

**Ordering number FA11902_TINA3-W**

Family	Tina3	FWHM	30 degrees
Type	Assembly	Efficiency	92 %
LED	XT-E	cd/lm	2.300
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	7.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

**Ordering number CA13043_TINA3-W**

Family	Tina3	FWHM	36 degrees
Type	Assembly	Efficiency	93 %
LED	XT-E	cd/lm	2.000
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	7.29 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number CA12892_TINA3-WW**

Family	Tina3	FWHM	40 degrees
Type	Assembly	Efficiency	93 %
LED	XT-E	cd/lm	1.400
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	7.29 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number CA12426_TINA3-W**

Family	Tina3	FWHM	41 degrees
Type	Assembly	Efficiency	88 %
LED	XT-E	cd/lm	1.800
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	6.9 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

**Ordering number FA11903_TINA3-WW**

Family	Tina3	FWHM	46 degrees
Type	Assembly	Efficiency	92 %
LED	XT-E	cd/lm	1.200
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	7.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

**Ordering number CA12427_TINA3-WW**

Family	Tina3	FWHM	56 degrees
Type	Assembly	Efficiency	87 %
LED	XT-E	cd/lm	1.000
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	6.9 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		

**Ordering number CA13045_TINA3-WWW**

Family	Tina3	FWHM	56 degrees
Type	Assembly	Efficiency	93 %
LED	XT-E	cd/lm	0.900
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	7.29 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

**Ordering number FA11904_TINA3-WWW**

Family	Tina3	FWHM	60 degrees
Type	Assembly	Efficiency	88 %
LED	XT-E	cd/lm	0.800
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		



Ordering number CA12428_TINA3-WWW

Family	Tina3	FWHM	68 degrees
Type	Assembly	Efficiency	85 %
LED	XT-E	cd/lm	0.700
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	6.9 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
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

Tina3 series

last update 9/4/2013

GENERAL INFORMATION

- Product series especially designed & optimized for XT-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.

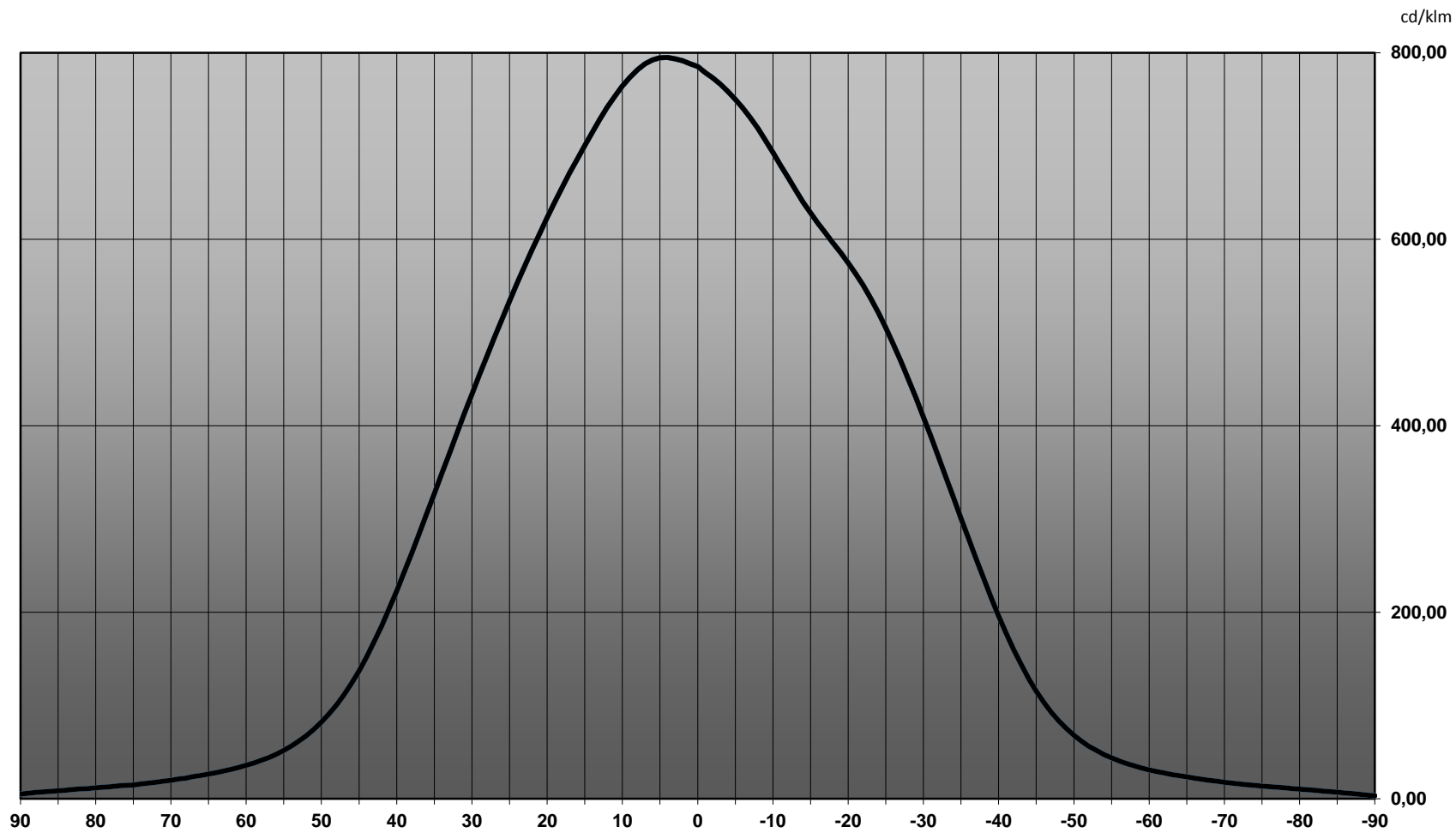
Please find more information about used material from below:

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

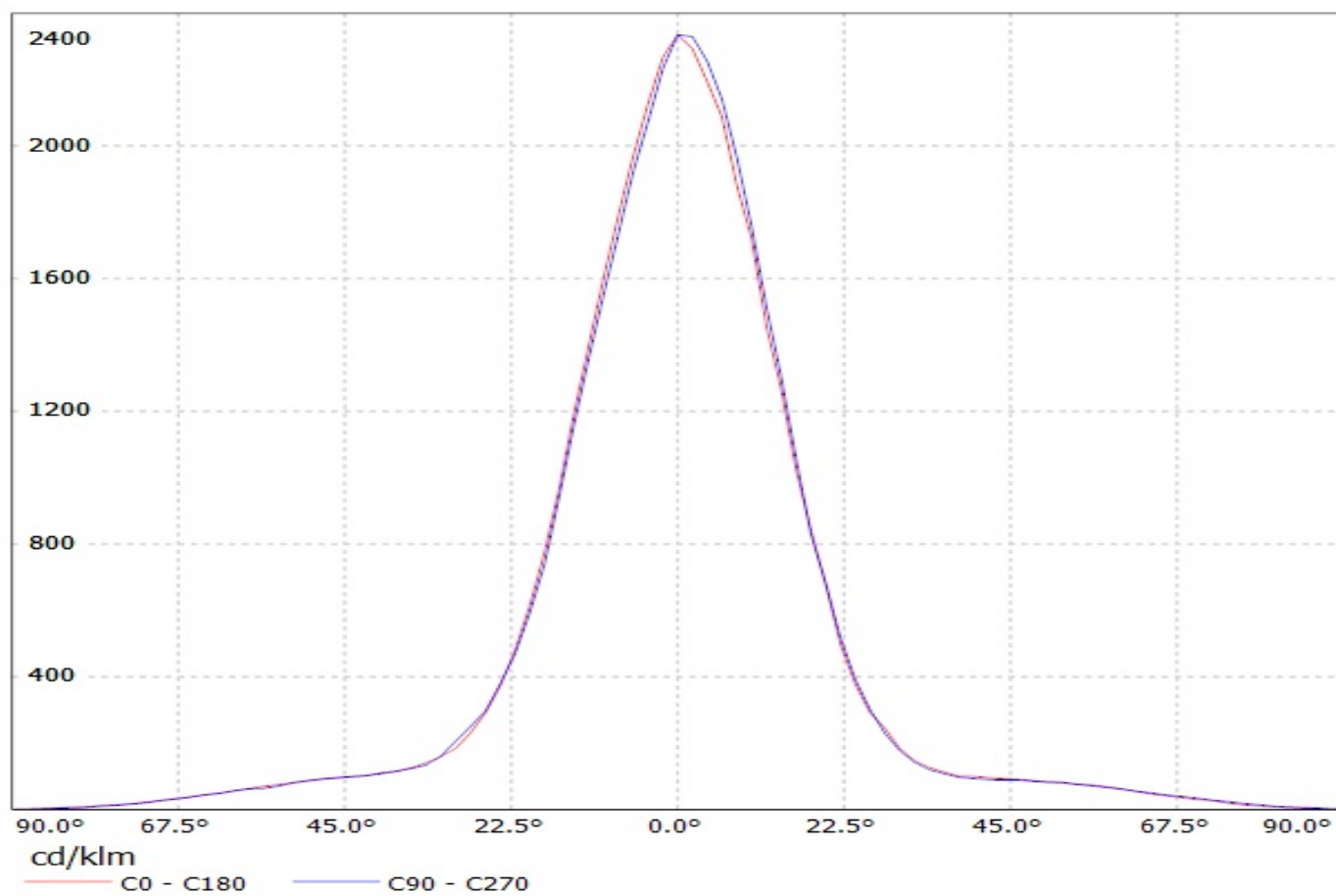
<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

