

## DETAILS

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



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	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	-
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

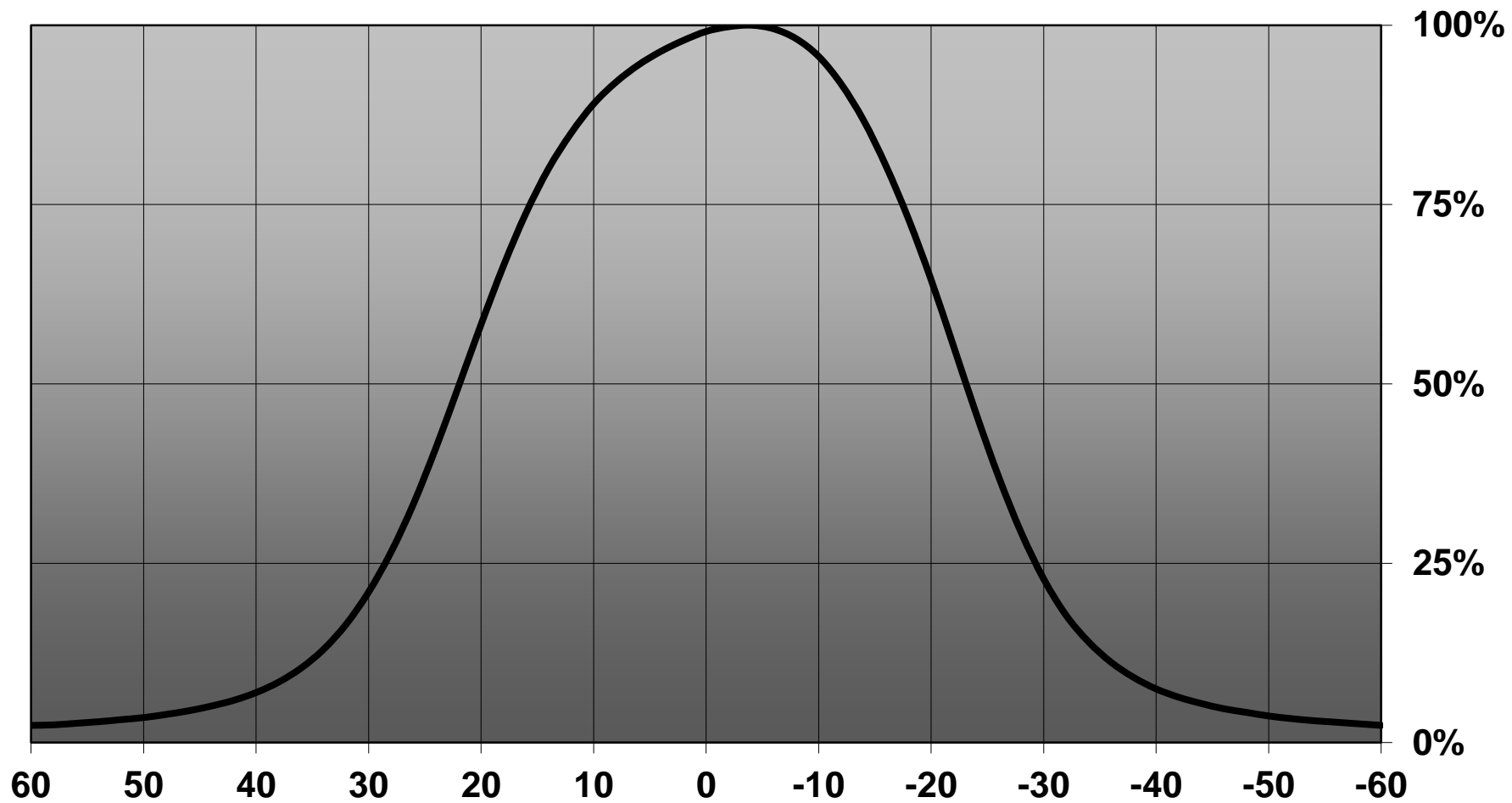
### Heidi series

last update 13/6/2016

## OPTICAL PROPERTIES

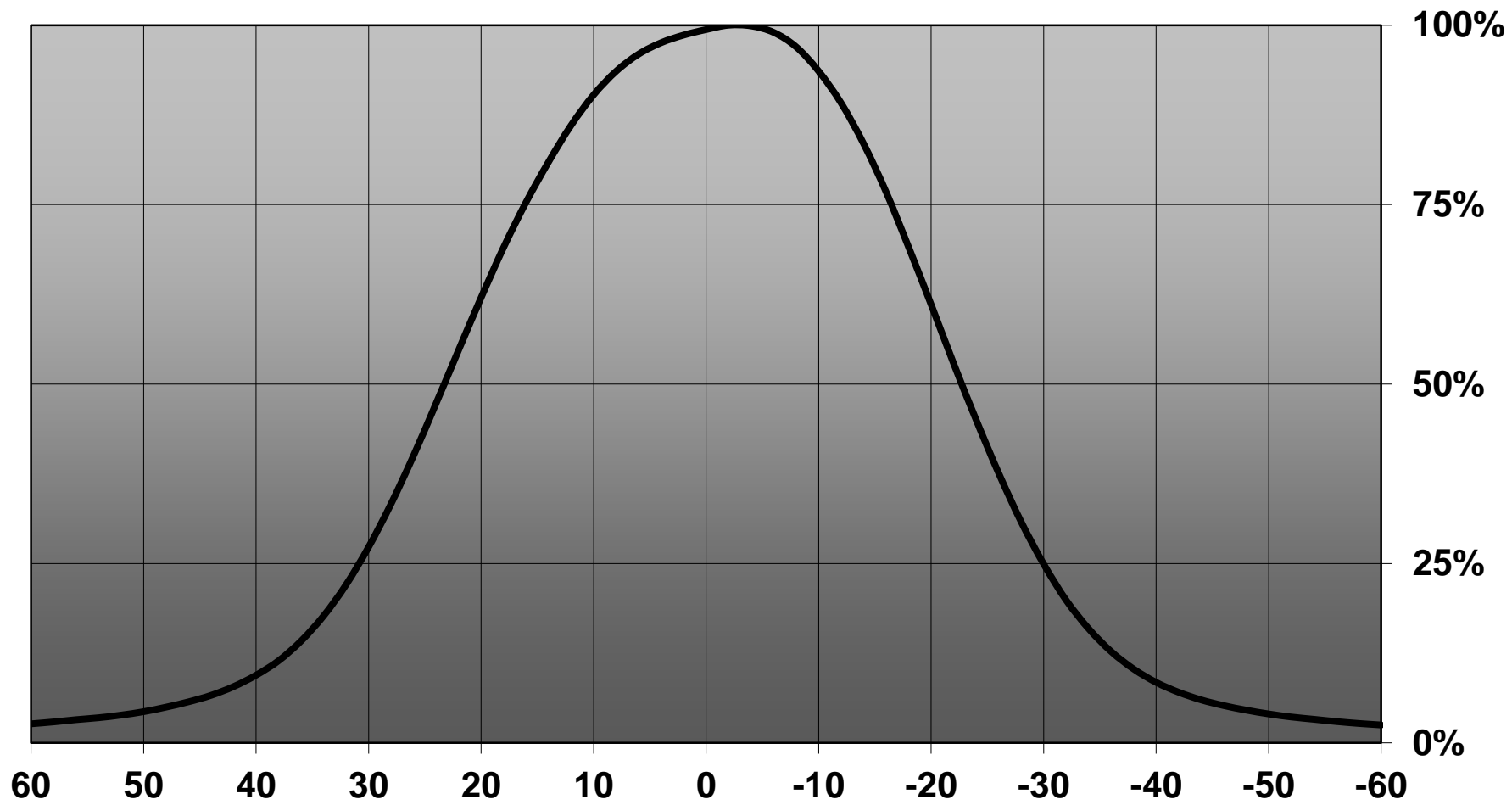
LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
Z5M1/Z5M2	44 deg	W2	83 %	1.320	-
Double Dome (GM2BB)	44 deg	W2	-	-	-

### Relative intensity of CA12079\_HEIDI-W2\_(XB-H)

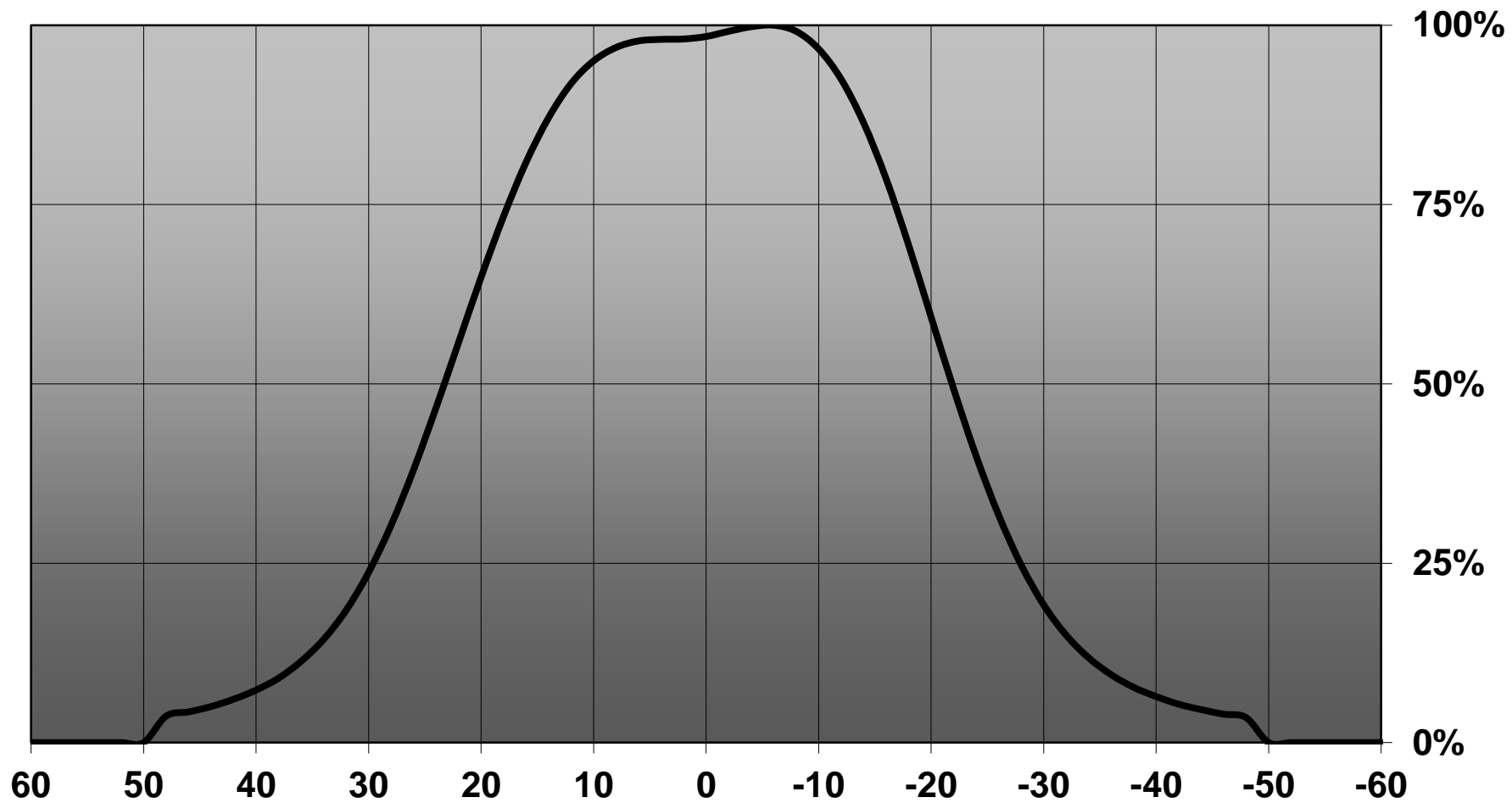


— C1 0-180

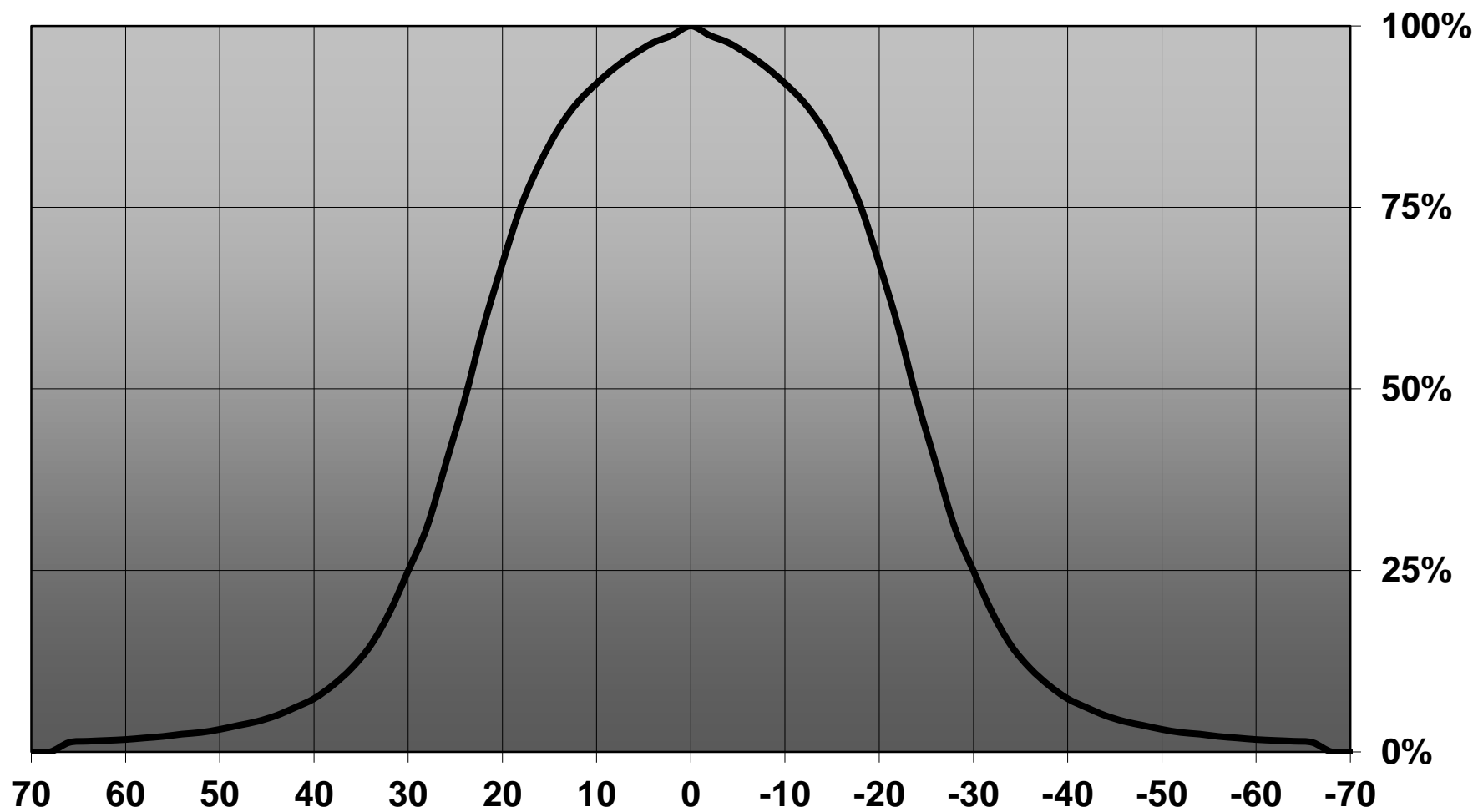
Relative intensity of CA12079\_HEIDI-W2\_(XHP35\_HD)



Relative intensity of CA12079\_HEIDI-W2\_(XPH35\_HI)



Relative intensity of CA12079\_Heidi-W2-RE



D

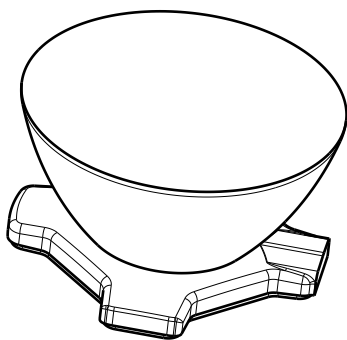
C

B

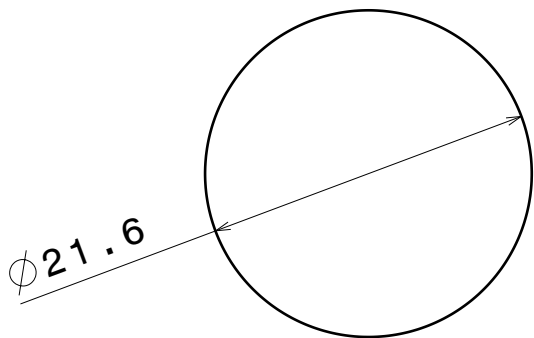
A

4

4



Isometric view



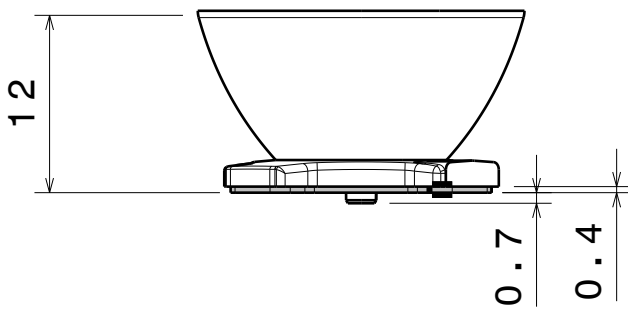
Top view

Ø 21.6

3

3

Front view



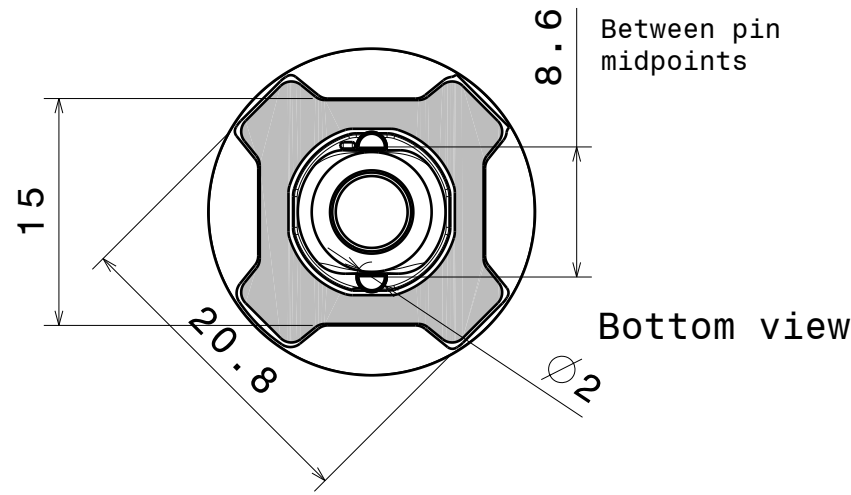
12

0.7

0.4

2

2



Between pin midpoints

Bottom view

15

20.8

8.6

Ø 12

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

<b>LEDiL</b>	LediL Oy		
	Salorankatu 10 FIN 24240 SALO Finland		

THIRD ANGLE PROJECTION:

