

**Product number CA11663_HEIDI-RS**

Family	Heidi	FWHM	11 degrees
Type	Assembly	Efficiency	92 %
LED	LUXEON T	cd/lm	16.300
Color	Clear	Gerber File	Available
Diameter	21.6 mm		
Height	11.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "tape"]		
Status	Production ready		

**Product number CA11264_HEIDI-D**

Family	Heidi	FWHM	12 degrees
Type	Assembly	Efficiency	89 %
LED	LUXEON T	cd/lm	11.500
Color	Clear	Gerber File	Available
Diameter	21.6 mm		
Height	11.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "tape"]		
Status	Production ready		

**Product number CA12242_HEIDI-SS**

Family	Heidi	FWHM	15 degrees
Type	Assembly	Efficiency	87 %
LED	LUXEON T	cd/lm	7.300
Color	Clear	Gerber File	Available
Diameter	21.6 mm		
Height	11.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

**Product number CA11265_HEIDI-M**

Family	Heidi	FWHM	28 degrees
Type	Assembly	Efficiency	87 %
LED	LUXEON T	cd/lm	3.300
Color	Clear	Gerber File	Available
Diameter	21.6 mm		
Height	11.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

**Product number CA11268_HEIDI-W**

Family	Heidi	FWHM	31 degrees
Type	Assembly	Efficiency	87 %
LED	LUXEON T	cd/lm	2.800
Color	Clear	Gerber File	Available
Diameter	21.6 mm		
Height	11.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "tape"]		
Status	Production ready		

**Product number CA12079_HEIDI-W2**

Family	Heidi	FWHM	44 degrees
Type	Assembly	Efficiency	83 %
LED	LUXEON T	cd/lm	1.300
Color	Clear	Gerber File	Available
Diameter	21.6 mm		
Height	12 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

**Product number CA11266_HEIDI-O**

Family	Heidi	FWHM	52+12 degrees
Type	Assembly	Efficiency	81 %
LED	LUXEON T	cd/lm	3.200
Color	Clear	Gerber File	Available
Diameter	21.6 mm		
Height	11.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "tape"]		
Status	Production ready		

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.



PRODUCT DATASHEET

Heidi series

last update 8/6/2016

GENERAL INFORMATION

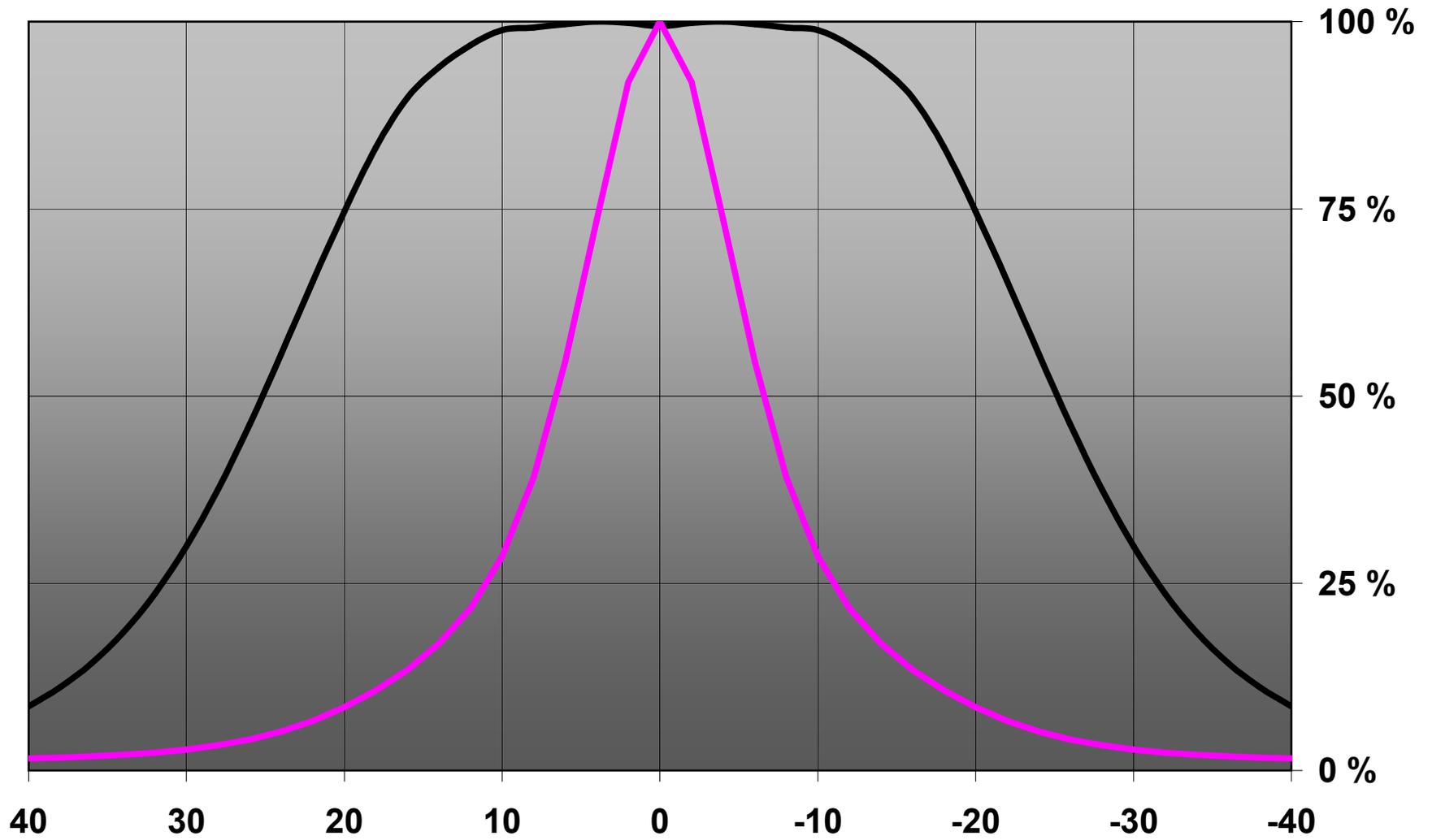
- Product series especially designed & optimized for LUXEON T series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

Relative Intensity of CA11266_Heidi-O-XP-G



D

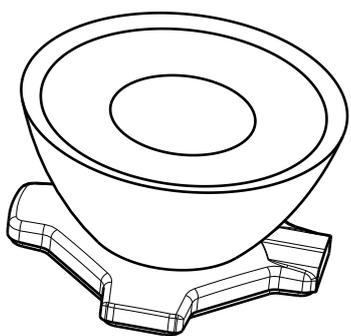
C

B

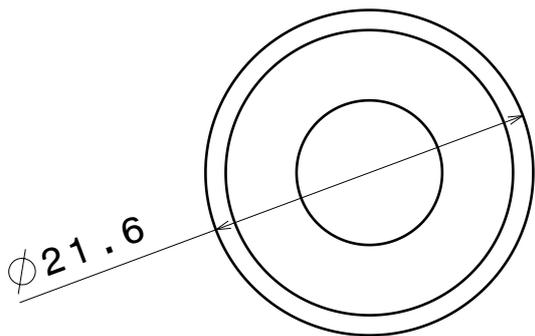
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4

