


**Ordering number C12763\_FLARE-MINI-A**

Family	Flare	FWHM	16+95 degrees
Type	Lens	Efficiency	95 %
LED	XB-D	cd/lm	1.300
Color	Clear	Gerber File	Available
Diameter	16 mm		
Height	8.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Glue		
Status	Ready		

**Ordering number C12837\_FLARE-MINI-A-PIN**

Family	Flare	FWHM	16+95 degrees
Type	Lens	Efficiency	95 %
LED	XB-D	cd/lm	1.300
Color	Clear	Gerber File	Available
Diameter	16 mm		
Height	8.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

**Ordering number CA12764\_FLARE-MINI-A**

Family	Flare	FWHM	21+130 degrees
Type	Assembly	Efficiency	94 %
LED	XB-D	cd/lm	0.800
Color	Clear	Gerber File	Available
Diameter	16 mm		
Height	9.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Tape		
Status	Ready		


**Ordering number CA12838\_FLARE-MINI-A-PIN**

Family	Flare	FWHM	21+130 degrees
Type	Assembly	Efficiency	94 %
LED	XB-D	cd/lm	0.800
Color	Clear	Gerber File	Available
Diameter	16 mm		
Height	9.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, tape		
Status	Ready		


**Ordering number C13015\_FLARE-MINI-AD**

Family	Flare	FWHM	100+16 degrees
Type	Lens	Efficiency	93 %
LED	XB-D	cd/lm	1.200
Color	Clear	Gerber File	Available
Diameter	16 mm		
Height	8.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Glue		
Status	Ready		


**Ordering number C13016\_FLARE-MINI-AD-PIN**

Family	Flare	FWHM	100+16 degrees
Type	Lens	Efficiency	93 %
LED	XB-D	cd/lm	1.200
Color	Clear	Gerber File	Available
Diameter	16 mm		
Height	8.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		


**Ordering number CA13057\_FLARE-MINI-AD**

Family	Flare	FWHM	100+16 degrees
Type	Assembly	Efficiency	93 %
LED	XB-D	cd/lm	1.200
Color	Clear	Gerber File	Available
Diameter	16 mm		
Height	9.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Tape		
Status	Ready		


**Ordering number CA13058\_FLARE-MINI-AD-PIN**

Family	Flare	FWHM	100+16 degrees
Type	Assembly	Efficiency	93 %
LED	XB-D	cd/lm	1.200
Color	Clear	Gerber File	Available
Diameter	16 mm		
Height	9.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, tape		
Status	Ready		

**Ordering number CA10932**  
**Description 1**

Family	Flare	FWHM	10+108 degrees
Type	Assembly	Efficiency	93 %
LED	XB-D	cd/lm	1.520
Color	Clear	Gerber File	Available
Diameter	29 x 22.8 mm		
Height	12.84 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
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

### Flare series

last update 16/11/2012

#### GENERAL INFORMATION

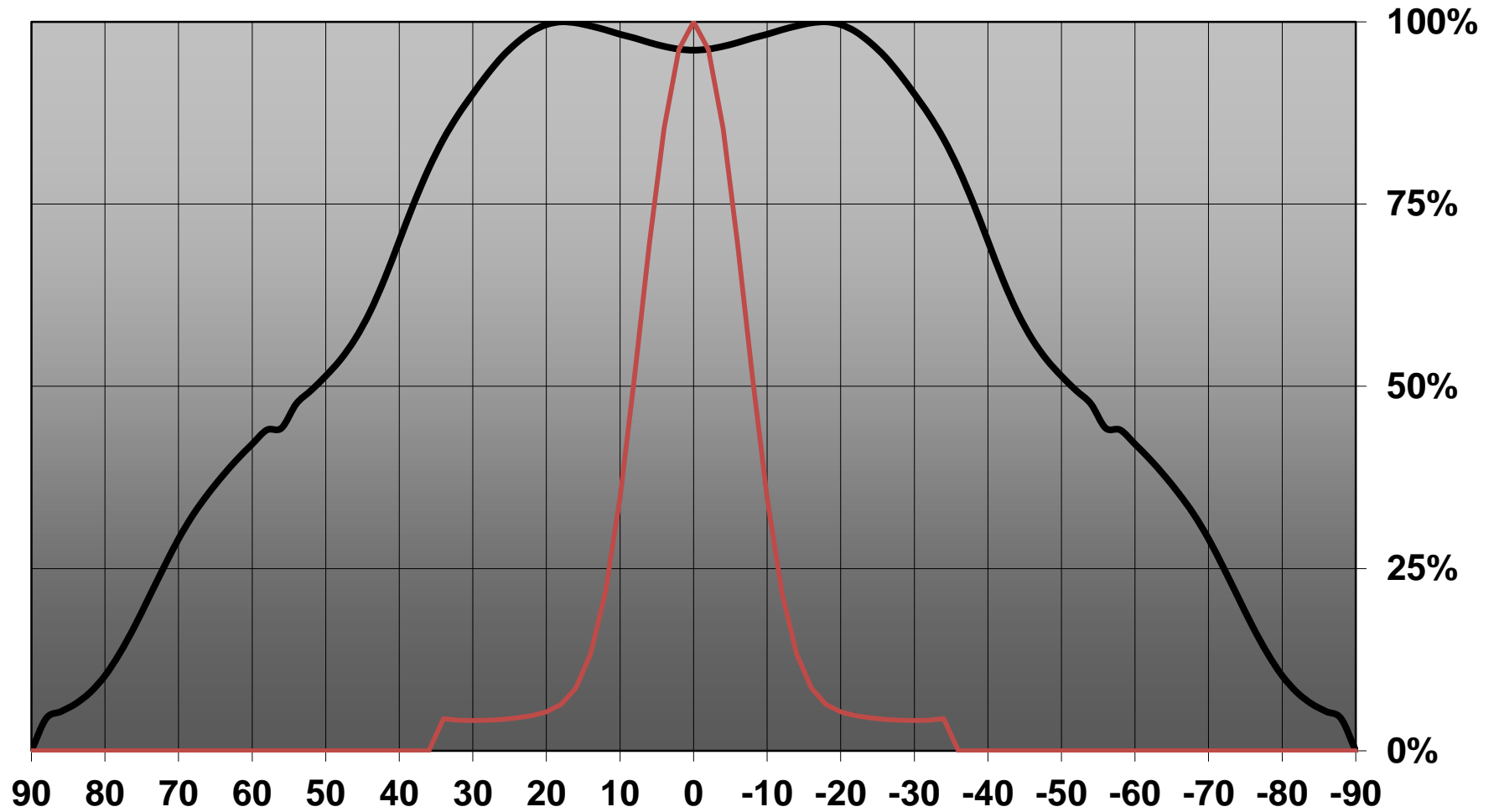
- Product series especially designed & optimized for XB-D series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