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

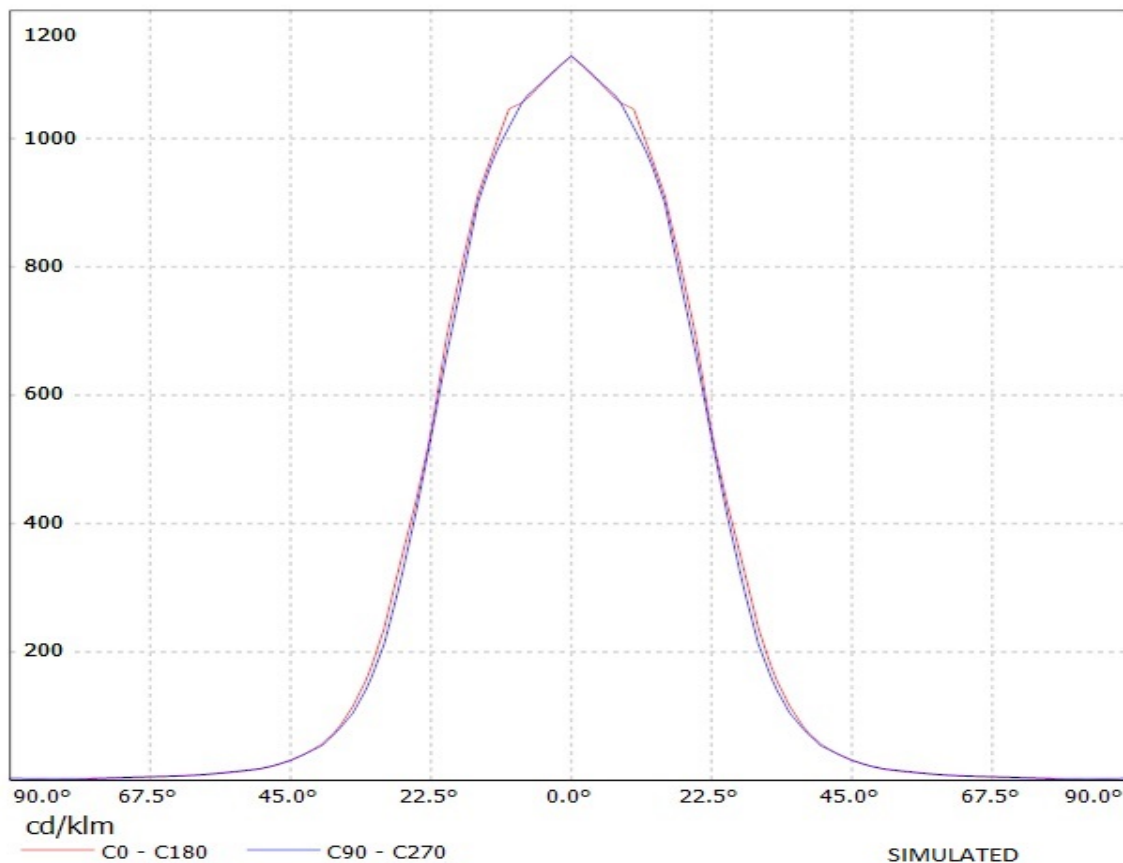
A

1

1

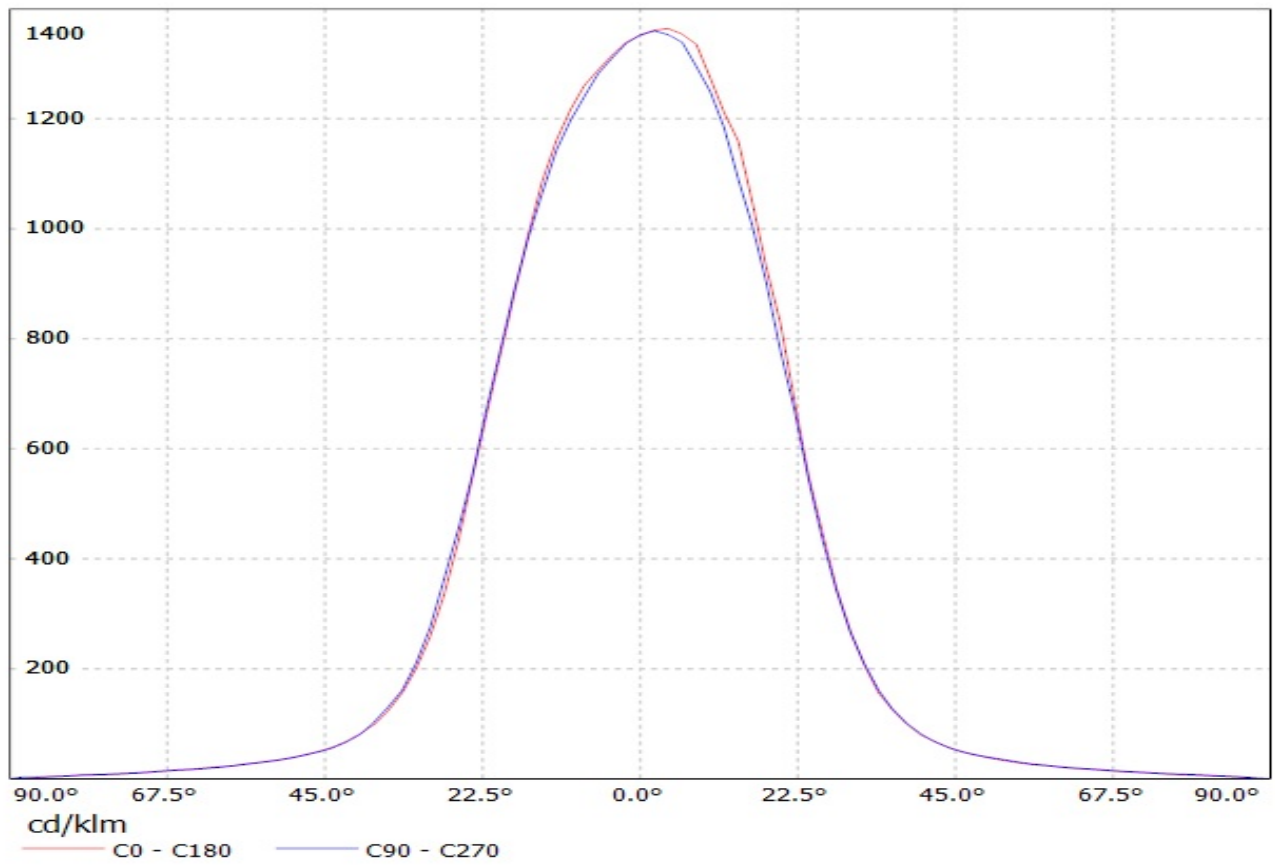
Ledil Oy CA12079\_Heidi-W2-XP LOR= 81% / LDC (Linear)

Luminaire: Ledil Oy CA12079\_Heidi-W2-XP LOR= 81%  
Lamps: 1 x Cree XP-E 72lm 250mA

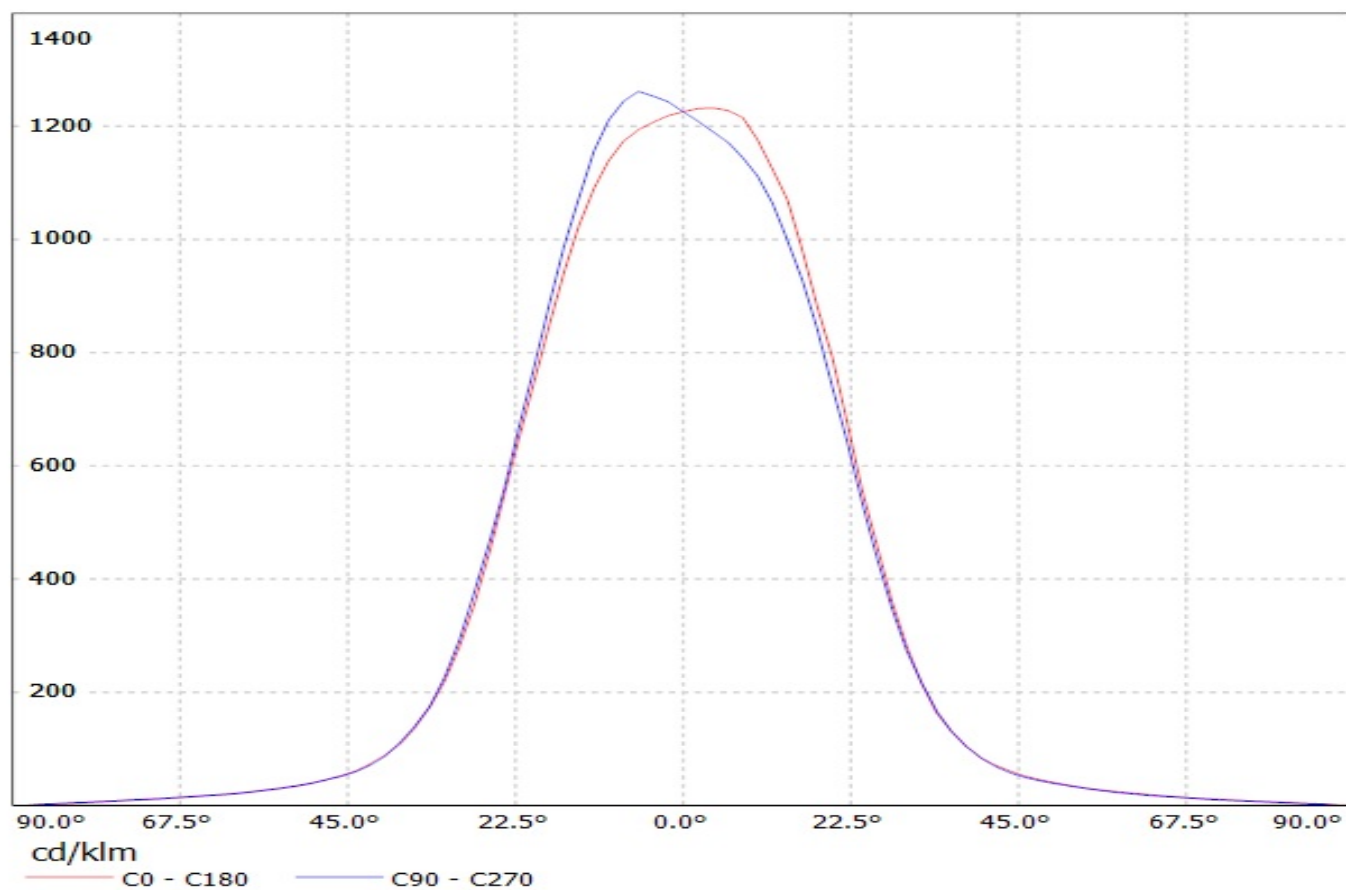




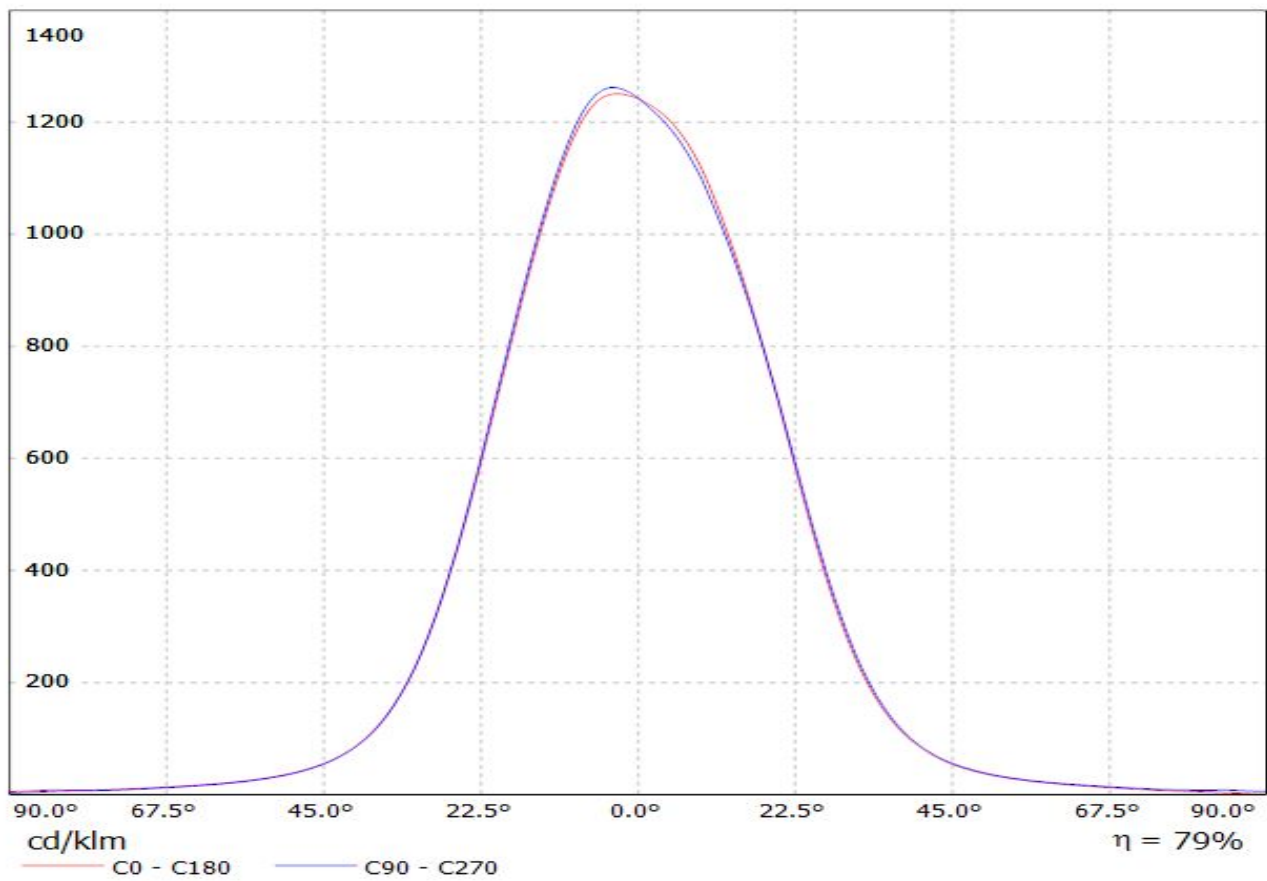
Luminaire: Ledil Oy CA12079 HEIDI-W2\_(XP-E2) Efficiency=81%  
Lamps: 1 x Cree XP-E2 (92lm @ 250mA) CCT=5500K P=0.8W I=250mA



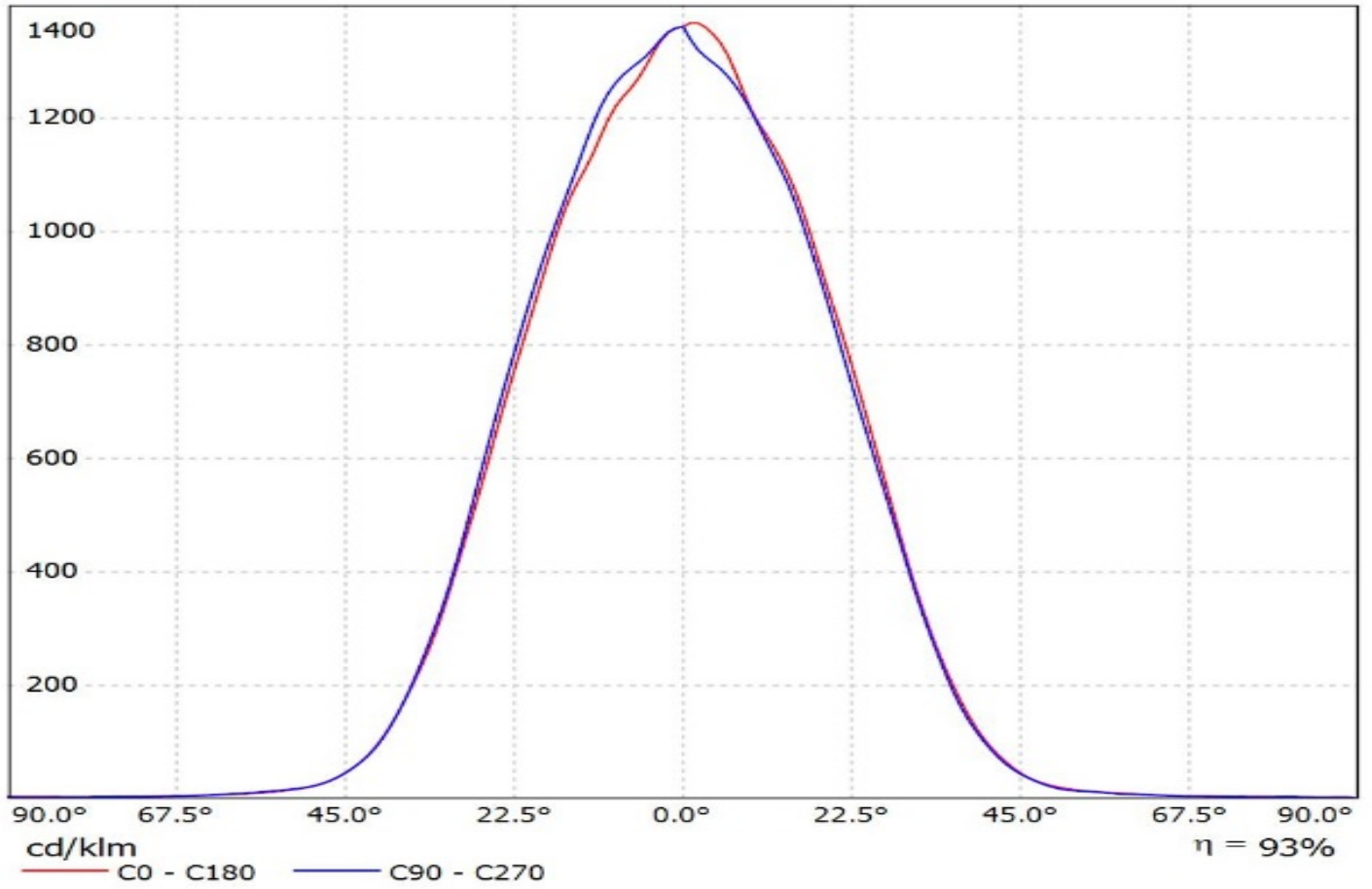
Luminaire: LEDil Oy CA12079\_HEIDI-W2\_(XP-G2) Efficiency=80%  
Lamps: 1 x Cree XP-G2 (103lm @ 250mA) CCT=6600K P=0.7W I=250mA



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

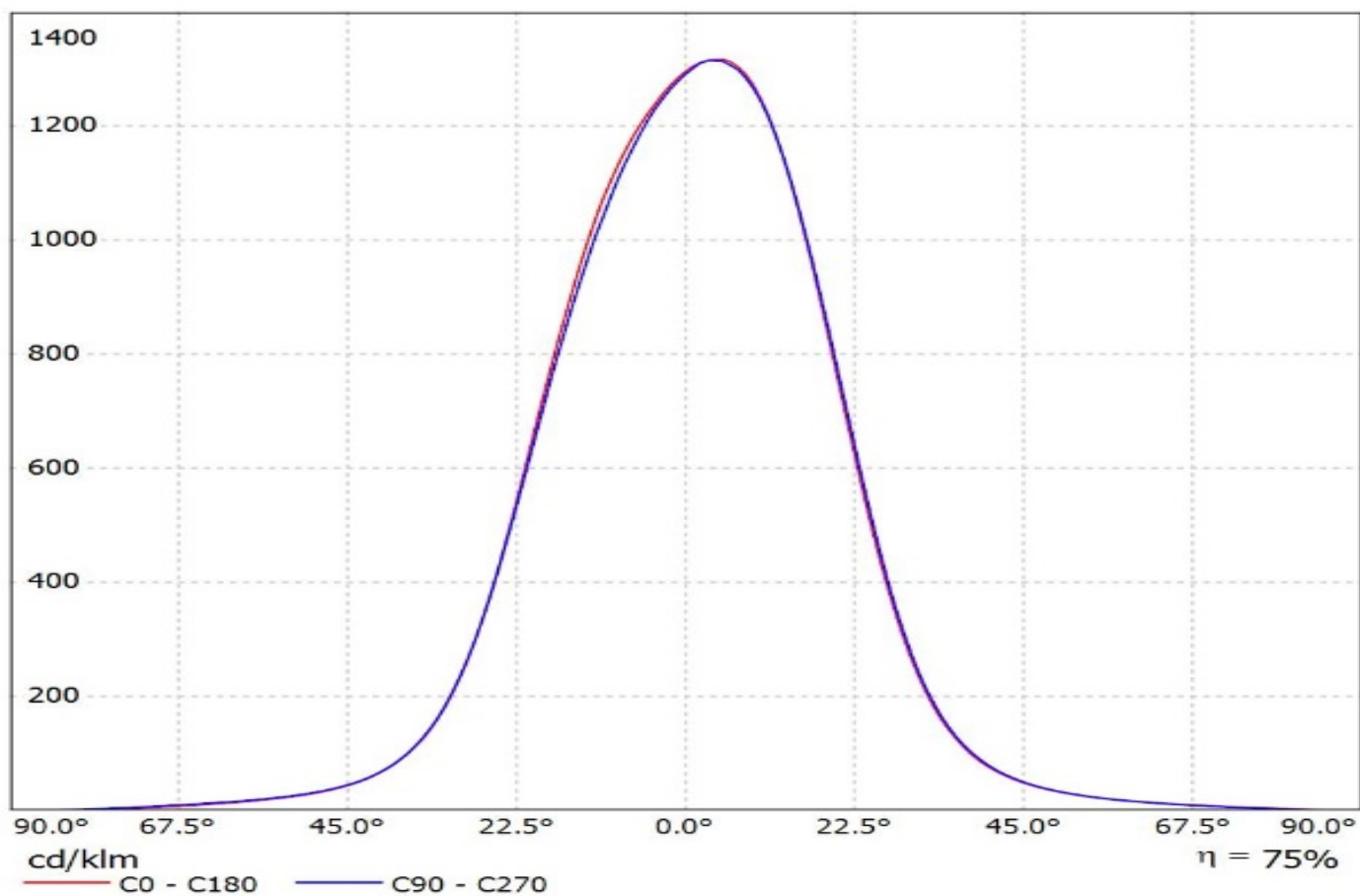


Luminaire: Ledil Oy CA12079\_HEIDI-W2\_(XHP35\_HD)\_SIMULATED  
Lamps: 1 x Cree XHP35 HD

