

## DETAILS

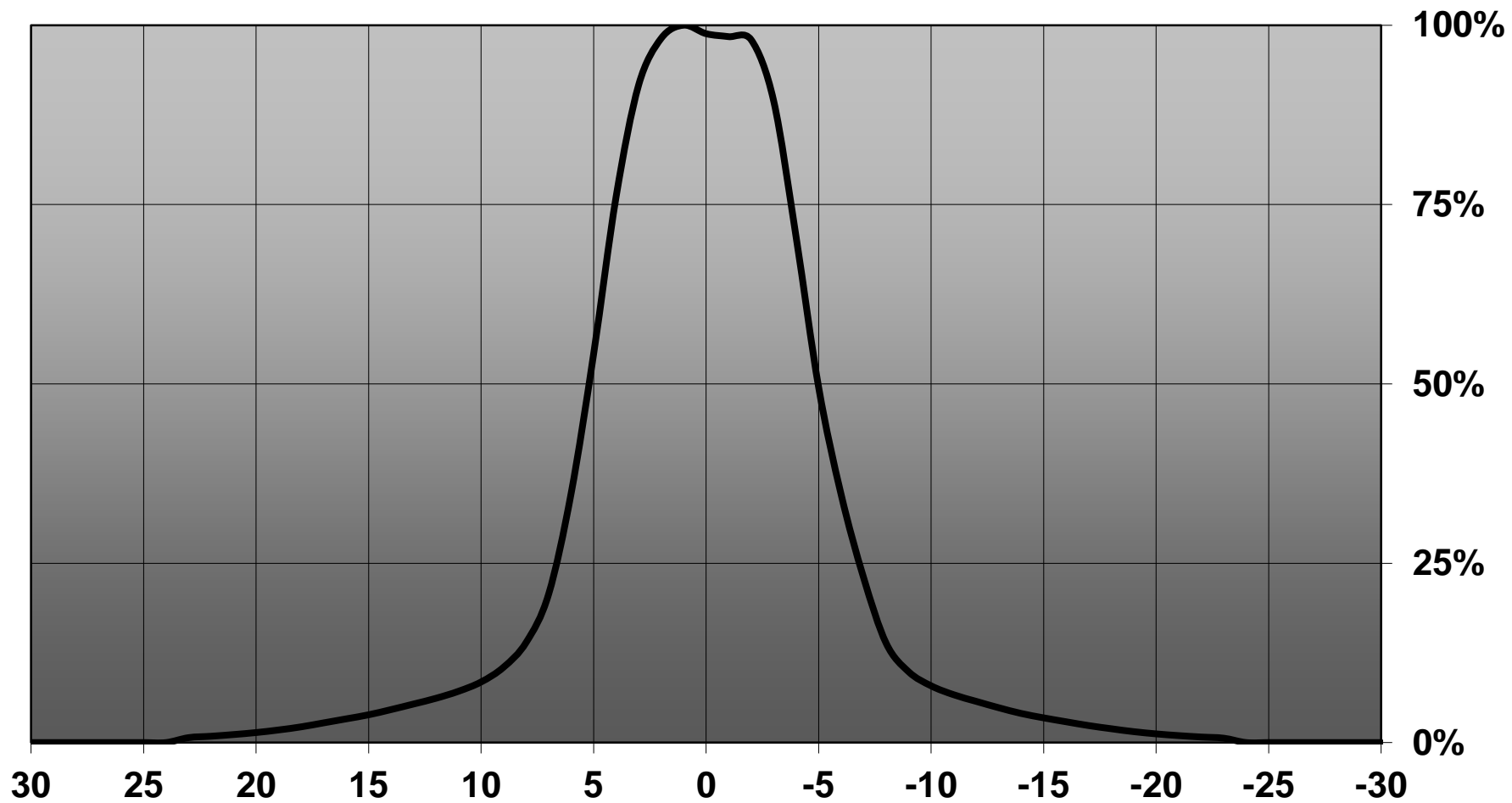
<b>Product Number</b>	CA11663_HEIDI-RS
<b>Family</b>	Heidi
<b>Type</b>	Assembly
<b>Color</b>	clear
<b>Diameter</b>	21,6 mm
<b>Height</b>	11,7 mm
<b>Style</b>	round
<b>Optic Material</b>	PMMA
<b>Holder Material</b>	
<b>Fastening</b>	pin, tape
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	8/06/2016



## OPTICAL PROPERTIES

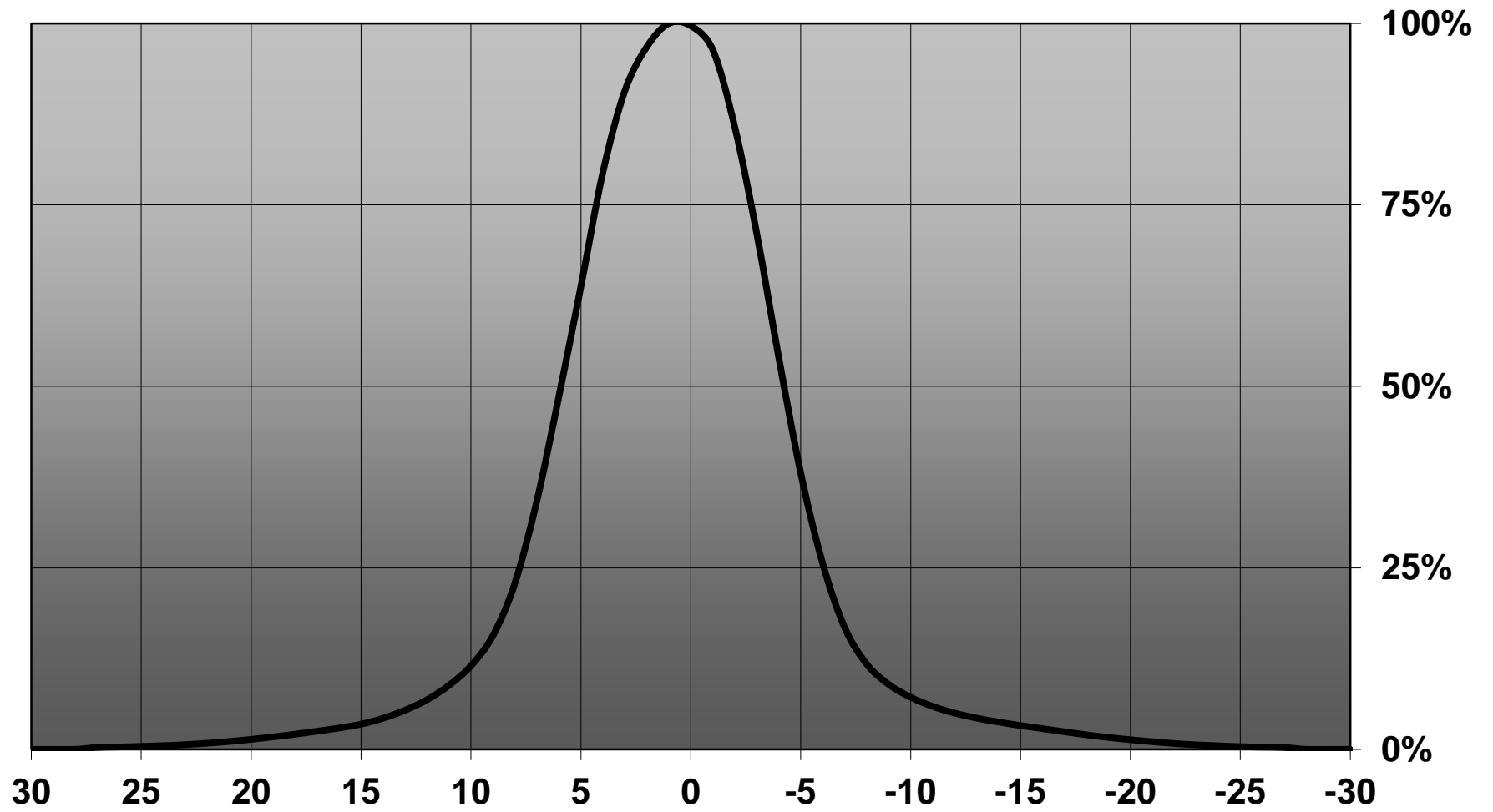
LED	Viewing	Light	Effi-	cd/lm	Connector
	Angle	Beam	ciency		
XP-E	8 deg	Real spot	93 %	26.800	-
XP-G	9 deg	Real spot	93 %	16.600	-
XB-D	8 deg	Real spot	91 %	19.700	-
XP-E2	8 deg	Real spot	90 %	38.000	-
XP-G2	11 deg	Real spot	91 %	19.100	-
XB-H	10 deg	Real spot	90 %	18.300	-
LUXEON T	11 deg	Real spot	92 %	16.300	-
LUXEON TX	10 deg	Real spot	90 %	19.500	-
LUXEON C	7 deg	Real spot	92 %	35.550	-
NCSxx19A	8 deg	Real spot	89 %	19.000	-
NVSxx19A	10 deg	Real spot	89 %	13.900	-
NVSxx19B/NVSxx19C	12 deg	Real spot	92 %	13.900	-
NCSxx19B	9 deg	Real spot	90 %	25.200	-
Oslon SSL 80	6 deg	Real spot	90 %	29.400	-
Oslon SSL 150	7 deg	Real spot	93 %	24.700	-
Oslon Square EC	sim: 12	Real spot	-	sim: 11.750	-
Oslon Square Gen3	10 deg	Real spot	89 %	20.800	-
Fortimo FastFlex LED board 2x8/757 DS	13 deg	Real spot	92 %	19.000	-
LH351Z	11 deg	Real spot	89 %	20.700	-
Z5	7 deg	Real spot	93 %	32.700	-
Z5M1/Z5M2	11 deg	Real spot	94 %	17.770	-

# Relative intensity of CA11663\_HEIDI-RS\_(XB-H)



— C1 0-180

Relative intensity of CA11663\_HEIDI-RS\_(Square\_Gen3)



D

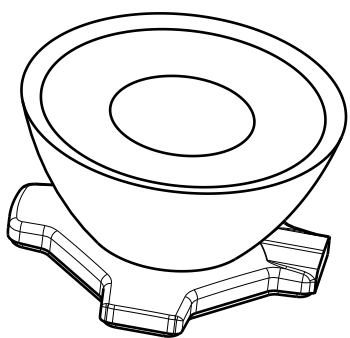
C

B

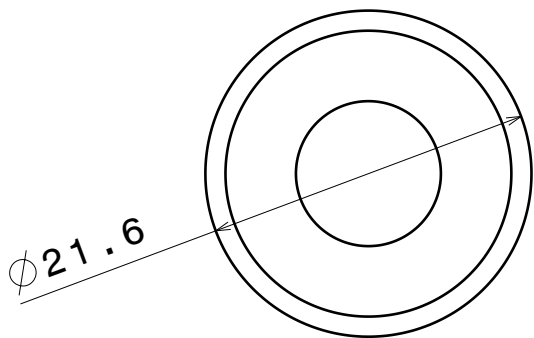
A

4

4



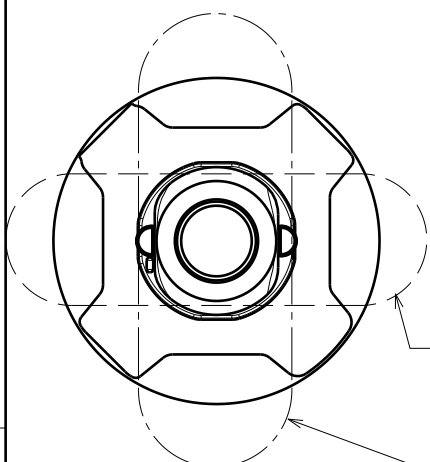
Isometric view



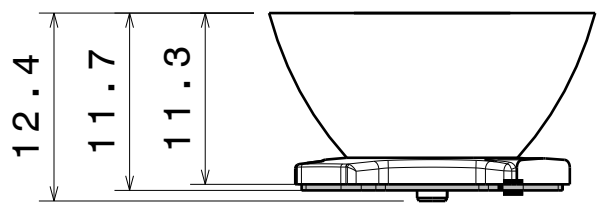
Top view

3

3



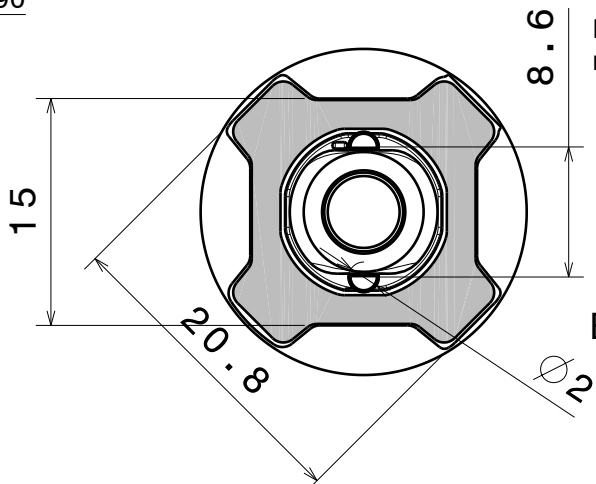
Bottom view  
OVAL BEAM direction



Front view

2

2



Bottom view

Material:  
Lens PMMA  
Tape PU Foam

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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

