

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 Compliant	Yes
Date Updated	13/06/2016



OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
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	-
Oslo SSL 150	40 deg	W2	81 %	1.210	-
Oslo SSL 80	47 deg	W2	80 %	1.000	-
Oslo Square EC	sim: 48	W2	-	sim: 1.600	-
Fortimo FastFlex LED board 2x8/757 DS	43 deg	W2	81 %	1.300	-
LH351Z	46 deg	W2	82 %	1.300	-
Z5	44 deg	W2	76 %	1.240	-



PRODUCT DATASHEET

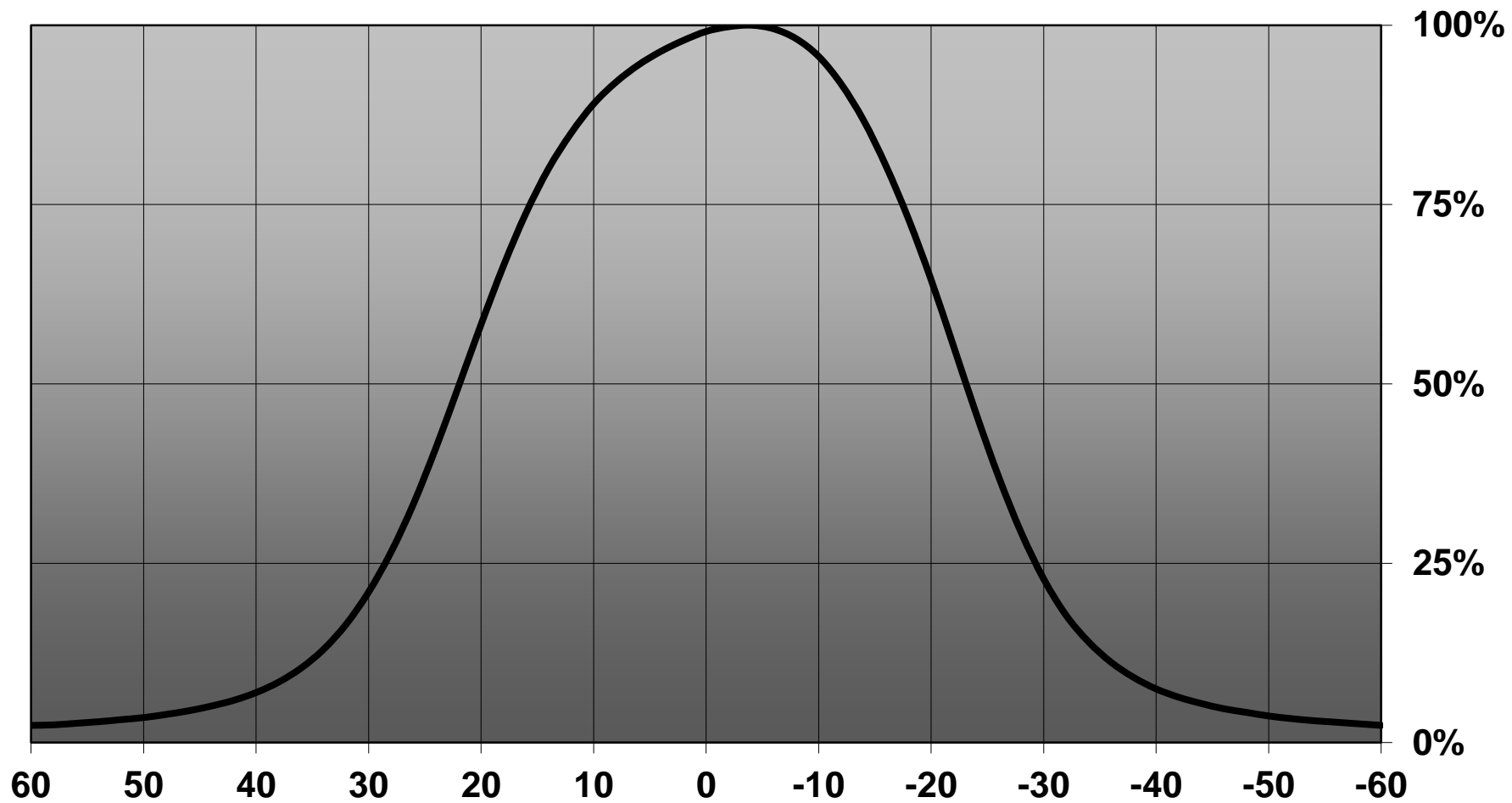
Heidi series

last update 13/6/2016

OPTICAL PROPERTIES

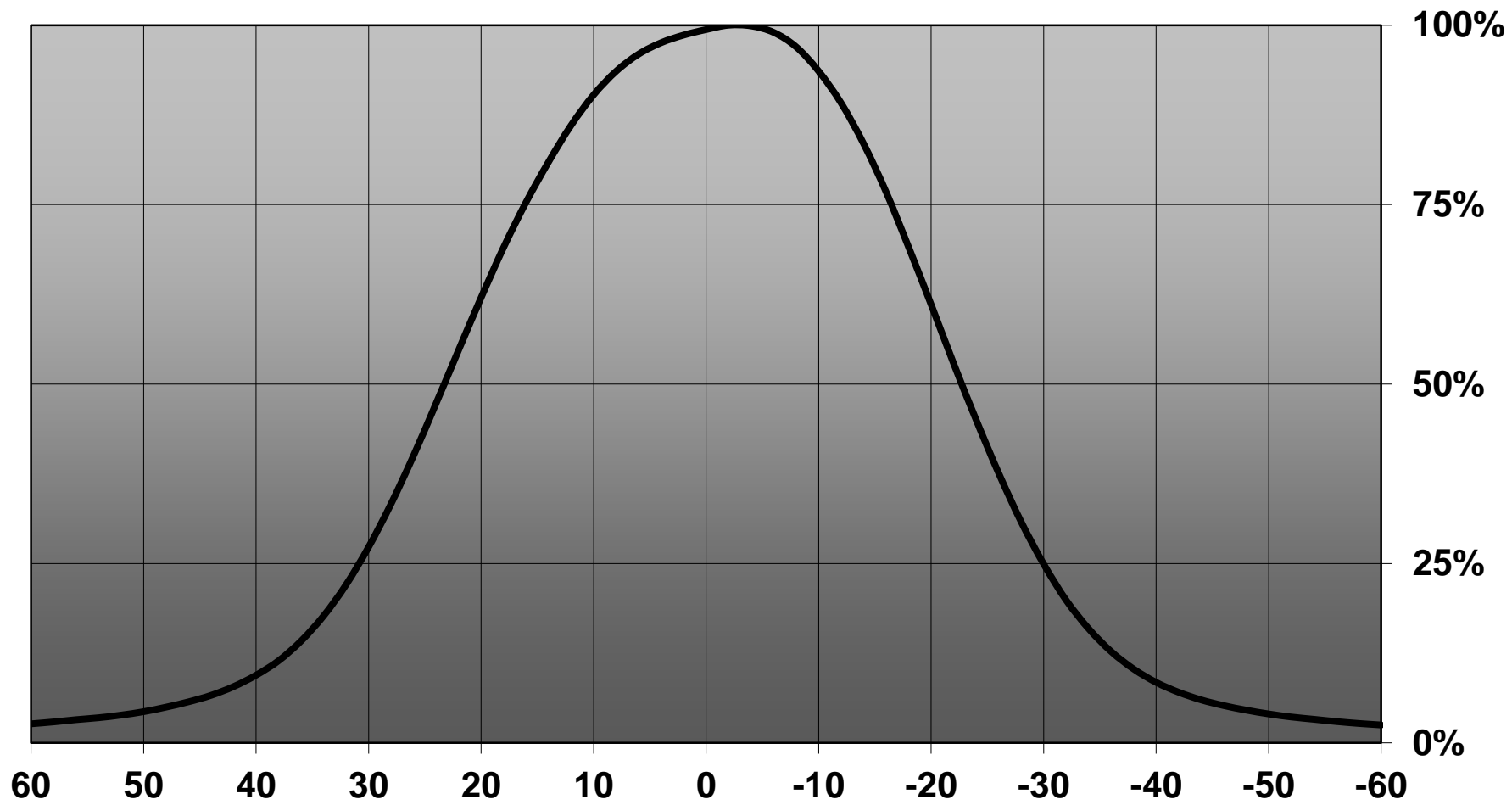
LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
Z5M1/Z5M2	44 deg	W2	83 %	1.320	-
Double Dome (GM2BB)	44 deg	W2	-	-	-

Relative intensity of CA12079_HEIDI-W2_(XB-H)

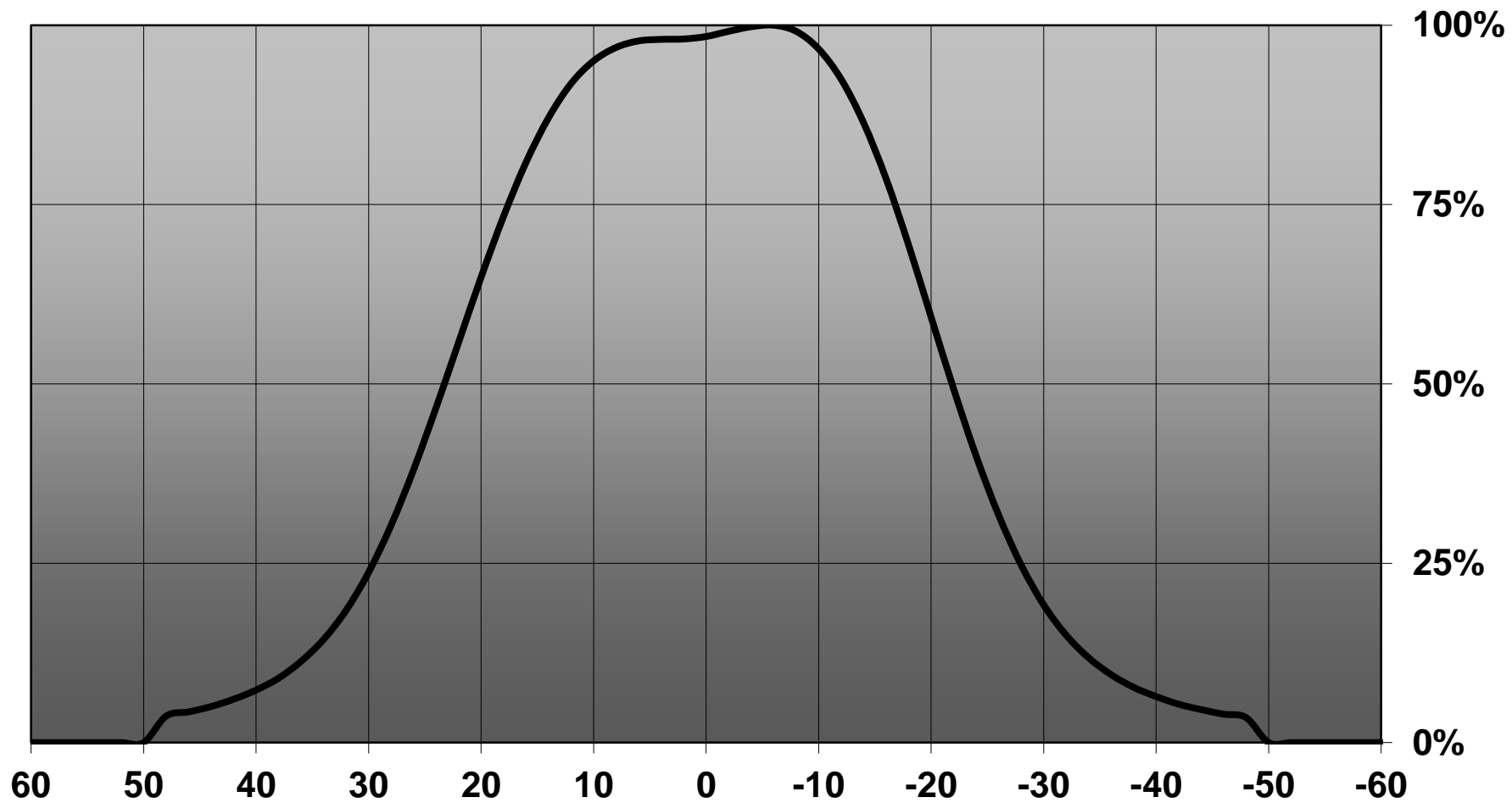


— C1 0-180

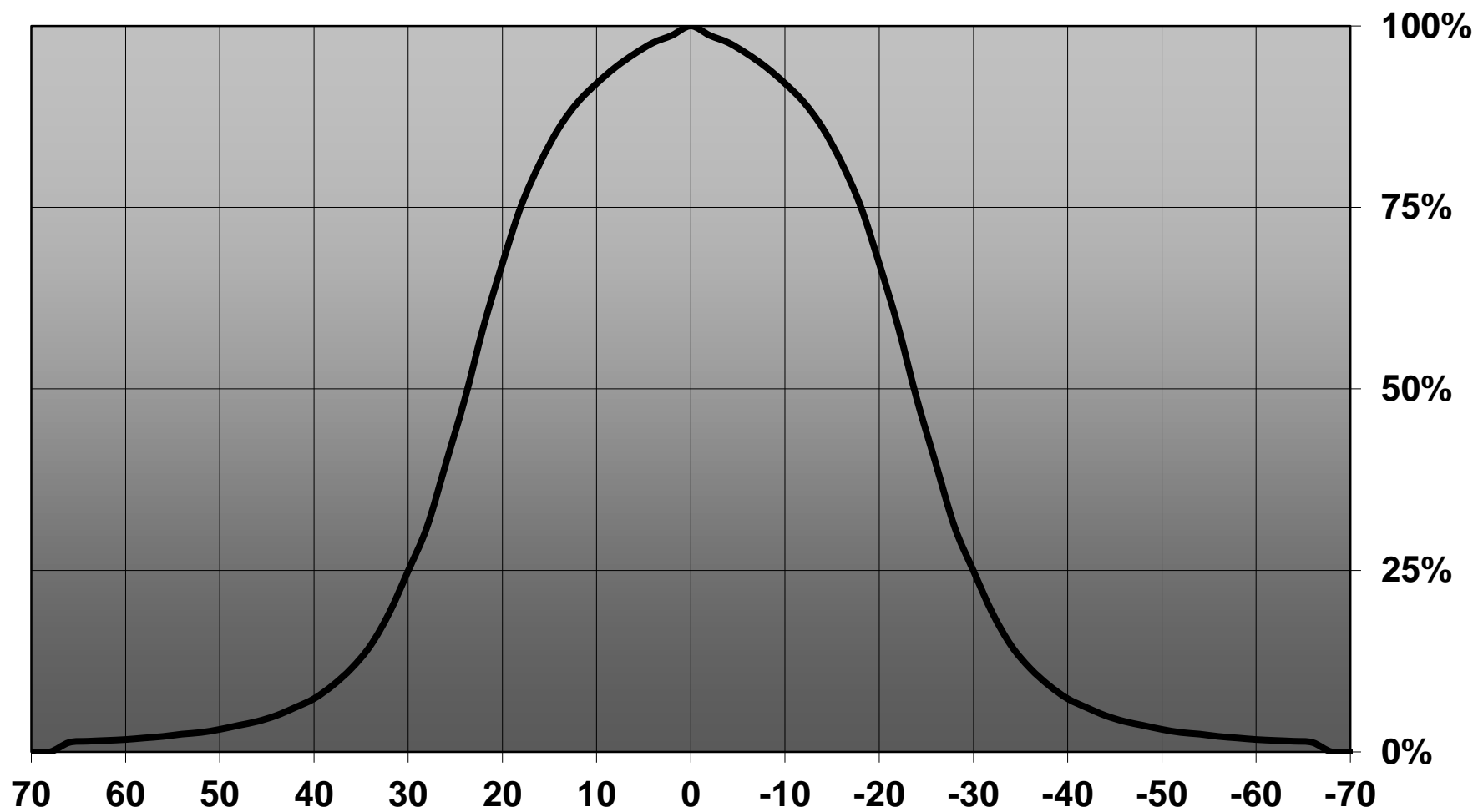
Relative intensity of CA12079_HEIDI-W2_(XHP35_HD)



Relative intensity of CA12079_HEIDI-W2_(XPH35_HI)



Relative intensity of CA12079_Heidi-W2-RE



D

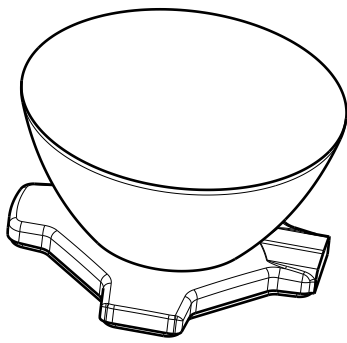
C

B

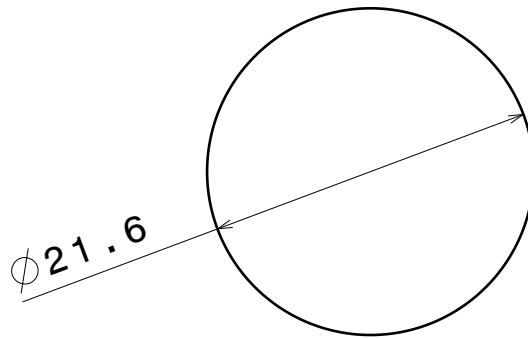
A

4

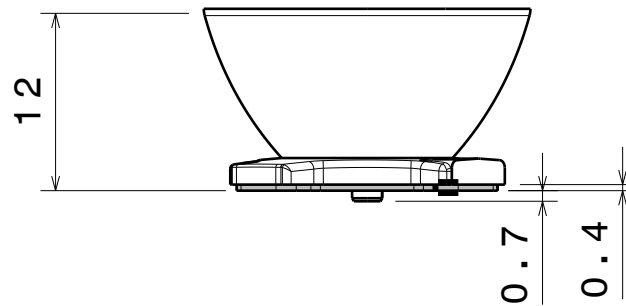
4



Isometric view



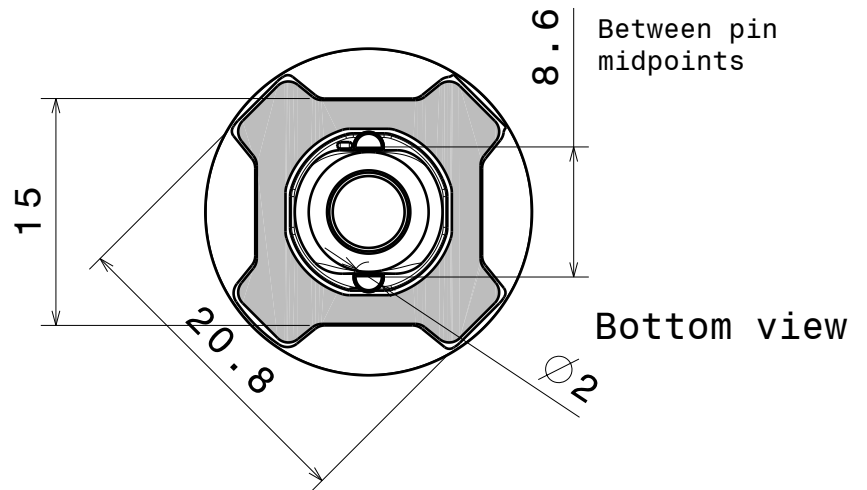
Top view



Front view

3

3



Bottom view

2

2

Material:
 Lens PMMA
 Tape PU Foam

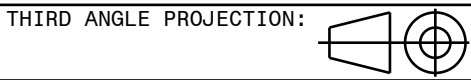
Part no.s:
 CA11264_Heidi-D
 CA11265_Heidi-M
 CA11266_Heidi-O
 CA11267_Heidi-O-90

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 LediL Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