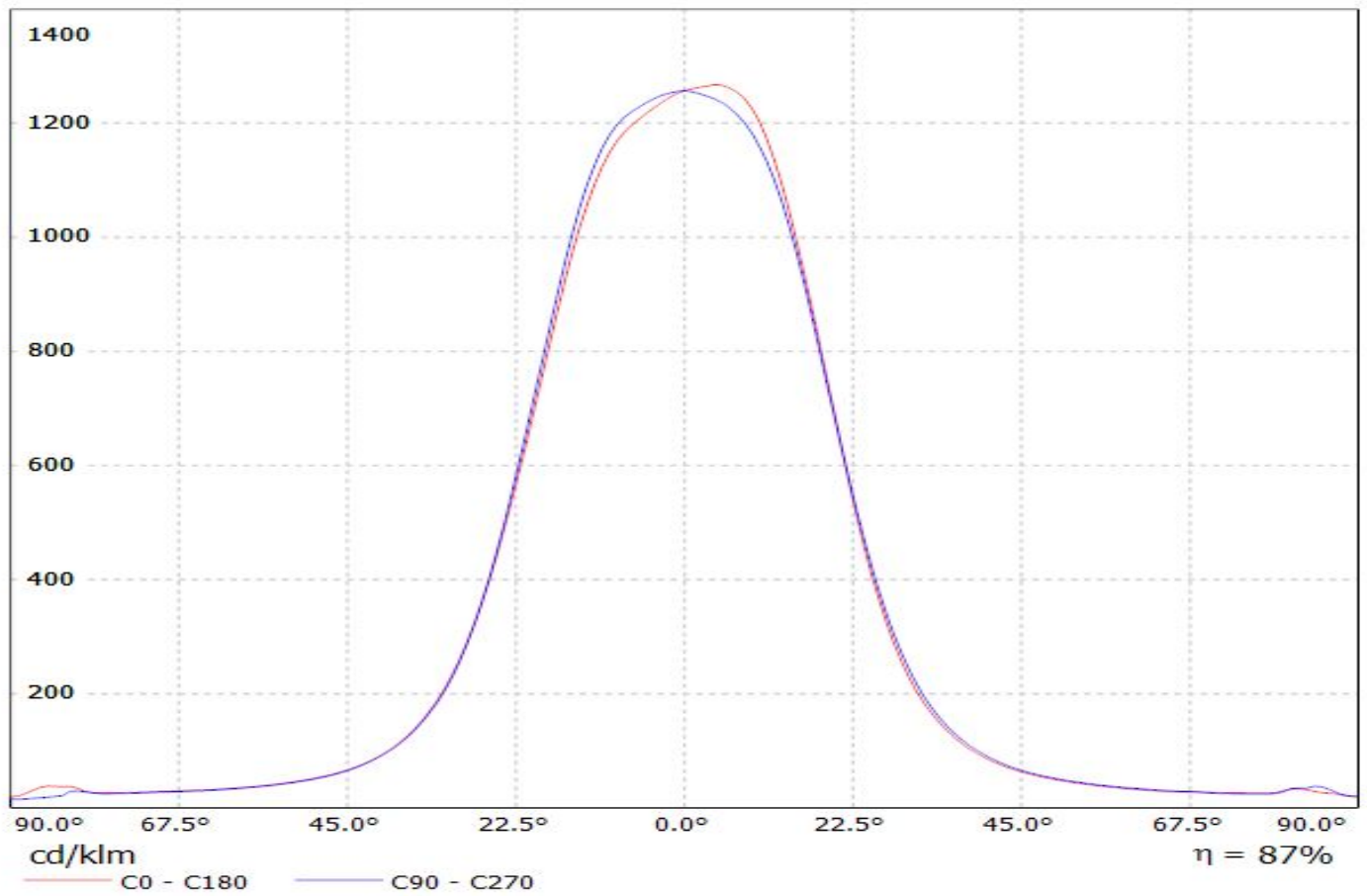


Luminaire: Ledil CA12079\_HEIDI-W2\_(XT-E)

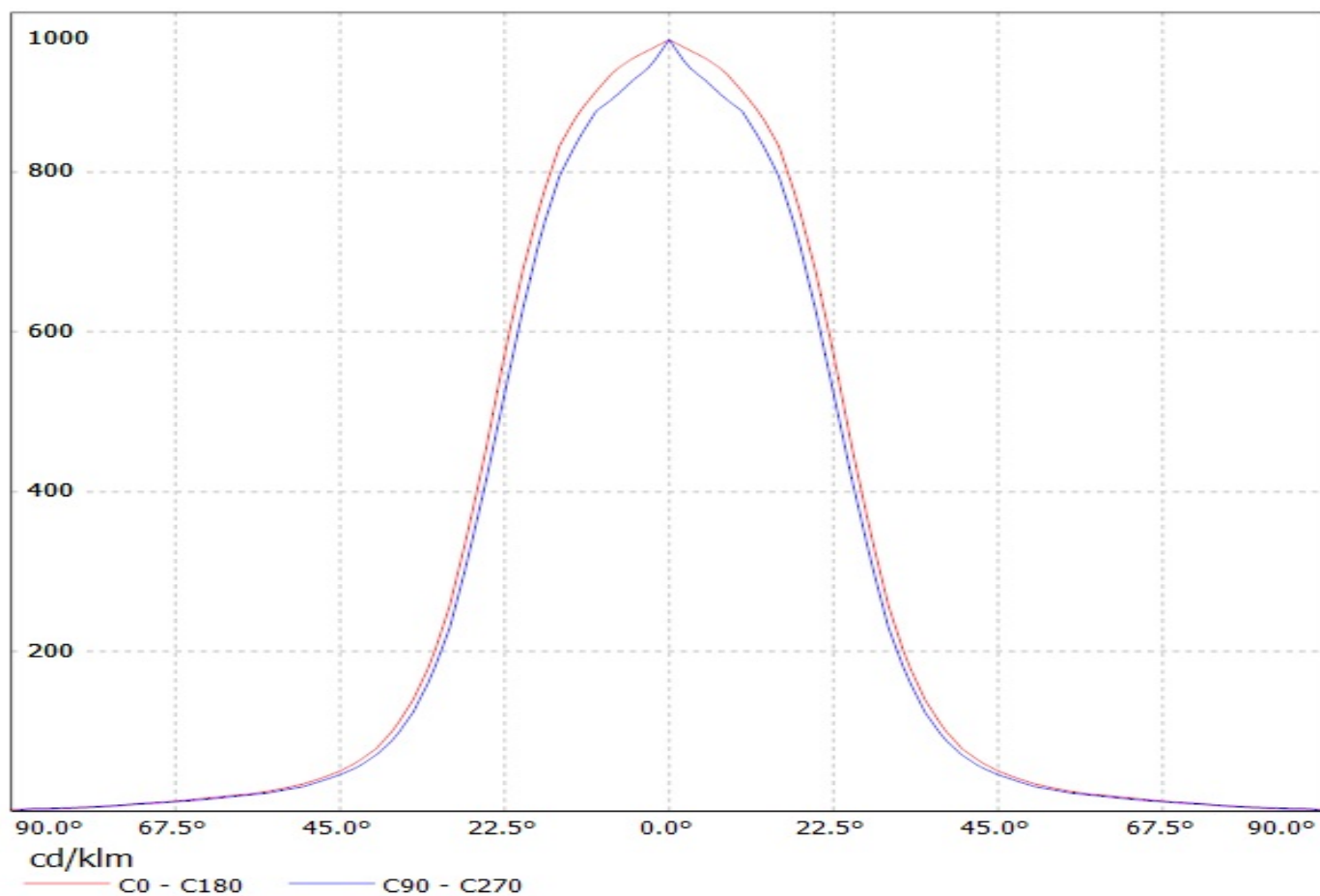
Lamps: 1 x Cree\_XT-E\_(XTEAWT-00-0000-00000HBE8)\_74.3774lm@250mA\_P=0.784925W\_I=0.2500A



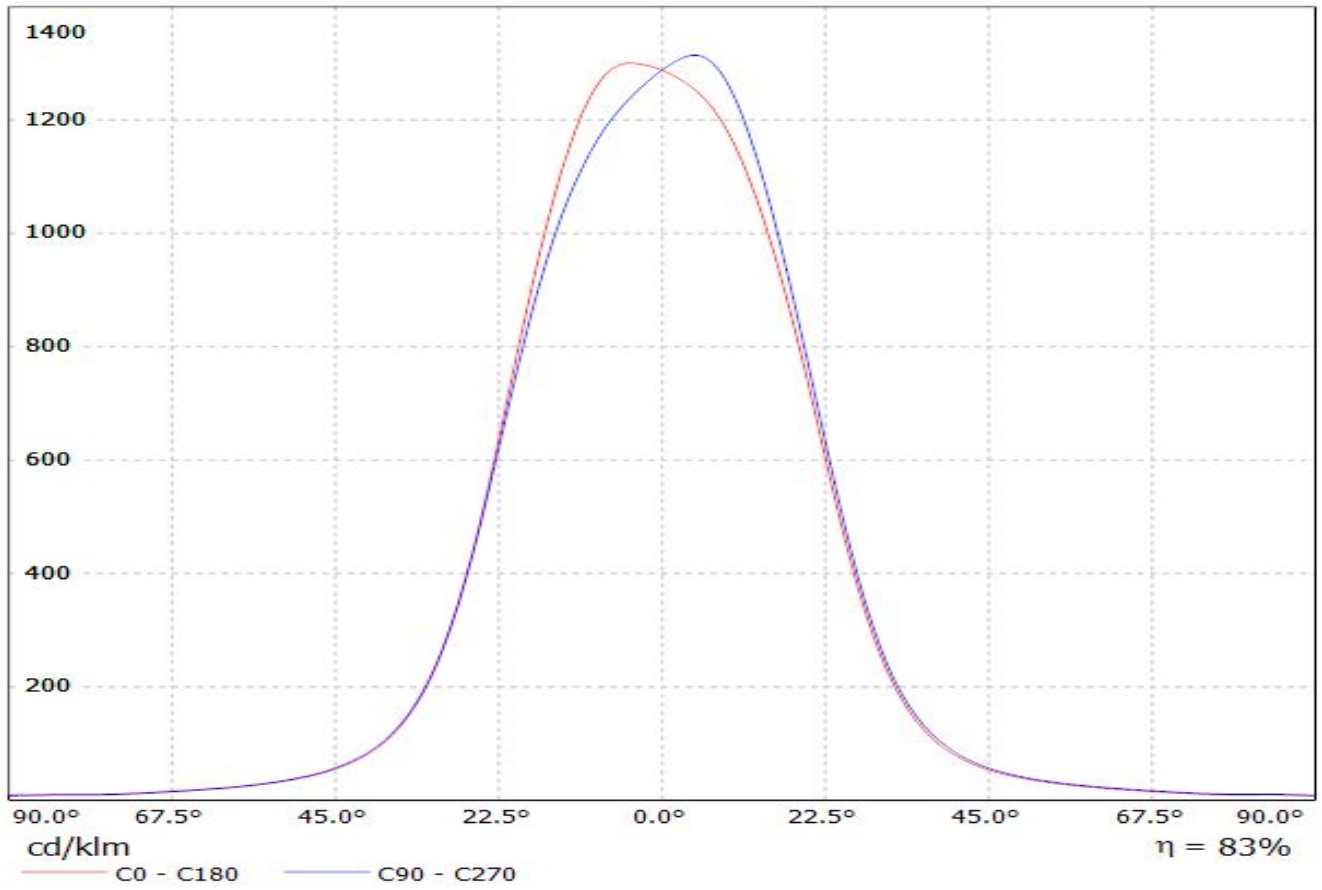
Luminaire: LEDiL Oy CA12079\_HEIDI-W2\_(XQ-E-HI)  
Lamps: 1 x Cree\_XQ-E\_HI\_100.602lm@250mA\_P=0.744629W\_I=0.25A



Luminaire: Ledil Oy CA12079\_Heidi-W2-RE LOR=85%  
Lamps: 1 x Luxeon Rebel 250mA 84lm

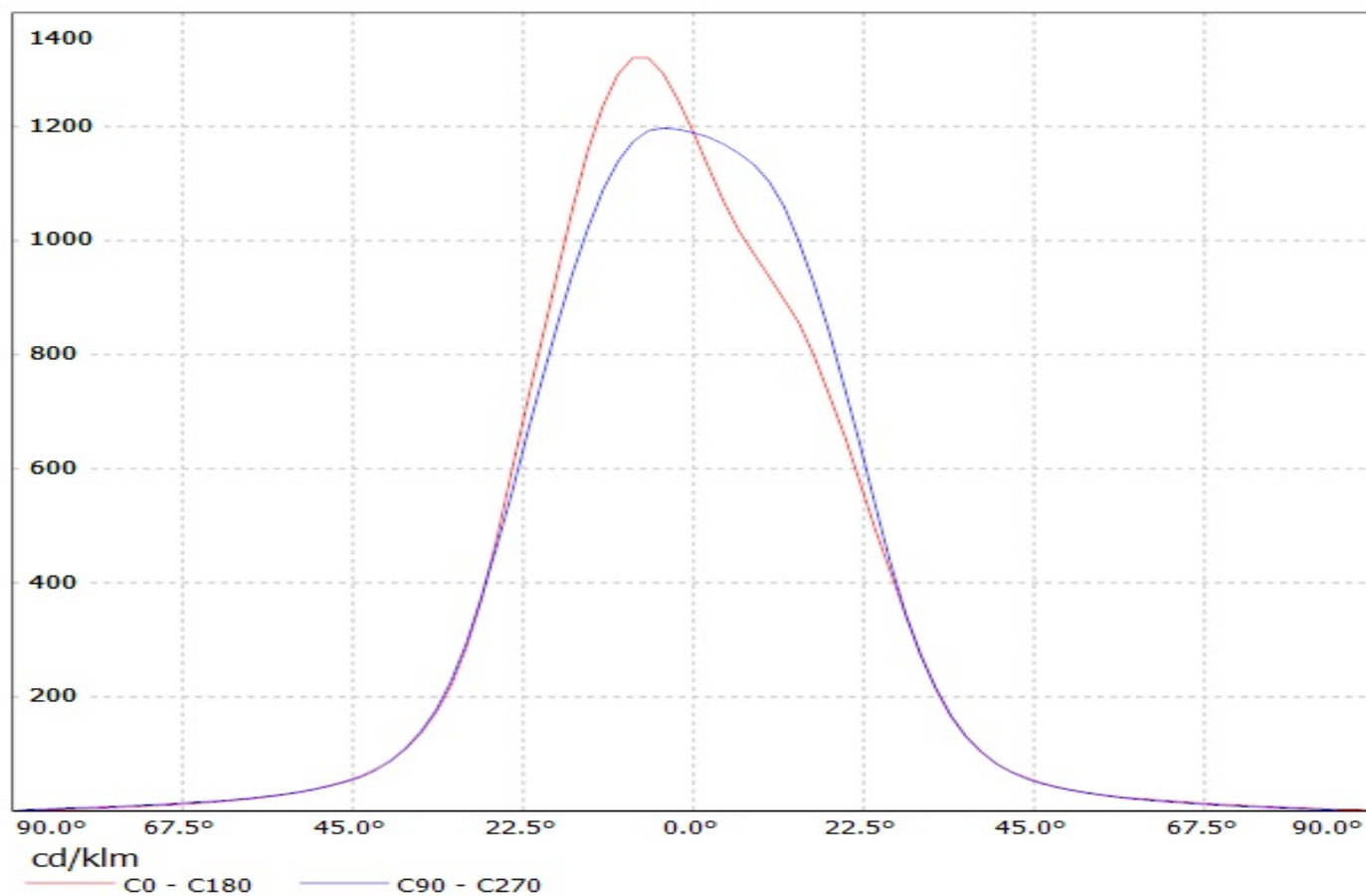


Luminaire: LEDiL Oy CA12079\_HEIDI-W2\_(LUXEON\_T) Eff.83%  
Lamps: 1 x LUXEON T (70lm@250mA)

