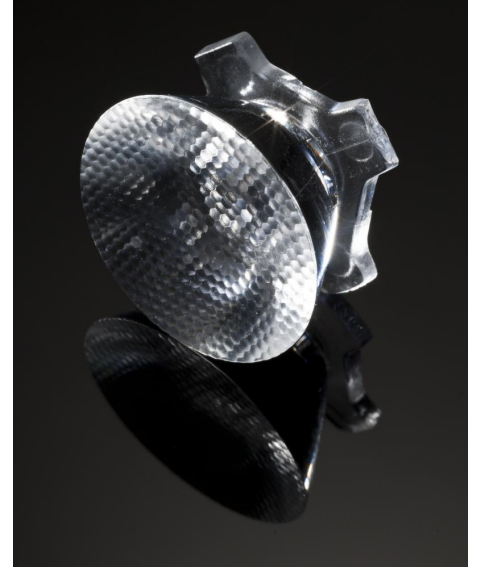


## DETAILS

<b>Product Number</b>	CA12242_HEIDI-SS
<b>Family</b>	Heidi
<b>Type</b>	Assembly
<b>Color</b>	clear
<b>Diameter</b>	21,6 mm
<b>Height</b>	11,7 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>	8/06/2016



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
XP-E	14 deg	Smooth spo...	92 %	7.900	-
XP-G	16 deg	Smooth spo...	92 %	5.900	-
XQ-E HI	12 deg	Smooth spo...	92 %	10.000	-
LUXEON T	15 deg	Smooth spo...	87 %	7.300	-
LUXEON TX	16 deg	Smooth spo...	86 %	7.800	-
LUXEON C	13 deg	Smooth spo...	87 %	9.800	-
NCSxx19A	14 deg	Smooth spo...	89 %	7.230	-
NVSxx19A	15 deg	Smooth spo...	89 %	6.100	-
NVSxx19B/NVSxx19C	18 deg	Smooth spo...	87 %	6.000	-
NCSxx19B	15 deg	Smooth spo...	86 %	8.500	-
Oslon SSL 80	14 deg	Smooth spo...	89 %	7.300	-
Oslon SSL 150	14 deg	Smooth spo...	91 %	7.500	-
Oslon Square Gen3	sim: 17	Smooth spo...	sim: 94 %	sim: 8.300	-
Z5	14 deg	Smooth spo...	92 %	6.800	-
Z5M1/Z5M2	14 deg	Smooth spo...	91 %	7.900	-

D

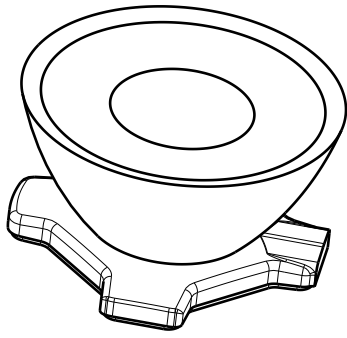
C

B

A

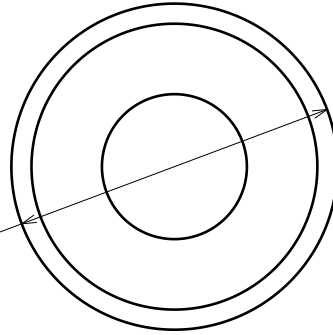
4

4



Isometric view

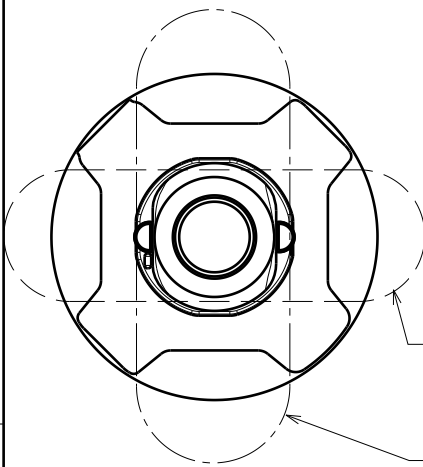
Ø 21.6



Top view

3

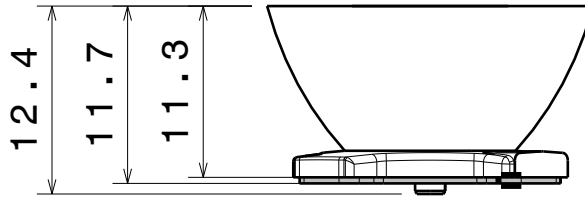
3



Bottom view  
OVAL BEAM direction

Heidi-0

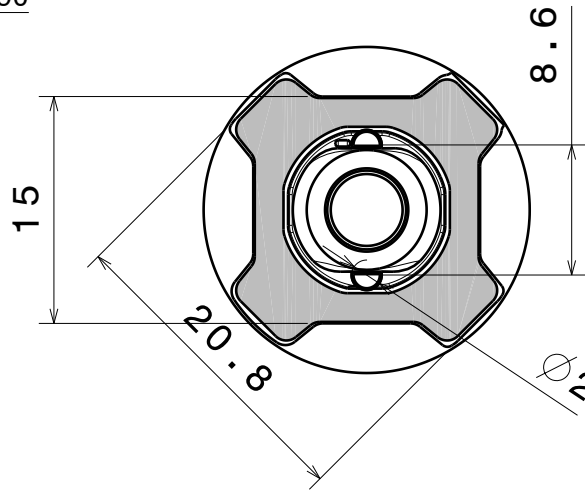
Heidi-0-90



Front view

2

2



8.6 Between pin midpoints

Bottom view

Material:  
Lens PMMA  
Tape PU Foam

This drawing is our property.  
It can't be reproduced  
or communicated without  
our written agreement.



Ledil Oy  
Salorankatu 10  
FIN-24100 SALO  
Finland

DRAWING TITLE

Datasheet Heidi-Series Assy

DRAWN BY  
ah

DATE  
1.2.2012

CHECKED BY

DATE

SIZE  
A4

DRAWING NUMBER

REV  
2

DESIGNED BY

DATE

SCALE 2:1 WEIGHT (g)

SHEET 1/1

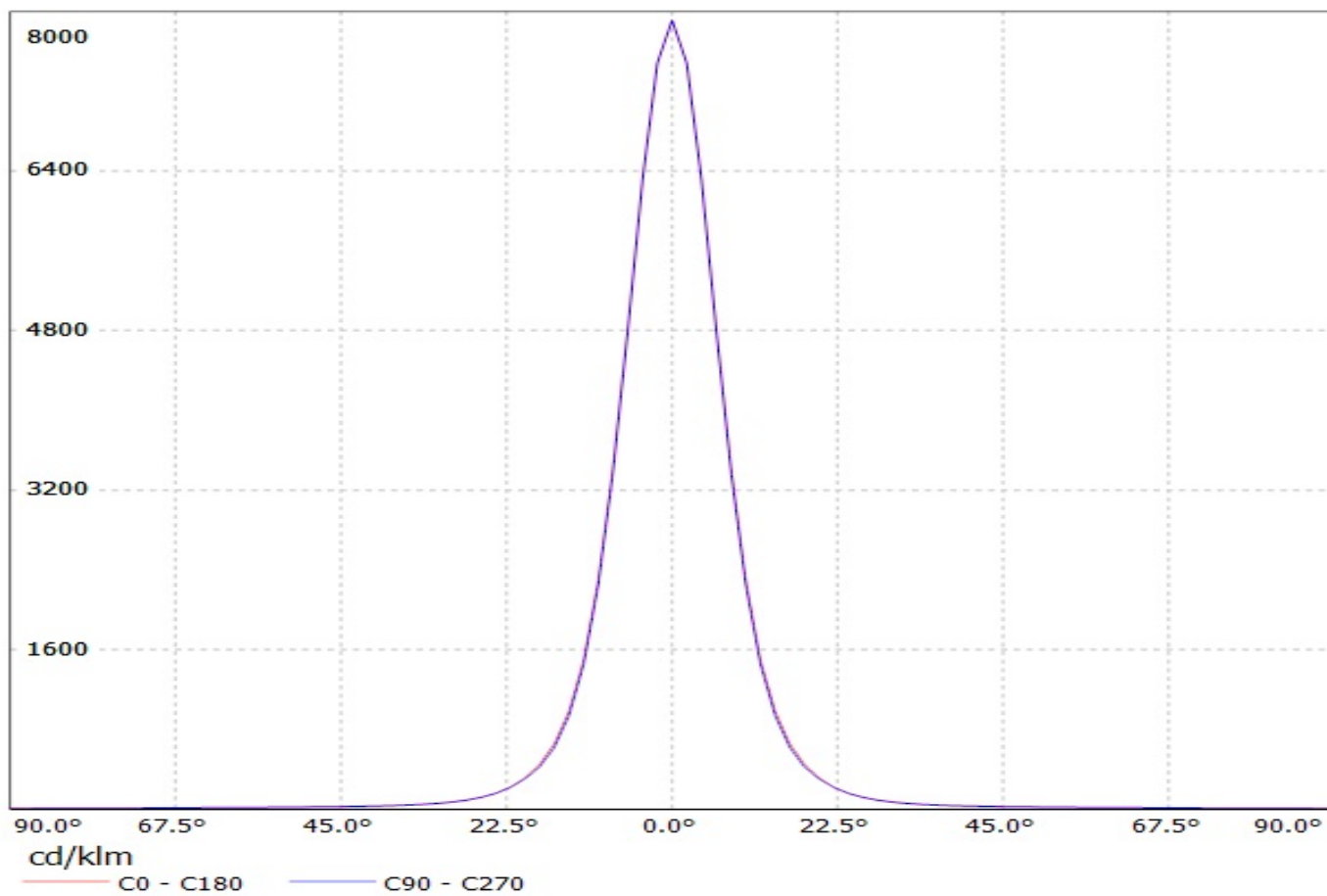
D

A

1

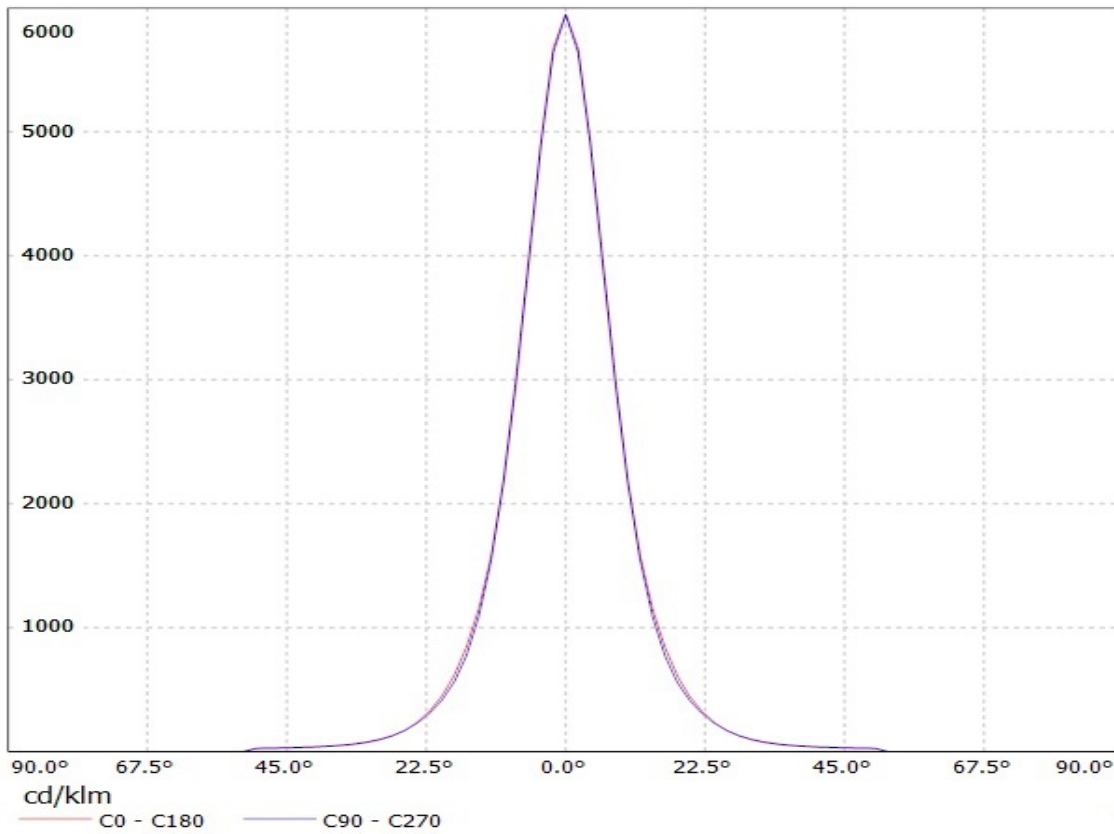
1

Luminaire: Ledil Oy CA12242\_Heidi-SS-XP CA12242\_Heidi-SS-XP Cree XP-E (white) 79lm @ 250mA LOR=9  
Lamps: 1 x Cree XP-E (white) 79lm @ 250mA