1

1



DRAWING TITLE
Datasheet_Heidi-W2

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

SIZE	PART NUMBER		
A4			

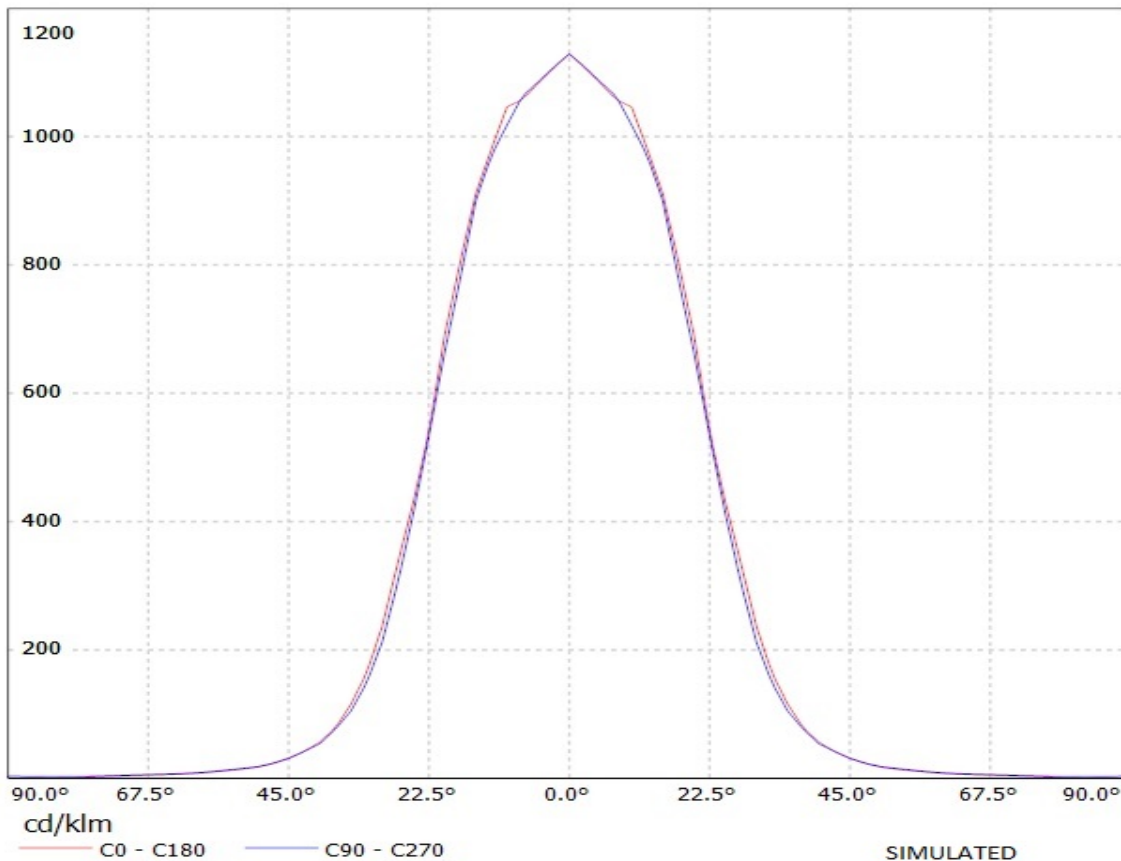
SCALE	1:1	WEIGHT	(g)	SHEET	1/1
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D

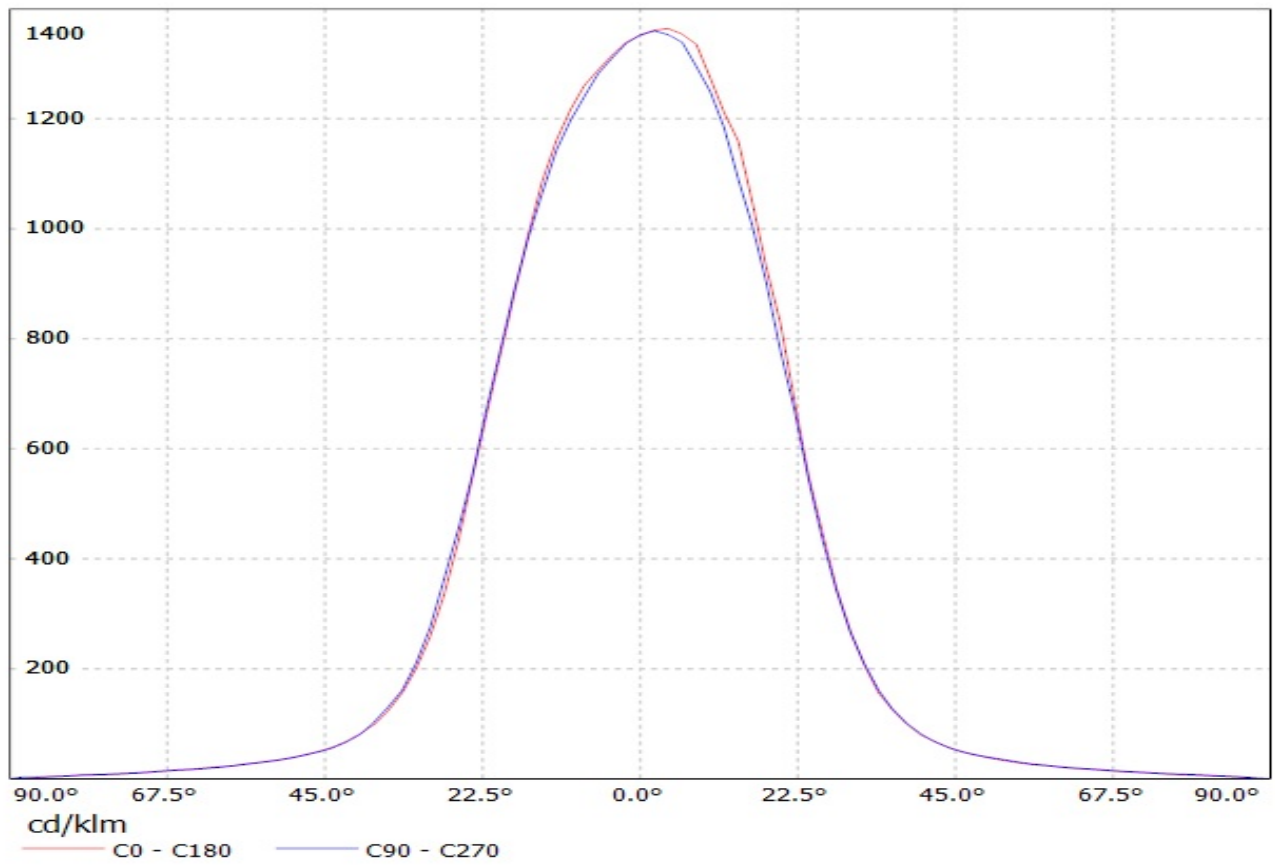
A

Ledil Oy CA12079_Heidi-W2-XP LOR= 81% / LDC (Linear)

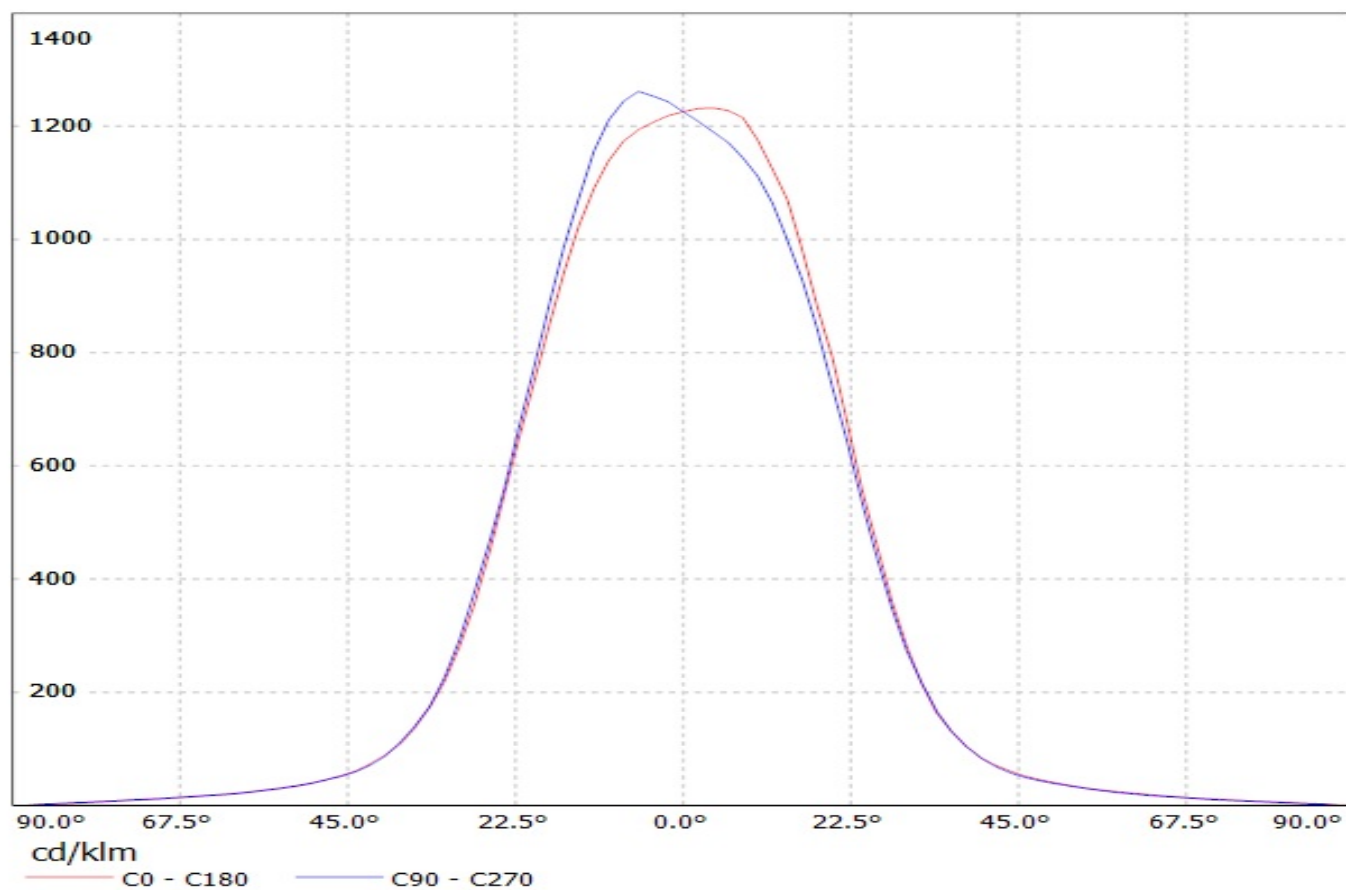
Luminaire: Ledil Oy CA12079_Heidi-W2-XP LOR= 81%
Lamps: 1 x Cree XP-E 72lm 250mA



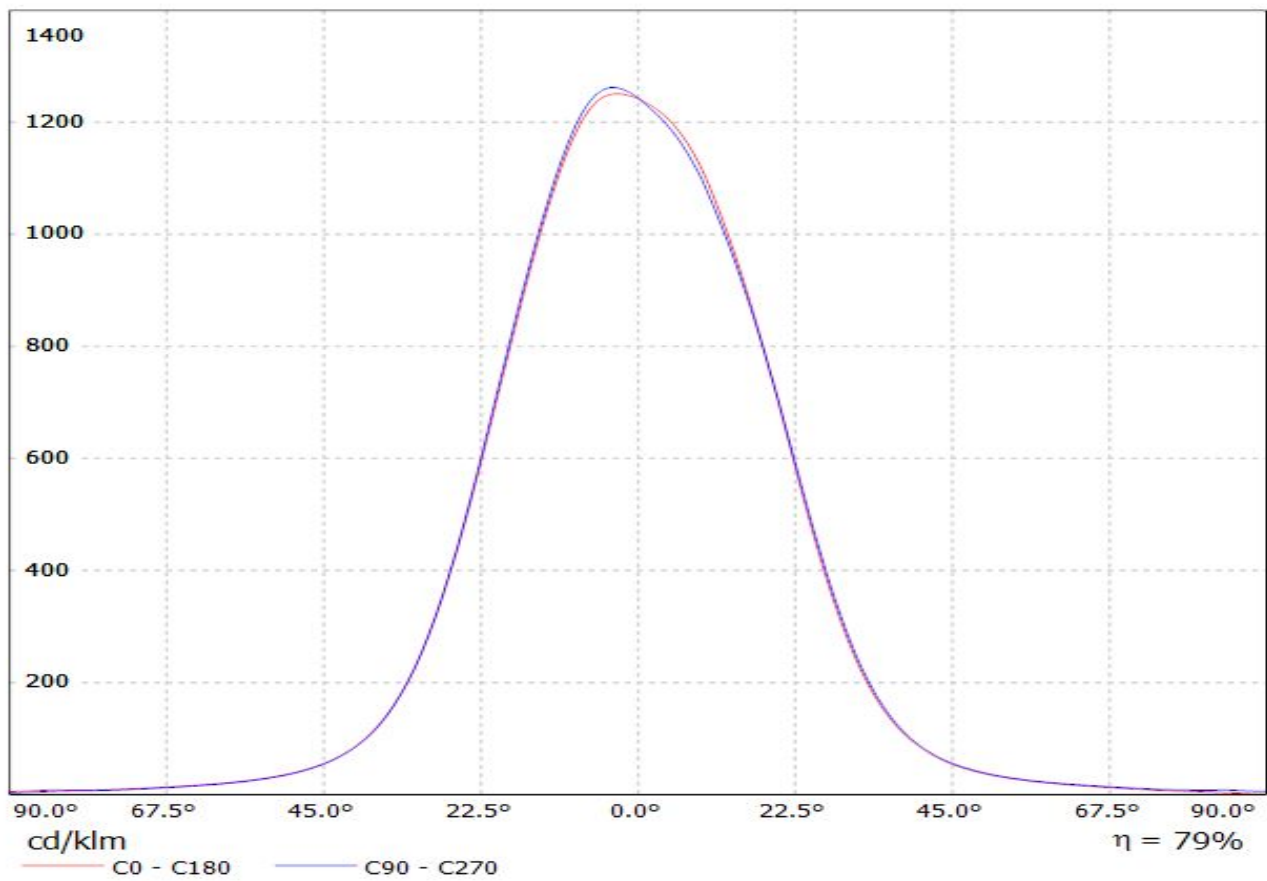
Luminaire: Ledil Oy CA12079 HEIDI-W2_(XP-E2) Efficiency=81%
Lamps: 1 x Cree XP-E2 (92lm @ 250mA) CCT=5500K P=0.8W I=250mA



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

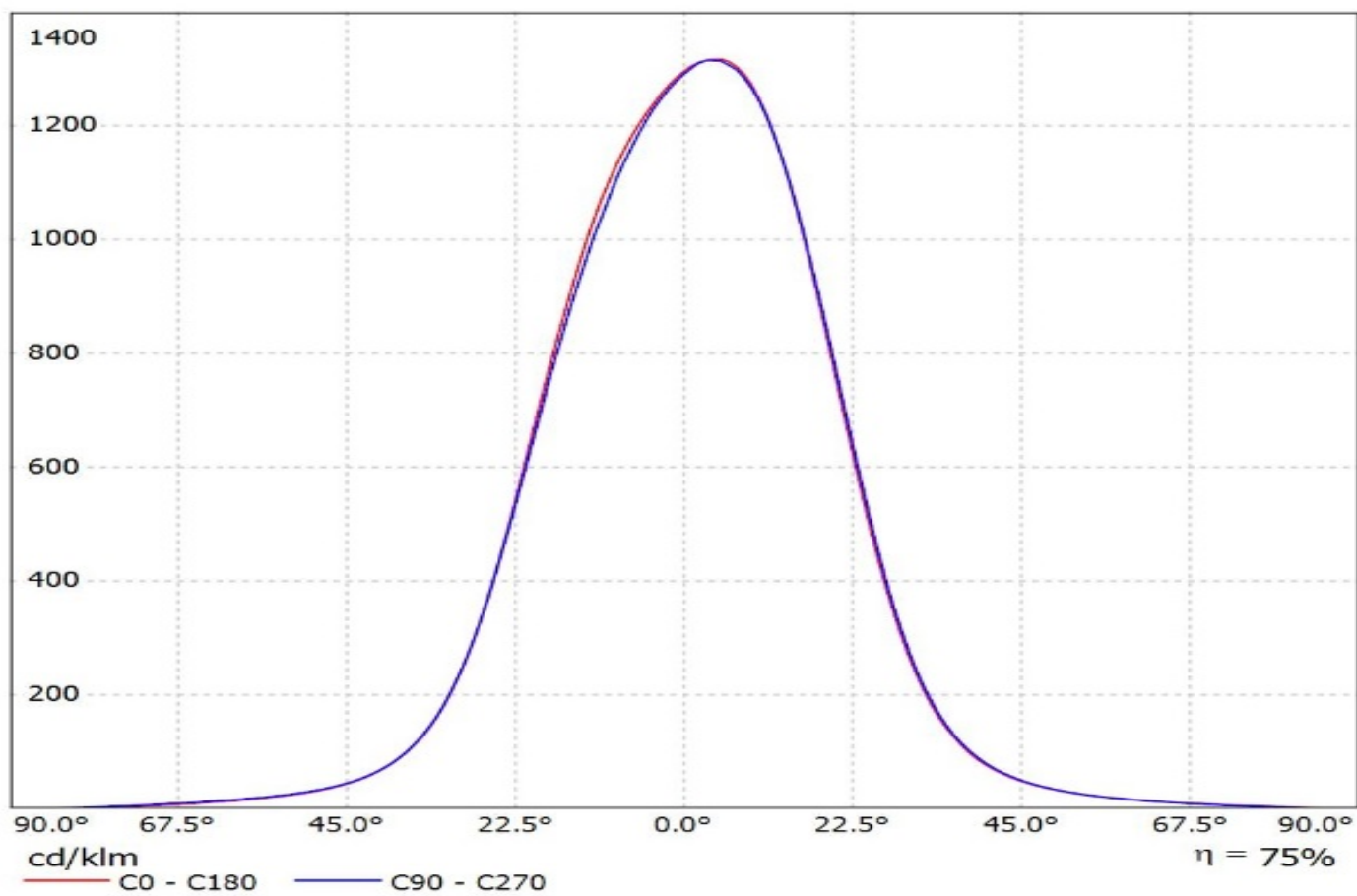


Luminaire: LEDiL Oy CA12079_HEIDI-W2 (XP-L) Eff.79.1%
Lamps: 1 x Cree_XP-L_127.813lm@250mA_P=0.73723W_I=249.9mA

