PRODUCT DATASHEET
Winnie series
last update 11/11/2015

DETAILS

Product Number	CN14236_WINNIE-S
Family	Winnie
Type	Assembly
Color	white
Diameter	49,8 mm
Height	19,3 mm
Style	round
Optic Material	PMMA
Holder Material	PC
Fastening	screw
Status	production ready
ROHS Comliant	Yes
Date Updated	18/03/2015

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
CXM-14	sim: 30	Spot	sim: 88 %	sim: 1.900	Bender Wirth: 433 Typ L5
CXM-9	sim: 20	Spot	sim: 88 %	sim: 3.400	Bender Wirth: 434 Typ L5
ZC4/6	sim: 20	Spot	sim: 88 %	sim: 3.400	Bender Wirth: 434 Typ L5
LUXEON CoB 105/107/109	sim: 15	Spot	sim: 89 %	sim: 5.760	-
Soleriq S9	sim: 22	Spot	sim: 89 %	sim: 3.500	-
LC010C	sim: 12	Spot	sim: 88 %	sim: 10.100	Bender Wirth: 479 Typ L5
LC020C	sim: 20	Spot	sim: 89 %	sim: 4.000	Bender Wirth: 479 Typ L5
LC040C	sim: 26	Spot	sim: 87 %	sim: 2.500	Bender Wirth: 479 Typ L5
CXA/B 13xx	sim: 12	Spot	sim: 88 %	sim: 10.100	Bender Wirth: 448 Typ L5
LUXEON CoB 1202s	15 deg	Spot	89 %	5.760	-
CLU700	15 deg	Spot	90 %	5.700	Bender Wirth: 434 Typ L5
CLU700	15 deg	Spot	89 %	5.000	-
SLE G5 LES6	15 deg	Spot	87 %	5.100	-
CLL01x	16 deg	Spot	87 %	5.400	-
Soleriq P6	17 deg	Spot	88 %	5.300	-
CXA/B 13xx	18 deg	Spot	89 %	4.690	-
CLU710	18 deg	Spot	90 %	3.700	-
Duris S10	18 deg	Spot	88 %	4.000	-
CLU710	18 deg	Spot	90 %	3.700	-
CLU710	18 deg	Spot	88 %	3.900	Bender Wirth: 470 Typ L5
CXA/B 15xx	20 deg	Spot	87 %	3.680	-
Soleriq P9	20 deg	Spot	89 %	3.800	-
LUXEON CoB 1202/1203	20 deg	Spot	87 %	3.730	-
CLL02x/CLU02x (LES10)	20 deg	Spot	88 %	3.400	Bender Wirth: 434 Typ L5
VERO10	21 deg	Spot	89 %	3.000	-

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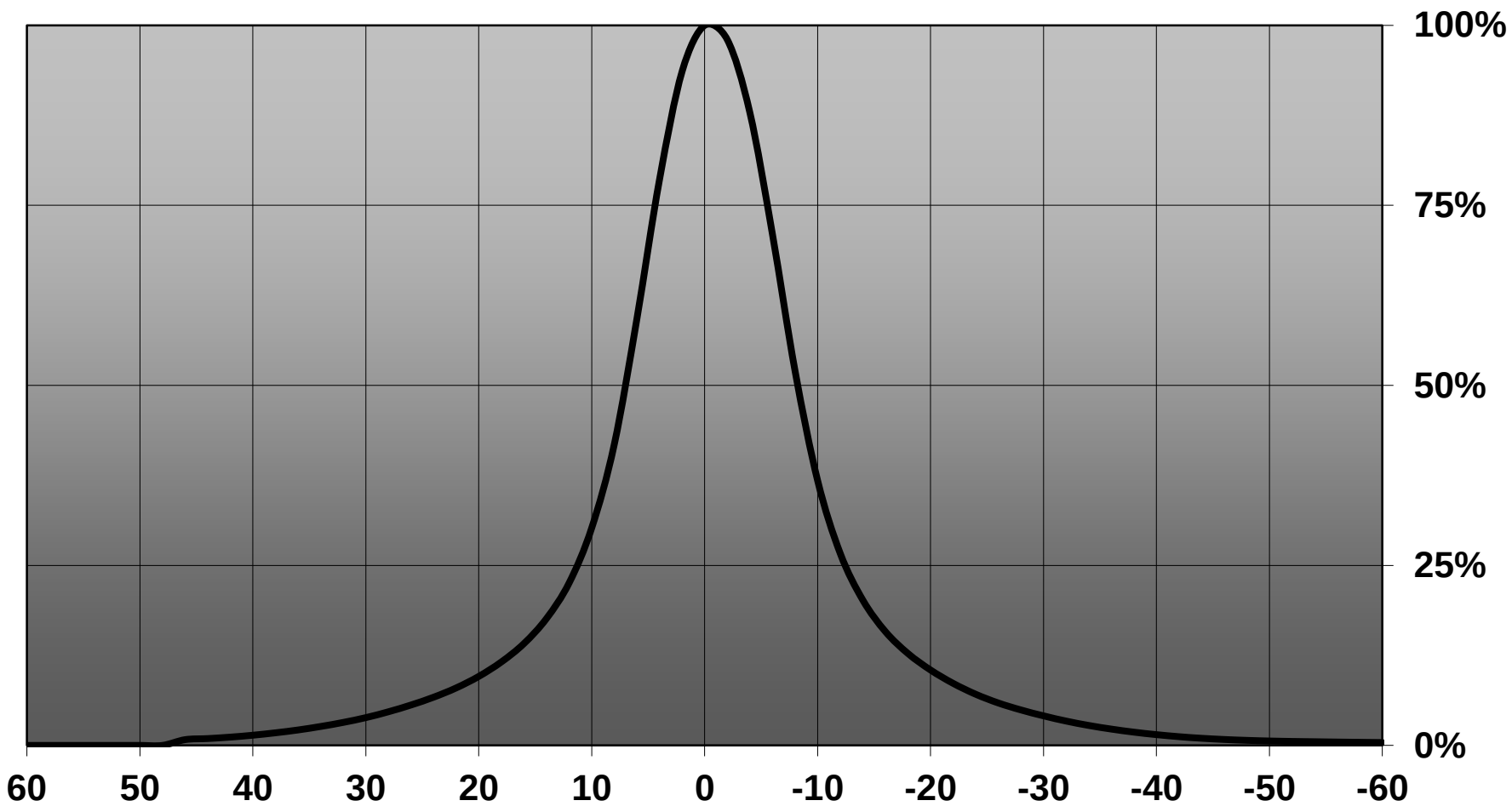
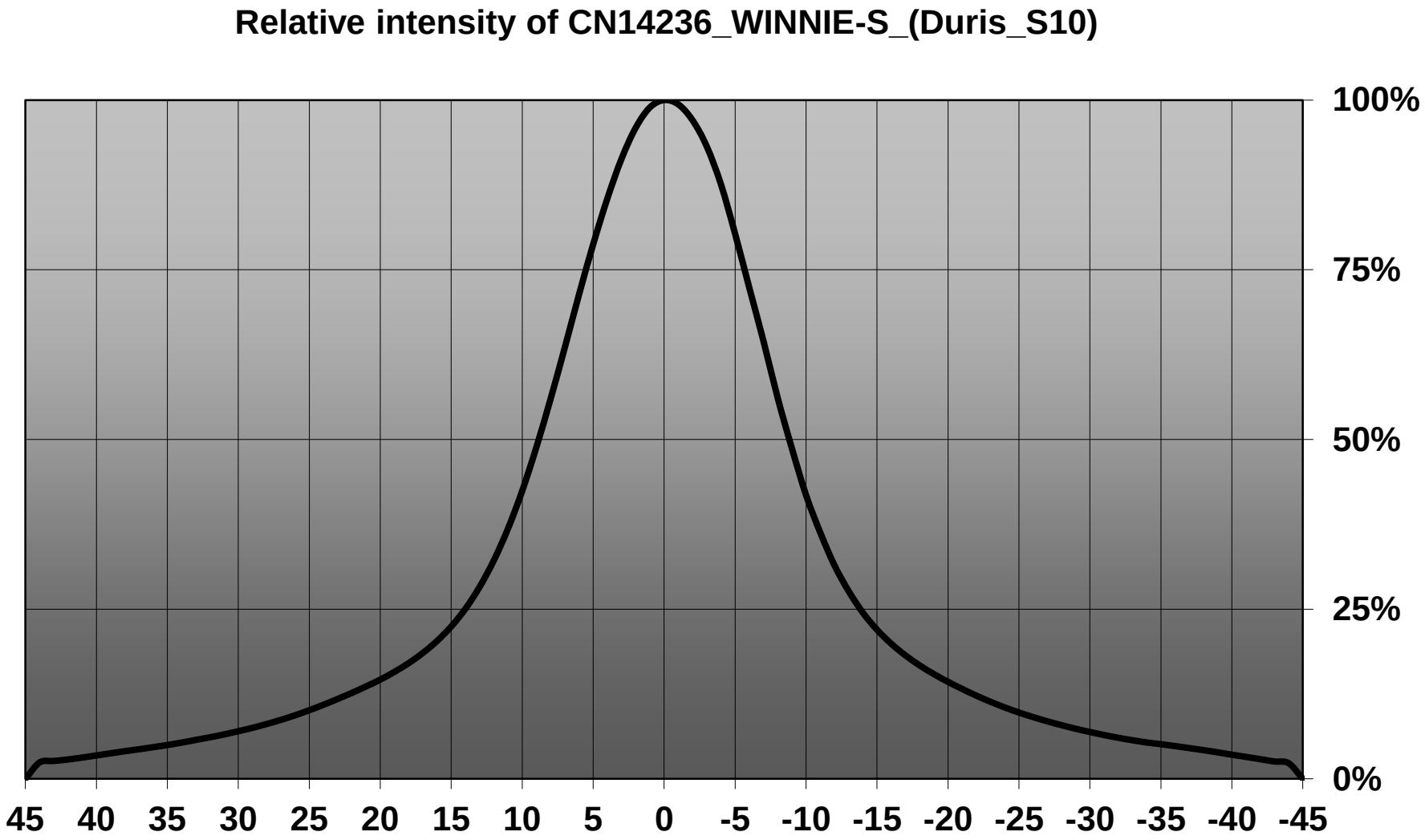
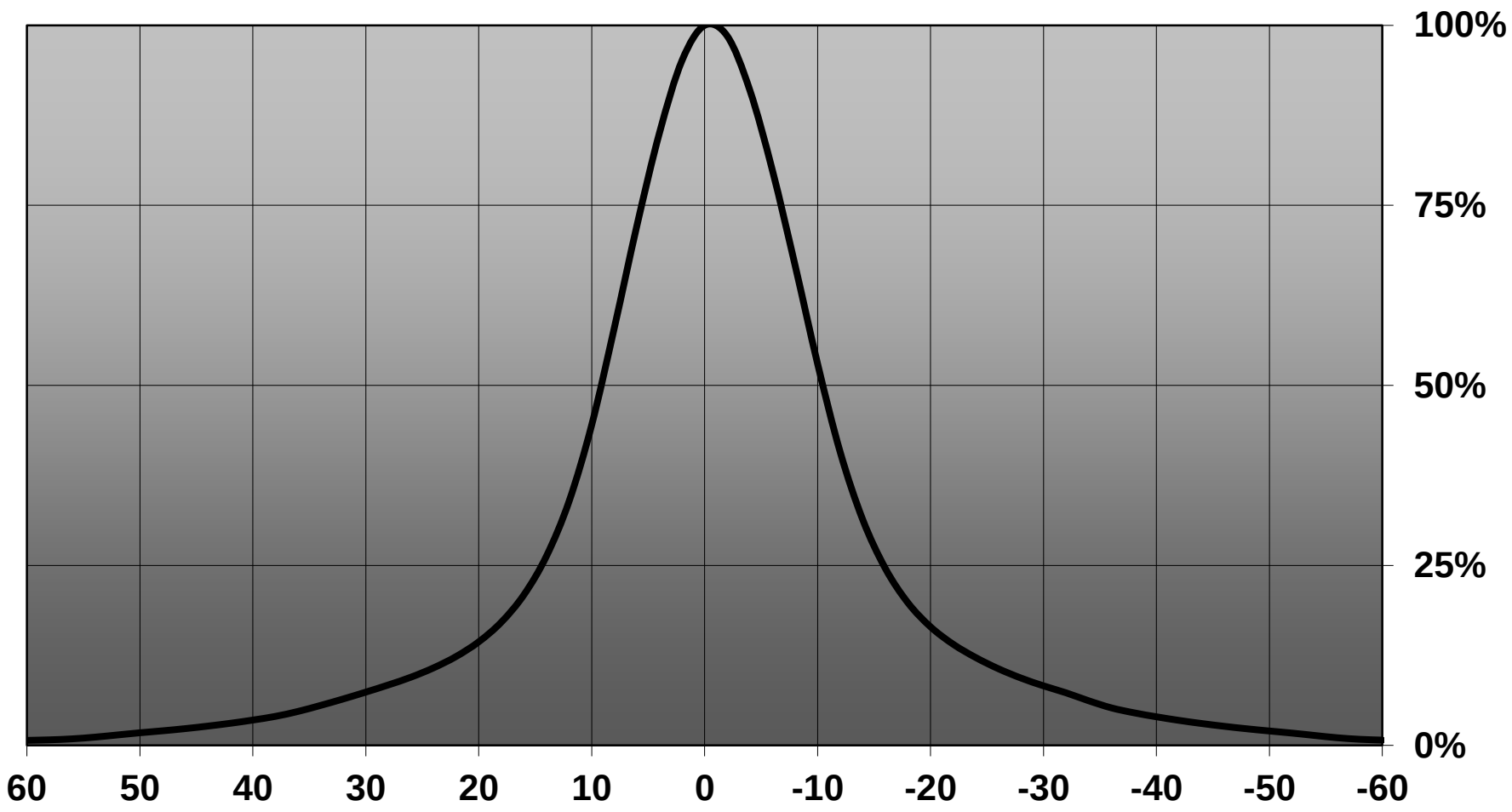
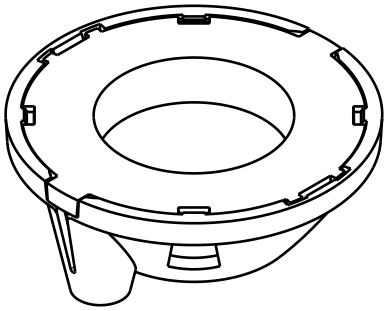
Relative intensity of CN14236_WINNIE-S_(Luxeon Cob Mini)



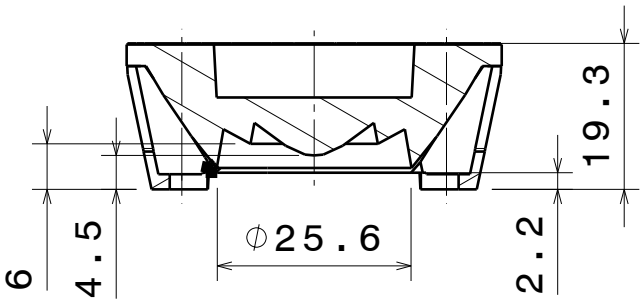

Relative intensity of CN14236_WINNIE-S_(Duris_S10)
100%
75%
50%
25%
0%
45 40 35 30 25 20 15 10 5 0 -5 -10 -15 -20 -25 -30 -35 -40 -45

Relative intensity of CN14236_WINNIE-S_(Luxeon Cob 1203)

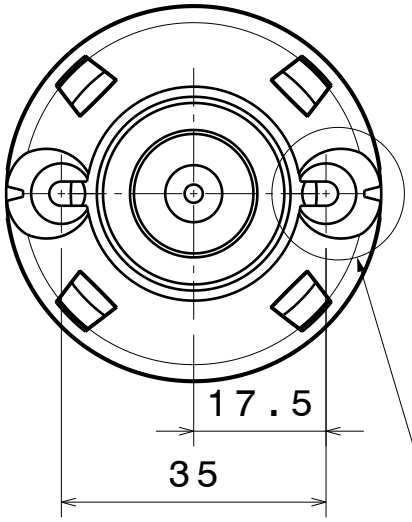




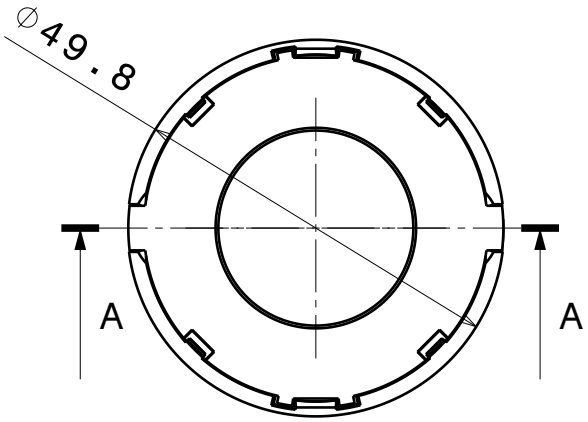
Isometric view



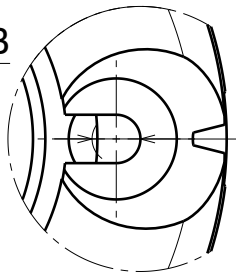
Section view A-A



Bottom view



Top view

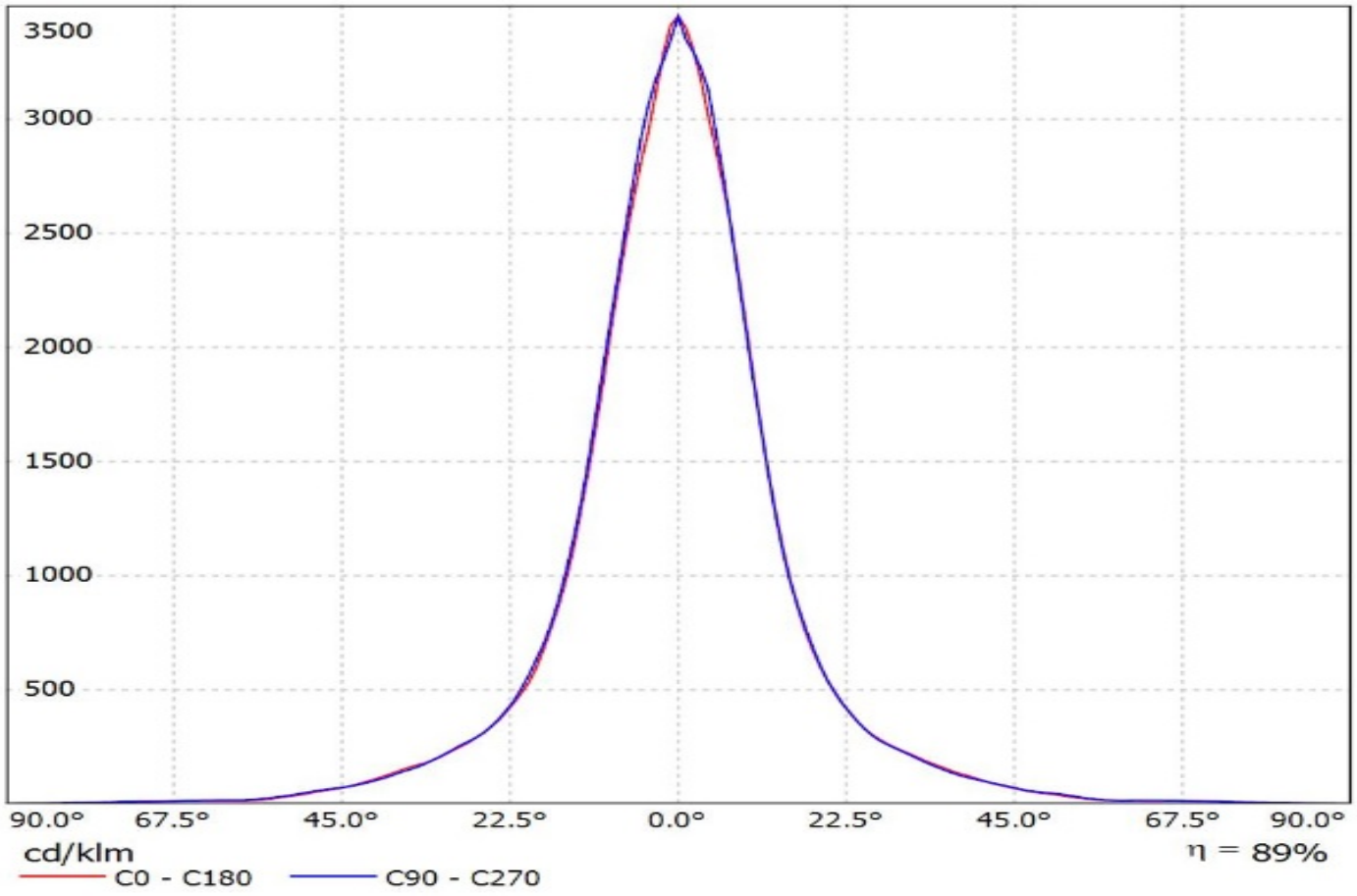


⌀3.2
fastening with M3
pan head screws

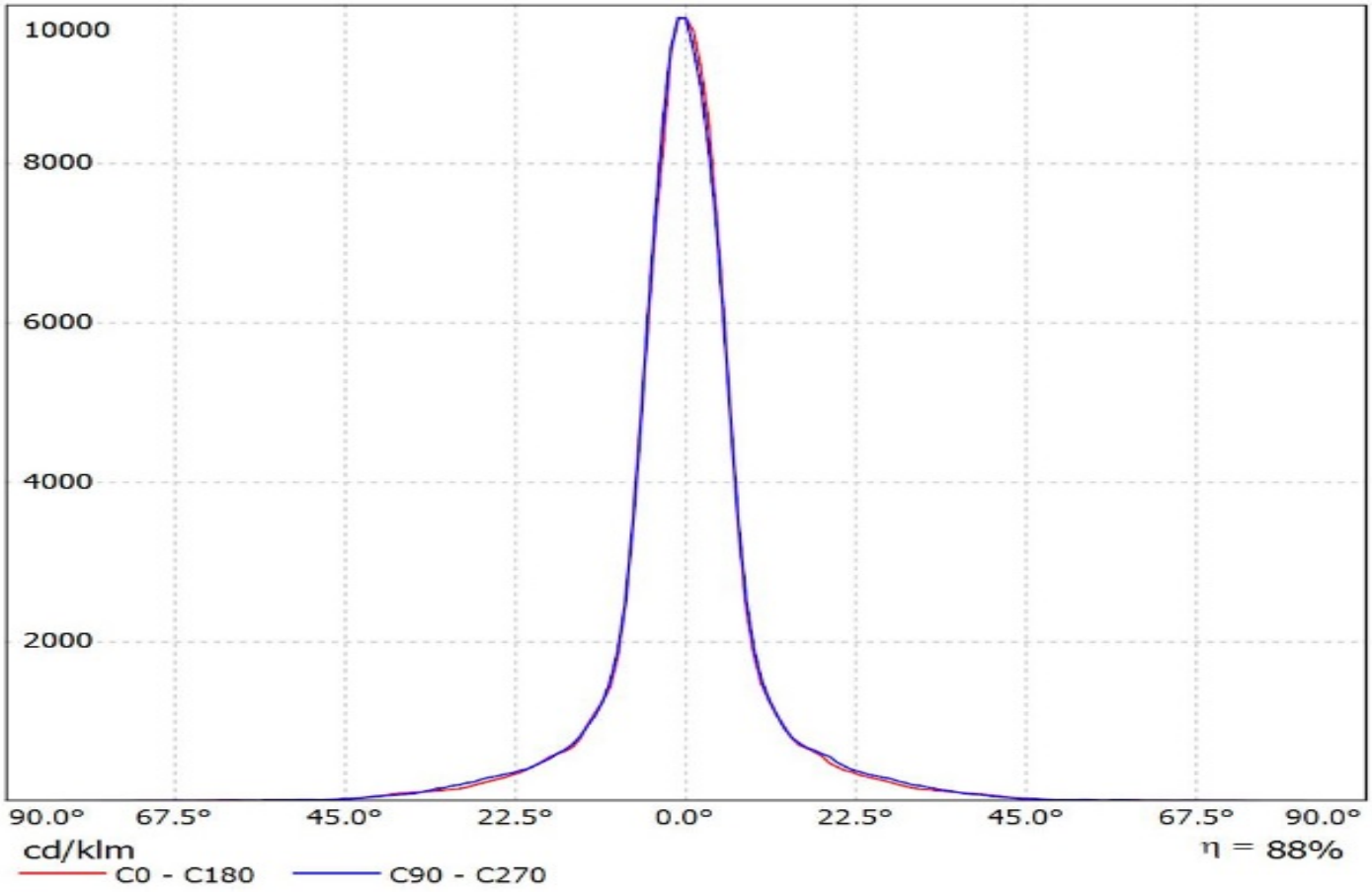
Materials
Lens: PMMA 8N
Holder: PC Makrolon 2407, white

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 Oy Salorankatu 10 FIN 24240 SALO Finland
THIRD ANGLE PROJECTION:	DRAWING TITLE Datasheet CN14236_Winnie-S assy
	SIZE: A4 / PART NUMBER: CN14236
	SCALE 1:1 / WEIGHT / SHEET 1/1

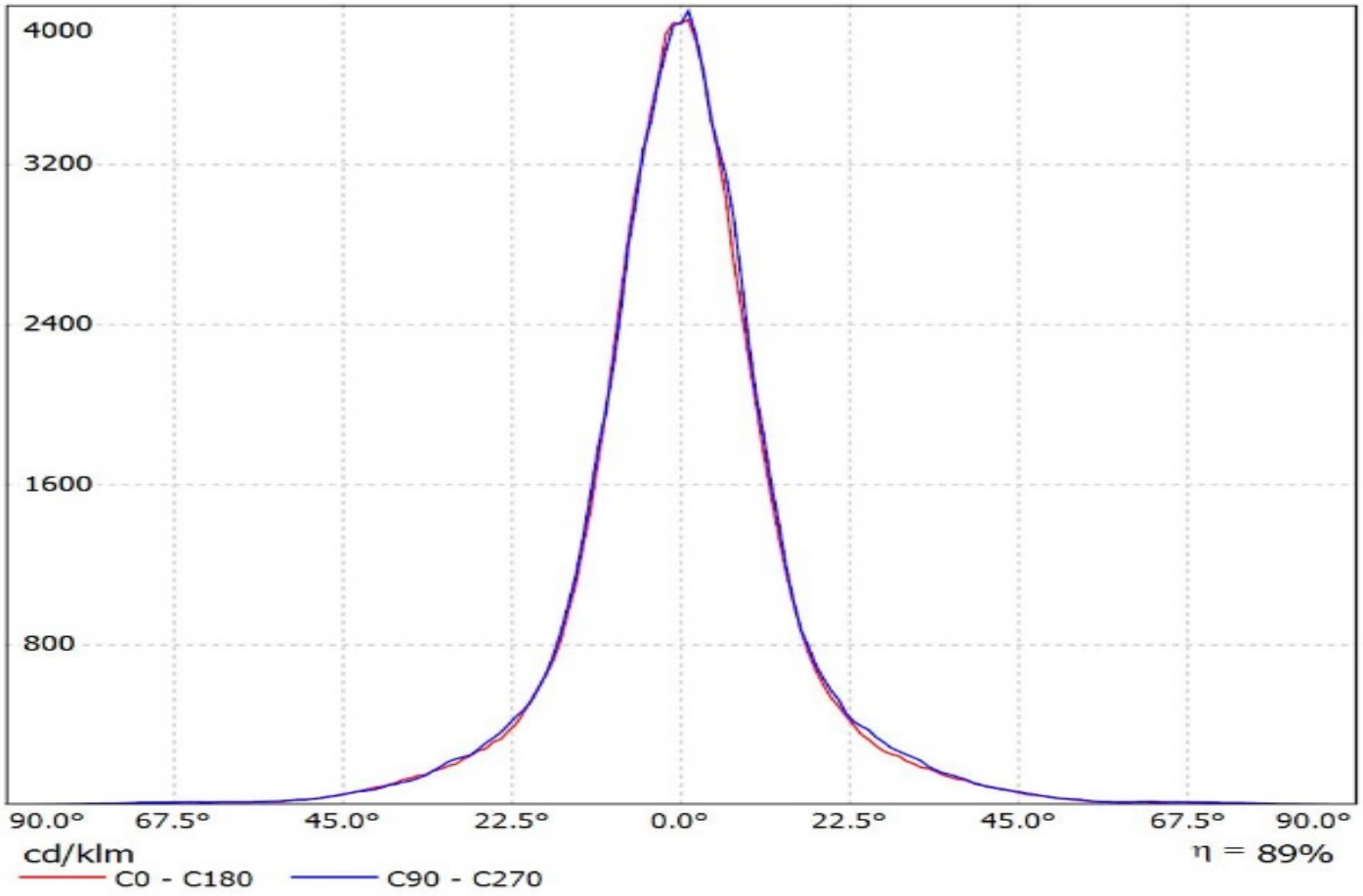
Luminaire: Ledil Oy CN14236_WINNIE-S_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



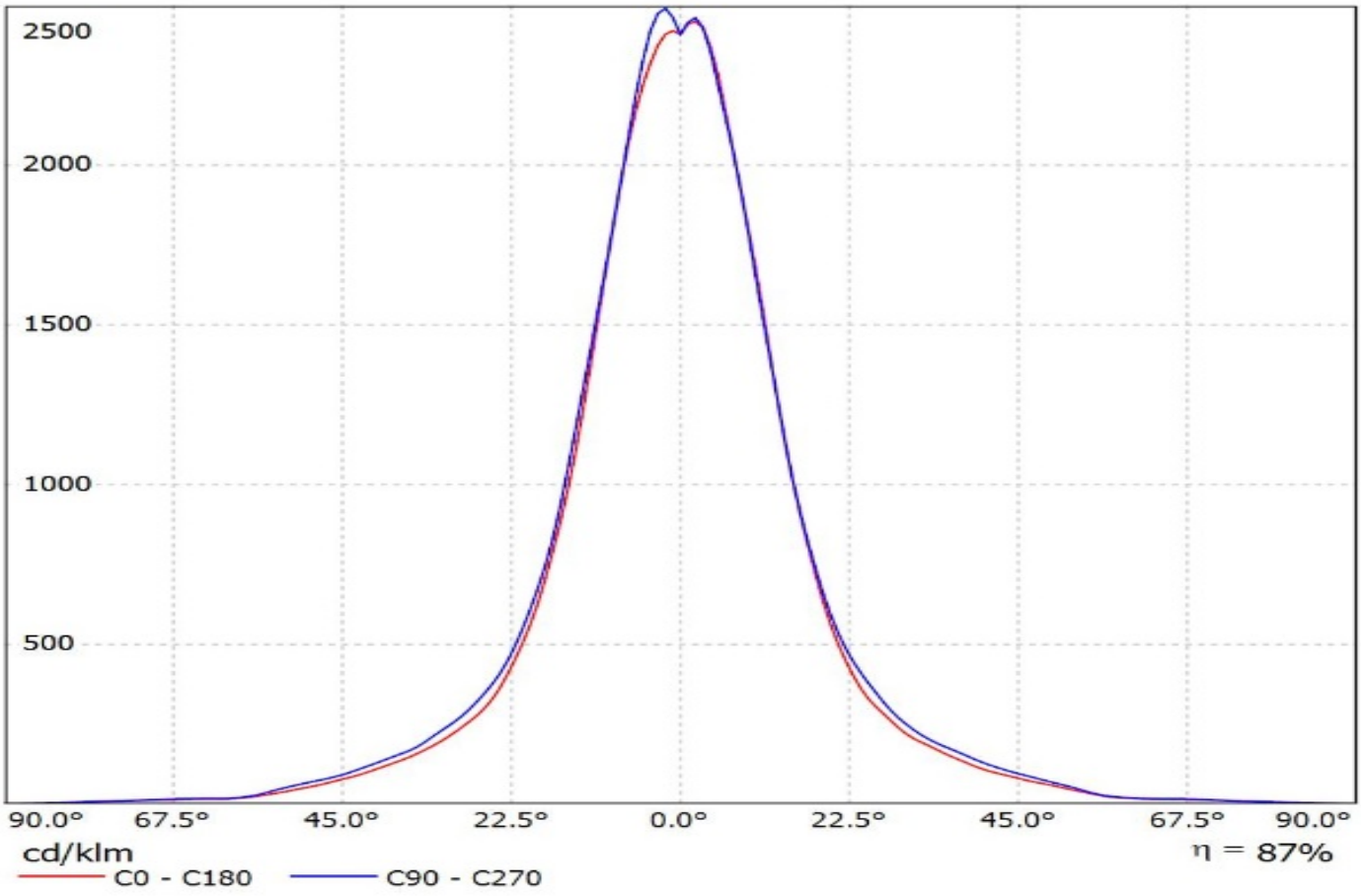
Luminaire: Ledil Oy CN14236_WINNIE-S_(LC010C)__(479_type_L5)_SIMULATED
Lamps: 1 x Samsung LC010C + Bender & Wirth 479 Type L5



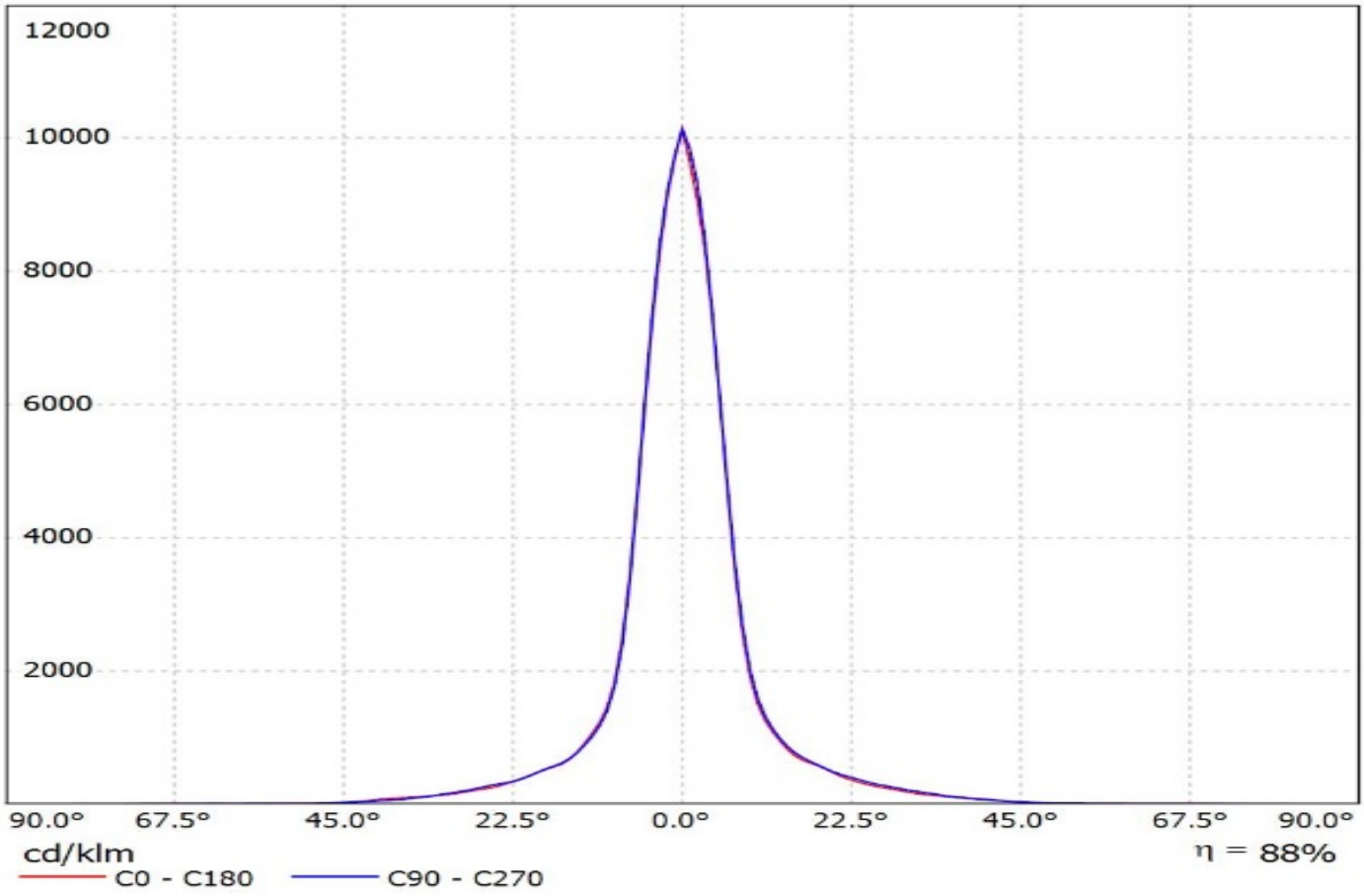
Luminaire: Ledil Oy CN14236_WINNIE-S_(LC020C)_(B+W_479_Typ_L5)_SIMULATED
Lamps: 1 x Samsung LC020C