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

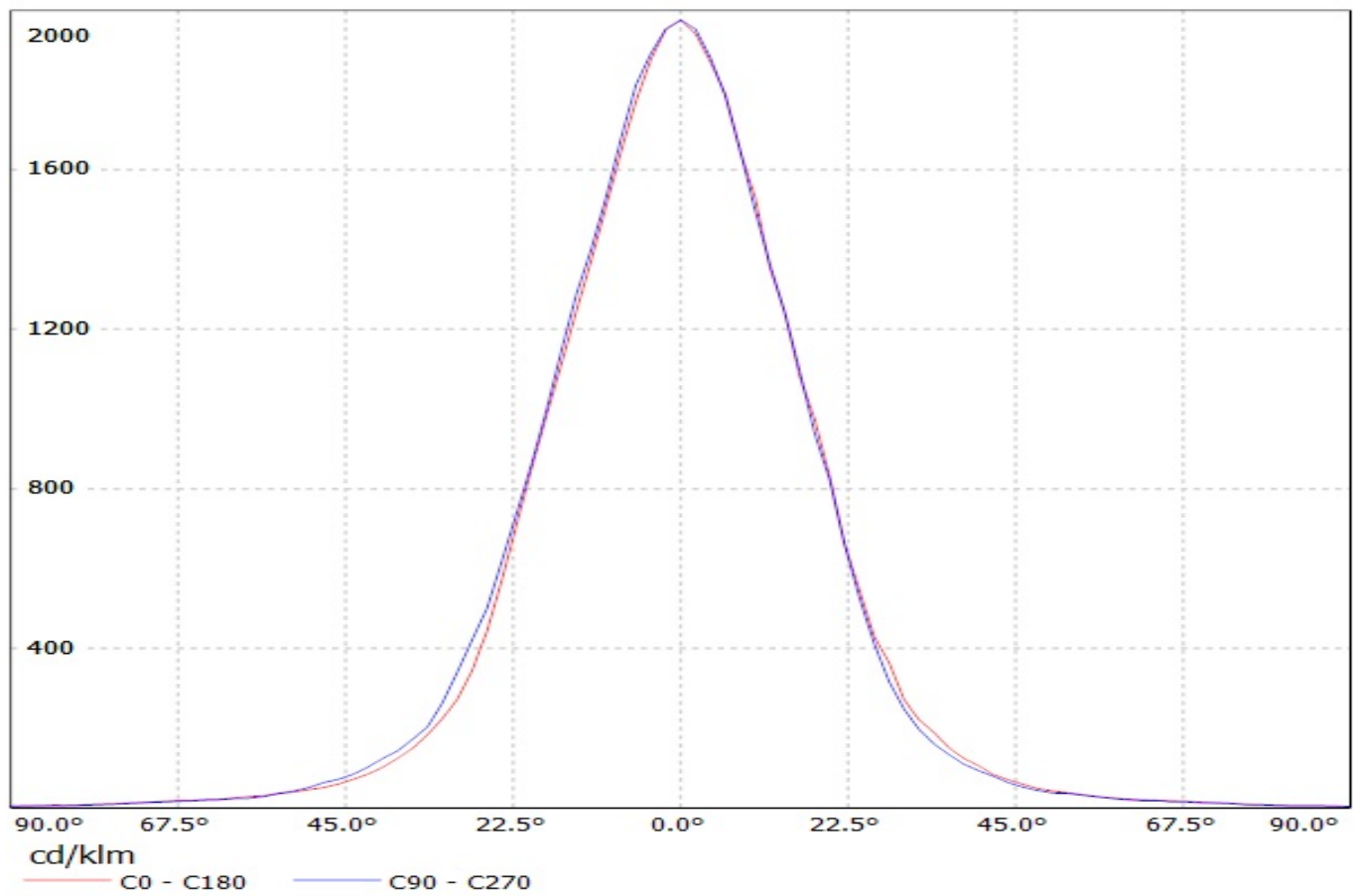
Absolute intensity of FA11904_TINA3-WWW (Cree XT-E)



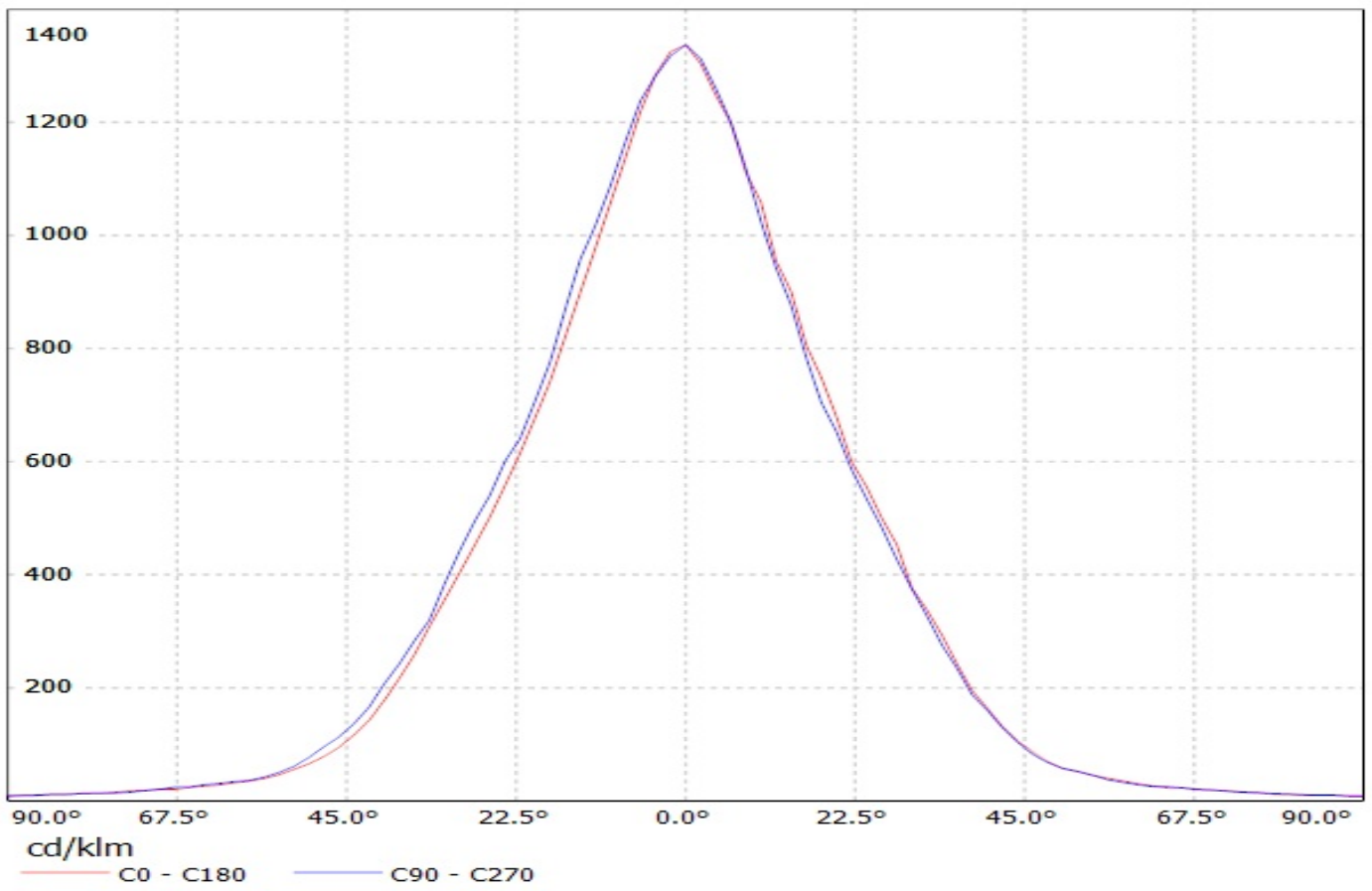
Luminaire: Ledil Oy FA11902_TINA3-W (cree XT-E 98lm @ 250mA) Efficiency=92%
Lamps: 1 x Cree XT-E 98lm @ 250mA