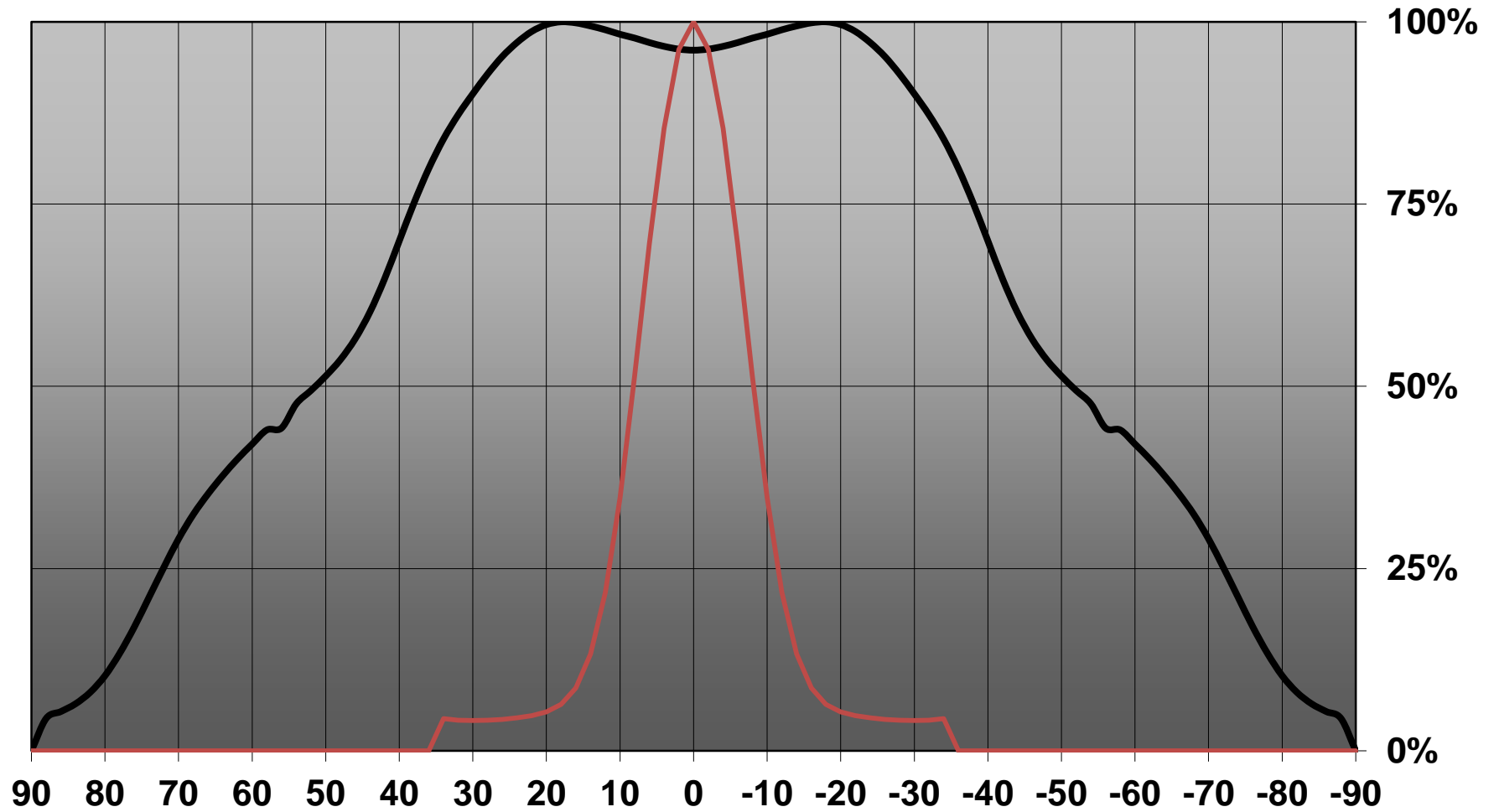
[http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94\\_Yellow%20Card.pdf](http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf)

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

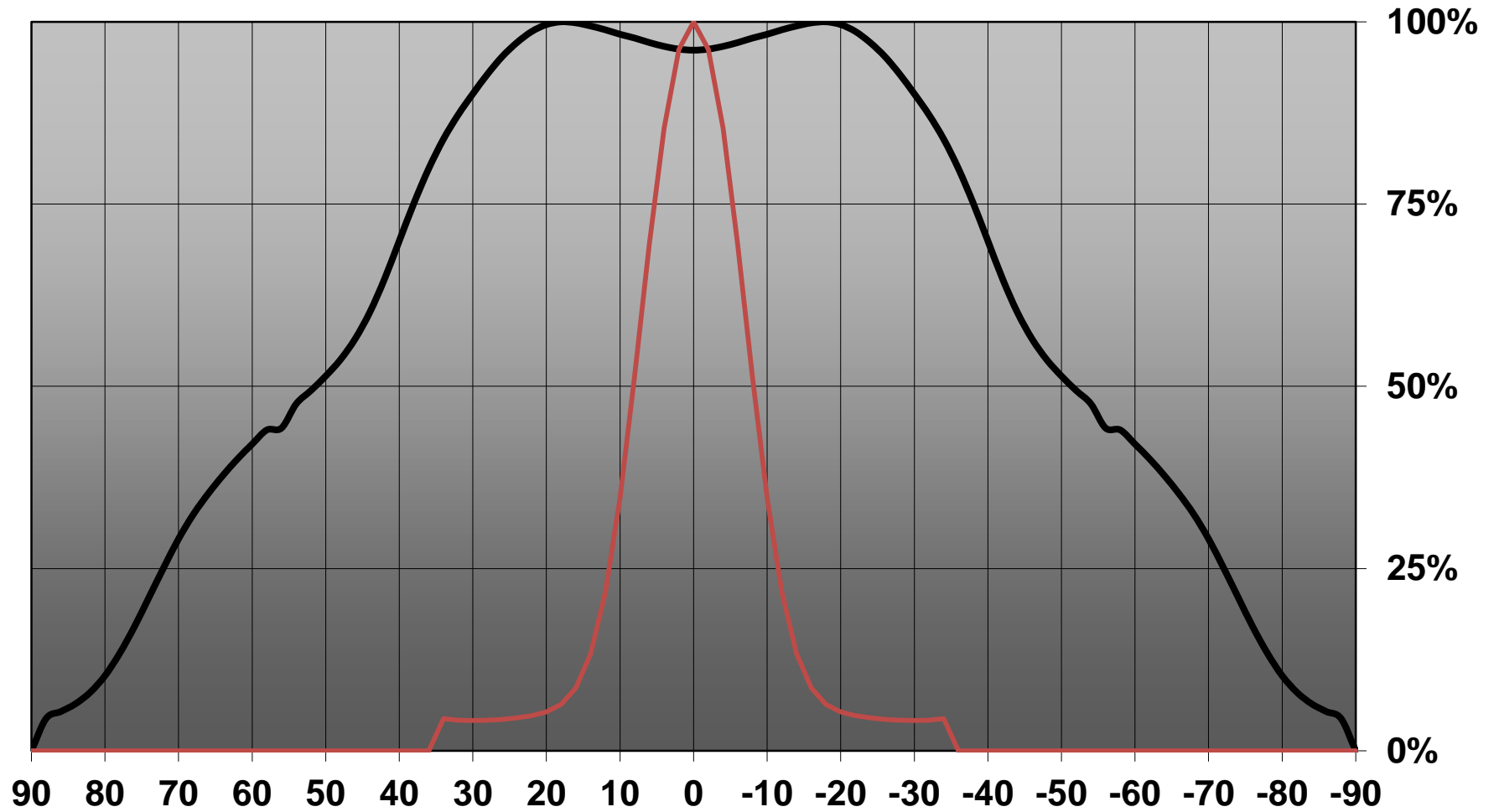
Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-XBD



