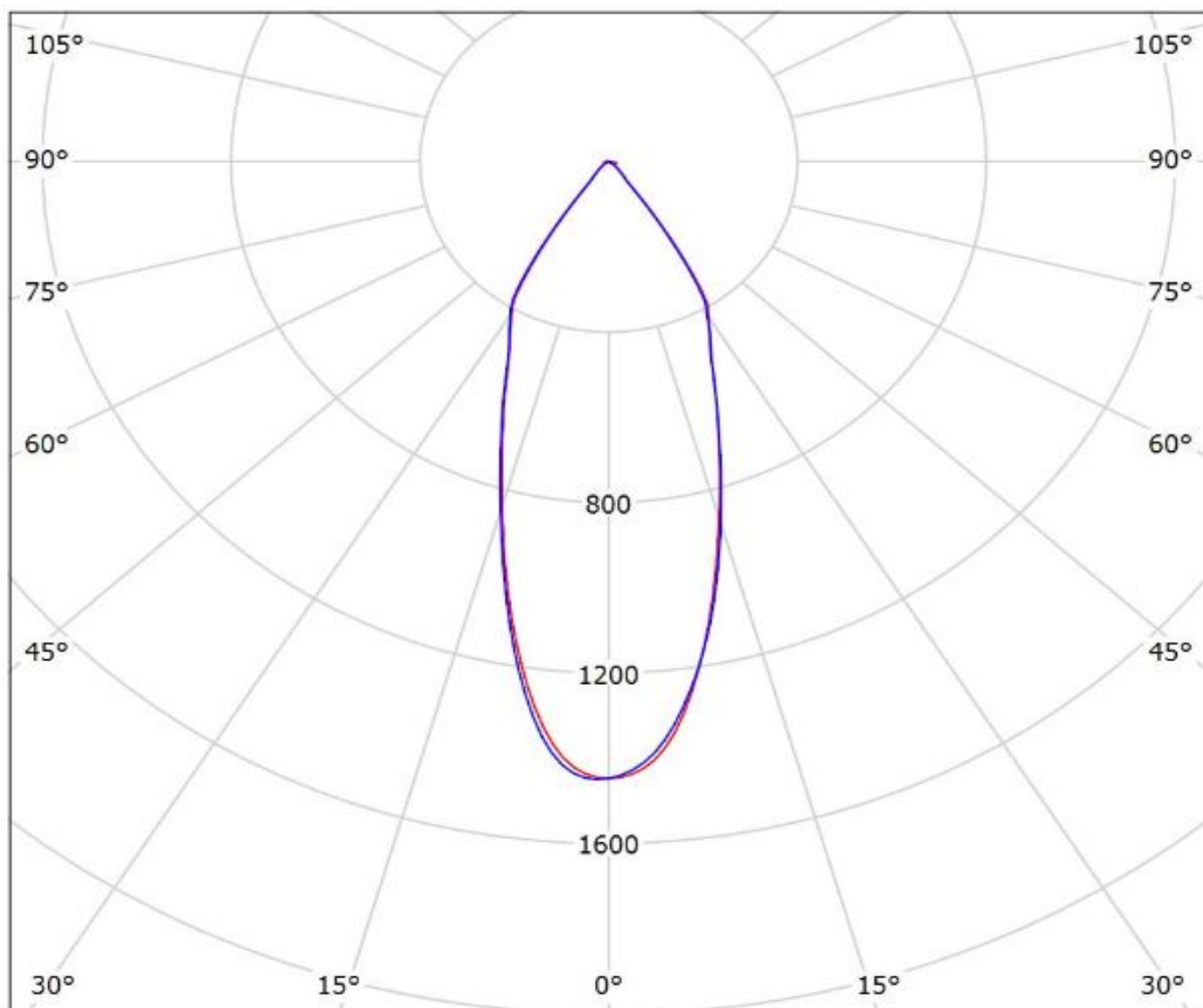
QUESTION: WHAT IS THE AREA OF THE SHADING?
ANSWER: 1/2 * 10 * 10 = 50



QUESTION: WHAT IS THE AREA OF THE SHADING?
ANSWER: 1/2 * 10 * 10 = 50

QUESTION: WHAT IS THE AREA OF THE SHADING?
ANSWER: 1/2 * 10 * 10 = 50

Luminaire: Ledil F13381_ANGELA-W_(CoB1211+IDEAL)
Lamps: 1 x Luxeon_CoB1211_(L2C2-4080)_50-2204CT+50-2100AN_1376.18lm@250mA_P=7.9988W_I=0.25A



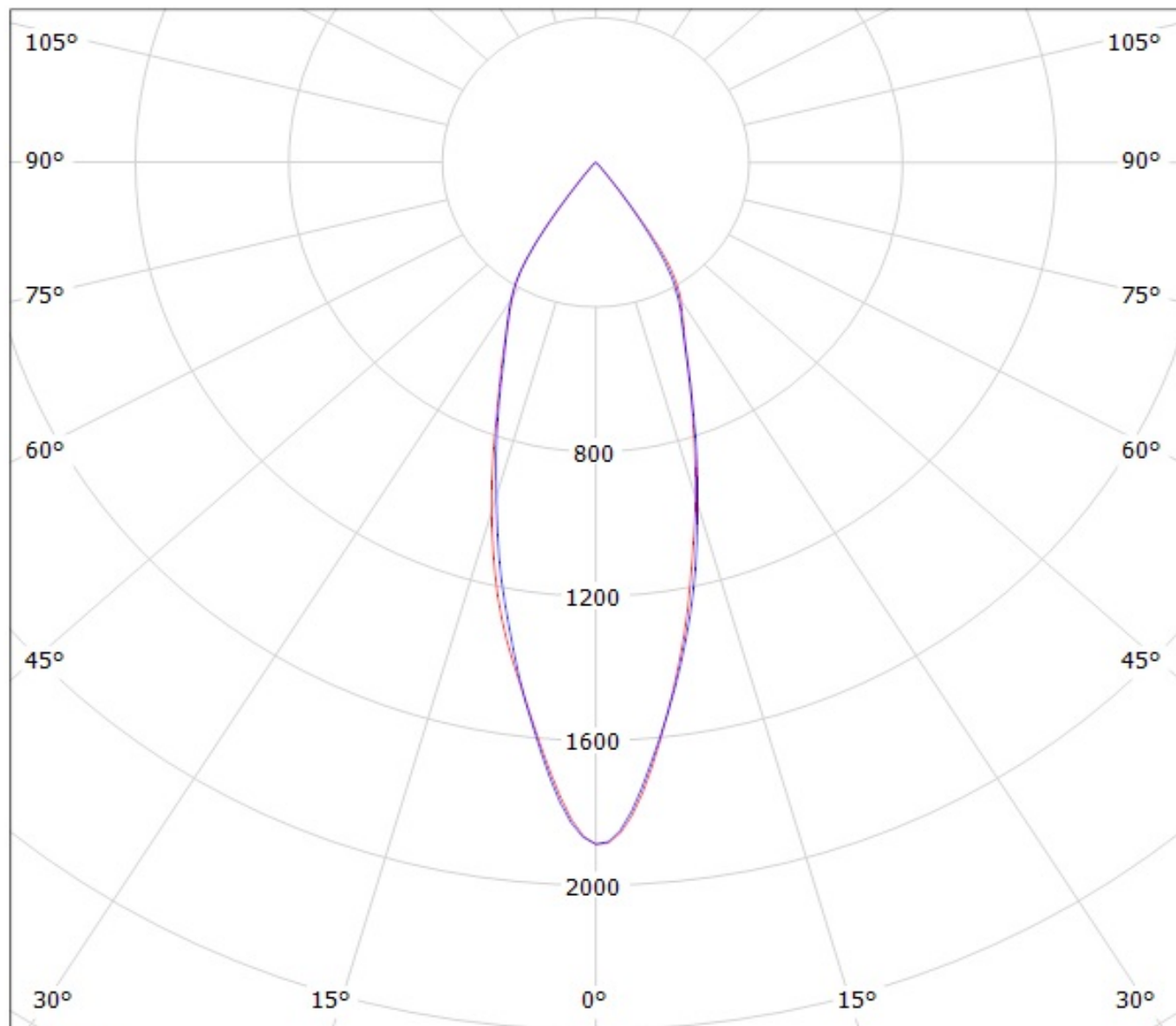
cd/klm

— C0 - C180 — C90 - C270

$\eta = 82\%$

Luminaire: LEDil Oy FCN13571_ANGELA-W_(Luxeon_S2000) Efficiency=84%

Lamps: 1 x Philips Lumileds Luxeon S2000 (LXS8-PW30-0017) 442lm @ 100mA P=4.6W I=100mA



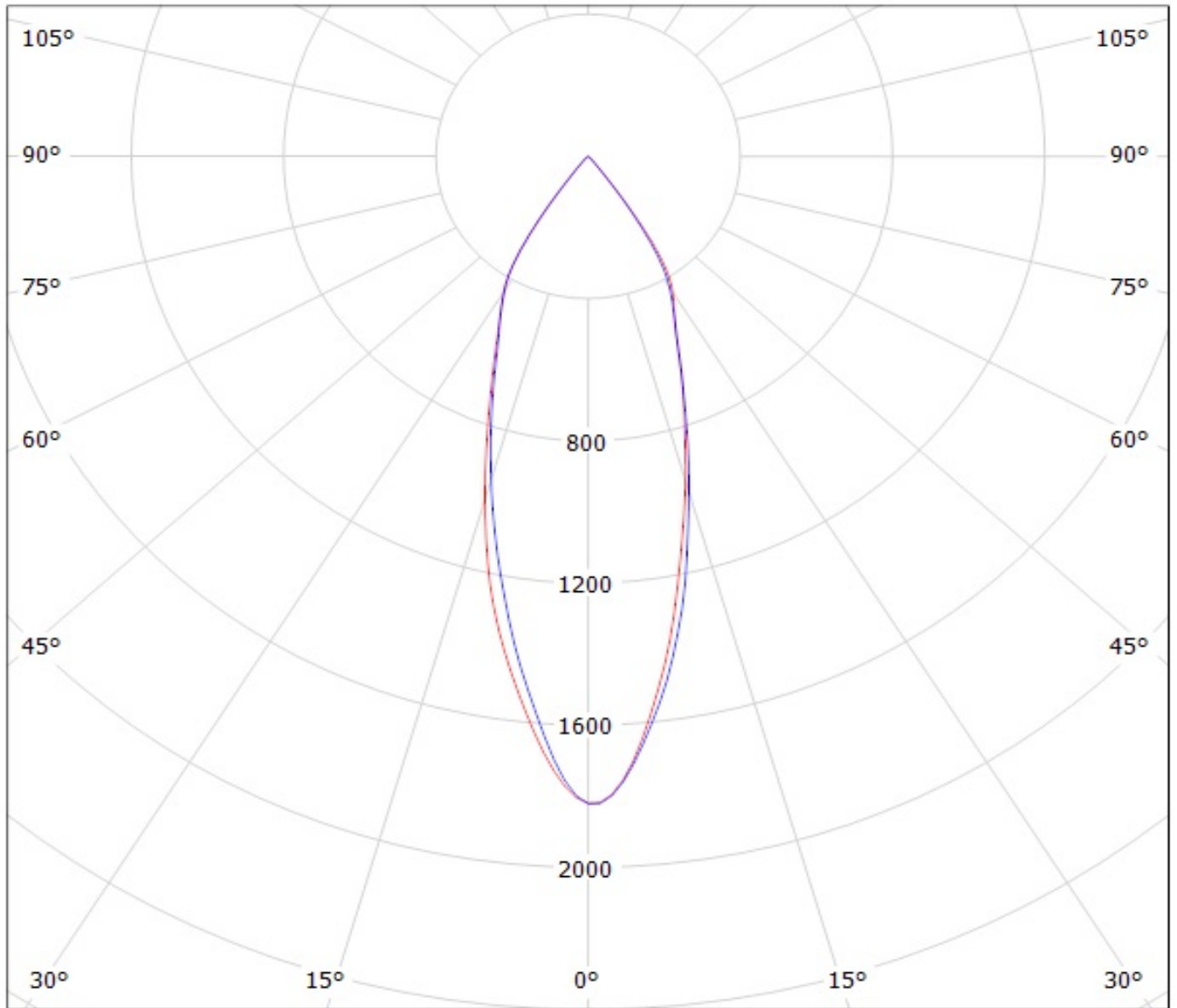
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy FCN13572_ANGELA-W_(Luxeon_S3000) Efficiency=84%

Lamps: 1 x Philips Lumileds Luxeon S3000 (LXS8-PW30-0024) 593lm @ 100mA P=6.5W I=100mA

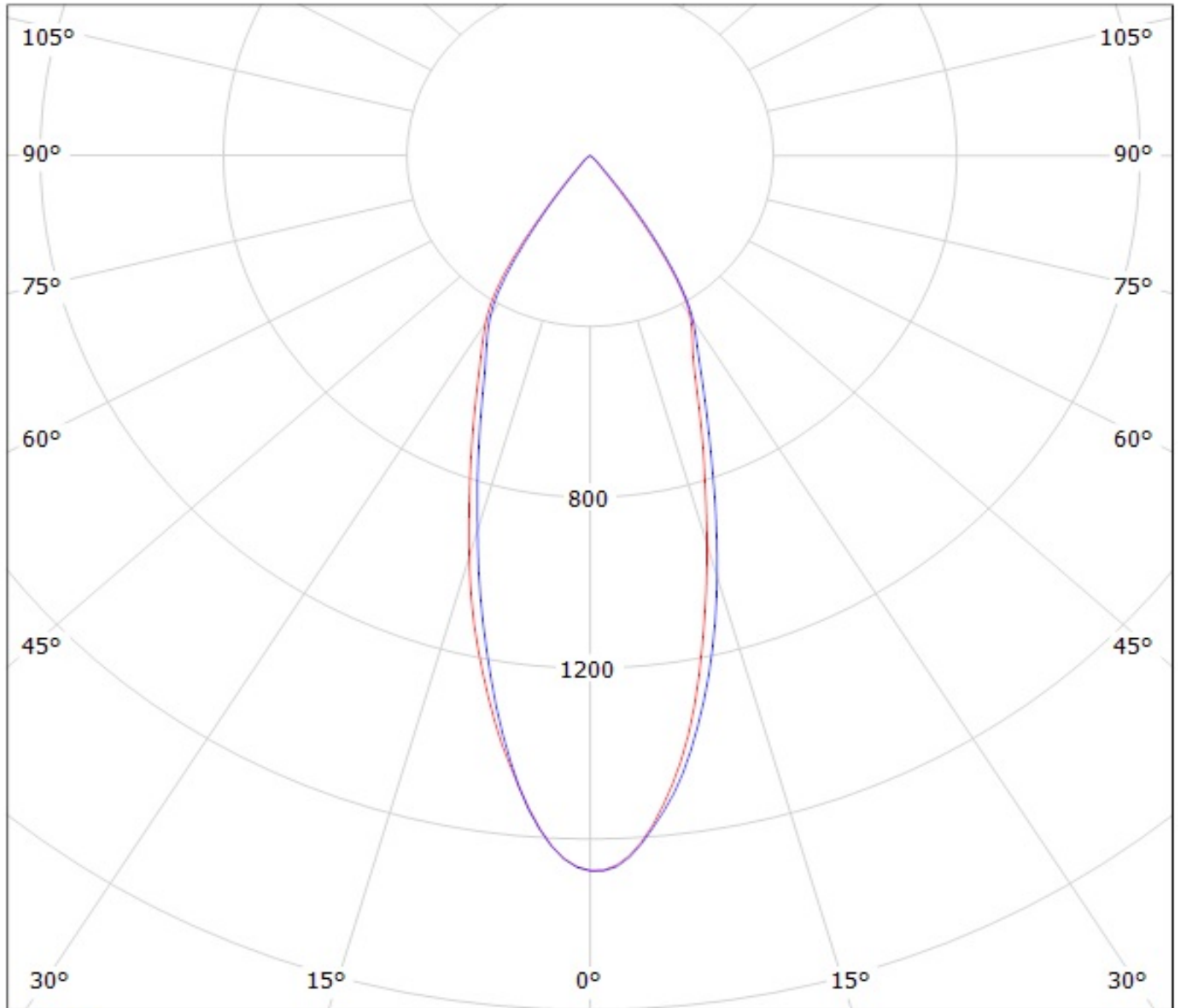


cd/klm

— C0 - C180

— C90 - C270

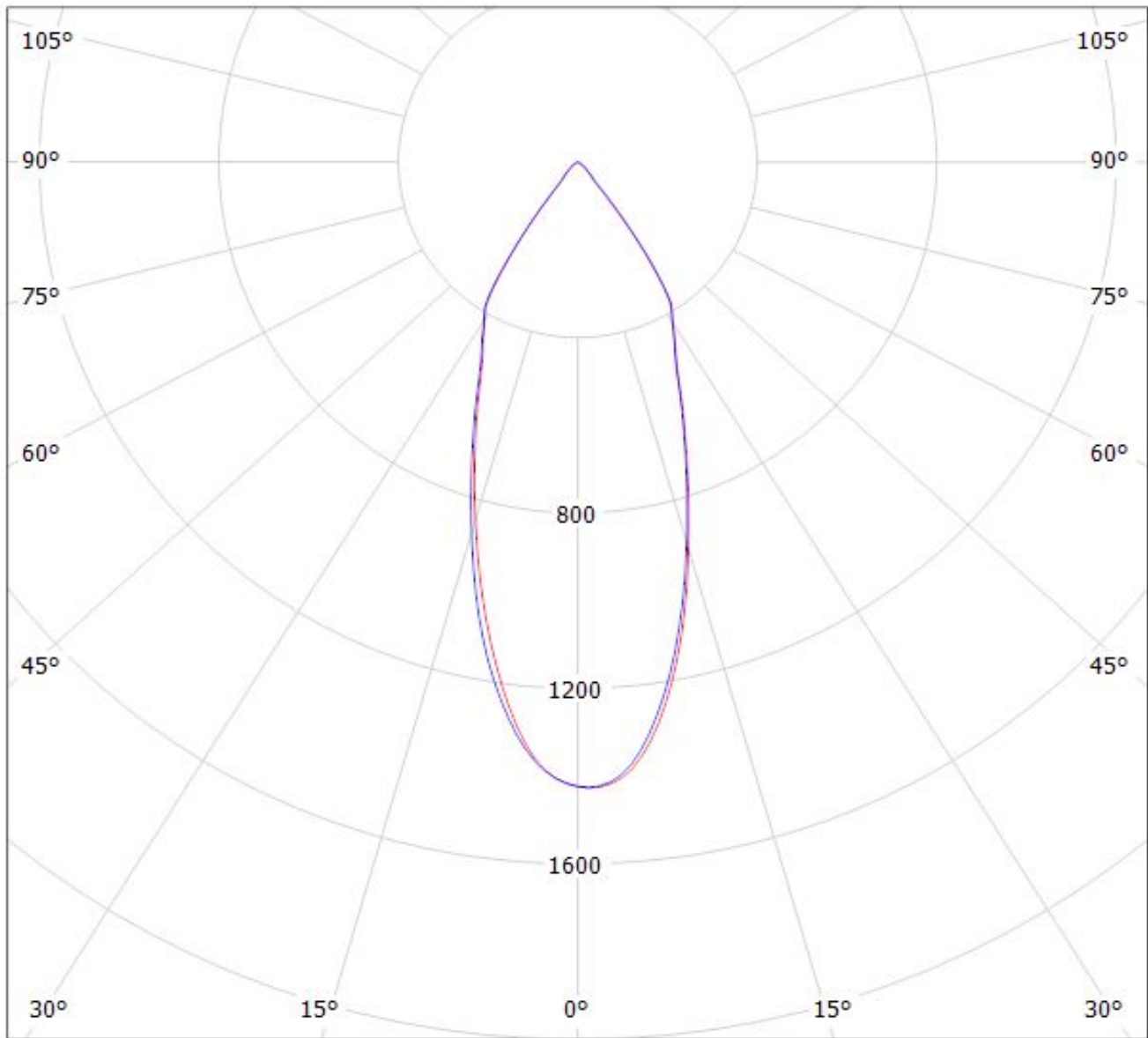
Luminaire: LEDil Oy FCN13573_ANGELA-W_(Luxeon_S5000) Efficiency=85%
Lamps: 1 x Philips Luxeon S5000 (LXS8-PW30-041) 993lm @ 100mA P=11.1W I=100mA



cd/klm
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy FCN13704_ANGELA-W_(CoB_1211)_ (431_Typ_L3)

Lamps: 1 x Luxeon_CoB_1211_(LHC1-5780-1211)_ (431_Typ_L3)_ (C13867)_897.994lm@250mA_P=8W_I=0.25A



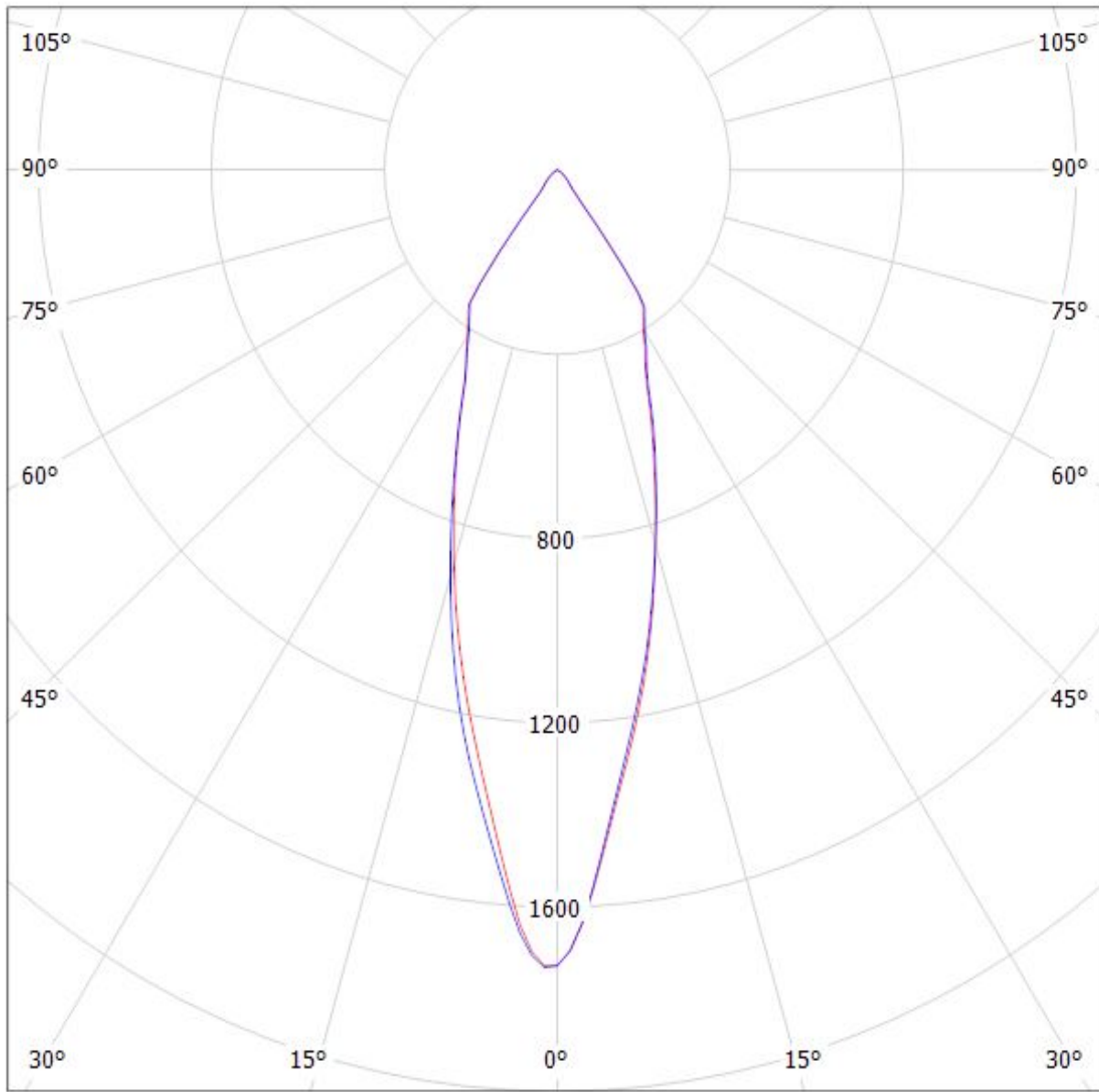
cd/klm

$\eta = 83\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy FCN13707_ANGELA-W_(LUXEON_CoB_1203)_ (438_Typ_L1)_ (C13658_CLAMP-VERO13-18)
Lamps: 1 x LUXEON_CoB_1203_(438_Typ_L1)_ (C13658_CLAMP-VERO13-18)_984.561lm@250mA_P=8.6828W_η=0.25A

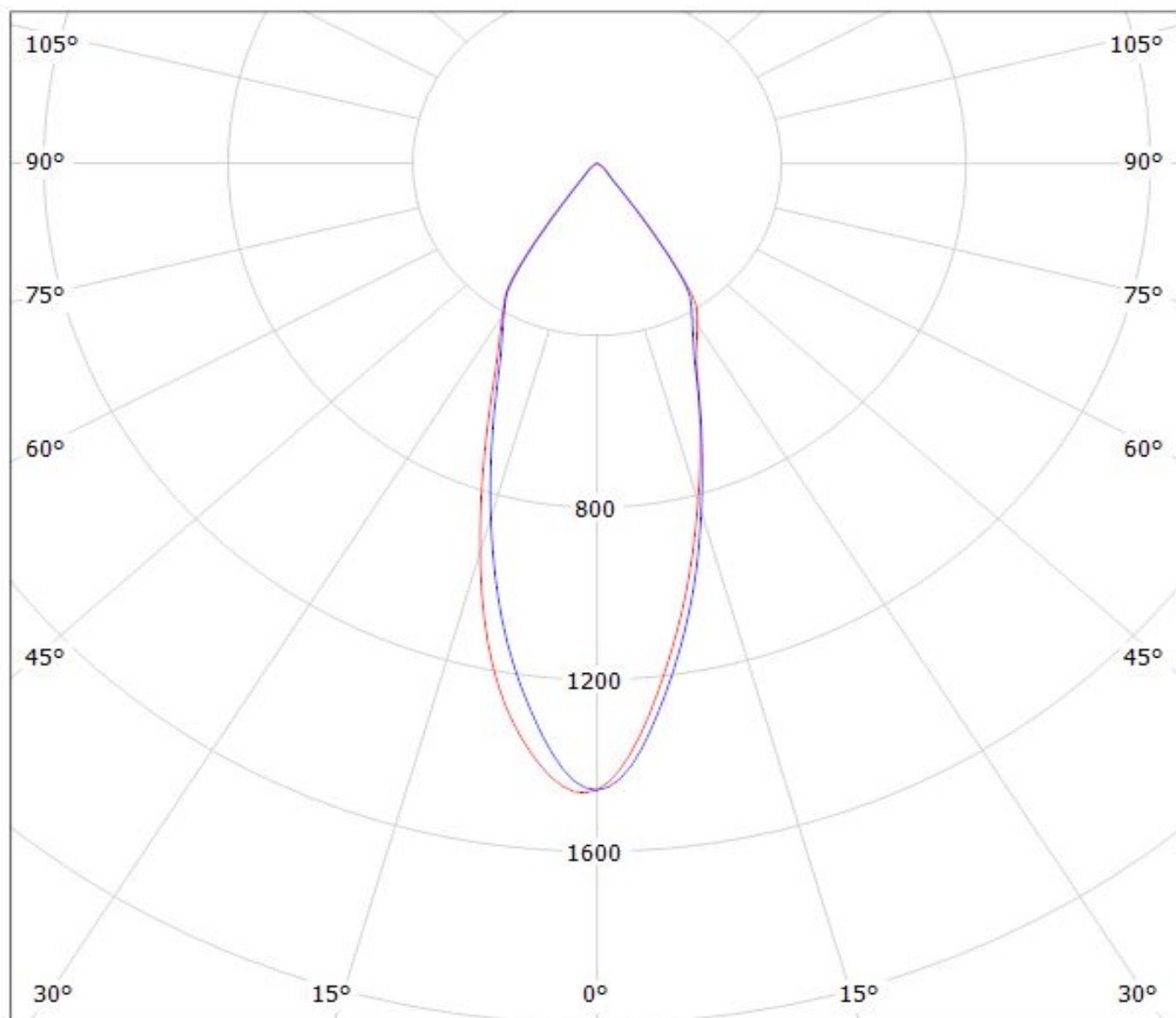


cd/klm

— C0 - C180 — C90 - C270

η = 83%

Luminaire: LEDiL Oy FC13993_ANGELA-RZ-W_(K12) Eff.82.4%
Lamps: 1 x Luxeon_K12_921.144lm@250mA_P=8.19669W_I=249.8mA

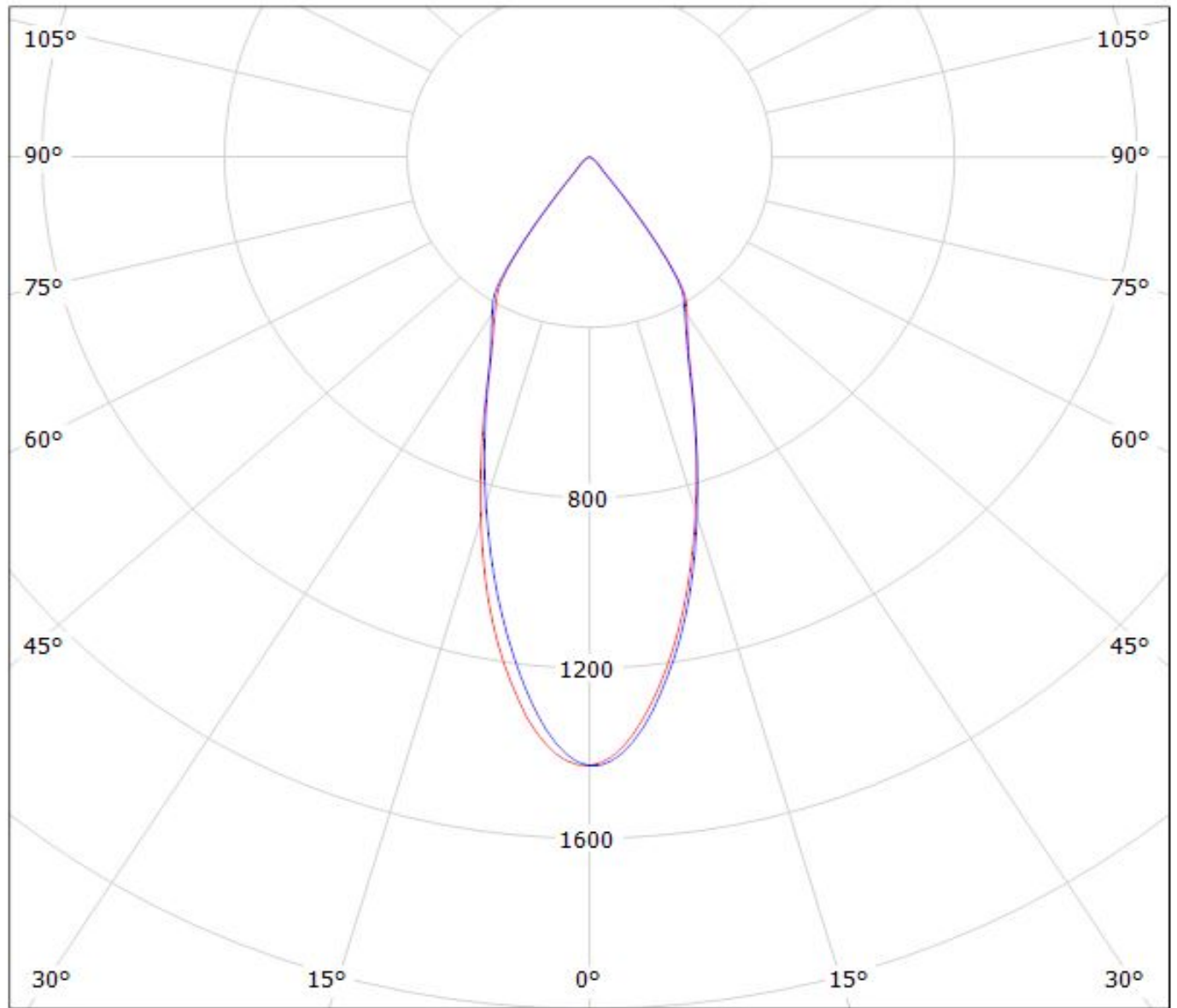


cd/klm

— C0 - C180 — C90 - C270

$\eta = 82\%$

Luminaire: LEDiL Oy FC13993_ANGELA-RZ-W_(K16) Eff.82.9%
Lamps: 1 x Luxeon_K16_1219.79lm@250mA_P=10.8763W_I=249.8mA