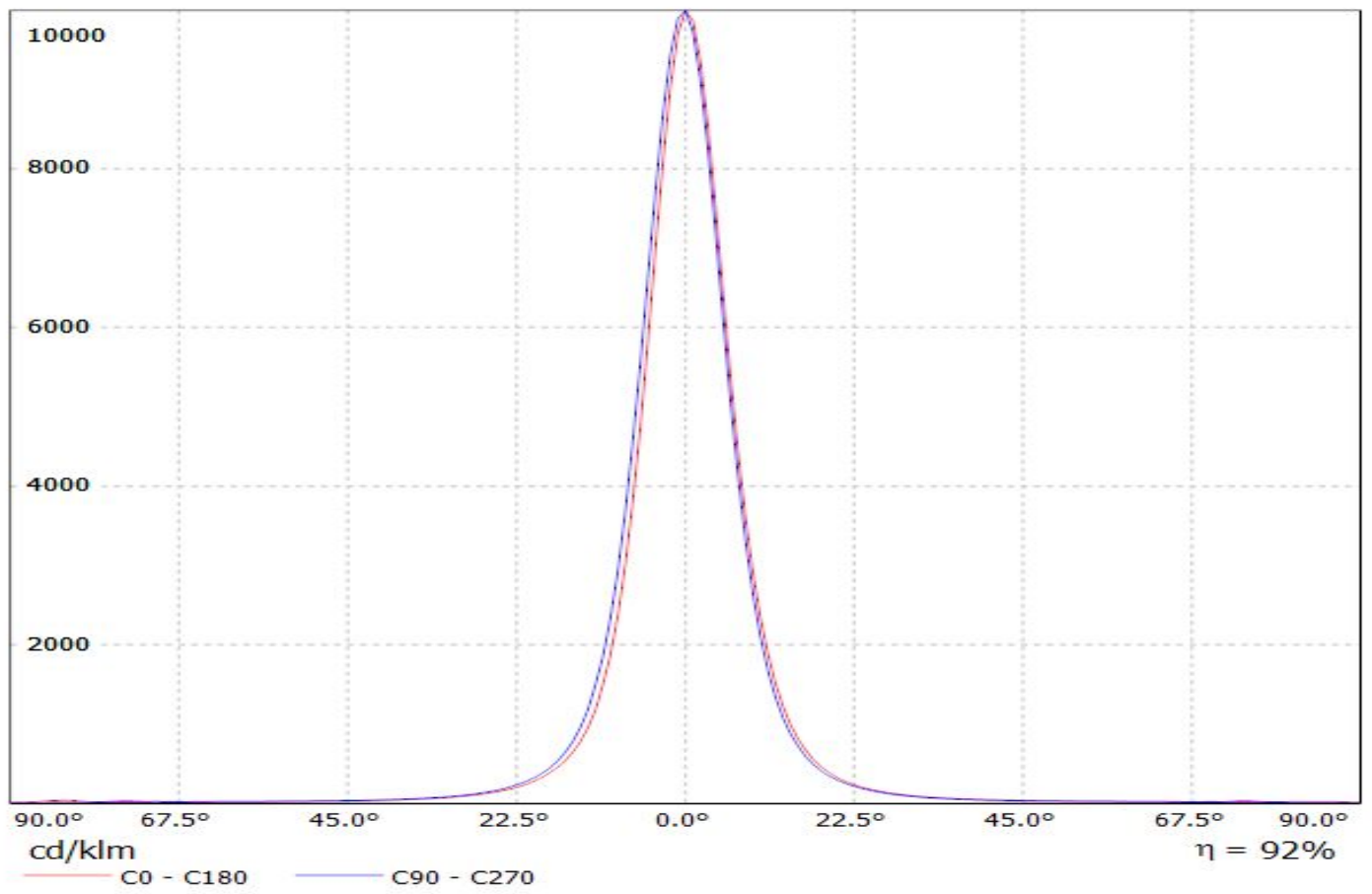
Ledil Oy CA12242\_Heidi-SS-XP-G CA12242\_Heidi-SS-XP-G Cree XP-G (white) 91lm @ 250mA  
LOR=92% / LDC (Linear)

Luminaire: Ledil Oy CA12242\_Heidi-SS-XP-G CA12242\_Heidi-SS-XP-G Cree XP-G (white) 91lm @ 250mA LOR=92%  
Lamps: 1 x Cree XP-G (white) 91lm @ 250mA



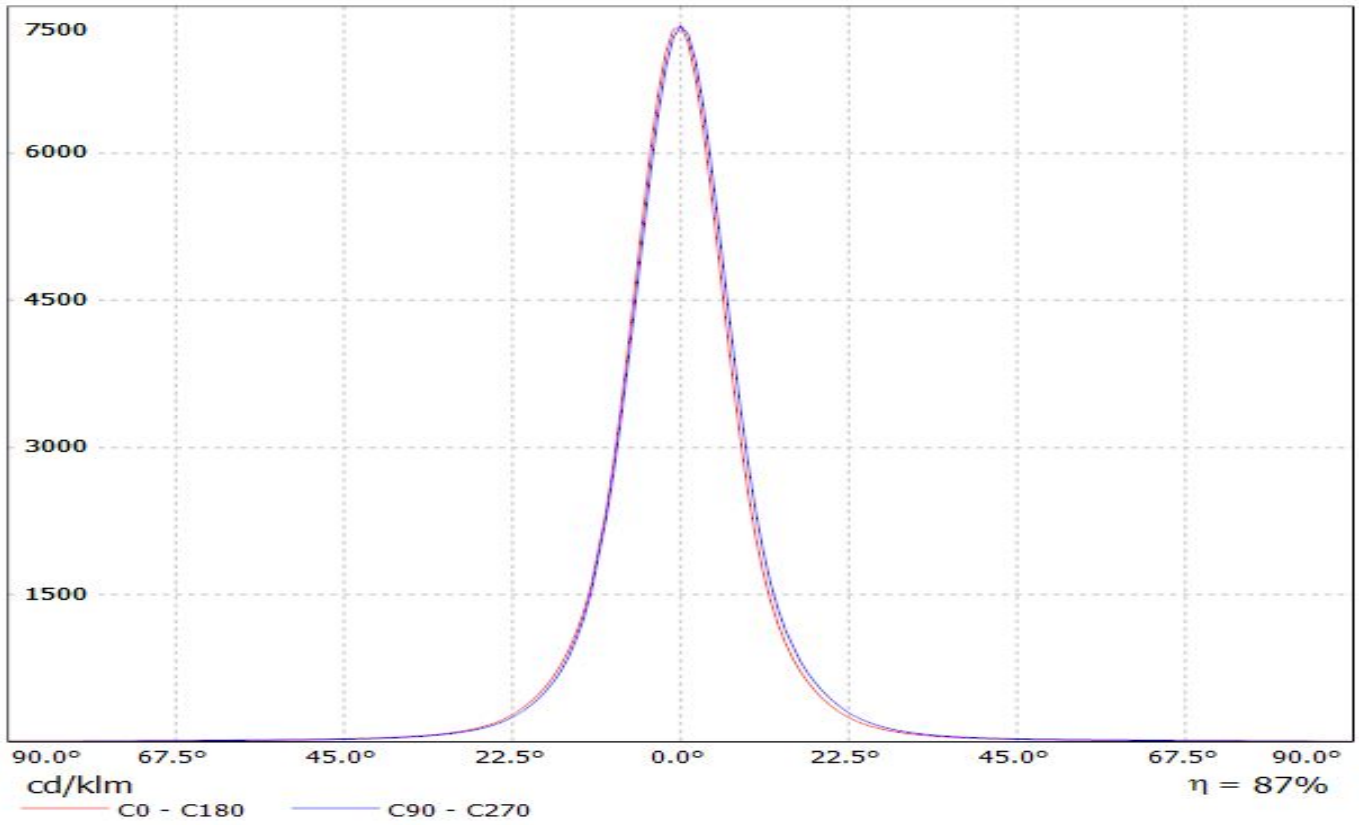
Luminaire: LEDiL Oy CA12242\_HEIDI-SS\_(XQ-E-HI)