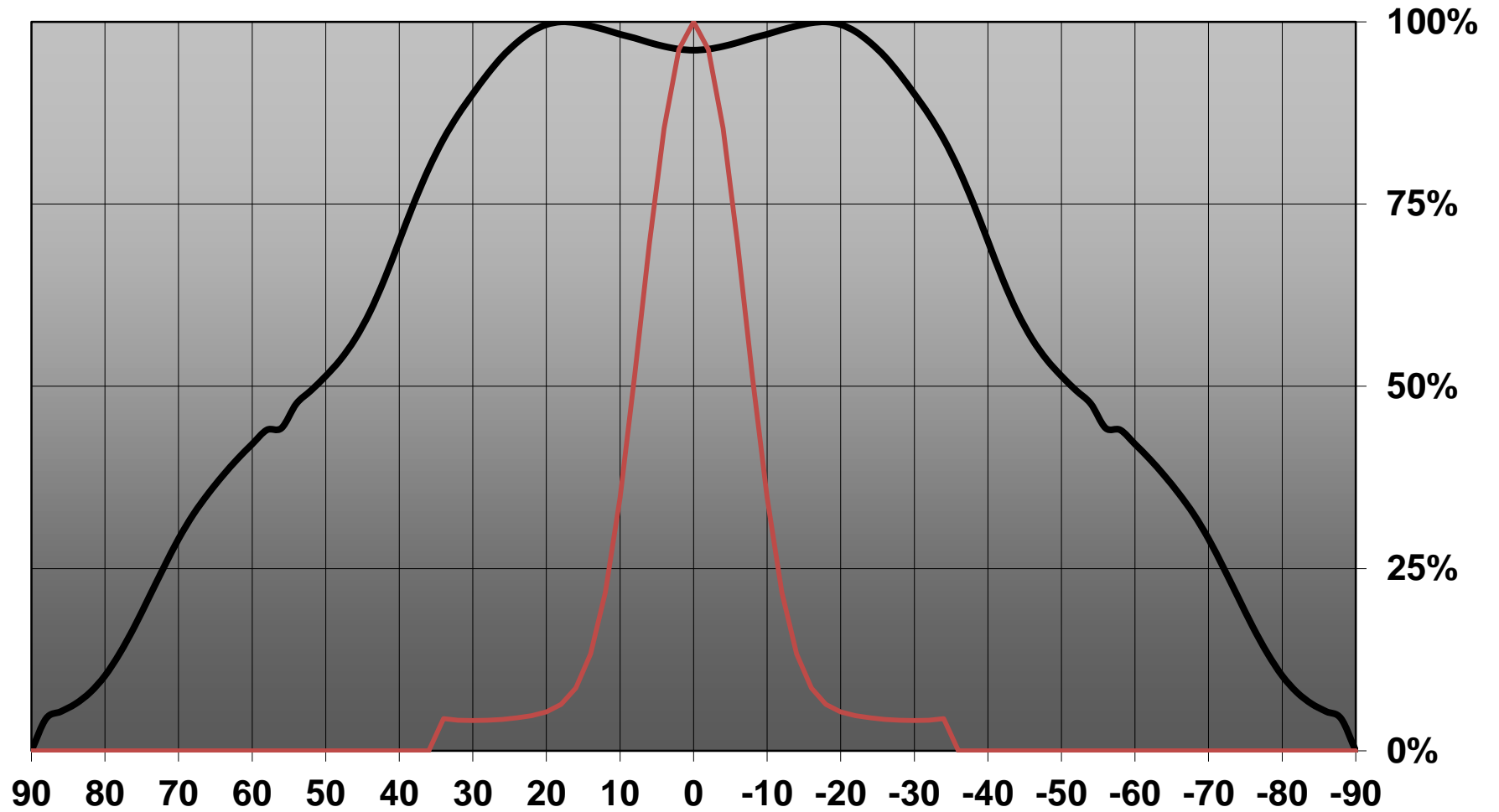
Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-XBD



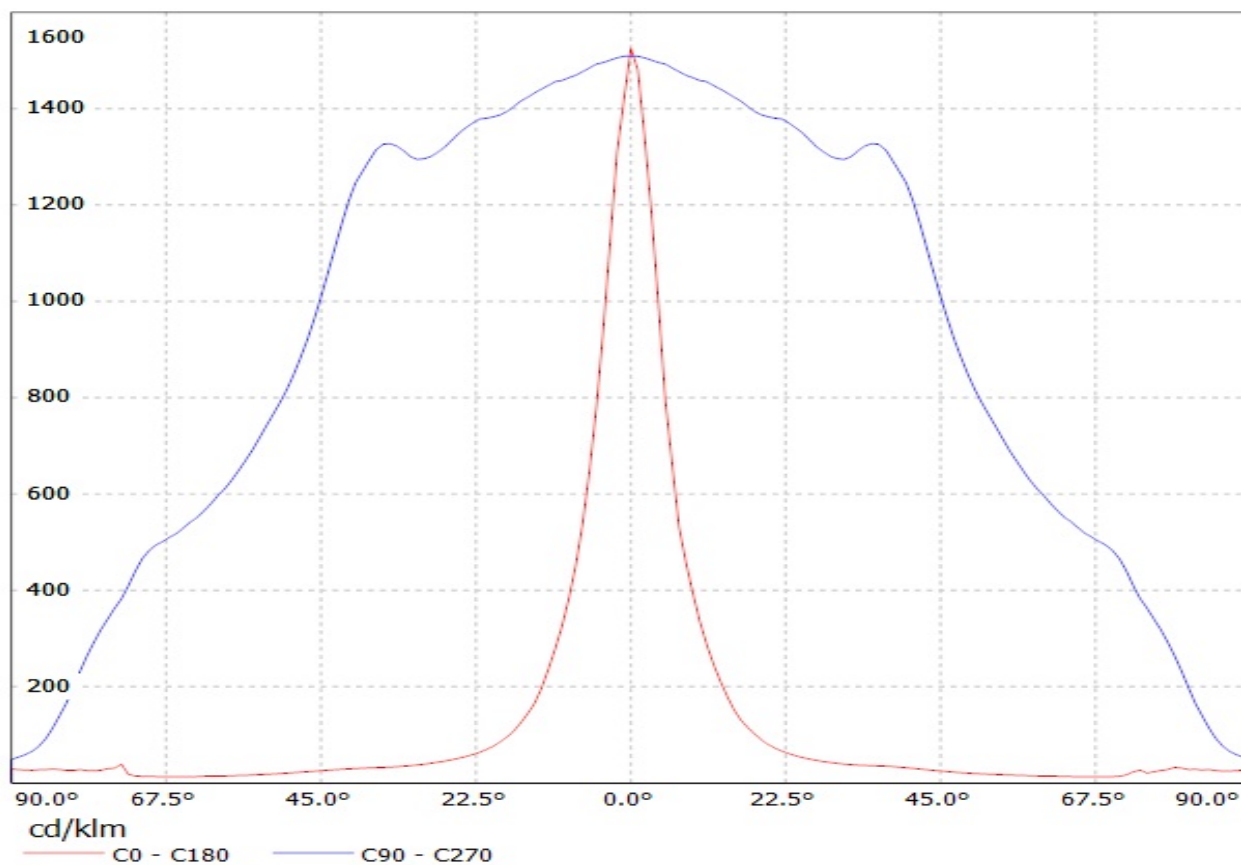
Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-XBD



