PRODUCT DATASHEET
Emily series
last update 9/6/2016

Product number   **CA11998_EMILY-SS-WAS**

Family	Emily	FWHM	Asymmetric degrees
Type	Assembly	Efficiency	94 %
LED	XM-L	cd/lm	9.800
Color	Clear	Gerber File	Available
Diameter	26 mm		
Height	14.83 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

Product number   **CA12062_EMILY-D**

Family	Emily	FWHM	14 degrees
Type	Assembly	Efficiency	90 %
LED	XM-L	cd/lm	10.100
Color	Clear	Gerber File	Available
Diameter	26 mm		
Height	14.74 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

Product number   **CA12064_EMILY-M**

Family	Emily	FWHM	18 degrees
Type	Assembly	Efficiency	93 %
LED	XM-L	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	26 mm		
Height	14.85 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

Product number   **CA12070_EMILY-M2**

Family	Emily	FWHM	28 degrees
Type	Assembly	Efficiency	92 %
LED	XM-L	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	26 mm		
Height	14.88 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

LEDiL

Product number	CA11934_EMILY-W		
Family	Emily	FWHM	36 degrees
Type	Assembly	Efficiency	86 %
LED	XM-L	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	26 mm		
Height	14.74 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

Product number	CA12066_EMILY-O		
Family	Emily	FWHM	47+13 degrees
Type	Assembly	Efficiency	90 %
LED	XM-L	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	26 mm		
Height	14.96 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "tape"]		
Status	Production ready		

Product number	CA12068_EMILY-O-90		
Family	Emily	FWHM	47+13 degrees
Type	Assembly	Efficiency	90 %
LED	XM-L	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	26 mm		
Height	14.97 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "tape"]		
Status	Production ready		

Product number	CA13498_EMILY-WWW		
Family	Emily	FWHM	70 degrees
Type	Assembly	Efficiency	90 %
LED	XM-L	cd/lm	0.700
Color	Clear	Gerber File	Available
Diameter	26 mm		
Height	13.43 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["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.

GENERAL INFORMATION

- Product series especially designed & optimized for XM-L 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%208N%20UL94_Yellow%20Card.pdf
http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20PLEXIGLAS-Datasheet.pdf

Relative intensity of CA13498_EMILY-WWW_(XML)

