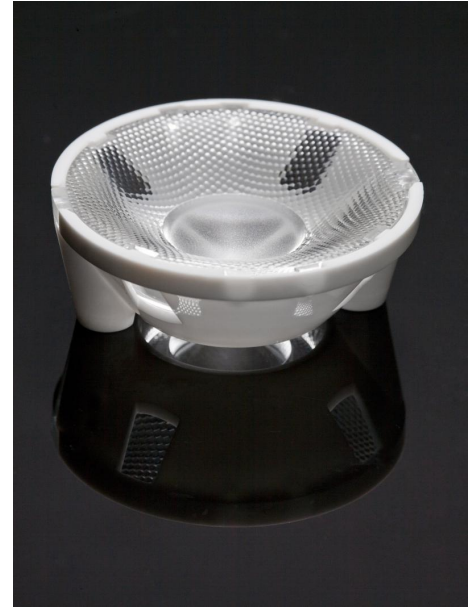


DETAILS

Product Number	CN14237_WINNIE-M
Family	Winnie
Type	Assembly
Color	white
Diameter	49,8 mm
Height	19,3 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	screw
Status	production ready
ROHS Compliant	Yes
Date Updated	11/04/2017



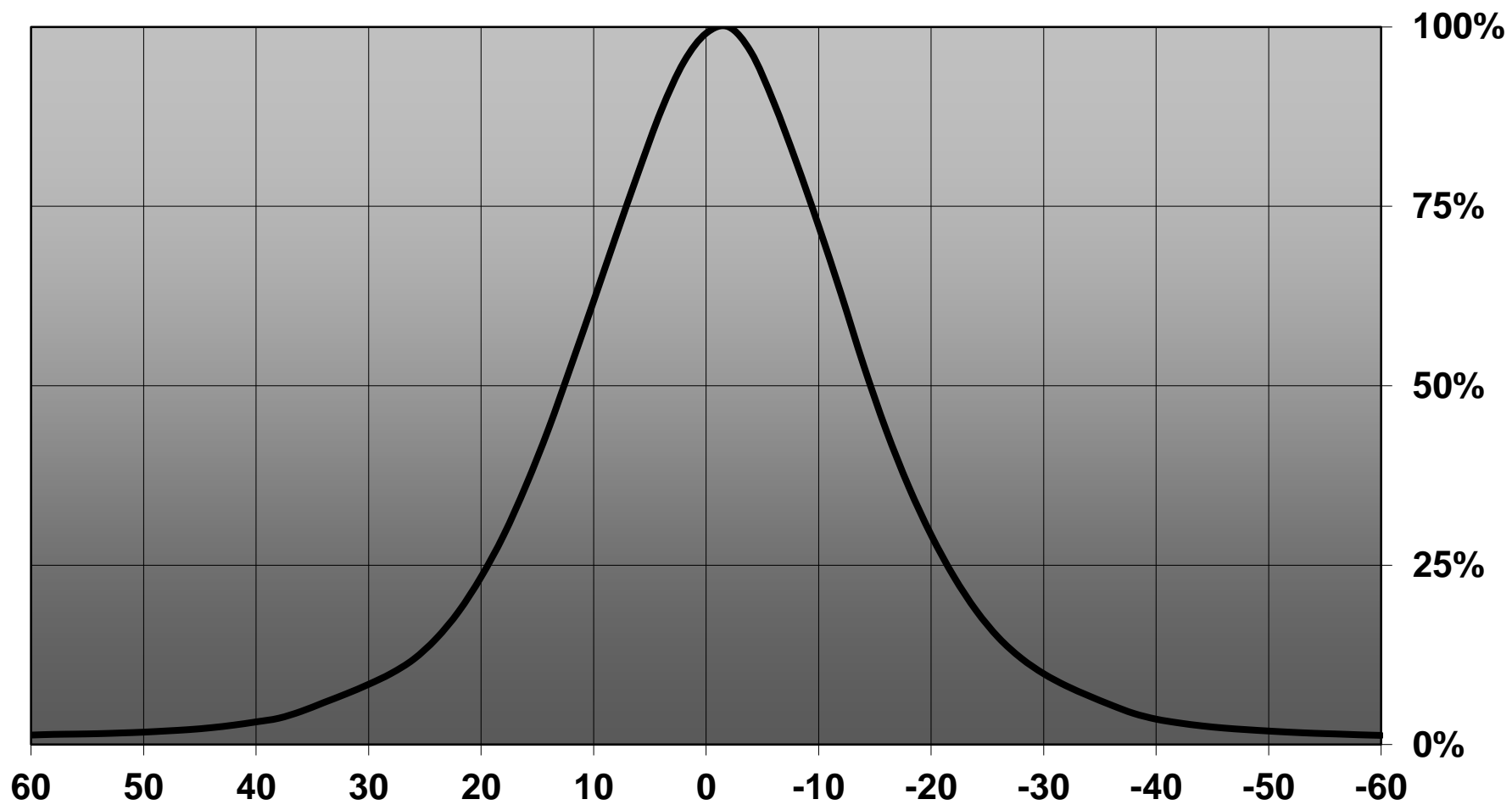
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
V6 Gen6	27 deg	Medium	86 %	2.400	-
V8 Gen6	31 deg	Medium	85 %	1.800	-
VERO10	36 deg	Medium	89 %	1.600	-
V18 Gen6	58 deg	Medium	88 %	0.720	-
CLL01x	27 deg	Medium	85 %	2.400	-
CLL02x/CLU02x (LES10)	35 deg	Medium	87 %	2.300	-
CLL03x/CLU03x	49 deg	Medium	86 %	0.930	Bender Wirth: 433 Typ L5
CLU720/721	41 deg	Medium	90 %	1.300	Bender Wirth: 433 Typ L5
CLU710/711	32 deg	Medium	86 %	1.700	-
CLL02x/CLU02x (LES10)	35 deg	Medium	86 %	1.600	Bender Wirth: 434 Typ L5
CLU700/701	28 deg	Medium	87 %	2.400	Bender Wirth: 434 Typ L5
CLU700/701	27 deg	Medium	89 %	2.600	-
CLU710/711	33 deg	Medium	87 %	1.800	Bender Wirth: 470 Typ L5
CLL02x/CLU02x (LES10)	sim: 35	Medium	sim: 92 %	sim: 1.800	-
CXA/B 15xx	31 deg	Medium	86 %	2.100	-
CXA/B 13xx	26 deg	Medium	87 %	2.800	-
MHD-E/G	30 deg	Medium	87 %	1.900	-
CXA/B 25xx	55 deg	Medium	85 %	0.770	-
LUXEON CoB 1202s	27 deg	Medium	86 %	2.500	-
LUXEON CoB 1202/1203	34 deg	Medium	86 %	1.700	-
LUXEON CoB Compact	sim: 27	Medium	sim: 86 %	sim: 2.500	-
CXM-9	36 deg	Medium	87 %	1.700	-
CXM-14	45 deg	Medium	85 %	1.000	-
CXM-14	sim: 49	Medium	sim: 86 %	sim: 0.930	Bender Wirth: 433 Typ L5
CXM-9	sim: 35	Medium	sim: 86 %	sim: 1.600	Bender Wirth: 434 Typ L5

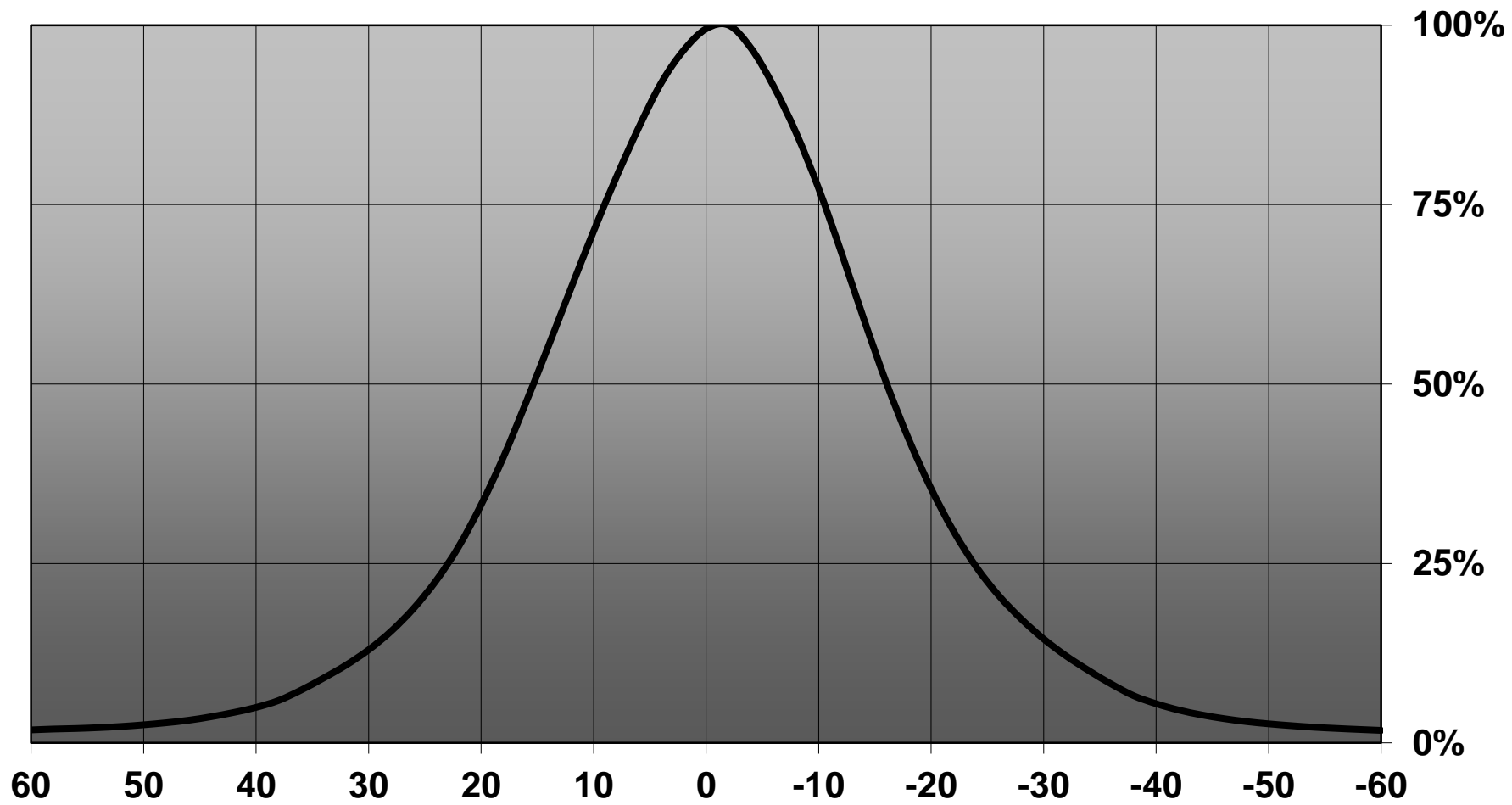
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
Soleriq P6	28 deg	Medium	86 %	2.300	-
Soleriq P9	34 deg	Medium	86 %	1.700	-
Soleriq P13	45 deg	Medium	82 %	1.000	-
Soleriq S13	41 deg	Medium	85 %	1.200	-
Soleriq S19	55 deg	Medium	83 %	0.800	-
Duris S10	24 deg	Medium	88 %	3.100	-
Soleriq S9	sim: 32	Medium	sim: 90 %	sim: 1.900	-
LC010C	sim: 27	Medium	sim: 92 %	sim: 3.000	Bender Wirth: 479 Typ L5
LC020C	sim: 32	Medium	sim: 90 %	sim: 2.100	Bender Wirth: 479 Typ L5
LC040C	sim: 40	Medium	sim: 89 %	sim: 1.400	Bender Wirth: 479 Typ L5
COB D Series LES 9.8 mm	35 deg	Medium	87 %	1.600	-
COB D Series LES 14.5 mm	48 deg	Medium	85 %	0.940	-
ZC12/18	46 deg	Medium	87 %	1.000	Bender Wirth: 433 Typ L5
ZC4/6	sim: 35	Medium	sim: 86 %	sim: 1.600	Bender Wirth: 434 Typ L5
MJT COB LES 9.8	36 deg	Medium	89 %	1.500	Bender Wirth: 434 Typ L5
MJT COB LES 14.5	51 deg	Medium	84 %	0.900	Bender Wirth: 433 Typ L5
SLE G5 LES6	26 deg	Medium	86 %	2.800	-
SLE G5 LES11	39 deg	Medium	87 %	1.500	-
SLE G5 LES15	46 deg	Medium	89 %	1.060	Bender Wirth: 433 Typ L5
SLE G6 LES15	sim: 44	Medium	sim: 92 %	sim: 1.200	Bender Wirth: 433 Typ L5
SLE G6 LES17	sim: 50	Medium	sim: 93 %	sim: 1.000	Bender Wirth: 433 Typ L5
SLE G6 LES10	sim: 33	Medium	sim: 89 %	sim: 1.250	Bender Wirth: 434 Typ L5
DMC 124 / 125	44 deg	Medium	88 %	1.200	Bender Wirth: 433 Typ L5
DMC 128	50 deg	Medium	87 %	0.920	Bender Wirth: 433 Typ L5

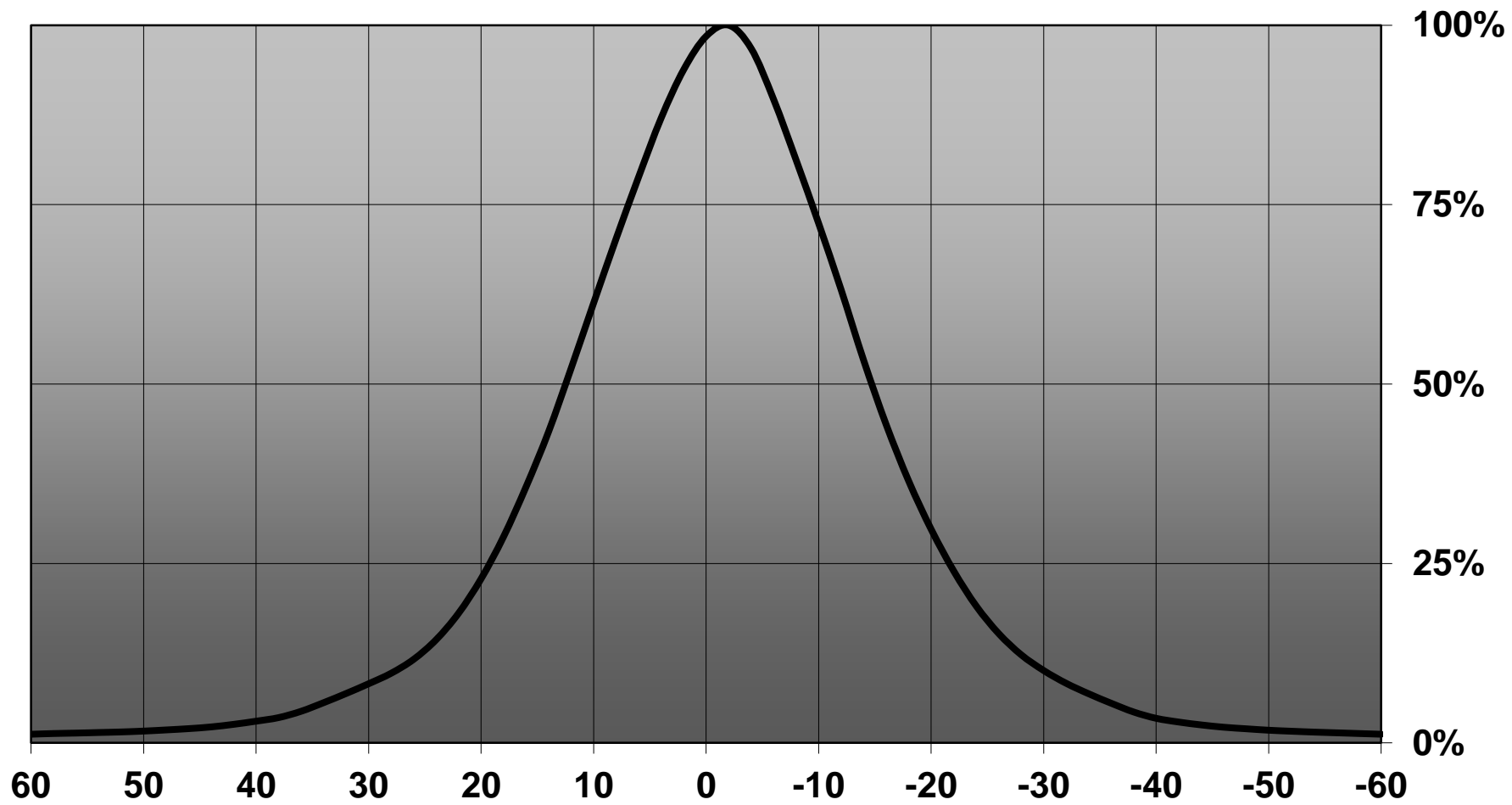
Relative intensity of CN14237_WINNIE-M_(V6)



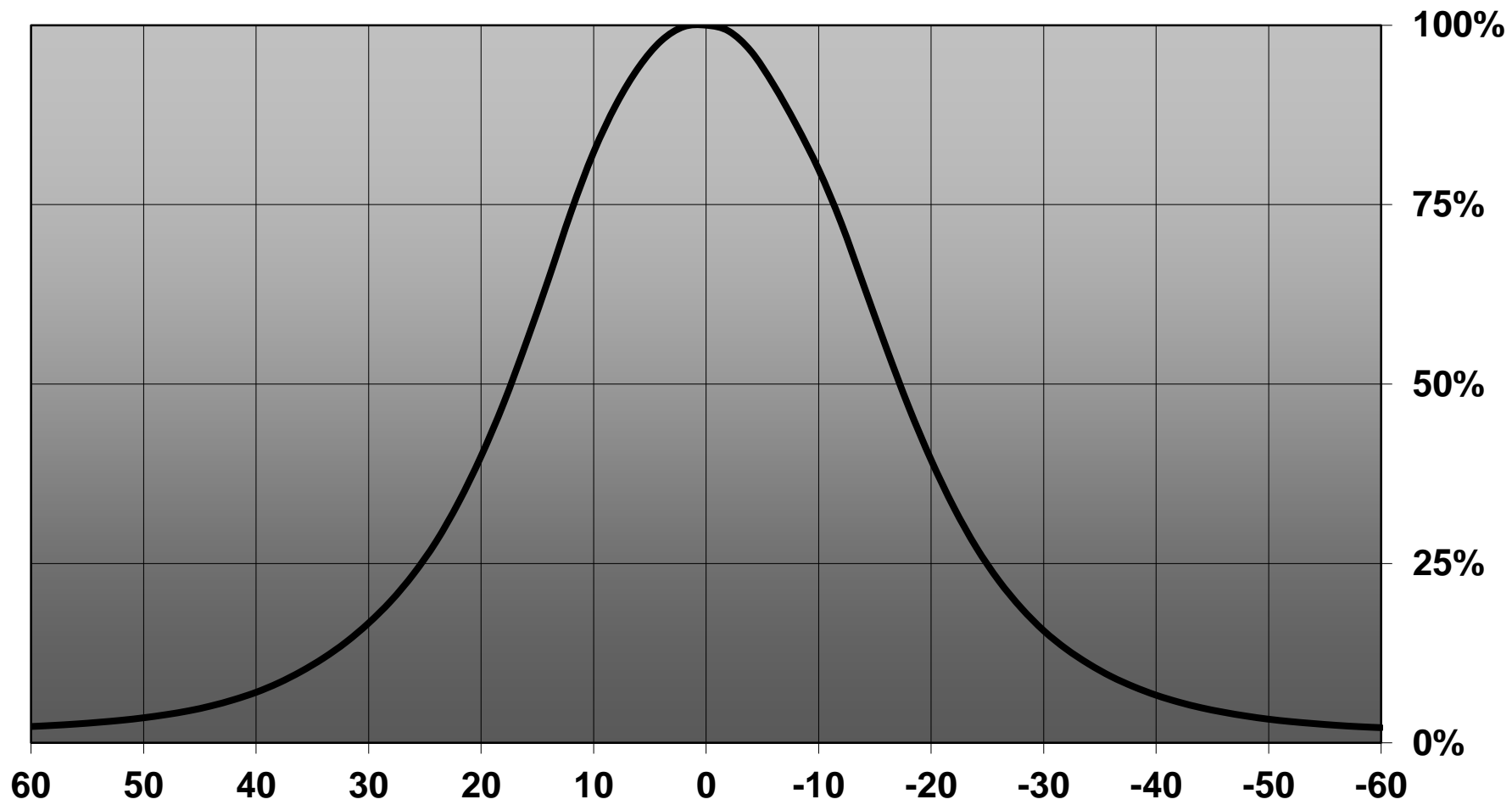
Relative intensity of CN14237_WINNIE-M_(V8)



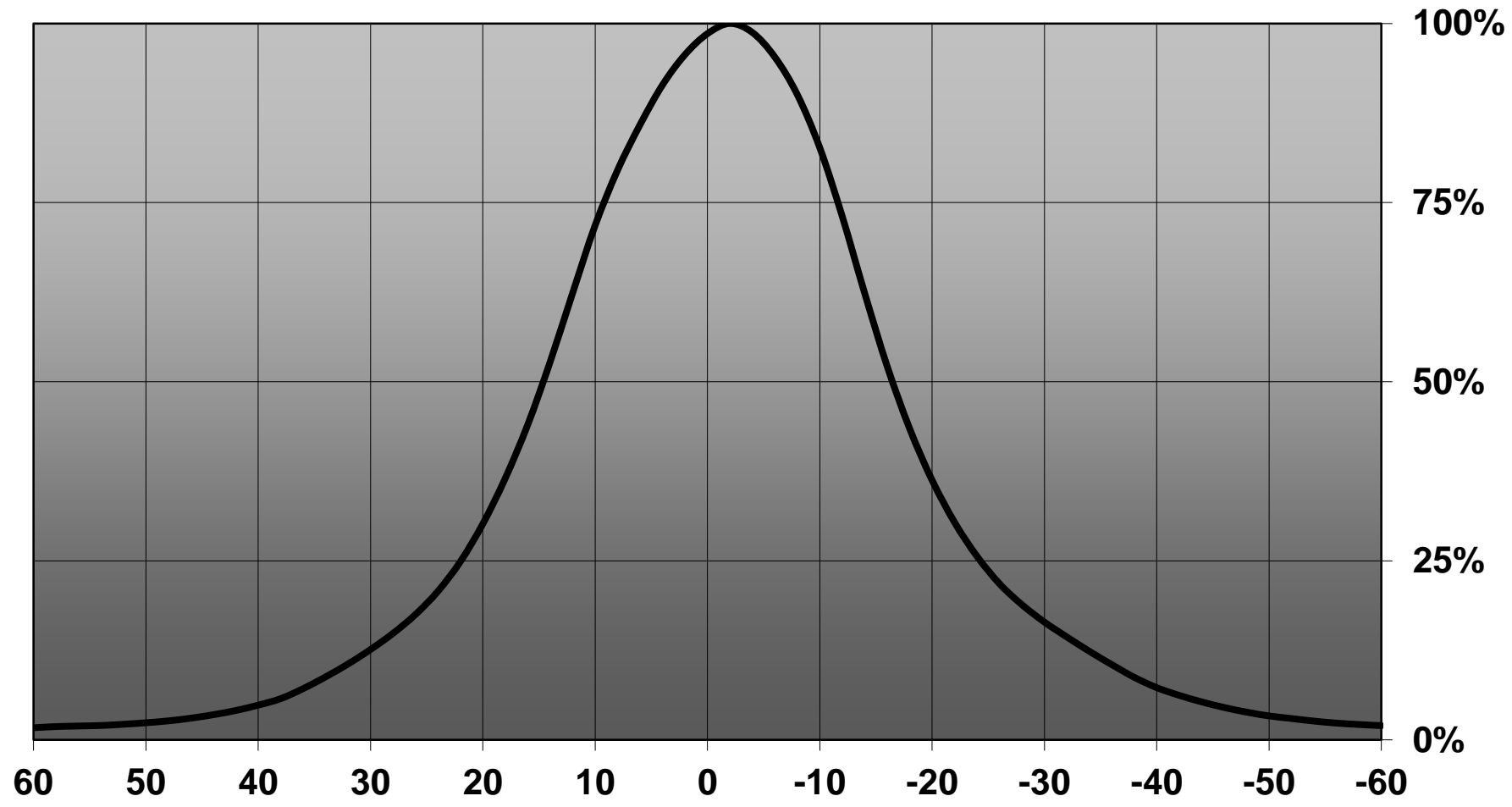
Relative intensity of CN14237_WINNIE-M_(CLL010)



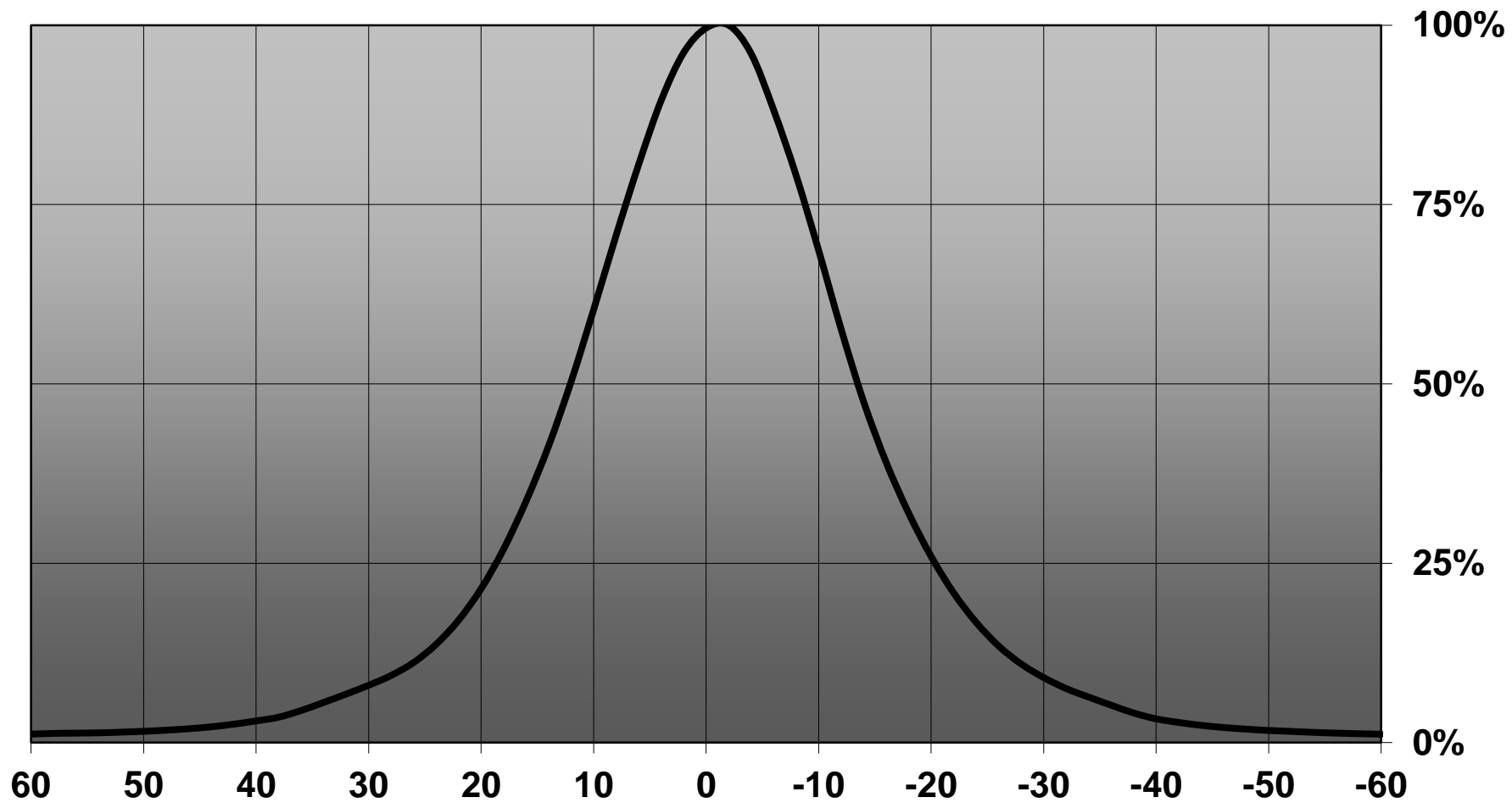
Relative intensity of CN14237_WINNIE-M_(CLL020)



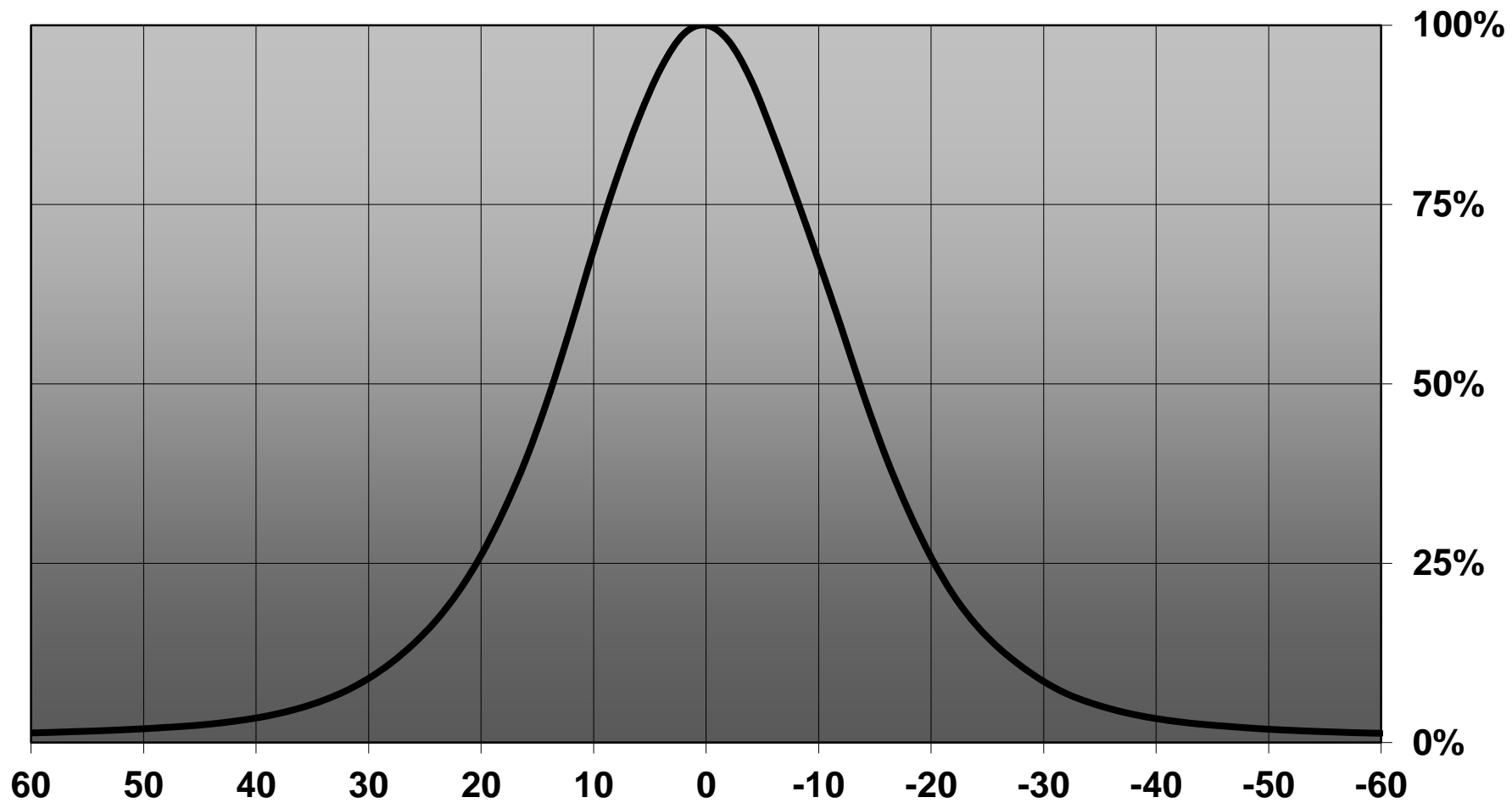
Relative intensity of CN14237_WINNIE-M_(CXA1520)



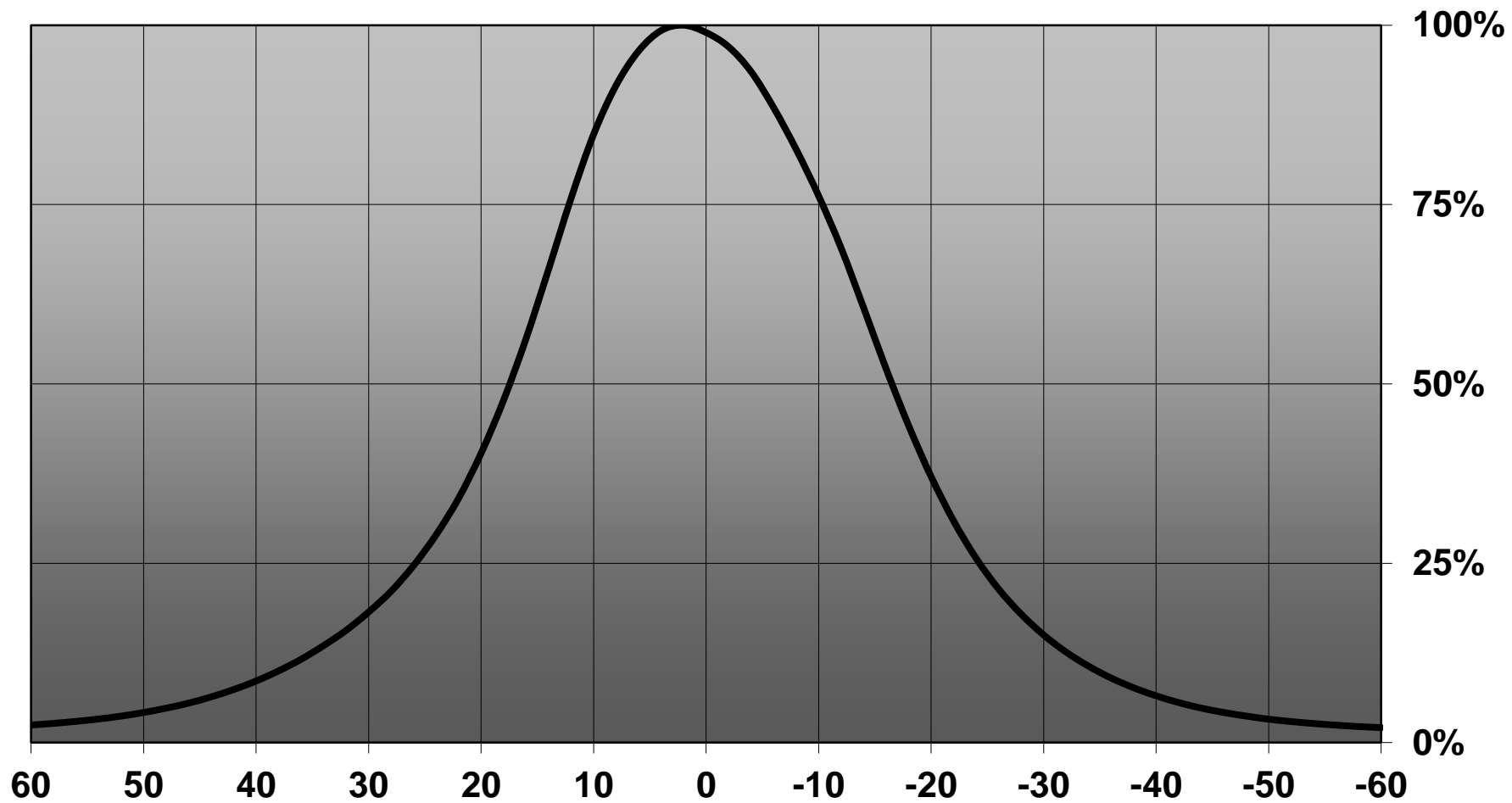
Relative intensity of CN14237_WINNIE-M_(CXA1304)