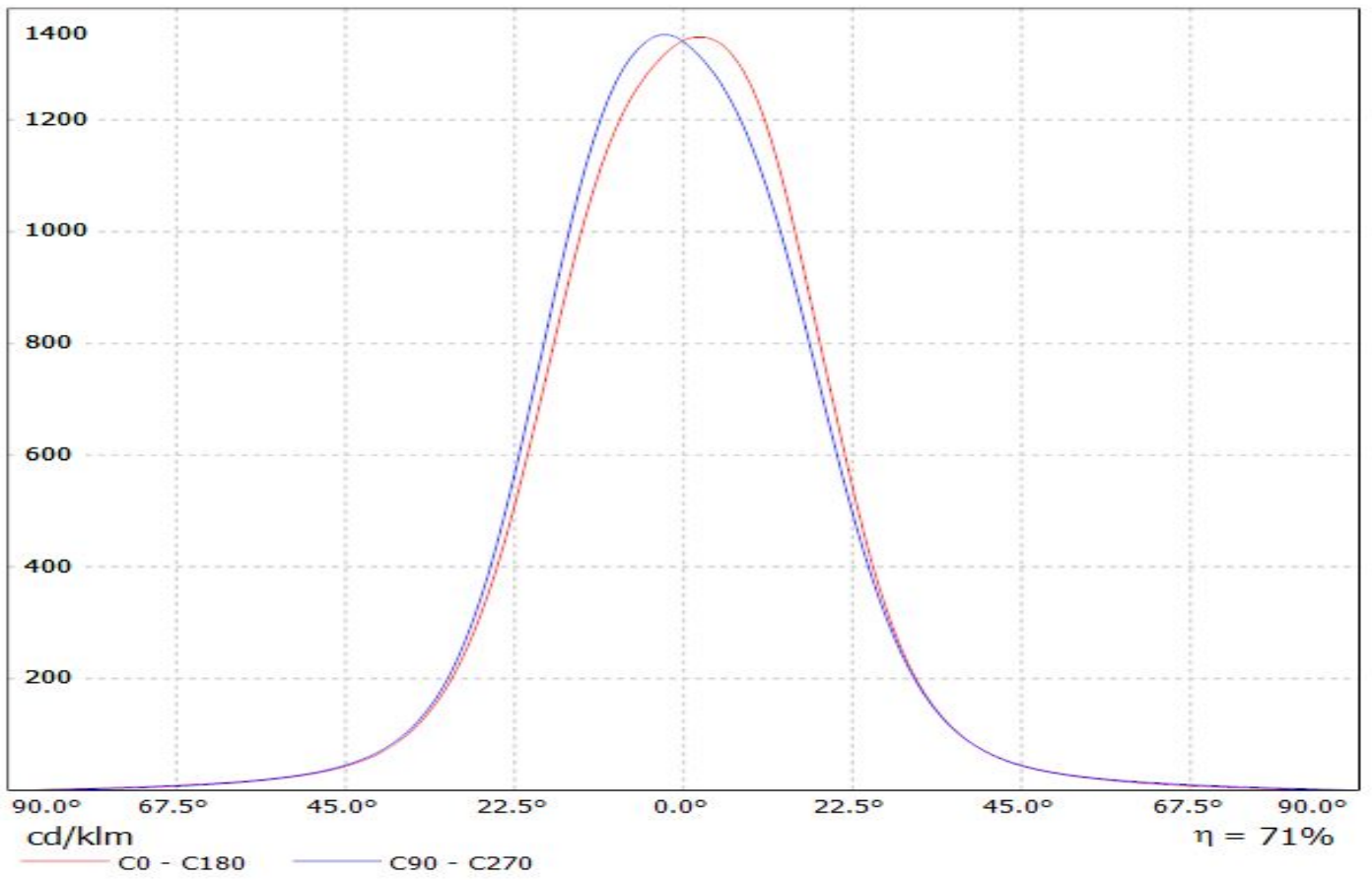




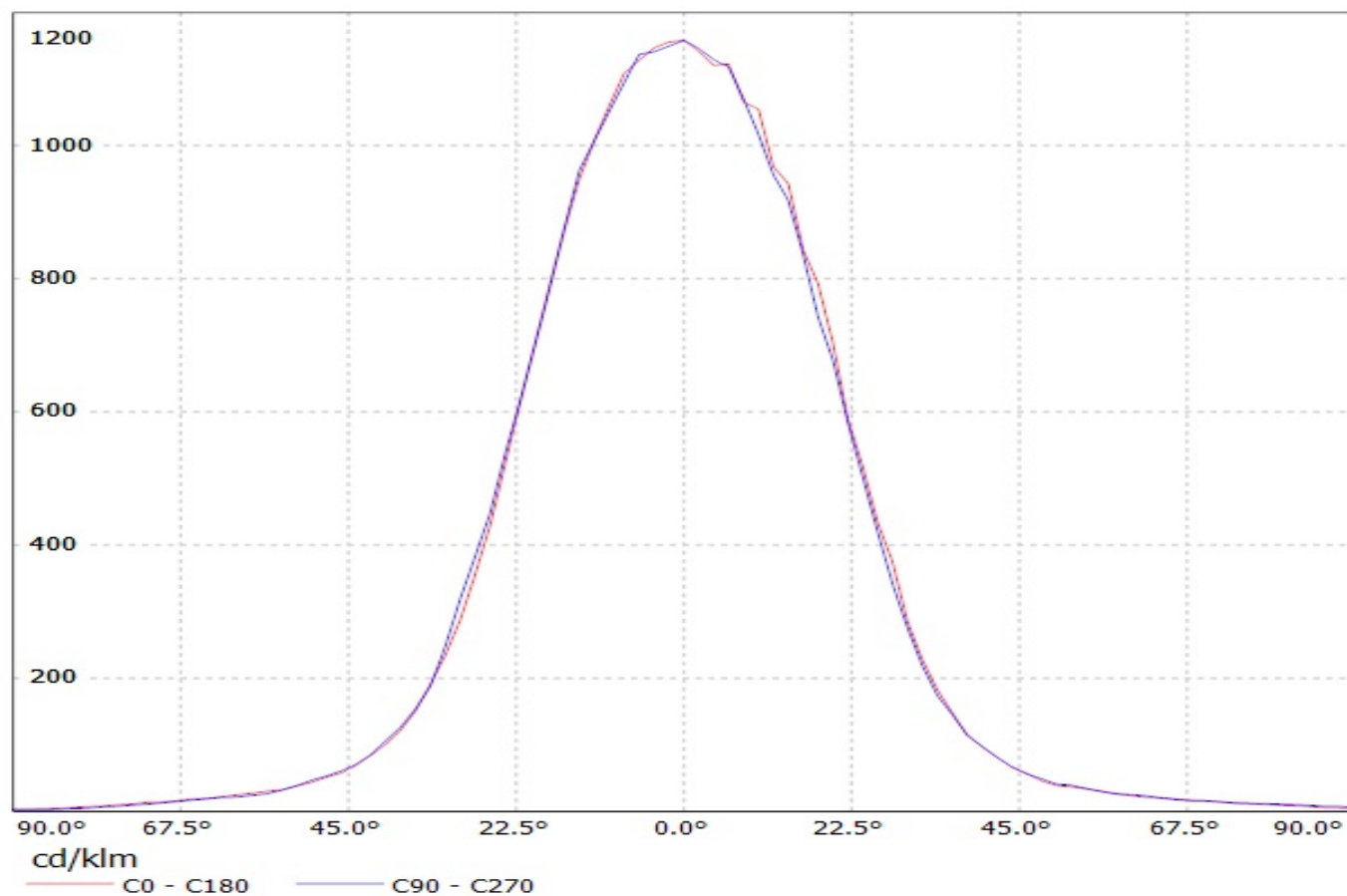
Luminaire: Ledil Oy CA12079\_HEIDI-W2\_(Luxeon\_TX) Efficiency=78%  
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA



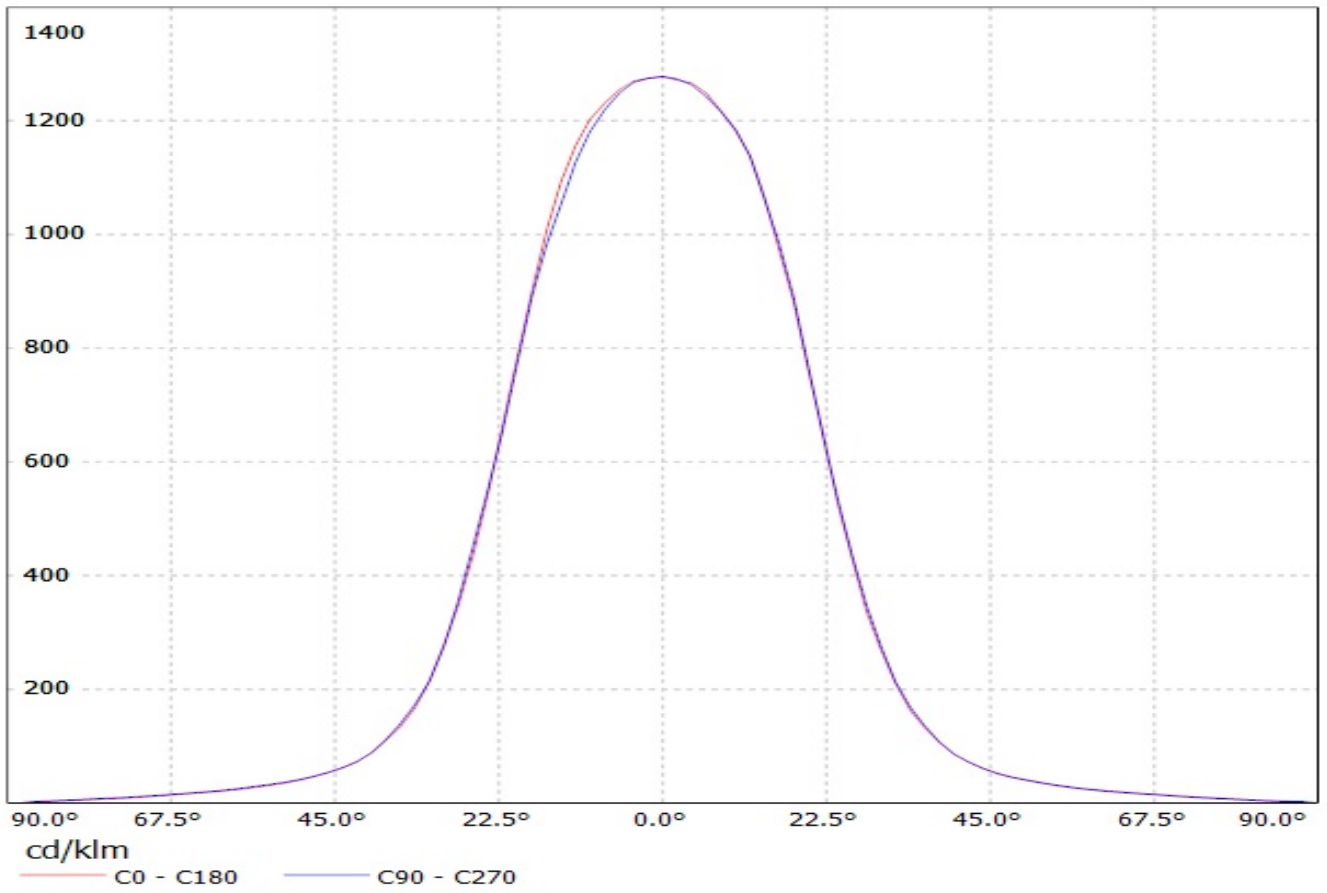
Luminaire: LEDiL Oy CA12079\_HEIDI-W2\_(Luxeon\_C\_WHITE)  
Lamps: 1 x Luxeon\_C\_WHITE\_84.6969lm@250mA\_P=0.7410W\_I=0.250A



Luminaire: Ledil Oy CA12079\_HEIDI-W2 (Nichia 219B 109lm @ 250mA) Efficiency=77%  
Lamps: 1 x Nichia 219B 109lm @ 250mA

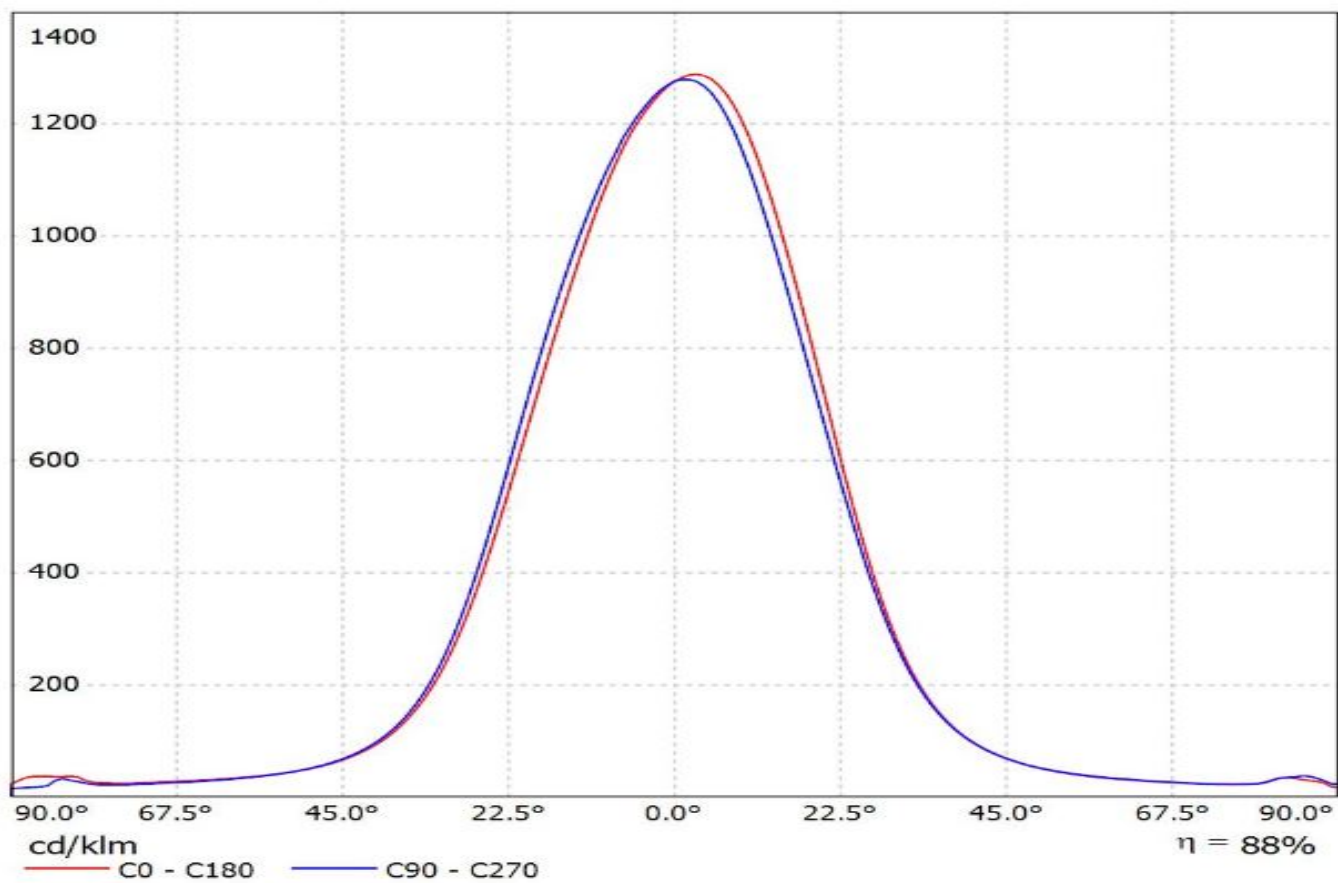


Luminaire: Ledil Oy CA12079\_HEIDI-W2\_(NCSxx19B) Efficiency=78%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



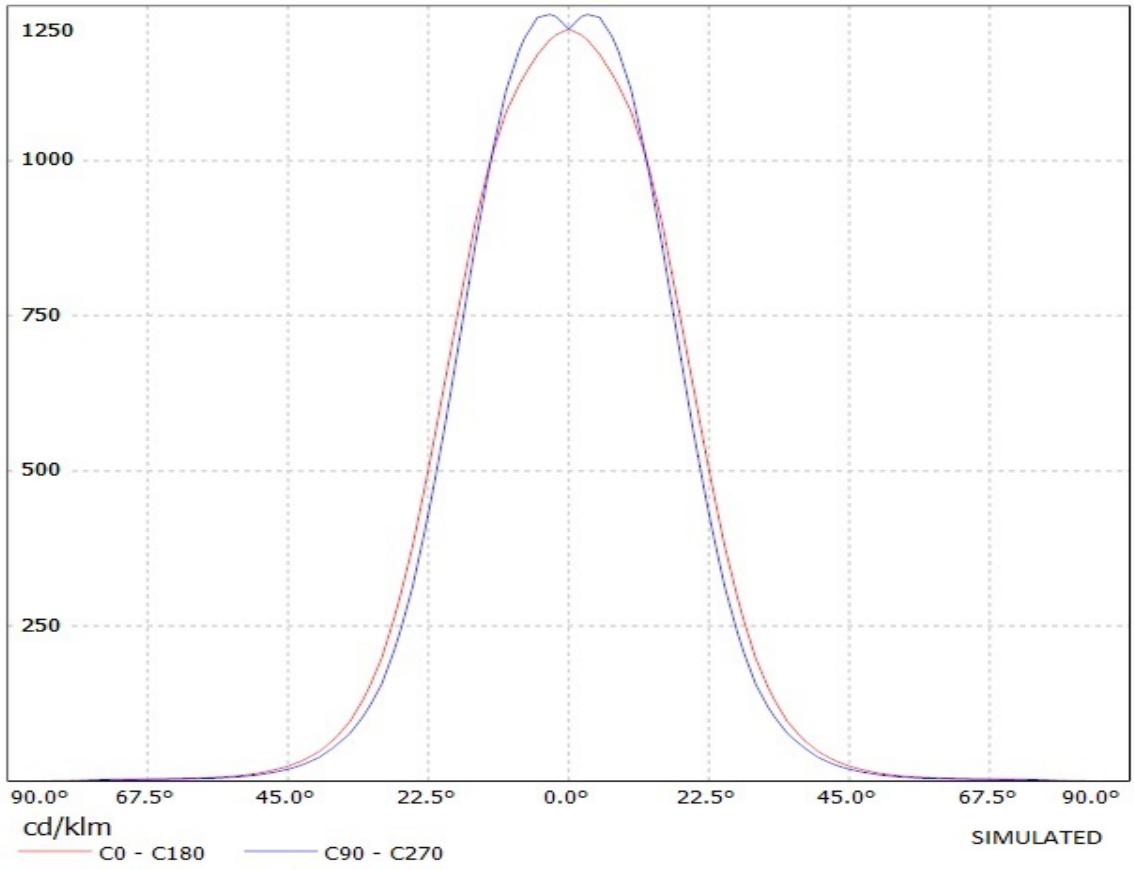
Luminaire: LEDiL Oy CA12079\_HEIDI-W2\_(NVSW3x9A)

Lamps: 1 x Nichia\_NVSW3x9A\_(sm405/R70)\_122.259lm@250mA\_P=0.705535W\_I=0.250A



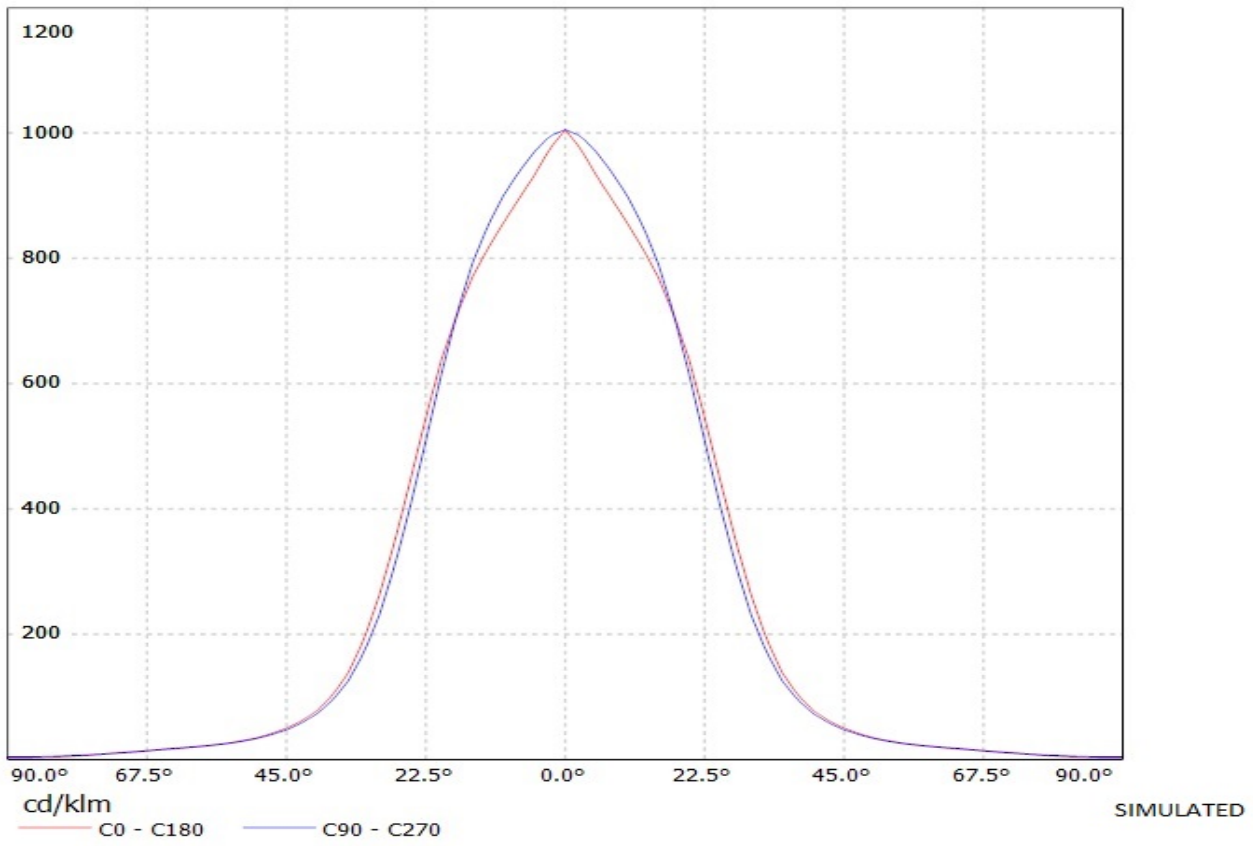
Ledil Oy CA12079\_Heidi-W2-OSL150 LOR=81% / LDC (Linear)

Luminaire: Ledil Oy CA12079\_Heidi-W2-OSL150 LOR=81%  
Lamps: 1 x Osram OSL150 109lm 150mA



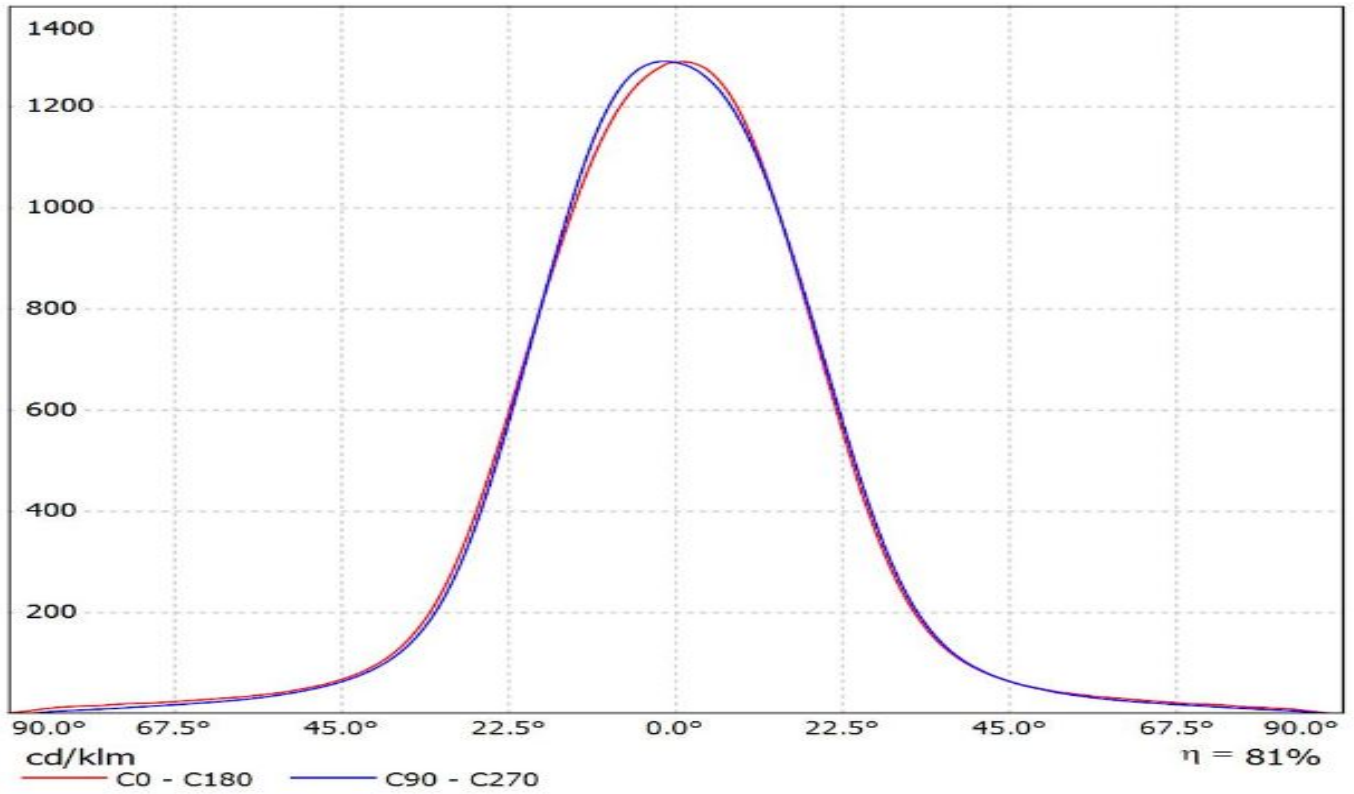
**Ledil Oy CA12079\_Heidi-W2-OSL LOR=80% / LDC (Linear)**