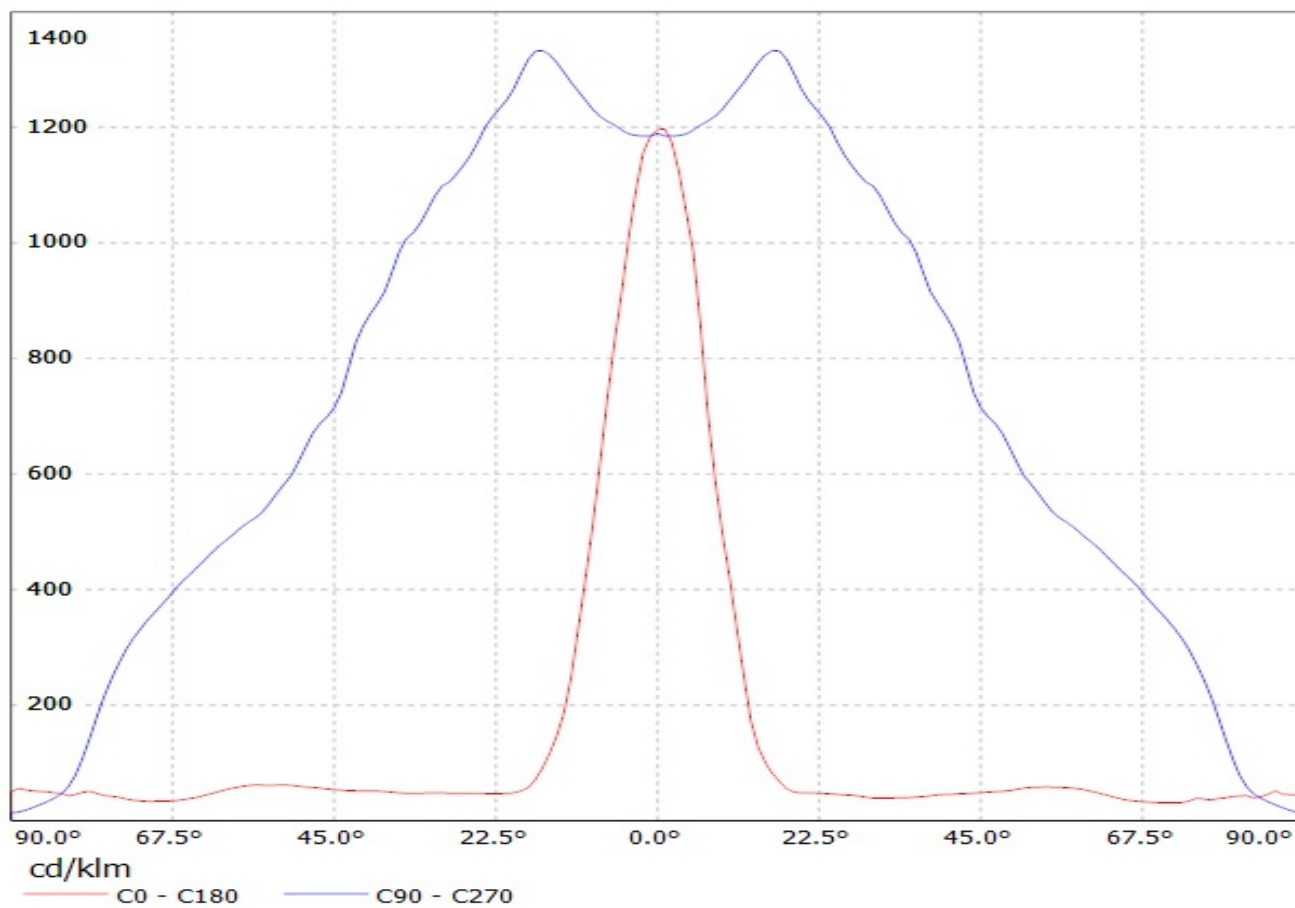
Relative intensity of CA13057&CA13058\_FLARE-MINI-AD-XBD



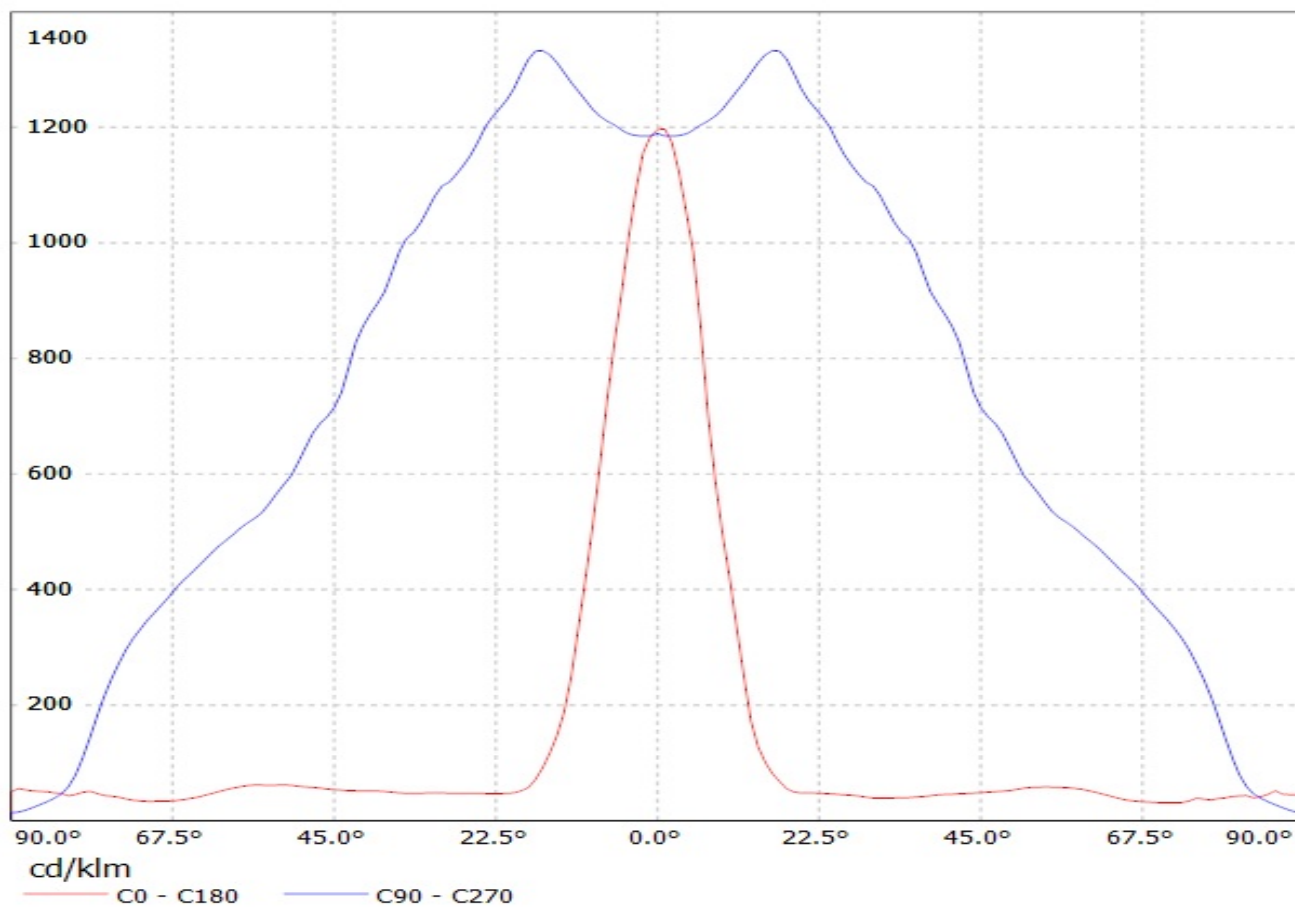
Luminaire: LEDIL OY CA10932\_FLARE-B (XB-D) Efficiency=93%  
Lamps: 1 x Cree XB-D white (97lm @ 250mA)