Lamps: 1 x Cree\_XQ-E\_HI\_100.602lm@250mA\_P=0.744629W\_I=0.25A

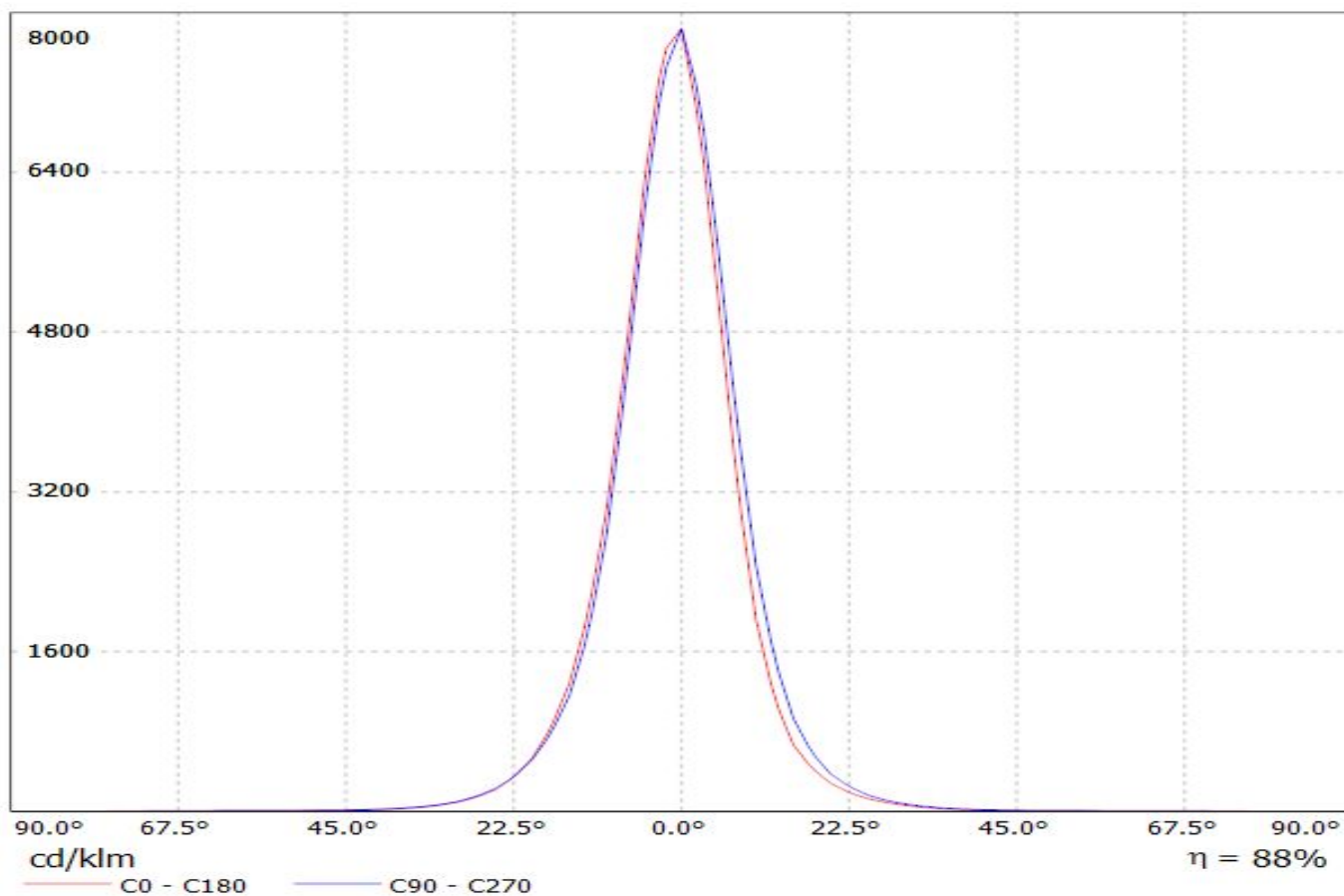


**LEDiL Oy CA12242\_HEIDI-SS\_(LUXEON\_T)\_1 Eff.87.0% / LDC (Linear)**

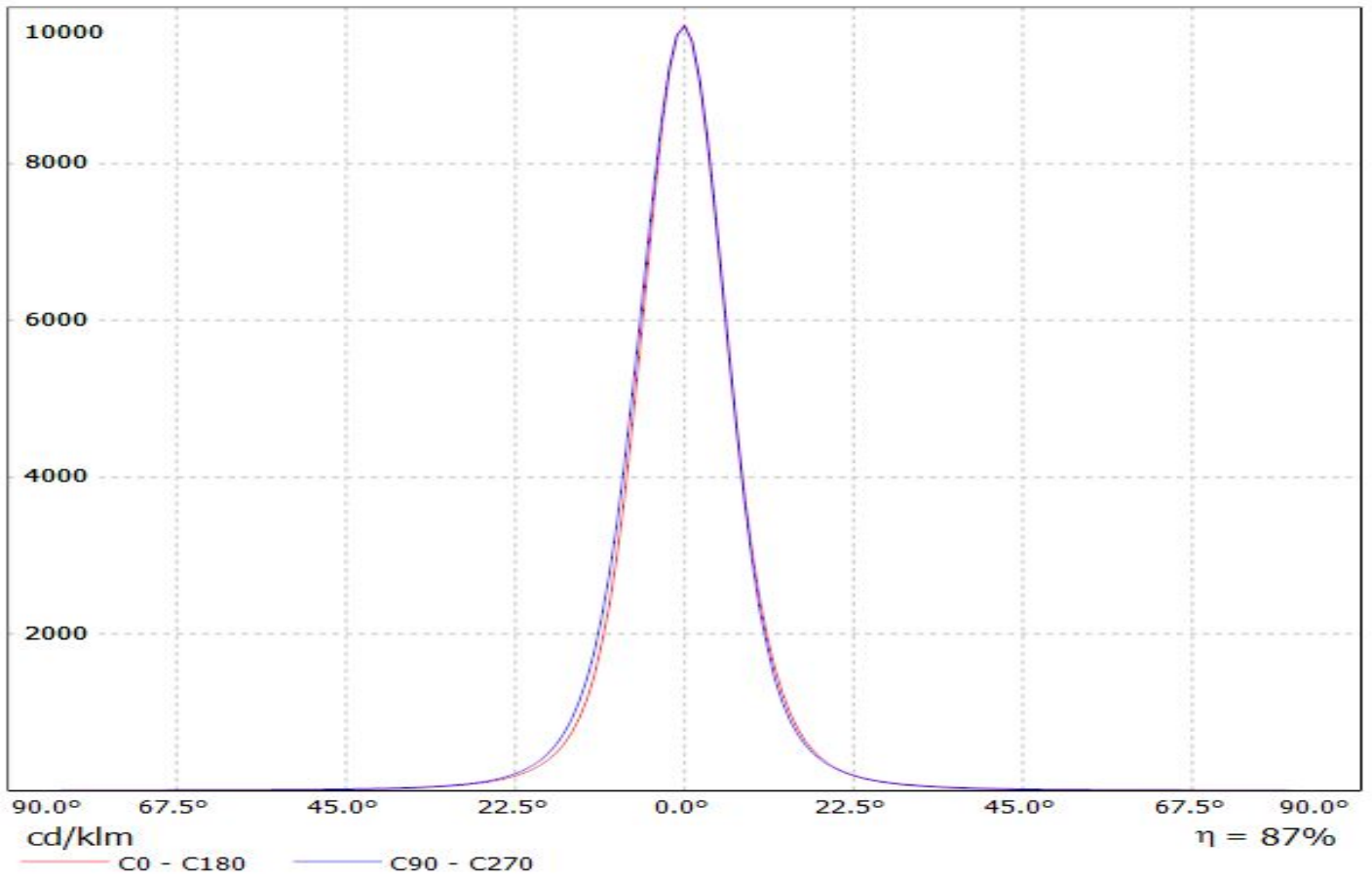
Luminaire: LEDiL Oy CA12242\_HEIDI-SS\_(LUXEON\_T)\_1 Eff.87.0%  
Lamps: 1 x LUXEON T (74lm@250mA)



Luminaire: Ledil Oy CA12242\_HEIDI-SS\_(Luxeon\_TX) Efficiency=86%  
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA

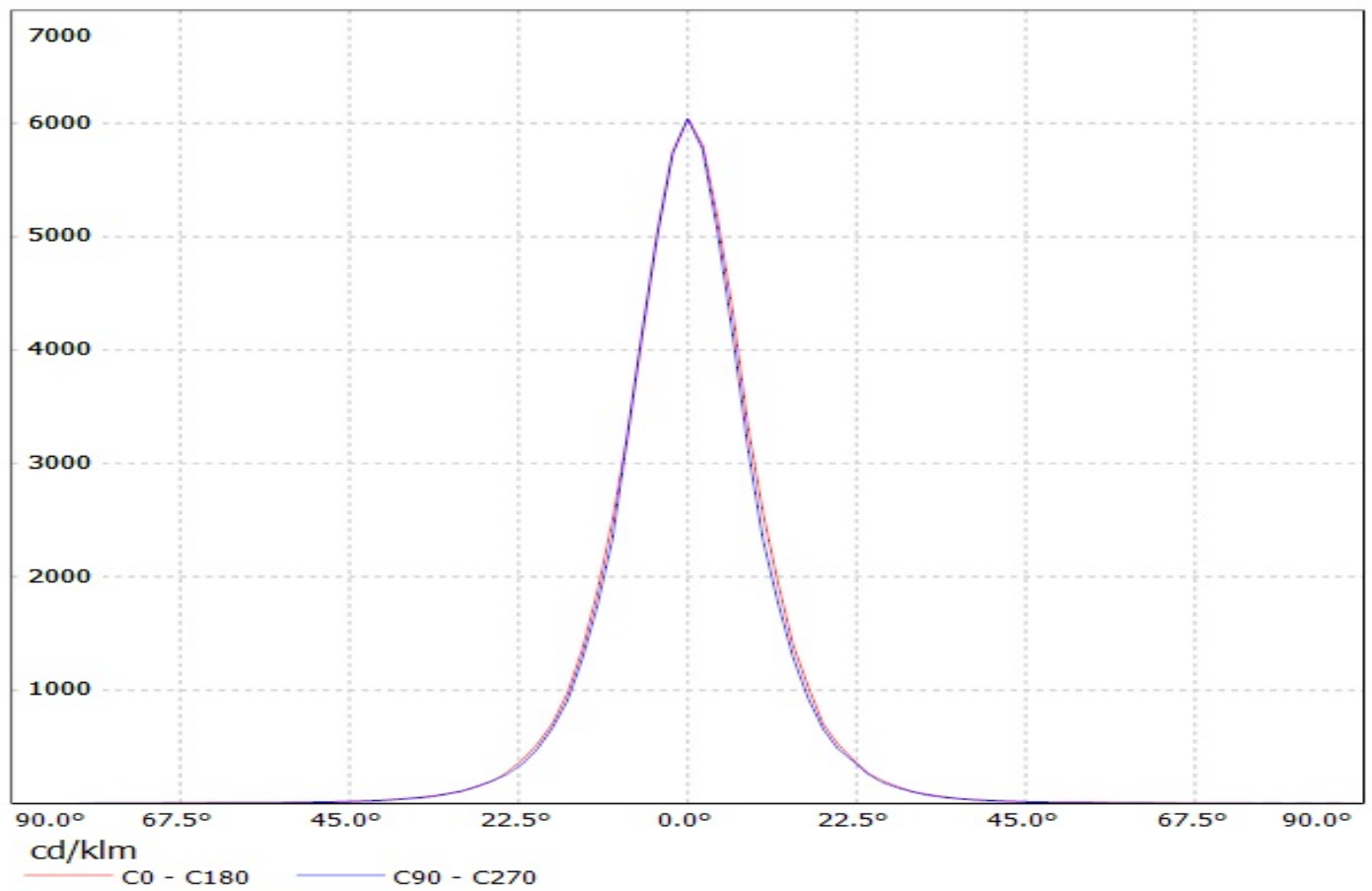


Luminaire: LEDiL Oy CA12242\_HEIDI-SS\_(Luxeon\_C\_WHITE)  
Lamps: 1 x Luxeon\_C\_WHITE\_84.6969lm@250mA\_P=0.7410W\_I=0.250A

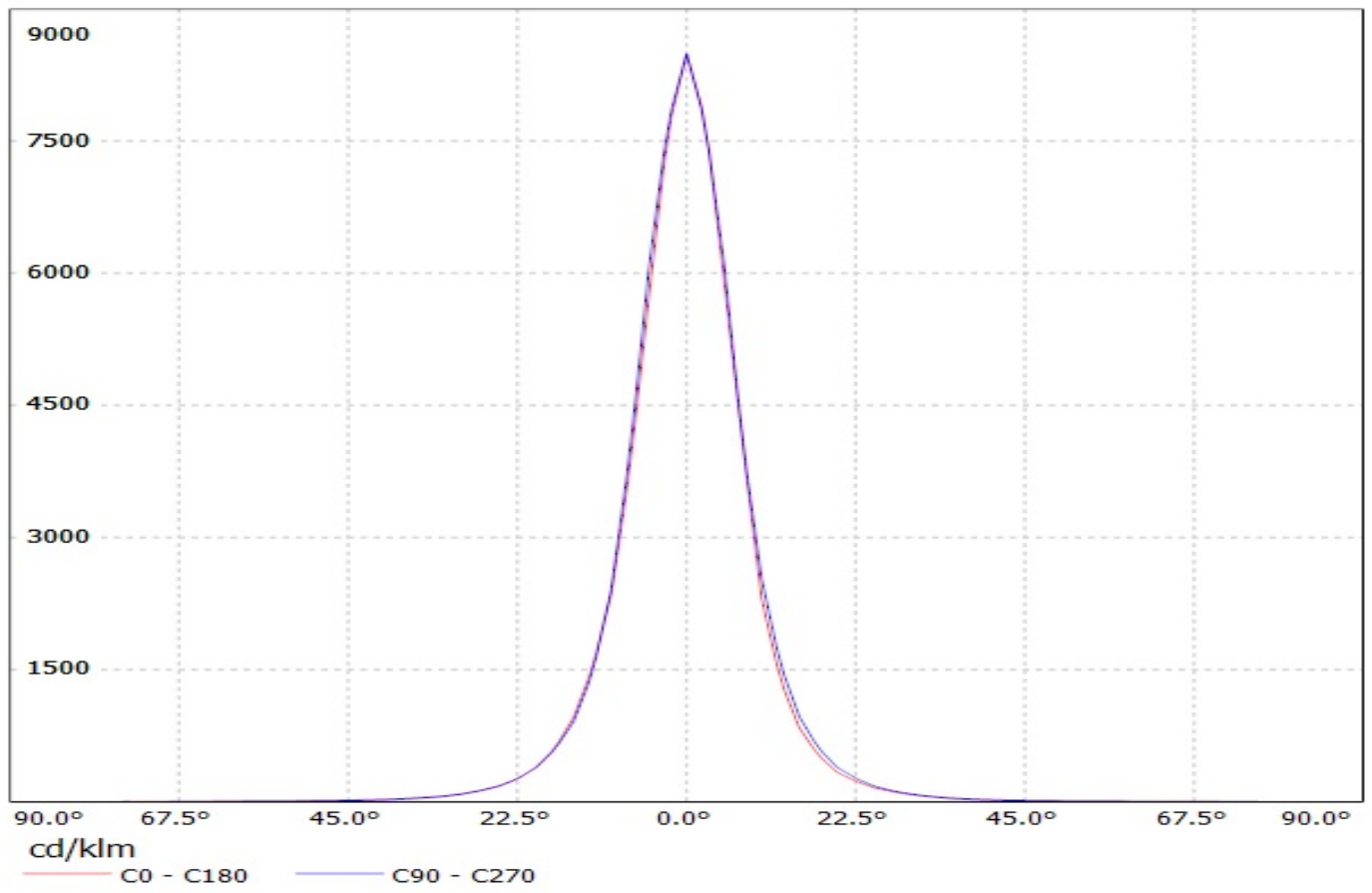




Luminaire: Ledil Oy CA12242\_HEIDI-SS (Nichia 219B 109lm @ 250mA) Efficiency=87%  
Lamps: 1 x Nichia 219B 109lm @ 250mA

