

Ordering number FP11055_LISA2-RS-PIN

Family	Lisa2	FWHM	16 degrees
Type	Assembly	Efficiency	90 %
LED	XP-E	cd/Im	-
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, glue		
Status	Ready		

Ordering number FP11125_LISA2-O-PIN

Family	Lisa2	FWHM	18+48 degrees
Type	Assembly	Efficiency	83 %
LED	XP-E	cd/Im	2.300
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, glue		
Status	Ready		

Ordering number FP10995_LISA2-M-PIN

Family	Lisa2	FWHM	24 degrees
Type	Assembly	Efficiency	92 %
LED	XP-E	cd/Im	-
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, glue		
Status	Ready		

Ordering number FP10996_LISA2-W-PIN

Family	Lisa2	FWHM	37 degrees
Type	Assembly	Efficiency	90 %
LED	XP-E	cd/Im	1.960
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, glue		
Status	Ready		

**Ordering number FP10997_LISA2-WW-PIN**

Family	Lisa2	FWHM	42 degrees
Type	Assembly	Efficiency	91 %
LED	XP-E	cd/Im	1.000
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, glue		
Status	Ready		

Ordering number FP11851_LISA2-O-90-PIN

Family	Lisa2	FWHM	48+18 degrees
Type	Assembly	Efficiency	83 %
LED	XP-E	cd/Im	-
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	6.8 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, glue		
Status	Ready		

Ordering number FP11429_LISA2-WWW-PIN

Family	Lisa2	FWHM	84 degrees
Type	Assembly	Efficiency	77 %
LED	XP-E	cd/Im	0.500
Color	Black	Gerber File	Available
Diameter	9.9 mm		
Height	7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, glue		
Status	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

Lisa2 series

last update 25/10/2012

GENERAL INFORMATION

- Product series especially designed & optimized for XP-E 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.

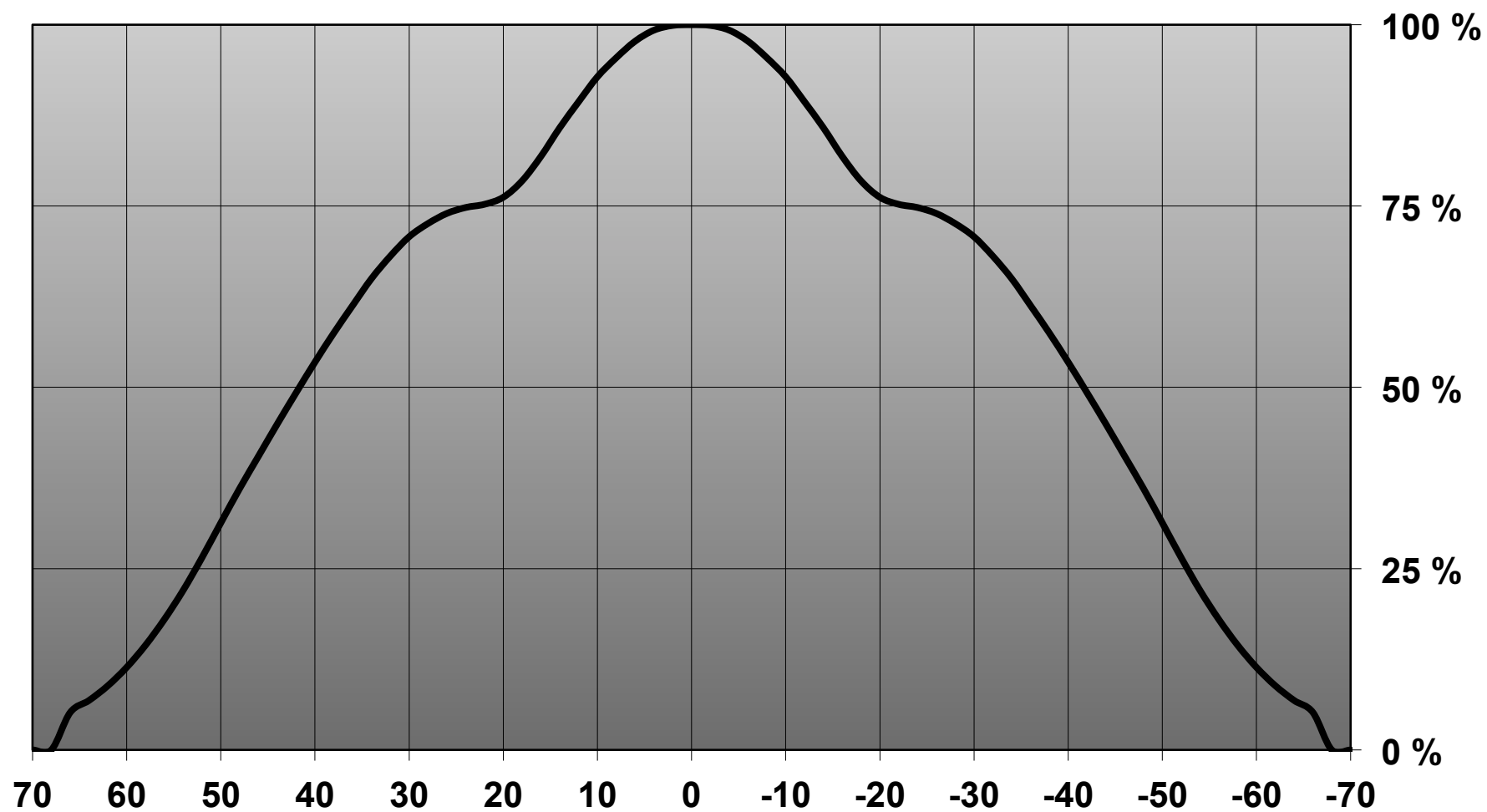
Please find more information about used material from below:

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>

- Optic holder molded by high quality PC material (120 degrees of Celcius / 248 degrees of Fahrenheit).

**Relative intensity of FP11431_LISA2-WWW-CLIP &
FP11429_LISA2-WWW-PIN**



D

C

B

A

lens

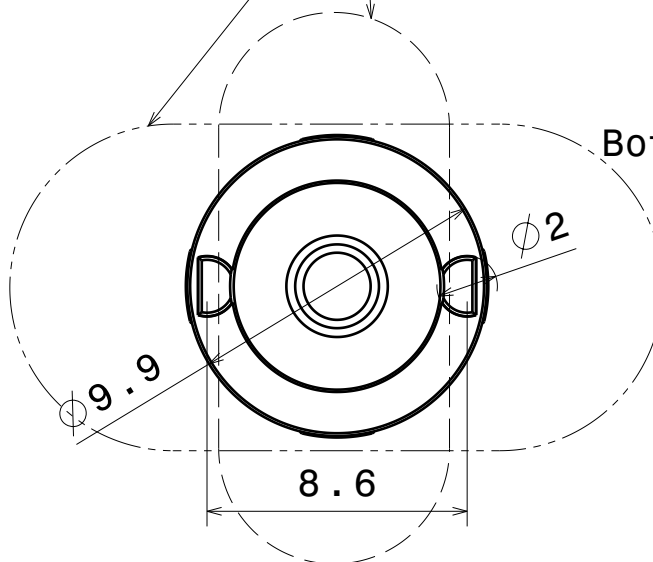
holder



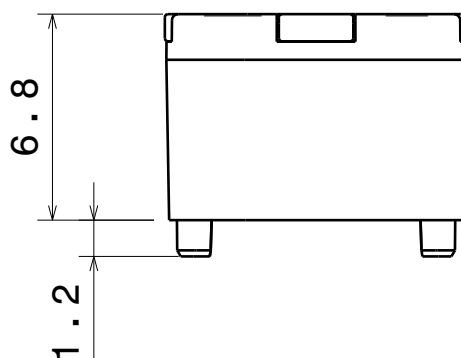
Isometric view
Scale: 2:1

Lisa2-0-90 beam direction

Lisa2-0 beam direction



Bottom view



Front view

Materials:
Lens PMMA
Holder PC

Part no.s:
FA10995_Lisa2-M-Pin-XP
FA10996_Lisa2-W-Pin-XP
FA11055_Lisa2-RS-Pin-XP
FA11125_Lisa2-0-Pin-XP
FA11851_Lisa2-0-90-Pin-XP