D C B A

4
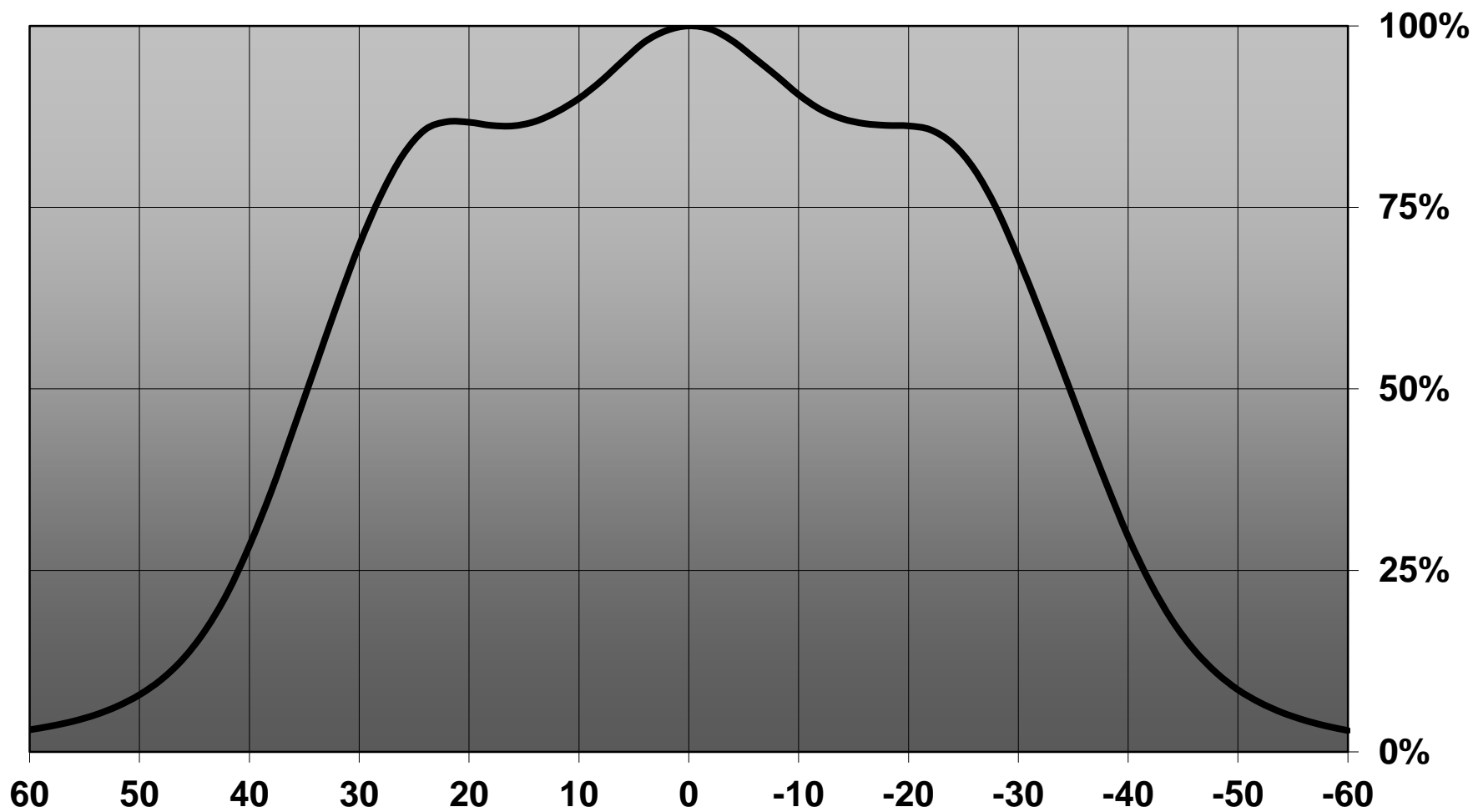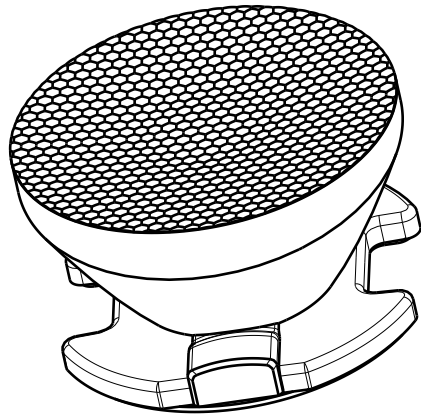
Isometric view
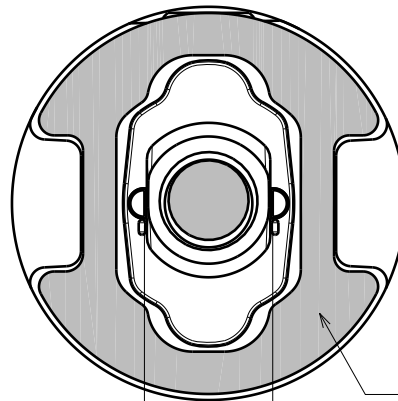
Bottom view

0.4mm tape

8.6

location pins

3

14.8
With tape
14.4

Front view

0.7

26

Top view

2
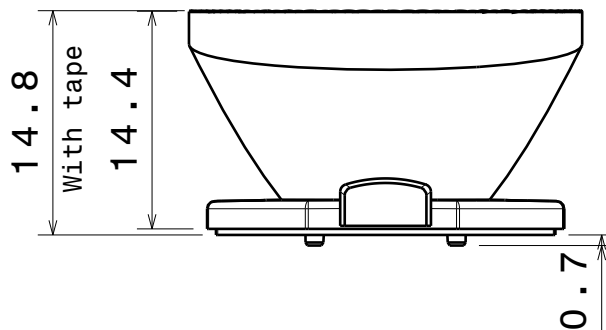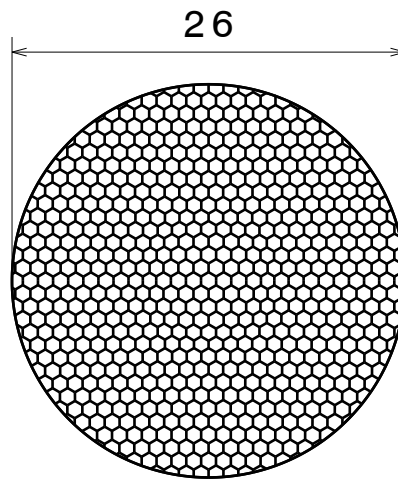
Part No.s:
CA11998_EMILY-SS-WAS
CA12000_EMILY-O-WAS
CA12797_EMILY-O-WAS
CA12799_EMILY-SS-WAS