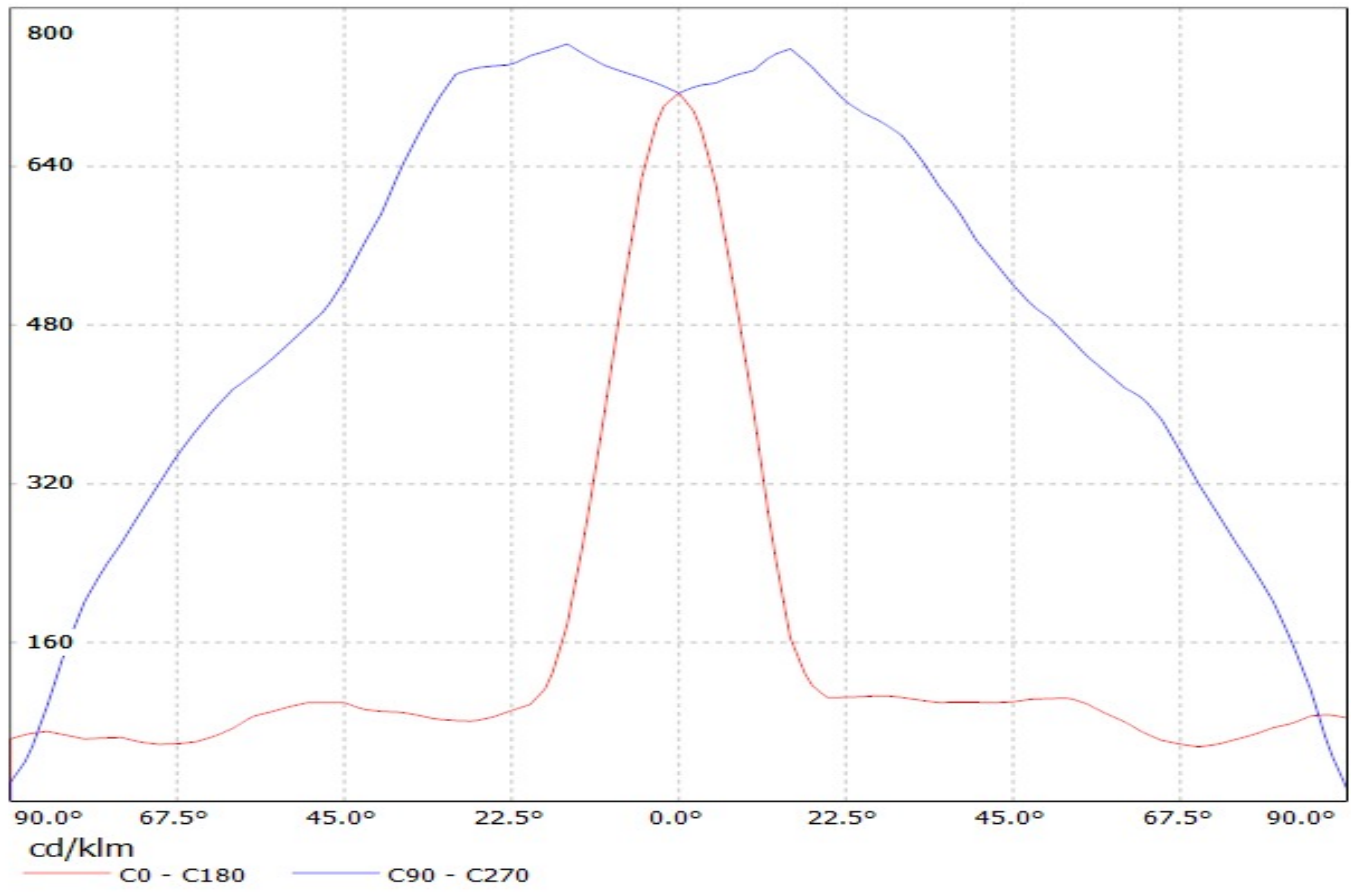
Luminaire: LEDIL OY C12763 & C12837\_FLARE-MINI-A (XB-D) Efficiency=95%  
Lamps: 1 x Cree XB-D white (97lm @ 250mA)



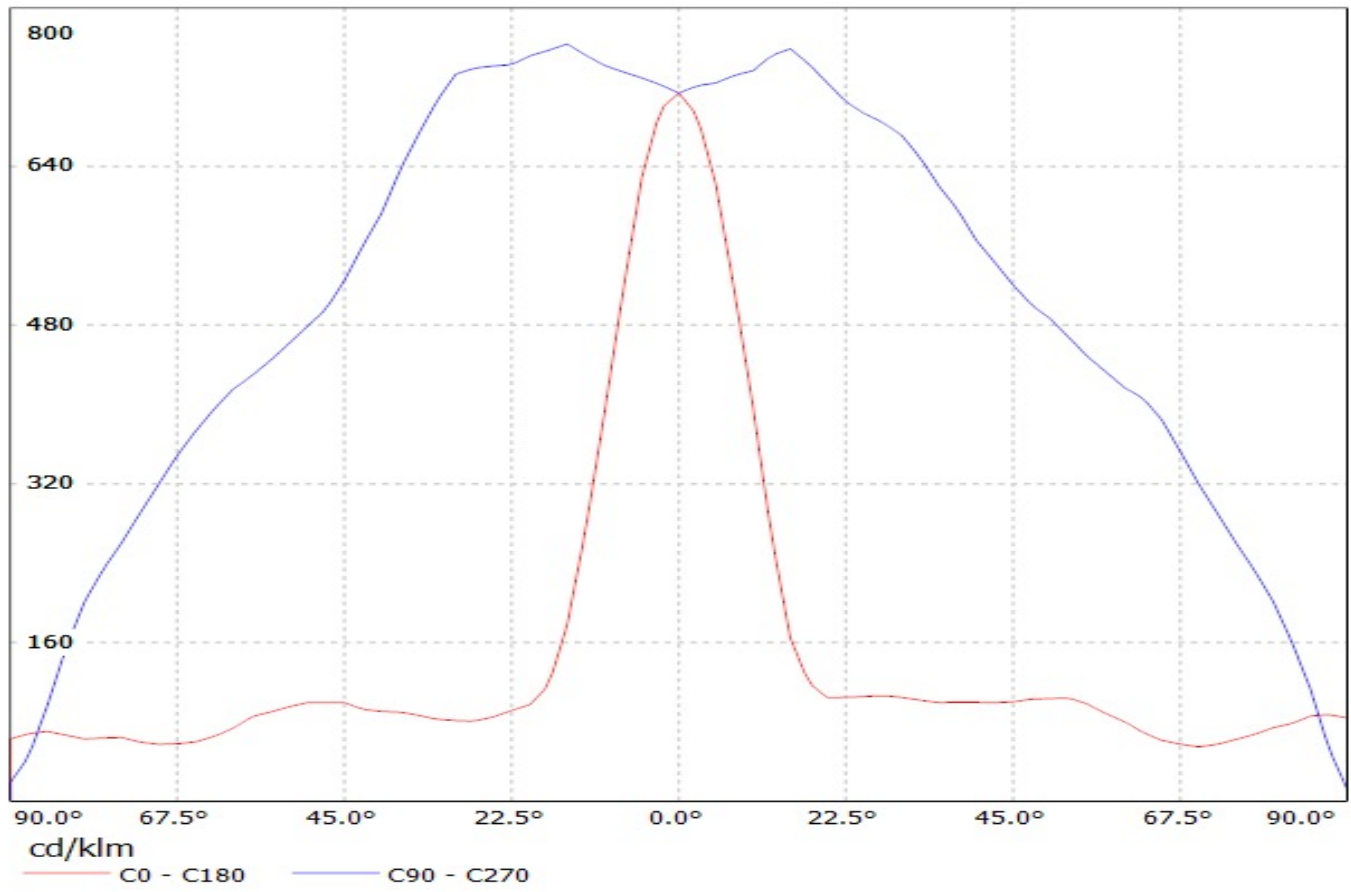
Luminaire: LEDIL OY C12763 & C12837\_FLARE-MINI-A (XB-D) Efficiency=95%  
Lamps: 1 x Cree XB-D white (97lm @ 250mA)