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DRAWING TITLE

Datasheet Lisa2-Pin-XP Series Assy

DRAWN BY

DATE

02.11.2010

CHECKED BY

DATE

02.11.2010

DESIGNED BY

DATE

19.10.2009

SIZE

A4

DRAWING NUMBER

REV

1

SCALE

4:1

WEIGHT (g)

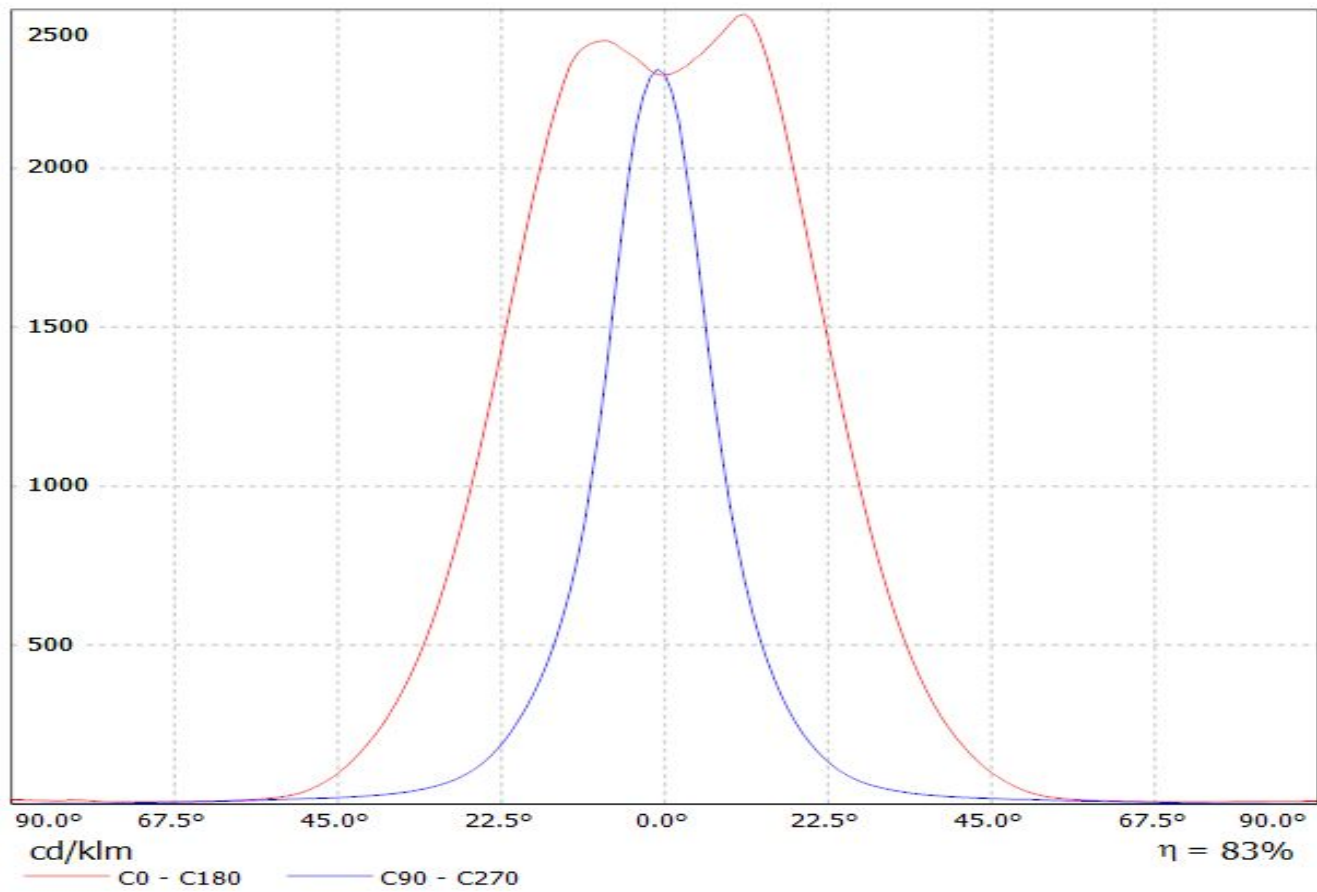
SHEET

1 / 1

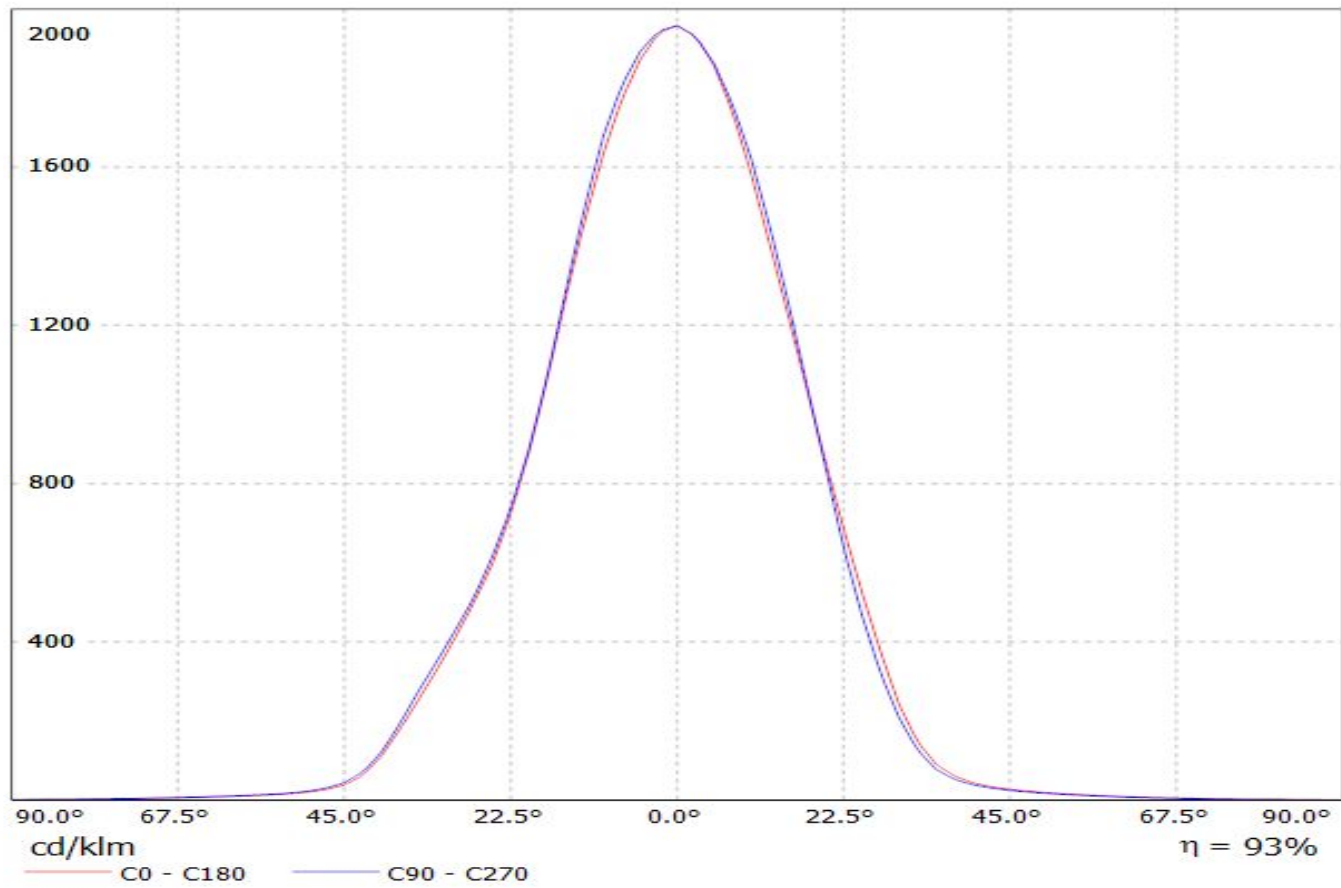