Material: PMMA

LEDiL

DRAWN BY	DATE			
m	01.03.2010			

DRAWING TITLE

Datasheet Emily-was Assembly

CHECKED BY	DATE	SIZE	DRAWING NUMBER	REV
h h	01.03.2011	A4		1

DESIGNED BY	DATE			
hh	25.01.2011	SCALE 2:1	WEIGHT(g)	SHEET 1/1

D A

Luminaire: LEDiL Oy CA11998_EMILY-SS-WAS_(XM-L)
Lamps: 1 x Cree_XM-L_(XMLAWT-00-0000-0000T6051)_98.9426lm@250mA_P=0.71243W_U=2.8530V
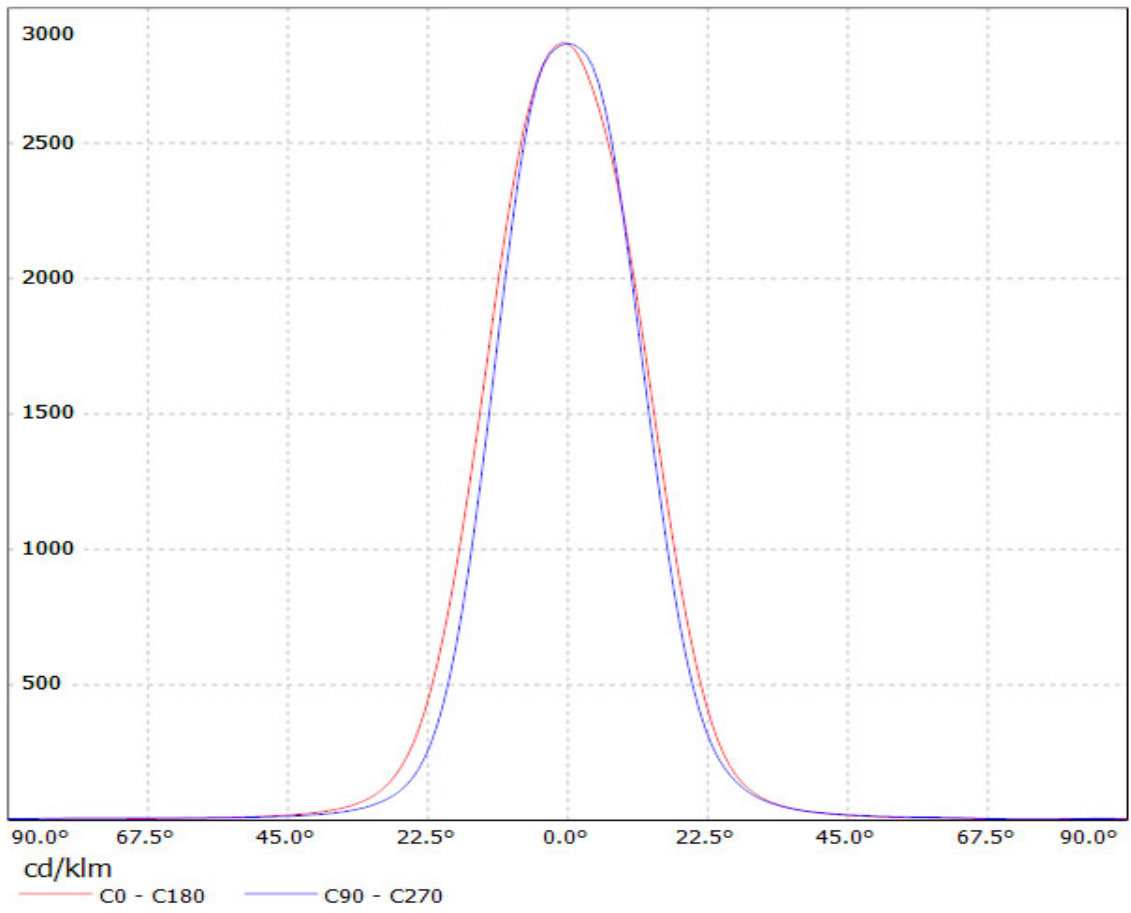
cd/klm