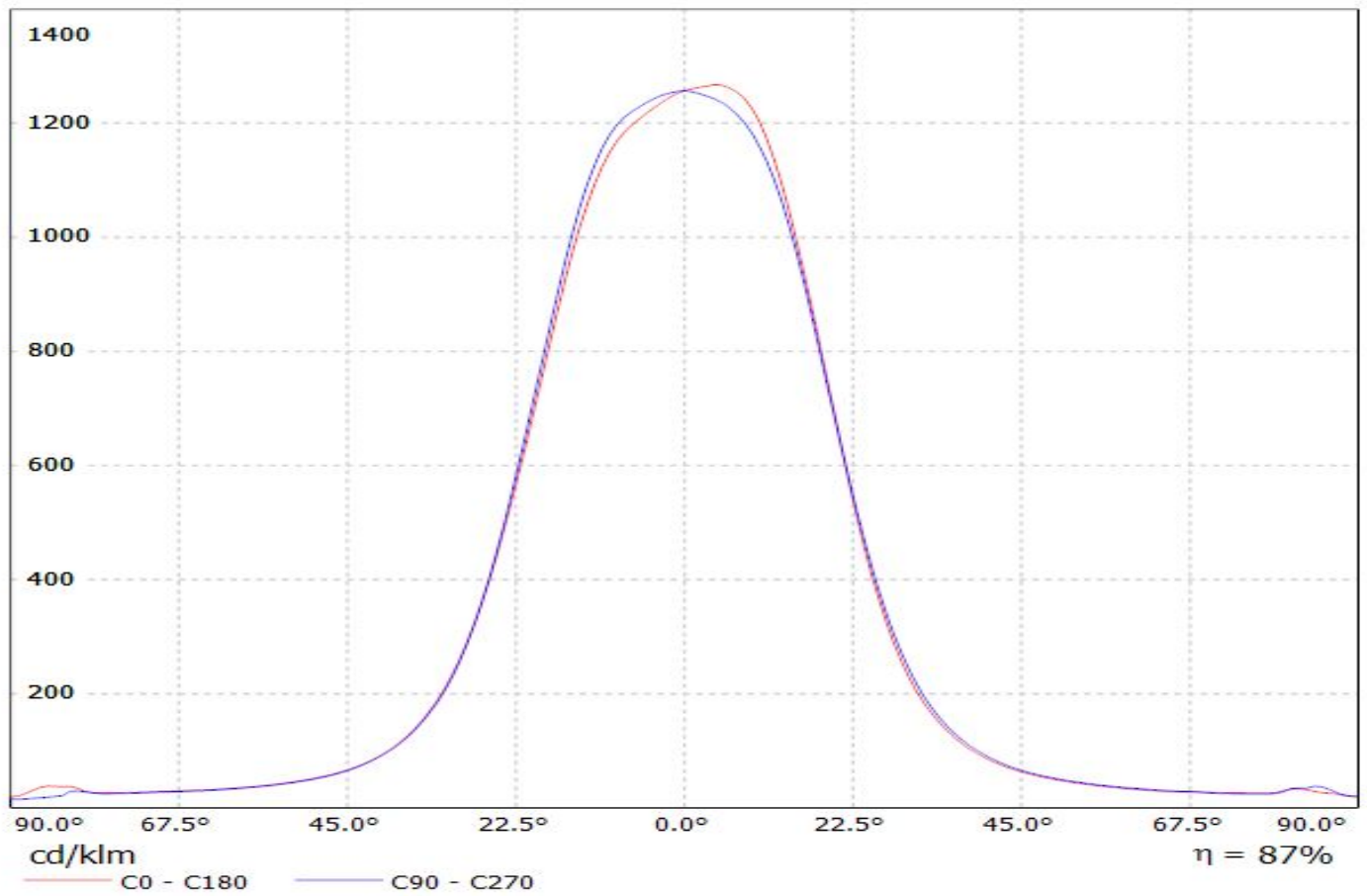


Luminaire: Ledil CA12079_HEIDI-W2_(XT-E)

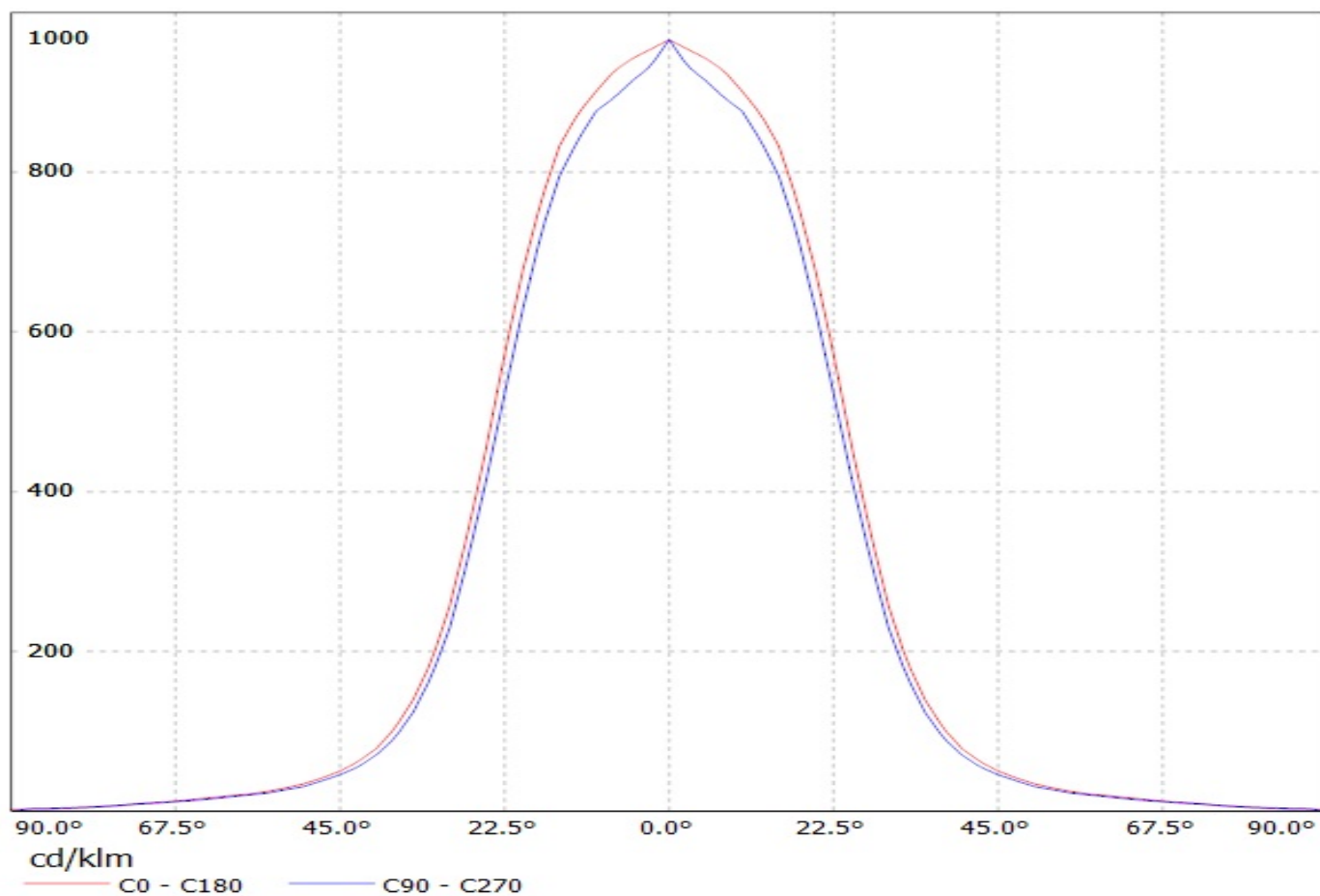
Lamps: 1 x Cree_XT-E_(XTEAWT-00-0000-00000HBE8)_74.3774lm@250mA_P=0.784925W_I=0.2500A



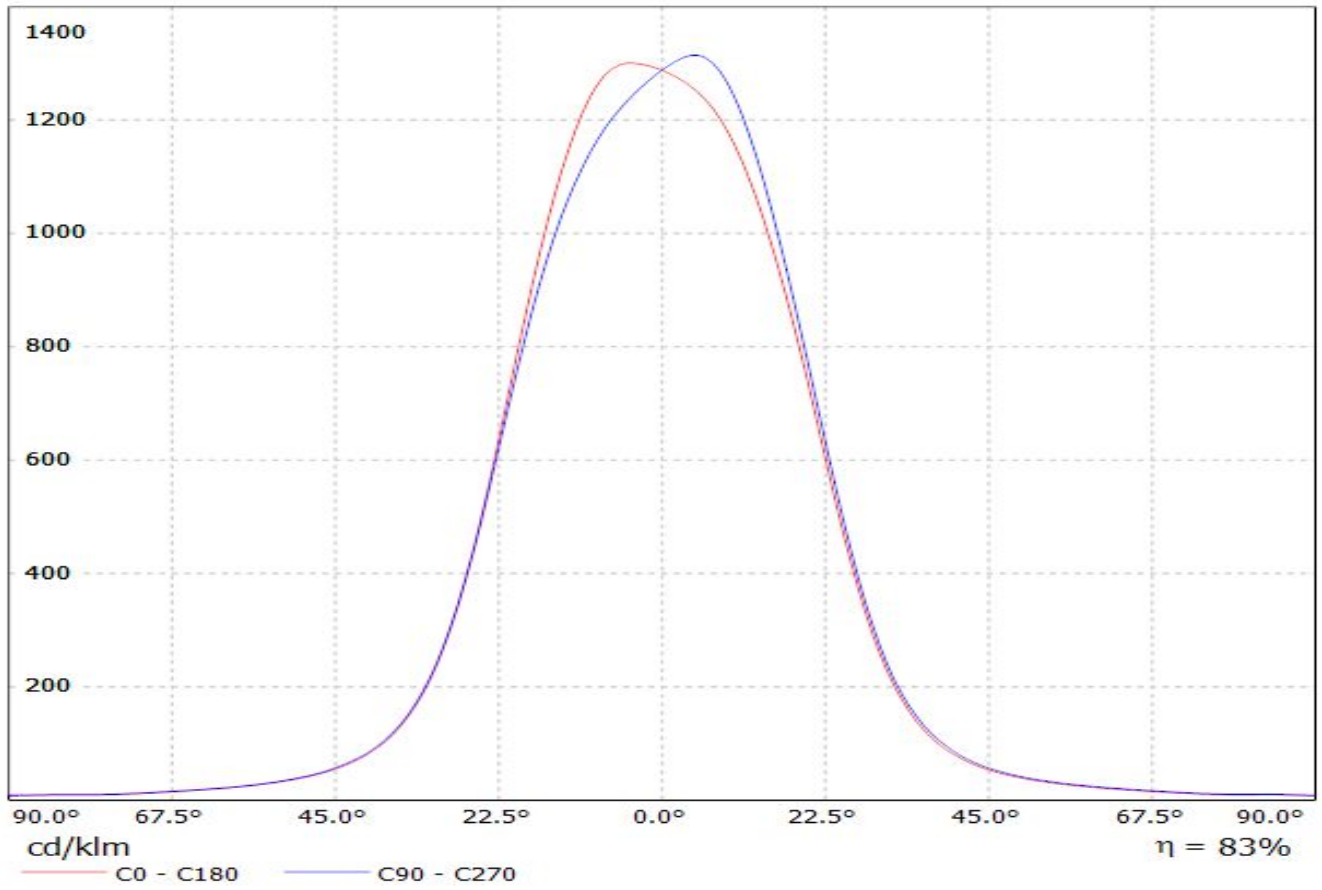
Luminaire: LEDiL Oy CA12079_HEIDI-W2_(XQ-E-HI)
Lamps: 1 x Cree_XQ-E_HI_100.602lm@250mA_P=0.744629W_I=0.25A



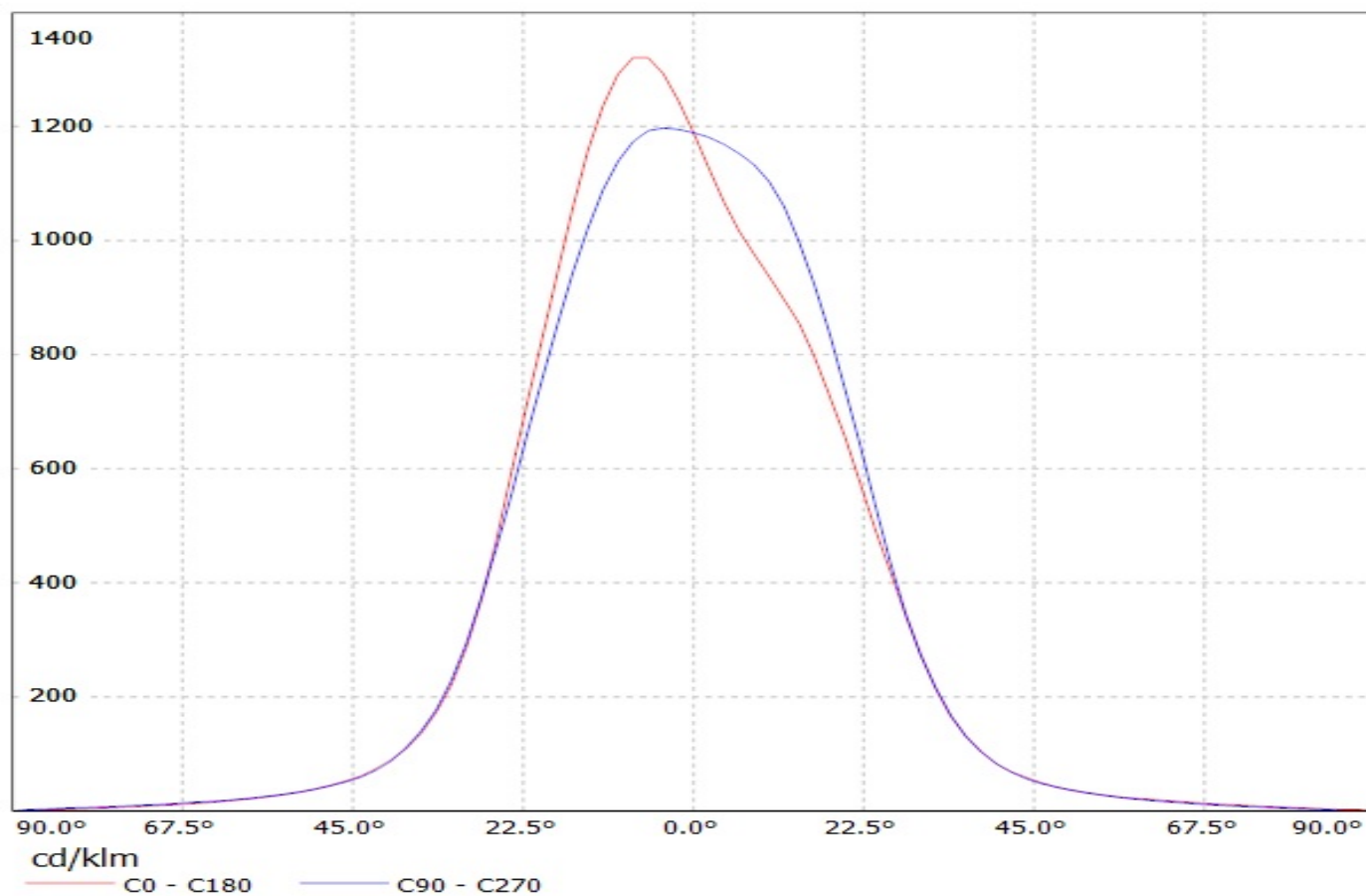
Luminaire: Ledil Oy CA12079_Heidi-W2-RE LOR=85%
Lamps: 1 x Luxeon Rebel 250mA 84lm



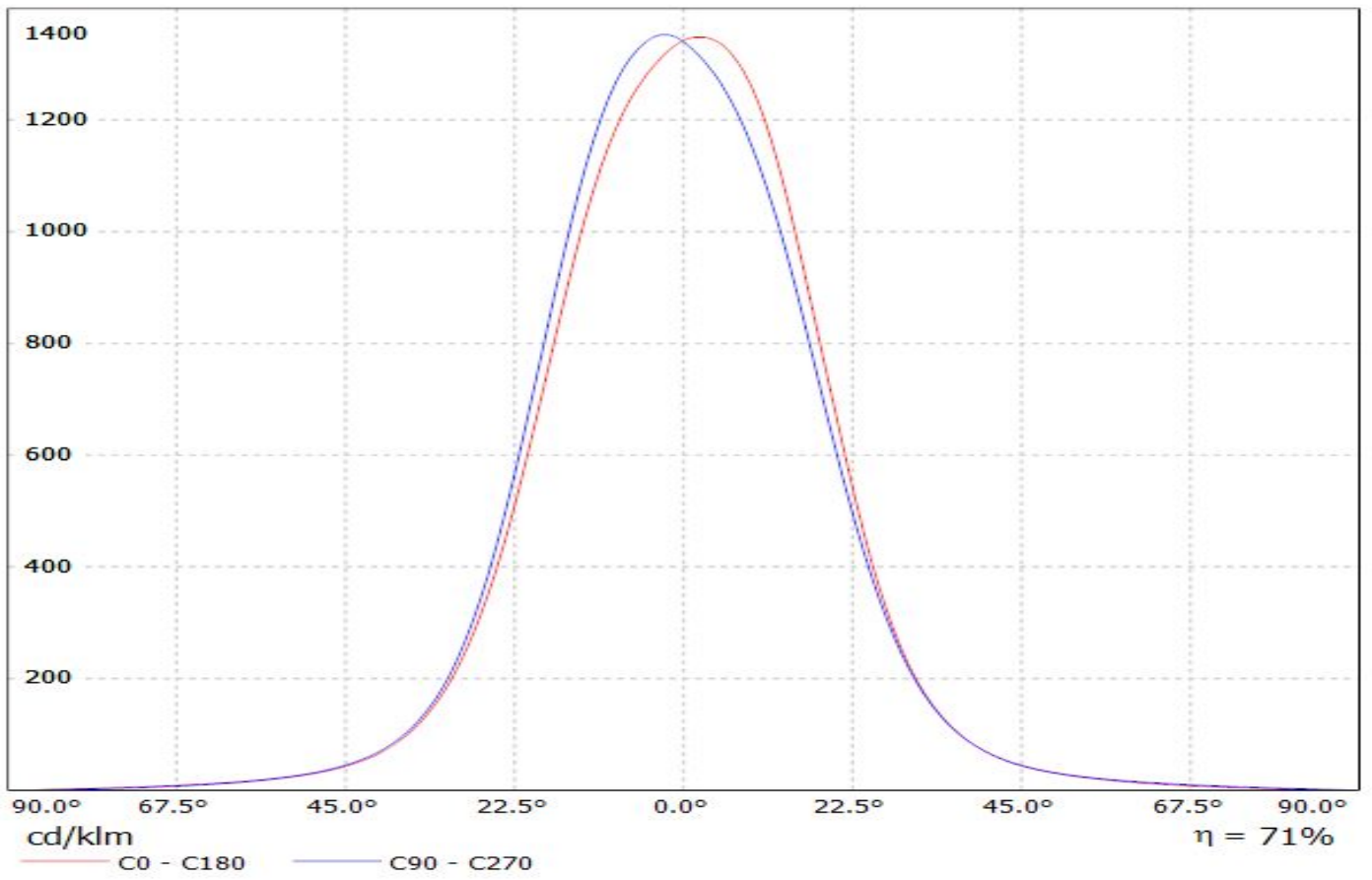
Luminaire: LEDiL Oy CA12079_HEIDI-W2_(LUXEON_T) Eff.83%
Lamps: 1 x LUXEON T (70lm@250mA)