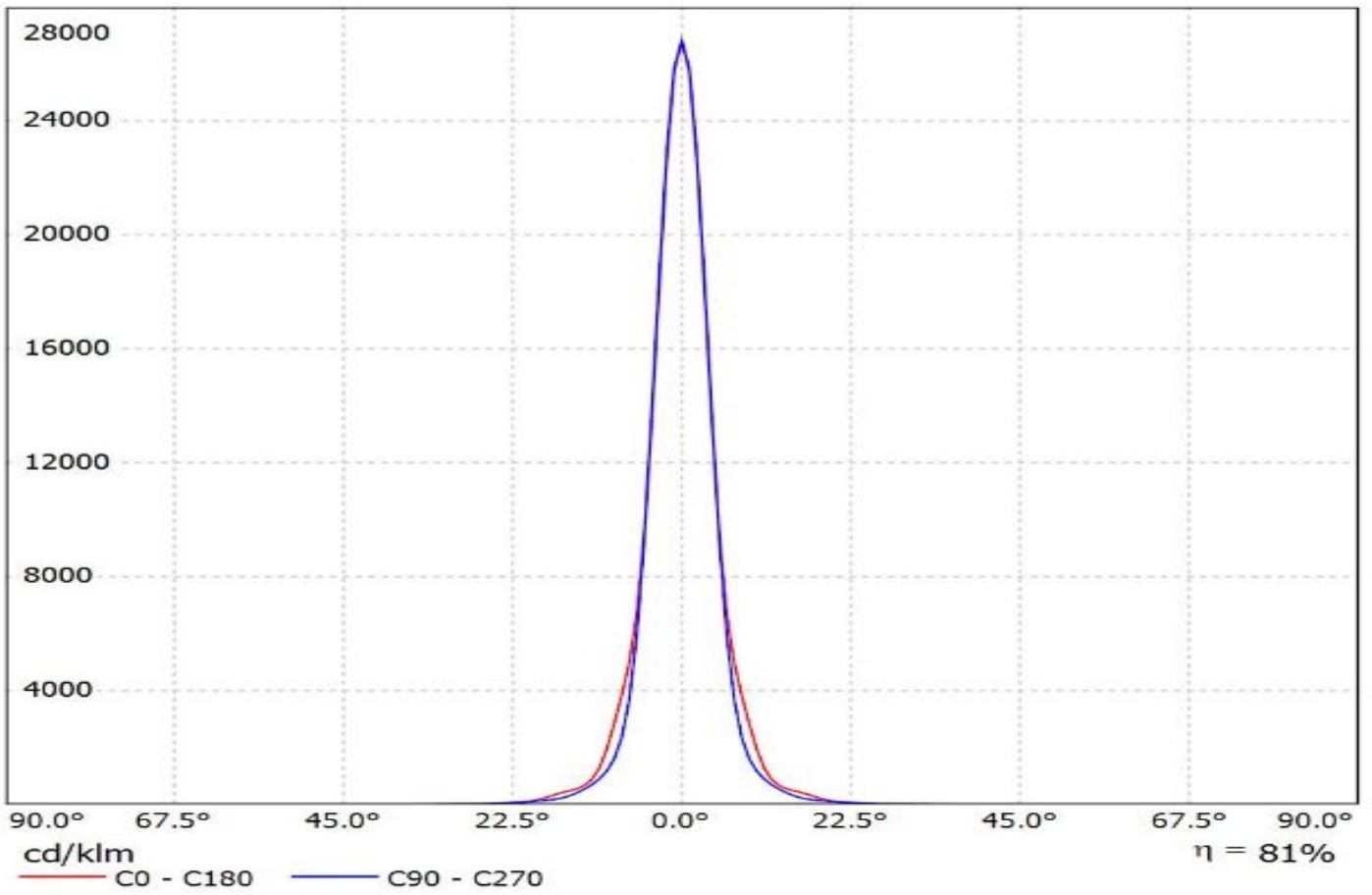
D

A

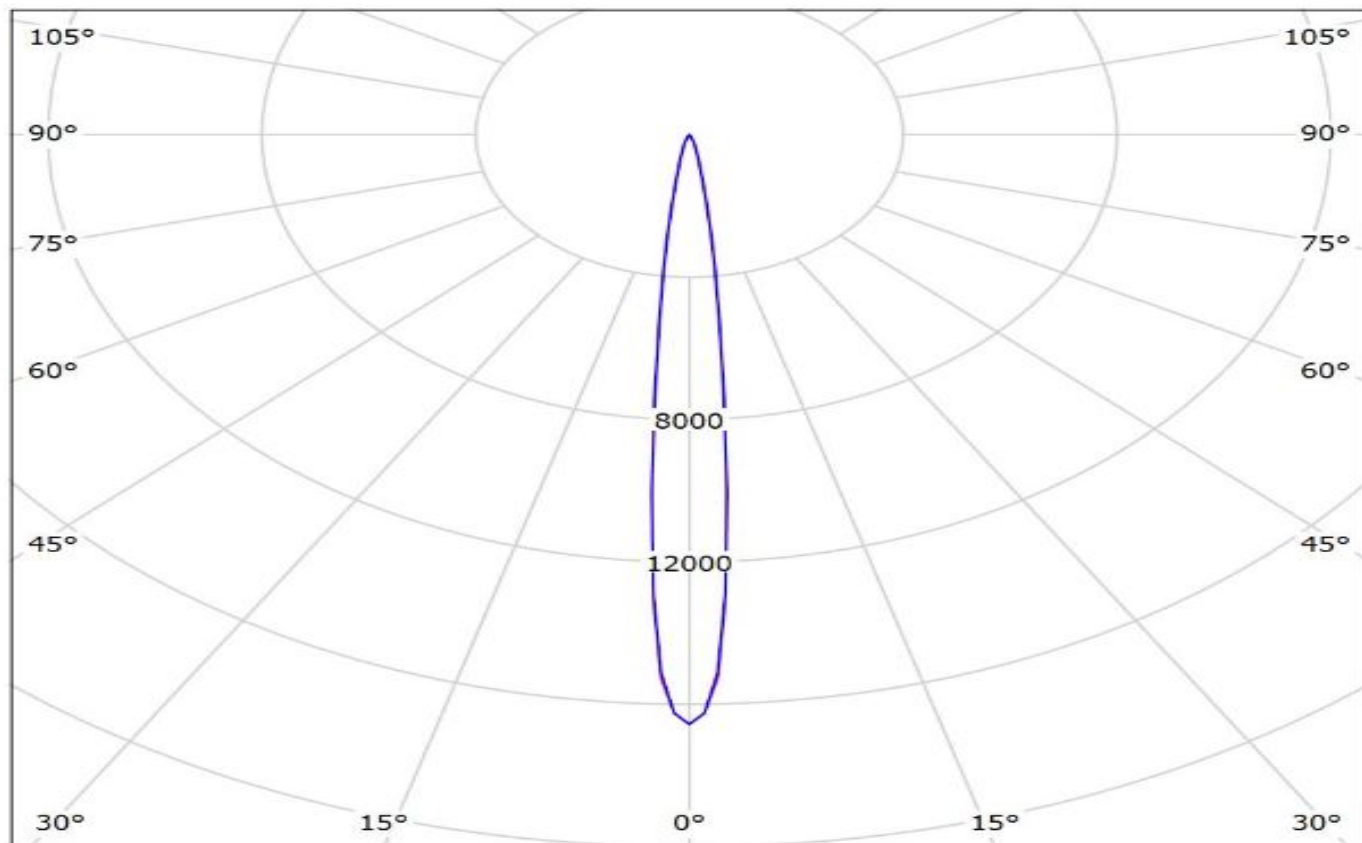
1

1

Luminaire: Ledil Oy CA11663\_Heidi-RS-XP  
Lamps: 1 x Cree XP-E 250mA 74lm

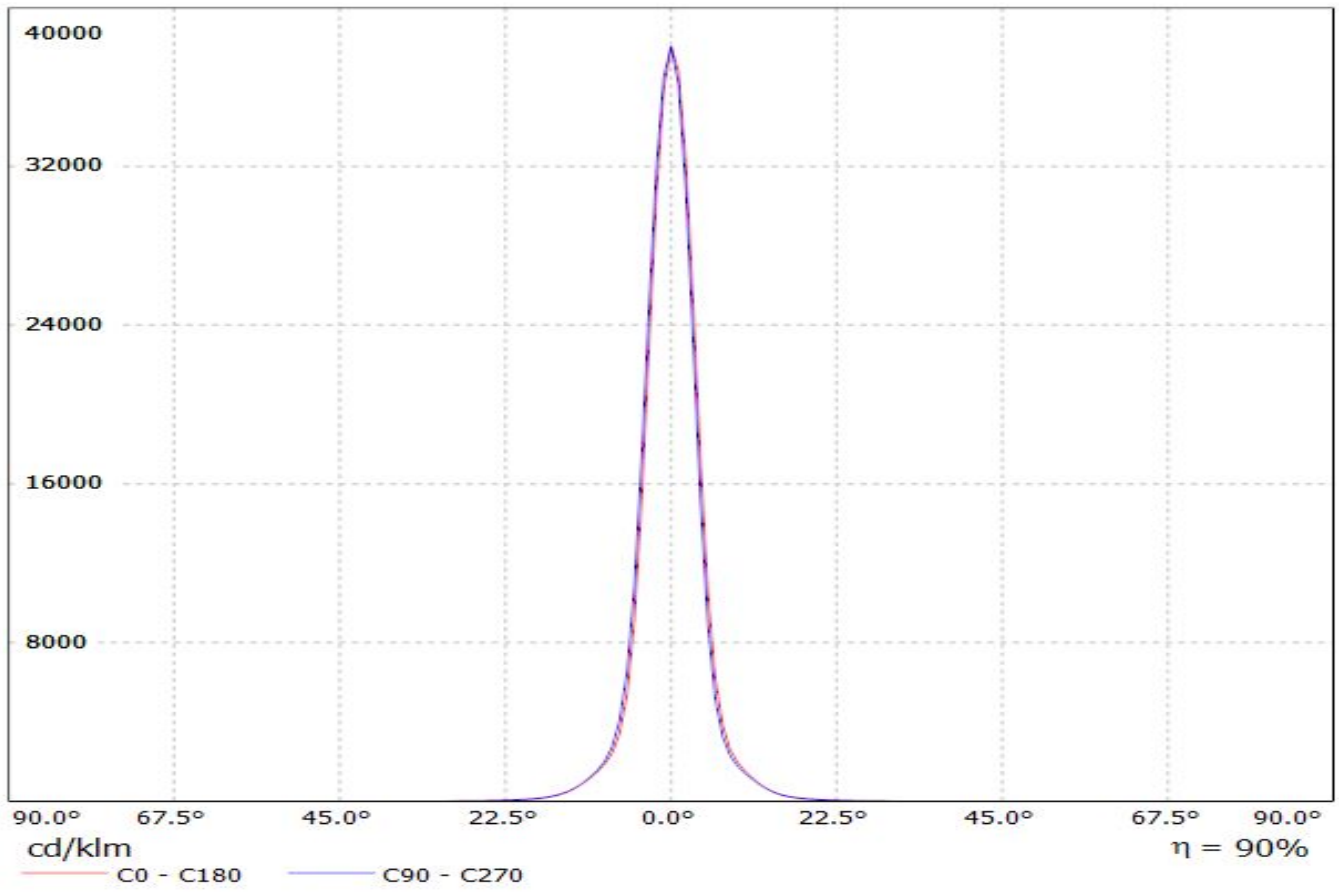


Luminaire: Ledil Oy CA11663\_Heidi-RS-XP-G CA11663\_Heidi-RS-XP-G  
Lamps: 1 x Cree XP-G white

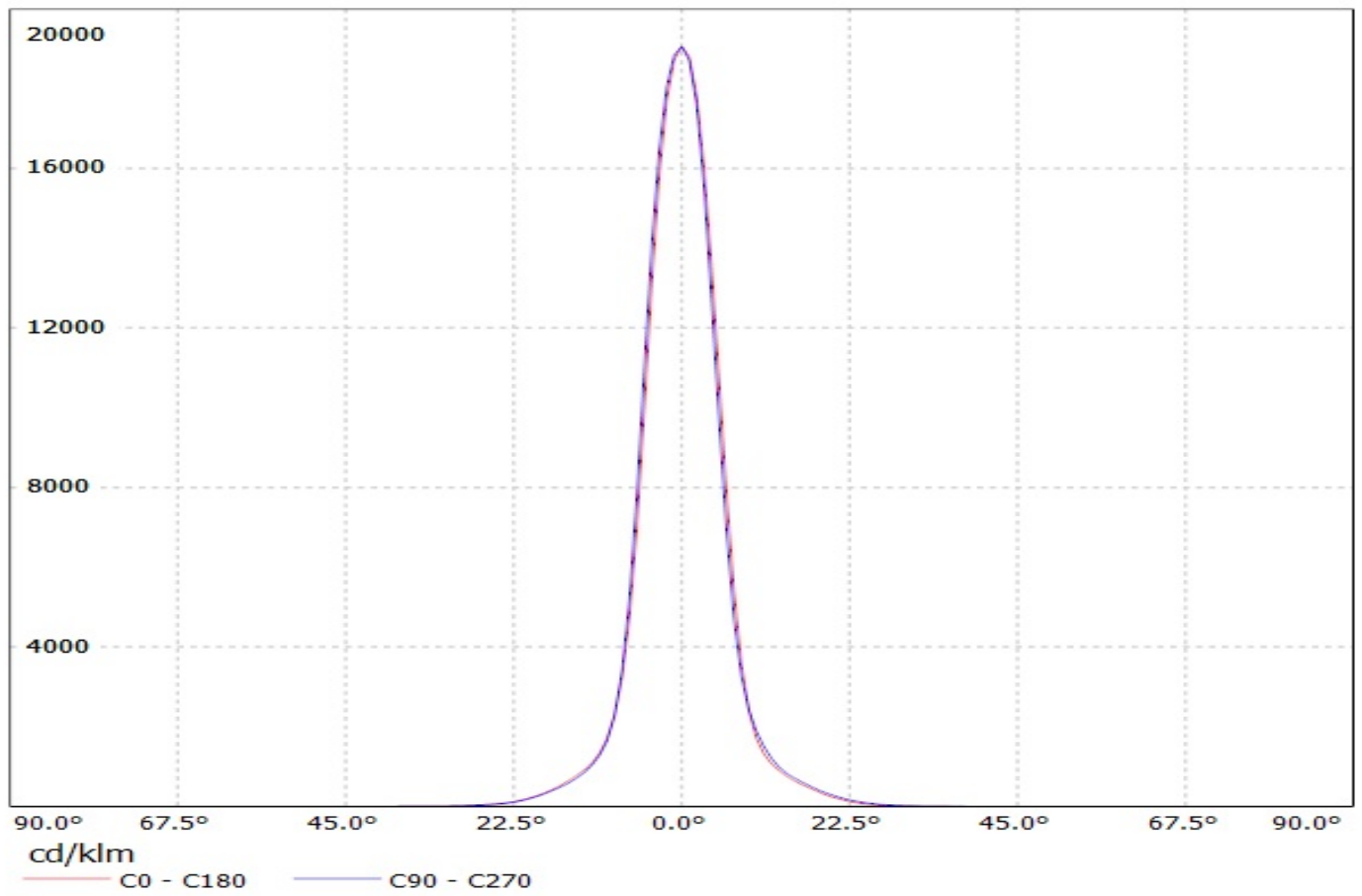


cd/klm  
— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CA11663\_HEIDI-RS\_(XP-E2) Eff. 90%  
Lamps: 1 x Cree XP-E2 92lm@250mA CCT:5500K P:0.8W



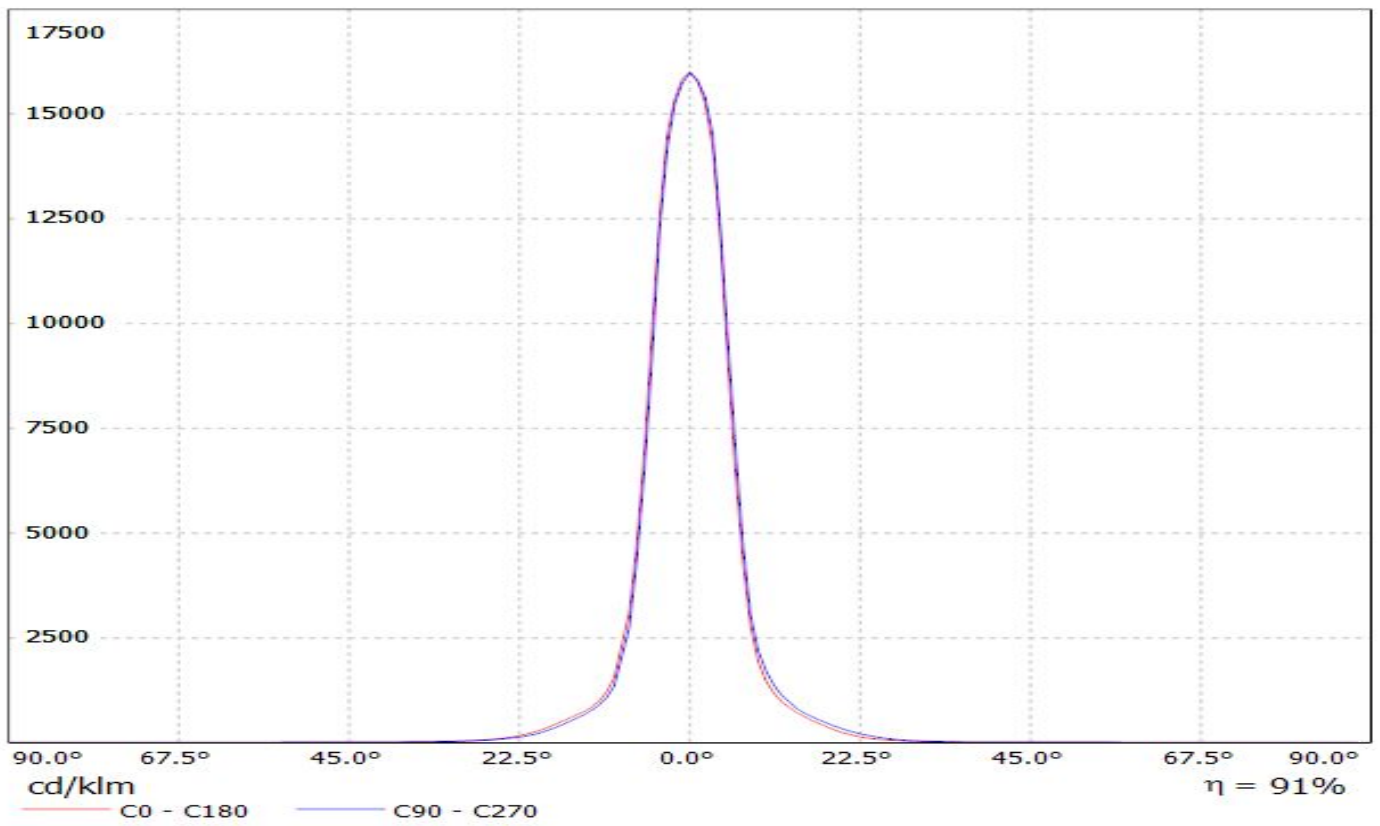
Luminaire: LEDil Oy CA11663\_HEIDI-RS\_(XP-G2) Efficiency=91%  
Lamps: 1 x Cree XP-G2 (XPGBWTL1-0000-00FE4) 100.7lm @ 250mA CCT=4900K P=0.7W I=250mA