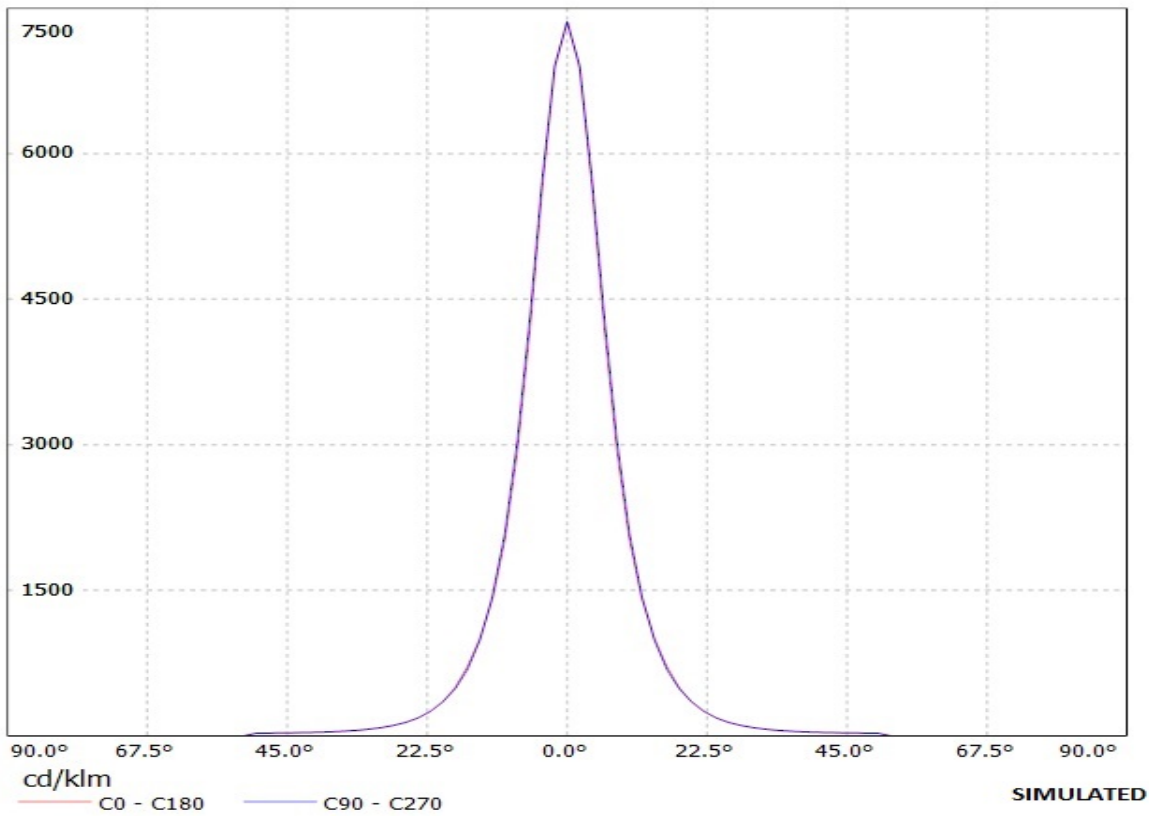


Luminaire: Ledil Oy CA12242\_HEIDI-SS\_(NCSxx19B) Efficiency=86%  
Lamps: 1 x Nichia NCS19xx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



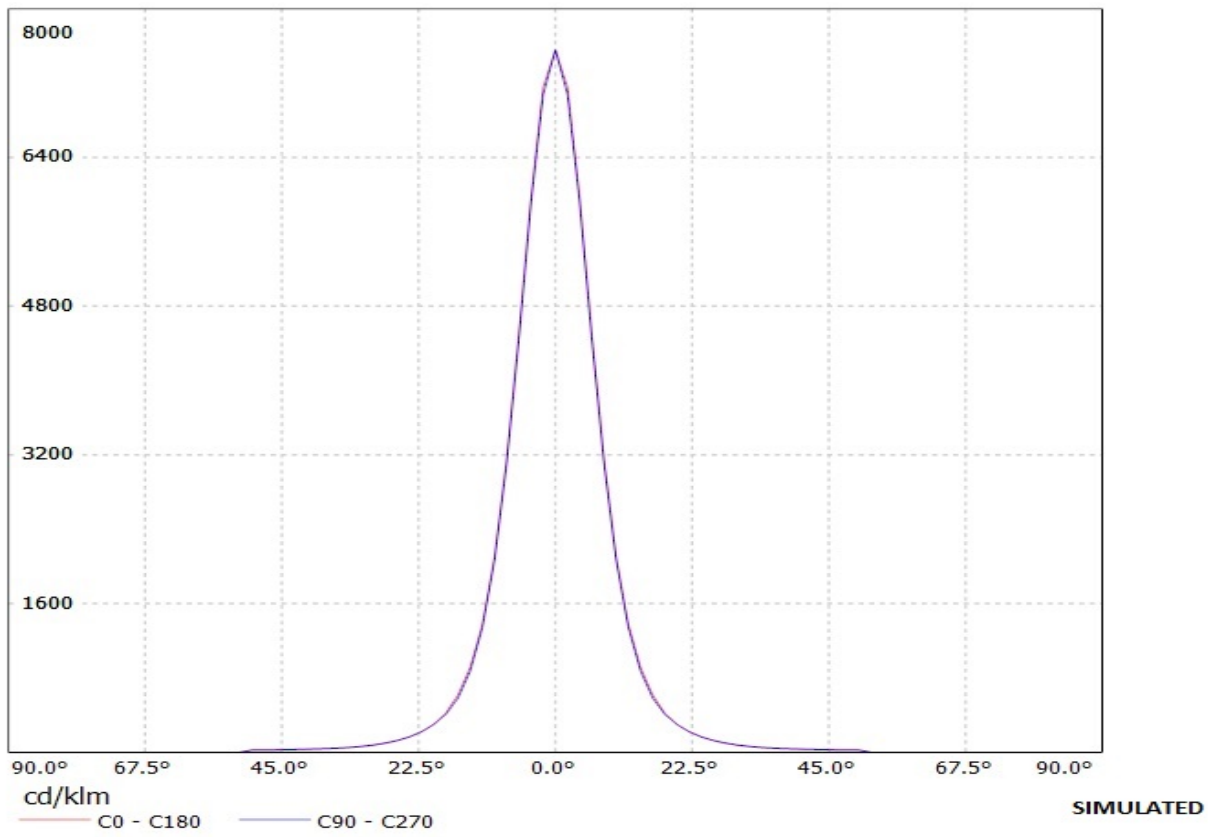
**Ledil Oy CA12242\_Heidi-SS-OSL CA12242\_Heidi-SS-OSL Osram SSL80 (white) 85lm @ 250mA  
LOR=89% / LDC (Linear)**

Luminaire: Ledil Oy CA12242\_Heidi-SS-OSL CA12242\_Heidi-SS-OSL Osram SSL80 (white) 85lm @ 250mA LOR=89%  
Lamps: 1 x Osram SSL80 (white) 85lm @ 250mA For more info visit ledil.com

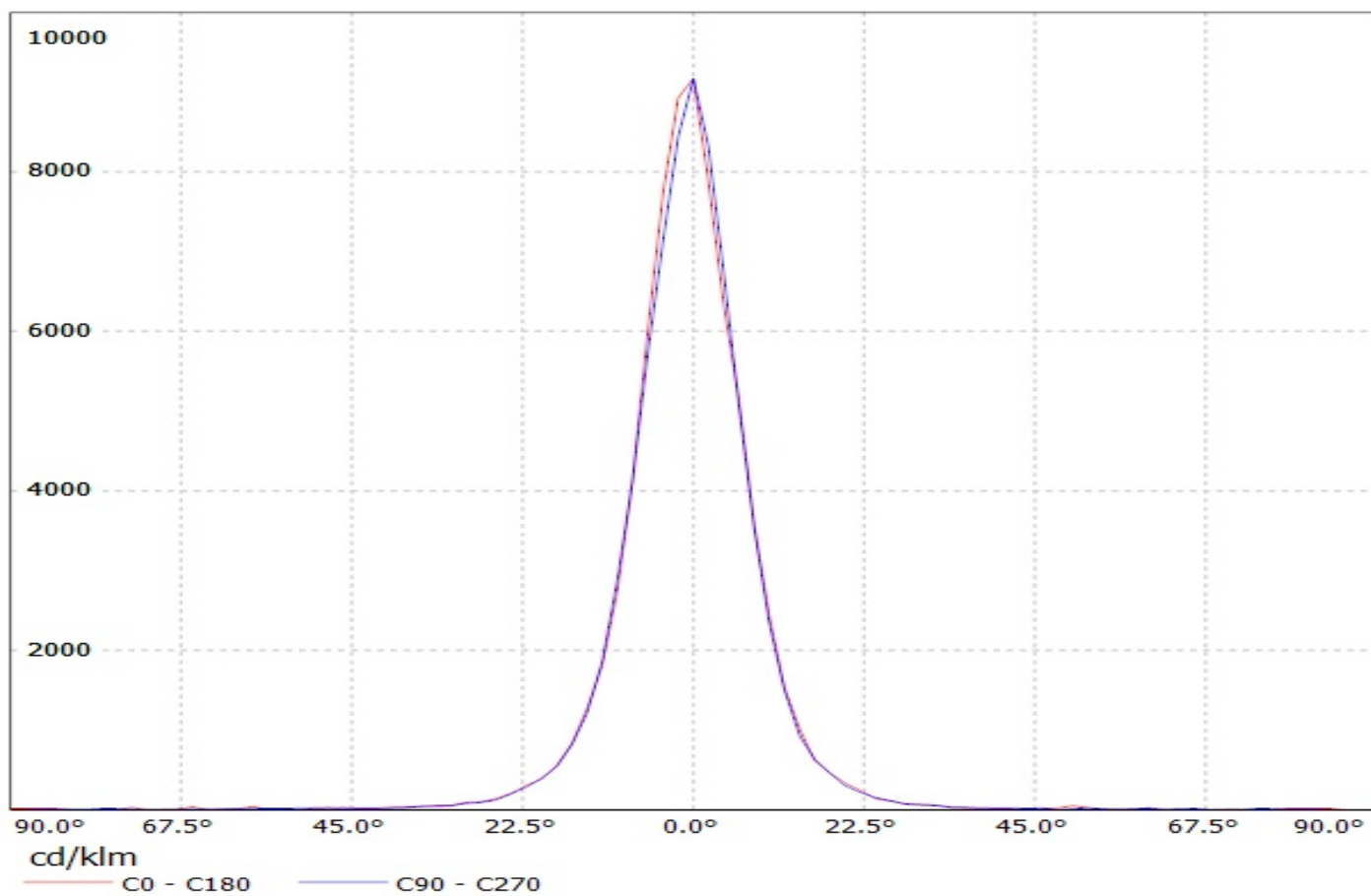


**Ledil Oy CA12242\_Heidi-SS-OSL150 CA12242\_Heidi-SS-OSL150 Osram SSL150 111lm @ 250 mA**  
**LOR=91% / LDC (Linear)**

Luminaire: Ledil Oy CA12242\_Heidi-SS-OSL150 CA12242\_Heidi-SS-OSL150 Osram SSL150 111lm @ 250 mA LOR=91%  
Lamps: 1 x Osram SSL150 111lm @ 250 mA

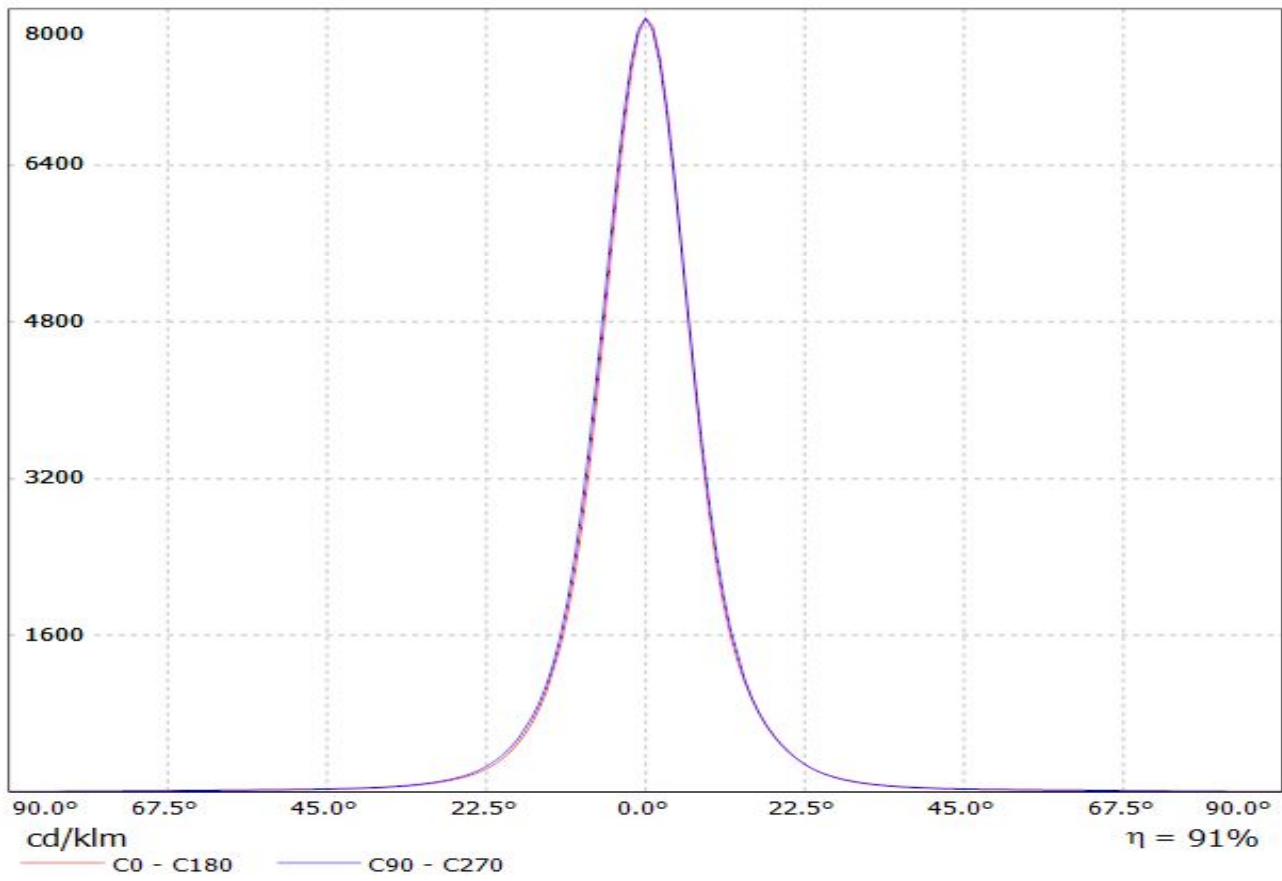


Luminaire: Ledil Oy CA12242\_HEIDI-SS-Z5 LOR=89%  
Lamps: 1 x Seoul Z5 250mA 77lm

