PRODUCT DATASHEET
Heidi series
last update 13/6/2016

DETAILS

Product Number	CA12079_HEIDI-W2
Family	Heidi
Type	Assembly
Color	clear
Diameter	21,6 mm
Height	12 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	tape, pin
Status	production ready
ROHS Comliant	Yes
Date Updated	13/06/2016

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
XP-E	44 deg	W2	81 %	1.130	-
XP-G	44 deg	W2	81 %	1.110	-
XB-D	46 deg	W2	76 %	1.020	-
XP-E2	45 deg	W2	81 %	1.400	-
XP-G2	46 deg	W2	80 %	1.300	-
XB-H	45 deg	W2	80 %	1.200	-
XP-L	44 deg	W2	79 %	1.260	-
XHP35 HD	46 deg	W2	81 %	1.270	-
XHP35 HI	45 deg	W2	82 %	1.400	-
XT-E	42 deg	W2	75 %	1.300	-
XQ-E HI	42 deg	W2	87 %	1.300	-
LUXEON Rebel	49 deg	W2	85 %	0.966	-
LUXEON T	44 deg	W2	83 %	1.300	-
LUXEON TX	44 deg	W2	78 %	1.300	-
LUXEON C	40 deg	W2	71 %	1.360	-
NVSxx19A	48 deg	W2	79 %	0.910	-
NVSxx19B/NVSxx19C	44 deg	W2	77 %	1.200	-
NCSxx19B	45 deg	W2	78 %	1.300	-
NVSW3x9A	42 deg	W2	88 %	1.300	-
Oslon SSL 150	40 deg	W2	81 %	1.210	-
Oslon SSL 80	47 deg	W2	80 %	1.000	-
Oslon Square EC	sim: 48	W2	-	sim: 1.600	-
Fortimo FastFlex LED board 2x8/757 DS 42	42 deg	W2	81 %	1.300	-
LH351Z	46 deg	W2	82 %	1.300	-
Z5	44 deg	W2	76 %	1.240	-

Ledil Oy
Salorankatu 10
24240 SALO, Finland

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FAX: +358-2-733 8001

PRODUCT DATASHEET
Heidi series
last update 13/6/2016

OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
Z5M1/Z5M2	44 deg	W2	83 %	1.320	-
Double Dome (GM2BB)	44 deg	W2	-	-	-

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24240 SALO, Finland

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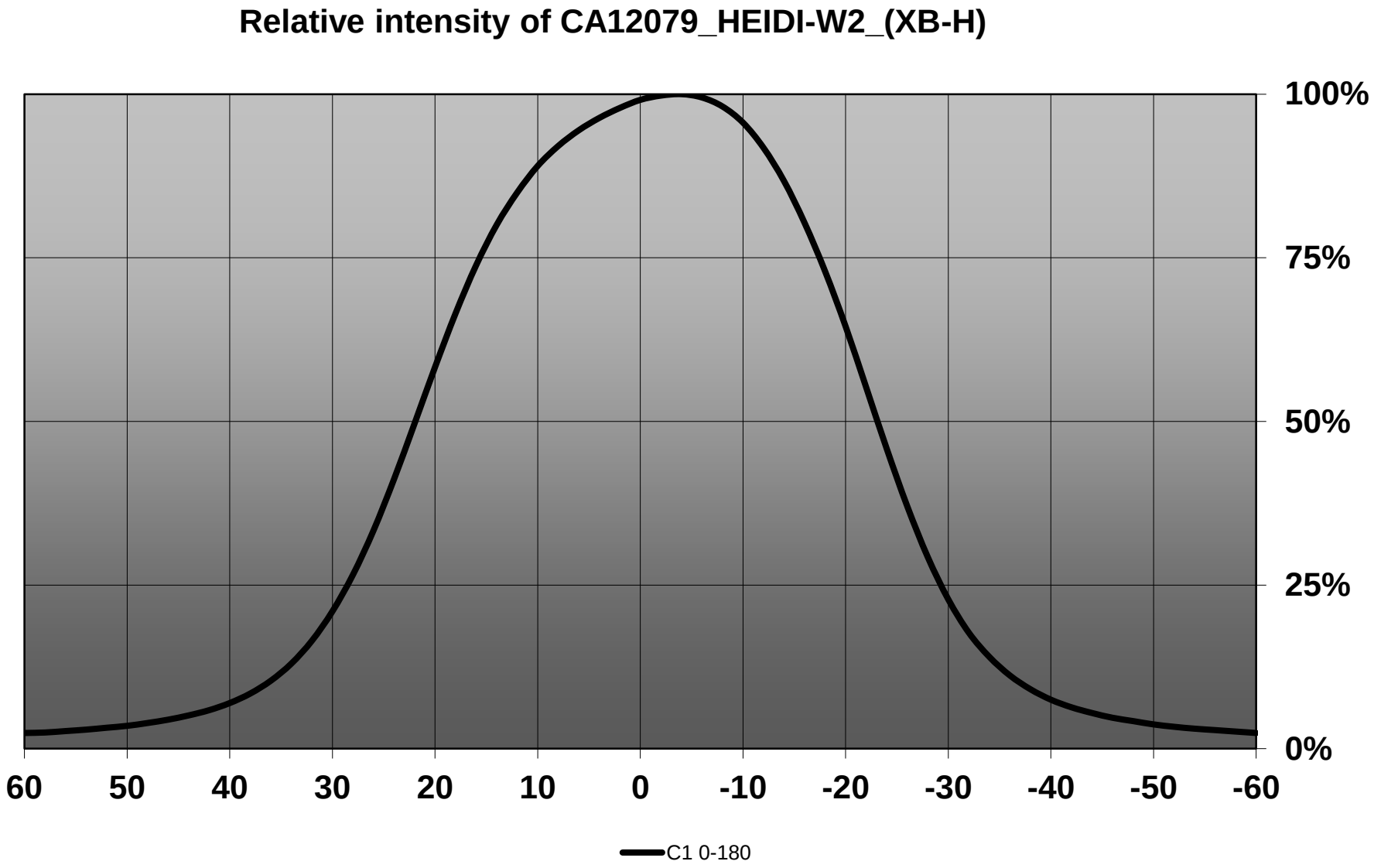
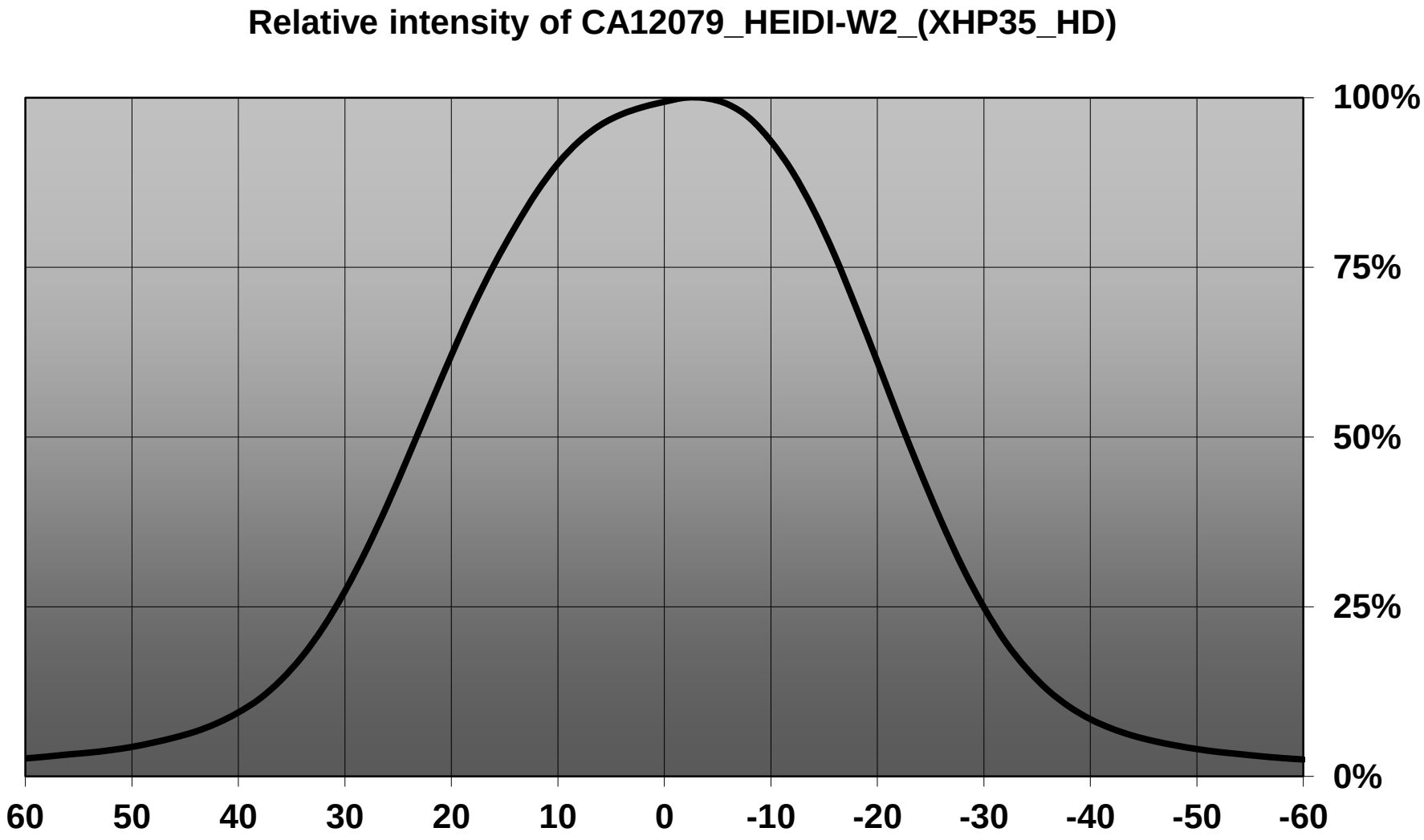
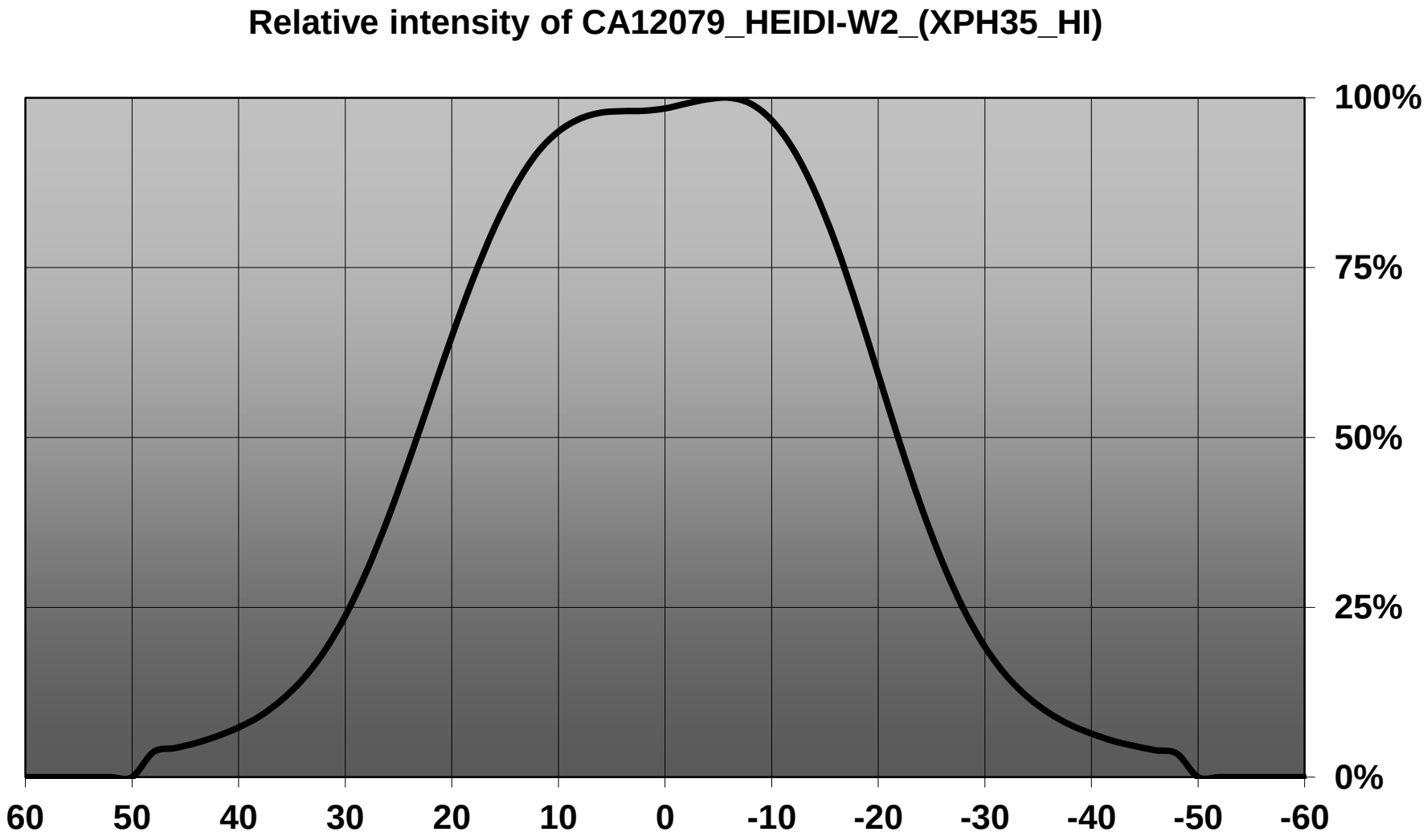
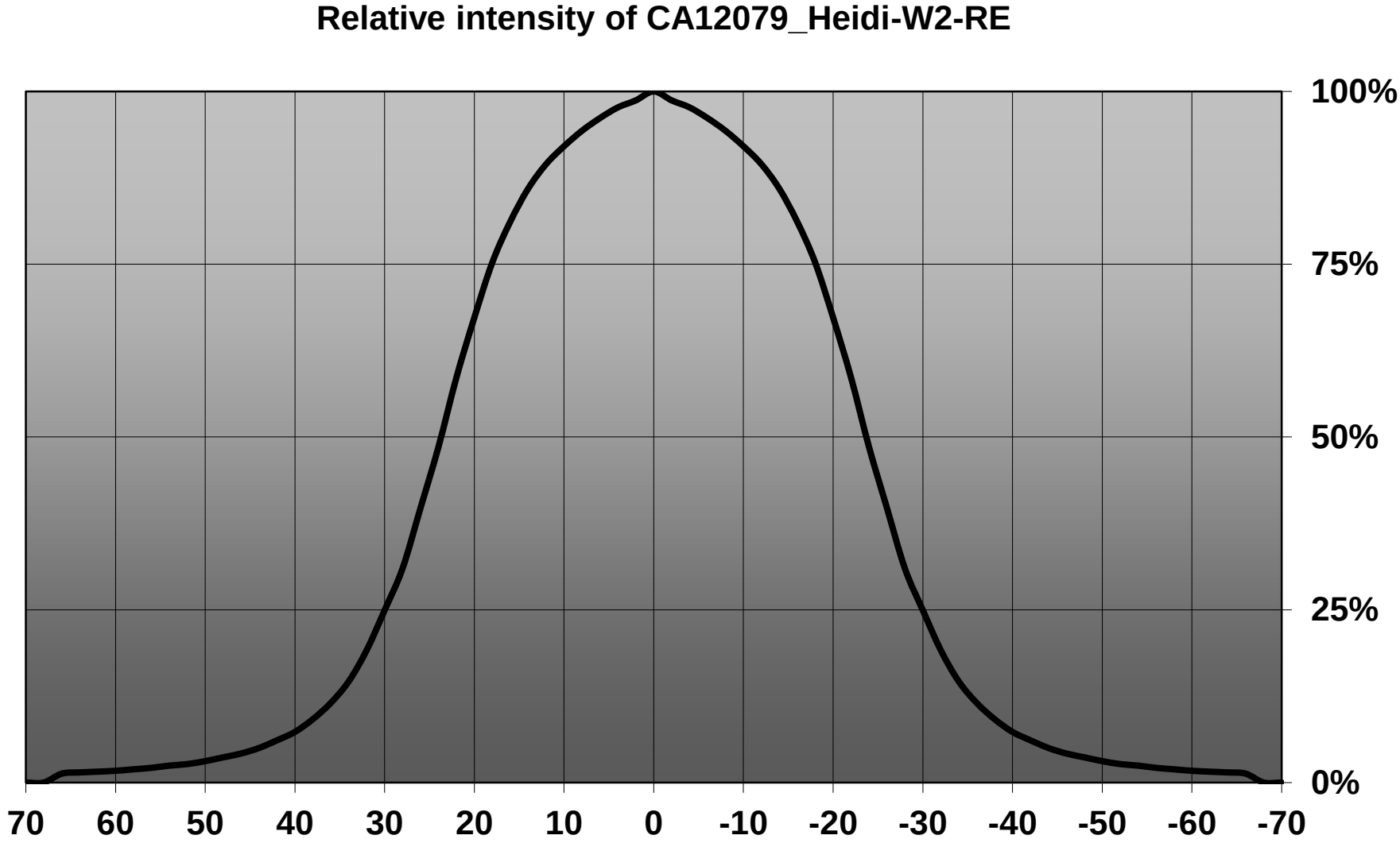
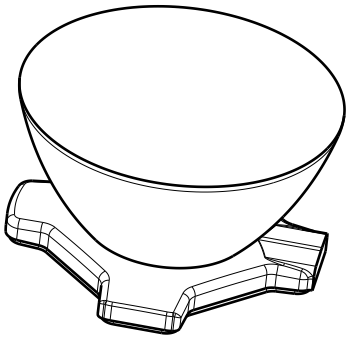

Relative intensity of CA12079_HEIDI-W2_(XB-H)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
C1 0-180

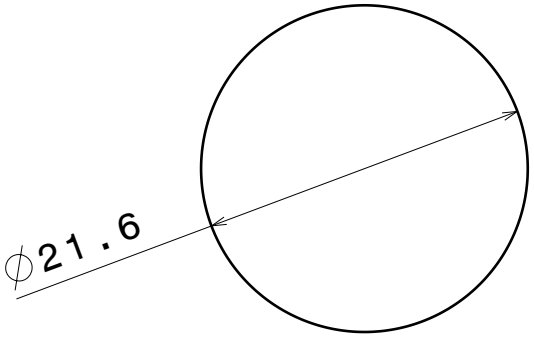

Relative intensity of CA12079_HEIDI-W2_(XHP35_HD)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60


Relative intensity of CA12079_HEIDI-W2_(XPH35_HI)
100%
75%
50%
25%
0%
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60


Relative intensity of CA12079_Heidi-W2-RE
100%
75%
50%
25%
0%
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70

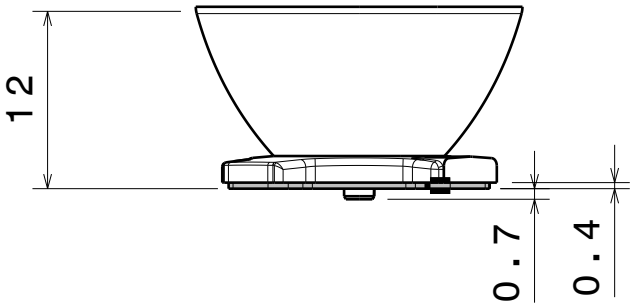


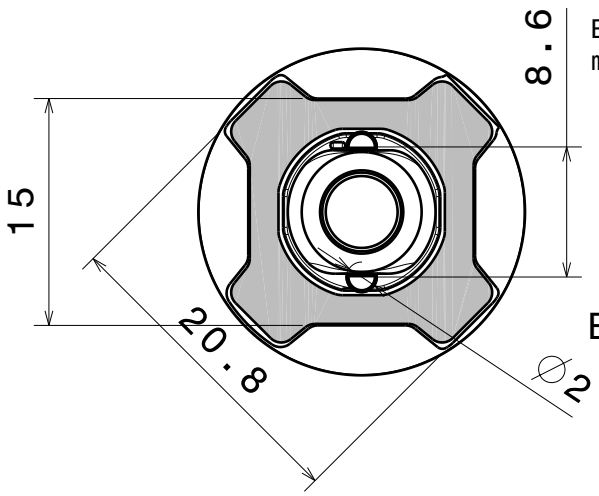
Isometric view



Top view

Front view





Bottom view

Material:
Lens PMMA
Tape PU Foam

Part no.s:
CA11264_Heidi-D
CA11265_Heidi-M
CA11266_Heidi-O
CA11267_Heidi-O-90

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:

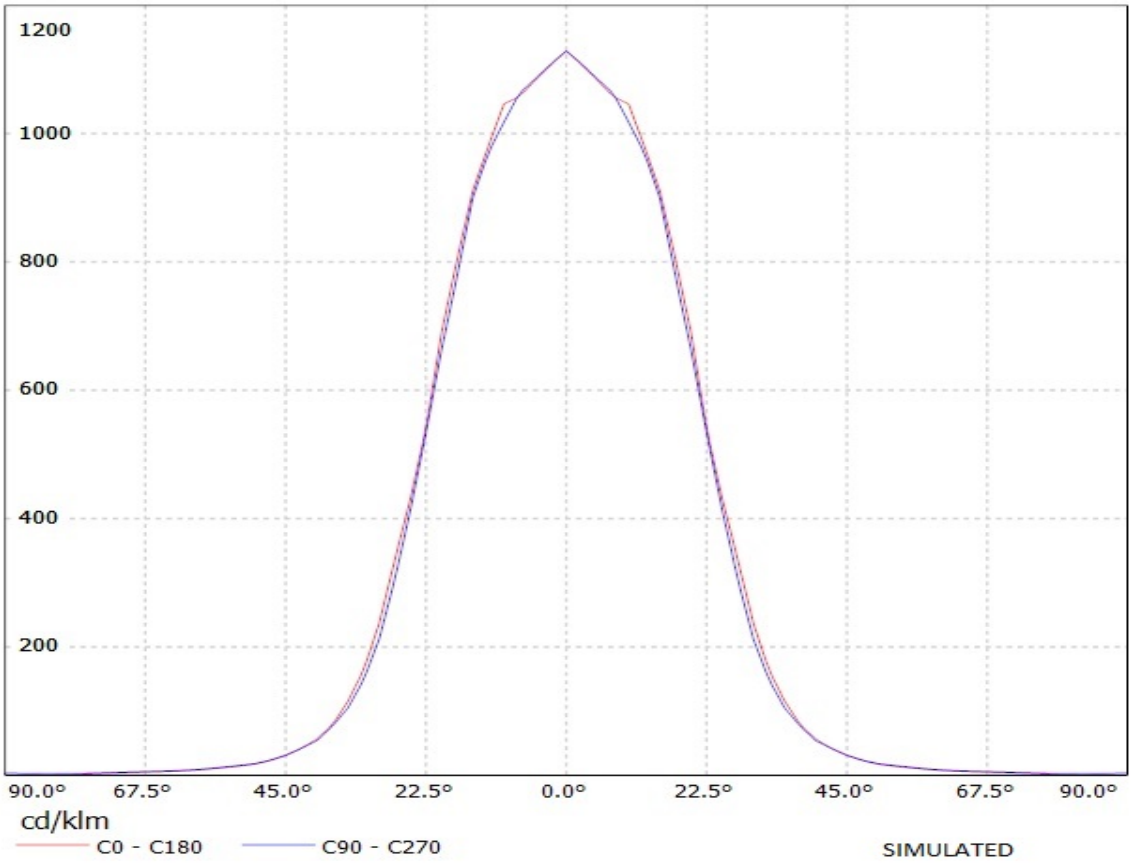
DRAWING TITLE

Datasheet_Heidi-W2

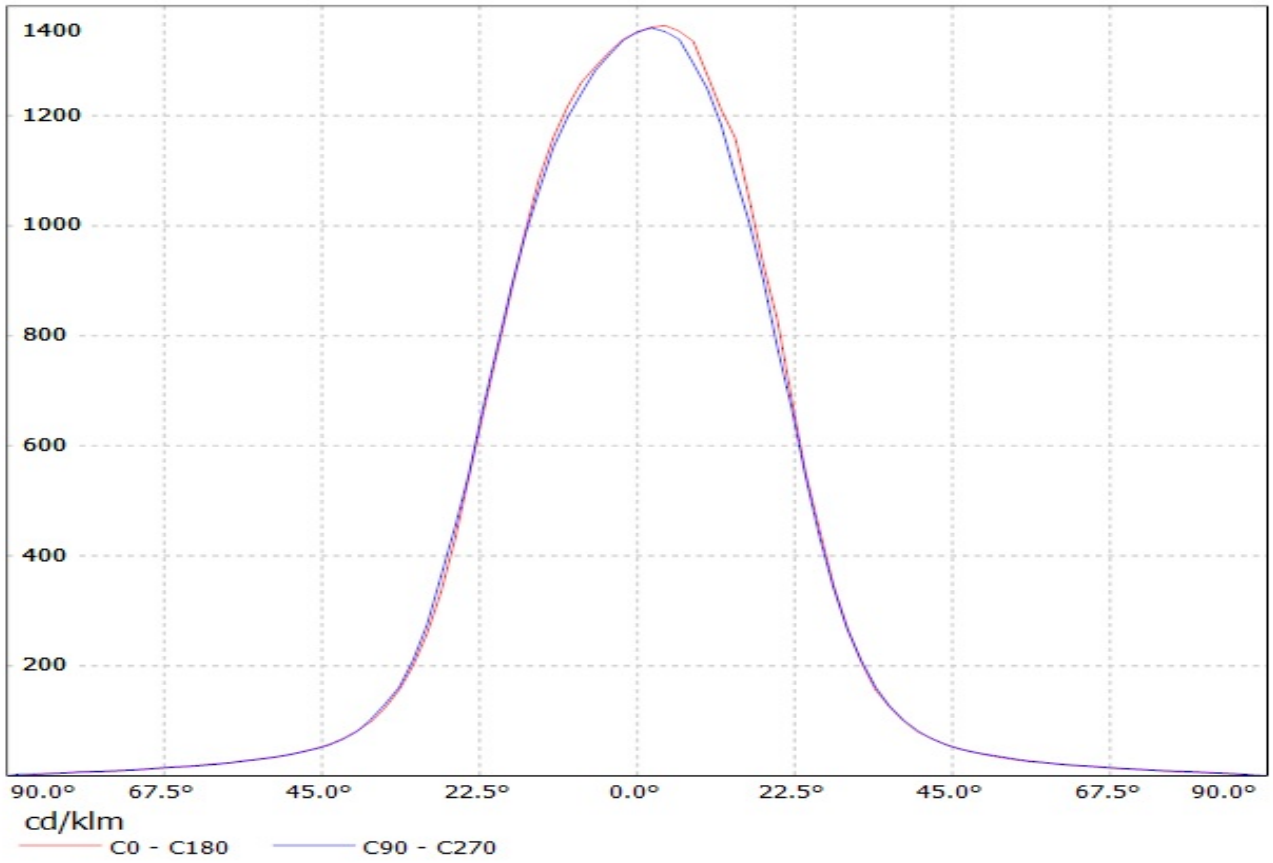
SIZE	PART NUMBER
A4	

SCALE	WEIGHT		SHEET
1:1	(g)		1/1

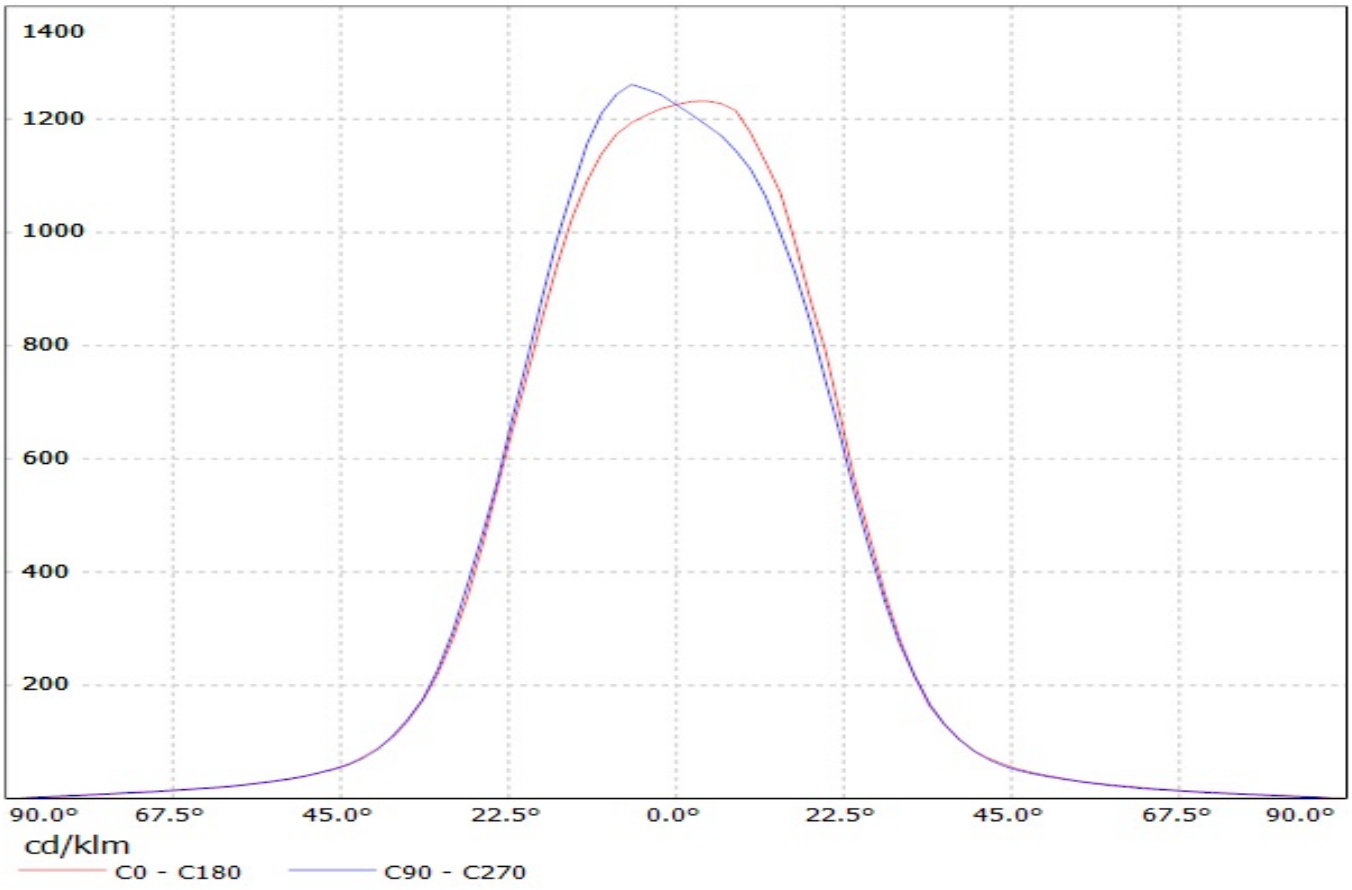
Luminaire: Ledil Oy CA12079_Heidi-W2-XP LOR= 81%
Lamps: 1 x Cree XP-E 72lm 250mA



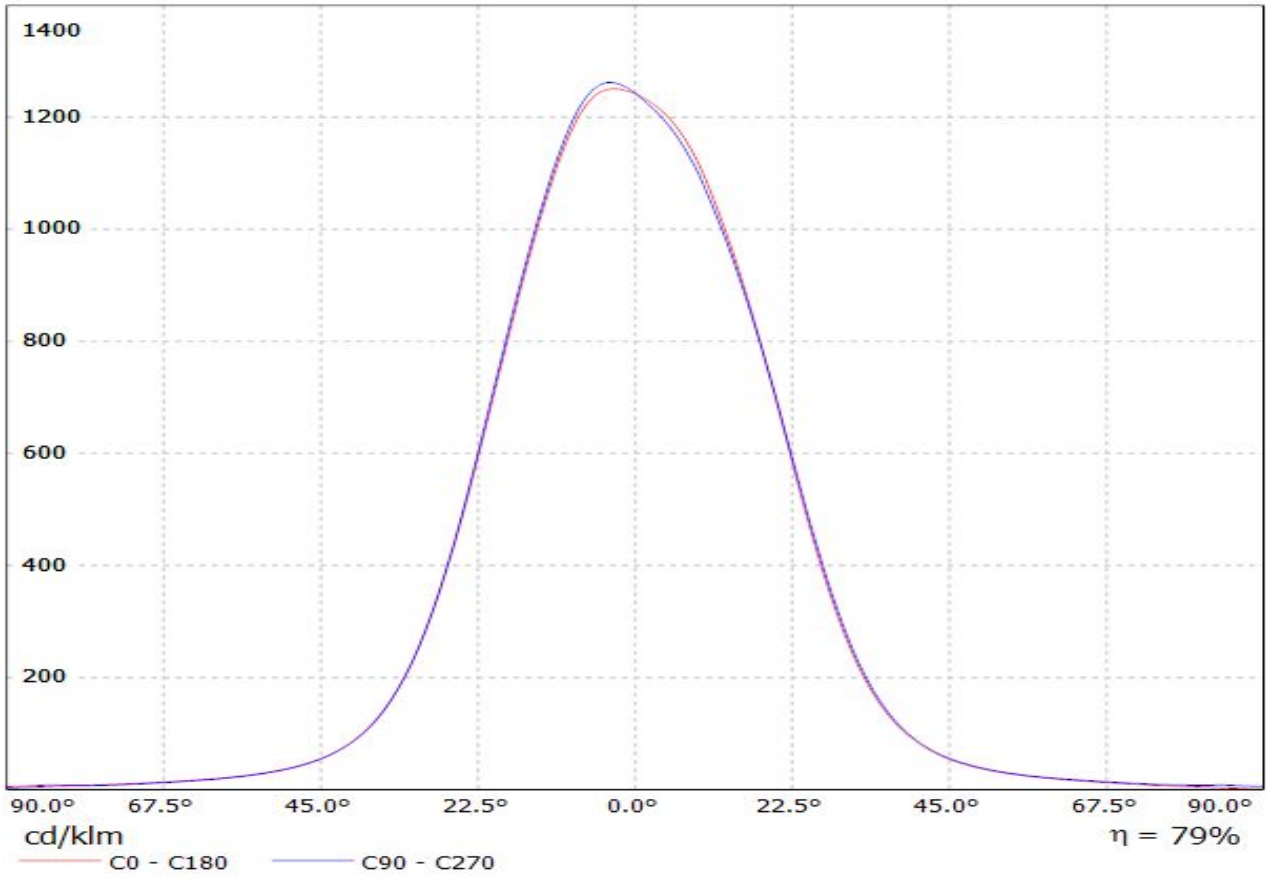
Luminaire: Ledil Oy CA12079 HEIDI-W2_(XP-E2) Efficiency=81%
Lamps: 1 x Cree XP-E2 (92lm @ 250mA) CCT=5500K P=0.8W I=250mA



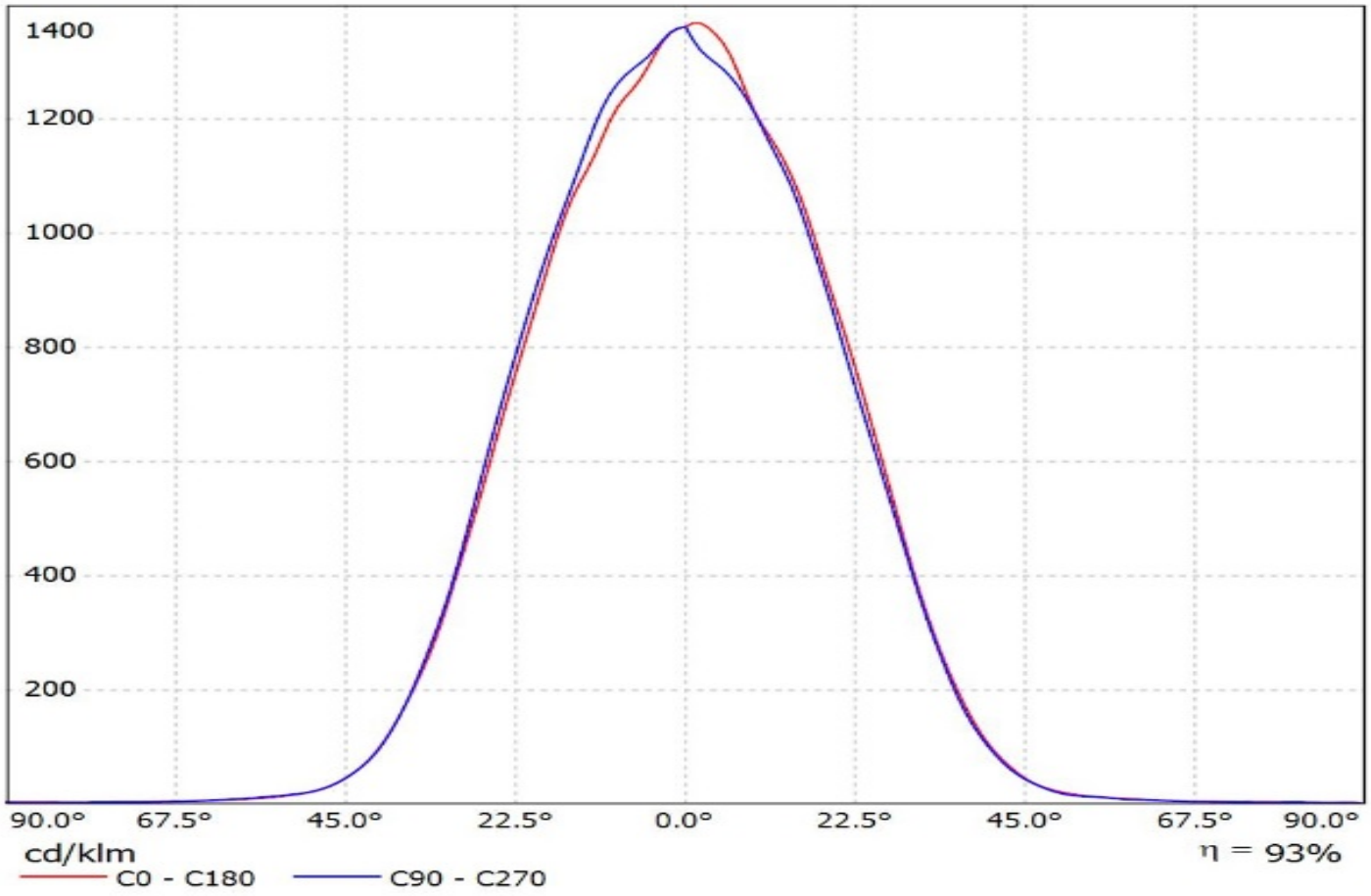
Luminaire: LEDil Oy CA12079_HEIDI-W2_(XP-G2) Efficiency=80%
Lamps: 1 x Cree XP-G2 (103lm @ 250mA) CCT=6600K P=0.7W I=250mA



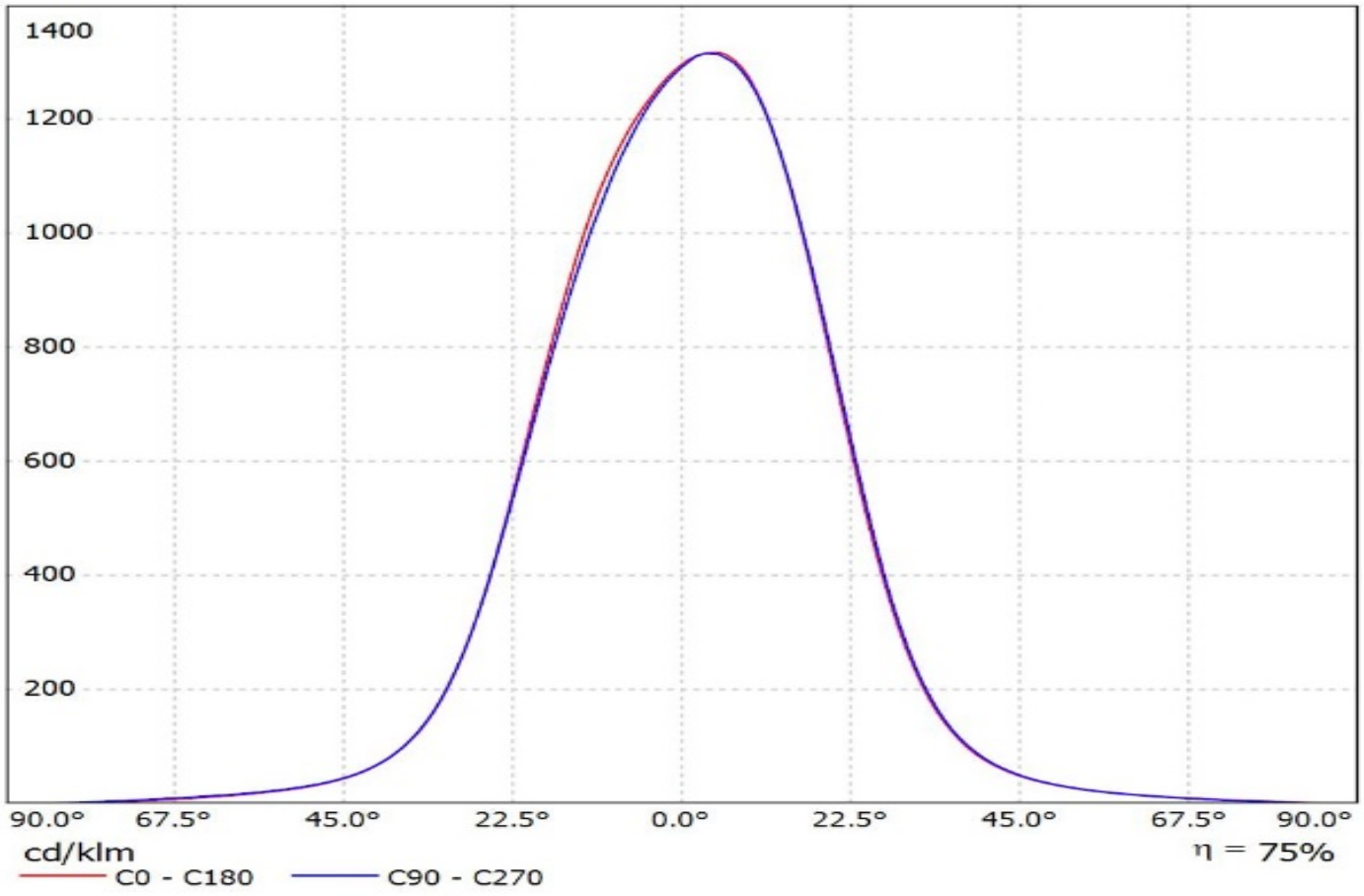
Luminaire: LEDiL Oy CA12079_HEIDI-W2_(XP-L) Eff.79.1%
Lamps: 1 x Cree_XP-L_127.813lm@250mA_P=0.73723W_I=249.9mA