η = 94%

C0 - C180   C90 - C270
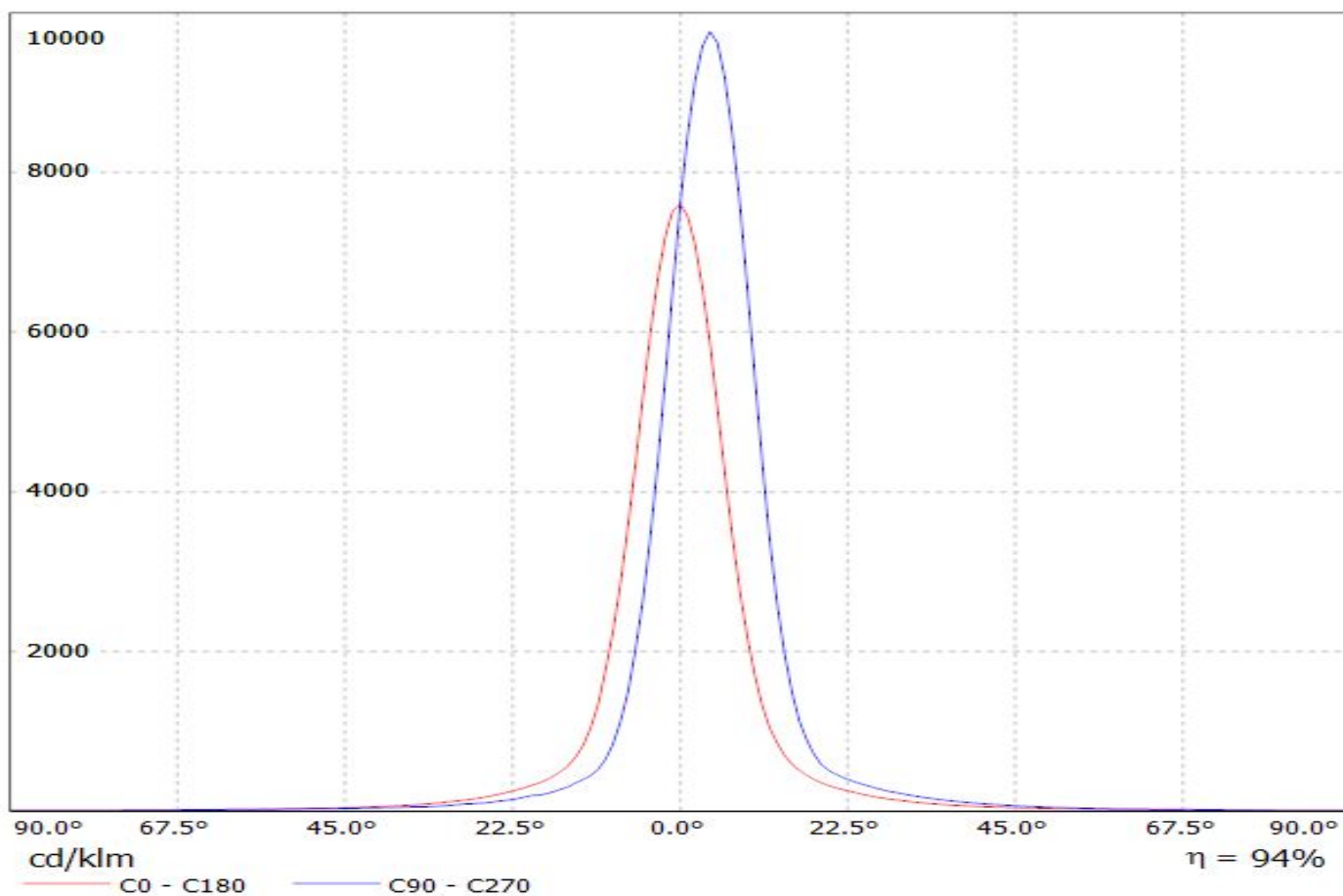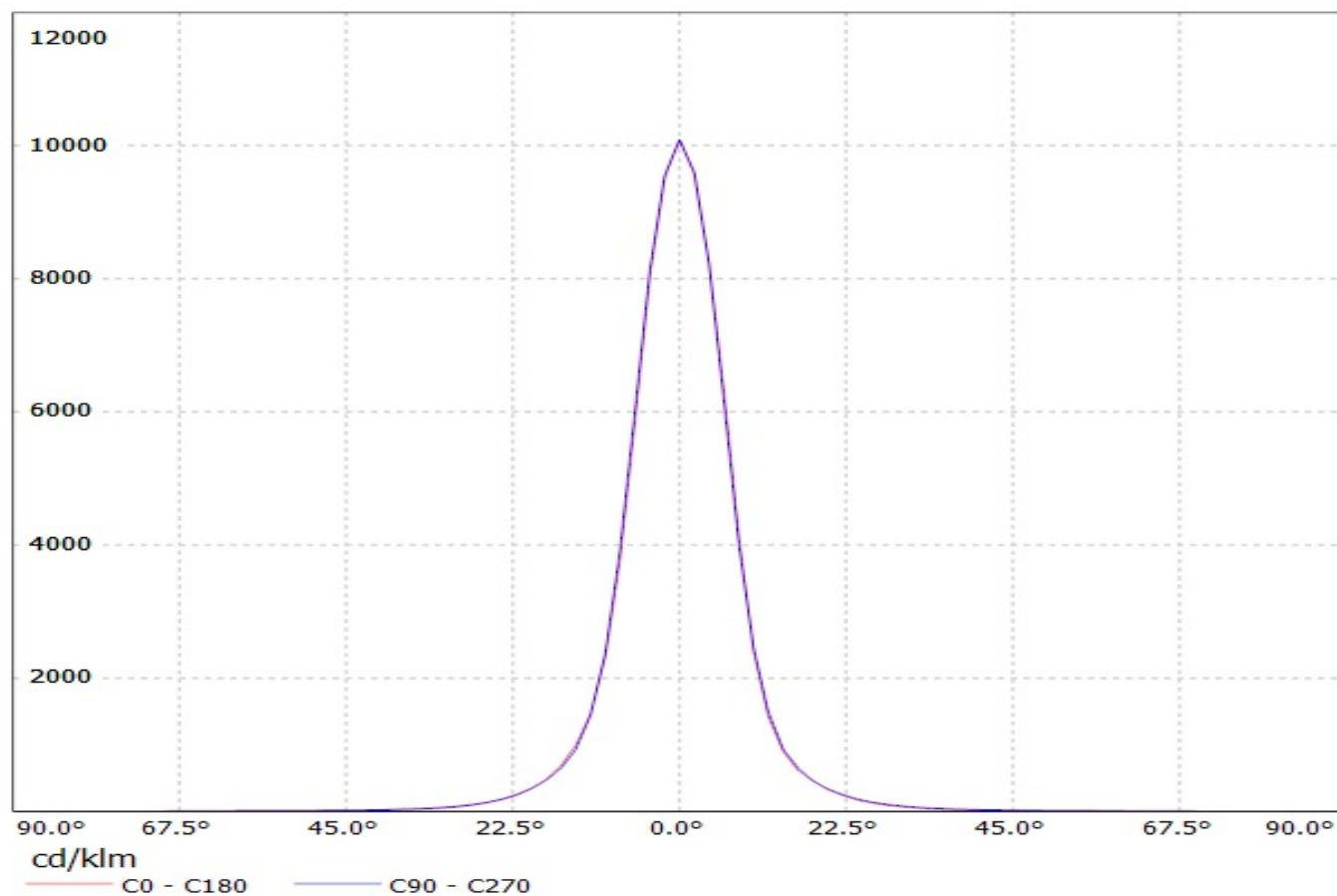