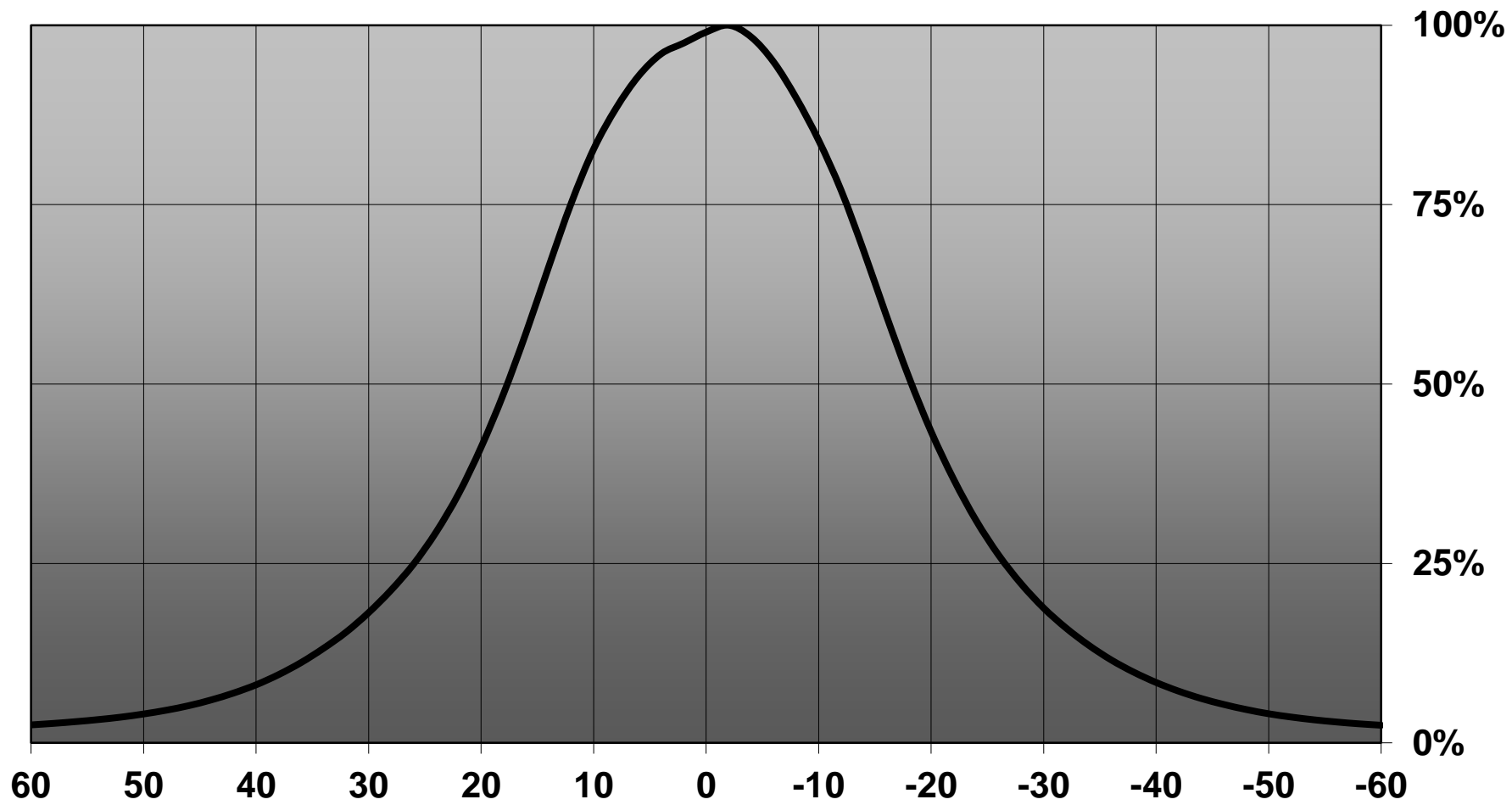
Relative intensity of CN14237_WINNIE-M_(CoB_1202s)



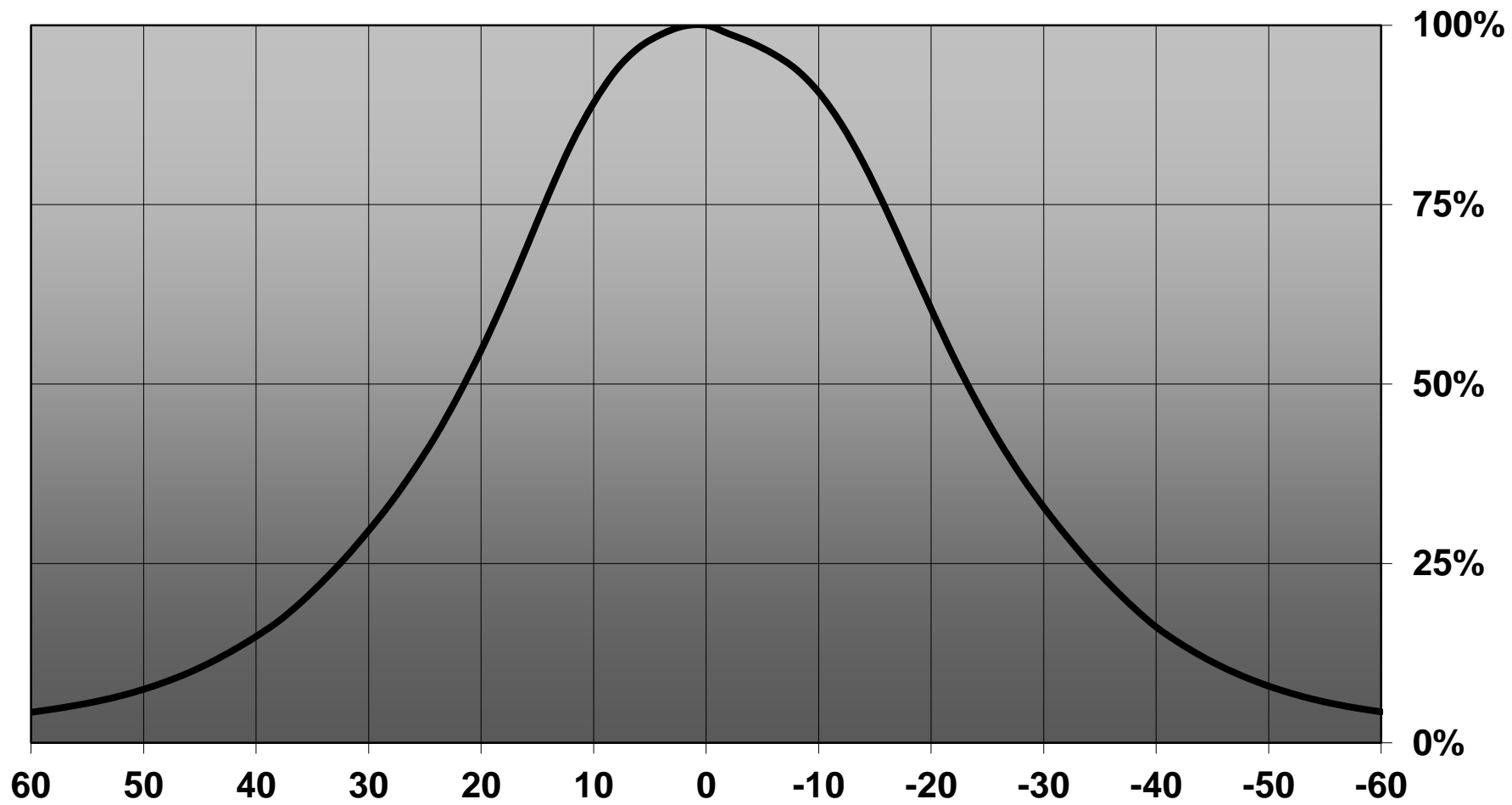
Relative intensity of CN14237_WINNIE-M_(COB_1203)



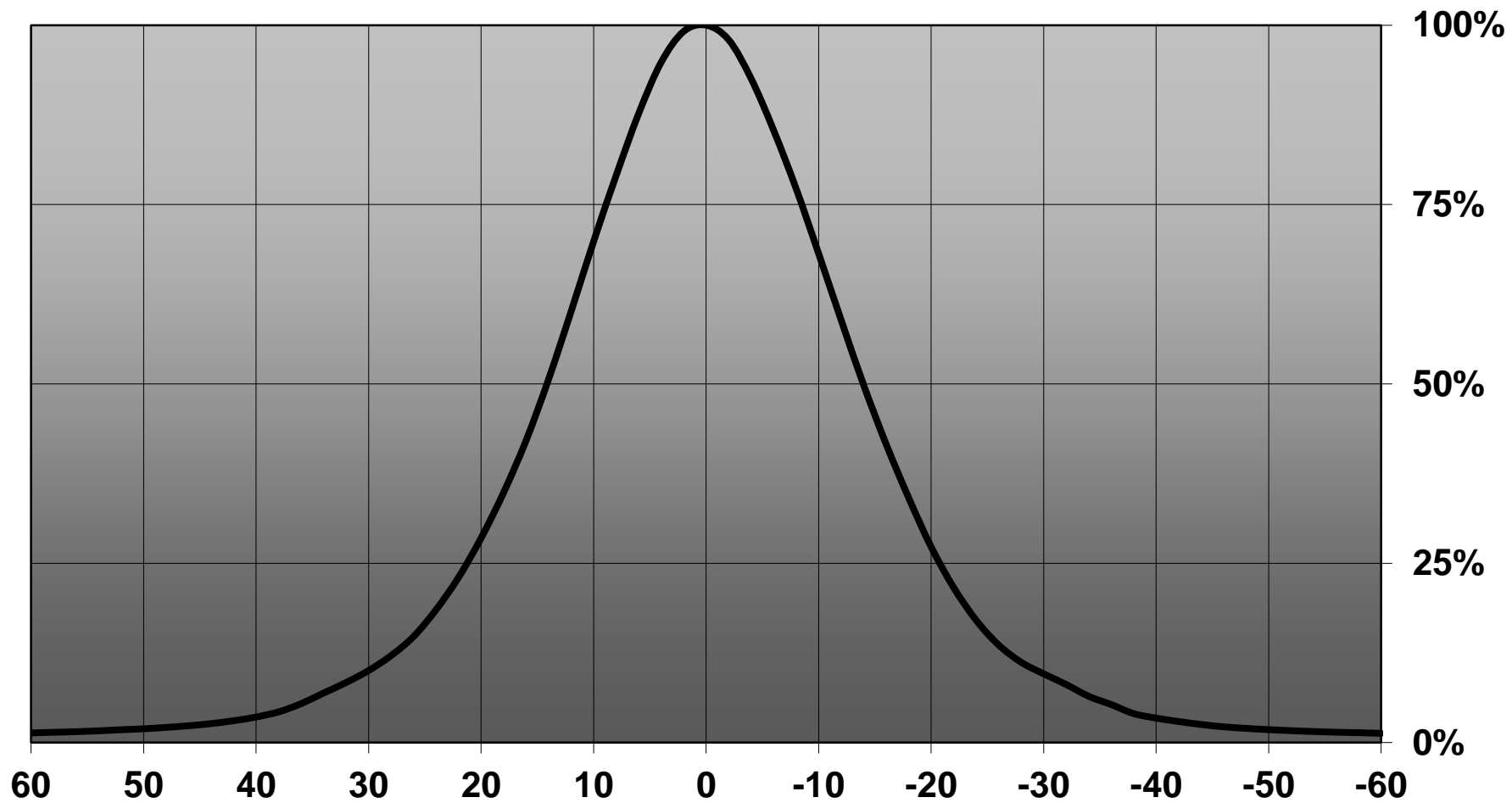
Relative intensity of CN14237_WINNIE-M_(CXM-9)



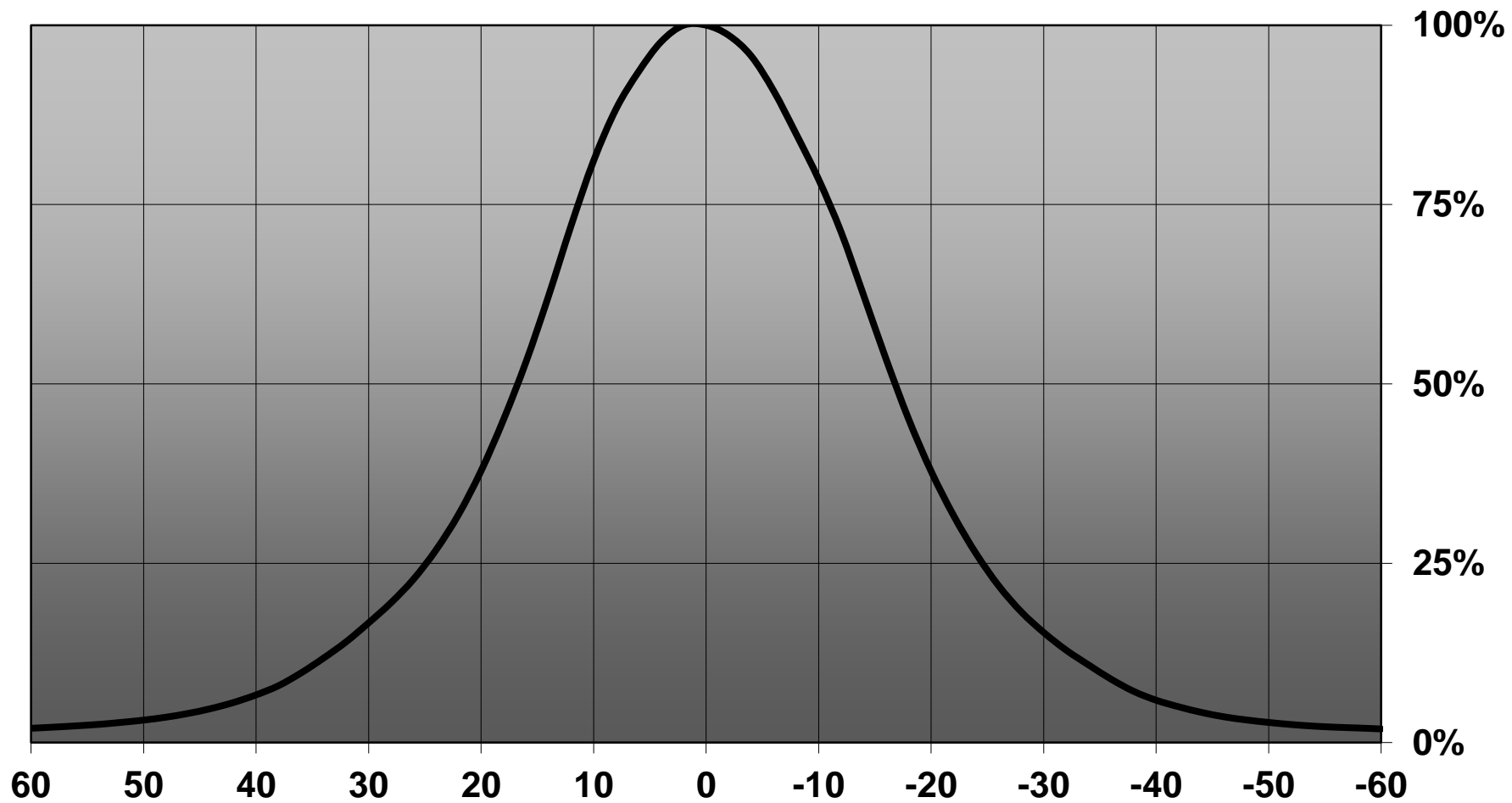
Relative intensity of CN14237_WINNIE-M_(CXM-14)



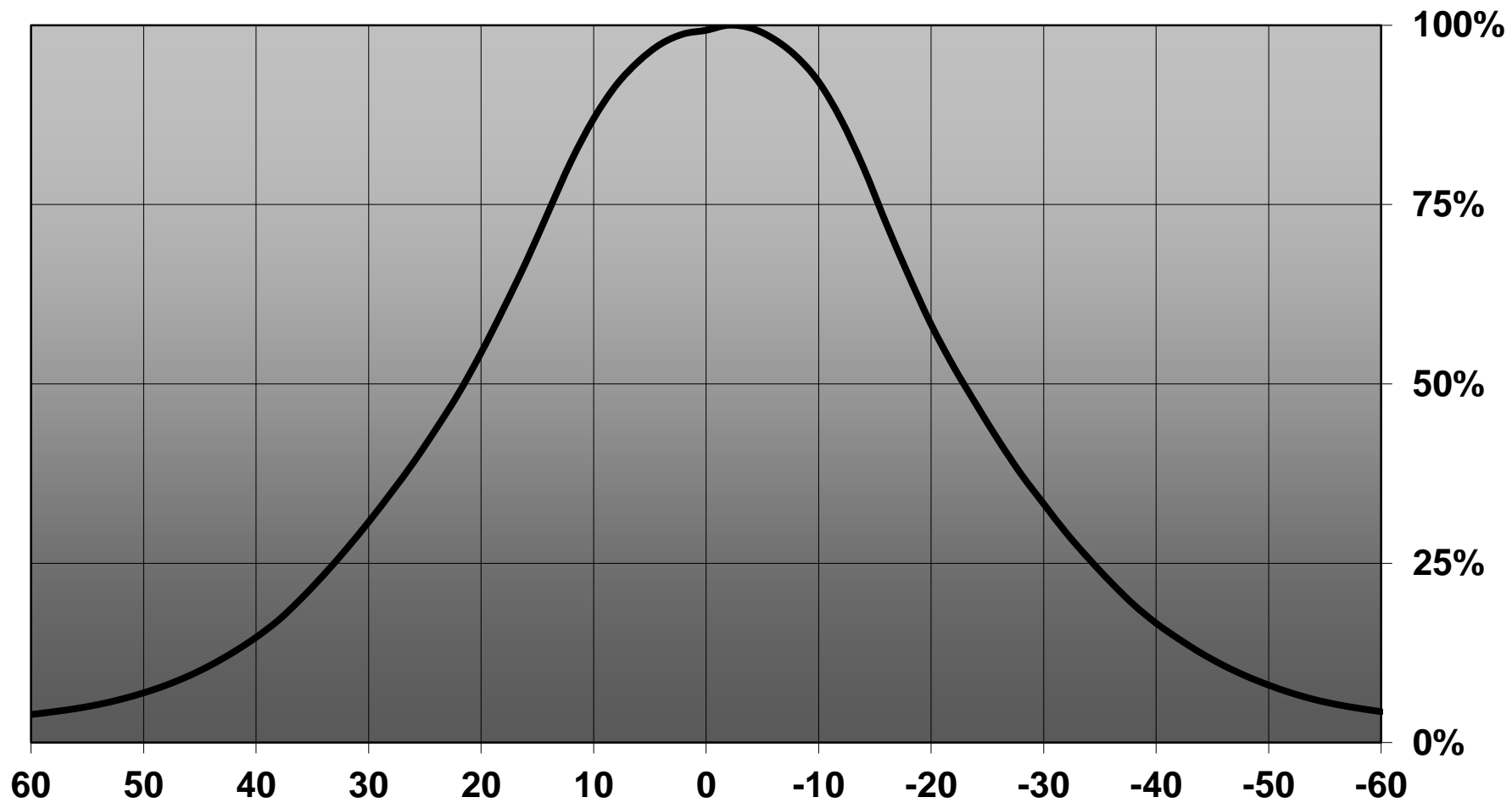
Relative intensity of CN14237_WINNIE-M_(Soleriq_P6)



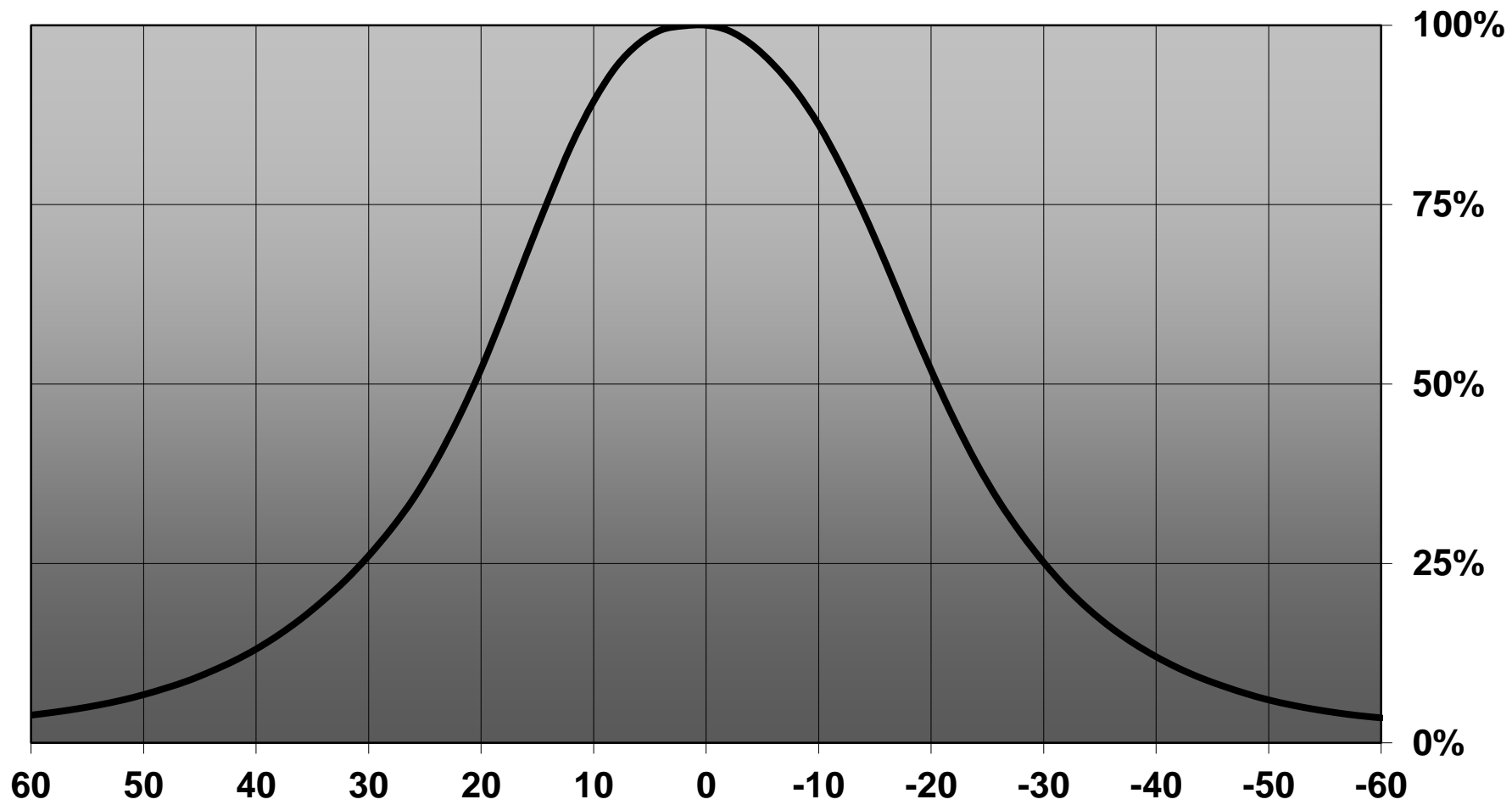
Relative intensity of CN14237_WINNIE-M_(Soleriq_P9)



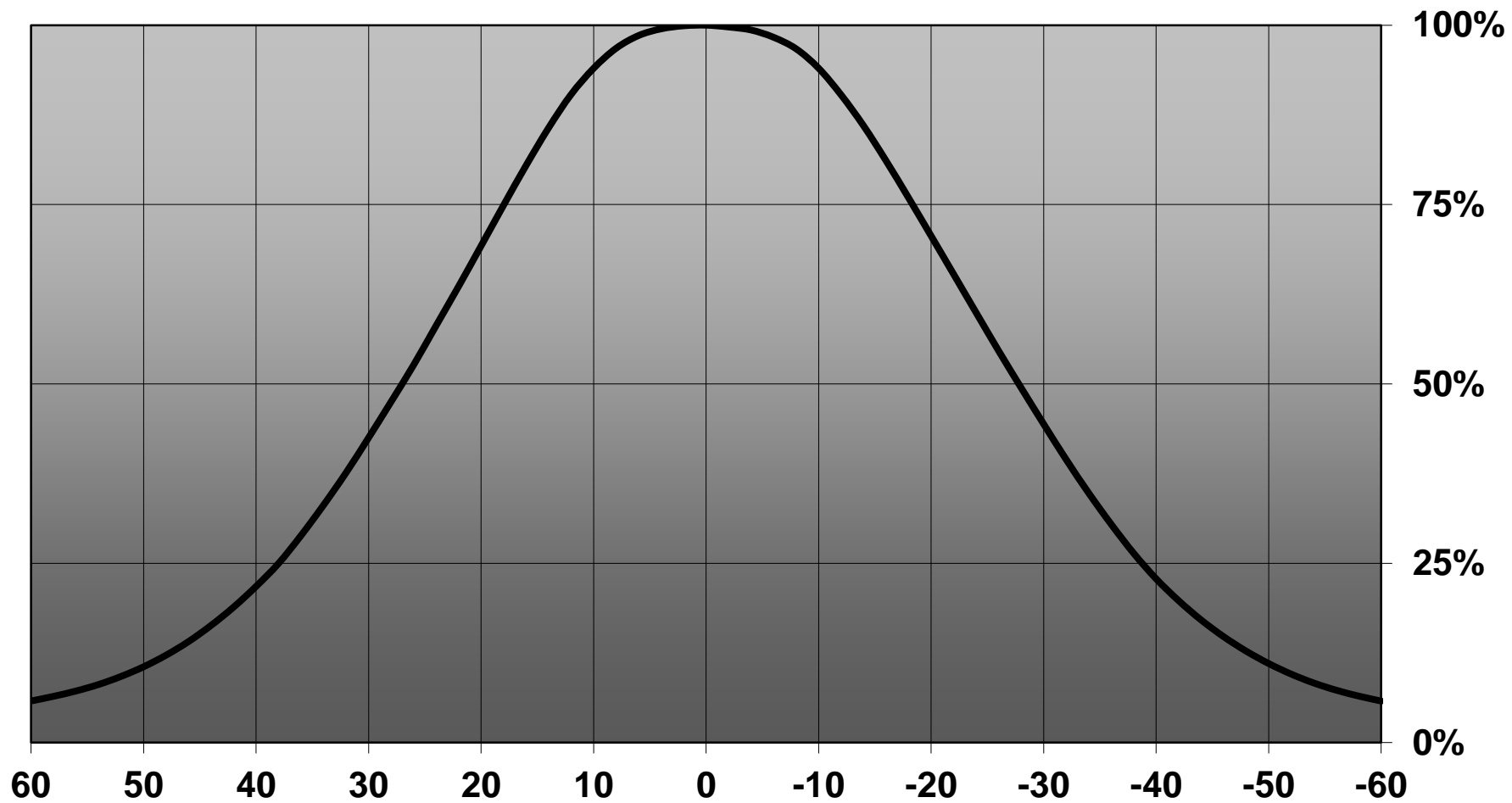
Relative intensity of CN14237_WINNIE-M_(Soleriq_P13)



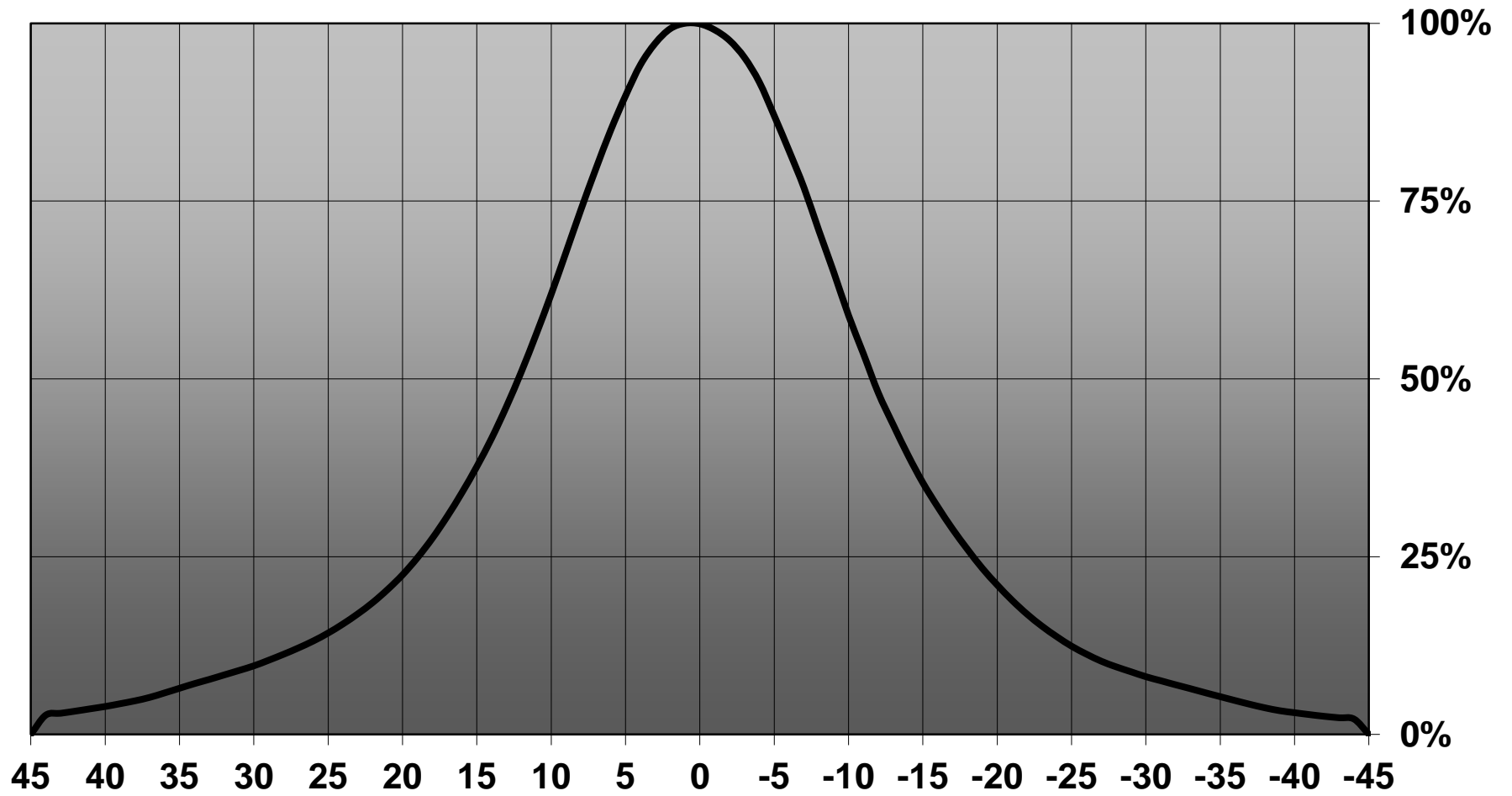
Relative intensity of CN14237_WINNIE-M_(Soleriq_S13)



Relative intensity of CN14237_WINNIE-M_(Soleriq_S19)



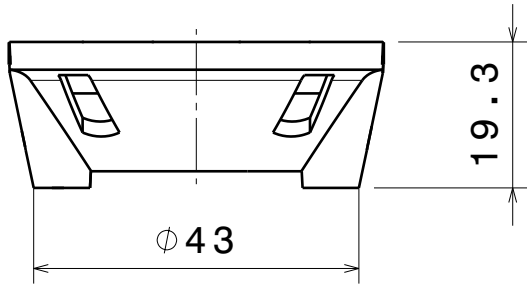
Relative intensity of CN14237_WINNIE-M_(Duris_S10)



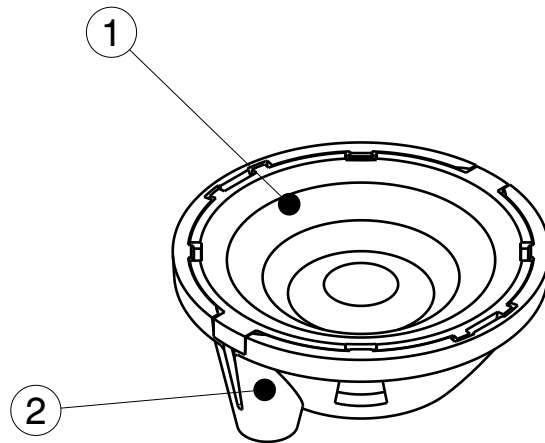
D C B A

4

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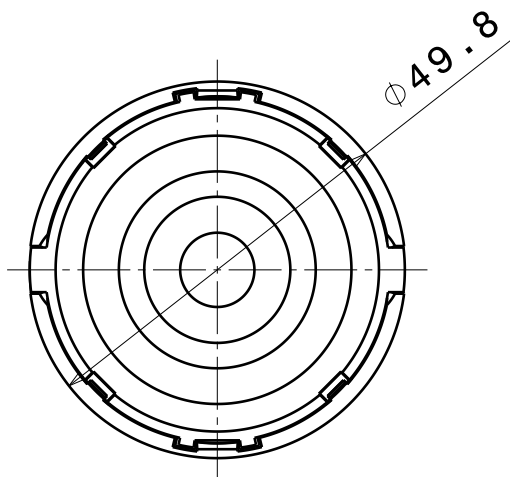
Front view



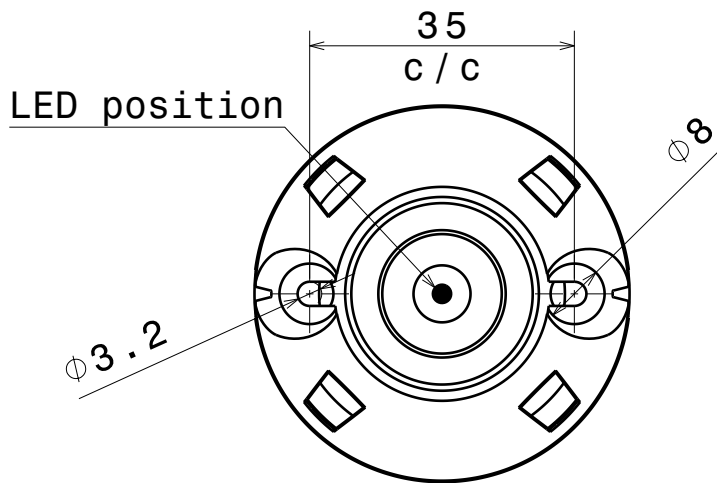
Isometric view

3

3



Top view



Bottom view

2

2

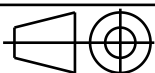
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14233	WINNIE-M	PMMA	clear
2	C14235	WINNIE-HOLDER	PC	white