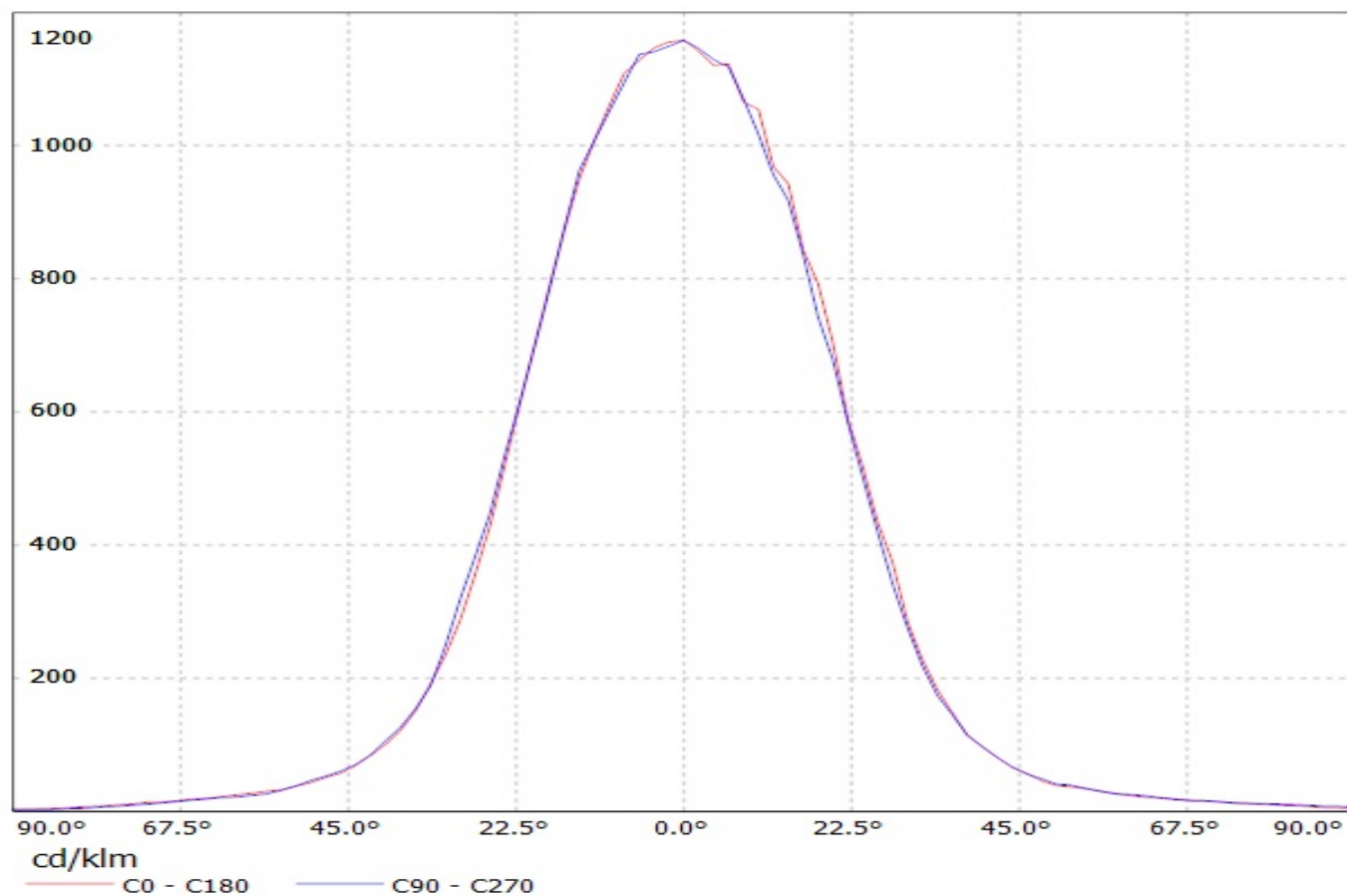
Luminaire: Ledil Oy CA12079_HEIDI-W2_(Luxeon_TX) Efficiency=78%
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA



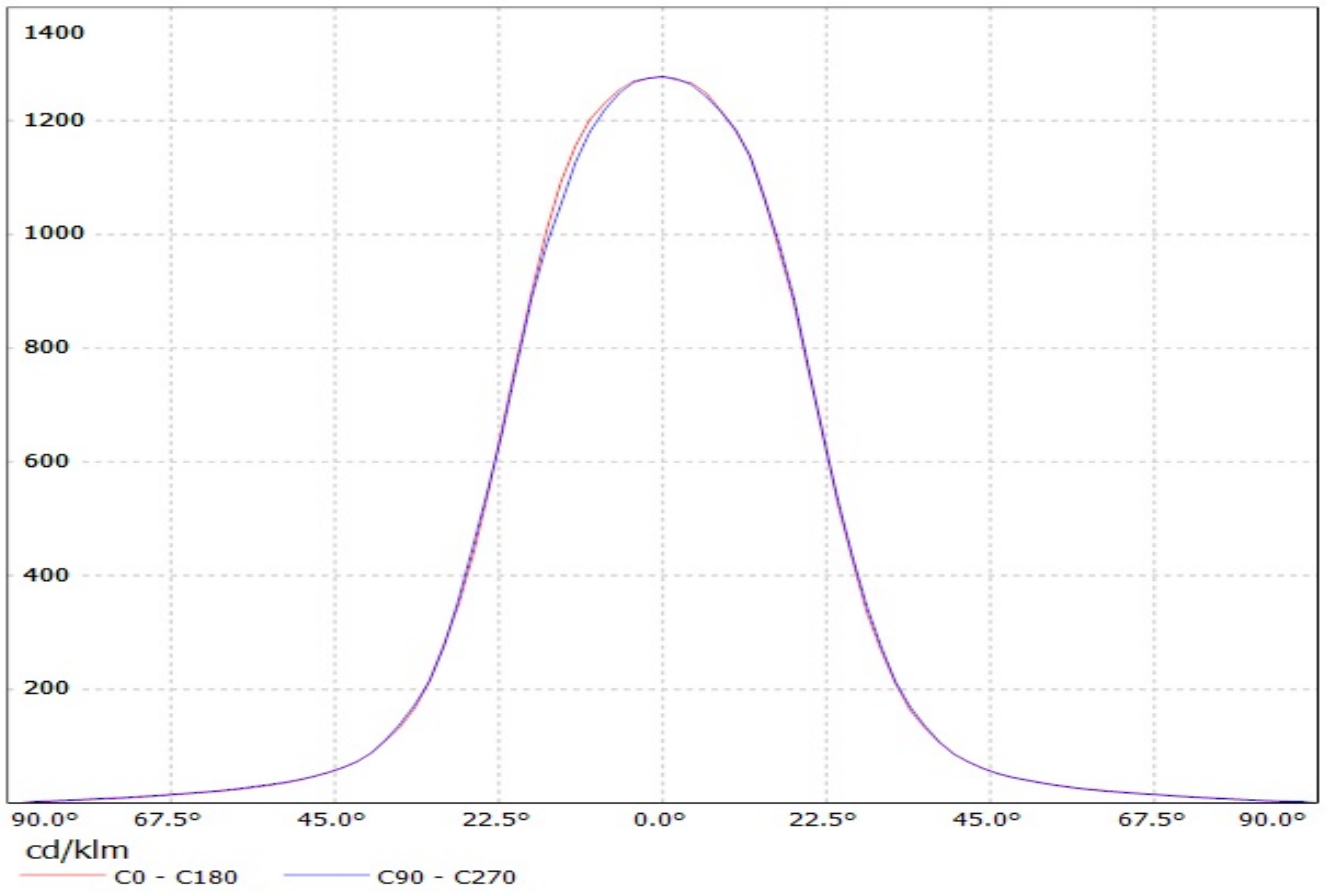
Luminaire: LEDiL Oy CA12079_HEIDI-W2_(Luxeon_C_WHITE)
Lamps: 1 x Luxeon_C_WHITE_84.6969lm@250mA_P=0.7410W_I=0.250A



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

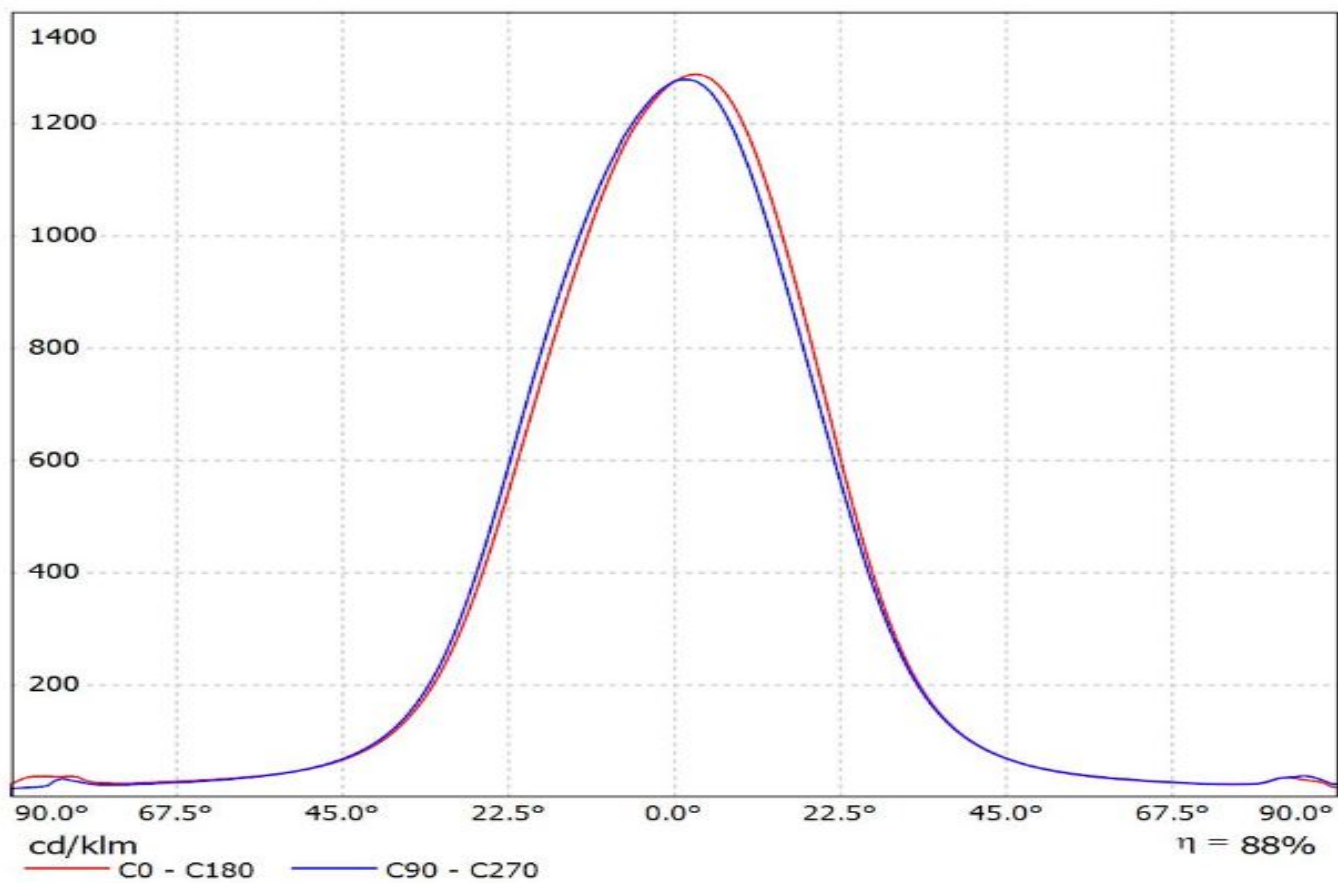


Luminaire: Ledil Oy CA12079_HEIDI-W2_(NCSxx19B) Efficiency=78%
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



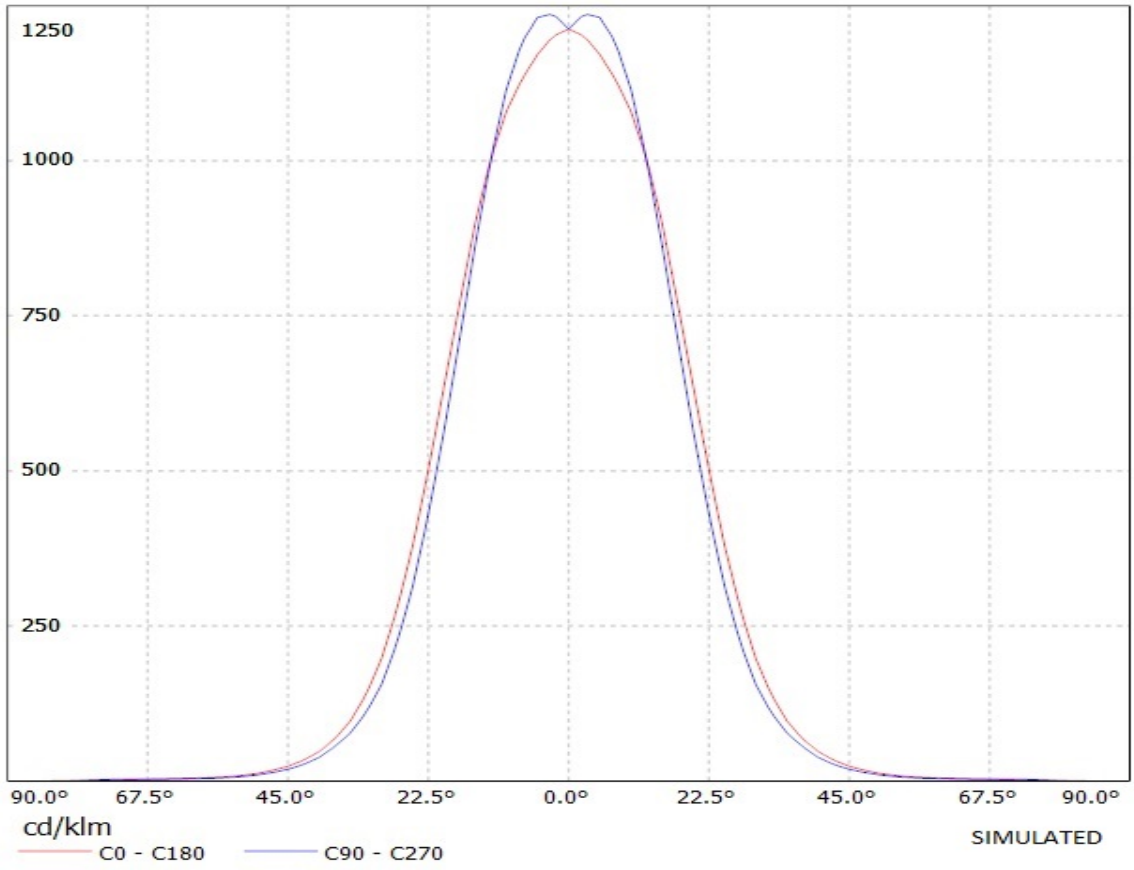
Luminaire: LEDiL Oy CA12079_HEIDI-W2_(NVSW3x9A)

Lamps: 1 x Nichia_NVSW3x9A_(sm405/R70)_122.259lm@250mA_P=0.705535W_I=0.250A



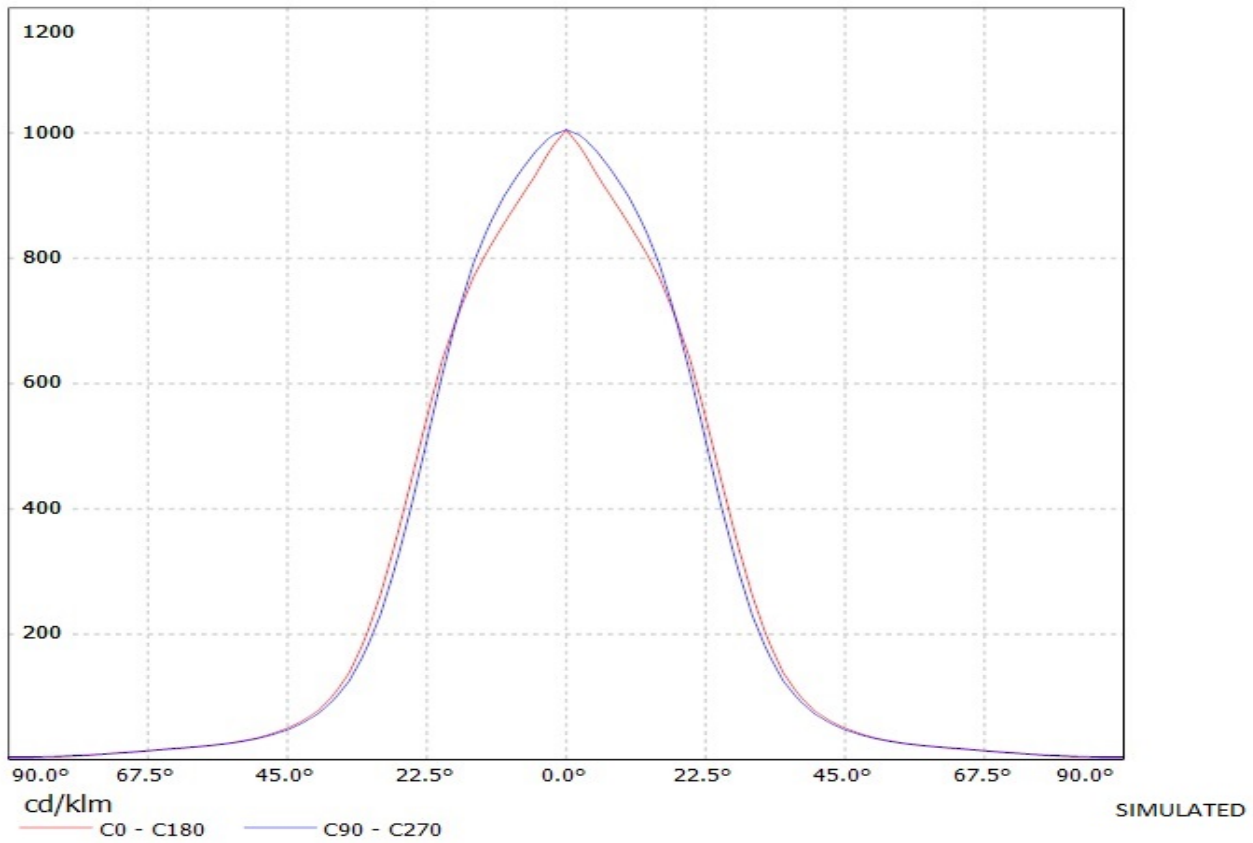
Ledil Oy CA12079_Heidi-W2-OSL150 LOR=81% / LDC (Linear)

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



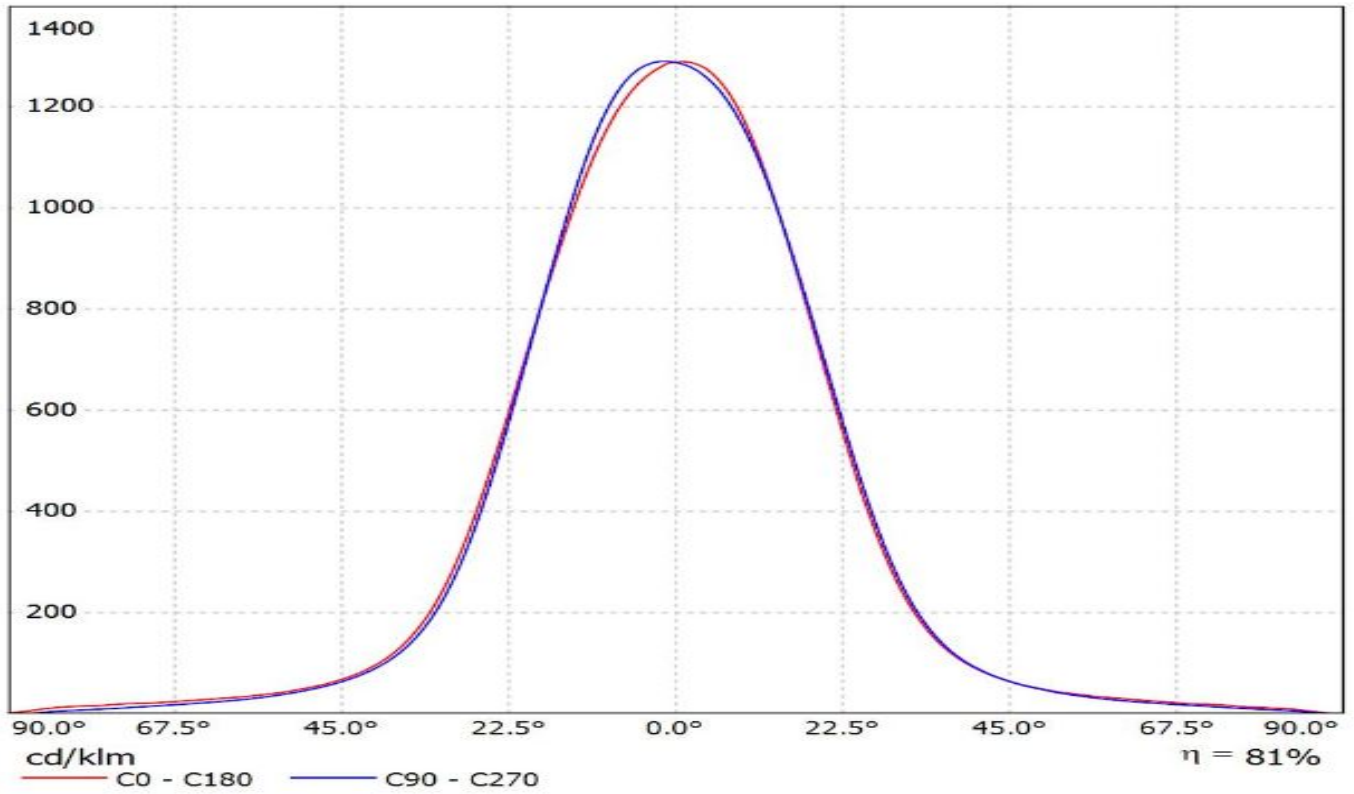
Ledil Oy CA12079_Heidi-W2-OSL LOR=80% / LDC (Linear)