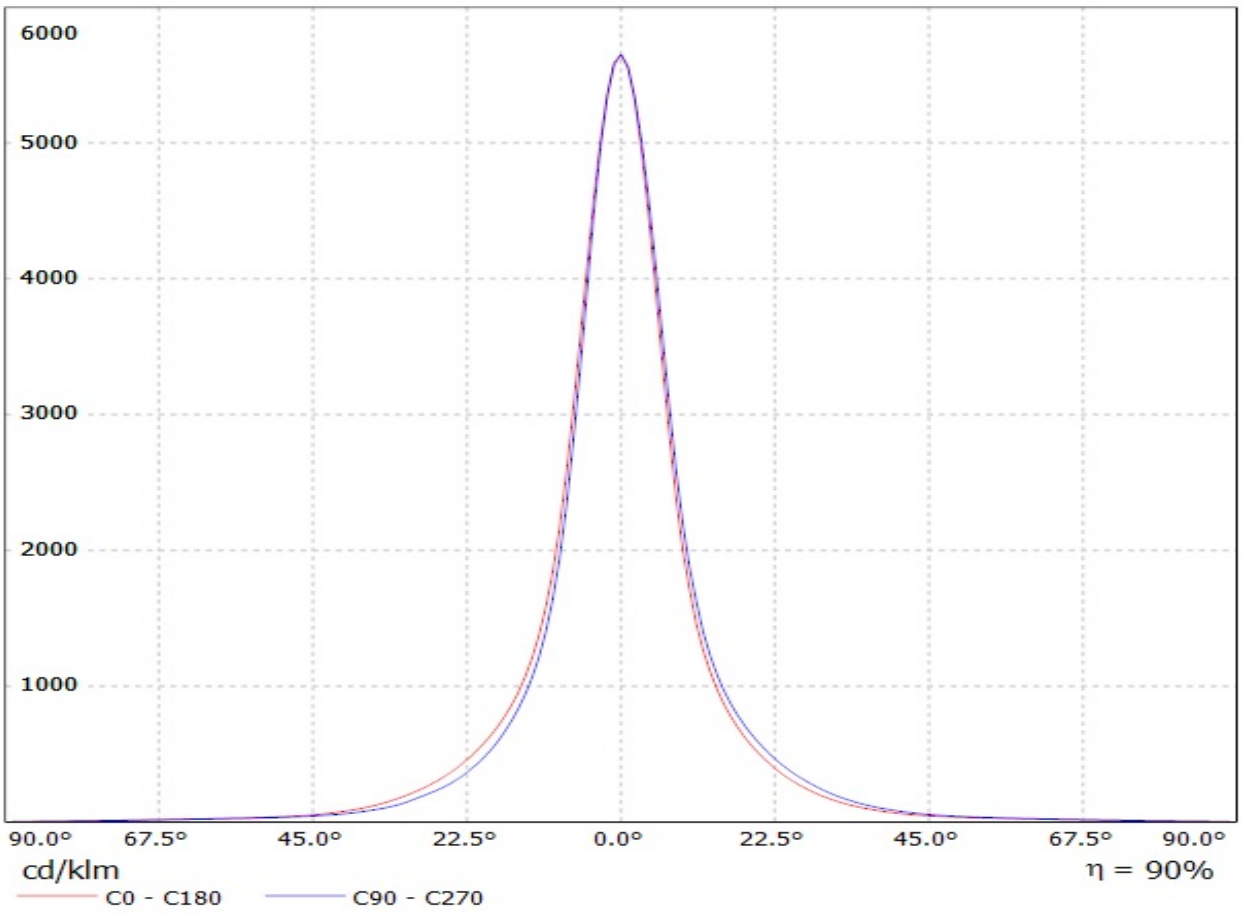
Luminaire: Ledil Oy CN14236_WINNIE-S_(LC040C)_(B+W_479_Typ_L5)_SIMULATED
Lamps: 1 x Samsung LC040C



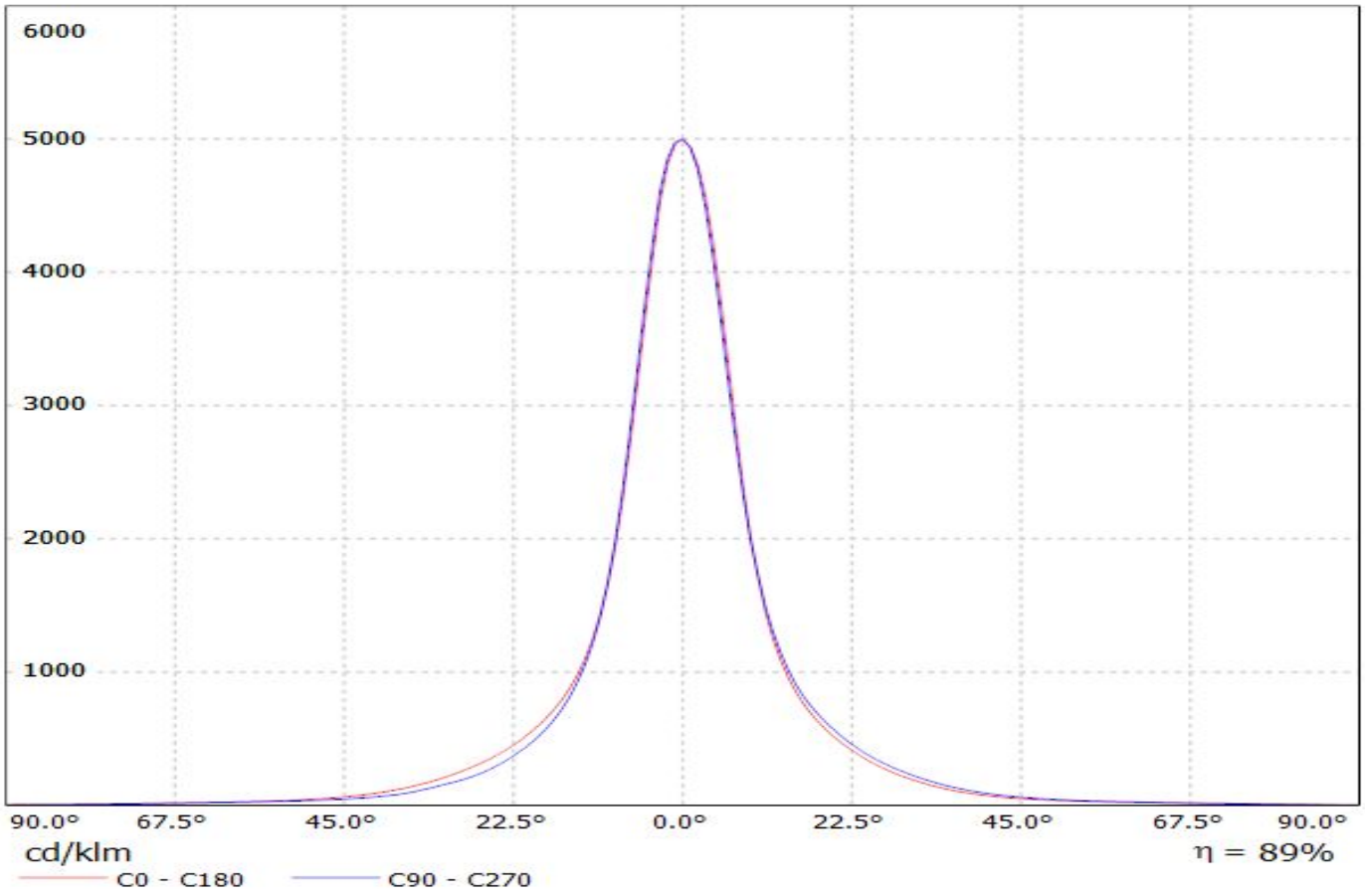
Luminaire: Ledil Oy CN14236_WINNIE-S_(CXA1310)_(448_type_L5)_SIMULATED
Lamps: 1 x Cree CXA1310



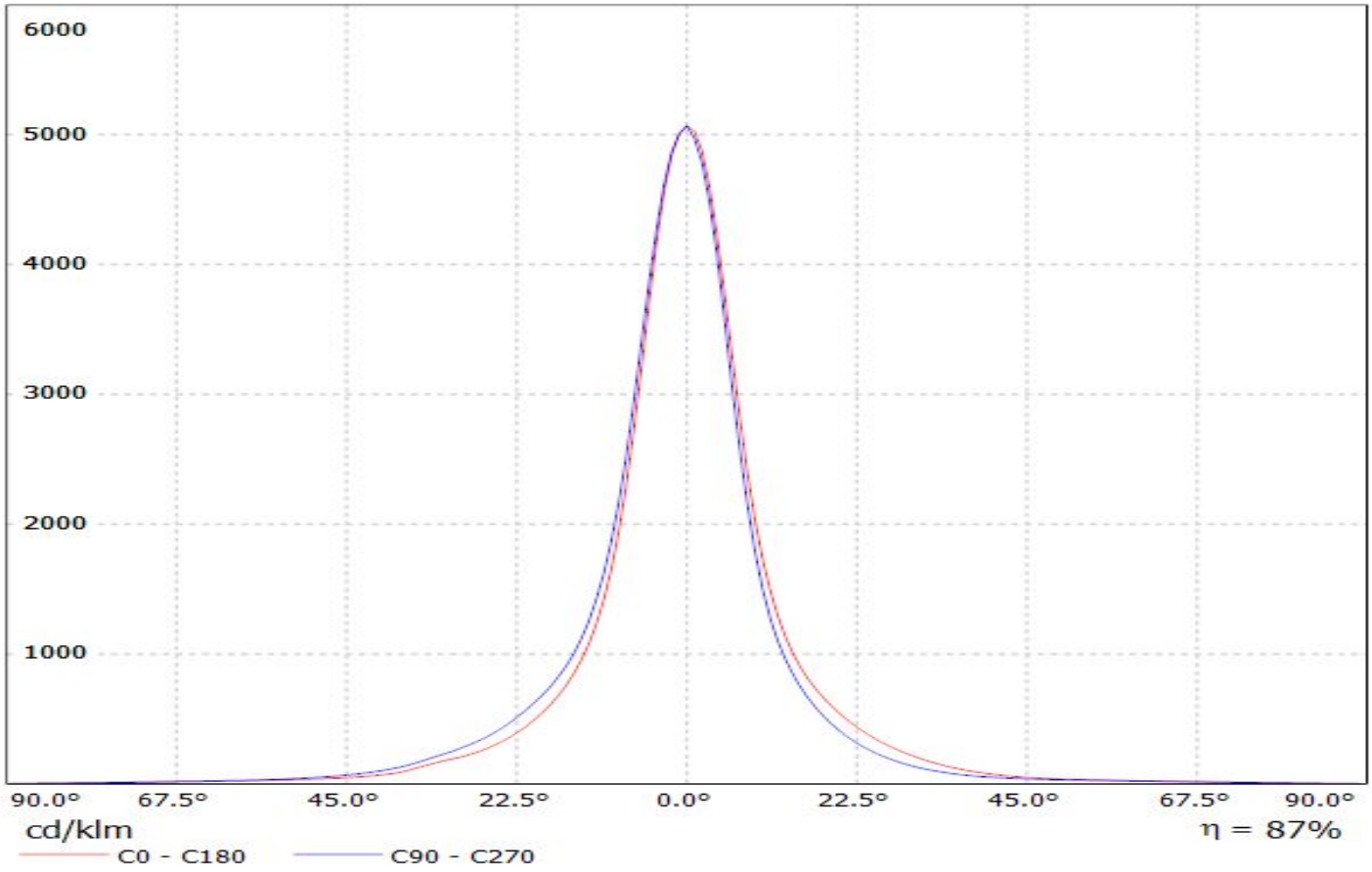
Luminaire: LEDiL Oy CN14236_WINNIE-S_(CLU700)_434-Typ-L5
Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_434_Typ_L5_377.008lm@100mA_P=2.82212W_I=0.1001A



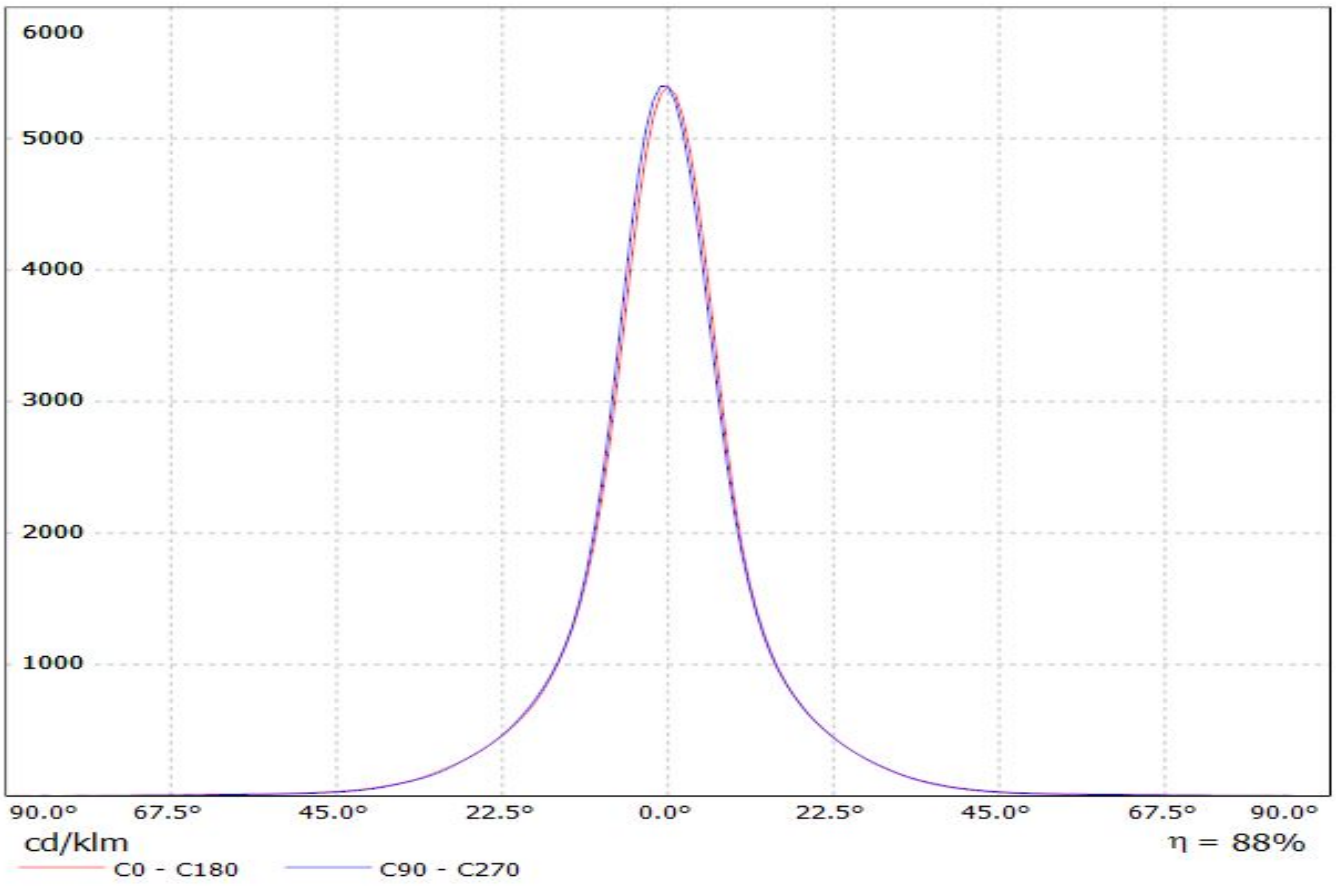
Luminaire: LEDiL Oy CN14236_WINNIE-S_(CLU700)
Lamps: 1 x Citizen_CLU700_367.467lm@100mA_P=2.77574W_I=0.1002A



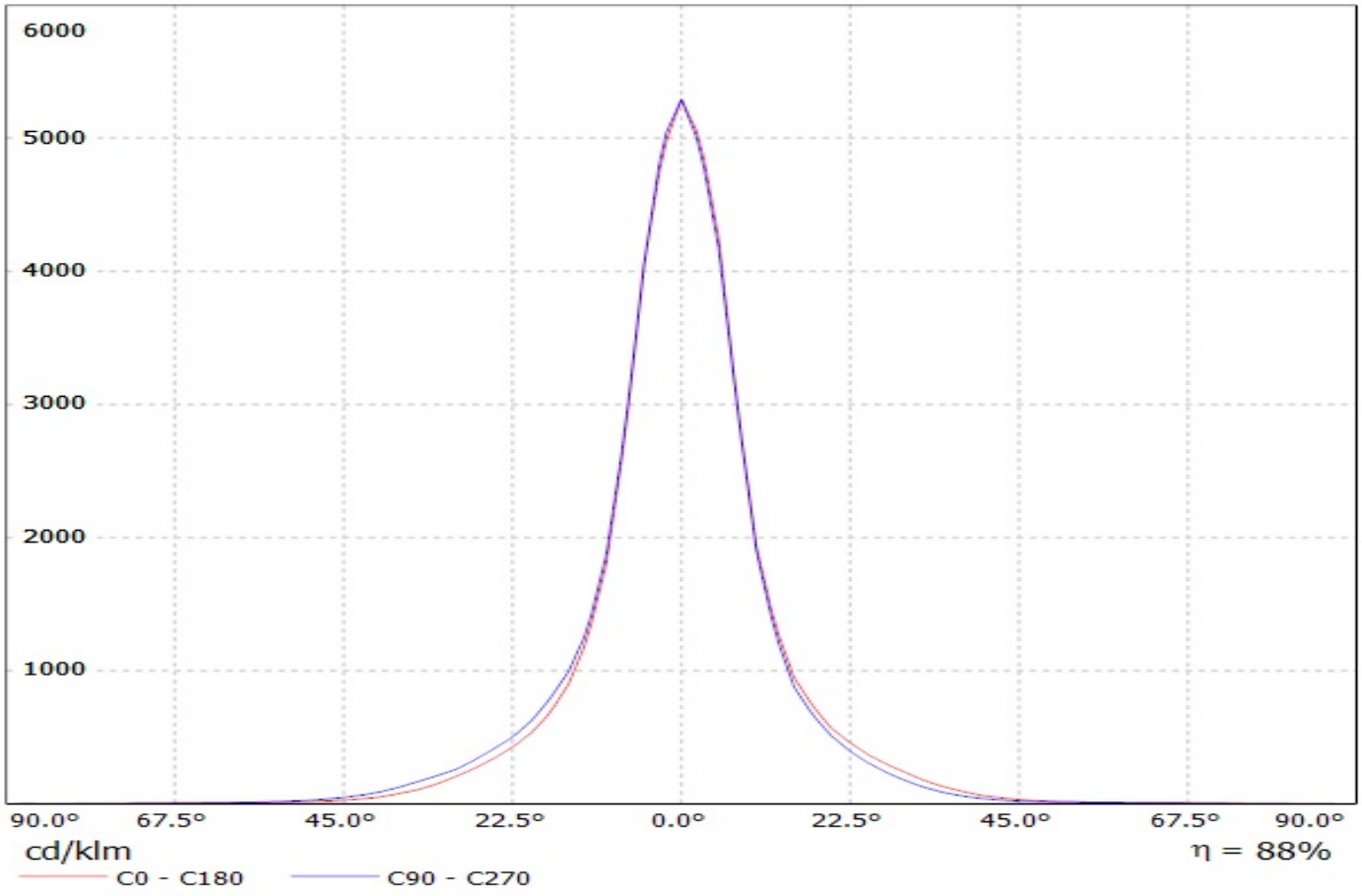
Luminaire: LEDiL Oy CN14236_WINNIE-S_(SLE-G5_LES-6)
Lamps: 1 x Tridonic_SLE-G5_LES-6_472.41lm@100mA_P=3.3763W_I=0.100A



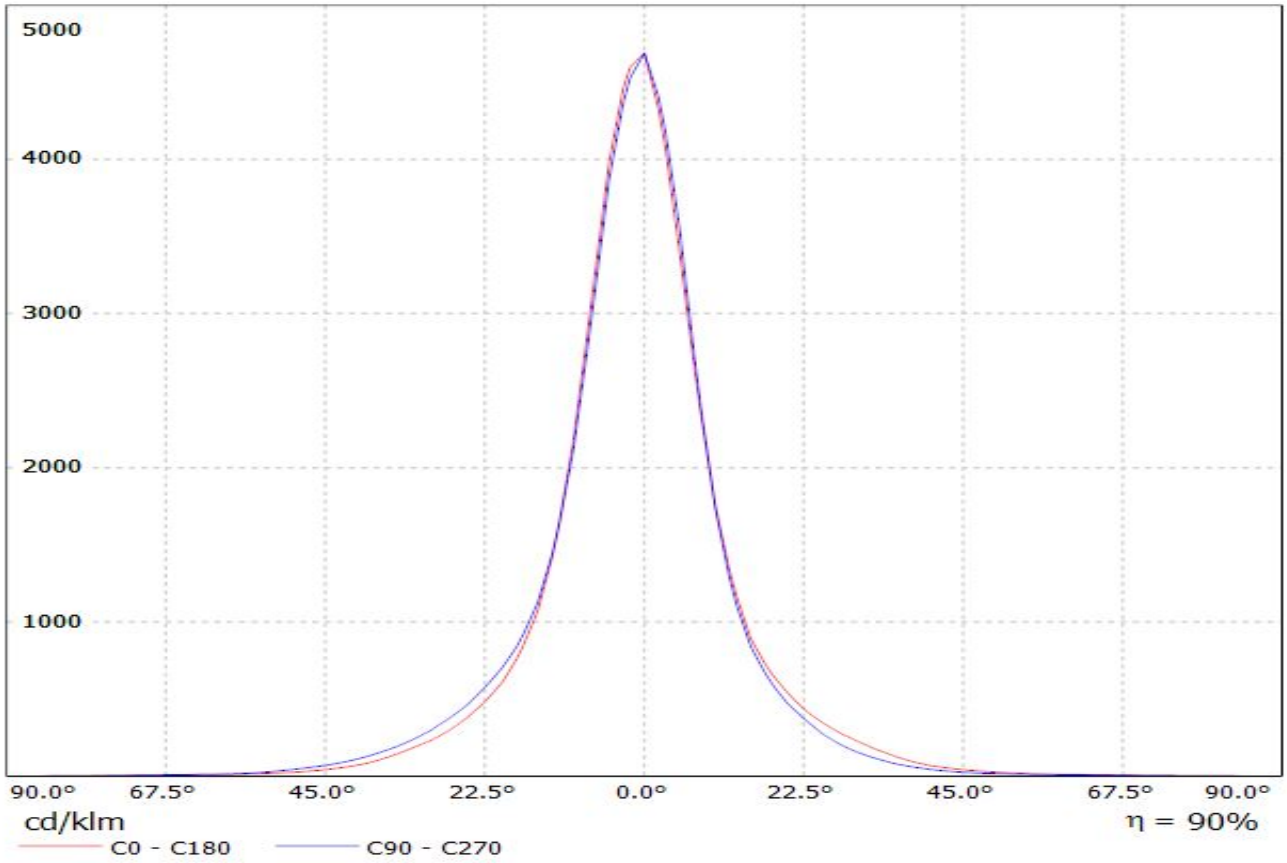
Luminaire: Ledil Oy CN14236_WINNIE-S_(CLL010) Efficiency=87%
Lamps: 1 x Citizen CLL010 (CLL010-035A1-303M1A2) 199lm @ 250mA CCT=3158K P=2.26W I=250mA



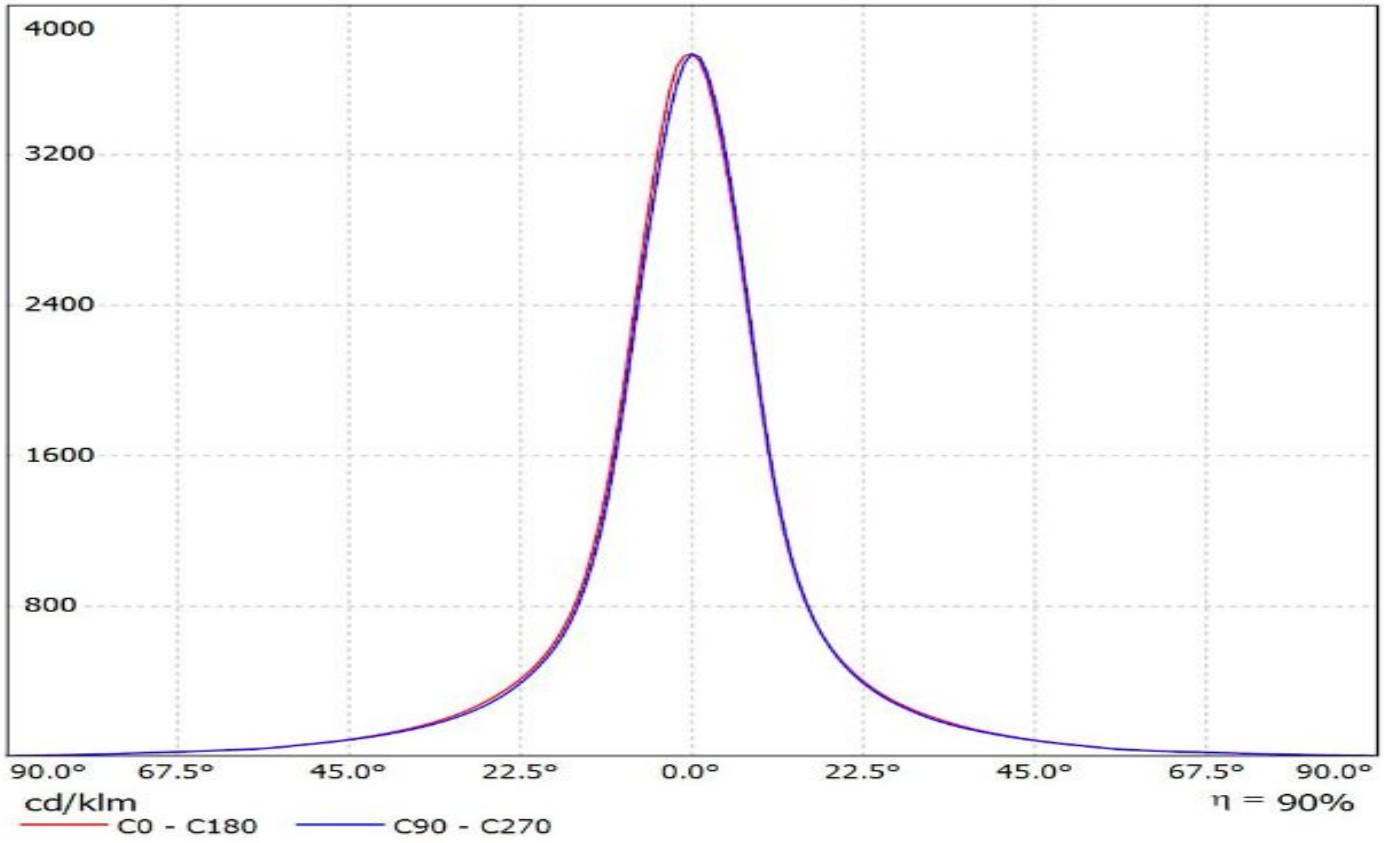
Luminaire: LEDil Oy CN14236_WINNIE-S_(Soleriq_P6)
Lamps: 1 x Osram Soleriq P6 (GW MAEGB1.EM) 577lm @ 250mA CCT=2842K P=6.2W I=250mA



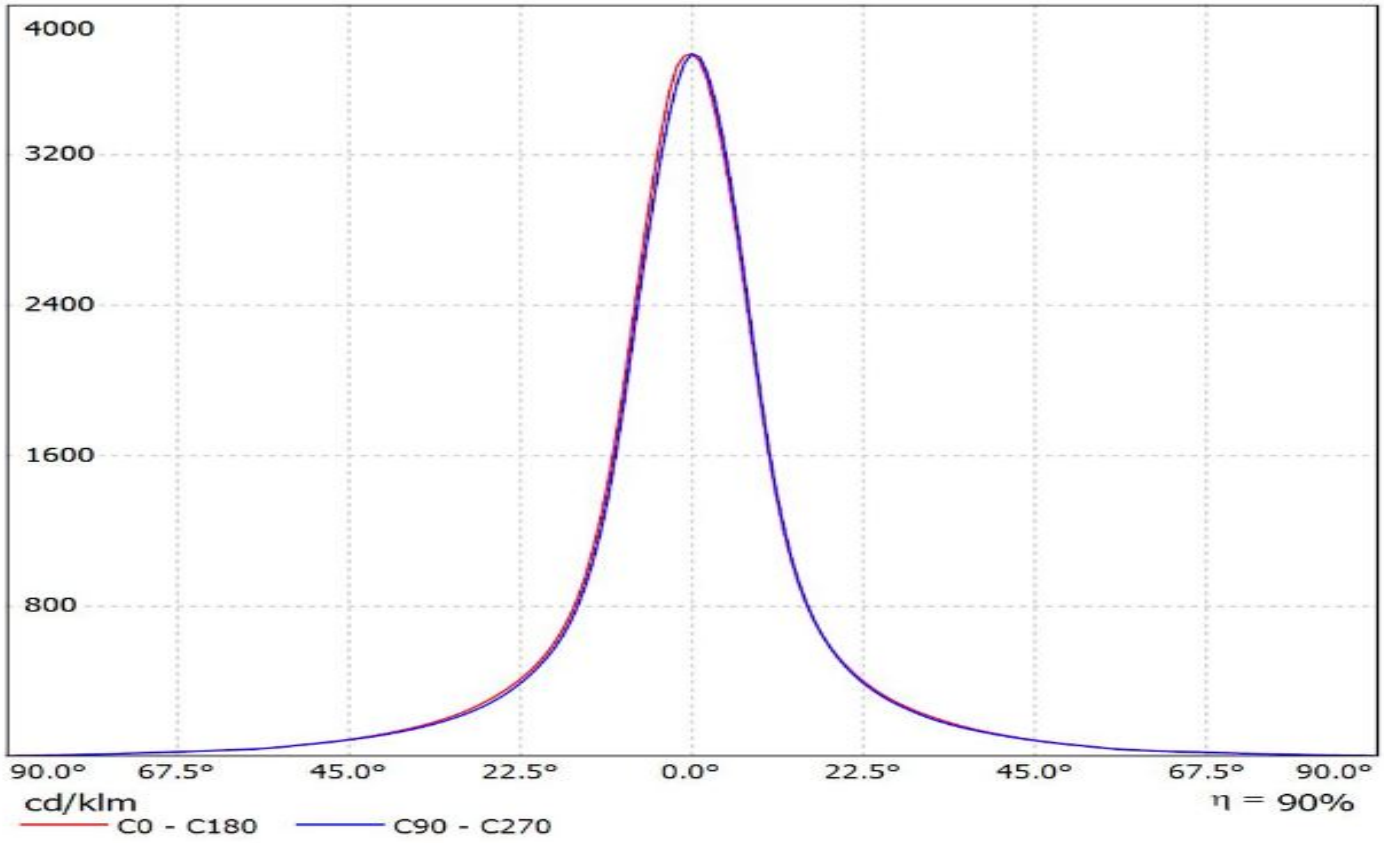
Luminaire: Ledil Oy CN14236_WINNIE-S_(CXA1304) Efficiency=89%
Lamps: 1 x Cree CXA1304 (CXA1304-30F-B2-C0H-00001) 258lm @ 250mA CCT=3095K P=2.20W I=250mA



Luminaire: Ledil CN14236_WINNIE-S_(CLU710)
Lamps: 1 x CITIZEN_CLU710_(CLU710-1204B8-273M2G1)_1210.56lm@250mA_P=8.5W_I=0.25A

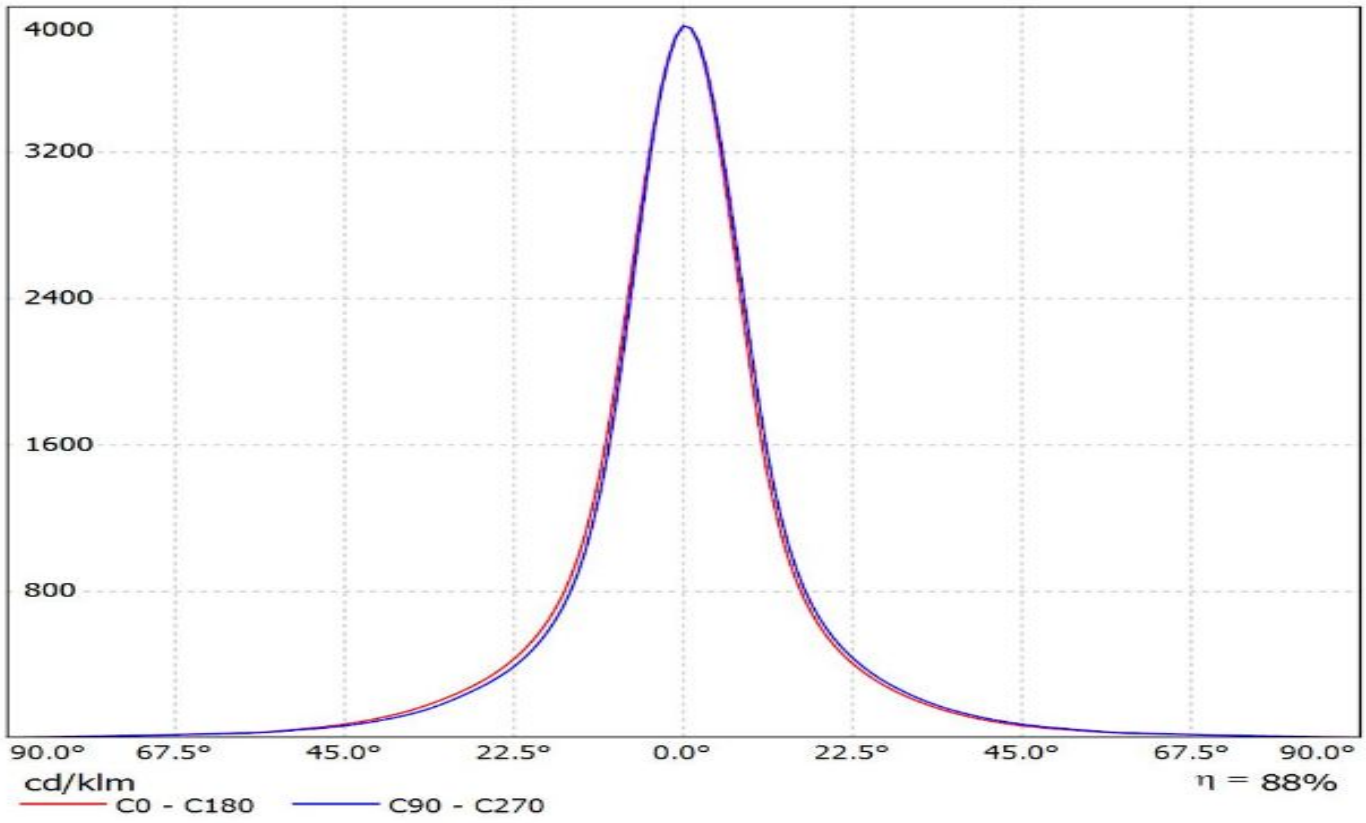


Luminaire: Ledil CN14236_WINNIE-S_(CLU710)
Lamps: 1 x CITIZEN_CLU710_(CLU710-1204B8-273M2G1)_1210.56lm@250mA_P=8.5W_I=0.25A