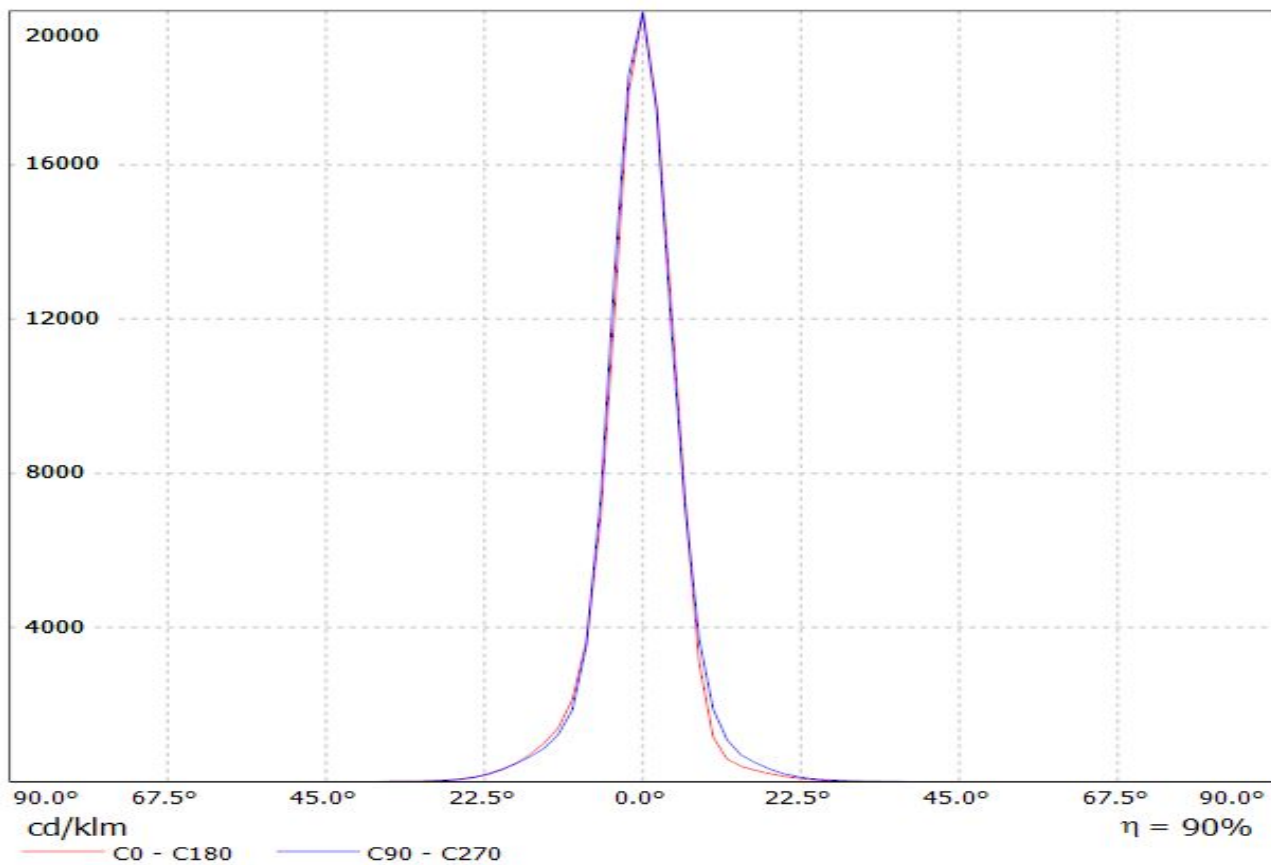


**LEDiL Oy CA11663\_HEIDI-RS\_(LUXEON\_T)\_1 Eff.91.7% / LDC (Linear)**

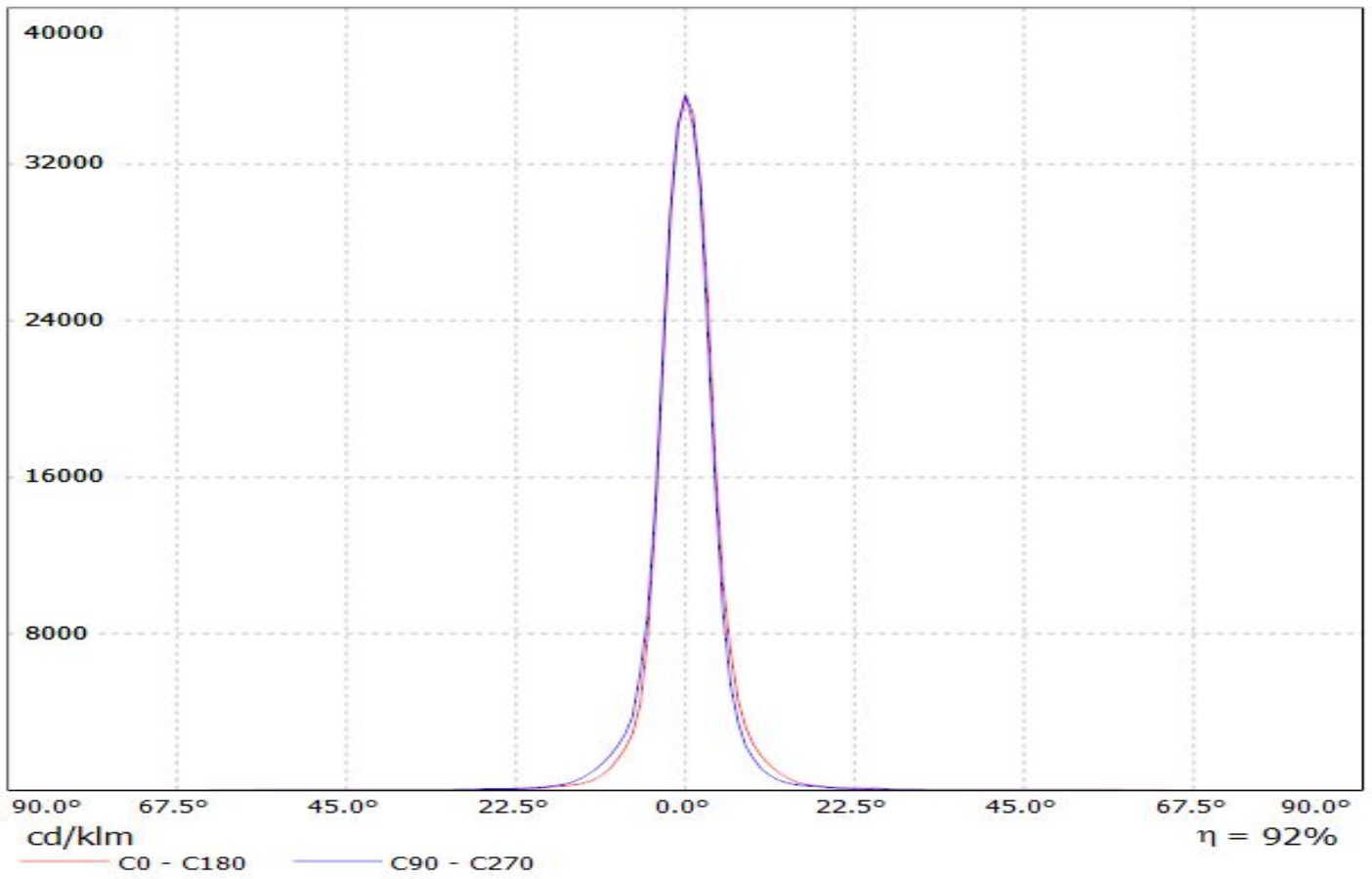
Luminaire: LEDiL Oy CA11663\_HEIDI-RS\_(LUXEON\_T)\_1 Eff.91.7%  
Lamps: 1 x LUXEON T (74lm@250mA)



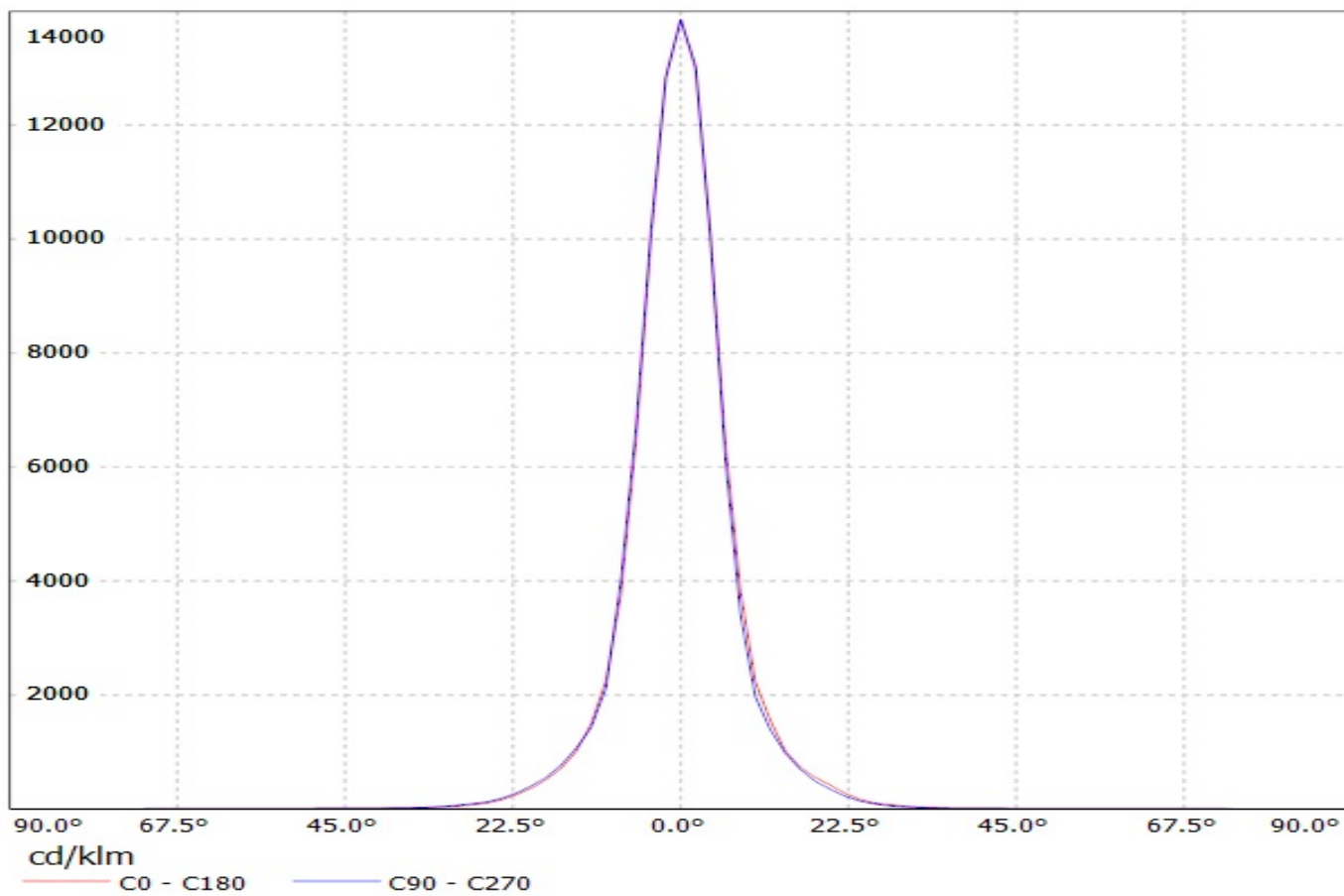
Luminaire: Ledil Oy CA11663\_HEIDI-RS\_(Luxeon\_TX)  
Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA



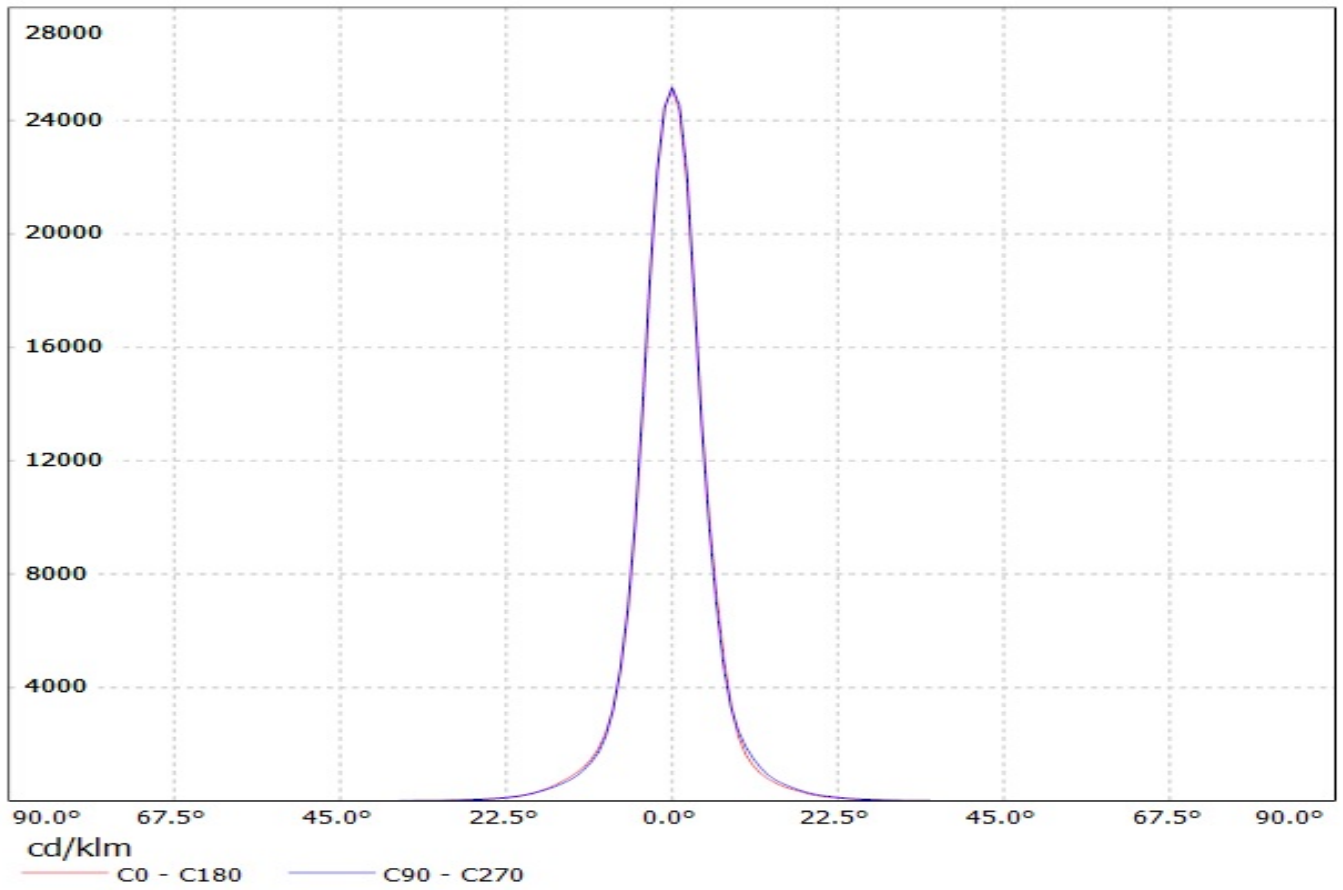
Luminaire: LEDiL Oy CA11663\_HEIDI-RS\_(Luxeon\_C\_WHITE)  
Lamps: 1 x Luxeon\_C\_WHITE\_84.6969lm@250mA\_P=0.7410W\_I=0.250A