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

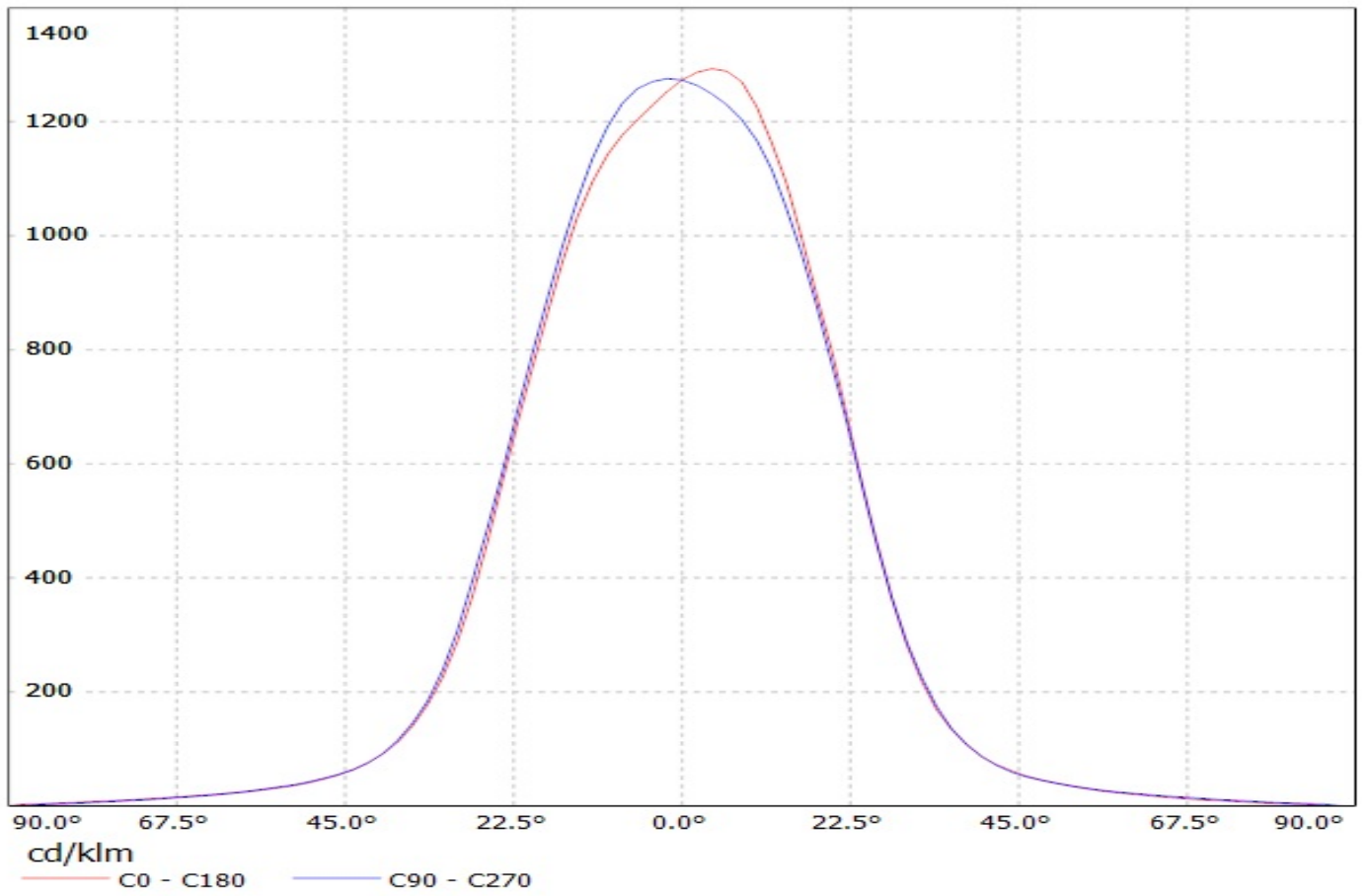


**Ledil CA12079_HEIDI-W2_(Fortimo_FastFlex_LED_board 2x8-757_DS_G3) /
LDC (Linear)**

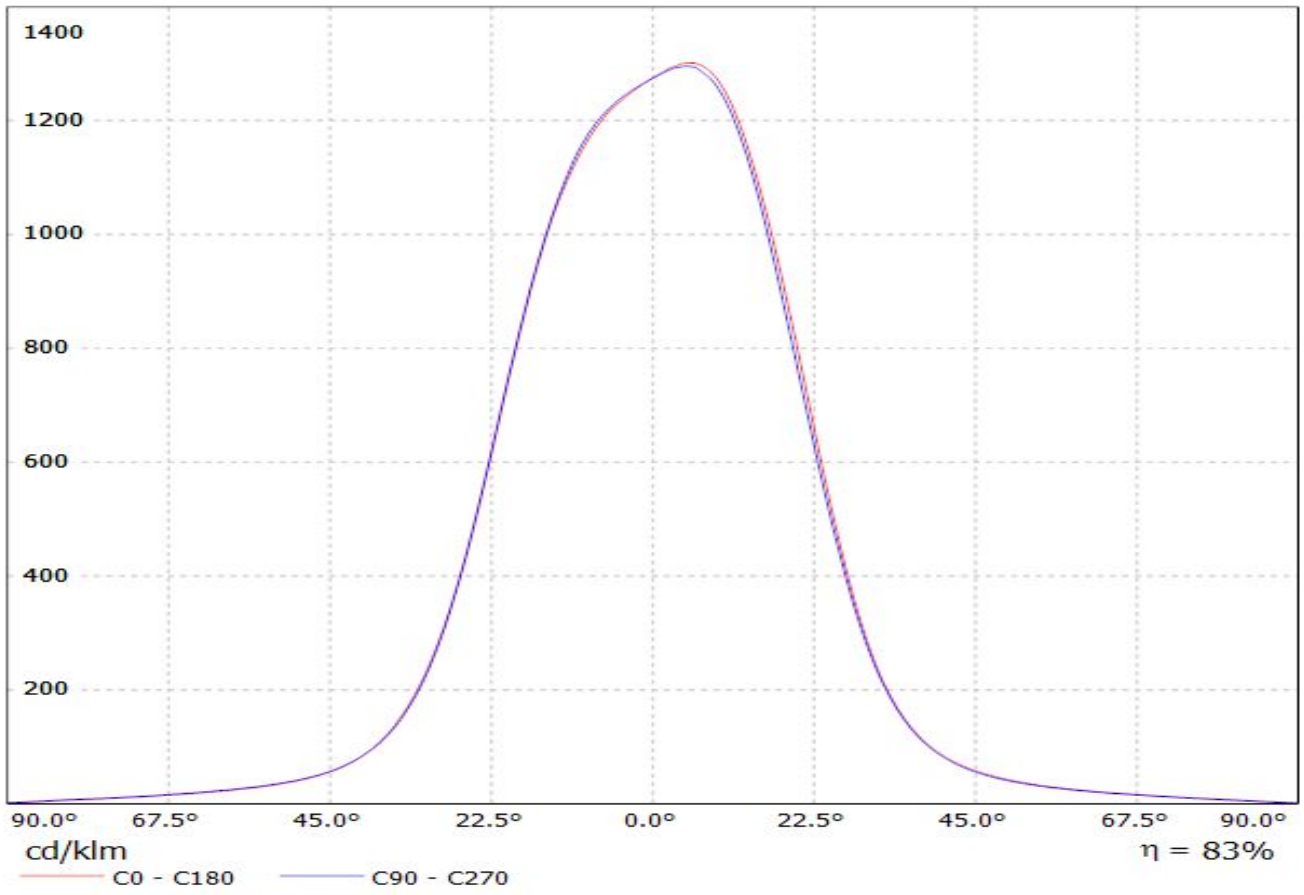
Luminaire: Ledil CA12079_HEIDI-W2_(Fortimo_FastFlex_LED_board 2x8-757_DS_G3)
Lamps: 1 x Philips_Fortimo_FastFlex_LED_board 2x8/757_DS_G3_(XP-G2)
_3428.78lm@500mA_P=23.7W_I=0.5A



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



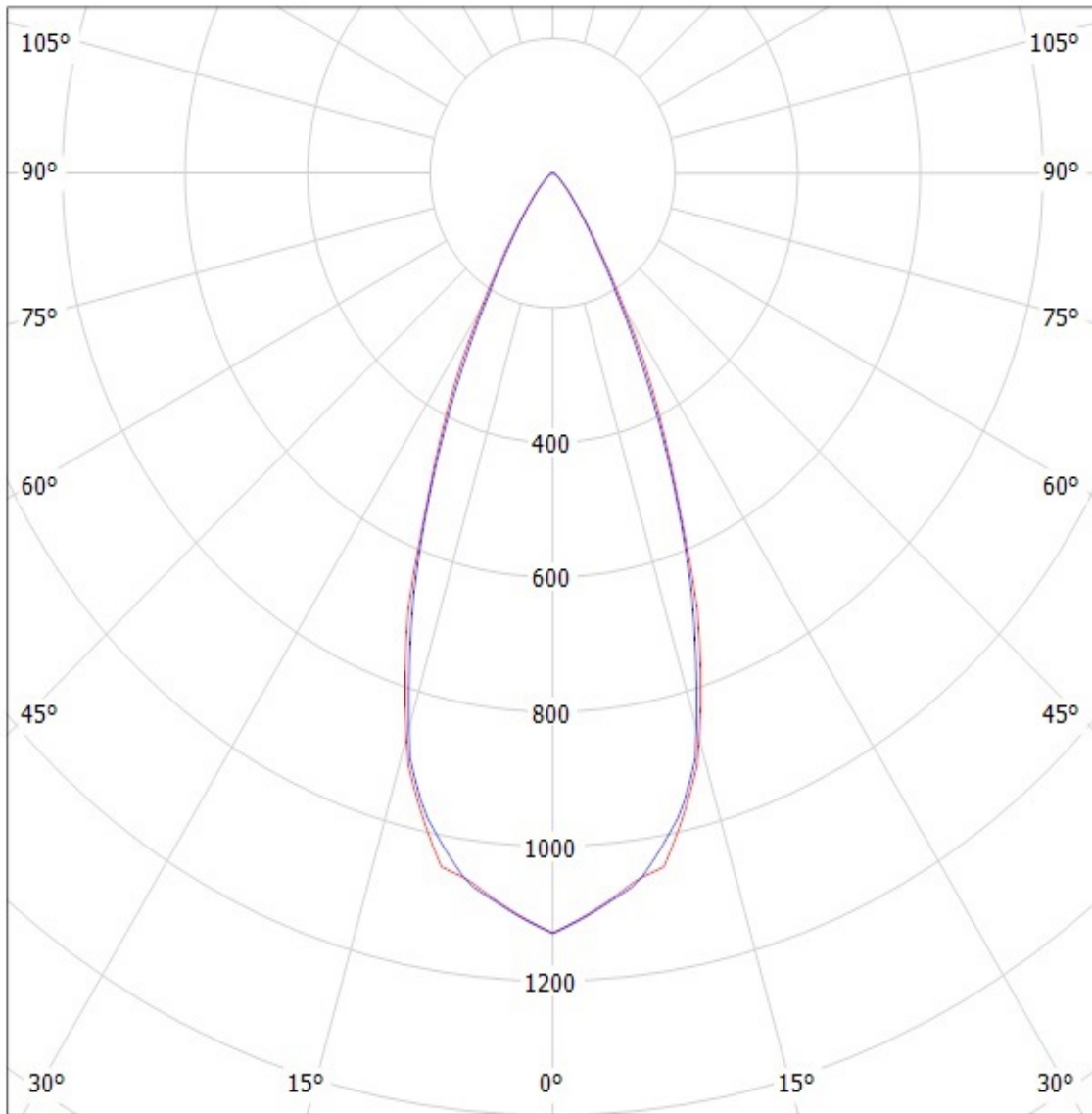
Luminaire: LEDiL Oy CA12079_HEIDI-W2_(Seoul_Z5M1)
Lamps: 1 x Seoul_Z5M1_107.648lm@250mA_CCT=9074K_P=0.739754W_I=249.9mA



Ledil Oy CA12079_Heidi-W2-XP LOR= 81% / LDC (Polar)