Luminaire: Ledil Oy CA12079\_Heidi-W2-OSL LOR=80%  
Lamps: 1 x Osram OSL80 250mA 85lm



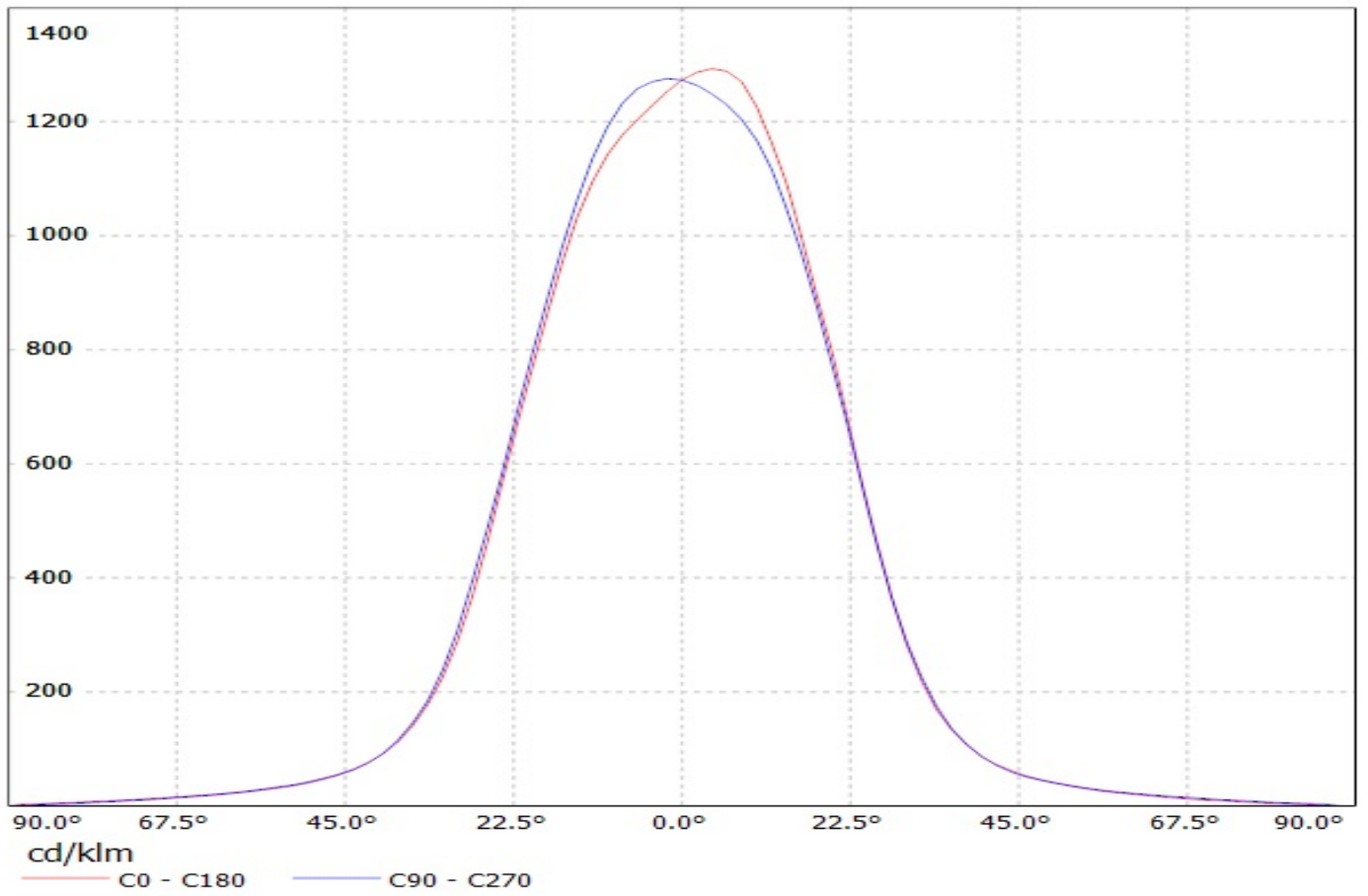
**Ledil CA12079\_HEIDI-W2\_(Fortimo\_FastFlex\_LED\_board 2x8-757\_DS\_G3) /  
LDC (Linear)**

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

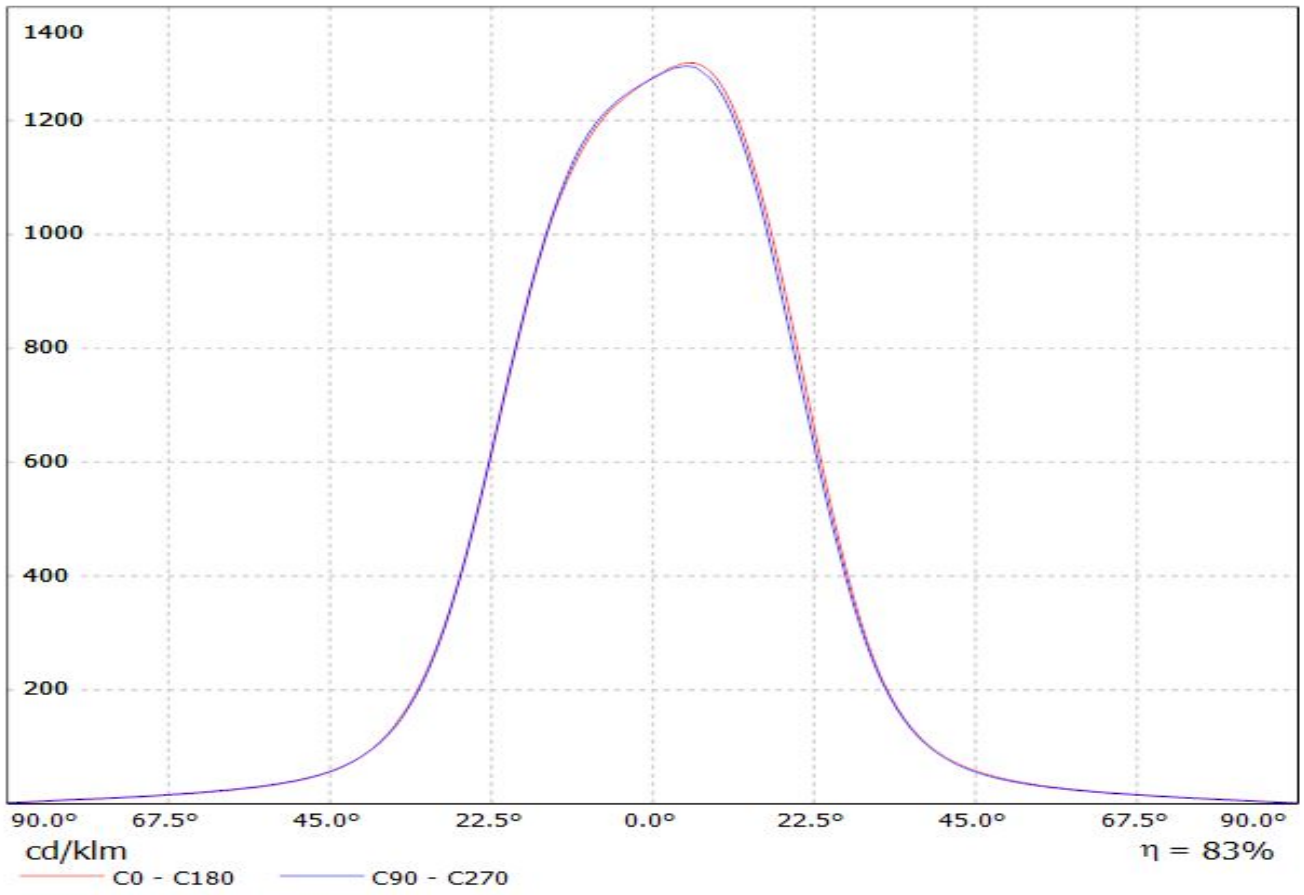




Luminaire: Ledil Oy CA12079\_HEIDI-W2\_(LH351Z) Efficiency=82%  
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



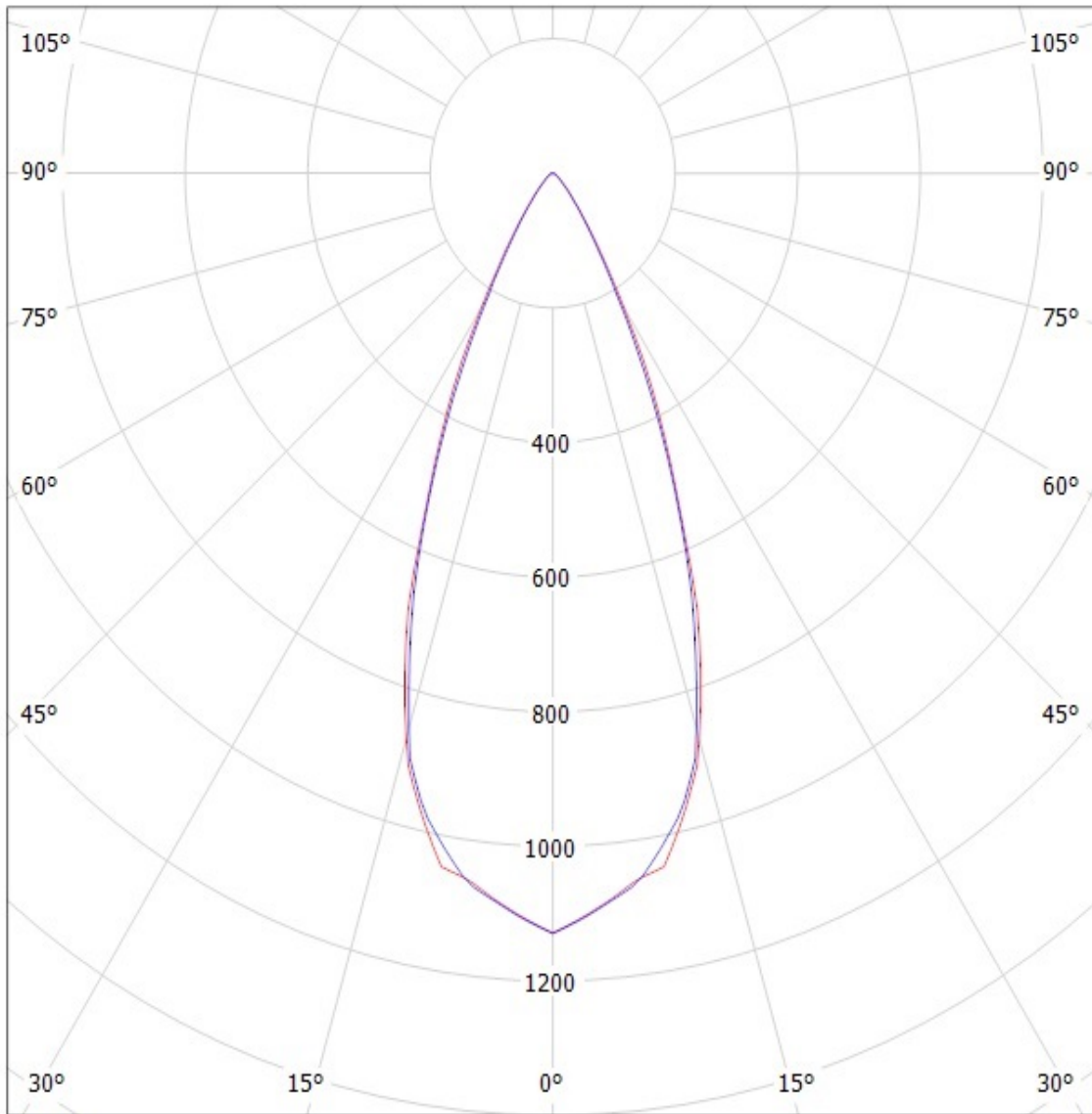
Luminaire: LEDiL Oy CA12079\_HEIDI-W2\_(Seoul\_Z5M1)  
Lamps: 1 x Seoul\_Z5M1\_107.648lm@250mA\_CCT=9074K\_P=0.739754W\_I=249.9mA