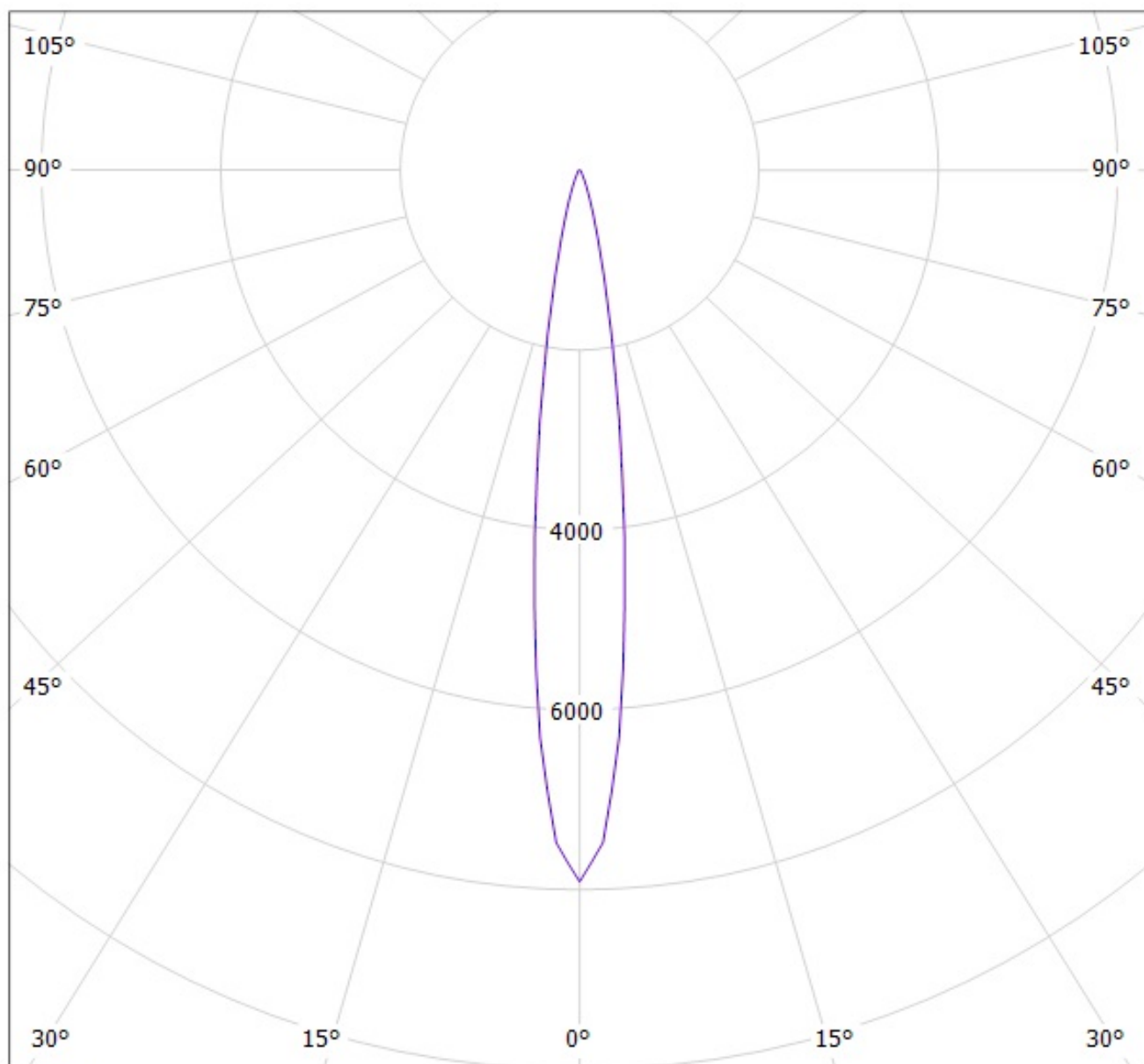


Luminaire: LEDiL Oy CA12242\_HEIDI-SS\_(Seoul\_Z5M1)

Lamps: 1 x Seoul\_Z5M1\_107.648lm@250mA\_CCT=9074K\_P=0.739754W\_I=249.9mA



Luminaire: Ledil Oy CA12242\_Heidi-SS-XP CA12242\_Heidi-SS-XP Cree XP-E (white) 79lm @ 250mA LOR=92%  
Lamps: 1 x Cree XP-E (white) 79lm @ 250mA



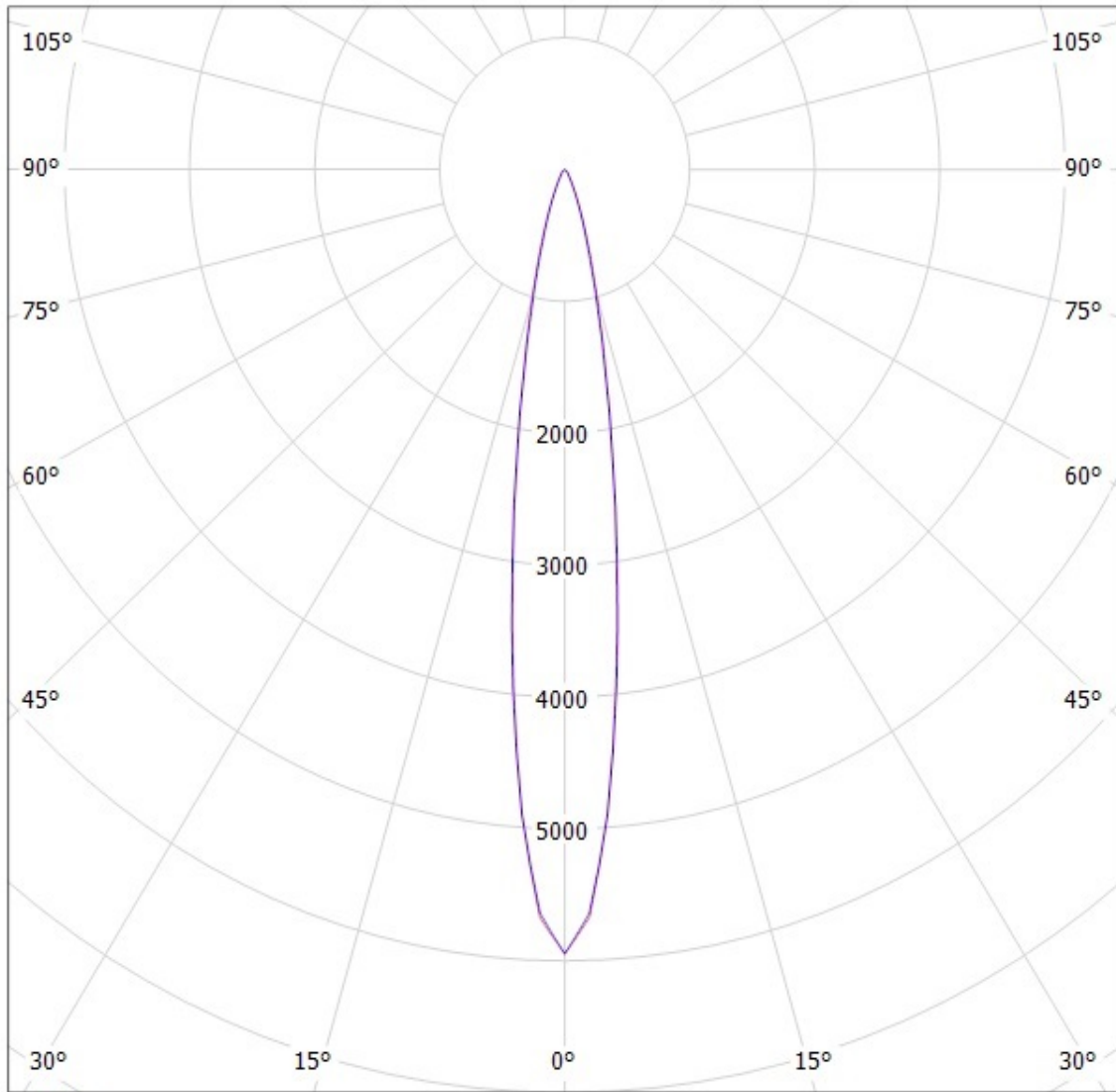
cd/klm

— C0 - C180

— C90 - C270

Ledil Oy CA12242\_Heidi-SS-XP-G CA12242\_Heidi-SS-XP-G Cree XP-G (white) 91lm @ 250mA  
LOR=92% / LDC (Polar)

Luminaire: Ledil Oy CA12242\_Heidi-SS-XP-G CA12242\_Heidi-SS-XP-G Cree XP-G (white) 91lm @ 250mA LOR=92%  
Lamps: 1 x Cree XP-G (white) 91lm @ 250mA



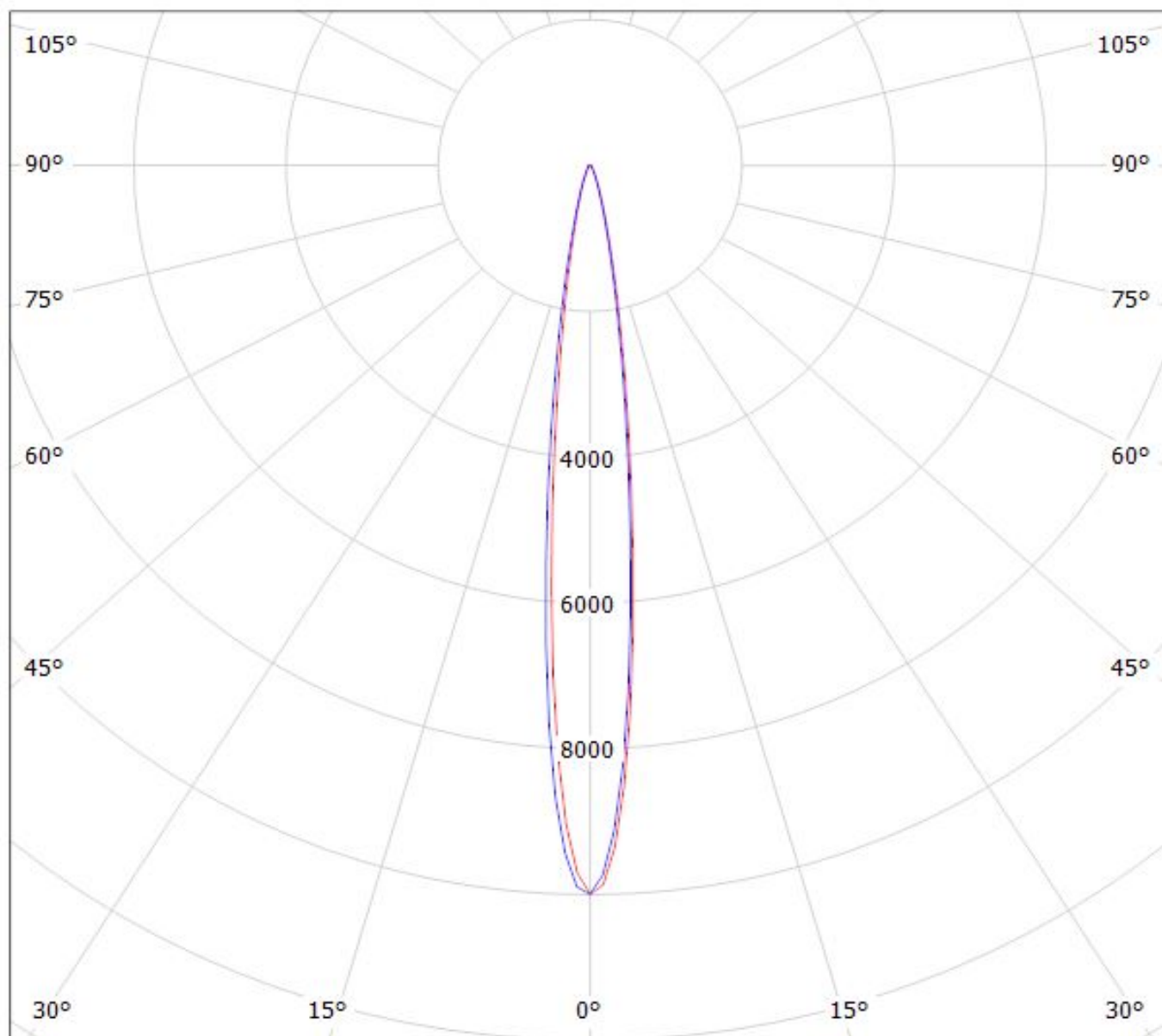
cd/klm

— C0 - C180 — C90 - C270

SIMULATED



Luminaire: LEDiL Oy CA12242\_HEIDI-SS\_(XQ-E-HI)  
Lamps: 1 x Cree\_XQ-E\_HI\_100.602lm@250mA\_P=0.744629W\_I=0.25A



