

**Product number C13490\_HB-5X1-FLAT-W**

Family High Bay  
 Type Lens array  
 LED XT-E  
 Color Clear  
 Diameter 123 + 25 mm  
 Height 8.5 mm  
 Style Rectang  
 Optic Material PMMA  
 Holder Material -  
 Fastening Screw, pin, glue  
 Status On production

FWHM (simulated) 50  
 Efficiency -  
 cd/Im (simulated) 0.000  
 Gerber File Available

Otherwise same as C12345\_HB-5X1-W but bottom structure is flat allowing more freedom in PCB design.

**Product number C13233\_HB-2X2-M**

Family High Bay  
 Type Lens array  
 LED XT-E  
 Color Clear  
 Diameter 50x50 mm  
 Height 8.5 mm  
 Style Square  
 Optic Material PMMA  
 Holder Material -  
 Fastening Screw, pin, glue  
 Status On production

FWHM 25 degrees  
 Efficiency 92 %  
 cd/Im 3.700  
 Gerber File Available

**Product number C13239\_HB-2X2-M-BLIND**

Family High Bay  
 Type Lens array  
 LED XT-E  
 Color Clear  
 Diameter 50x50 mm  
 Height 8.5 mm  
 Style Square  
 Optic Material PMMA  
 Holder Material -  
 Fastening Pin, glue  
 Status On production

FWHM 25 degrees  
 Efficiency 92 %  
 cd/Im 3.700  
 Gerber File Available

**Product number C13605\_HB-2X2-RW**

Family High Bay  
 Type Lens array  
 LED XT-E  
 Color Clear  
 Diameter 50x50 mm  
 Height 8.5 mm  
 Style Square  
 Optic Material PMMA  
 Holder Material -  
 Fastening Screw, pin, glue  
 Status On production

FWHM 44 degrees  
 Efficiency 91 %  
 cd/Im 1.600  
 Gerber File Available

Wide light pattern between C13233\_HB-2X2-M and C13232\_HB-2X2-WW beam angles.

**Product number C12345\_HB-5X1-W**

Family	High Bay	FWHM	50 degrees
Type	Lens array	Efficiency	87 %
LED	XT-E	cd/Im	1.050
Color	Clear	Gerber File	Available
Diameter	123 + 25 mm		
Height	9 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, pin, glue		
Status	On production		

**Product number C12361\_HB-2X2-W**

Family	High Bay	FWHM	50 degrees
Type	Lens array	Efficiency	87 %
LED	XT-E	cd/Im	0.970
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	8.5 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, pin, glue		
Status	On production		

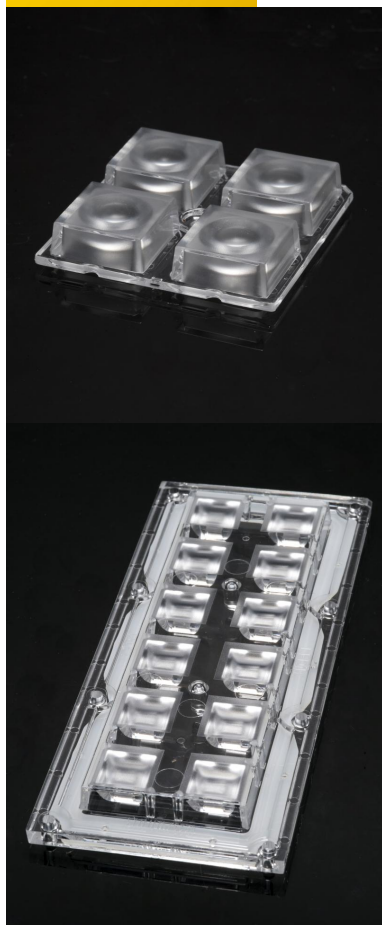
**Product number CS14130\_HB-IP-2X6-W**

Family	High Bay	FWHM	58 degrees
Type	Assembly	Efficiency	94 %
LED	XT-E	cd/Im	0.870
Color	White	Gerber File	Available
Diameter	173 + 71.4 mm		
Height	11.4 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, pin		
Status	On production		

Wide square shaped light distribution. Developed especially for high bay applications.