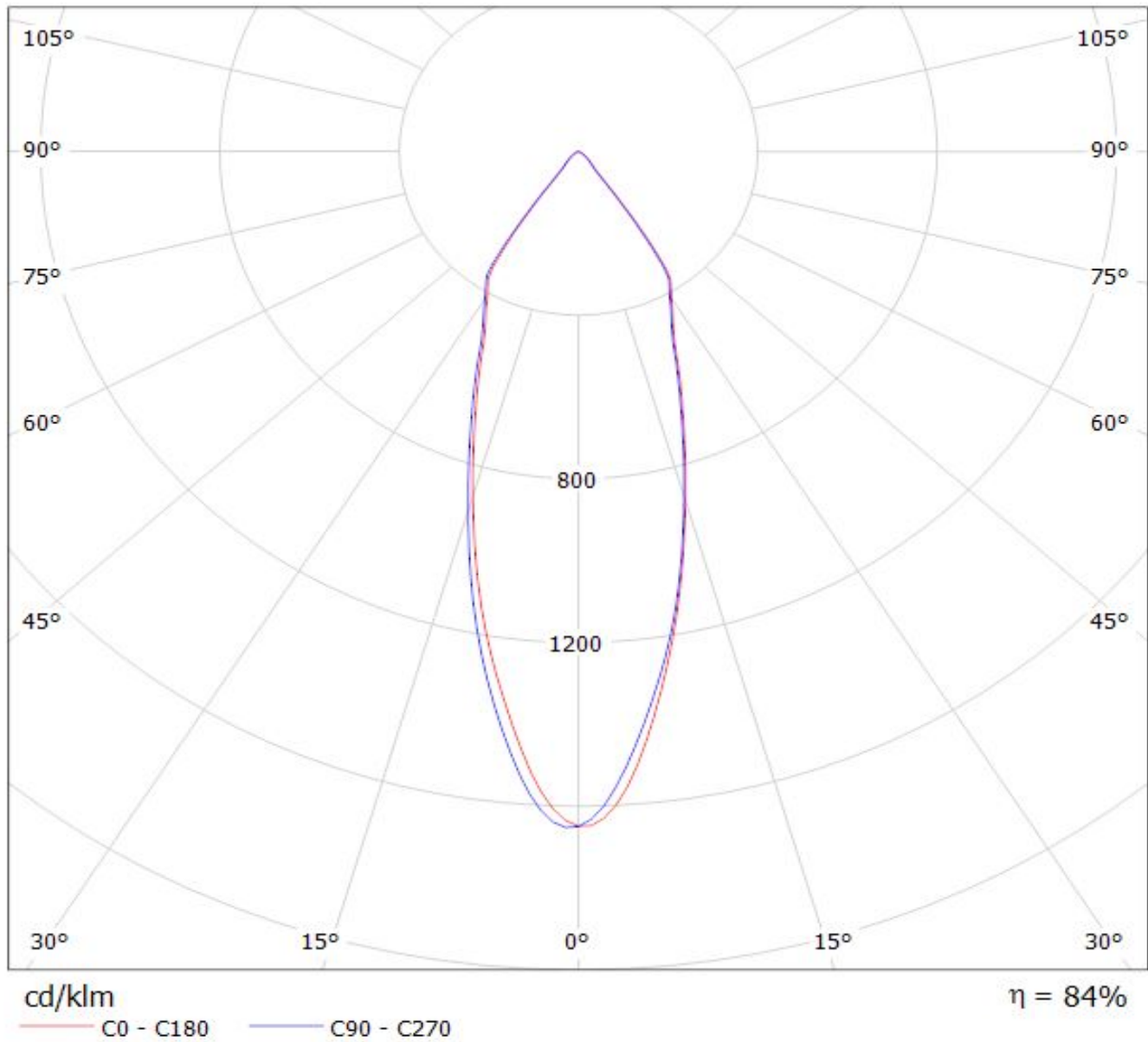
cd/klm

— C0 - C180 — C90 - C270

$\eta = 83\%$

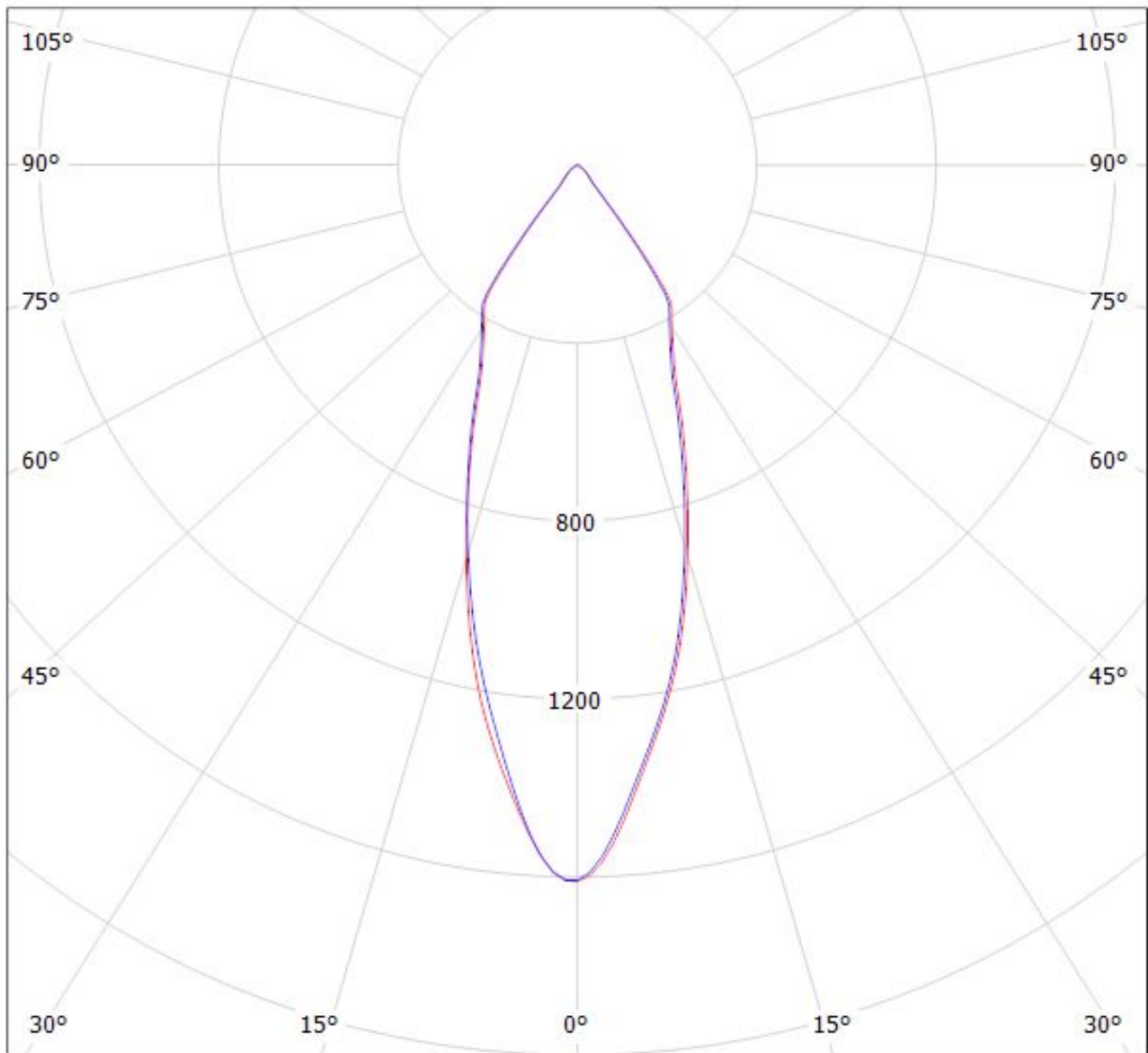
Luminaire: LEDiL Oy F13381_ANGELA-W_(CXM-14)

Lamps: 1 x LUMINUS_CXM-14_1114.36lm@250mA_P=8.36106W_I=249.8mA



Luminaire: LEDiL Oy F13381_ANGELA-W_(NSBxL121A)

Lamps: 1 x Nichia_NSBxL121A_914.478lm@250mA_P=7.56872W_I=249.9mA



cd/klm

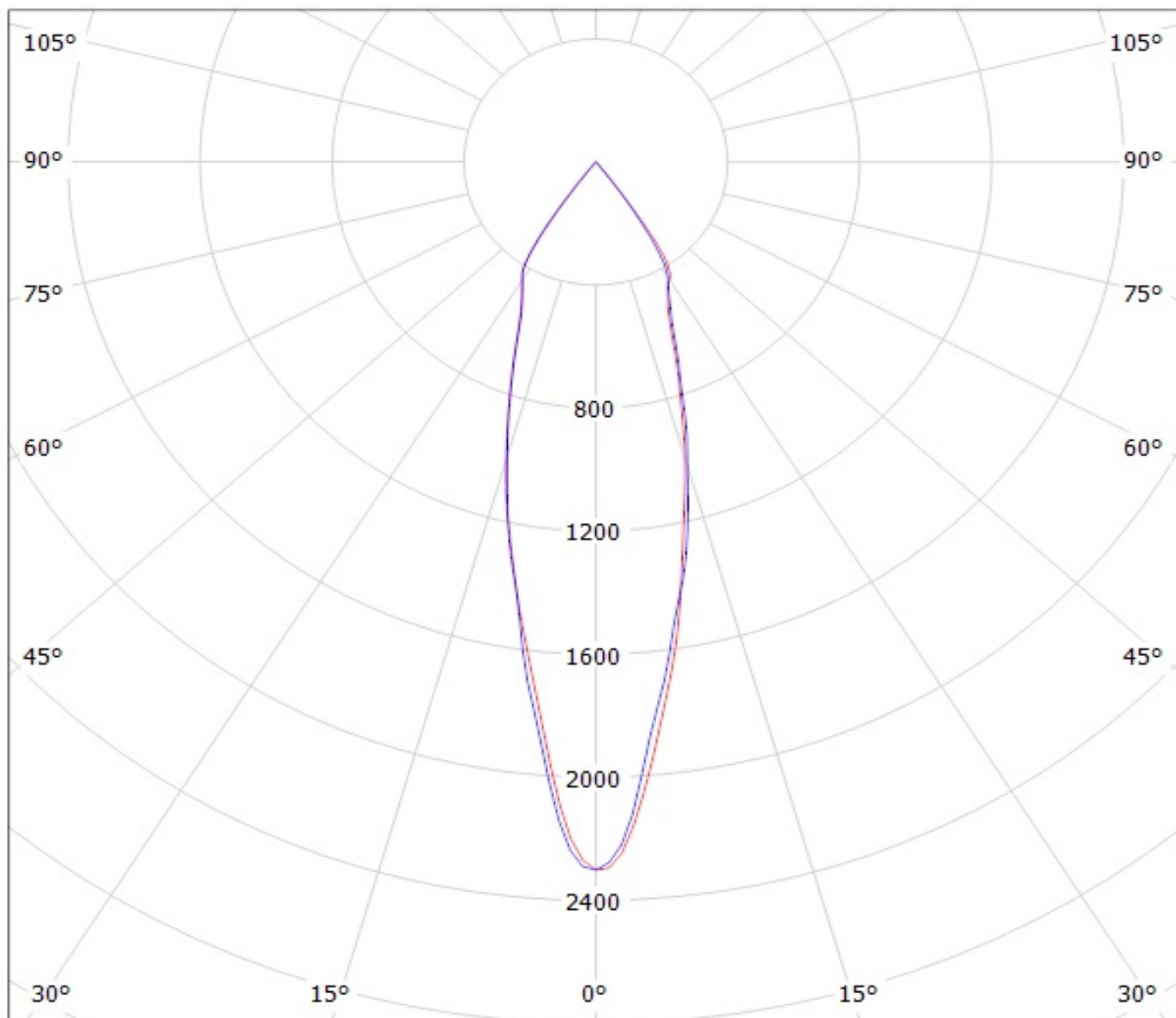
— C0 - C180

— C90 - C270

$\eta = 85\%$

Luminaire: LEDil Oy F13381_ANGELA-W_(NFCxL060B)

Lamps: 1 x Nichia NFCxL060B (SM403G2450R8000) 1250.88lm @ 250mA P=8.4W I=250mA



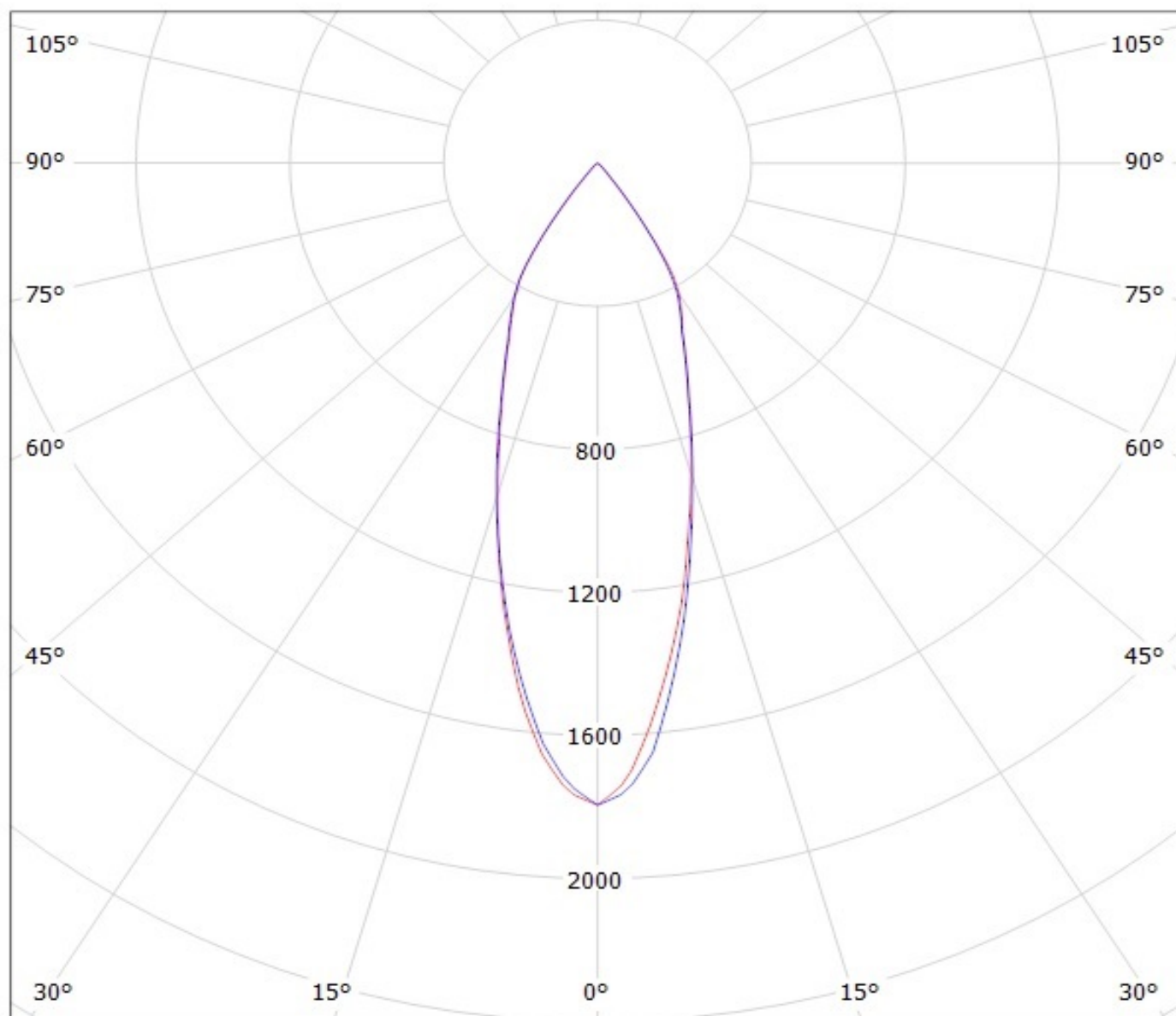
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDil Oy F13381_ANGELA-W_(NFDxJ130B)

Lamps: 1 x Nichia NFDxJ130B (SM403G6450R8000) 1410.46lm @ 250mA P=8.9W I=250mA



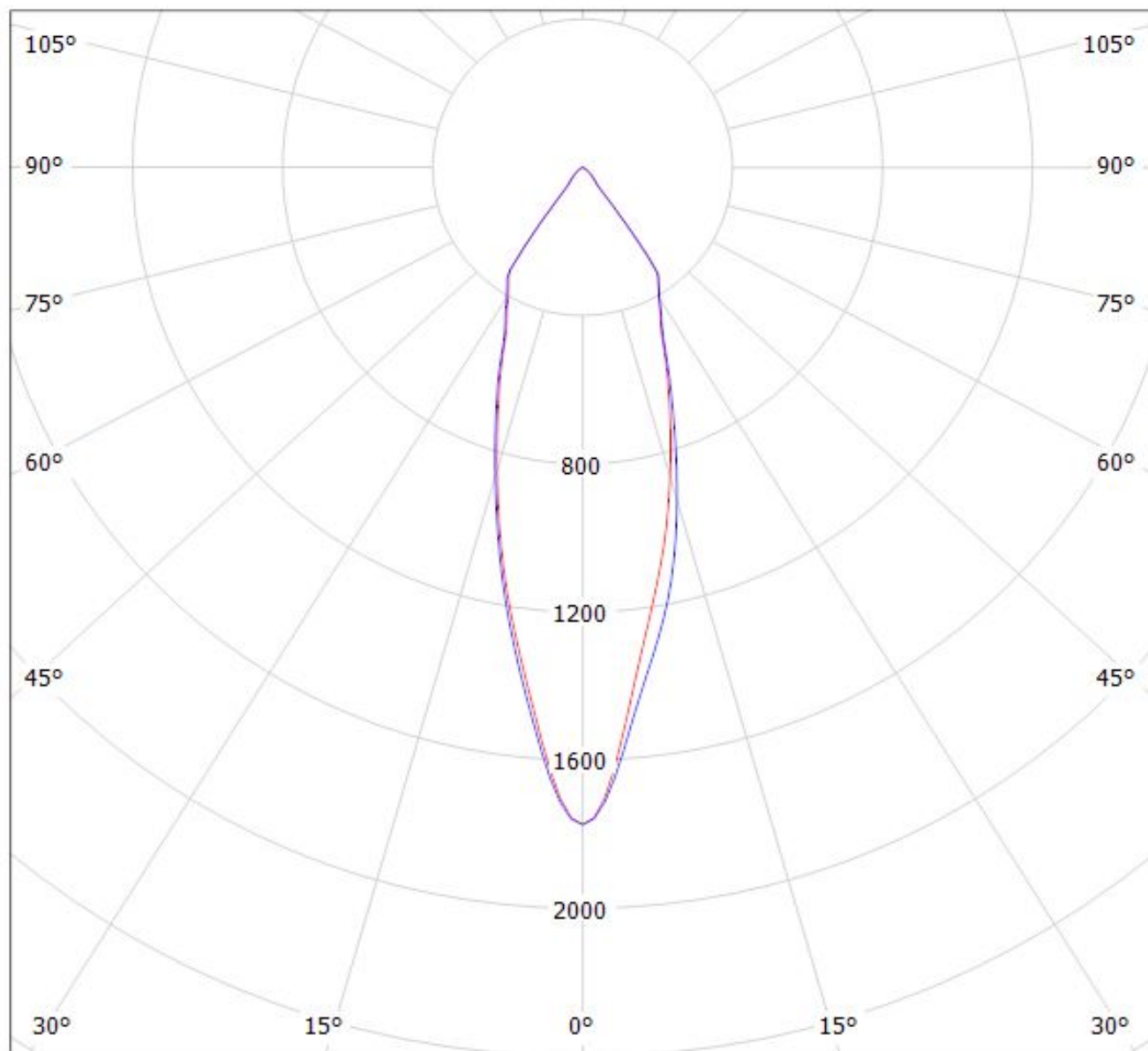
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy FCN13707_ANGELA-W_(NFCLL036B)

Lamps: 1 x Nichia NFCLL036B (sm403J1300R8000)_541.131lm@100mA_CCT=4000K_P=3.34324W_I=0.100A

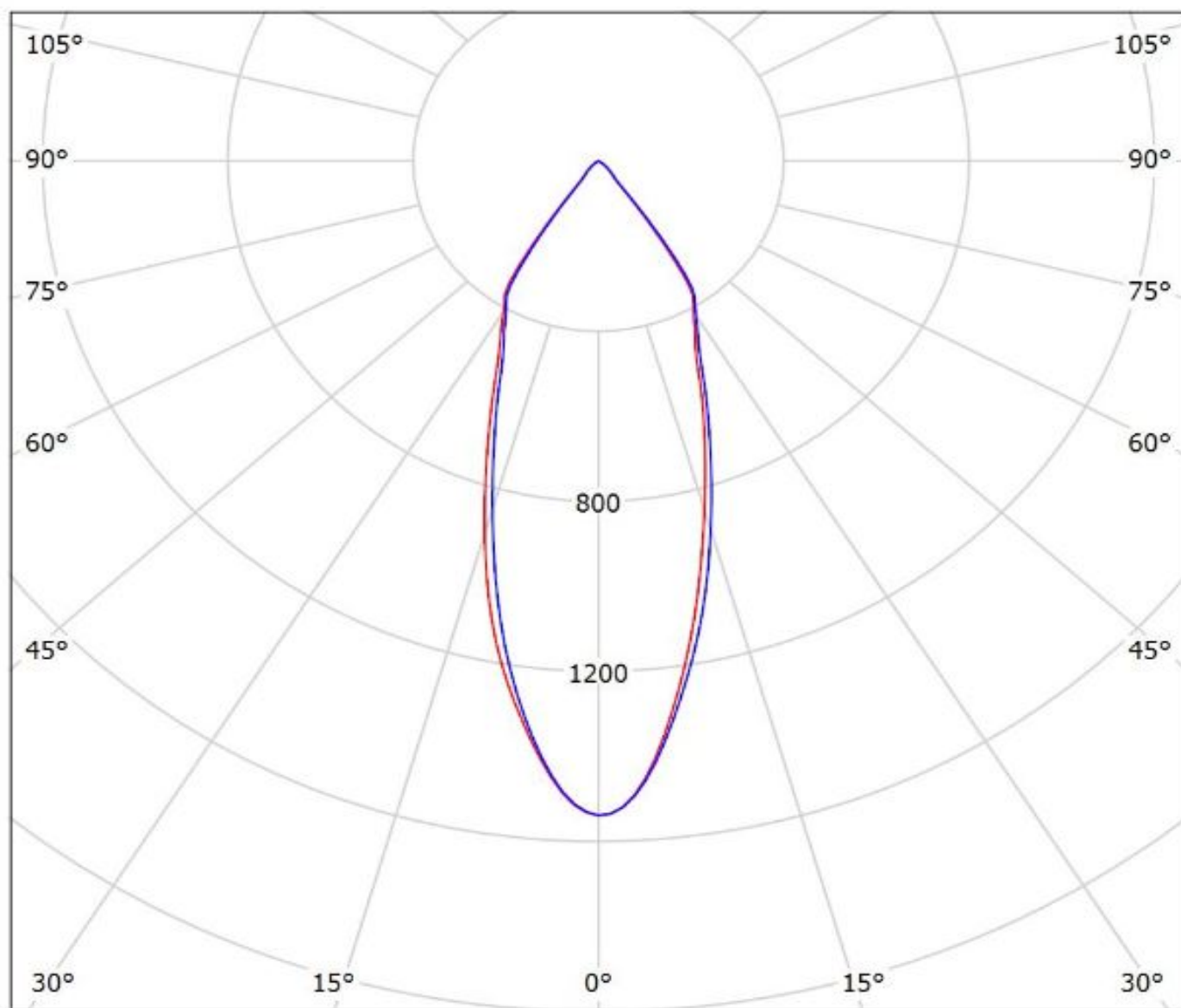


cd/klm

$\eta = 84\%$

— C0 - C180 — C90 - C270

Luminaire: Ledil FCN13707_ANGELA-W_(NFDxJ130B)
Lamps: 1 x Nichia_NFDxJ130B_(463 Typ L2)_C13658_CLAMP-
VERO13_1504.8lm@250mA_P=8.27W_I=0.25A



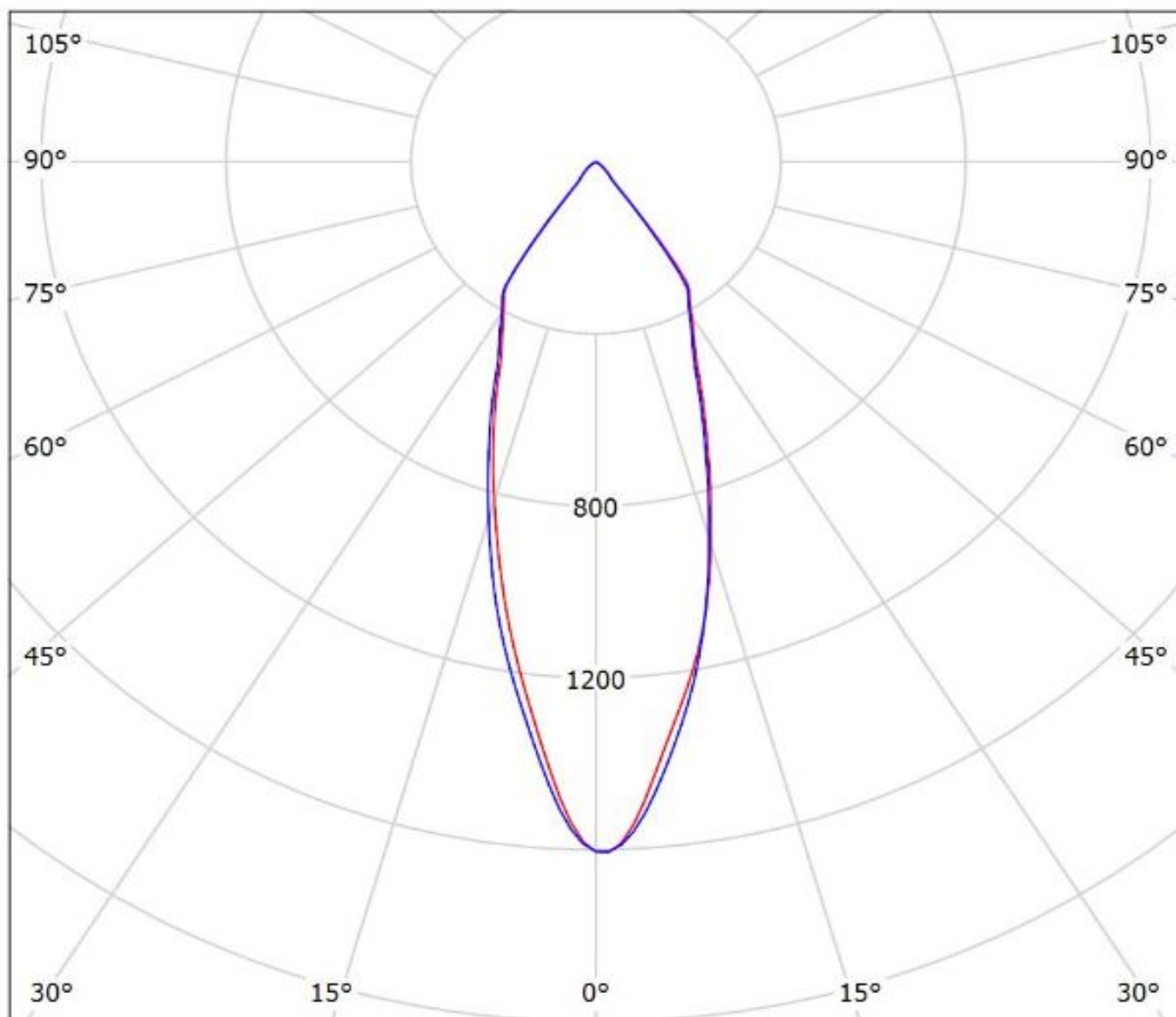
cd/klm

— C0 - C180 — C90 - C270

$\eta = 82\%$

Luminaire: Ledil FCN13707_ANGELA-W_(NFCLL060B)

Lamps: 1 x Nichia_NFCLL060B_(438_TYP_L1)_C13658_1356.65lm@250mA_P=8.375W_I=0.25A

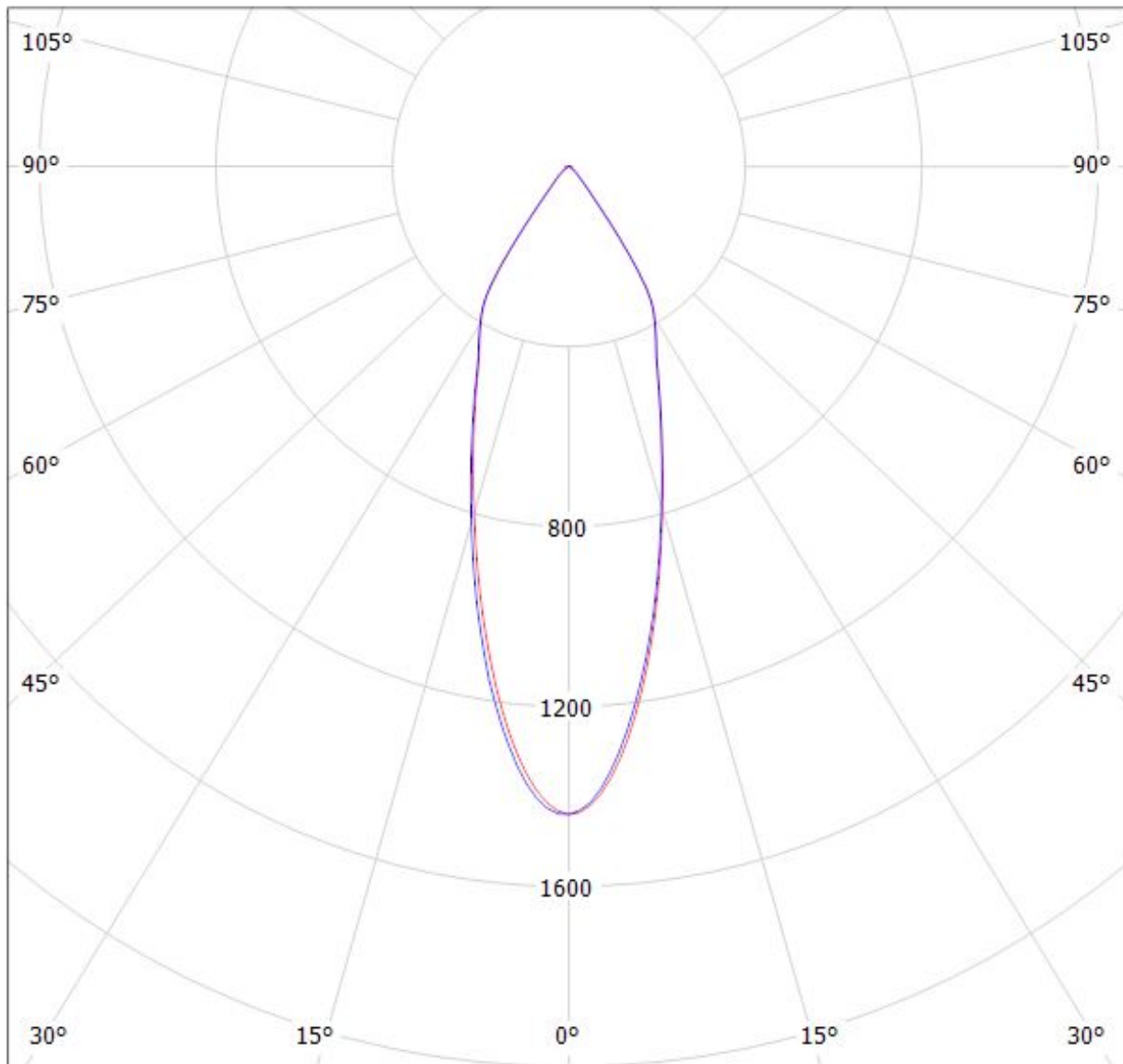


cd/klm
— C0 - C180 — C90 - C270

$\eta = 82\%$

Luminaire: LEDiL Oy FC13993_ANGELA-RZ-W_(NFDLJ130B+IDEAL)