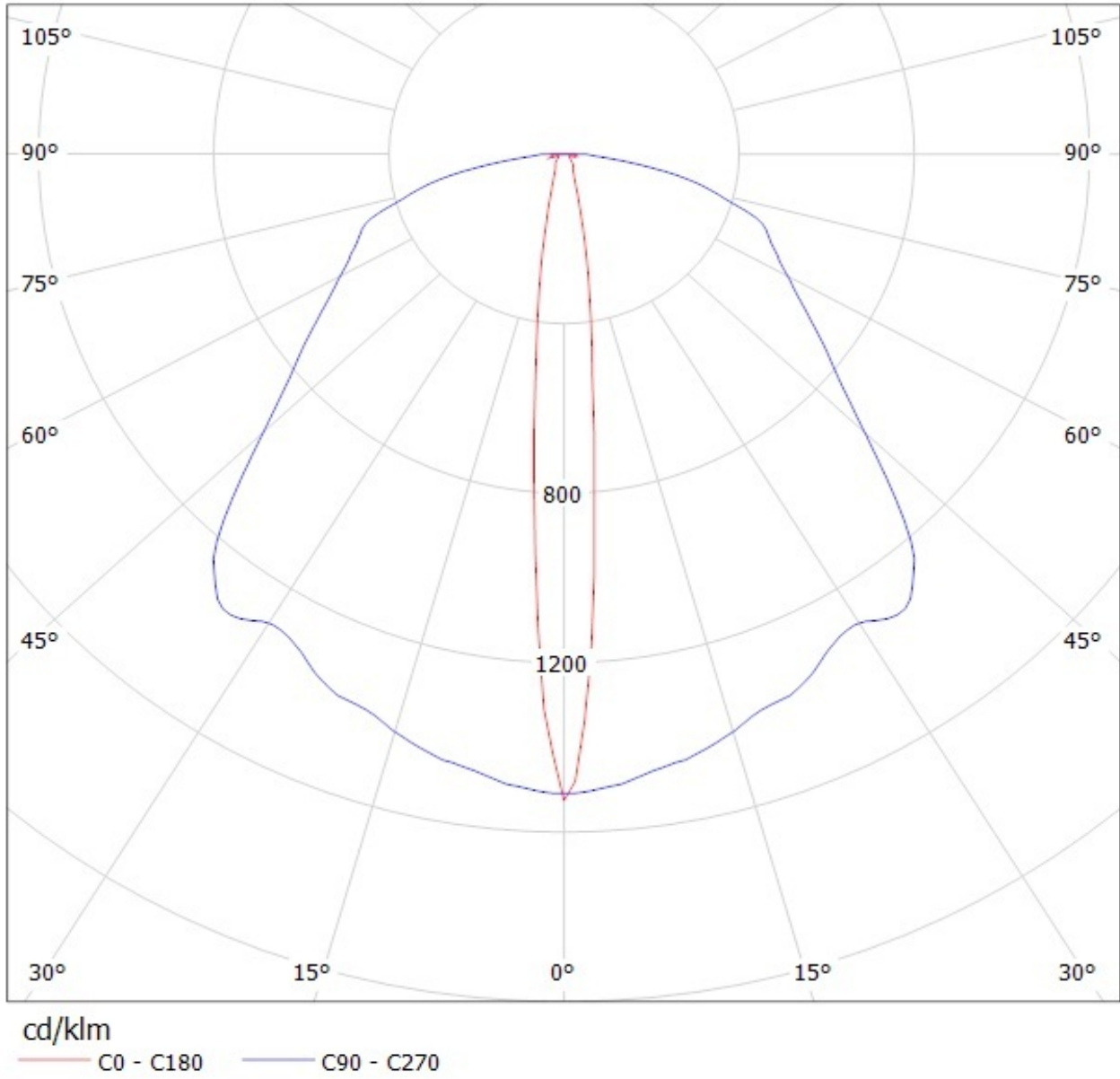
Luminaire: Ledil Oy CA12764&CA12838\_FLARE-MINI-A (Cree XB-D 94lm @ 250mA) Efficiency=94%  
Lamps: 1 x Cree XB-D 94lm @ 250mA



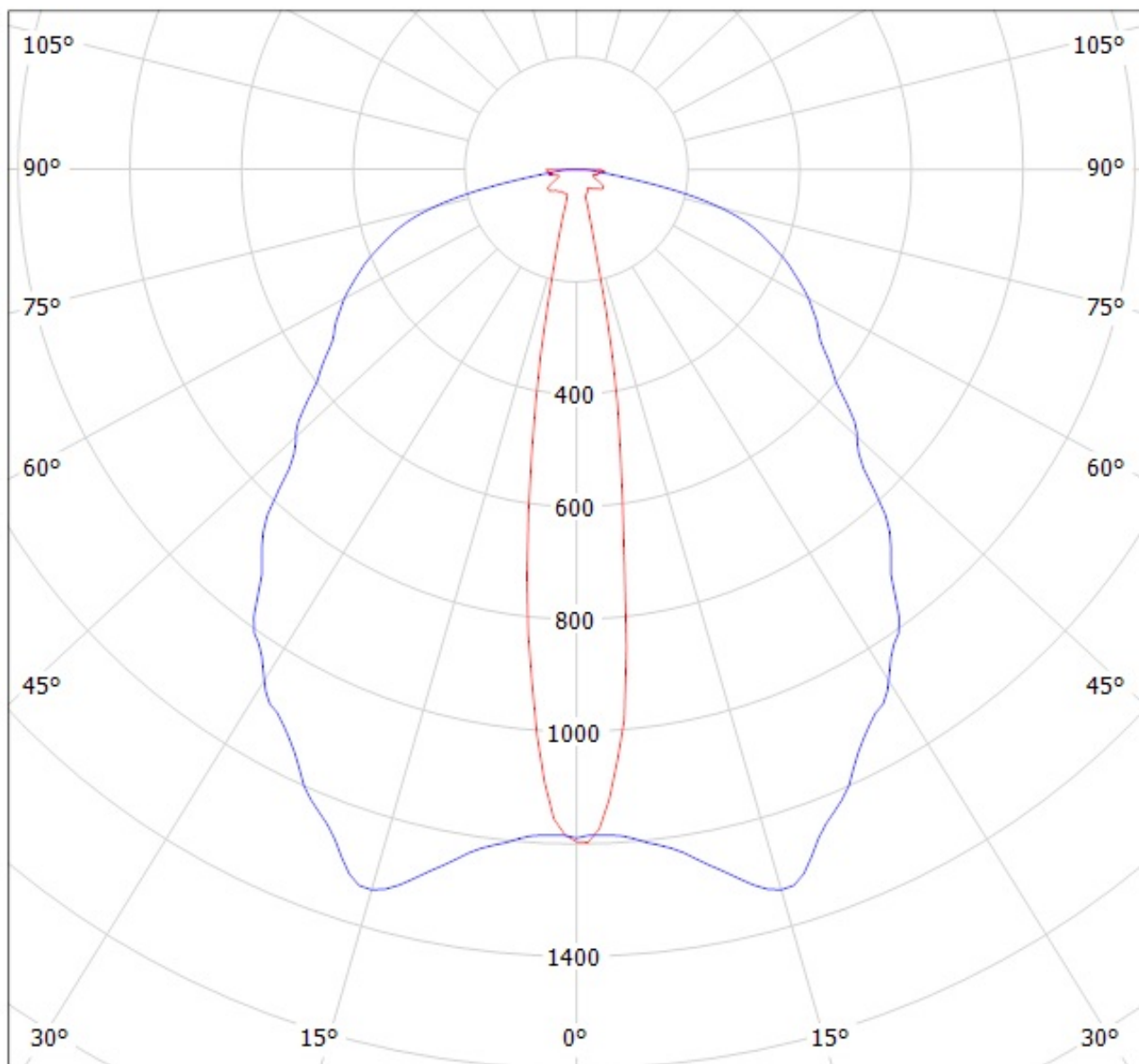
Luminaire: Ledil Oy CA12764&CA12838\_FLARE-MINI-A (Cree XB-D 94lm @ 250mA) Efficiency=94%  
Lamps: 1 x Cree XB-D 94lm @ 250mA