4



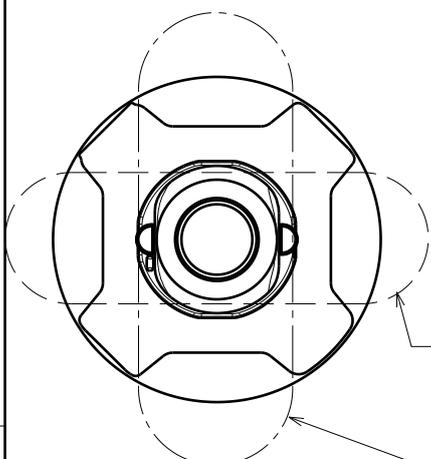
Isometric view



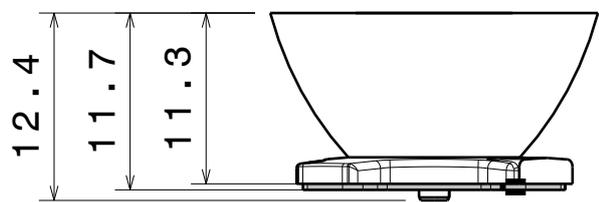
Top view

3

3



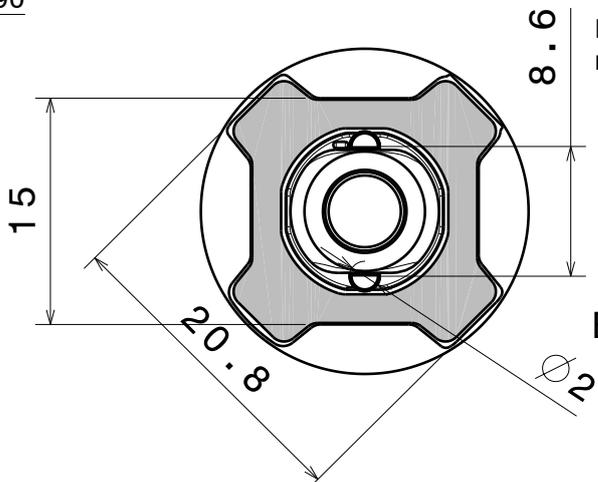
Bottom view
OVAL BEAM direction



Front view

2

2



Bottom view

Material:
Lens PMMA
Tape PU Foam

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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

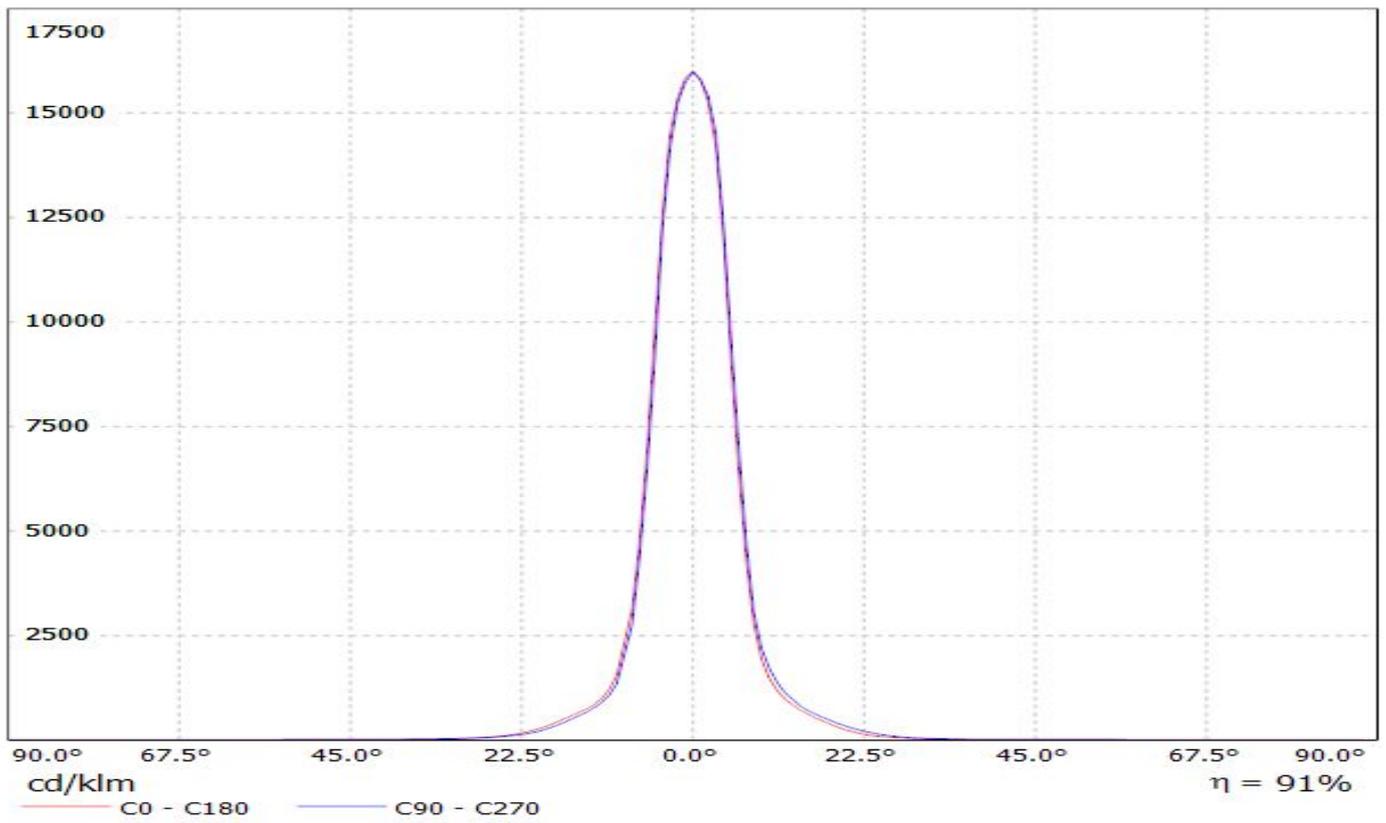
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1

1

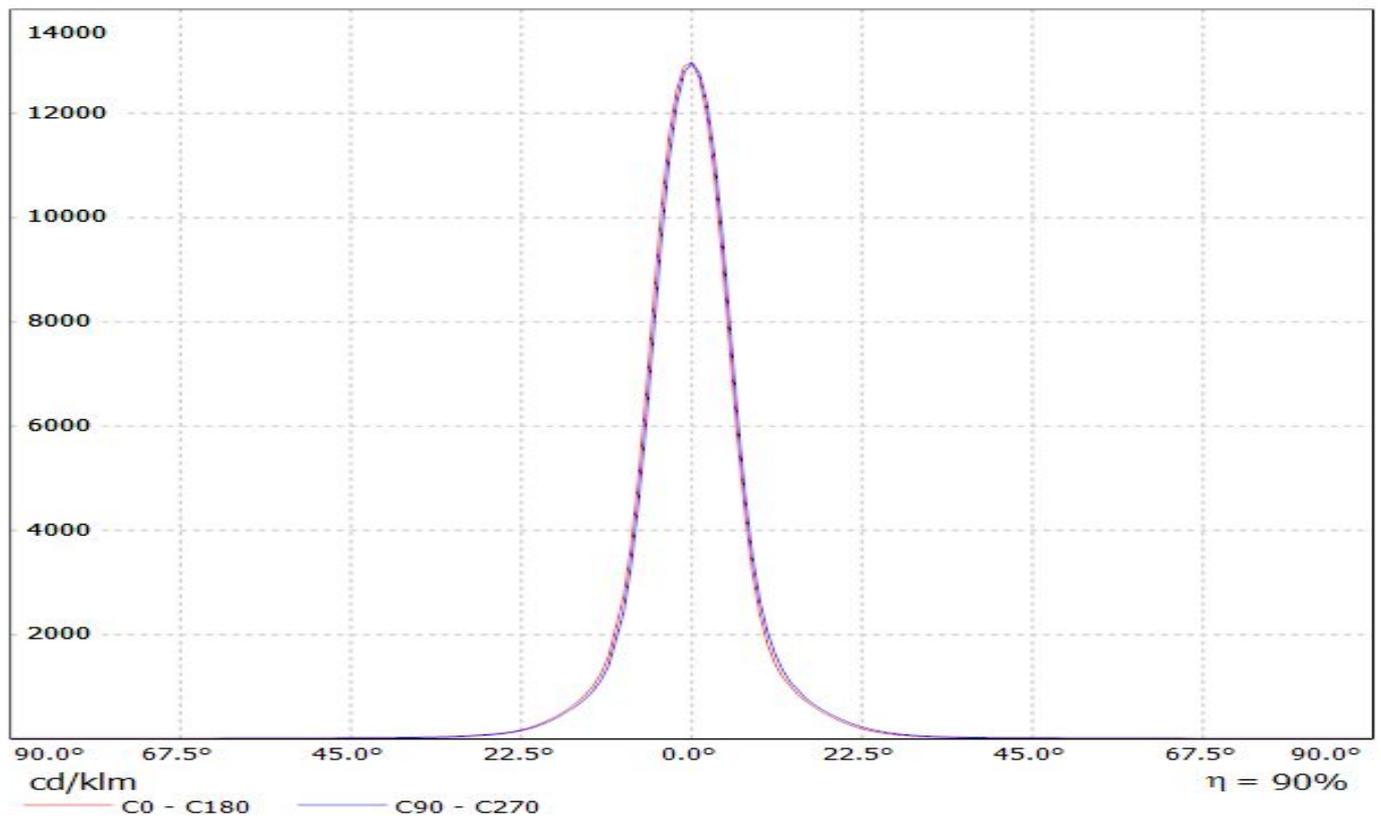
LEDiL Oy CA11663_HEIDI-RS_(LUXEON_T)_1 Eff.91.7% / LDC (Linear)