Luminaire: Ledil Oy CA12079_Heidi-W2-XP LOR= 81%

Lamps: 1 x Cree XP-E 72lm 250mA



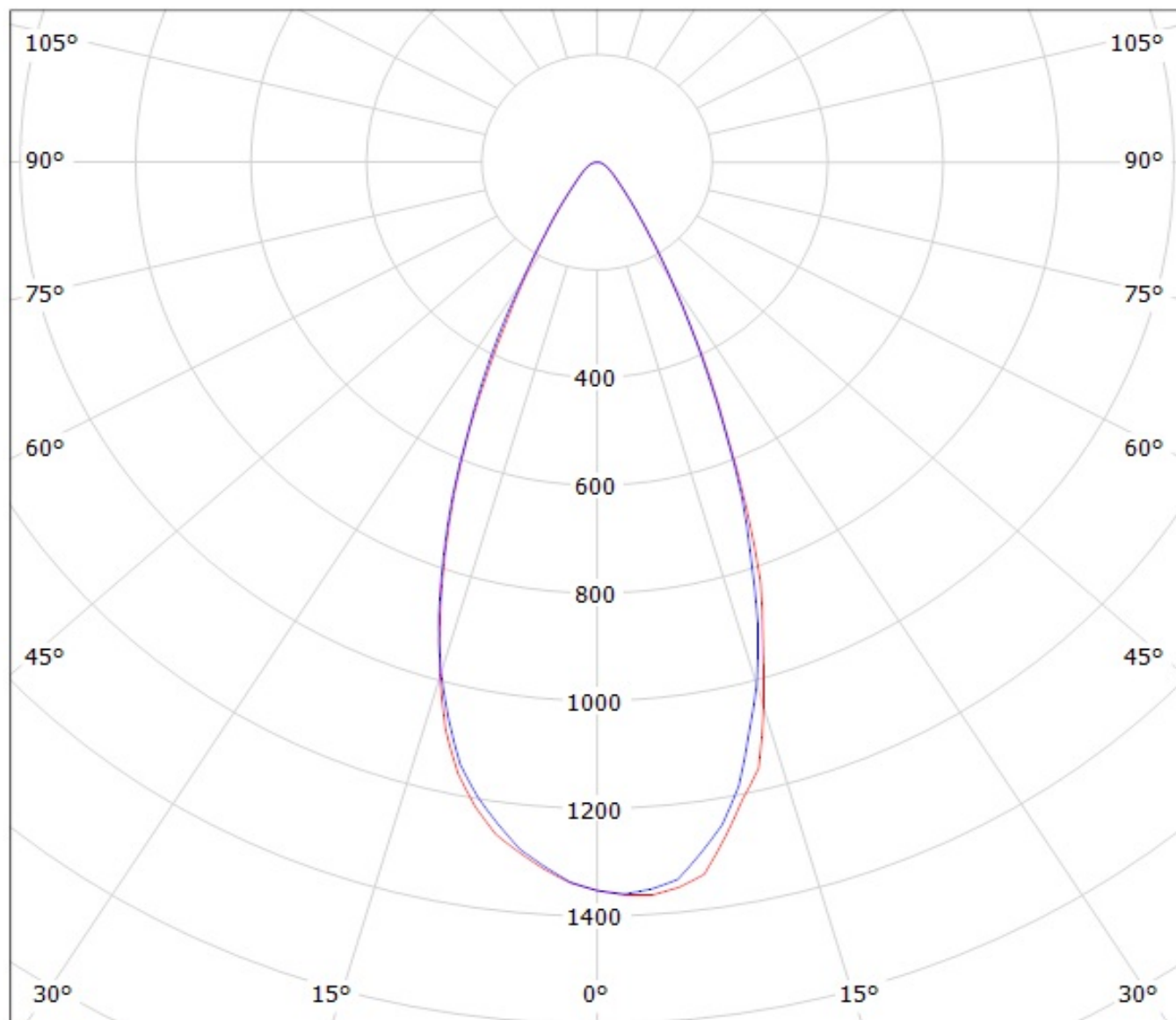
cd/klm

— 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

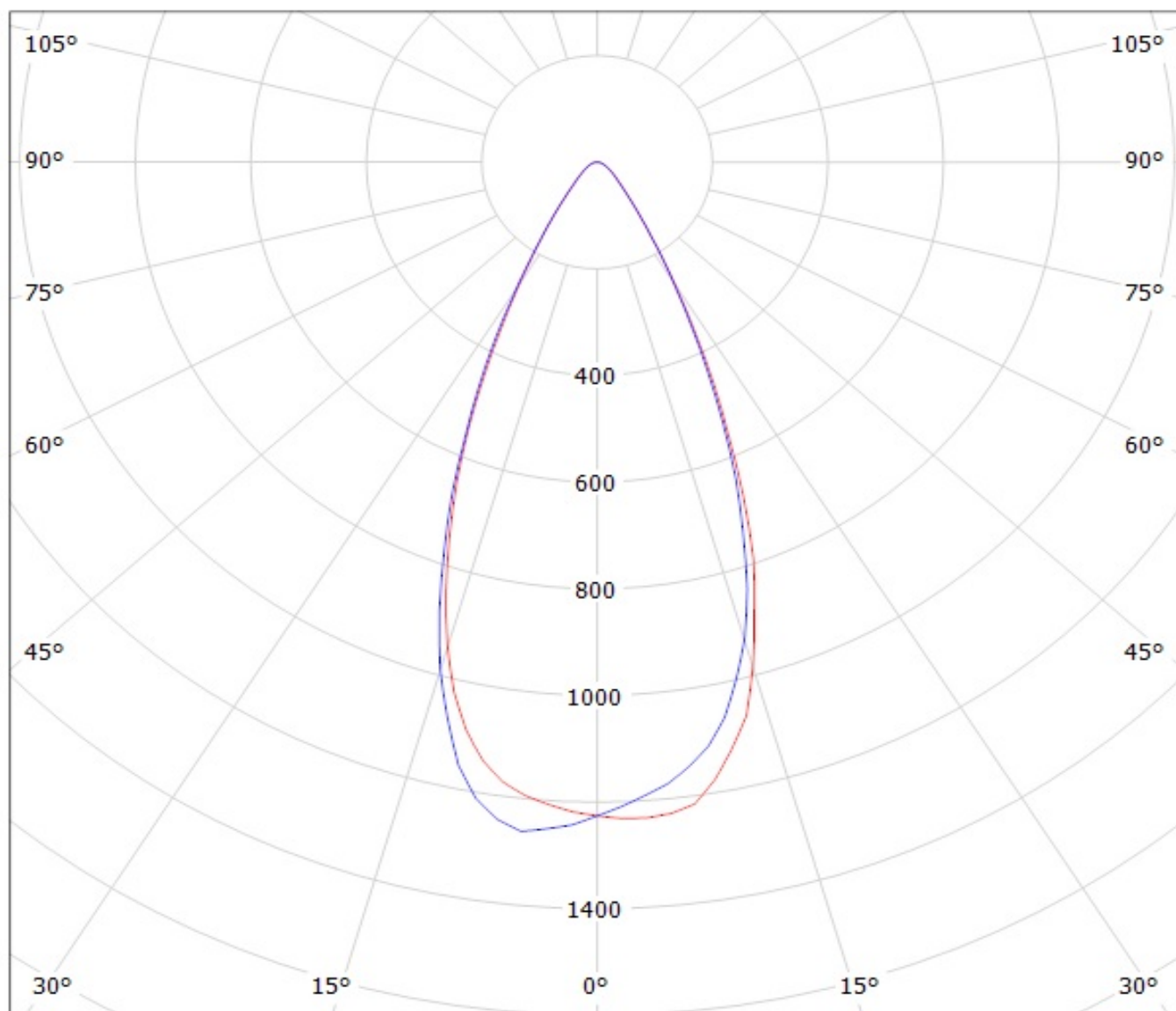


cd/klm

— C0 - C180

— C90 - C270

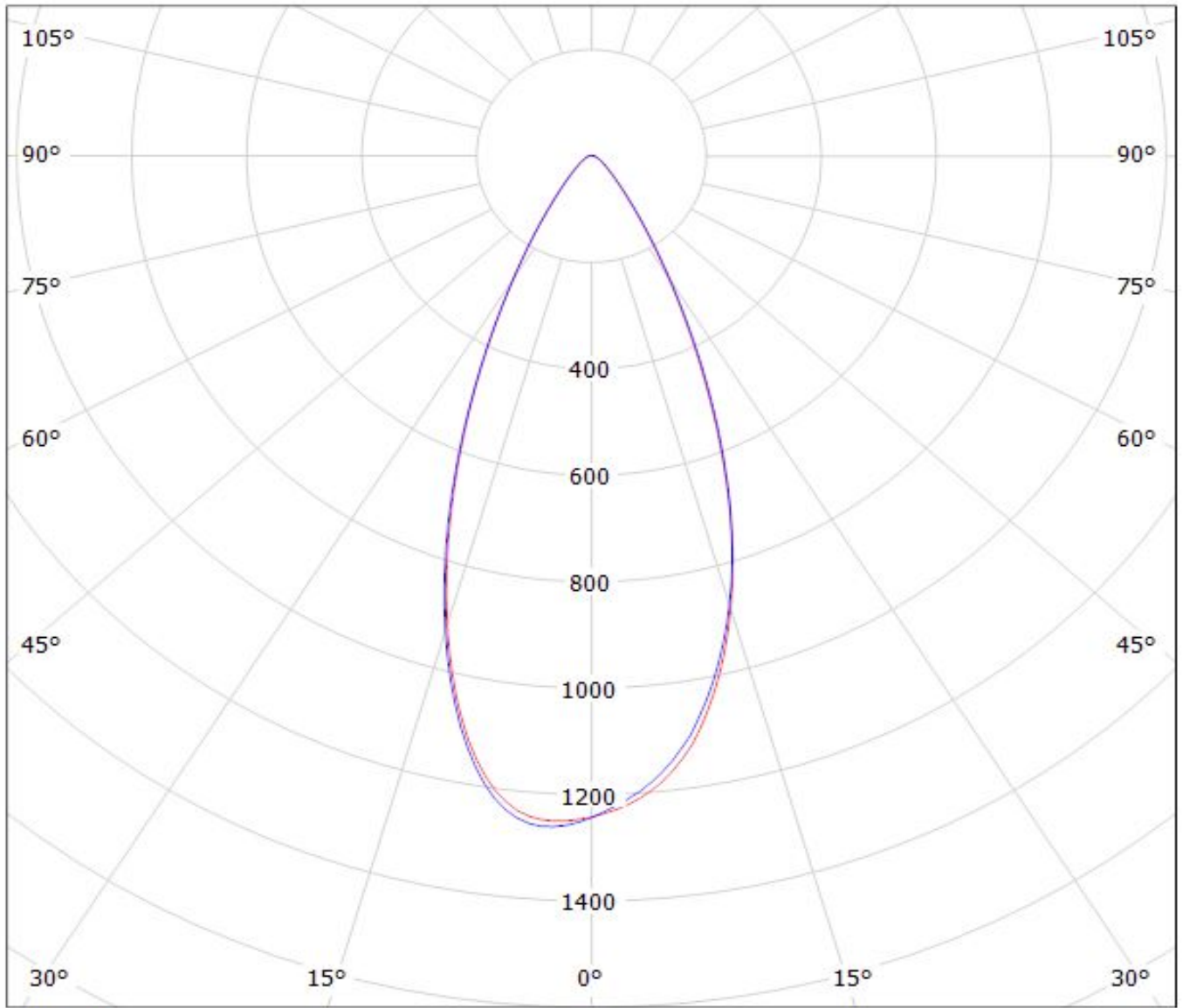
Luminaire: LEDil Oy CA12079_HEIDI-W2_(XP-G2) Efficiency=80%
Lamps: 1 x Cree XP-G2 (103lm @ 250mA) CCT=6600K P=0.7W I=250mA