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

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

CN14237_WINNIE-M

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SIZE PART NUMBER

A4

CN14237

SCALE 1:1 WEIGHT 17,74 g SHEET 1/1

1

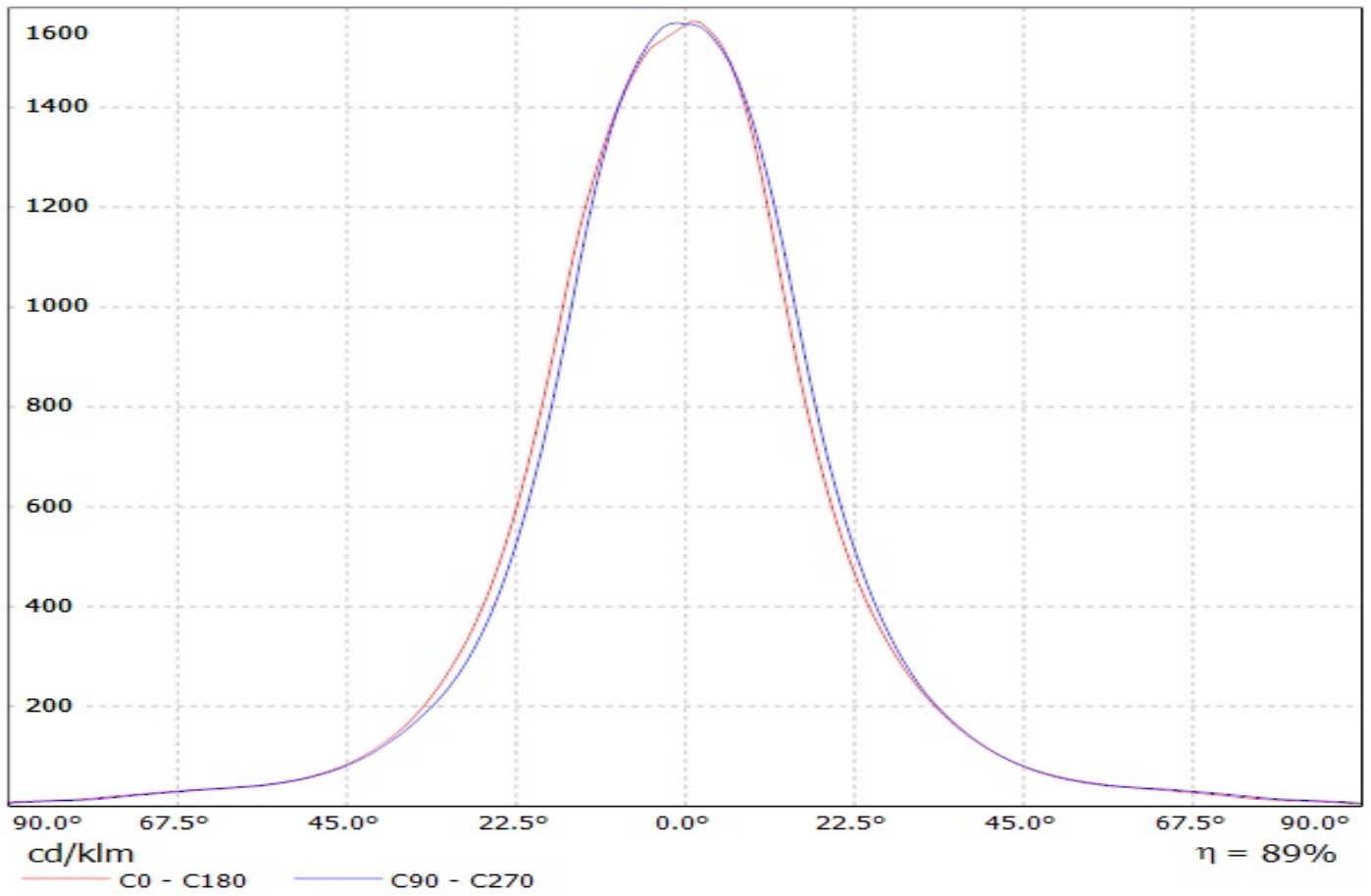
1

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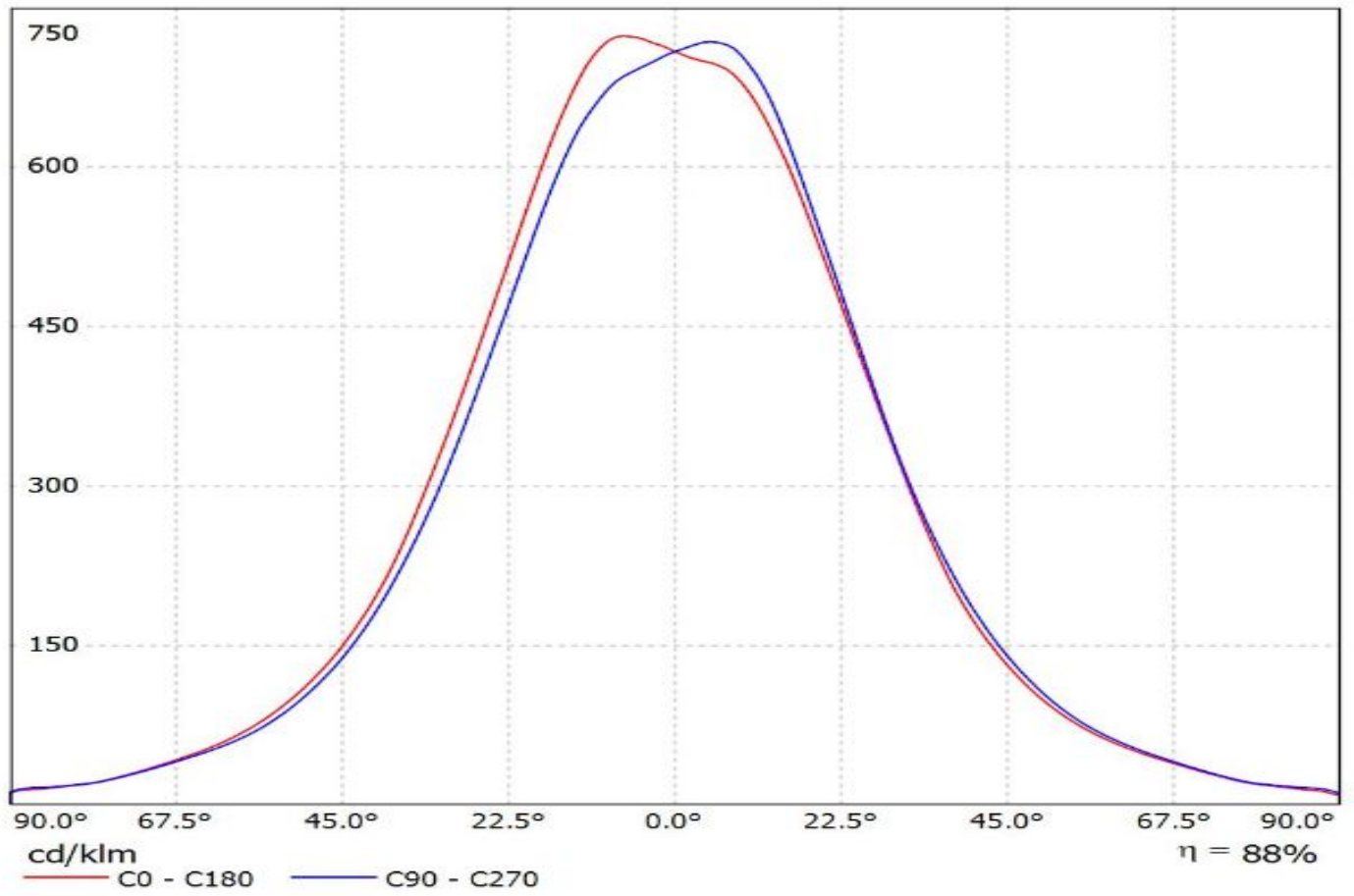
Luminaire: LEDiL Oy CN14237_WINNIE-M (VERO10)

Lamps: 1 x Bridgelux_VERO10_(301000B)_758.633lm@250mA_P=6.35346W_I=0.2499A



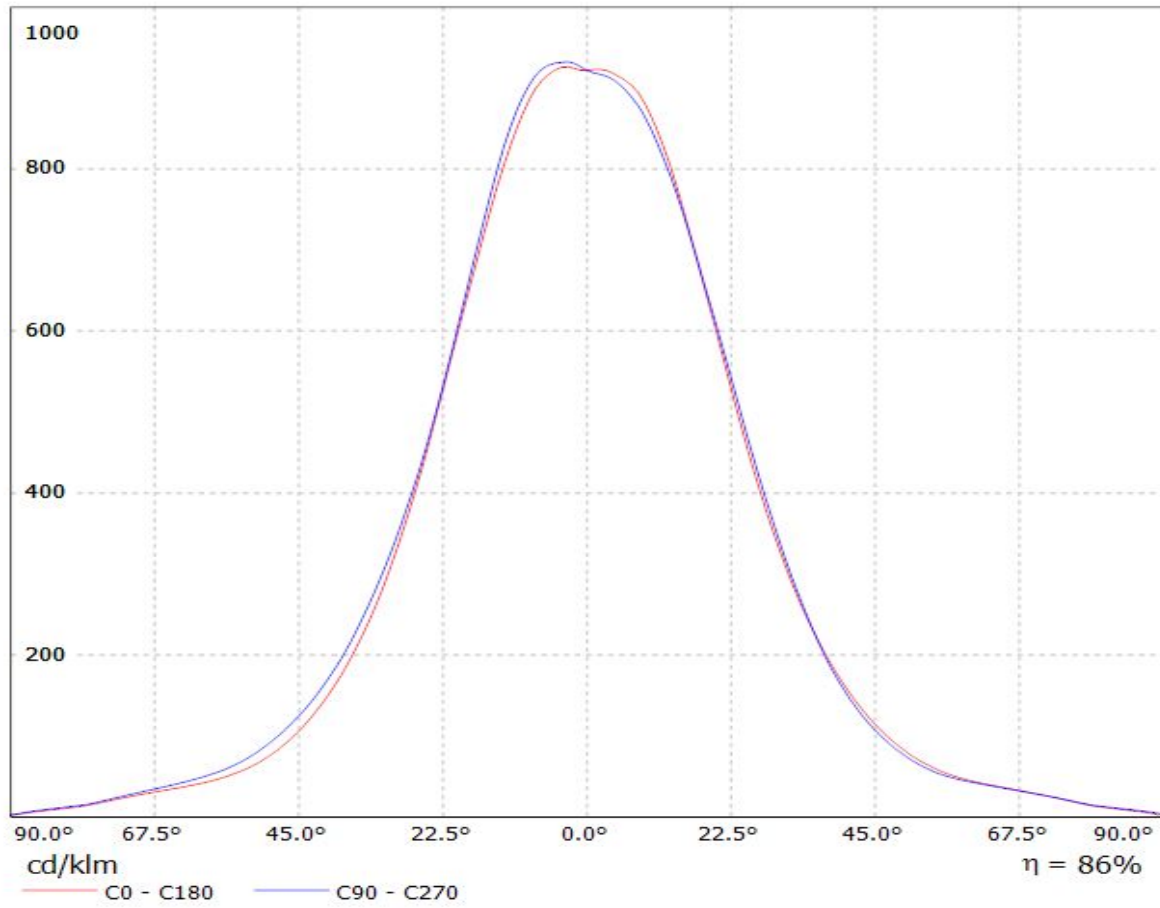
Luminaire: Ledil CN14237_WINNIE-M (V18)

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



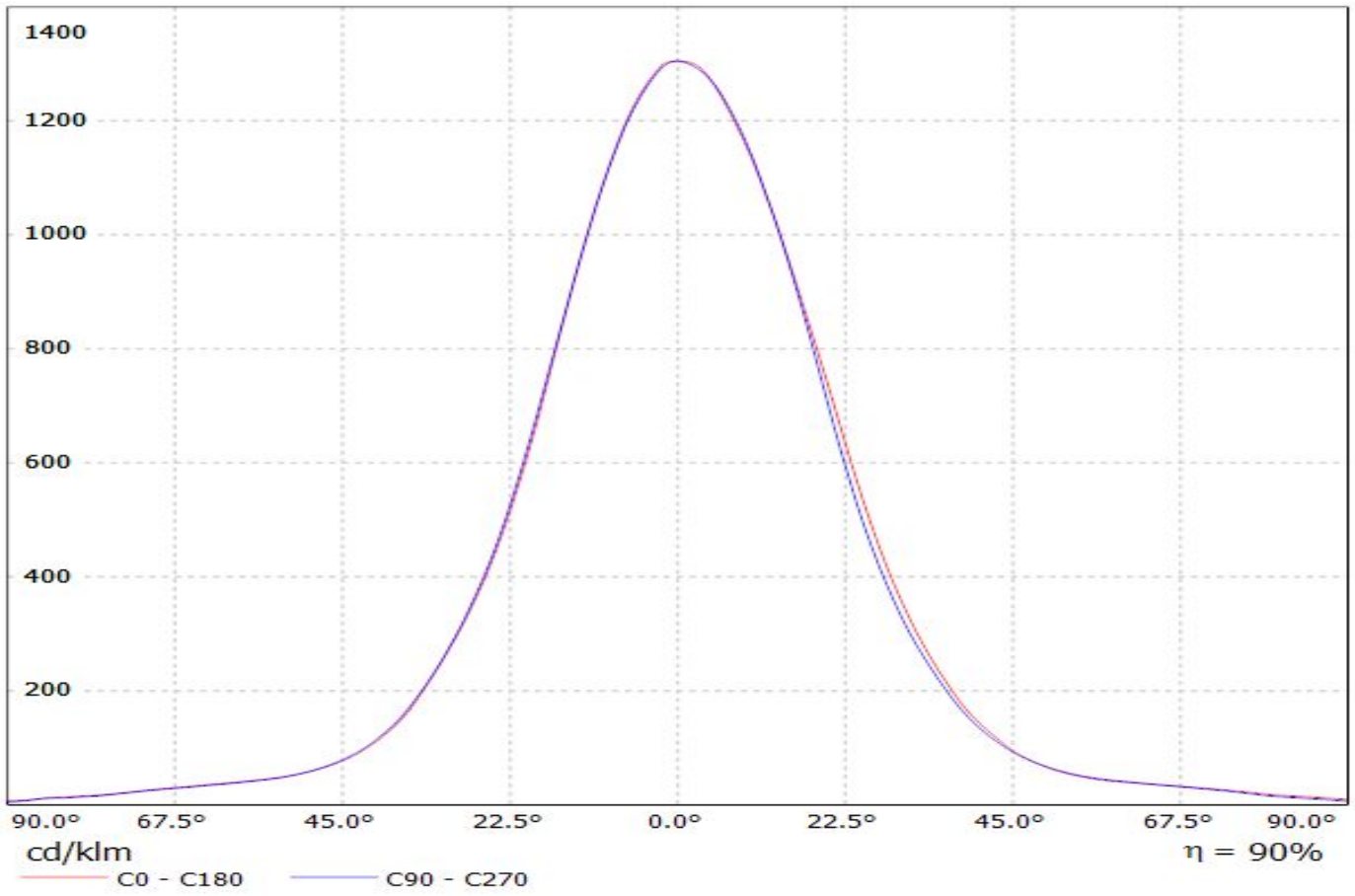
Luminaire: LEDiL Oy CN14237_WINNIE-M_(CLU034)

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



Luminaire: LEDiL Oy CN14237_WINNIE-M_(CITIZEN_CLU720)

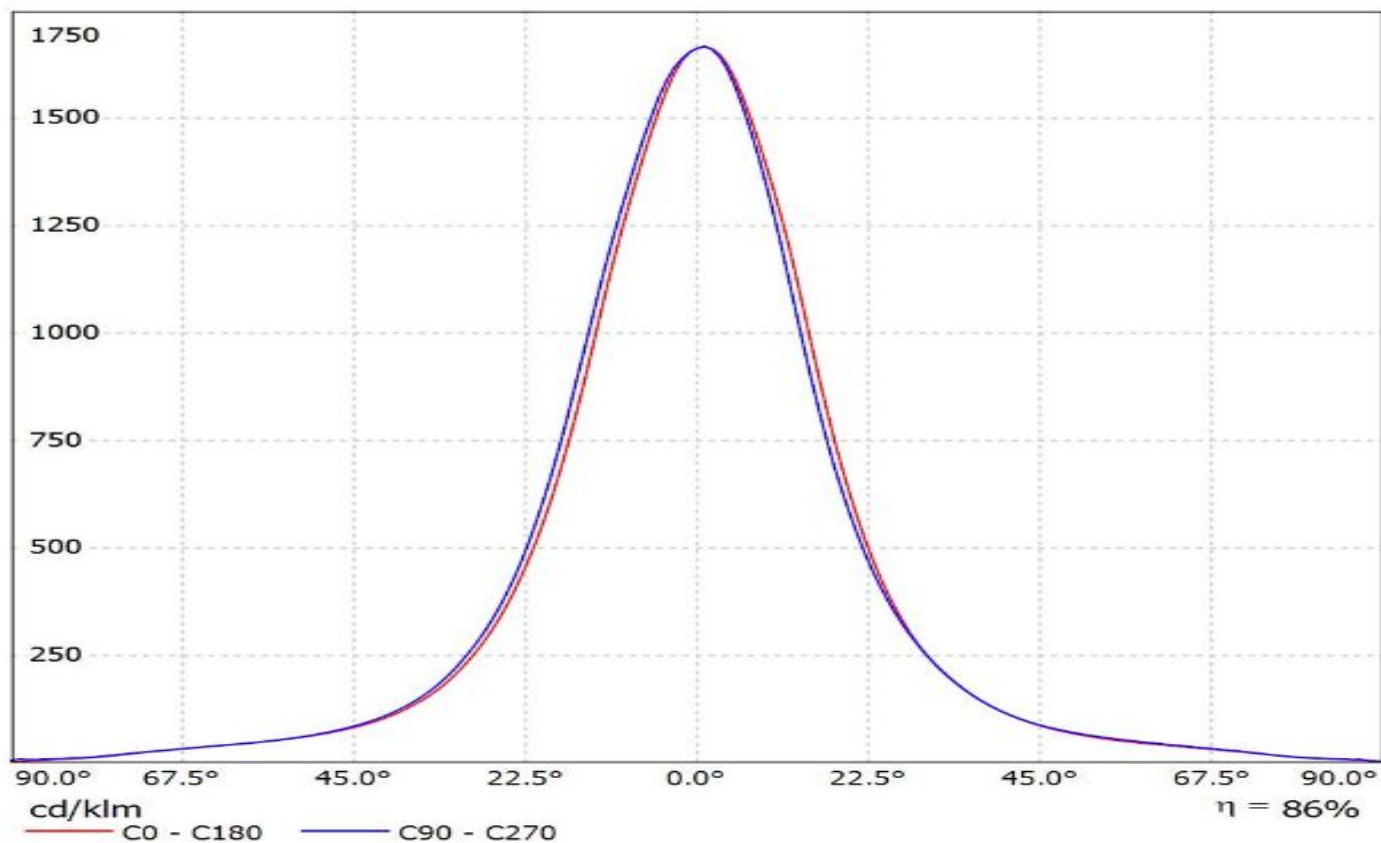
Lamps: 1 x CITIZEN_CLU720_(433 Typ L5)_1198.27lm@250mA_P=8.30318W_I=0.25A



Ledil CN14237_WINNIE-M_(CLU710) / LDC (Linear)

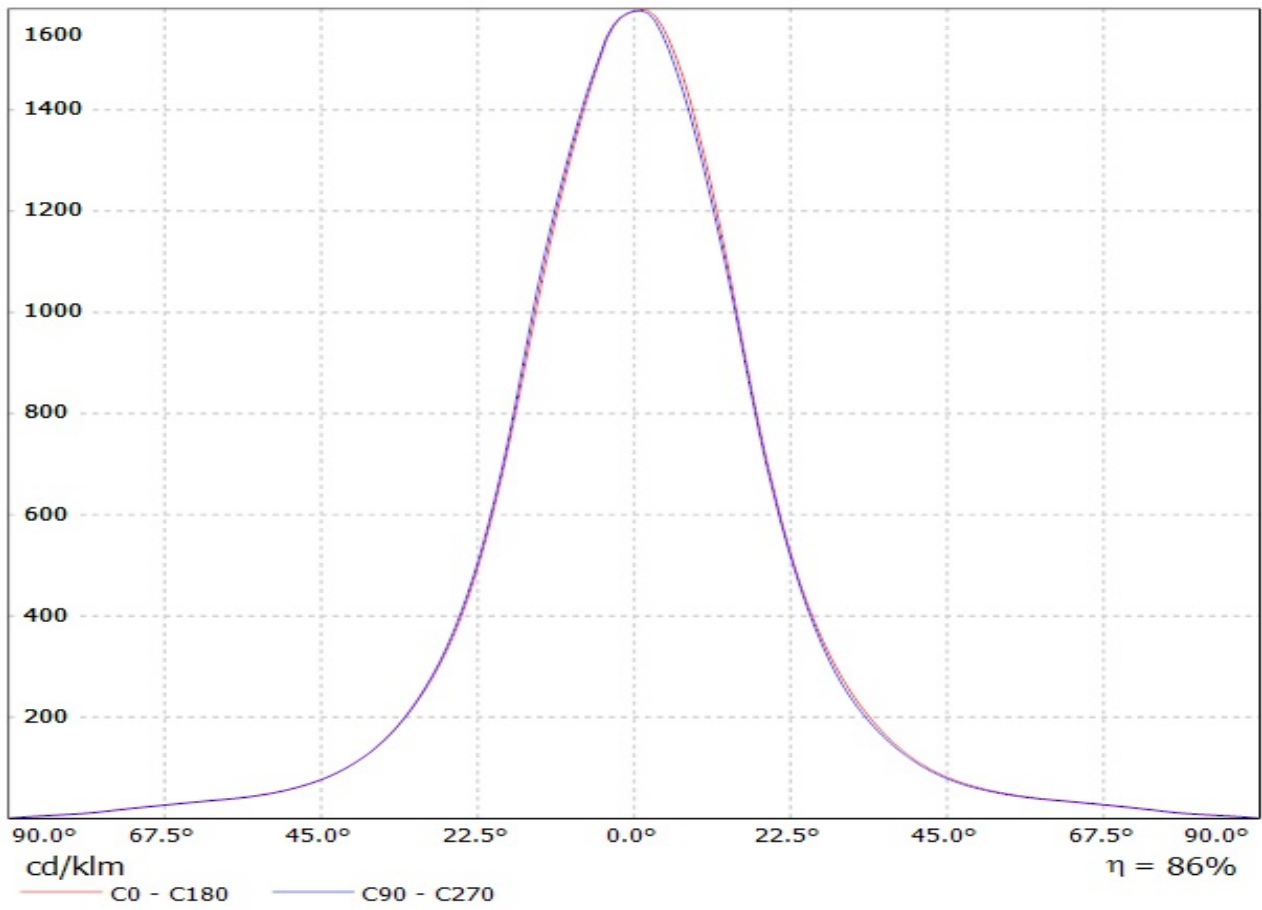
Luminaire: Ledil CN14237_WINNIE-M_(CLU710)

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



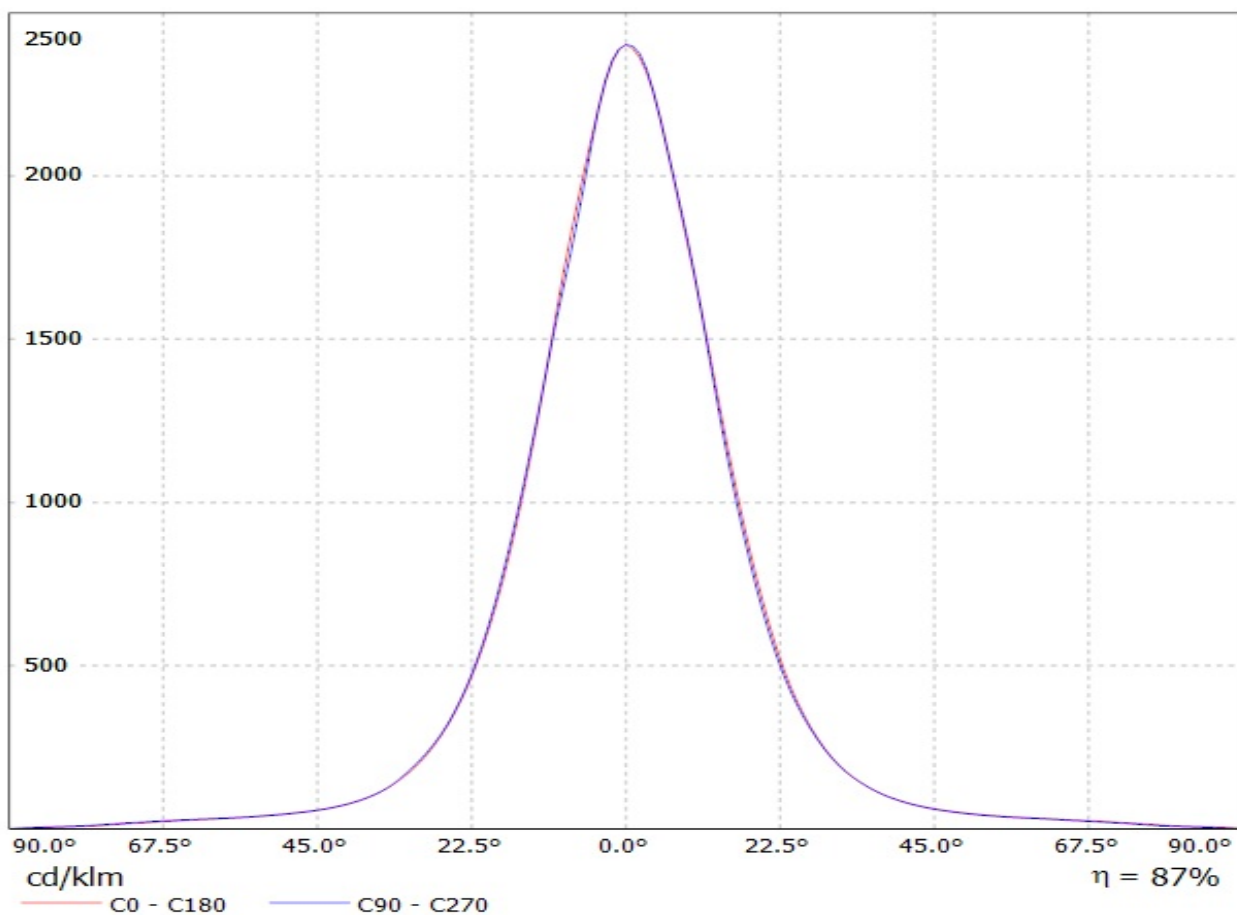
Luminaire: LEDiL Oy CN14237_WINNIE-M_(CLU024)_434-Typ-L5

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

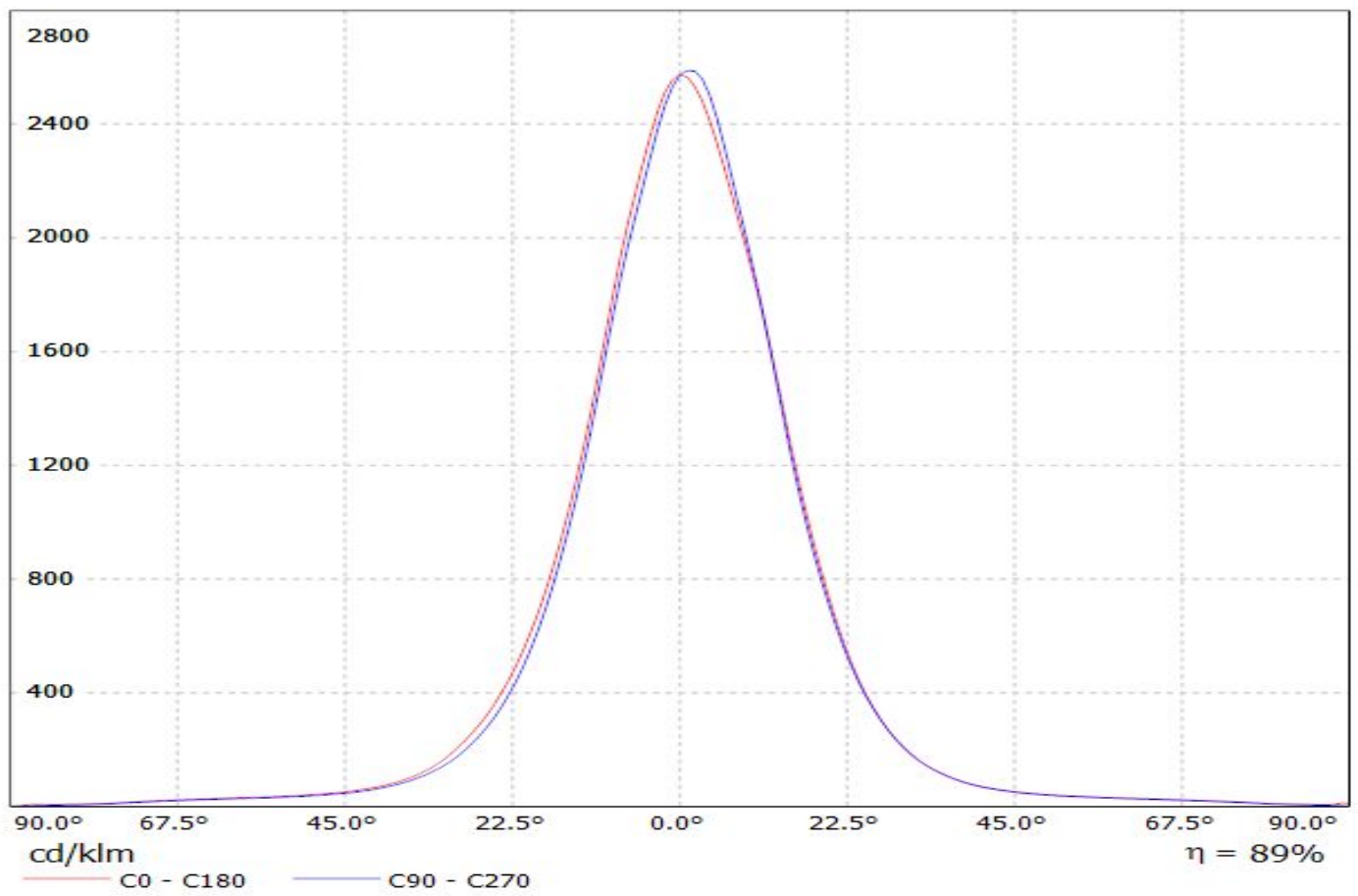


Luminaire: LEDiL Oy CN14237_WINNIE-M_(CLU700)_434-Typ-L5

Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_434_Typ_L5_377.008lm@100mA_P=2.82212W_I=0.1001A

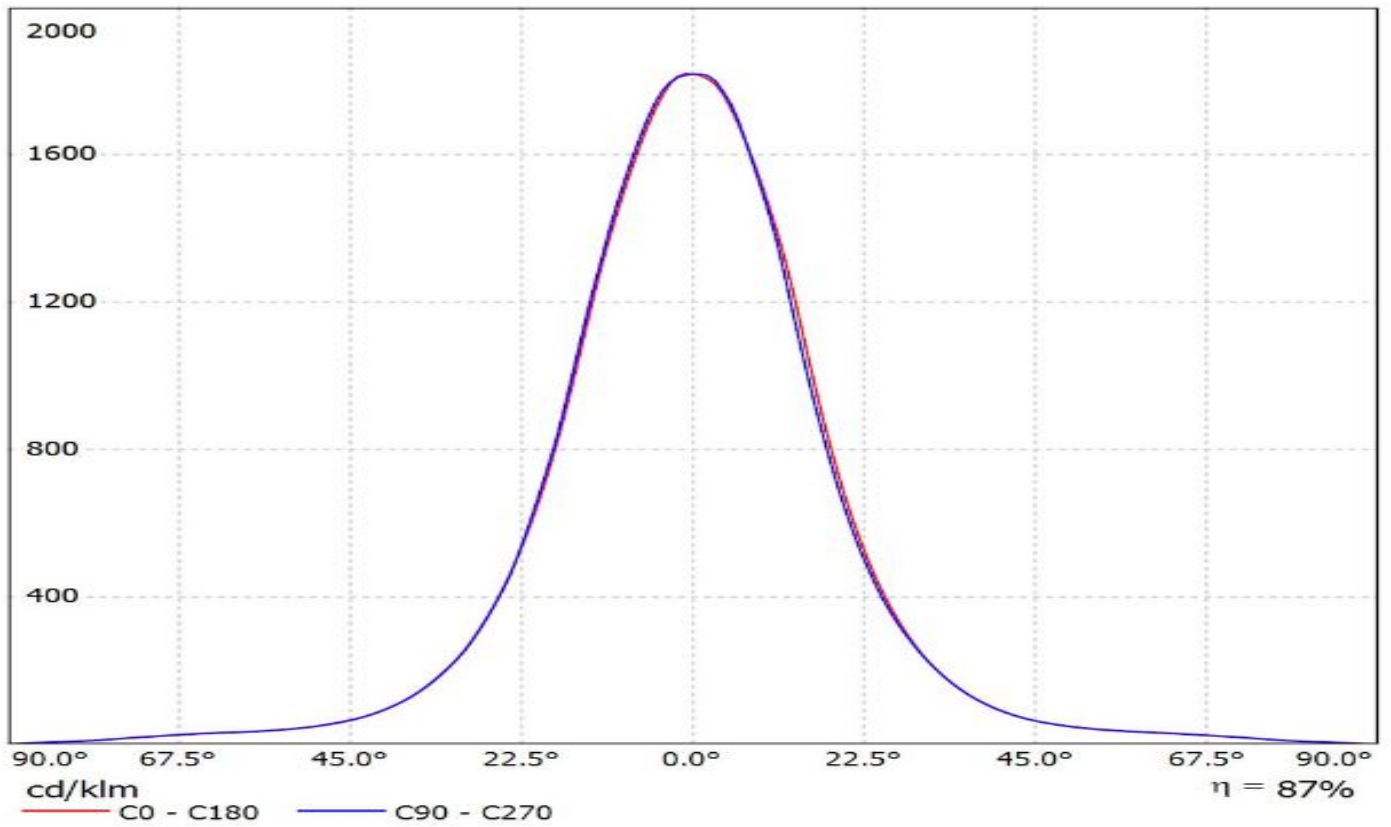


Luminaire: LEDiL Oy CN14237_WINNIE-M_(CLU700)
Lamps: 1 x Citizen_CLU700_367.467lm@100mA_P=2.77574W_I=0.1002A

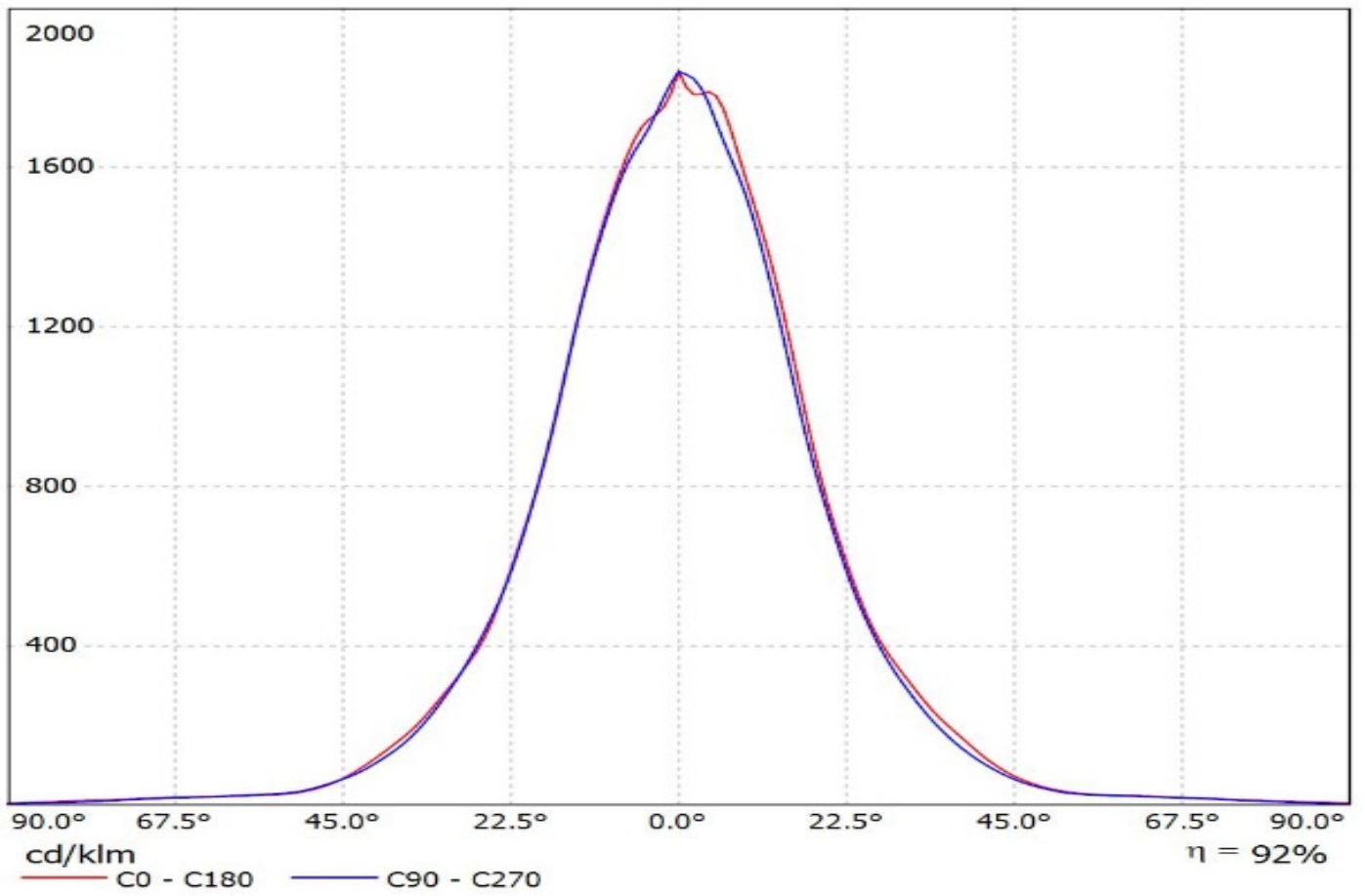


Ledil CN14237_WINNIE-M_(CLU710)_(470_Typ_L5) / LDC (Linear)

Luminaire: Ledil CN14237_WINNIE-M_(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