Luminaire: LEDiL Oy CA11663_HEIDI-RS_(LUXEON_T)_1 Eff.91.7%
Lamps: 1 x LUXEON T (74lm@250mA)



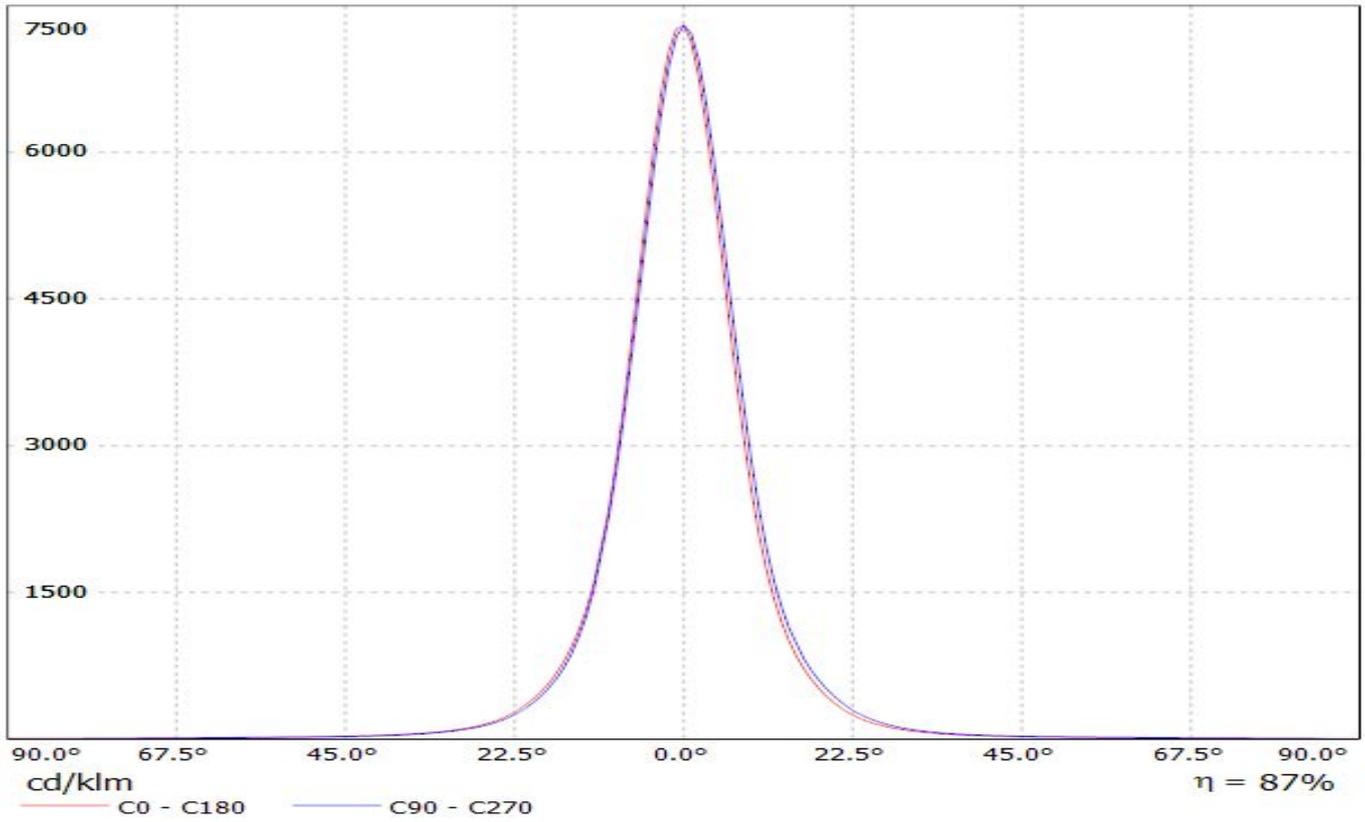
LEDiL Oy CA11264_HEIDI-D_(LUXEON_T)_2 Eff.90.1% / LDC (Linear)

Luminaire: LEDiL Oy CA11264_HEIDI-D_(LUXEON_T)_2 Eff.90.1%
Lamps: 1 x LUXEON T (74lm@250mA)



LEDiL Oy CA12242_HEIDI-SS_(LUXEON_T)_1 Eff.87.0% / LDC (Linear)

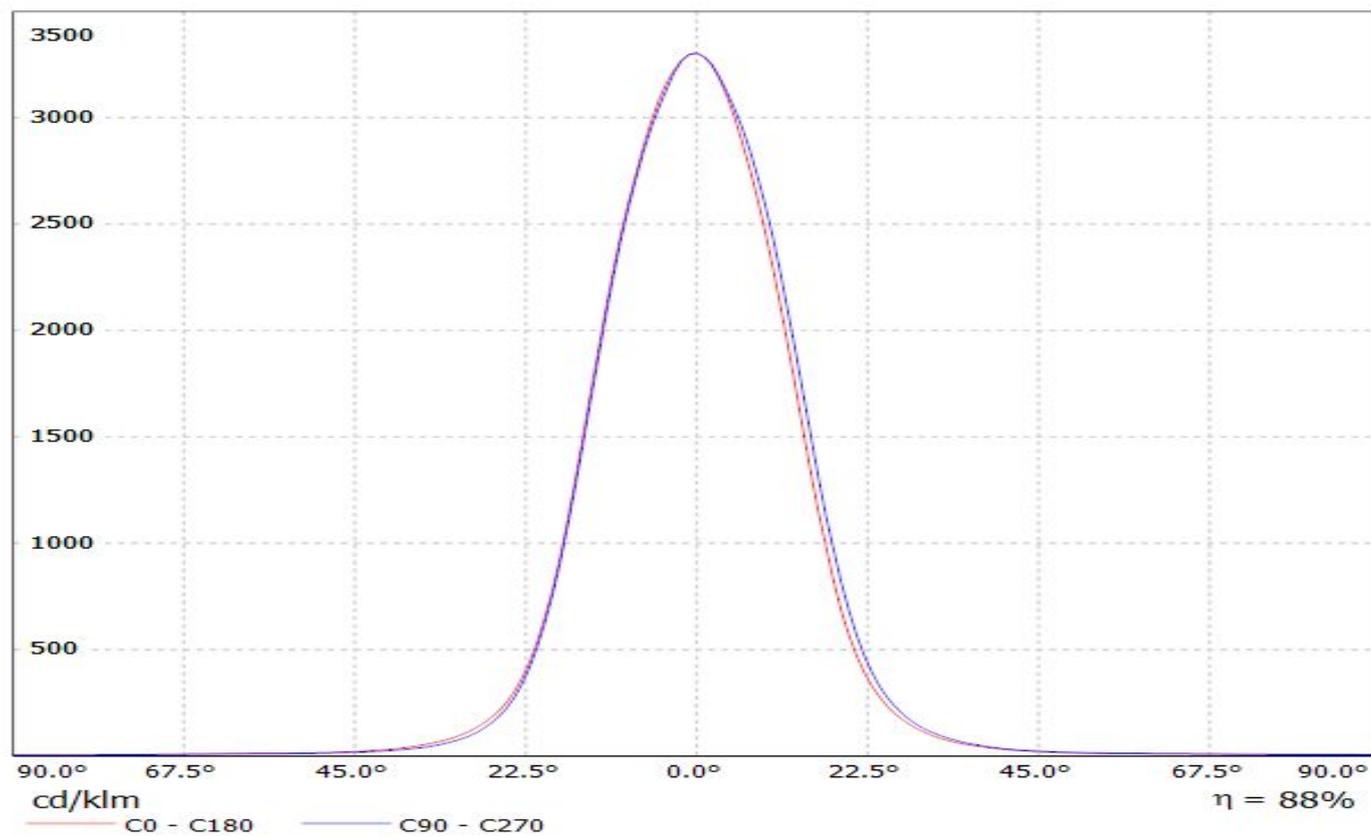
Luminaire: LEDiL Oy CA12242_HEIDI-SS_(LUXEON_T)_1 Eff.87.0%
Lamps: 1 x LUXEON T (74lm@250mA)