# 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



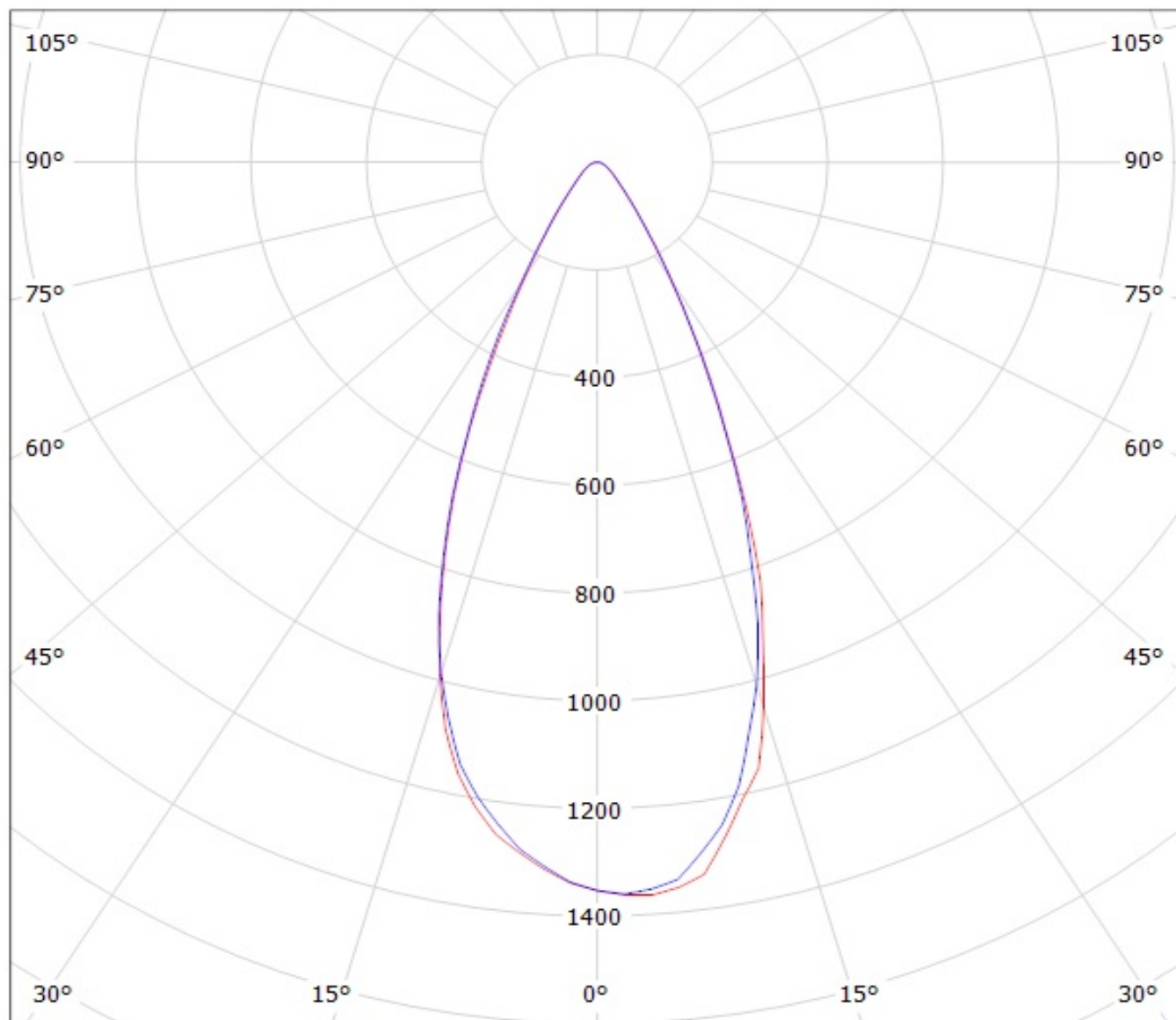
cd/klm

— 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

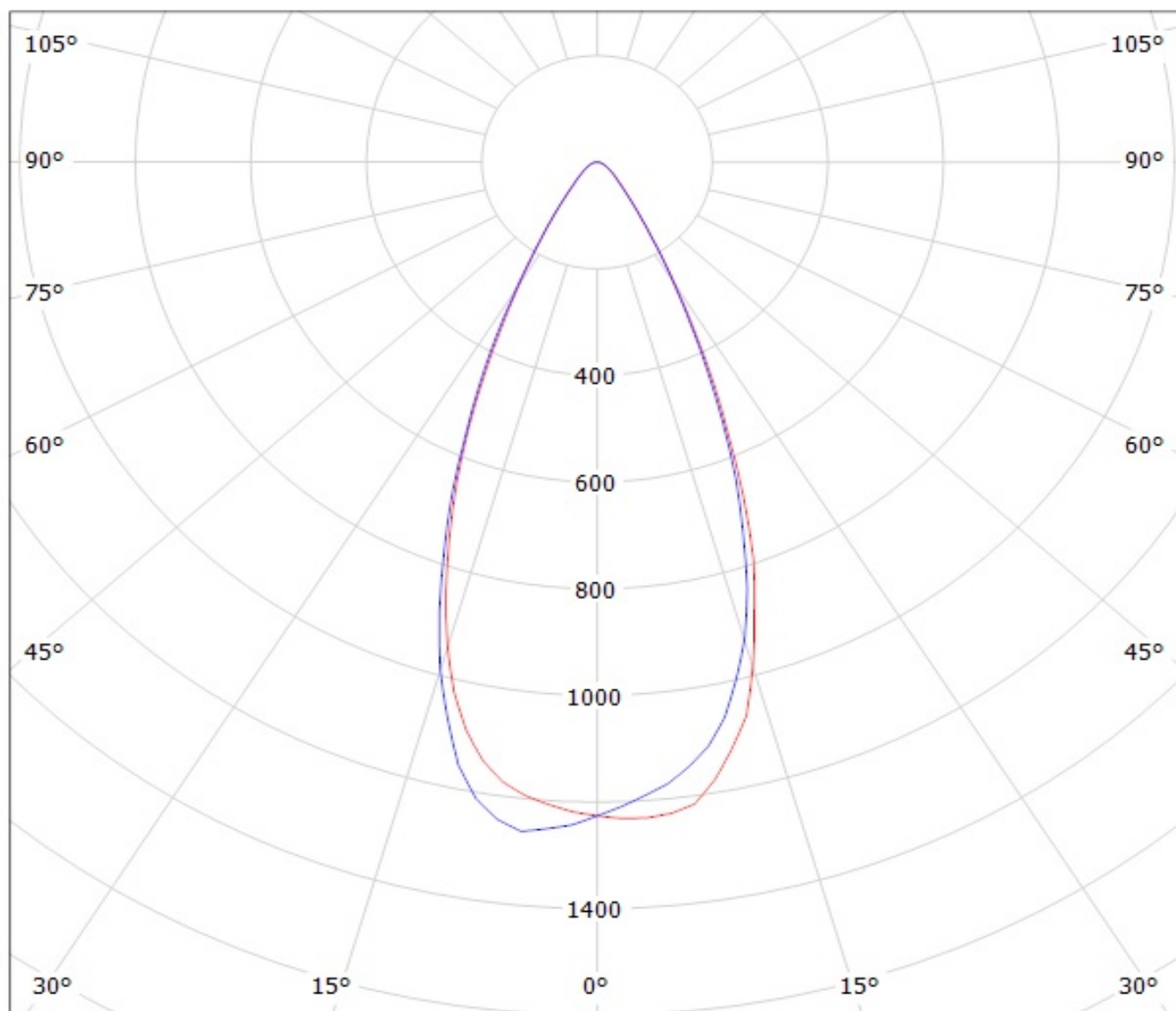


cd/klm

— C0 - C180

— C90 - C270

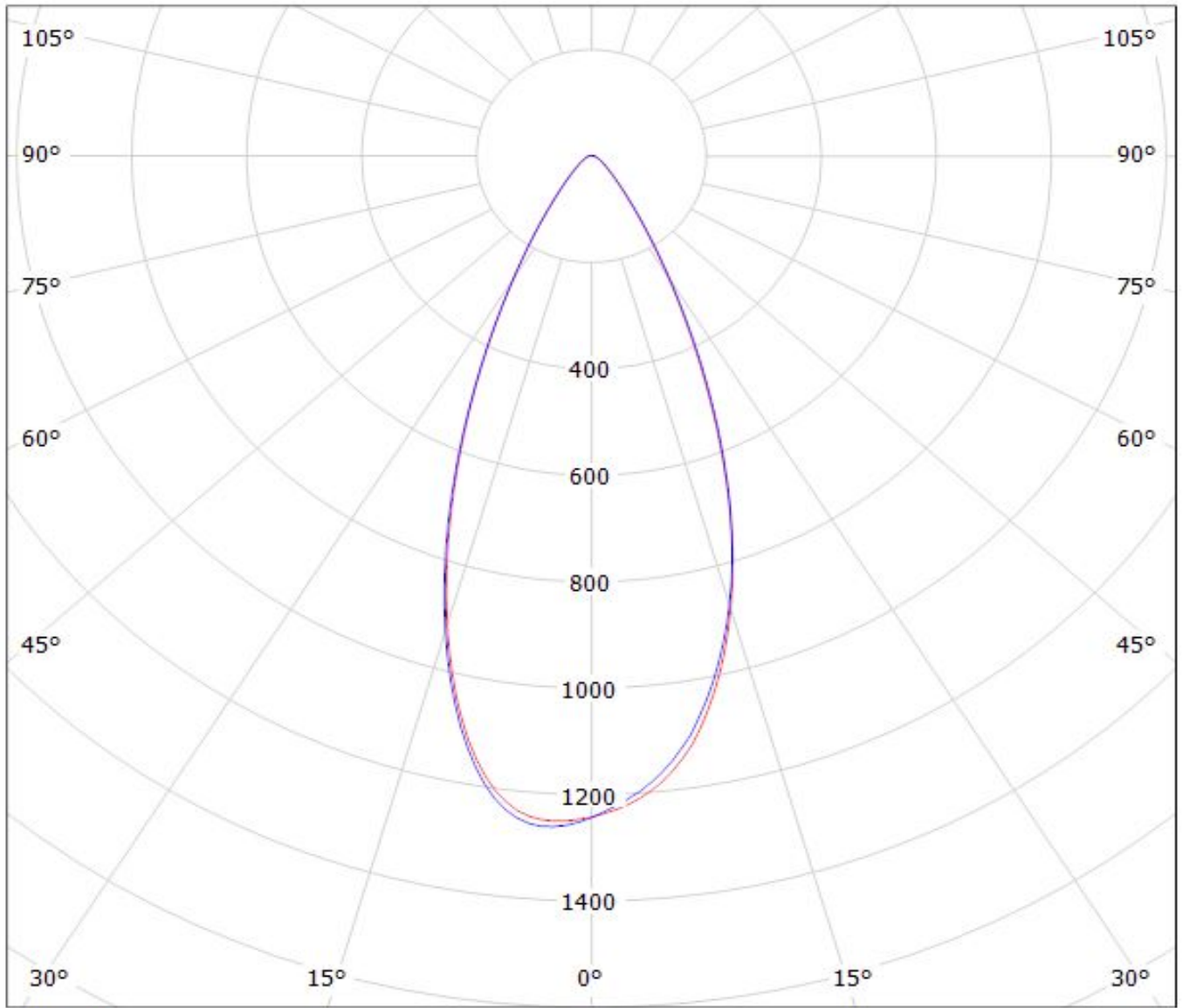
Luminaire: LEDil Oy CA12079\_HEIDI-W2\_(XP-G2) Efficiency=80%  
Lamps: 1 x Cree XP-G2 (103lm @ 250mA) CCT=6600K P=0.7W I=250mA



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

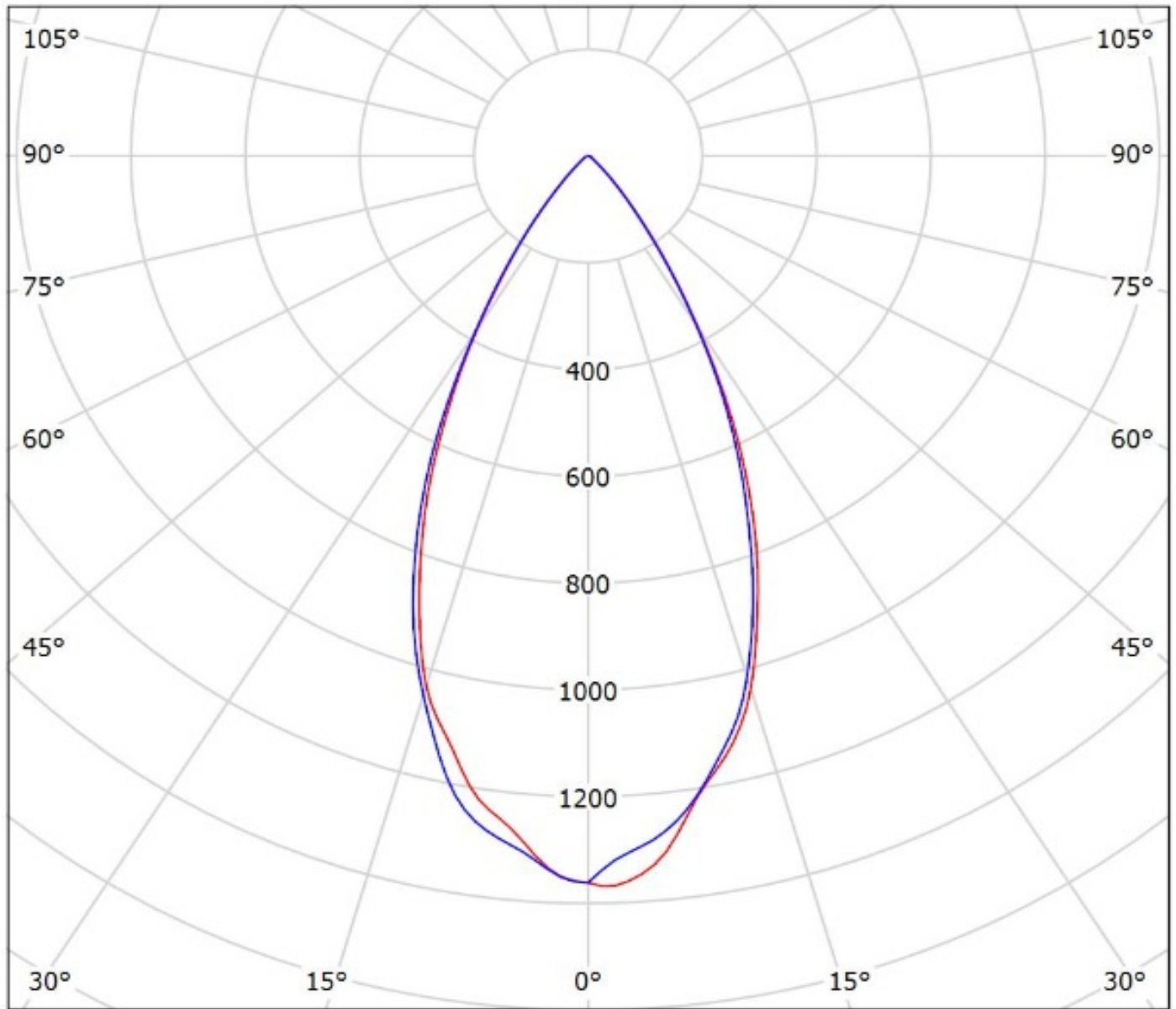


cd/klm

— C0 - C180    — C90 - C270

$\eta = 79\%$

Luminaire: Ledil Oy CA12079\_HEIDI-W2\_(XHP35\_HD)\_SIMULATED  
Lamps: 1 x Cree XHP35 HD



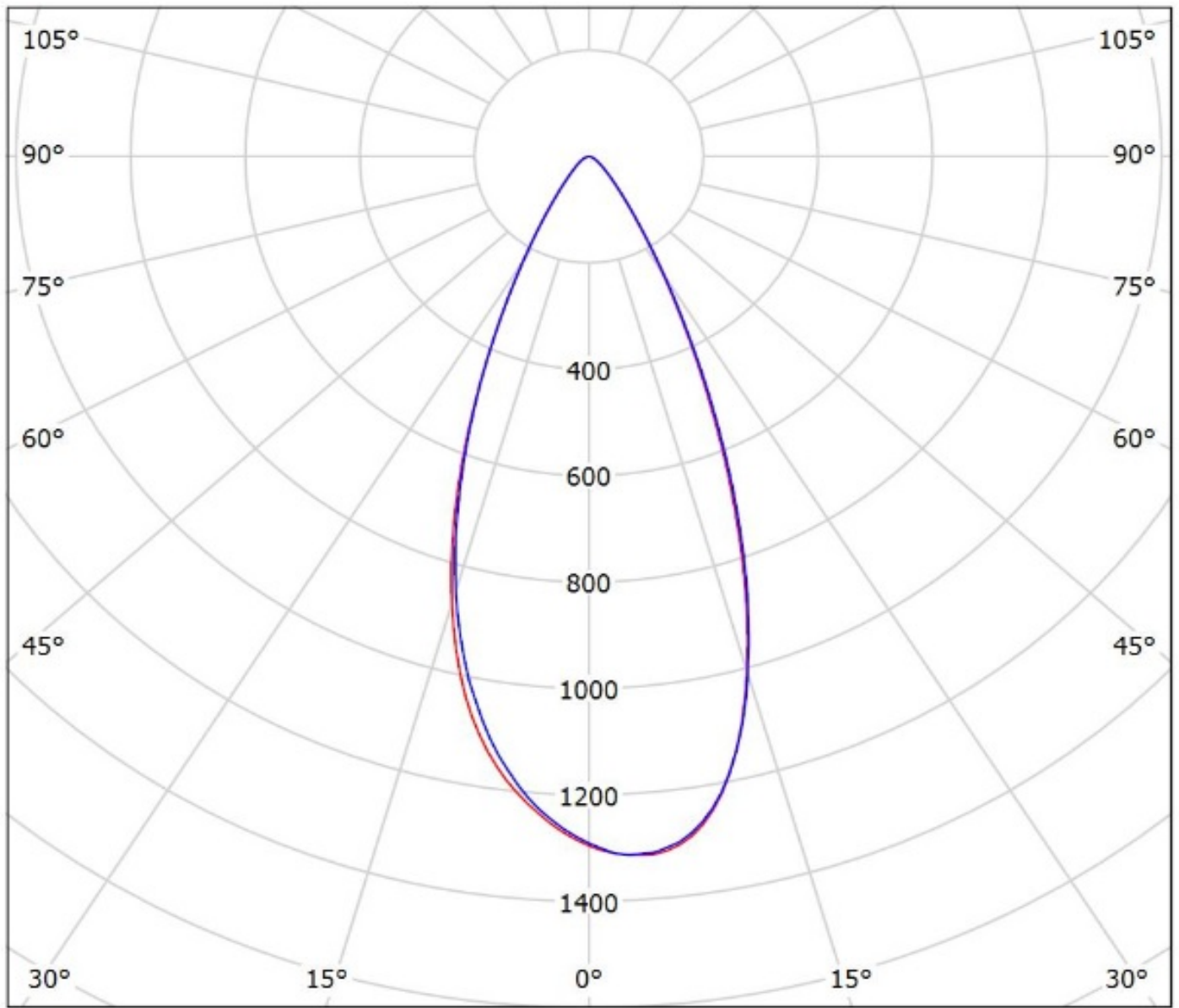
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

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

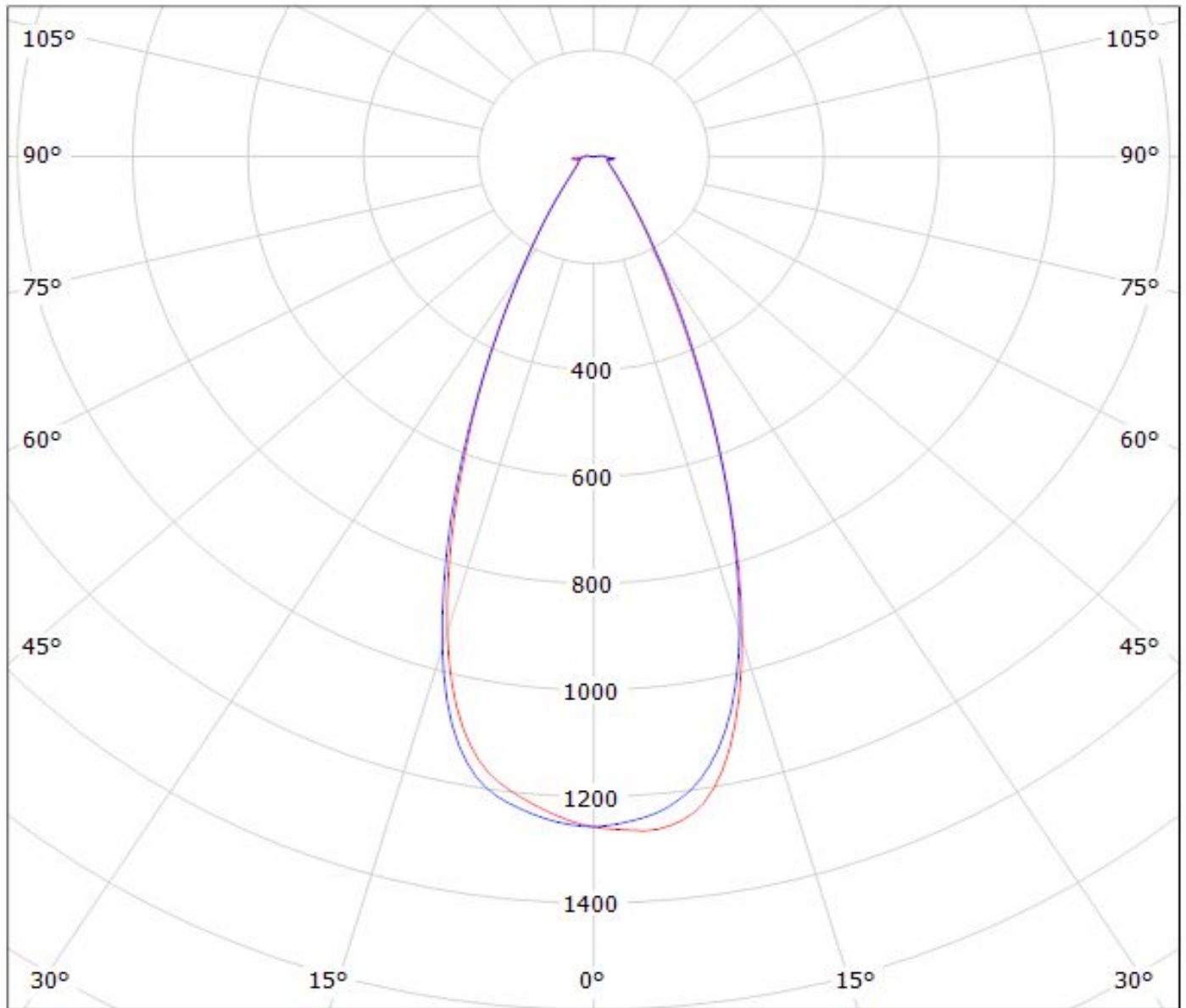
— C0 - C180 — C90 - C270

$\eta = 75\%$



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

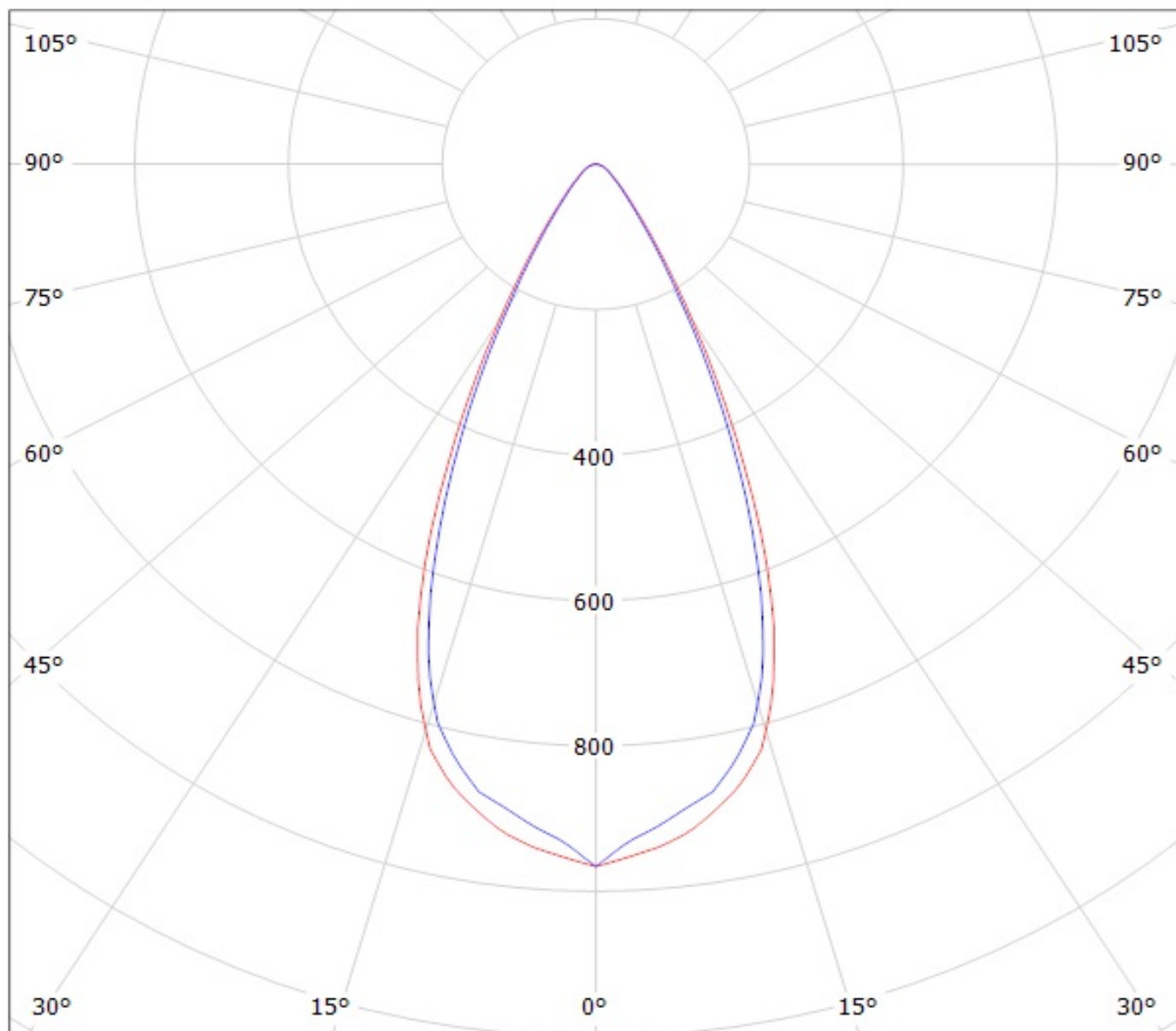
— C0 - C180

— C90 - C270

$\eta = 87\%$

Luminaire: Ledil Oy CA12079\_Heidi-W2-RE LOR=85%

Lamps: 1 x Luxeon Rebel 250mA 84lm

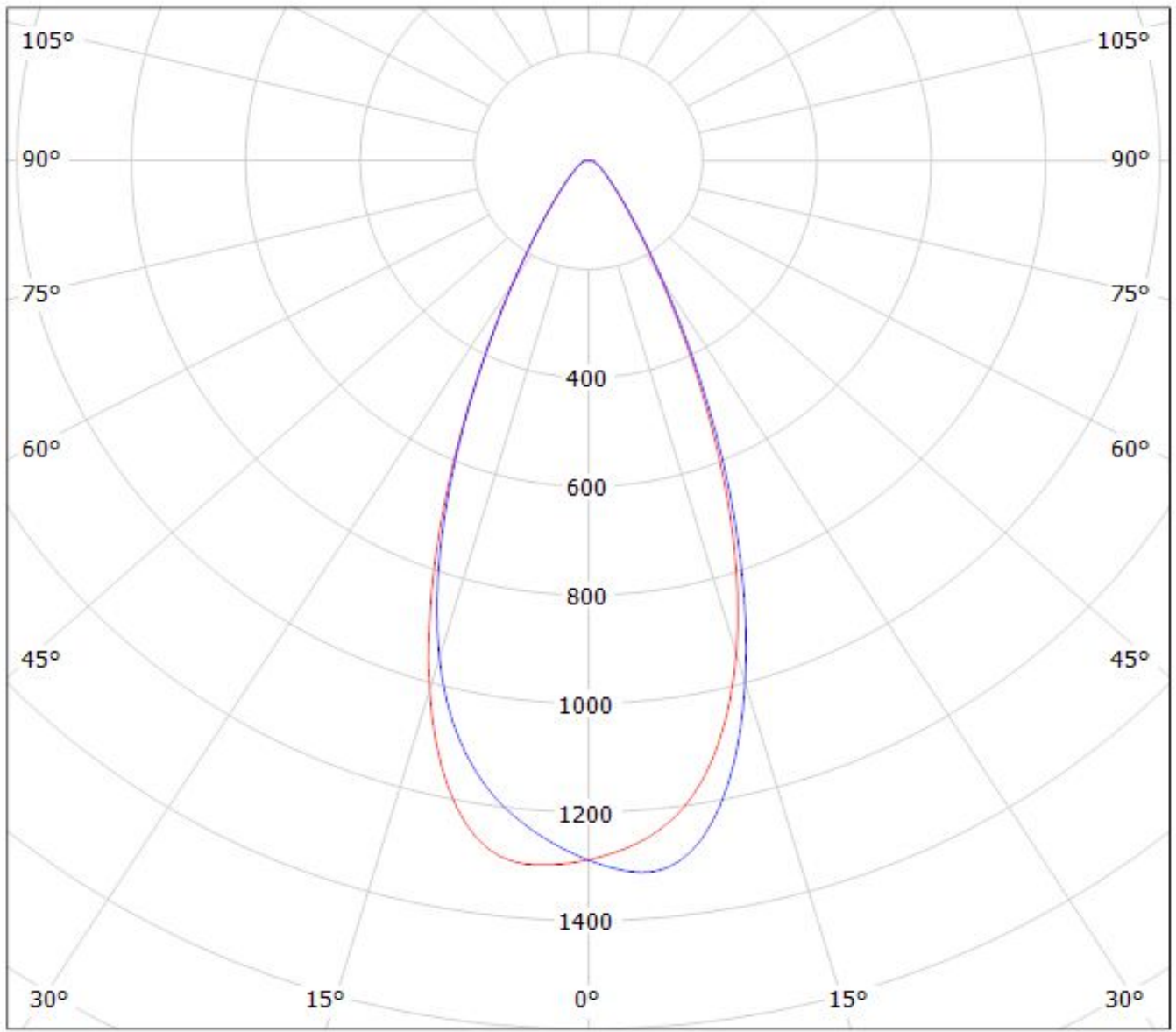


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA12079\_HEIDI-W2\_(LUXEON\_T) Eff.83%  
Lamps: 1 x LUXEON T (70lm@250mA)