Luminaire: LEDIL OY CA10932\_FLARE-B (XB-D) Efficiency=93%  
Lamps: 1 x Cree XB-D white (97lm @ 250mA)



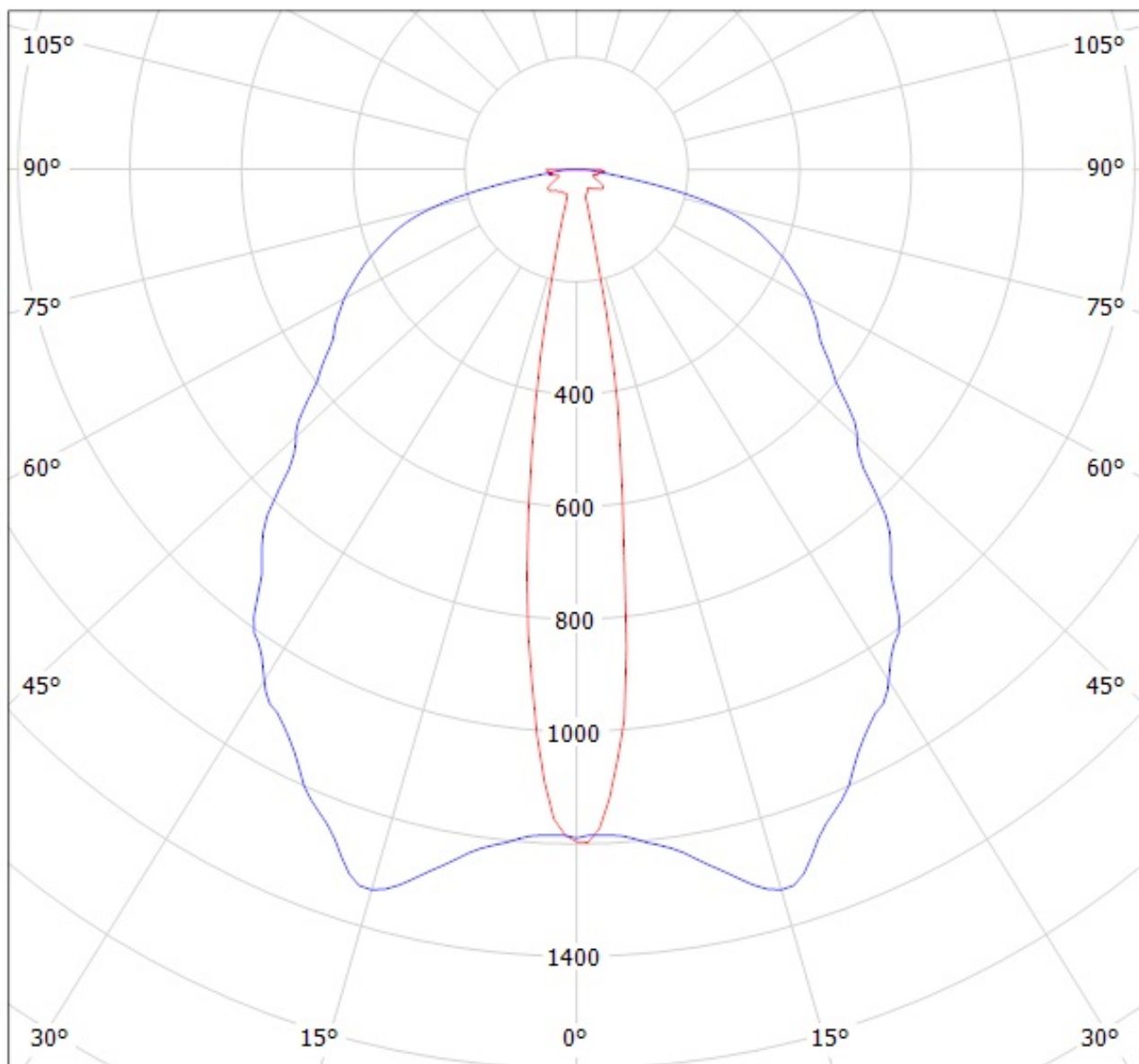
Luminaire: LEDIL OY C12763 & C12837\_FLARE-MINI-A (XB-D) Efficiency=95%  
Lamps: 1 x Cree XB-D white (97lm @ 250mA)