Luminaire: Ledil Oy CA11663\_HEIDI-RS (Nichia 219B 109lm @ 250mA) Efficiency=92%  
Lamps: 1 x Nichia 219B 109lm @ 250mA

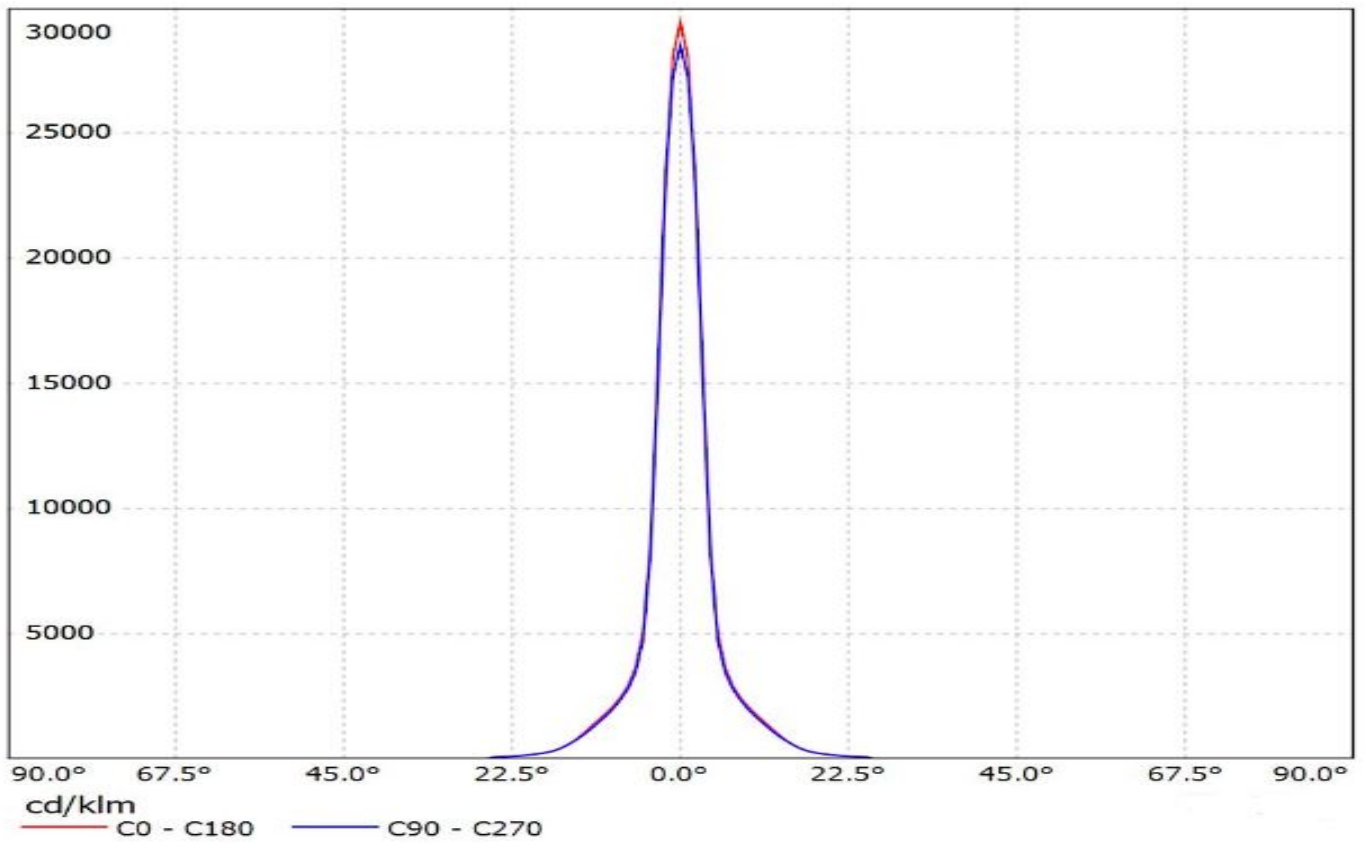


Luminaire: Ledil Oy CA11663\_HEIDI-RS\_(NCSxx19B) Efficiency=90%  
Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA

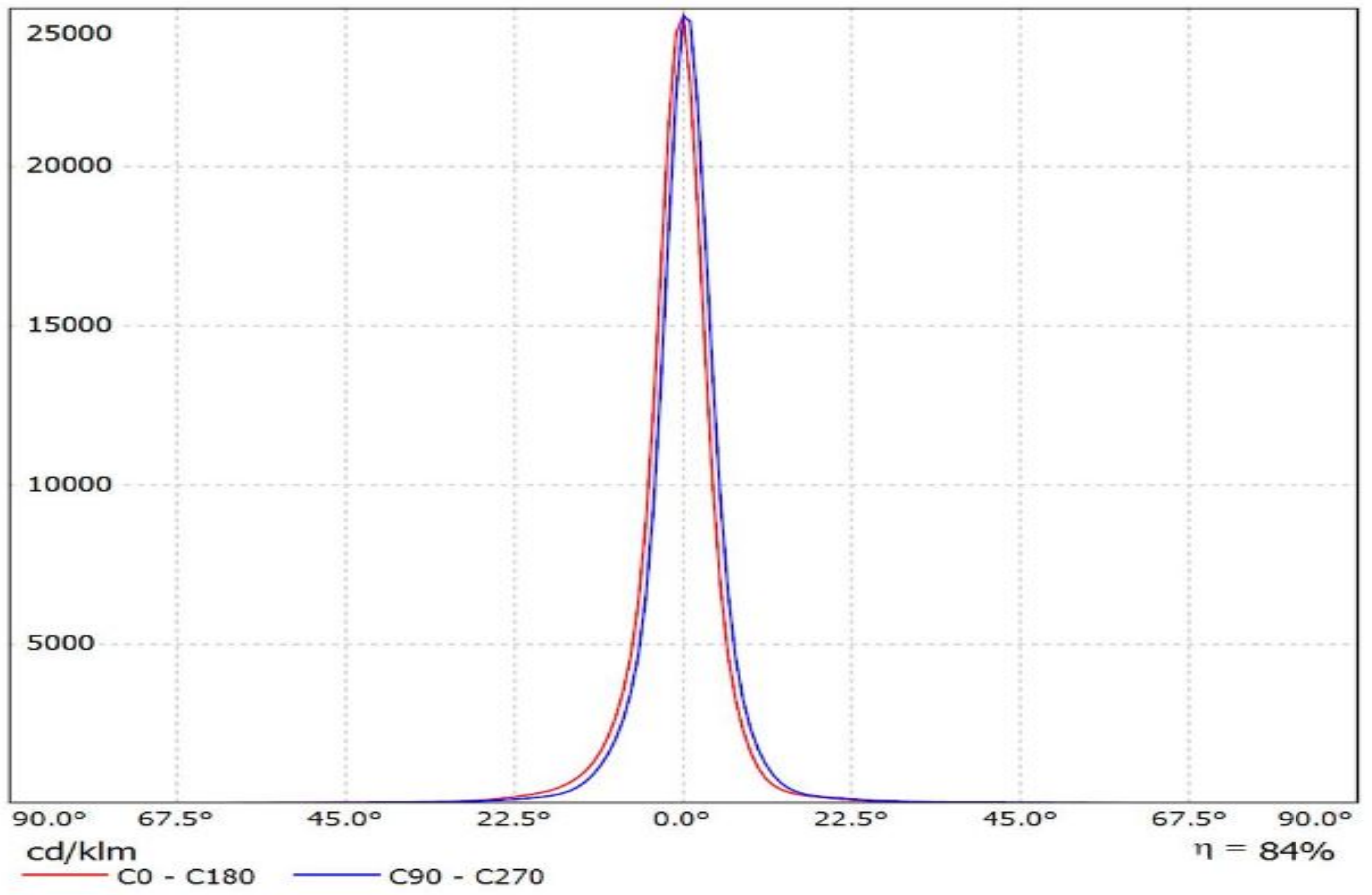


# Ledil Oy CA11663\_Heidi-RS-OS CA11663\_Heidi-RS-OS / LDC (Linear)

Luminaire: Ledil Oy CA11663\_Heidi-RS-OS CA11663\_Heidi-RS-OS  
Lamps: 1 x Osram Oslon 80 deg white

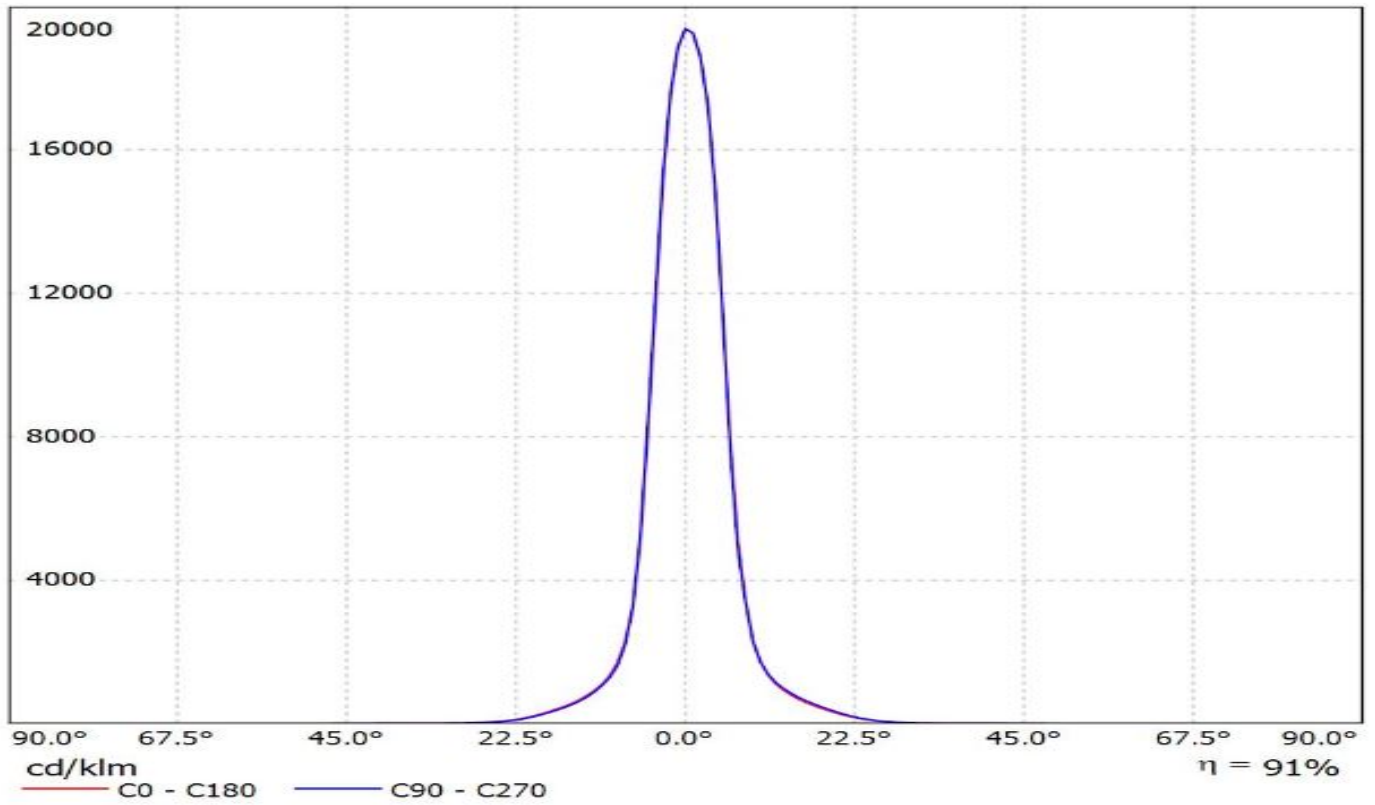


Luminaire: Ledil Oy <http://ledil.fi/node/2/p/3743> LOR=94%  
Lamps: 1 x Osram OSL150 250mA 109lm



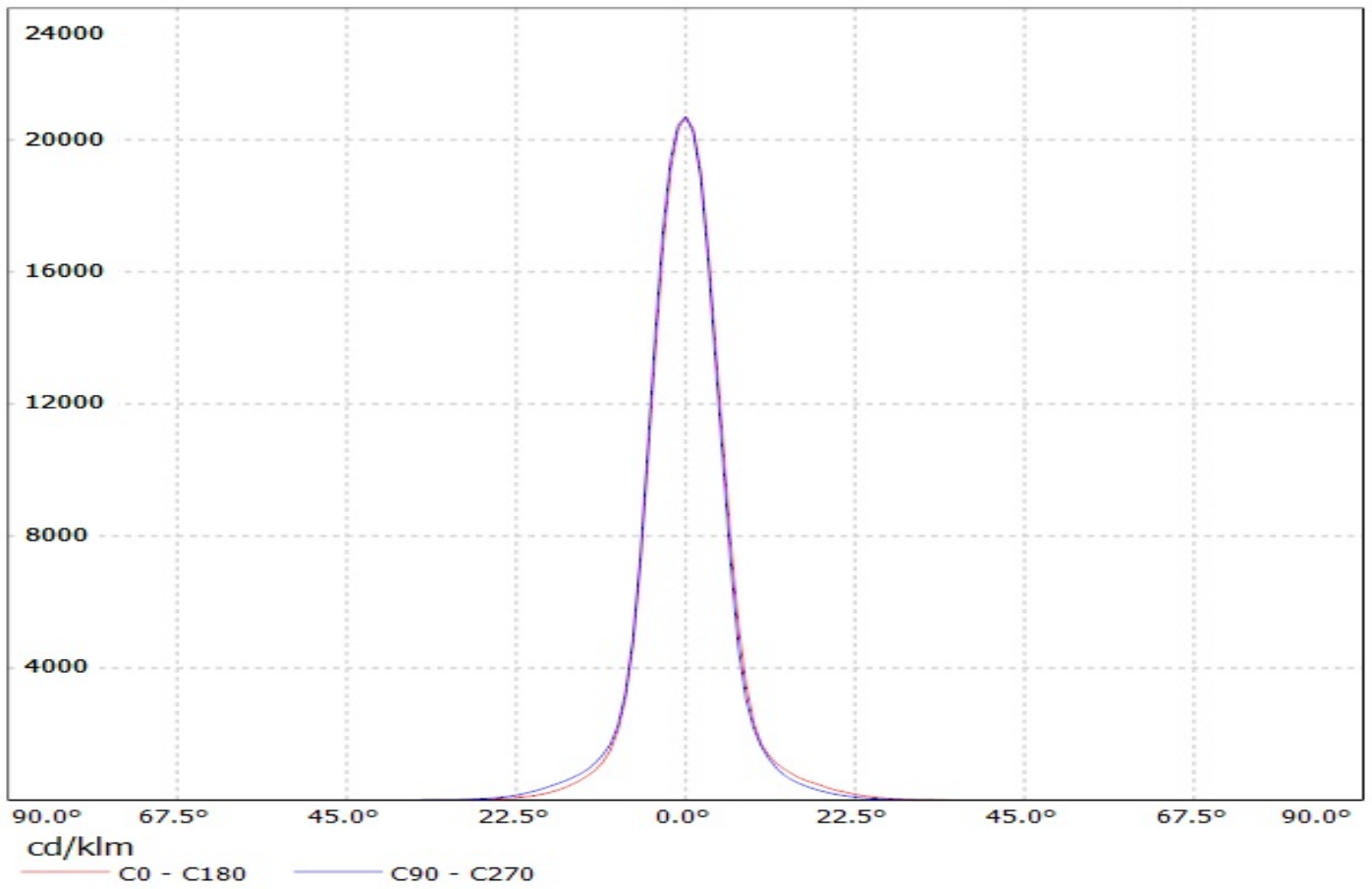
**Ledil CA11663\_HEIDI-RS\_(Fortimo\_FastFlex\_LED\_board 2x8/757\_DS\_G3) / LDC (Linear)**