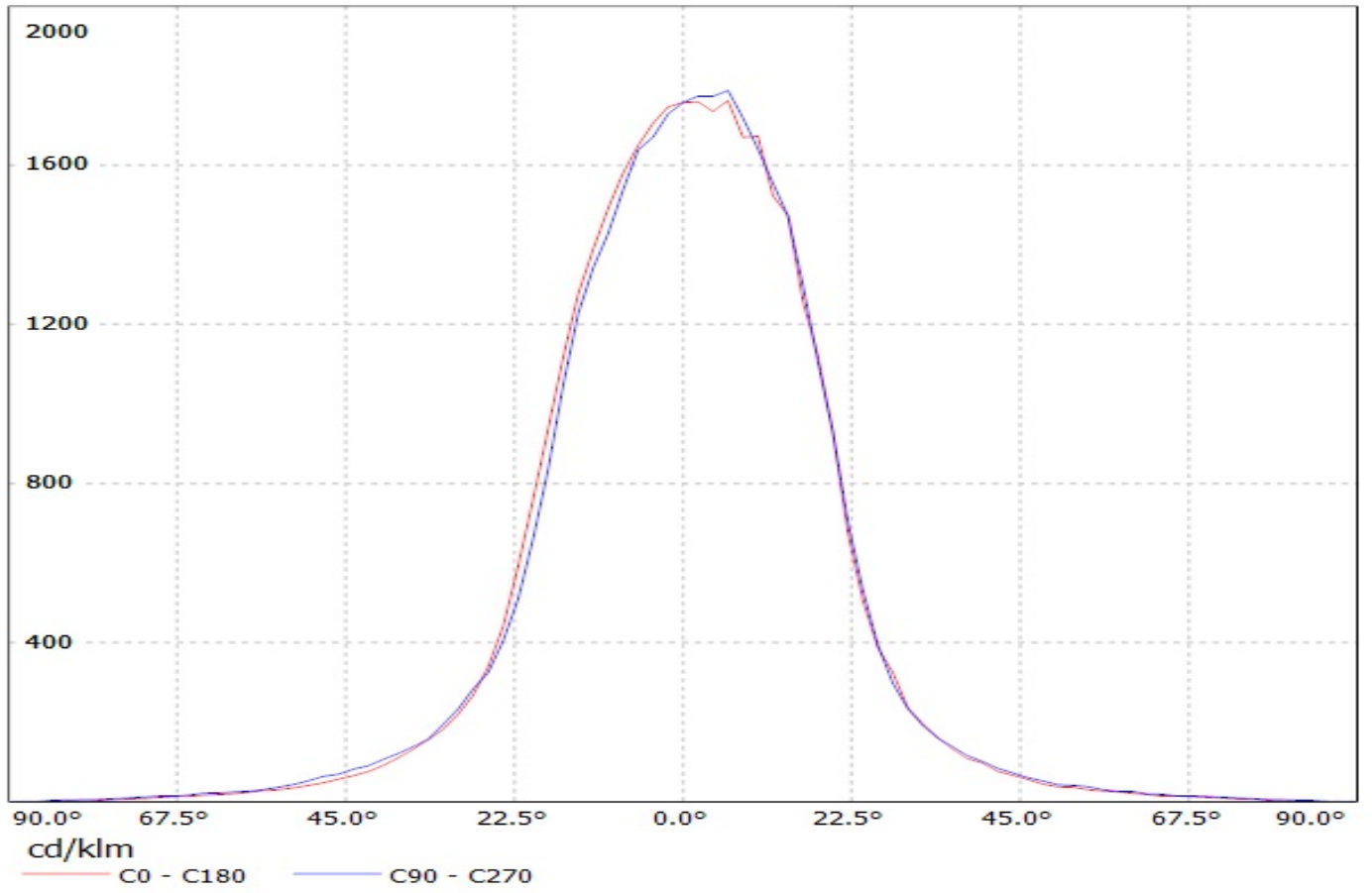
Luminaire: Ledil Oy CA13043_TINA3-W (Cree XT-E 94lm @ 250mA) Efficiency=93%
Lamps: 1 x Cree XT-E 94lm @ 250mA



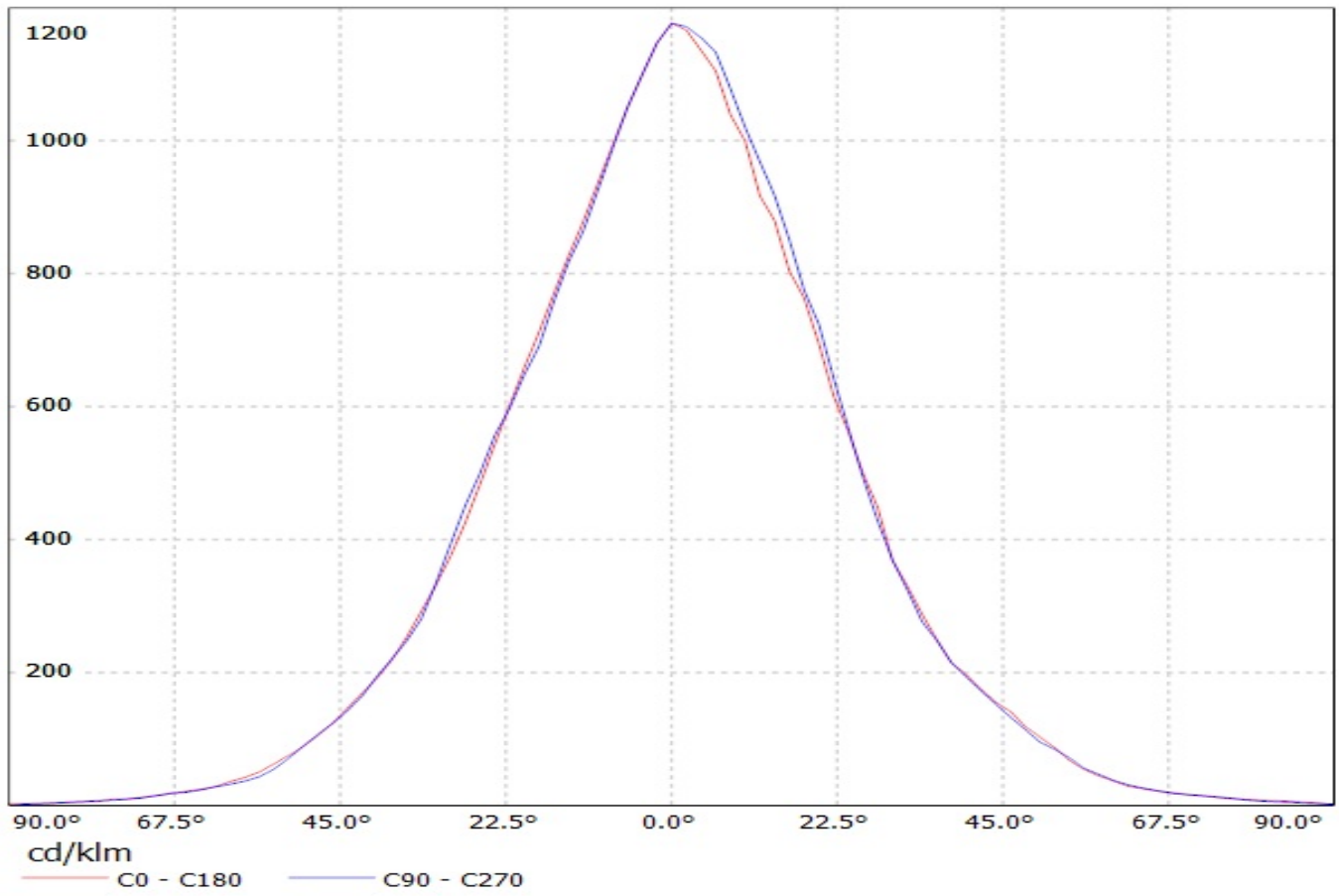
Luminaire: Ledil Oy CA12892_TINA3-WW (Cree XT-E 94lm @ 250mA) Efficiency=93%
Lamps: 1 x Cree XT-E 94lm @ 250mA