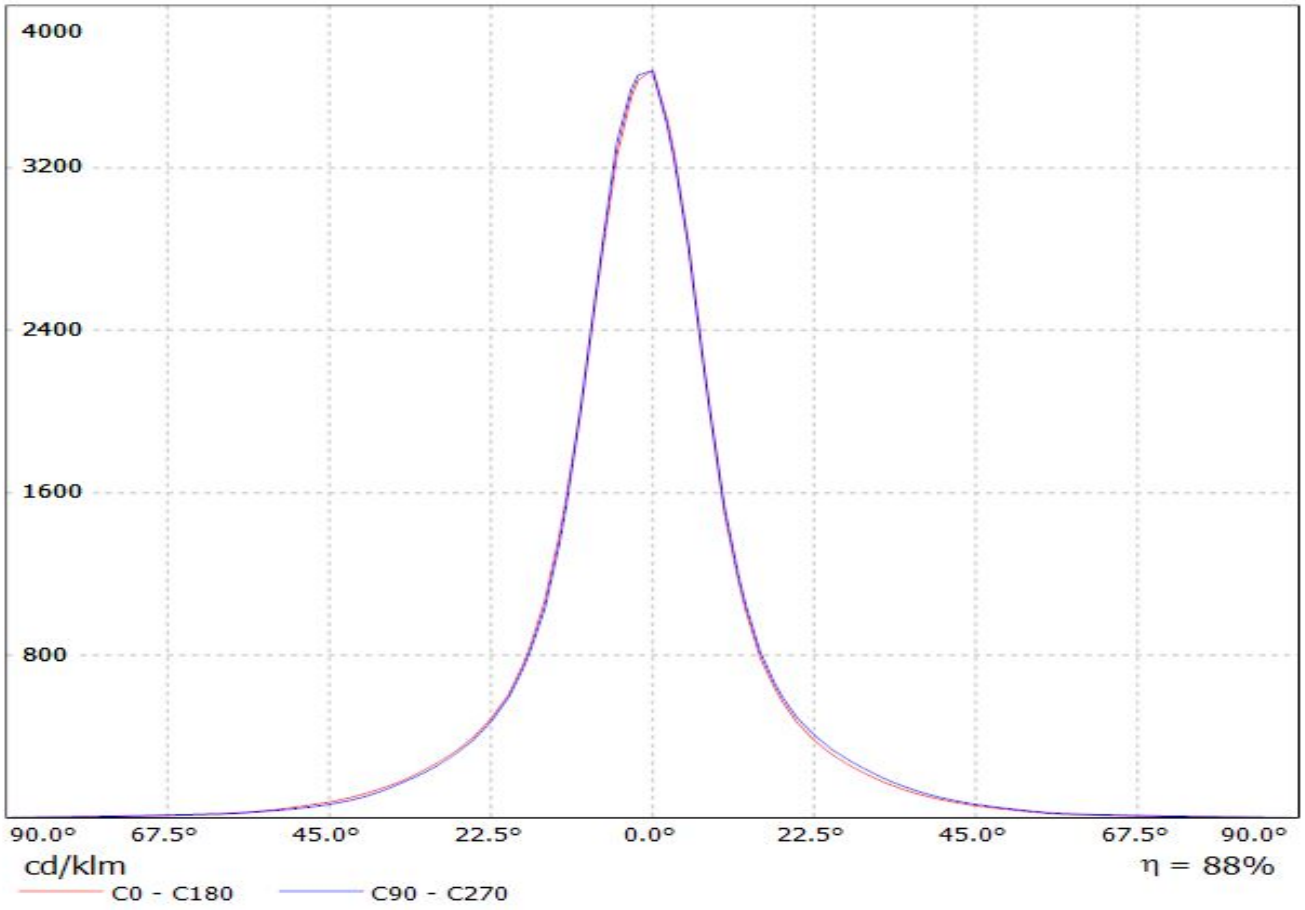


Ledil CN14236_WINNIE-S_(CLU710)_(470_Typ_L5) / LDC (Linear)

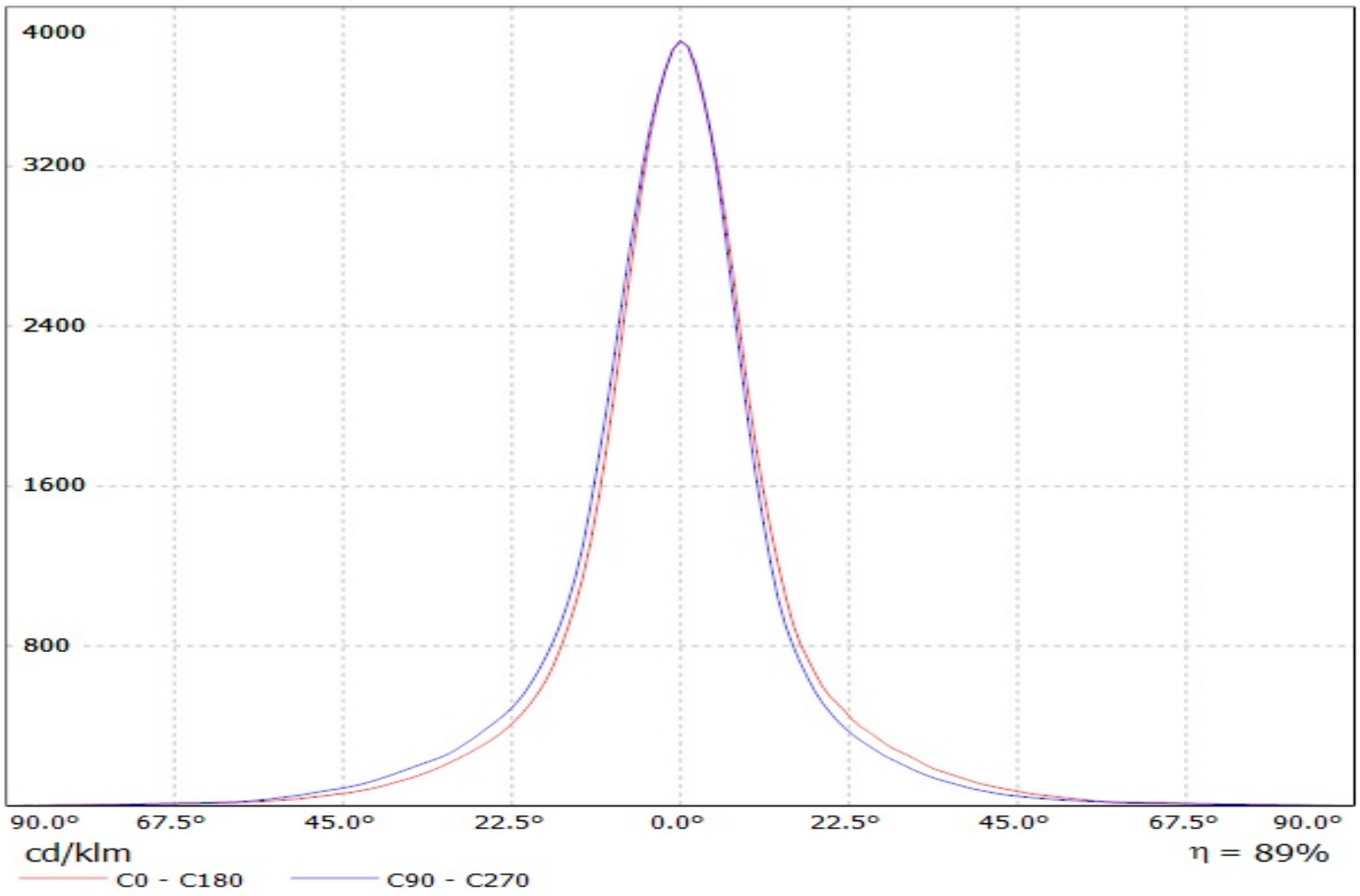
Luminaire: Ledil CN14236_WINNIE-S_(CLU710)_(470_Typ_L5)
Lamps: 1 x Citizen_CLU710_(CLU710-1204B8-273M2G1)_(470_Typ_L5)
_1134.69lm@250mA_CCT=2700K_P=8.5W_I=0.25A



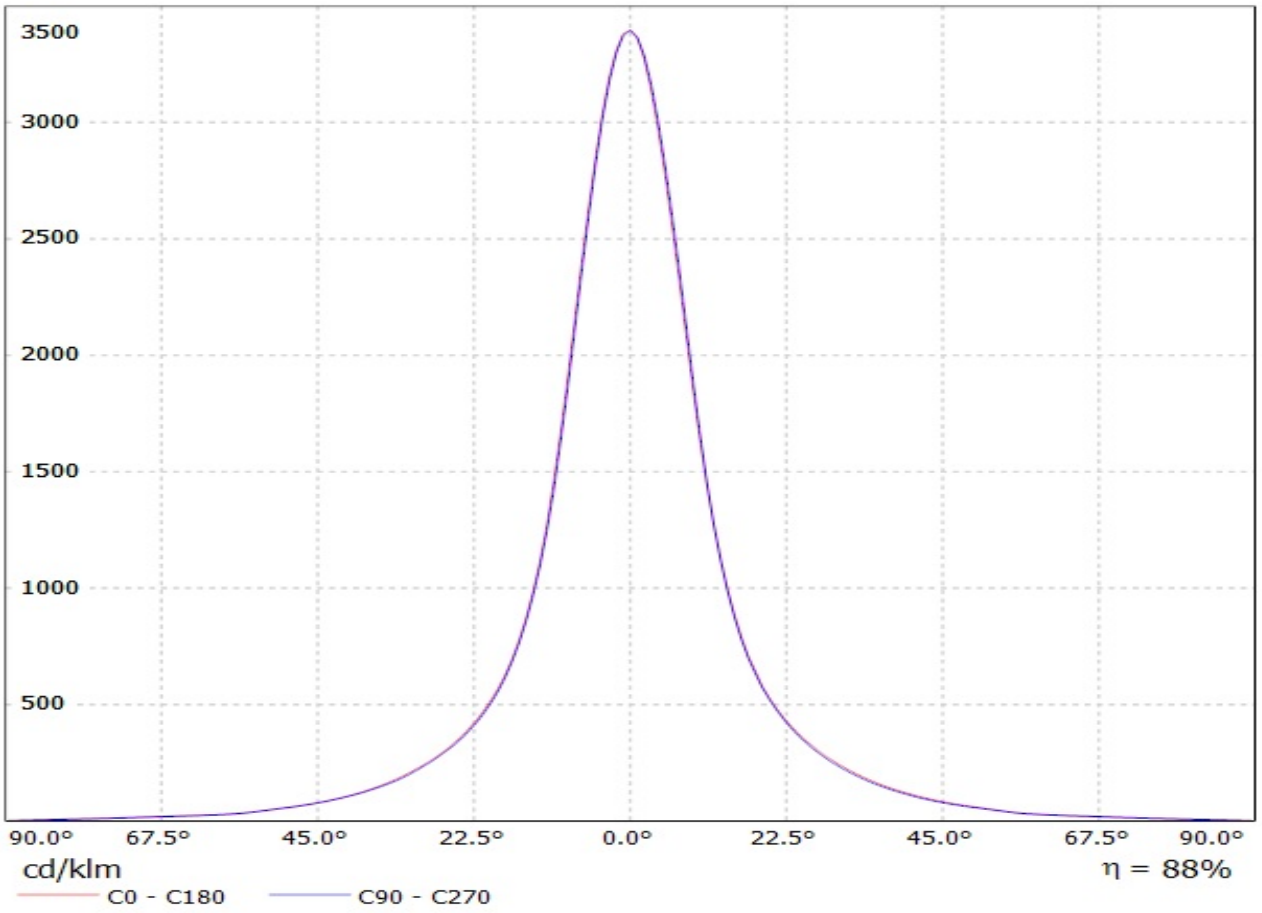
Luminaire: Ledil Oy CN14236_WINNIE-S_(CXA1520) Efficiency=87%
Lamps: 1 x Cree CXA1520 (CXA1520-30F-N4-N0H-0001) 898lm @ 250mA CCT=3000K P=8.50W I=250mA



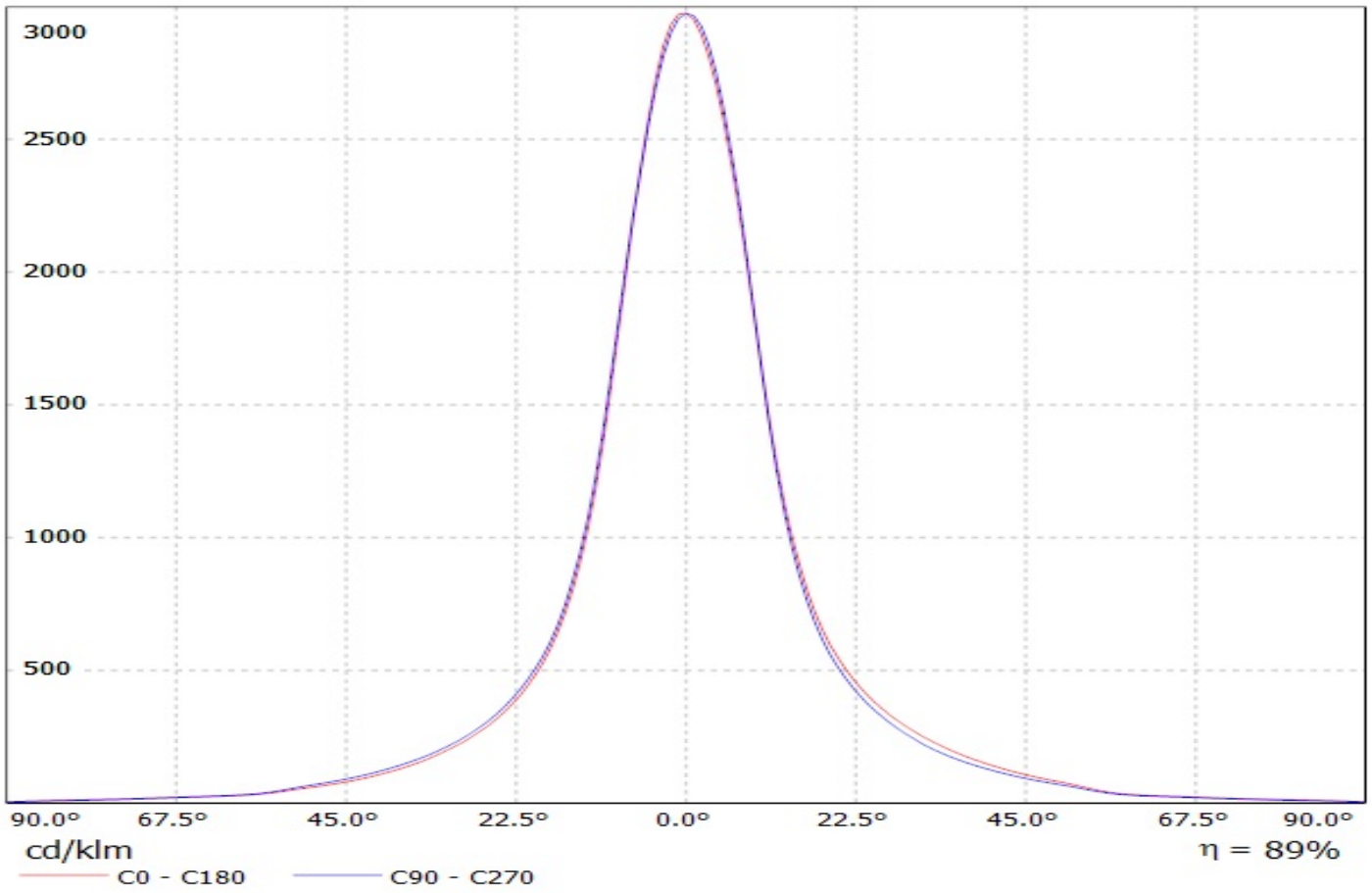
Luminaire: LEDil Oy CN14236_WINNIE-S_(Soleriq_P9)
Lamps: 1 x Osram Soleriq P9 (GW MAFJB1.EM) 850.33lm @ 250mA CCT=4372K P=6.9W I=250mA



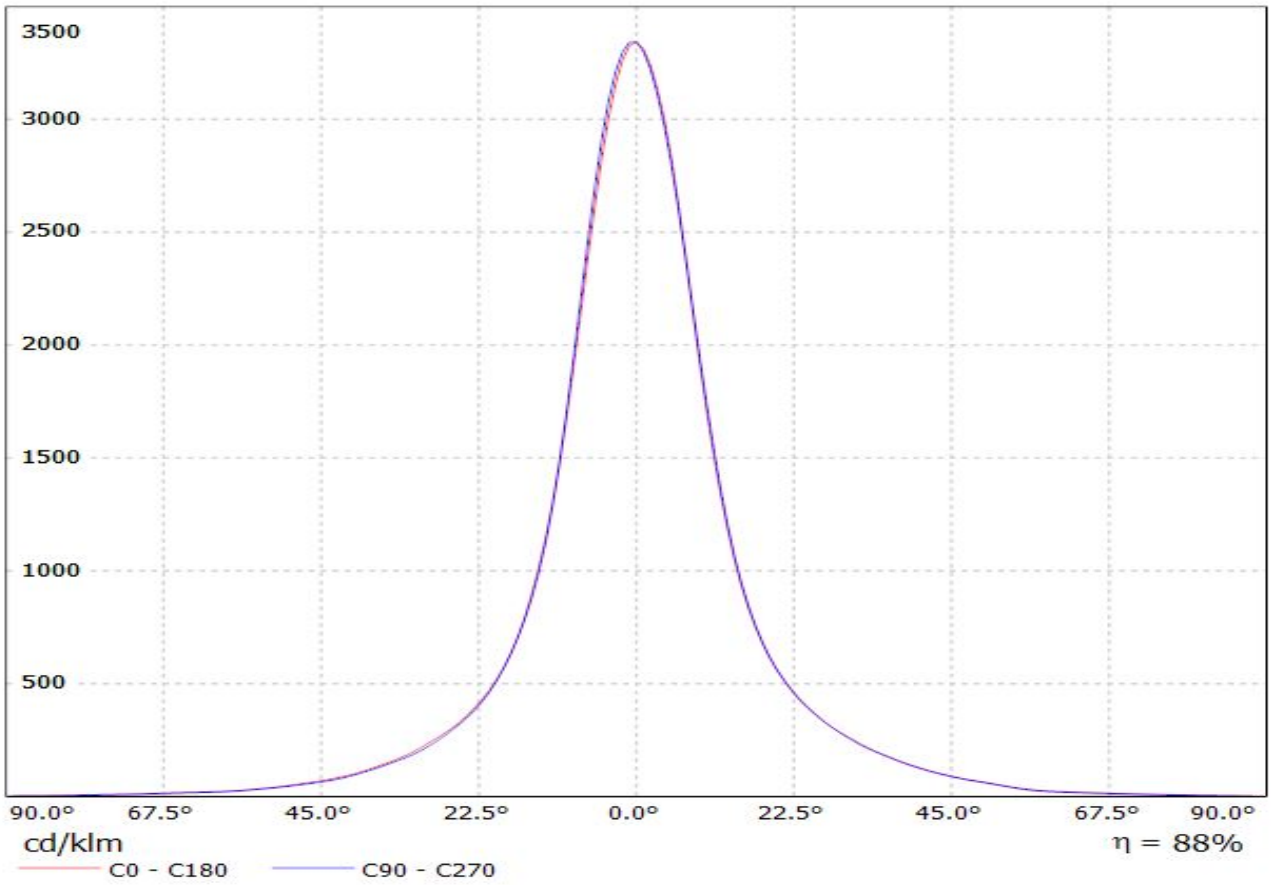
Luminaire: LEDiL Oy CN14236_WINNIE-S_(CLU024)_434-Typ-L5
Lamps: 1 x Citizen_CLU-024_(CLU024-1204B8-303M1A2)_434-Typ-L5_1023.5lm@250mA_P=8.57963W_I=0.2498A



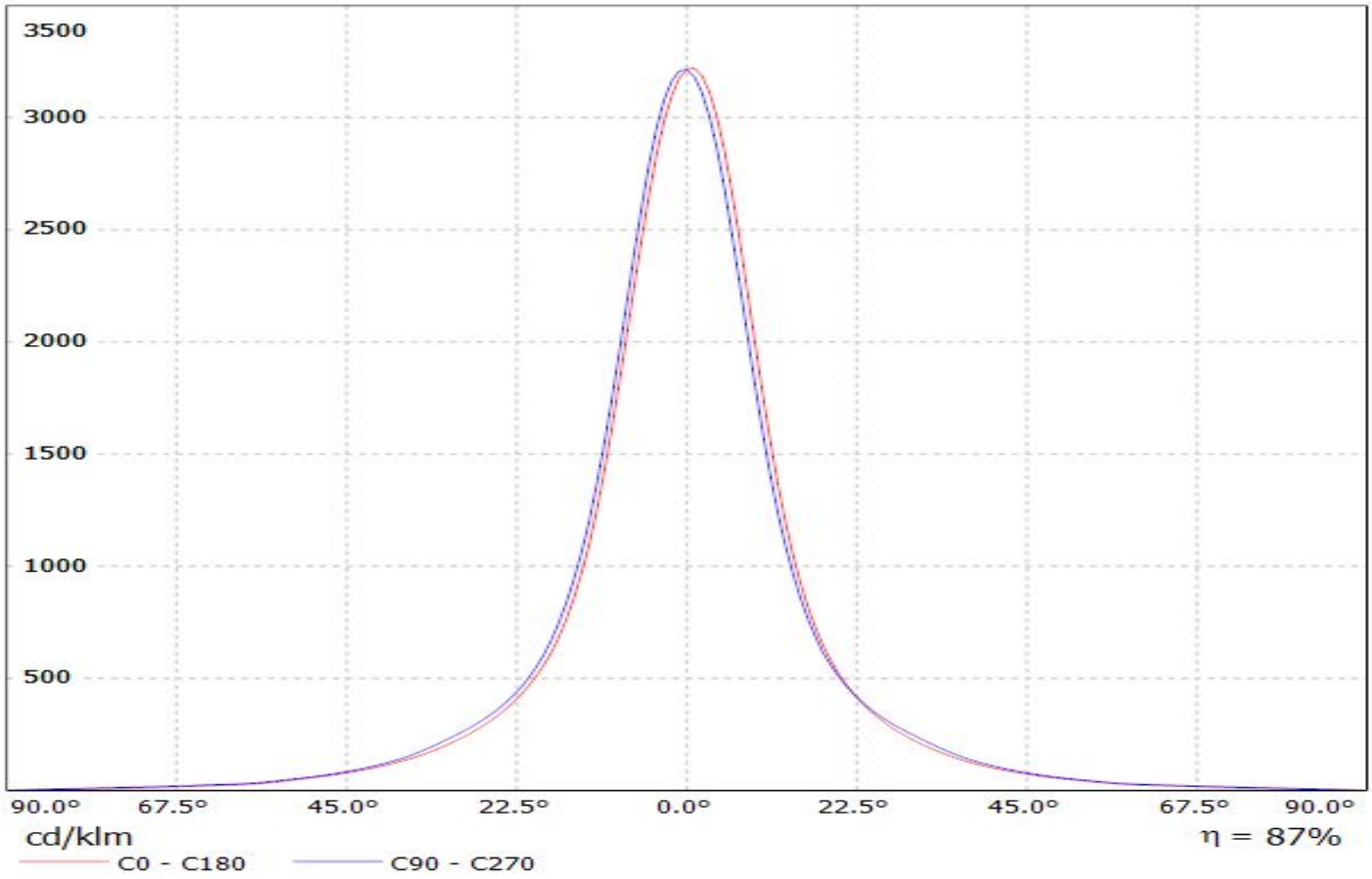
Luminaire: LEDiL Oy CN14236_WINNIE-S_(VERO10)
Lamps: 1 x Bridgelux_VERO10_(301000B)_758.633lm@250mA_P=6.35346W_I=0.2499A



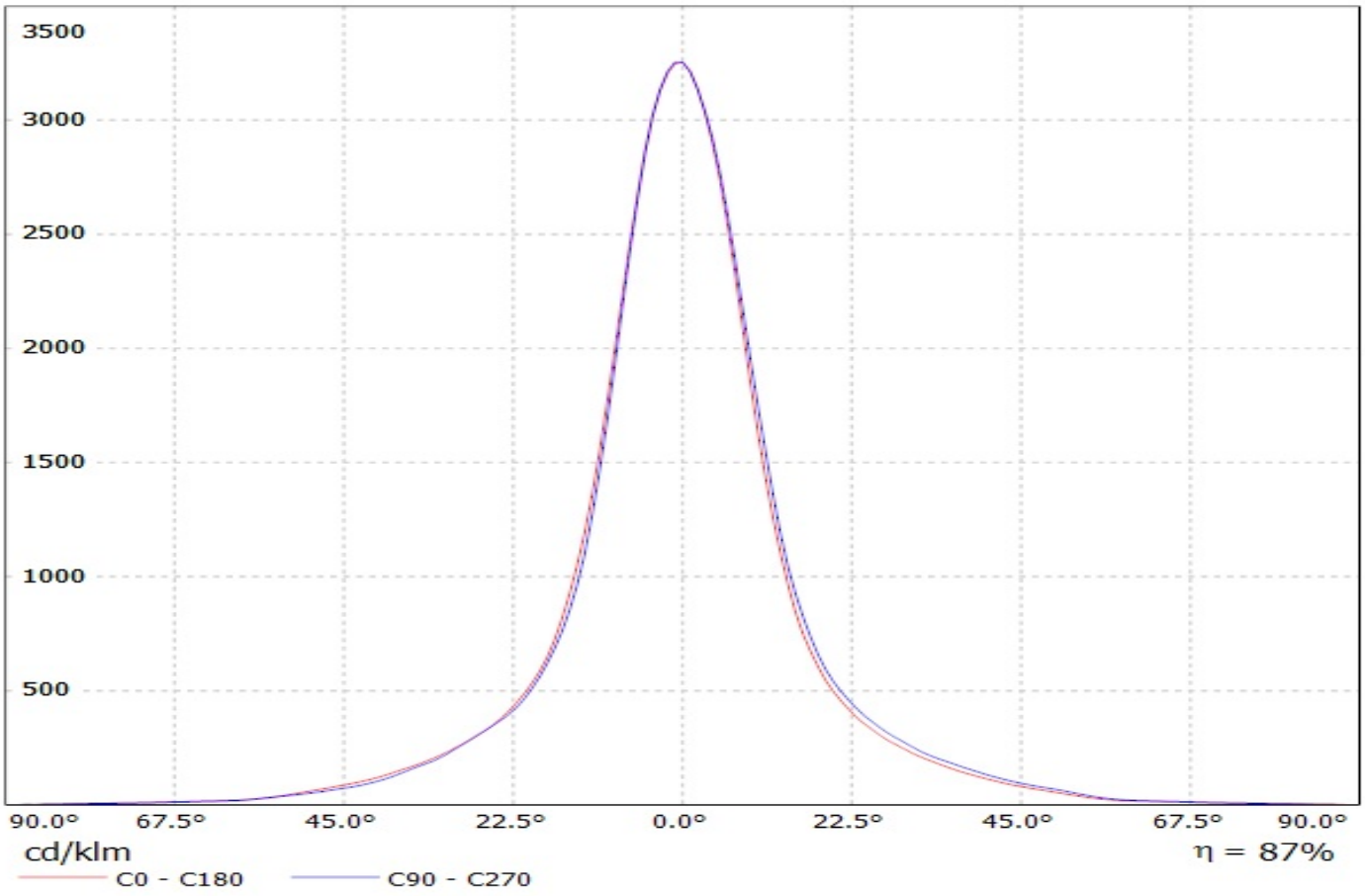
Luminaire: Ledil Oy CN14236_WINNIE-S_(CLL020) Efficiency=87%
Lamps: 1 x Citizen CLL020 (CLL020-1202A5-303H1A7) 339lm @ 120mA CCT=3000K P=4.20W I=120mA



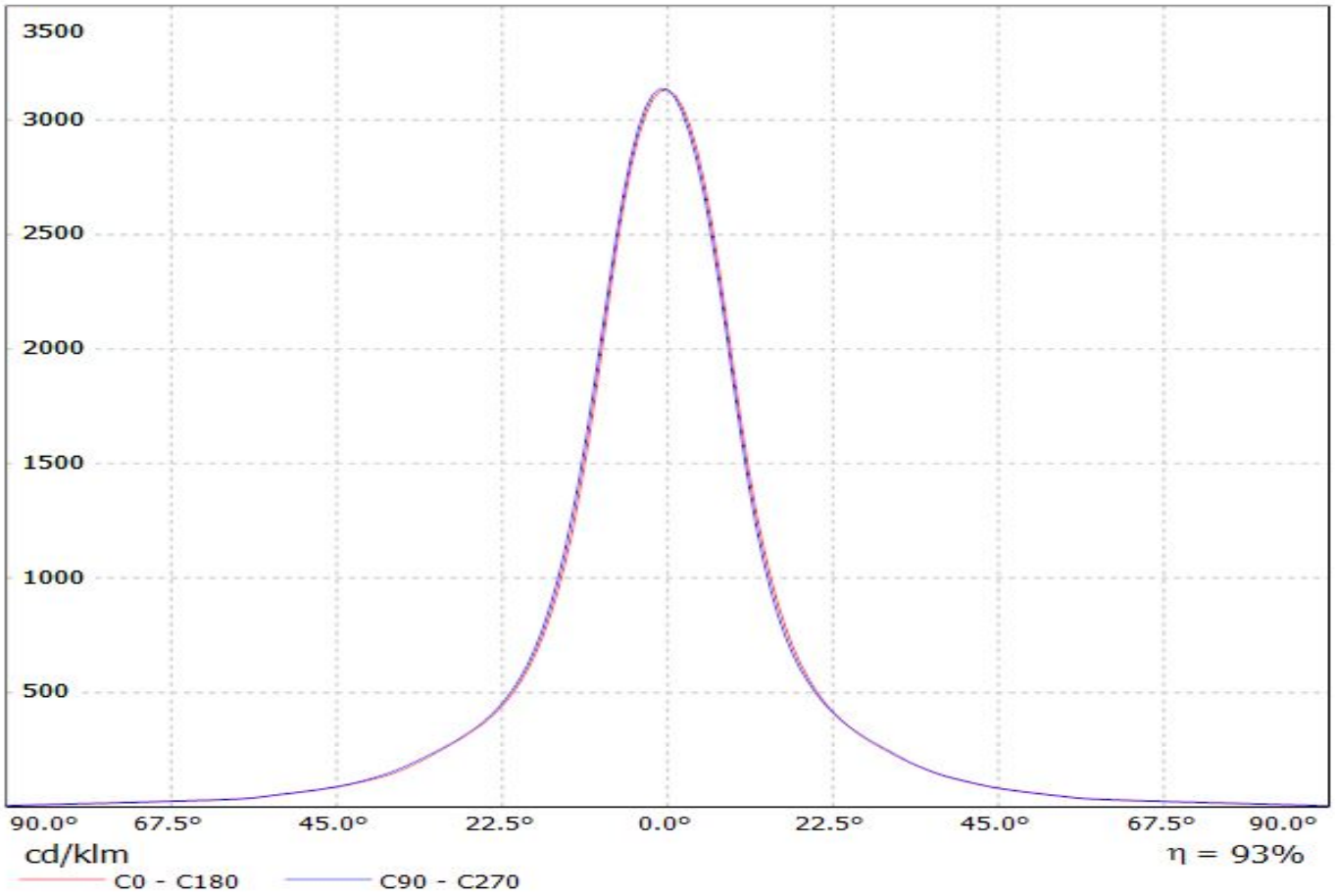
Luminaire: LEDiL Oy CN14236_WINNIE-S_(SLE-G5_LES-11)
Lamps: 1 x Tridonic_SLE-G5_LES-15_1138.42lm@250mA_P=8.4110W_I=0.250A



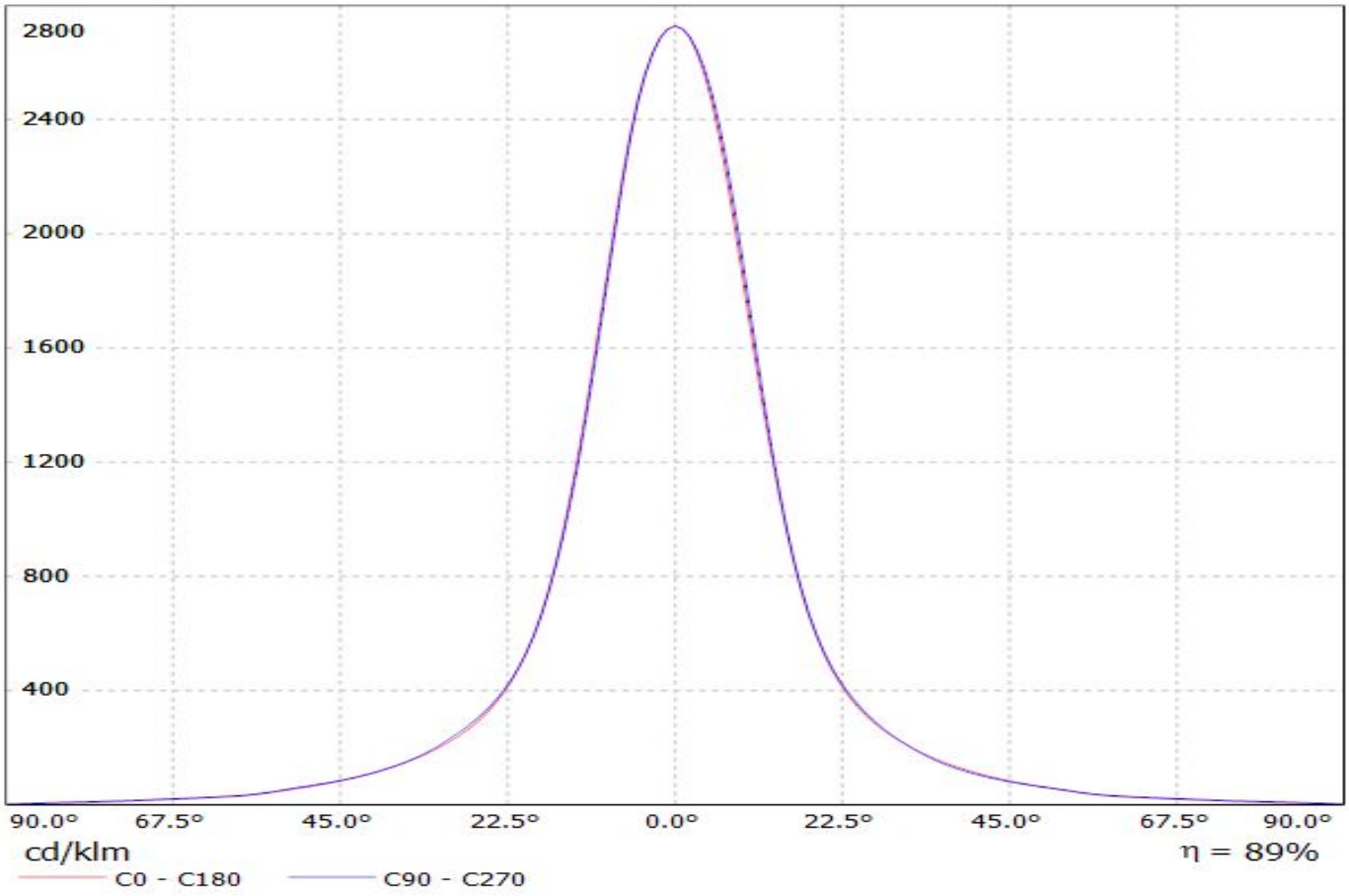
Luminaire: LEDil Oy CN14236_WINNIE-S_(CXM-9)
Lamps: 1 x Luminus XNOVA CXM-9 AC00 900.32lm @ 240mA P=8.6W I=240mA