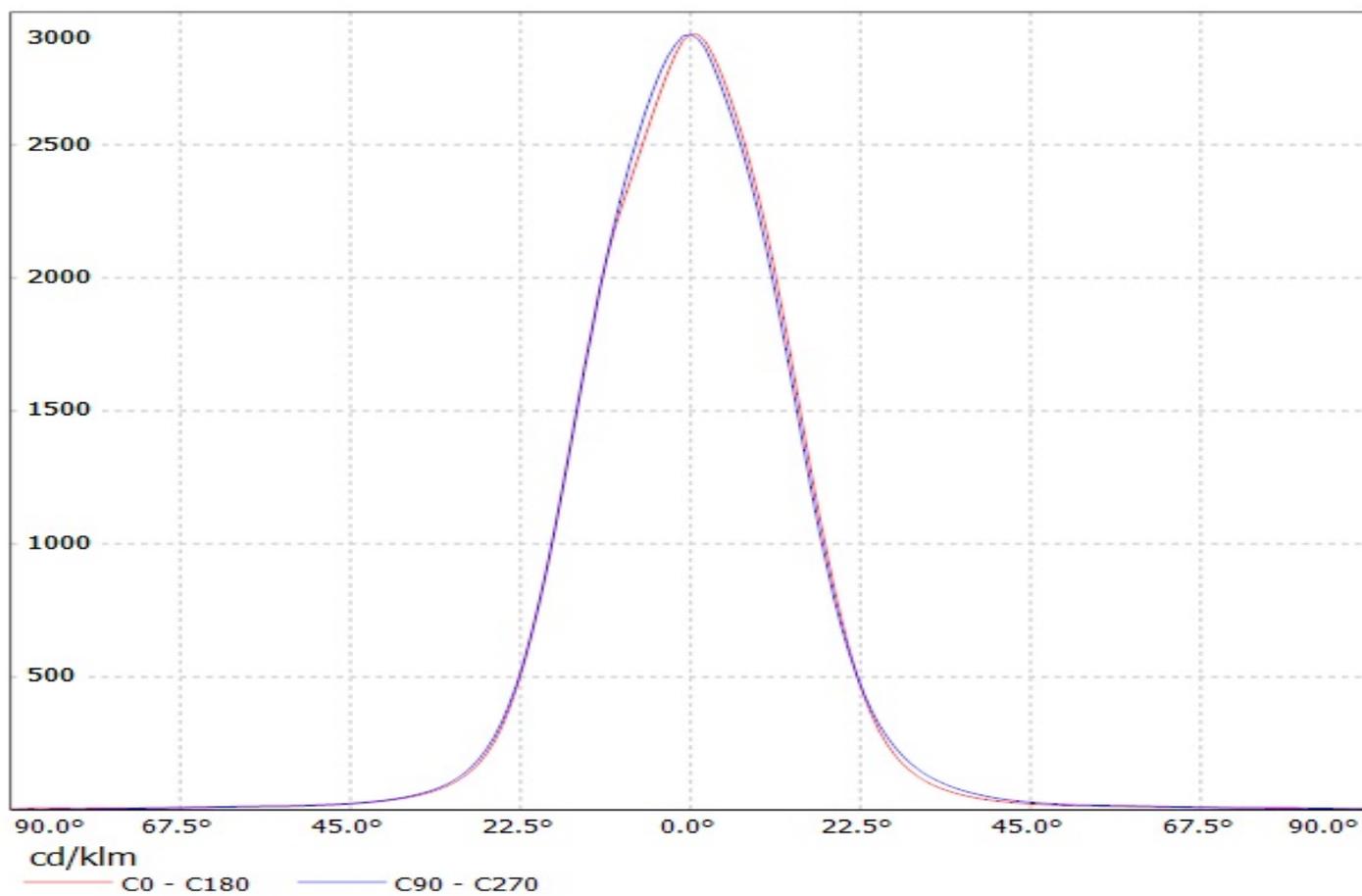
LEDiL Oy CA11265_HEIDI-M_(LUXEON_T)_3 Eff.87.6% / LDC (Linear)

Luminaire: LEDiL Oy CA11265_HEIDI-M_(LUXEON_T)_3 Eff.87.6%

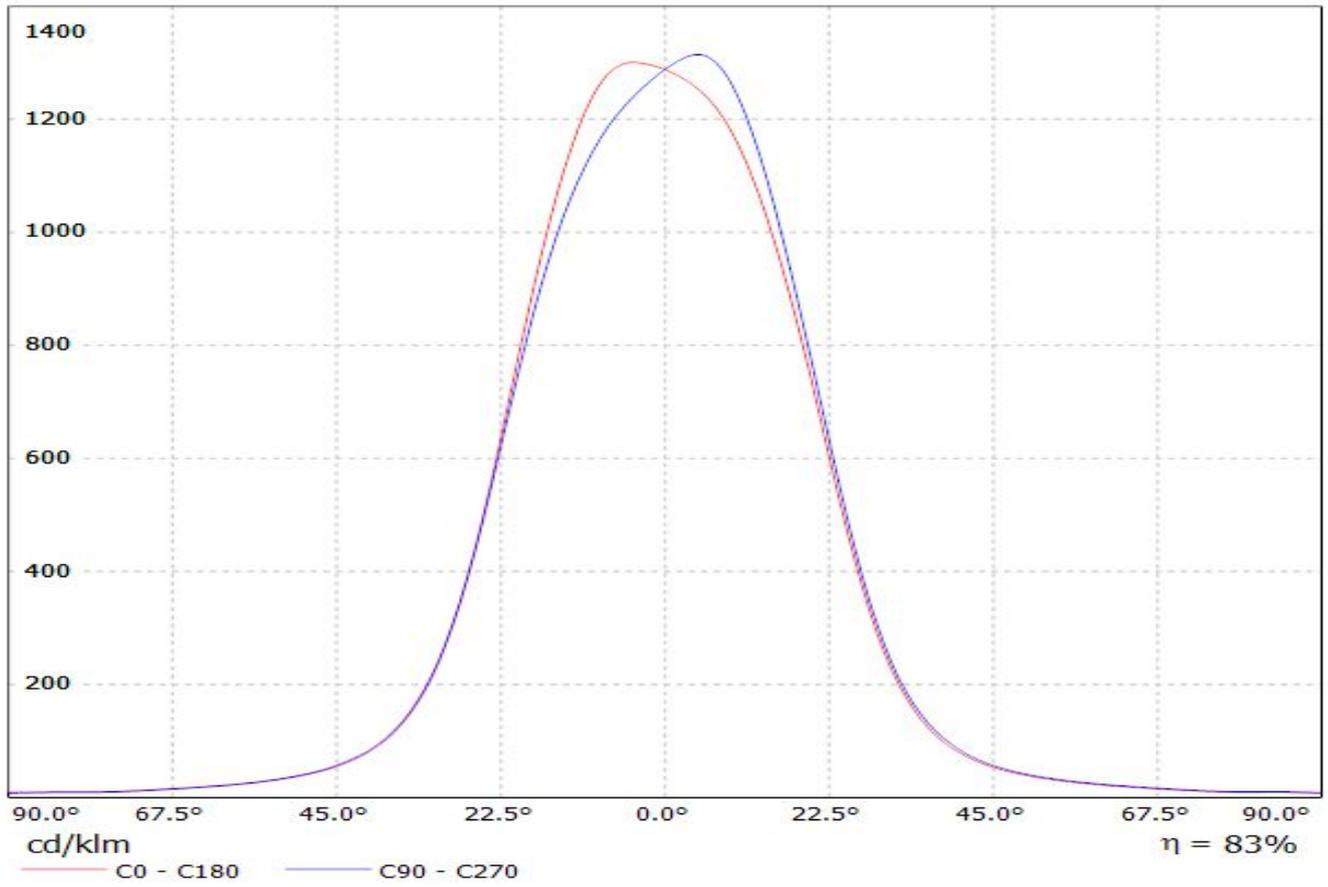
Lamps: 1 x LUXEON T (74lm@250mA)