Luminaire: Ledil CA11663\_HEIDI-RS\_(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



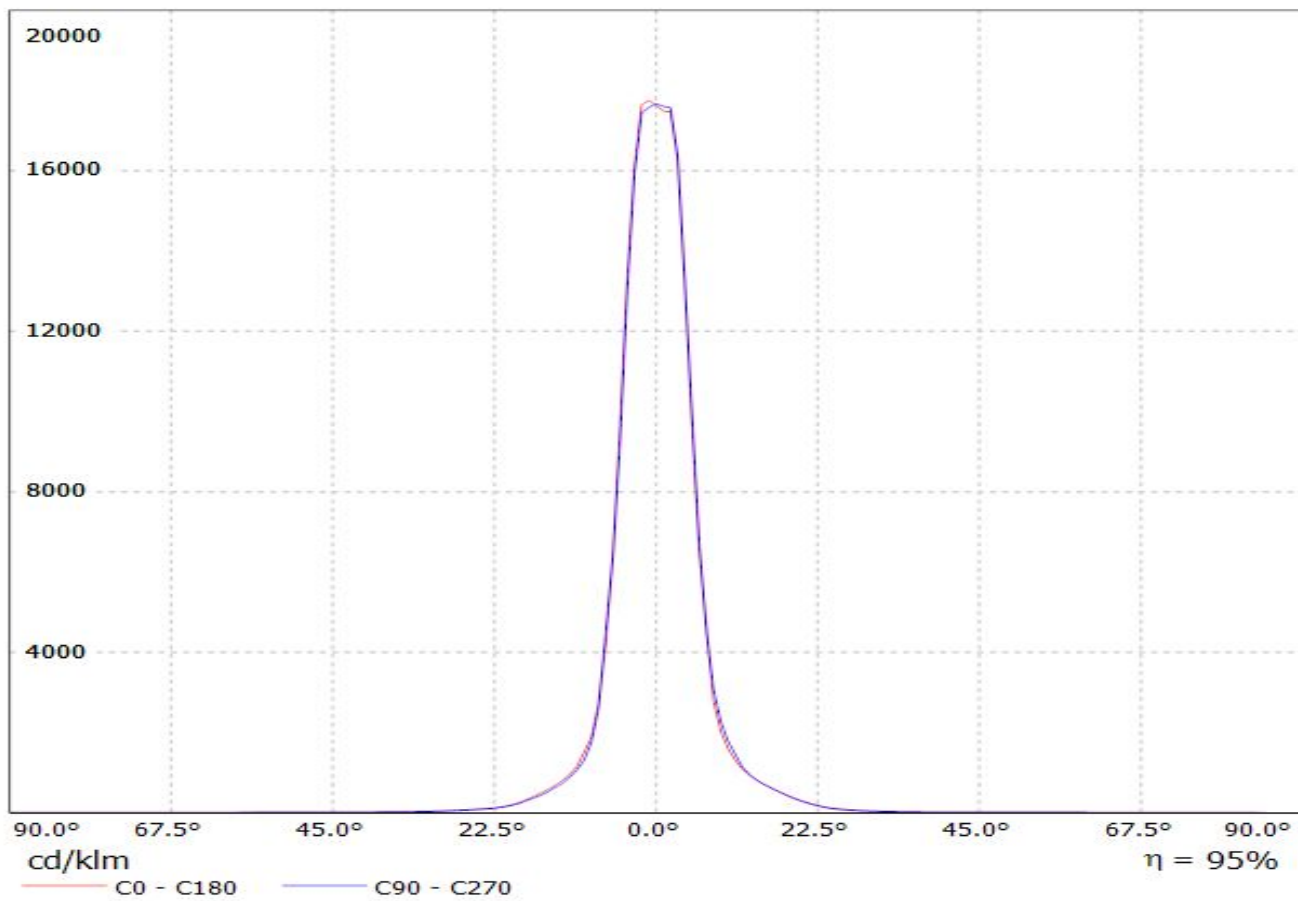


Luminaire: Ledil Oy CA11663\_HEIDI-RS\_(LH351Z) Efficiency=89%  
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA

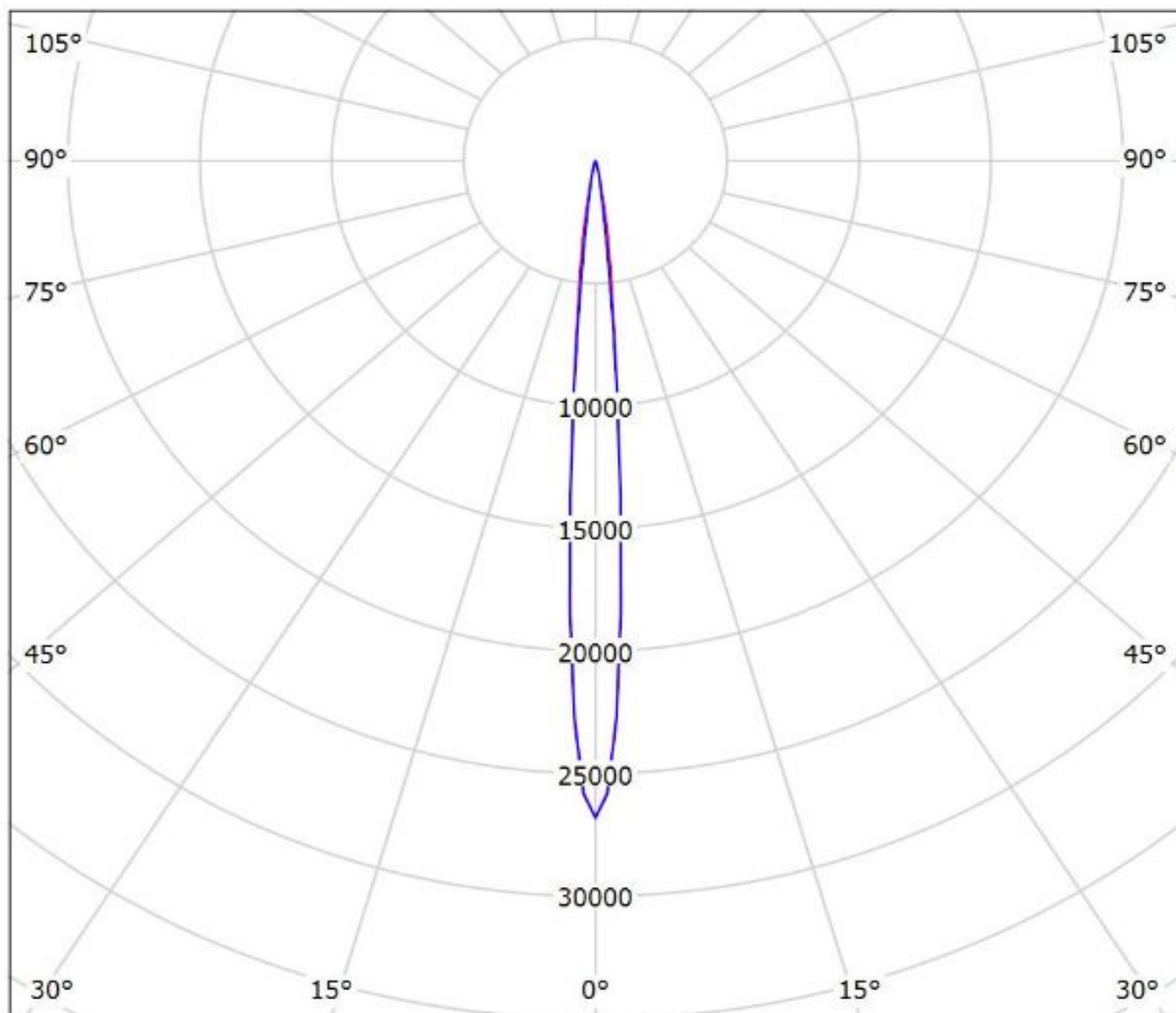


Luminaire: LEDiL Oy CA11663\_HEIDI-RS\_(Z5M1)

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



Luminaire: Ledil Oy CA11663\_Heidi-RS-XP  
Lamps: 1 x Cree XP-E 250mA 74lm

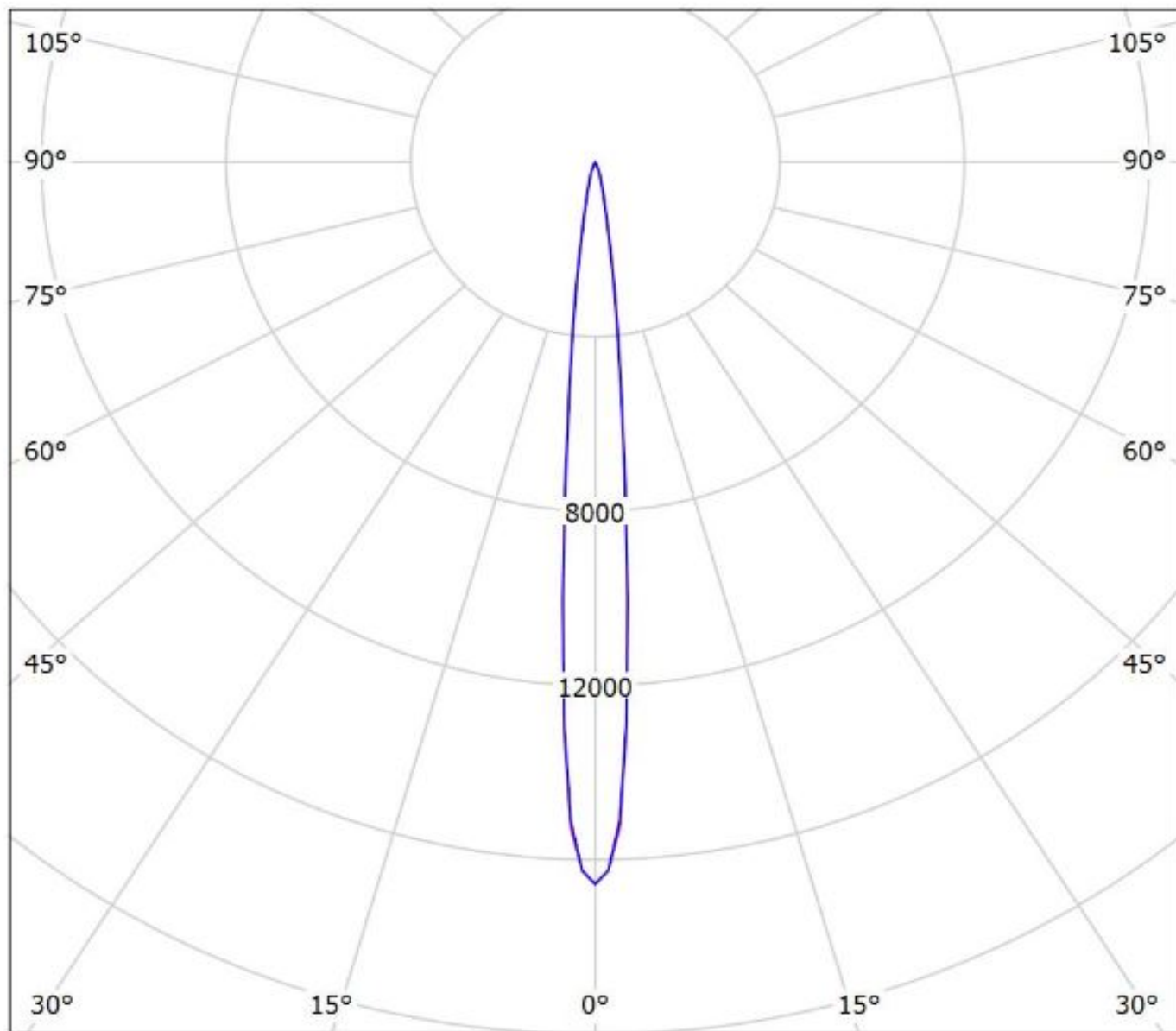


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA11663\_Heidi-RS-XP-G CA11663\_Heidi-RS-XP-G  
Lamps: 1 x Cree XP-G white