Luminaire: Ledil Oy CA12062_EMILY-D (Cree XM-L 92lm @ 250mA) Efficiency=90%
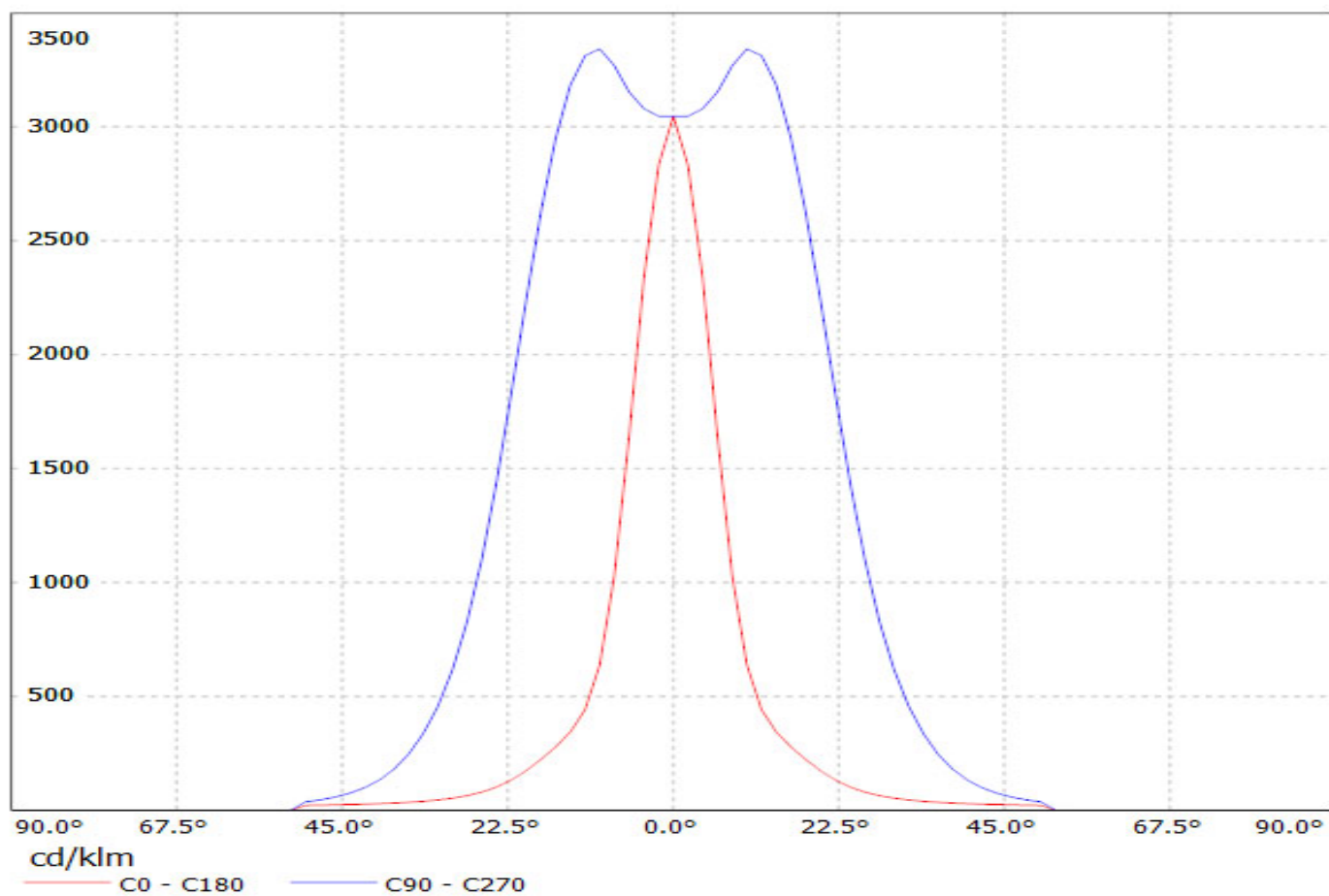Lamps: 1 x Cree XM-L 92lm @ 250mA