Lamps: 1 x Nichia_NFDLJ130B_+50-2103NC_+50-2100AN_1422.52lm@250mA_CCT=4000K_P=8.91686W_I=0.25A



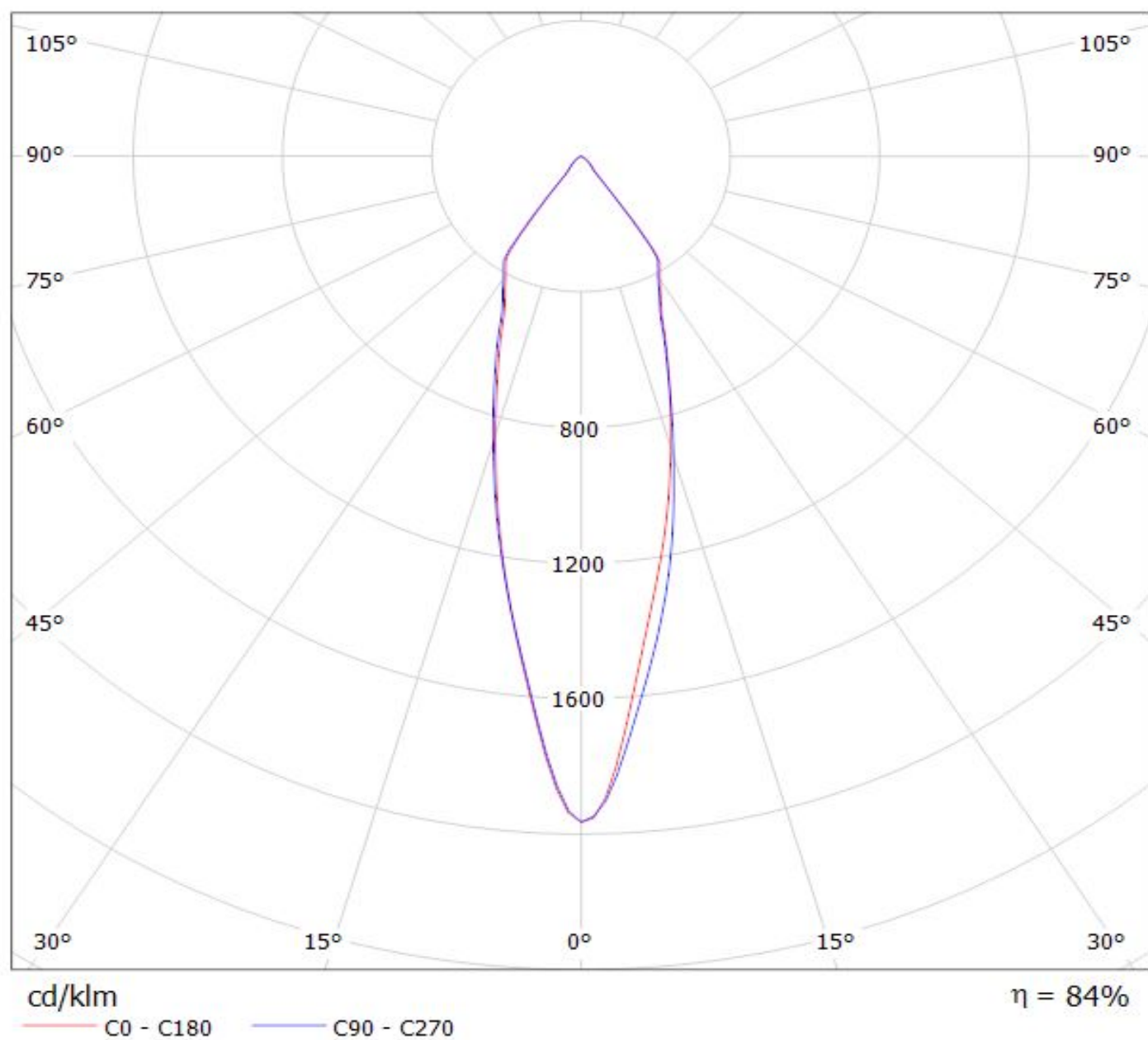
cd/klm

— C0 - C180

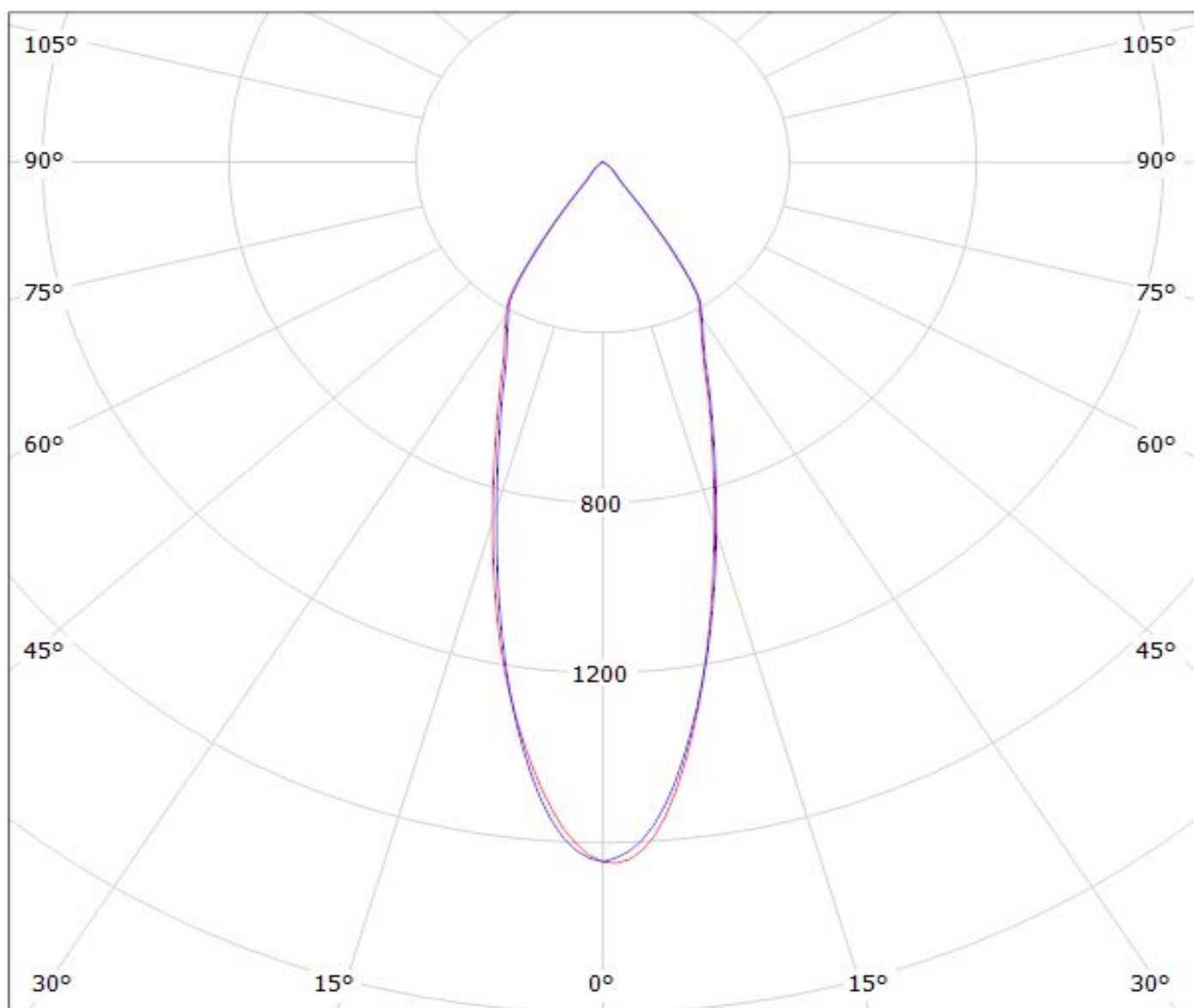
— C90 - C270

$\eta = 79\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(PrevaLED_LES9)
Lamps: 1 x Osram_PrevaLED_Core_Z3_LES9_(PL-CORE-1100-830-Z3)
_1132.95lm@250mA_P=12.1952W_I=249.8mA



Luminaire: LEDiL Oy F13381_ANGELA-W_(PrevaLED_LES19)
Lamps: 1 x Osram_PrevaLED_CORE_Z3_LES19_(PL-CORE-2000-830-Z3)
_1356.73lm@250mA_P=10.5228W_I=249.9mA



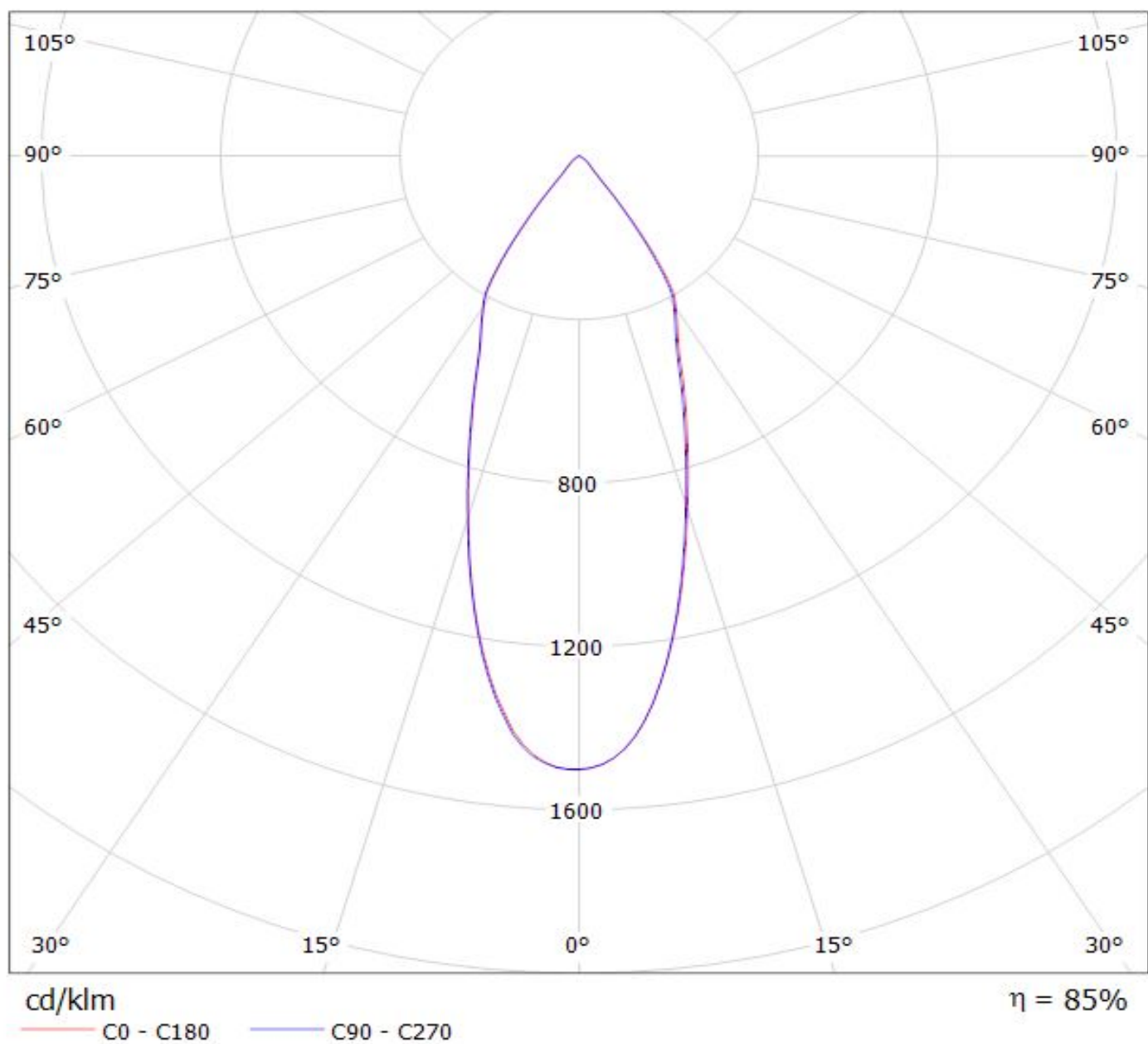
cd/klm

— C0 - C180

— C90 - C270

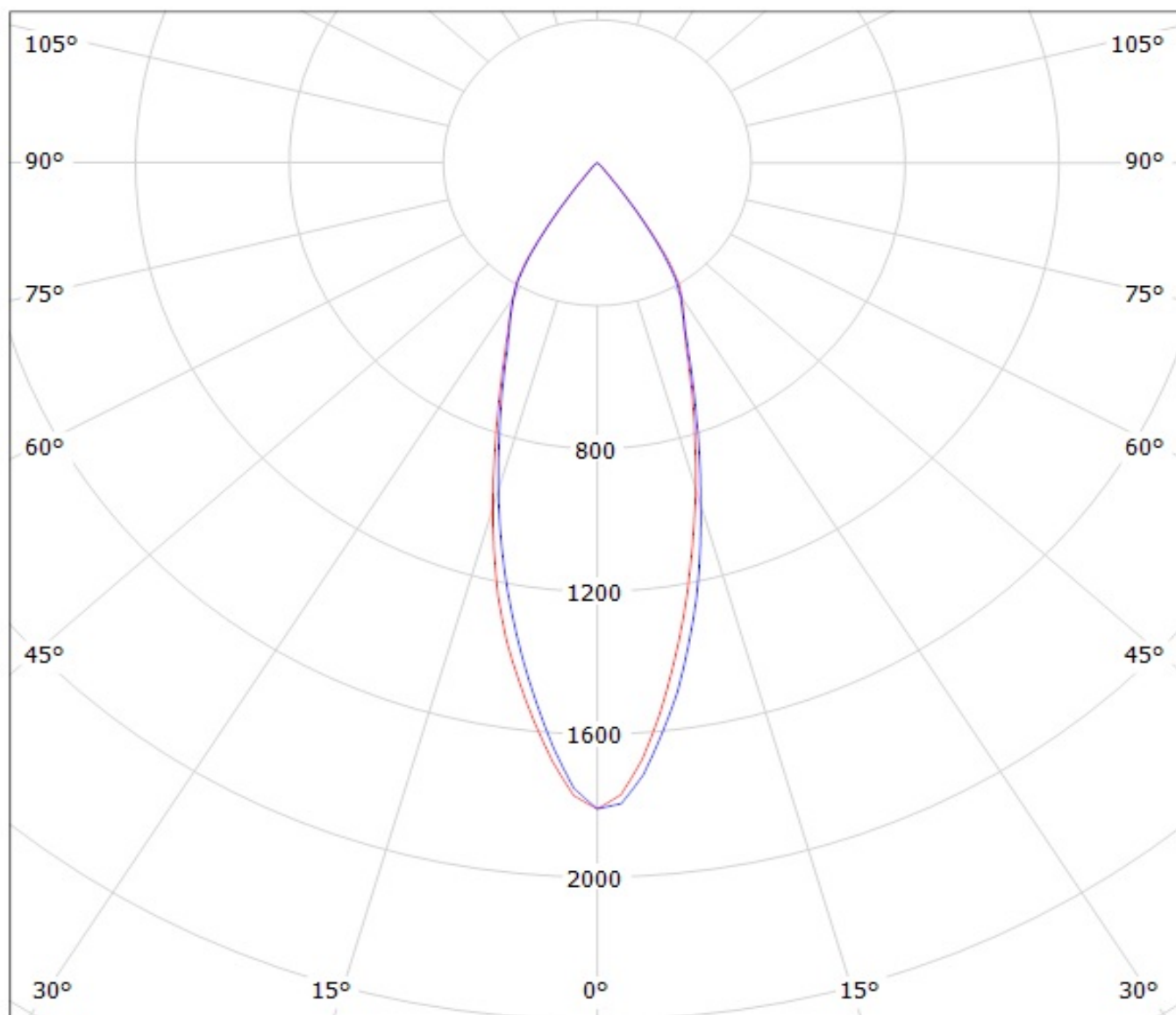
$\eta = 83\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(PrevaLED_LES23)
Lamps: 1 x Osram_PrevaLED_Core_Z3_LES23_(PL-CORE-5000-930-Z3)
_1130.05lm@250mA_P=10.0097W_I=249.9mA



Luminaire: LEDil Oy F13381_ANGELA-W_(Soleriq_S13) Efficiency=85%

Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 855lm @ 250mA CCT=3100K P=7.5W I=250mA



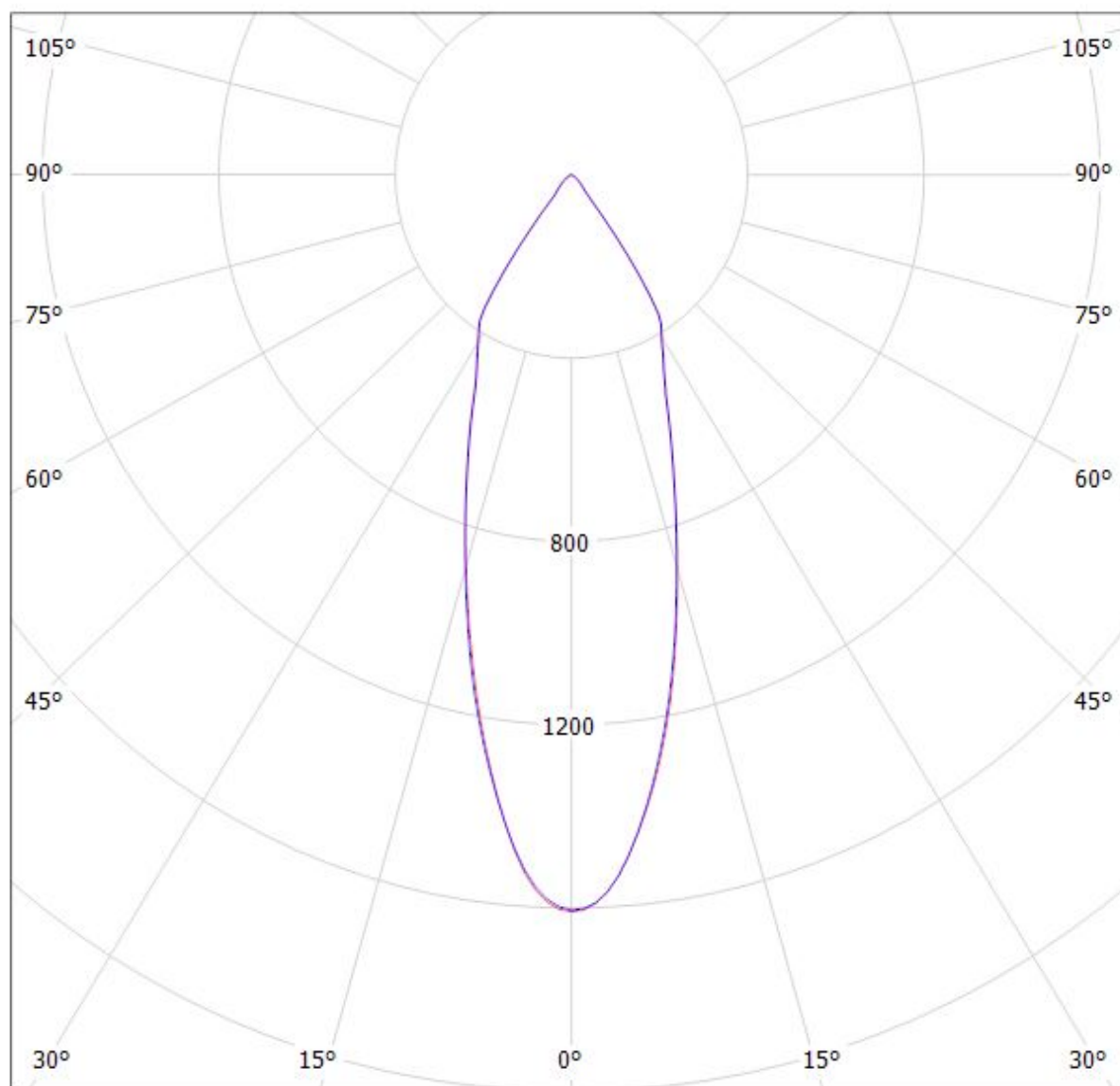
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13381_ANGELA-W_(SOLERIQ_S19_&_TE_2213407-2)

Lamps: 1 x OSRAM_SOLERIQ_S19_(GW_KAHJB1.EM)_1385.15lm@250mA_CCT=3000K_P=10.5613W_I=249.8mA



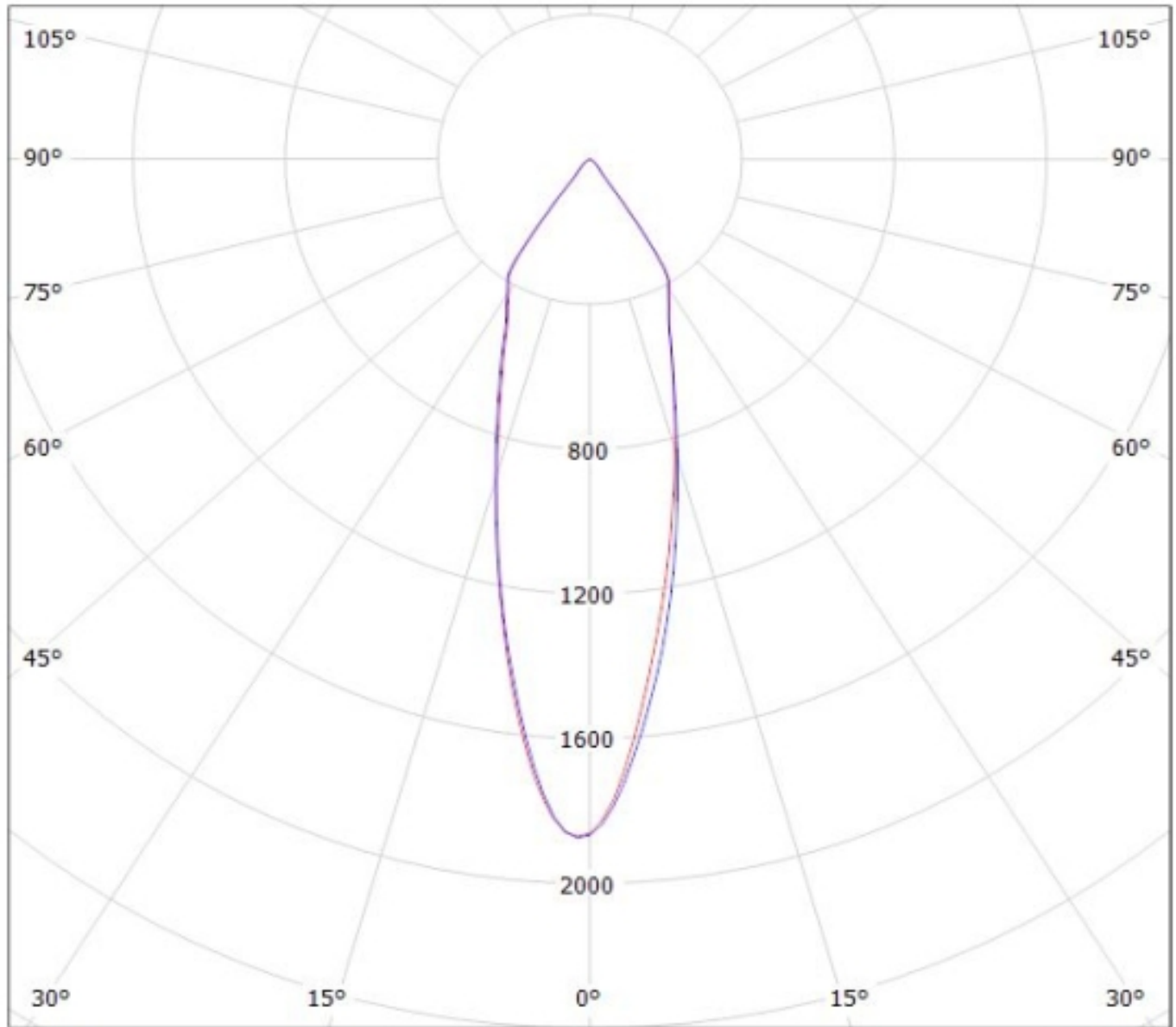
cd/klm

$\eta = 84\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13381_ANGELA-W_(LEP-800-827-C-AC)

Lamps: 1 x OSRAM PrevaLED Core AC (LEP-800-827-C-AC) 910lm@60mA U:230V P:14W



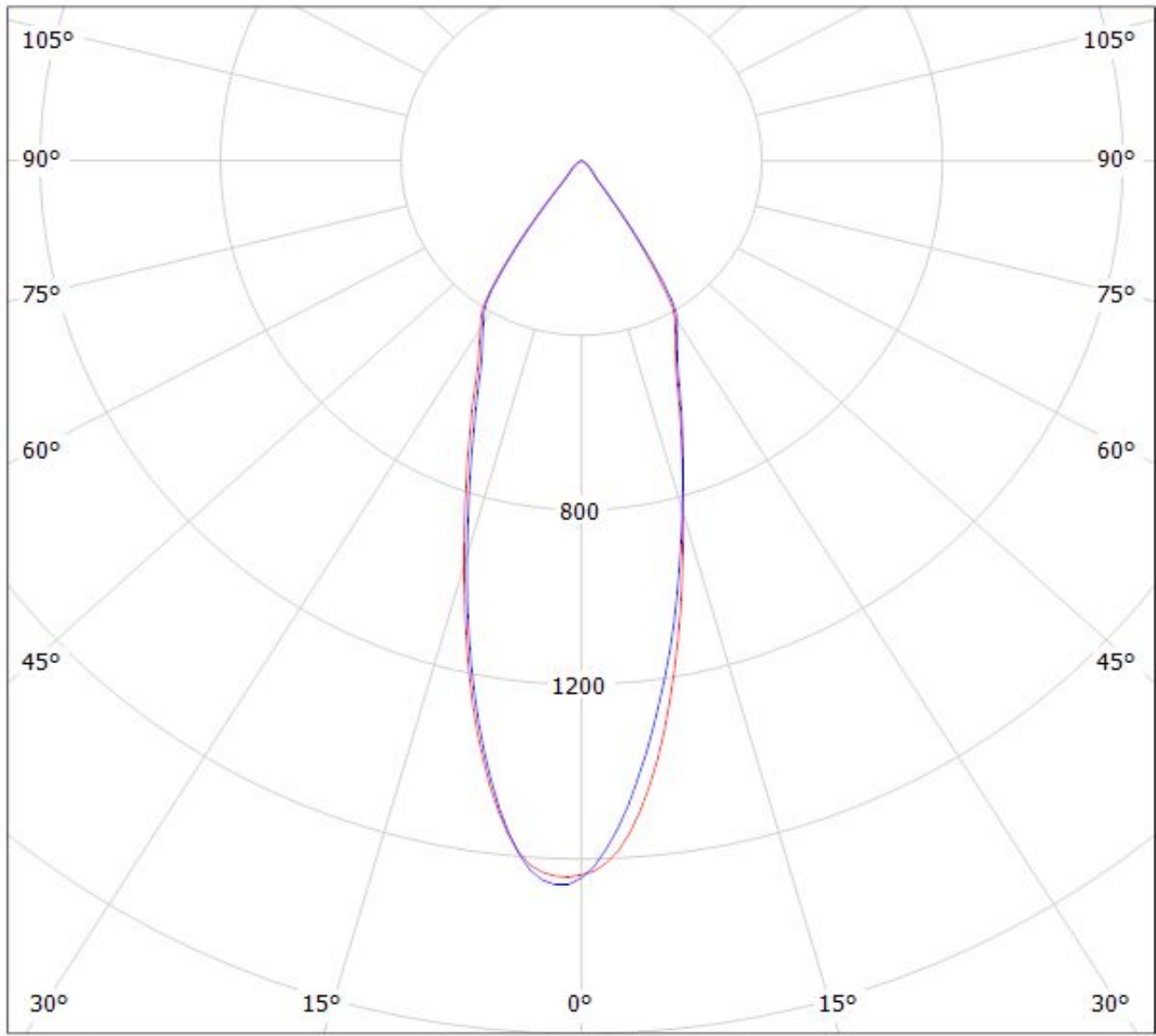
cd/klm

— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(LEP-2000-827-C-AC)
Lamps: 1 x OSRAM PrevaLED Core AC (LEP-2000-827-C-AC)

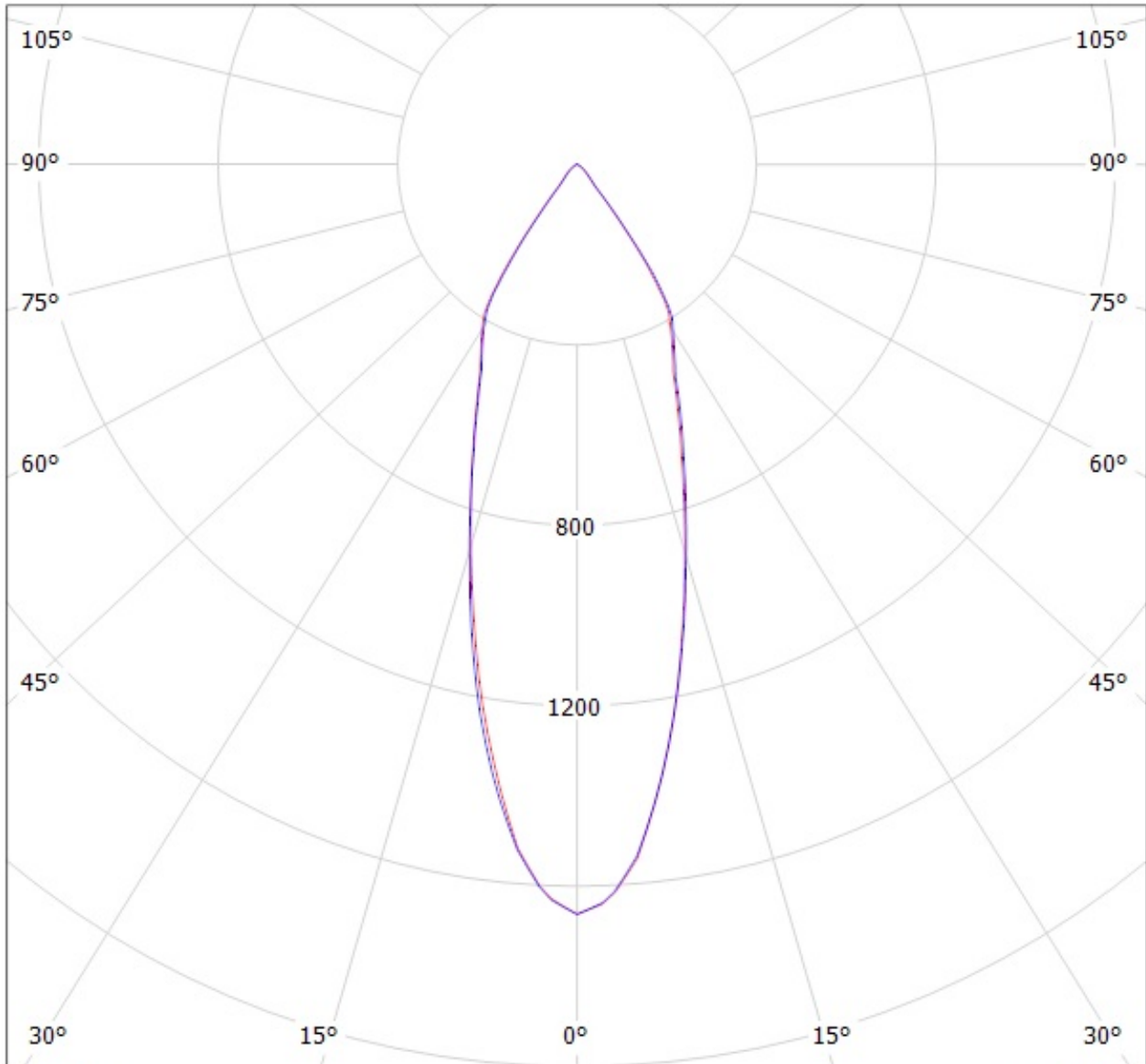


cd/klm
— C0 - C180 — C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(PrevaLED_Z4)Eff 84%