Luminaire: LEDiL Oy CA11268_HEIDI-W_(LUXEON_T) Eff.86.0%
Lamps: 1 x LUXEON T (74lm@250mA)

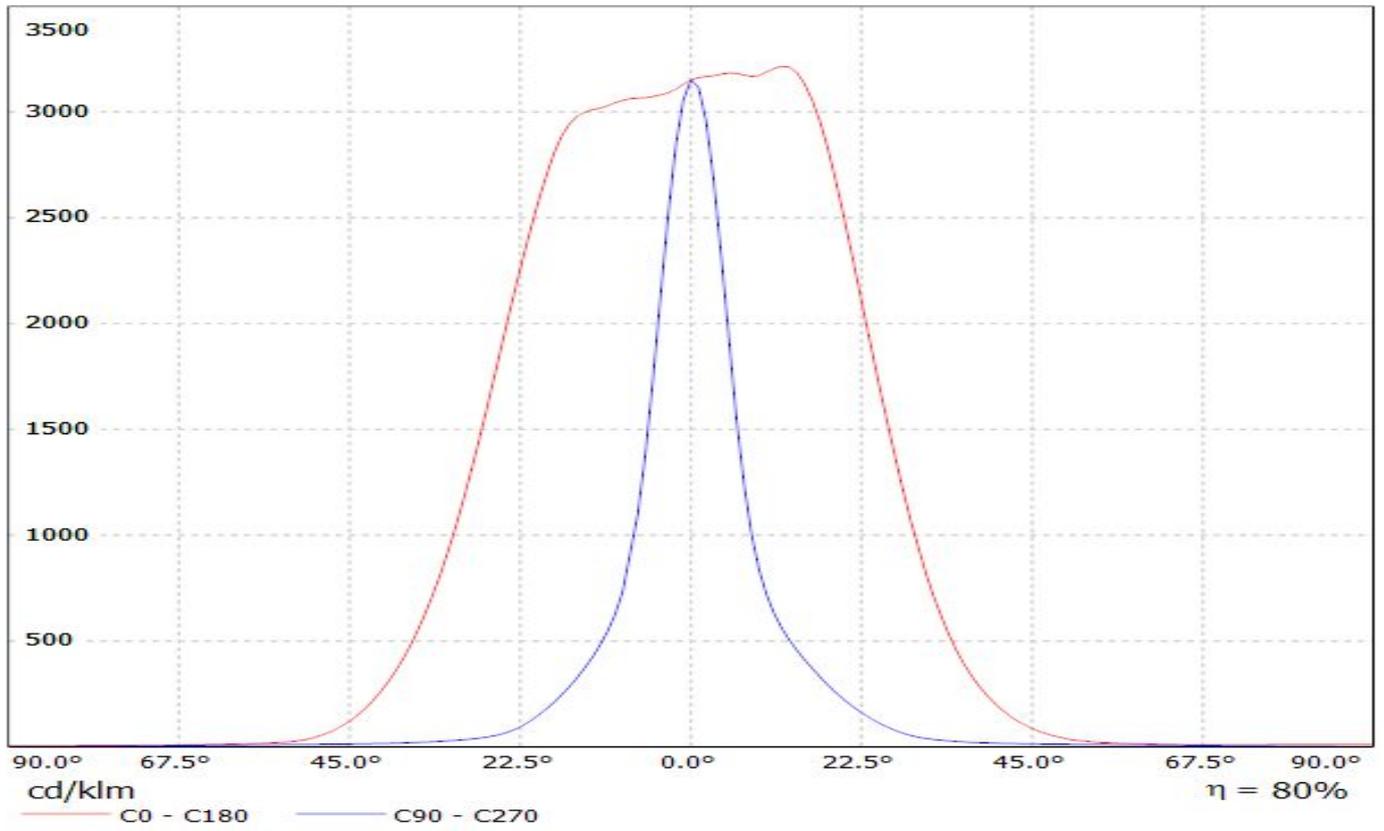


Luminaire: LEDiL Oy CA12079_HEIDI-W2_(LUXEON_T) Eff.83%
Lamps: 1 x LUXEON T (70lm@250mA)



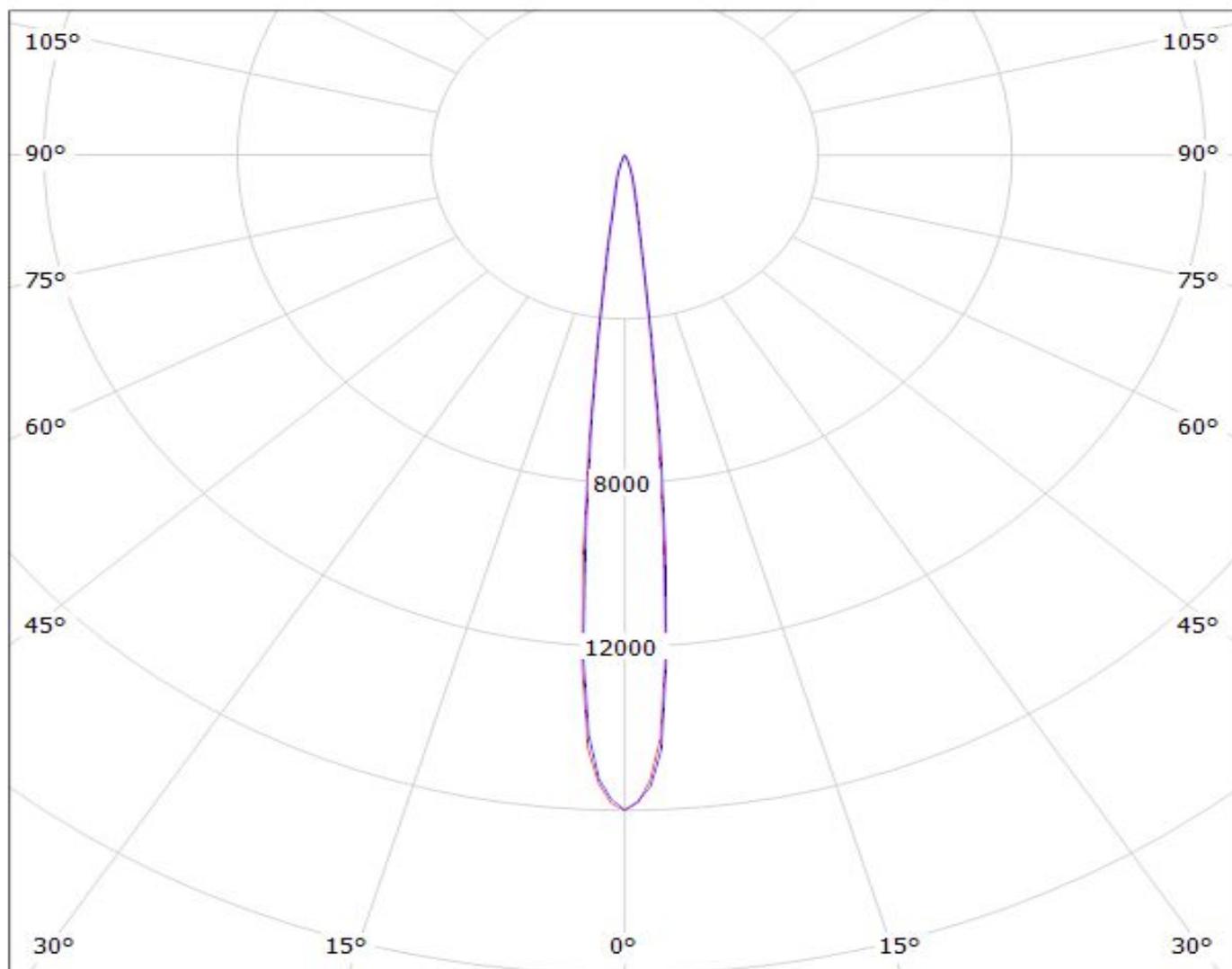
LEDiL Oy CA11266_HEIDI-O_(LUXEON_T)_1 Eff.80.5% / LDC (Linear)