cd/klm

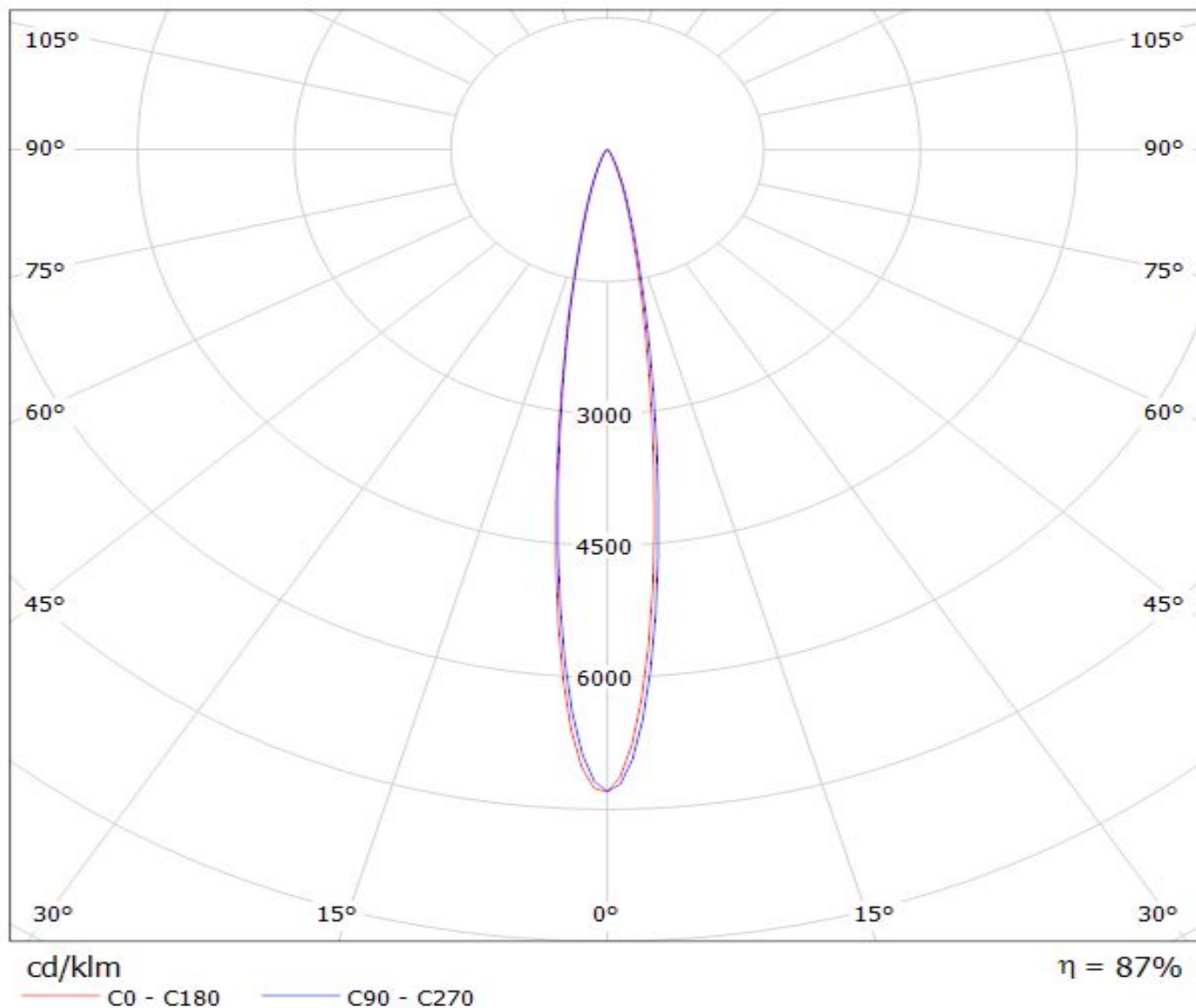
— C0 - C180    — C90 - C270

$\eta = 92\%$

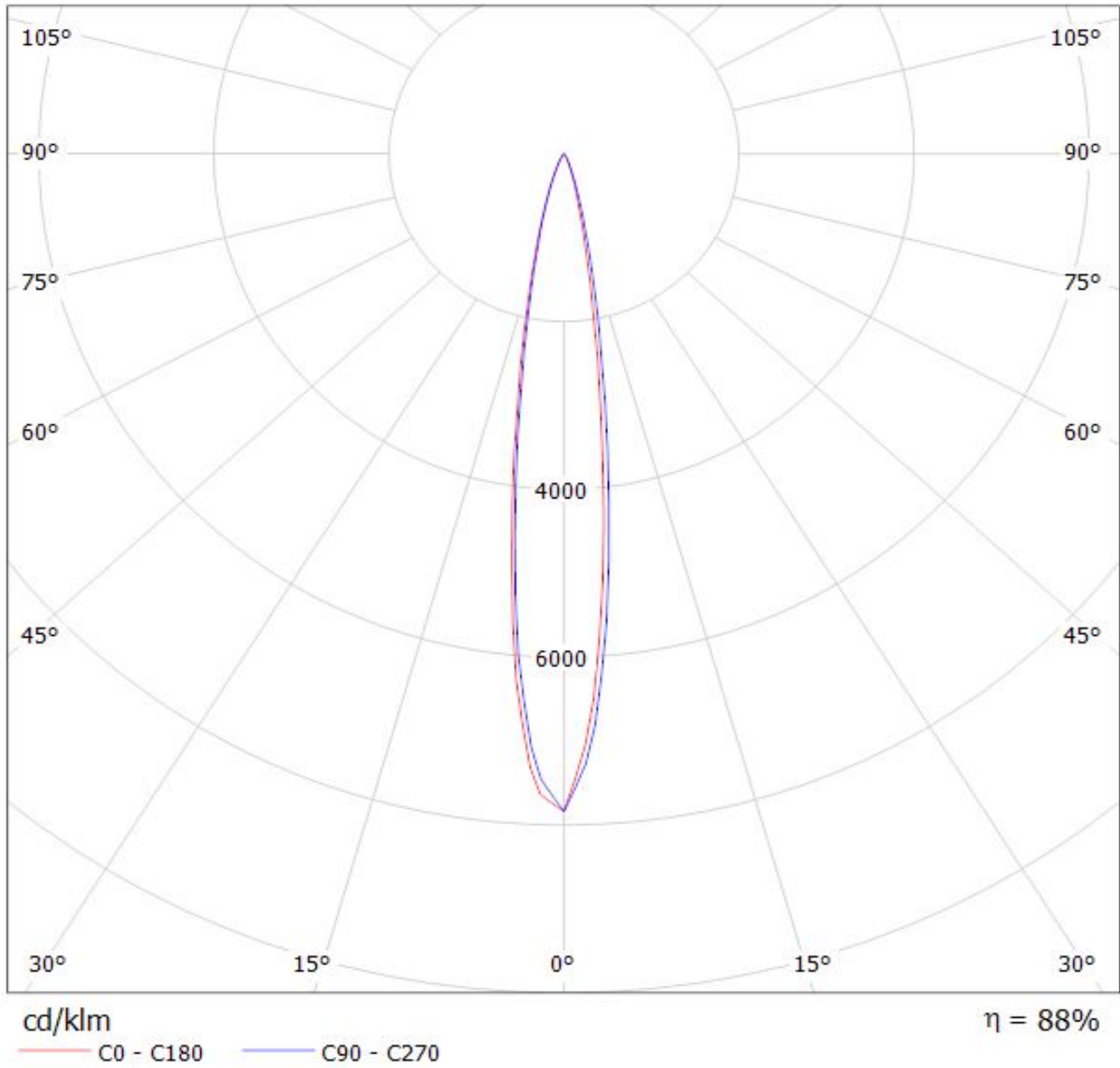
# LEDiL Oy CA12242\_HEIDI-SS\_(LUXEON\_T)\_1 Eff.87.0% / LDC (Polar)

Luminaire: LEDiL Oy CA12242\_HEIDI-SS\_(LUXEON\_T)\_1 Eff.87.0%

Lamps: 1 x LUXEON T (74lm@250mA)

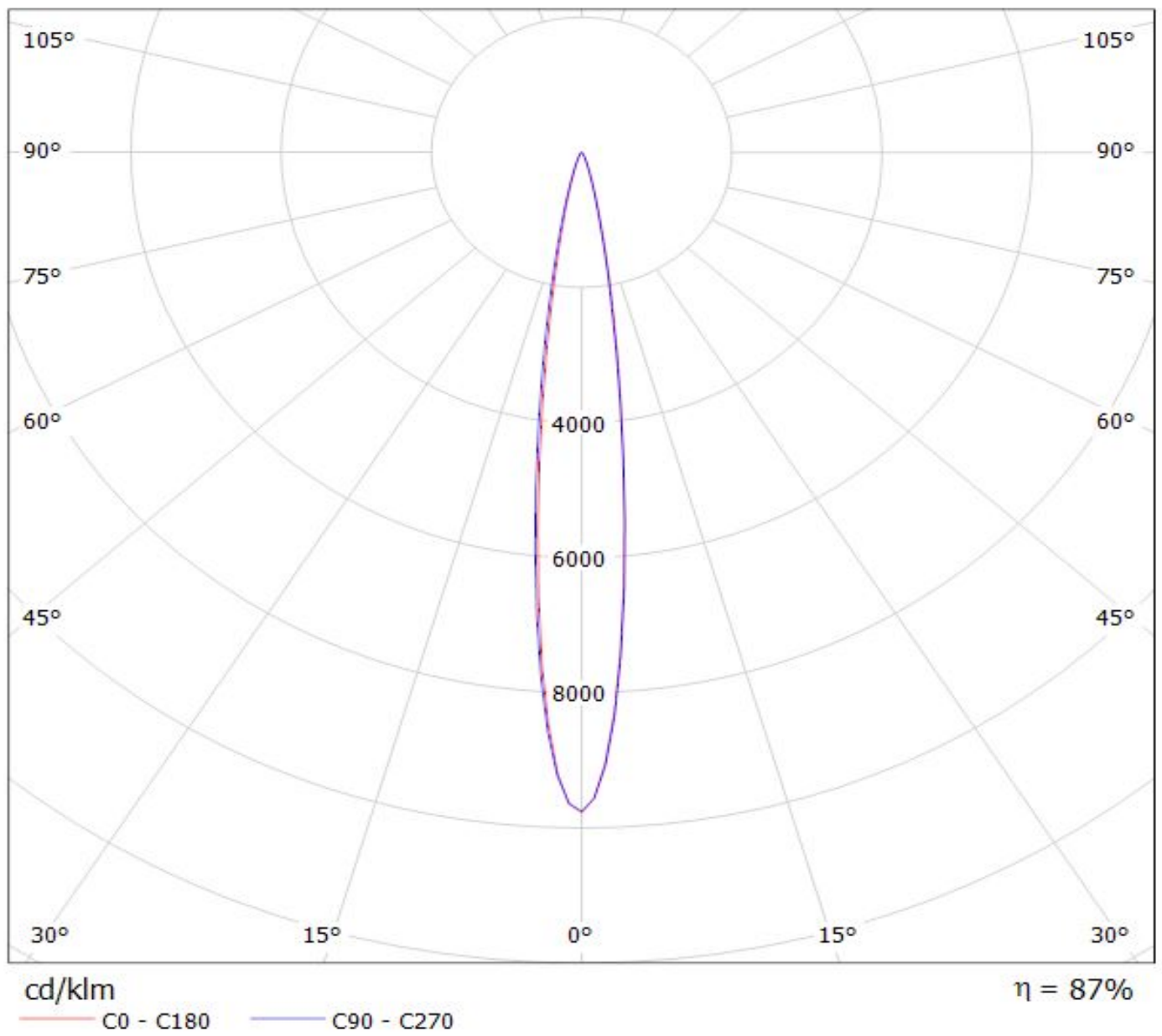


Luminaire: Ledil Oy CA12242\_HEIDI-SS\_(Luxeon\_TX) Efficiency=86%  
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA

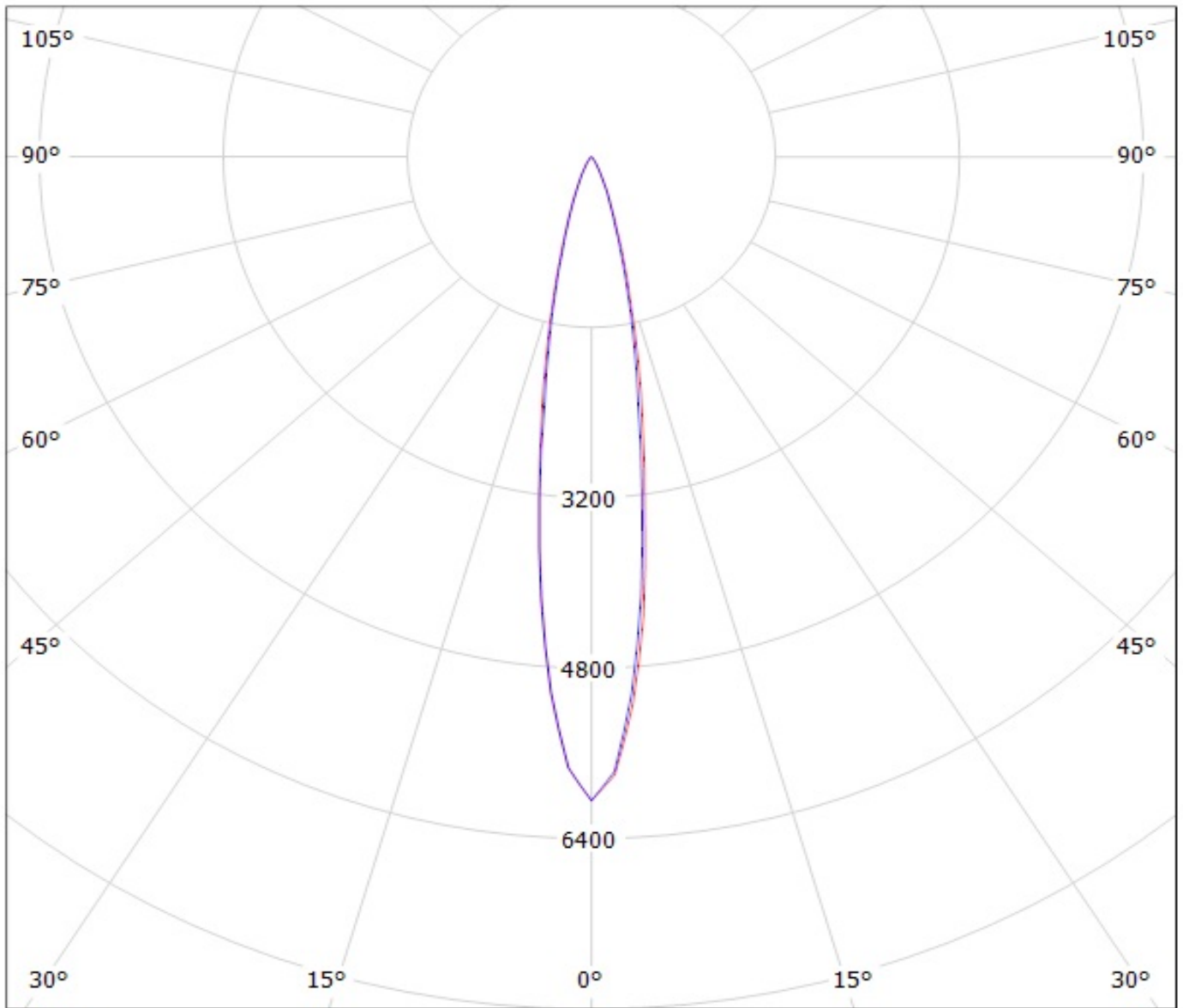


Luminaire: LEDiL Oy CA12242\_HEIDI-SS\_(Luxeon\_C\_WHITE)

Lamps: 1 x Luxeon\_C\_WHITE\_84.6969lm@250mA\_P=0.7410W\_I=0.250A



Luminaire: Ledil Oy CA12242\_HEIDI-SS (Nichia 219B 109lm @ 250mA) Efficiency=87%  
Lamps: 1 x Nichia 219B 109lm @ 250mA



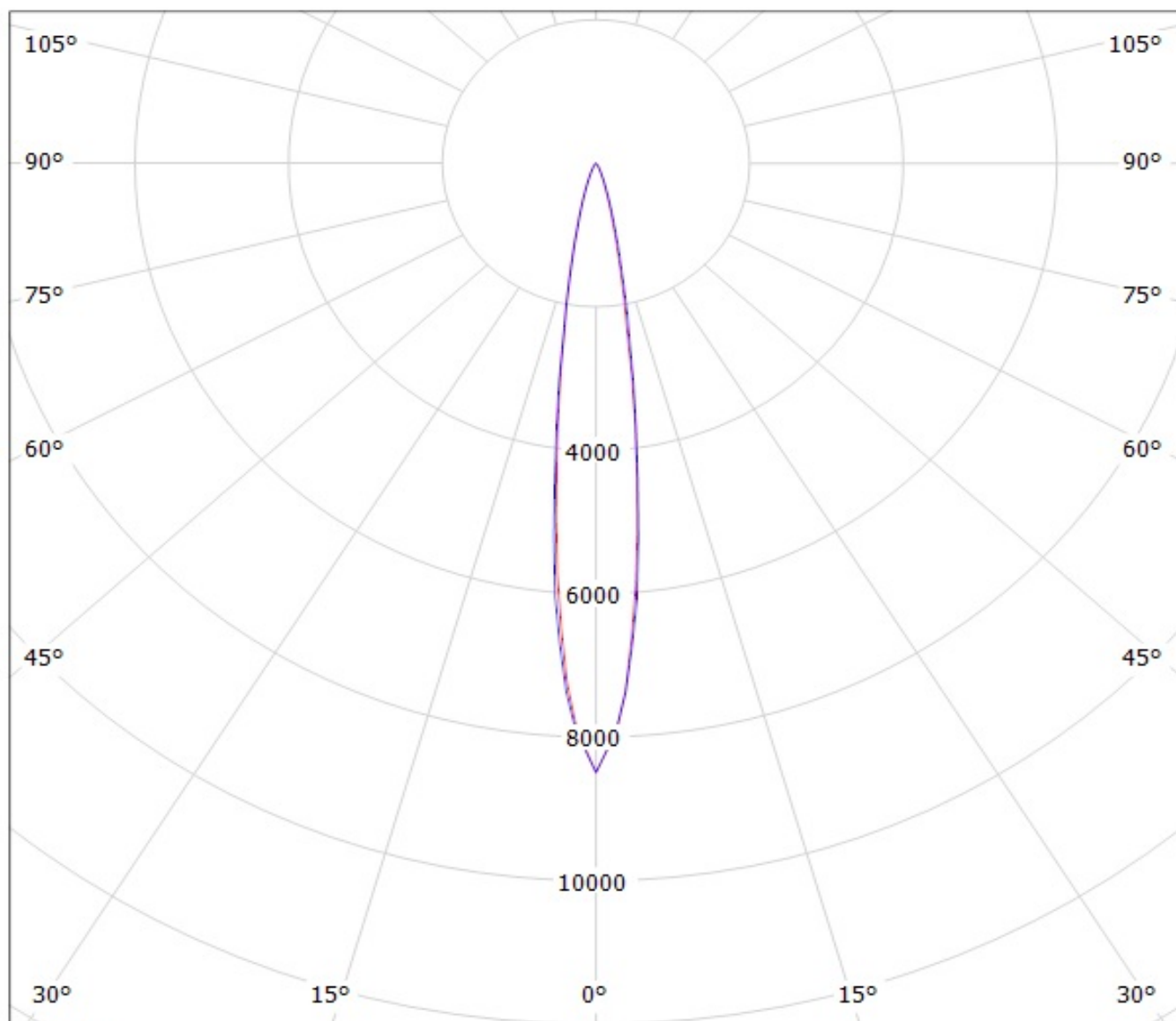
cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA12242\_HEIDI-SS\_(NCSxx19B) Efficiency=86%

Lamps: 1 x Nichia NCS19xx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



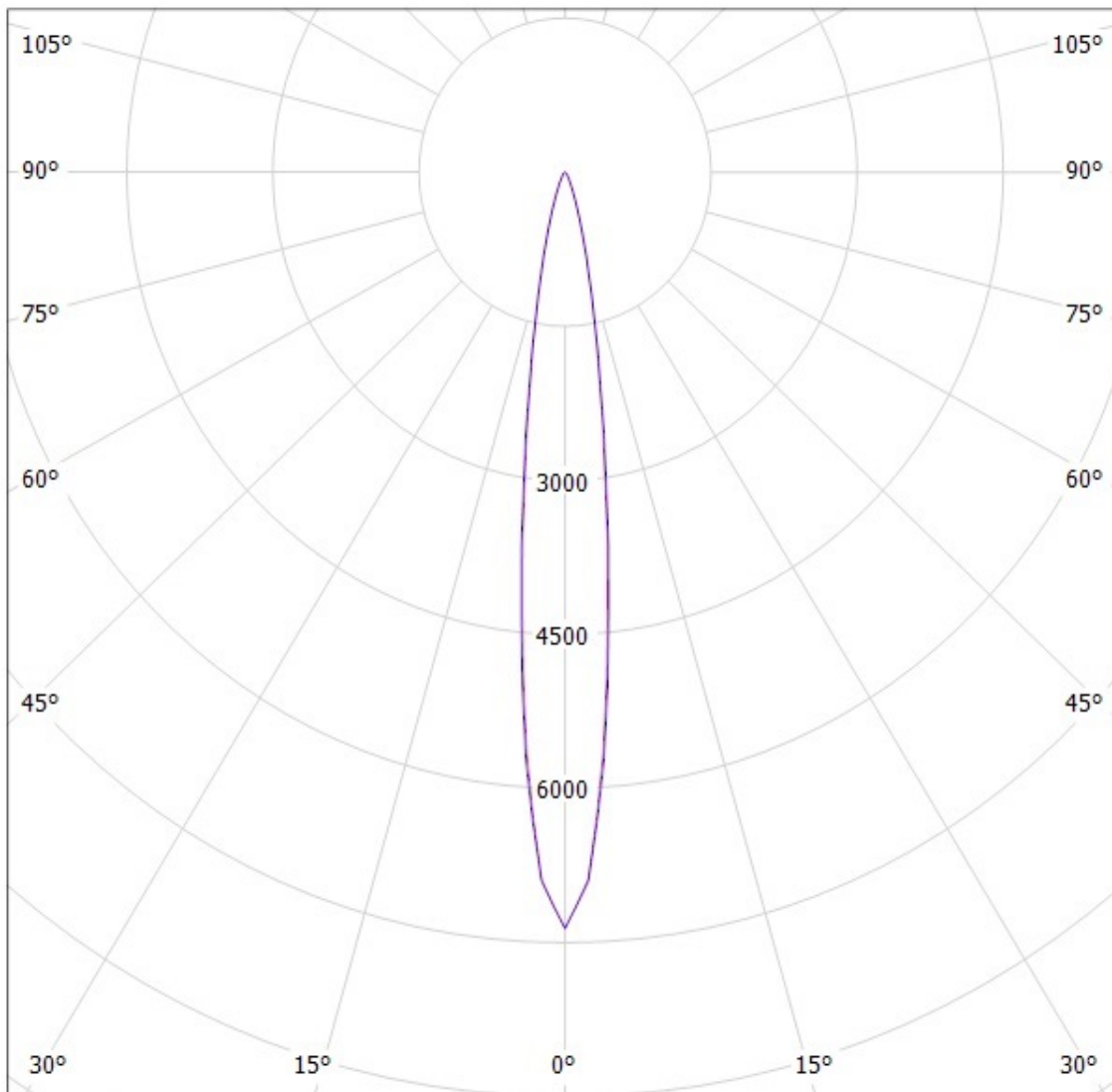
cd/klm

— C0 - C180

— C90 - C270

Ledil Oy CA12242\_Heidi-SS-OSL CA12242\_Heidi-SS-OSL Osram SSL80 (white) 85lm @ 250mA  
LOR=89% / LDC (Polar)