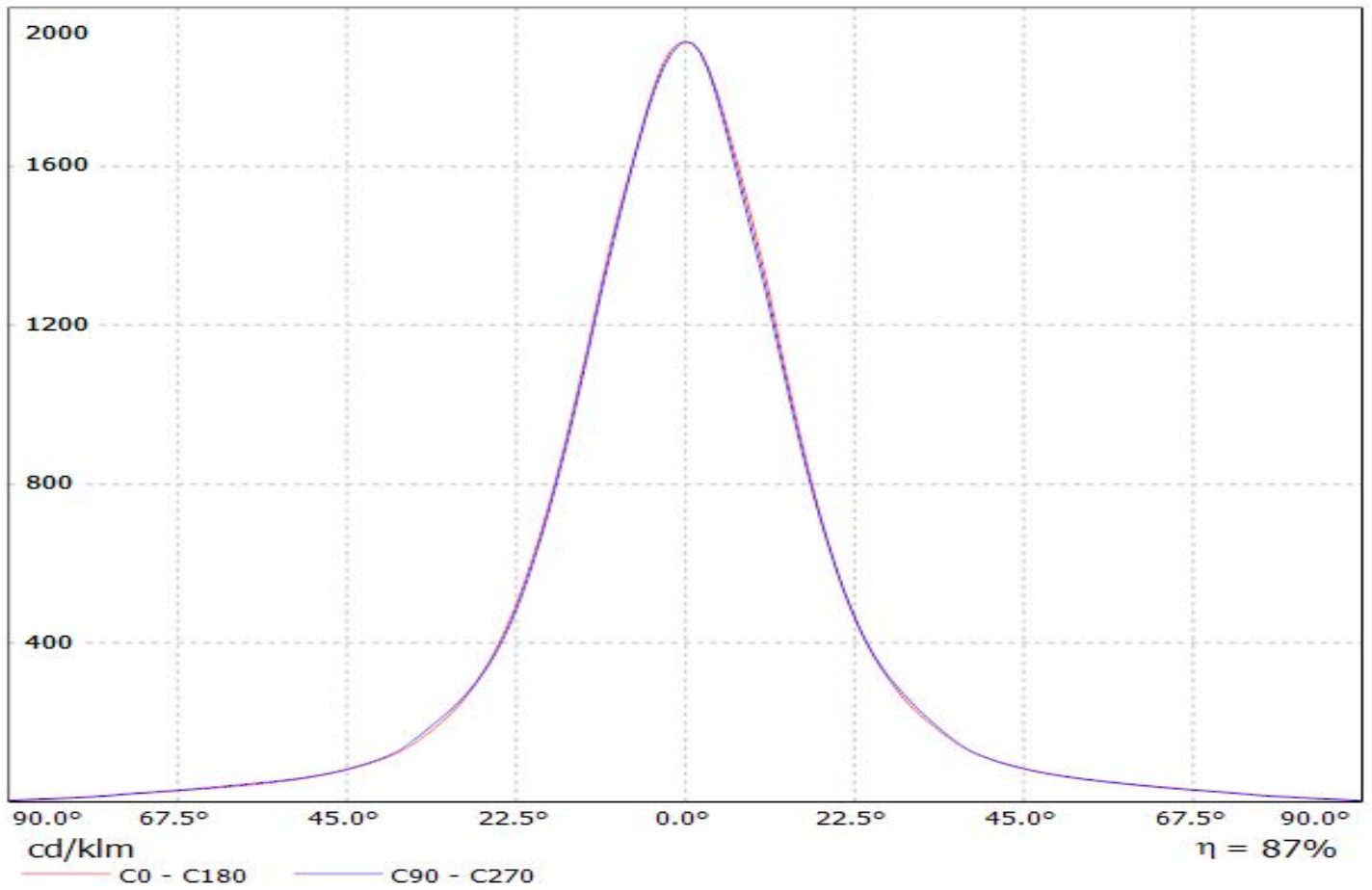


Luminaire: Ledil Oy CN14237_WINNIE-M_(CLU028)_SIMULATED
Lamps: 1 x Citizen CLU028-1204C4-303M2K1



Luminaire: Ledil CN14237_WINNIE-M_(MHD-G)

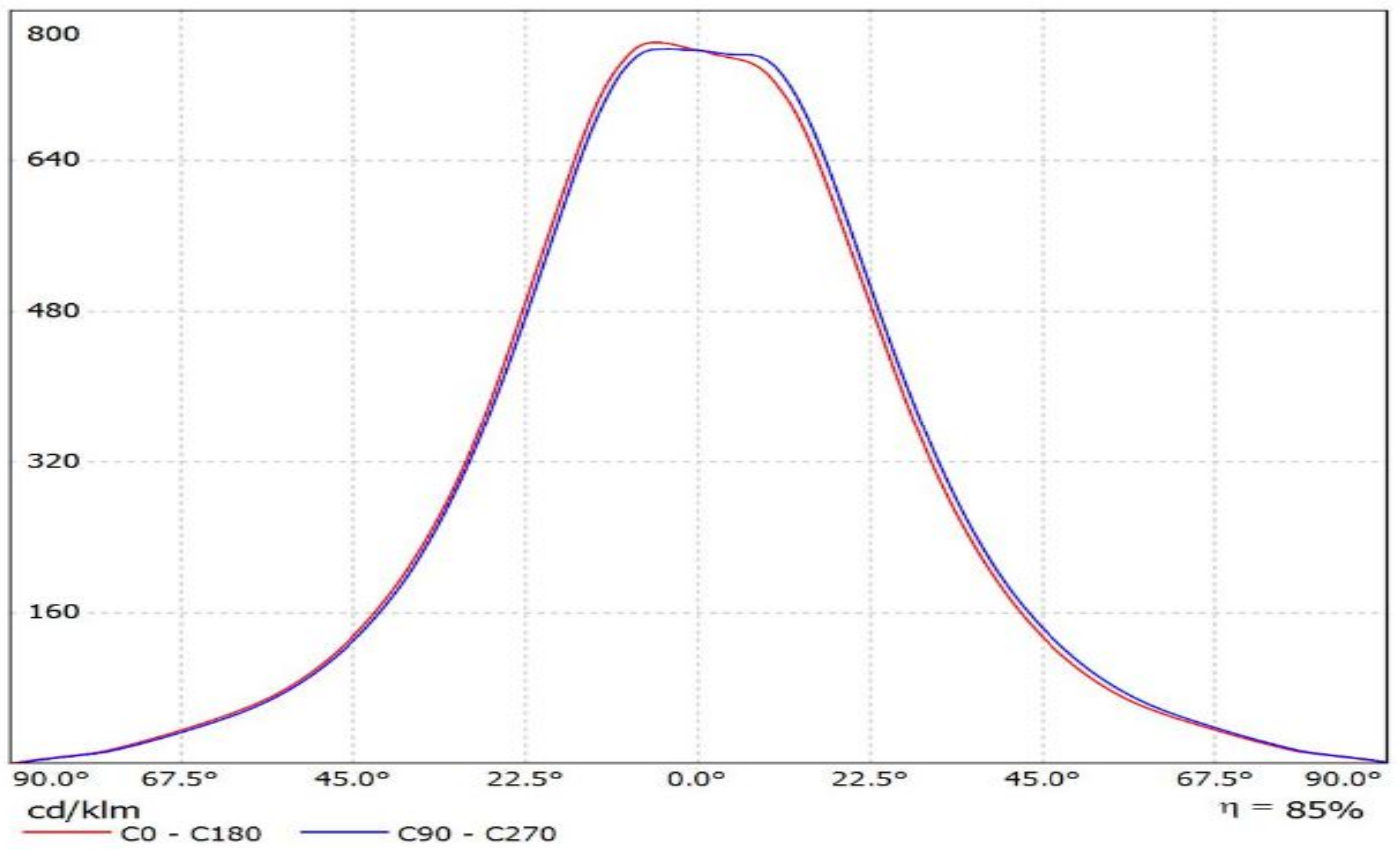
Lamps: 1 x Cree MHD-G_530.44lm@100mA_P=3.0W_I=0.100A



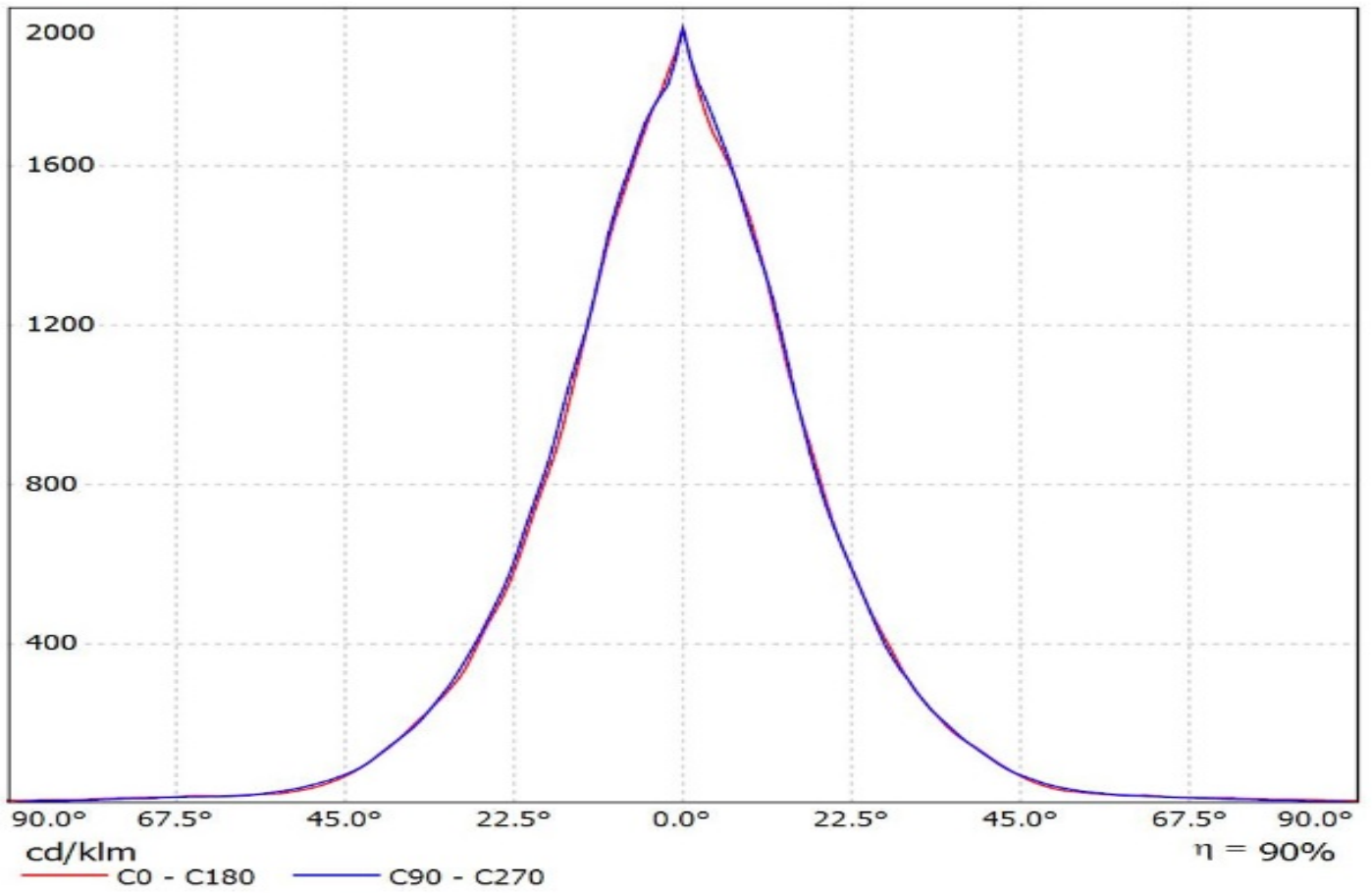
Ledil CN14237_WINNIE-M_(CXA2520) / LDC (Linear)

Luminaire: Ledil CN14237_WINNIE-M_(CXA2520)

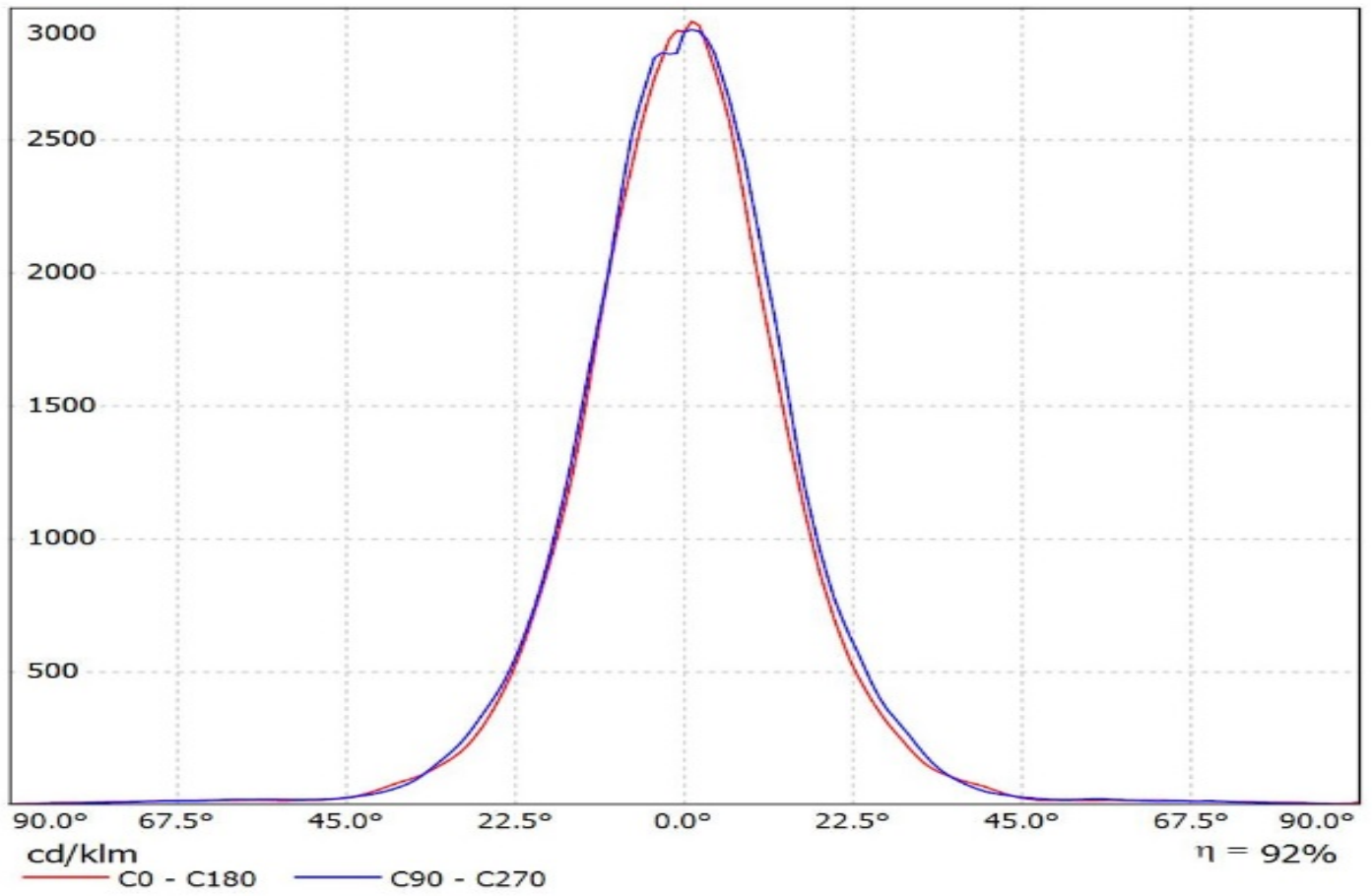
Lamps: 1 x CREE_CXA2520_(2520-7A-N4-N0U)_902.096lm@250mA_CCT=3000K_P=8.56W_I=0.25A



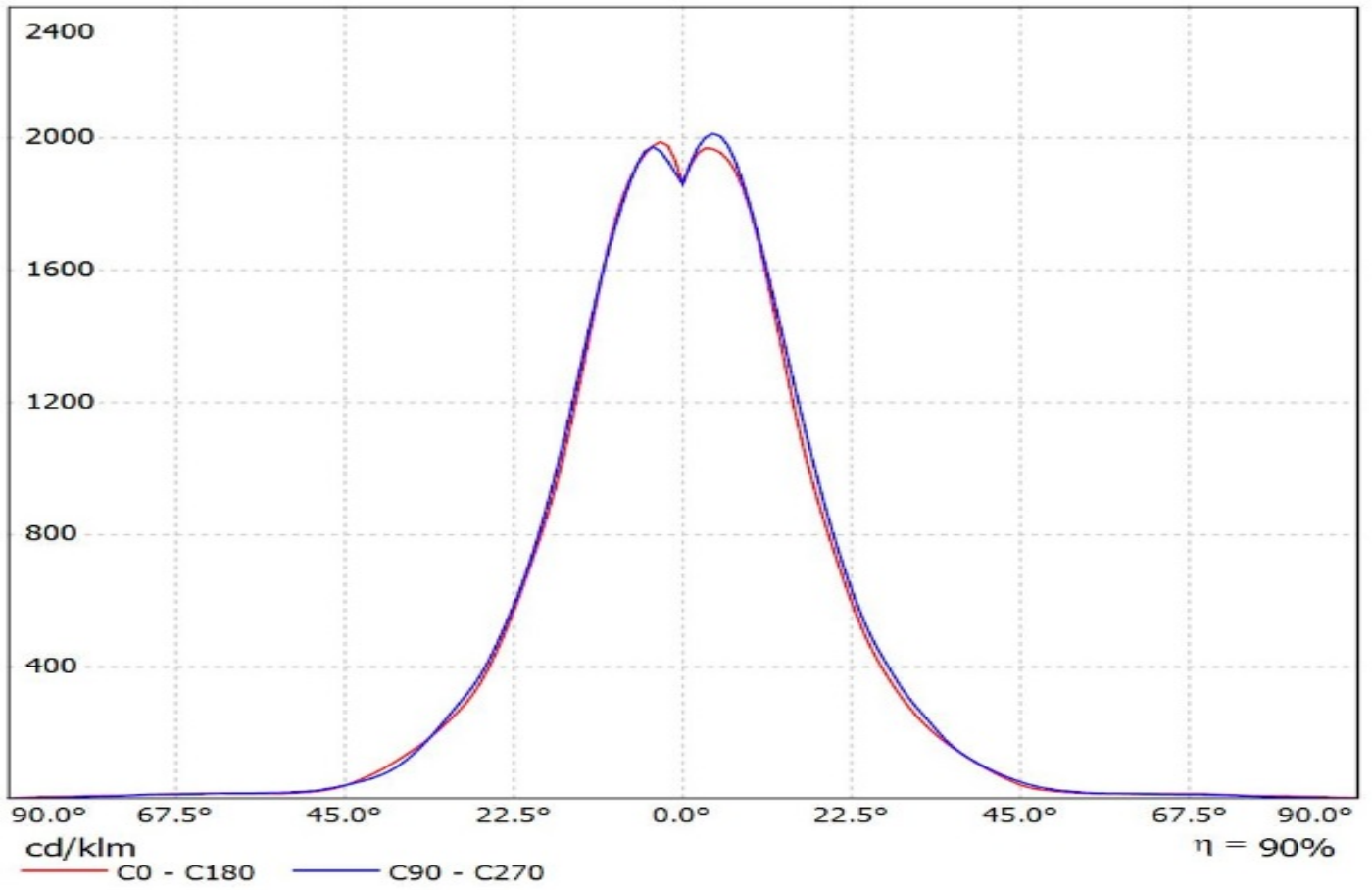
Luminaire: Ledil Oy CN14237_WINNIE-M_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



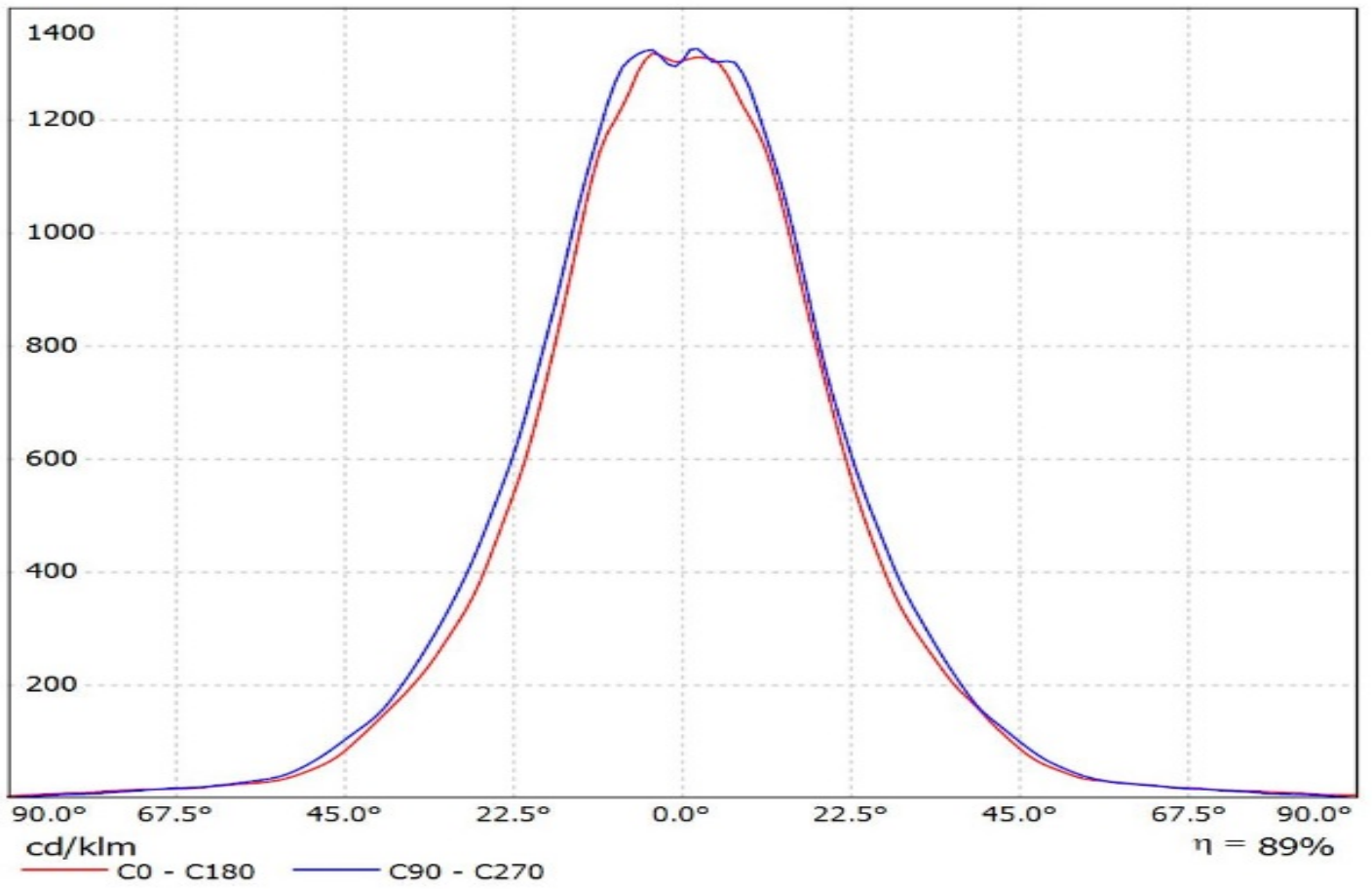
Luminaire: Ledil Oy CN14237_WINNIE-M_(LC010C)_ (479_Type_L5)_SIMULATED
Lamps: 1 x Samsung LC010C + Bender & Wirth 479 Type L5



Luminaire: Ledil Oy CN14237_WINNIE-M_(LC020C)_(B+W_479_Typ_L5)_SIMULATED
Lamps: 1 x Samsung LC020C

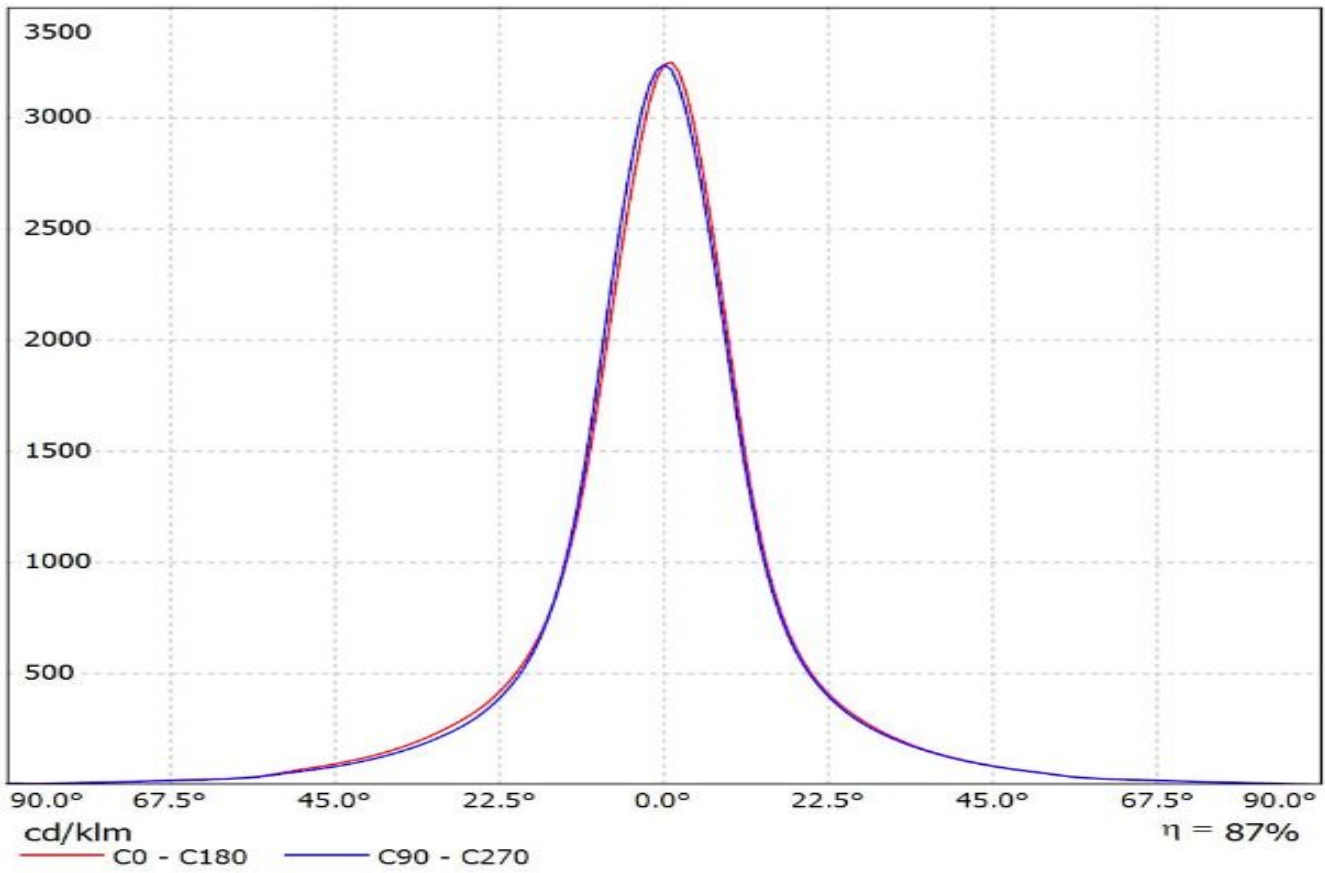


Luminaire: Ledil Oy CN14237_WINNIE-M_(LC040C)_(B+W_479_Typ_L5)_SIMULATED
Lamps: 1 x Samsung LC040C



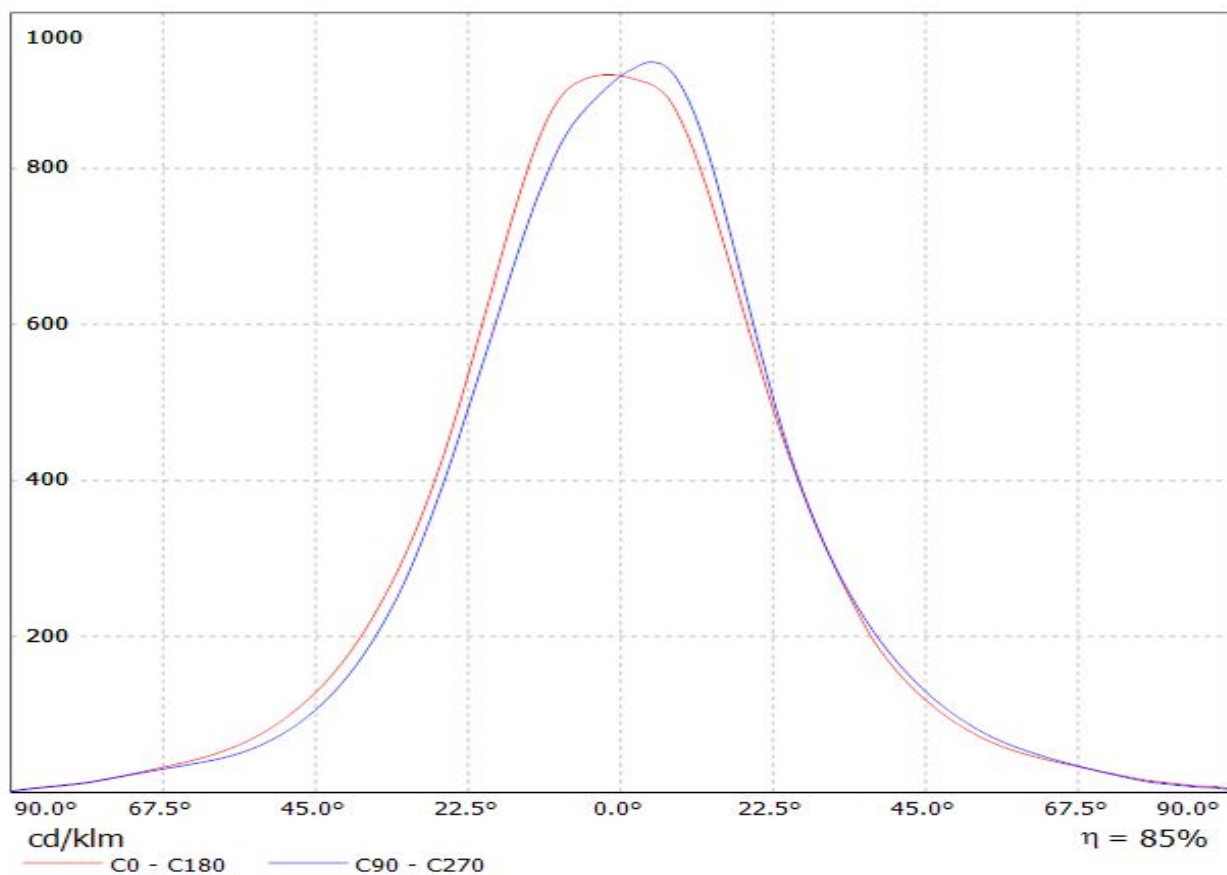
Luminaire: LEDiL Oy CN14236_WINNIE-S (COB_D_series_LES_9.8mm)

Lamps: 1 x Samsung_COB_D_series_LES_9.8mm_LC013D_551.044lm@100mA_P=3.2212W_I=0.100A



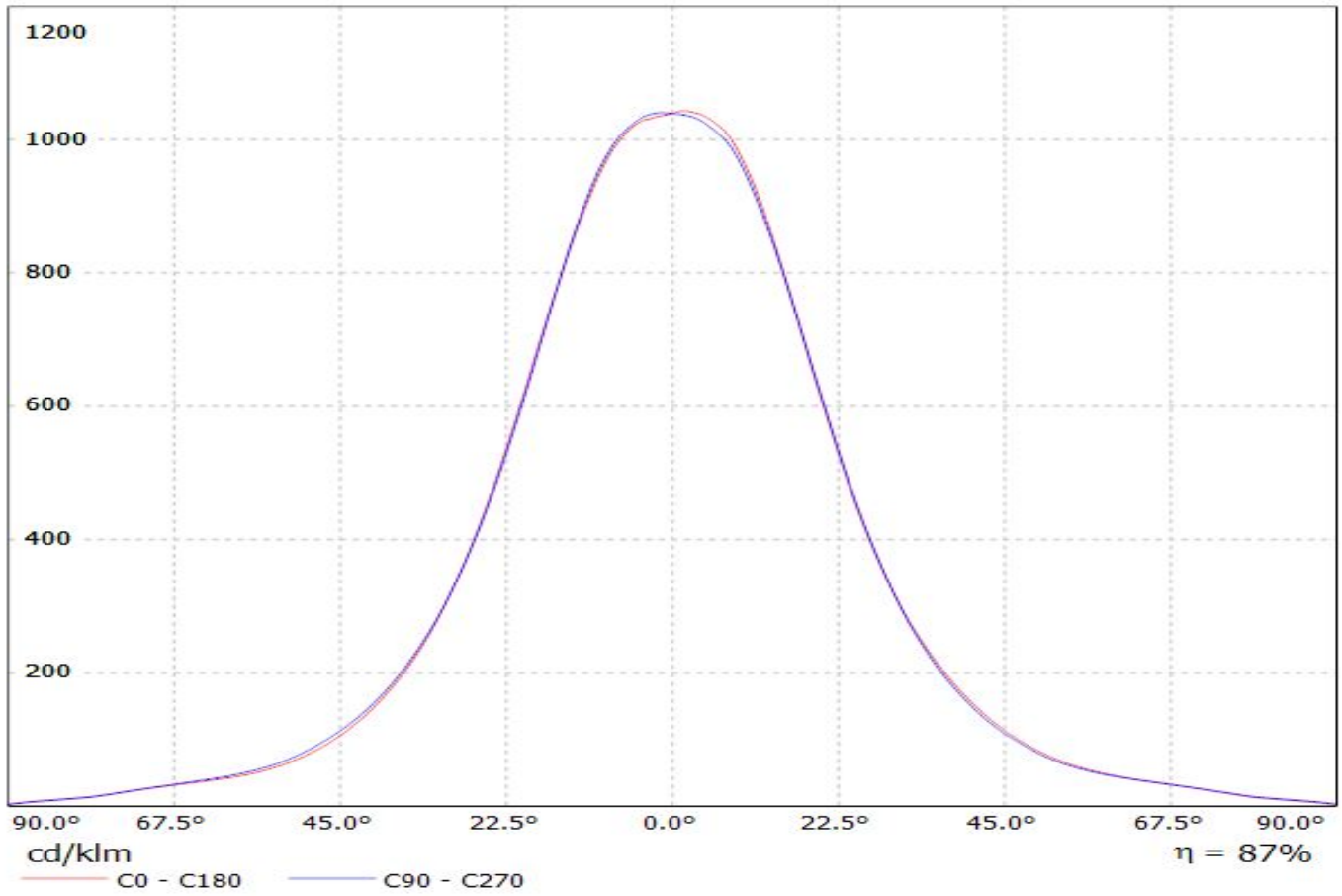
Luminaire: LEDiL Oy CN14237_WINNIE-M (COB_D_LES-14,5mm)

Lamps: 1 x Samsung_COB_D_Series-LES-14,5_LC026D_1266.67lm@250mA_CCT=3000K_P=8.07778W_I=0.250A