Luminaire: Ledil Oy CA12070_Emily-M2-Tape-XM CA12070_Emily-M2-Tape-XM Cree XM-L (white) 97lm @ 250 mA LOR=92%
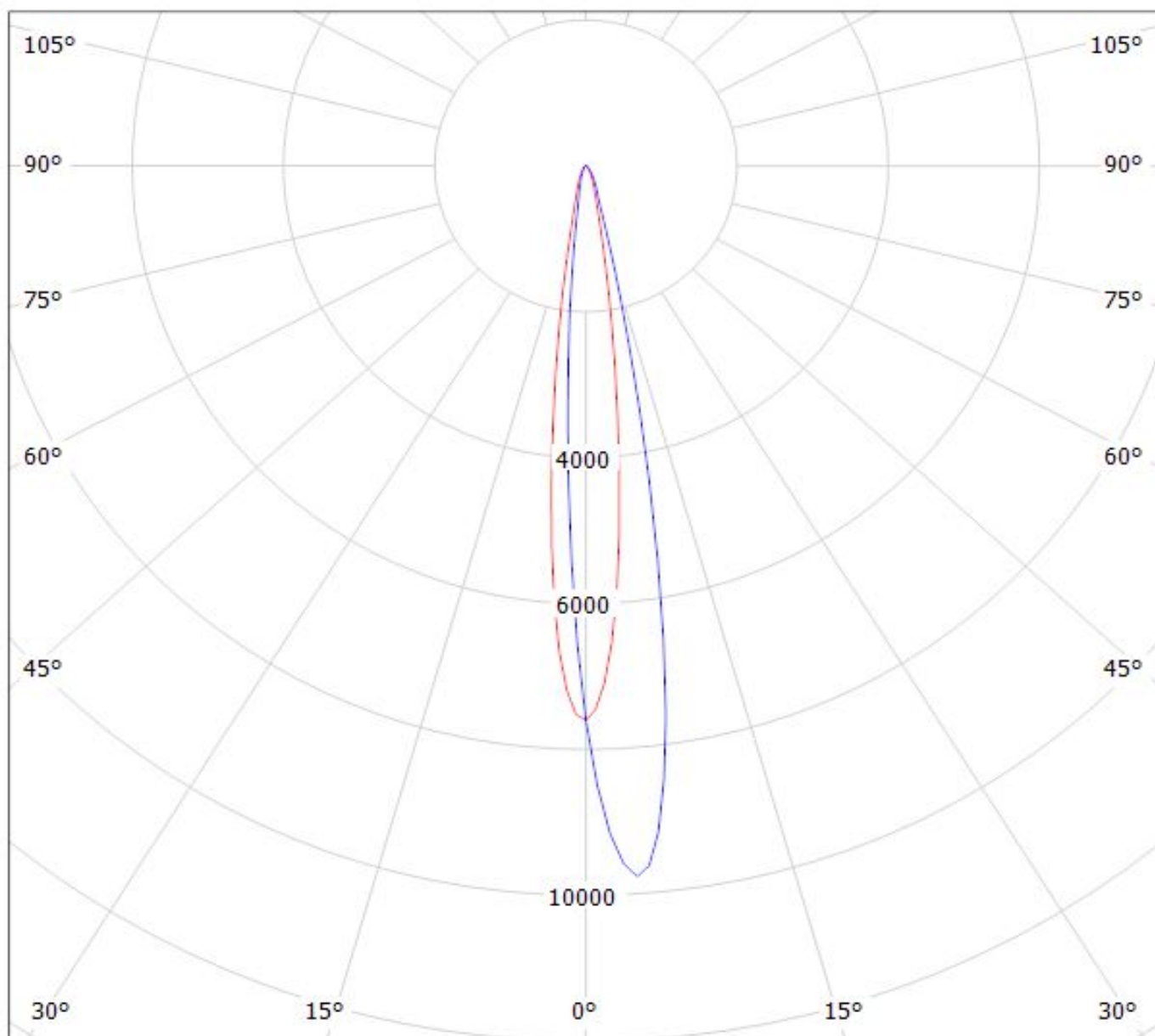Lamps: 1 x Cree XM-L (white) 97lm @ 250 mA