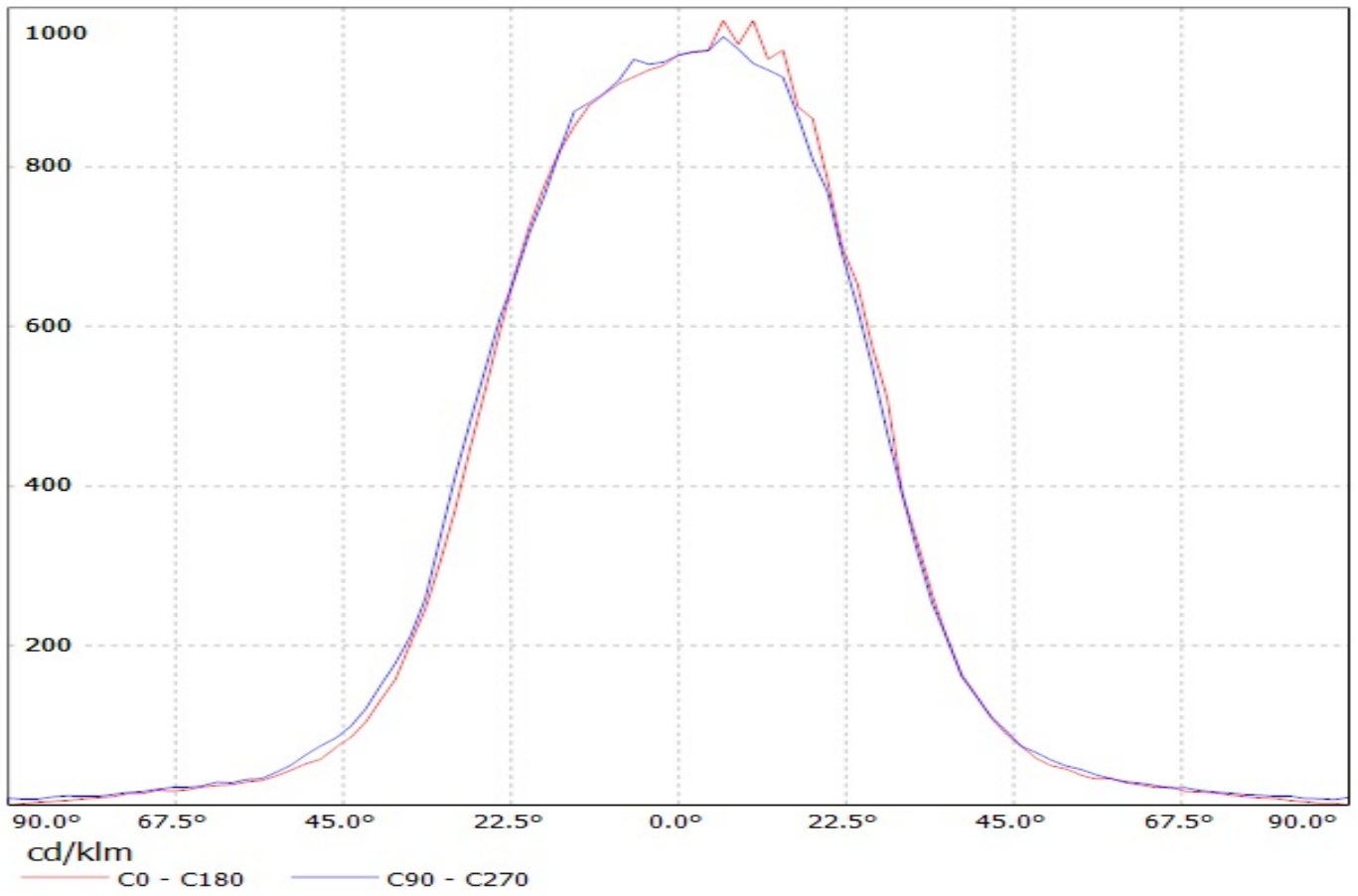
Luminaire: Ledil Oy CA12426_TINA3-W (Cree XT-E 98lm @ 250mA) Efficiency=88%
Lamps: 1 x Cree XT-E 98lm @ 250mA



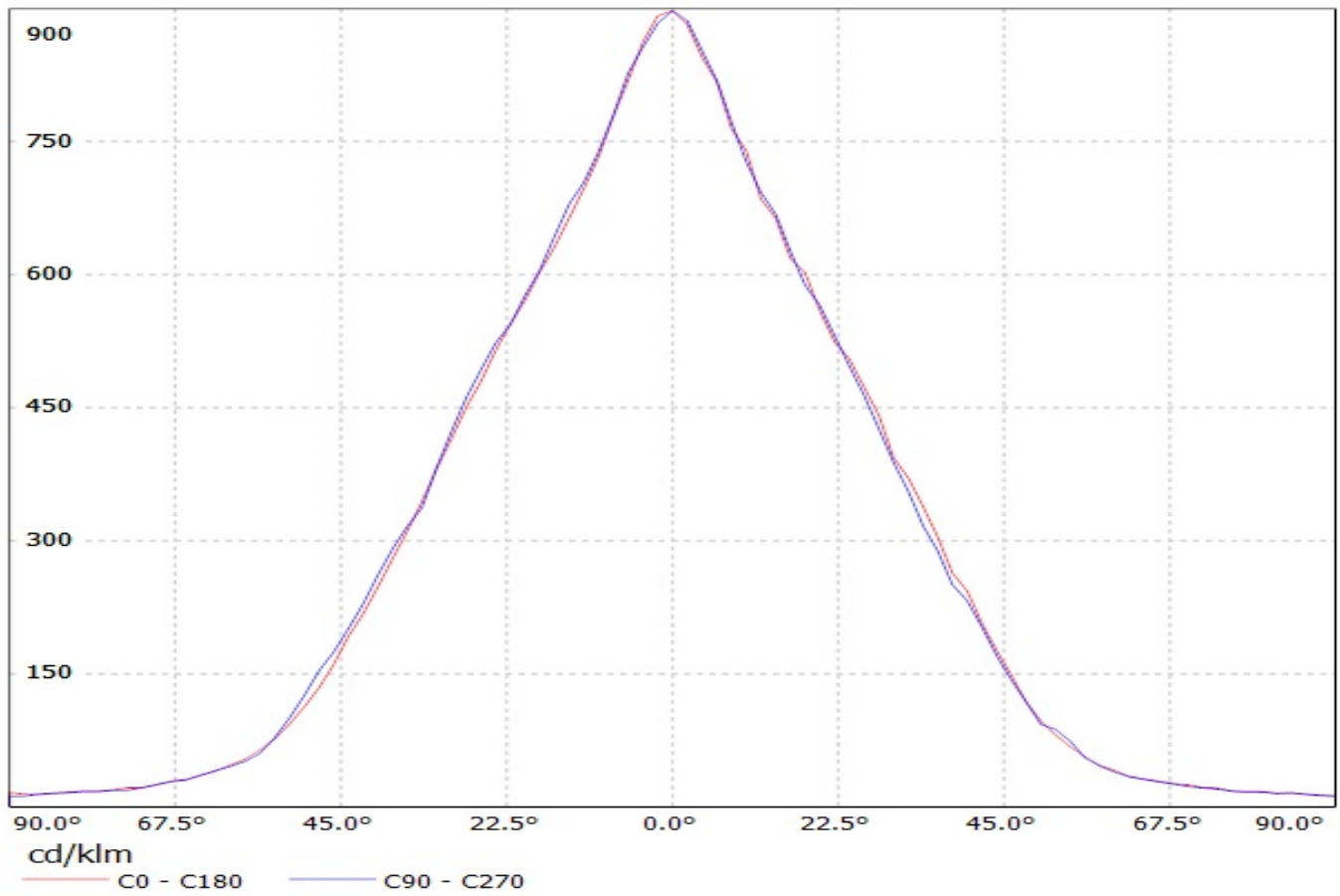
Luminaire: Ledil Oy FA11903_TINA3-WW (Cree XT-E 98lm @ 250mA) Efficiency=92%
Lamps: 1 x Cree XT-E 98lm @ 250mA