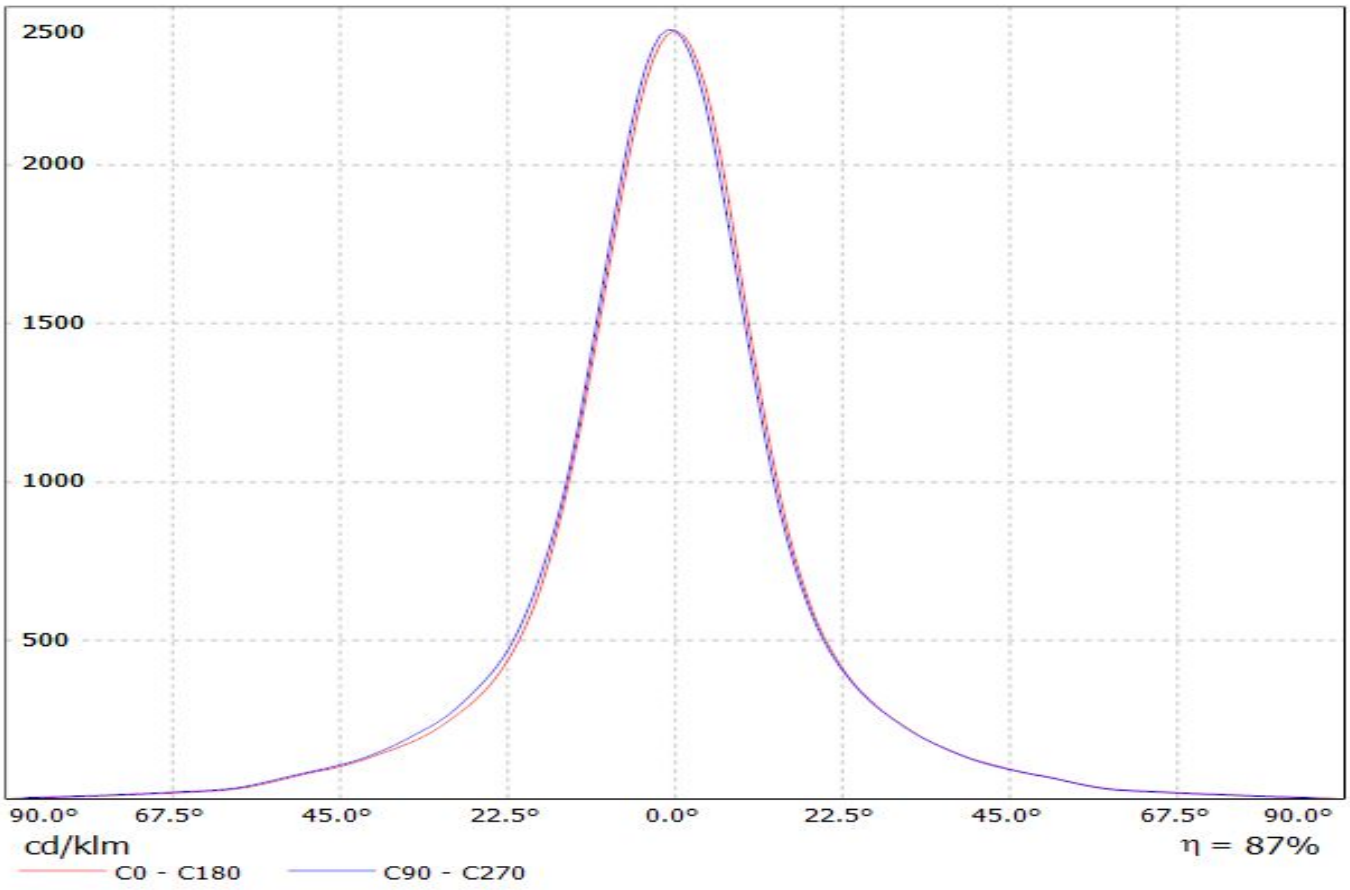
Luminaire: LEDiL Oy CN14236_WINNIE-S_(CITIZEN_CLU720)
Lamps: 1 x CITIZEN_CLU720_(433 Typ L5)_1198.27lm@250mA_P=8.30318W_I=0.25A



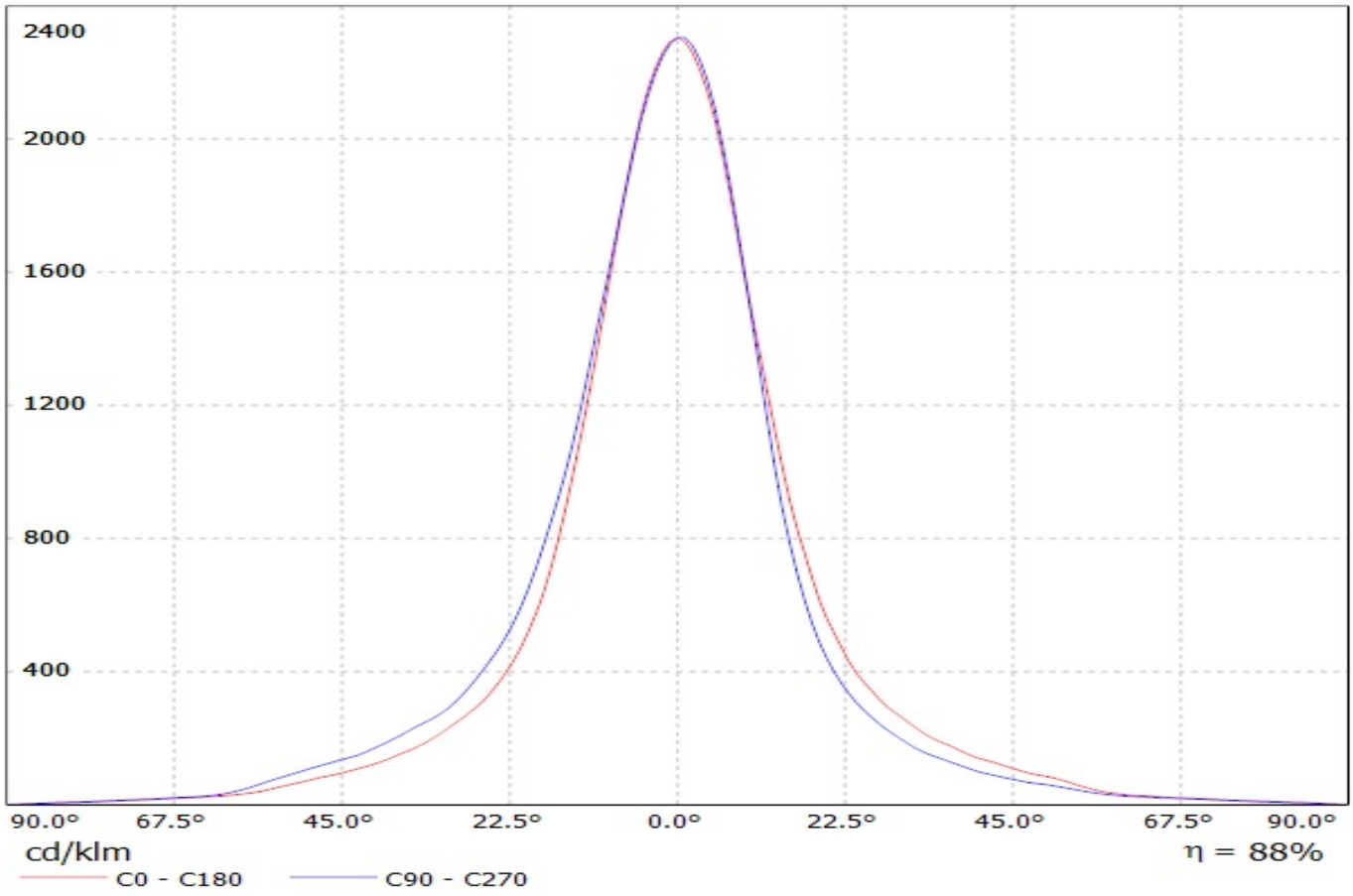
Luminaire: LEDiL Oy CN14236_WINNIE-S_(DMC125)
Lamps: 1 x DMC125+433_Typ_L5_1101.77lm@250mA_P=8.53017W_I=250mA



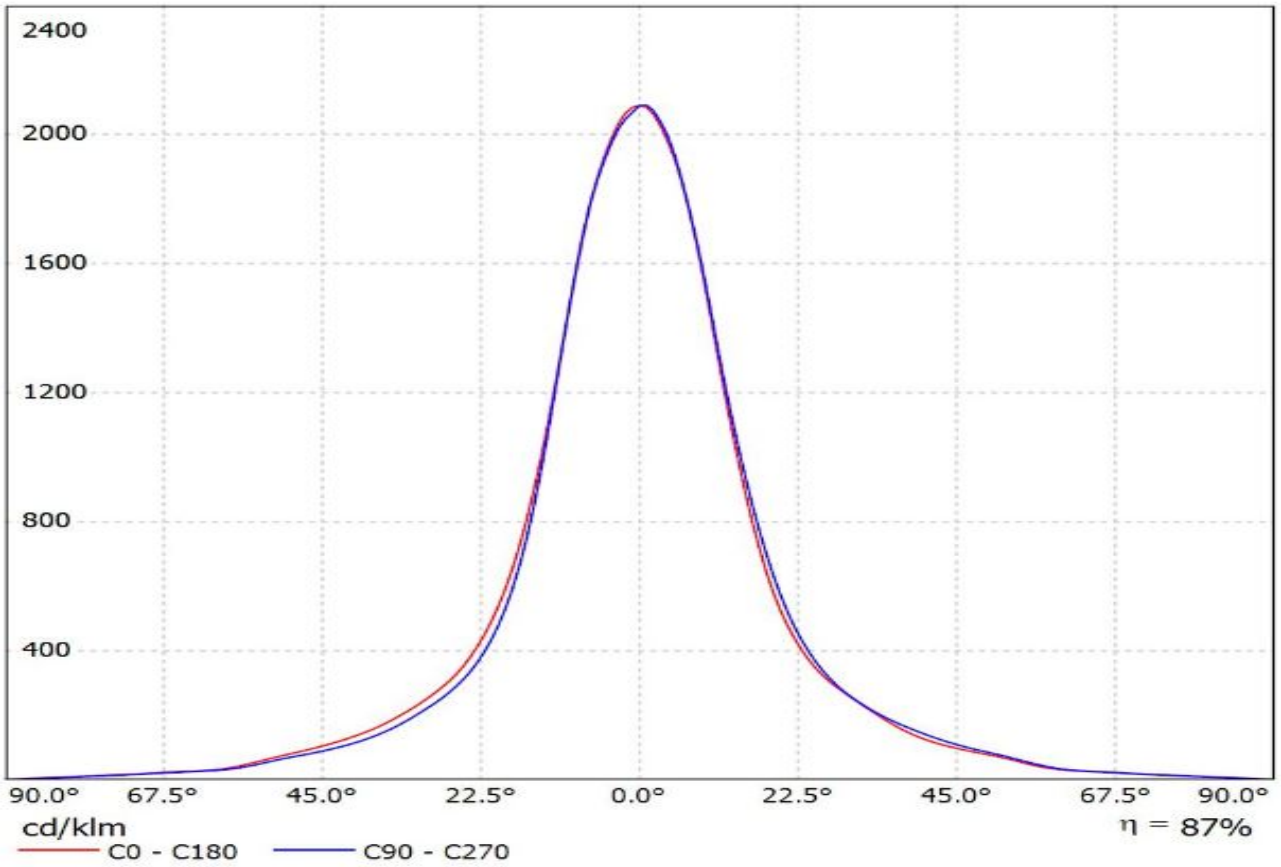
Luminaire: Ledil Oy CN14236_WINNIE-S_(CXA1816) Efficiency=86%
Lamps: 1 x Cree CXA1816 1015lm @ 250mA CCT=3210K P=8.80W I=250mA



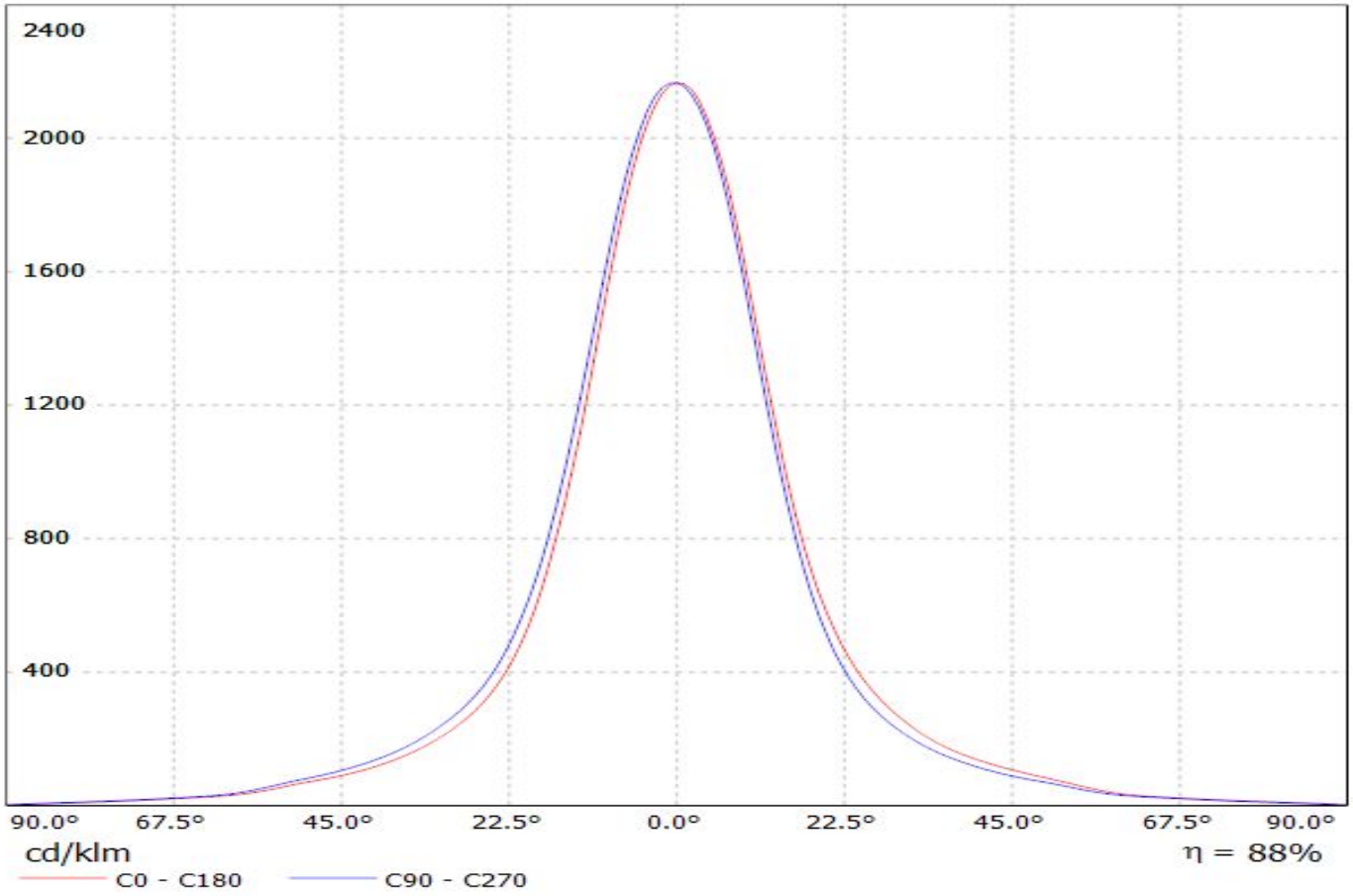
Luminaire: LEDil Oy CN14236_WINNIE-S_(Soleriq_S13)
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 833.7lm @ 250mA CCT=3125K P=7.2W I=250mA



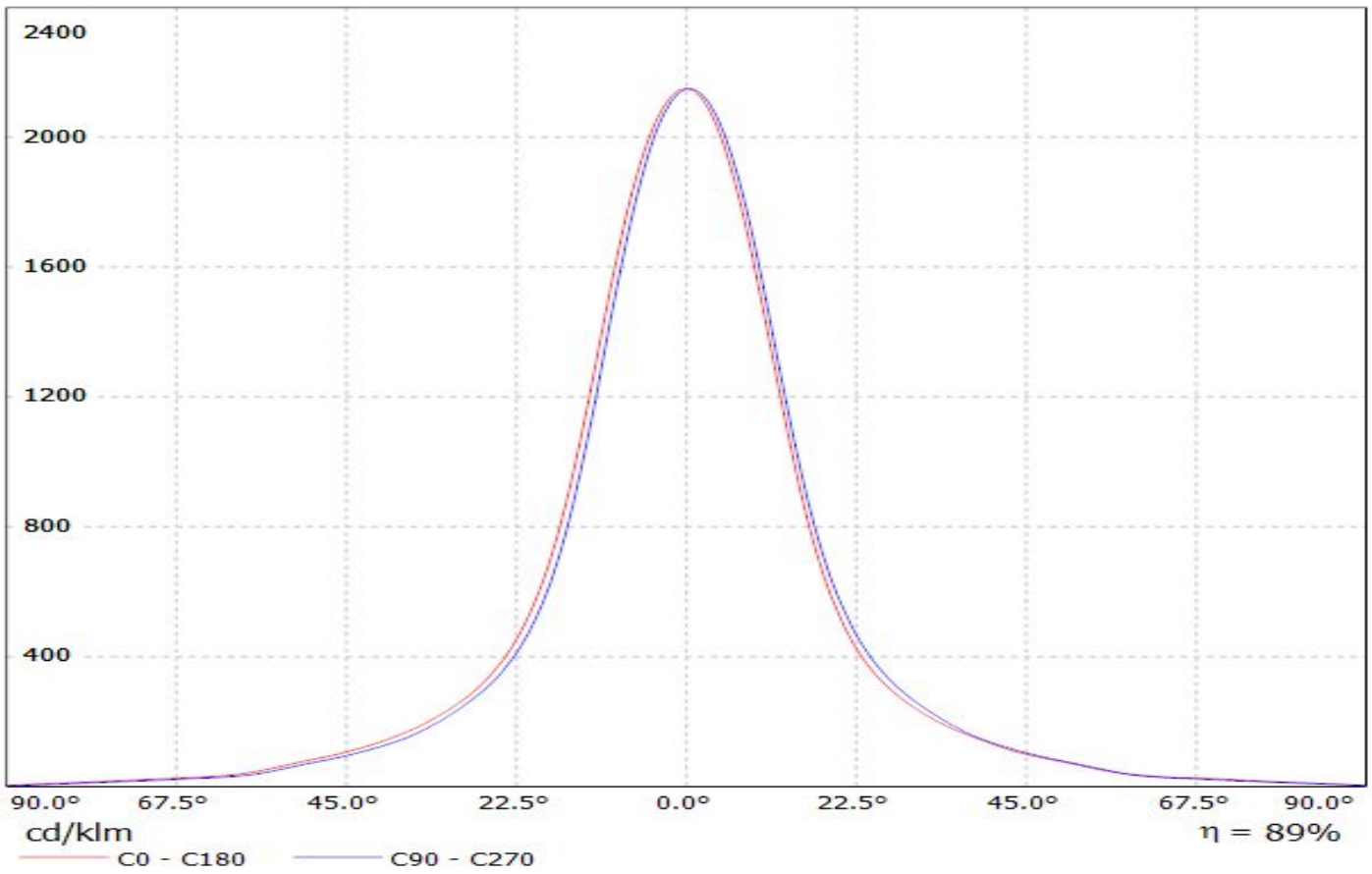
Luminaire: LEDiL Oy CN14236_WINNIE-S_(SOLERIQ_P13)
Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_929.576lm@250mA_CCT=3500K_P=8.72876W_I=249.8mA



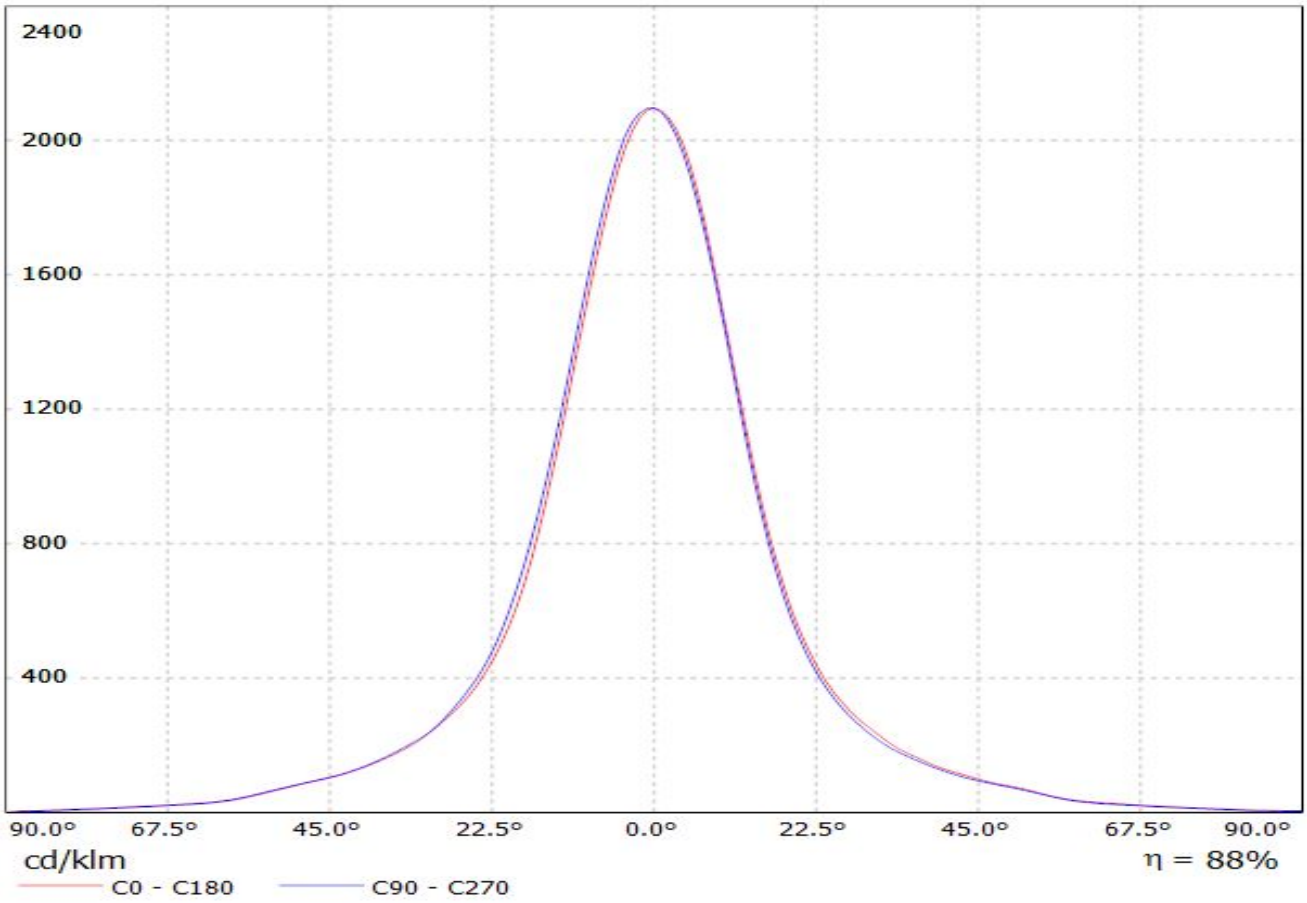
Luminaire: LEDiL Oy CN14236_WINNIE-S_(ZC12)
Lamps: 1 x Seoul_ZC12_(SDW82F1C)_+_B+W_433_Typ_L5_1217.21lm@250mA_P=8.64733W_I=250mA



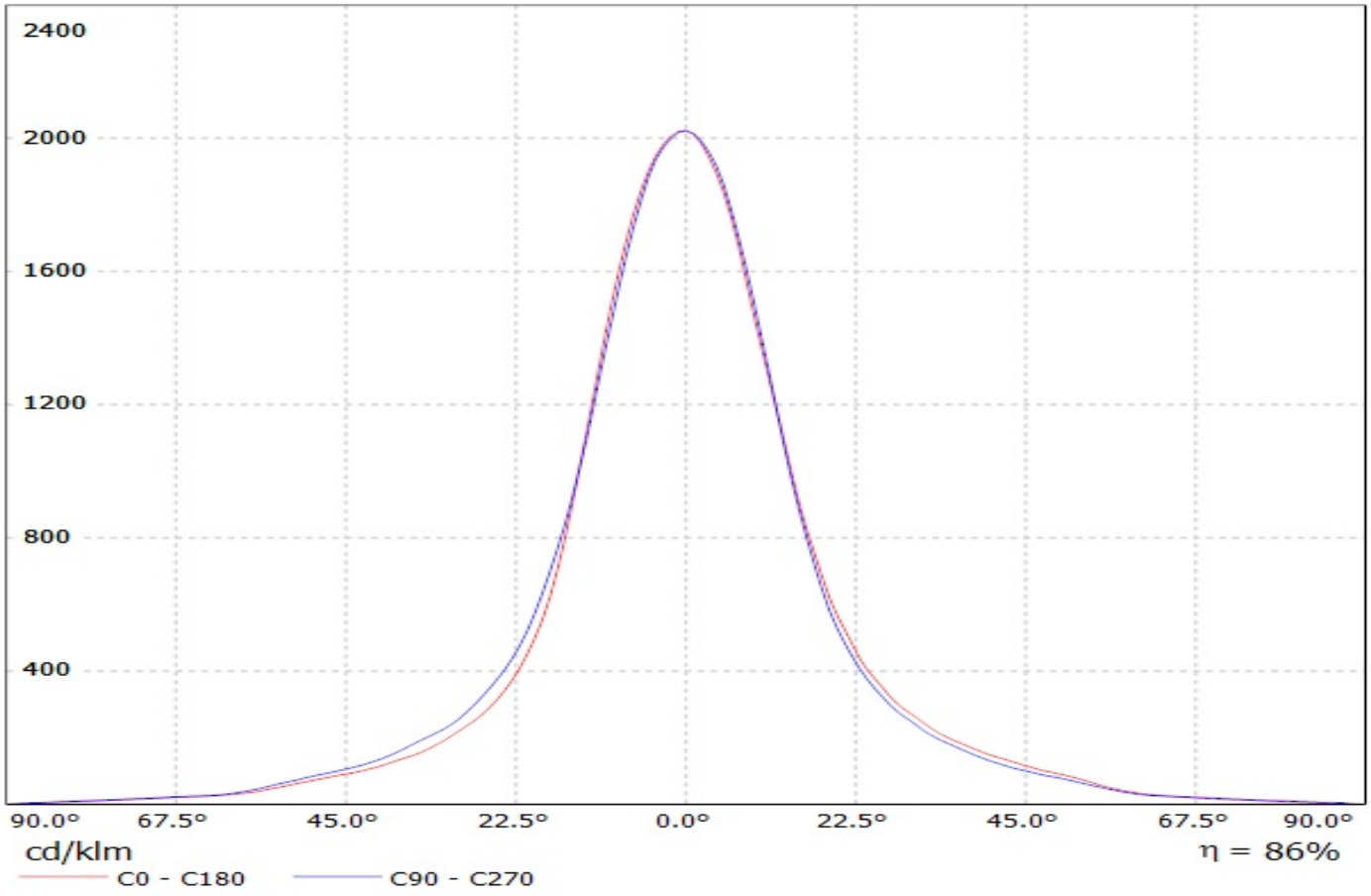
Luminaire: LEDiL Oy CN14236_WINNIE-S_(SLE-G5_LES-15)
Lamps: 1 x Tridonic_SLE-G5_LES-15_1267.45lm@250mA_P=8.6695W_I=0.250A



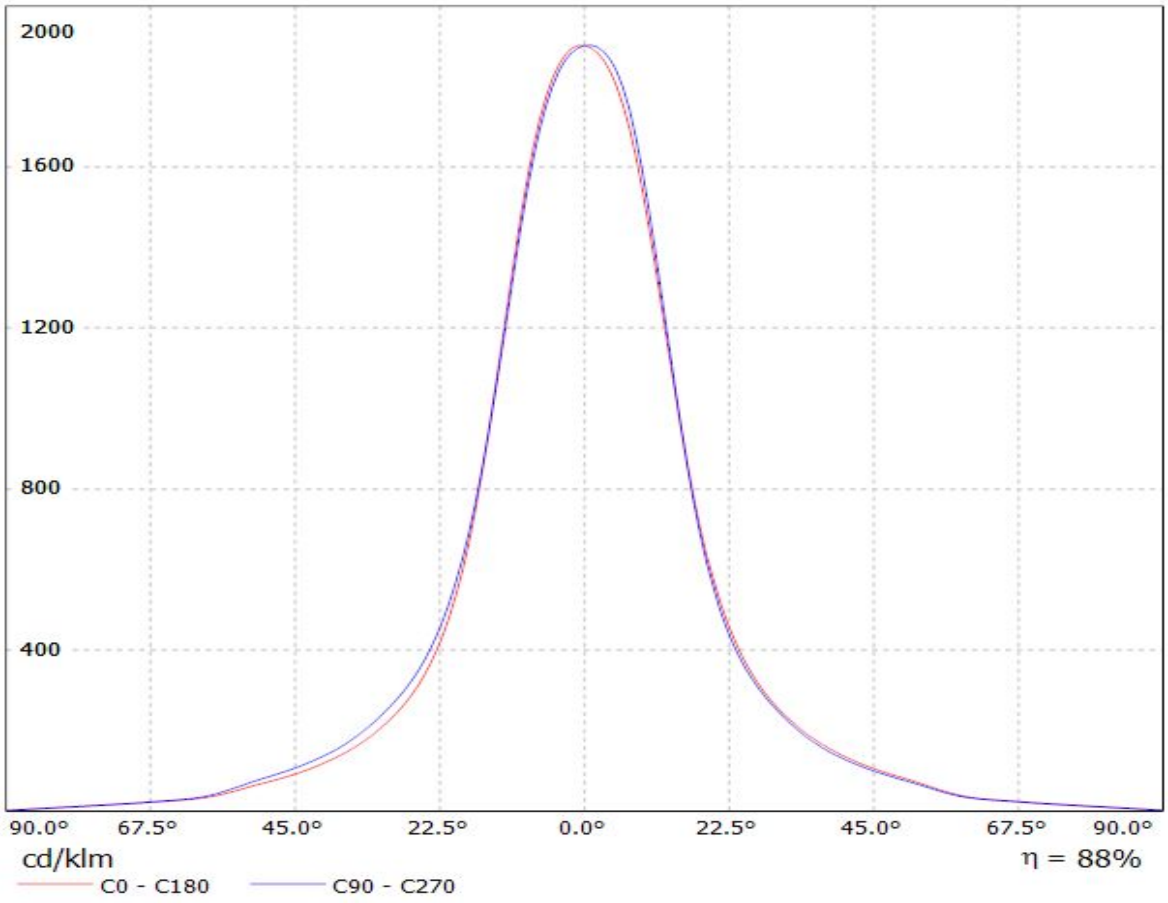
Luminaire: Ledil Oy CN14236_WINNIE-S_(CLL030) Efficiency=87%
Lamps: 1 x Citizen CLL030 (CLL030-1206A1-303M1A2) 856lm @ 250mA CCT=3000K P=8.75W I=250mA



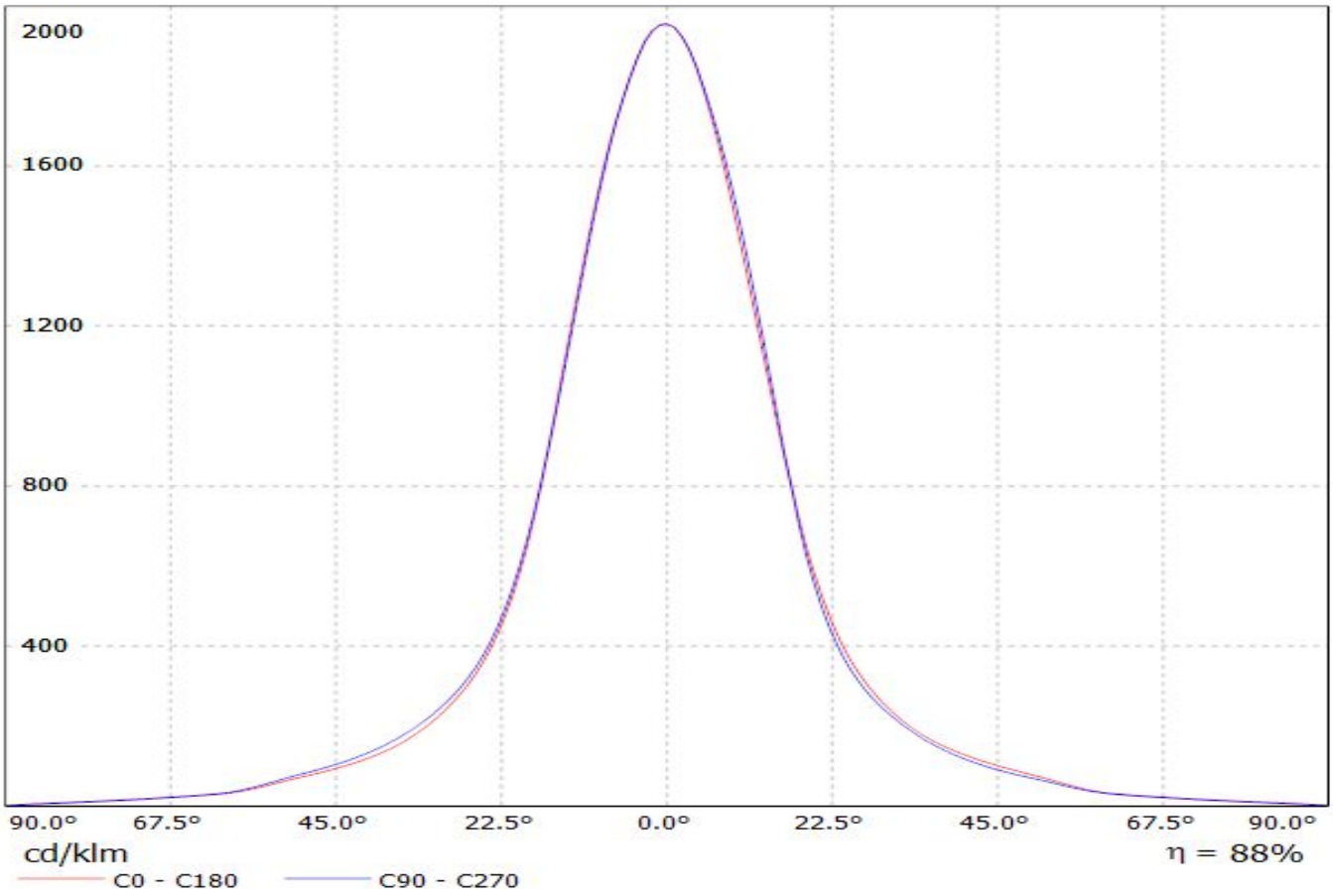
Luminaire: LEDil Oy CN14236_WINNIE-S_(CXM-14)
Lamps: 1 x Luminus CXM-14 (1058.75lm @ 250mA) CCT=3100K P=8.3W I=250mA