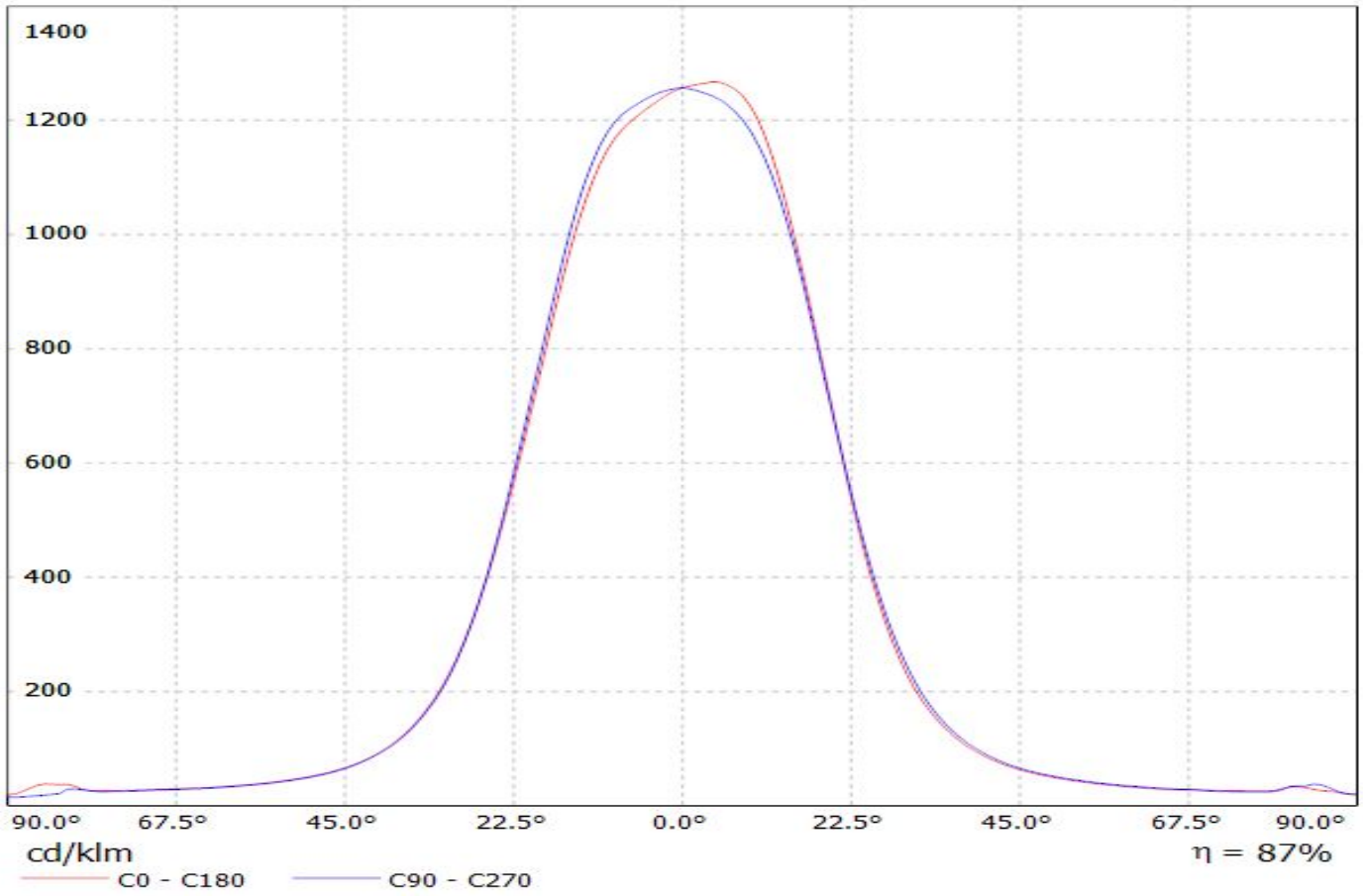
Luminaire: Ledil Oy CA12079_HEIDI-W2_(XHP35_HD)_SIMULATED
Lamps: 1 x Cree XHP35 HD



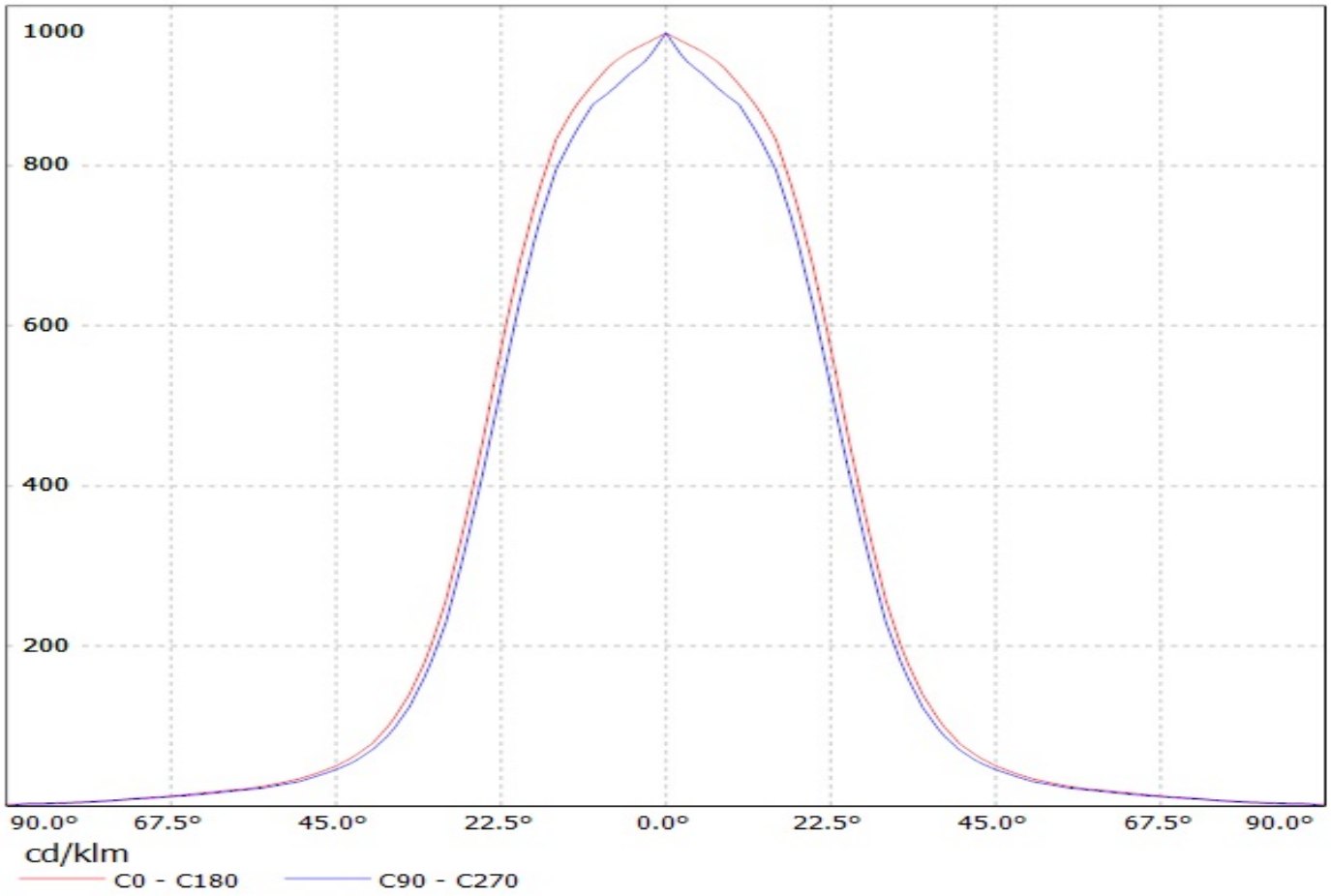
Luminaire: Ledil CA12079_HEIDI-W2_(XT-E)
Lamps: 1 x Cree_XT-E_(XTEAWT-00-0000-00000HBE8)_74.3774lm@250mA_P=0.784925W_I=0.2500A



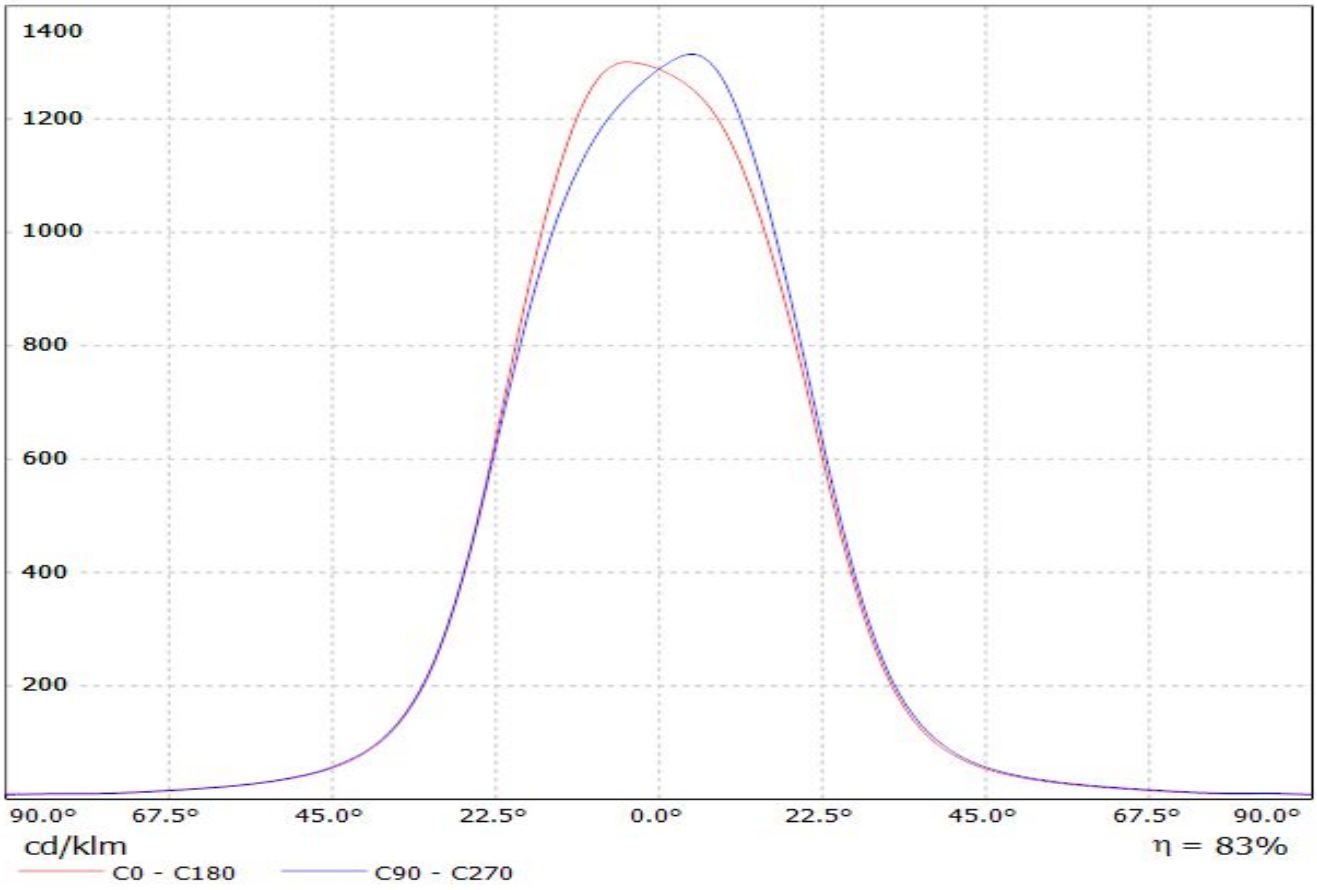
Luminaire: LEDiL Oy CA12079_HEIDI-W2_(XQ-E-HI)
Lamps: 1 x Cree_XQ-E_HI_100.602lm@250mA_P=0.744629W_I=0.25A



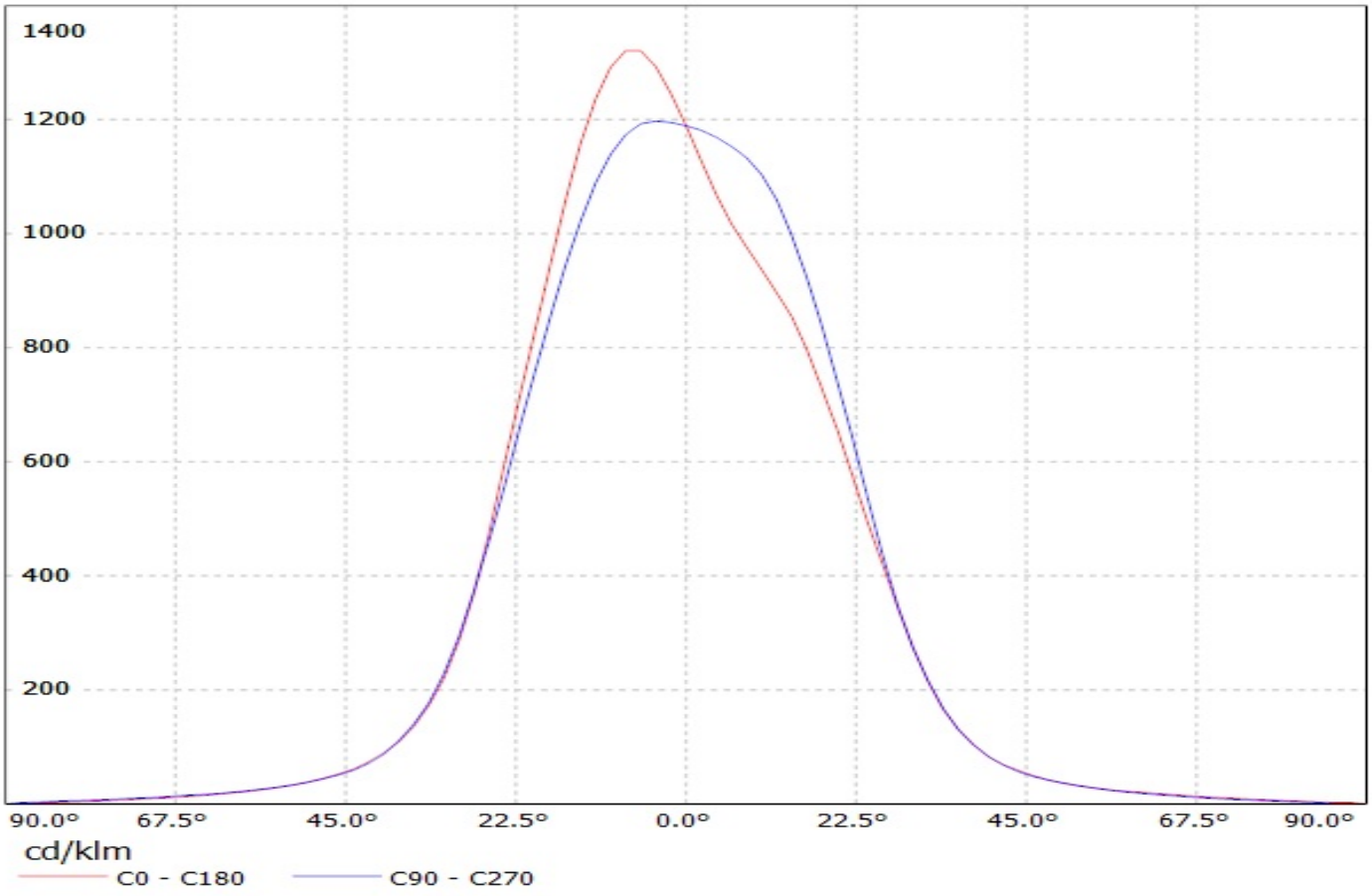
Luminaire: Ledil Oy CA12079_Heidi-W2-RE LOR=85%
Lamps: 1 x Luxeon Rebel 250mA 84lm



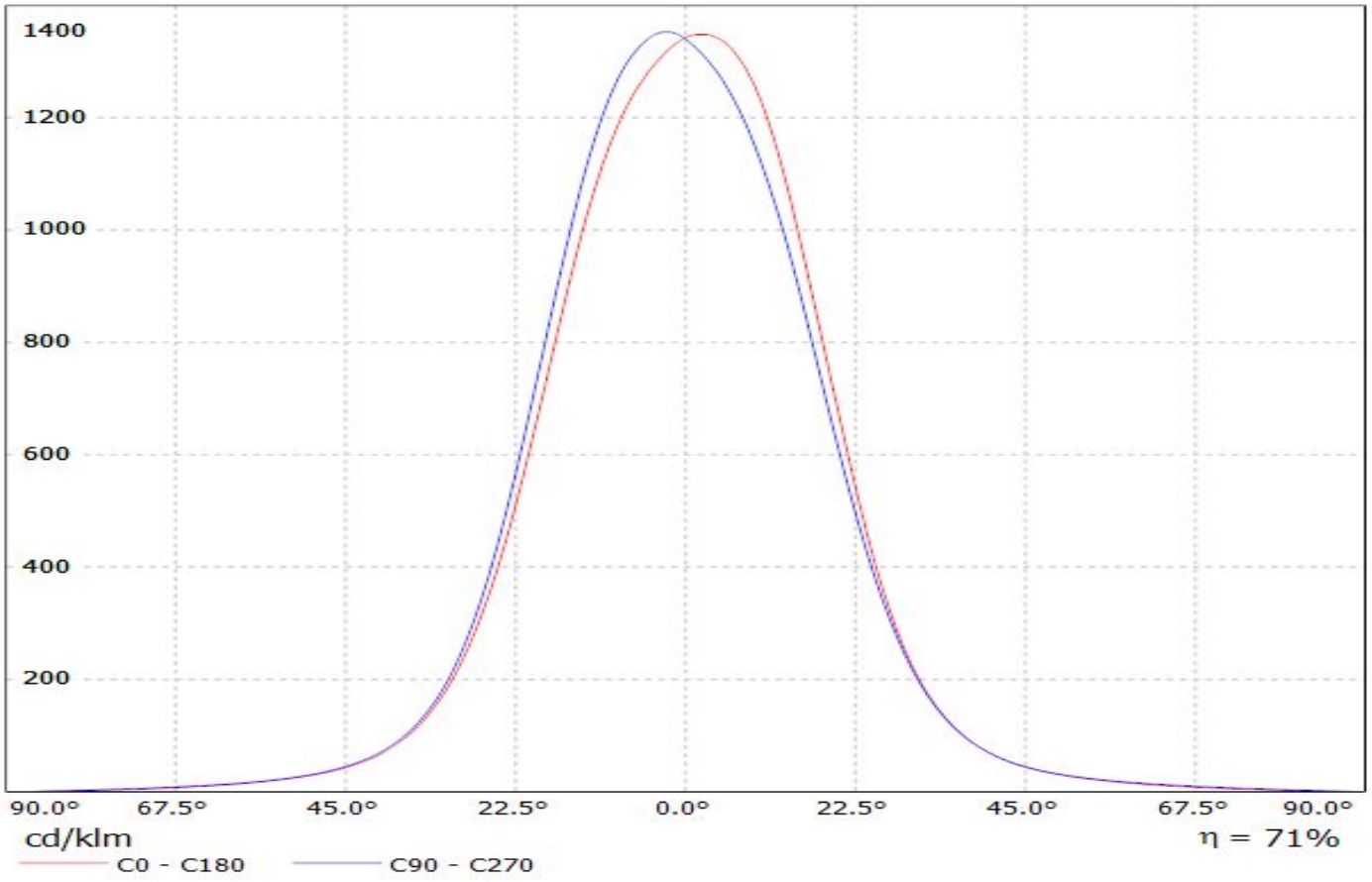
Luminaire: LEDiL Oy CA12079_HEIDI-W2_(LUXEON_T) Eff.83%
Lamps: 1 x LUXEON T (70lm@250mA)