cd/klm

——— C0 - C180   ——— C90 - C270

Luminaire: Ledil Oy CA12066_Emily-O-Tape-XM CA12066_Emily-O-Tape-XM
Lamps: 1 x Cree XM-L

cd/klm

C0 - C180   C90 - C270

Luminaire: LEDiL Oy CA11998_EMILY-SS-WAS_(XM-L)
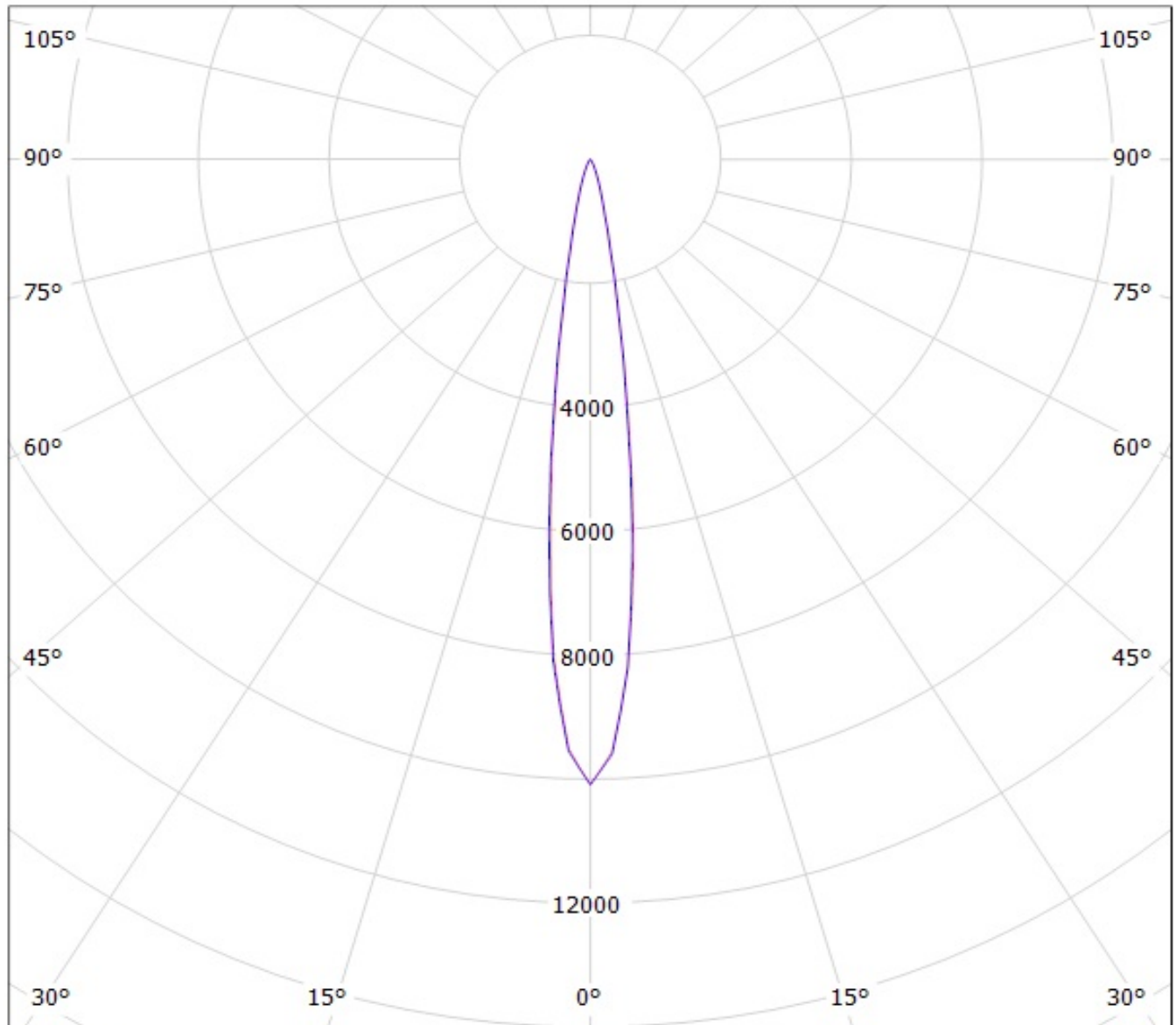Lamps: 1 x Cree_XM-L_(XMLAWT-00-0000-0000T6051)_98.9426lm@250mA_P=0.71243W_U=2.8530V