Lamps: 1 x Osram_PrevaLED_CORE_Z4_(PL-CORE-3000-830-Z4)_1423.93lm@250mA_P=10.7652W_I=249.9mA



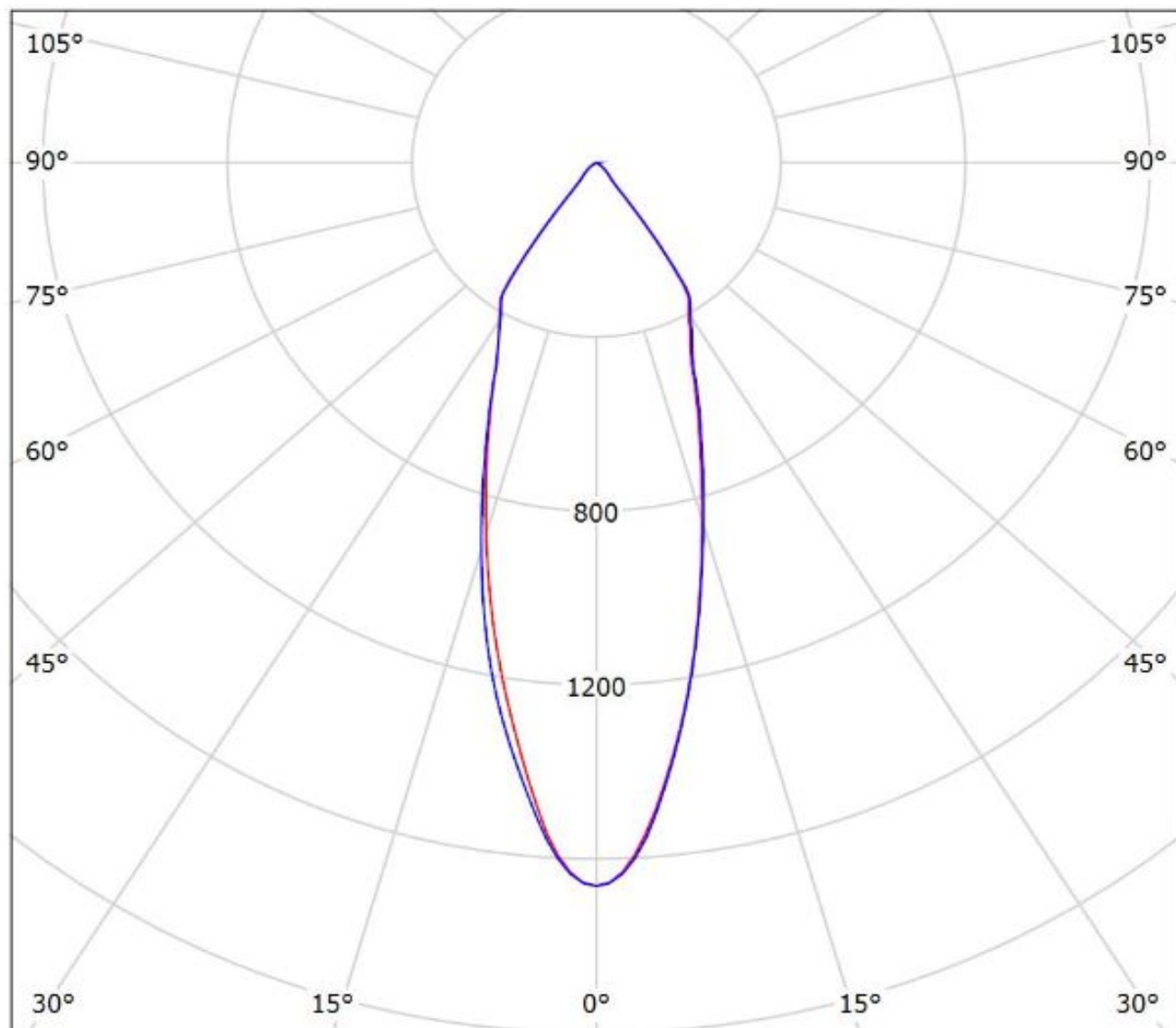
cd/klm

$\eta = 84\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13381_ANGELA-W_(SOLERIQ_P13)

Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_1038.25lm@250mA_CCT=3000K_P=8.77223W_I=249.8mA



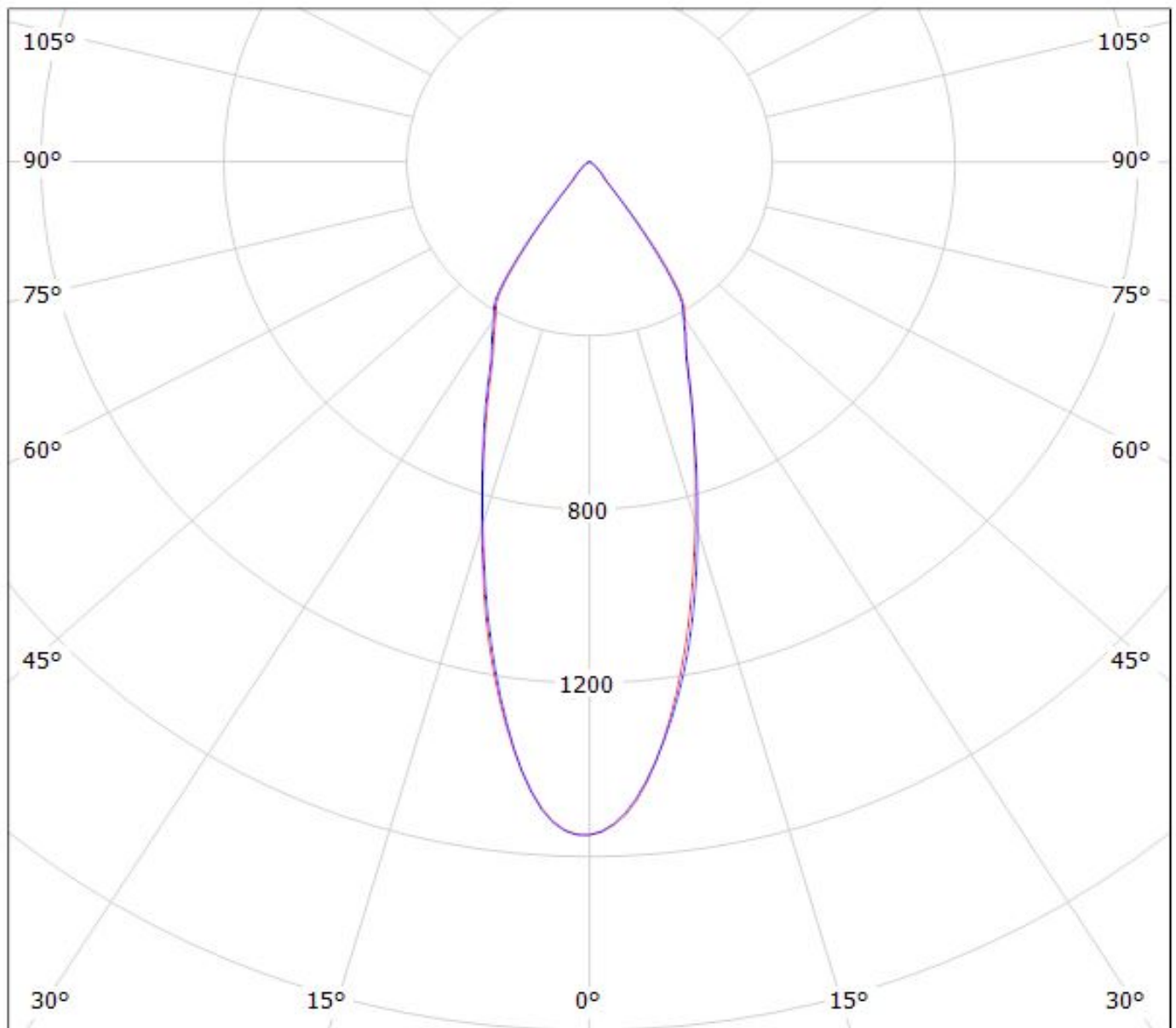
cd/klm

— C0 - C180 — C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy FCN13704_ANGELA-W_(Soleriq_S19)_462_Typ_L3

Lamps: 1 x Osram_Soleriq_S19_(GW_KAHJB1.EM)_1497.37lm@250mA_P=11.1223W_I=0.2532A



cd/klm

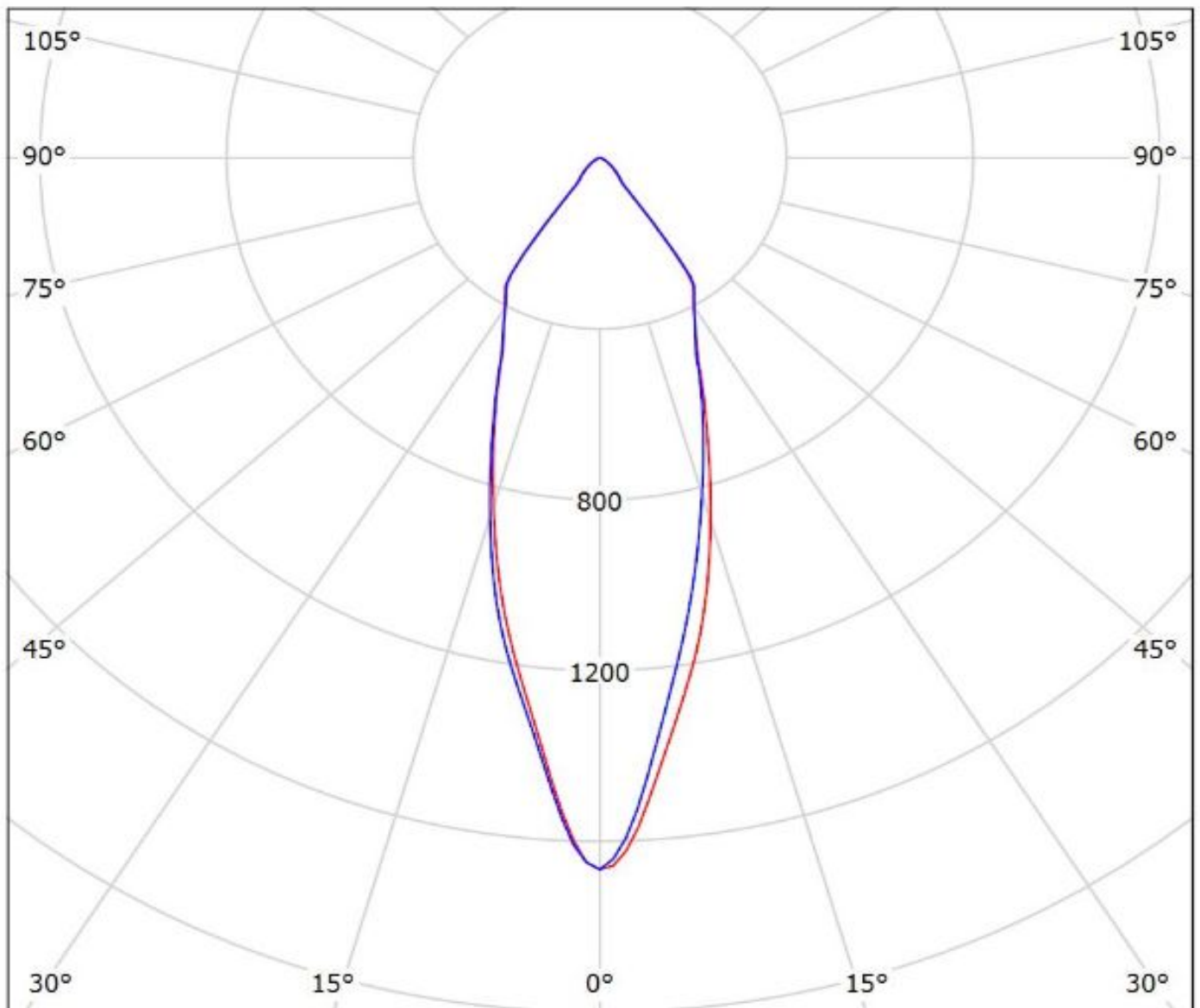
— C0 - C180

— C90 - C270

$\eta = 82\%$

Luminaire: Ledil FCN13707_ANGELA-W_(Soleriq_P9)

Lamps: 1 x Osram_Soleriq_P9_(GW_MAFJB1.EM)_972.417lm@250mA_CCT=4299K_P=6.9W_I=0.25A

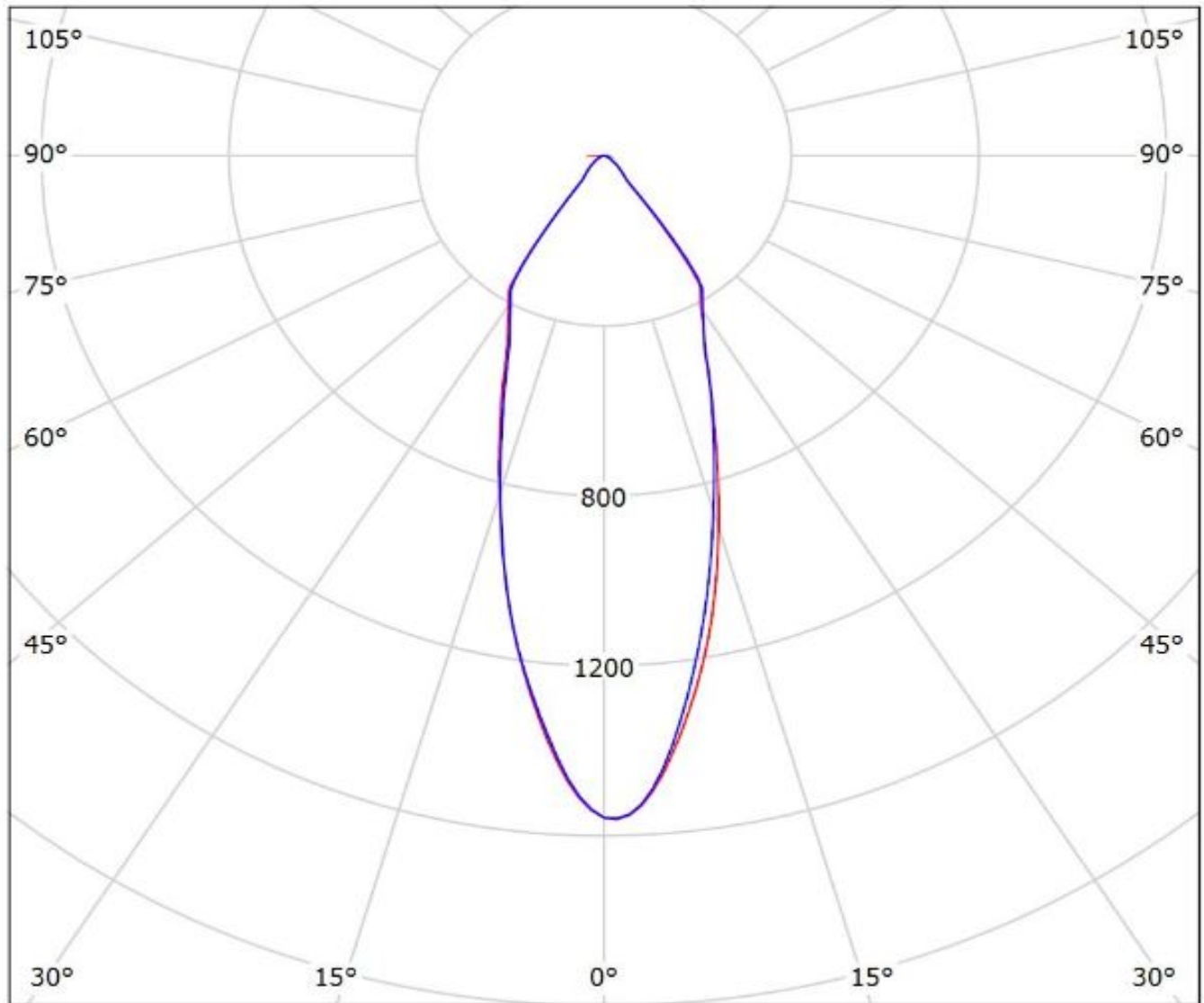


cd/klm

— C0 - C180 — C90 - C270

$\eta = 86\%$

Luminaire: Ledil FCN13707_ANGELA-W_(Soleriq_P13)
Lamps: 1 x Osman_Soleriq_P13_1009.11lm@250mA_P=6.9385W_I=0.25A



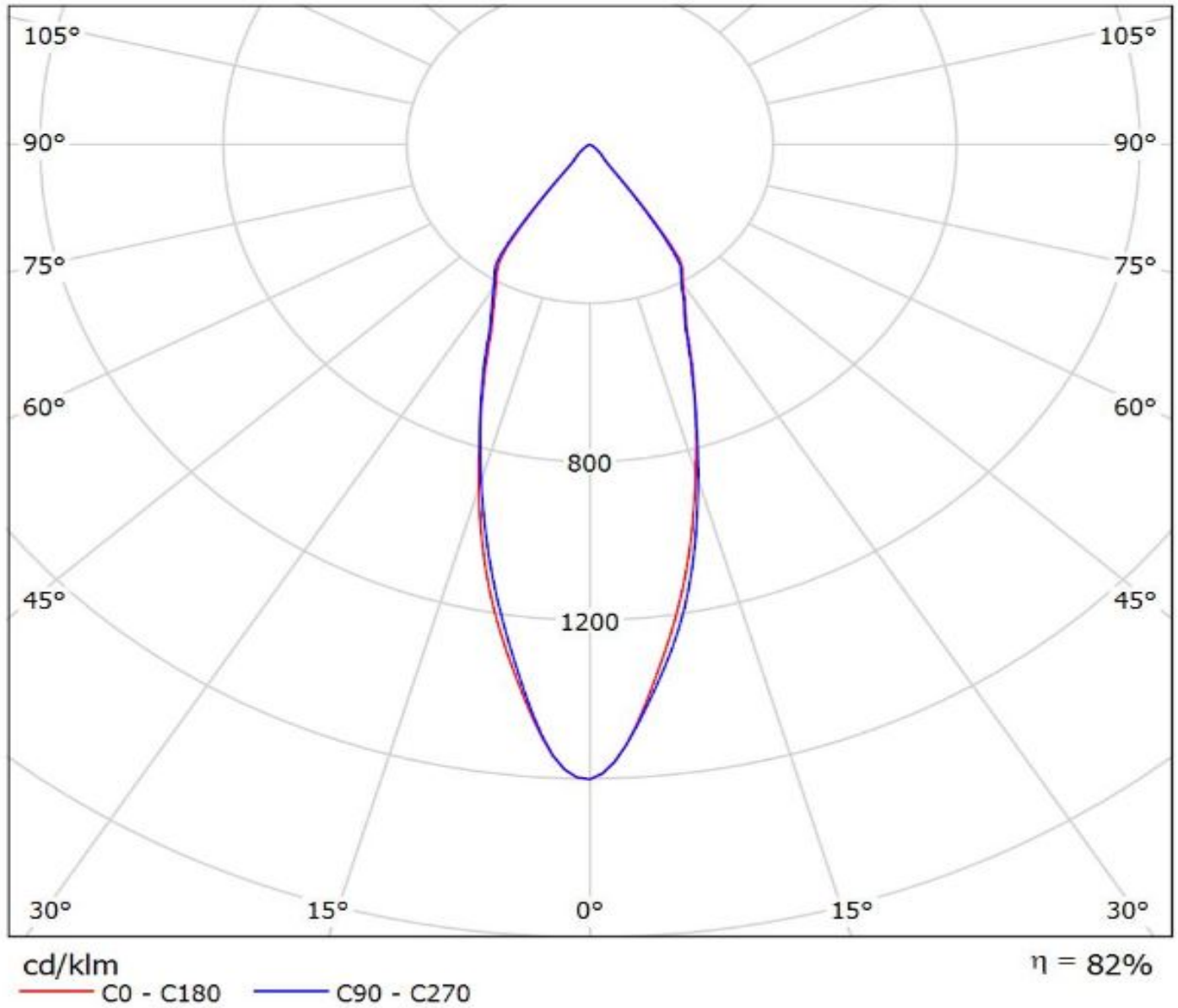
cd/klm
— C0 - C180 — C90 - C270

$\eta = 86\%$

Ledil FCN13707_ANGELA-W_(Soleriq_S13) / LDC (Polar)

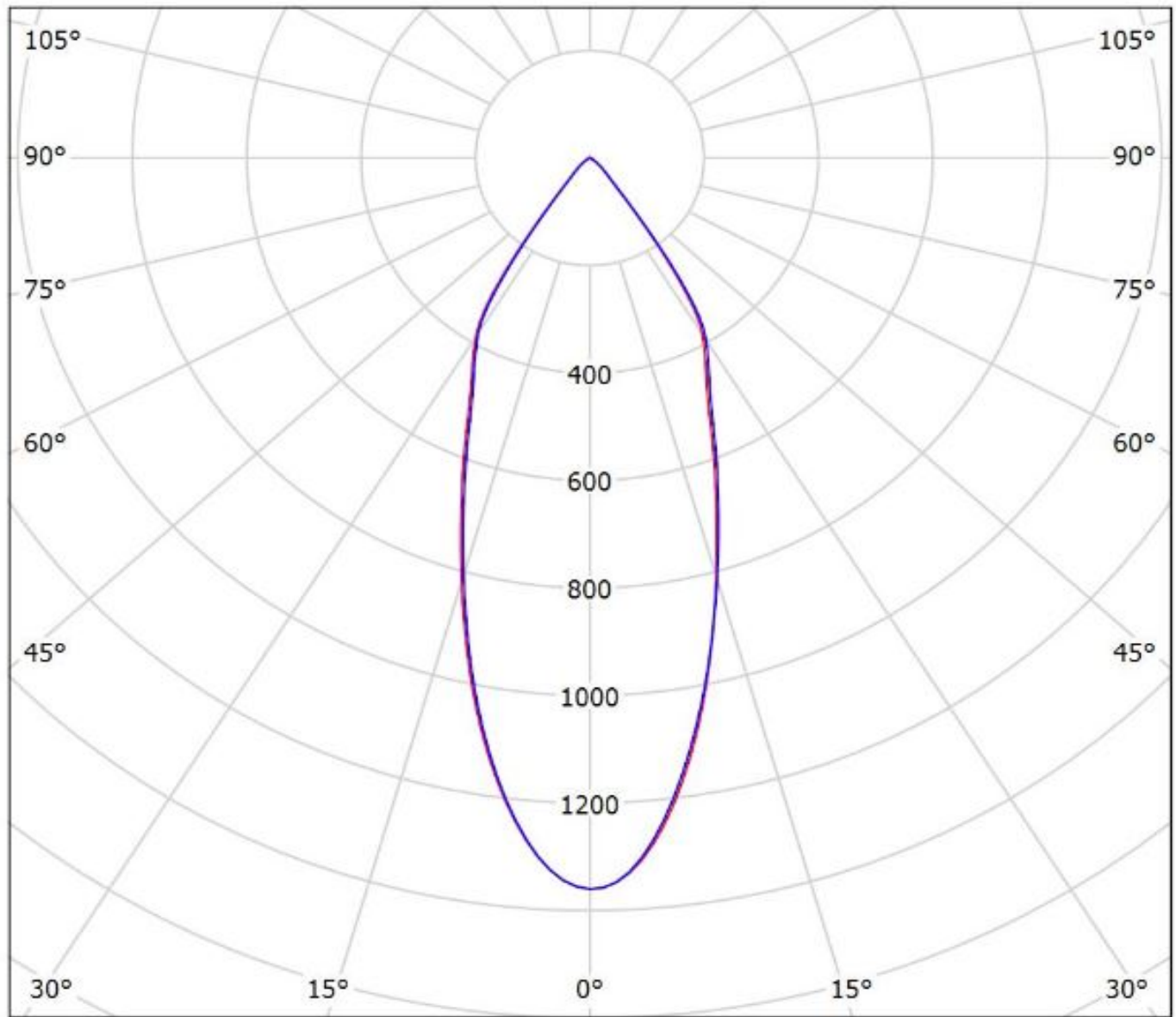
Luminaire: Ledil FCN13707_ANGELA-W_(Soleriq_S13)

Lamps: 1 x Osram_Soleriq_S13_(GW_KAGHB1.EM)_896.727lm@250mA_P=7.44679W_I=250mA



Luminaire: Ledil FC13993_ANGELA-RZ-W_(PREVALED_Core_Z4)

Lamps: 1 x PREVALED_Core_Z4_LES19_1470.62lm@250mA_P=10.828W_I=0.25A



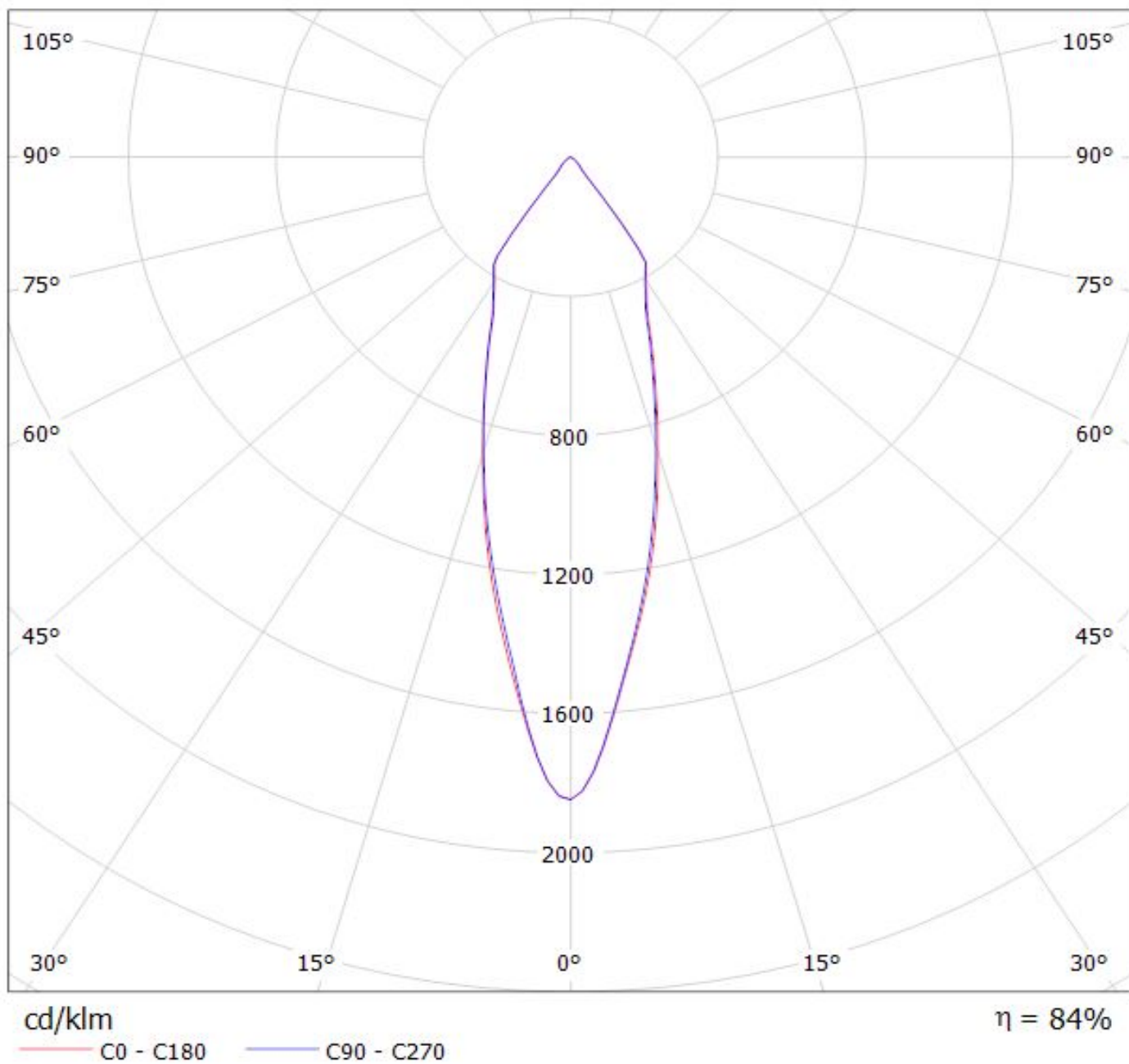
cd/klm

— C0 - C180

— C90 - C270

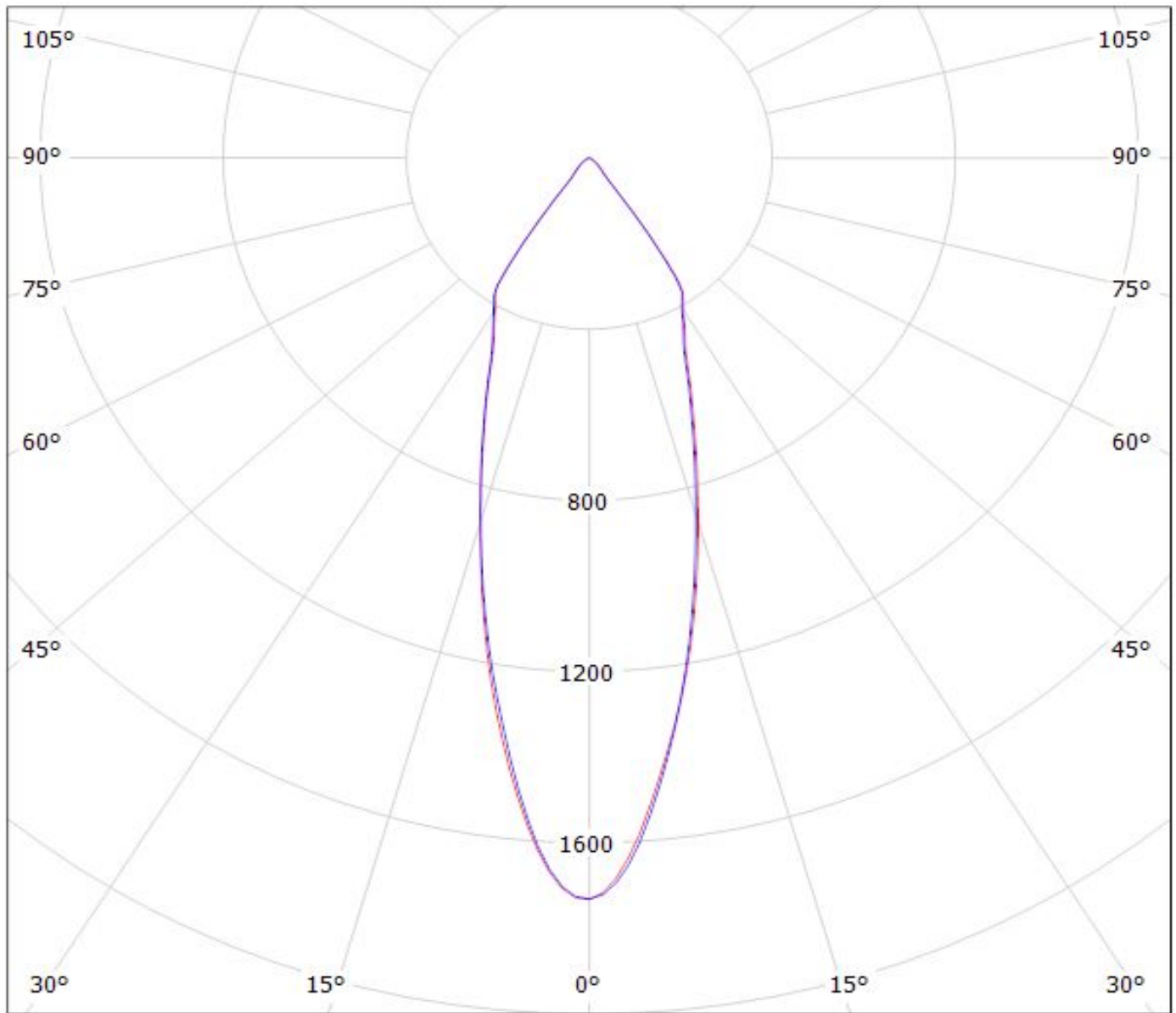
$\eta = 78\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(Fortimo LED SLM 1100 lm 830 L9 G4)
Lamps: 1 x Fortimo LED SLM 1100 lm 830 L9 G4_1021.27lm@250mA_P=9.2431W_I=0.2498A