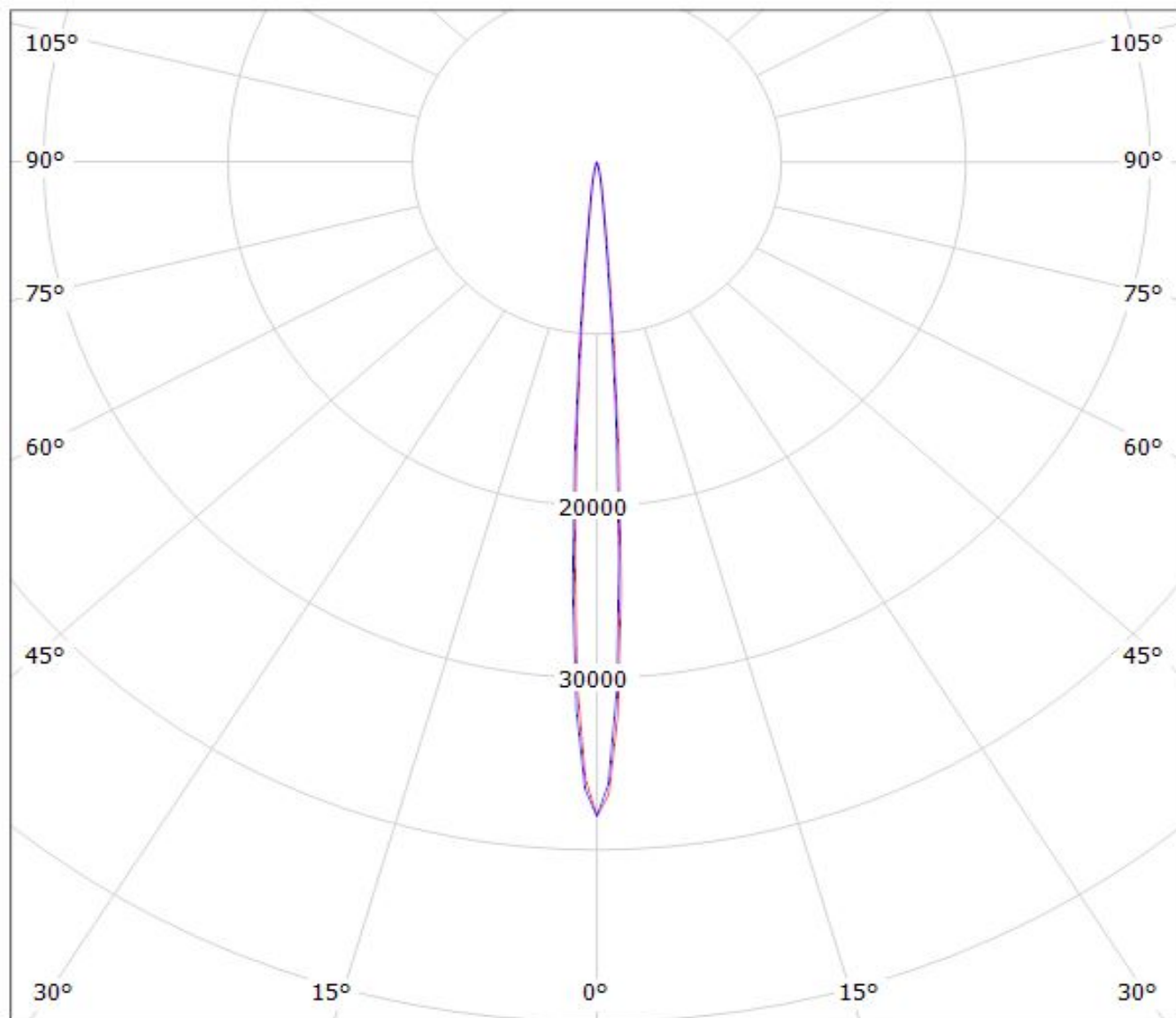


cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA11663\_HEIDI-RS\_(XP-E2) Eff. 90%  
Lamps: 1 x Cree XP-E2 92lm@250mA CCT:5500K P:0.8W



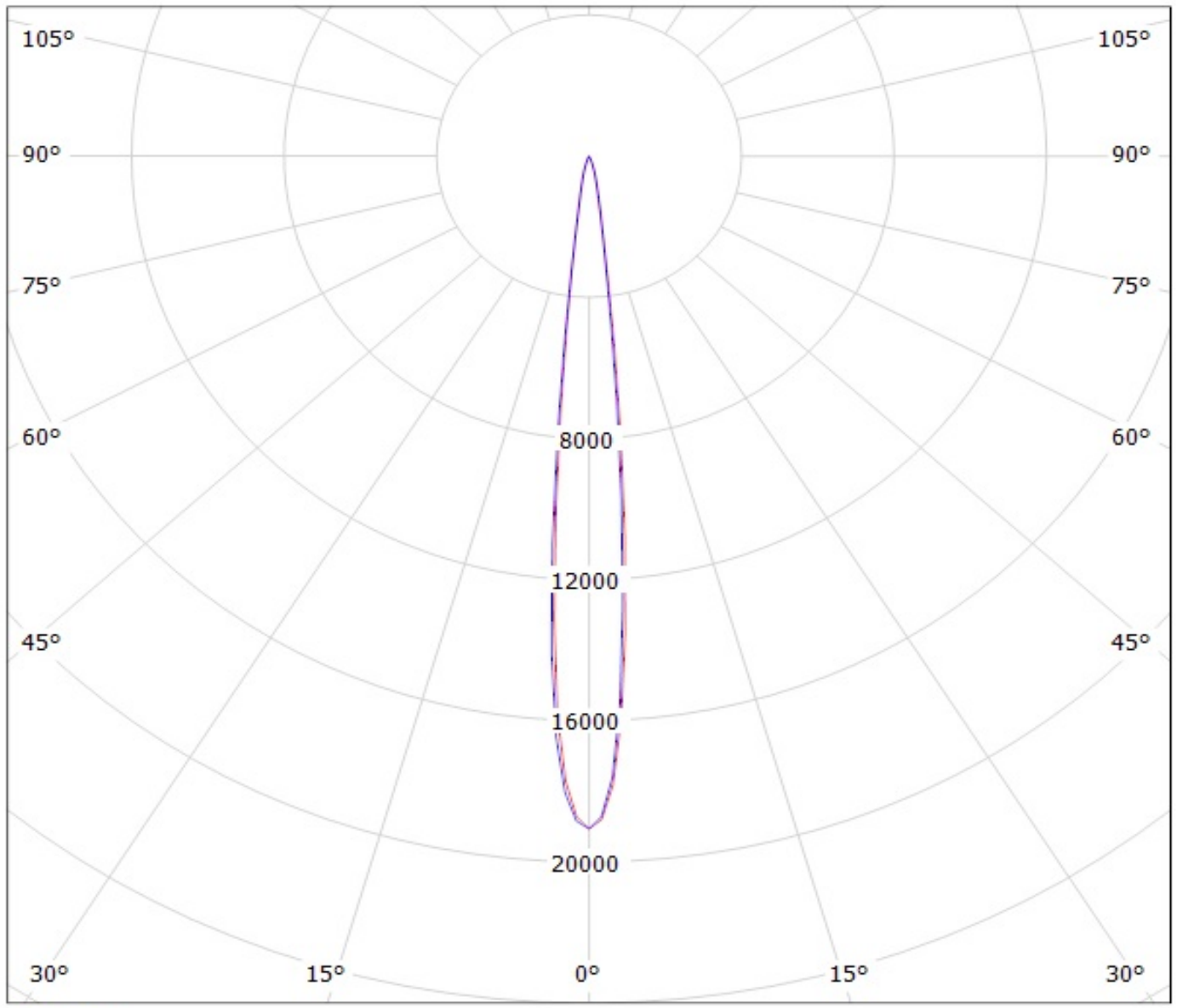
cd/klm

$\eta = 90\%$

— C0 - C180

— C90 - C270

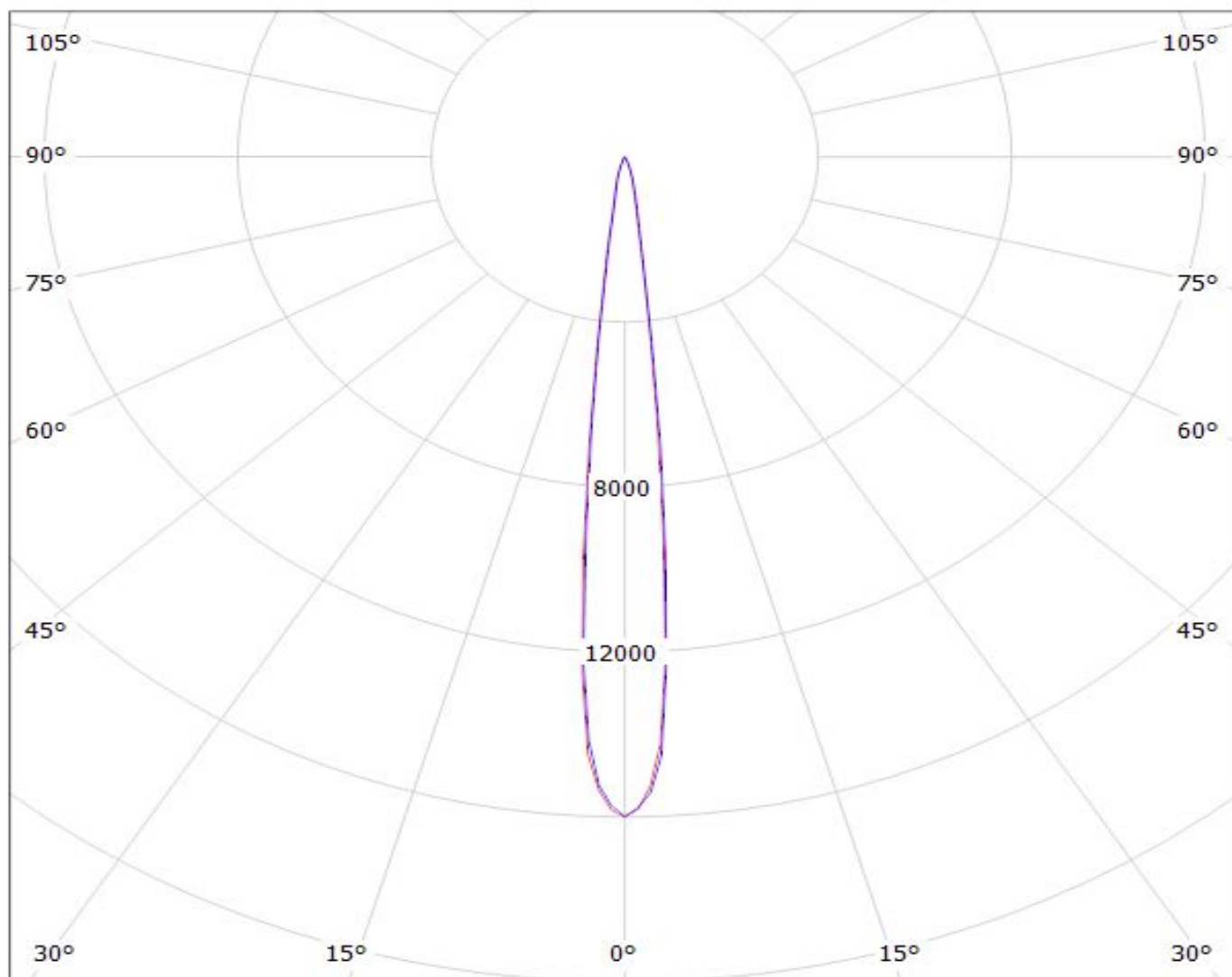
Luminaire: LEDil Oy CA11663\_HEIDI-RS\_(XP-G2) Efficiency=91%  
Lamps: 1 x Cree XP-G2 (XPGBWT-L1-0000-00FE4) 100.7lm @ 250mA CCT=4900K P=0.7W I=250mA



cd/klm  
— C0 - C180 — C90 - C270

# LEDiL Oy CA11663\_HEIDI-RS\_(LUXEON\_T)\_1 Eff.91.7% / LDC (Polar)

Luminaire: LEDiL Oy CA11663\_HEIDI-RS\_(LUXEON\_T)\_1 Eff.91.7%  
Lamps: 1 x LUXEON T (74lm@250mA)



cd/klm

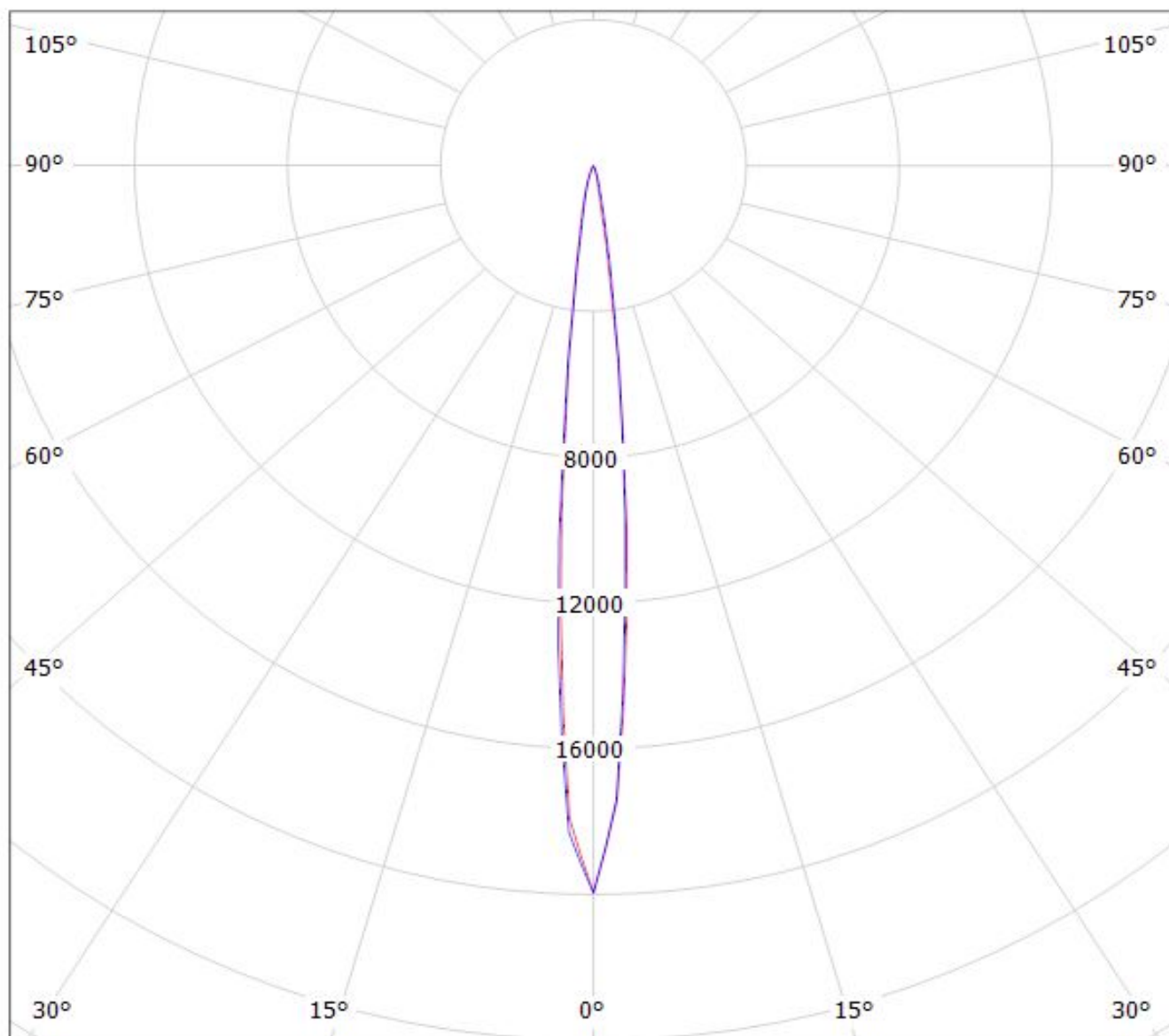
— C0 - C180

— C90 - C270

$\eta = 91\%$

Luminaire: Ledil Oy CA11663\_HEIDI-RS\_(Luxeon\_TX)