cd/klm

η = 94%

C0 - C180   C90 - C270

Luminaire: Ledil Oy CA12062_EMILY-D (Cree XM-L 92lm @ 250mA) Efficiency=90%
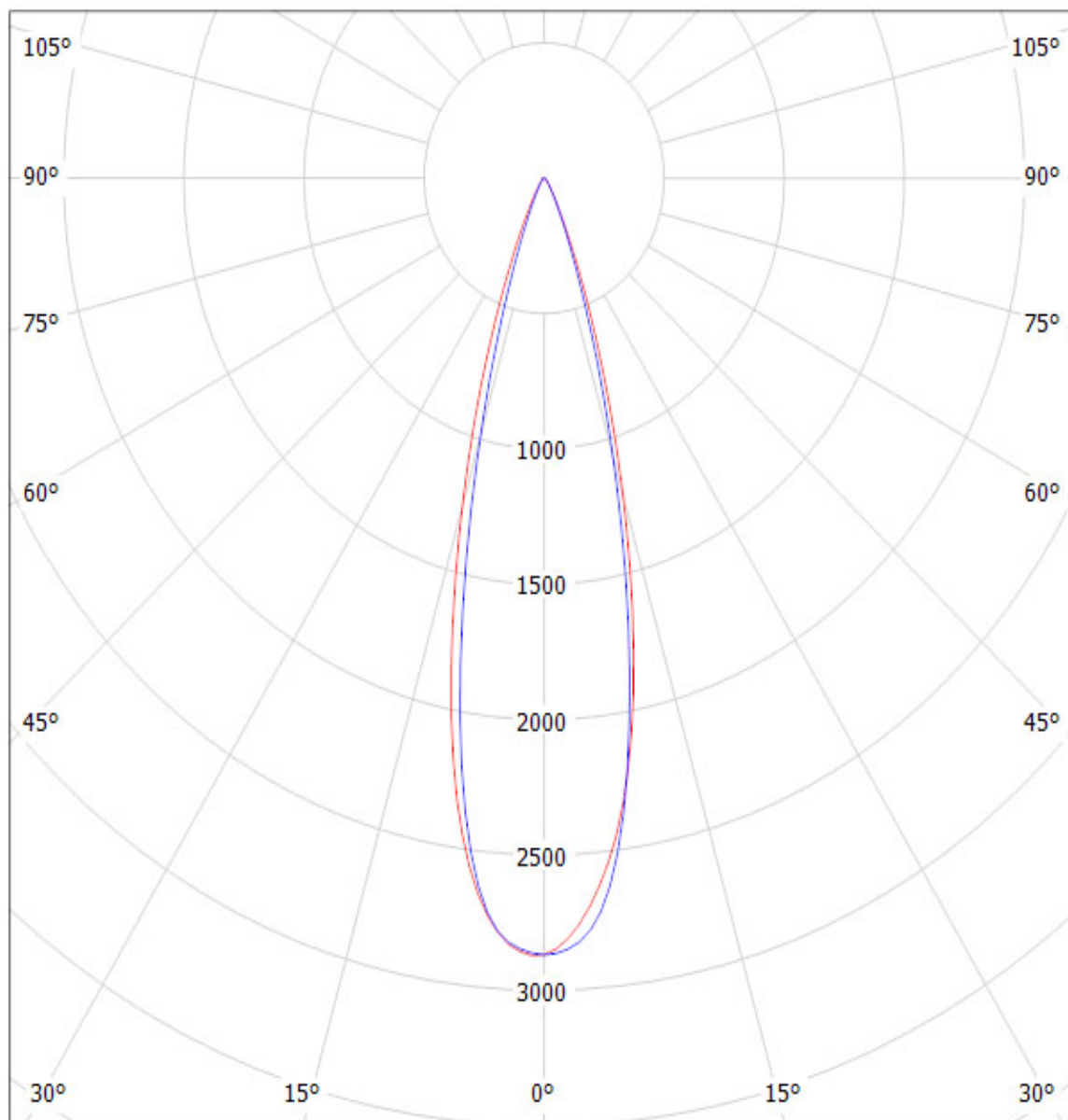Lamps: 1 x Cree XM-L 92lm @ 250mA

cd/klm

——— C0 - C180   ——— C90 - C270

Luminaire: Ledil Oy CA12070_Emily-M2-Tape-XM CA12070_Emily-M2-Tape-XM Cree XM-L (white) 97lm @ 250 mA LOR=92%
Lamps: 1 x Cree XM-L (white) 97lm @ 250 mA

cd/klm

——— C0 - C180   ——— C90 - C270

cd/klm

η = 72%

C0 - C180   C90 - C270