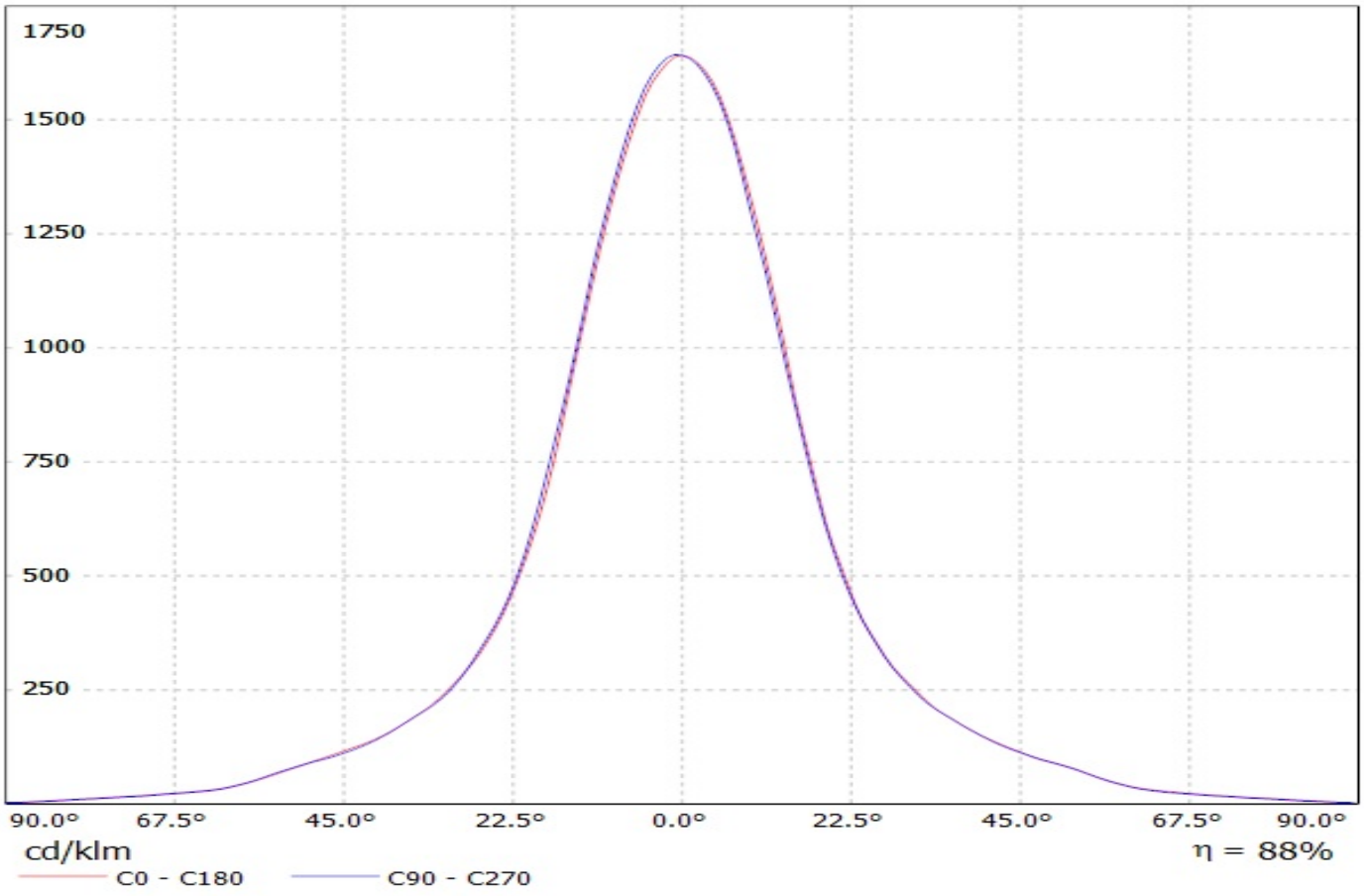
Luminaire: LEDiL Oy CN14236_WINNIE-S_(CLU034)
Lamps: 1 x Citizen_CLU034_(CLL034-1205B8-303M1A2)_+_B+W_433_Typ_L5_1154.06lm@250mA_P=8.45523W_I=250mA



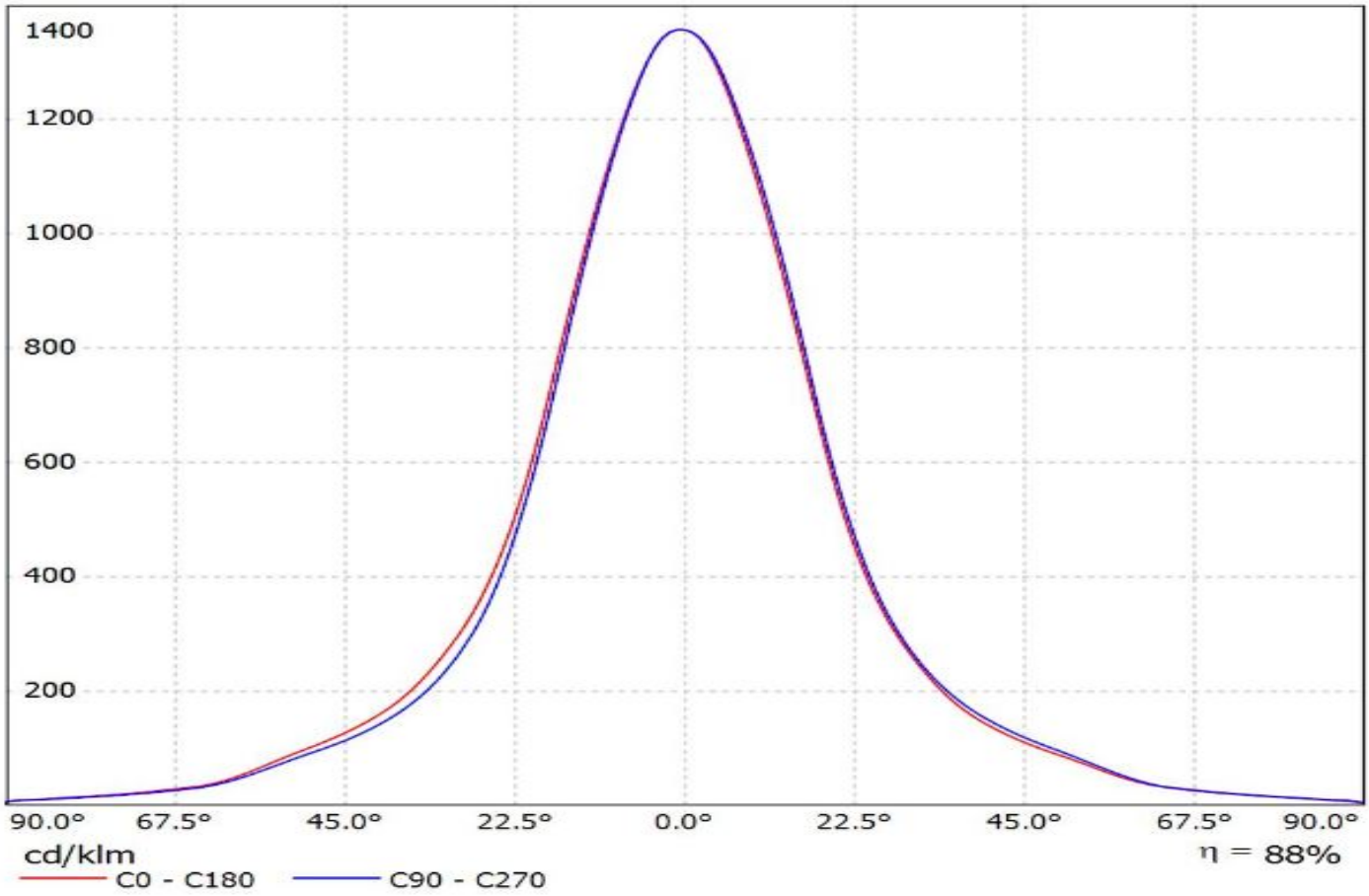
Luminaire: LEDiL Oy CN14236_WINNIE-S_(DMC128)
Lamps: 1 x DMC128+433_TYP_L5_825.549lm@250mA_P=8.28162W_I=250mA



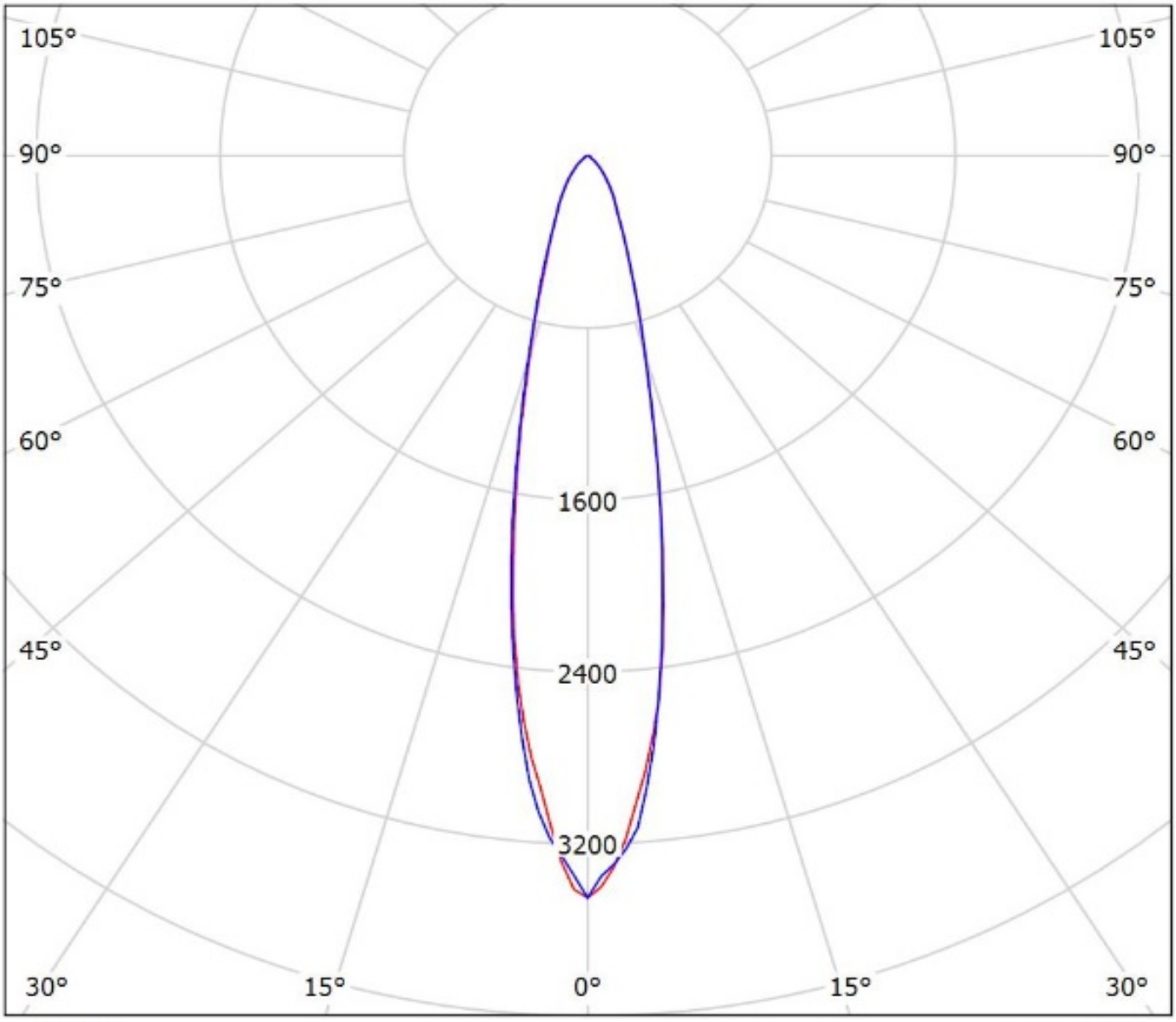
Luminaire: LEDil Oy CN14236_WINNIE-S_(Soleriq_S19)
Lamps: 1 x Osram Soleriq S19 (GW KAHJB1.EM) 1345.37lm @ 250mA CCT=2904K P=10.5W I=250mA



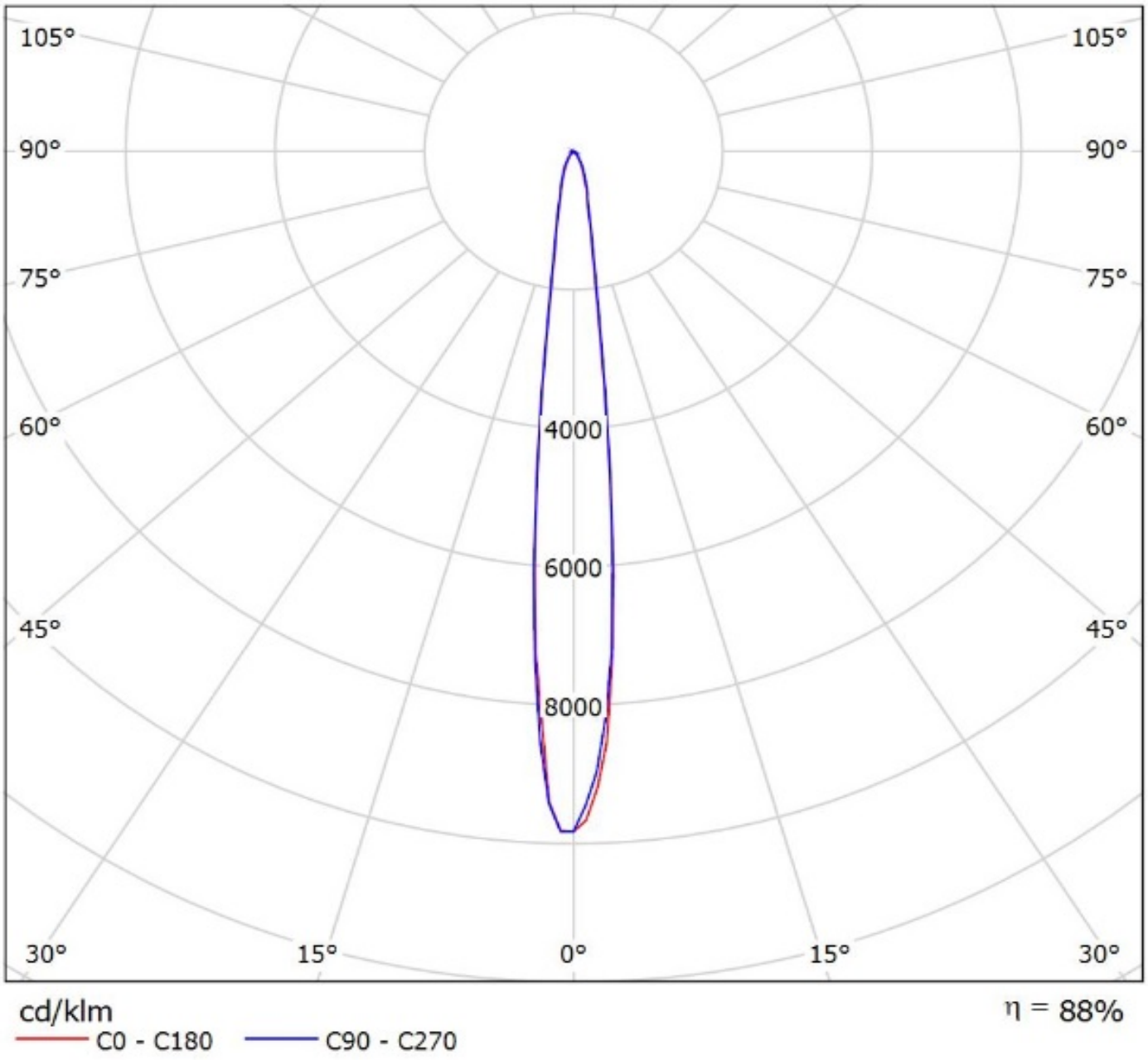
Luminaire: Ledil CN14236_WINNIE-S_(V18)
Lamps: 1 x Bridgelux_V18_(BXRC-30E4000-F-23)_1084.28lm@250mA_P=6.8355W_I=0.250A



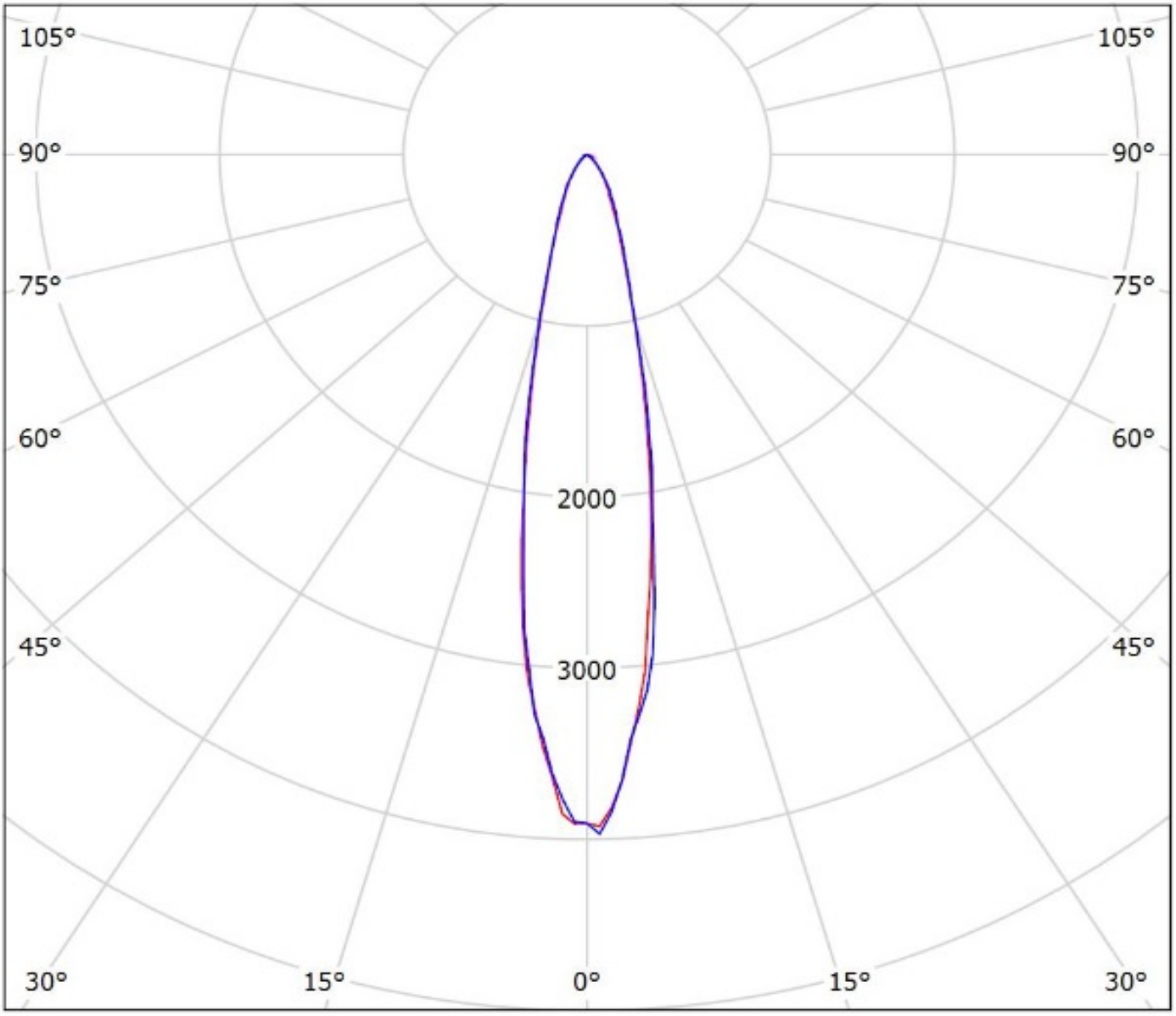
Luminaire: Ledil Oy CN14236_WINNIE-S_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



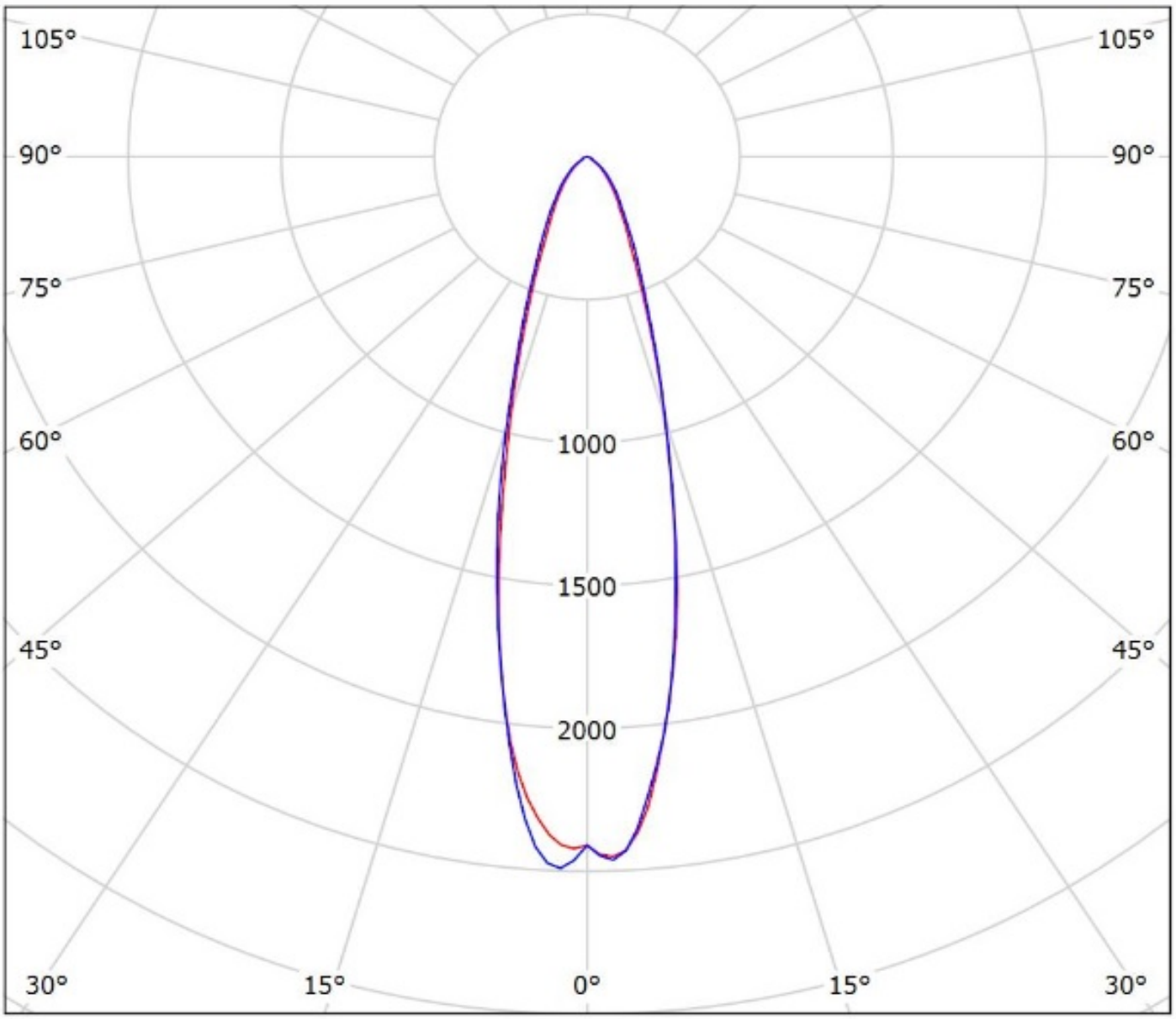
Luminaire: Ledil Oy CN14236_WINNIE-S_(LC010C)__(479_type_L5)_SIMULATED
Lamps: 1 x Samsung LC010C + Bender & Wirth 479 Type L5



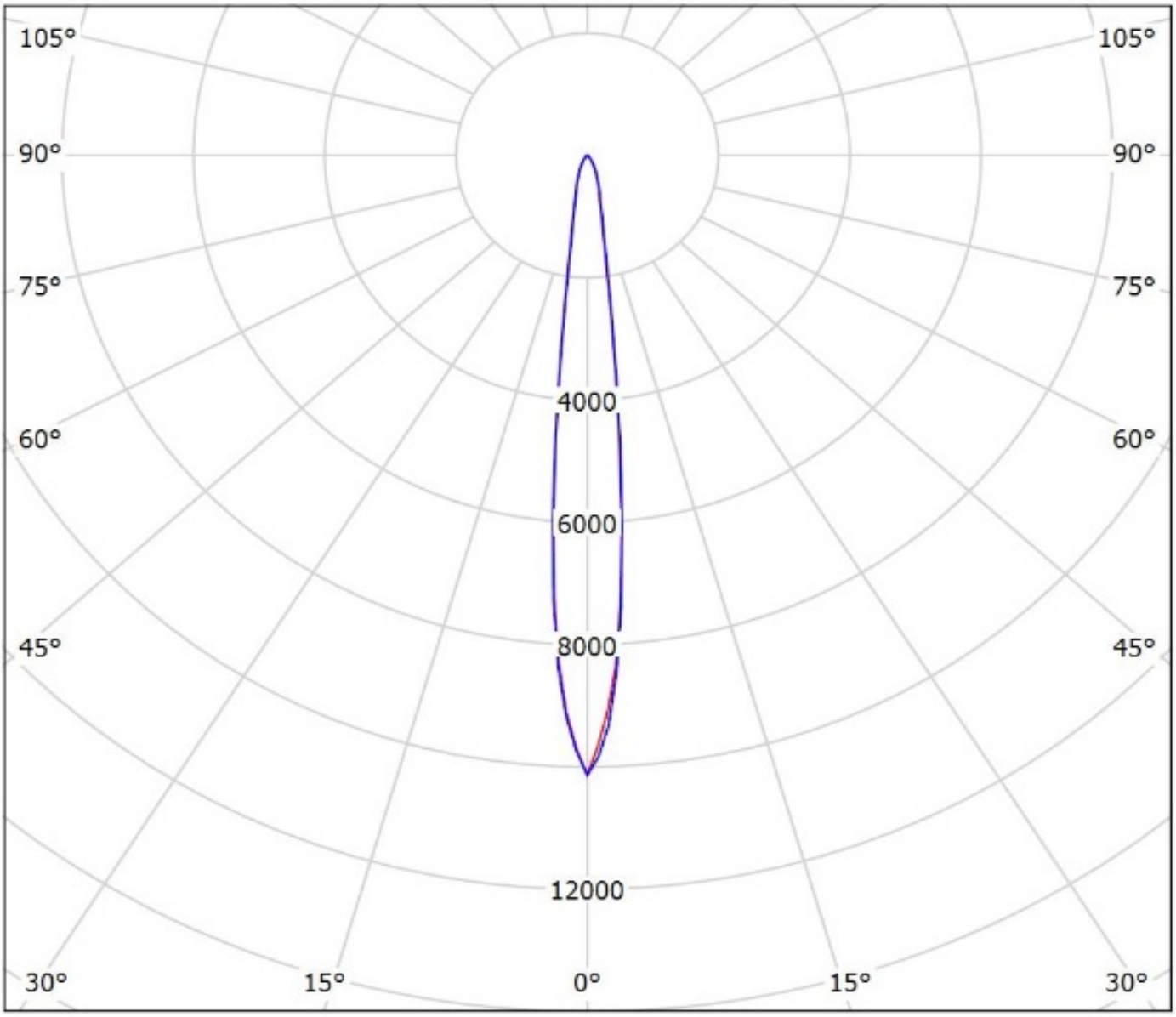
Luminaire: Ledil Oy CN14236_WINNIE-S_(LC020C)_(B+W_479_Typ_L5)_SIMULATED
Lamps: 1 x Samsung LC020C



Luminaire: Ledil Oy CN14236_WINNIE-S_(LC040C)_(B+W_479_Typ_L5)_SIMULATED
Lamps: 1 x Samsung LC040C

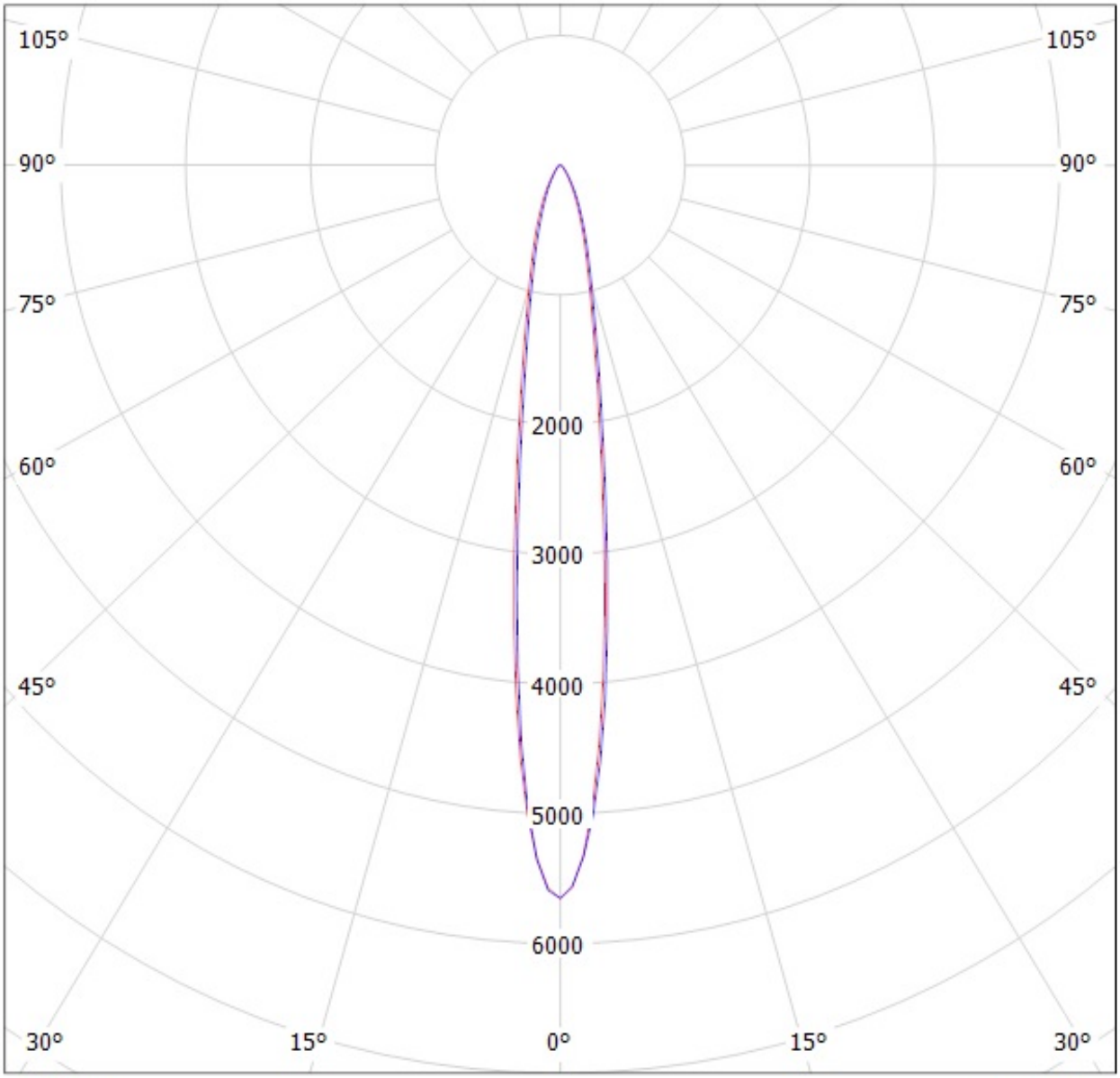


Luminaire: Ledil Oy CN14236_WINNIE-S_(CXA1310)_(448_type_L5)_SIMULATED
Lamps: 1 x Cree CXA1310



cd/klm
η = 88%
C0 - C180
C90 - C270

Luminaire: LEDiL Oy CN14236_WINNIE-S_(CLU700)_434-Typ-L5
Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_434_Typ_L5_377.008lm@100mA_P=2.82212W_I=0.1001A

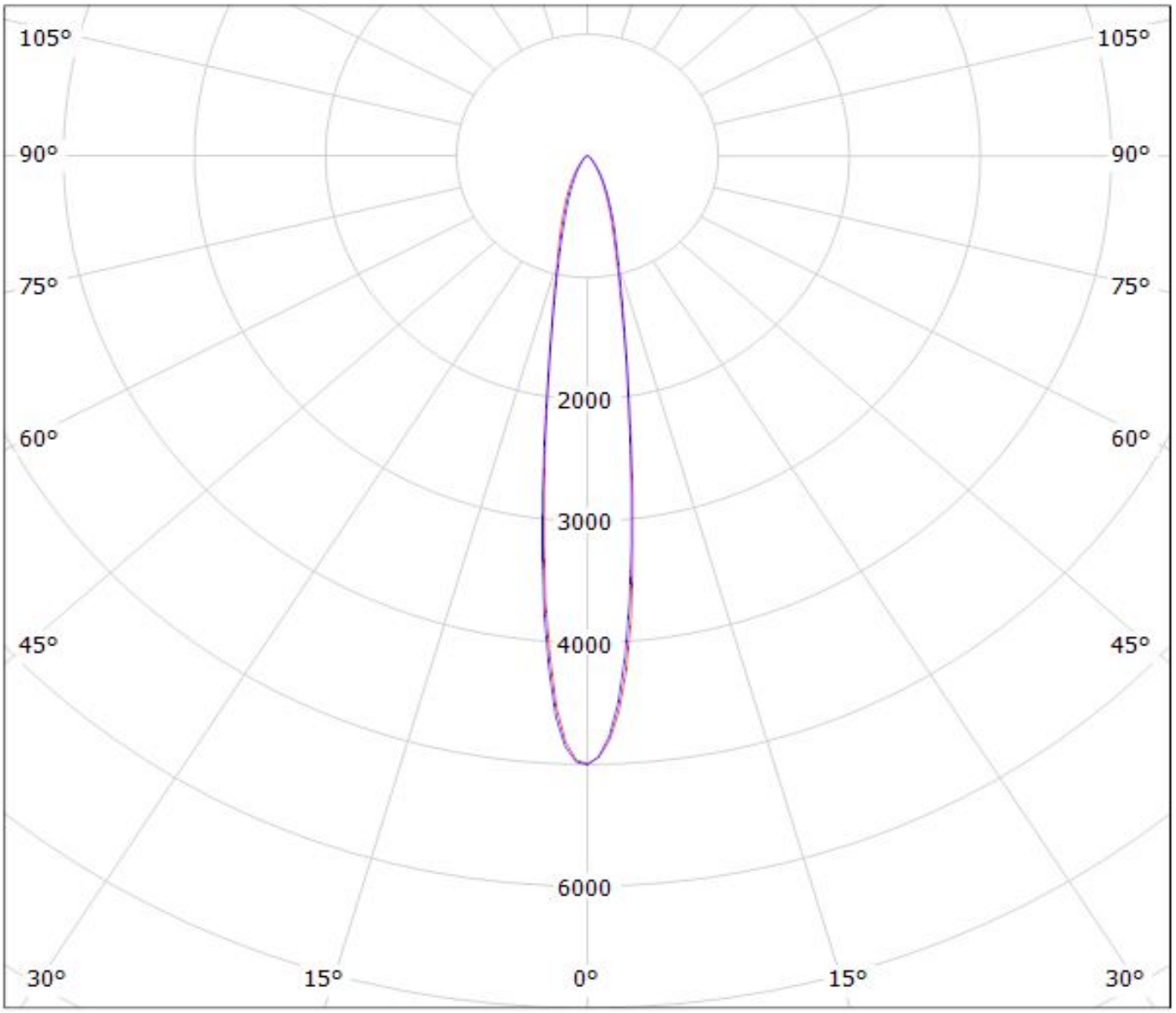


cd/klm

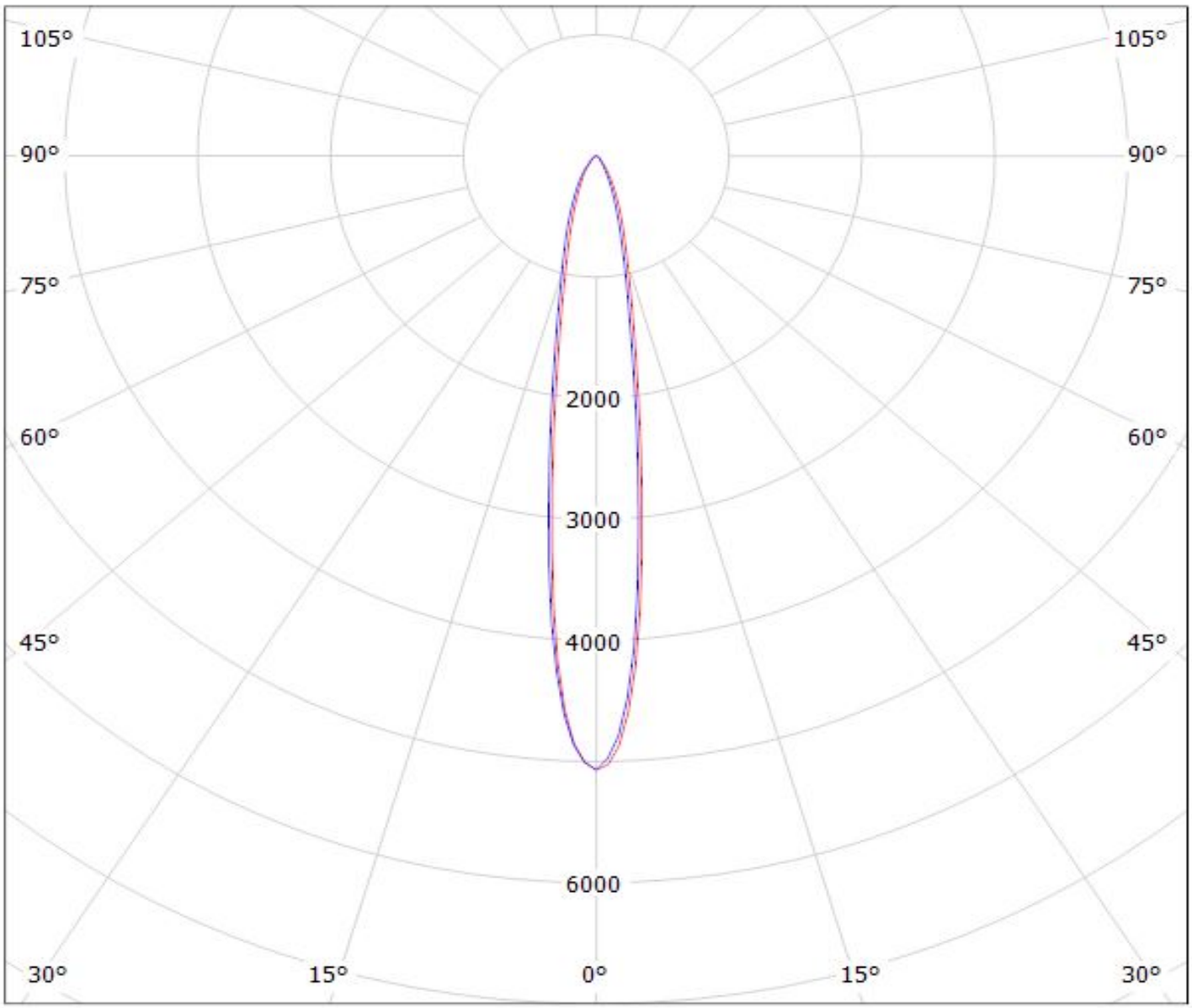
η = 90%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN14236_WINNIE-S_(CLU700)
Lamps: 1 x Citizen_CLU700_367.467lm@100mA_P=2.77574W_I=0.1002A