D

A

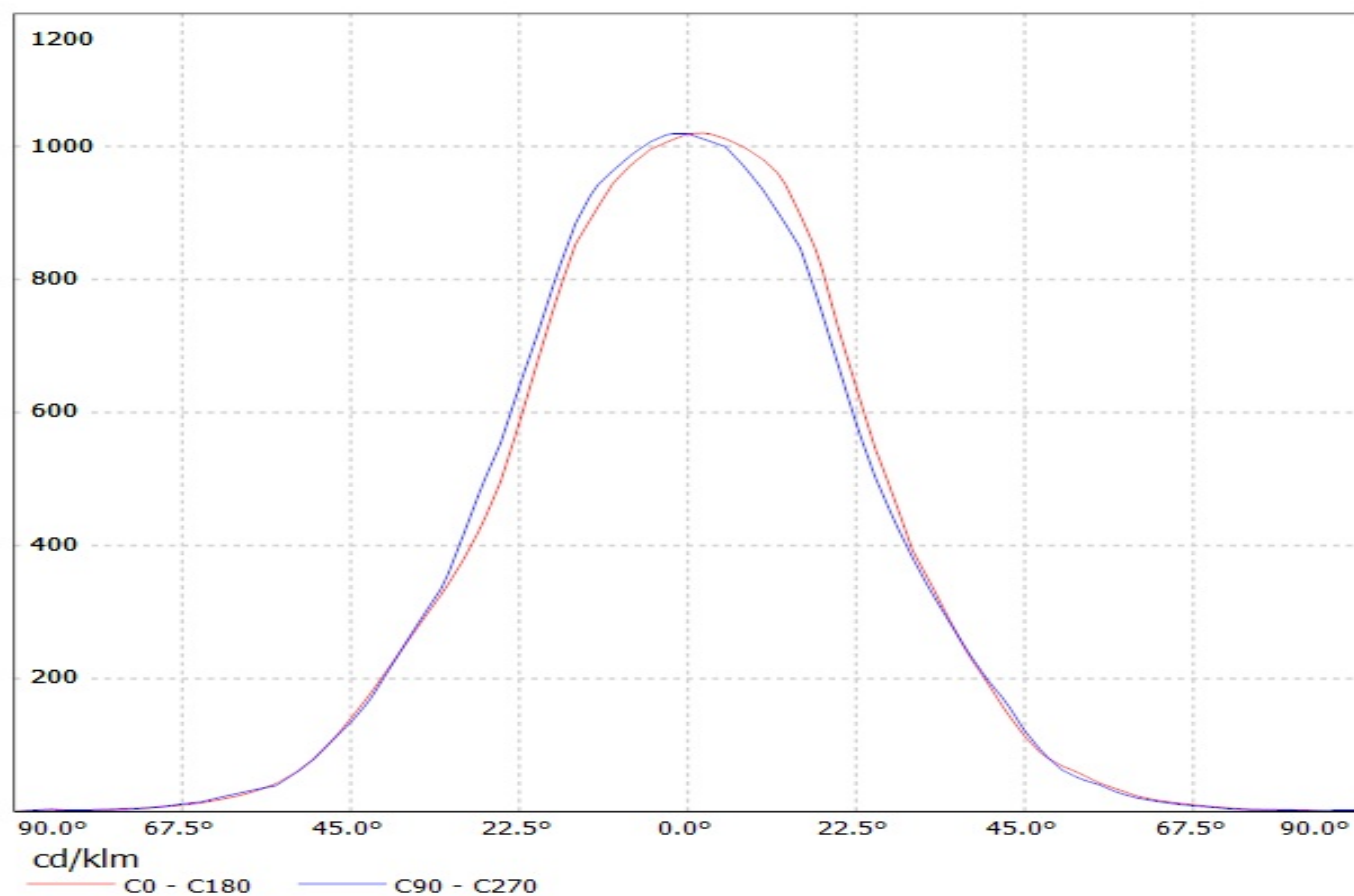
Luminaire: LEDiL Oy FP11125&_FP11121_LISA2-O_(XP-E) Eff.83.3%
Lamps: 1 x CREE XP-E (70.0622lm@250mA)