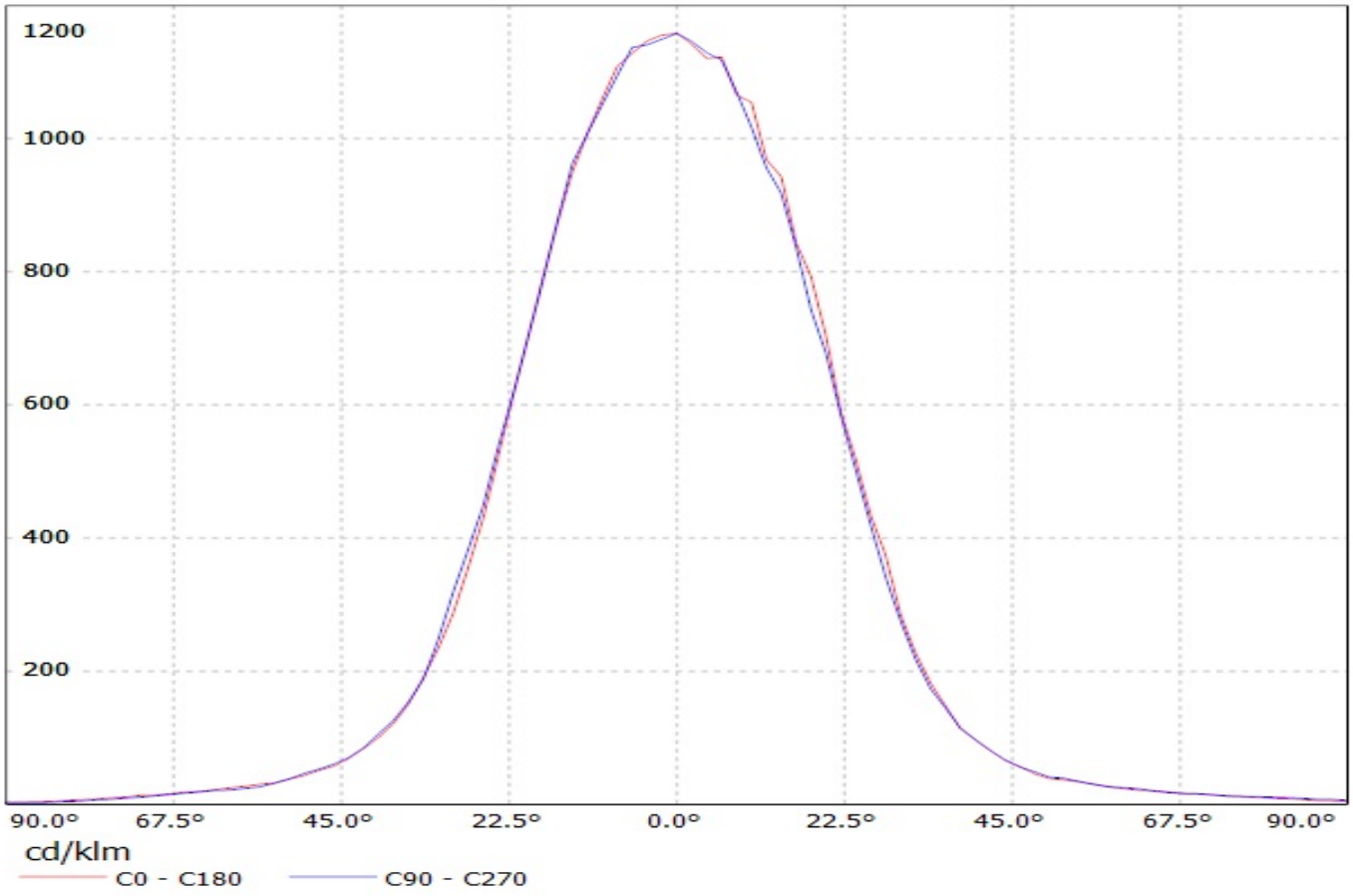
Luminaire: Ledil Oy CA12079_HEIDI-W2_(Luxeon_TX) Efficiency=78%
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA



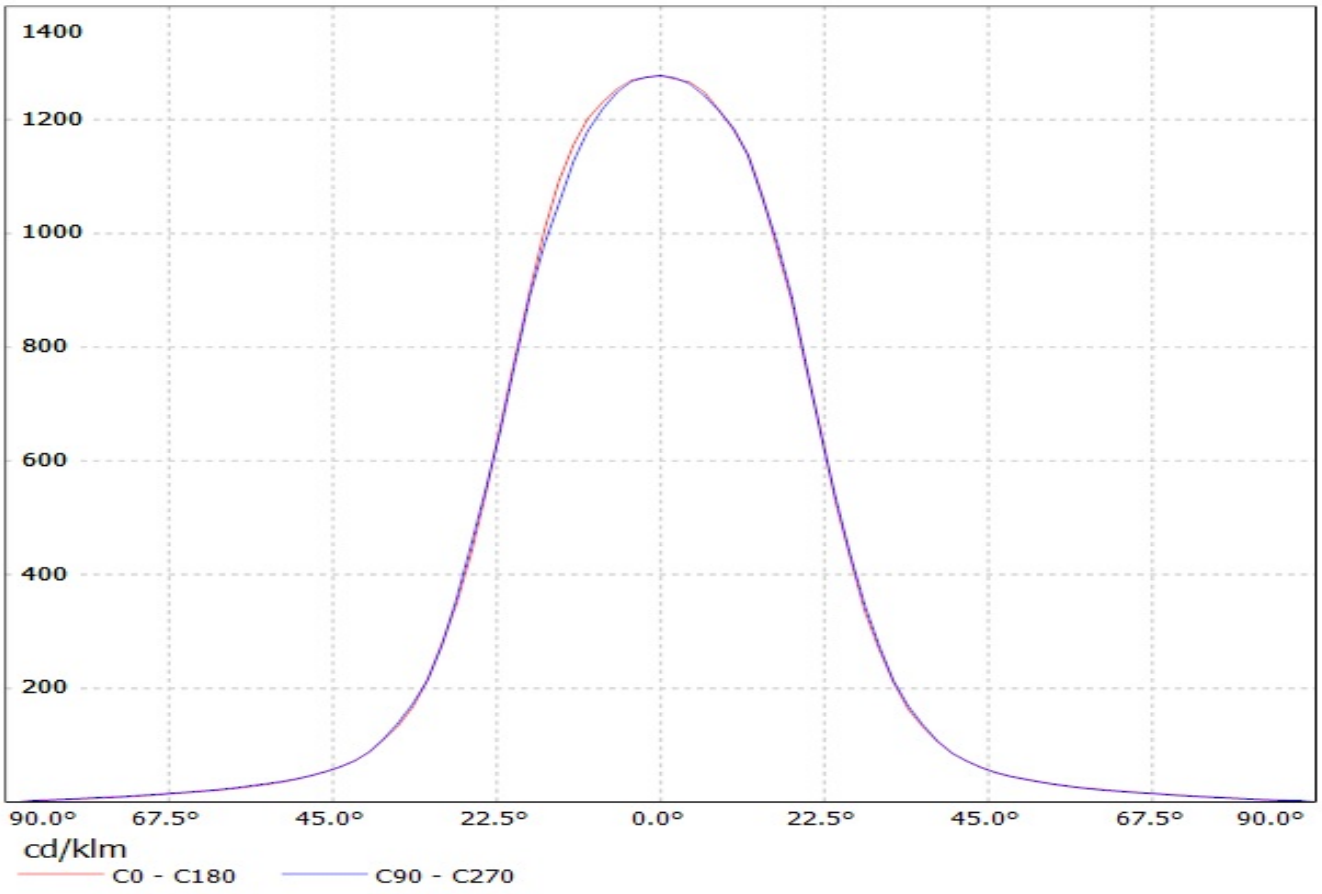
Luminaire: LEDiL Oy CA12079_HEIDI-W2_(Luxeon_C_WHITE)
Lamps: 1 x Luxeon_C_WHITE_84.6969lm@250mA_P=0.7410W_I=0.250A



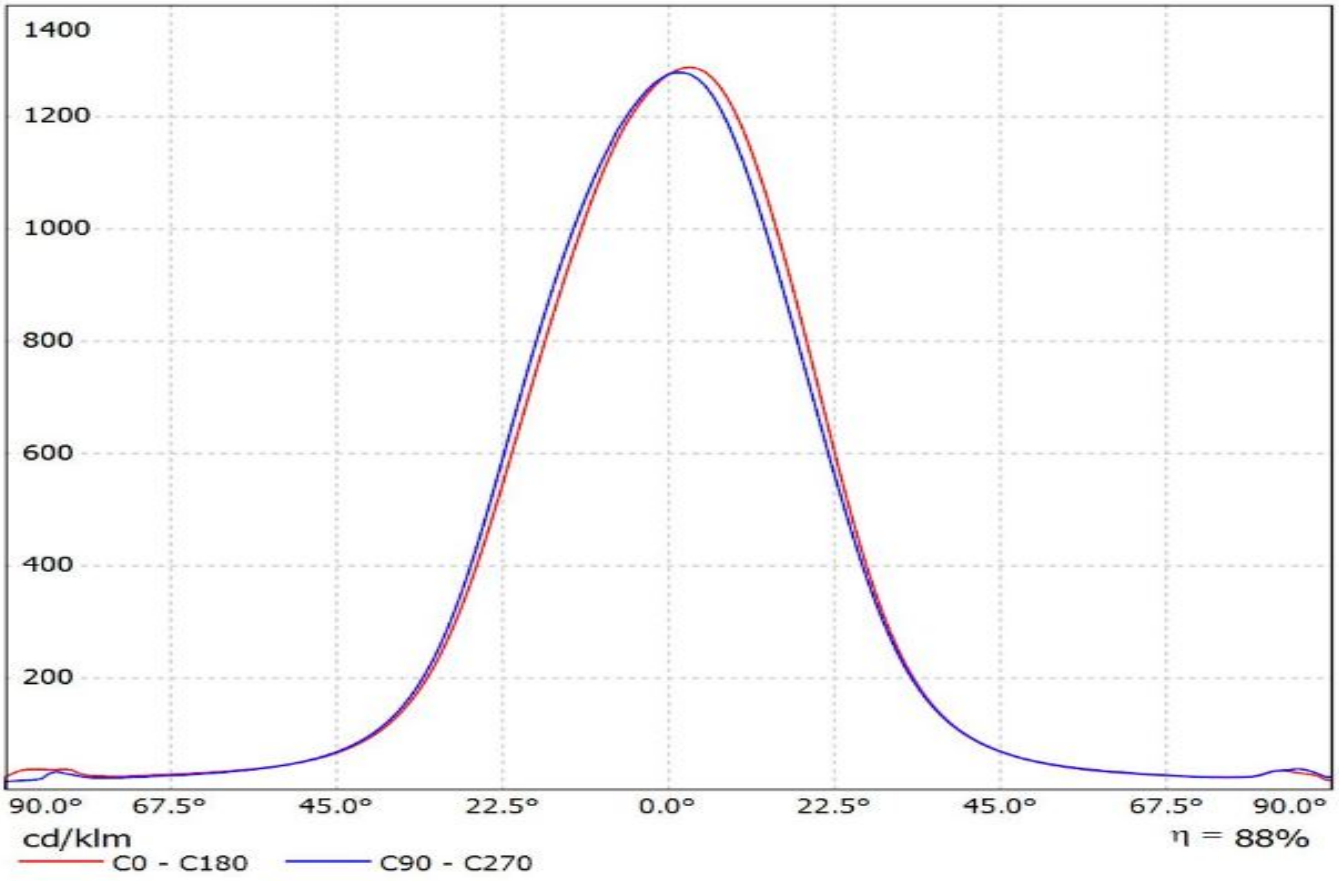
Luminaire: Ledil Oy CA12079_HEIDI-W2 (Nichia 219B 109lm @ 250mA) Efficiency=77%
Lamps: 1 x Nichia 219B 109lm @ 250mA



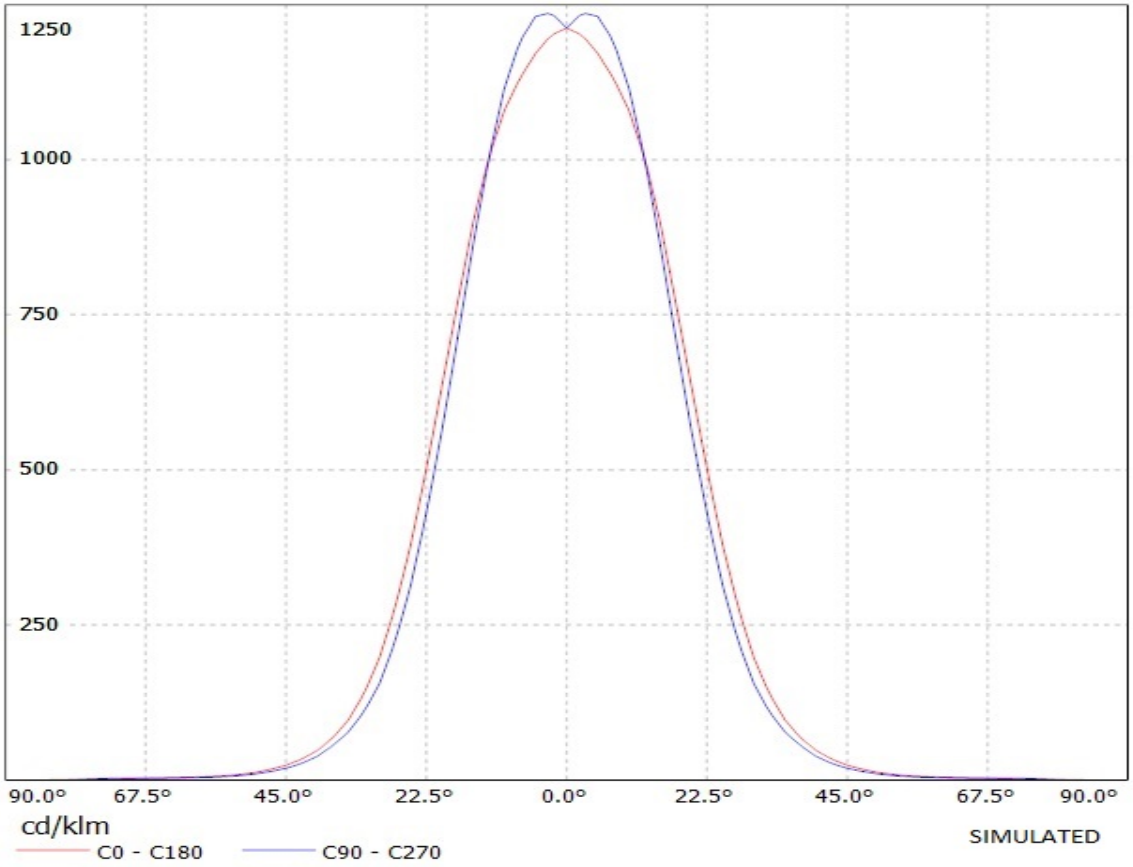
Luminaire: Ledil Oy CA12079_HEIDI-W2_(NCSxx19B) Efficiency=78%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



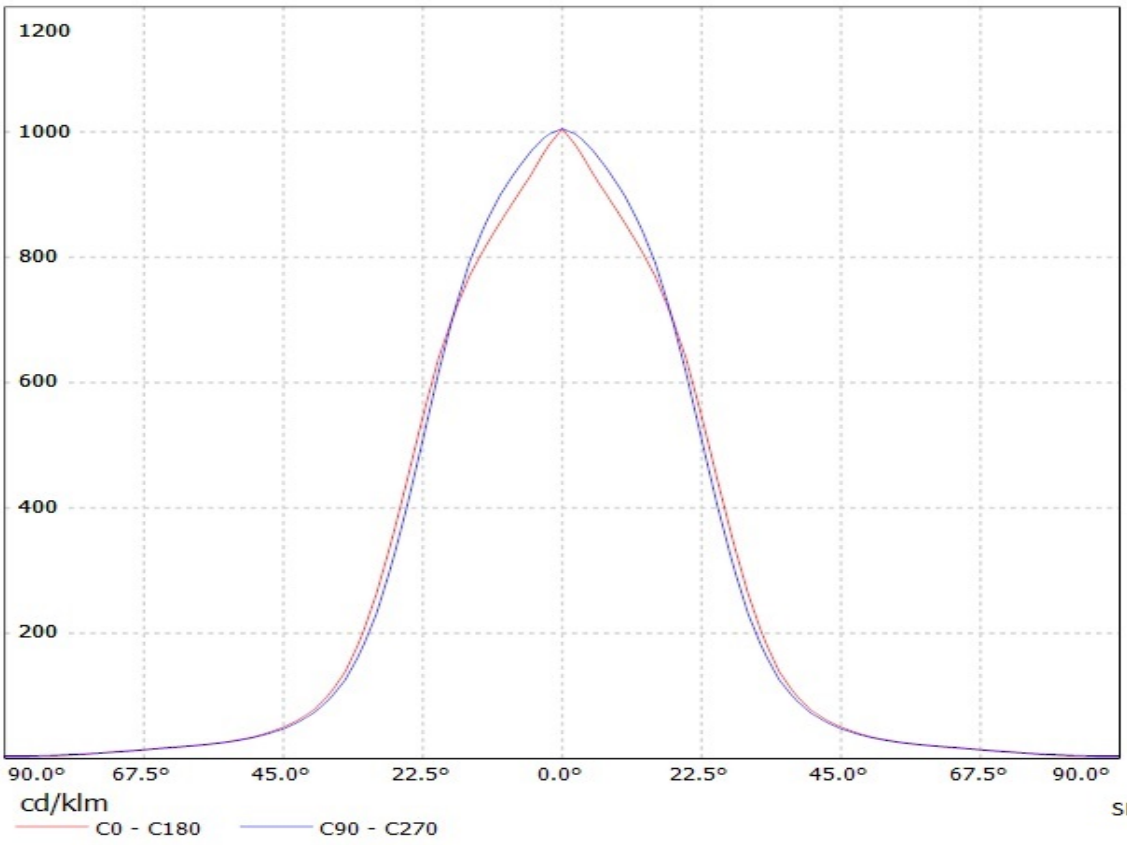
Luminaire: LEDiL Oy CA12079_HEIDI-W2_(NVSW3x9A)
Lamps: 1 x Nichia_NVSW3x9A_(sm405/R70)_122.259lm@250mA_P=0.705535W_I=0.250A



Luminaire: Ledil Oy CA12079_Heidi-W2-OSL150 LOR=81%
Lamps: 1 x Osram OSL150 109lm 150mA

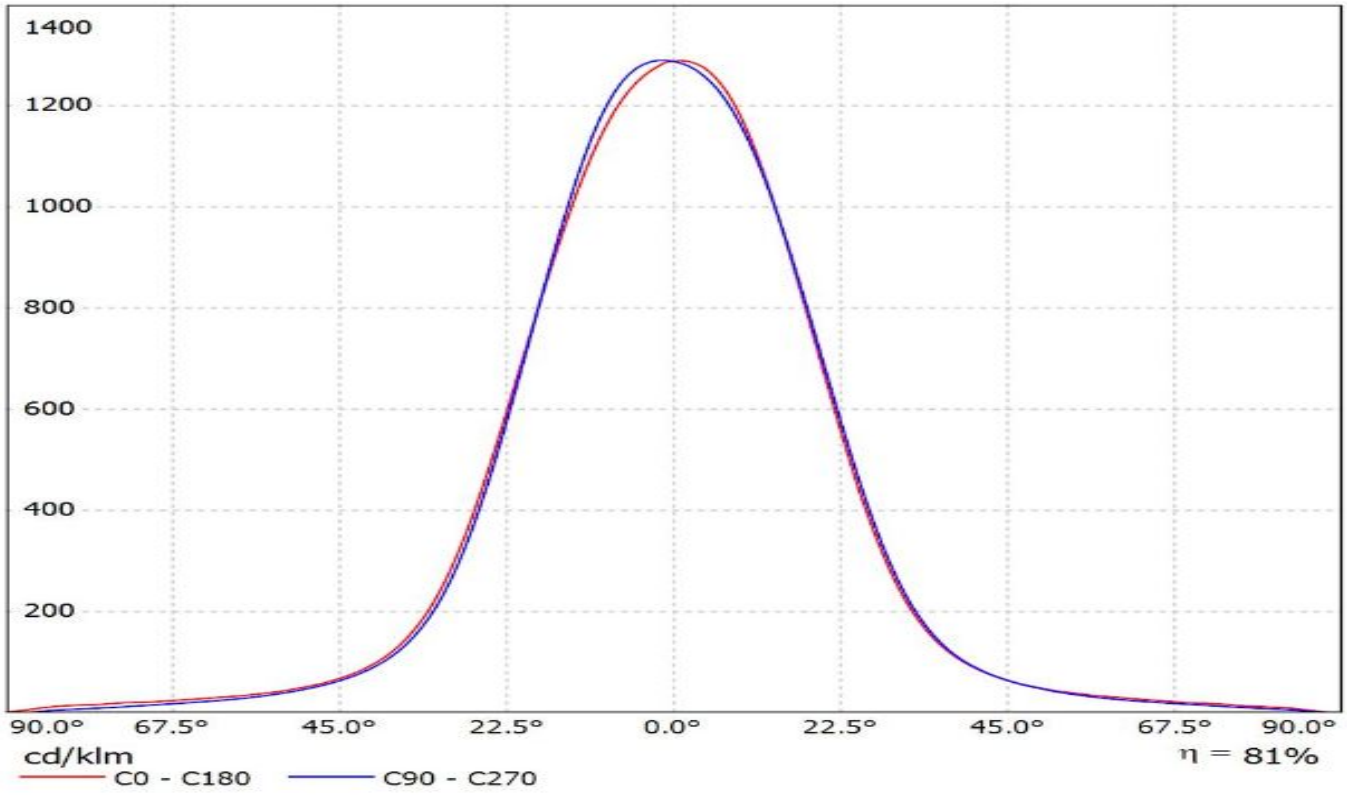


Luminaire: Ledil Oy CA12079_Heidi-W2-OSL LOR=80%
Lamps: 1 x Osram OSL80 250mA 85lm