Luminaire: LEDiL Oy CN14236_WINNIE-S_(SLE-G5_LES-6)
Lamps: 1 x Tridonic_SLE-G5_LES-6_472.41lm@100mA_P=3.3763W_I=0.100A

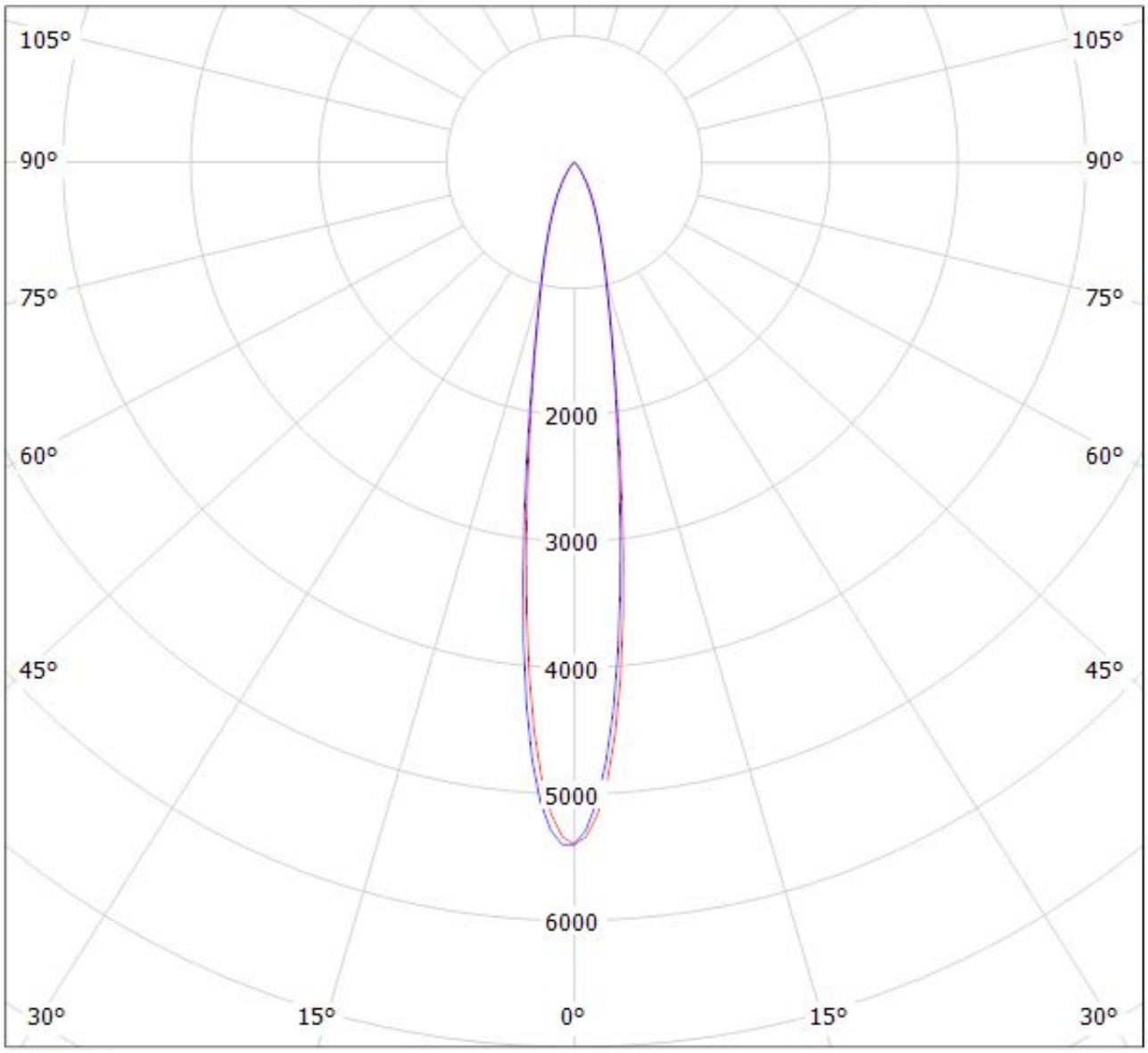


cd/klm

η = 87%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CN14236_WINNIE-S_(CLL010) Efficiency=87%
Lamps: 1 x Citizen CLL010 (CLL010-035A1-303M1A2) 199lm @ 250mA CCT=3158K P=2.26W I=250mA

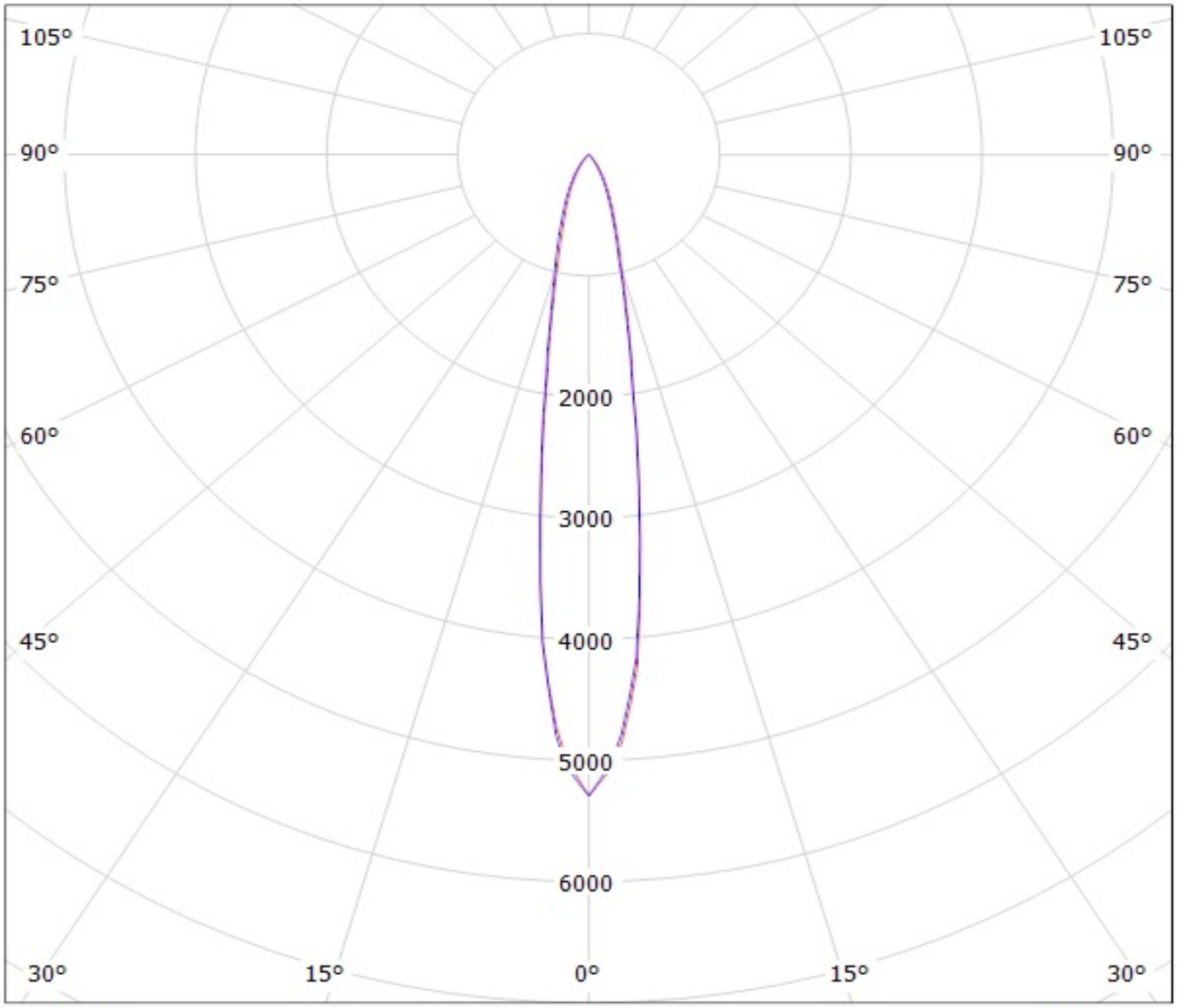


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDil Oy CN14236_WINNIE-S_(Soleriq_P6)
Lamps: 1 x Osram Soleriq P6 (GW MAEGB1.EM) 577lm @ 250mA CCT=2842K P=6.2W I=250mA

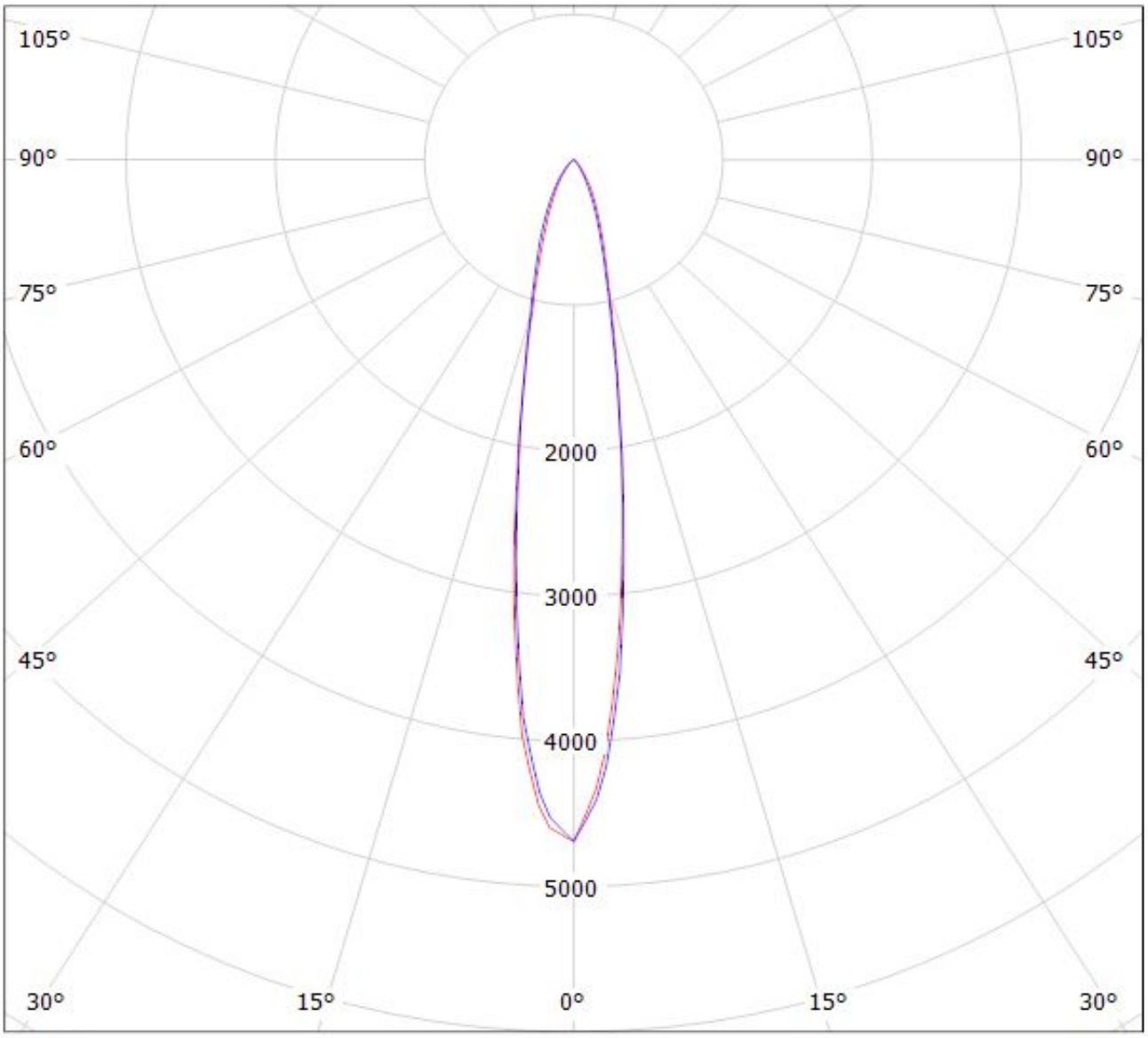


cd/klm

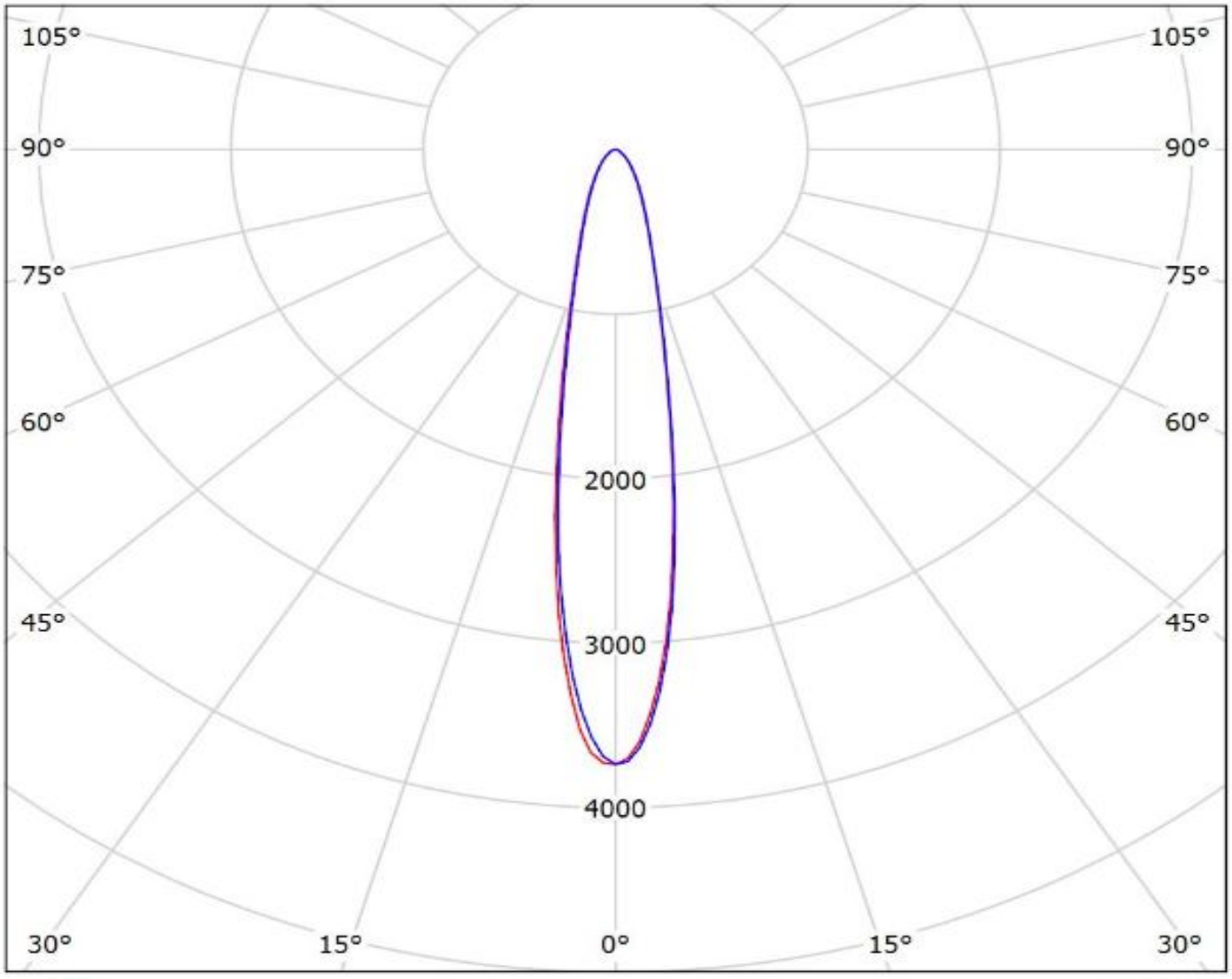
η = 88%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CN14236_WINNIE-S_(CXA1304) Efficiency=89%
Lamps: 1 x Cree CXA1304 (CXA1304-30F-B2-C0H-00001) 258lm @ 250mA CCT=3095K P=2.20W I=250mA

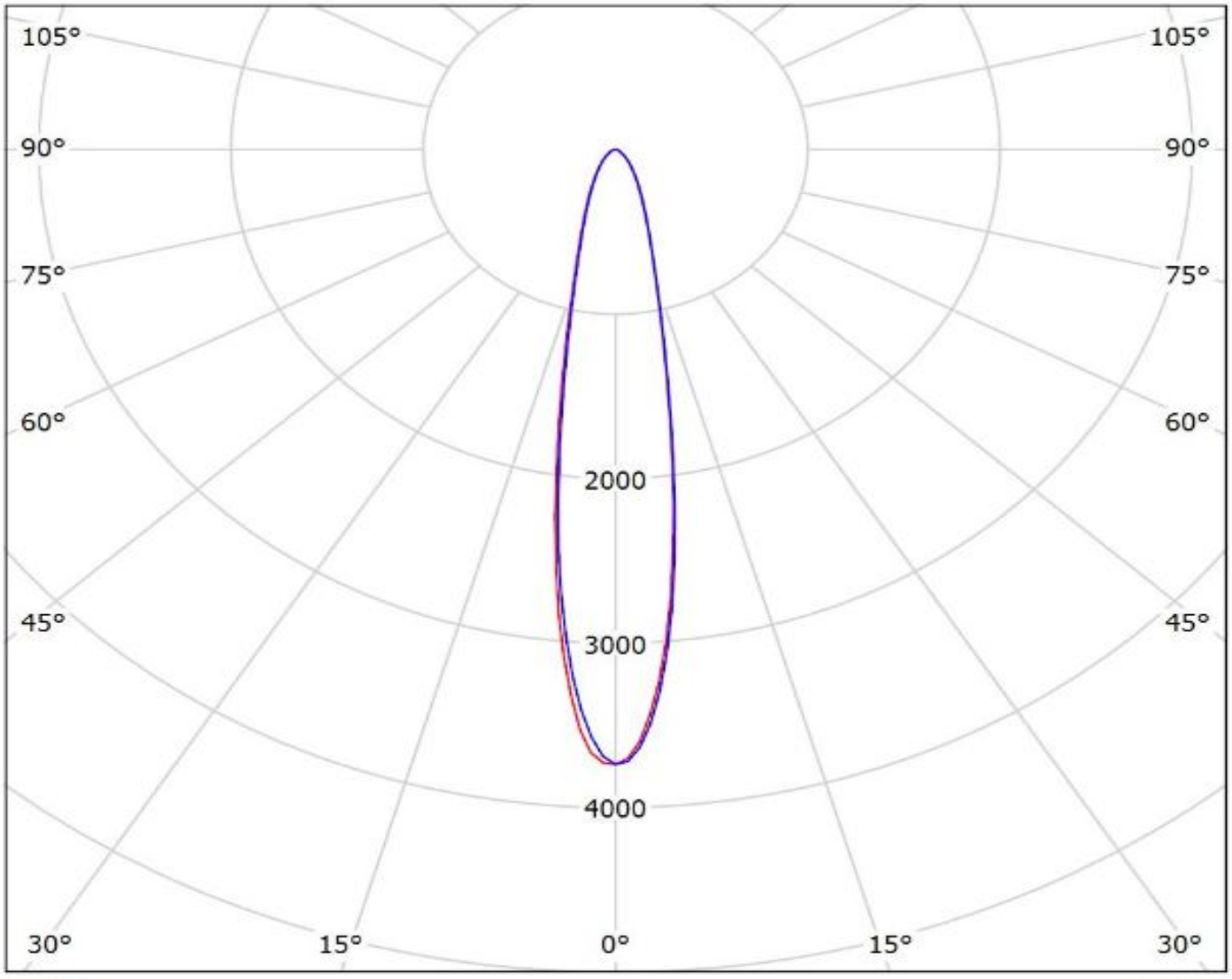


Luminaire: Ledil CN14236_WINNIE-S_(CLU710)
Lamps: 1 x CITIZEN_CLU710_(CLU710-1204B8-273M2G1)_1210.56lm@250mA_P=8.5W_I=0.25A



cd/klm
η = 90%
C0 - C180
C90 - C270

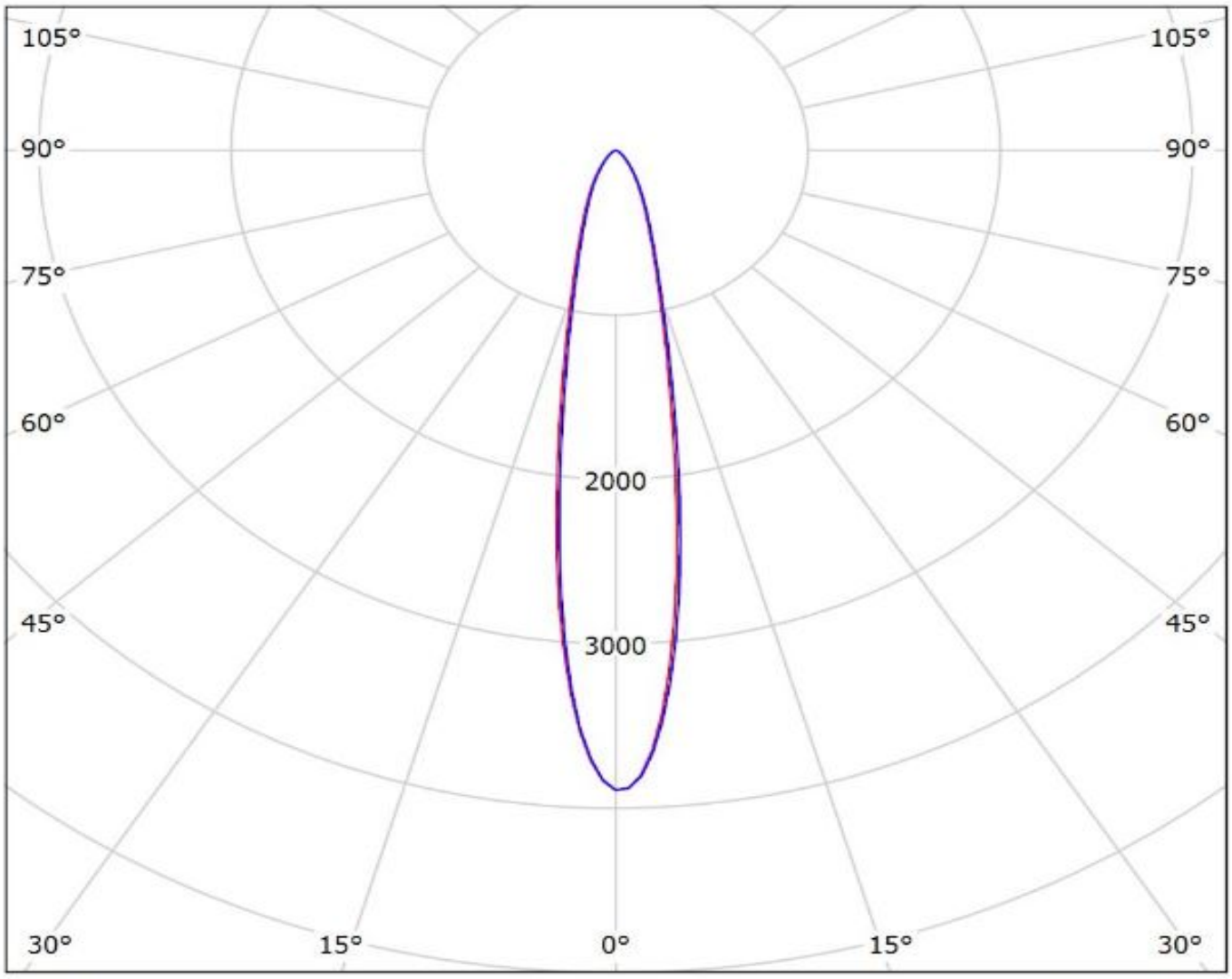
Luminaire: Ledil CN14236_WINNIE-S_(CLU710)
Lamps: 1 x CITIZEN_CLU710_(CLU710-1204B8-273M2G1)_1210.56lm@250mA_P=8.5W_I=0.25A



cd/klm
η = 90%
C0 - C180
C90 - C270

Ledil CN14236_WINNIE-S_(CLU710)_(470_Typ_L5) / LDC (Polar)

Luminaire: Ledil CN14236_WINNIE-S_(CLU710)_(470_Typ_L5)
Lamps: 1 x Citizen_CLU710_(CLU710-1204B8-273M2G1)_(470_Typ_L5)
_1134.69lm@250mA_CCT=2700K_P=8.5W_I=0.25A

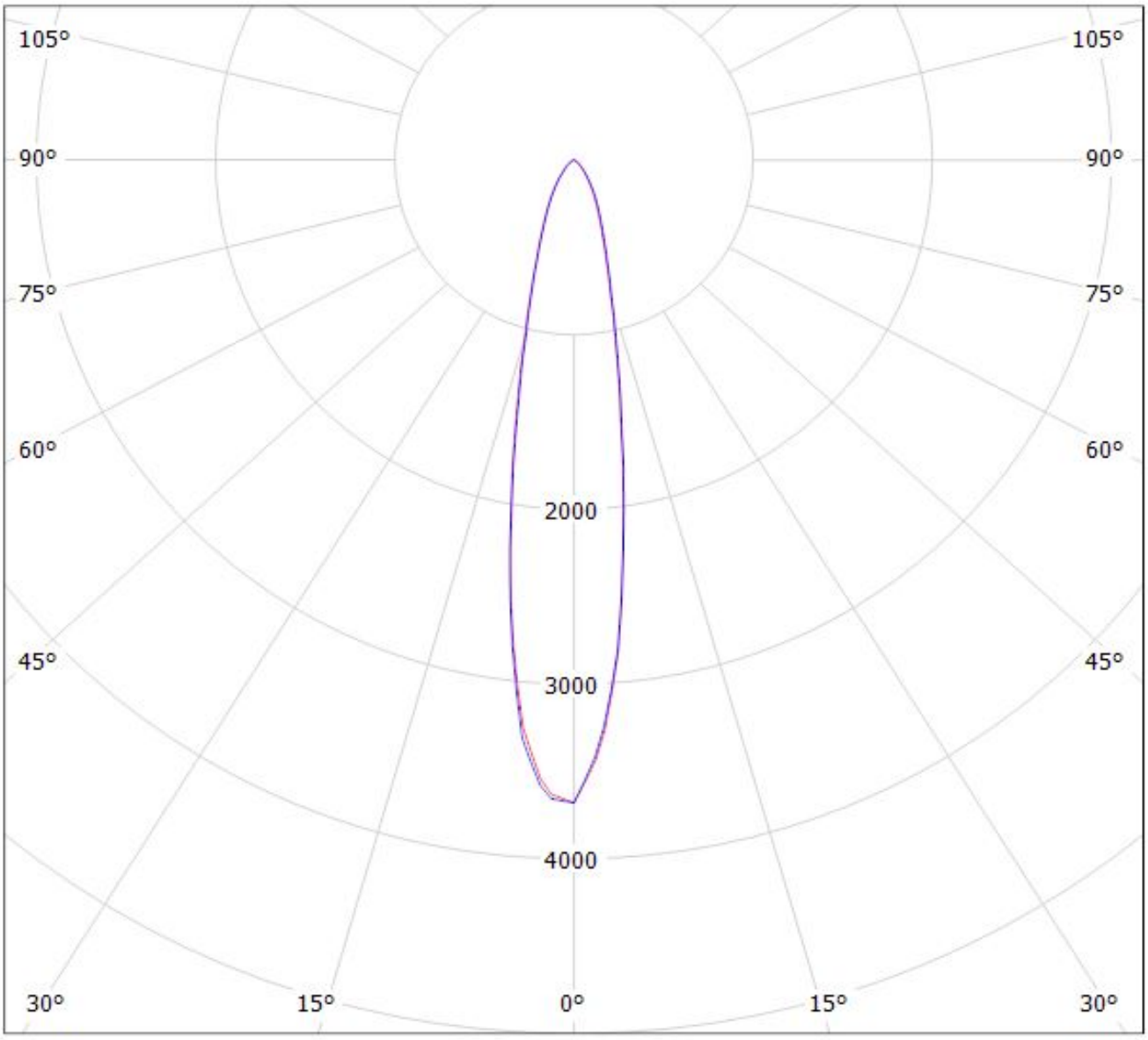


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CN14236_WINNIE-S_(CXA1520) Efficiency=87%
Lamps: 1 x Cree CXA1520 (CXA1520-30F-N4-N0H-0001) 898lm @ 250mA CCT=3000K P=8.50W I=250mA

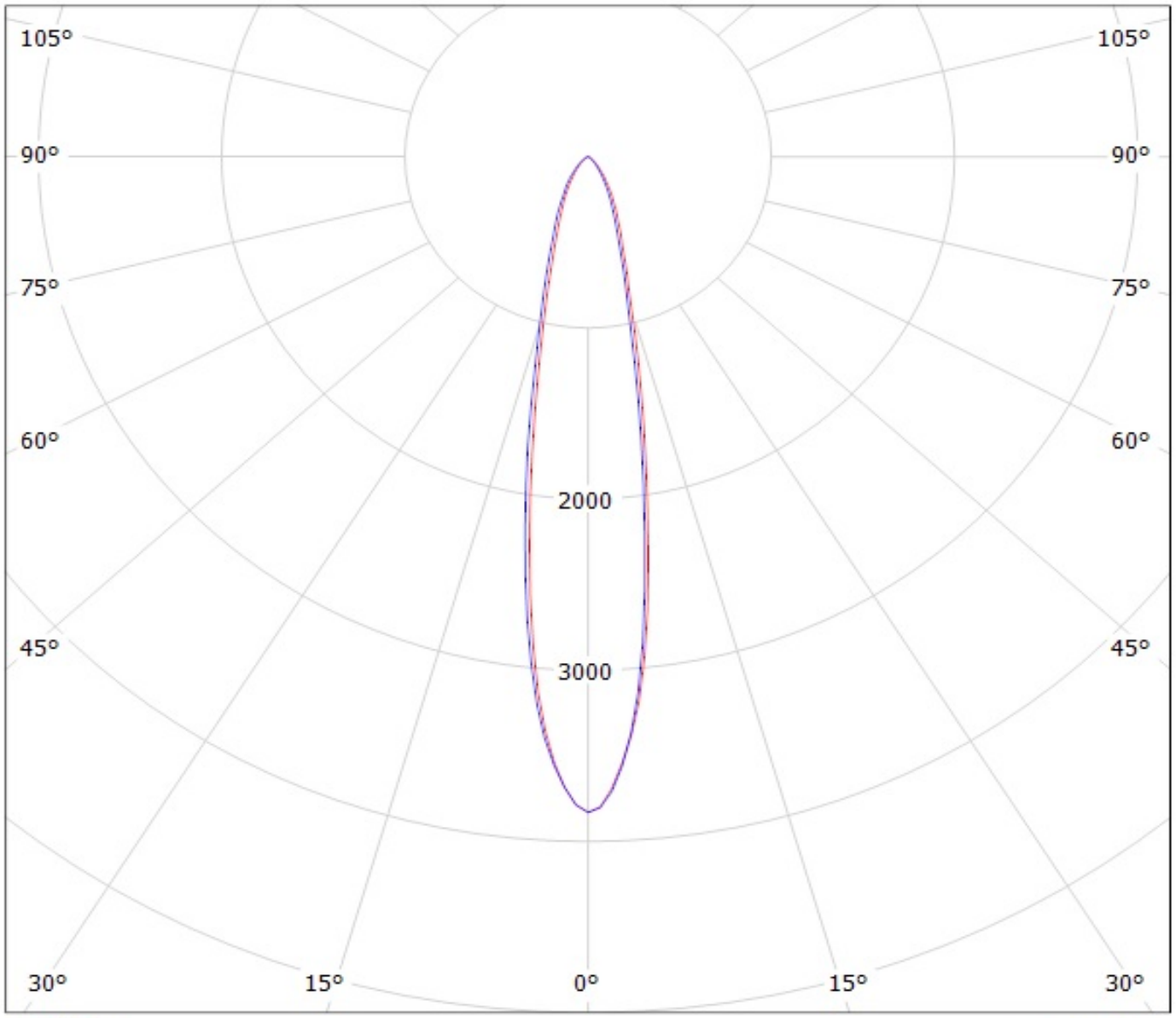


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDil Oy CN14236_WINNIE-S_(Soleriq_P9)
Lamps: 1 x Osram Soleriq P9 (GW MAFJB1.EM) 850.33lm @ 250mA CCT=4372K P=6.9W I=250mA