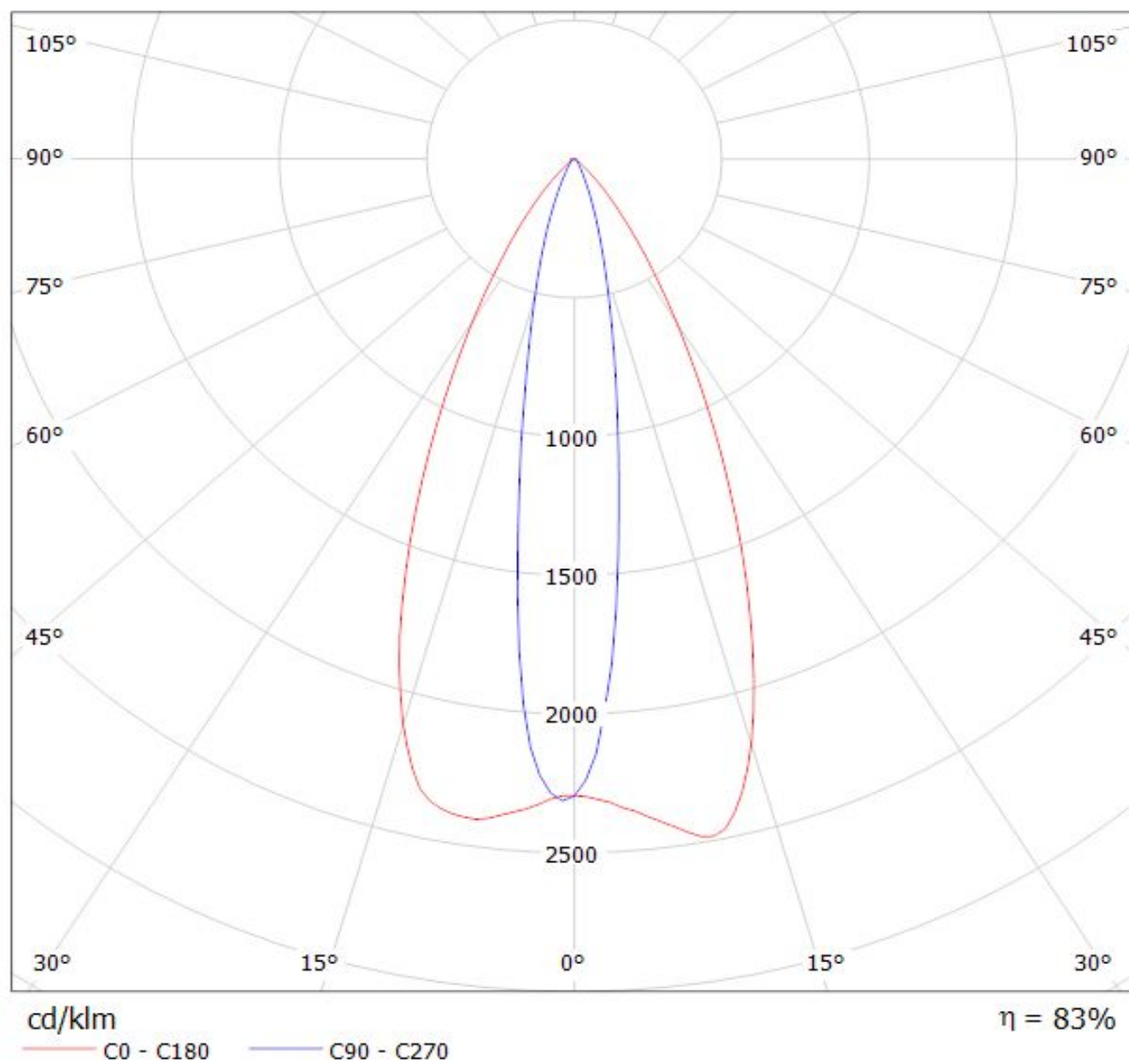
Luminaire: LEDiL Oy FP10996&FP11076_LISA2-W_(XP-E) Eff.93.1%
Lamps: 1 x Cree XP-E (69.4929lm@250mA)