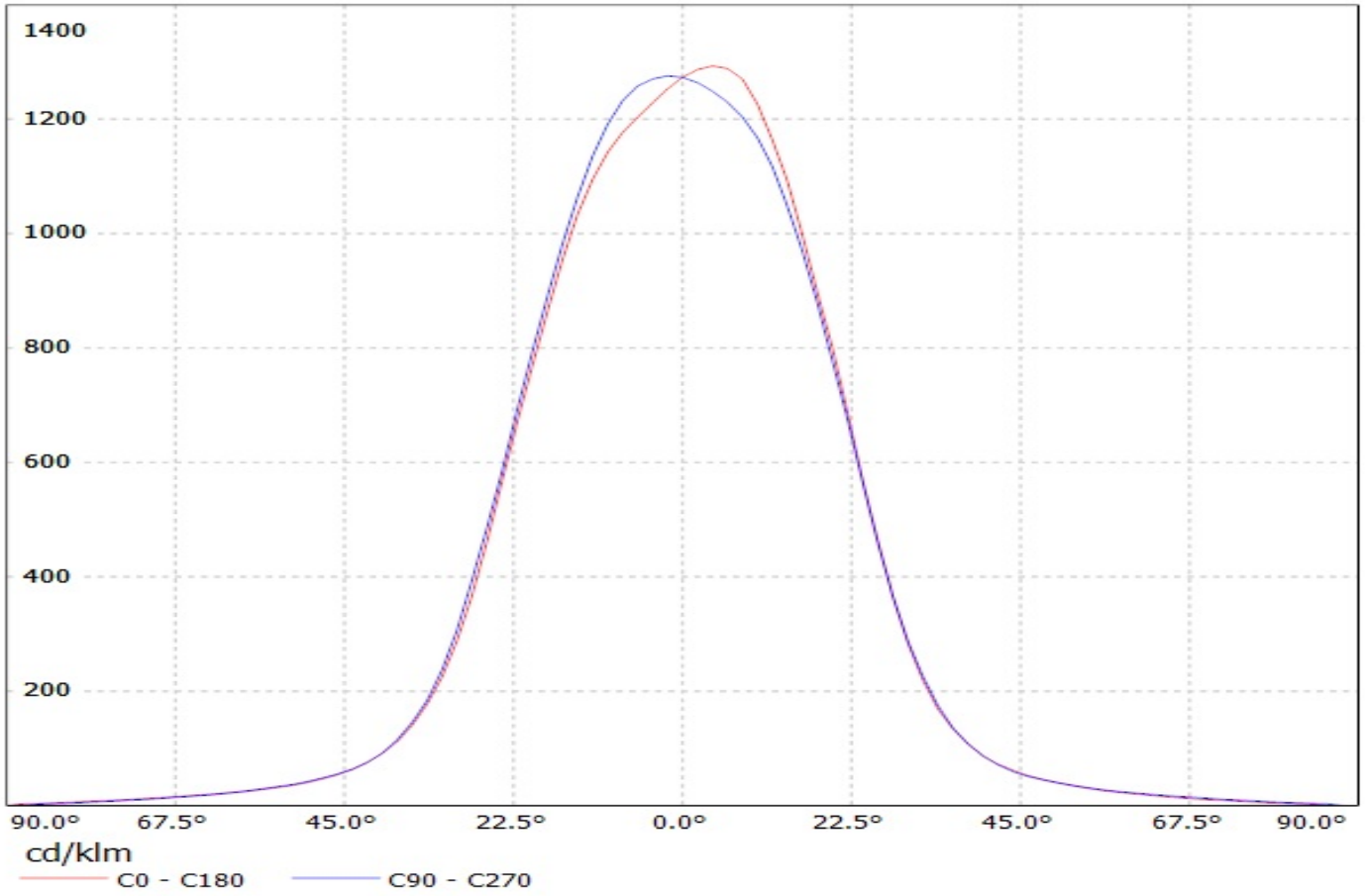


SIMULATED

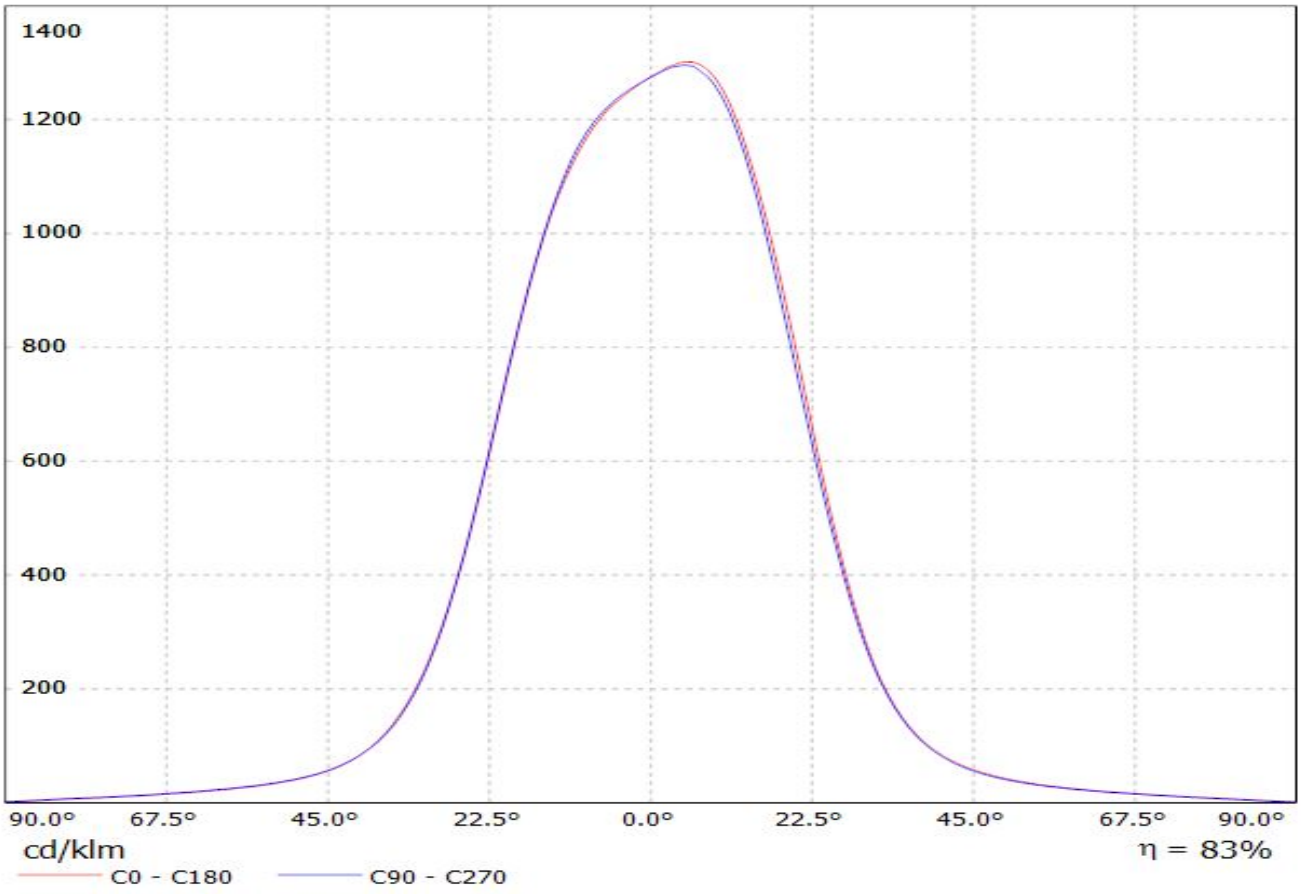
Luminaire: Ledil CA12079_HEIDI-W2_(Fortimo_FastFlex_LED_board 2x8-757_DS_G3)
Lamps: 1 x Philips_Fortimo_FastFlex_LED_board 2x8/757_DS_G3_(XP-G2)
_3428.78lm@500mA_P=23.7W_I=0.5A



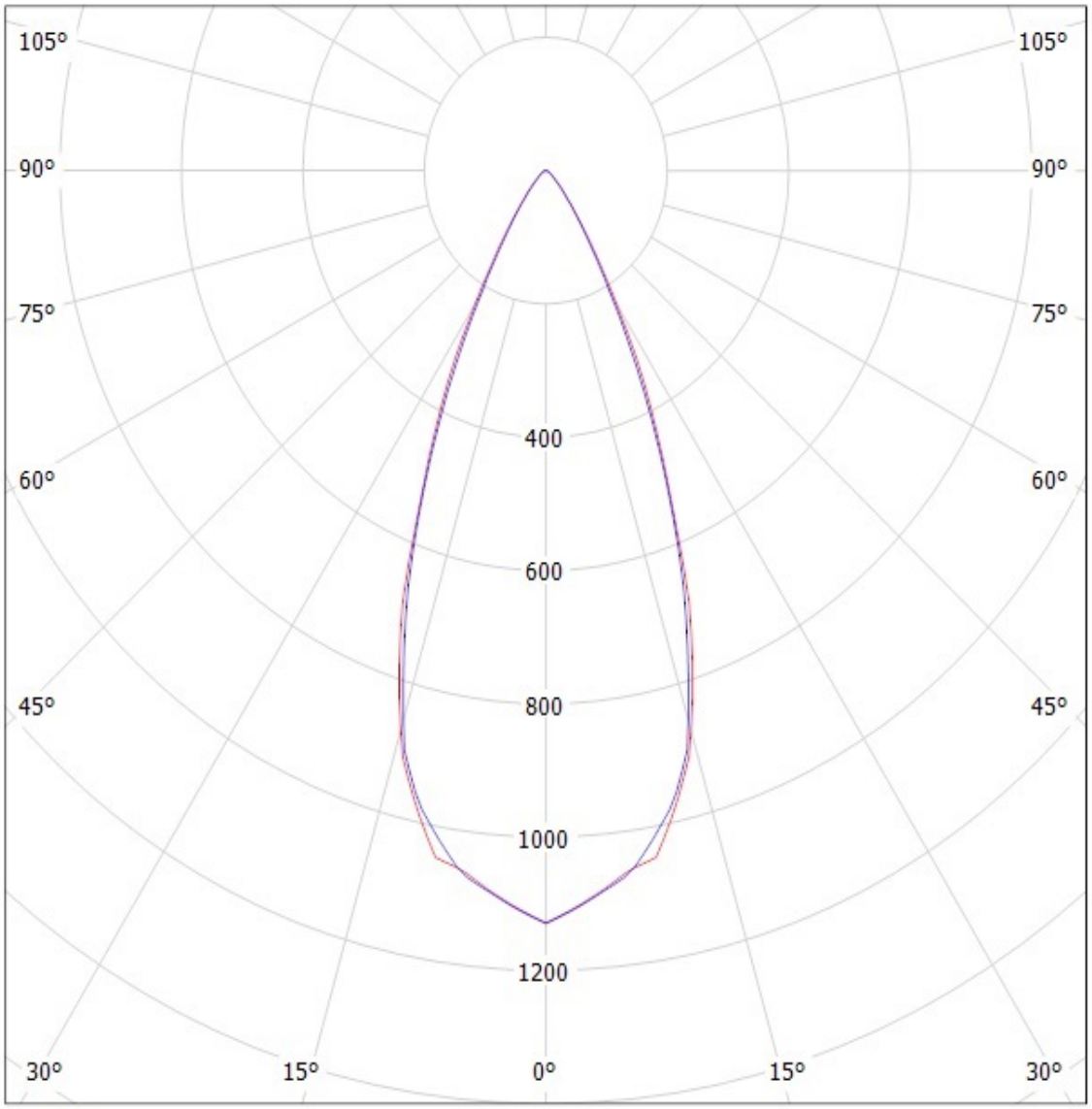
Luminaire: Ledil Oy CA12079_HEIDI-W2_(LH351Z) Efficiency=82%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



Luminaire: LEDiL Oy CA12079_HEIDI-W2_(Seoul_Z5M1)
Lamps: 1 x Seoul_Z5M1_107.648lm@250mA_CCT=9074K_P=0.739754W_I=249.9mA



Luminaire: Ledil Oy CA12079_Heidi-W2-XP LOR= 81%
Lamps: 1 x Cree XP-E 72lm 250mA

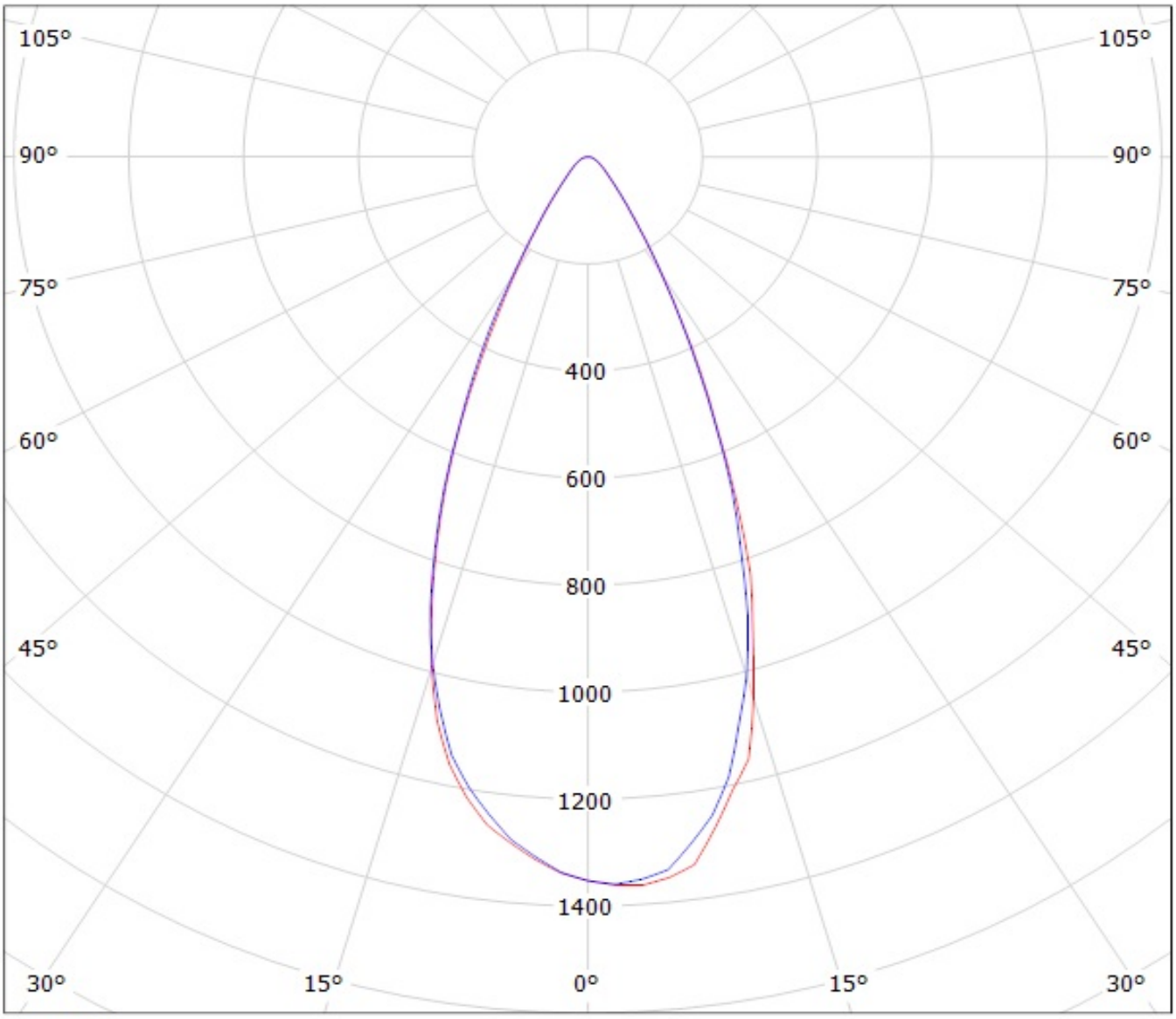


cd/klm

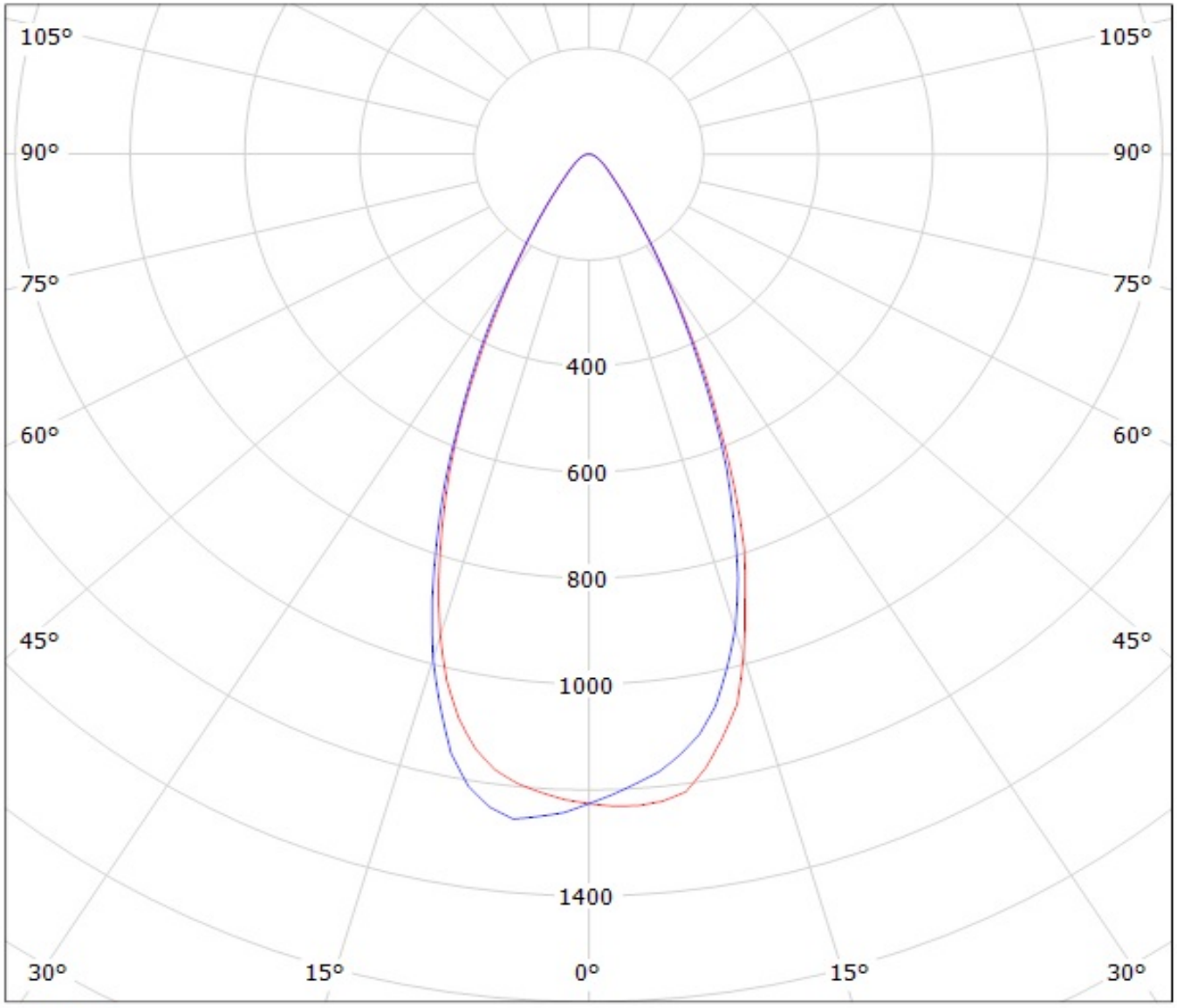
C0 - C180 C90 - C270

SIMULATED

Luminaire: Ledil Oy CA12079 HEIDI-W2_(XP-E2) Efficiency=81%
Lamps: 1 x Cree XP-E2 (92lm @ 250mA) CCT=5500K P=0.8W I=250mA