Lamps: 1 x Luxeon TX (L1T2-3585) 108lm @ 250mA CCT=3521K P=0.73W I=250mA



cd/klm

— C0 - C180

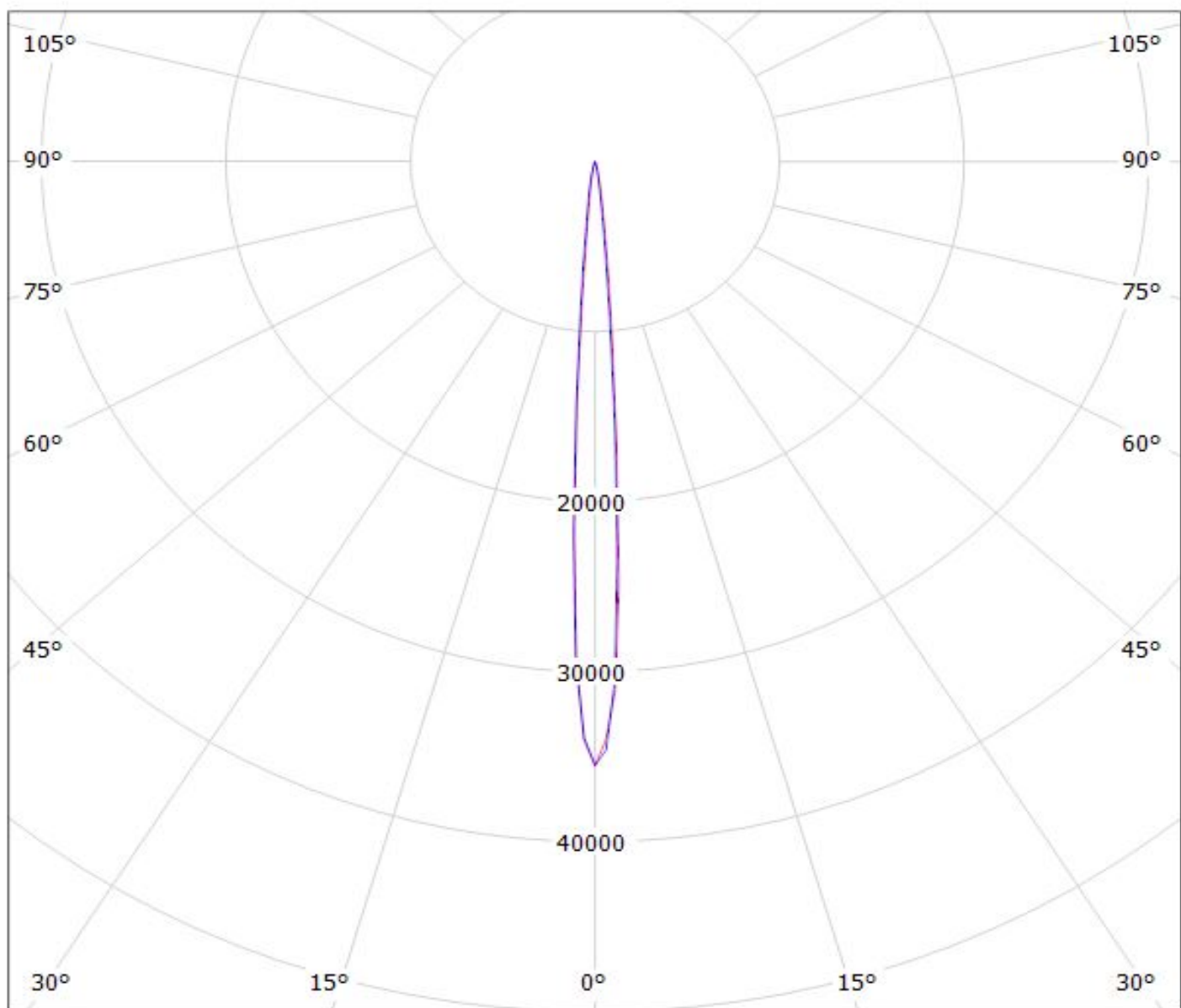
— C90 - C270

$\eta = 90\%$



Luminaire: LEDiL Oy CA11663\_HEIDI-RS\_(Luxeon\_C\_WHITE)

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



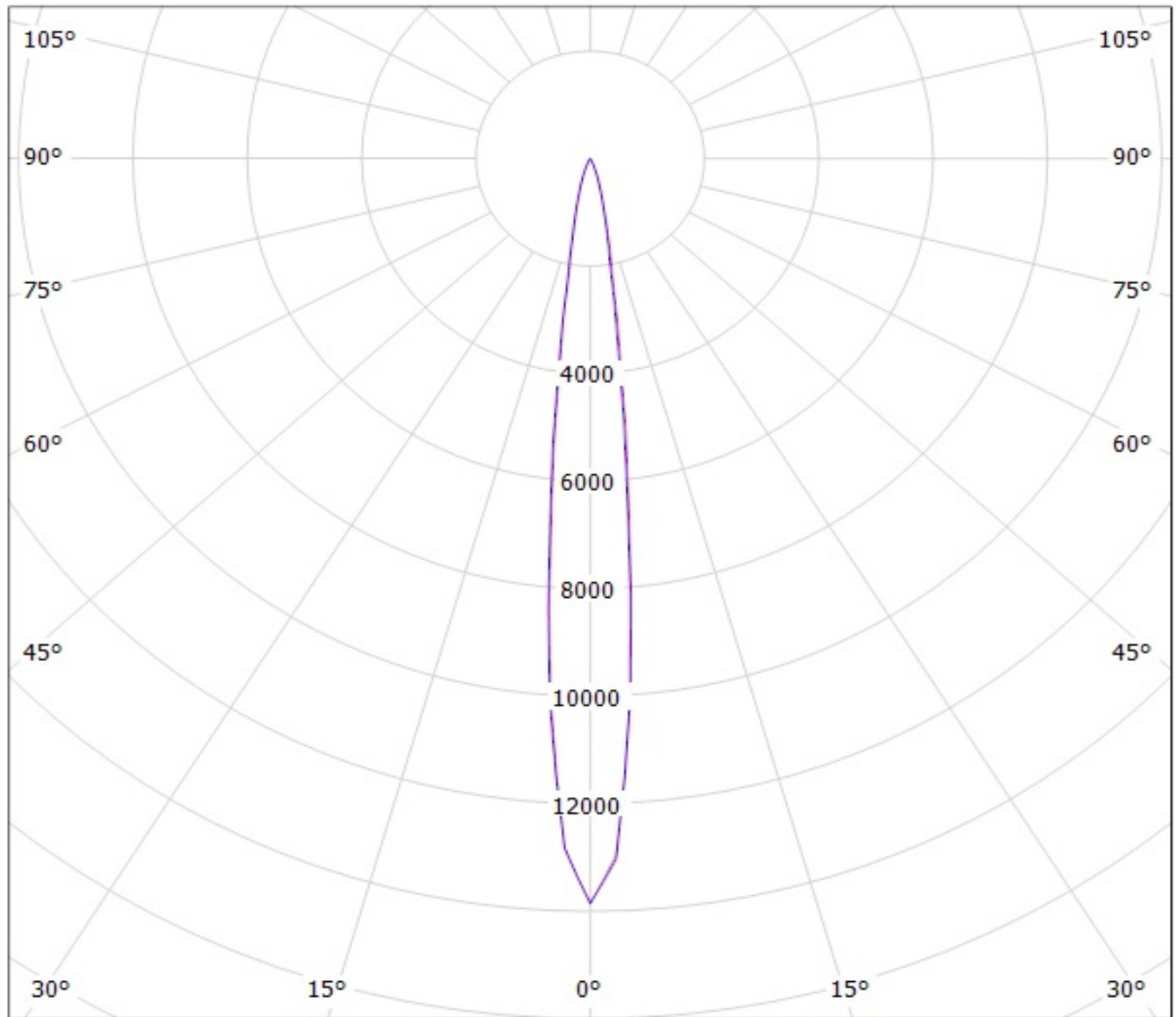
cd/klm

— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: Ledil Oy CA11663\_HEIDI-RS (Nichia 219B 109lm @ 250mA) Efficiency=92%  
Lamps: 1 x Nichia 219B 109lm @ 250mA



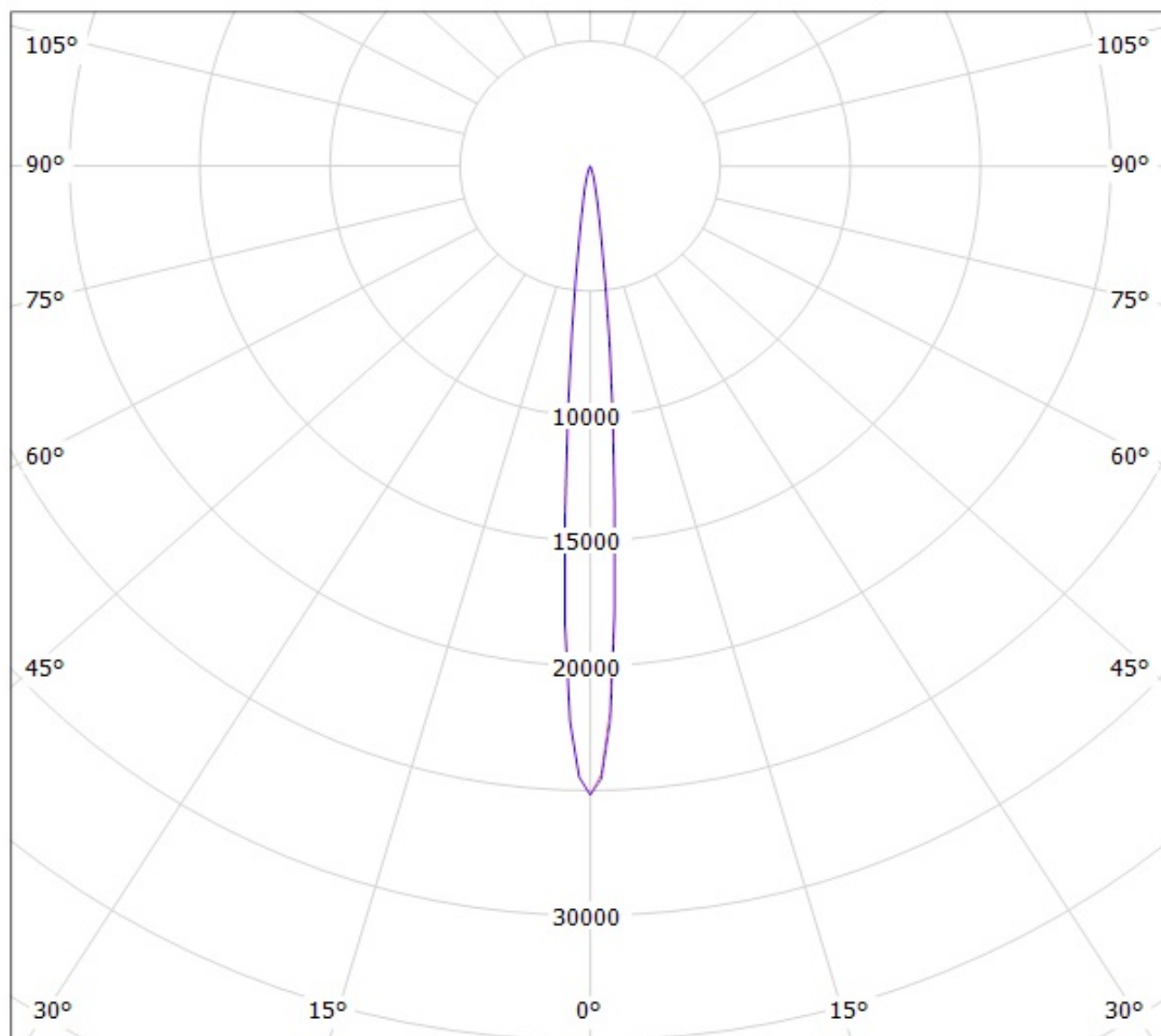
cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA11663\_HEIDI-RS\_(NCSxx19B) Efficiency=90%

Lamps: 1 x Nichia NCSxx19B (NCSL119BE) 88lm @ 250mA CCT=3000K P=0.8W I=250mA



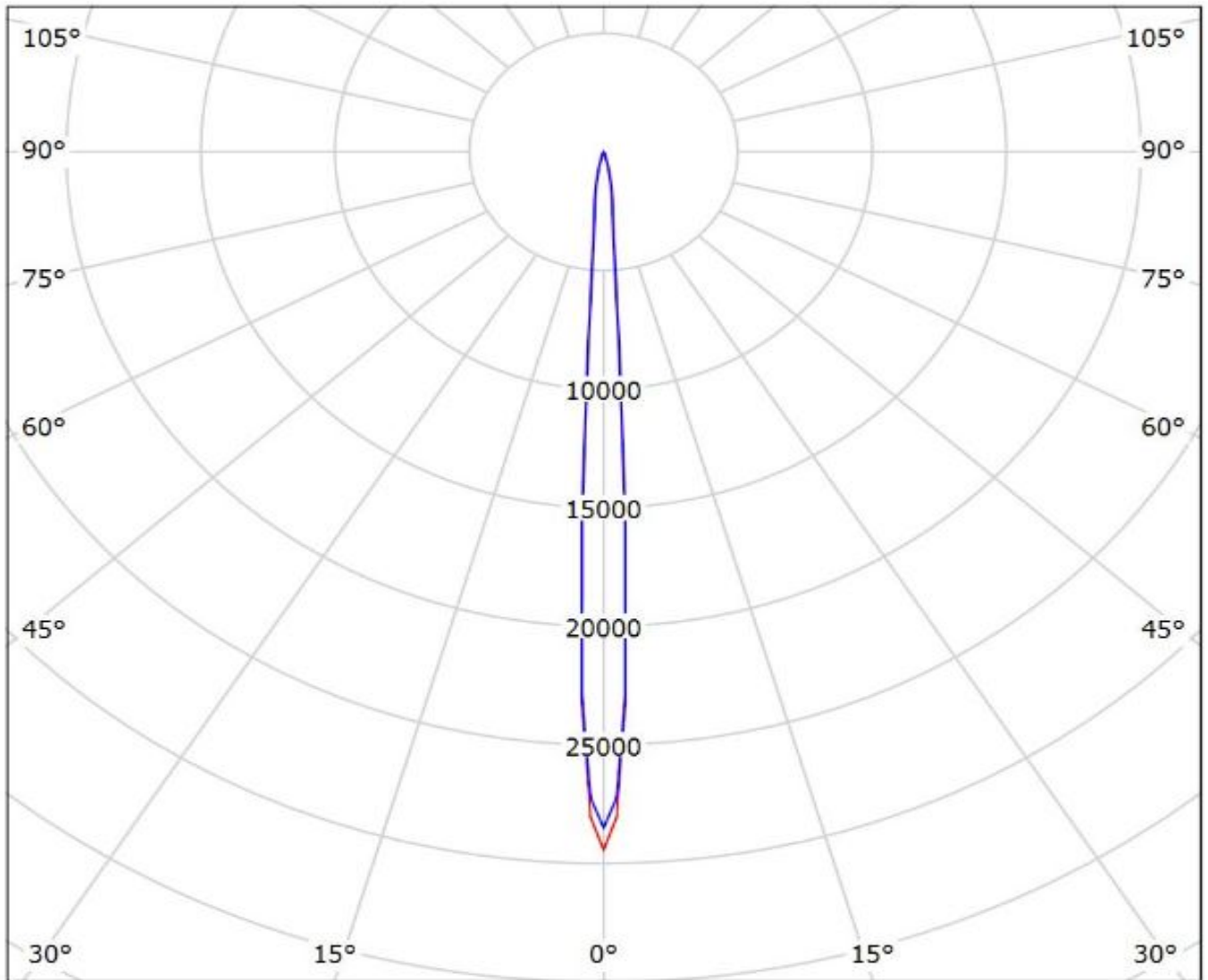
cd/klm

— C0 - C180

— C90 - C270

# Ledil Oy CA11663\_Heidi-RS-OS CA11663\_Heidi-RS-OS / LDC (Polar)

Luminaire: Ledil Oy CA11663\_Heidi-RS-OS CA11663\_Heidi-RS-OS  
Lamps: 1 x Osram Oslon 80 deg white