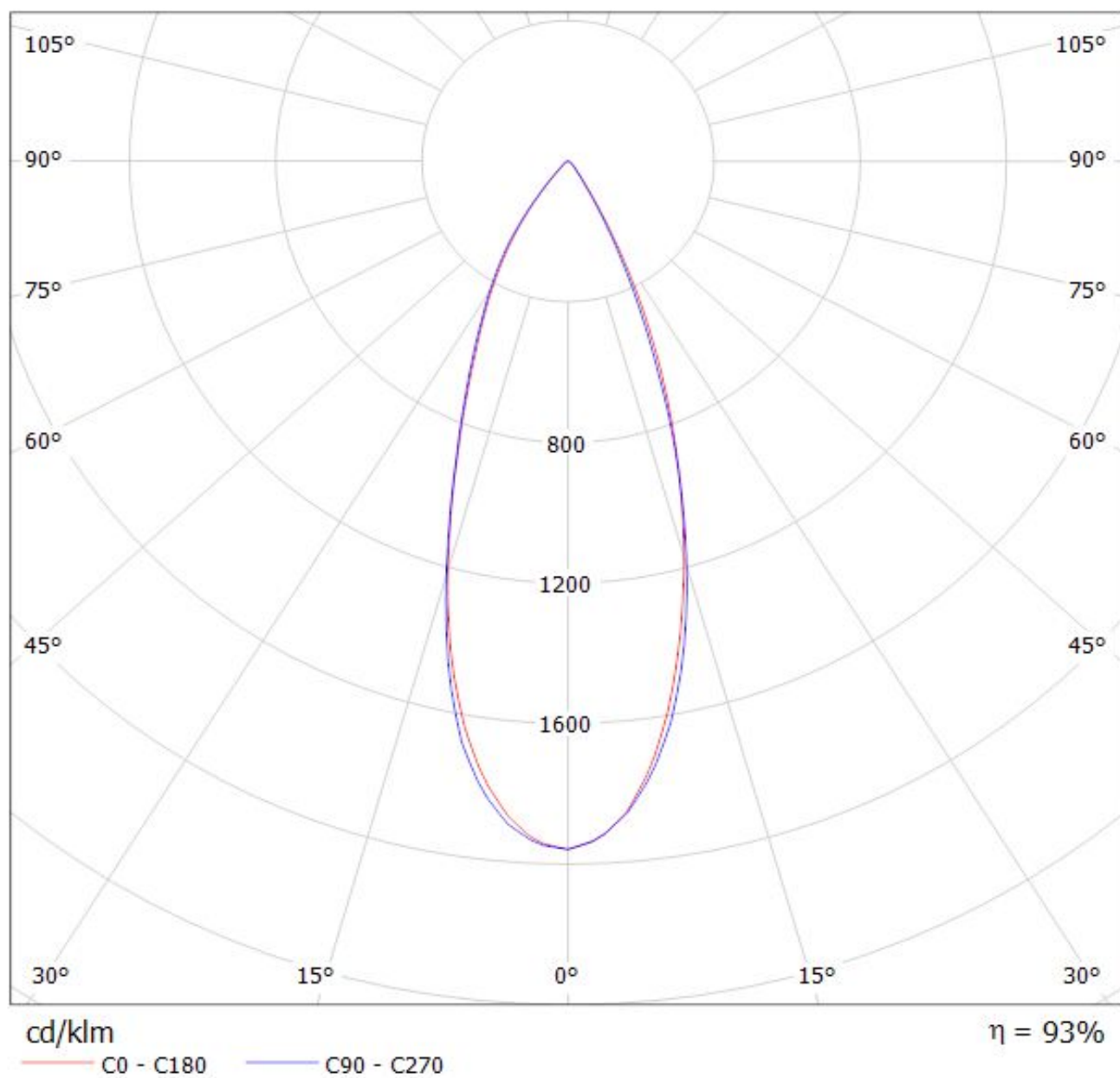
Luminaire: Ledil Oy FP10997_LISA2-WW-PIN (Cree XP-E 73lm @ 250mA) Efficiency=91%
Lamps: 1 x Cree XP-E 73lm @ 250mA