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



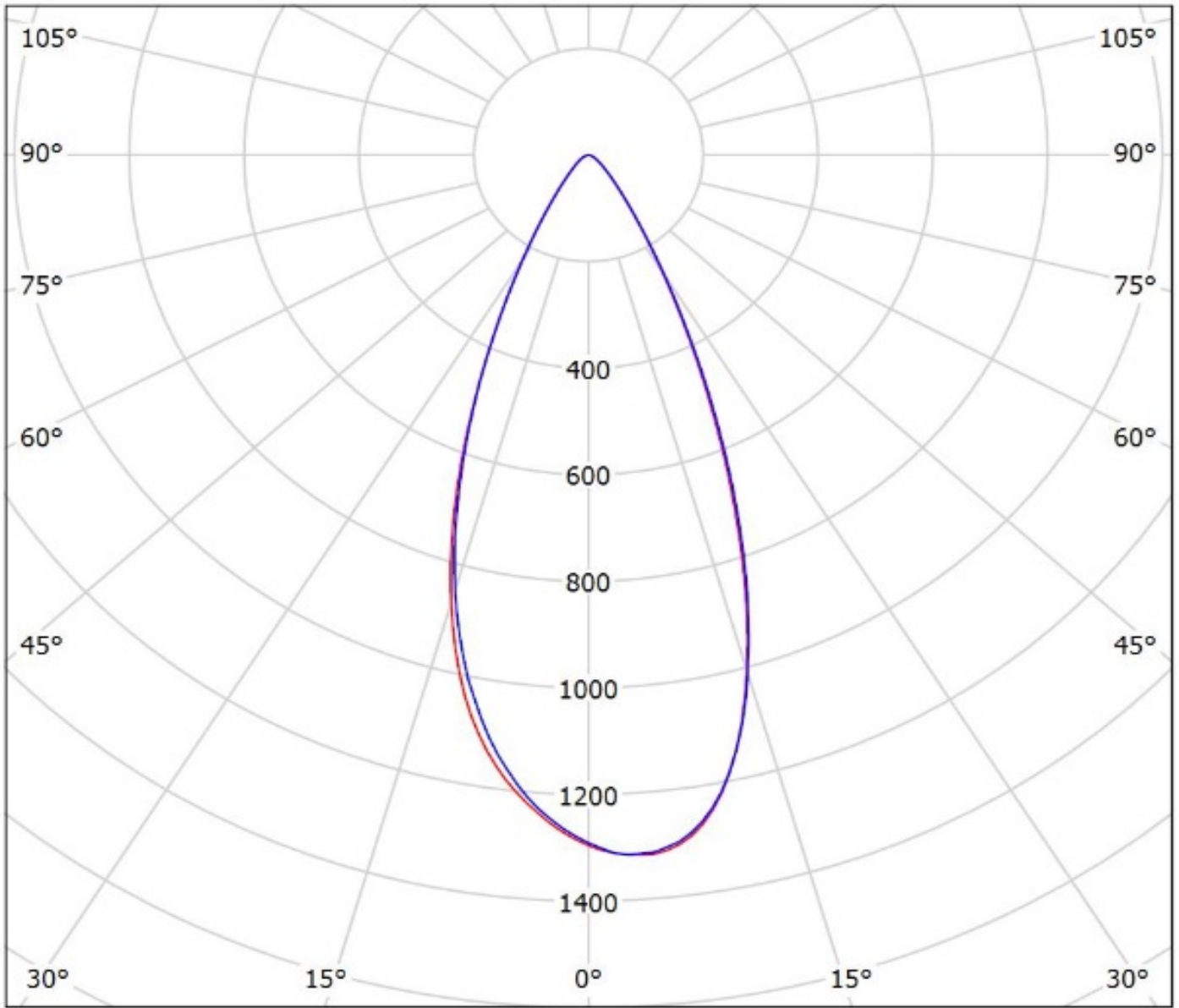
cd/klm

— C0 - C180 — C90 - C270

$\eta = 79\%$

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



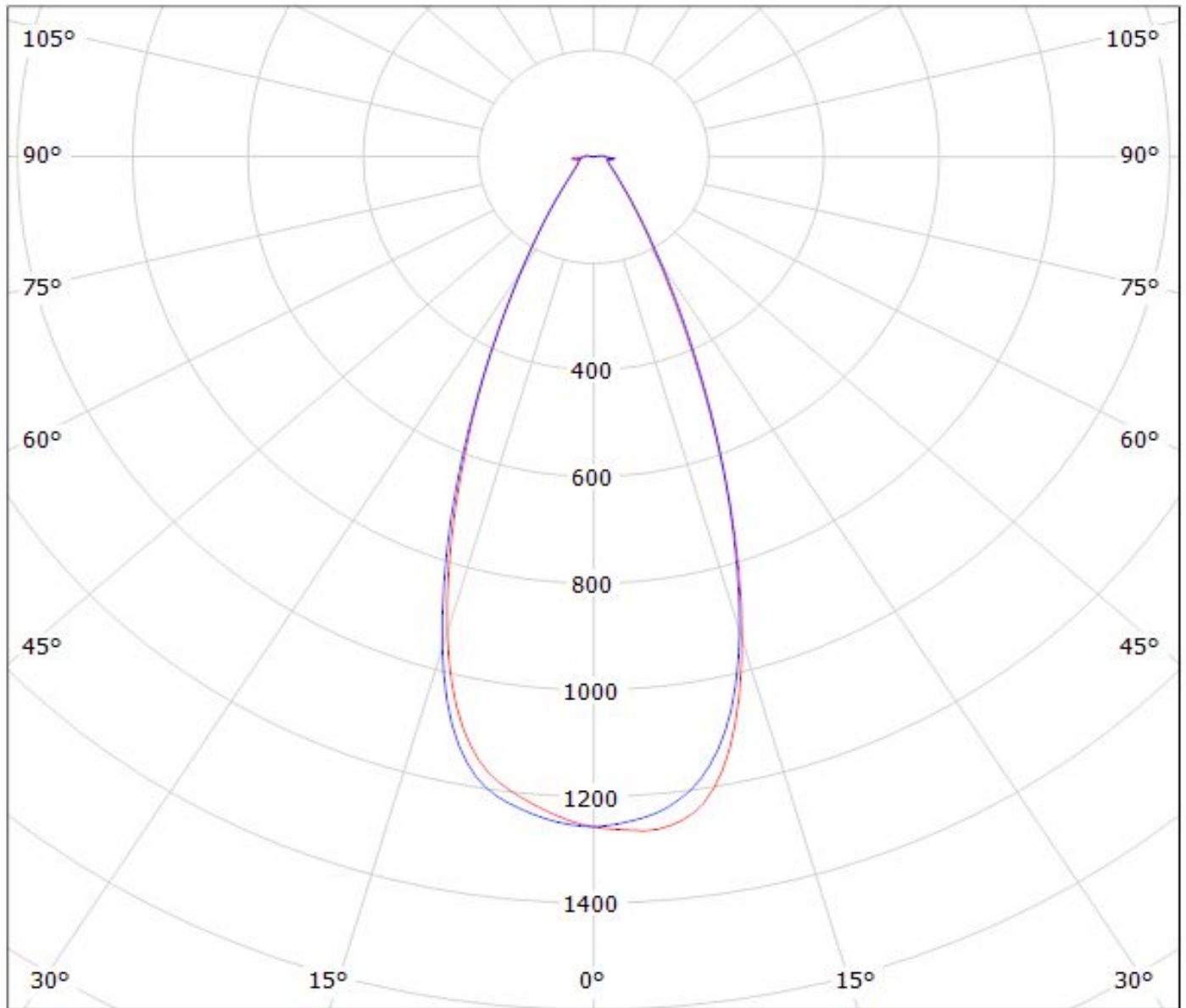
cd/klm

— C0 - C180 — C90 - C270

$\eta = 75\%$

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

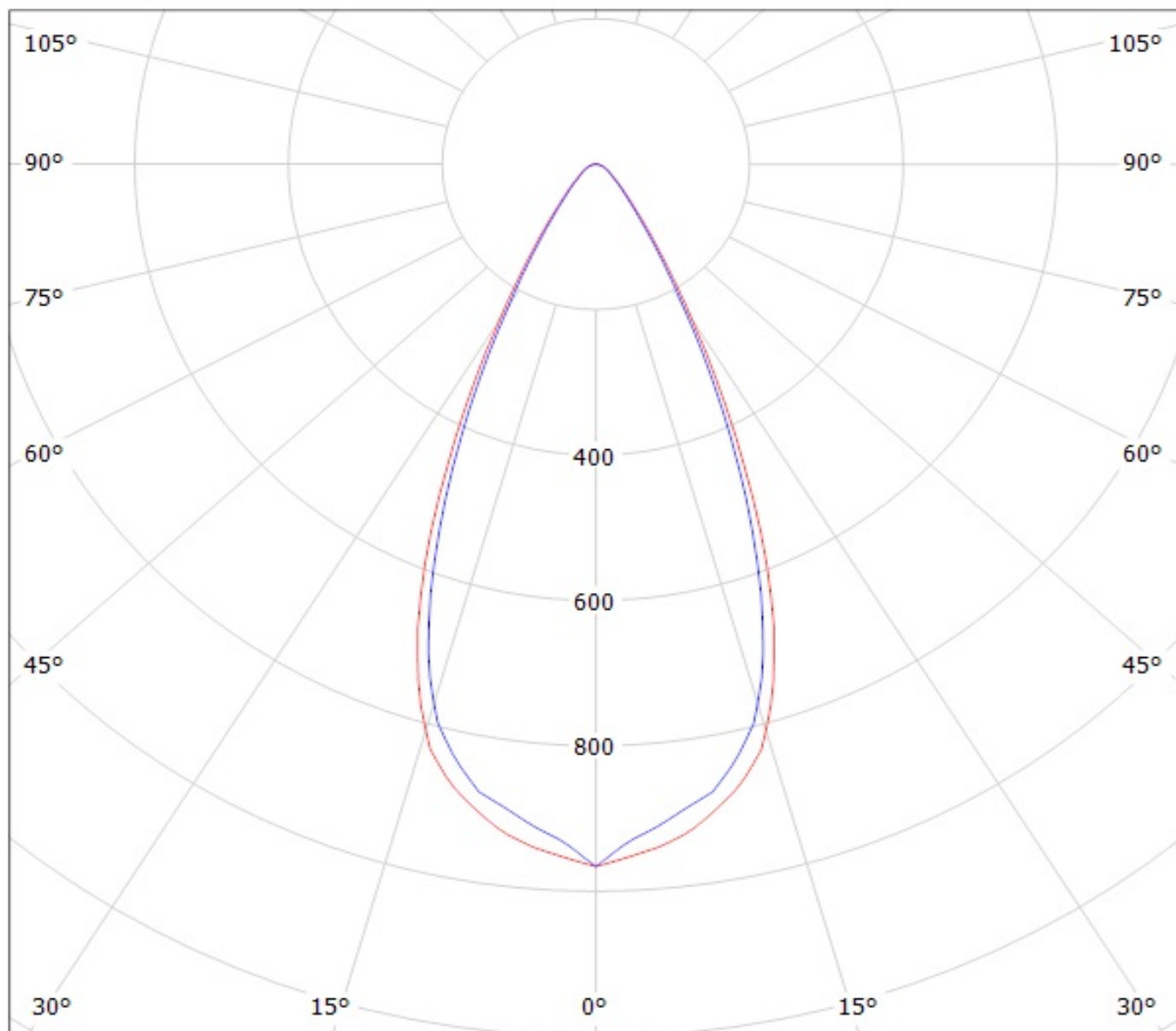
— C0 - C180

— C90 - C270

$\eta = 87\%$

Luminaire: Ledil Oy CA12079_Heidi-W2-RE LOR=85%

Lamps: 1 x Luxeon Rebel 250mA 84lm

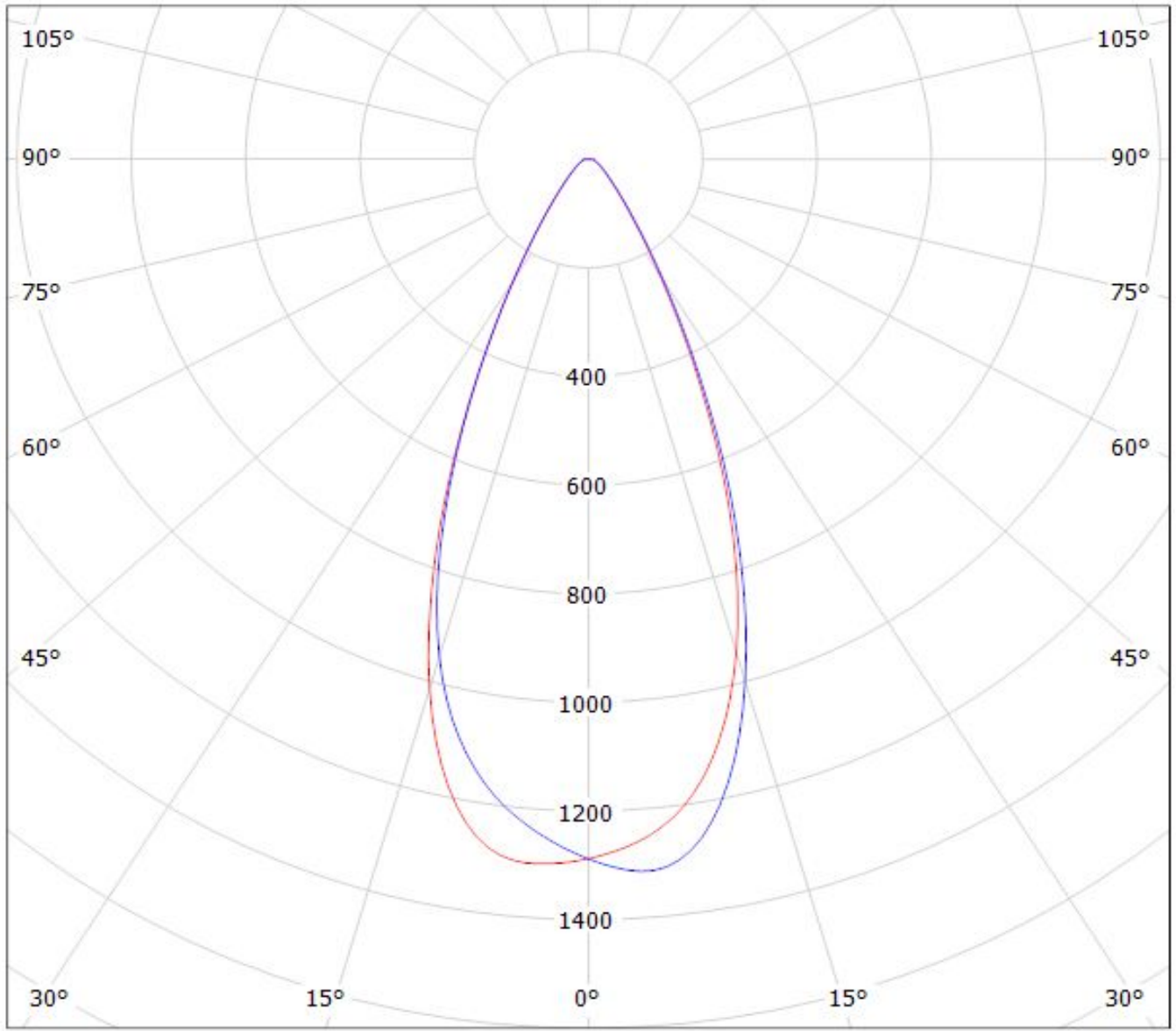


cd/klm

— C0 - C180

— C90 - C270

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

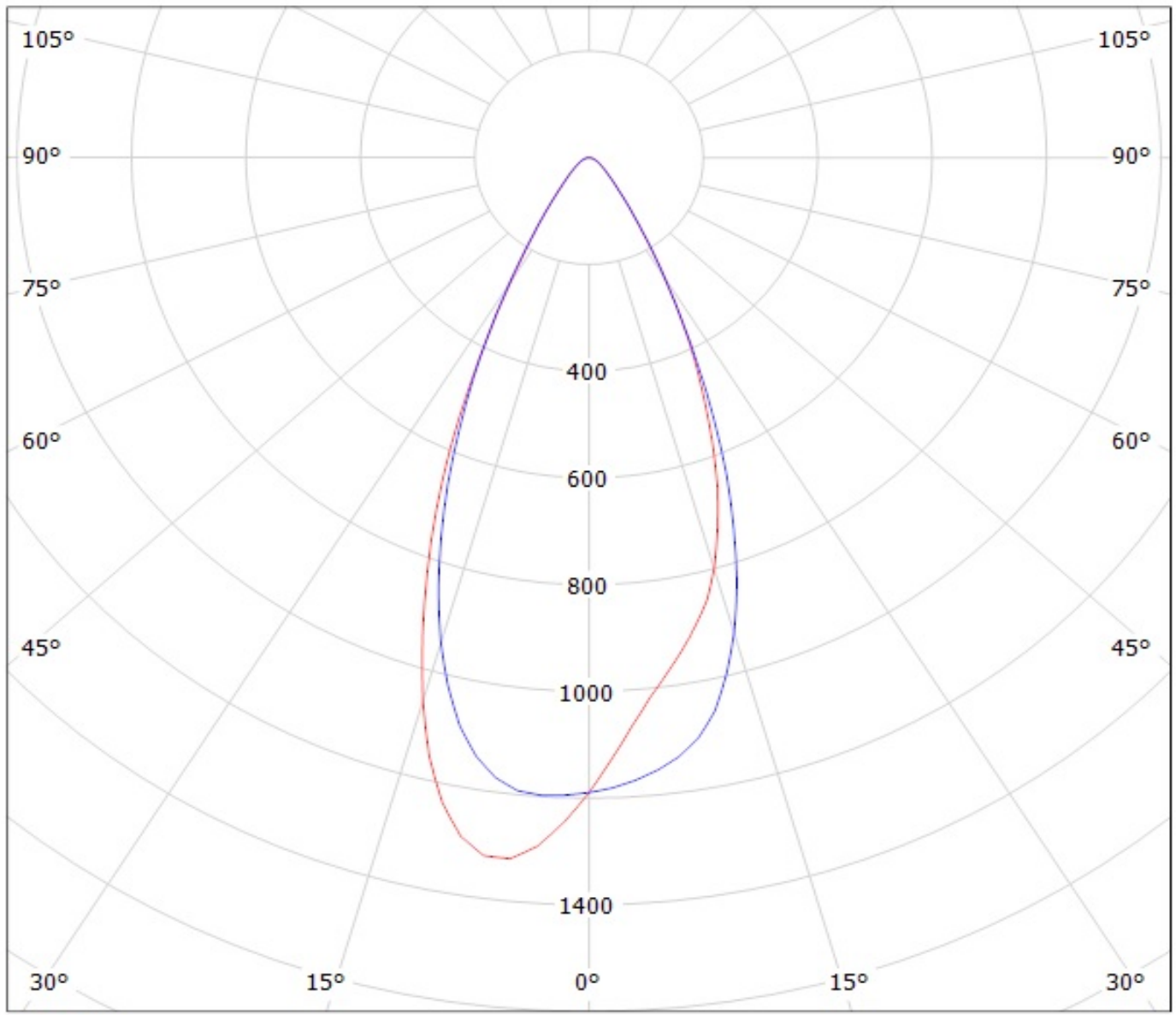


cd/klm

$\eta = 83\%$

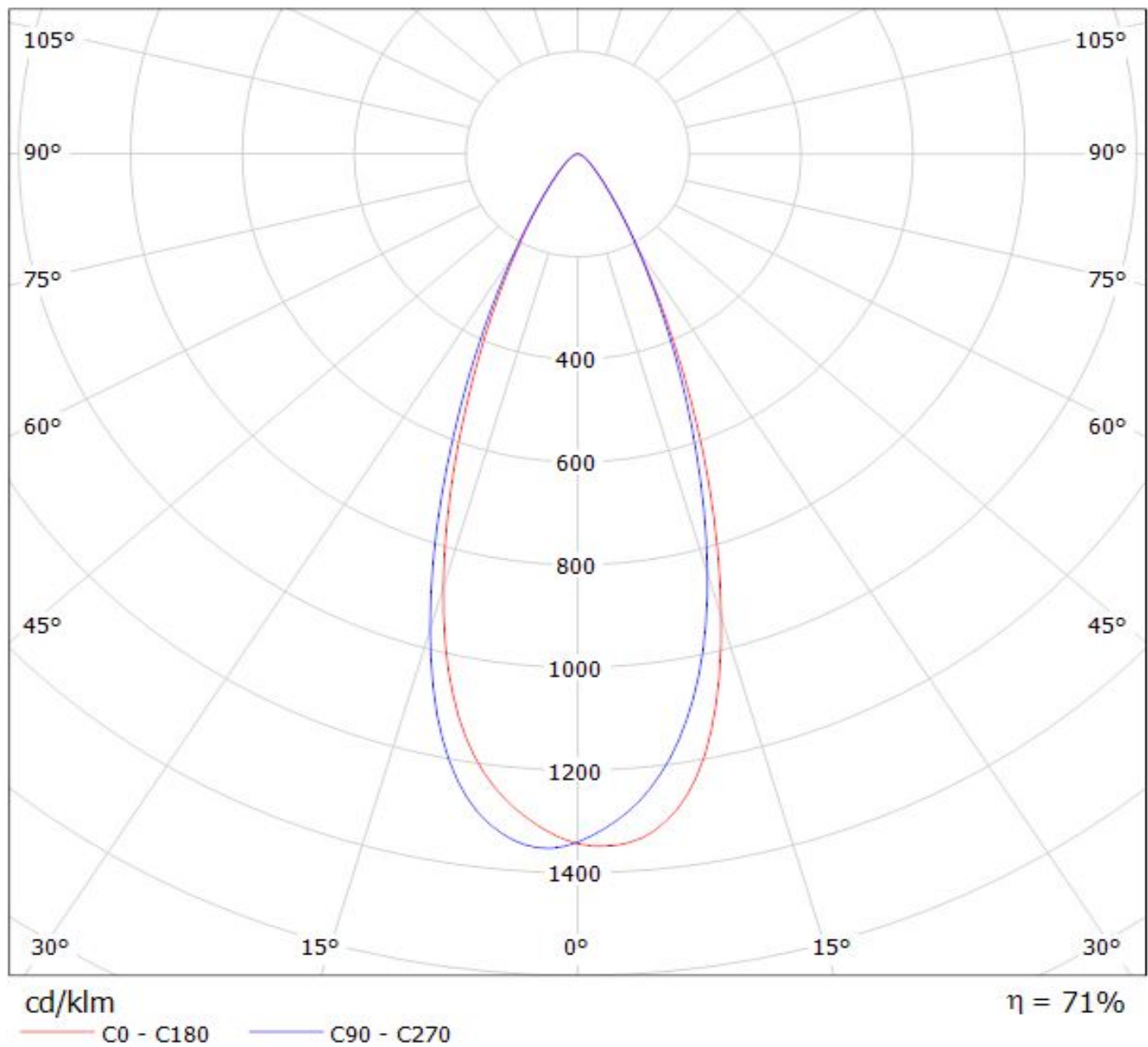
— C0 - C180 — C90 - C270

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

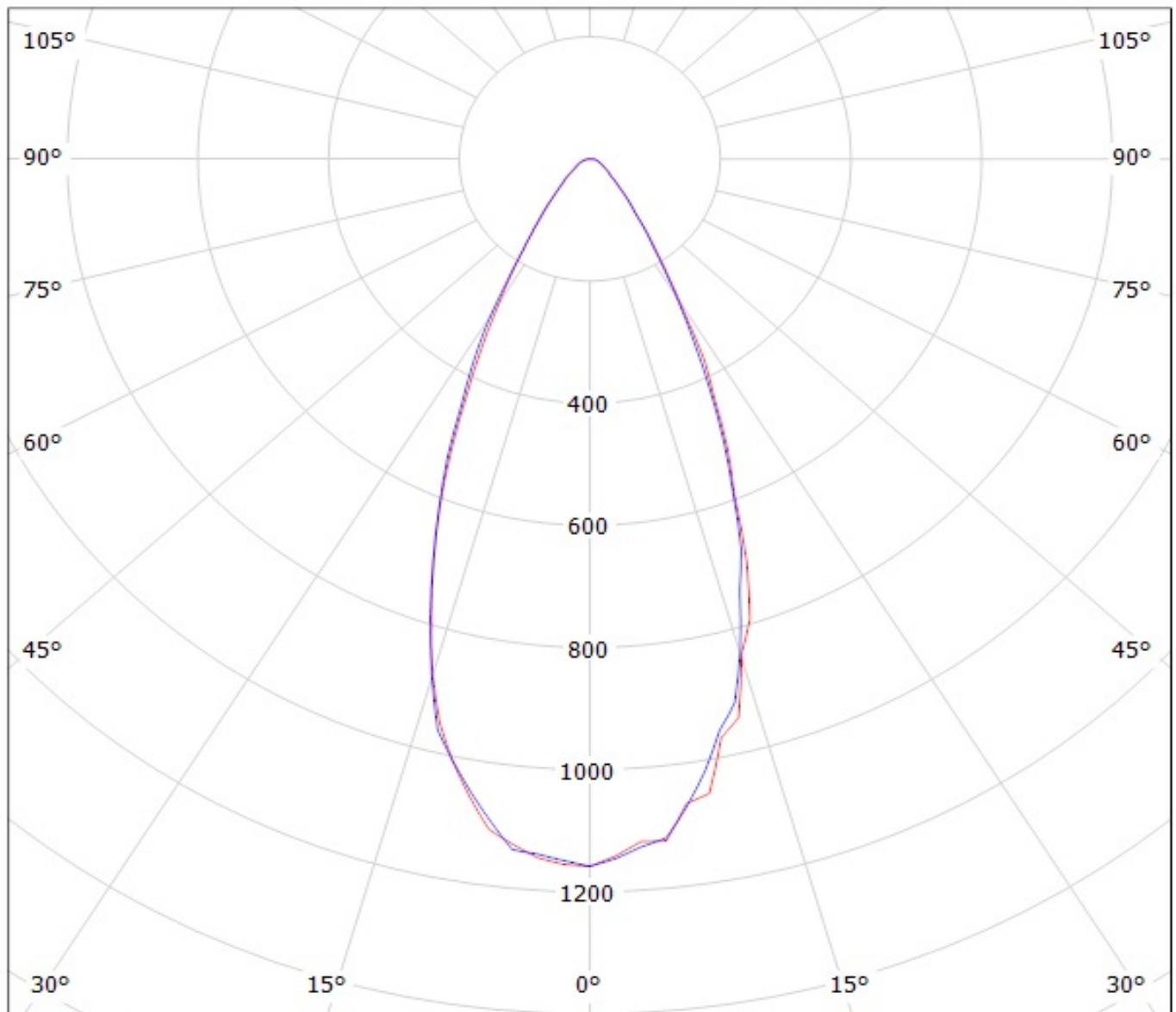


cd/klm
— C0 - C180 — C90 - C270

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

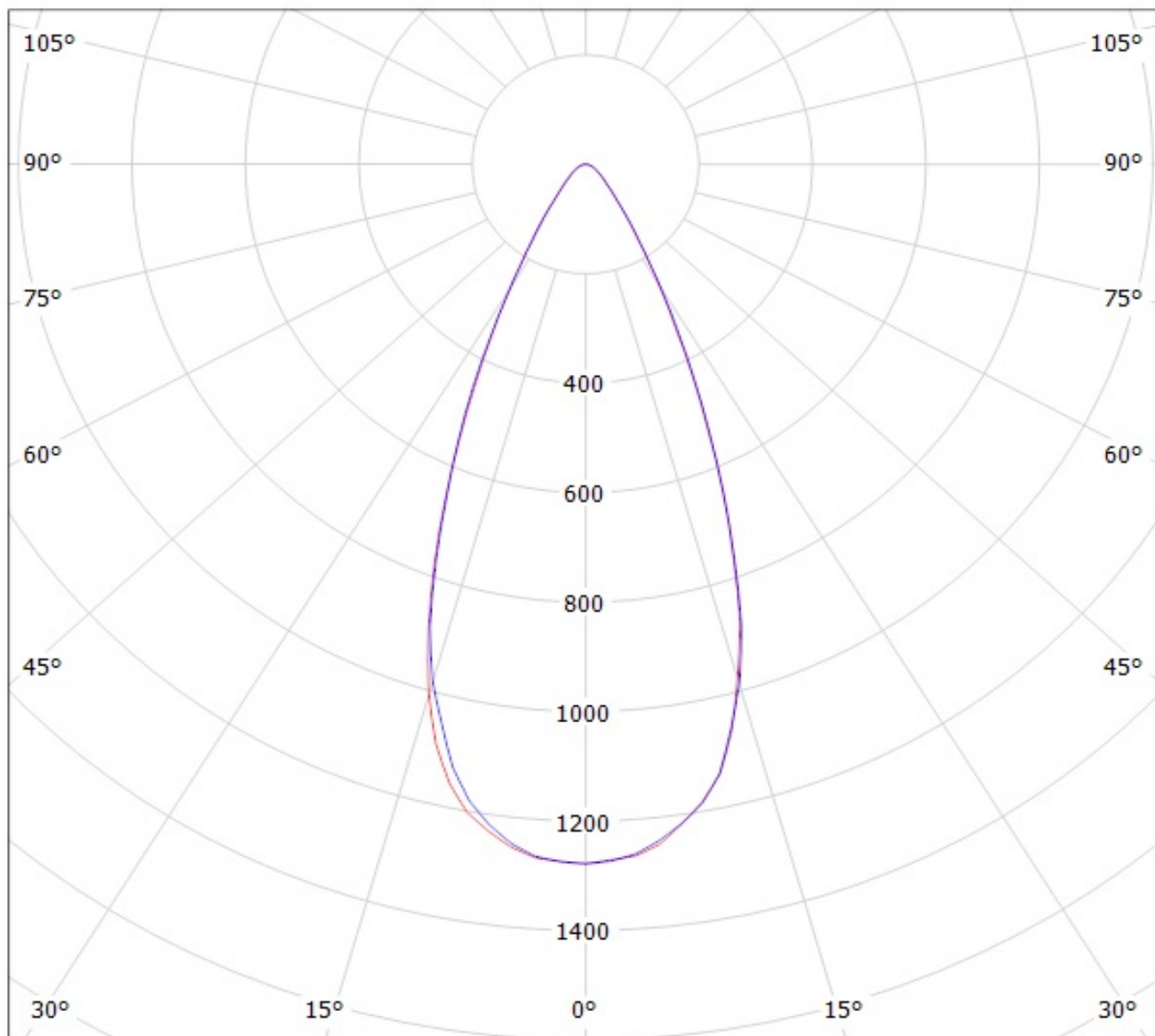


cd/klm

— C0 - C180

— C90 - C270

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