Luminaire: LEDiL Oy F13381_ANGELA-W_(Fortimo LED SLM L13 G4)

Lamps: 1 x Fortimo LED SLM L13 G4_1030.19lm@250mA_P=8.38104W_I=0.2498A



cd/klm

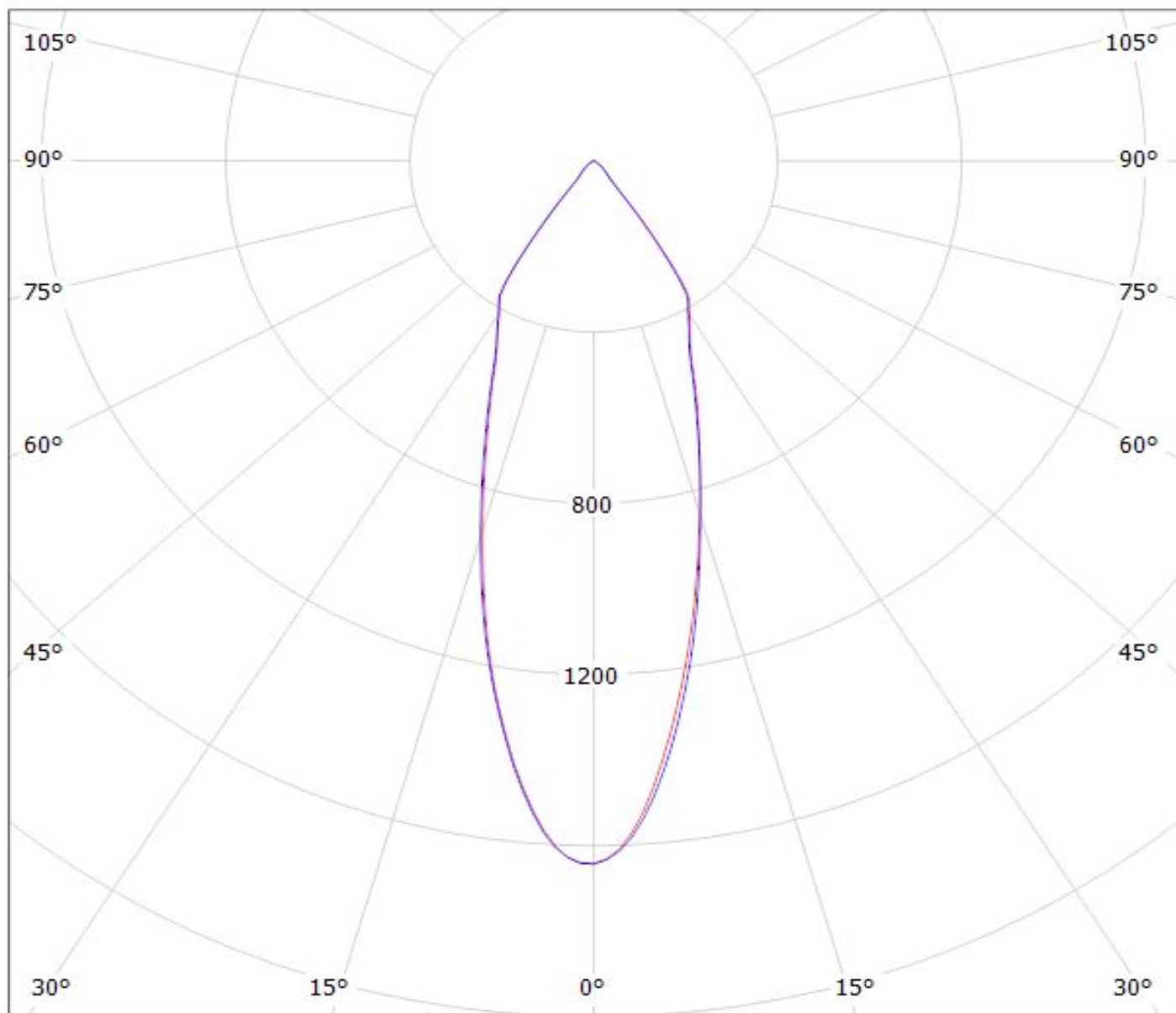
— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(Fortimo LED SLM L15 G4)

Lamps: 1 x Fortimo LED SLM L15 G4_1116.47lm@250mA_P=8.21168W_I=0.2498A



cd/klm

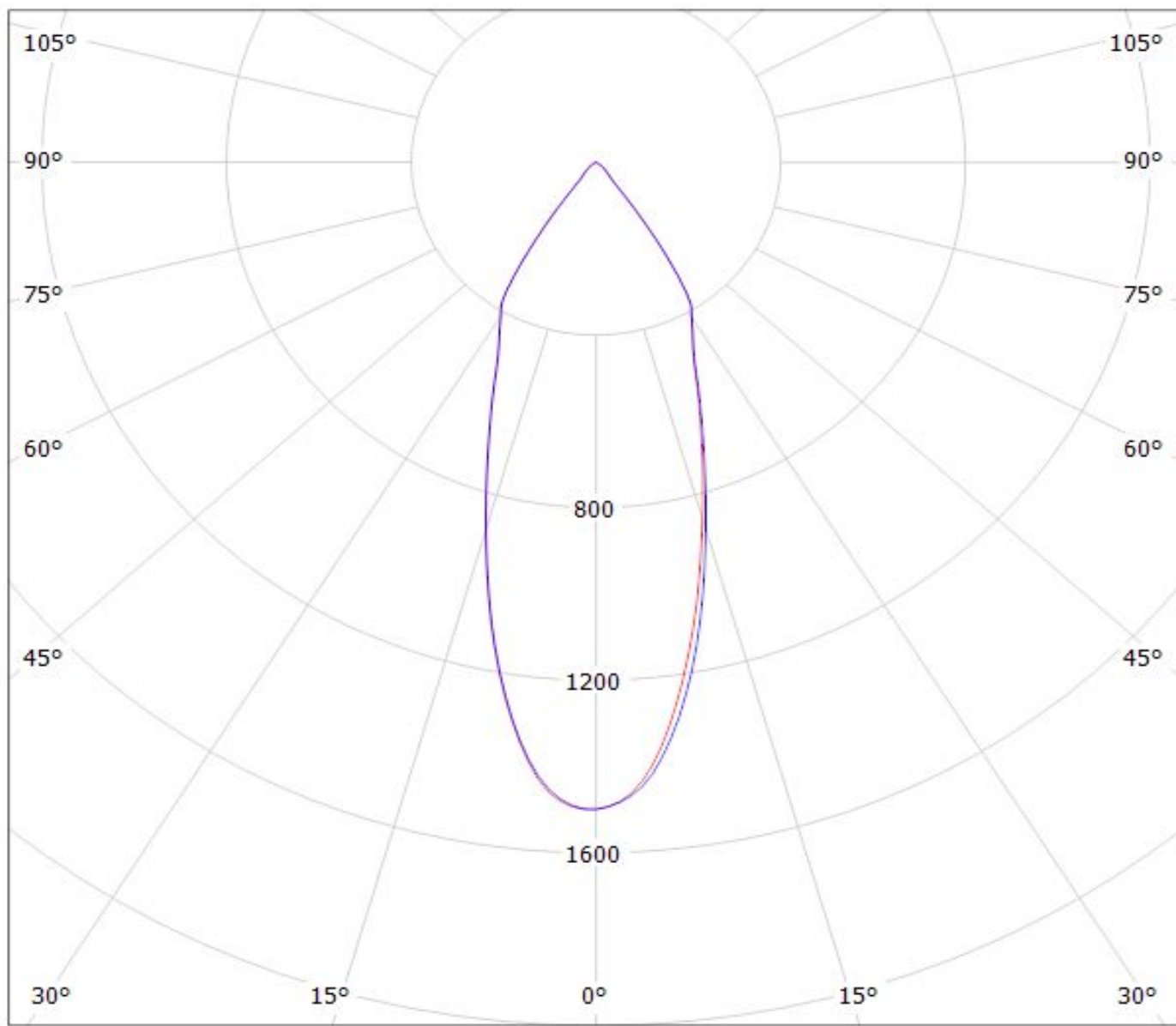
— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(Fortimo LED SLM L19 G4)

Lamps: 1 x Fortimo LED SLM L19 G4_1114.89lm@250mA_P=8.04906W_I=0.2498A



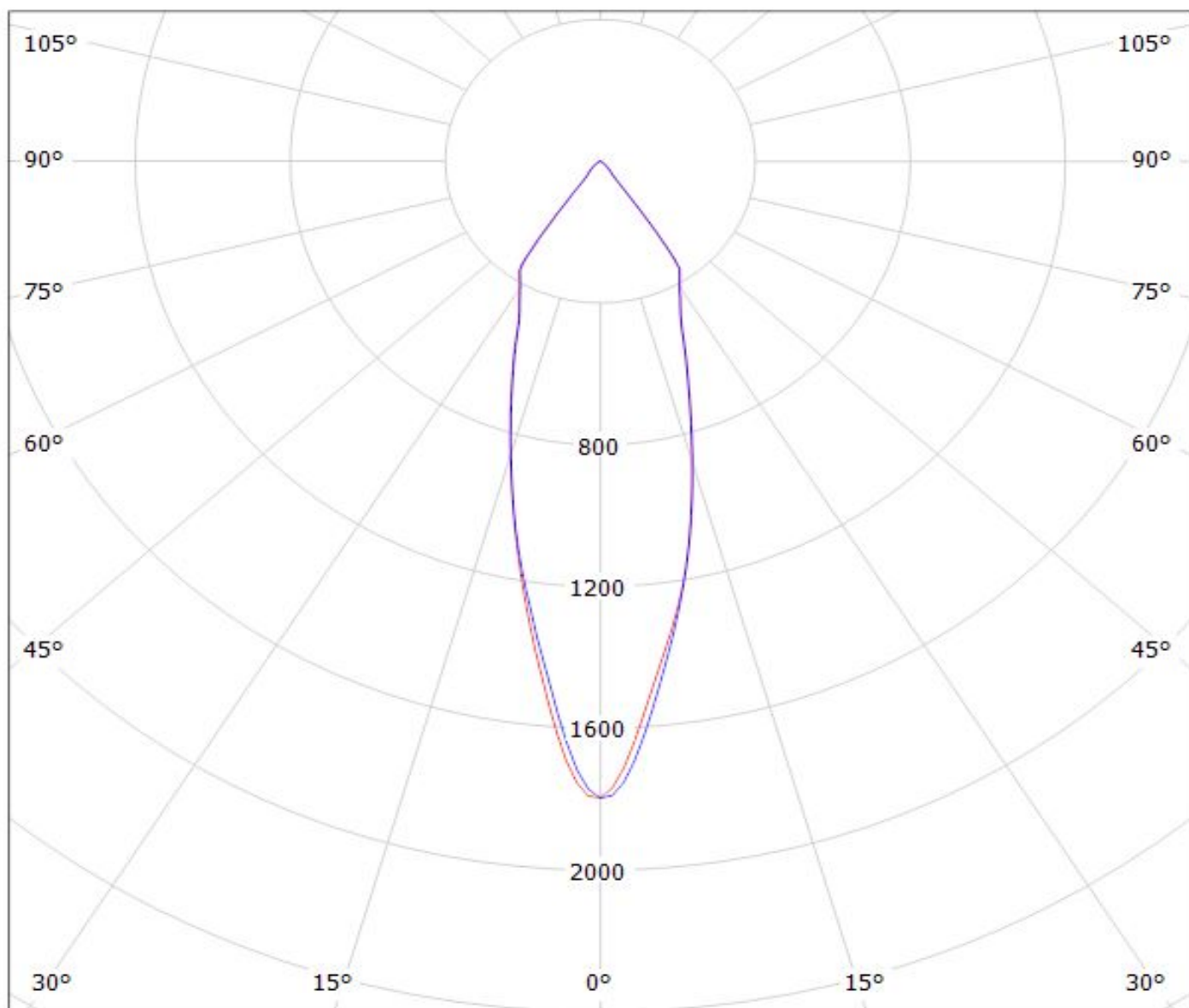
cd/klm

$\eta = 83\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13381_ANGELA-W_(SLM-G5-LES-9)_(Z50-Optic-Clip)
Lamps: 1 x Fortimo_SLM-G5-LES-9_1182.49lm@250mA_P=8.5848W_I=0.250A



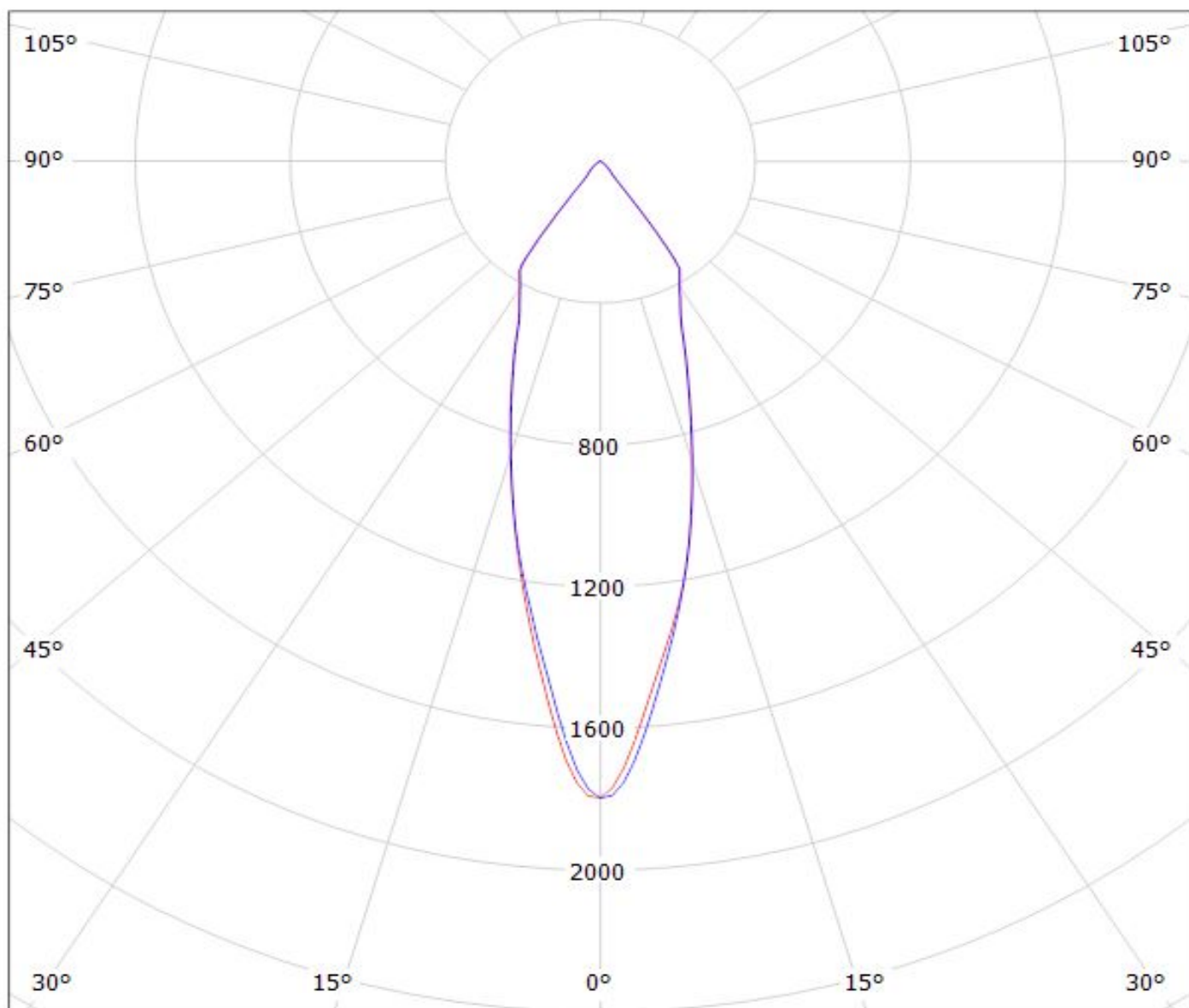
cd/klm

$\eta = 83\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13381_ANGELA-W_(SLM-G5-LES-9)_(Z50-Optic-Clip)
Lamps: 1 x Fortimo_SLM-G5-LES-9_1182.49lm@250mA_P=8.5848W_I=0.250A



cd/klm

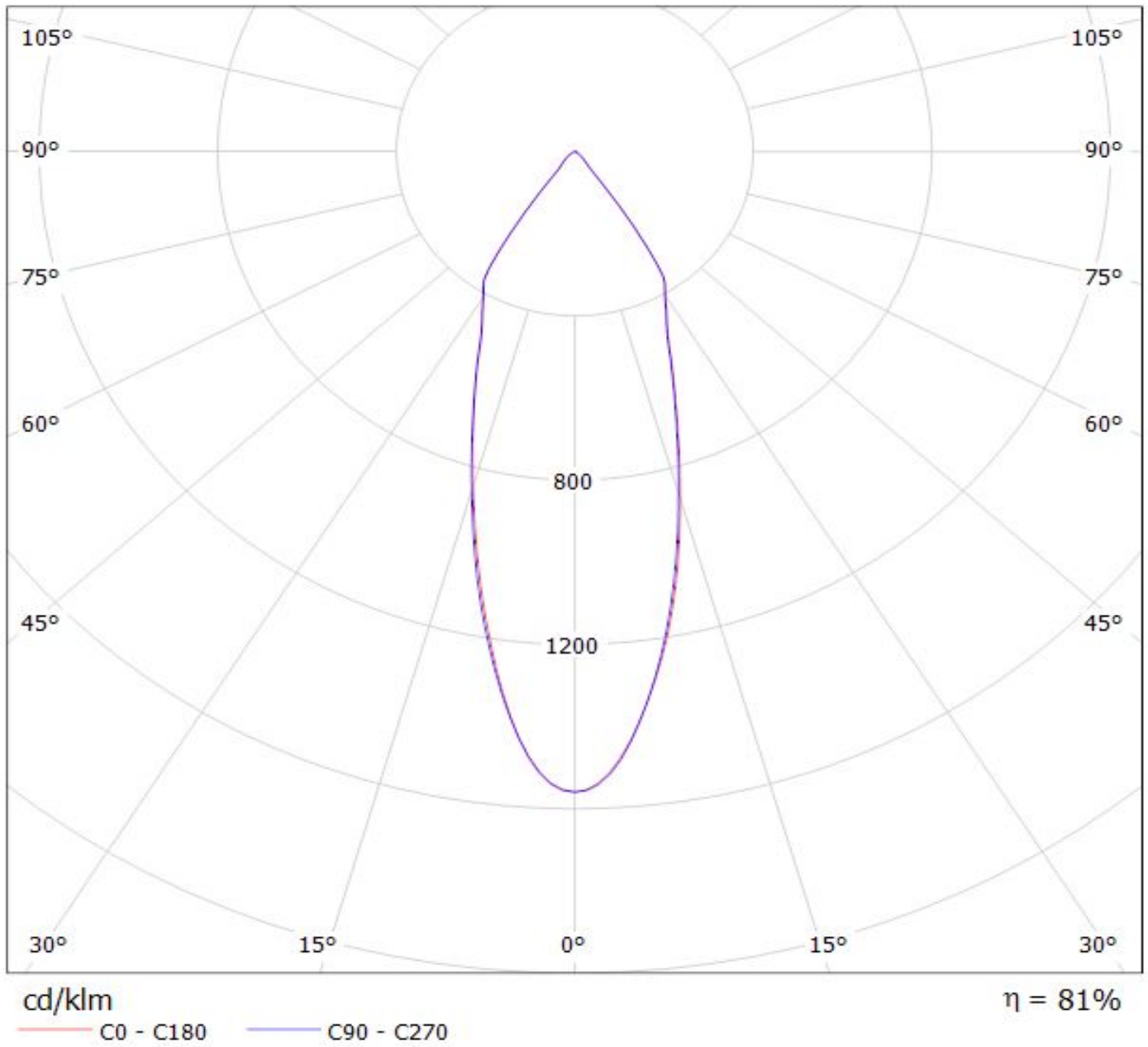
$\eta = 83\%$

— C0 - C180

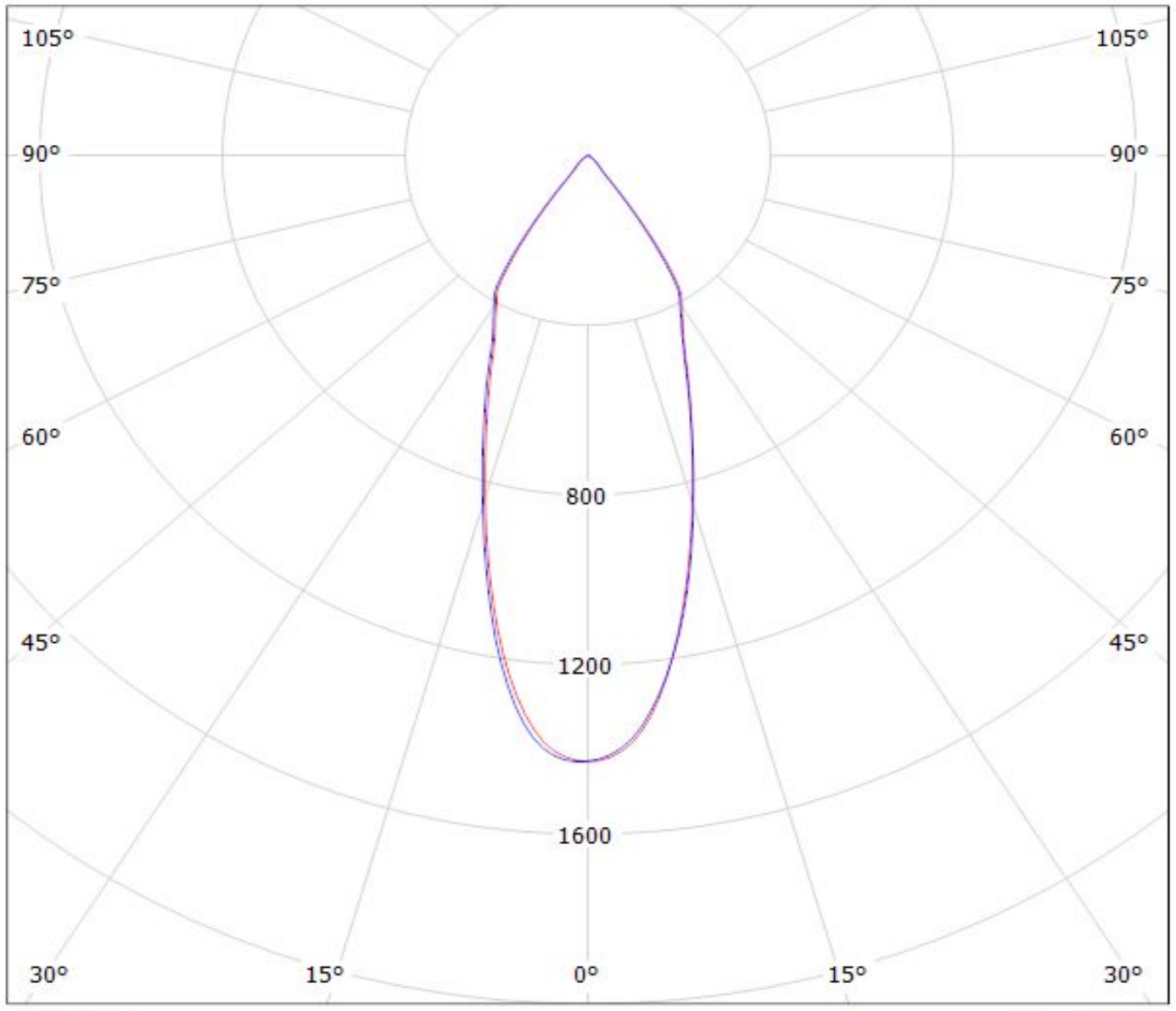
— C90 - C270

Luminaire: LEDiL Oy F13381_ANGELA-W_(SLM-G5_LES-15)

Lamps: 1 x Fortimo_SLM-G5_LES-15_1257.61lm@250mA_P=8.1569W_I=0.250A



Luminaire: LEDiL Oy F13381_ANGELA-W_(SLM-G5_LES-19)_ (Z50_Optic_Clip)
Lamps: 1 x Fortimo_SLM-G5_LES-19_1397.58lm@250mA_P=8.0385W_I=0.250A



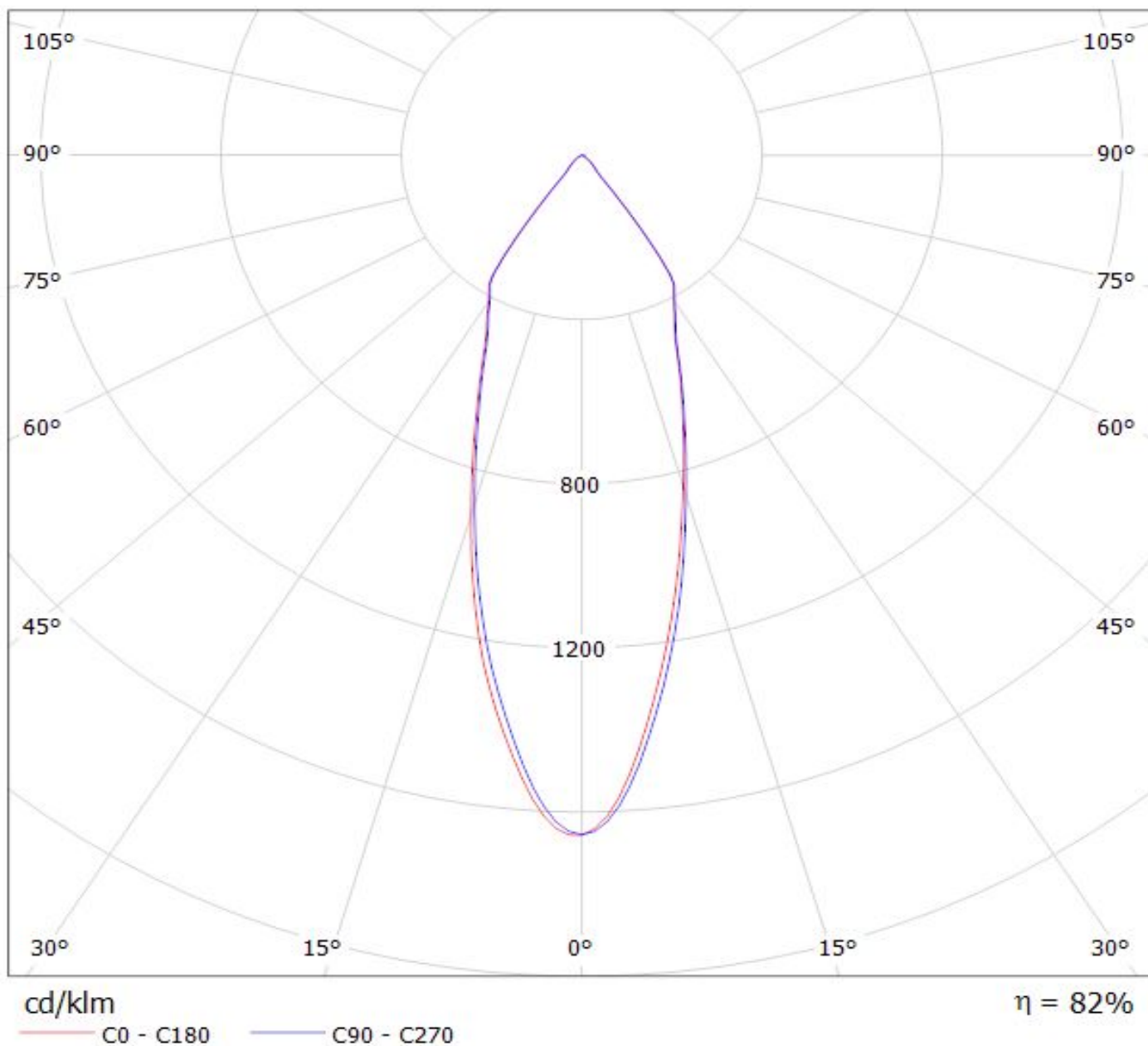
cd/klm

— C0 - C180

— C90 - C270

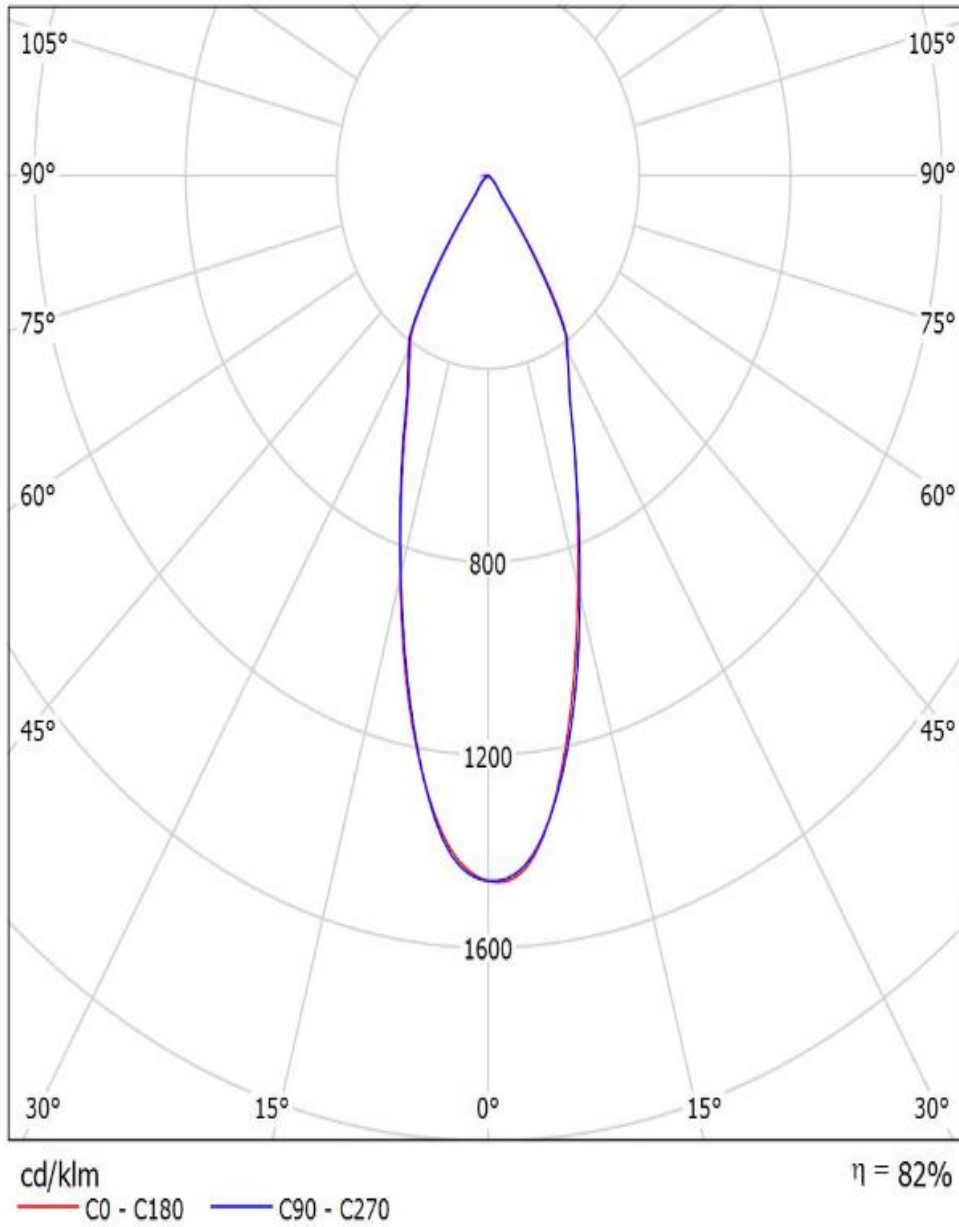
$\eta = 80\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(SLM-G5_LES-13)_Z50-Optic-Clip
Lamps: 1 x Fortimo_SLM-G5_LES-13_1300.47lm@250mA_P=8.4010W_I=0.250A