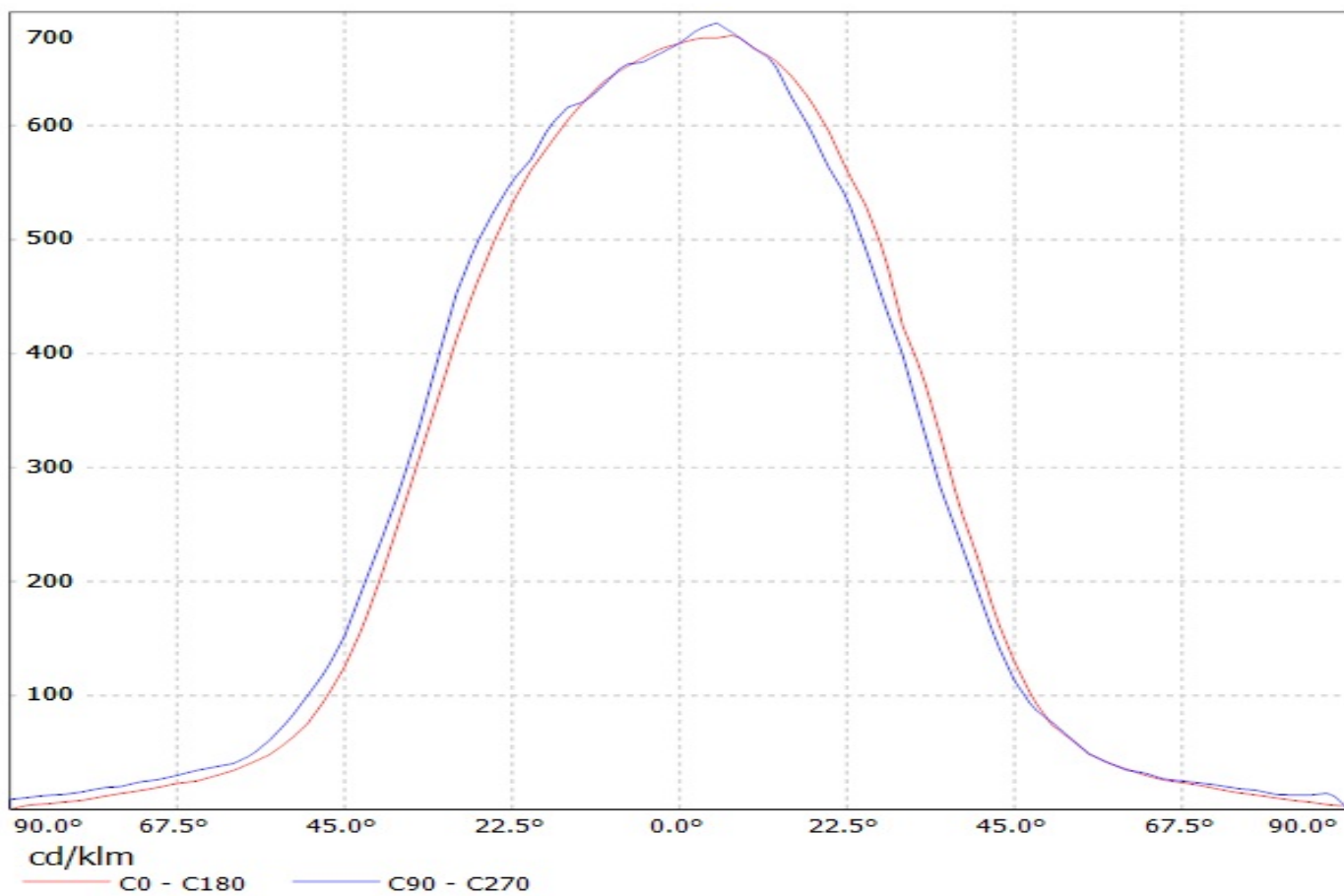
Luminaire: Ledil Oy CA12427_TINA3-WW (Cree XT-E 98lm @ 250mA) Efficiency=87%
Lamps: 1 x Cree XT-E 98lm @ 250mA



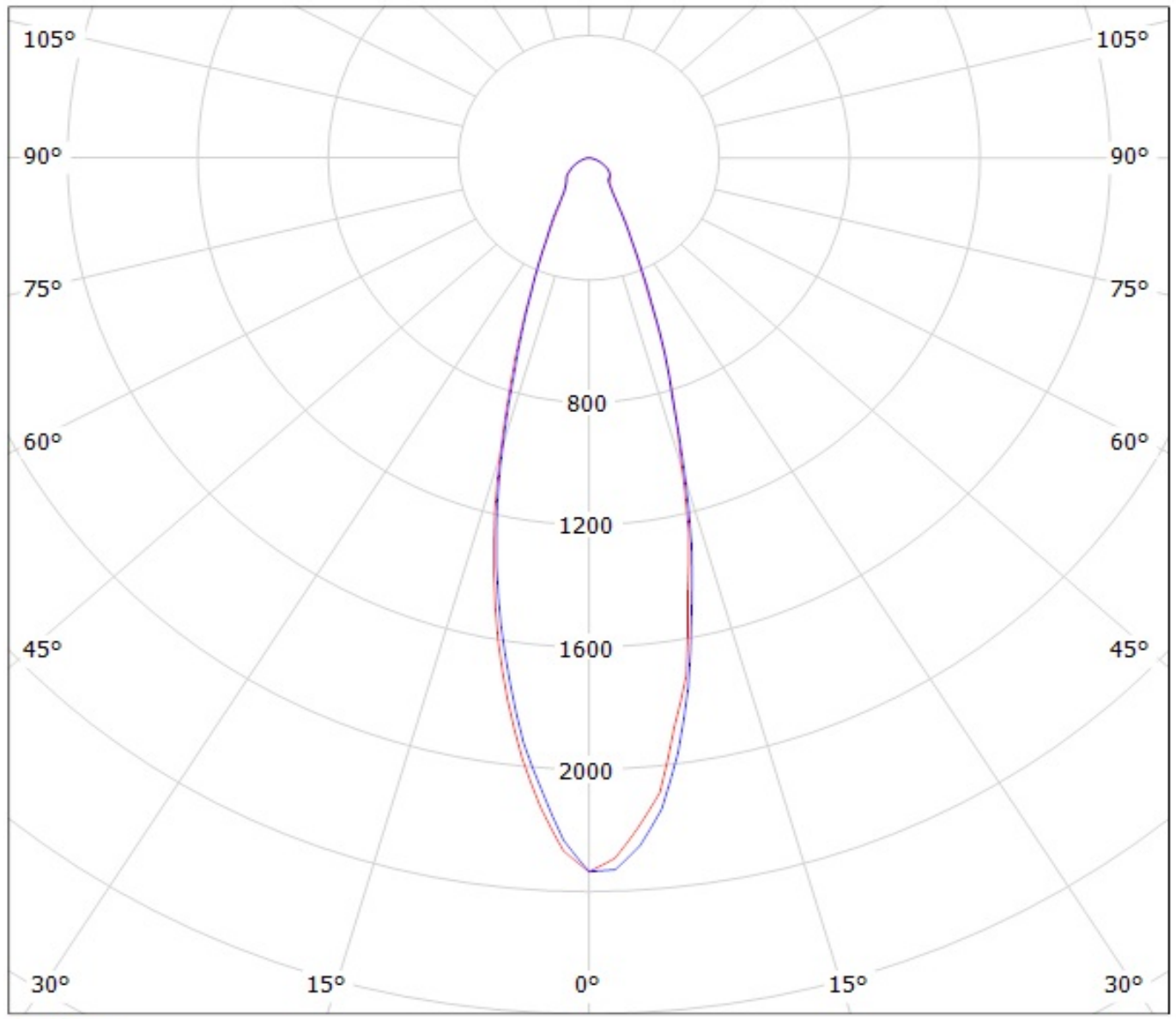
Luminaire: Ledil Oy CA13045_TINA3-WWW (Cree XT-E 94lm @ 250mA) Efficiency=93%
Lamps: 1 x Cree XT-E 94lm @ 250mA



Luminaire: Ledil Oy CA12428_TINA3-WWW (Cree XT-E 98lm @ 250mA) Efficiency=85%
Lamps: 1 x Cree XT-E 98lm @ 250mA



Luminaire: Ledil Oy FA11902_TINA3-W (cree XT-E 98lm @ 250mA) Efficiency=92%
Lamps: 1 x Cree XT-E 98lm @ 250mA