Luminaire: Ledil Oy CA12242\_Heidi-SS-OSL CA12242\_Heidi-SS-OSL Osram SSL80 (white) 85lm @ 250mA LOR=89%  
Lamps: 1 x Osram SSL80 (white) 85lm @ 250mA For more info visit ledil.com



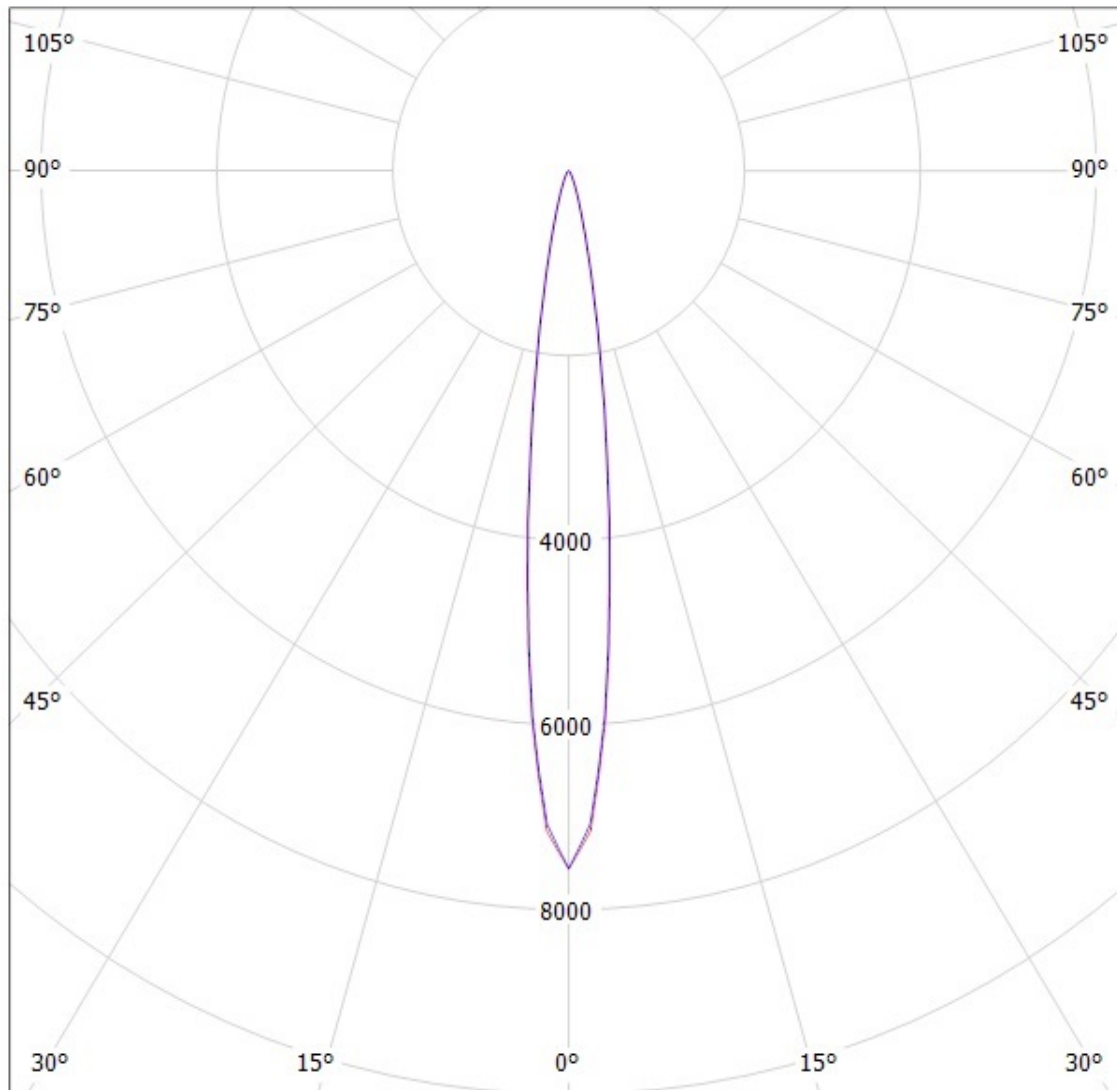
cd/klm

— C0 - C180 — C90 - C270

SIMULATED

Ledil Oy CA12242\_Heidi-SS-OSL150 CA12242\_Heidi-SS-OSL150 Osram SSL150 111lm @ 250 mA  
LOR=91% / LDC (Polar)

Luminaire: Ledil Oy CA12242\_Heidi-SS-OSL150 CA12242\_Heidi-SS-OSL150 Osram SSL150 111lm @ 250 mA LOR=91%  
Lamps: 1 x Osram SSL150 111lm @ 250 mA



cd/klm

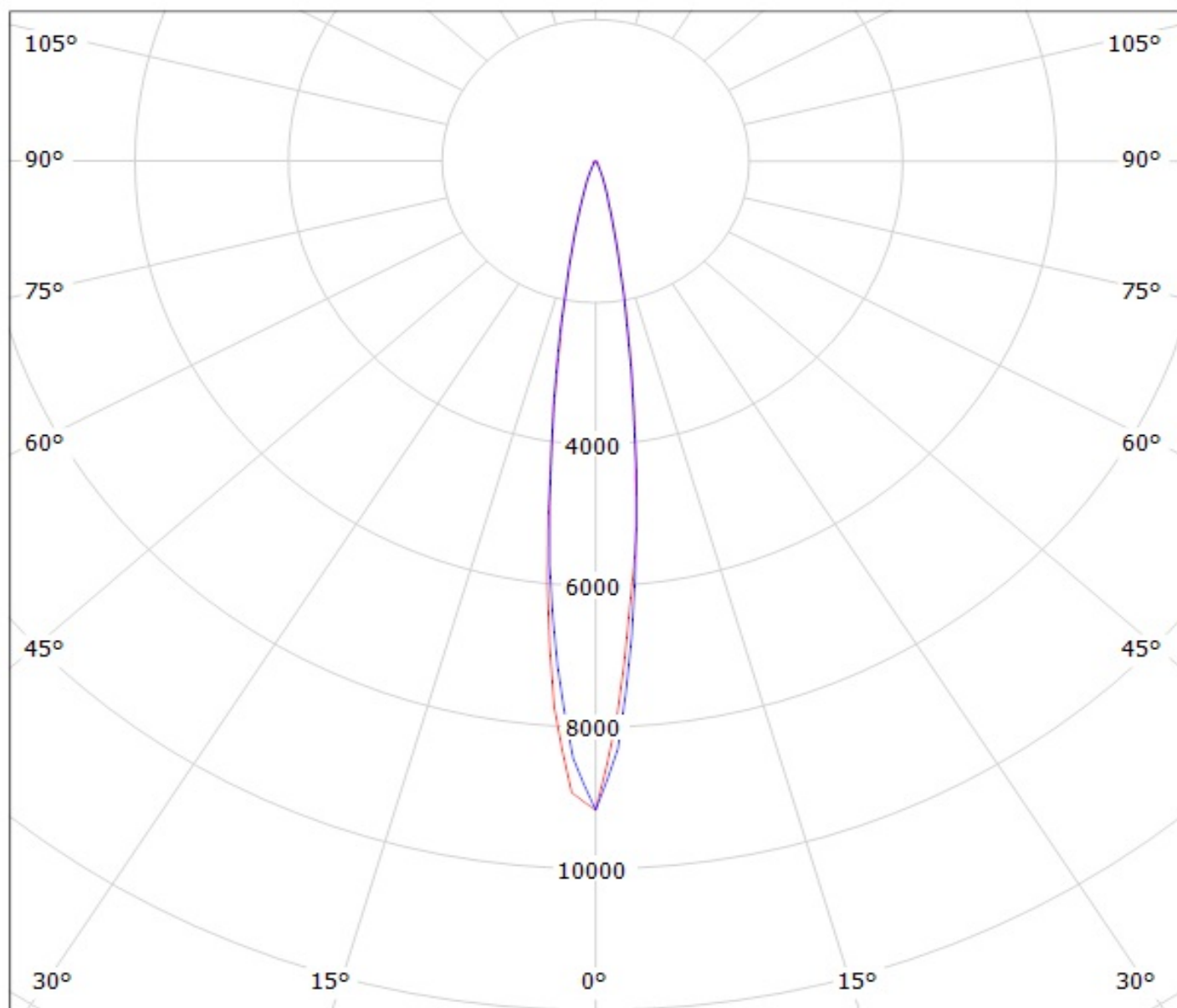
— C0 - C180

— C90 - C270

**SIMULATED**



Luminaire: Ledil Oy CA12242\_HEIDI-SS-Z5 LOR=89%  
Lamps: 1 x Seoul Z5 250mA 77lm



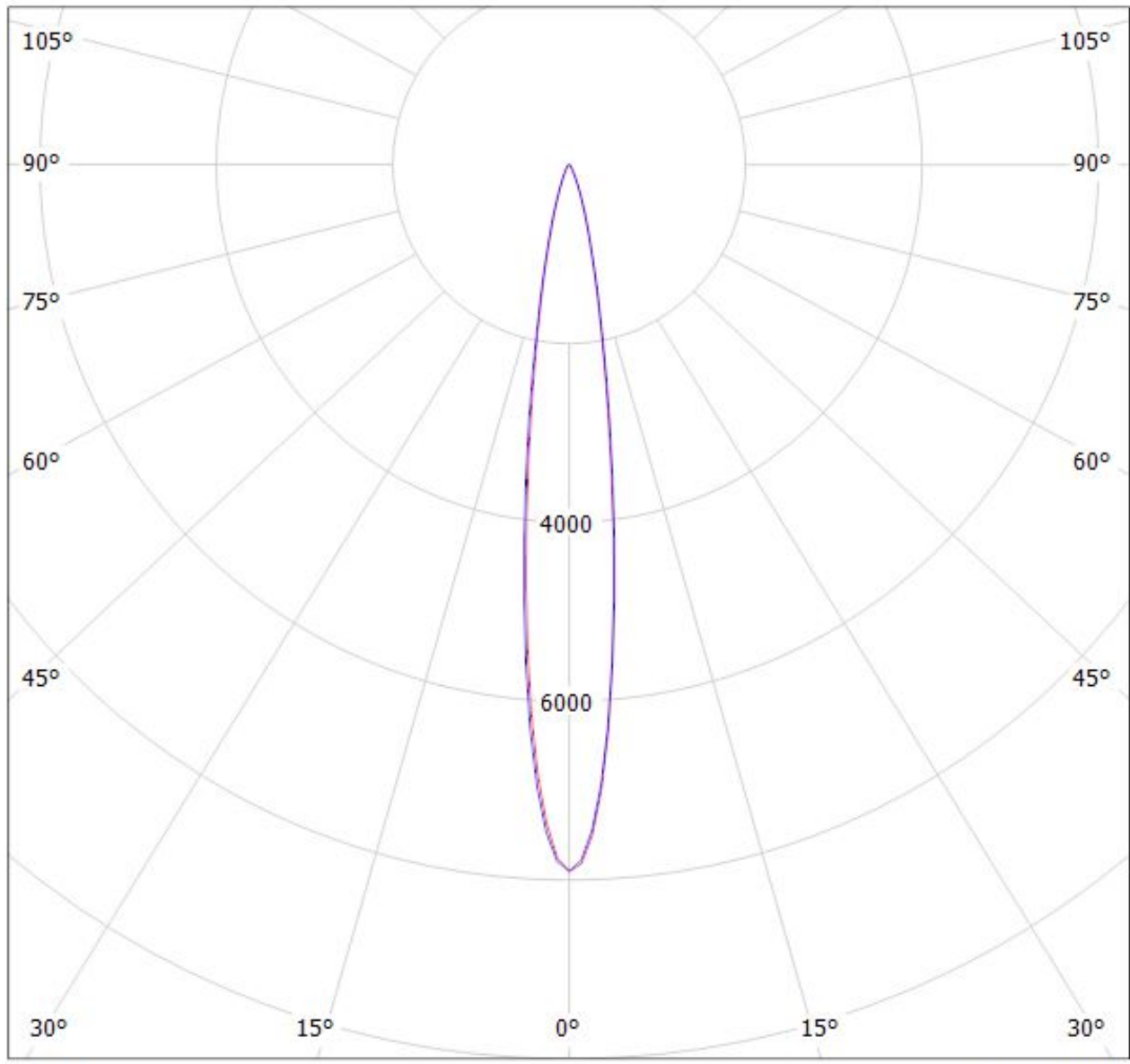
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA12242\_HEIDI-SS\_(Seoul\_Z5M1)

Lamps: 1 x Seoul\_Z5M1\_107.648lm@250mA\_CCT=9074K\_P=0.739754W\_I=249.9mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 91\%$

**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.**