Luminaire: LEDiL Oy CA11266_HEIDI-O_(LUXEON_T)_1 Eff.80.5%
Lamps: 1 x LUXEON T (74lm@250mA)



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

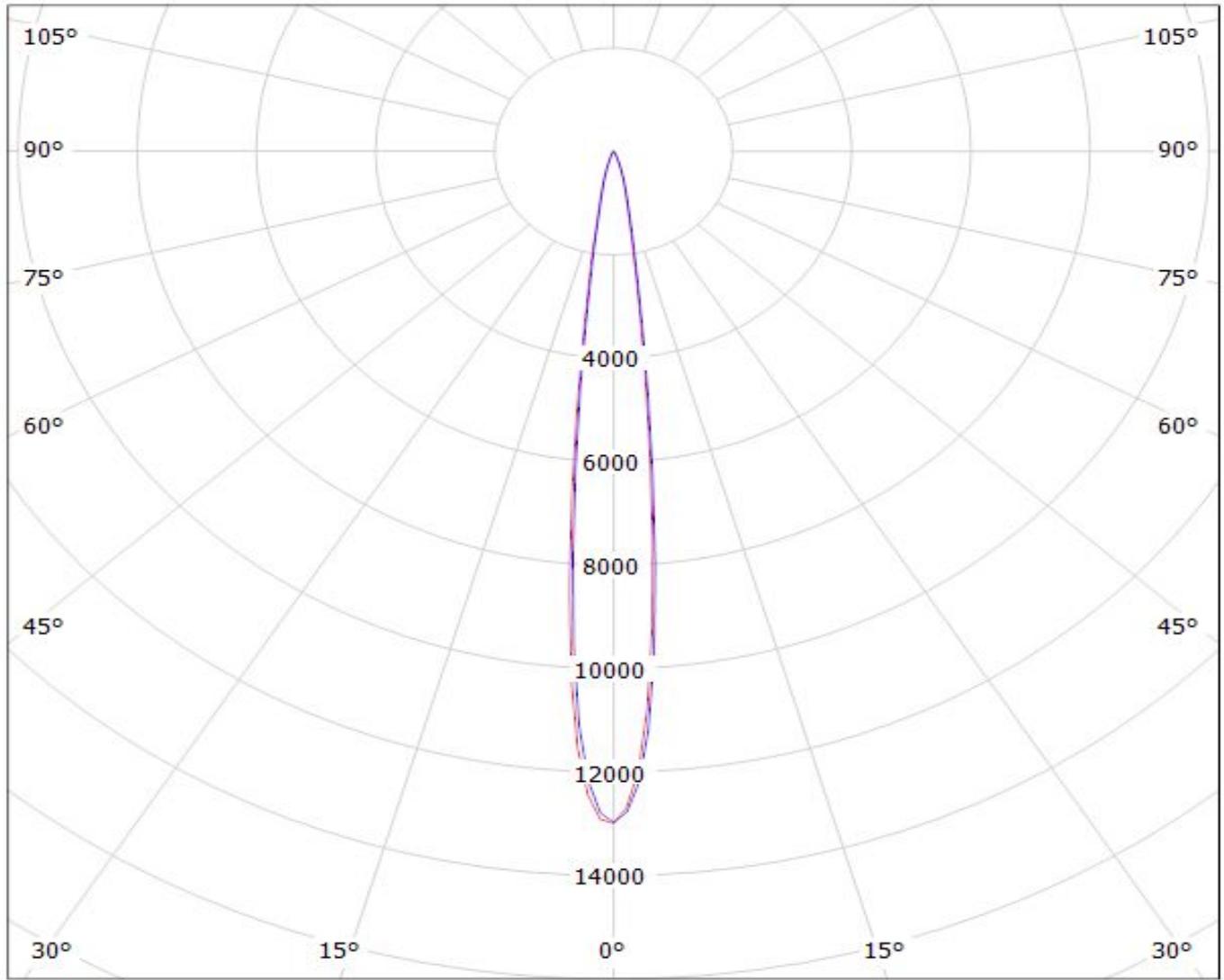
— C90 - C270

$\eta = 91\%$

LEDiL Oy CA11264_HEIDI-D_(LUXEON_T)_2 Eff.90.1% / LDC (Polar)