**Product number C13232\_HB-2X2-WW**

Family	High Bay	FWHM	65 degrees
Type	Lens array	Efficiency	91 %
LED	XT-E	cd/Im	0.900
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	8.5 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, pin, glue		
Status	On production		

**Product number C13237\_HB-2X2-WW-BLIND**

Family	High Bay	FWHM	65 degrees
Type	Lens array	Efficiency	91 %
LED	XT-E	cd/Im	0.900
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	8.5 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	On production		

**Product number CS14263\_HB-IP-2X6-WWW**

Family	High Bay	FWHM	98 degrees
Type	Assembly	Efficiency	94 %
LED	XT-E	cd/Im	0.380
Color	Clear	Gerber File	Available
Diameter	71.4 x 173 mm		
Height	11.39 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw		
Status	On production		

**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

## High Bay series

last update 21/5/2014



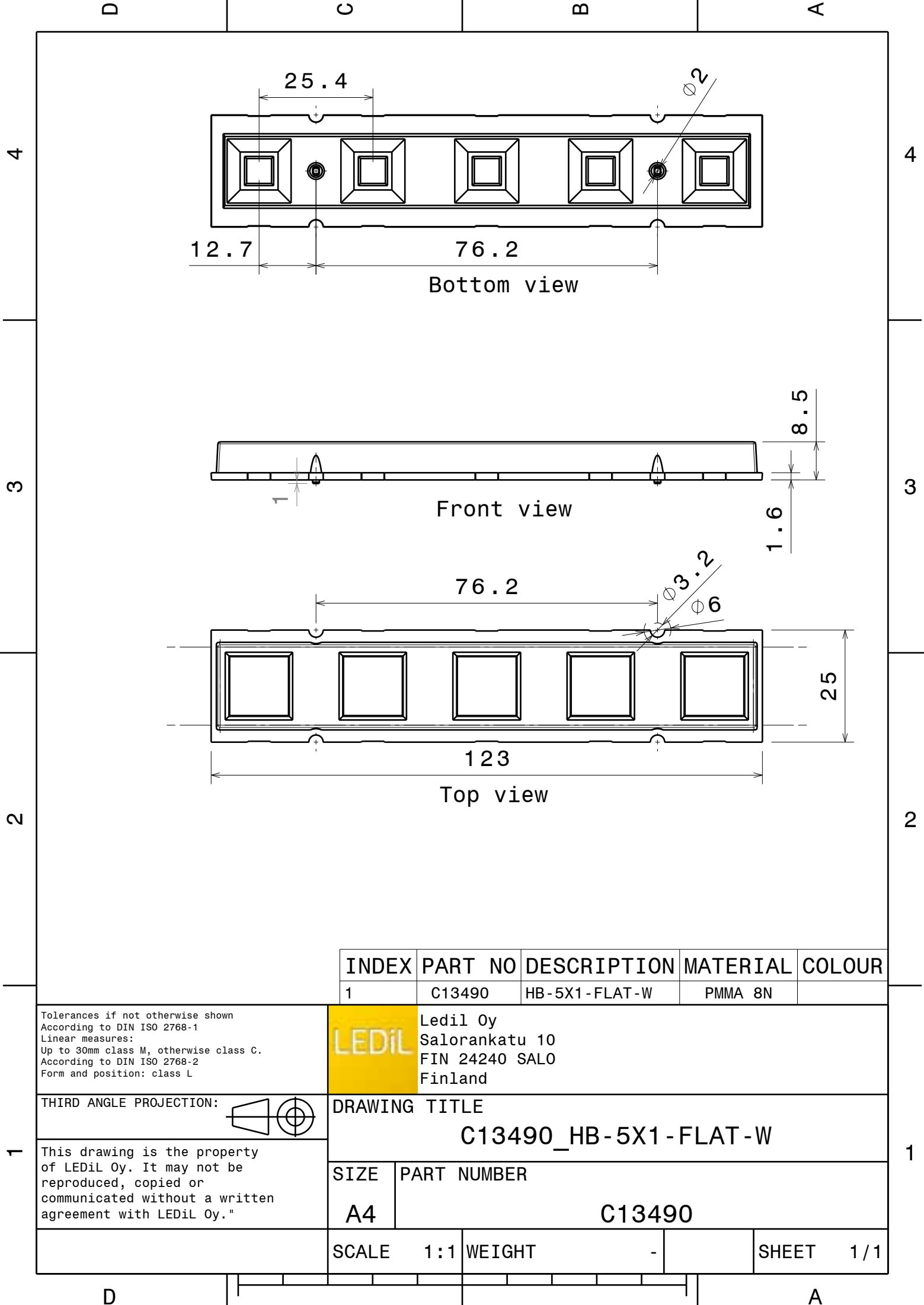
### GENERAL INFORMATION

- 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.