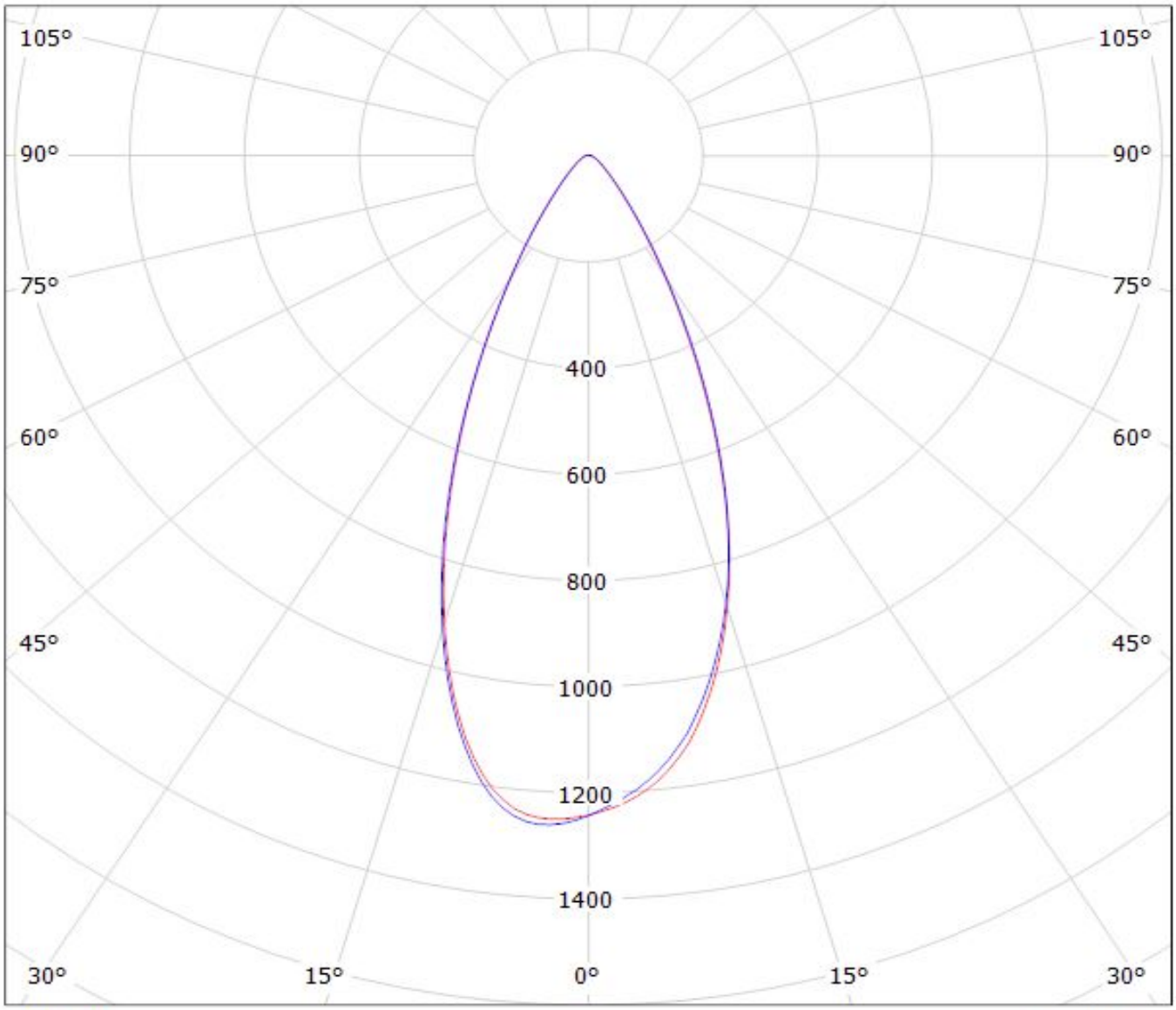
Luminaire: LEDil Oy CA12079_HEIDI-W2_(XP-G2) Efficiency=80%
Lamps: 1 x Cree XP-G2 (103lm @ 250mA) CCT=6600K P=0.7W I=250mA



cd/klm

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CA12079_HEIDI-W2_(XP-L) Eff.79.1%
Lamps: 1 x Cree_XP-L_127.813lm@250mA_P=0.73723W_I=249.9mA

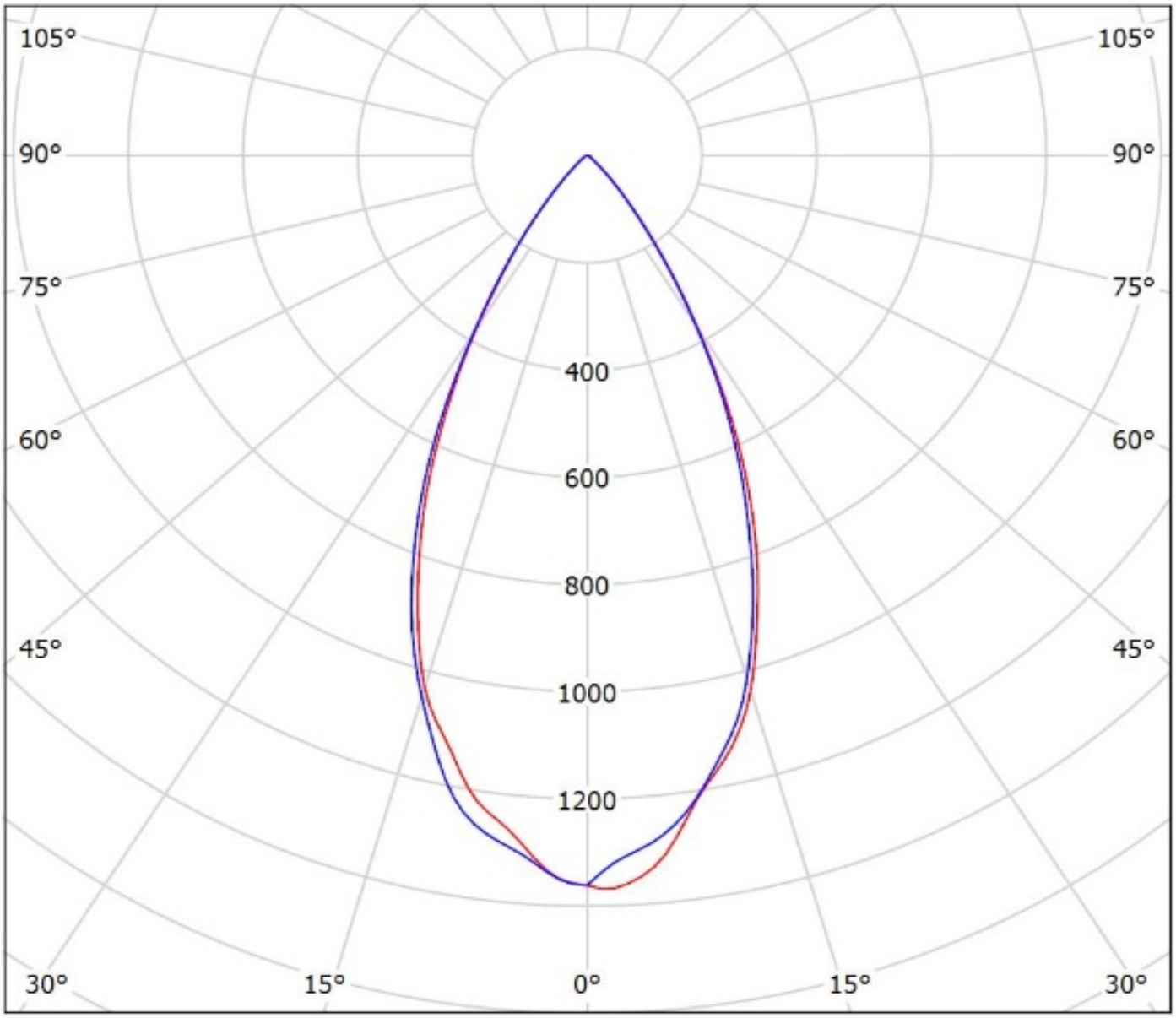


cd/klm

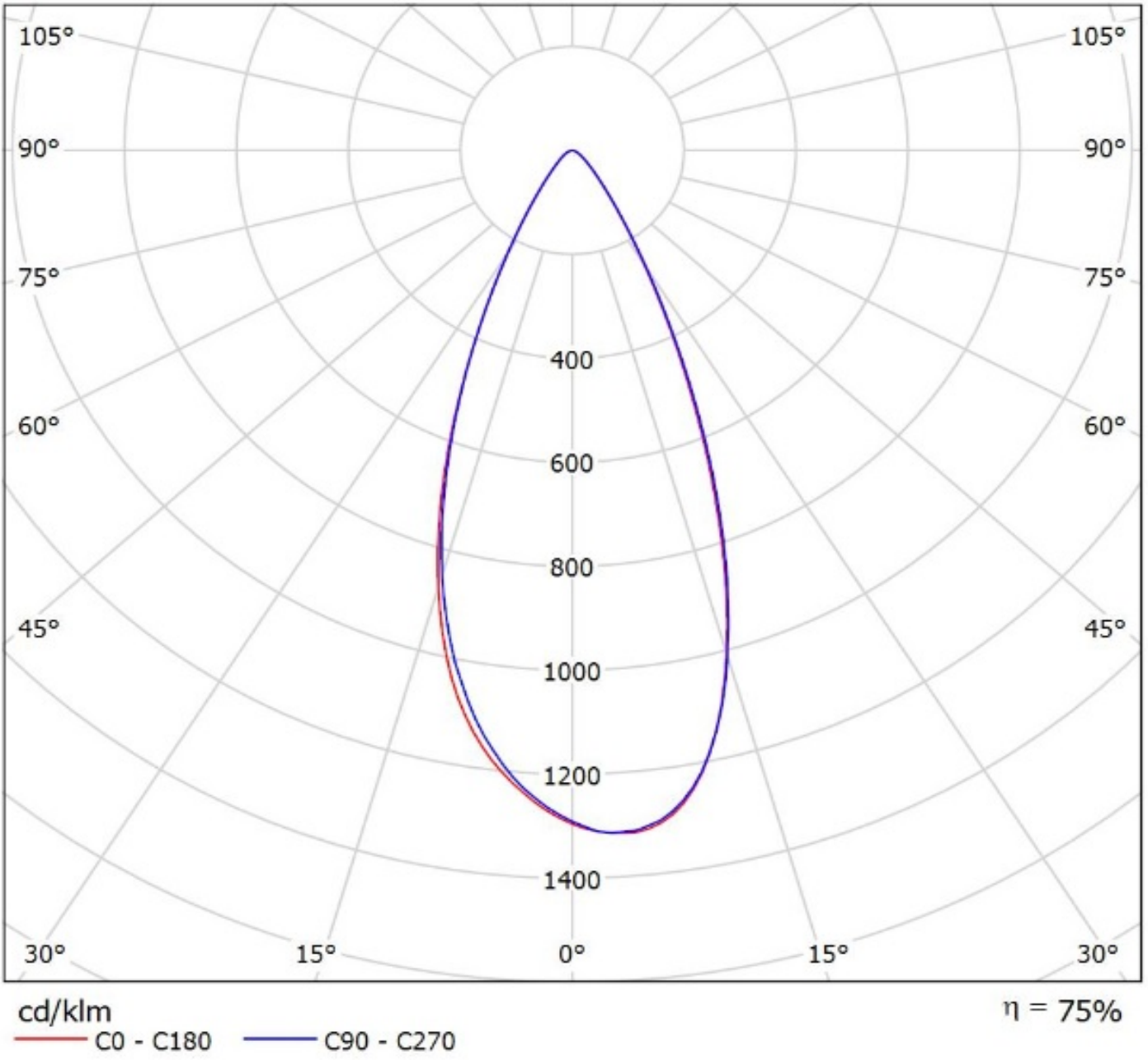
η = 79%

C0 - C180 C90 - C270

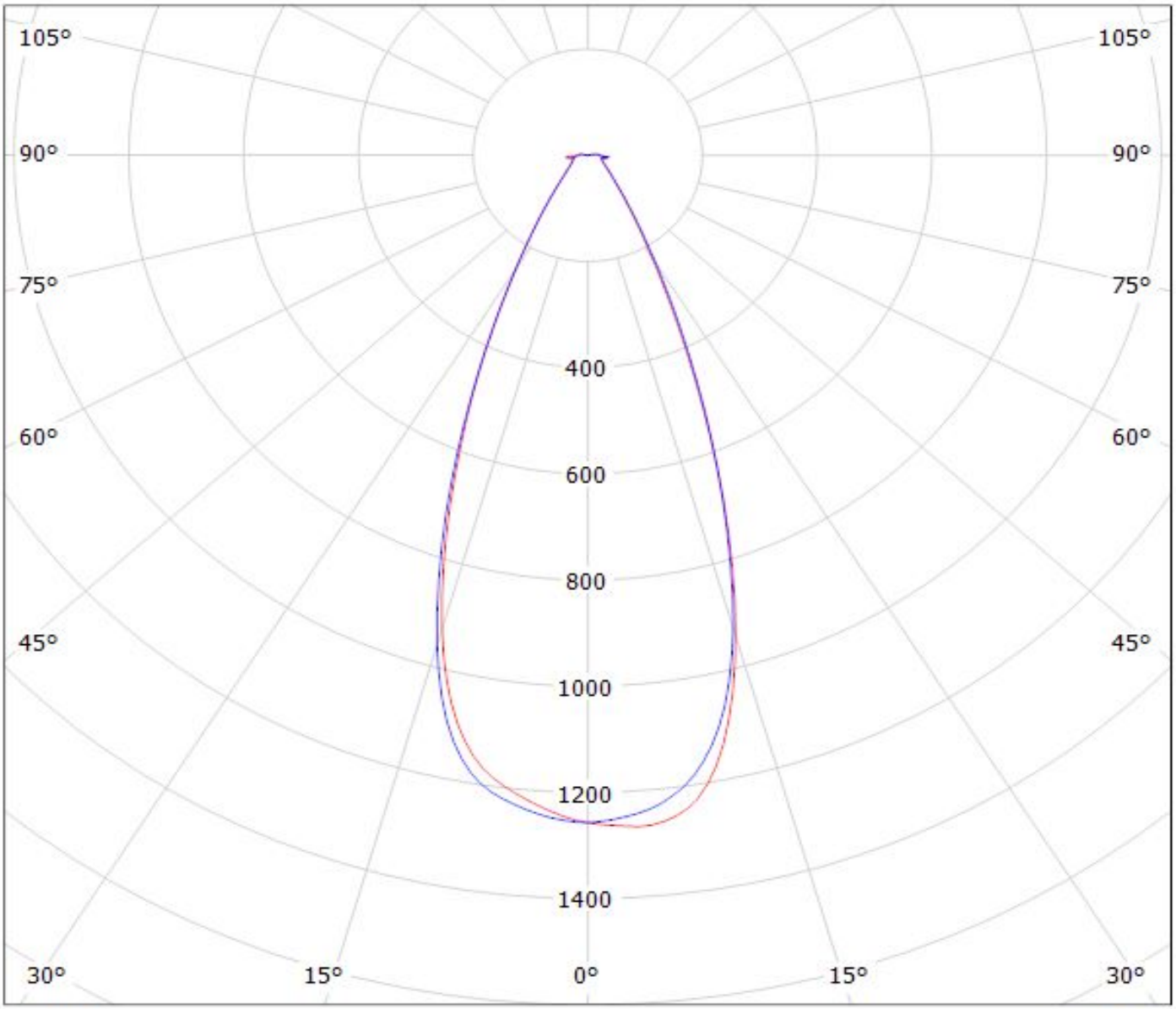
Luminaire: Ledil Oy CA12079_HEIDI-W2_(XHP35_HD)_SIMULATED
Lamps: 1 x Cree XHP35 HD



Luminaire: Ledil CA12079_HEIDI-W2_(XT-E)
Lamps: 1 x Cree_XT-E_(XTEAWT-00-0000-00000HBE8)_74.3774lm@250mA_P=0.784925W_I=0.2500A



Luminaire: LEDiL Oy CA12079_HEIDI-W2_(XQ-E-HI)
Lamps: 1 x Cree_XQ-E_HI_100.602lm@250mA_P=0.744629W_I=0.25A