Luminaire: LEDiL Oy CA11264_HEIDI-D_(LUXEON_T)_2 Eff.90.1%

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



cd/klm

$\eta = 90\%$

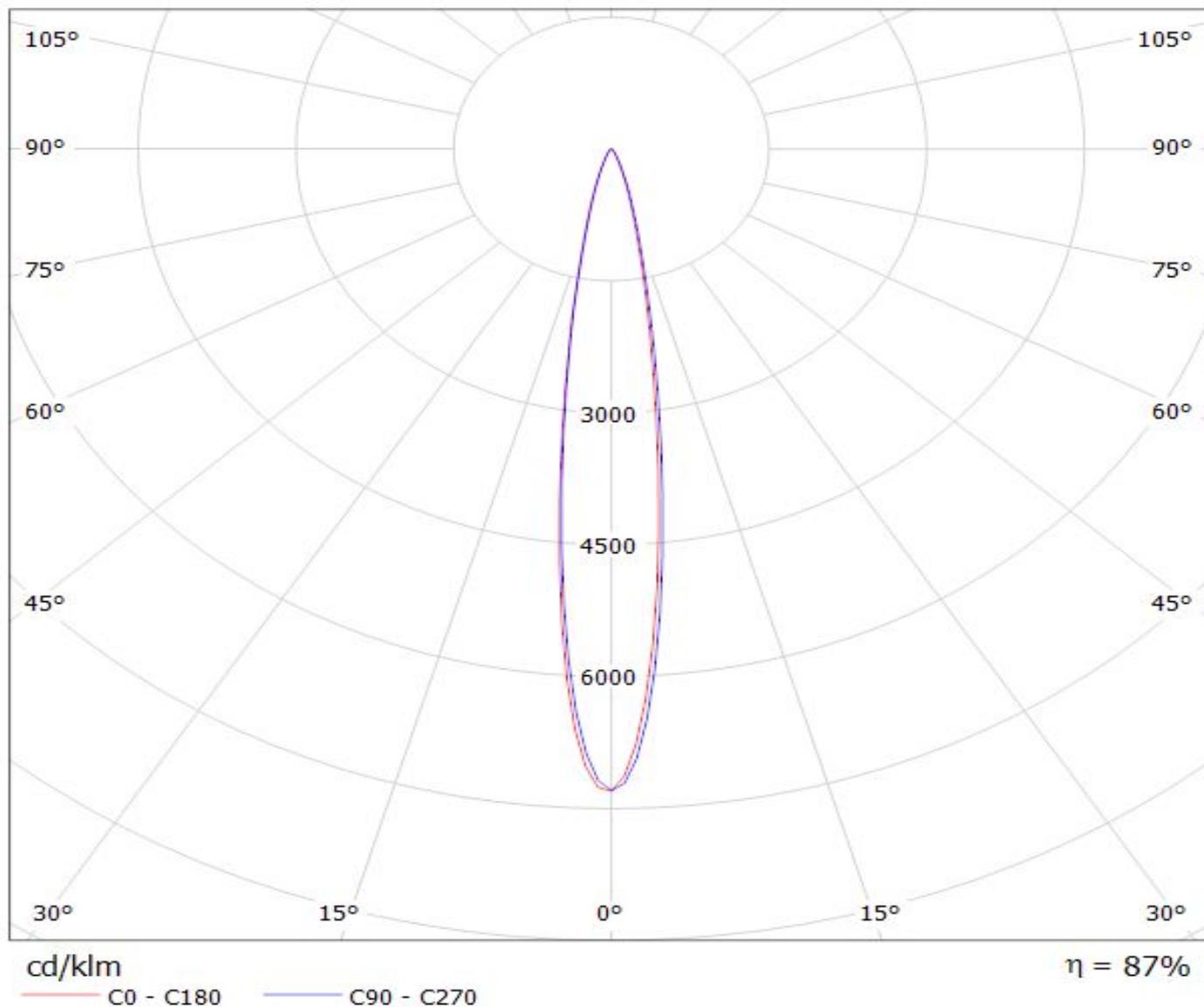
— C0 - C180

— C90 - C270

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%

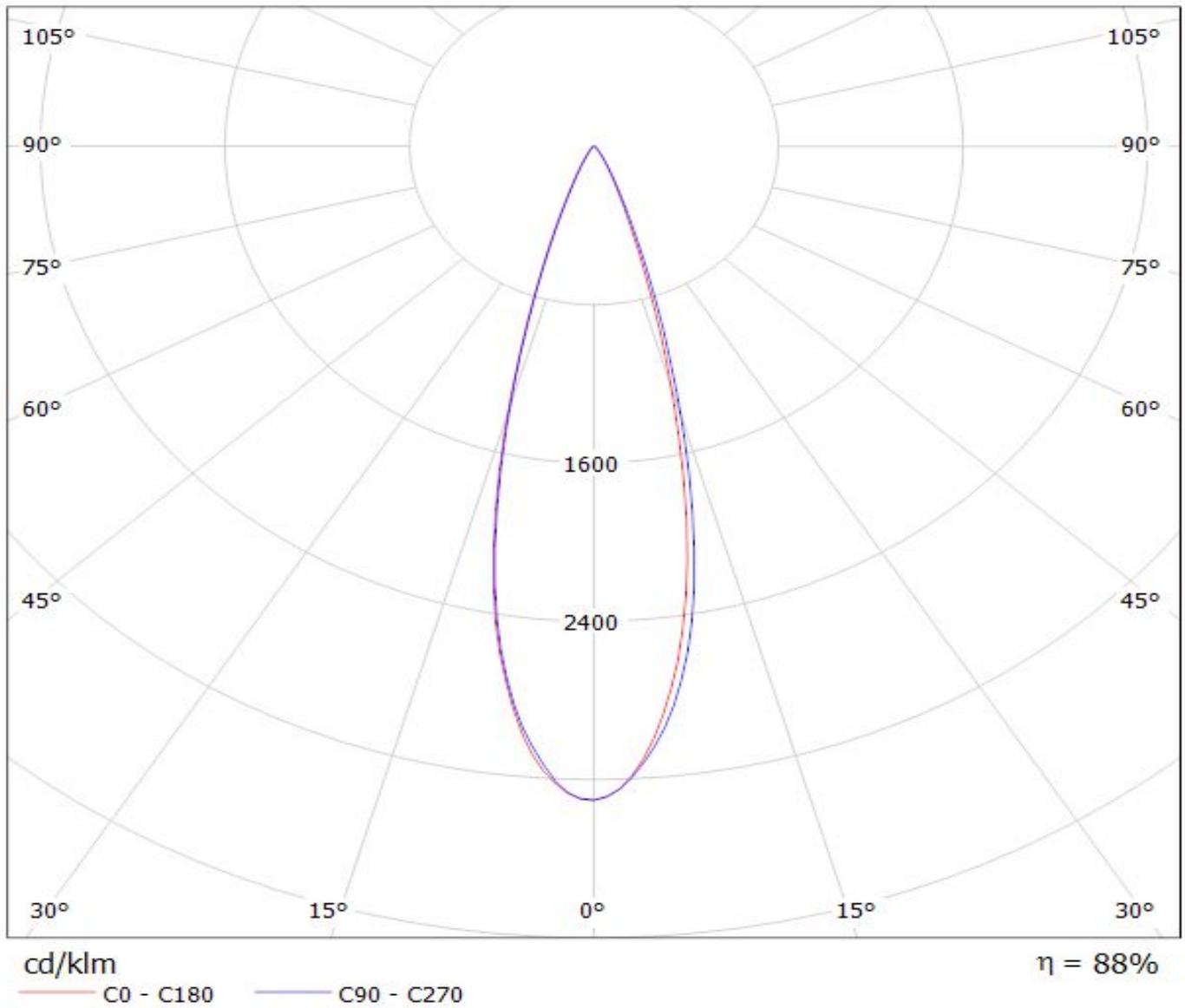
Lamps: 1 x LUXEON T (74lm@250mA)



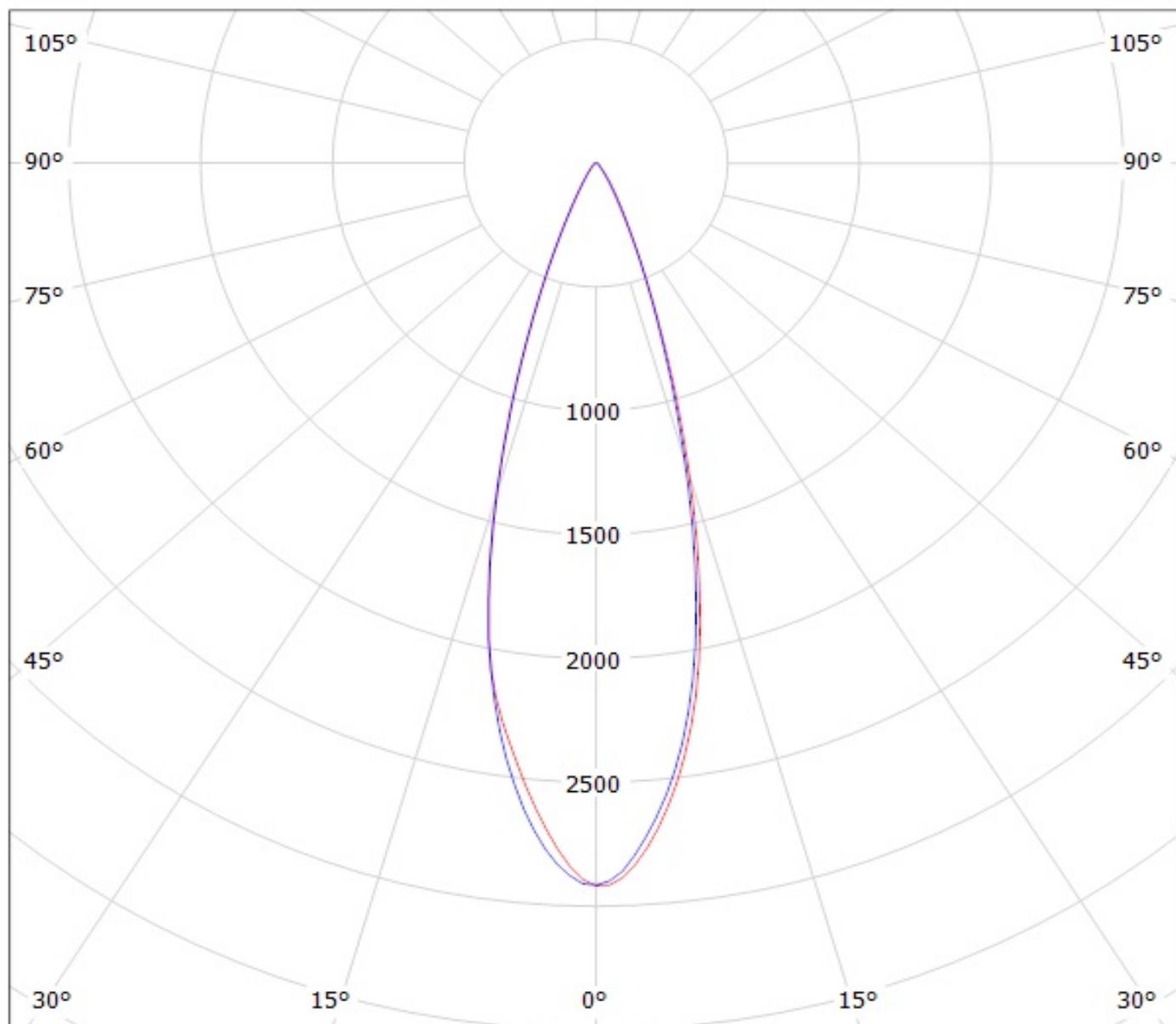
LEDiL Oy CA11265_HEIDI-M_(LUXEON_T)_3 Eff.87.6% / LDC (Polar)

Luminaire: LEDiL Oy CA11265_HEIDI-M_(LUXEON_T)_3 Eff.87.6%

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



Luminaire: LEDiL Oy CA11268_HEIDI-W_(LUXEON_T) Eff.86.0%
Lamps: 1 x LUXEON T (74lm@250mA)