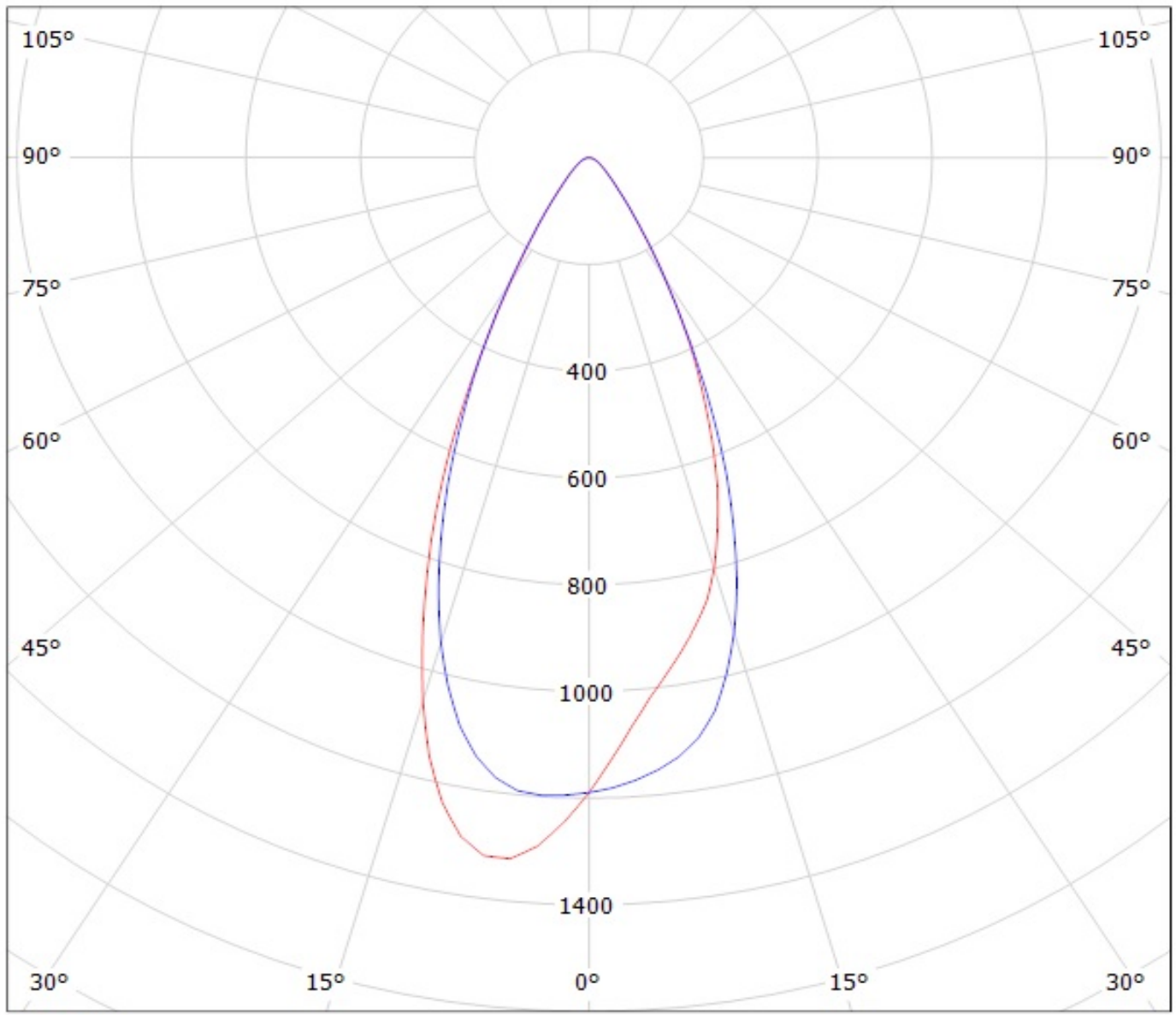


cd/klm

$\eta = 83\%$

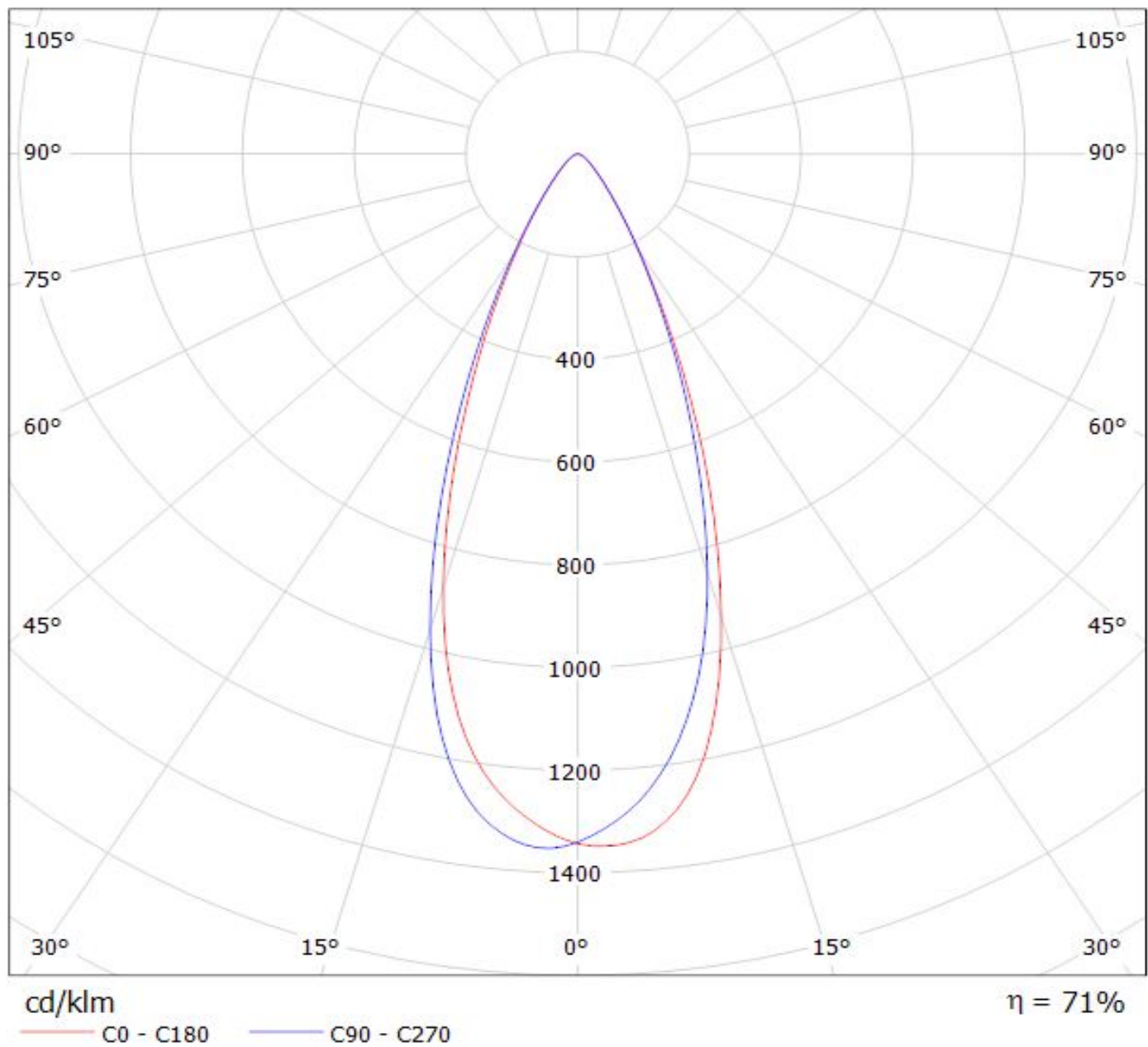
— C0 - C180    — C90 - C270

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

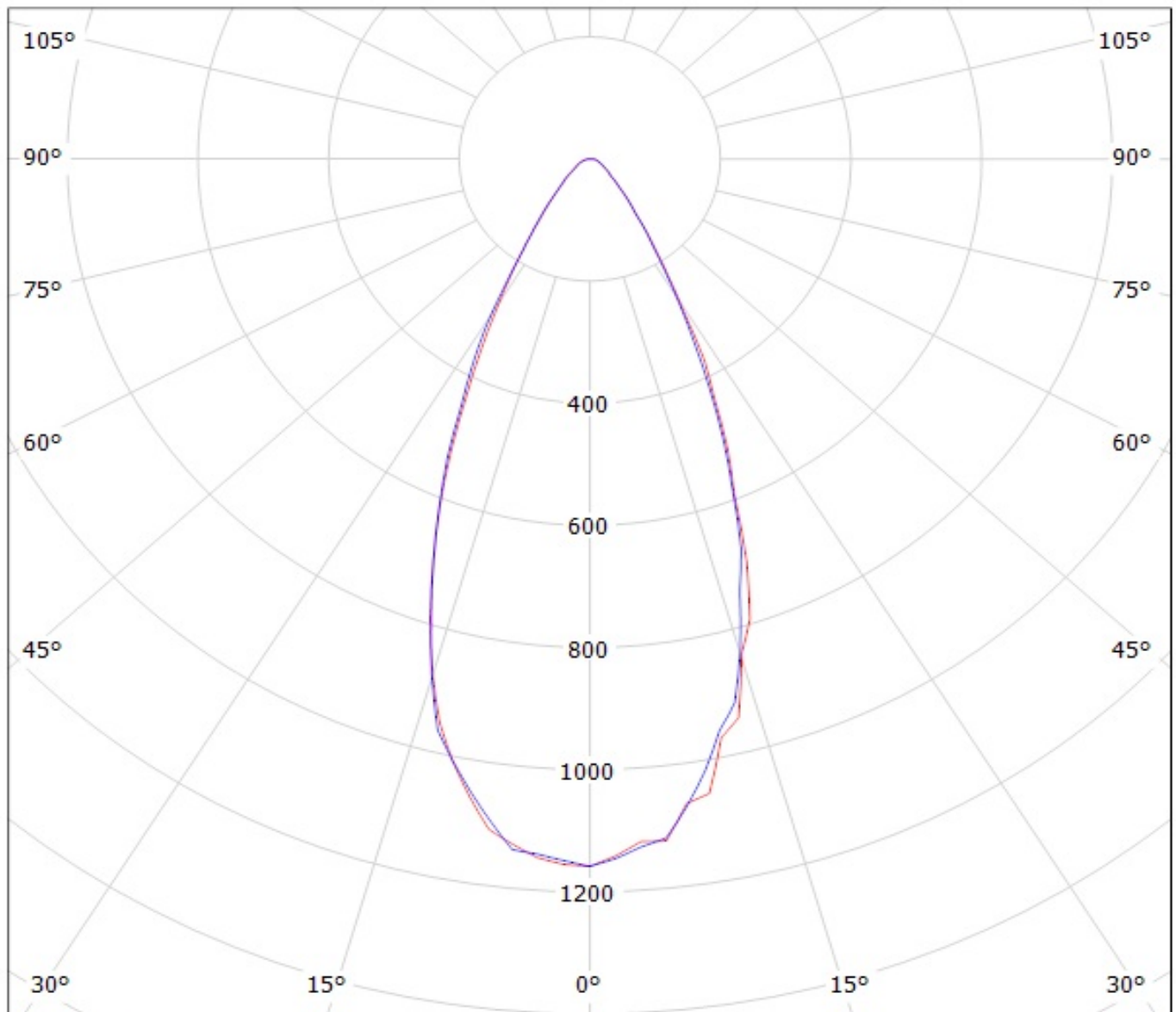


cd/klm  
— C0 - C180 — C90 - C270

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

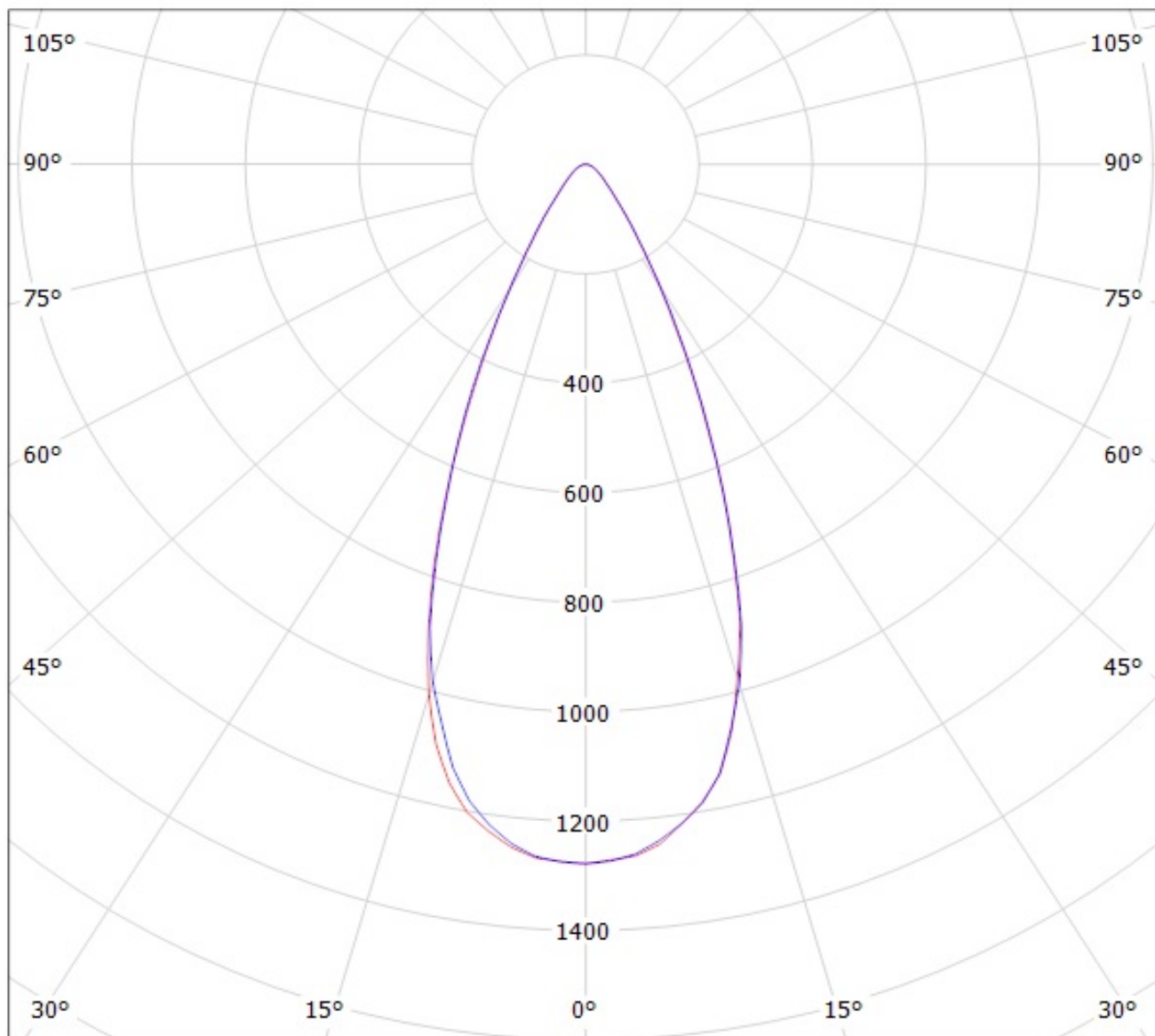


cd/klm

— 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



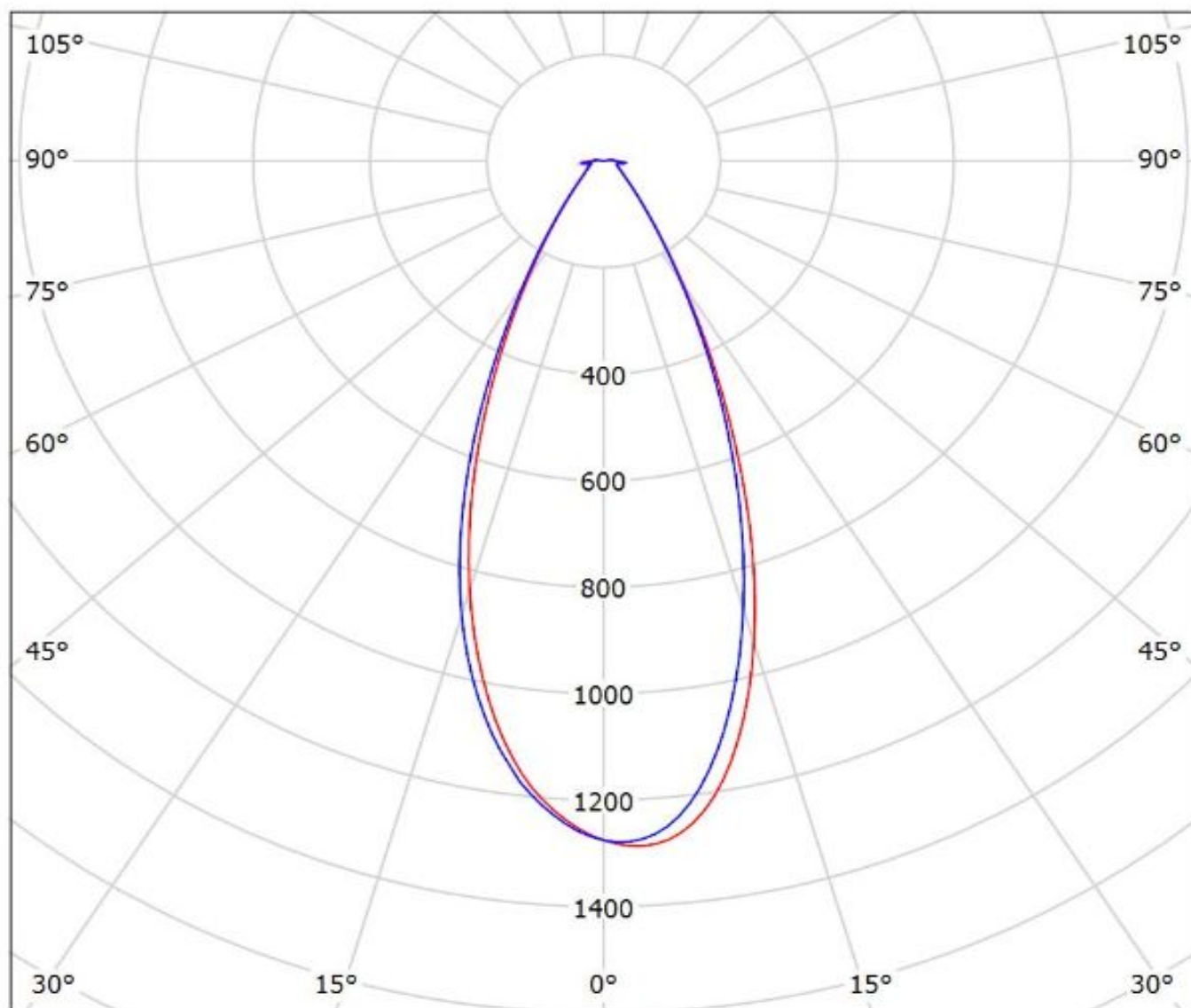
cd/klm

— 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

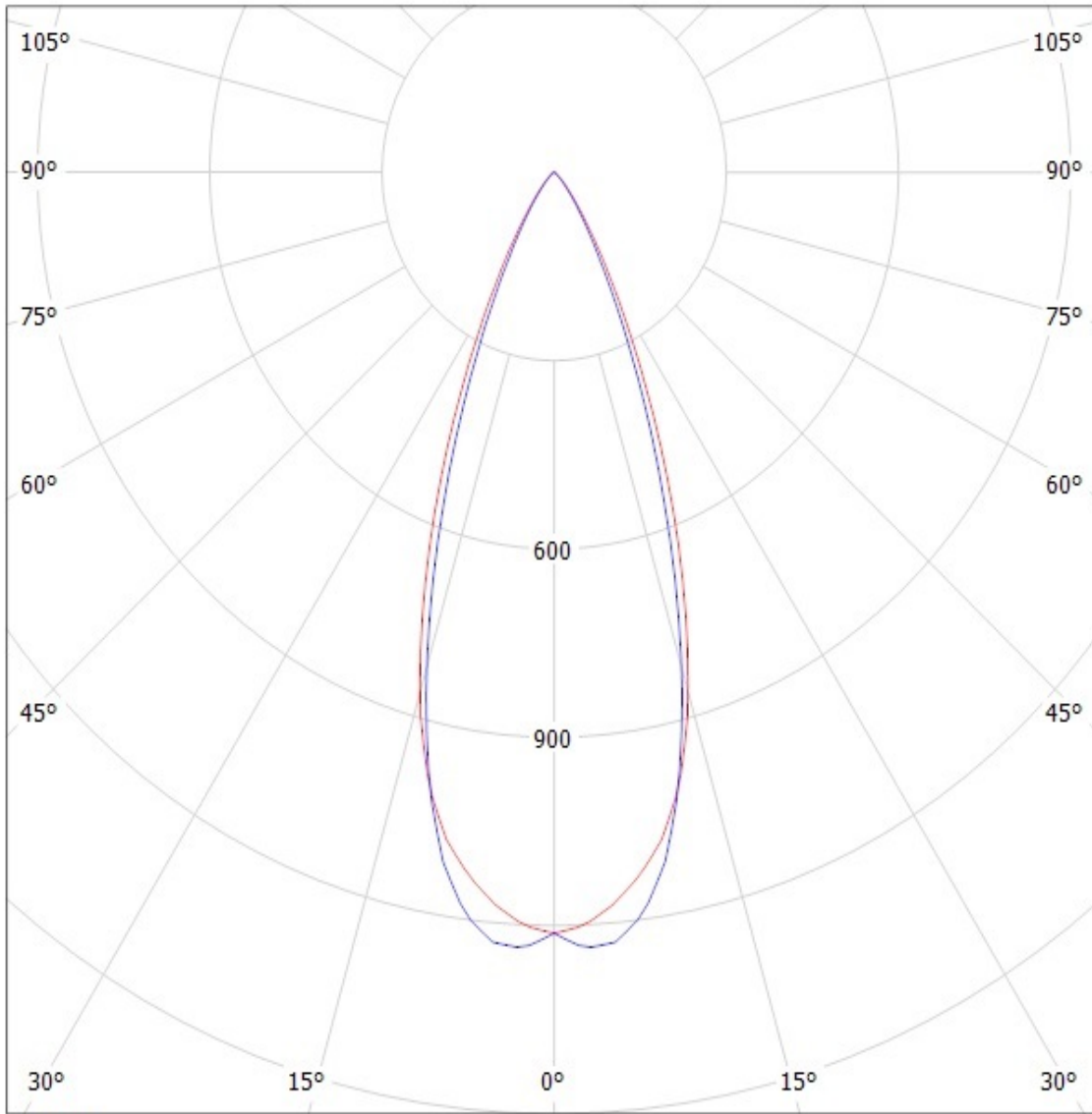
$\eta = 88\%$



# 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

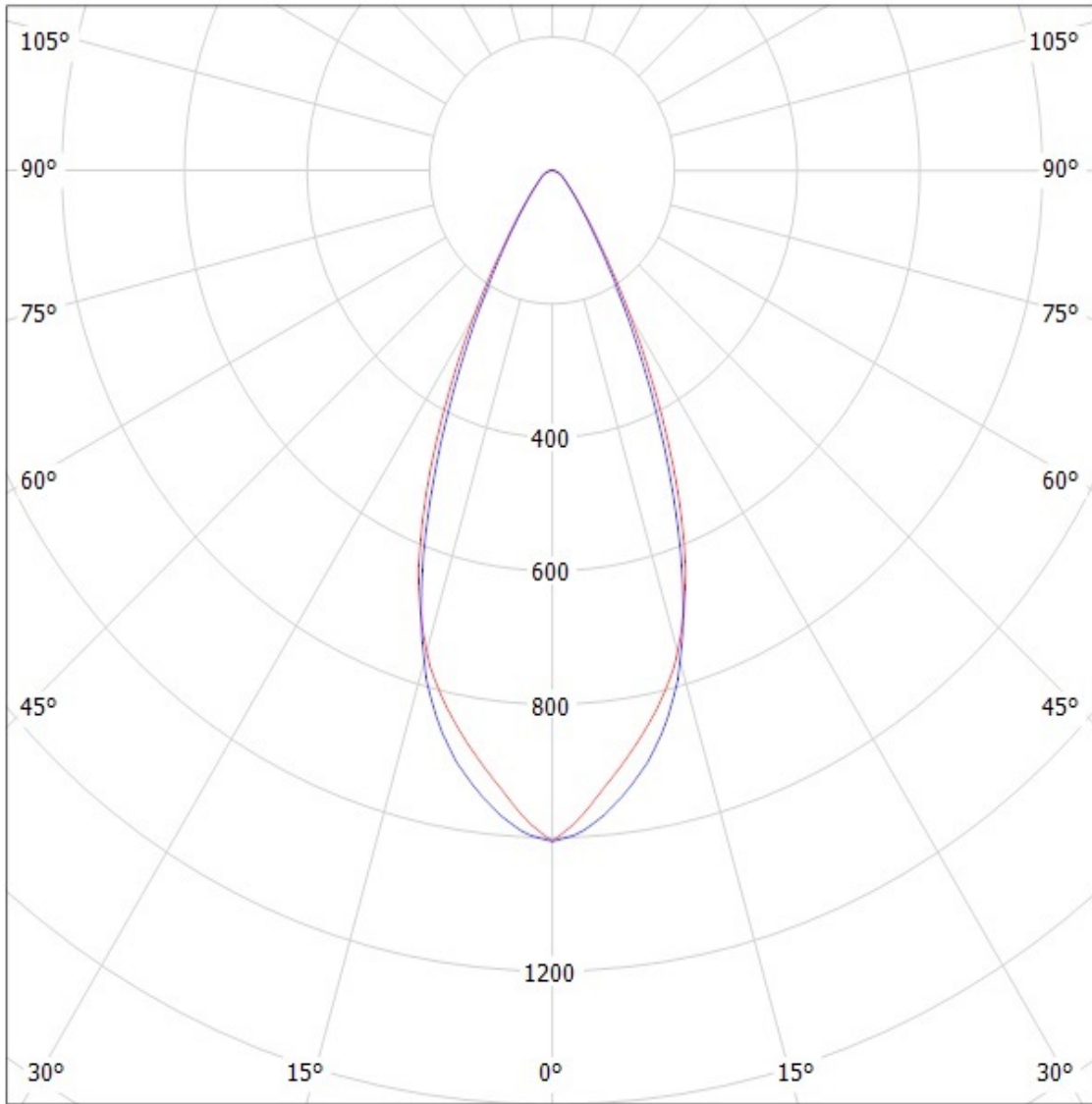
— C90 - C270