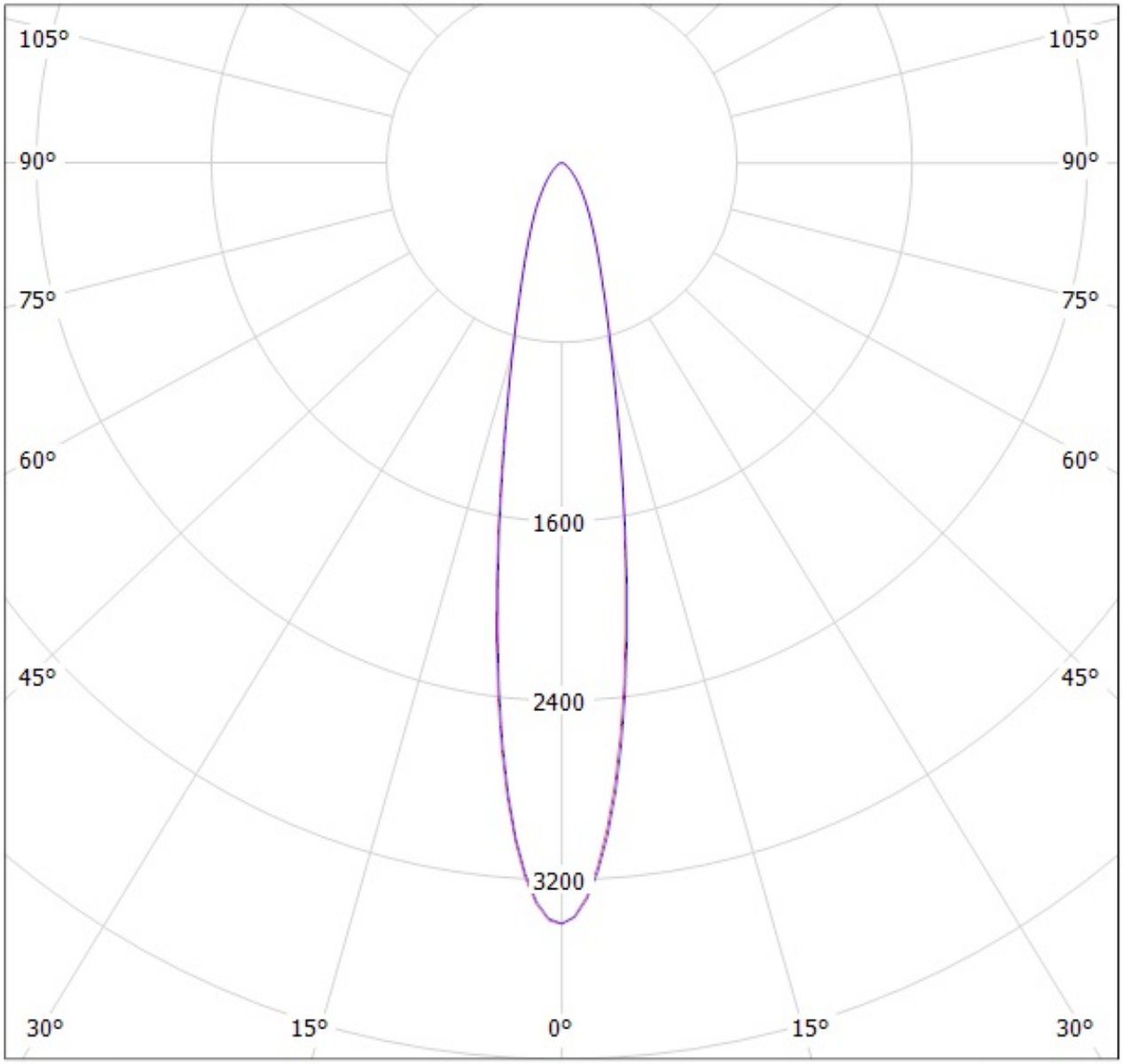


cd/klm

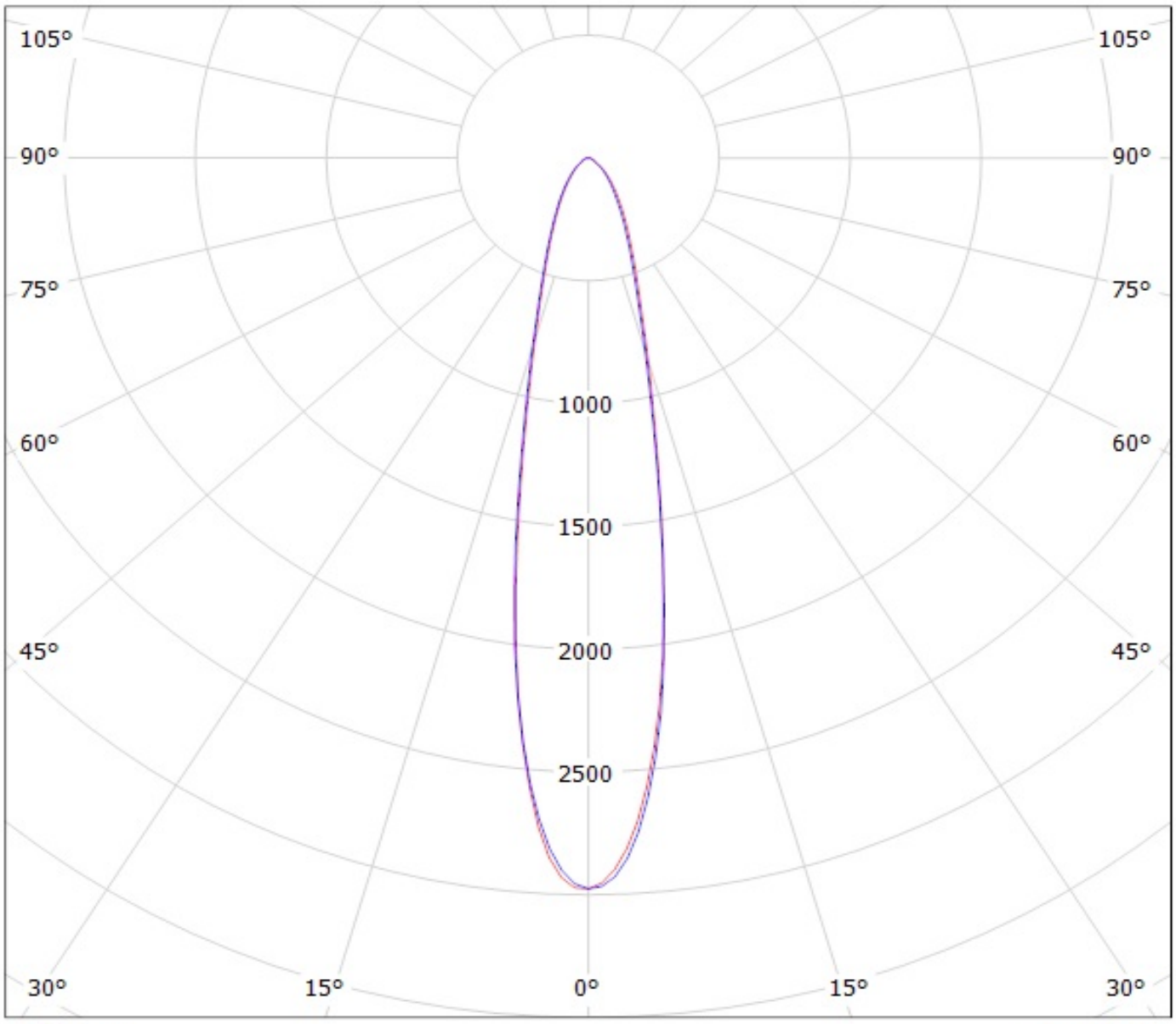
η = 89%

C0 - C180 C90 - C270

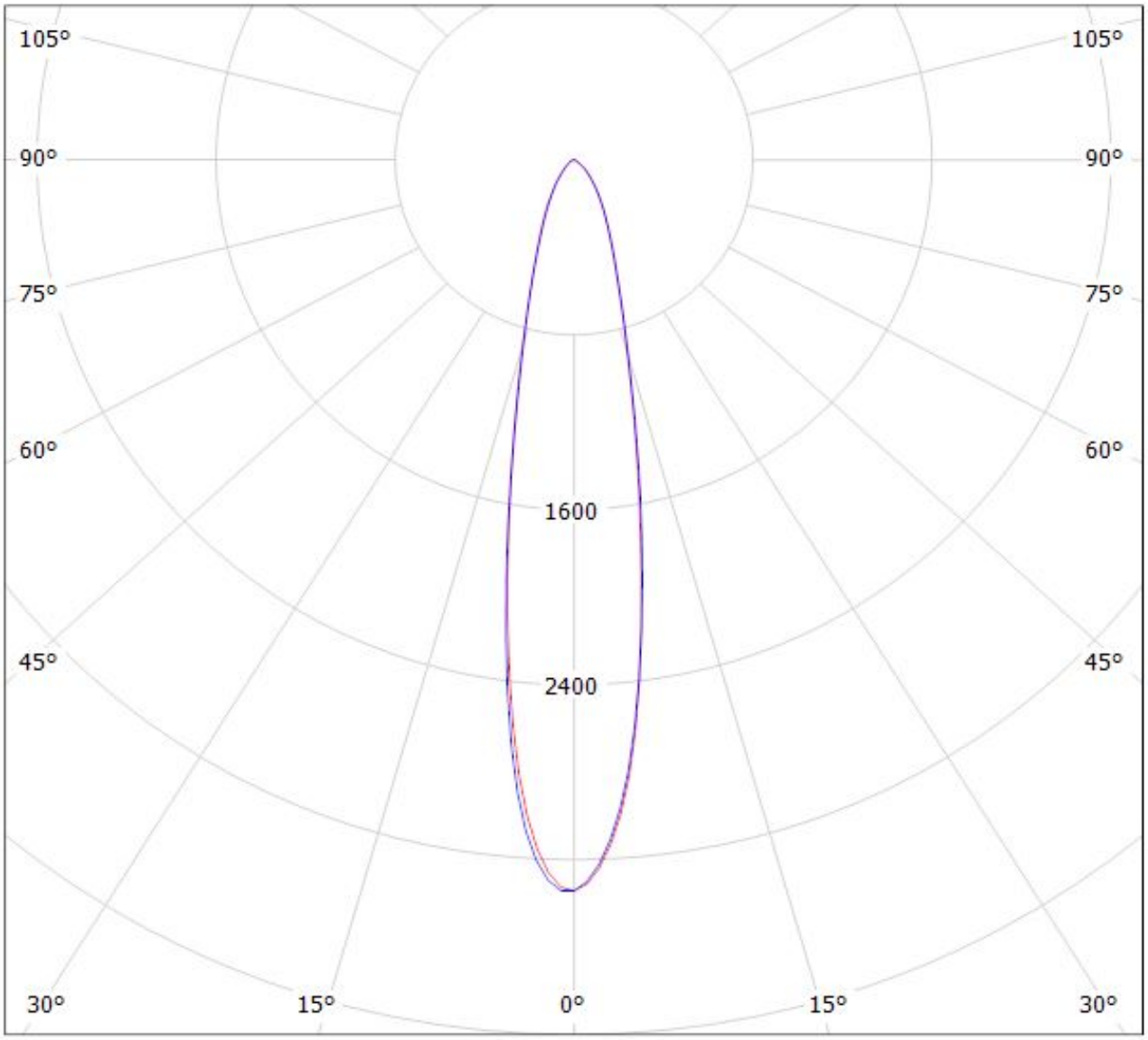
Luminaire: LEDiL Oy CN14236_WINNIE-S_(CLU024)_434-Typ-L5
Lamps: 1 x Citizen_CLU-024_(CLU024-1204B8-303M1A2)_434-Typ-L5_1023.5lm@250mA_P=8.57963W_I=0.2498A



Luminaire: LEDiL Oy CN14236_WINNIE-S_(VERO10)
Lamps: 1 x Bridgelux_VERO10_(301000B)_758.633lm@250mA_P=6.35346W_I=0.2499A



Luminaire: Ledil Oy CN14236_WINNIE-S_(CLL020) Efficiency=87%
Lamps: 1 x Citizen CLL020 (CLL020-1202A5-303H1A7) 339lm @ 120mA CCT=3000K P=4.20W I=120mA

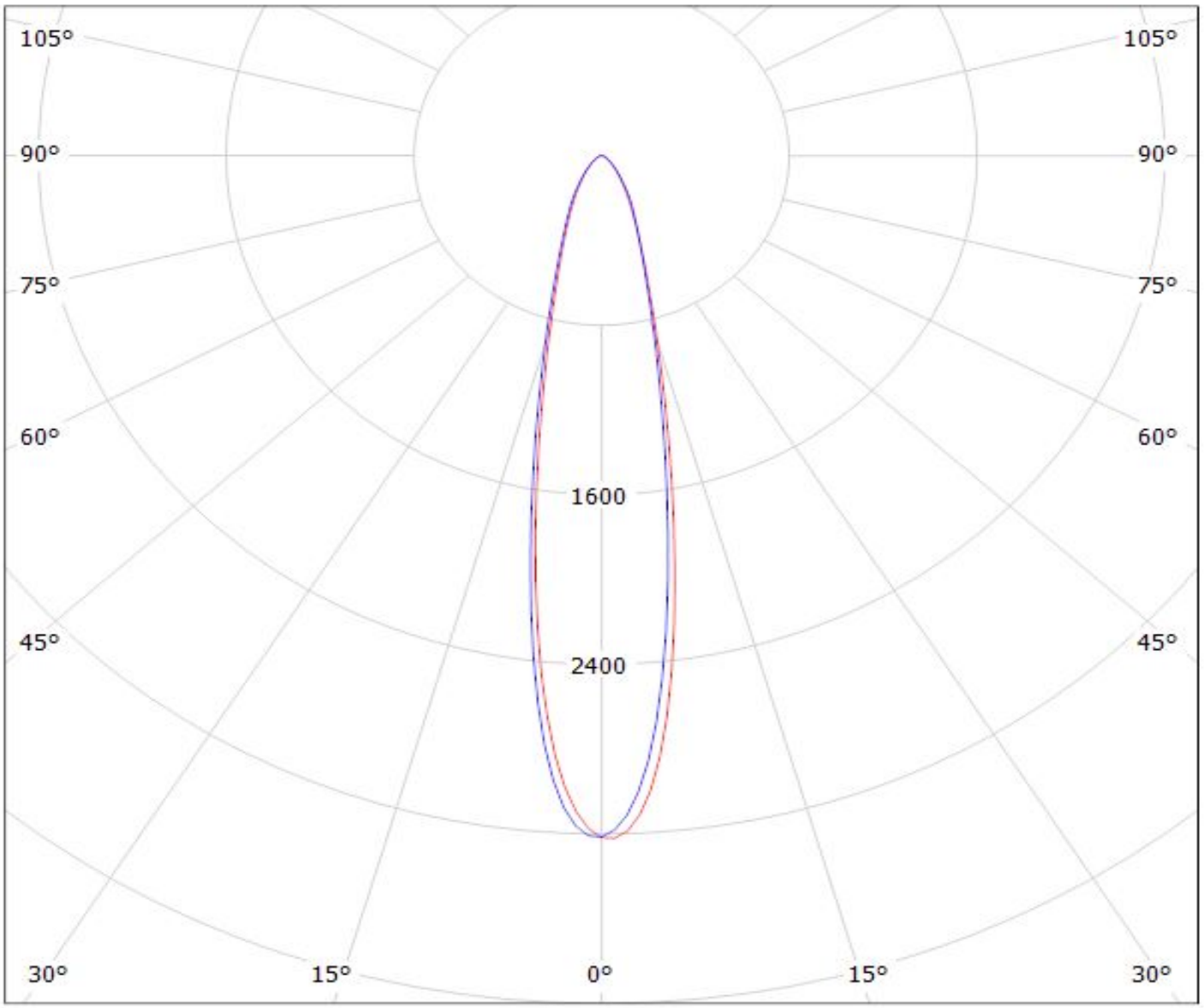


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN14236_WINNIE-S_(SLE-G5_LES-11)
Lamps: 1 x Tridonic_SLE-G5_LES-15_1138.42lm@250mA_P=8.4110W_I=0.250A

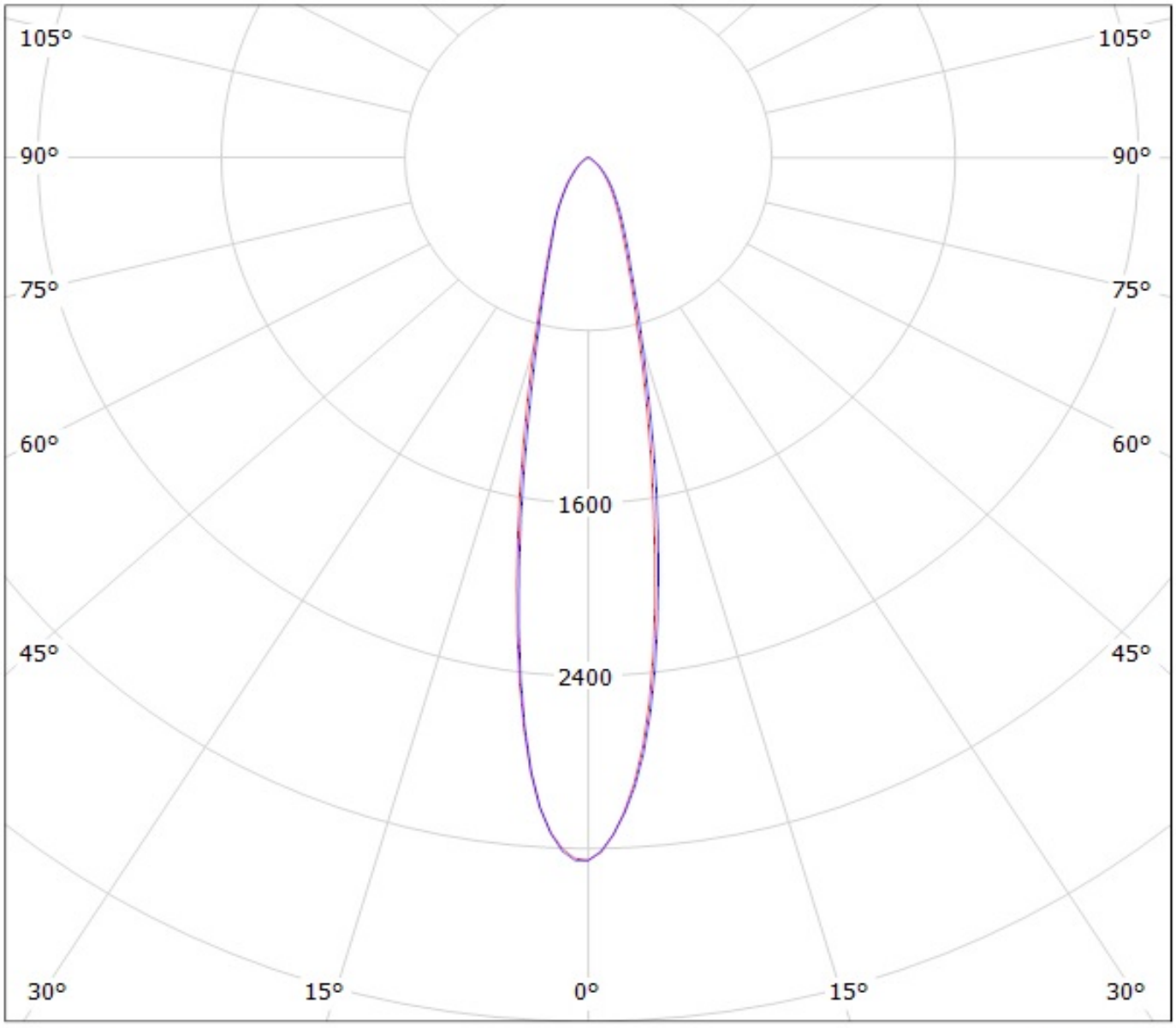


cd/klm

η = 87%

C0 - C180 C90 - C270

Luminaire: LEDil Oy CN14236_WINNIE-S_(CXM-9)
Lamps: 1 x Luminus XNOVA CXM-9 AC00 900.32lm @ 240mA P=8.6W I=240mA

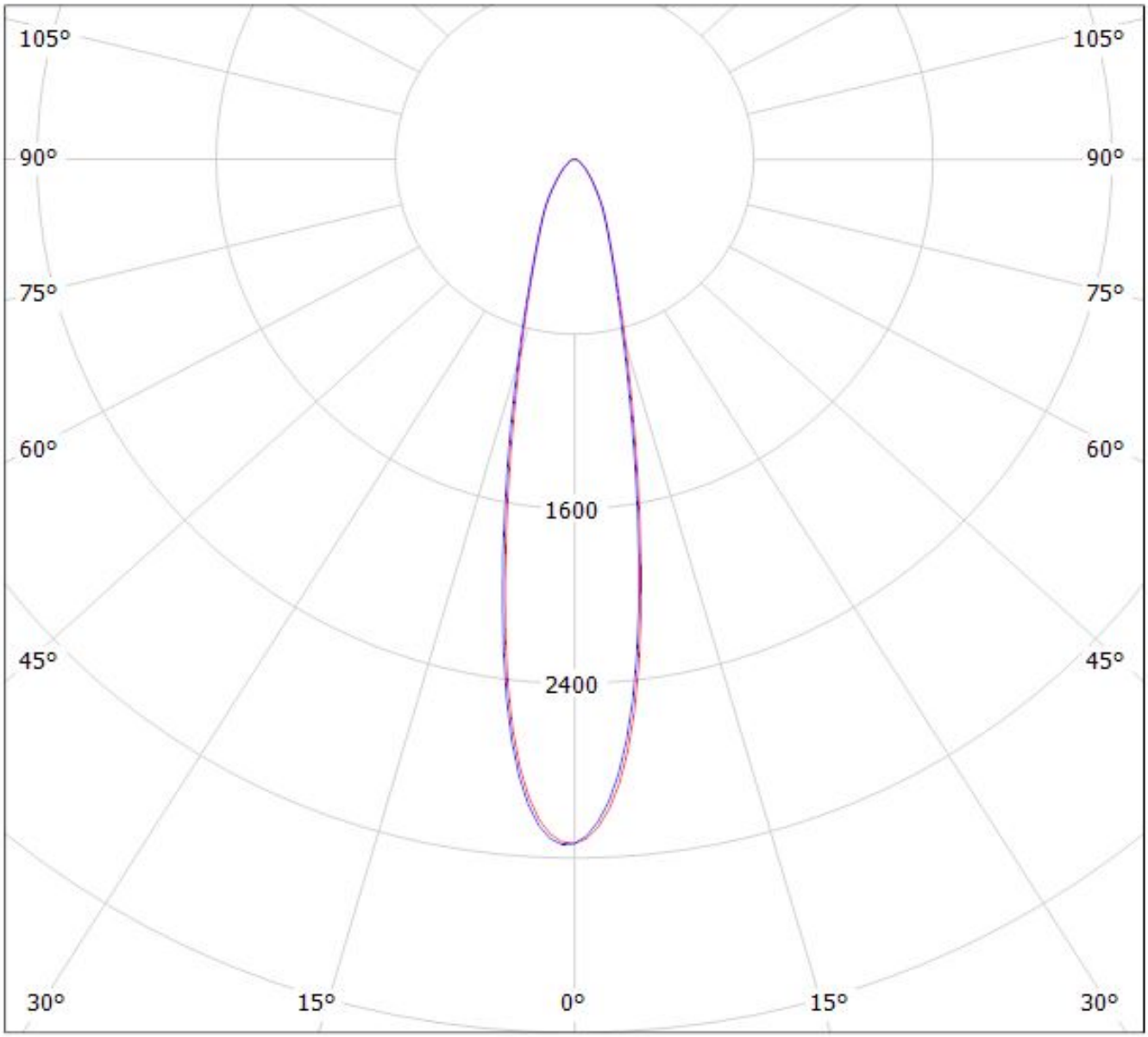


cd/klm

η = 87%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN14236_WINNIE-S_(CITIZEN_CLU720)
Lamps: 1 x CITIZEN_CLU720_(433 Typ L5)_1198.27lm@250mA_P=8.30318W_I=0.25A

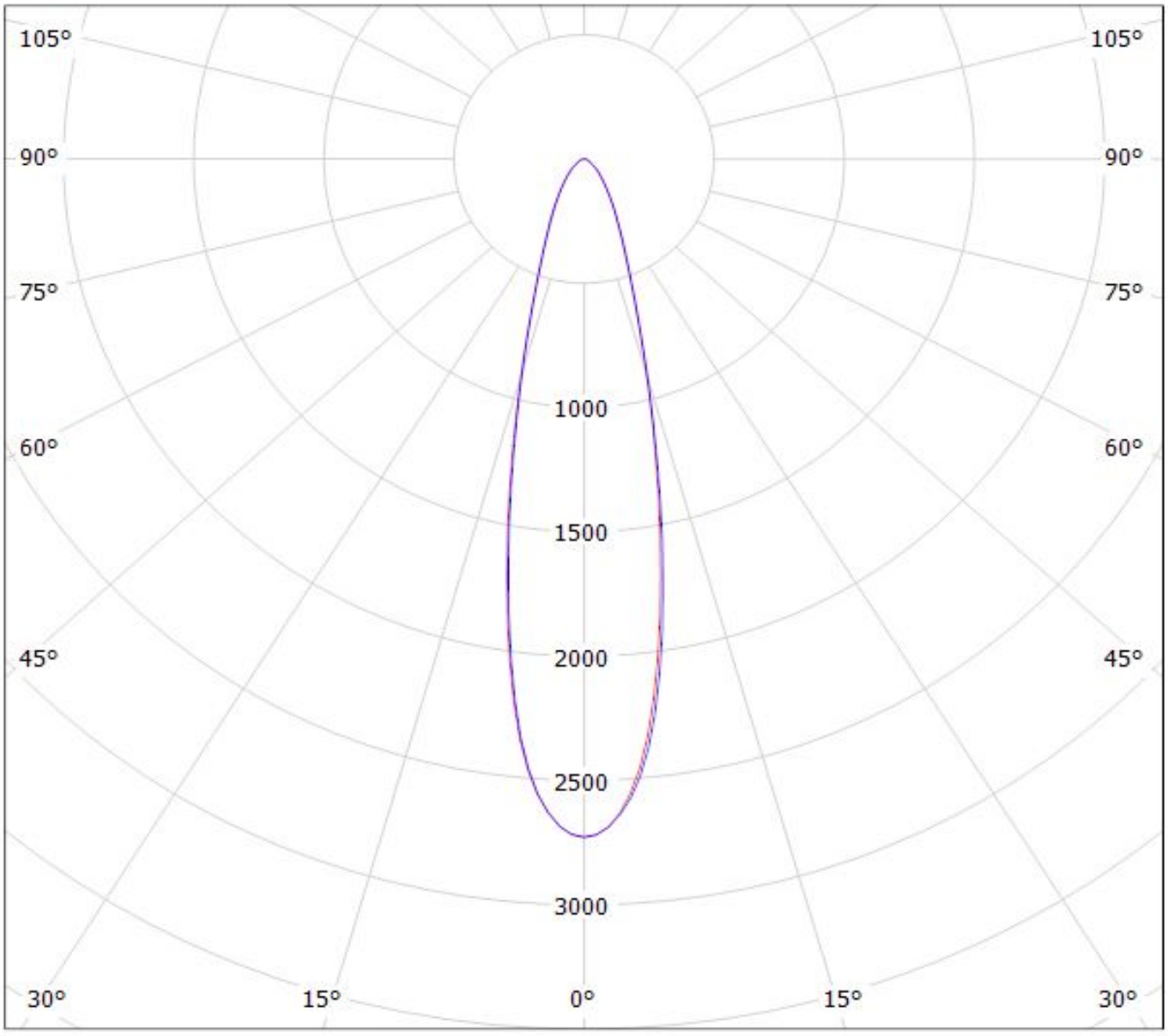


cd/klm

η = 93%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN14236_WINNIE-S_(DMC125)
Lamps: 1 x DMC125+433_Typ_L5_1101.77lm@250mA_P=8.53017W_I=250mA

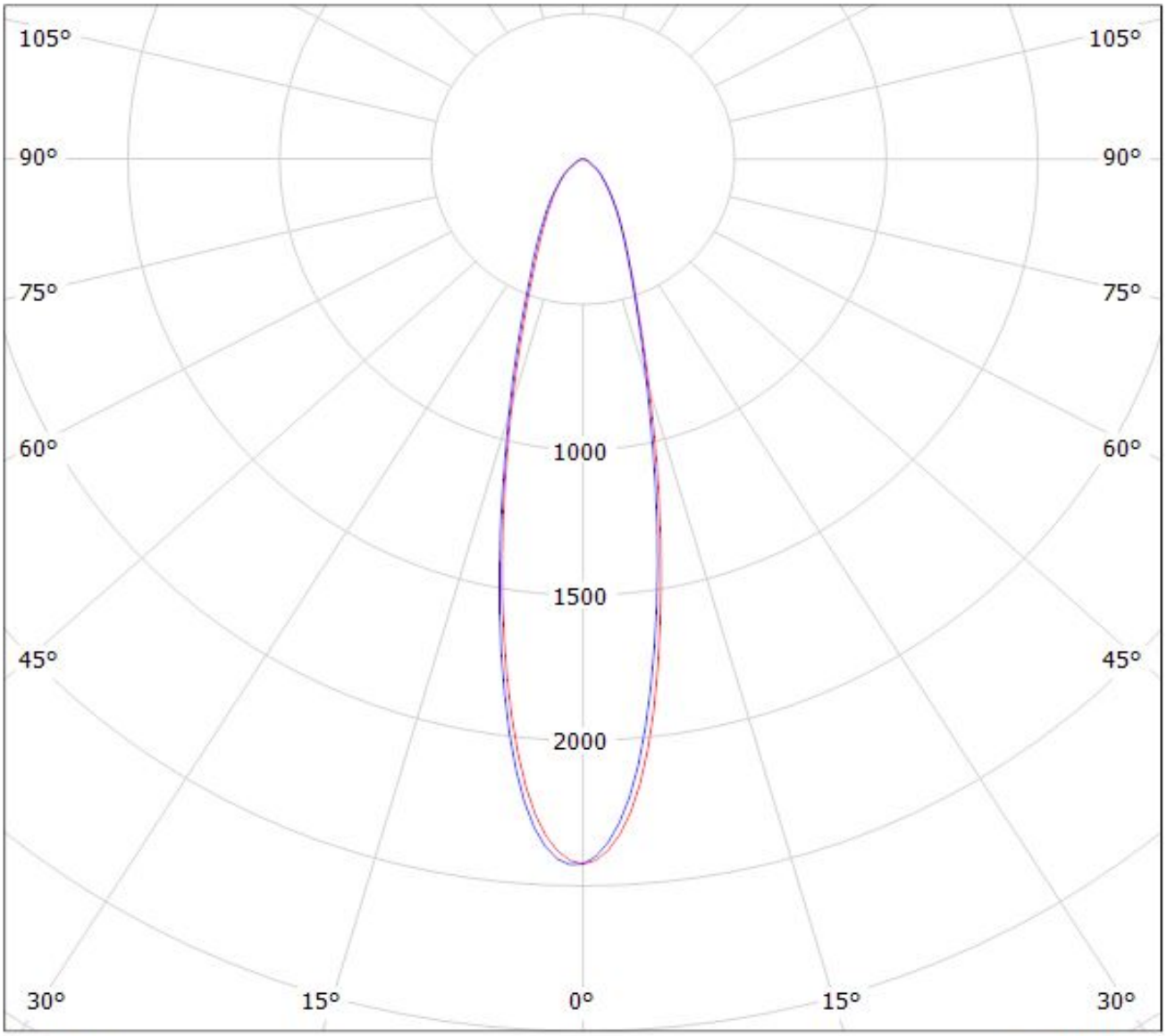


cd/klm

η = 89%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CN14236_WINNIE-S_(CXA1816) Efficiency=86%
Lamps: 1 x Cree CXA1816 1015lm @ 250mA CCT=3210K P=8.80W I=250mA

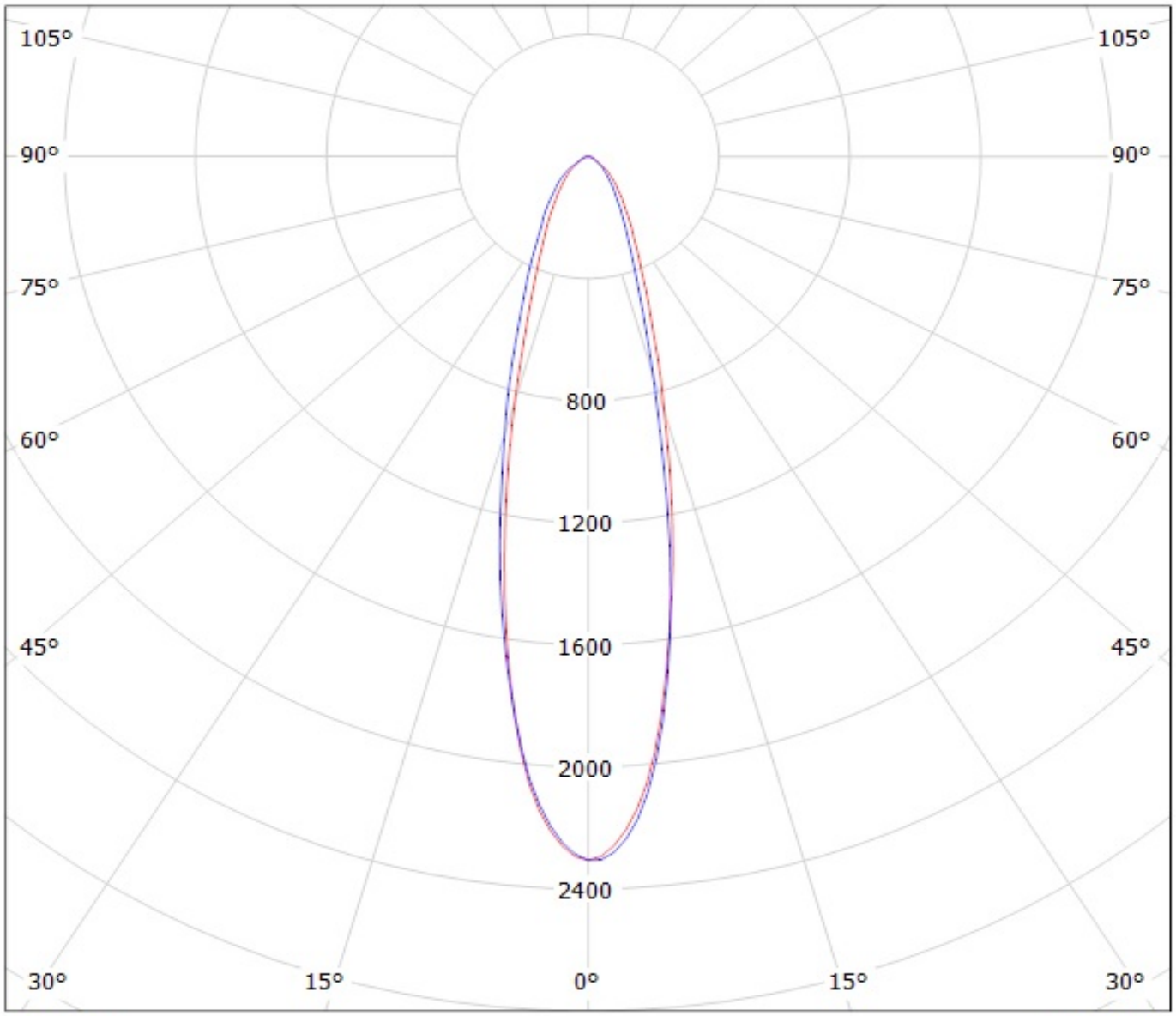


cd/klm

η = 87%

C0 - C180 C90 - C270

Luminaire: LEDil Oy CN14236_WINNIE-S_(Soleriq_S13)
Lamps: 1 x Osram Soleriq S13 (GW KAGHB1.EM) 833.7lm @ 250mA CCT=3125K P=7.2W I=250mA