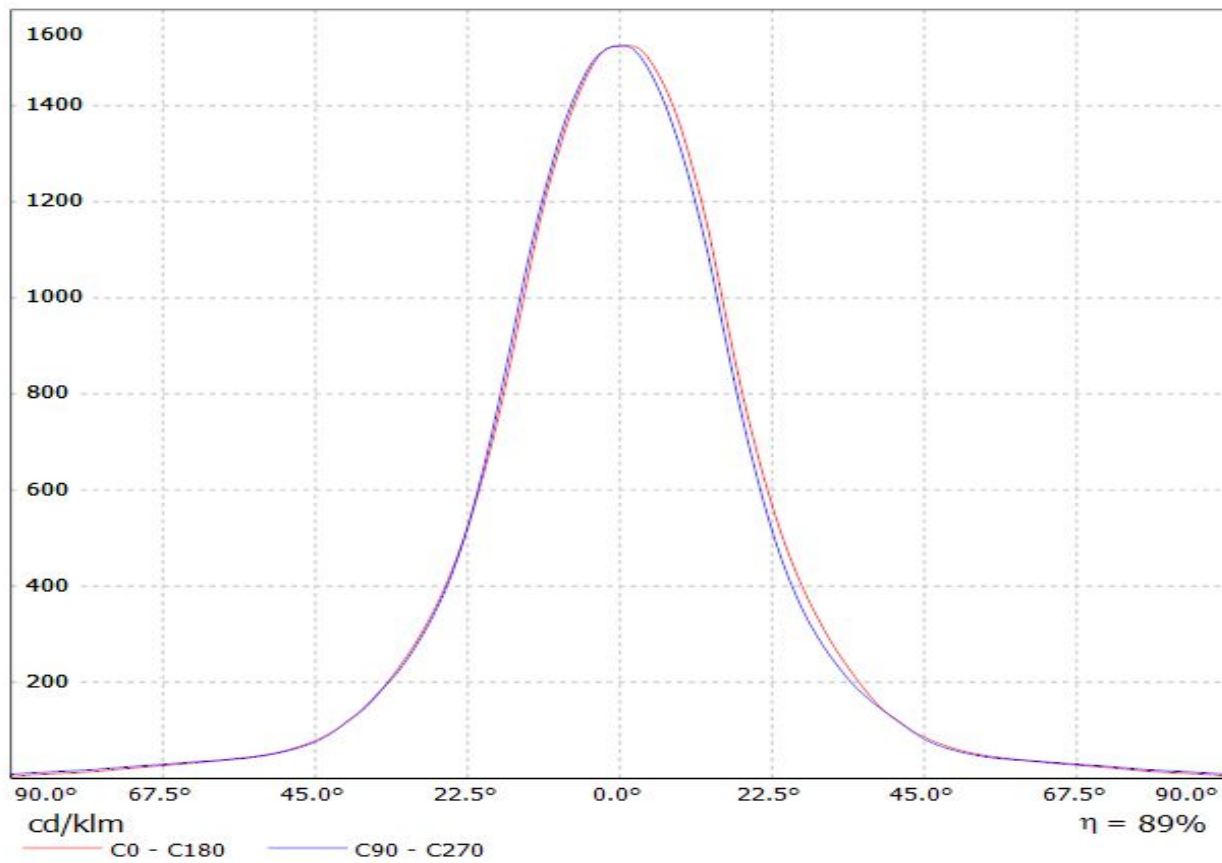
Luminaire: LEDiL Oy CN14237_WINNIE-M_(ZC12)

Lamps: 1 x Seoul_ZC12_(SDW82F1C)_+_B+W_433_Typ_L5_1217.21lm@250mA_P=8.64733W_I=250mA

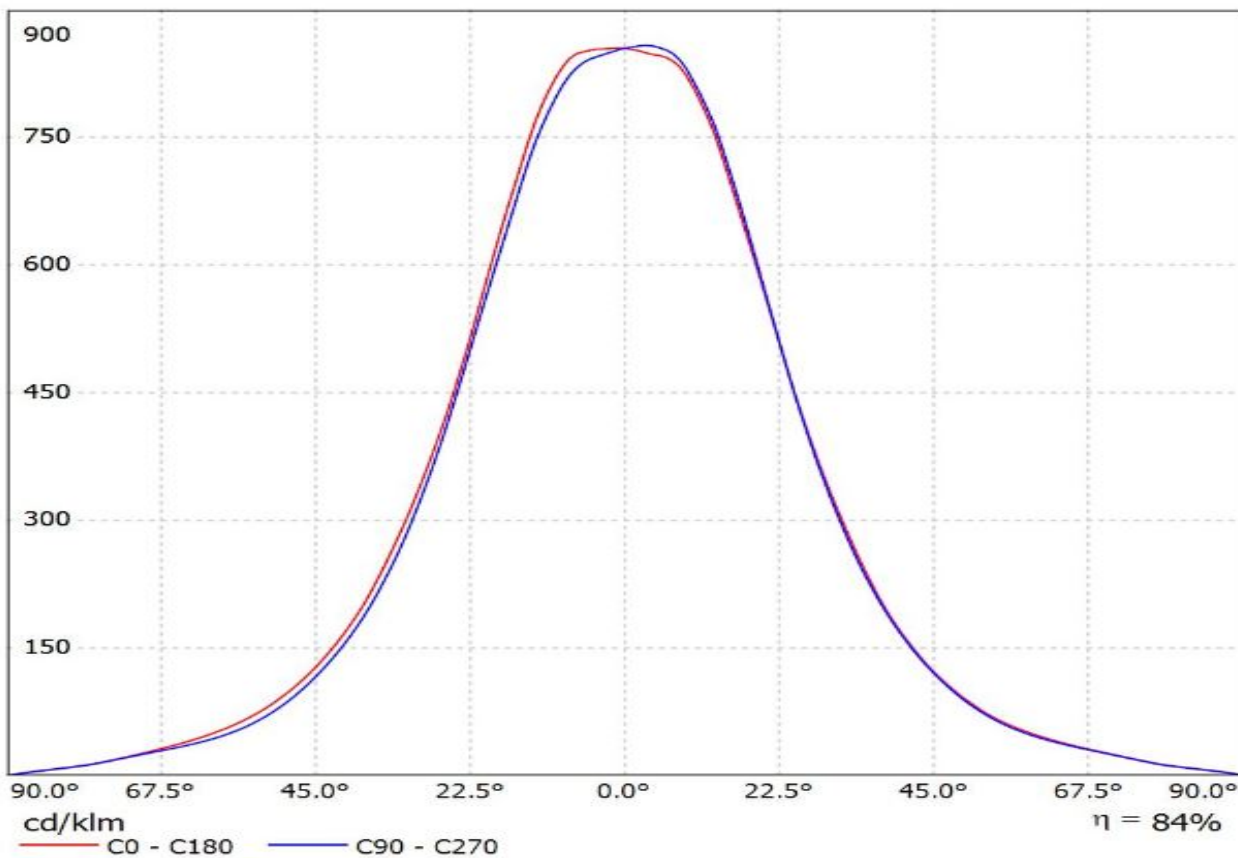


Luminaire: Ledil CN14237_WINNIE-M_(MJT_12W_Les9.8)

Lamps: 1 x Seoul_MJT_12W_Les9.8mm_(SAWx1063A)_1271.35lm@250mA_P=8.45475W_I=0.25A

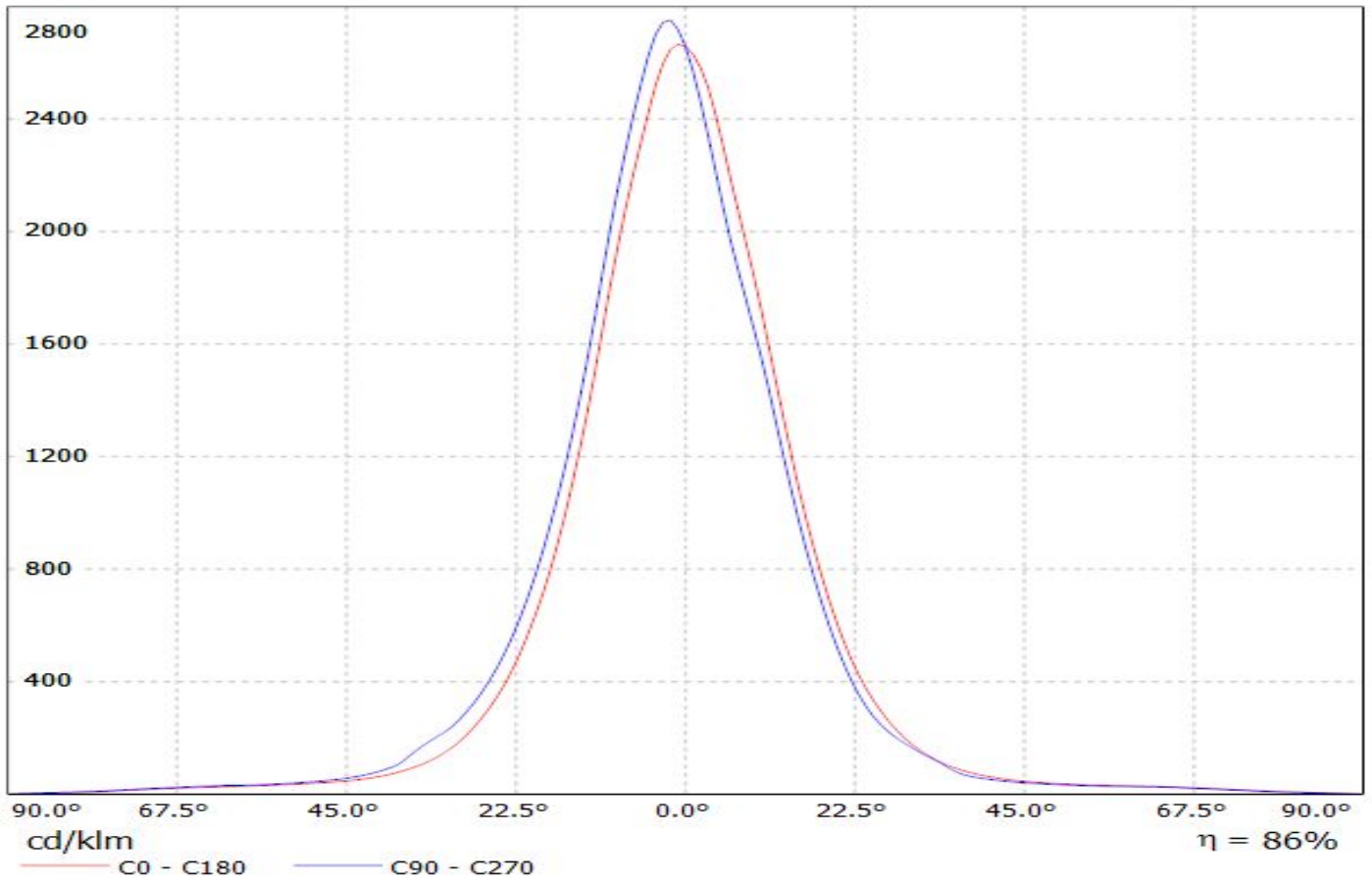


Luminaire: Ledil CN14237_WINNIE-M_(MJT_30W_Les14,5)_+433_Typ_L5
Lamps: 1 x Seoul_MJT_30W_Les14,5mm_(SAWx1566A)_+433_Typ_L5_1352.83lm@250mA_P=8.2325W_I=0.25A



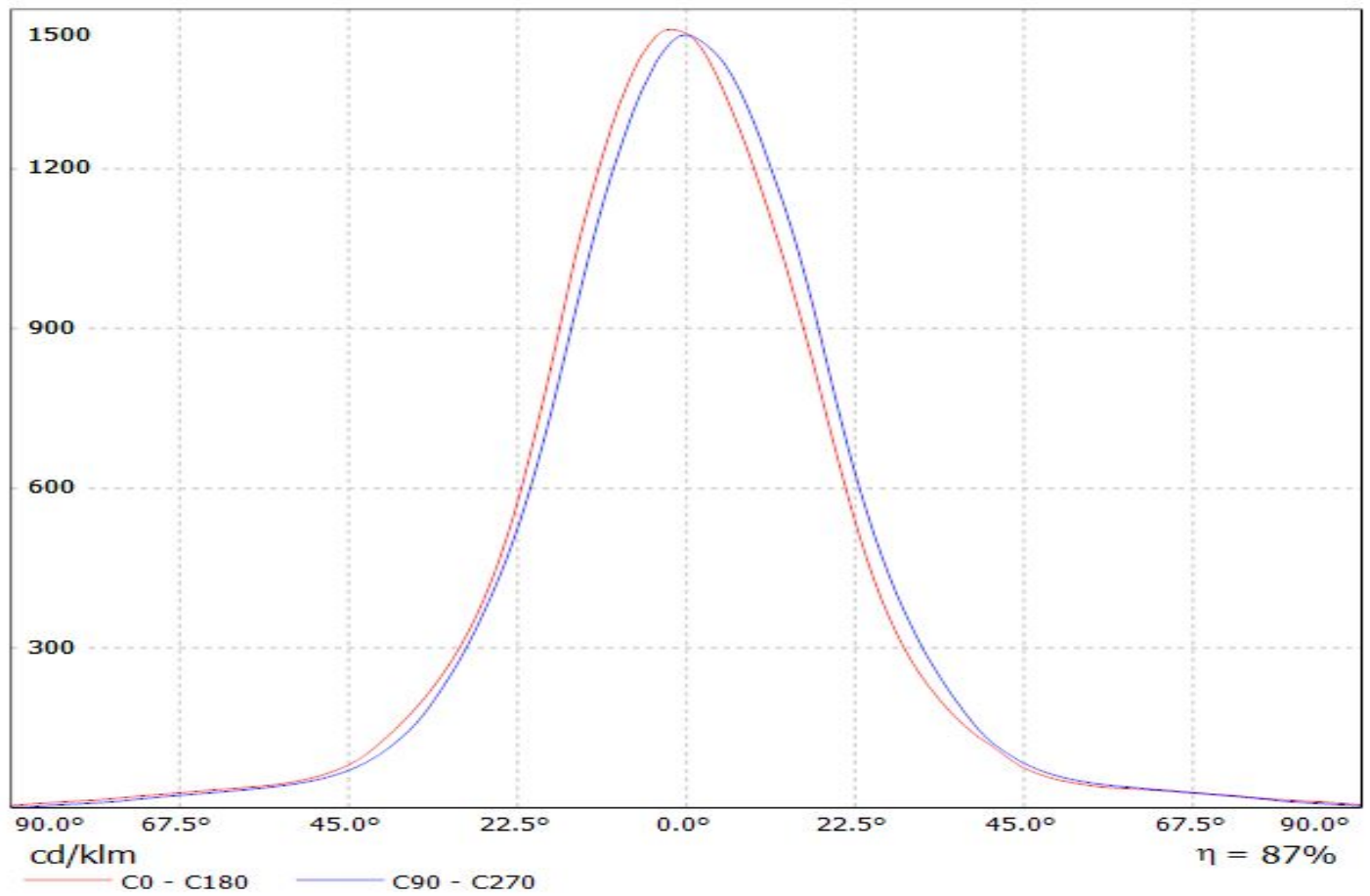
Luminaire: LEDiL Oy CN14237_WINNIE-M_(SLE-G5_LES-6)

Lamps: 1 x Tridonic_SLE-G5_LES-6_472.41lm@100mA_P=3.3763W_I=0.100A

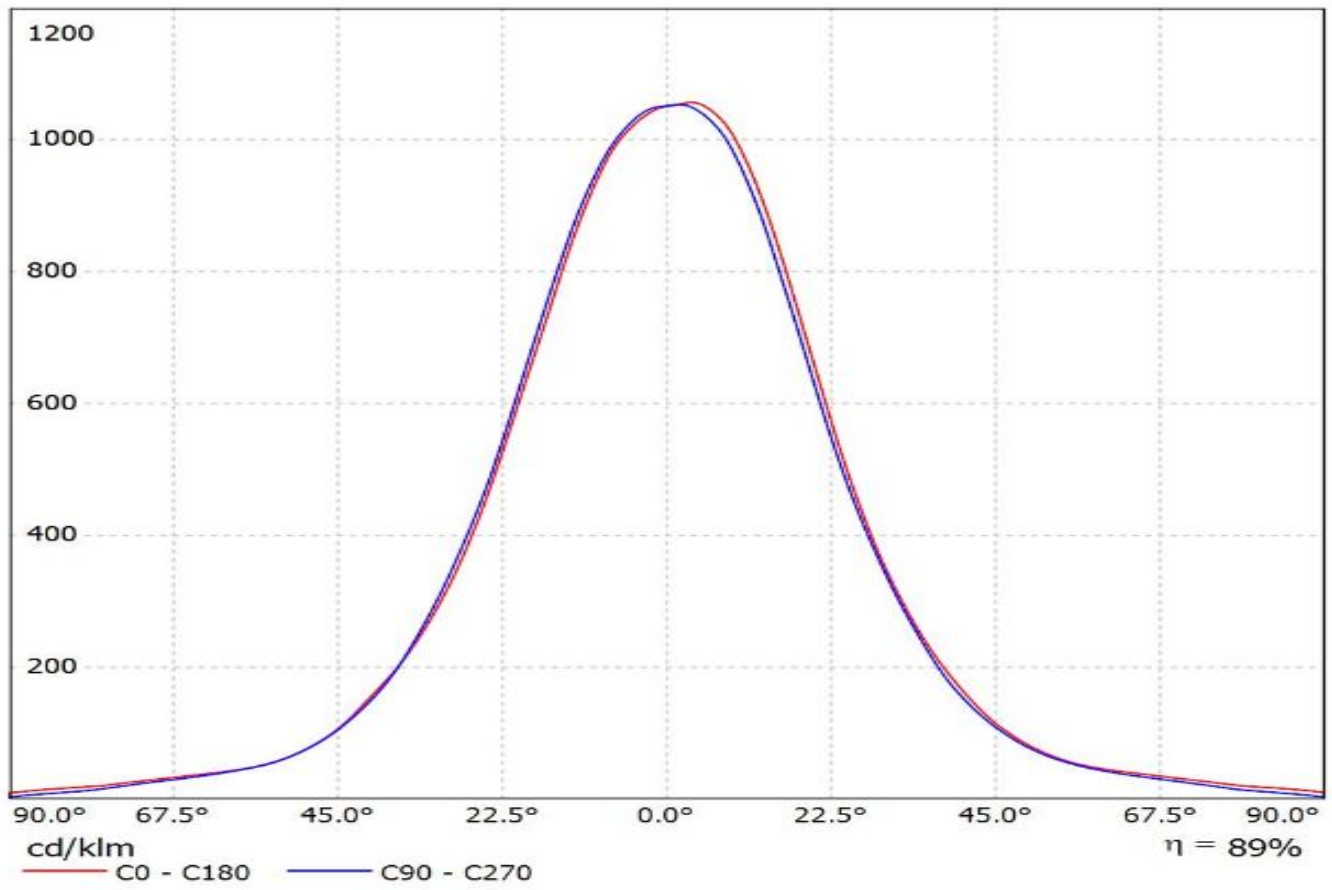


Luminaire: LEDiL Oy CN14237_WINNIE-M_(SLE-G5_LES-11)

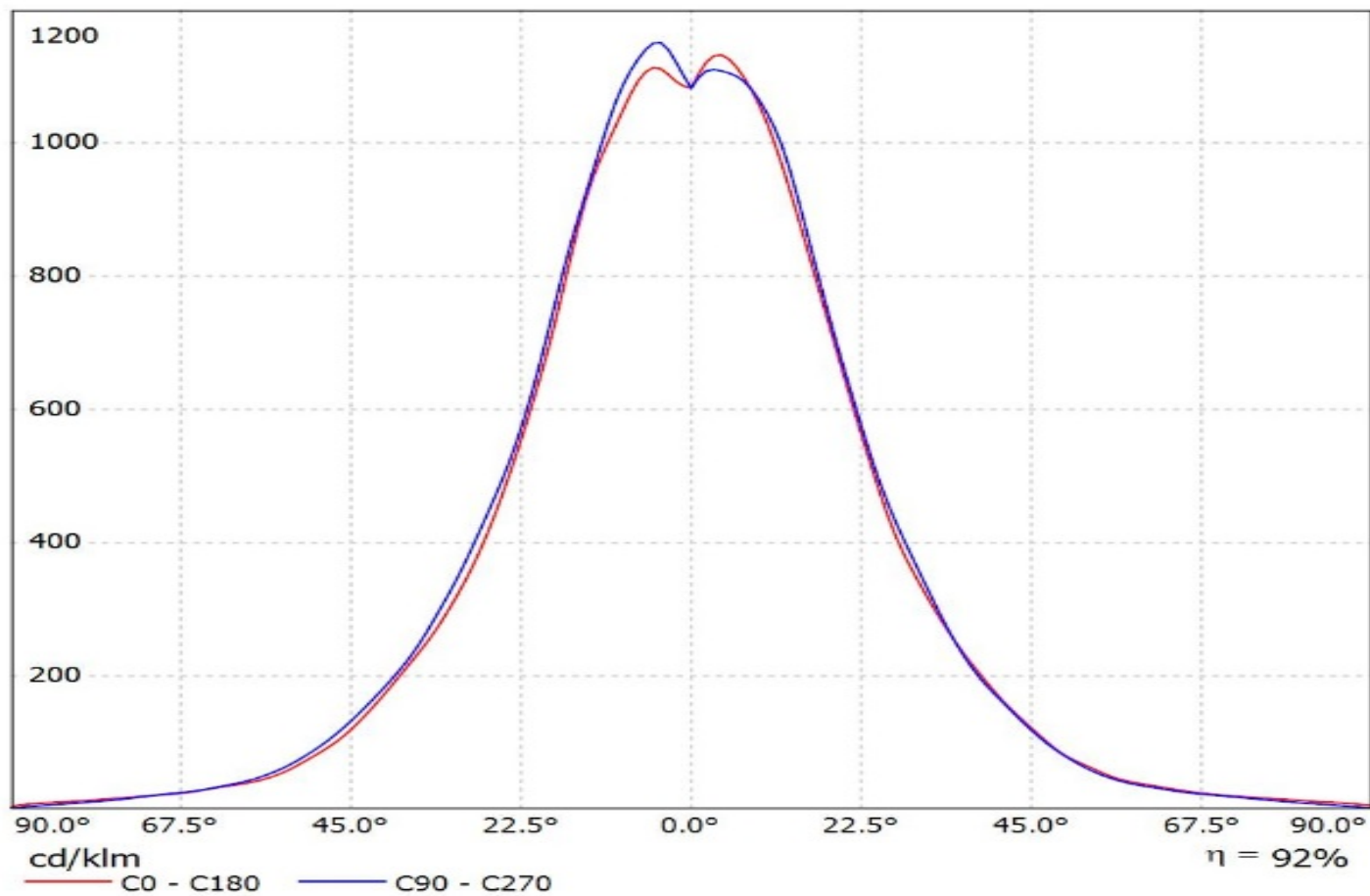
Lamps: 1 x Tridonic_SLE-G5_LES-15_1138.42lm@250mA_P=8.4110W_I=0.250A



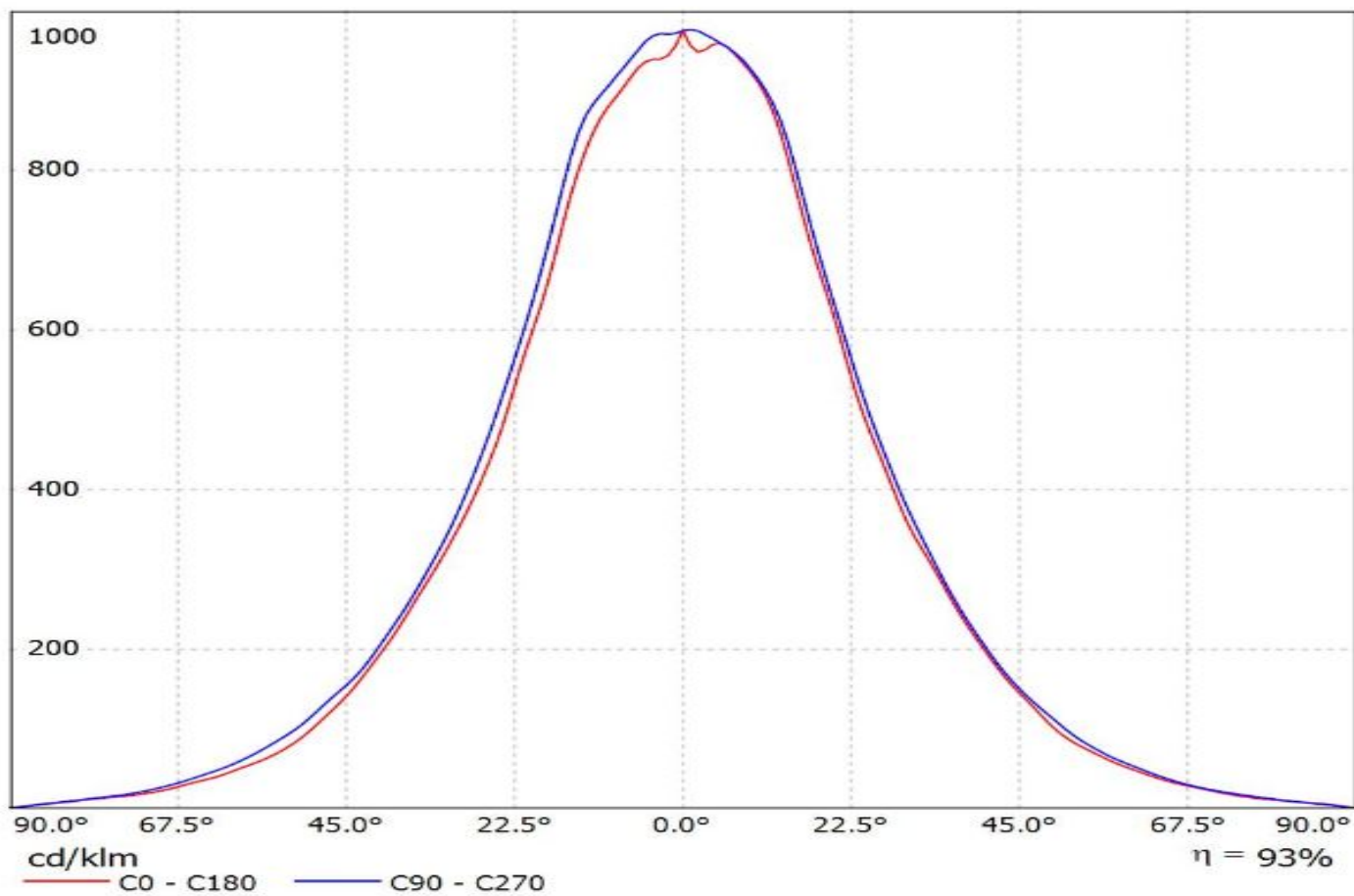
Luminaire: LEDiL Oy CN14237_WINNIE-M_(SLE-G5_LES-15)
Lamps: 1 x Tridonic_SLE-G5_LES-15_1267.45lm@250mA_P=8.6695W_I=0.250A



Luminaire: Ledil Oy CN14237_WINNIE-M_(SLE_G6_LES15)_(433_Typ_L5)_SIMULATED
Lamps: 1 x Tridonic SLE G5 LES15 + Bender & Wirth 433 Typ L5

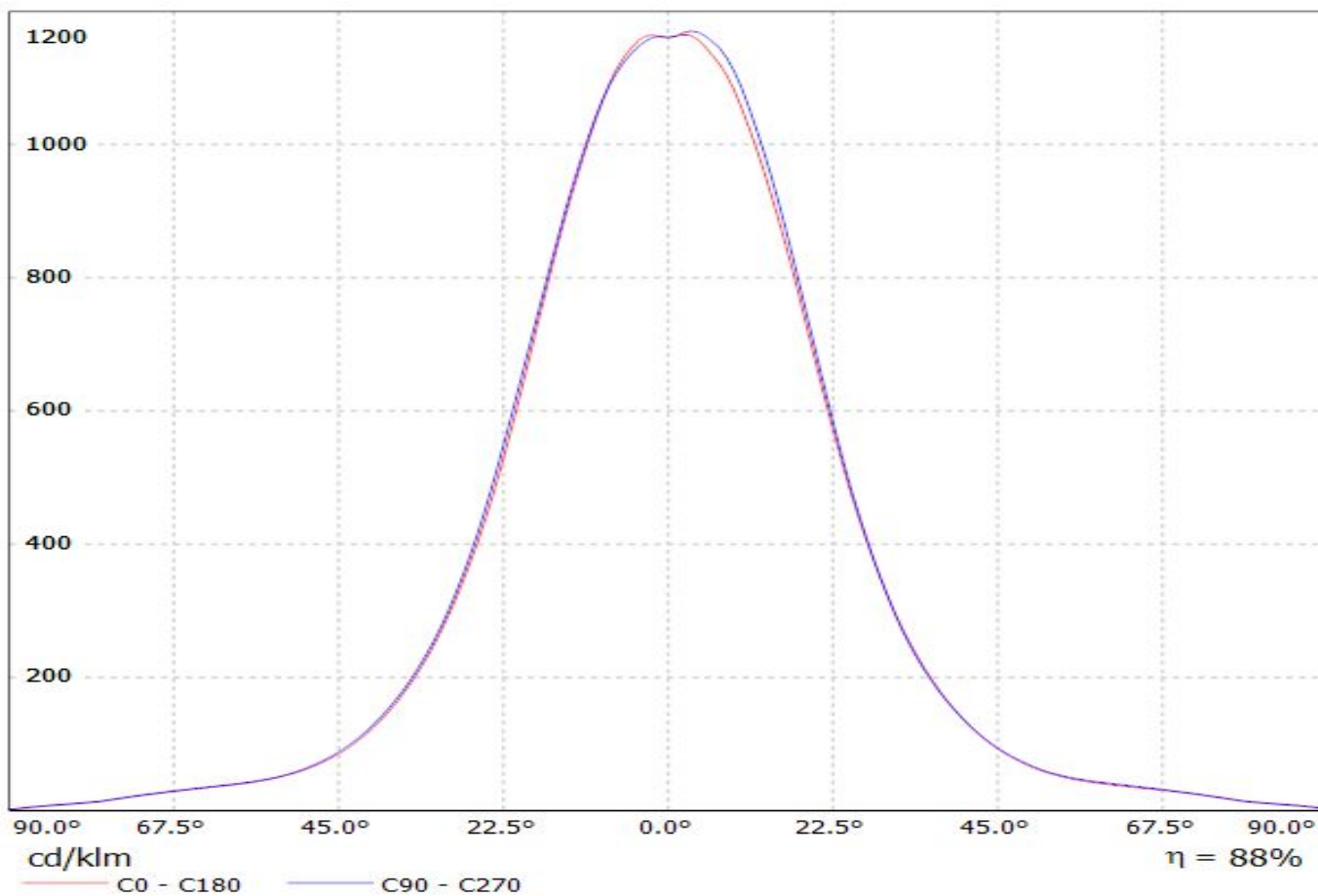


Luminaire: Ledil Oy CN14237_WINNIE-M+_B+W_433_Typ_L5_TRIDONIC_SLE_G6_LES17_SIMULATED
Lamps: 1 x TRIDONIC SLE G6 LES17



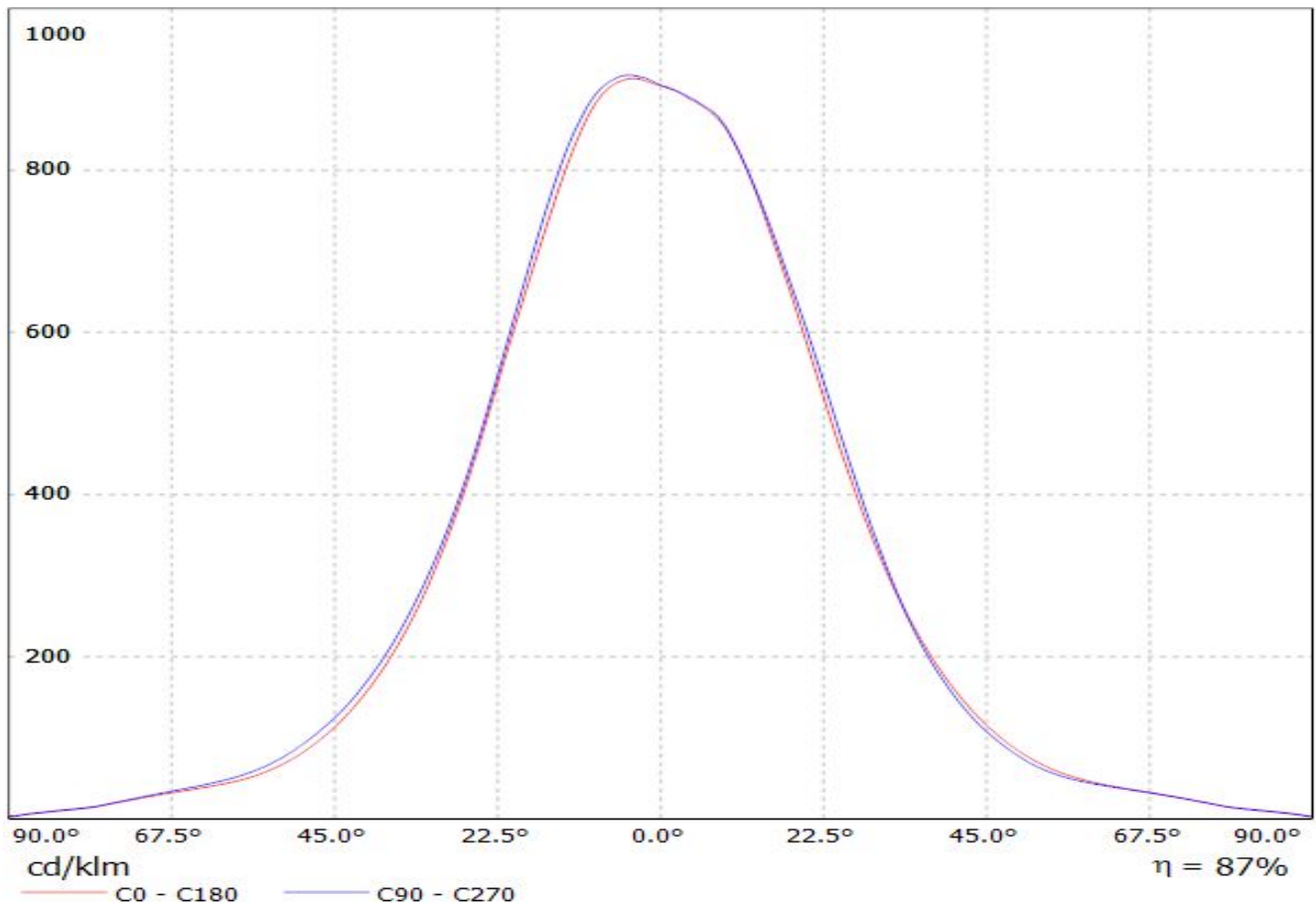
Luminaire: LEDiL Oy CN14237_WINNIE-M_(DMC125)

Lamps: 1 x DMC125+433_Typ_L5_1101.77lm@250mA_P=8.53017W_I=250mA



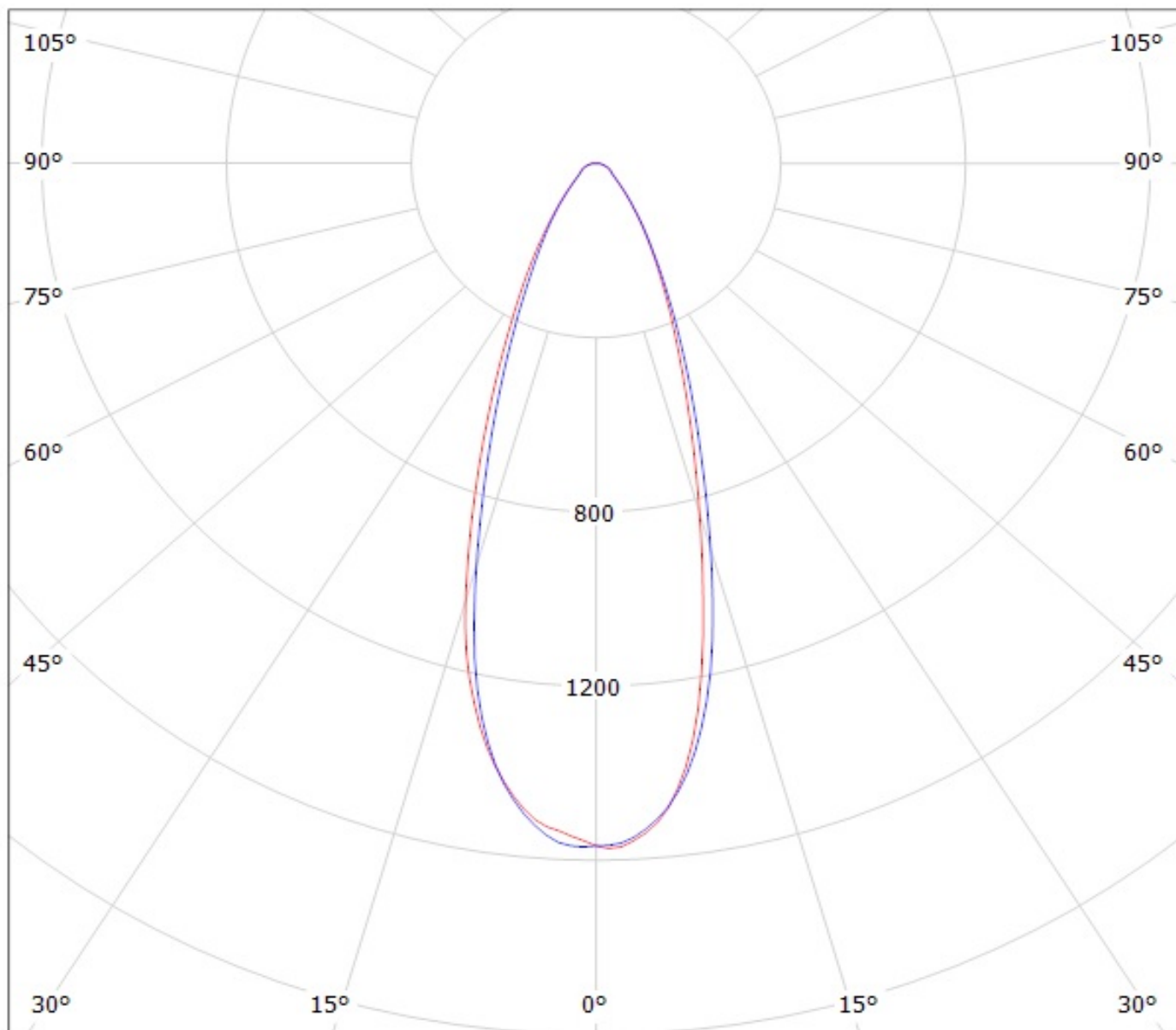
Luminaire: LEDiL Oy CN14237_WINNIE-M_(DMC128)