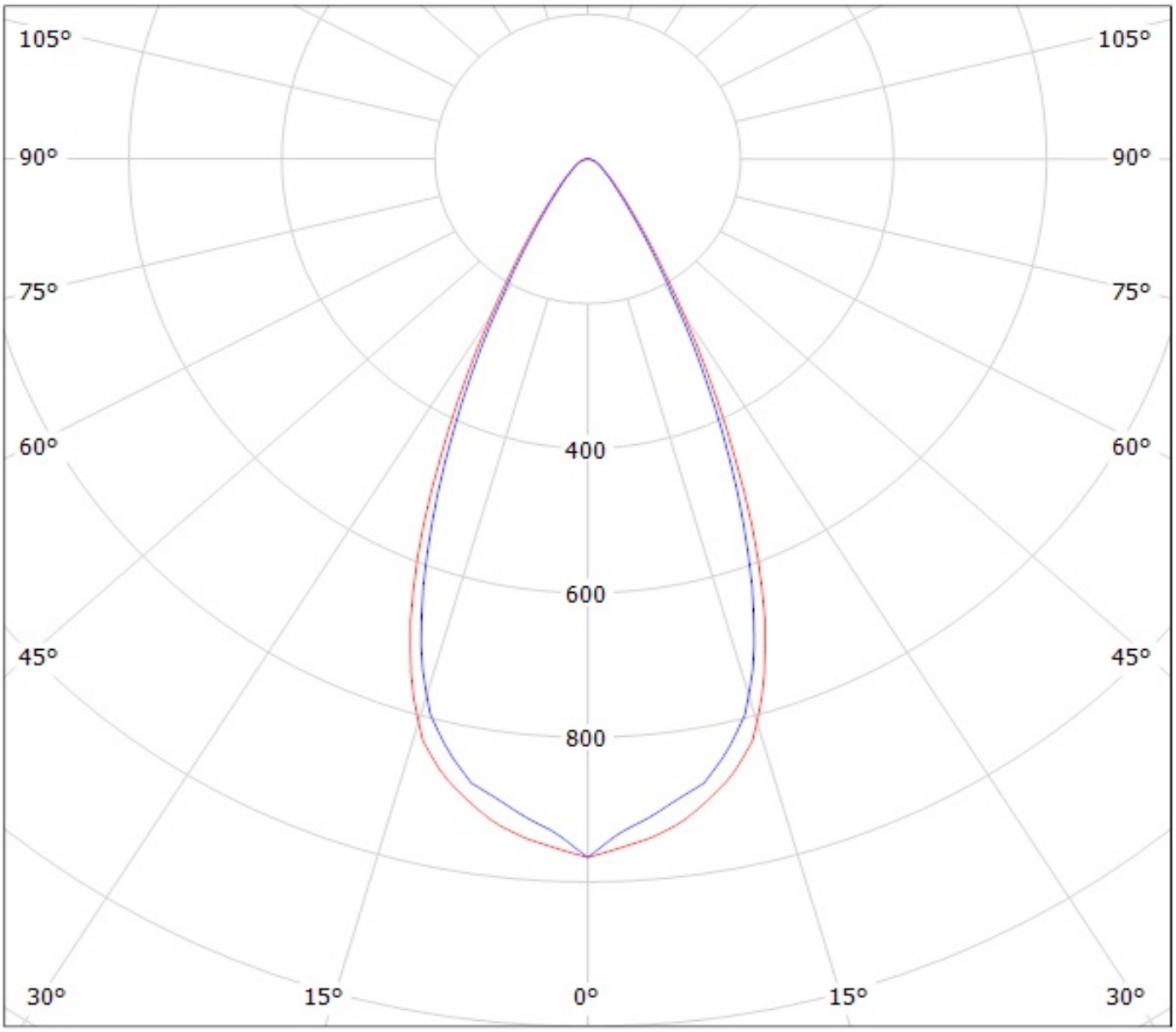


cd/klm

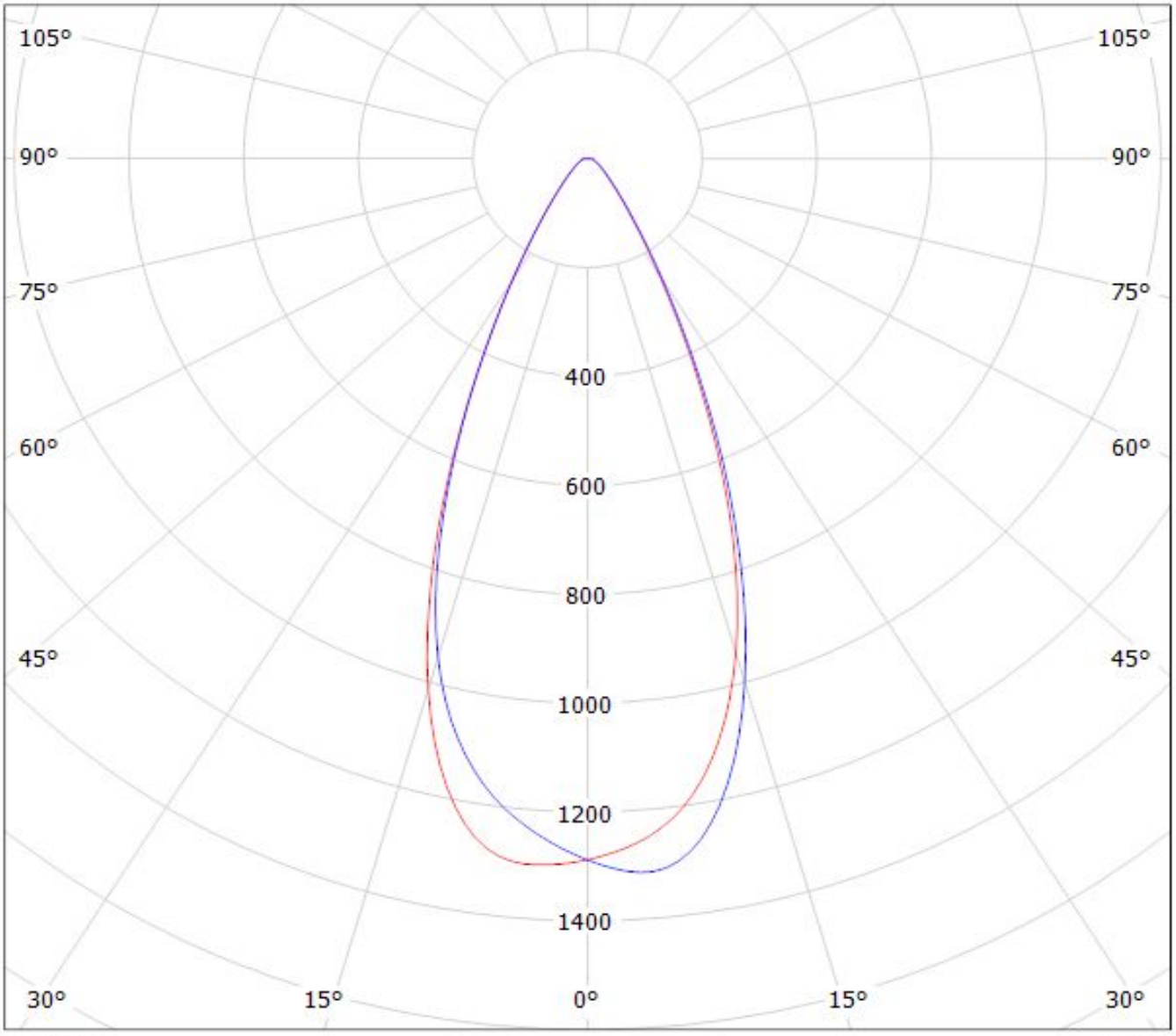
η = 87%

C0 - C180 C90 - C270

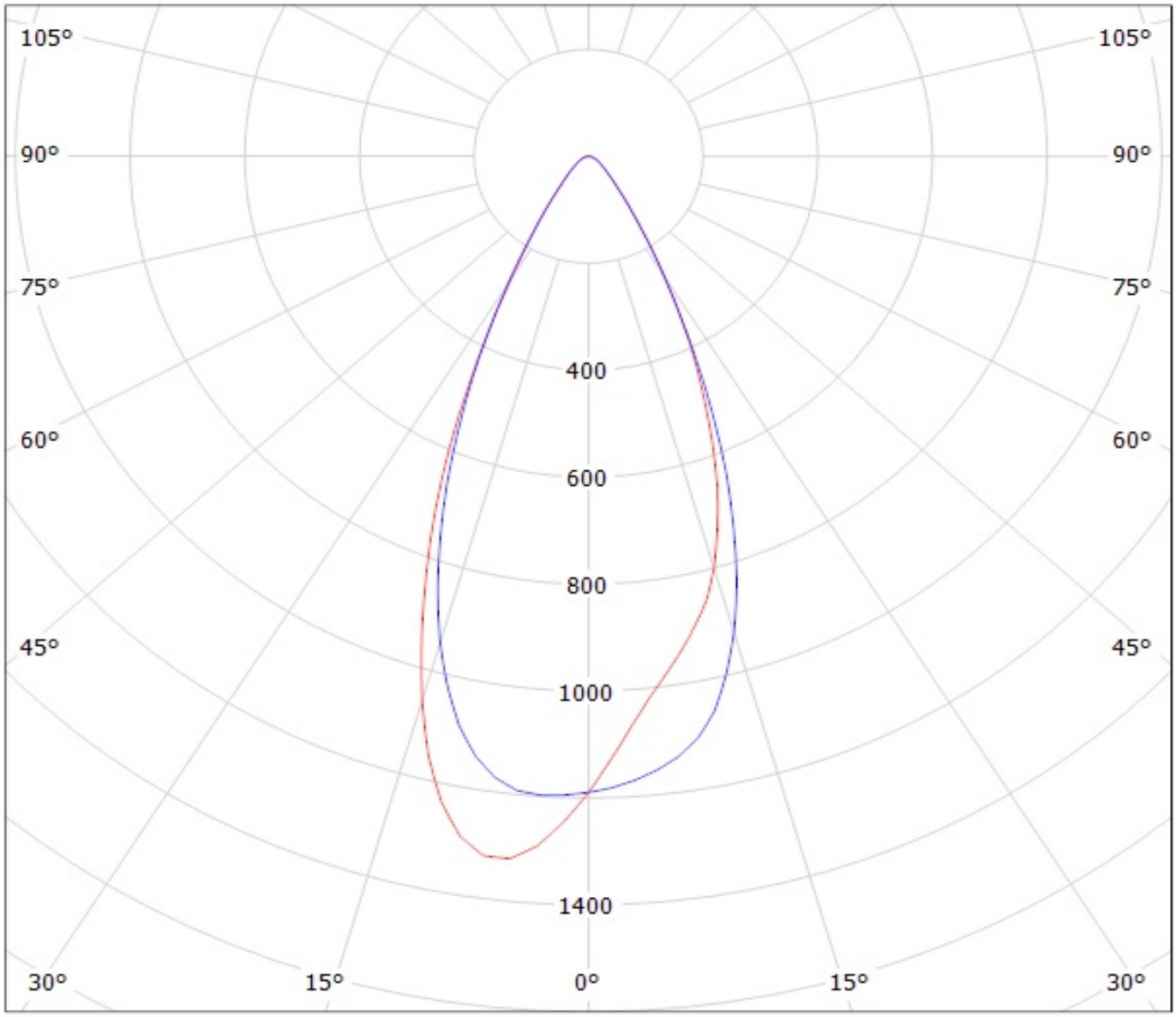
Luminaire: Ledil Oy CA12079_Heidi-W2-RE LOR=85%
Lamps: 1 x Luxeon Rebel 250mA 84lm



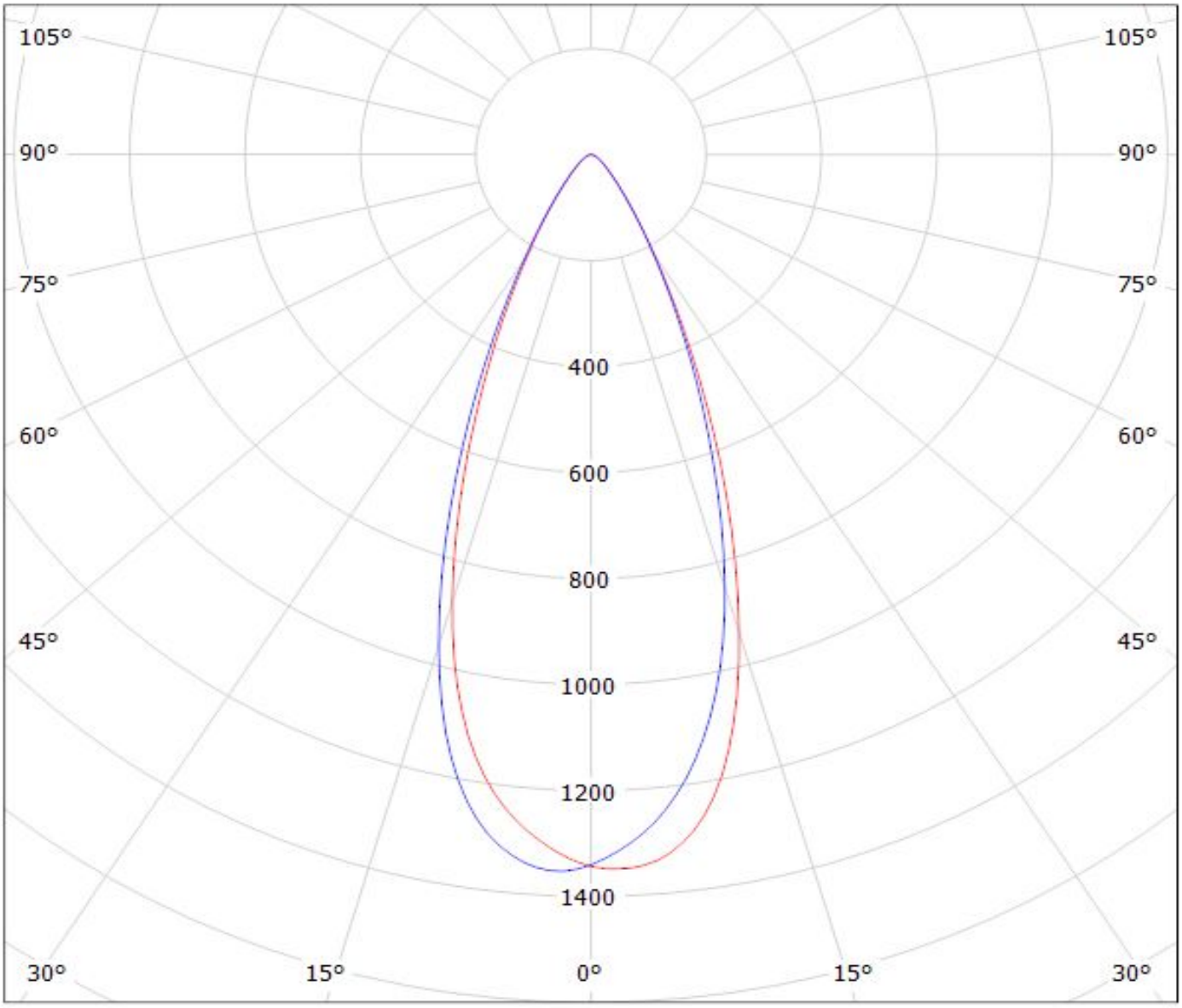
Luminaire: LEDiL Oy CA12079_HEIDI-W2_(LUXEON_T) Eff.83%
Lamps: 1 x LUXEON T (70lm@250mA)



Luminaire: Ledil Oy CA12079_HEIDI-W2_(Luxeon_TX) Efficiency=78%
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA



Luminaire: LEDiL Oy CA12079_HEIDI-W2_(Luxeon_C_WHITE)
Lamps: 1 x Luxeon_C_WHITE_84.6969lm@250mA_P=0.7410W_I=0.250A

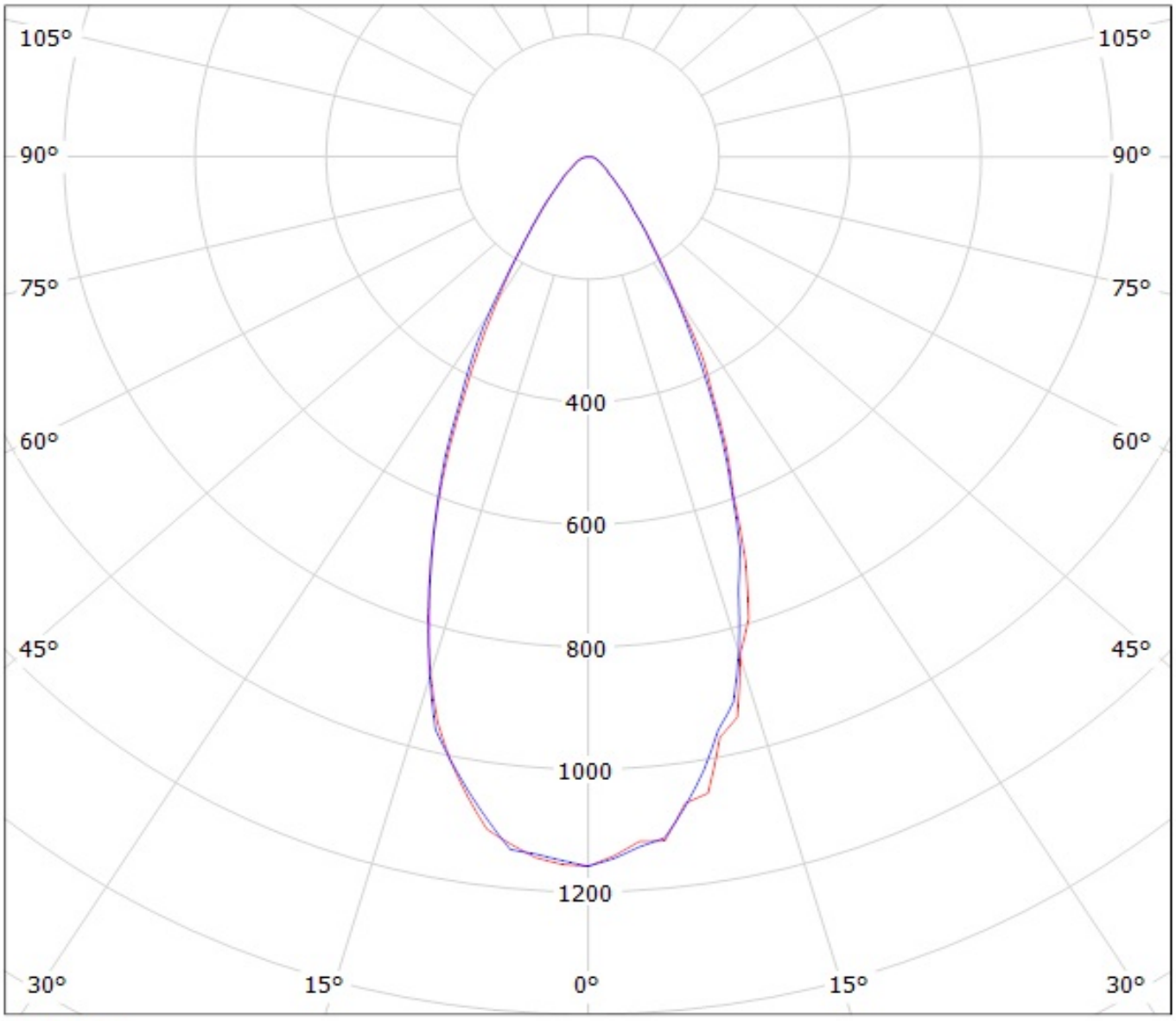


cd/klm

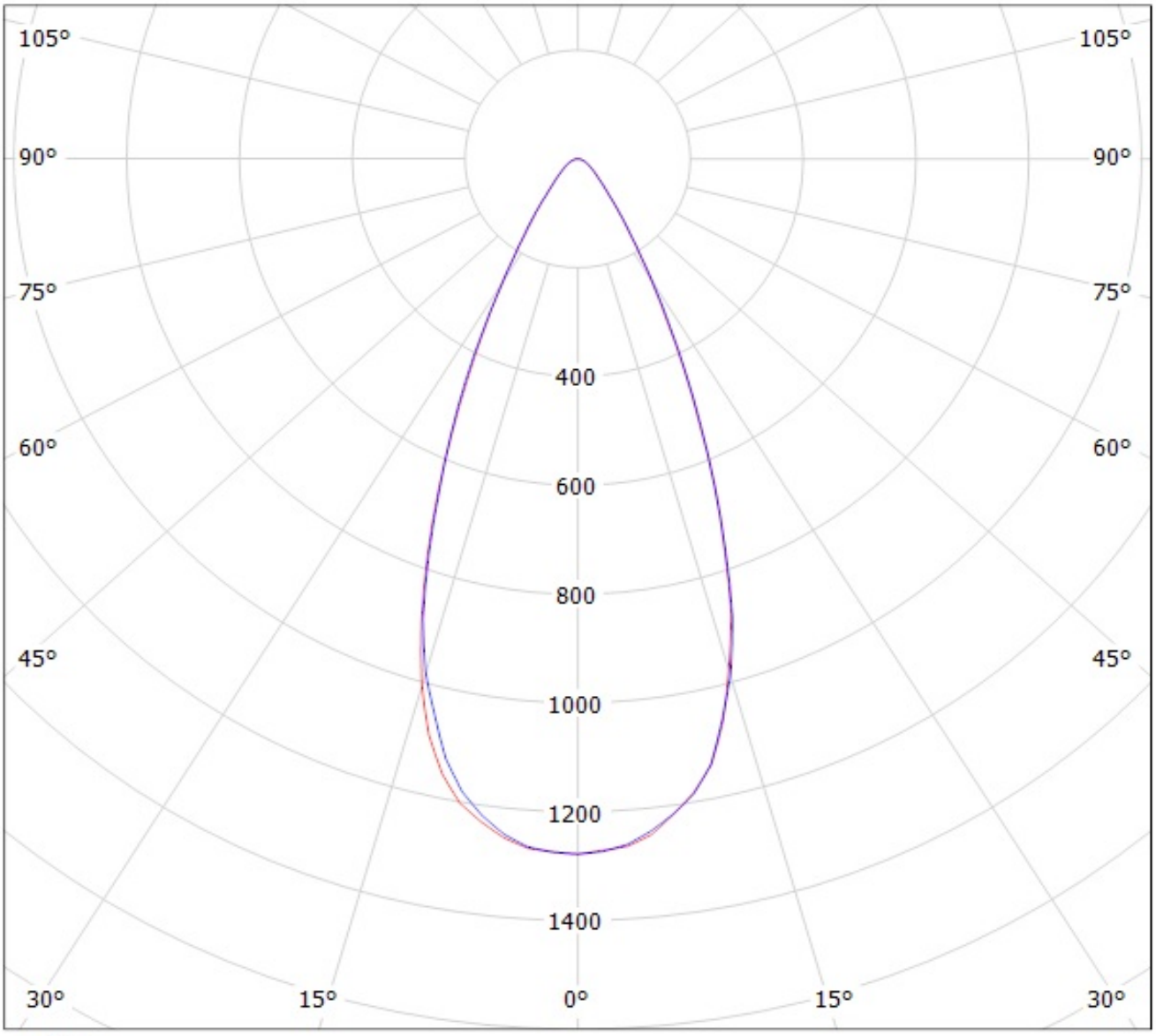
η = 71%

C0 - C180 C90 - C270

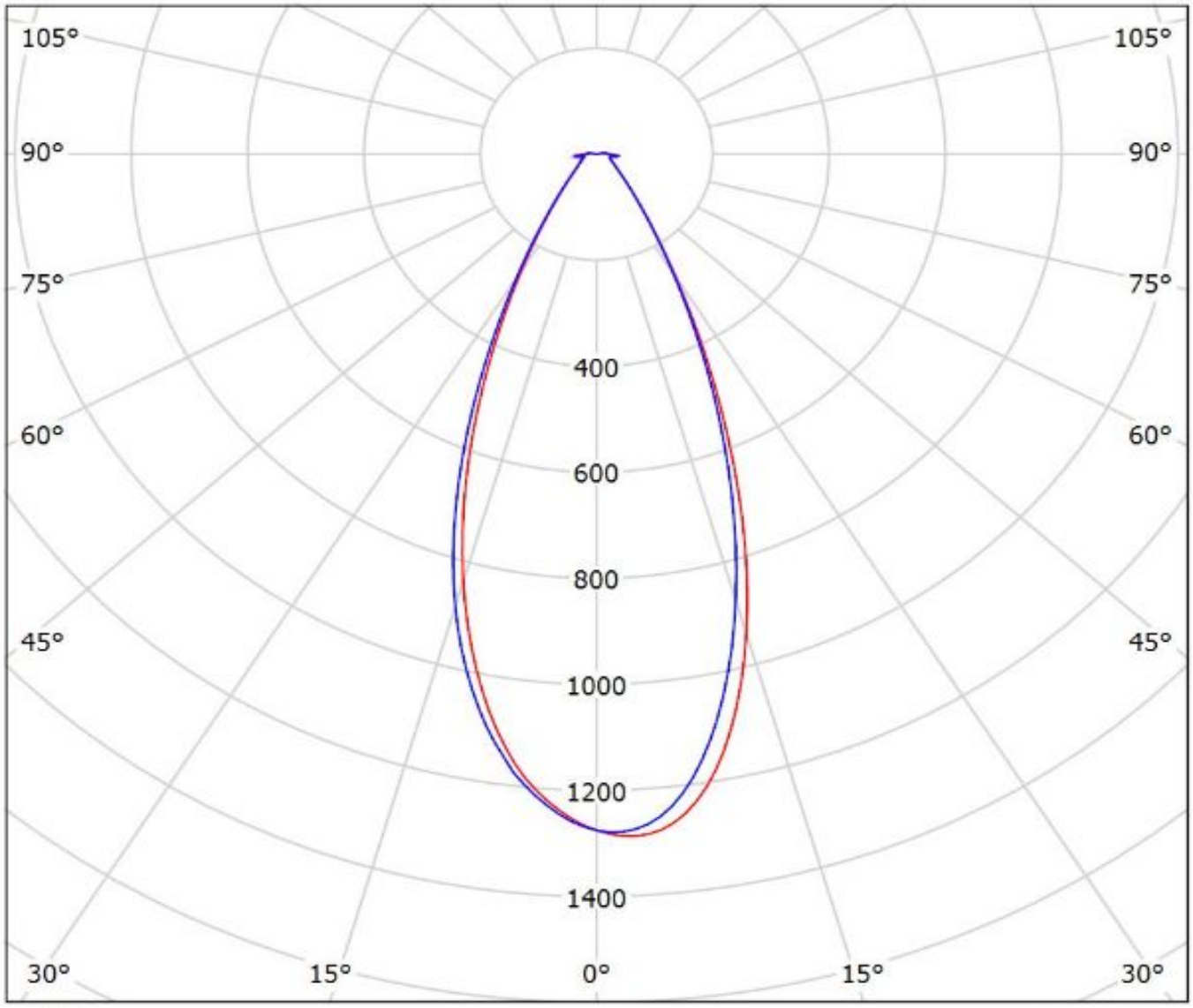
Luminaire: Ledil Oy CA12079_HEIDI-W2 (Nichia 219B 109lm @ 250mA) Efficiency=77%
Lamps: 1 x Nichia 219B 109lm @ 250mA