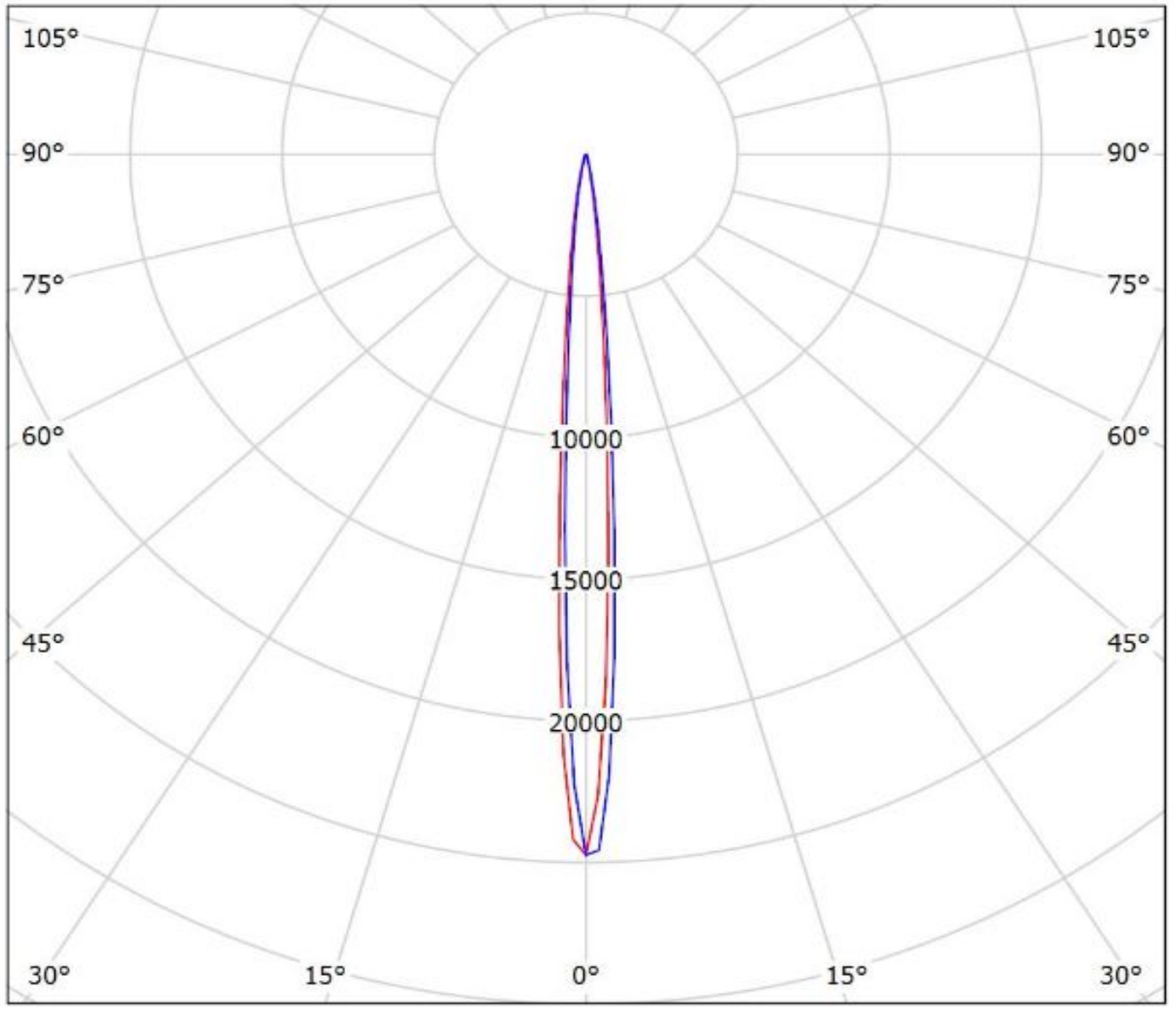


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy <http://ledil.fi/node/2/p/3743> LOR=94%  
Lamps: 1 x Osram OSL150 250mA 109lm



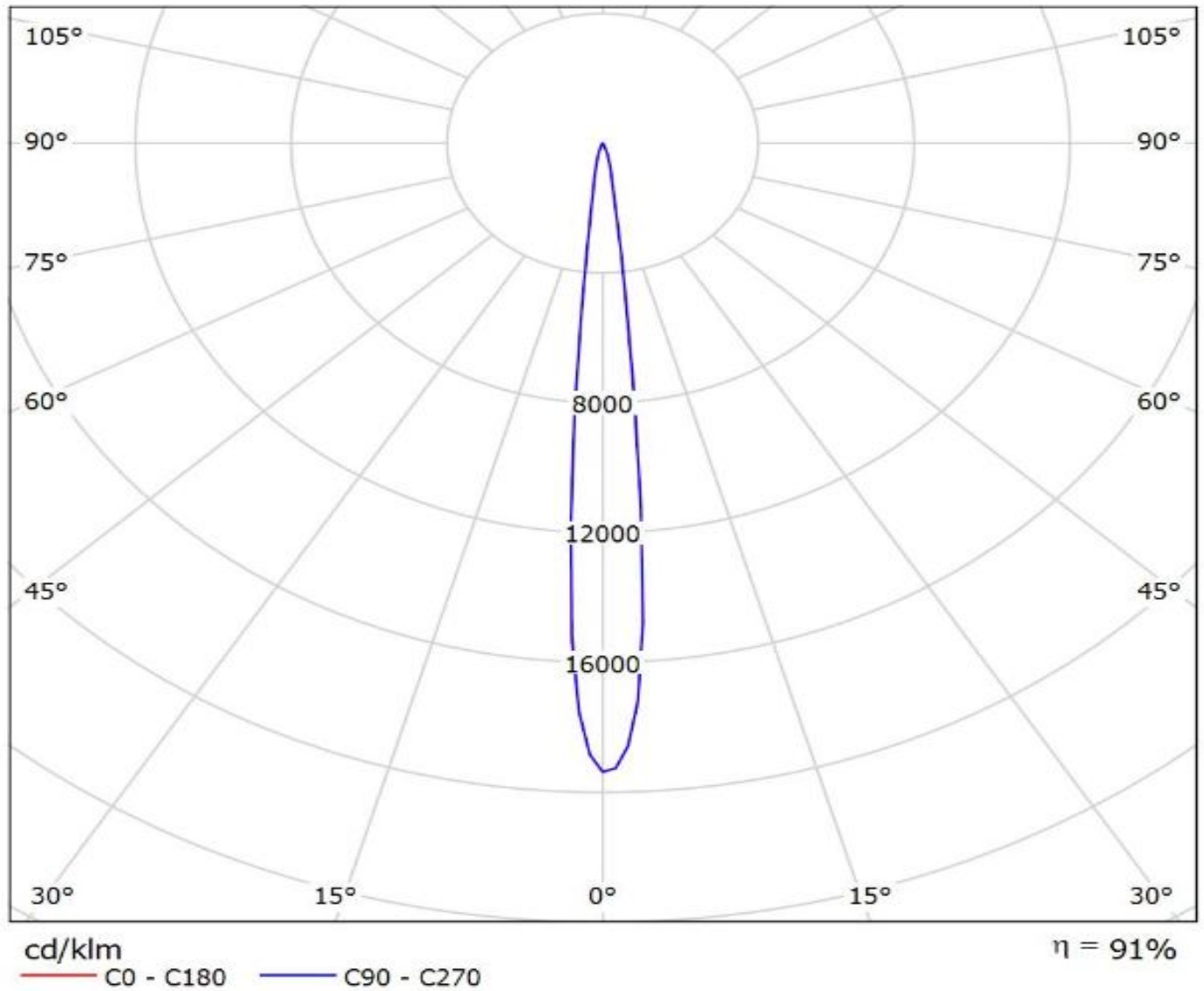
cd/klm

— C0 - C180

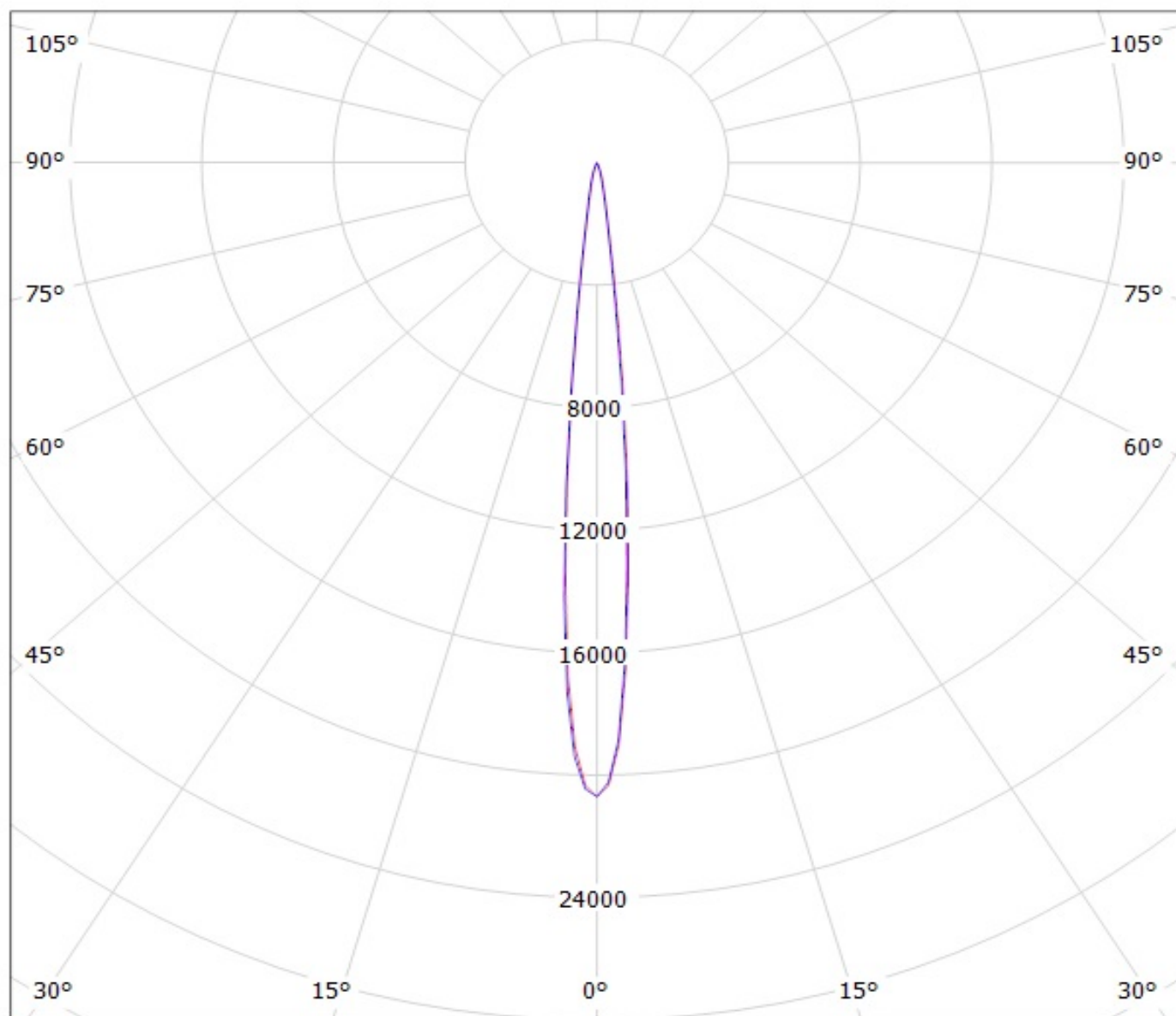
— C90 - C270

# Ledil CA11663\_HEIDI-RS\_(Fortimo\_FastFlex\_LED\_board 2x8/757\_DS\_G3) / LDC (Polar)

Luminaire: Ledil CA11663\_HEIDI-RS\_(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 CA11663\_HEIDI-RS\_(LH351Z) Efficiency=89%  
Lamps: 1 x Samsung LH351Z (90.14lm @ 250mA) CCT=6500K P=0.7W I=250mA



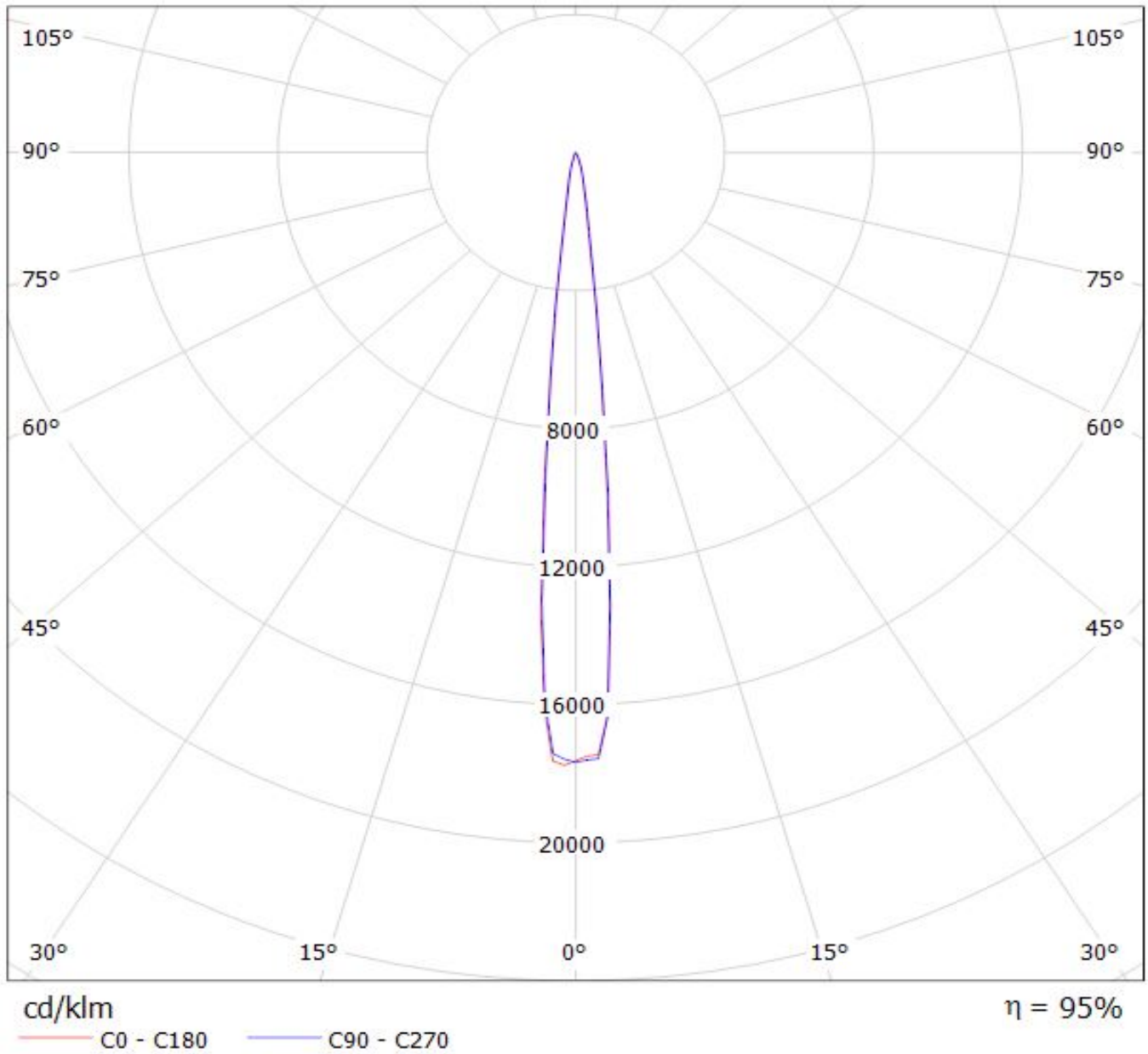
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CA11663\_HEIDI-RS\_(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.**