Lamps: 1 x DMC128+433_TYP_L5_825.549lm@250mA_P=8.28162W_I=250mA



Luminaire: LEDiL Oy CN14237_WINNIE-M_(VERO10)

Lamps: 1 x Bridgelux_VERO10_(301000B)_758.633lm@250mA_P=6.35346W_I=0.2499A



cd/klm

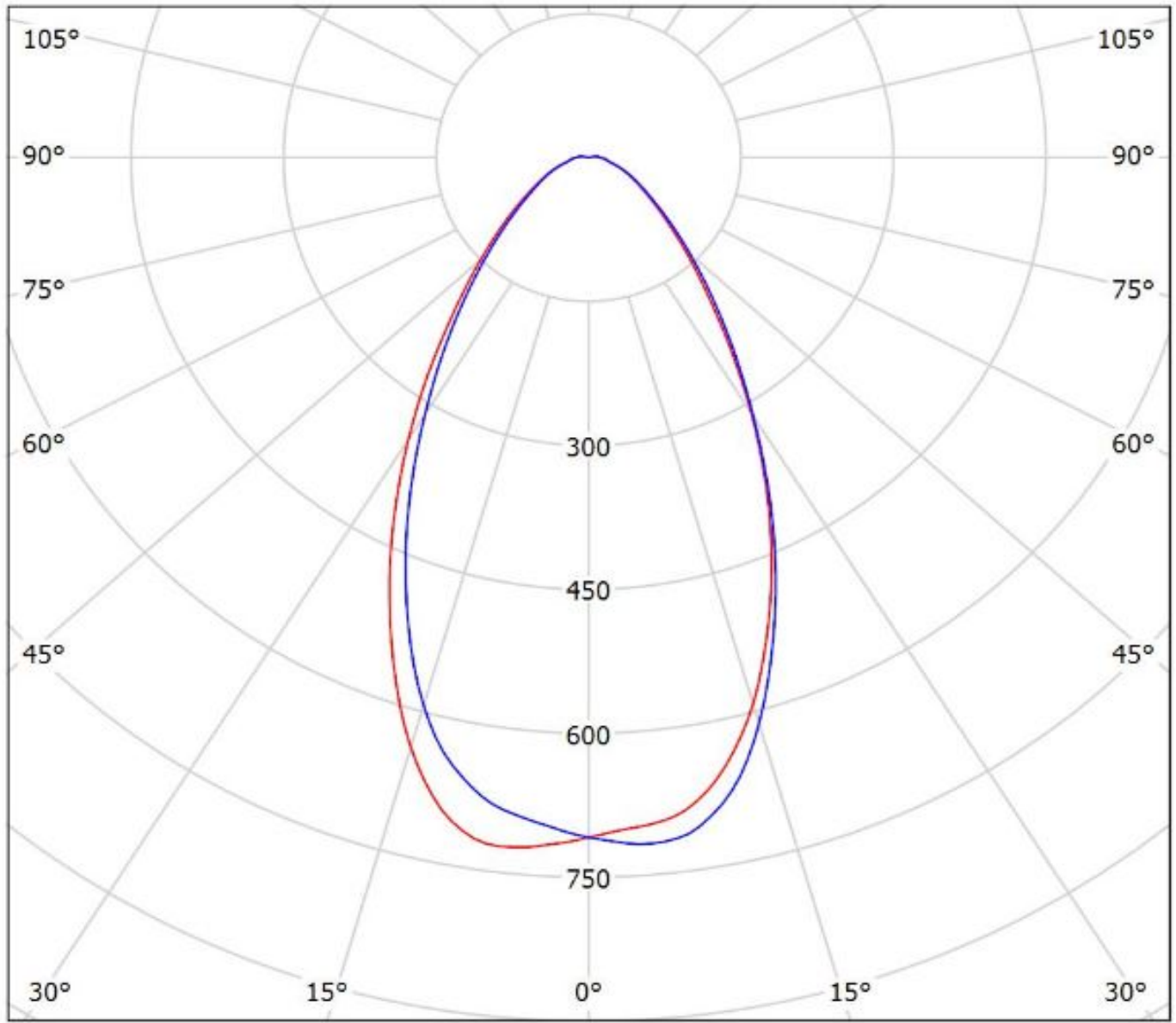
— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: Ledil CN14237_WINNIE-M_(V18)

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



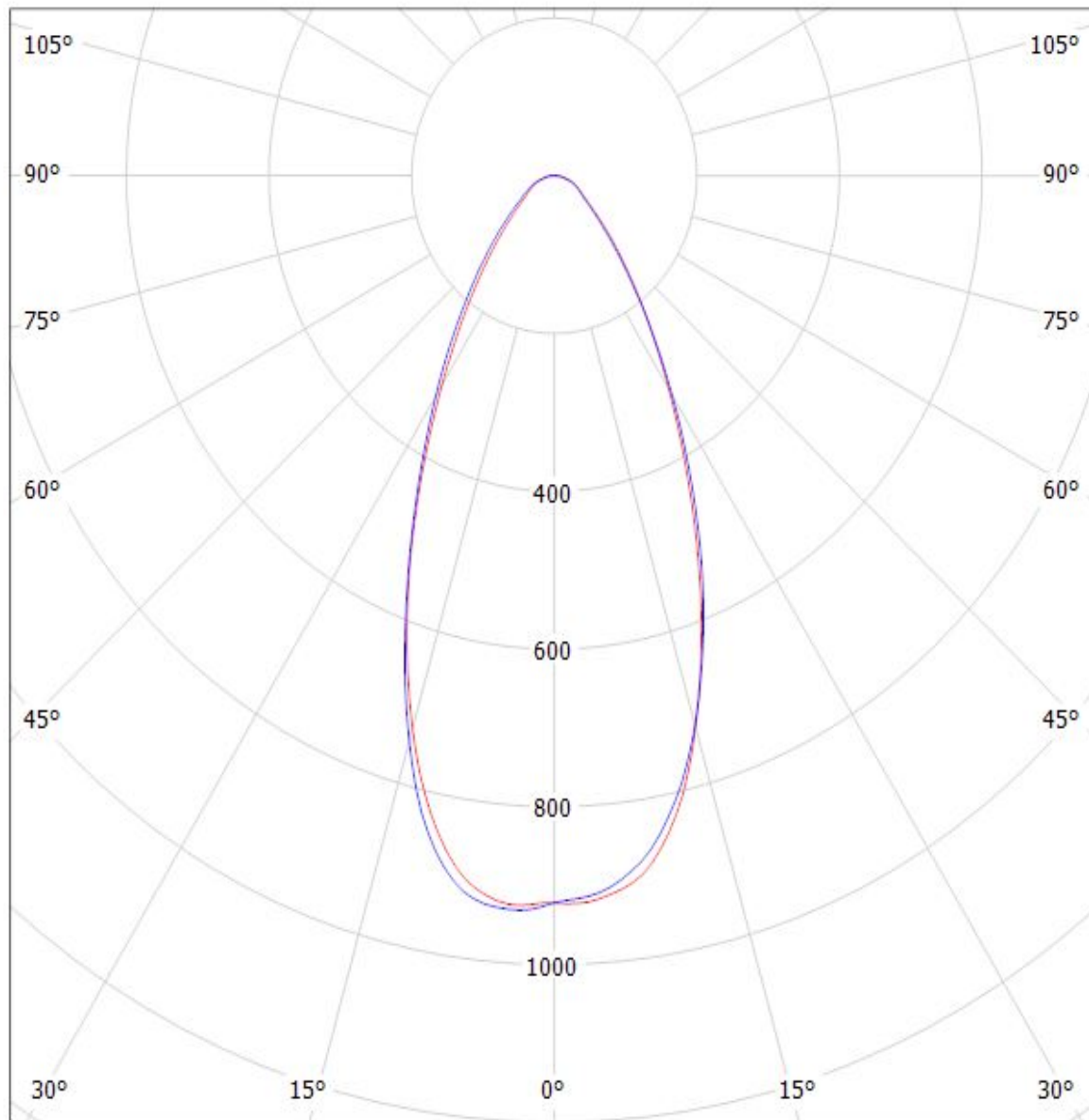
cd/klm

— C0 - C180 — C90 - C270

$\eta = 88\%$

Luminaire: LEDiL Oy CN14237_WINNIE-M_(CLU034)

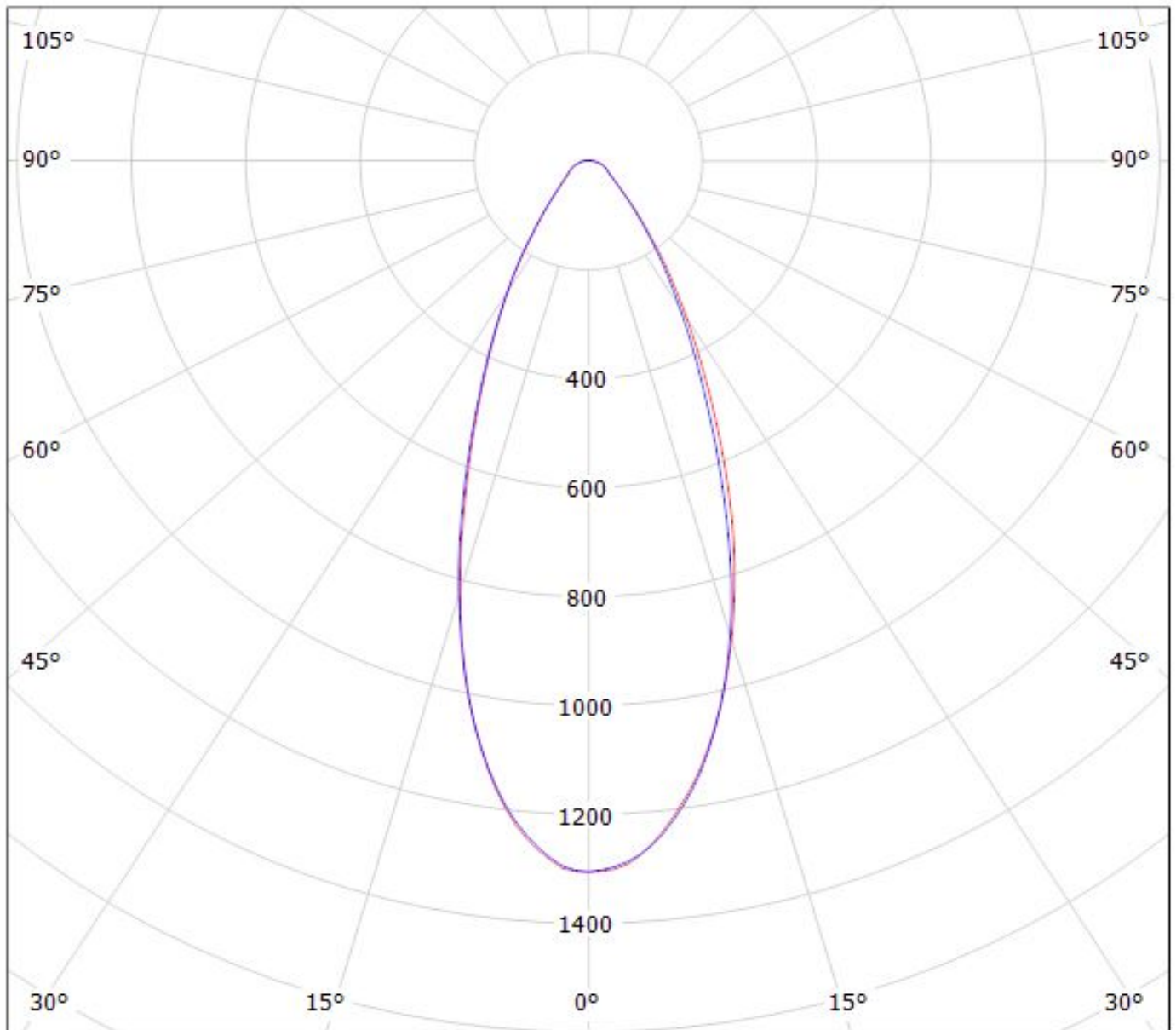
Lamps: 1 x Citizen_CLU034_(CLL034-1205B8-303M1A2)_+_B+W_433_Typ_L5_1154.06lm@250mA_P=8.45523W_I=250mA



— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CN14237_WINNIE-M_(CITIZEN_CLU720)

Lamps: 1 x CITIZEN_CLU720_(433 Typ L5)_1198.27lm@250mA_P=8.30318W_I=0.25A



cd/klm

— C0 - C180

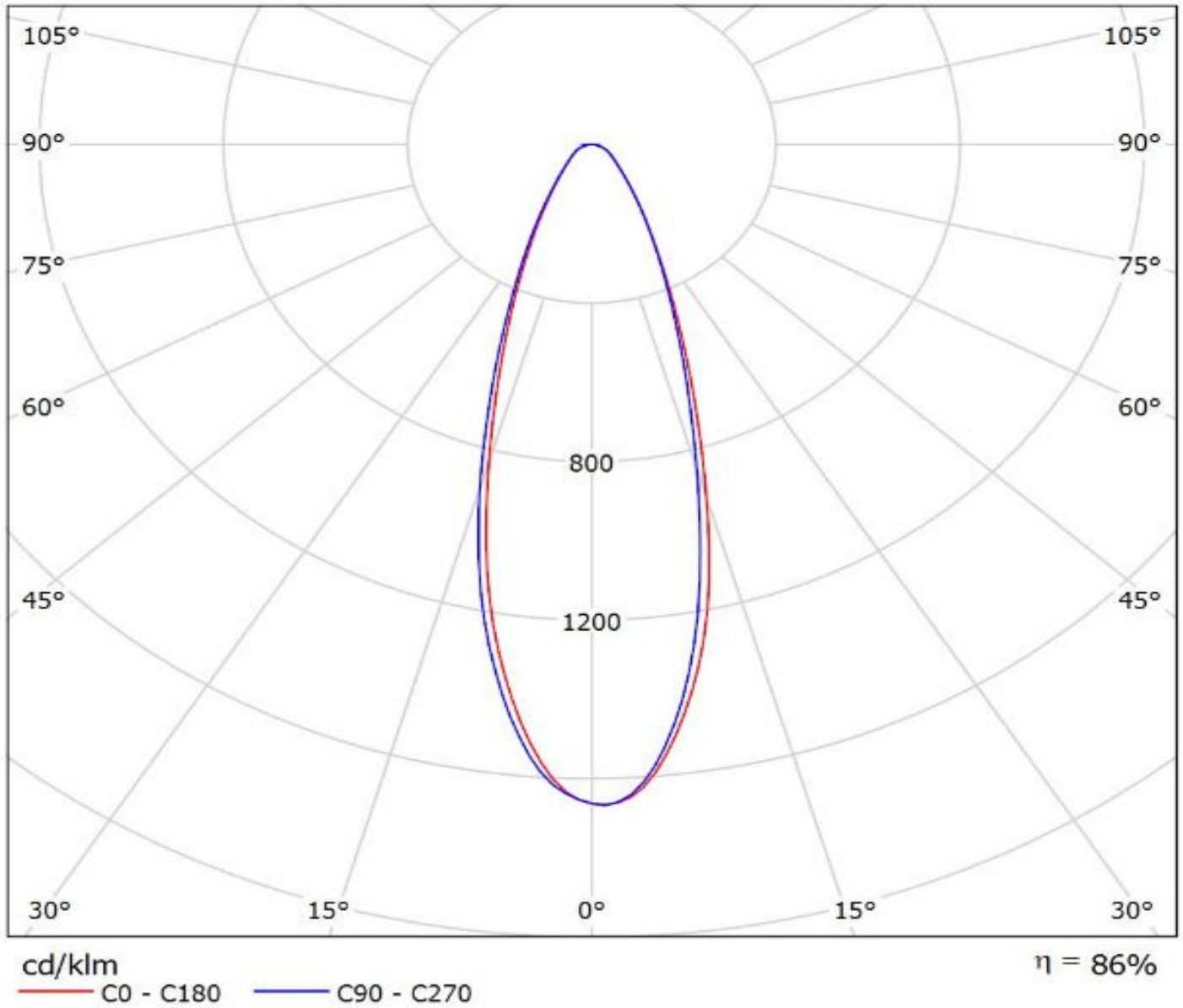
— C90 - C270

$\eta = 90\%$

Ledil CN14237_WINNIE-M_(CLU710) / LDC (Polar)

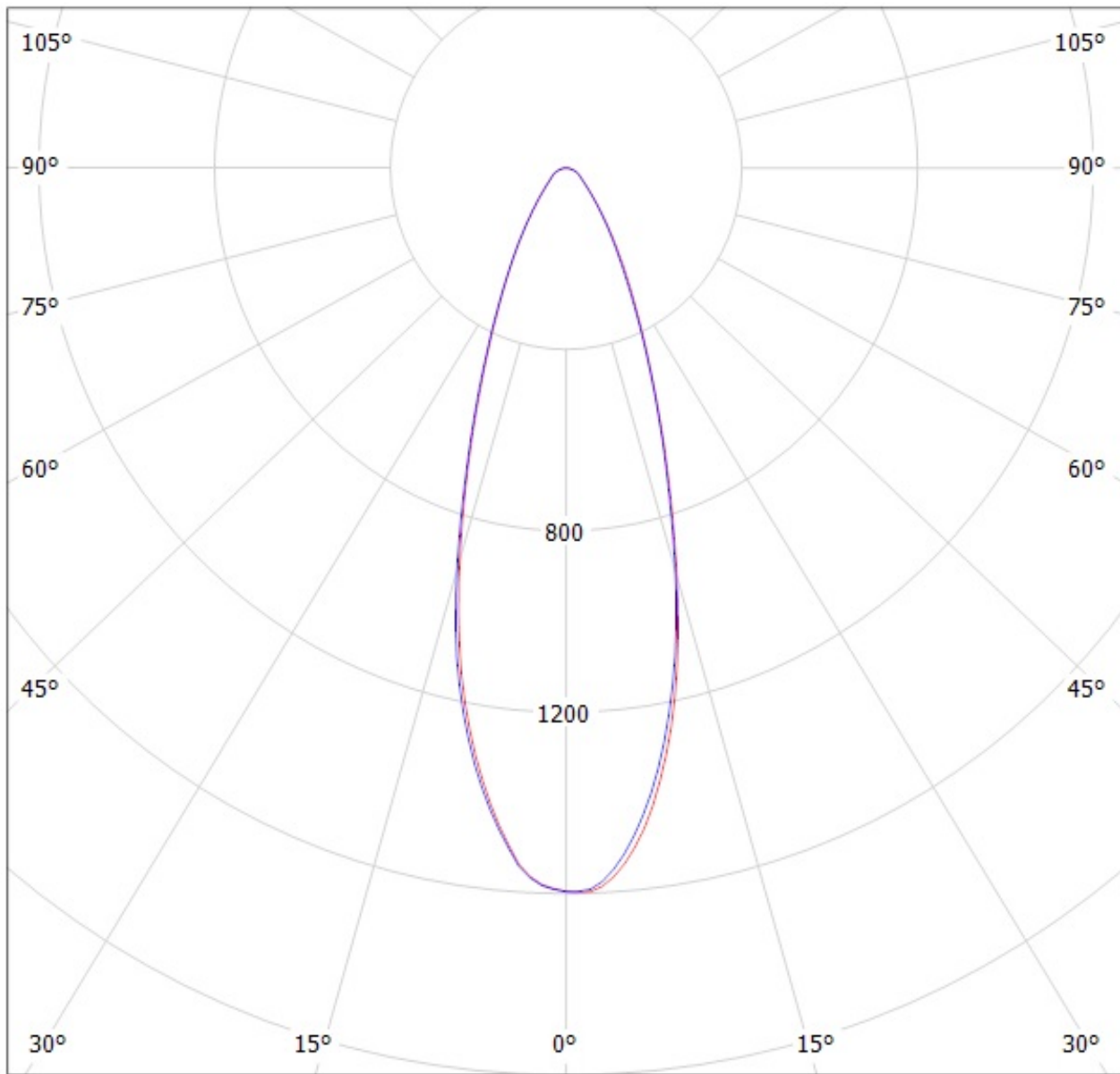
Luminaire: Ledil CN14237_WINNIE-M_(CLU710)

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



Luminaire: LEDiL Oy CN14237_WINNIE-M_(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



cd/klm

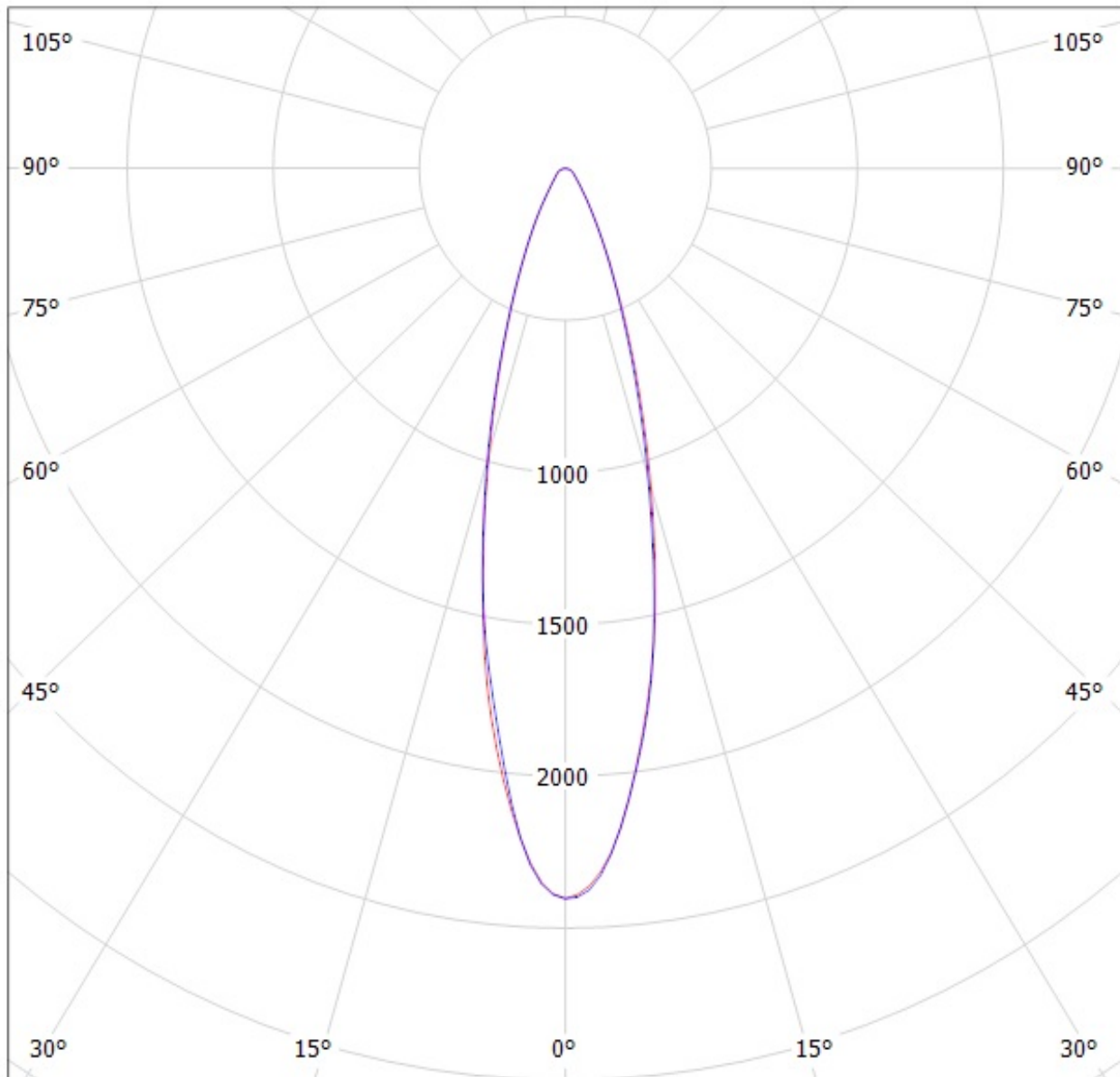
— C0 - C180

— C90 - C270

$\eta = 86\%$

Luminaire: LEDiL Oy CN14237_WINNIE-M_(CLU700)_434-Typ-L5

Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_434_Typ_L5_377.008lm@100mA_P=2.82212W_I=0.1001A



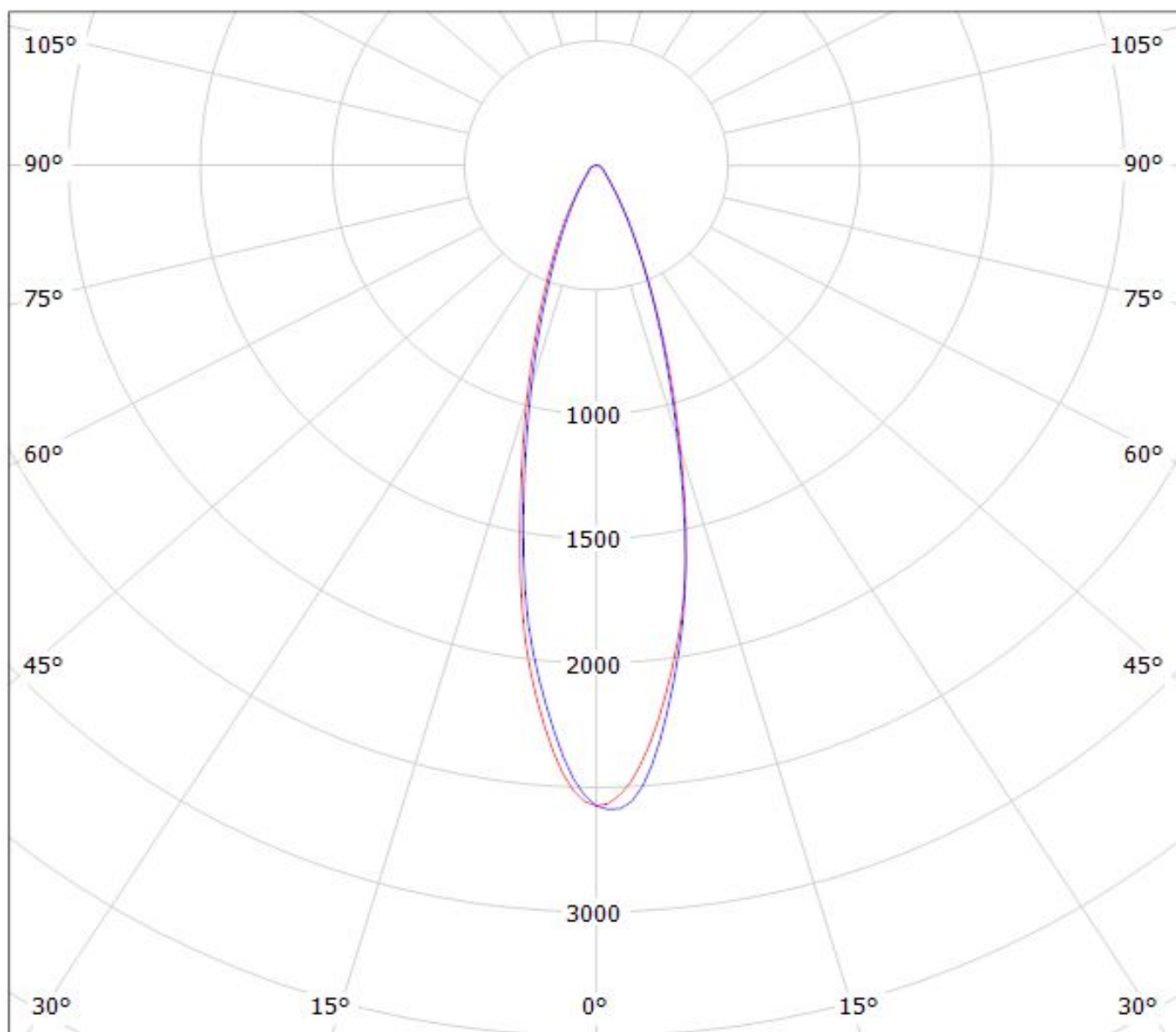
cd/klm

$\eta = 87\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CN14237_WINNIE-M_(CLU700)

Lamps: 1 x Citizen_CLU700_367.467lm@100mA_P=2.77574W_I=0.1002A



cd/klm

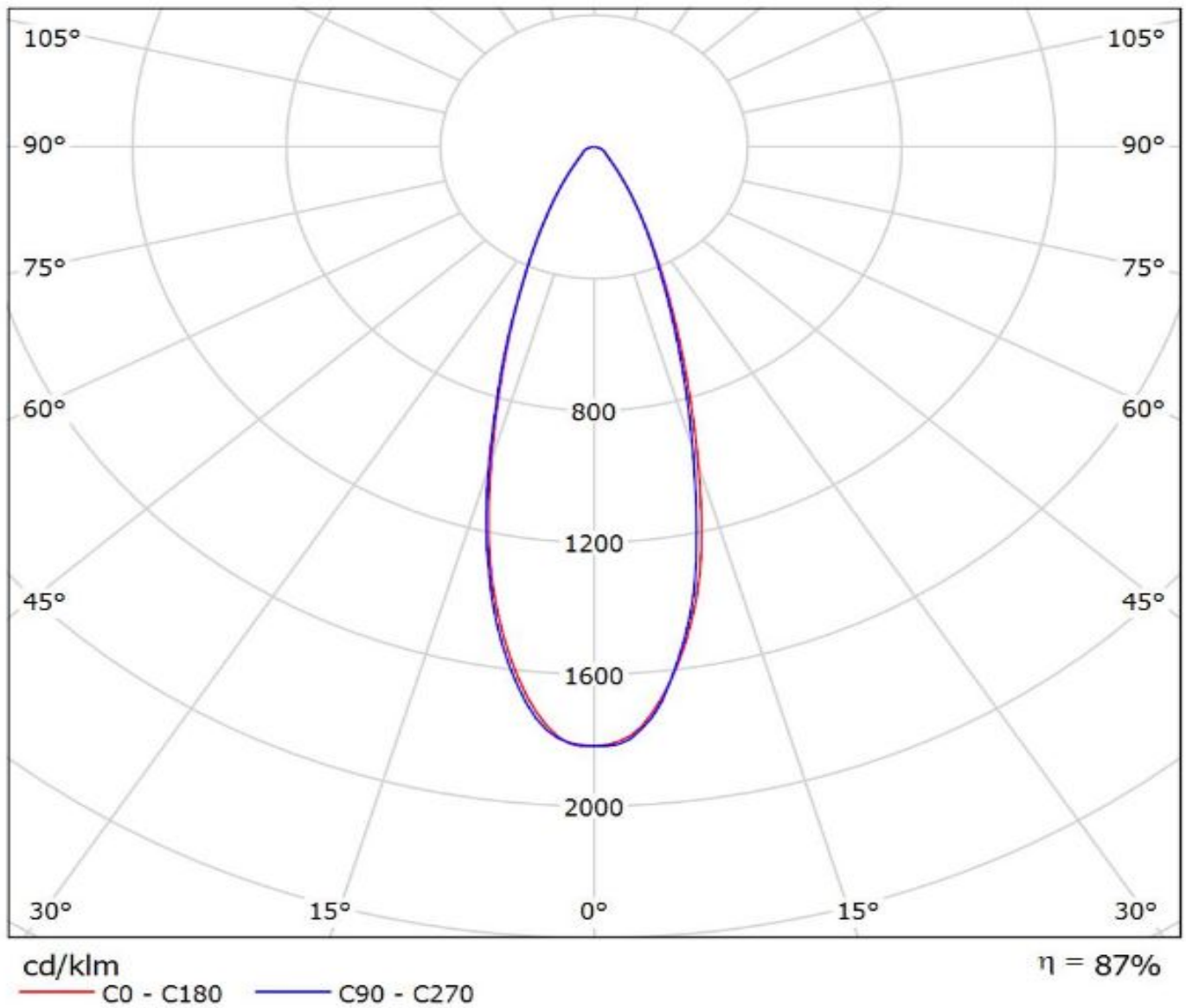
— C0 - C180

— C90 - C270

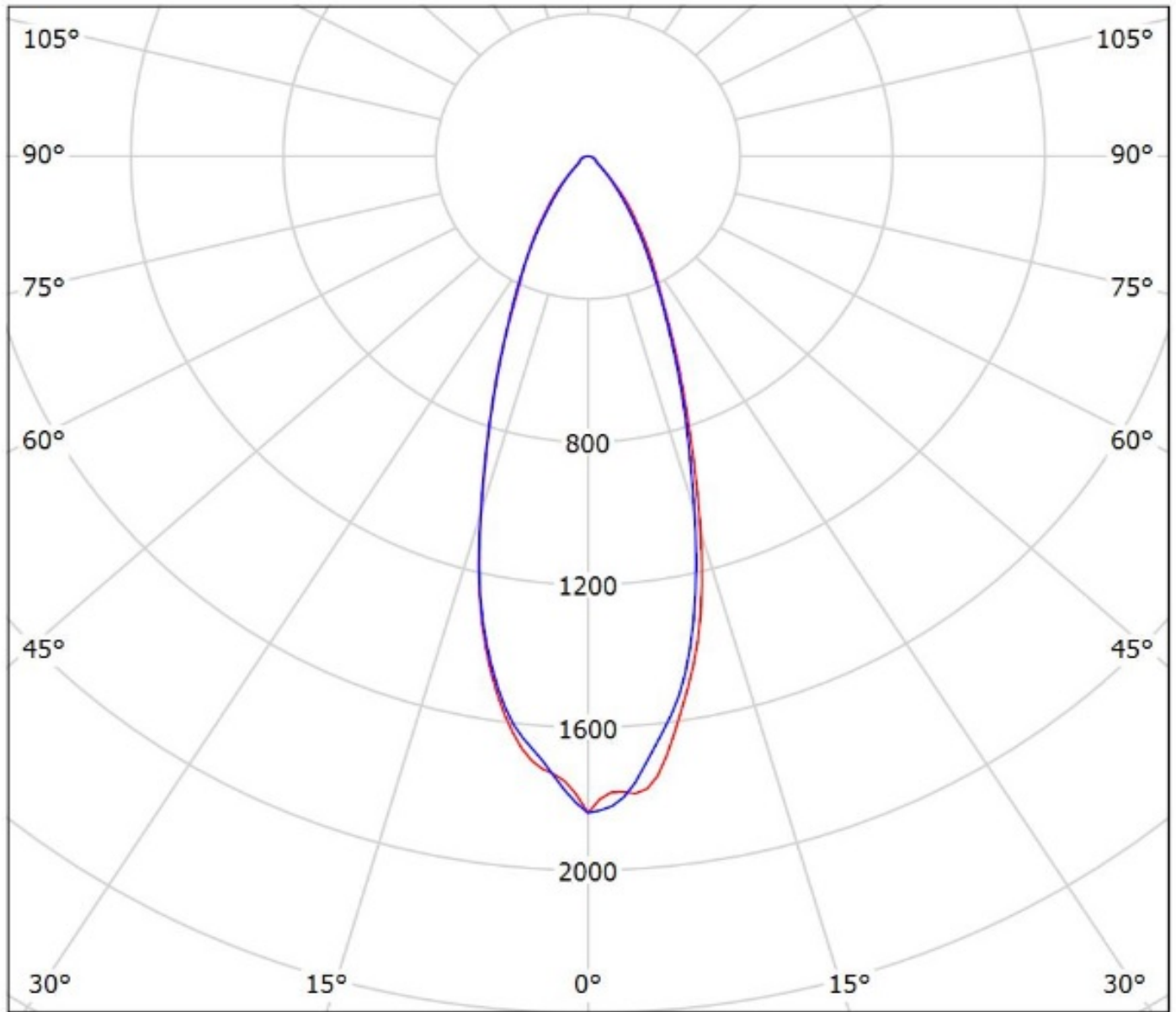
$\eta = 89\%$

Ledil CN14237_WINNIE-M_(CLU710)_(470_Typ_L5) / LDC (Polar)