Luminaire: Ledil Oy CA12079_HEIDI-W2_(NCSxx19B) Efficiency=78%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



Luminaire: LEDiL Oy CA12079_HEIDI-W2_(NVSW3x9A)
Lamps: 1 x Nichia_NVSW3x9A_(sm405/R70)_122.259lm@250mA_P=0.705535W_I=0.250A

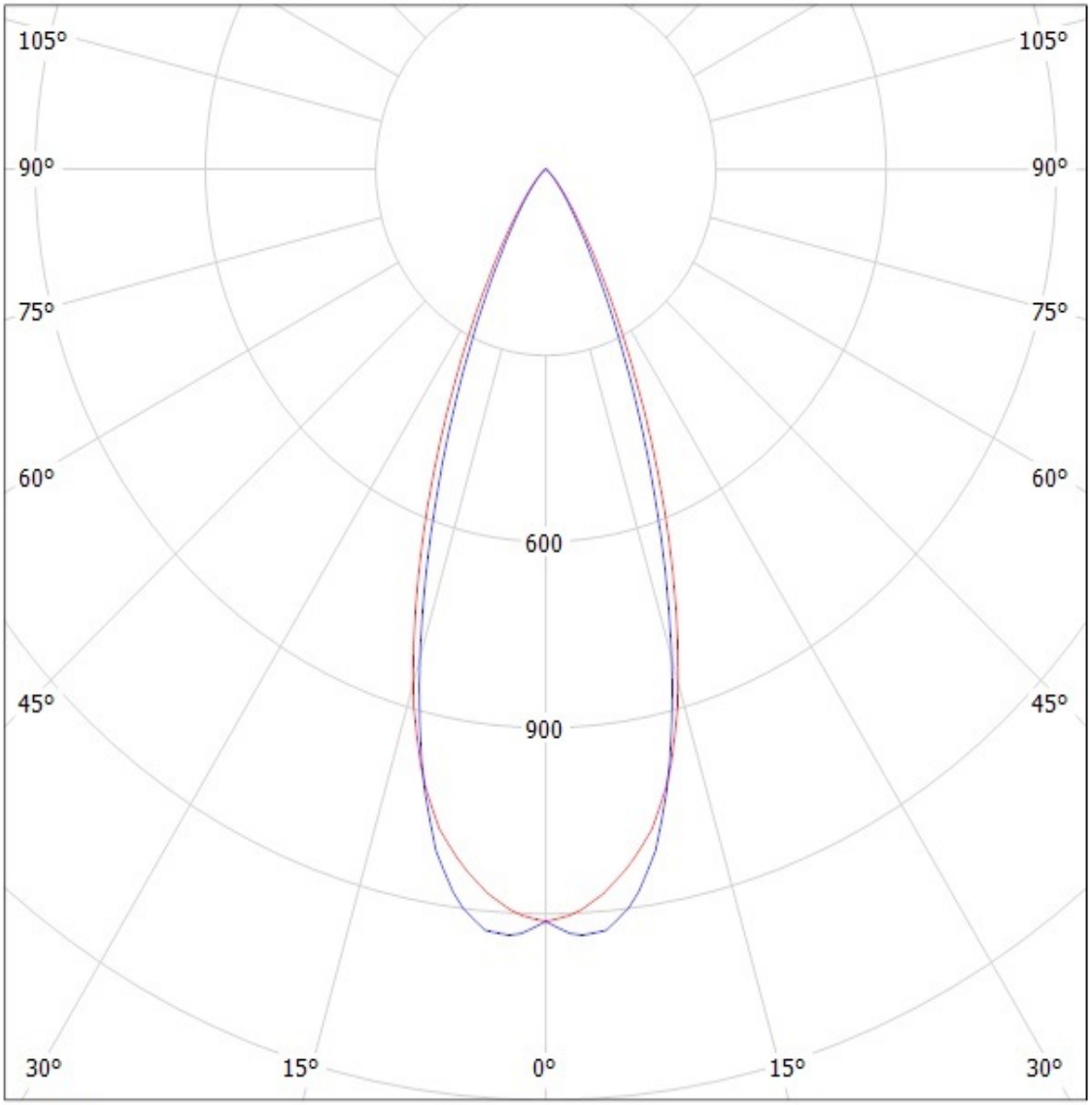


cd/klm

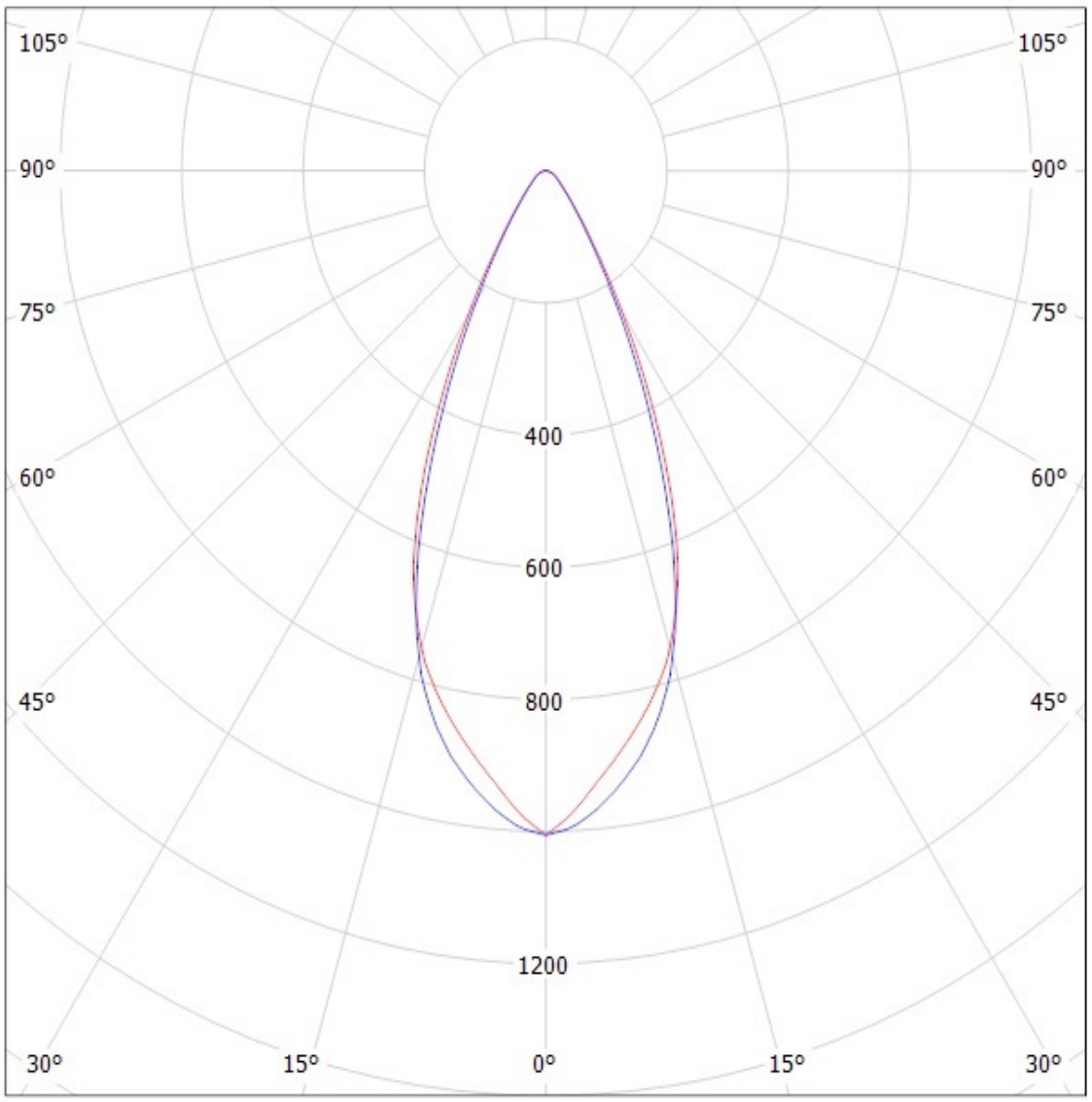
η = 88%

C0 - C180 C90 - C270

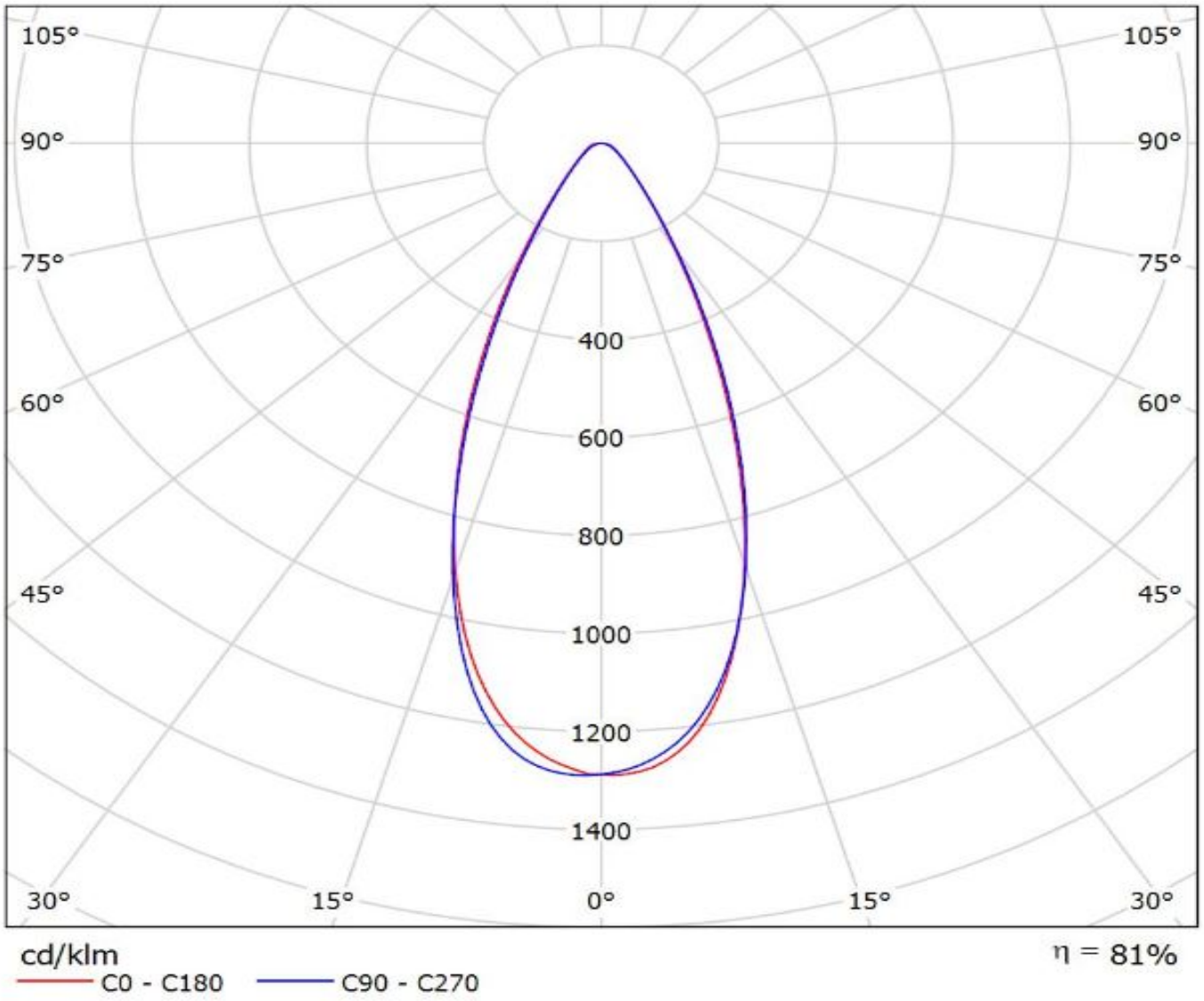
Luminaire: Ledil Oy CA12079_Heidi-W2-OSL150 LOR=81%
Lamps: 1 x Osram OSL150 109lm 150mA



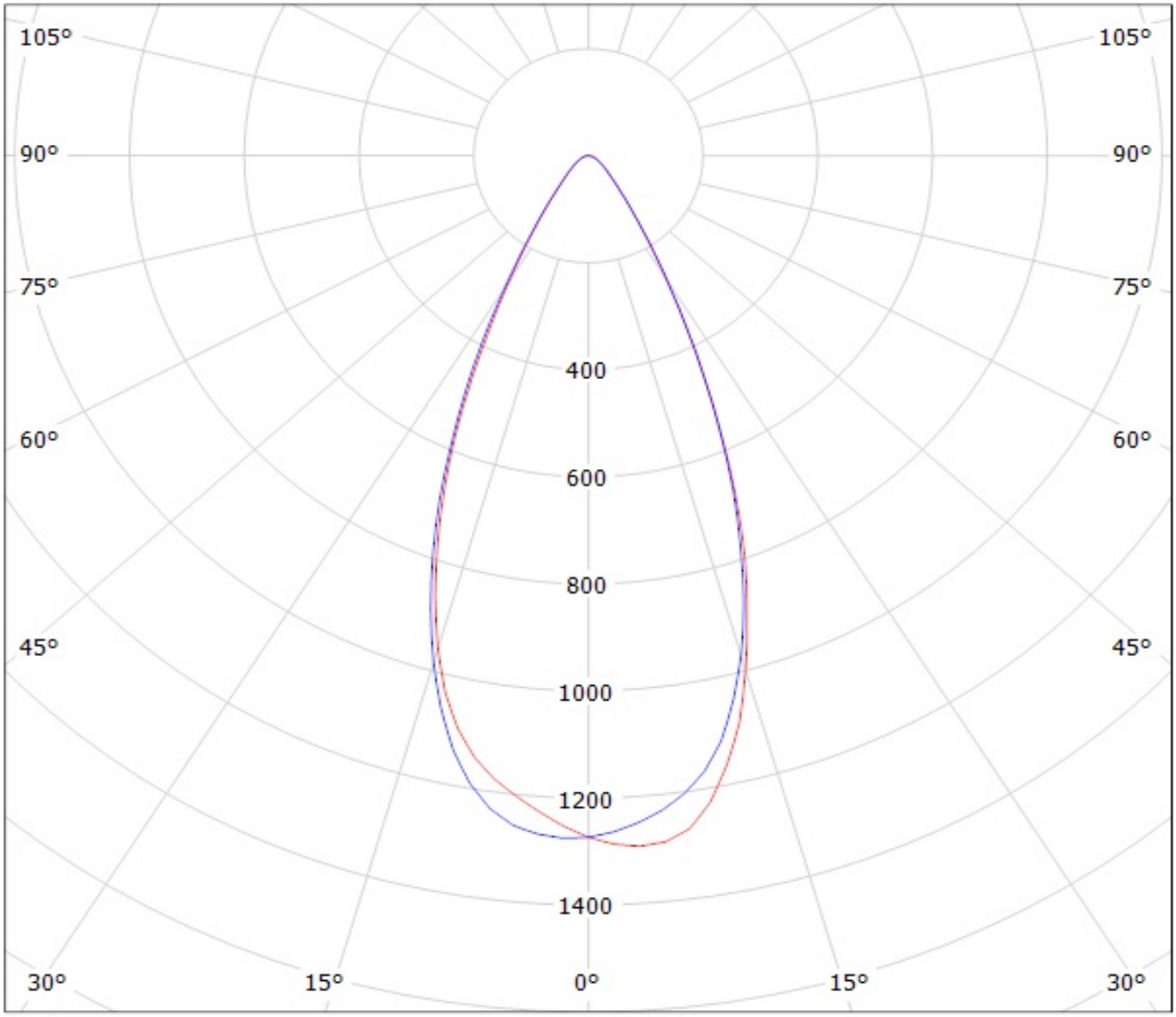
Luminaire: Ledil Oy CA12079_Heidi-W2-OSL LOR=80%
Lamps: 1 x Osram OSL80 250mA 85lm



Luminaire: Ledil CA12079_HEIDI-W2_(Fortimo_FastFlex_LED_board 2x8-757_DS_G3)
Lamps: 1 x Philips_Fortimo_FastFlex_LED_board 2x8/757_DS_G3_(XP-G2)
_3428.78lm@500mA_P=23.7W_I=0.5A



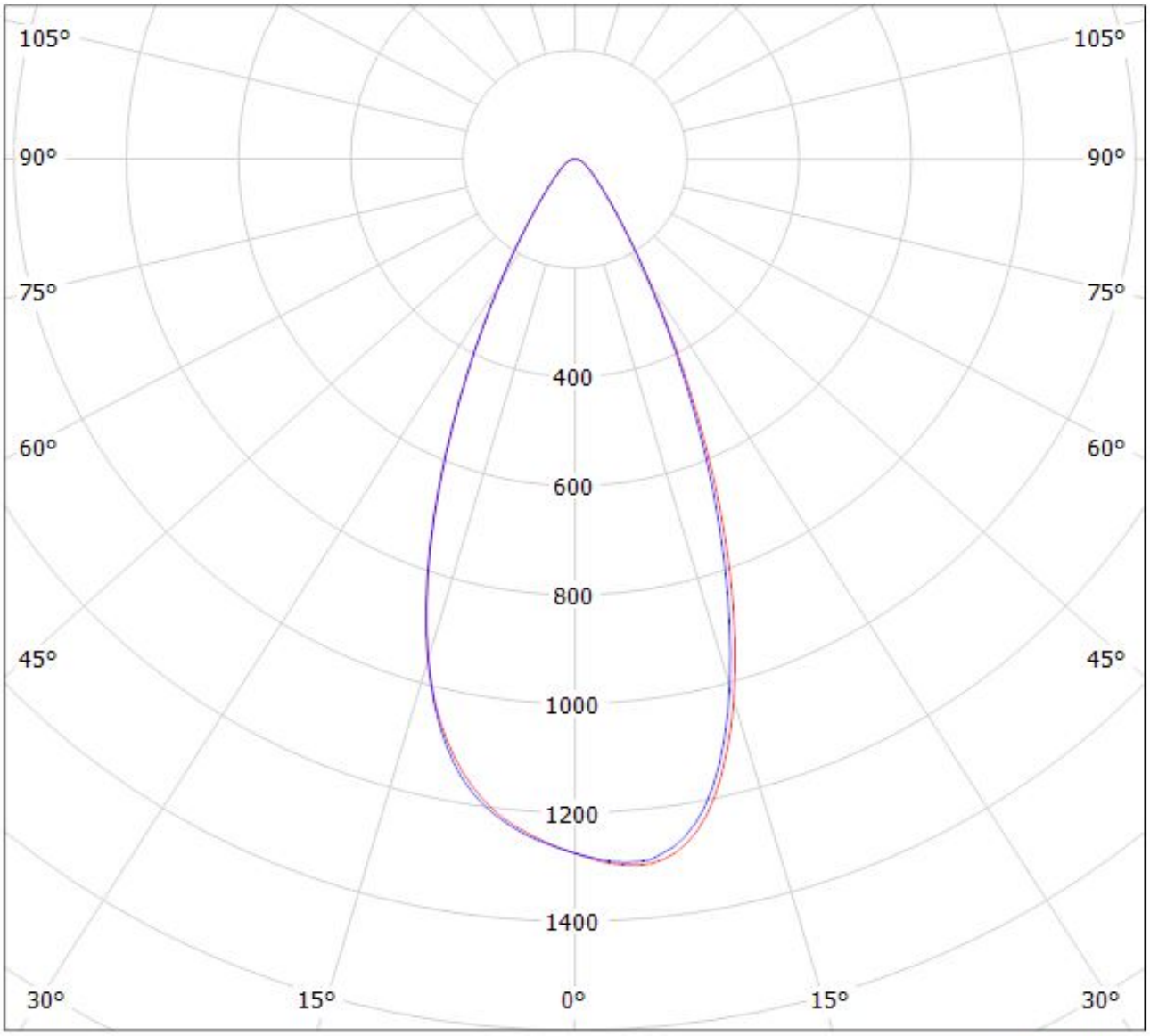
Luminaire: Ledil Oy CA12079_HEIDI-W2_(LH351Z) Efficiency=82%
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



cd/klm

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CA12079_HEIDI-W2_(Seoul_Z5M1)
Lamps: 1 x Seoul_Z5M1_107.648lm@250mA_CCT=9074K_P=0.739754W_I=249.9mA



cd/klm

η = 83%

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.