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

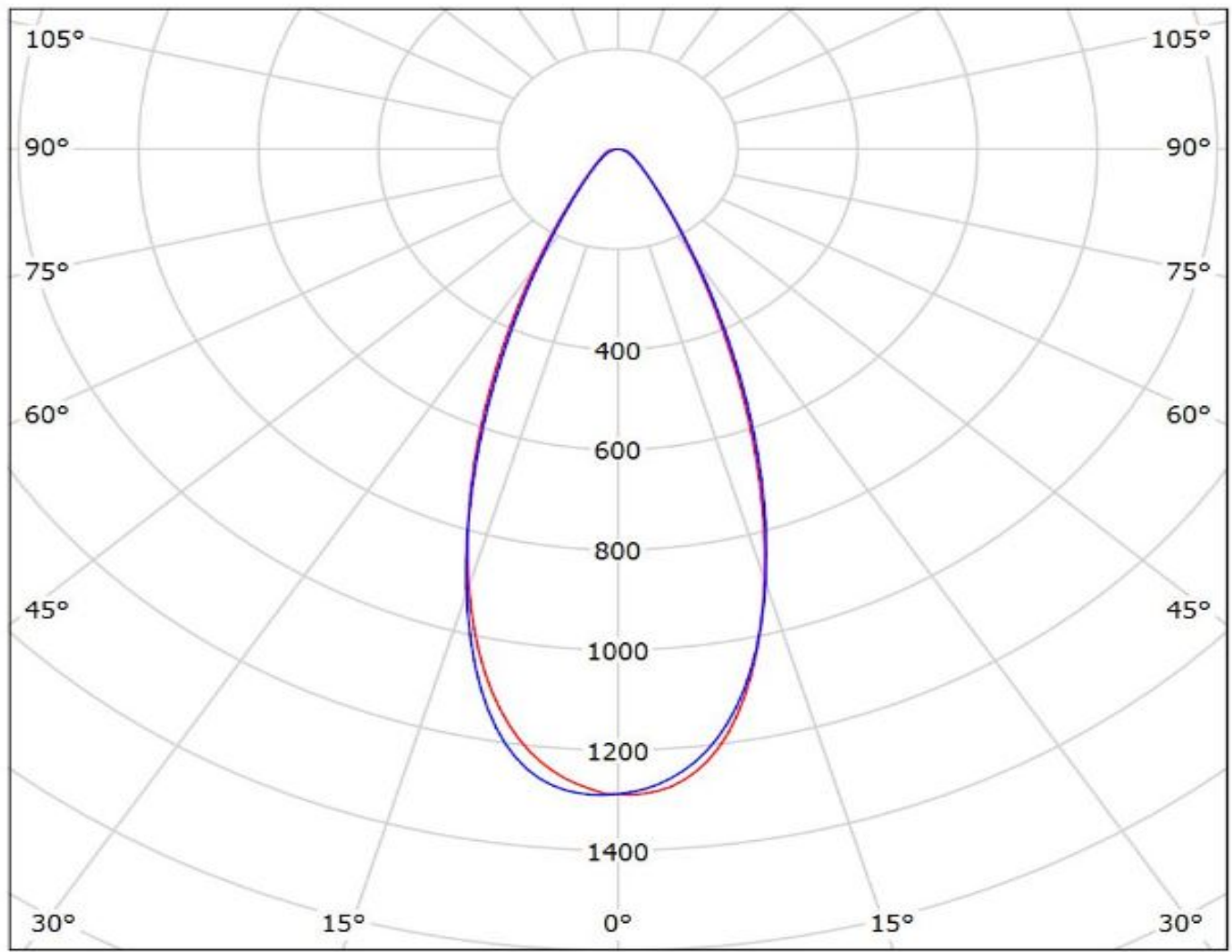
— C0 - C180

— C90 - C270

SIMULATED

**Ledil CA12079\_HEIDI-W2\_(Fortimo\_FastFlex\_LED\_board 2x8-757\_DS\_G3) /  
LDC (Polar)**

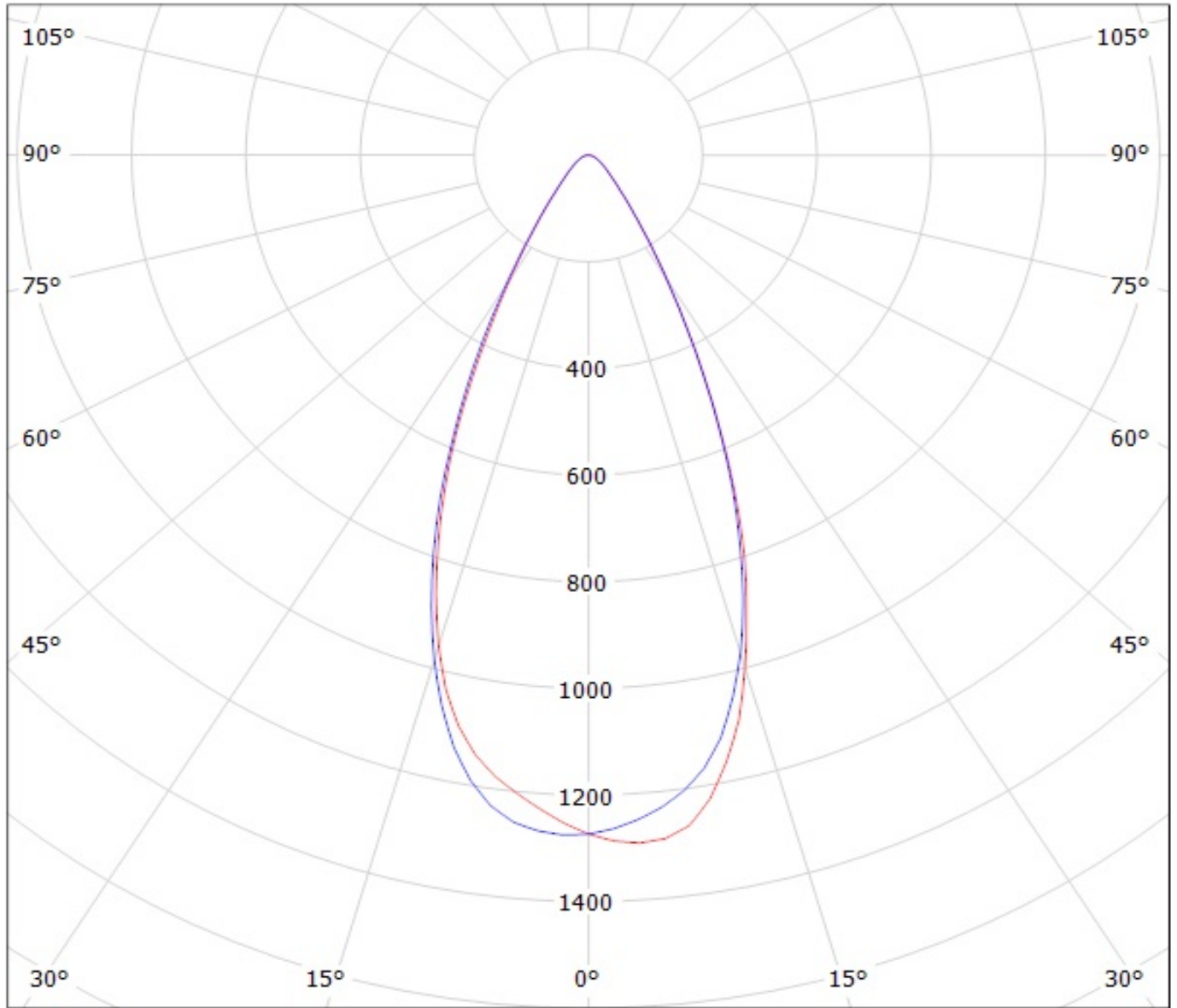
Luminaire: Ledil CA12079\_HEIDI-W2\_(Fortimo\_FastFlex\_LED\_board 2x8-757\_DS\_G3)  
Lamps: 1 x Philips\_Fortimo\_FastFlex\_LED\_board 2x8/757\_DS\_G3\_(XP-G2)  
\_3428.78lm@500mA\_P=23.7W\_I=0.5A



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

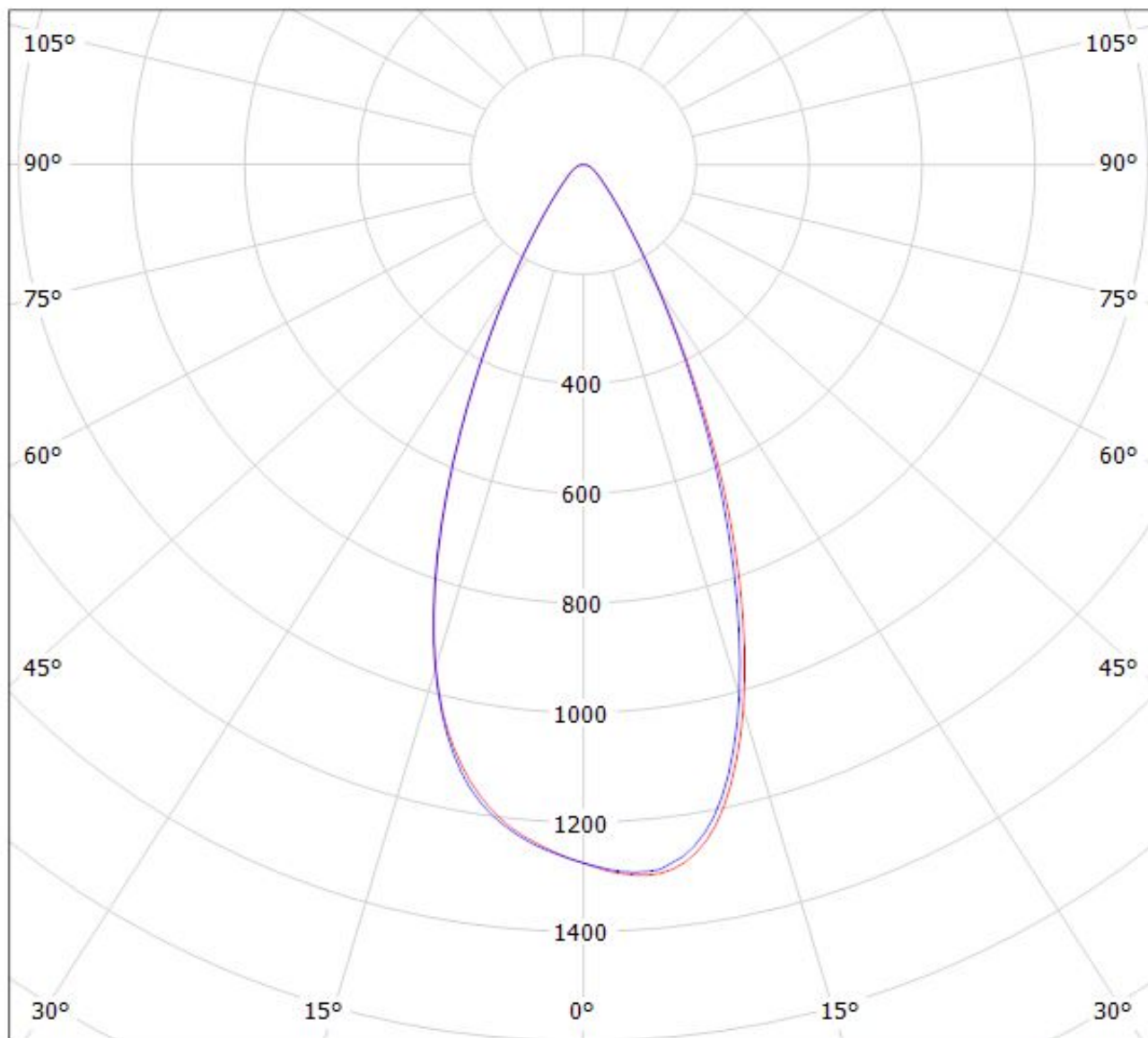


cd/klm

— 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



cd/klm

— C0 - C180

— C90 - C270

$\eta = 83\%$

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