Luminaire: Ledil CN14237_WINNIE-M_(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 CN14237_WINNIE-M_(CLU028)_SIMULATED
Lamps: 1 x Citizen CLU028-1204C4-303M2K1



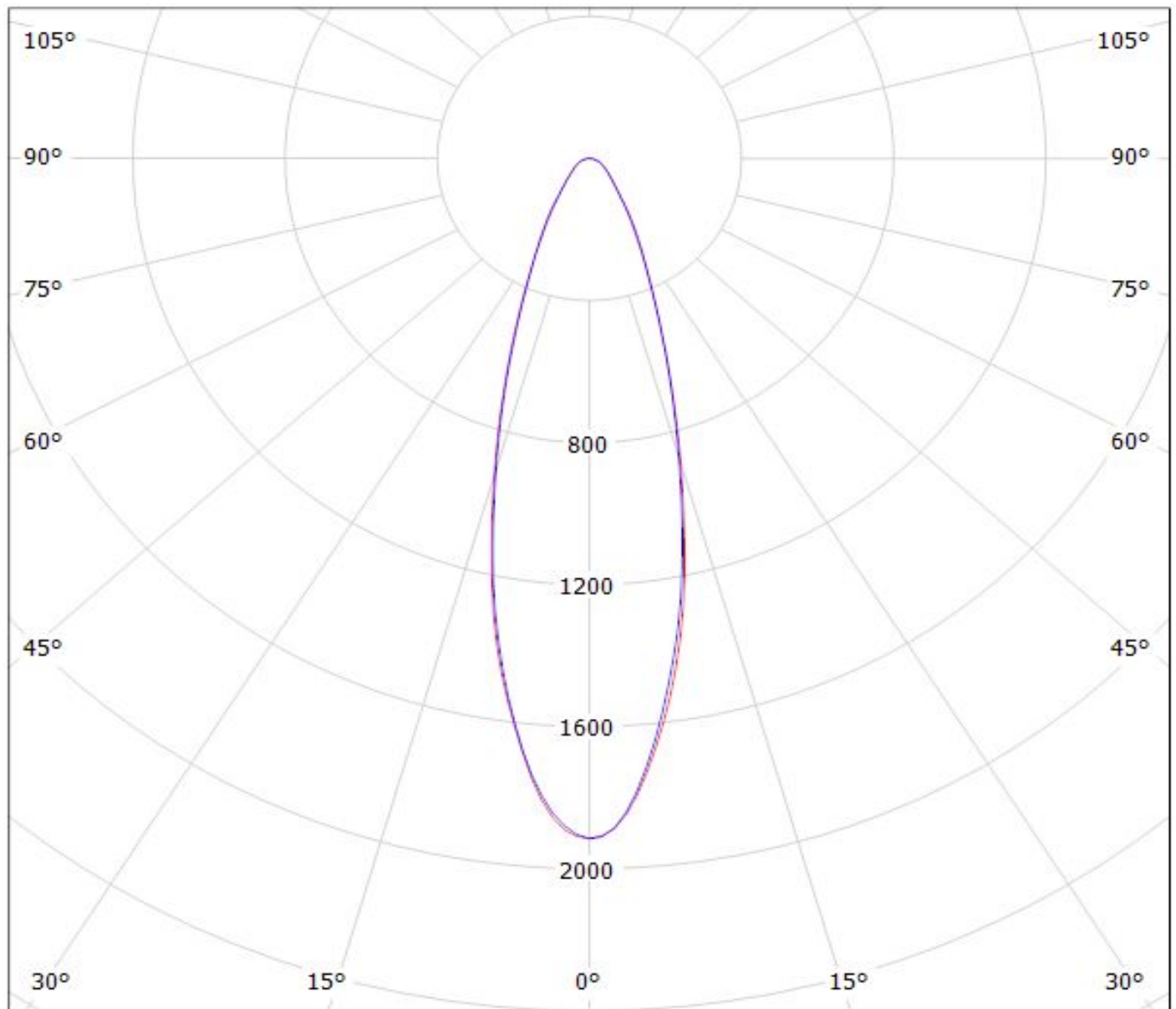
cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: Ledil CN14237_WINNIE-M_(MHD-G)

Lamps: 1 x Cree MHD-G_530.44lm@100mA_P=3.0W_I=0.100A



cd/klm

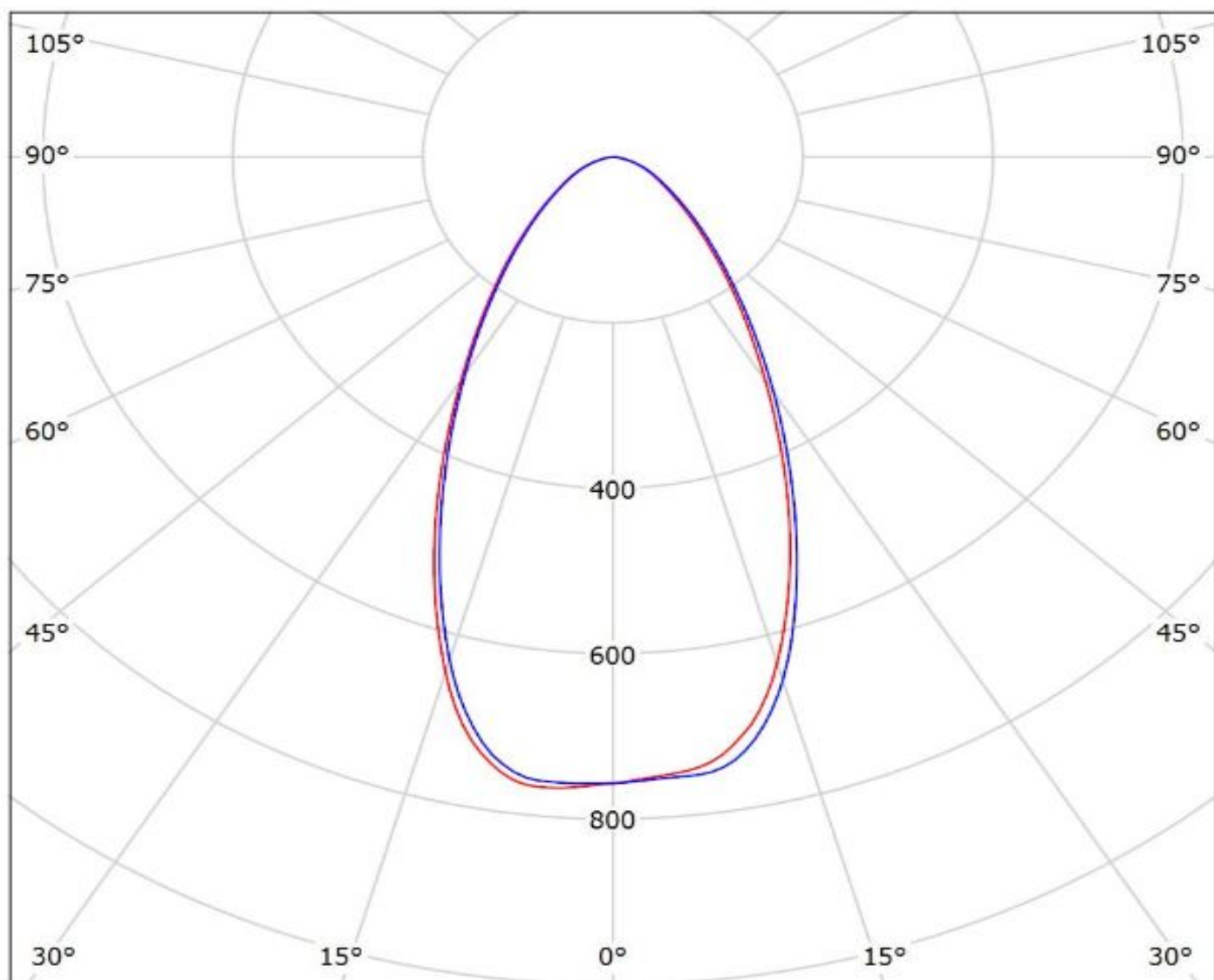
— C0 - C180 — C90 - C270

$\eta = 87\%$

Ledil CN14237_WINNIE-M_(CXA2520) / LDC (Polar)

Luminaire: Ledil CN14237_WINNIE-M_(CXA2520)

Lamps: 1 x CREE_CXA2520_(2520-7A-N4-N0U)_902.096lm@250mA_CCT=3000K_P=8.56W_I=0.25A



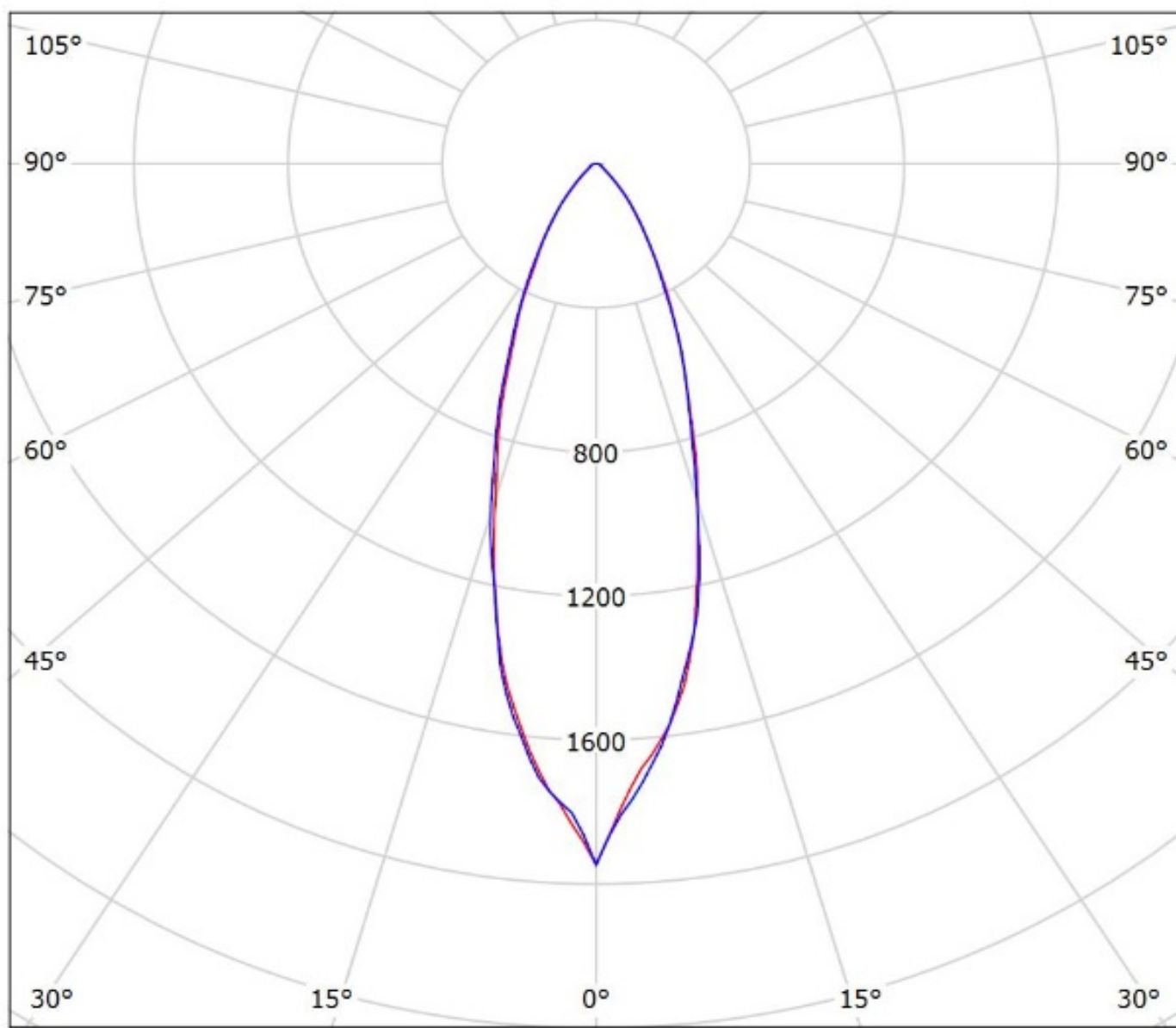
cd/klm

— C0 - C180

— C90 - C270

$\eta = 85\%$

Luminaire: Ledil Oy CN14237_WINNIE-M_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)

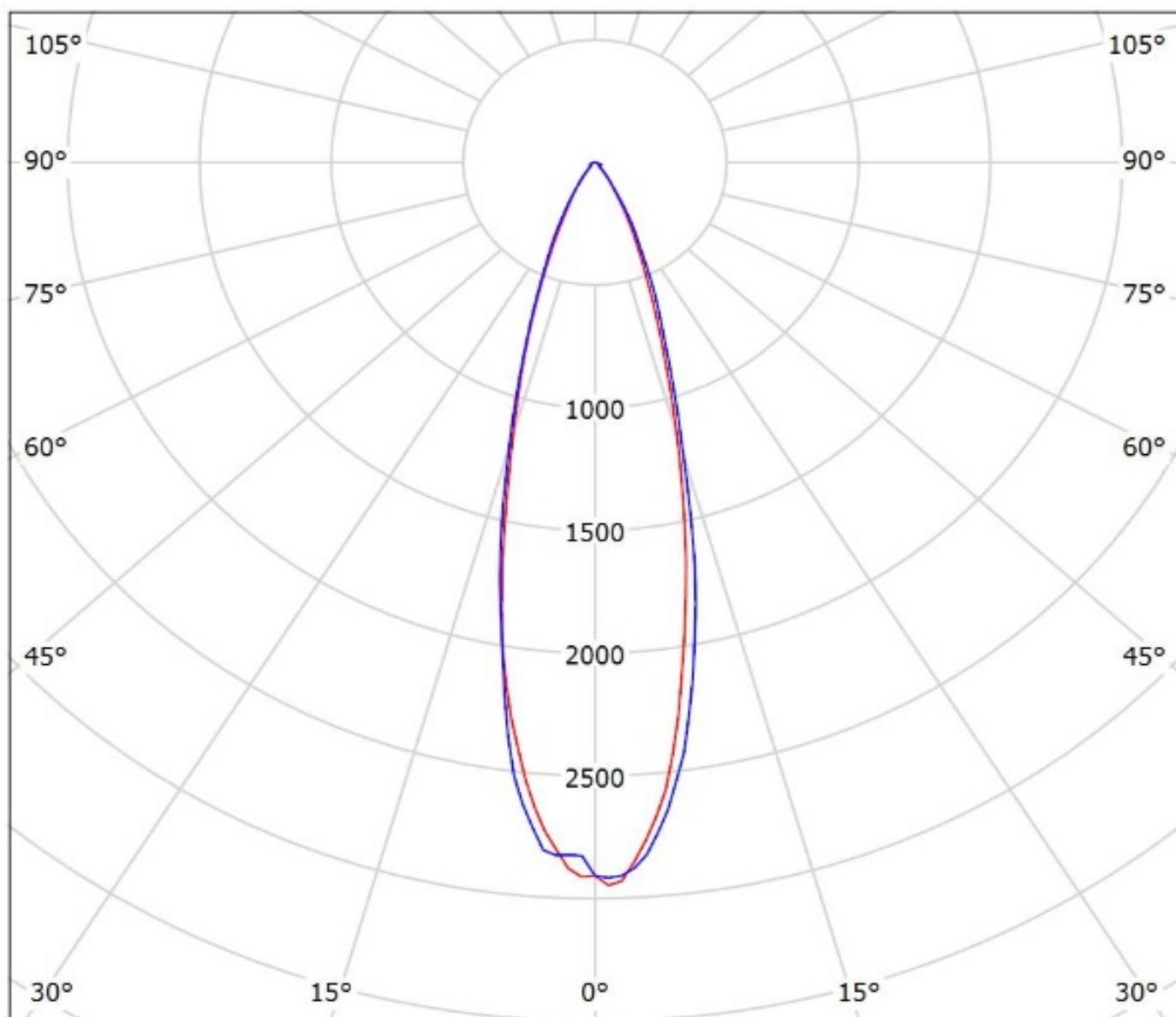


cd/klm

— C0 - C180 — C90 - C270

$\eta = 90\%$

Luminaire: Ledil Oy CN14237_WINNIE-M_(LC010C)_ (479_Type_L5)_SIMULATED
Lamps: 1 x Samsung LC010C + Bender & Wirth 479 Type L5

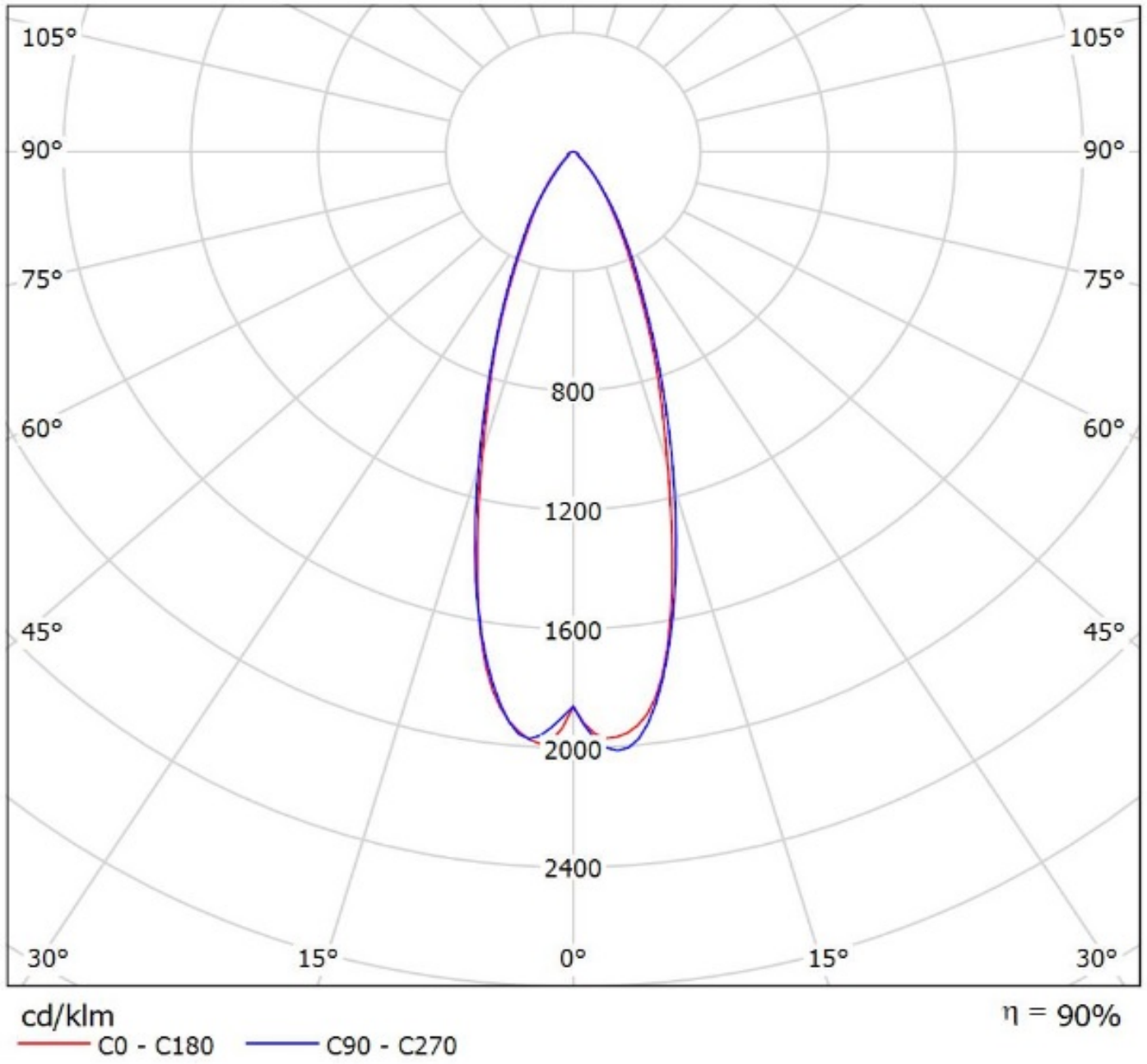


cd/klm

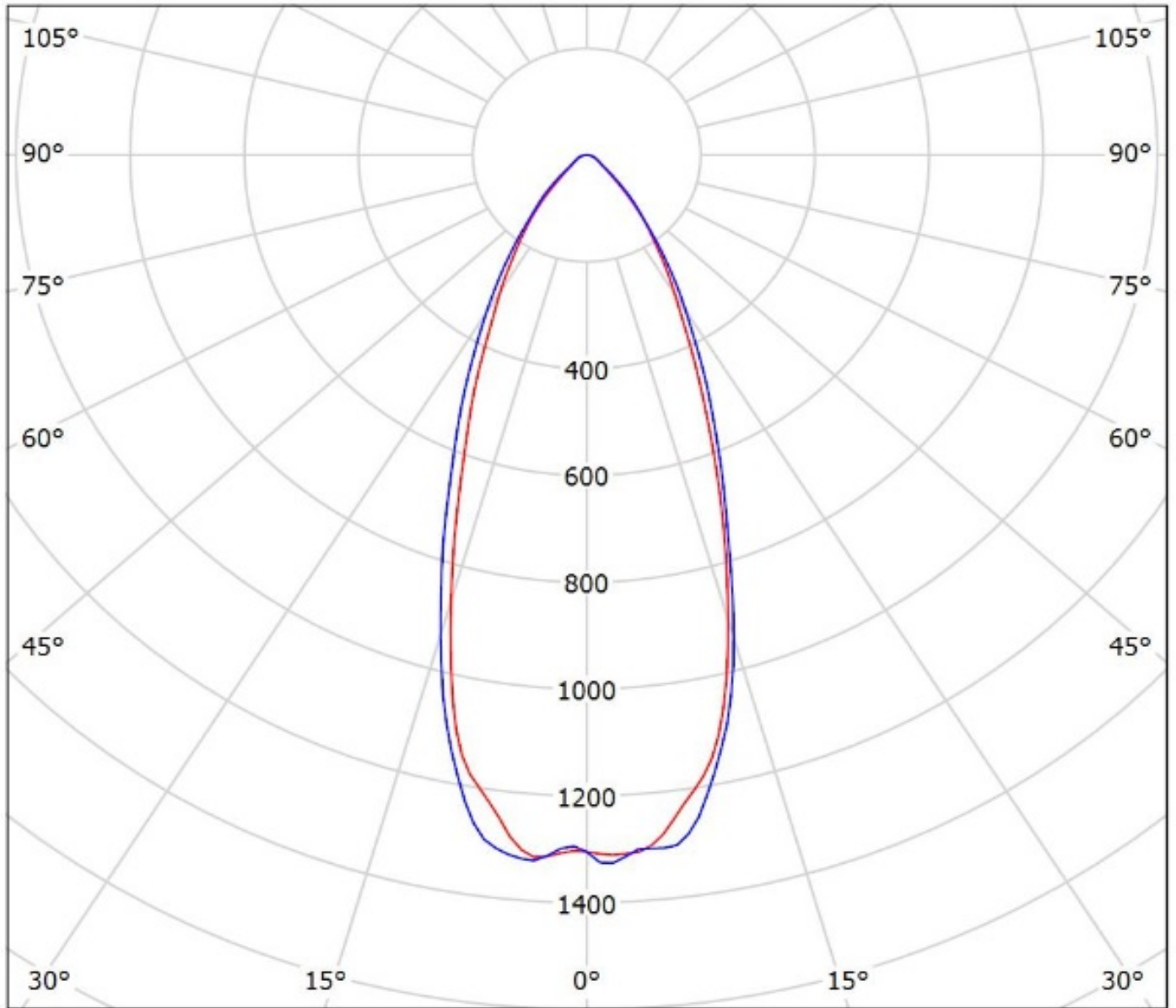
— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: Ledil Oy CN14237_WINNIE-M_(LC020C)_(B+W_479_Typ_L5)_SIMULATED
Lamps: 1 x Samsung LC020C



Luminaire: Ledil Oy CN14237_WINNIE-M_(LC040C)_(B+W_479_Typ_L5)_SIMULATED
Lamps: 1 x Samsung LC040C



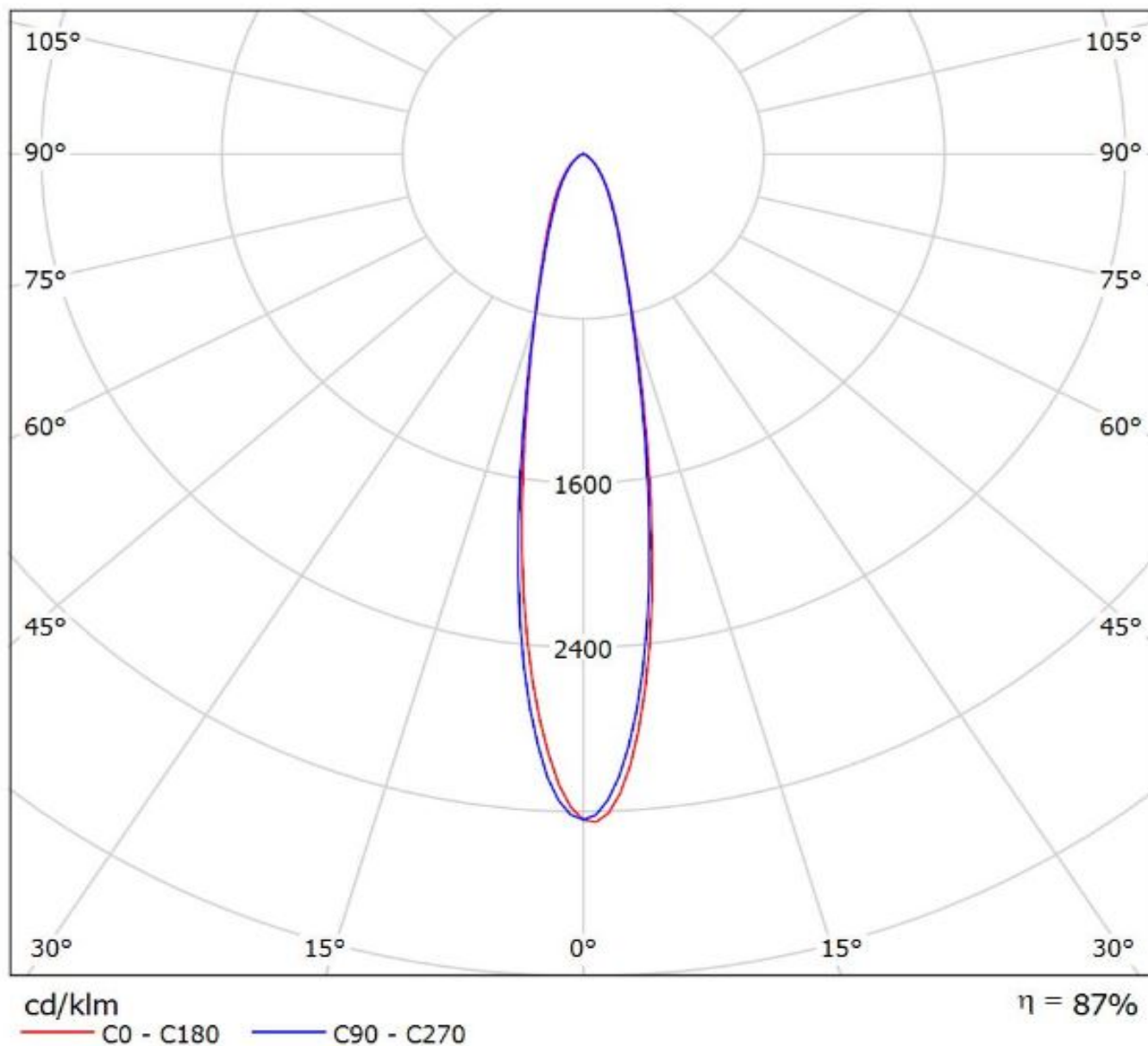
cd/klm

— C0 - C180 — C90 - C270

$\eta = 89\%$

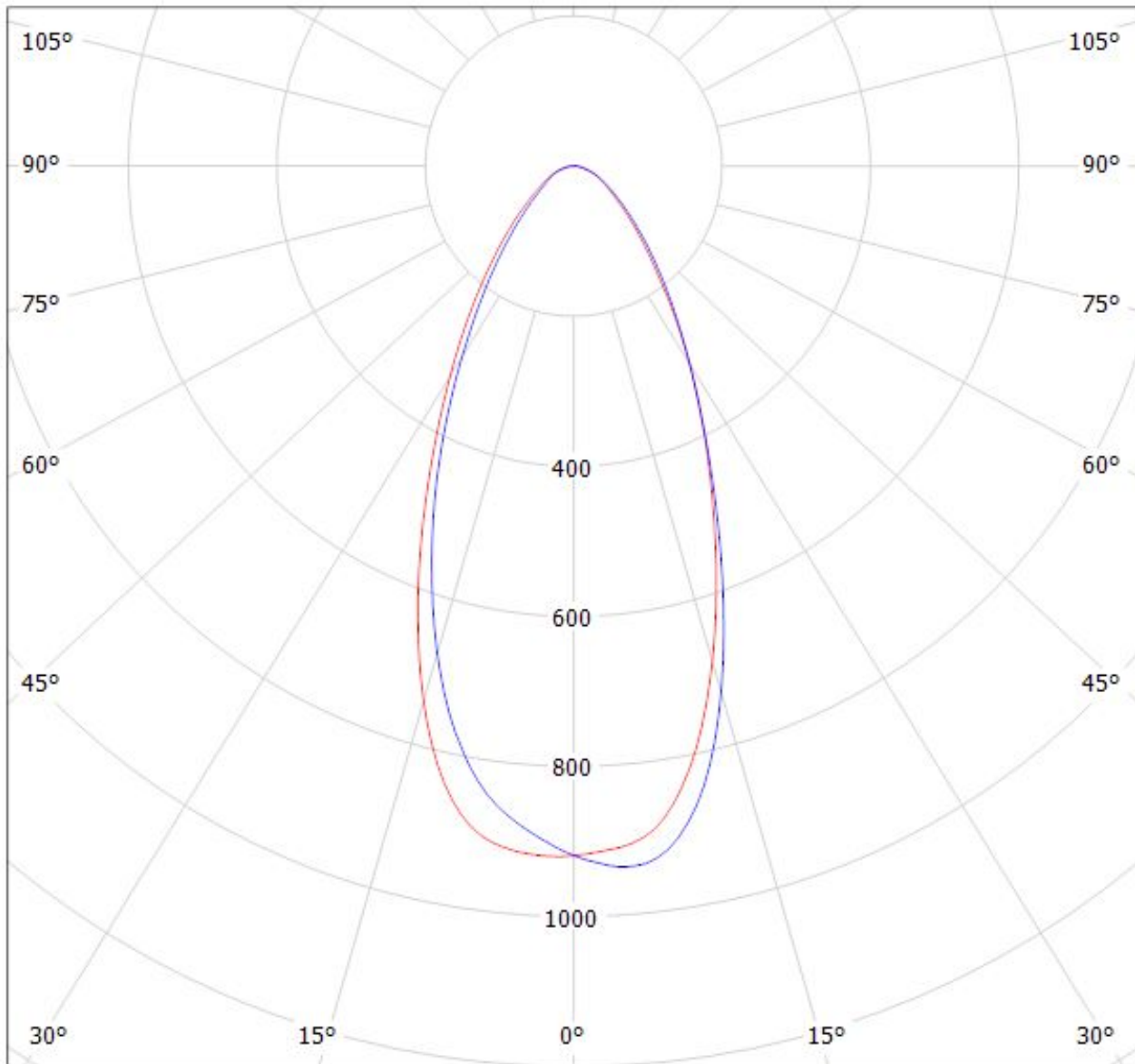
Luminaire: LEDiL Oy CN14236_WINNIE-S_(COB_D_series_LES_9.8mm)

Lamps: 1 x Samsung_COB_D_series_LES_9.8mm_LC013D_551.044lm@100mA_P=3.2212W_I=0.100A



Luminaire: LEDiL Oy CN14237_WINNIE-M_(COB_D_LES-14,5mm)

Lamps: 1 x Samsung_COB_D_Series-LES-14,5_LC026D_1266.67lm@250mA_CCT=3000K_P=8.07778W_I=0.250A



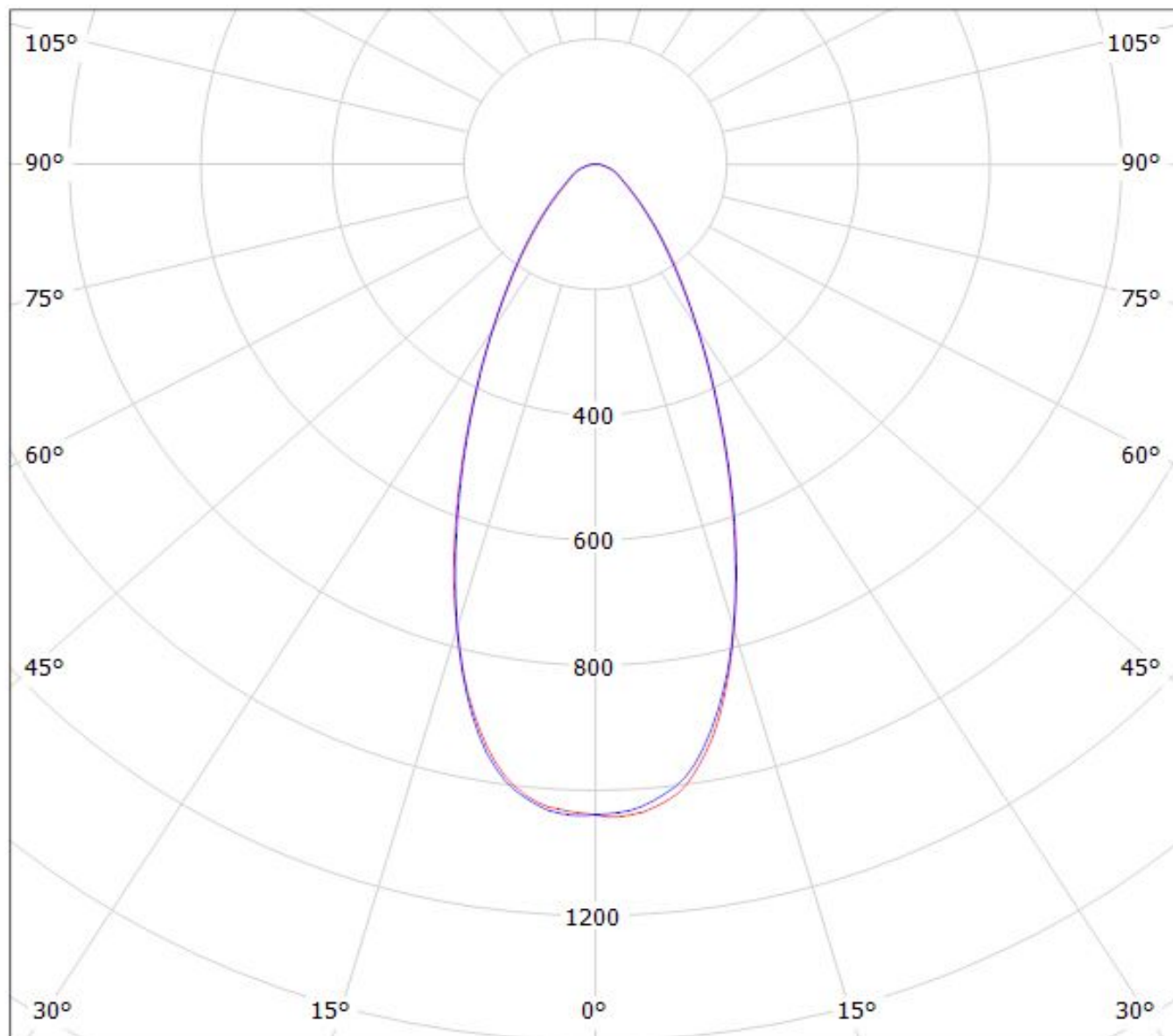
cd/klm

— C0 - C180 — C90 - C270

$\eta = 85\%$

Luminaire: LEDiL Oy CN14237_WINNIE-M_(ZC12)