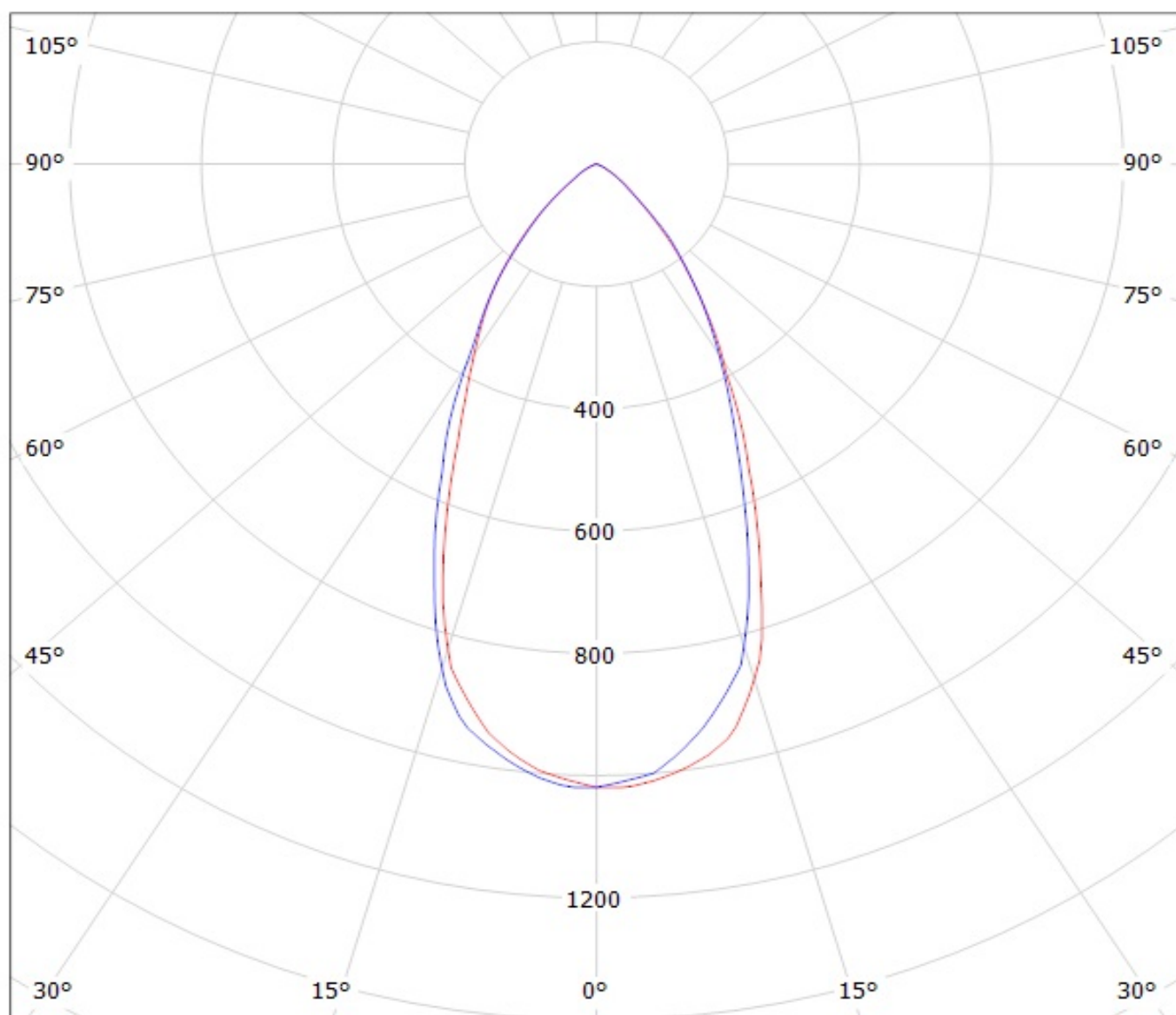
Luminaire: LEDiL Oy FP11125&_FP11121_LISA2-O_(XP-E) Eff.83.3%
Lamps: 1 x CREE XP-E (70.0622lm@250mA)



Luminaire: LEDiL Oy FP10996&FP11076_LISA2-W_(XP-E) Eff.93.1%
Lamps: 1 x Cree XP-E (69.4929lm@250mA)



Luminaire: Ledil Oy FP10997_LISA2-WW-PIN (Cree XP-E 73lm @ 250mA) Efficiency=91%
Lamps: 1 x Cree XP-E 73lm @ 250mA



cd/klm

— C0 - C180

— C90 - C270