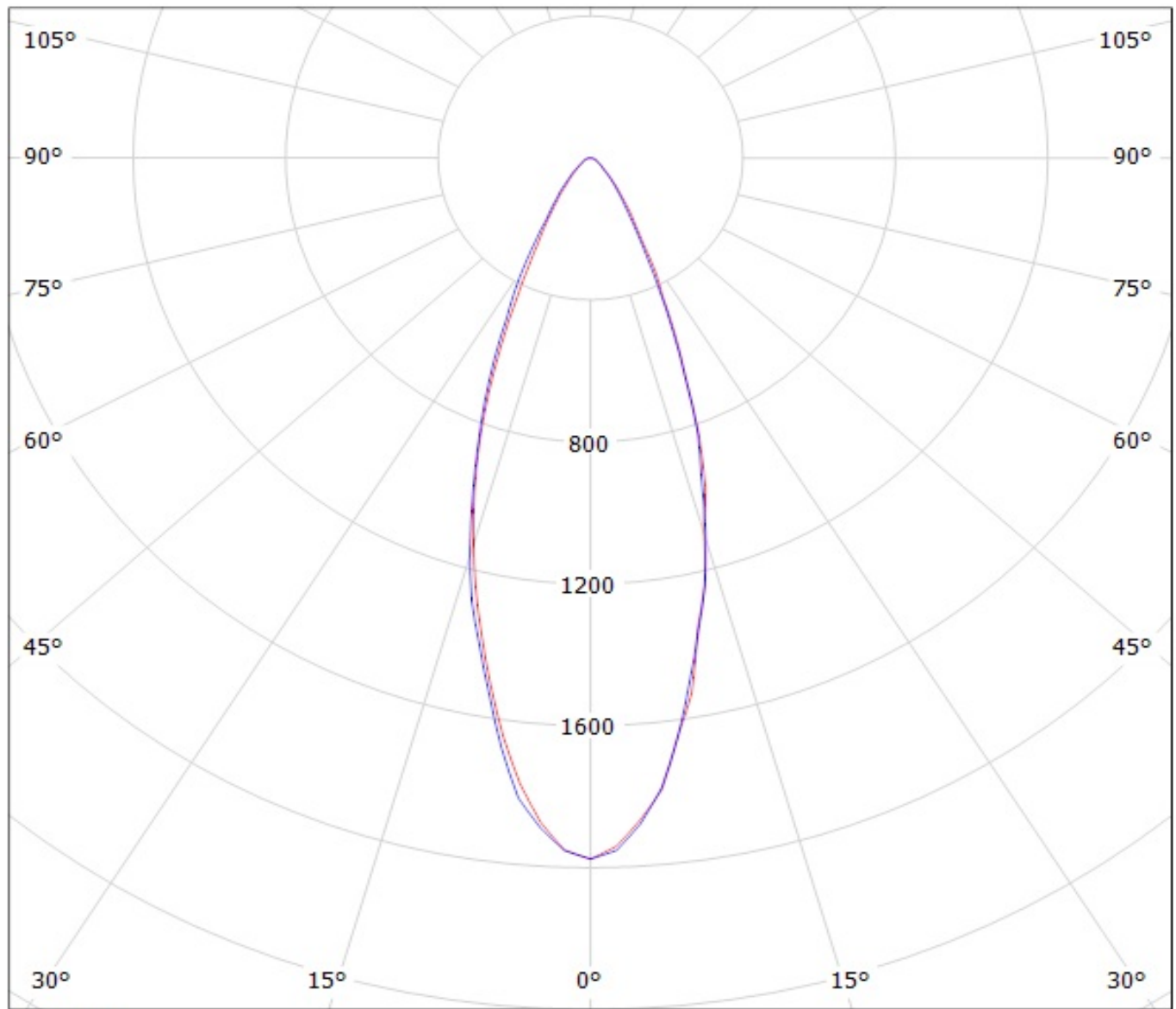


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA13043_TINA3-W (Cree XT-E 94lm @ 250mA) Efficiency=93%
Lamps: 1 x Cree XT-E 94lm @ 250mA

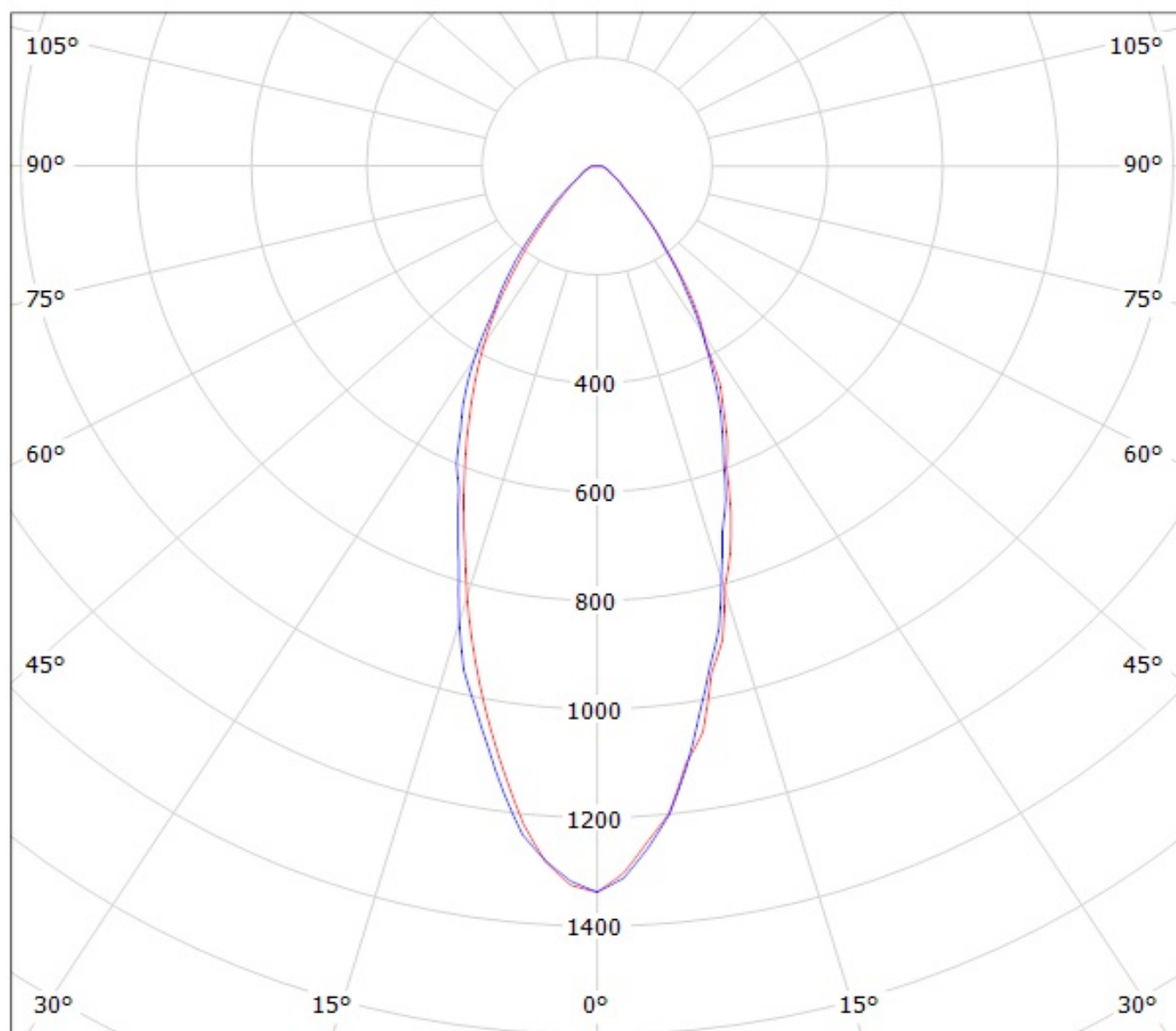


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA12892_TINA3-WW (Cree XT-E 94lm @ 250mA) Efficiency=93%
Lamps: 1 x Cree XT-E 94lm @ 250mA