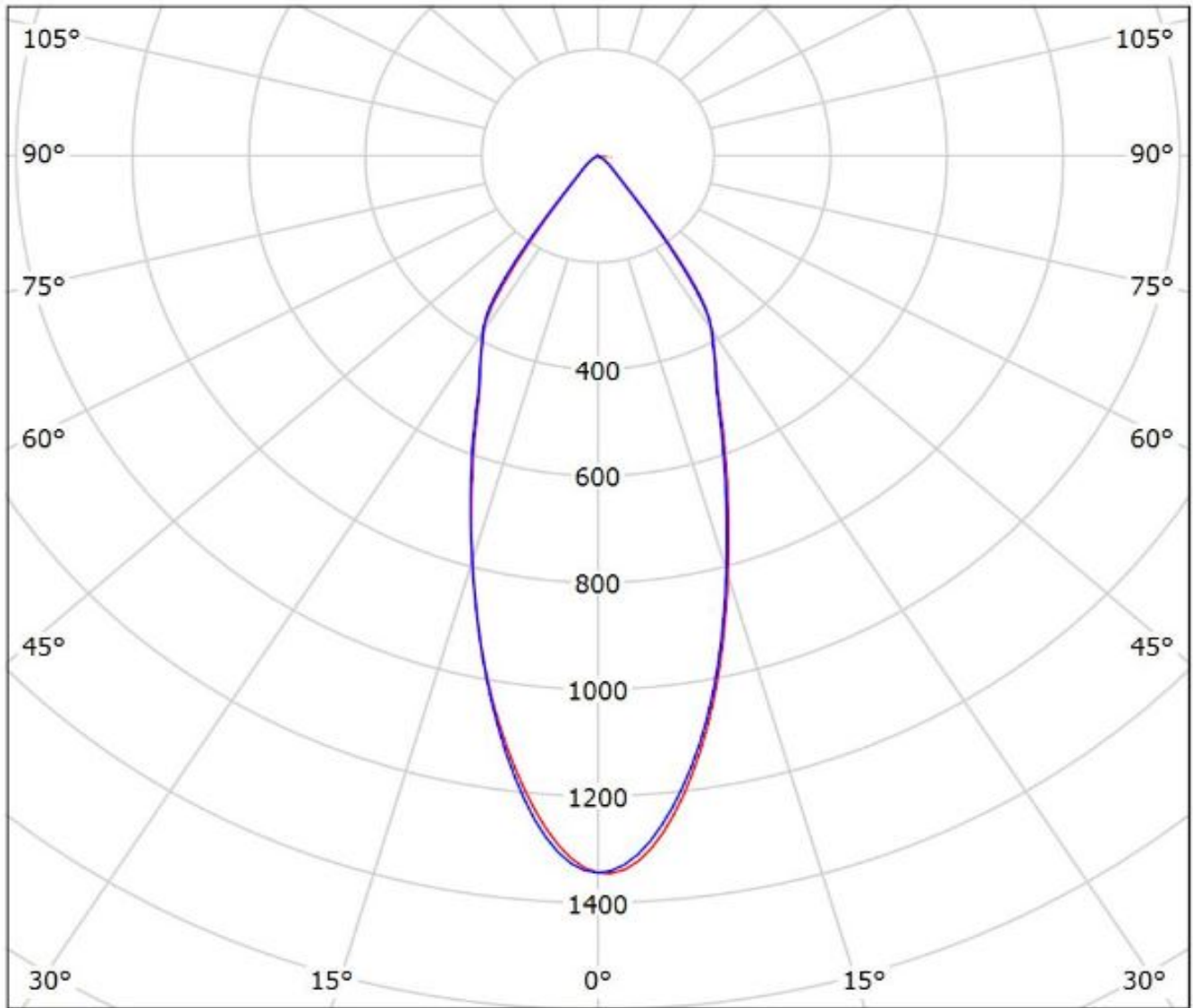
Luminaire: Ledil F13381_ANGELA-W_(SLM_1211_L19_G6_+TE)

Lamps: 1 x Philips_Fortimo_SLM_1211_L19_G6_Standard_+_TE_OPTIC_CLIP_Z50_TYPE1:_2213194-1_1146.84lm@250mA_P=8.13175W_I=0.25A



Luminaire: Ledil FC13993_ANGELA-RZ-W (SLM_G5_LES_15_+TE)

Lamps: 1 x Philips_SLM_G5_LES_15_+TE_2213194-1_1277.72lm@250mA_P=8.208W_I=0.25A

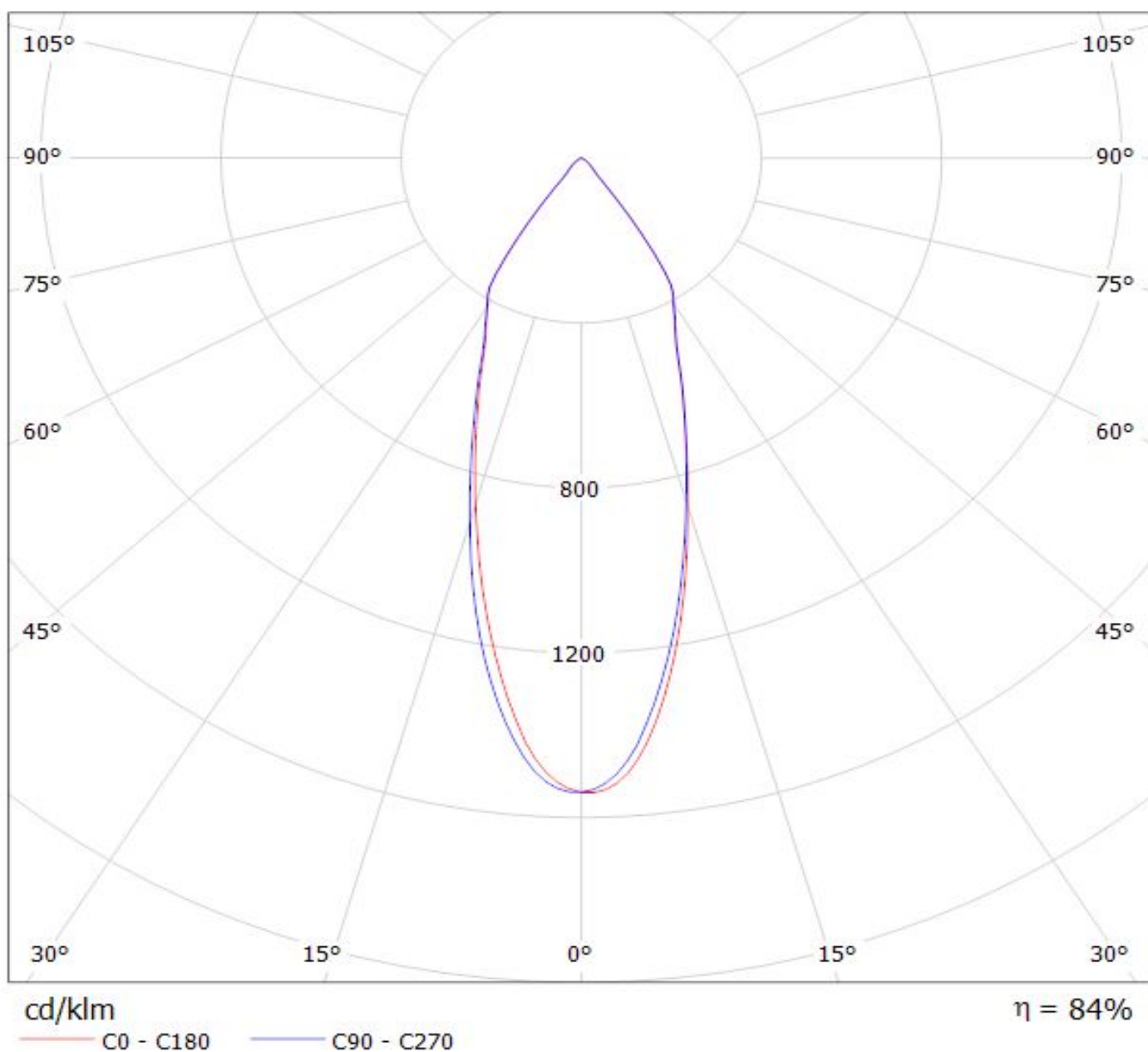


cd/klm

— C0 - C180 — C90 - C270

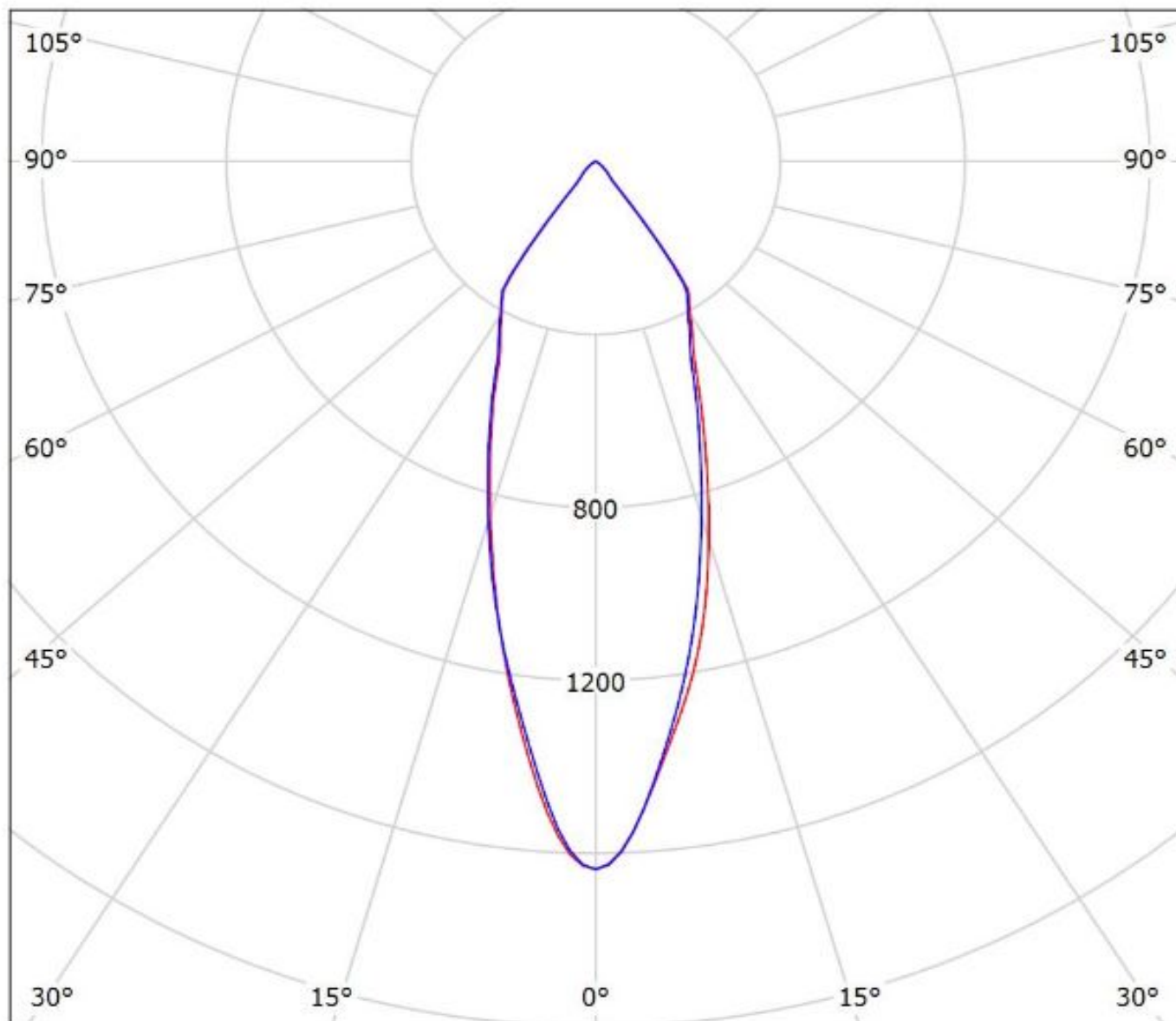
$\eta = 78\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(COB-LC026B) Eff.83.8%
Lamps: 1 x SAMSUNG_COB-LC026B_(SPHWWTHDNC25YHV52F)
_1122.94lm@250mA_P=8.2479W_I=249.8mA



Luminaire: Ledil F13381_ANGELA-W_(LC040C+TE)

Lamps: 1 x Samsung_LC040C+_2213382-2+_2213194-1_1194.16lm@250mA_CCT=4000K_P=8.137W



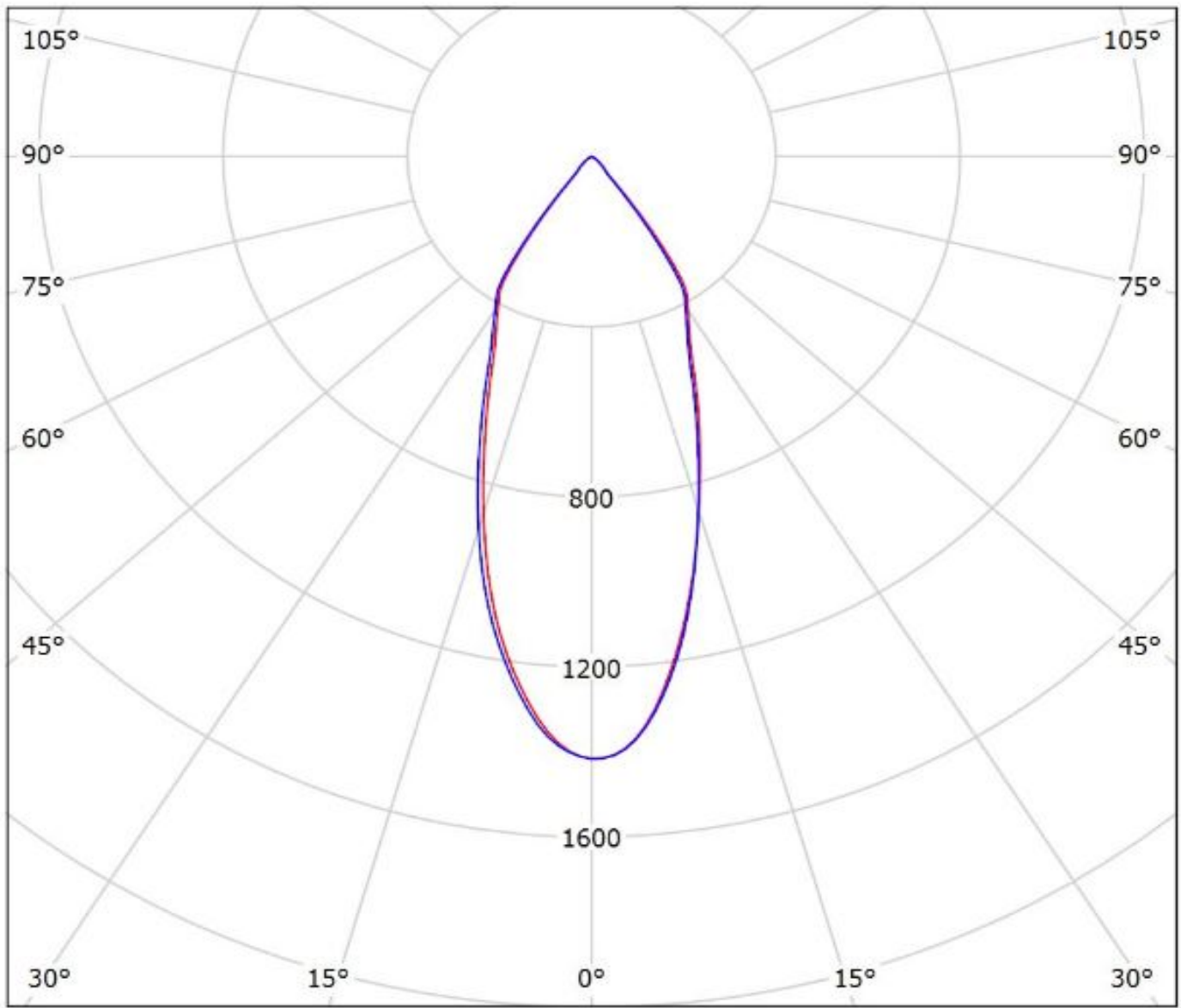
cd/klm

— C0 - C180

— C90 - C270

$\eta = 82\%$

Luminaire: Ledil FCN13707_ANGELA-W_(450_Typ_L2)_(C13658_CLAMP-VERO13-18)_(LC040B)
Lamps: 1 x Samsung_LC040B_CCT=3000K_(SPHWW1HDNE25010101)_(450_Typ_L2)_(C13658_CLAMP-VERO13-18)_1109.31lm@250mA_P=8.2W_I=0.25A



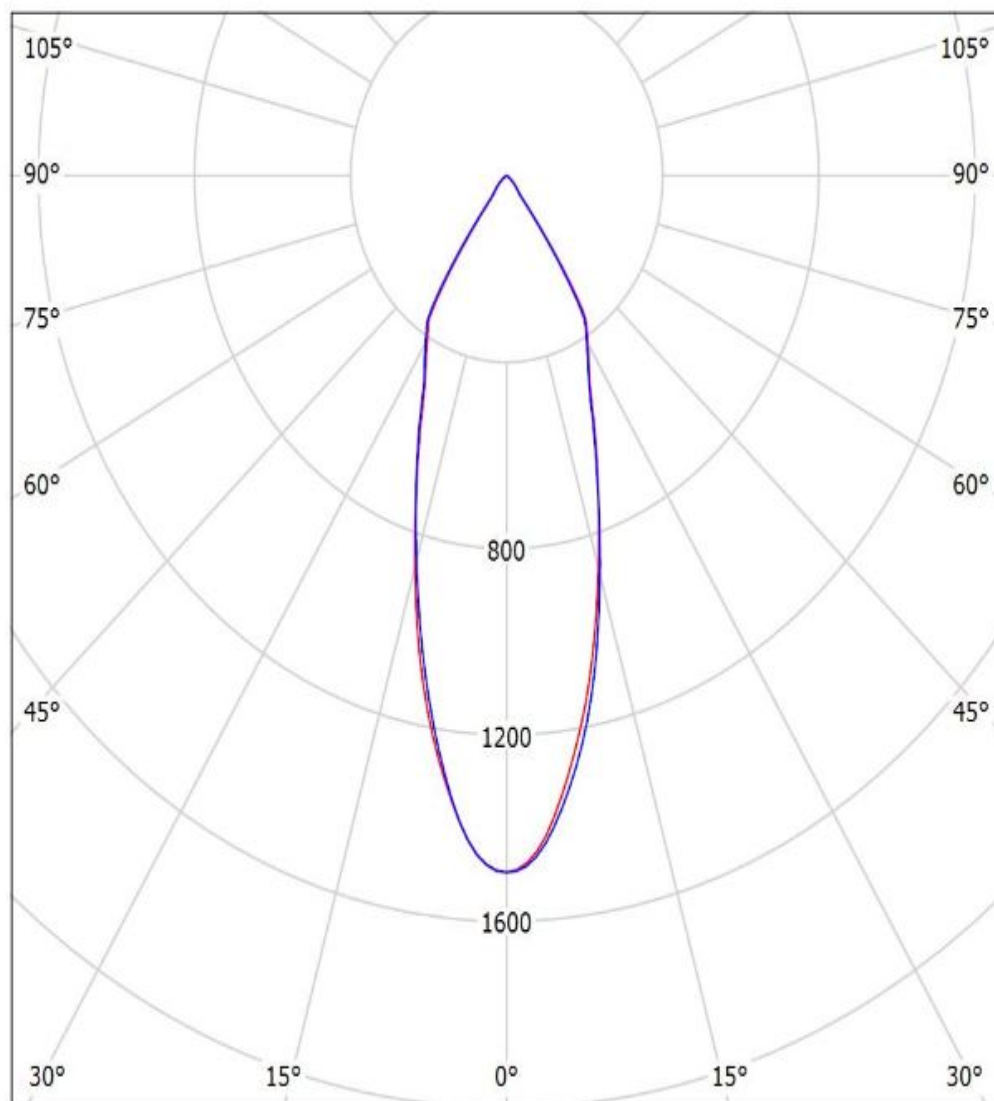
cd/klm

— C0 - C180 — C90 - C270

$\eta = 82\%$

Luminaire: Ledil F13381_ANGELA-W_(MJT_30W_Les14,5)_TE

Lamps: 1 x Seoul_MJT_30W_Les14,5mm_(SAWx1566A)_+TE_2213254-2+_TE_2213194-1_1328.6lm@250mA_P=8.24025W_I=0.25A



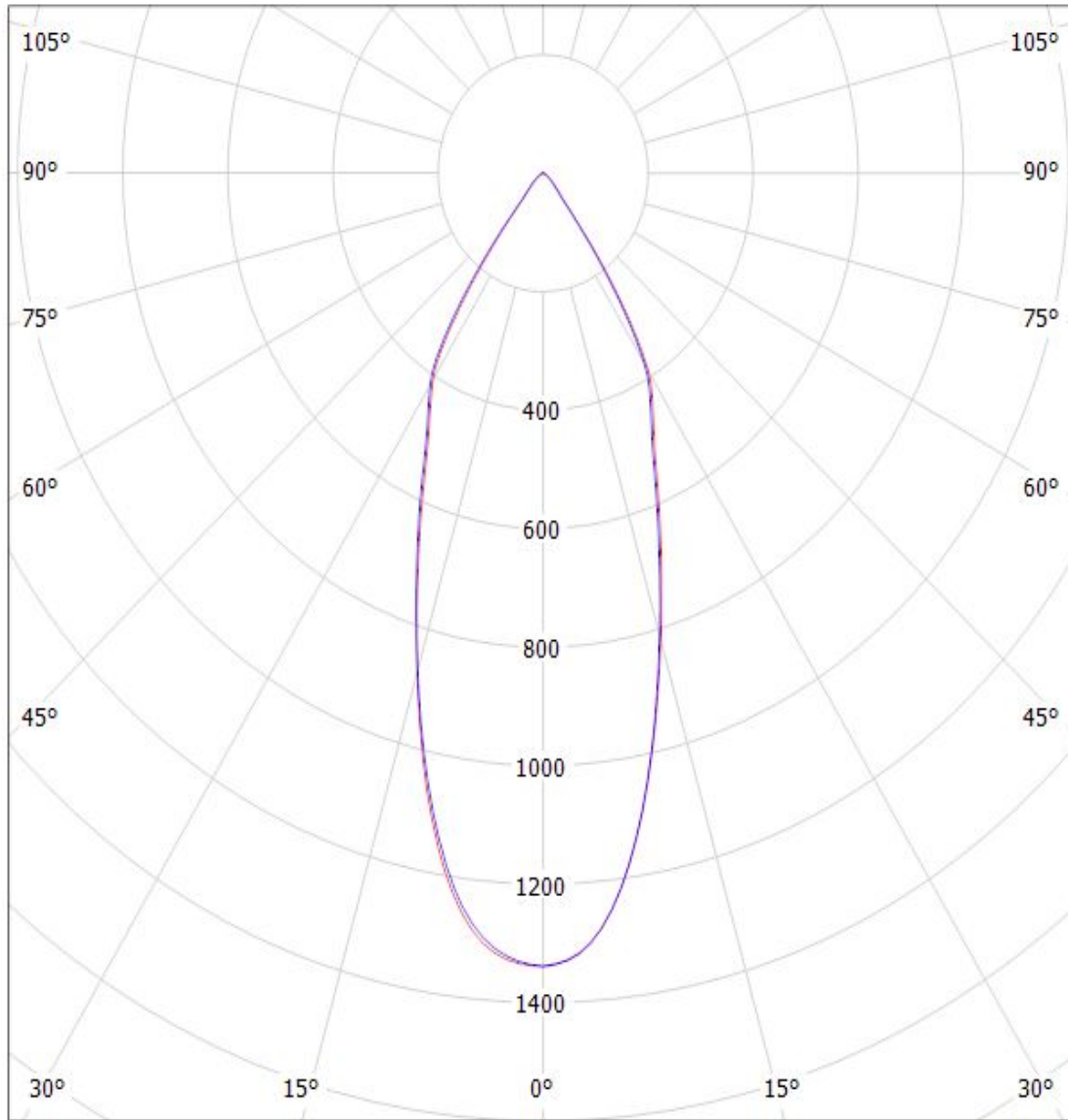
cd/klm

— C0 - C180 — C90 - C270

$\eta = 82\%$

Luminaire: Ledil FCN13704_ANGELA-W_(MJT_80W_Les22)_+431TypL3

Lamps: 1 x Seoul_MJT_80W_Les22mm_(SAWx22AAA)+_VERO29+_431TypL3_2407.73lm@250mA_P=13.2662W_I=0.25A



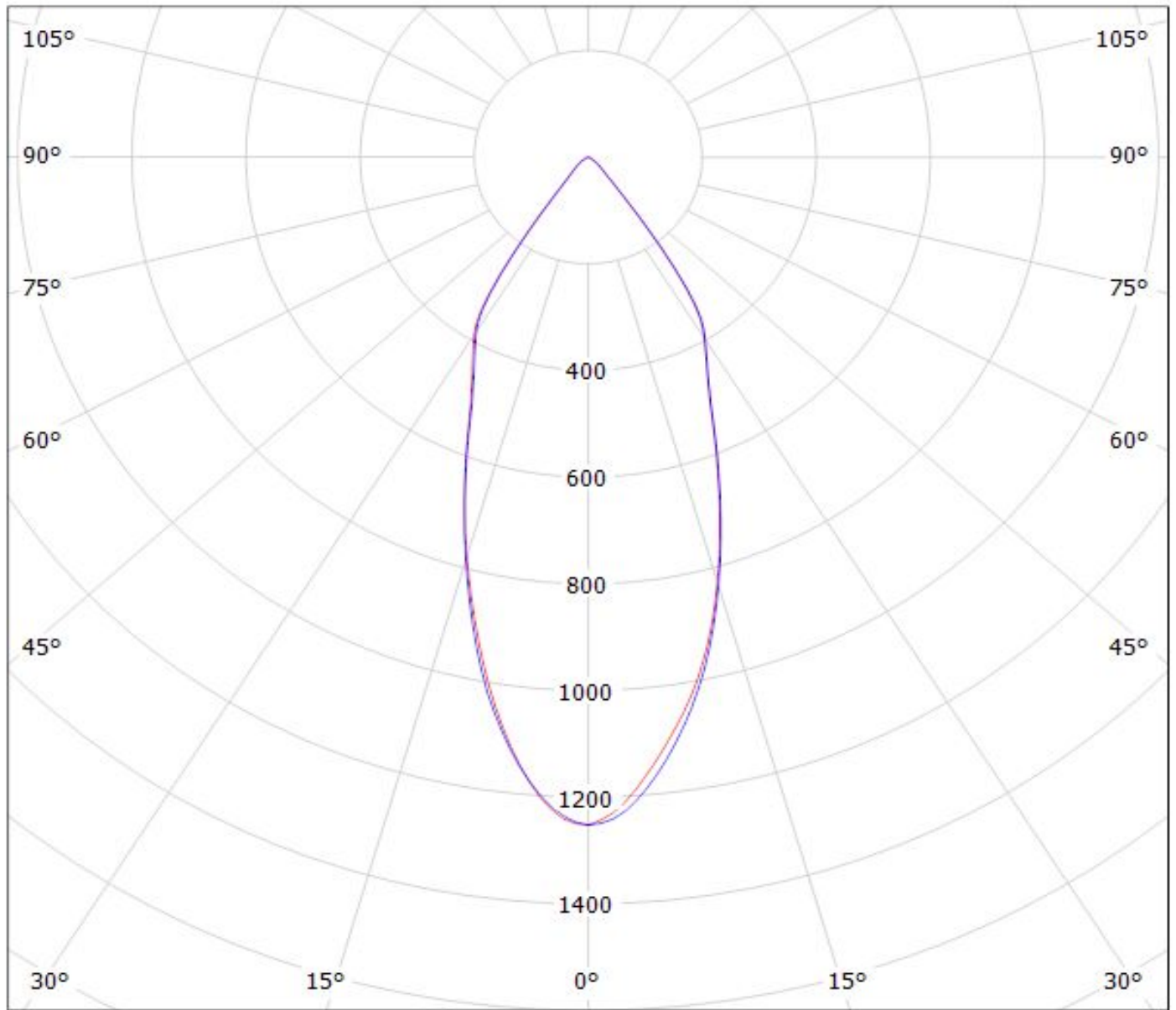
cd/klm

— C0 - C180 — C90 - C270

η = 81%

Luminaire: Ledil FC13993_ANGELA-RZ-W_(SEOUL_AC_Zhaga_COB)