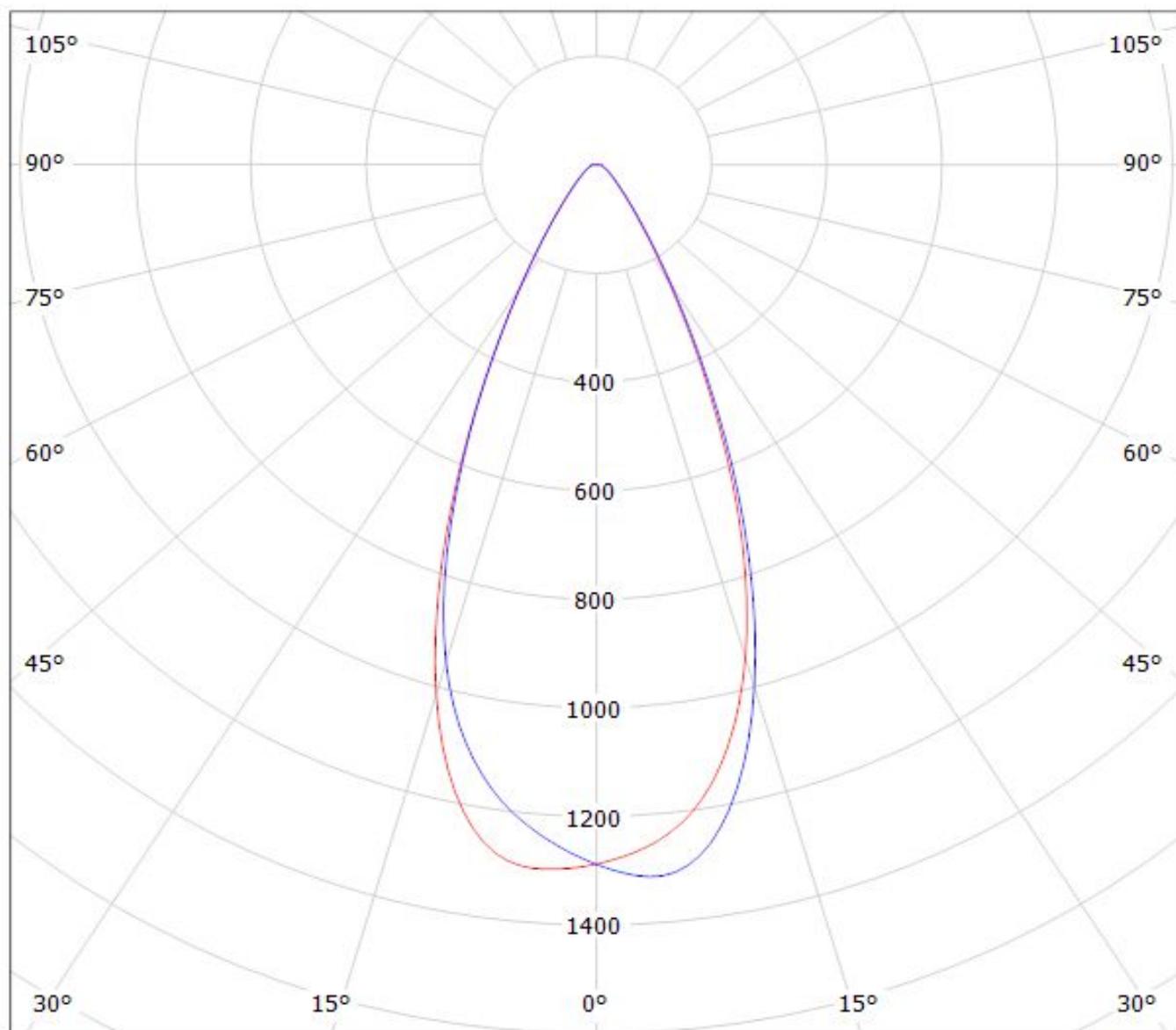


cd/klm

— C0 - C180

— C90 - C270

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



$\eta = 83\%$

cd/klm

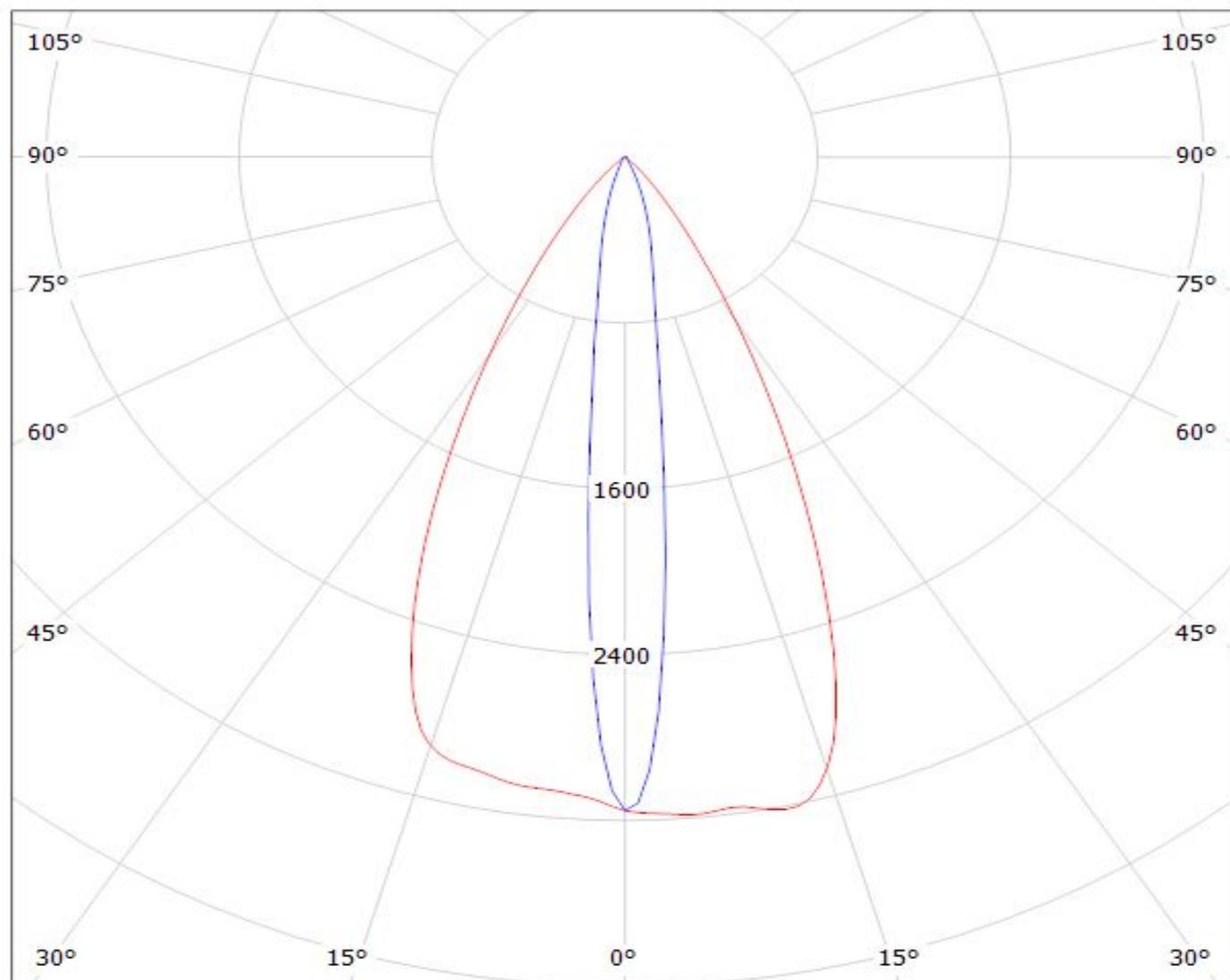
— C0 - C180

— C90 - C270

LEDiL Oy CA11266_HEIDI-O_(LUXEON_T)_1 Eff.80.5% / LDC (Polar)

Luminaire: LEDiL Oy CA11266_HEIDI-O_(LUXEON_T)_1 Eff.80.5%

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



cd/klm

— C0 - C180

— C90 - C270

$\eta = 80\%$