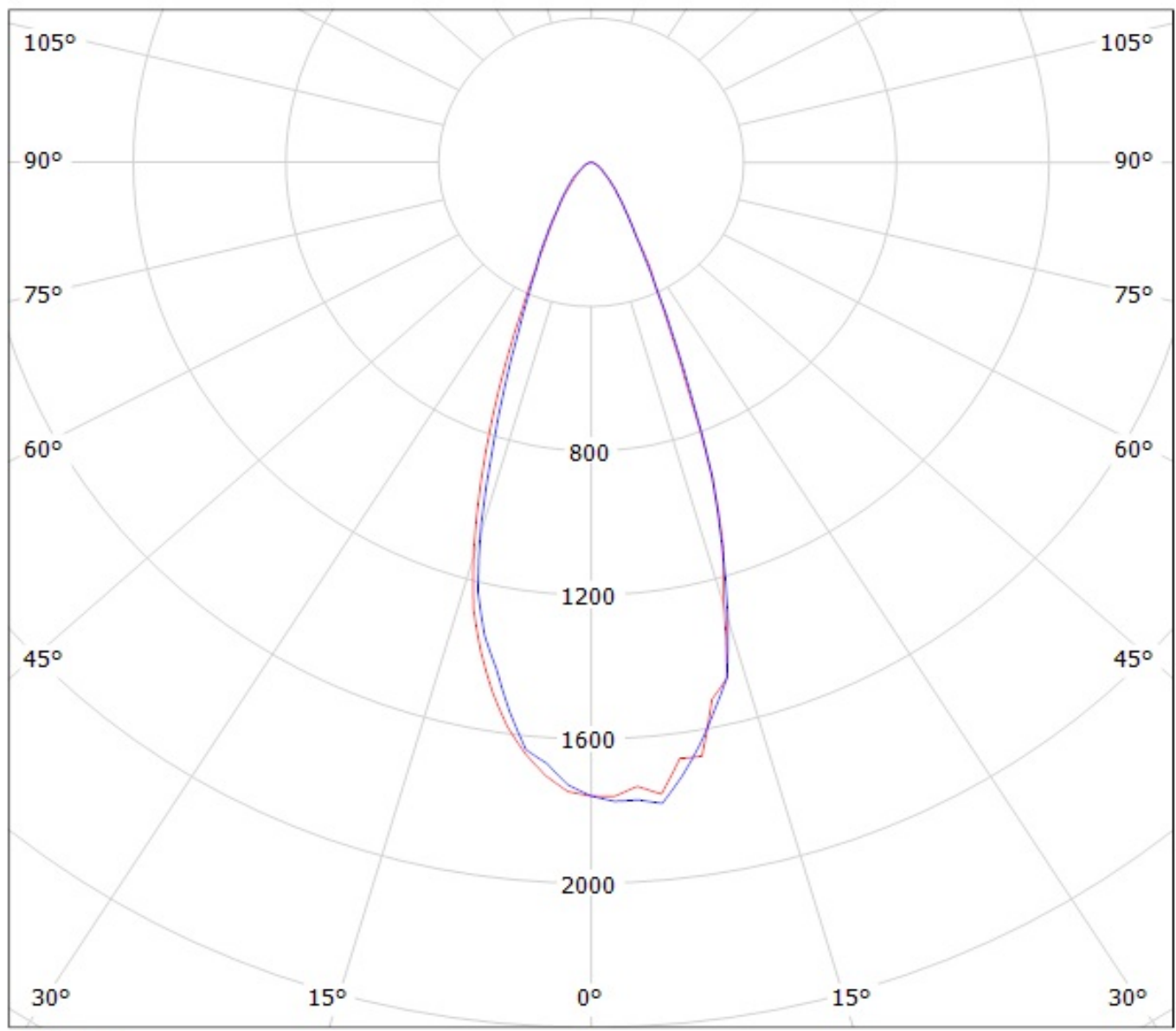


cd/klm

— C0 - C180

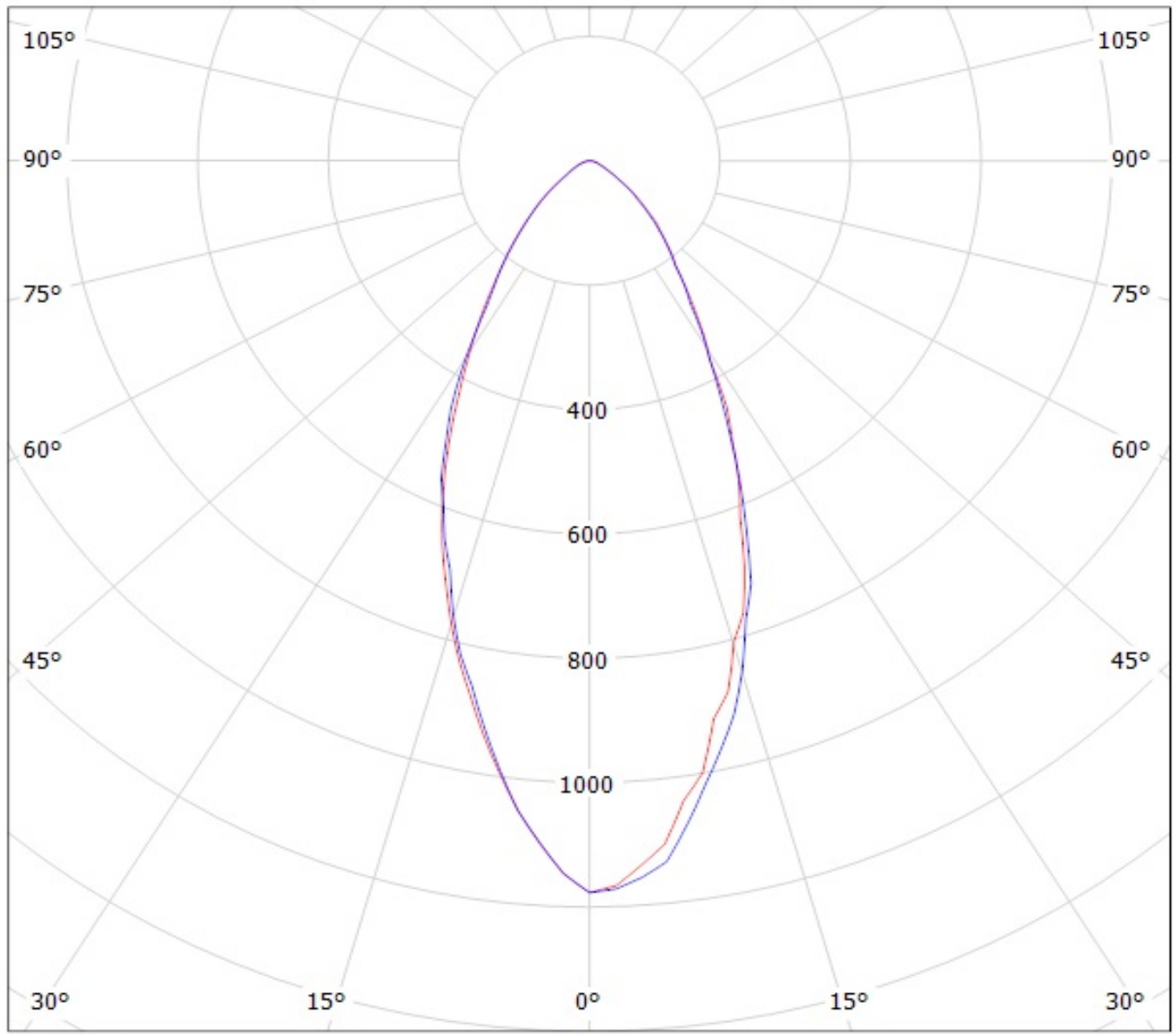
— C90 - C270

Luminaire: Ledil Oy CA12426_TINA3-W (Cree XT-E 98lm @ 250mA) Efficiency=88%
Lamps: 1 x Cree XT-E 98lm @ 250mA



cd/klm
— C0 - C180 — C90 - C270

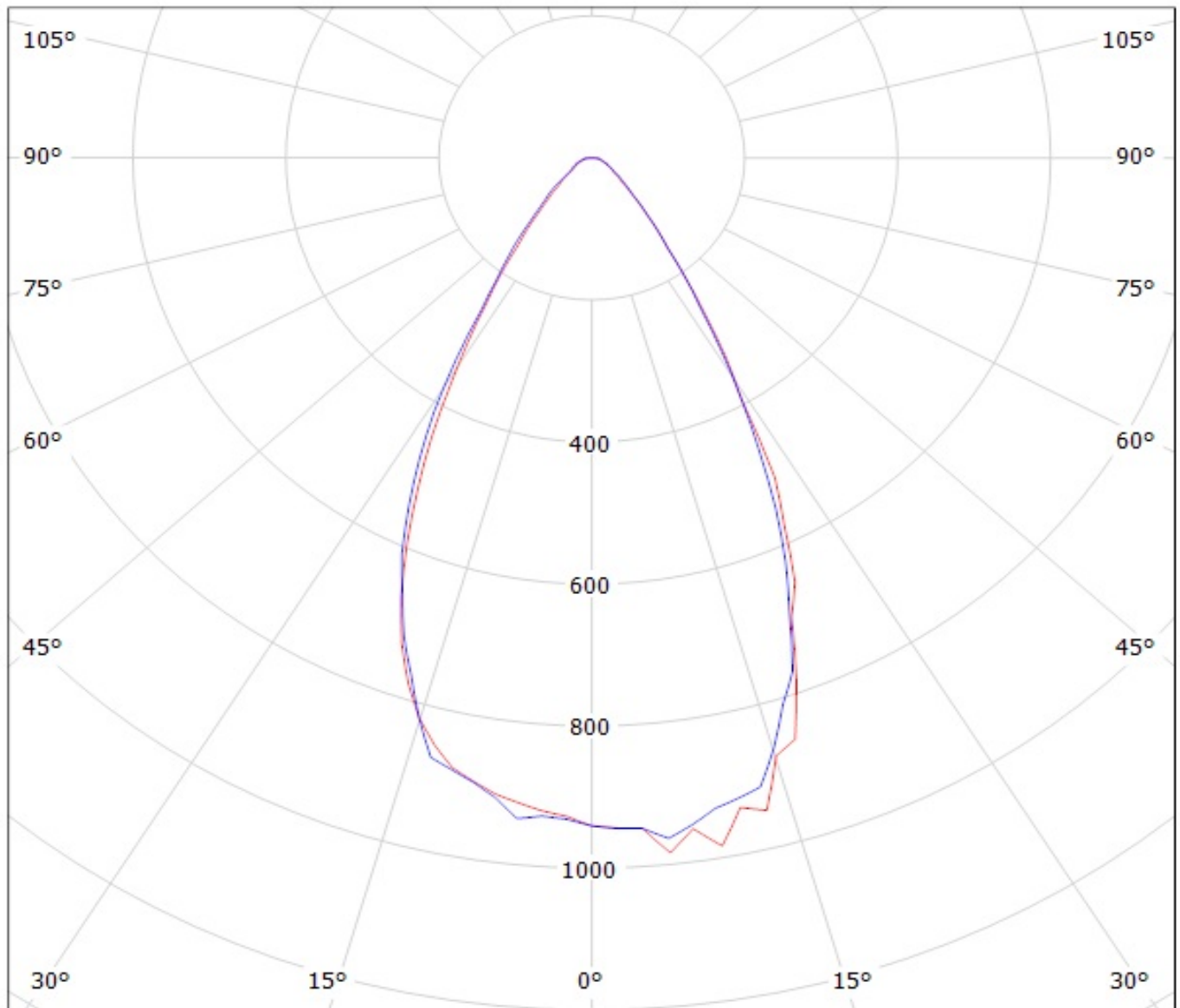
Luminaire: Ledil Oy FA11903_TINA3-WW (Cree XT-E 98lm @ 250mA) Efficiency=92%
Lamps: 1 x Cree XT-E 98lm @ 250mA