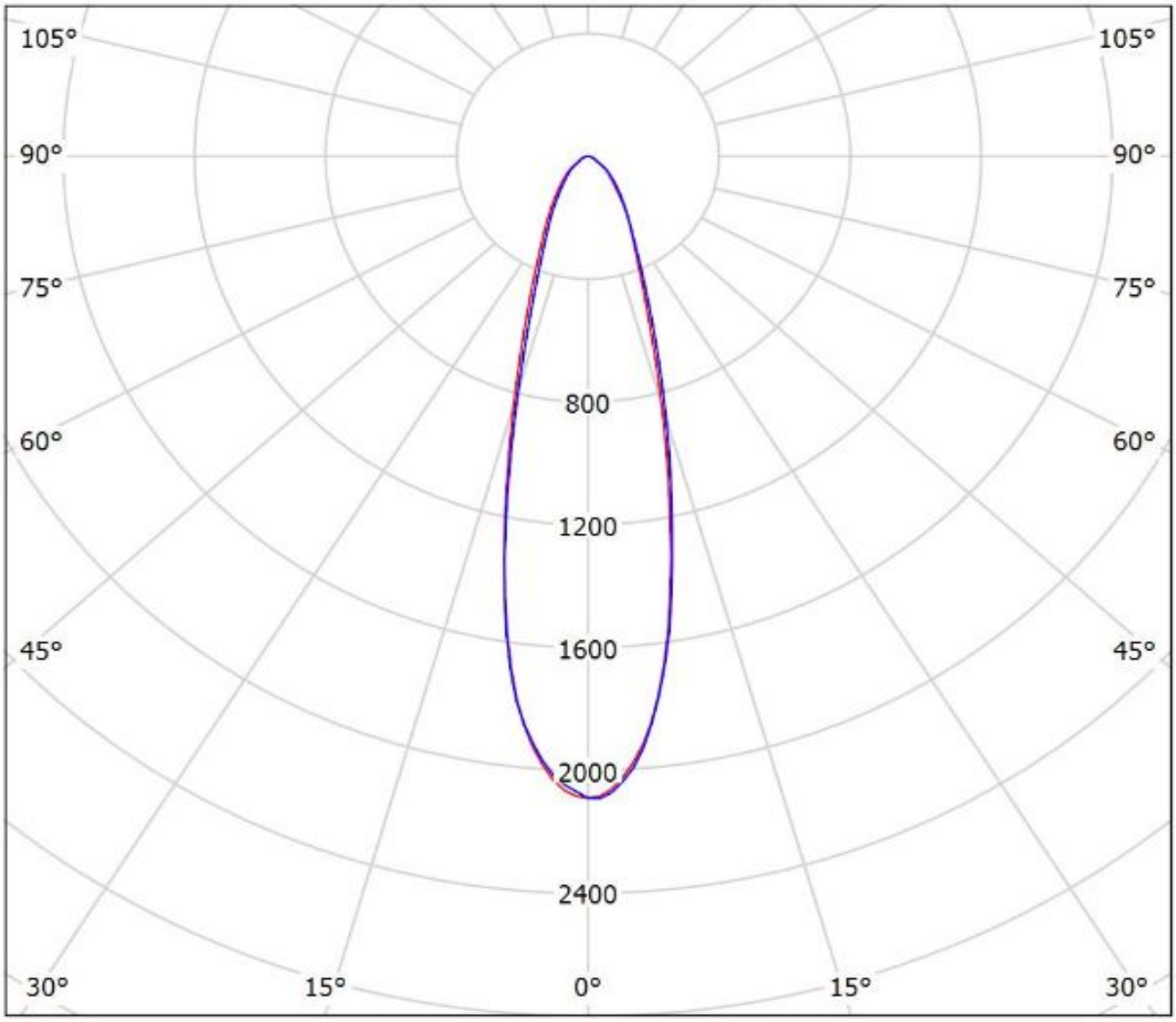


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN14236_WINNIE-S_(SOLERIQ_P13)
Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_929.576lm@250mA_CCT=3500K_P=8.72876W_I=249.8mA

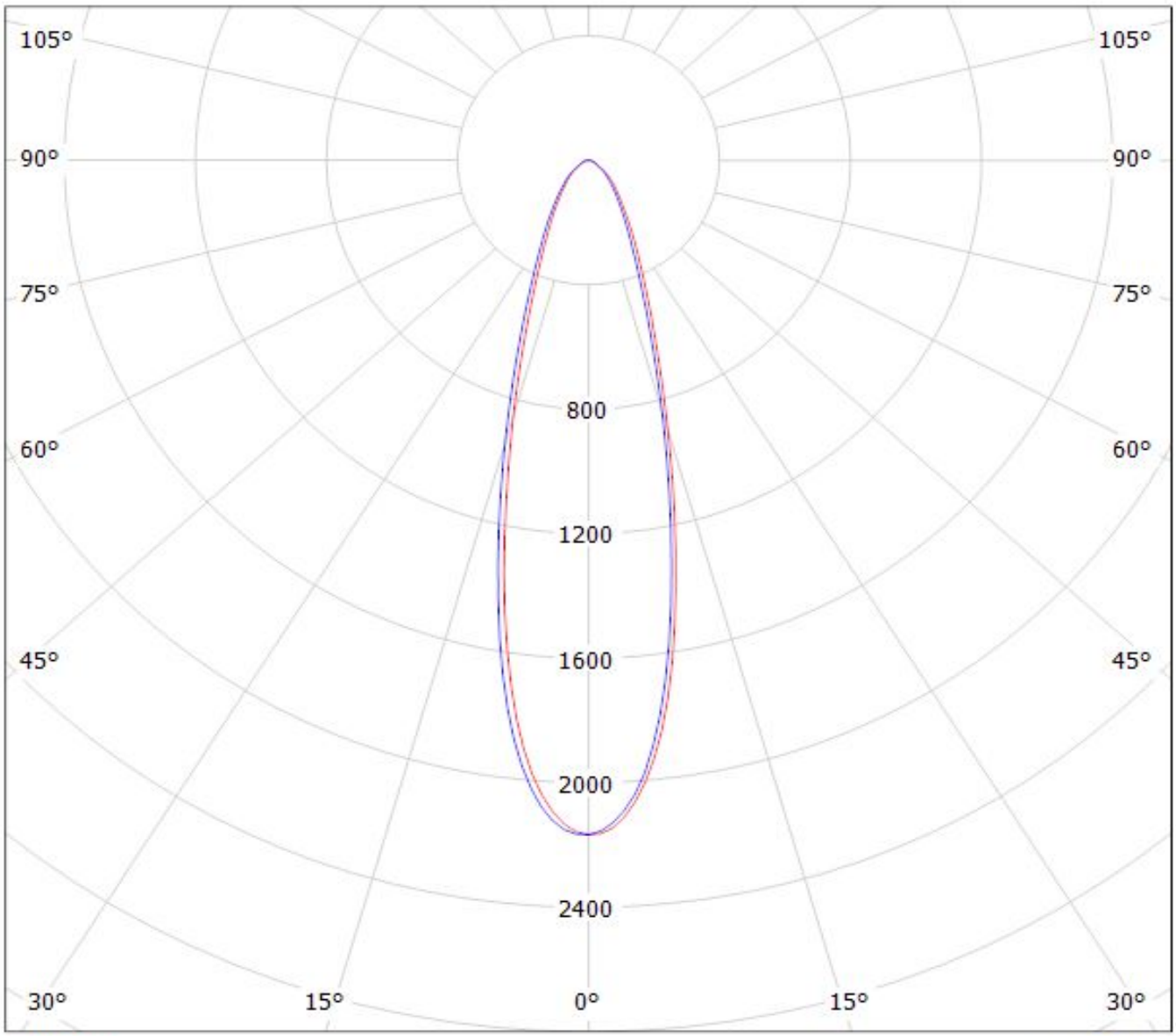


cd/klm

η = 87%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN14236_WINNIE-S_(ZC12)
Lamps: 1 x Seoul_ZC12_(SDW82F1C)_+_B+W_433_Typ_L5_1217.21lm@250mA_P=8.64733W_I=250mA

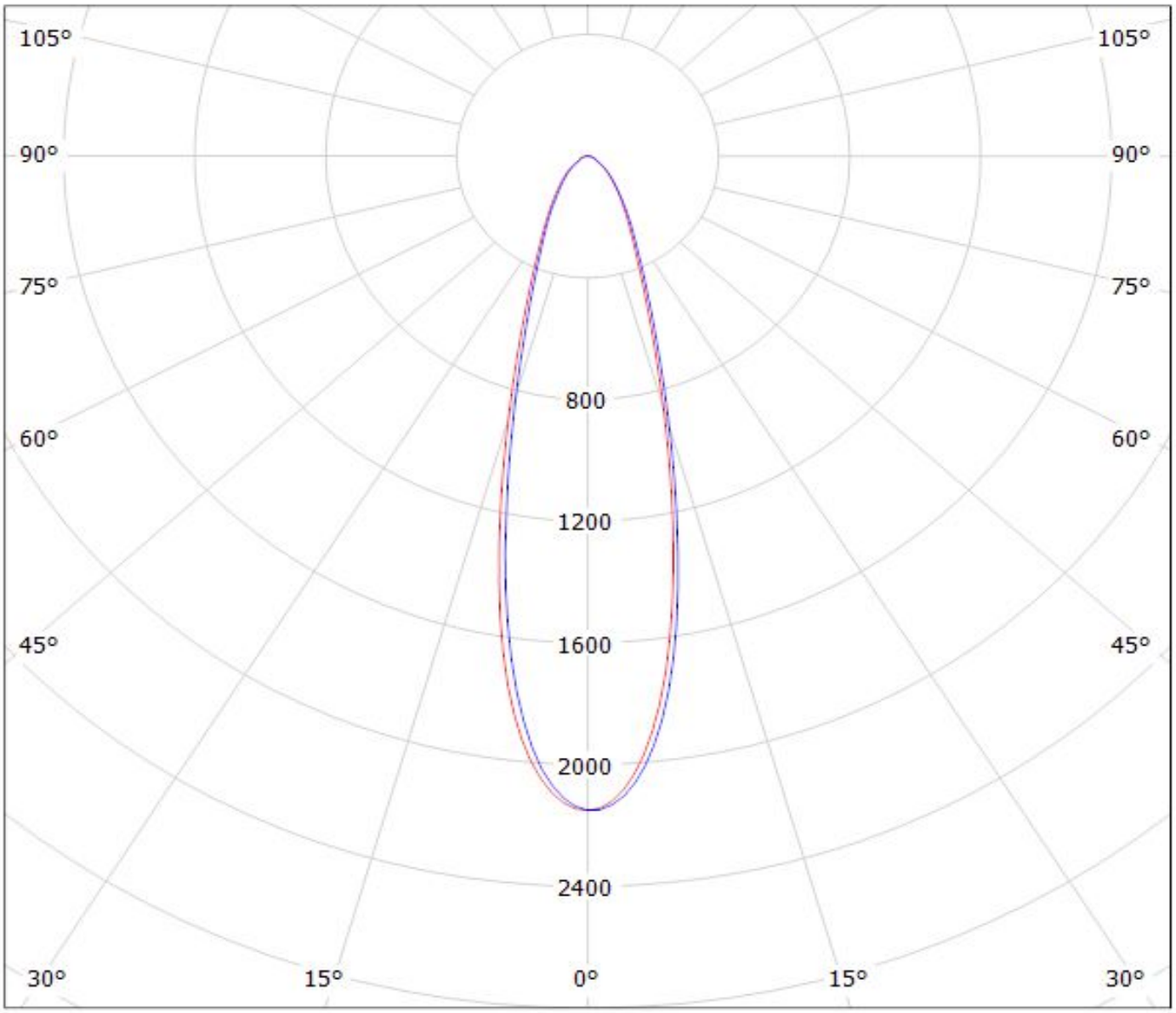


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN14236_WINNIE-S_(SLE-G5_LES-15)
Lamps: 1 x Tridonic_SLE-G5_LES-15_1267.45lm@250mA_P=8.6695W_I=0.250A

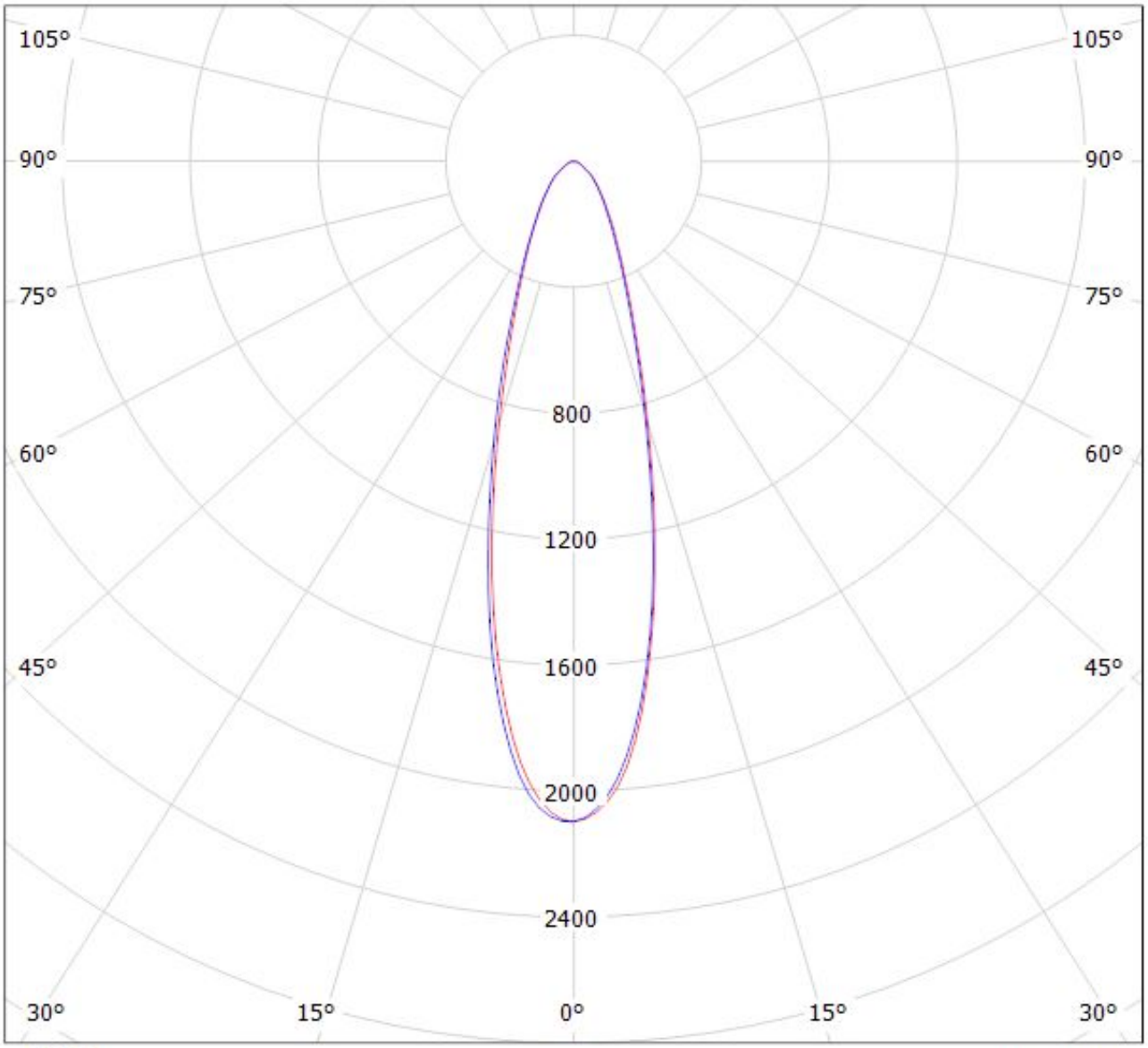


cd/klm

η = 89%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CN14236_WINNIE-S_(CLL030) Efficiency=87%
Lamps: 1 x Citizen CLL030 (CLL030-1206A1-303M1A2) 856lm @ 250mA CCT=3000K P=8.75W I=250mA

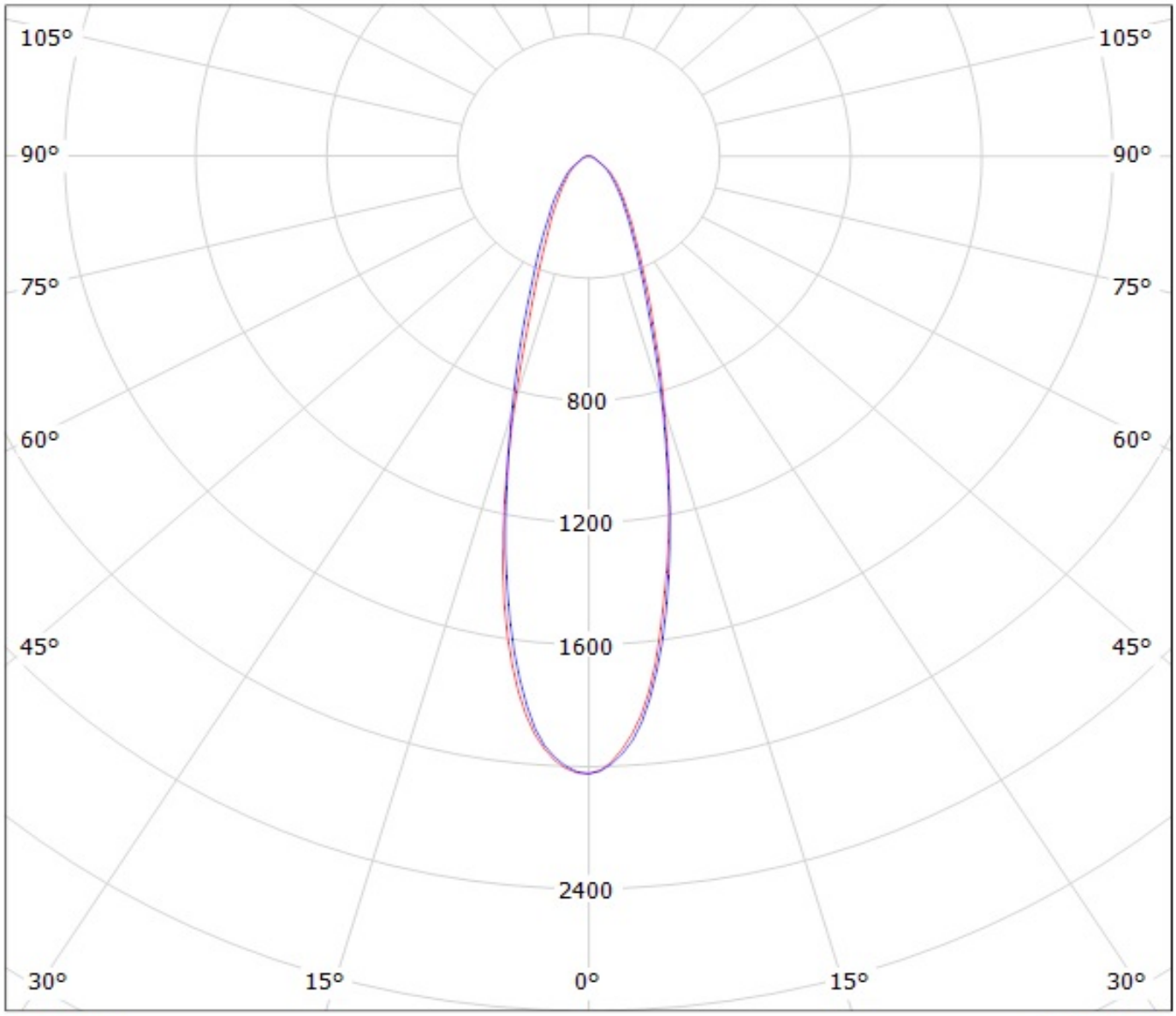


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDil Oy CN14236_WINNIE-S_(CXM-14)
Lamps: 1 x Luminus CXM-14 (1058.75lm @ 250mA) CCT=3100K P=8.3W I=250mA

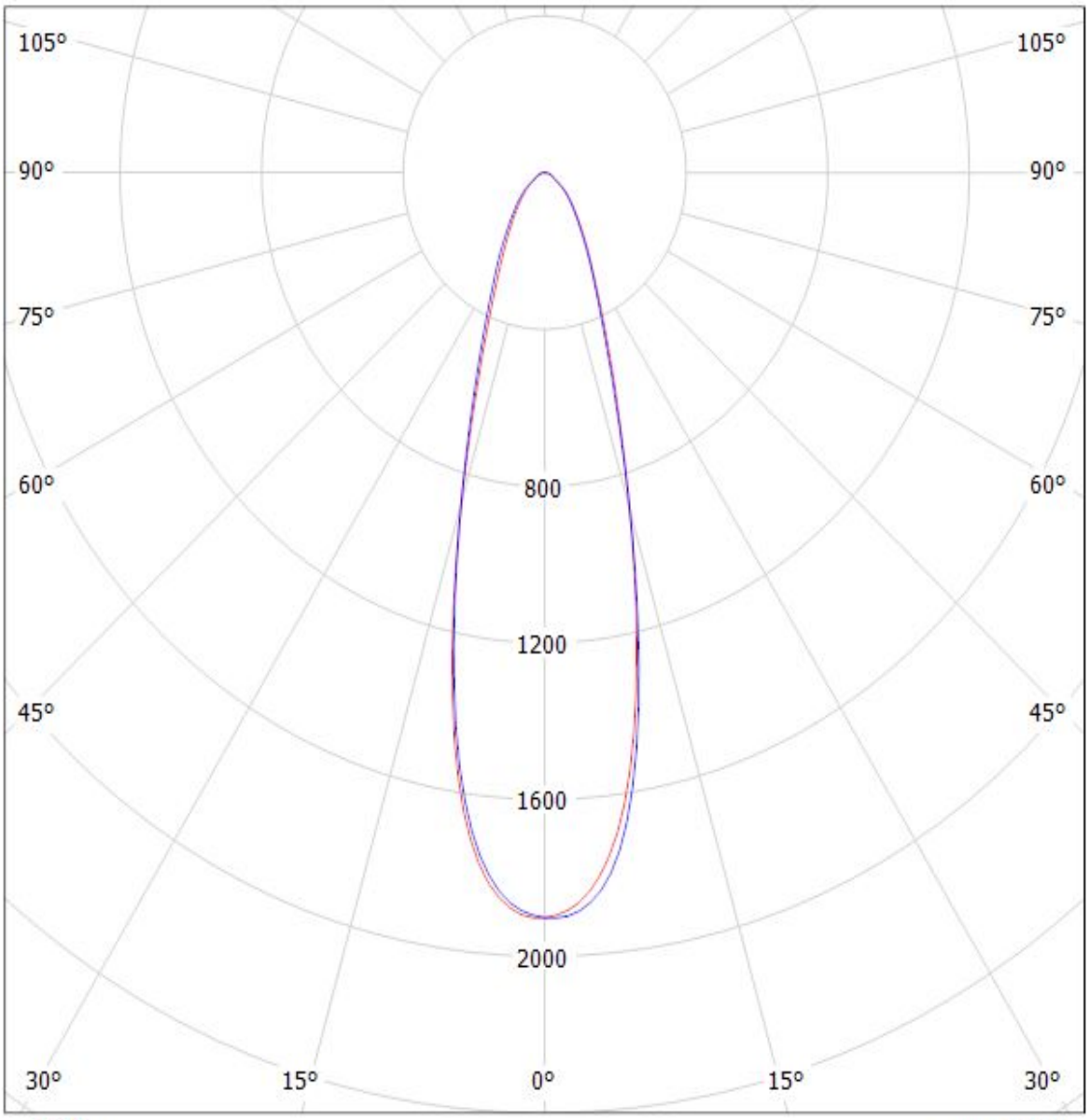


cd/klm

η = 86%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN14236_WINNIE-S_(CLU034)
Lamps: 1 x Citizen_CLU034_(CLL034-1205B8-303M1A2)_+_B+W_433_Typ_L5_1154.06lm@250mA_P=8.45523W_I=250mA

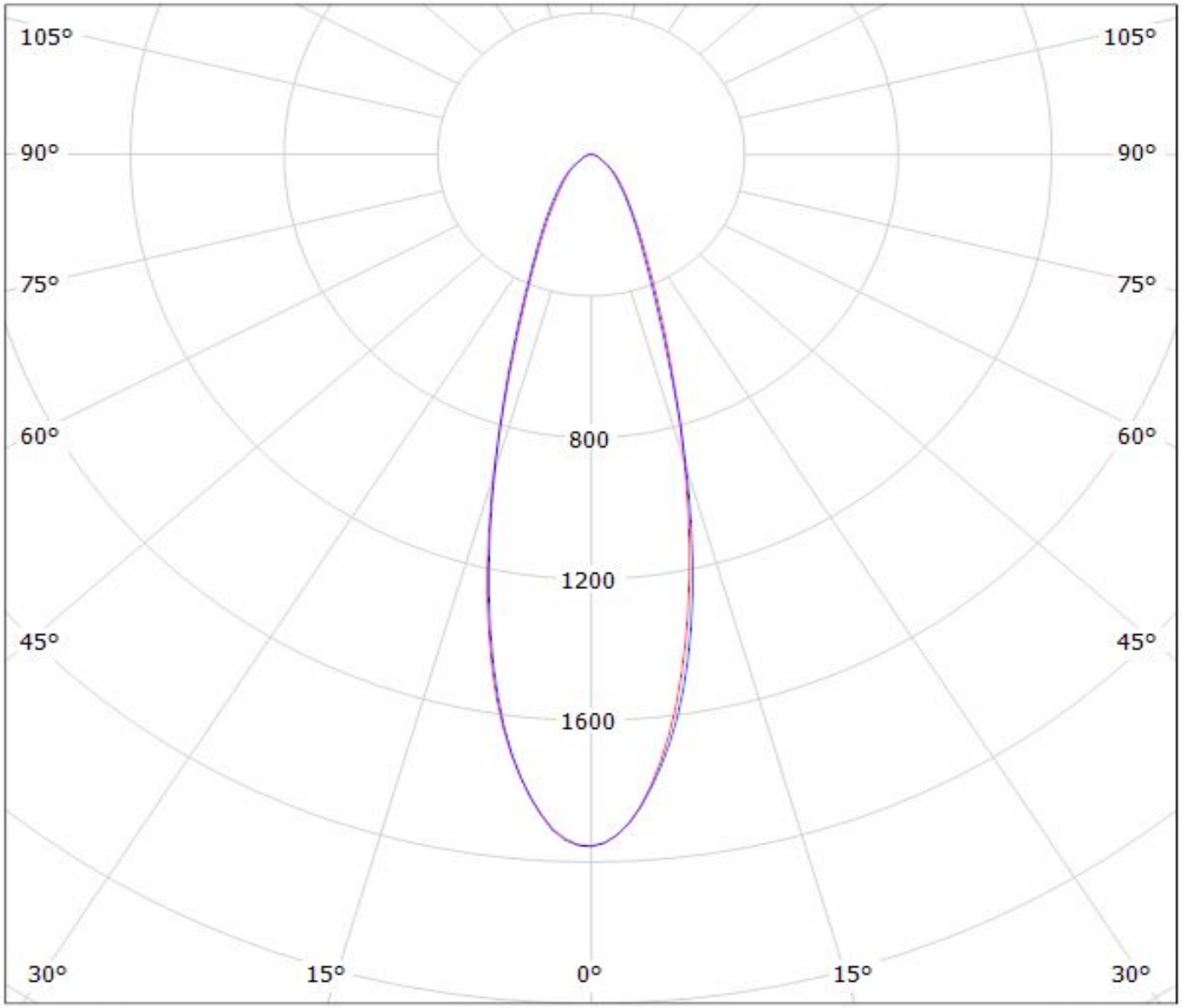


cd/klm

η = 88%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN14236_WINNIE-S_(DMC128)
Lamps: 1 x DMC128+433_TYP_L5_825.549lm@250mA_P=8.28162W_I=250mA

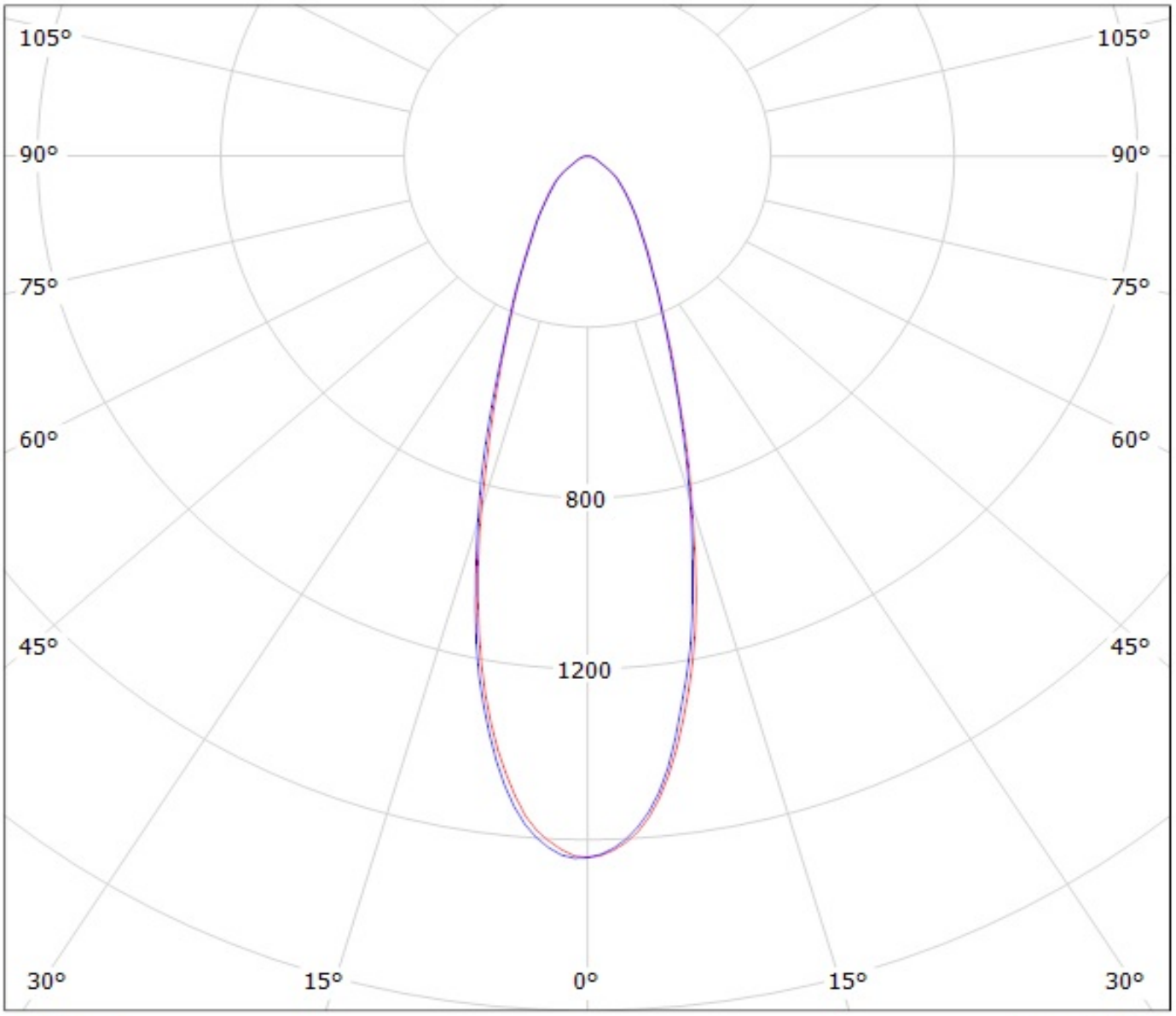


cd/klm

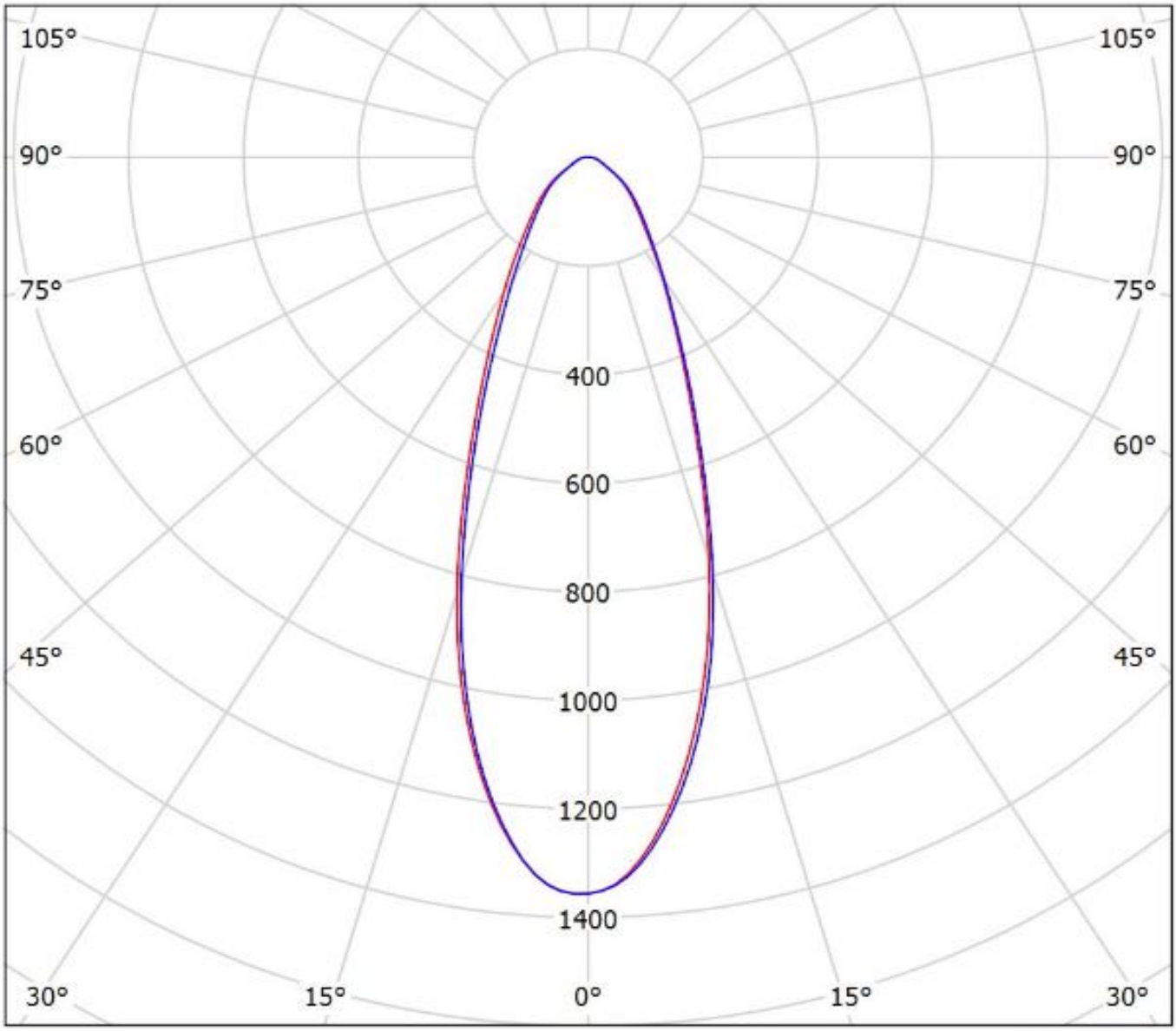
η = 88%

C0 - C180 C90 - C270

Luminaire: LEDil Oy CN14236_WINNIE-S_(Soleriq_S19)
Lamps: 1 x Osram Soleriq S19 (GW KAHJB1.EM) 1345.37lm @ 250mA CCT=2904K P=10.5W I=250mA



Luminaire: Ledil CN14236_WINNIE-S_(V18)
Lamps: 1 x Bridgelux_V18_(BXRC-30E4000-F-23)_1084.28lm@250mA_P=6.8355W_I=0.250A



cd/klm

η = 88%

C0 - C180 C90 - C270

NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.

GENERAL INFORMATION

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.

Note! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.