Lamps: 1 x Seoul_ZC12_(SDW82F1C)_+_B+W_433_Typ_L5_1217.21lm@250mA_P=8.64733W_I=250mA



cd/klm

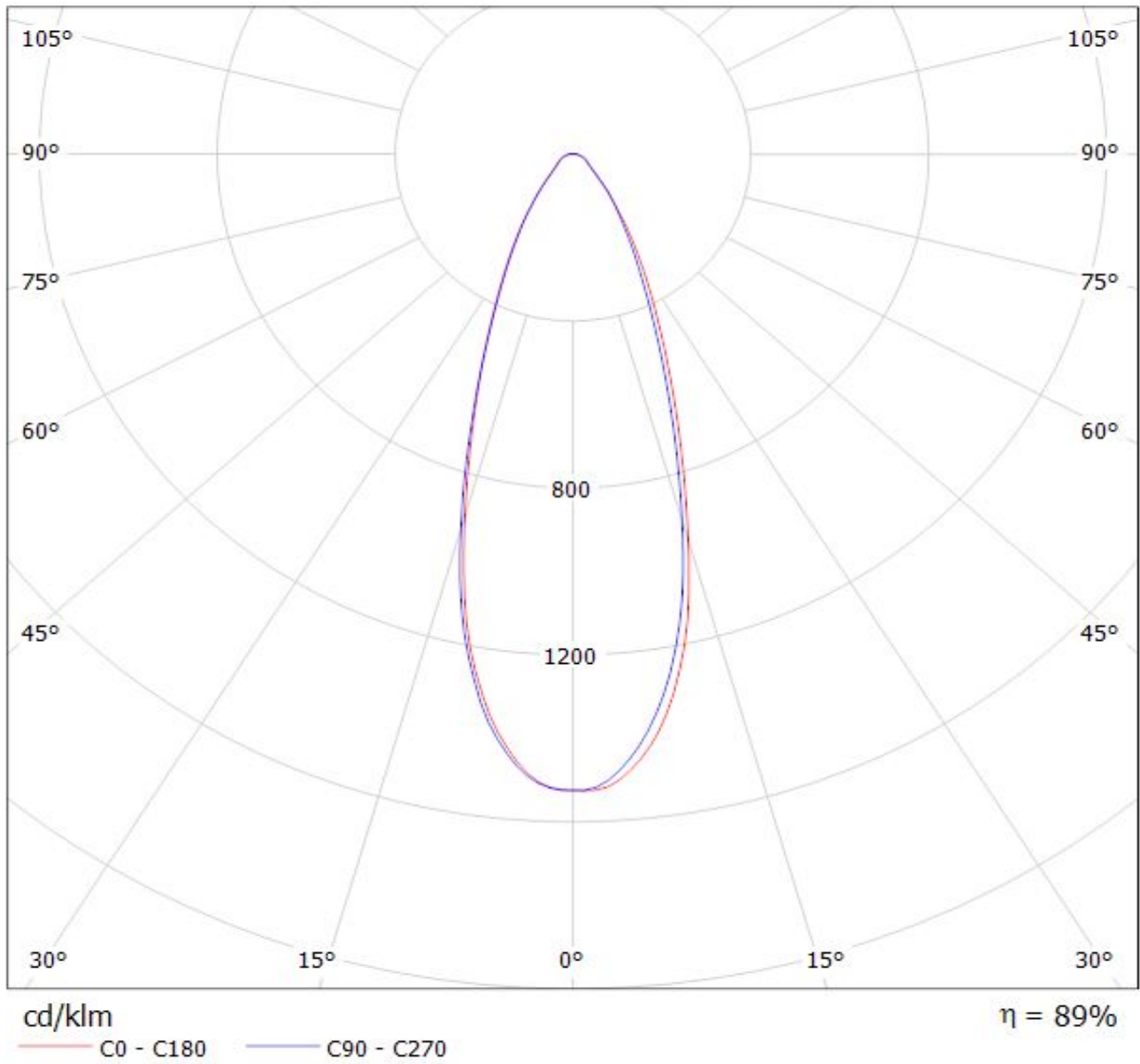
— C0 - C180

— C90 - C270

$\eta = 87\%$

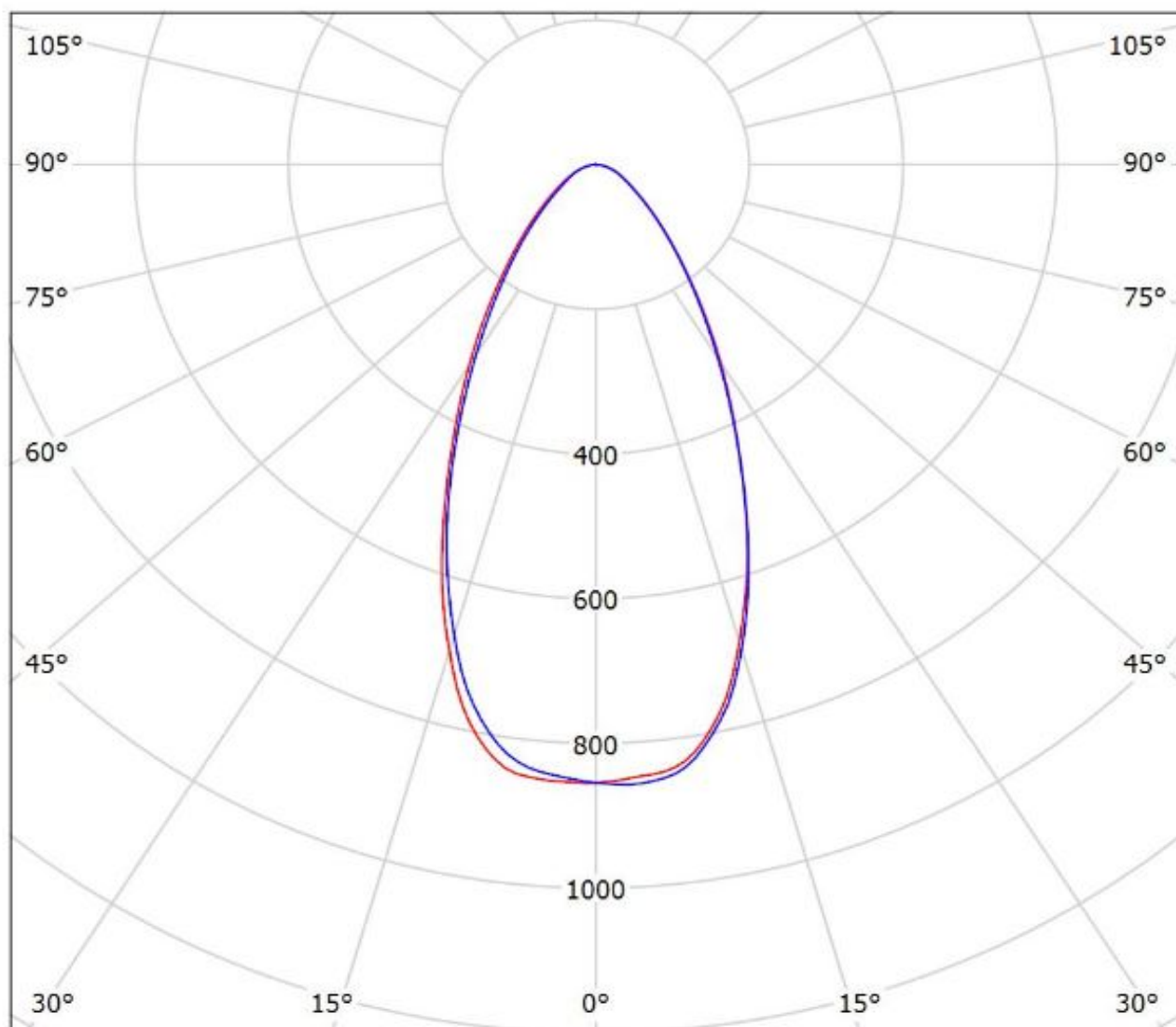
Luminaire: Ledil CN14237_WINNIE-M_(MJT_12W_Les9,8)

Lamps: 1 x Seoul_MJT_12W_Les9.8mm_(SAWx1063A)_1271.35lm@250mA_P=8.45475W_I=0.25A



Luminaire: Ledil CN14237_WINNIE-M_(MJT_30W_Les14,5)_+433_Typ_L5

Lamps: 1 x Seoul_MJT_30W_Les14,5mm_(SAWx1566A)_+433_Typ_L5_1352.83lm@250mA_P=8.2325W_I=0.25A



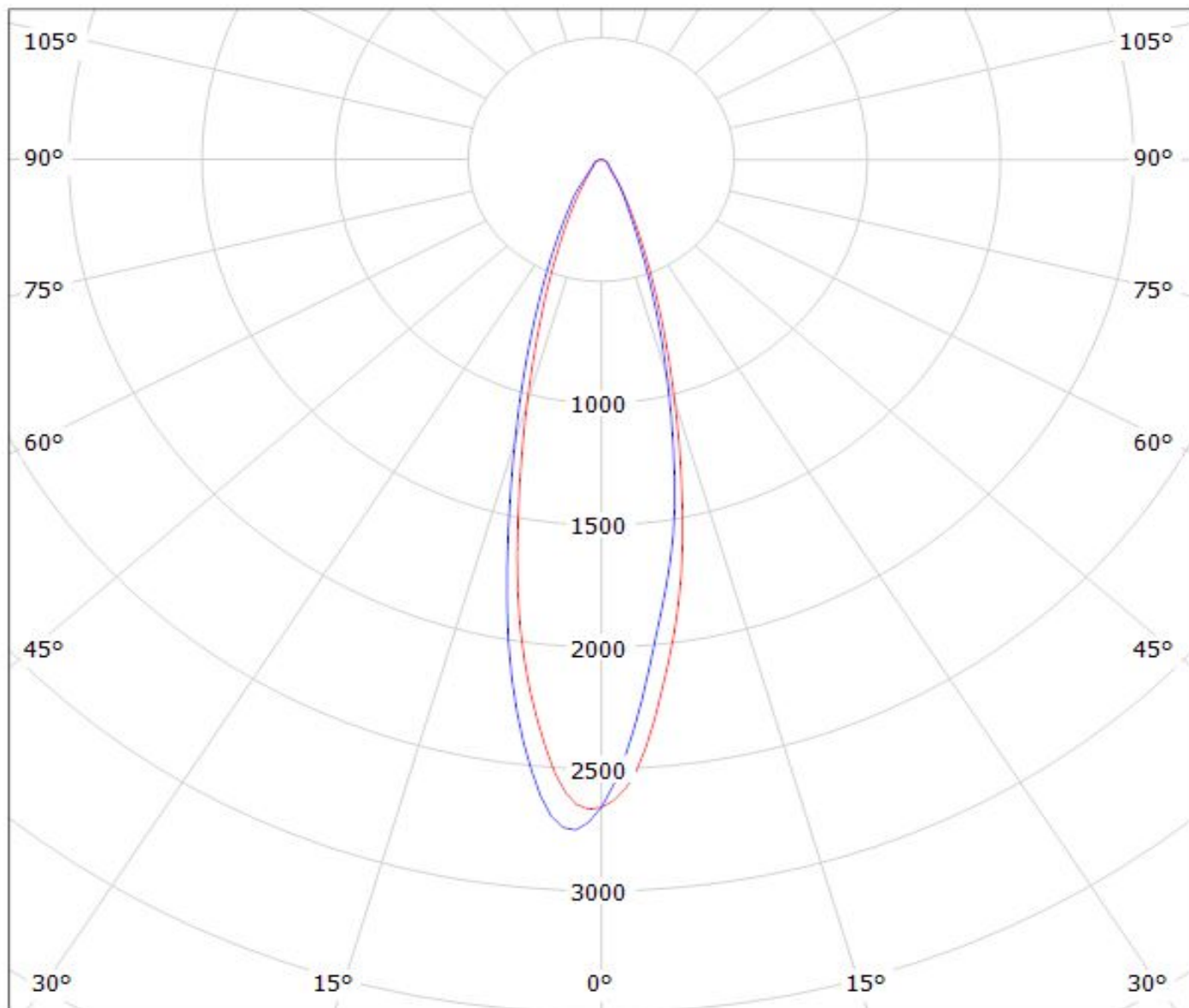
cd/klm

— C0 - C180 — C90 - C270

$\eta = 84\%$

Luminaire: LEDiL Oy CN14237_WINNIE-M_(SLE-G5_LES-6)

Lamps: 1 x Tridonic_SLE-G5_LES-6_472.41lm@100mA_P=3.3763W_I=0.100A



cd/klm

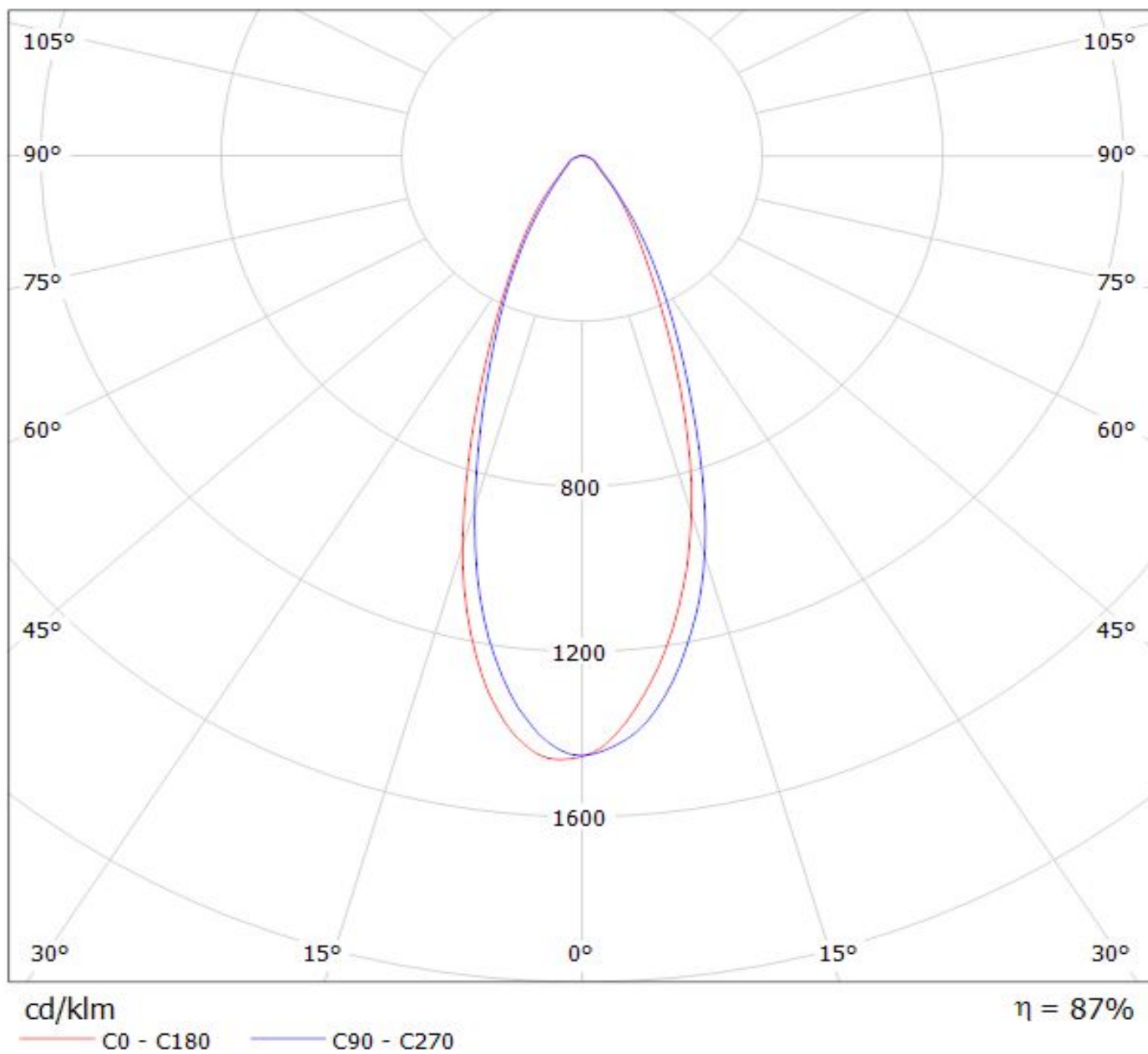
— C0 - C180

— C90 - C270

$\eta = 86\%$

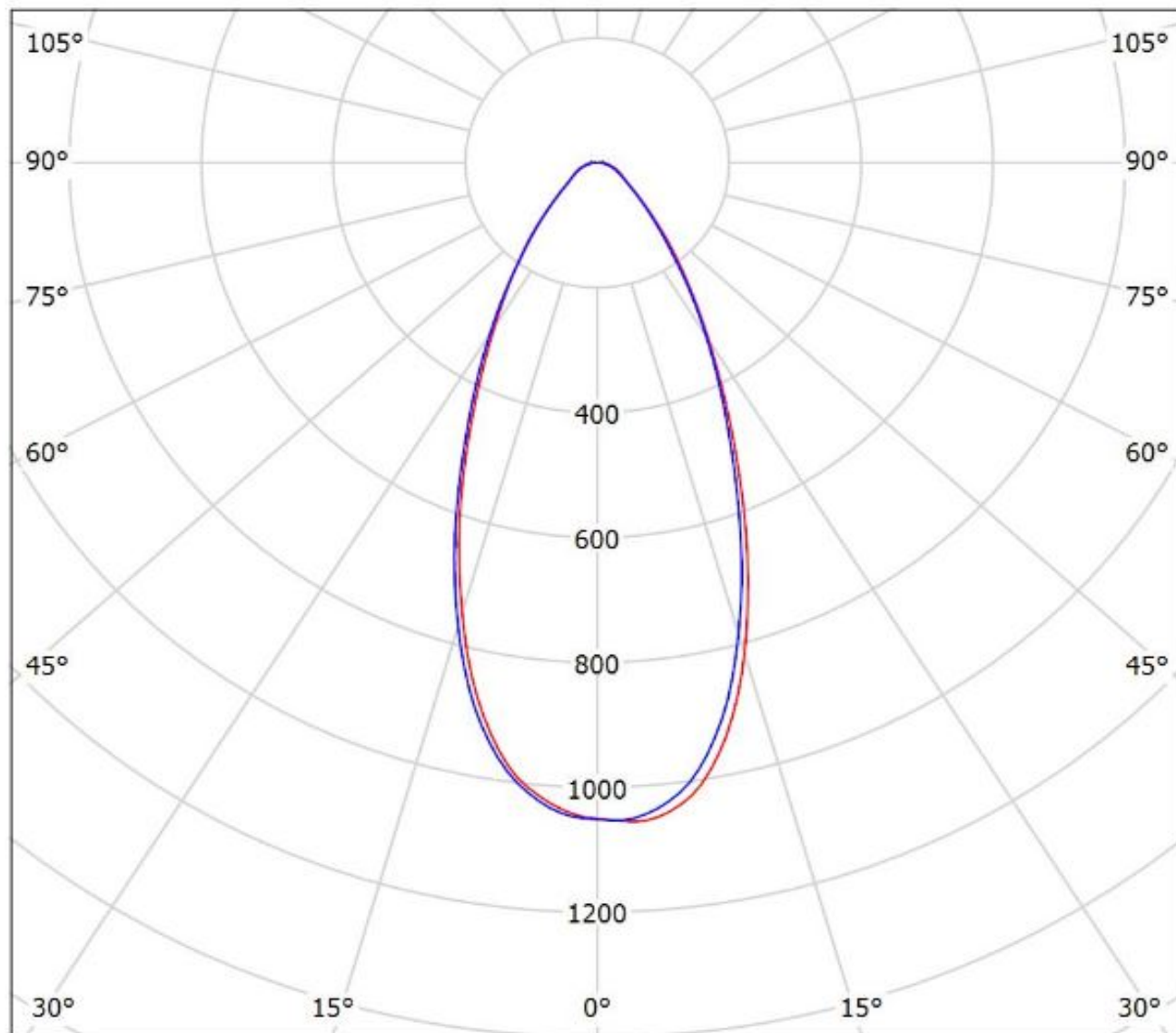
Luminaire: LEDiL Oy CN14237_WINNIE-M_(SLE-G5_LES-11)

Lamps: 1 x Tridonic_SLE-G5_LES-15_1138.42lm@250mA_P=8.4110W_I=0.250A



Luminaire: LEDiL Oy CN14237_WINNIE-M_(SLE-G5_LES-15)

Lamps: 1 x Tridonic_SLE-G5_LES-15_1267.45lm@250mA_P=8.6695W_I=0.250A



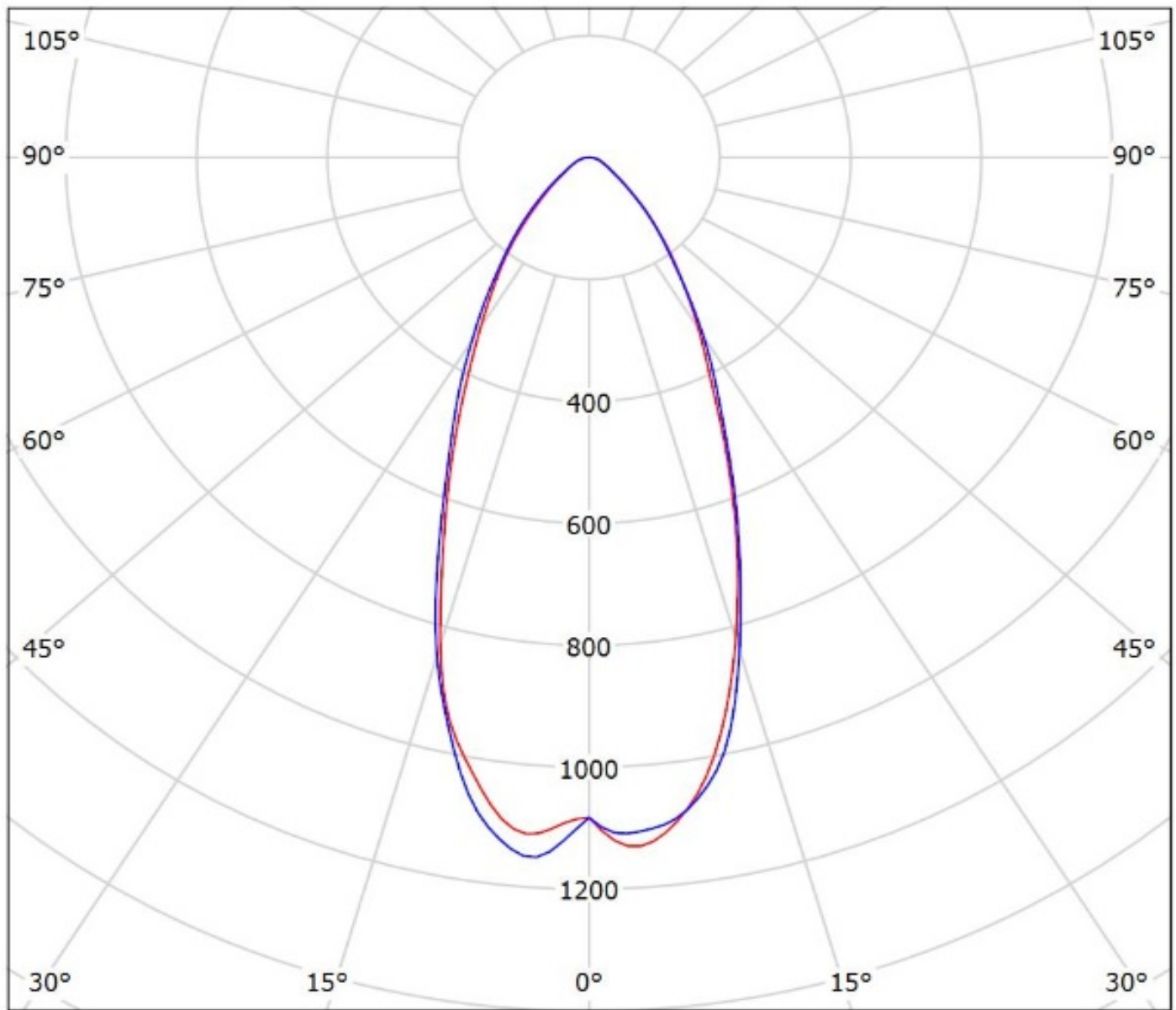
cd/klm

— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: Ledil Oy CN14237_WINNIE-M_(SLE_G6_LES15)_(433_Typ_L5)_SIMULATED
Lamps: 1 x Tridonic SLE G5 LES15 + Bender & Wirth 433 Typ L5

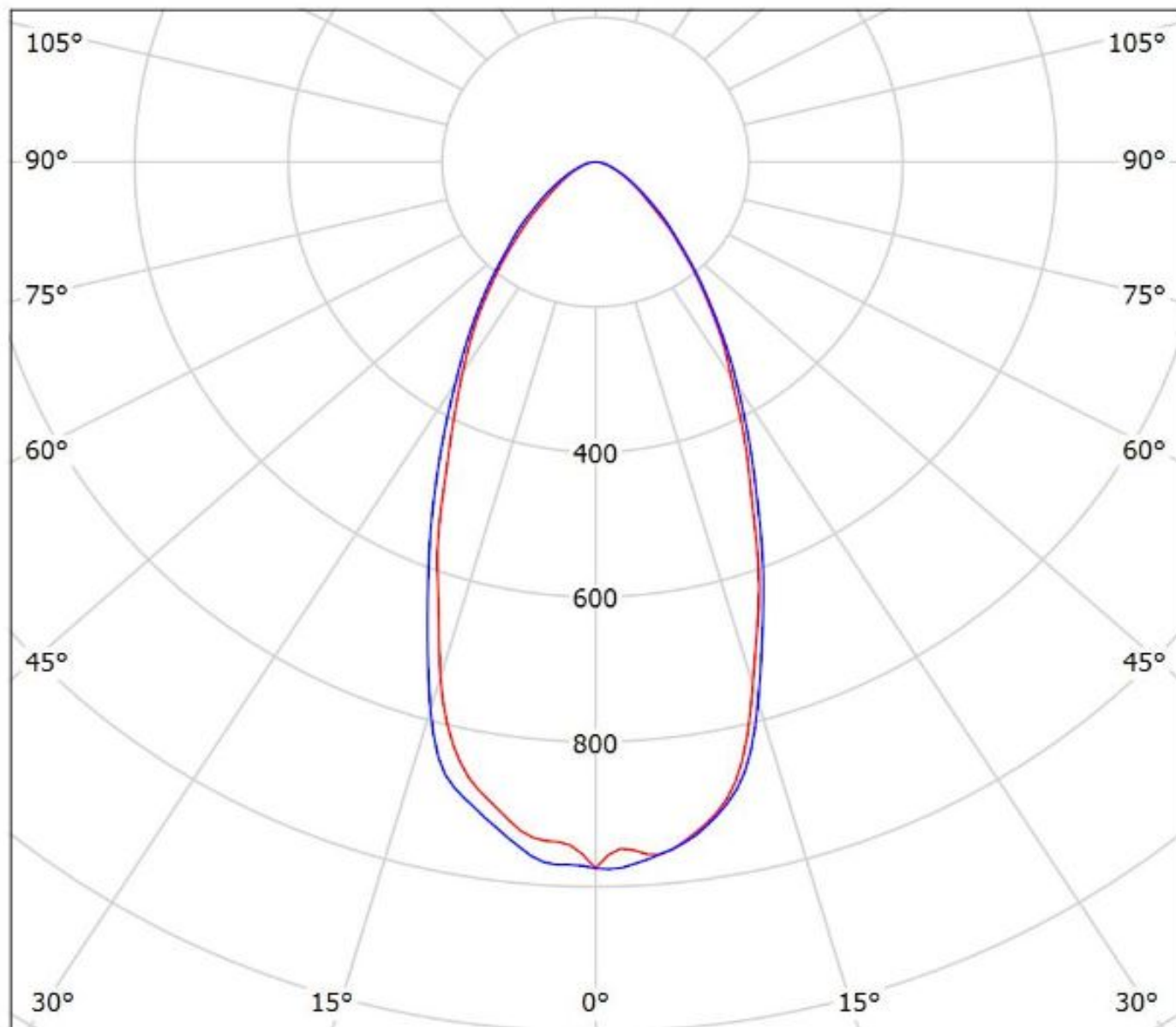


cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: Ledil Oy CN14237_WINNIE-M+_B+W_433_Typ_L5_TRIDONIC_SLE_G6_LES17_SIMULATED
Lamps: 1 x TRIDONIC SLE G6 LES17

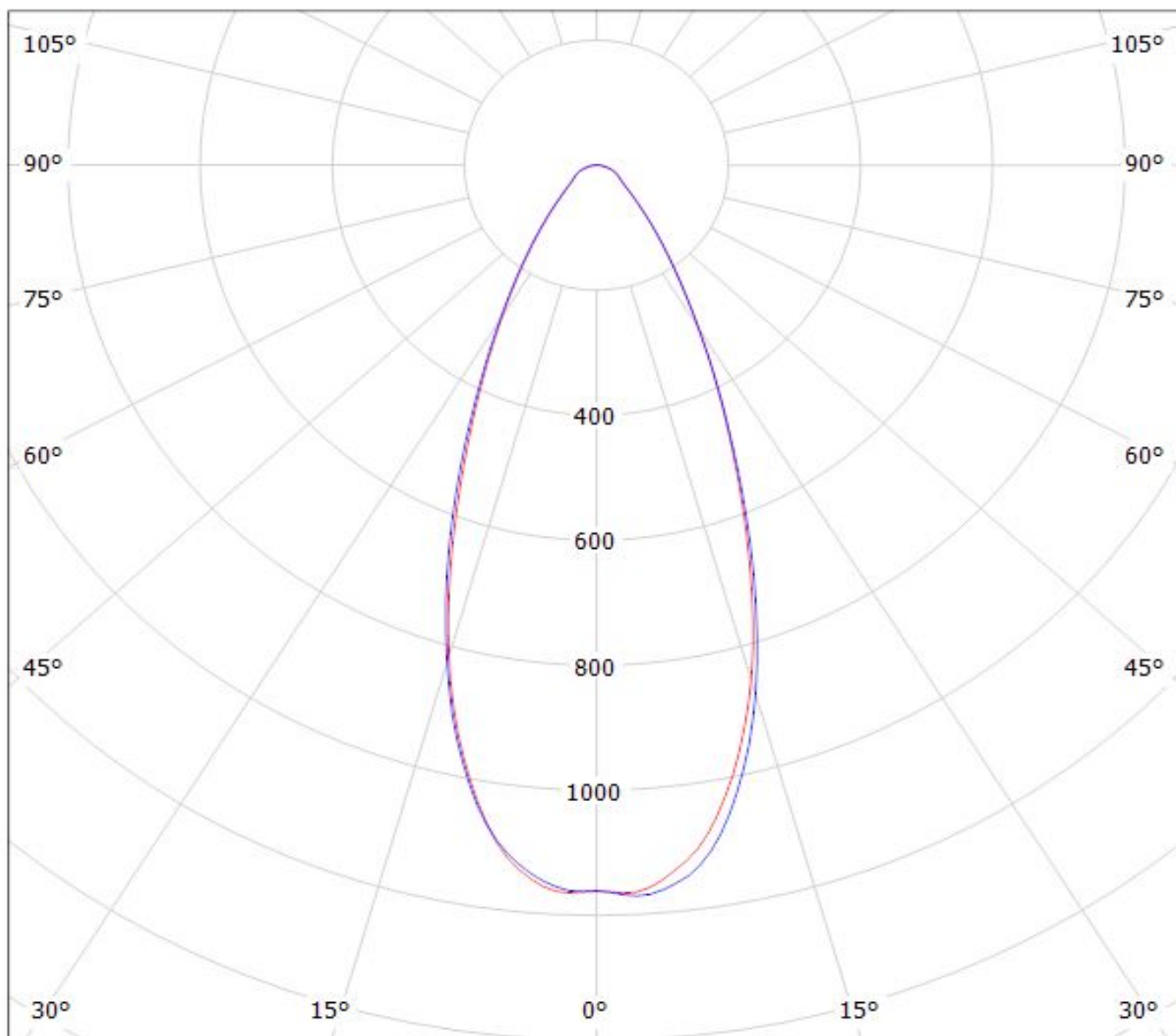


cd/klm
— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy CN14237_WINNIE-M_(DMC125)

Lamps: 1 x DMC125+433_Typ_L5_1101.77lm@250mA_P=8.53017W_I=250mA



cd/klm

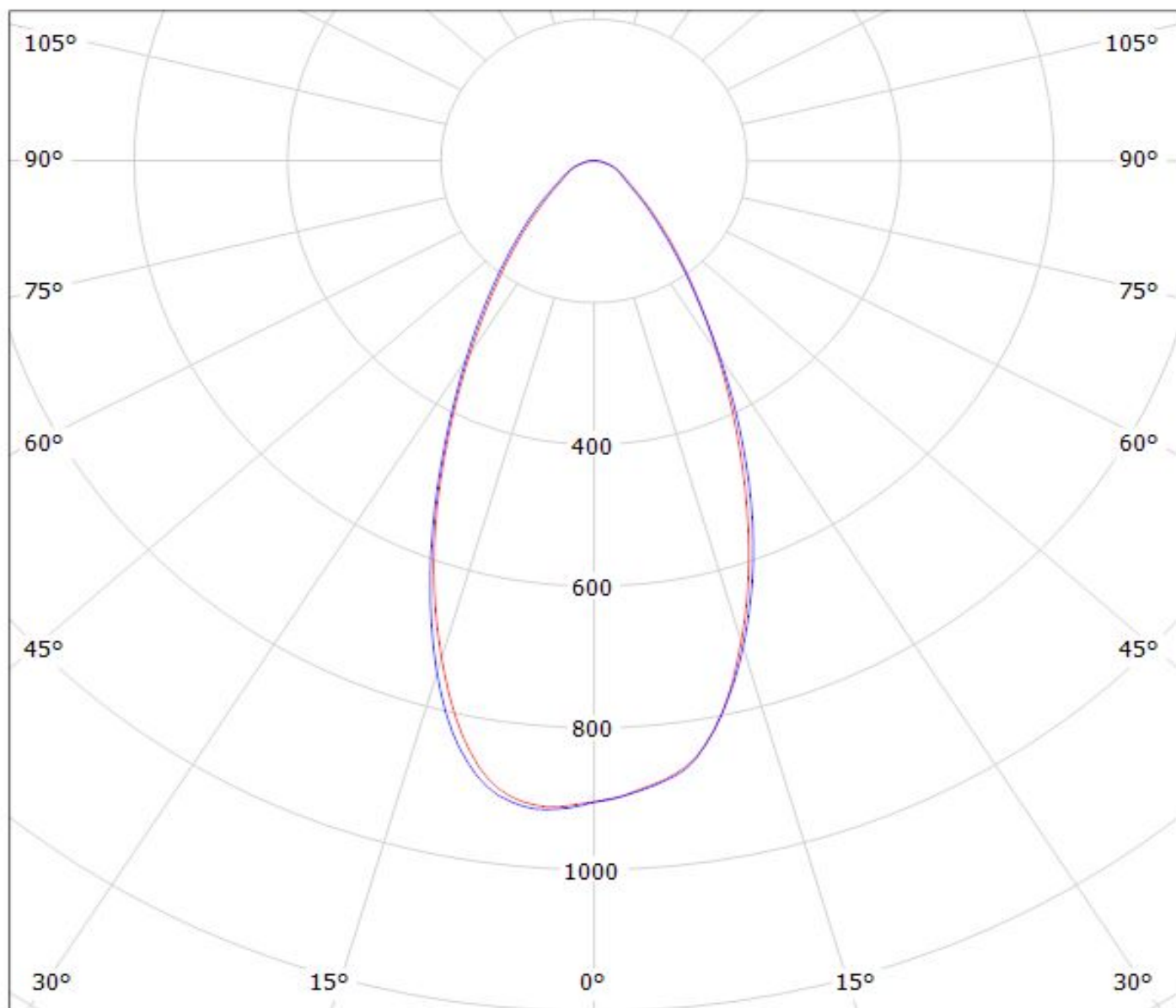
— C0 - C180

— C90 - C270

$\eta = 88\%$

Luminaire: LEDiL Oy CN14237_WINNIE-M_(DMC128)

Lamps: 1 x DMC128+433_TYP_L5_825.549lm@250mA_P=8.28162W_I=250mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 87\%$

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.