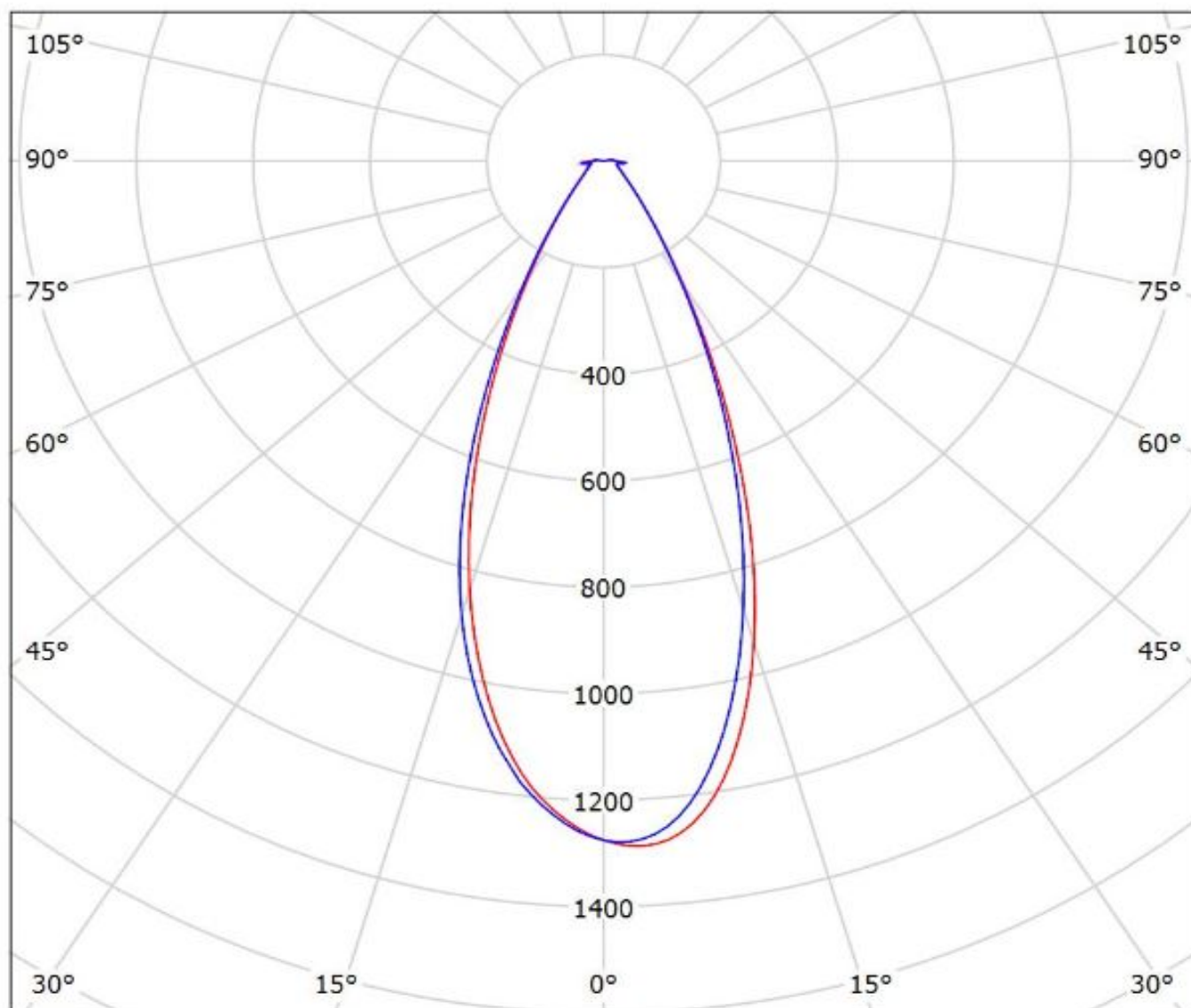
cd/klm

— C0 - C180

— C90 - C270

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

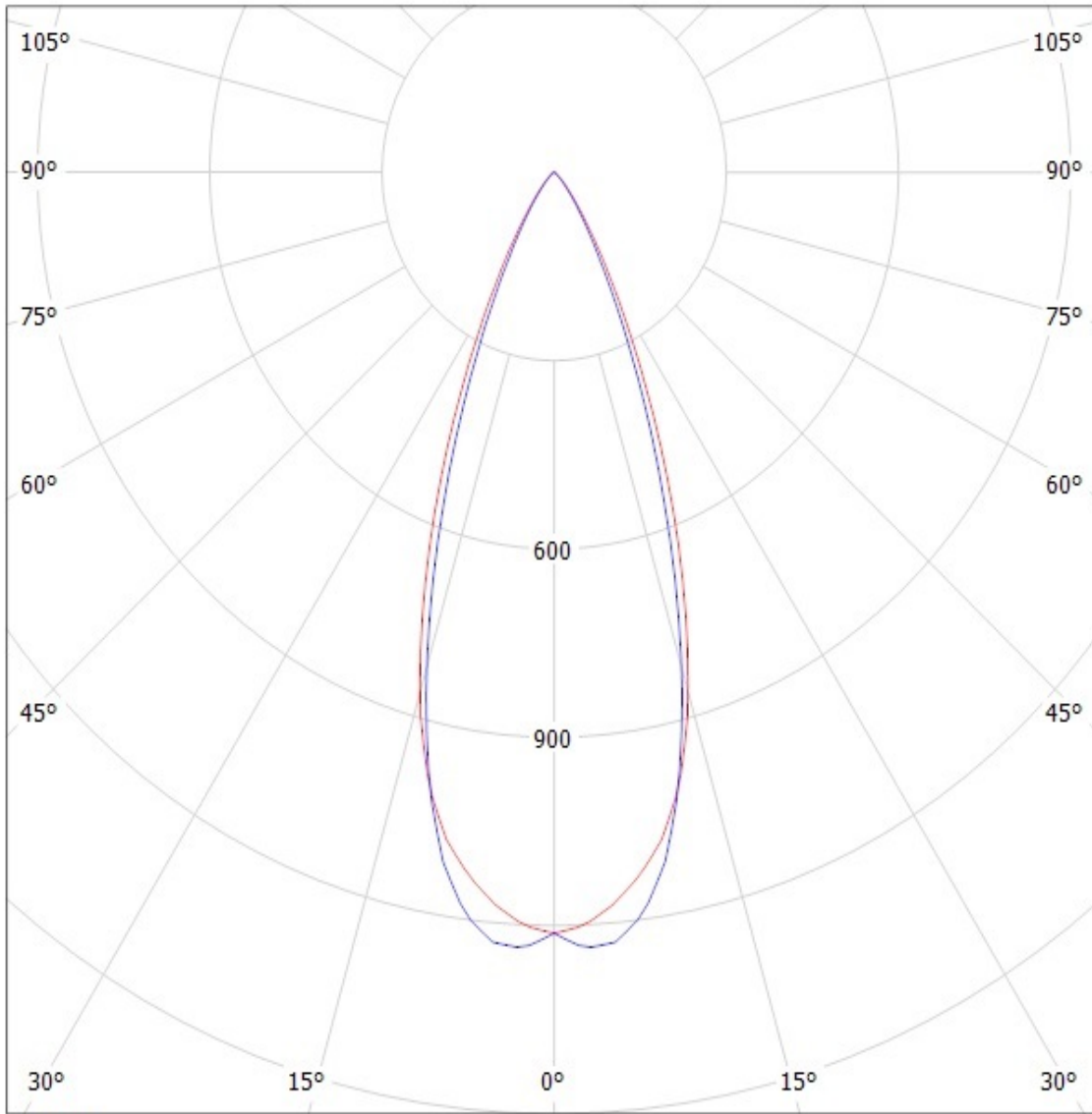
— C0 - C180 — C90 - C270

$\eta = 88\%$

Ledil Oy CA12079_Heidi-W2-OSL150 LOR=81% / LDC (Polar)

Luminaire: Ledil Oy CA12079_Heidi-W2-OSL150 LOR=81%

Lamps: 1 x Osram OSL150 109lm 150mA



cd/klm

— C0 - C180

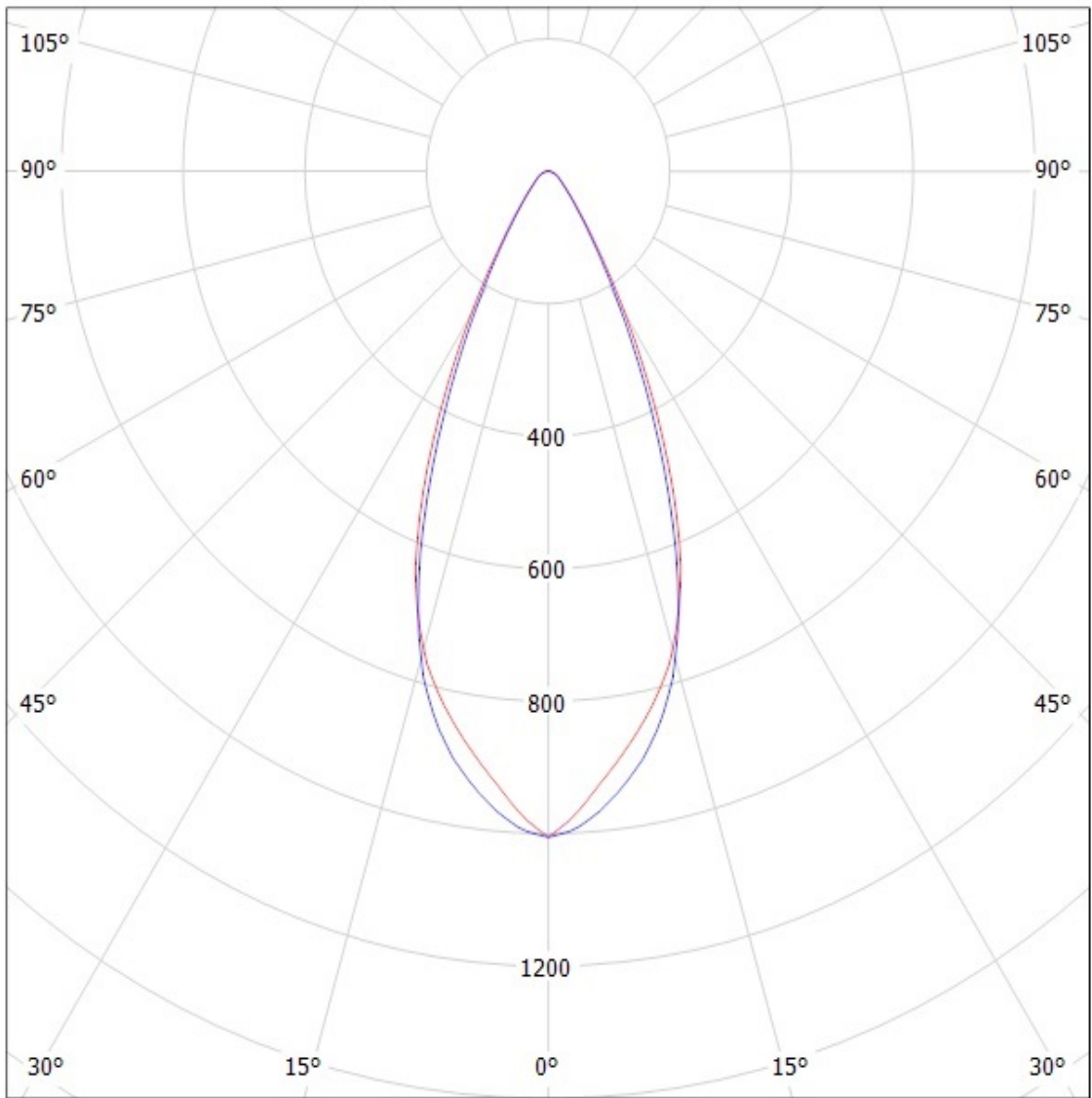
— C90 - C270

SIMULATED

Ledil Oy CA12079_Heidi-W2-OSL LOR=80% / LDC (Polar)

Luminaire: Ledil Oy CA12079_Heidi-W2-OSL LOR=80%

Lamps: 1 x Osram OSL80 250mA 85lm



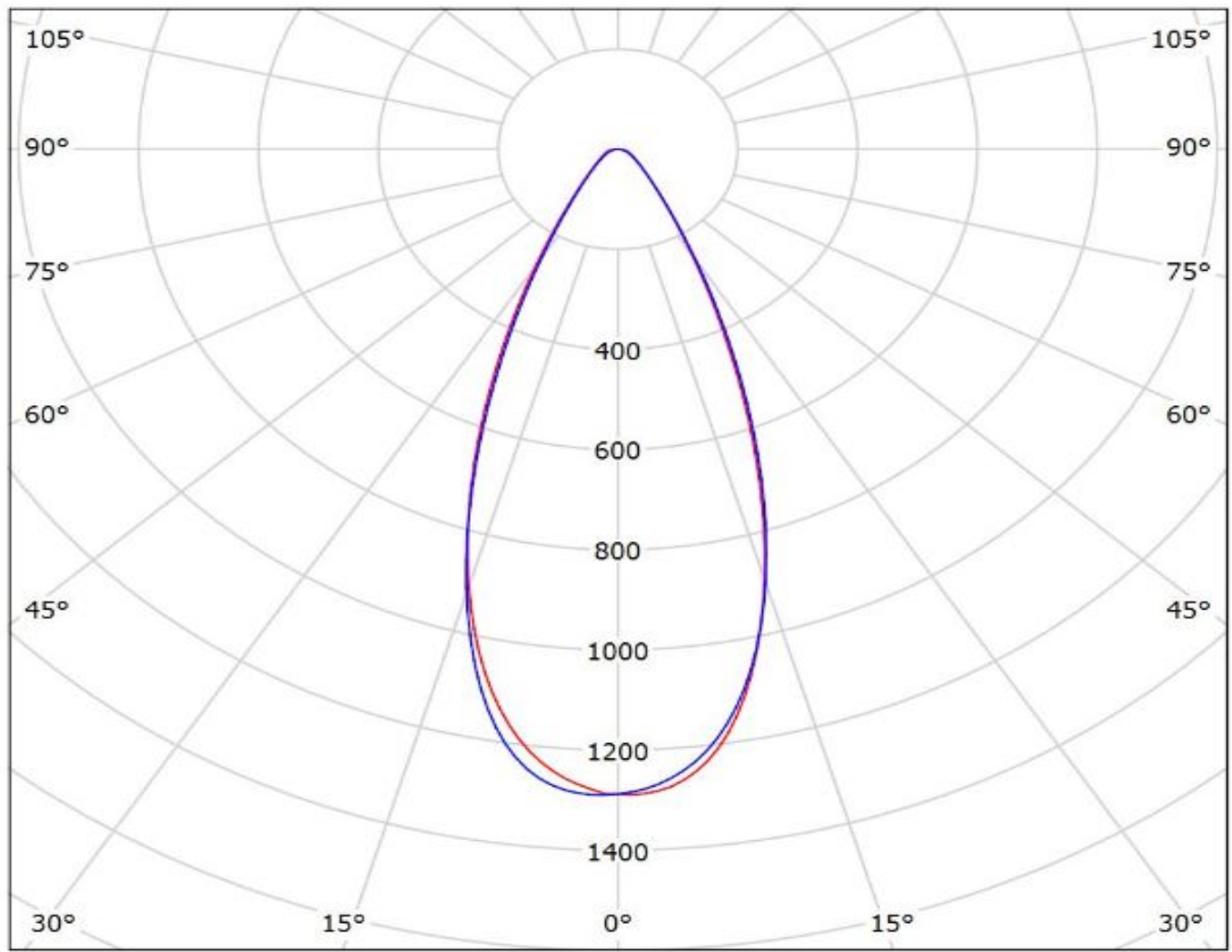
cd/klm

— C0 - C180 — C90 - C270

SIMULATED

Ledil CA12079_HEIDI-W2_(Fortimo_FastFlex_LED_board 2x8-757_DS_G3) / LDC (Polar)

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

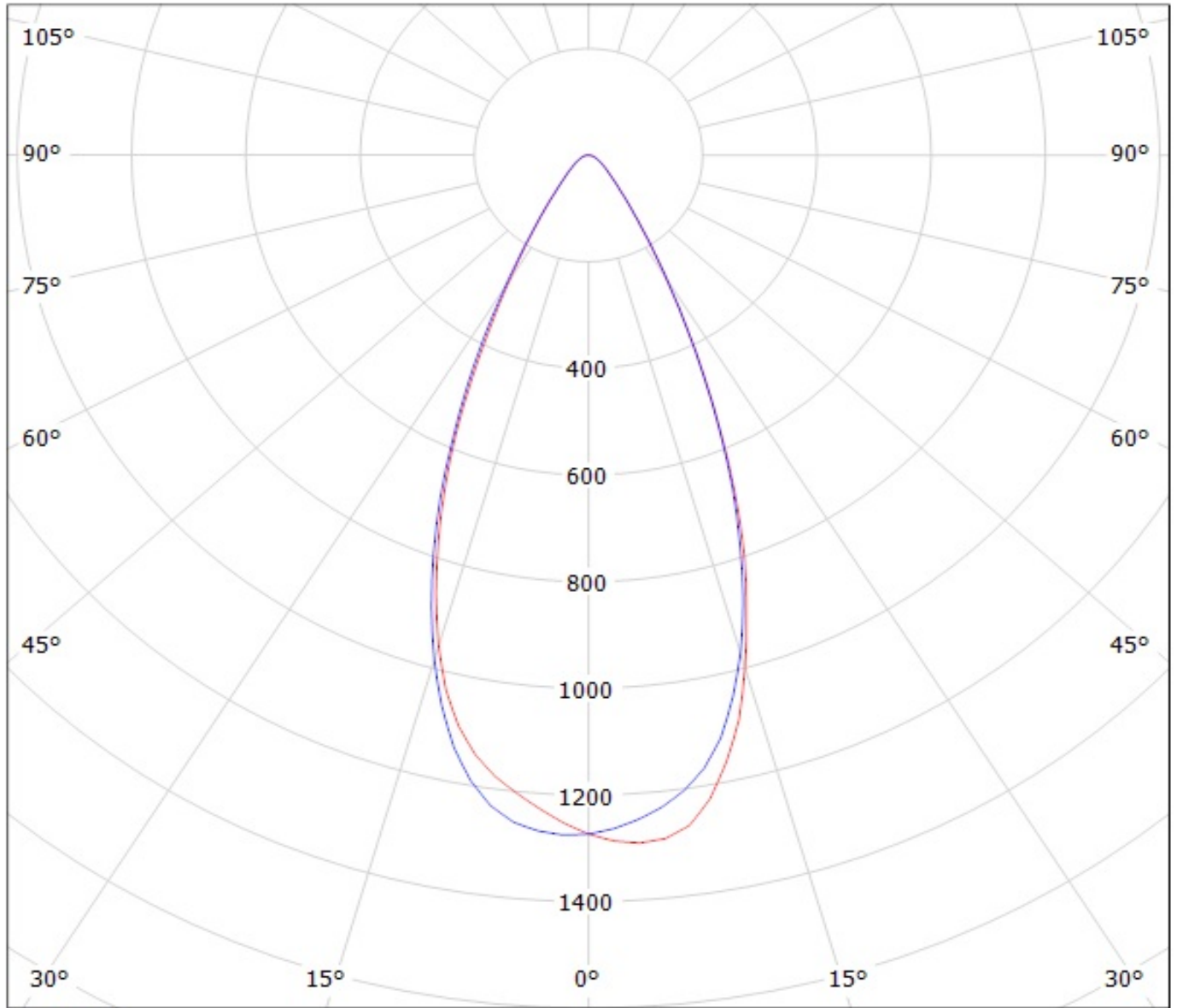


cd/klm

— C0 - C180 — C90 - C270

$\eta = 81\%$

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

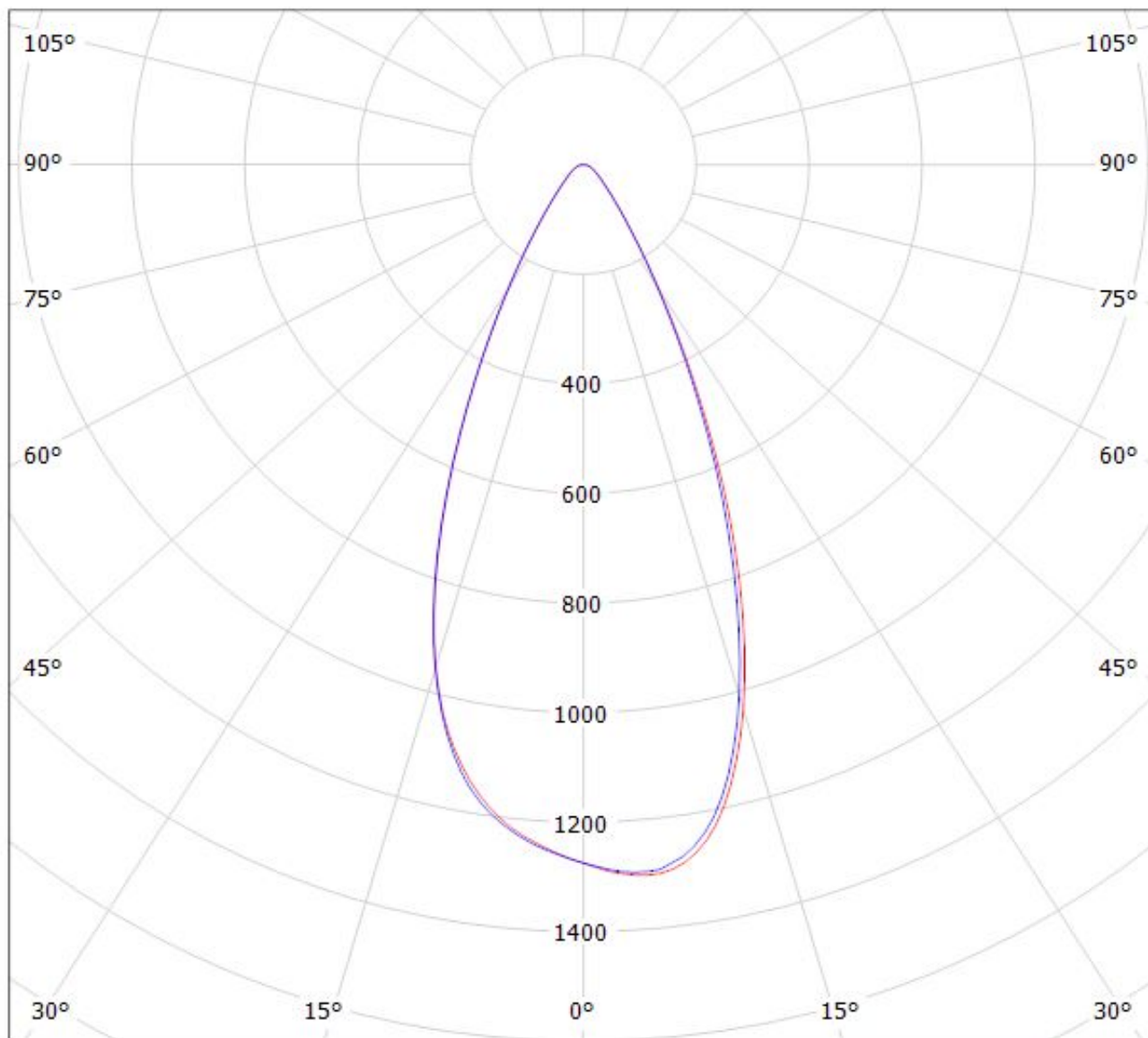


cd/klm

— 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



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.