Lamps: 1 x SEOUL_AC_Zhaga_COB



cd/klm

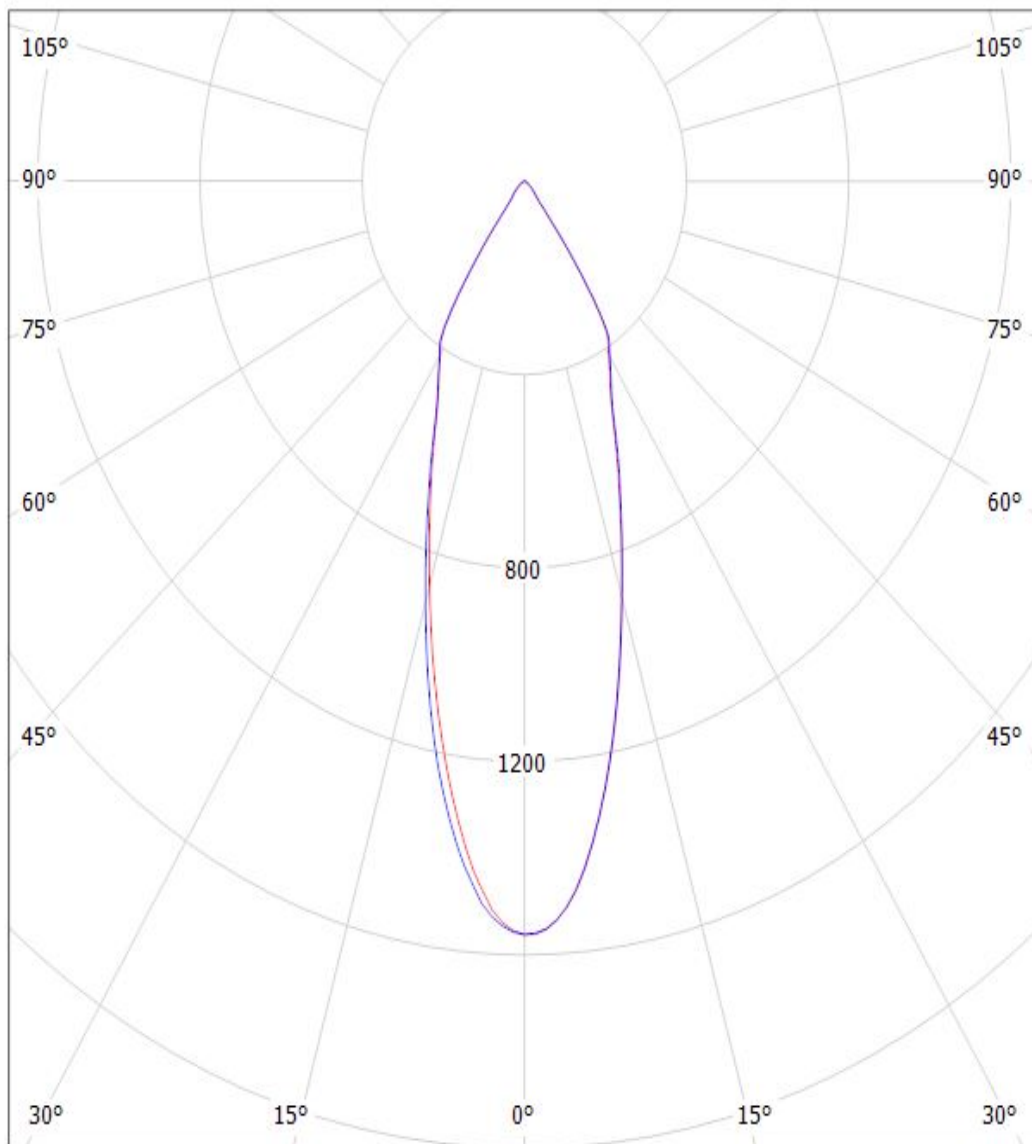
— C0 - C180

— C90 - C270

$\eta = 79\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(STARK_LES19)

Lamps: 1 x Tridonic_STARK_SLE_G3_LES19_(Stark-SLE-PURE-G3-19-2000-840-CLA)_1050.59lm@250mA_P=8.3639W_I=249.9mA



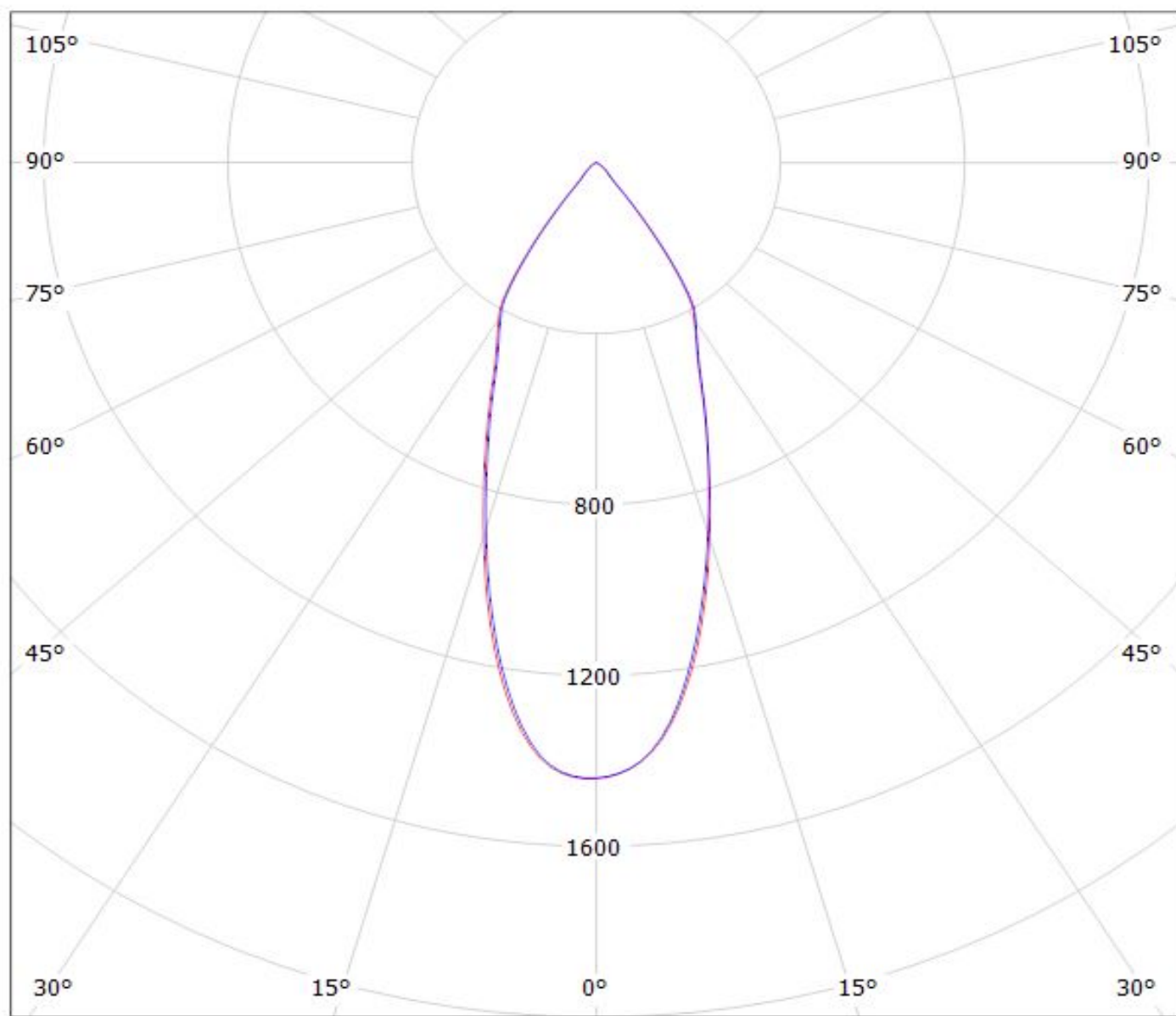
cd/klm

— C0 - C180 — C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(STARK_LES23) Eff.84.4%

Lamps: 1 x Tridonic_STARK_SLE_G3_LES23_802.87lm@250mA_P=8.2452W_I=249.9mA



cd/klm

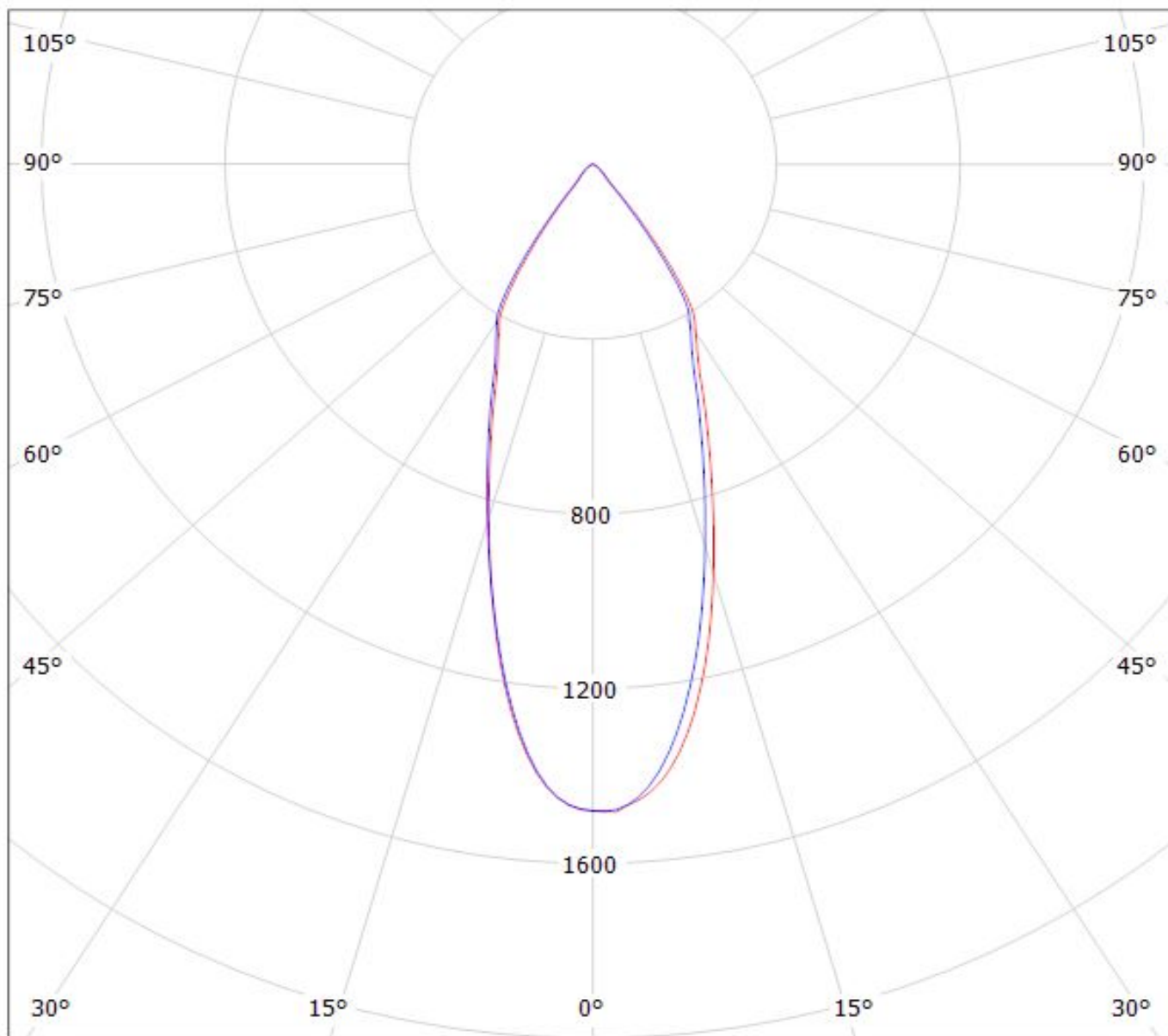
— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(SLE_G4_LES23)

Lamps: 1 x Tridonic_SLE_G4_LES23_1354.57lm@250mA_P=8.18744W_I=0.2498A



cd/klm

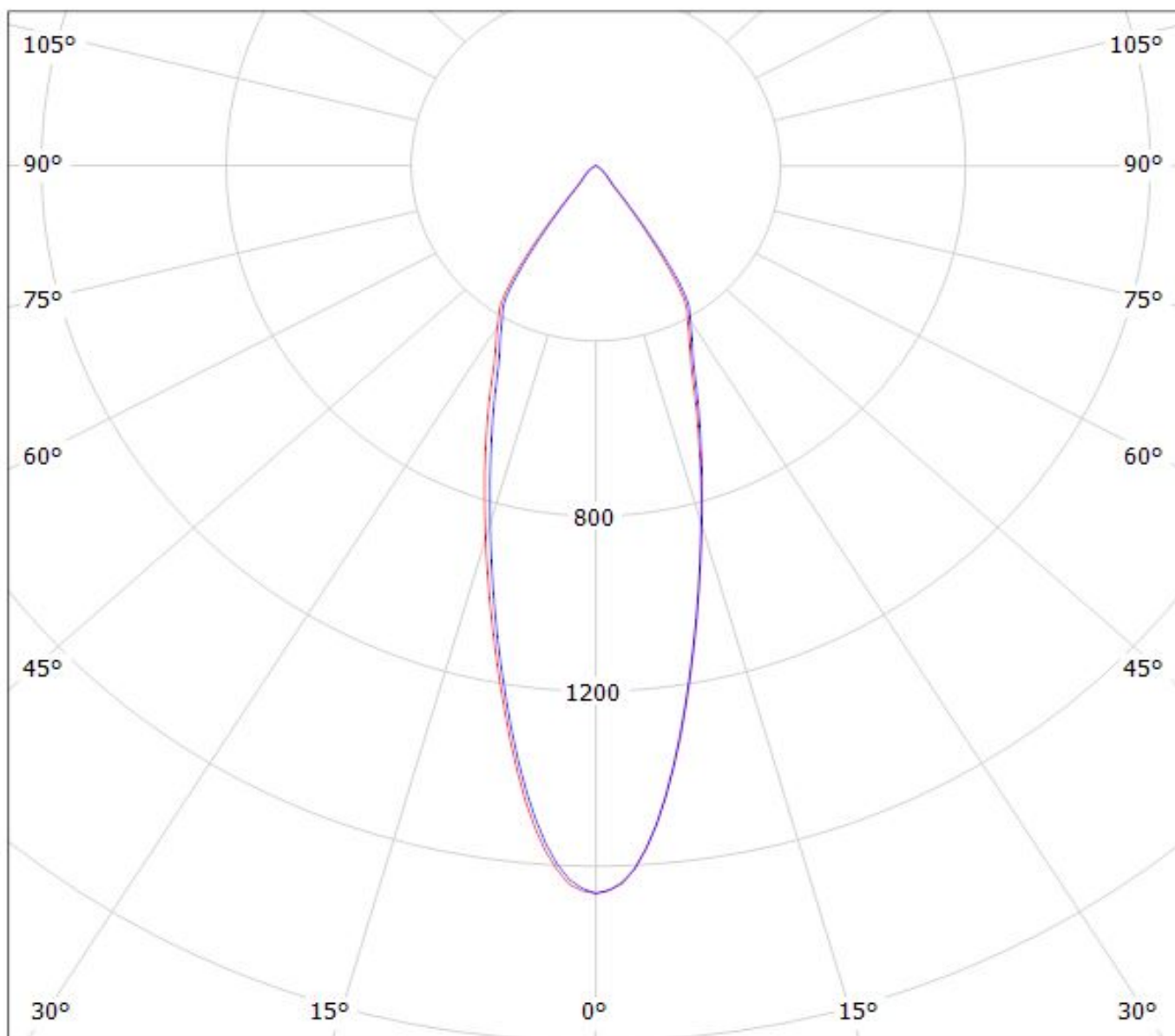
— C0 - C180

— C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(SLE GEN4 LES19)

Lamps: 1 x SLE GEN4 LES19_1227.01lm@250mA_P=8.21492W_I=0.2498A



cd/klm

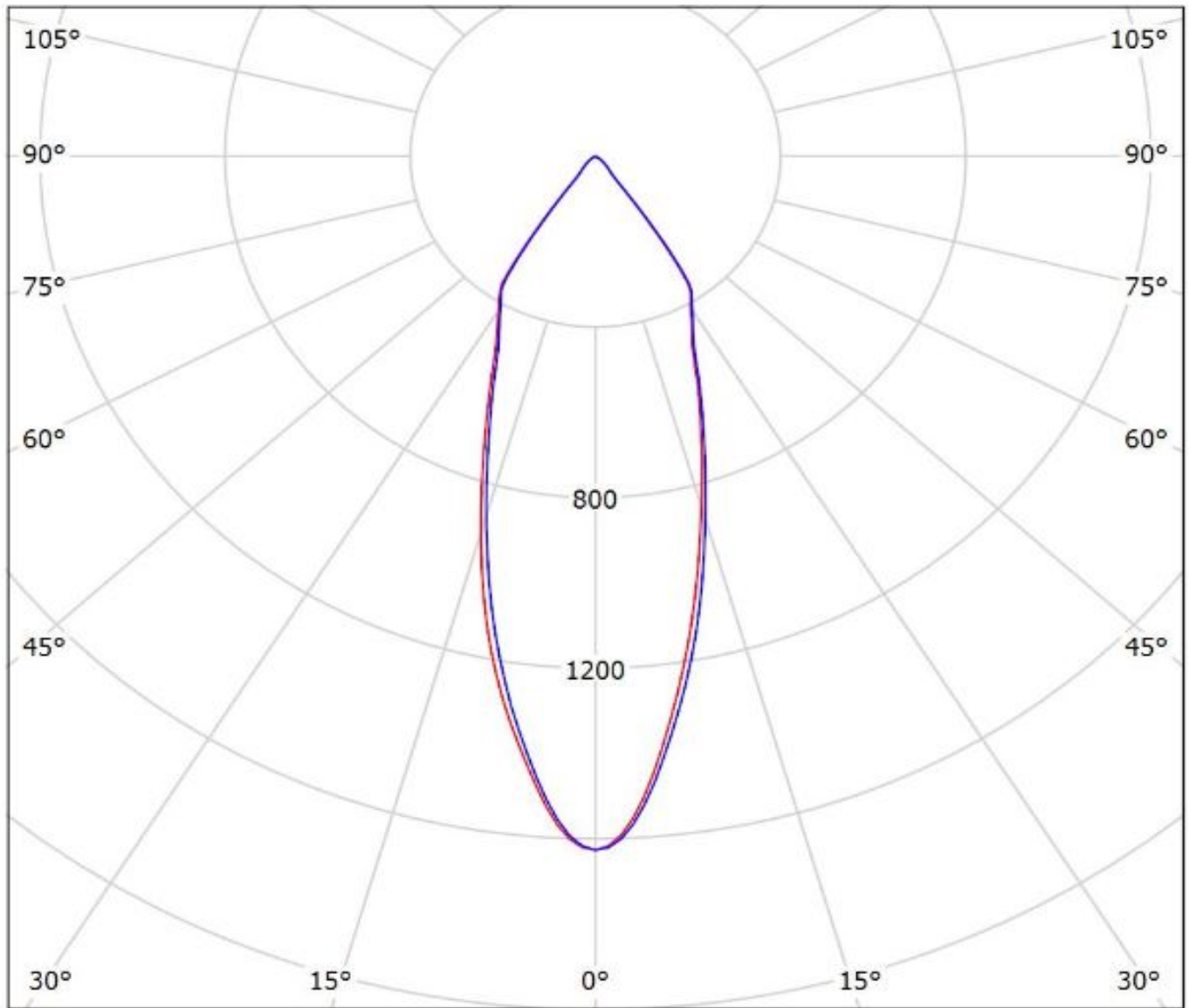
— C0 - C180

— C90 - C270

$\eta = 82\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(SLE-G5_LES-15)

Lamps: 1 x Tridonic_SLE-G5_LES-15_1238lm@250mA_P=8.6575W_I=0.250A



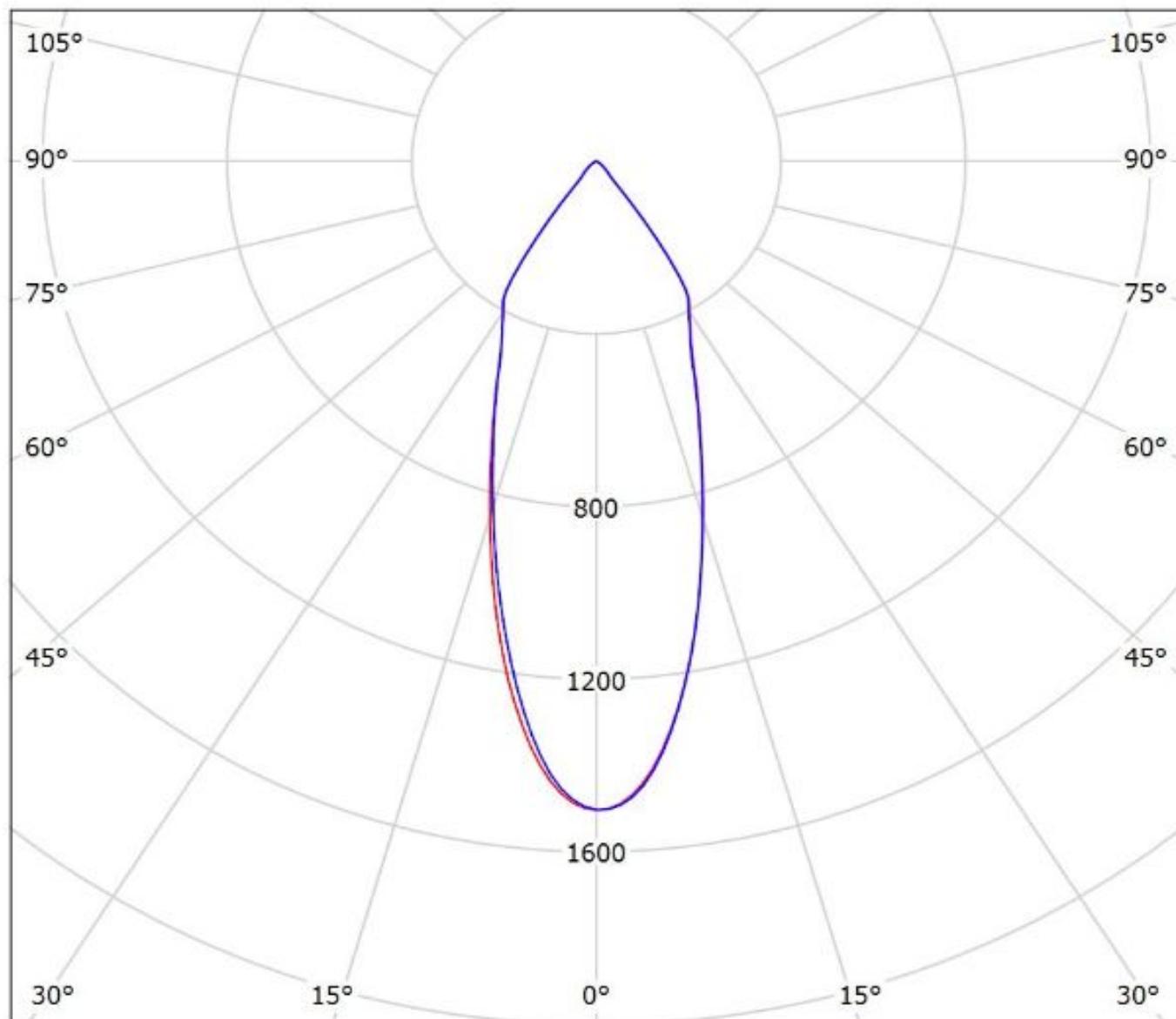
cd/klm

— C0 - C180 — C90 - C270

$\eta = 83\%$

Luminaire: LEDiL Oy F13381_ANGELA-W_(SLE-G5_LES-19)

Lamps: 1 x Tridonic_SLE-G5_LES-19_1334.47lm@250mA_P=8.2224W_I=0.250A



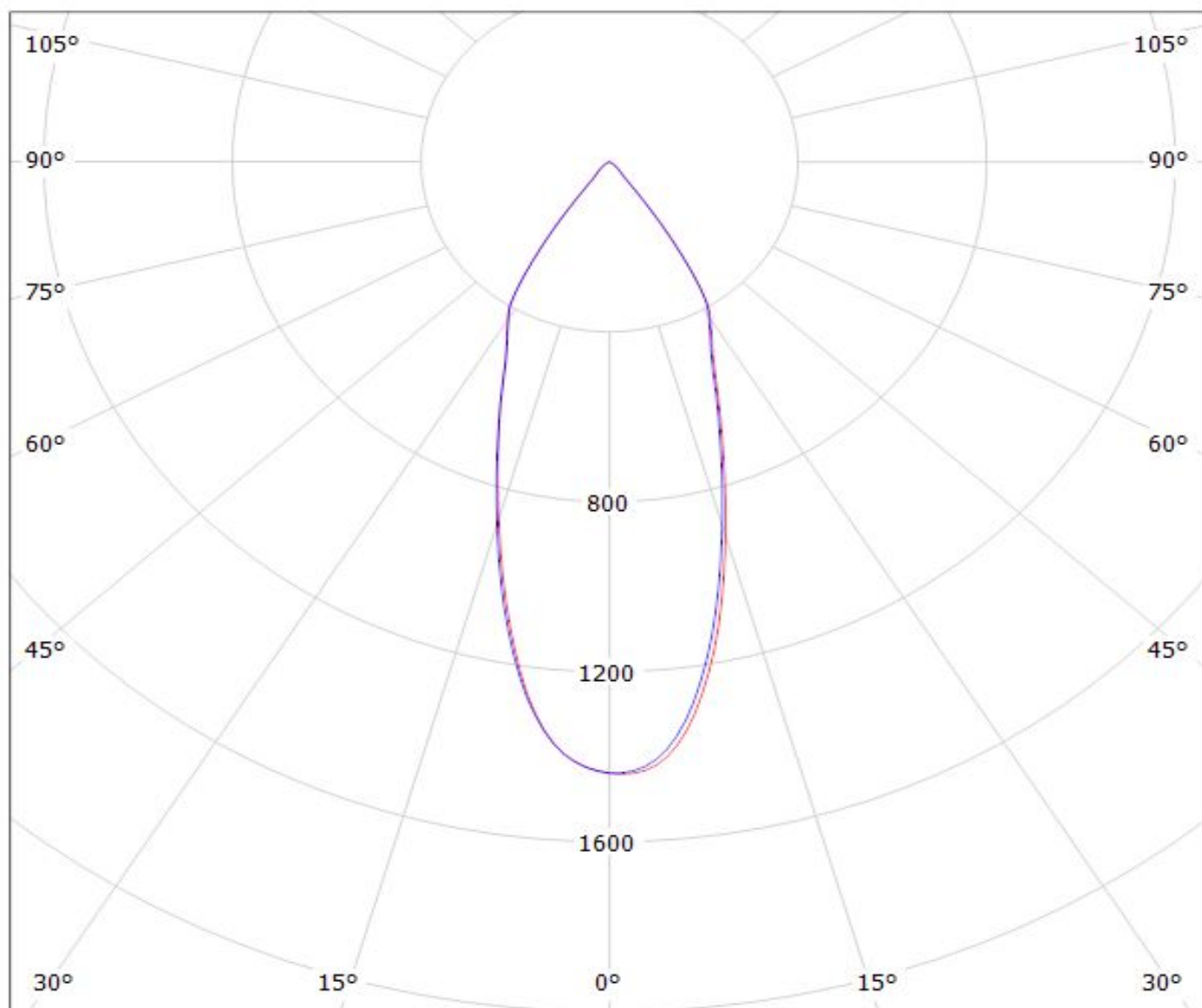
cd/klm

$\eta = 80\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13381_ANGELA-W_(SLE-G5_LES-23)

Lamps: 1 x Tridonic_SLE-G5_LES-23_1303.96lm@250mA_P=8.1062W_I=0.250A



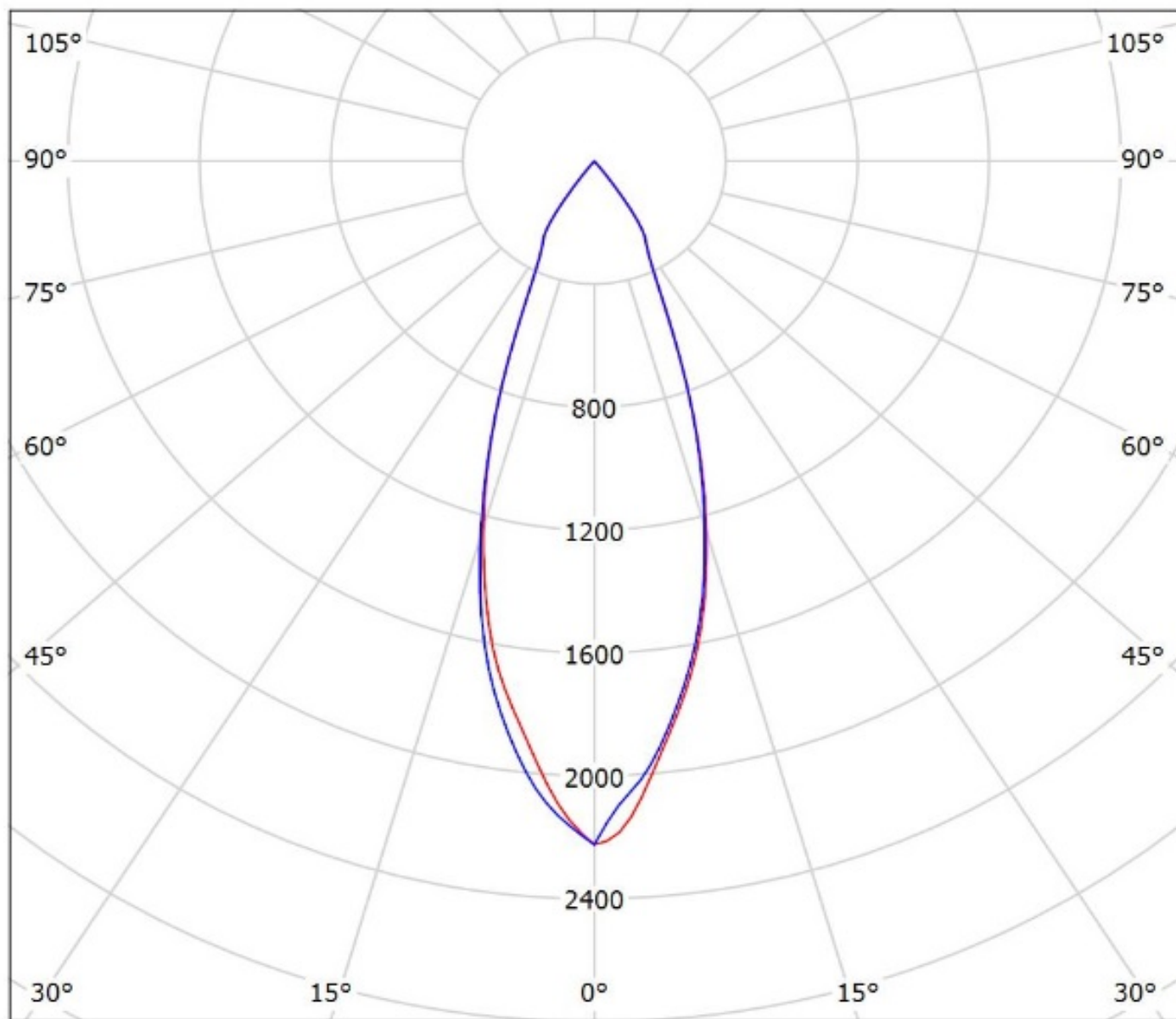
cd/klm

— C0 - C180

— C90 - C270

$\eta = 83\%$

Luminaire: Ledil Oy F13381_ANGELA-W_(SLE_G6_LES15)_(2213254-2_+ 2213194-1)_SIMULATED
Lamps: 1 x Tridonic SLE G5 LES15 + Tyco Electronics 2213254-2 + TE 2213194-1 optic clip