cd/klm

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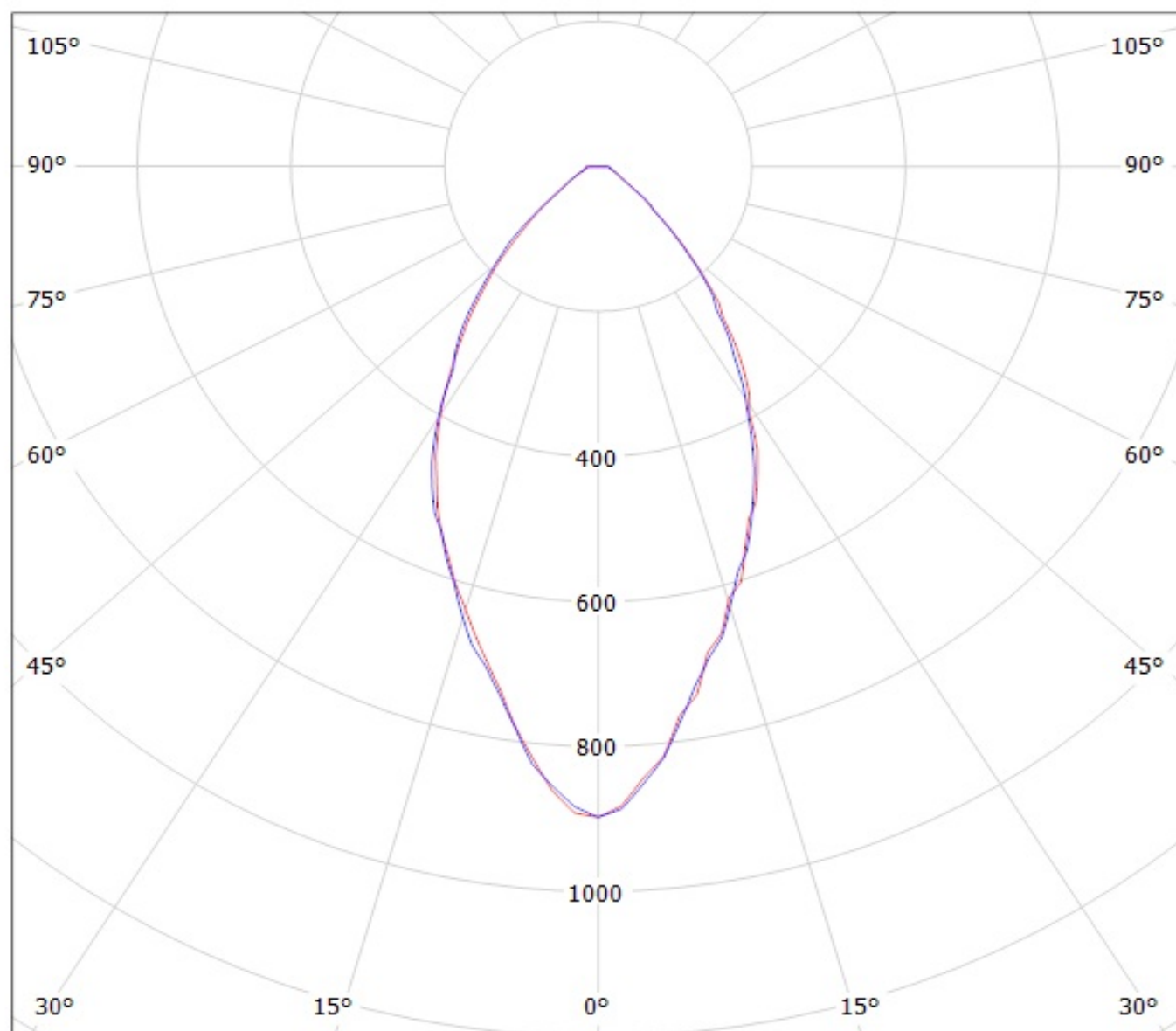


cd/klm

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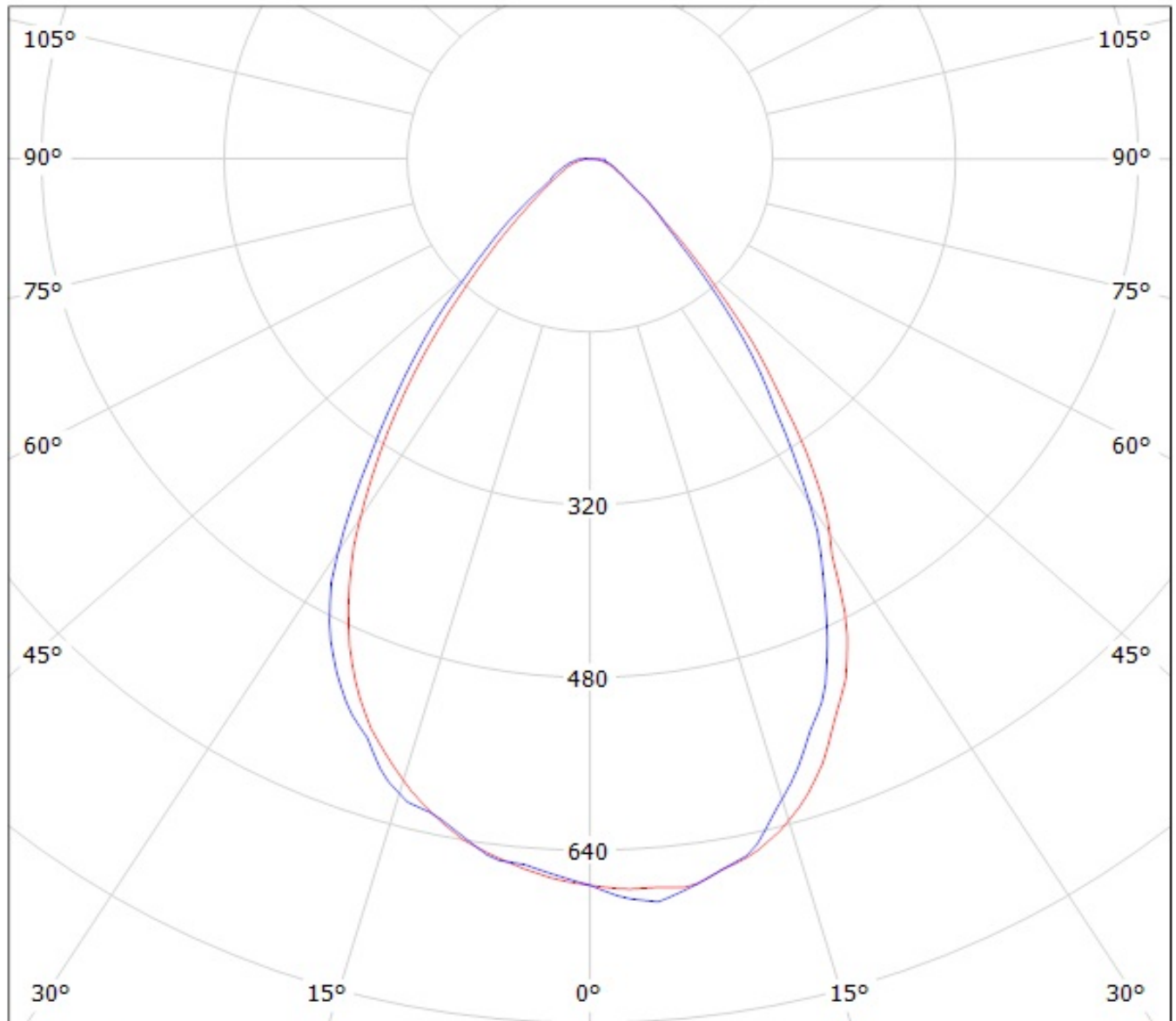


cd/klm

— C0 - C180

— C90 - C270

Luminaire: Ledil Oy CA12428_TINA3-WWW (Cree XT-E 98lm @ 250mA) Efficiency=85%
Lamps: 1 x Cree XT-E 98lm @ 250mA



cd/klm

— C0 - C180

— C90 - C270