cd/klm

— C0 - C180    — C90 - C270

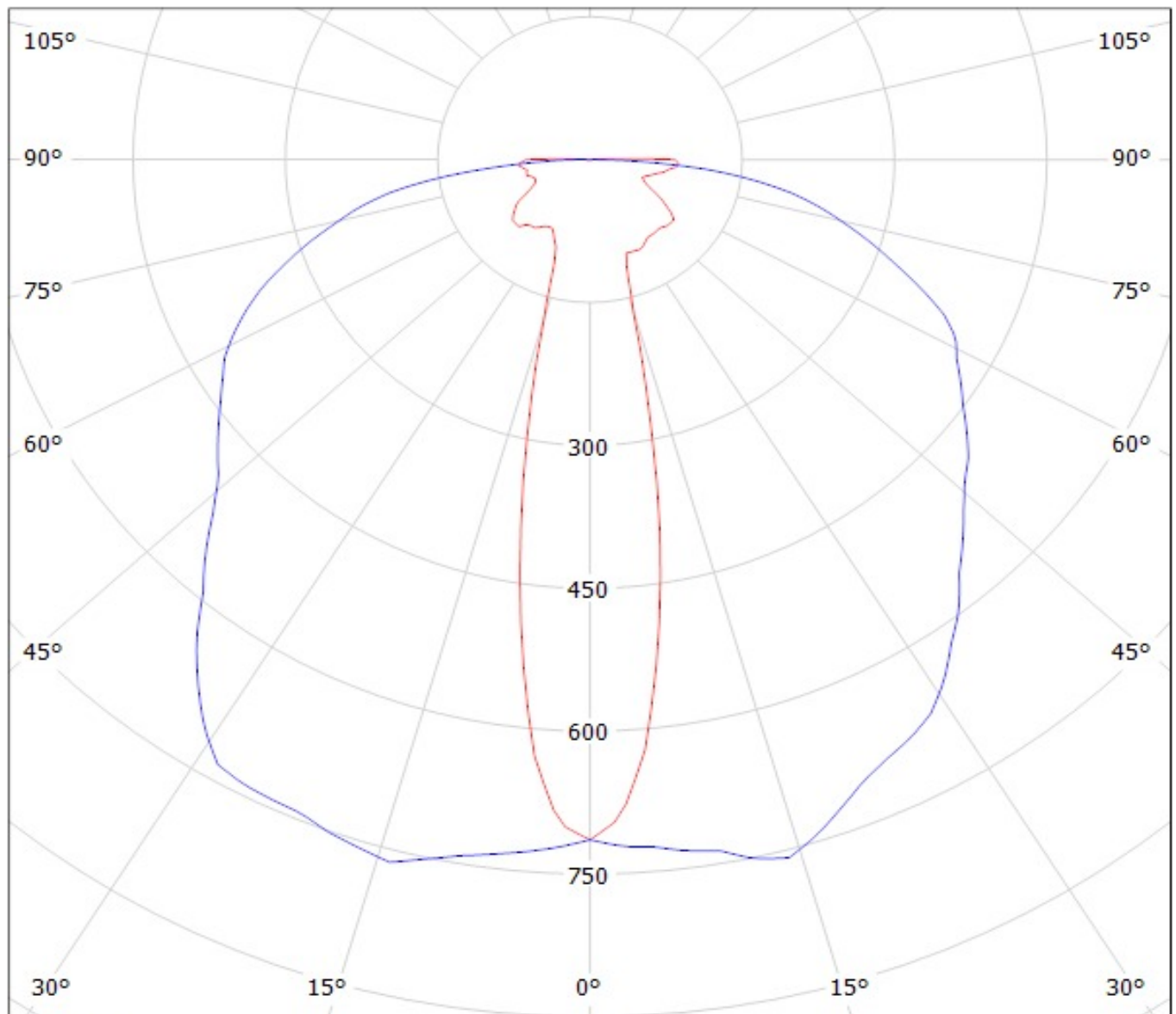
Luminaire: LEDIL OY C12763 & C12837\_FLARE-MINI-A (XB-D) Efficiency=95%  
Lamps: 1 x Cree XB-D white (97lm @ 250mA)



cd/klm

— C0 - C180    — C90 - C270

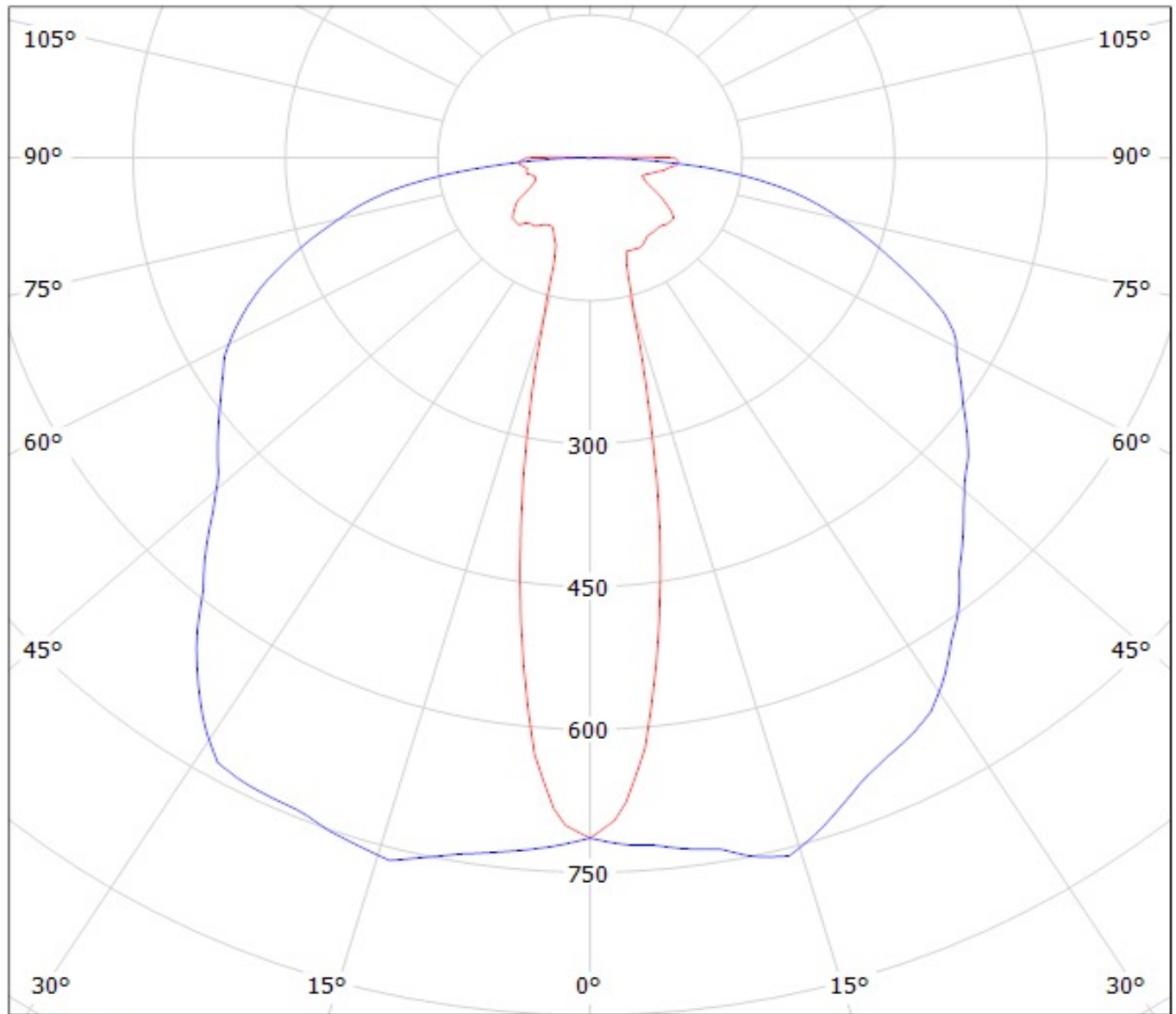
Luminaire: Ledil Oy CA12764&CA12838\_FLARE-MINI-A (Cree XB-D 94lm @ 250mA) Efficiency=94%  
Lamps: 1 x Cree XB-D 94lm @ 250mA



cd/klm

— C0 - C180    — C90 - C270

Luminaire: Ledil Oy CA12764&CA12838\_FLARE-MINI-A (Cree XB-D 94lm @ 250mA) Efficiency=94%  
Lamps: 1 x Cree XB-D 94lm @ 250mA



cd/klm

— C0 - C180    — C90 - C270