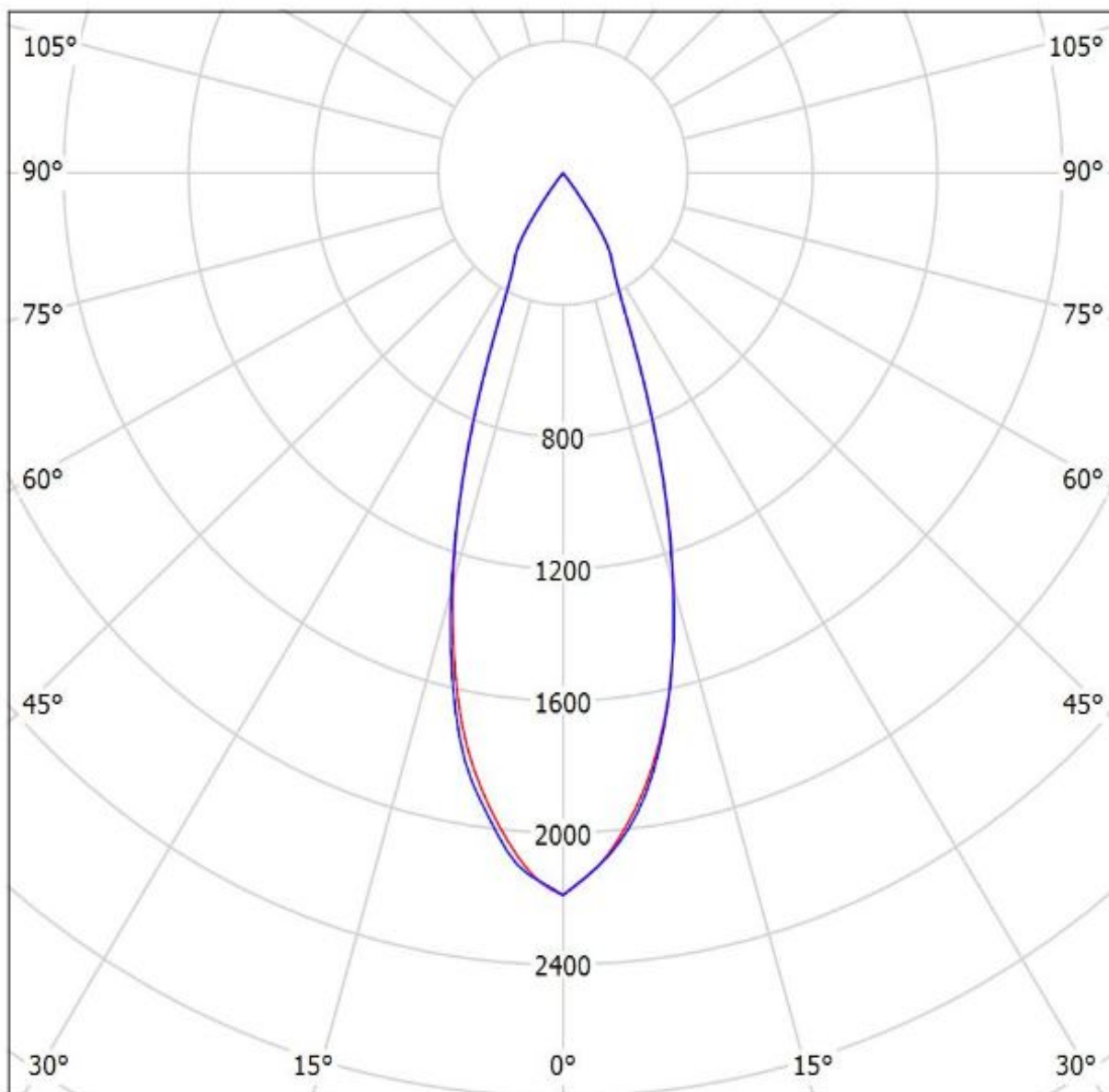


cd/klm

— C0 - C180 — C90 - C270

$\eta = 88\%$

Luminaire: Ledil Oy F13381_ANGELA-W+_TE_2213254-2+_TE_Z50_Type1_TRIDONIC_SLE_G6_LES17_SIMULATED
Lamps: 1 x TRIDONIC SLE G6 LES17



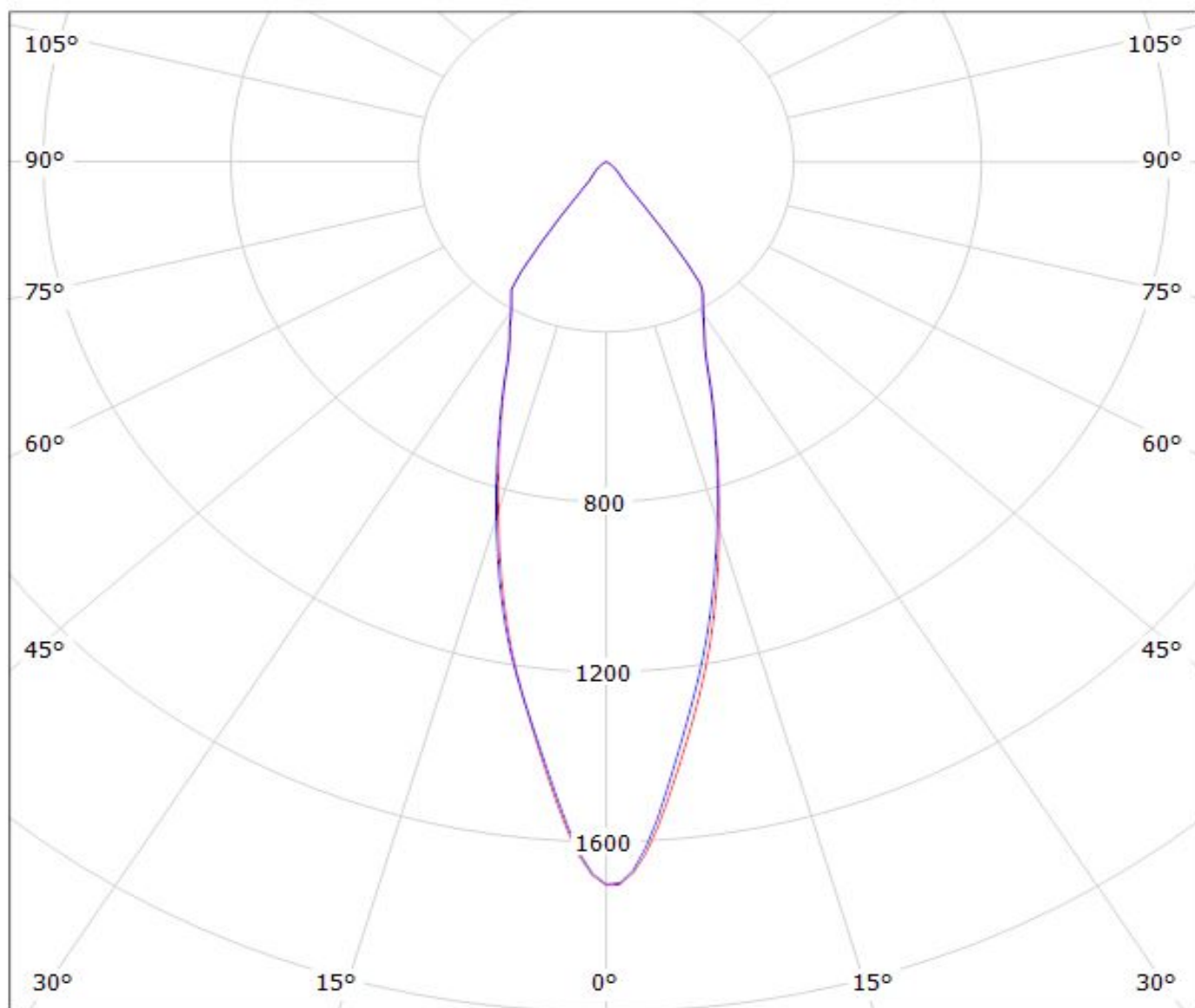
cd/klm

— C0 - C180 — C90 - C270

$\eta = 90\%$

Luminaire: LEDiL Oy FCN13707_ANGELA-W_(SLE-G5_LES-11)

Lamps: 1 x Tridonic_SLE-G5_LES-11_1137.55lm@250mA_P=8.4177W_I=0.250A



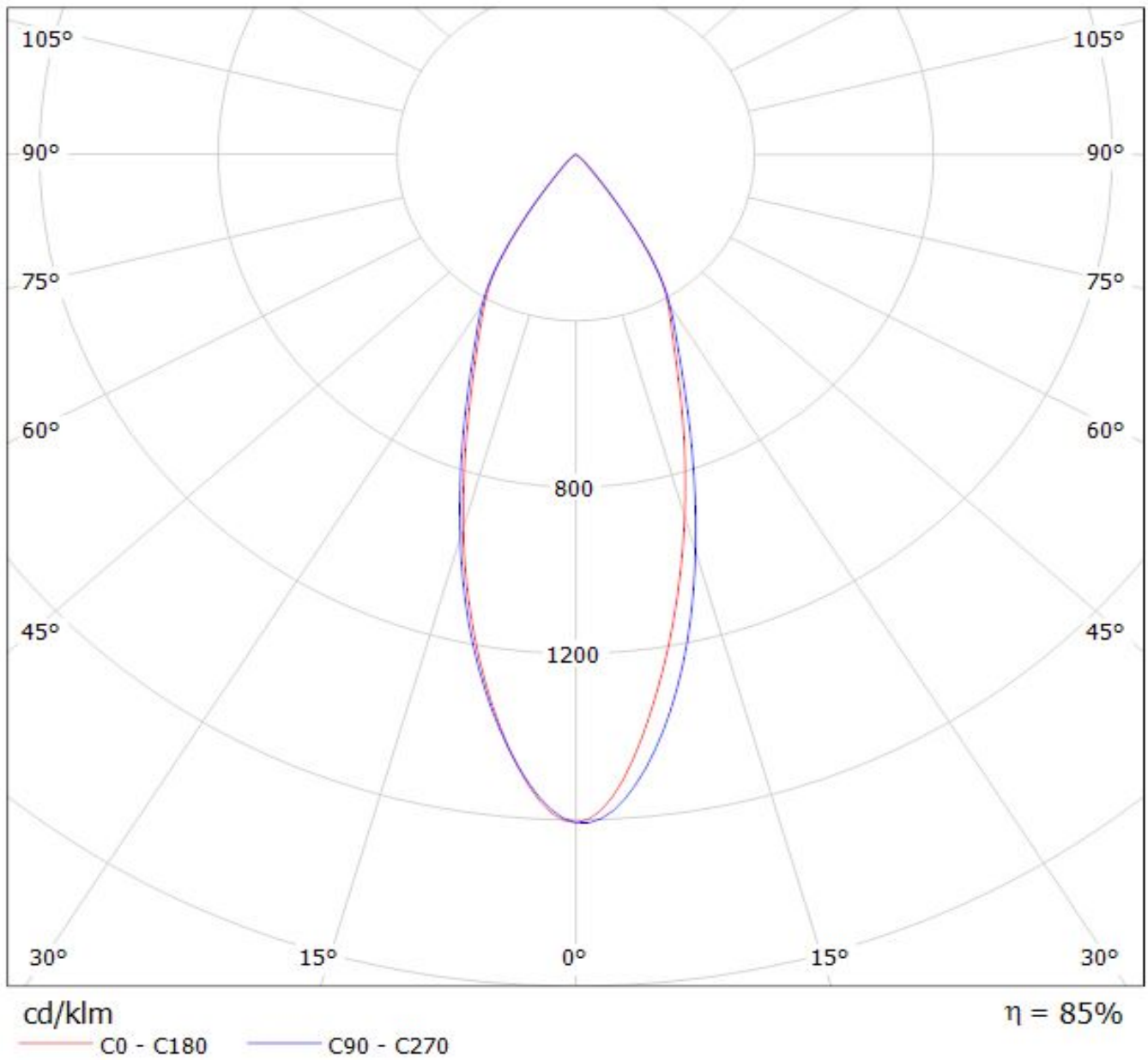
cd/klm

— C0 - C180

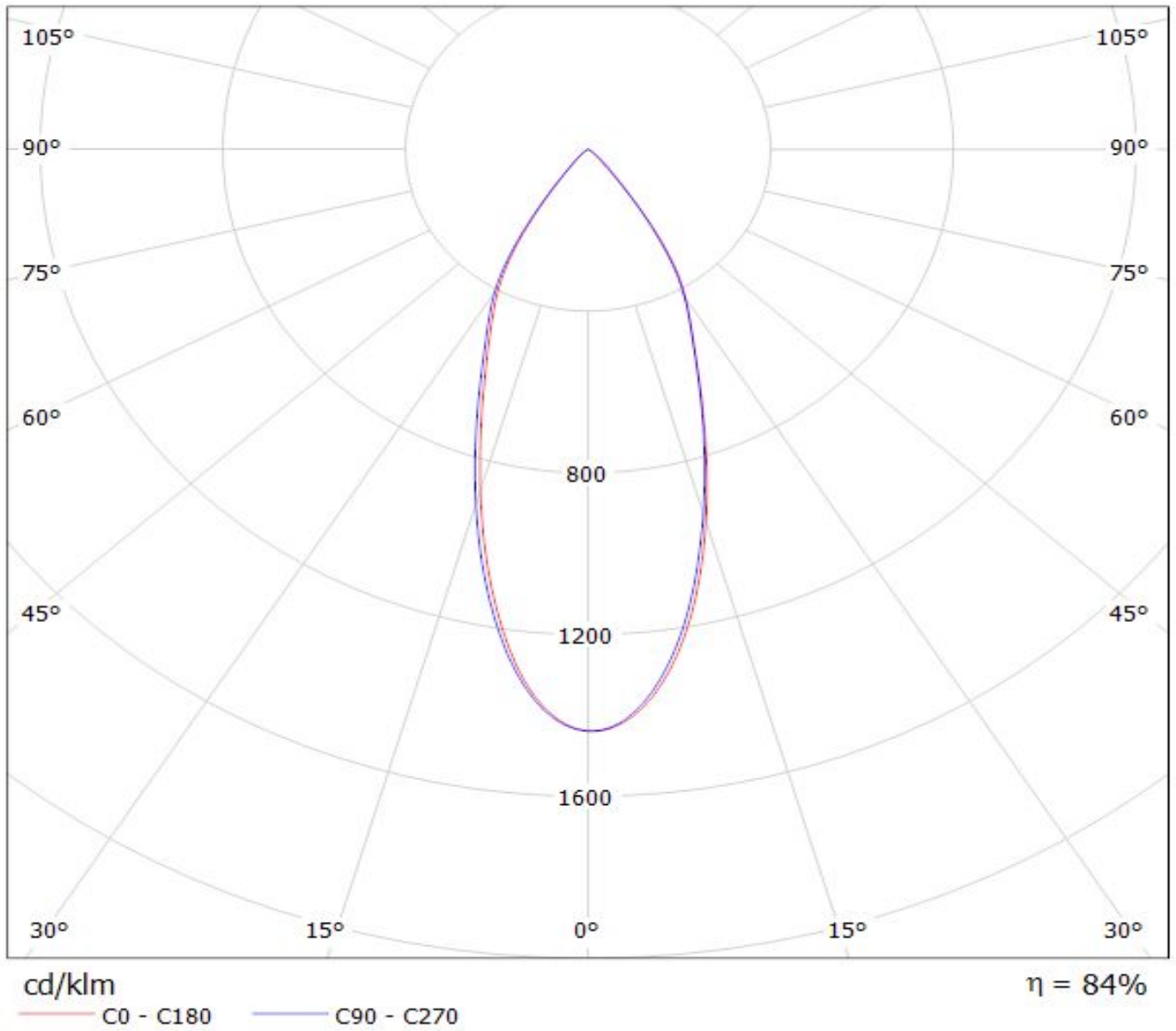
— C90 - C270

$\eta = 83\%$

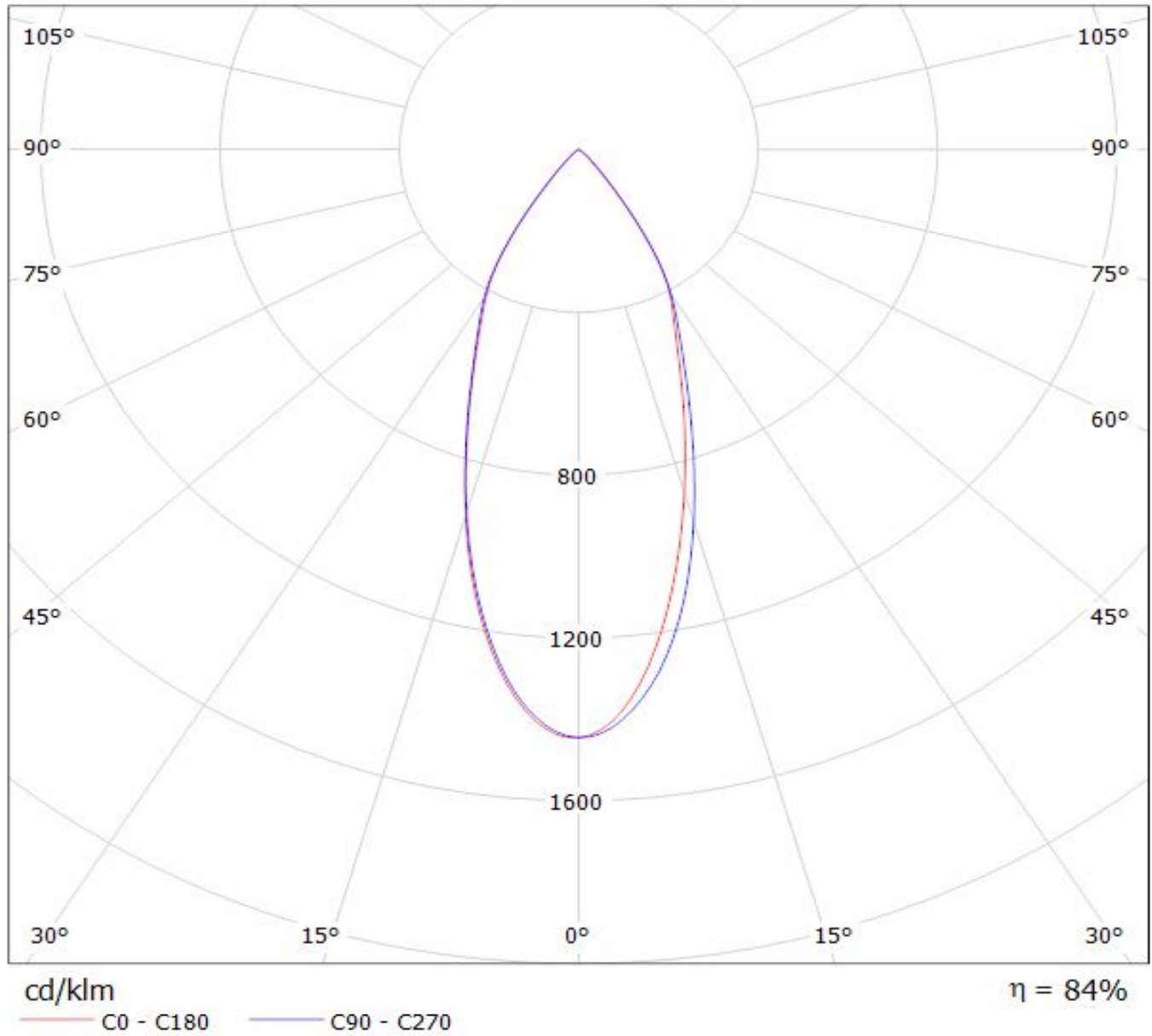
Luminaire: LEDiL F13381_ANGELA-W_(WU-M-461)
Lamps: 1 x Vossloh-Schwabe WU-M-461-827 767lm@250mA



Luminaire: LEDiL F13381_ANGELA-W_(WU-M-462)
Lamps: 1 x Vossloh-Schwabe WU-M-462-827 1140lm@250mA

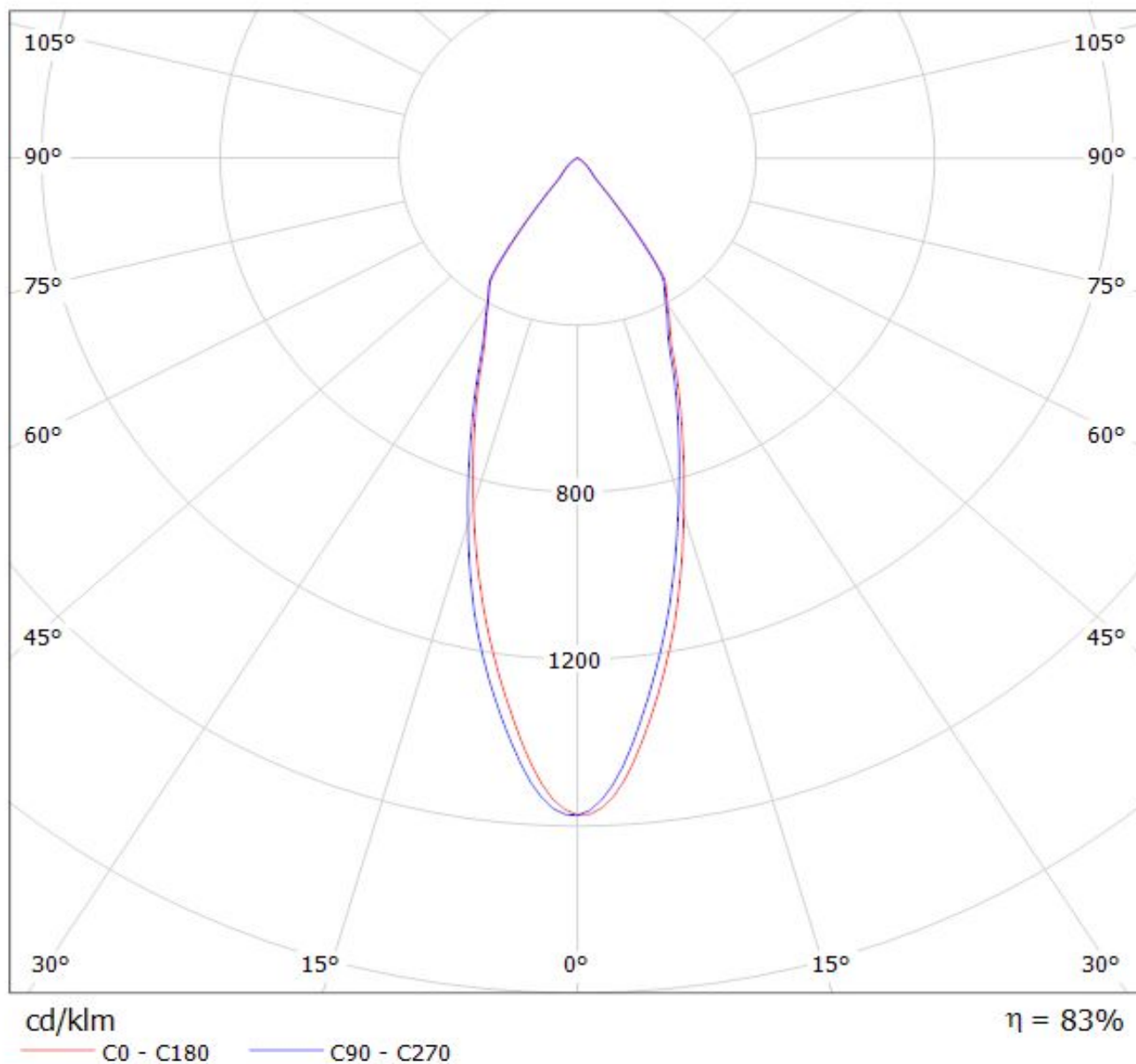


Luminaire: LEDiL F13381_ANGELA-W_(WU-M-464)
Lamps: 1 x Vossloh-Schwabe WU-M-464-827 1480lm@250mA



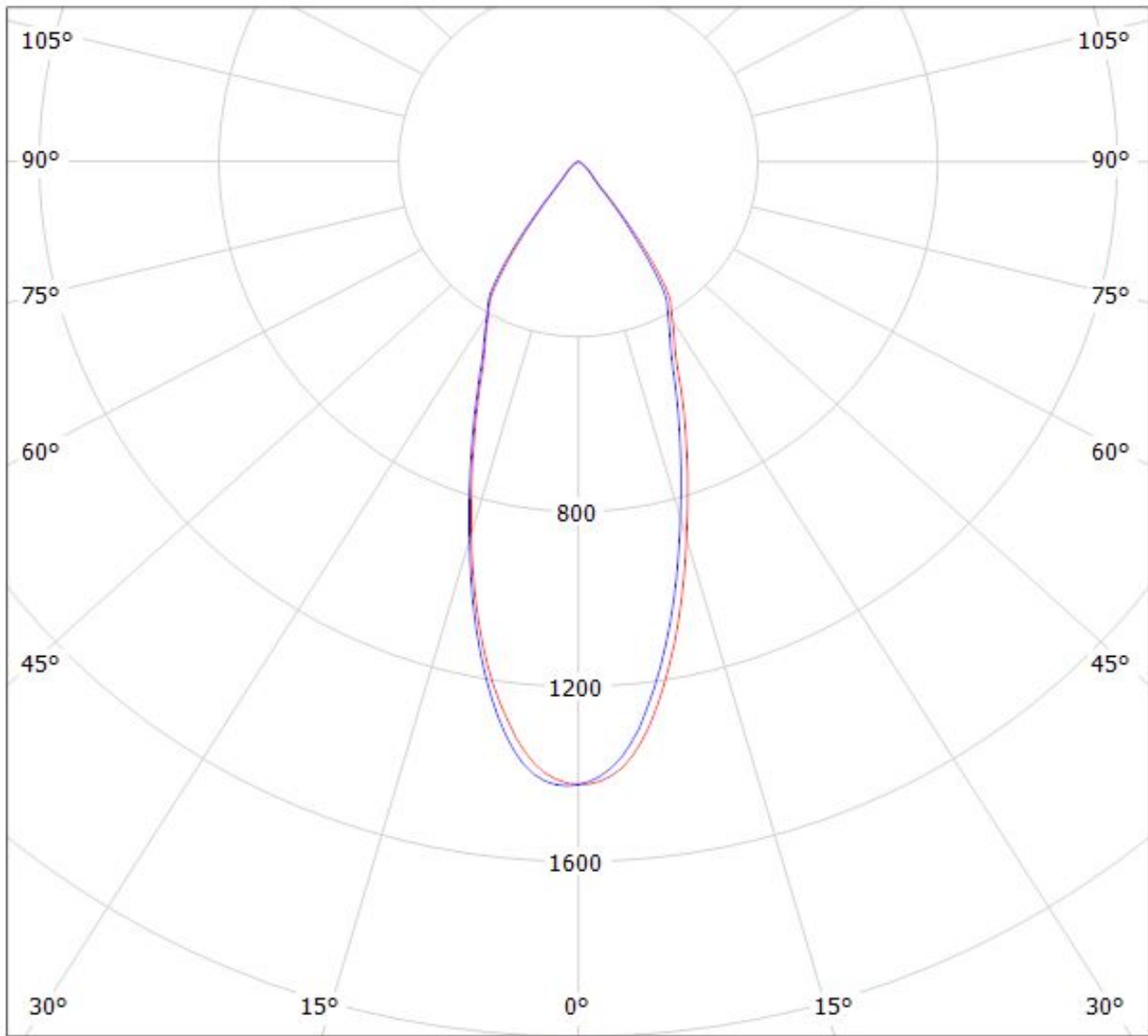
Luminaire: LEDiL Oy F13381_ANGELA-W_(WU-M-484)

Lamps: 1 x Vossloh_Schwabe-WU-M-484_(WU-M-484-830)_657.721lm@250mA_P=5.59451W_I=249.9mA



Luminaire: LEDiL Oy F13381_ANGELA-W_(WU-M-485)

Lamps: 1 x Vossloh_Schwabe-WU-M-485_(WU-M-485-830)_1209.62lm@250mA_P=8.43849W_I=249.8mA



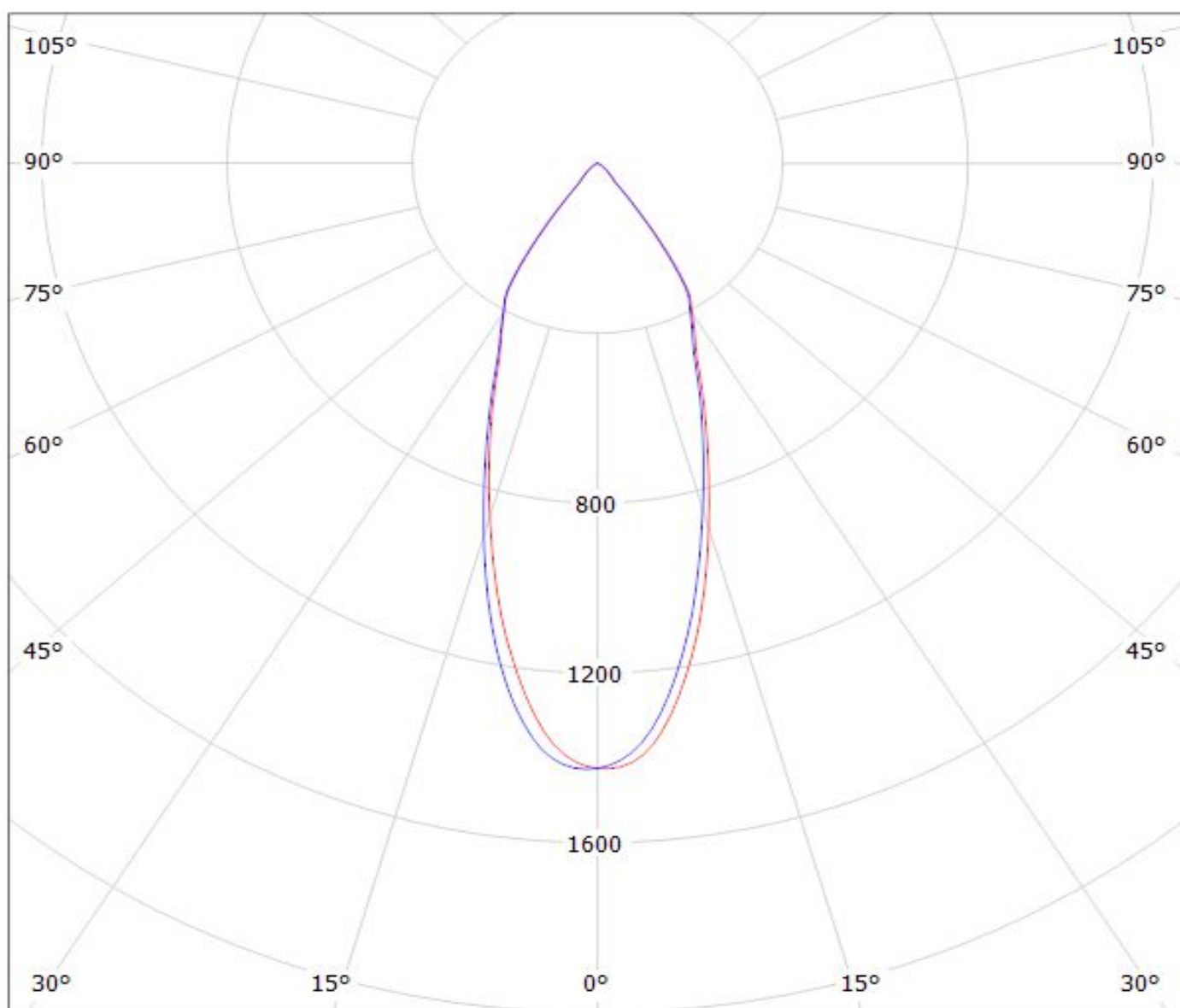
cd/klm

$\eta = 83\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13381_ANGELA-W_(WU-M-486) Eff.83.2%
Lamps: 1 x Vossloh_Schwabe-WU-M-486_(WU-M-486-830)
_1474.55lm@250mA_P=10.4456W_I=249.8mA



cd/klm

— C0 - C180 — C90 - C270

$\eta = 83\%$

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.