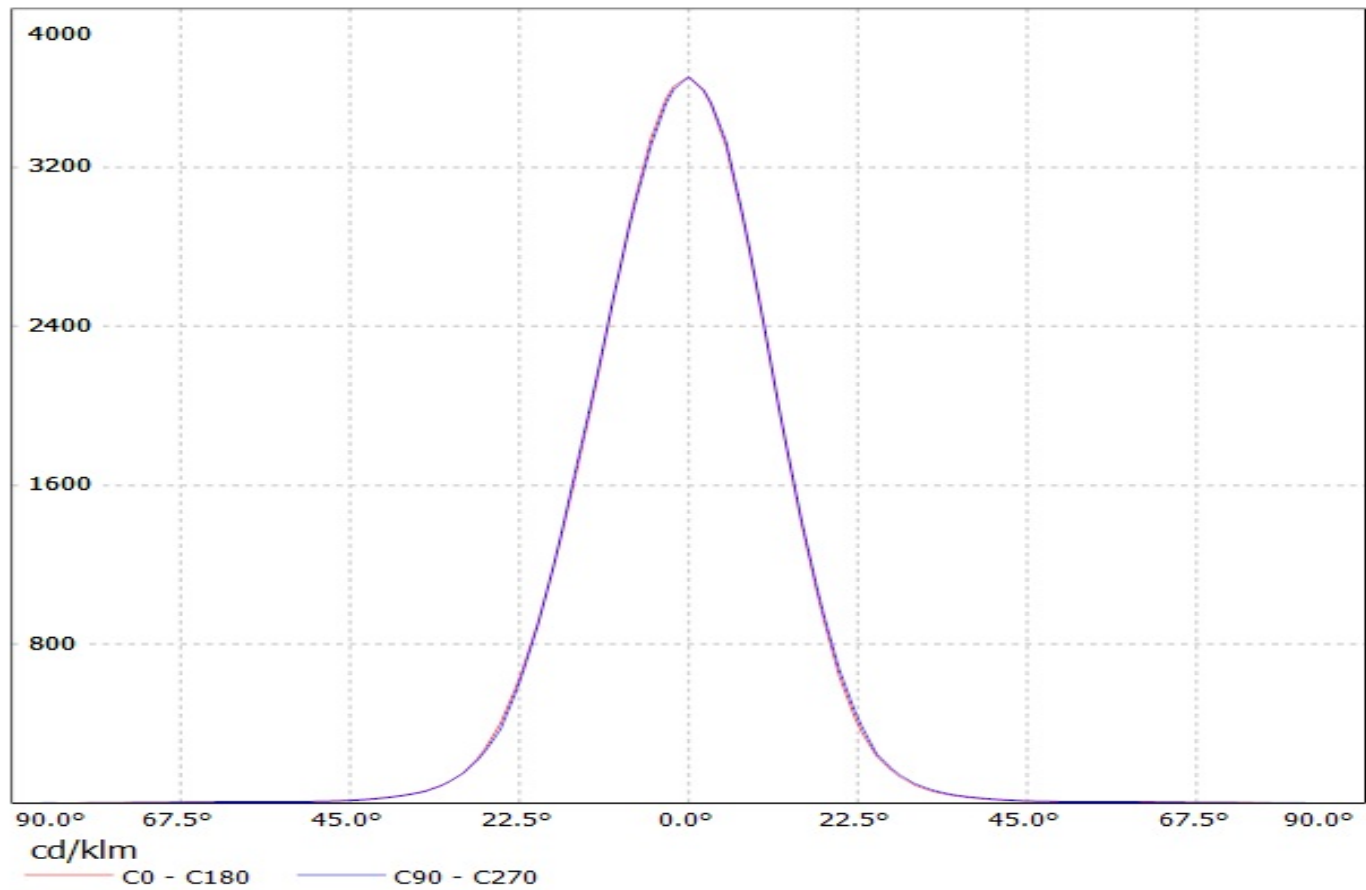
Please find more information about used material from below:

[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%20UL94_Yellow%20Card.pdf)

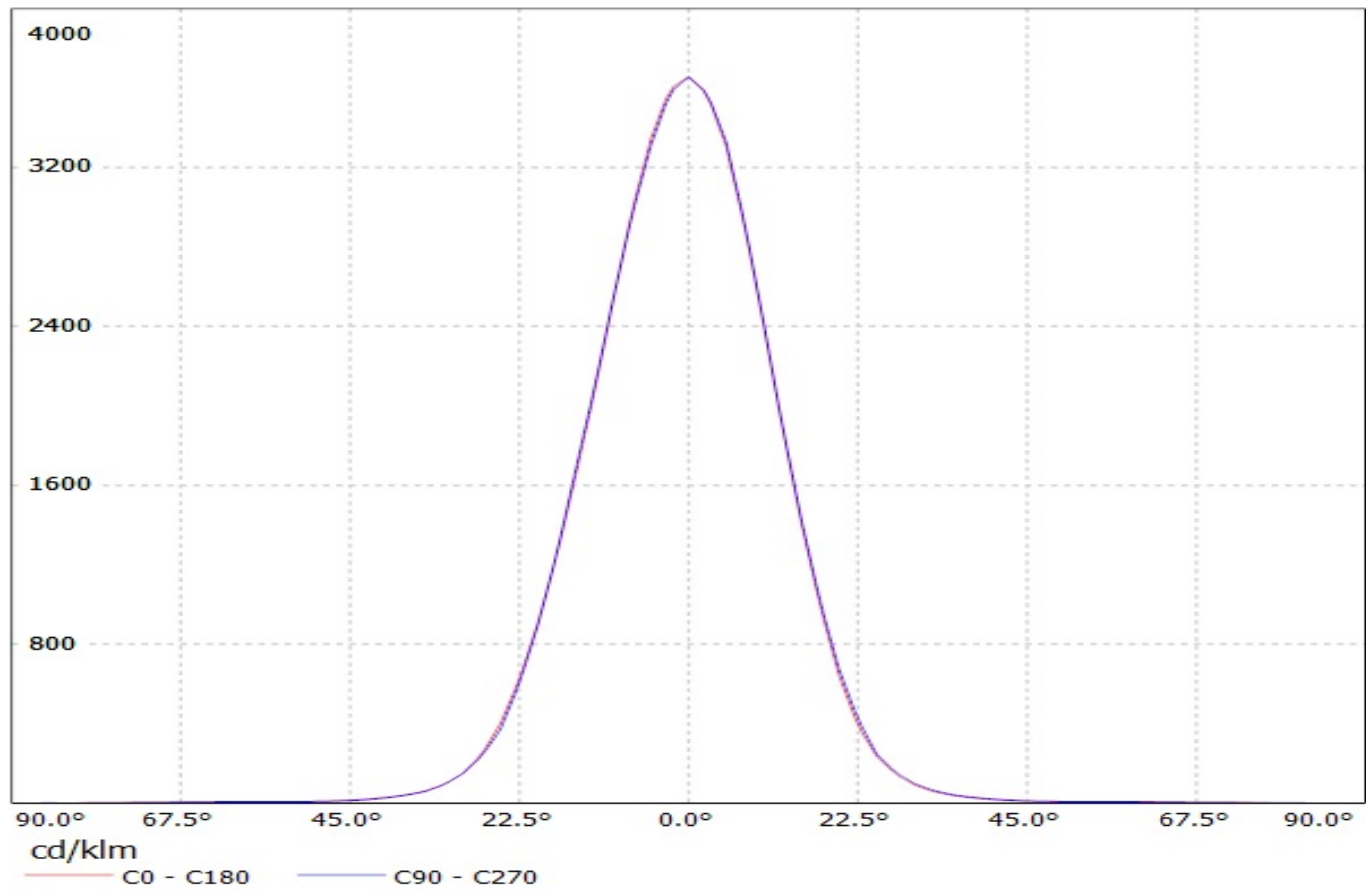
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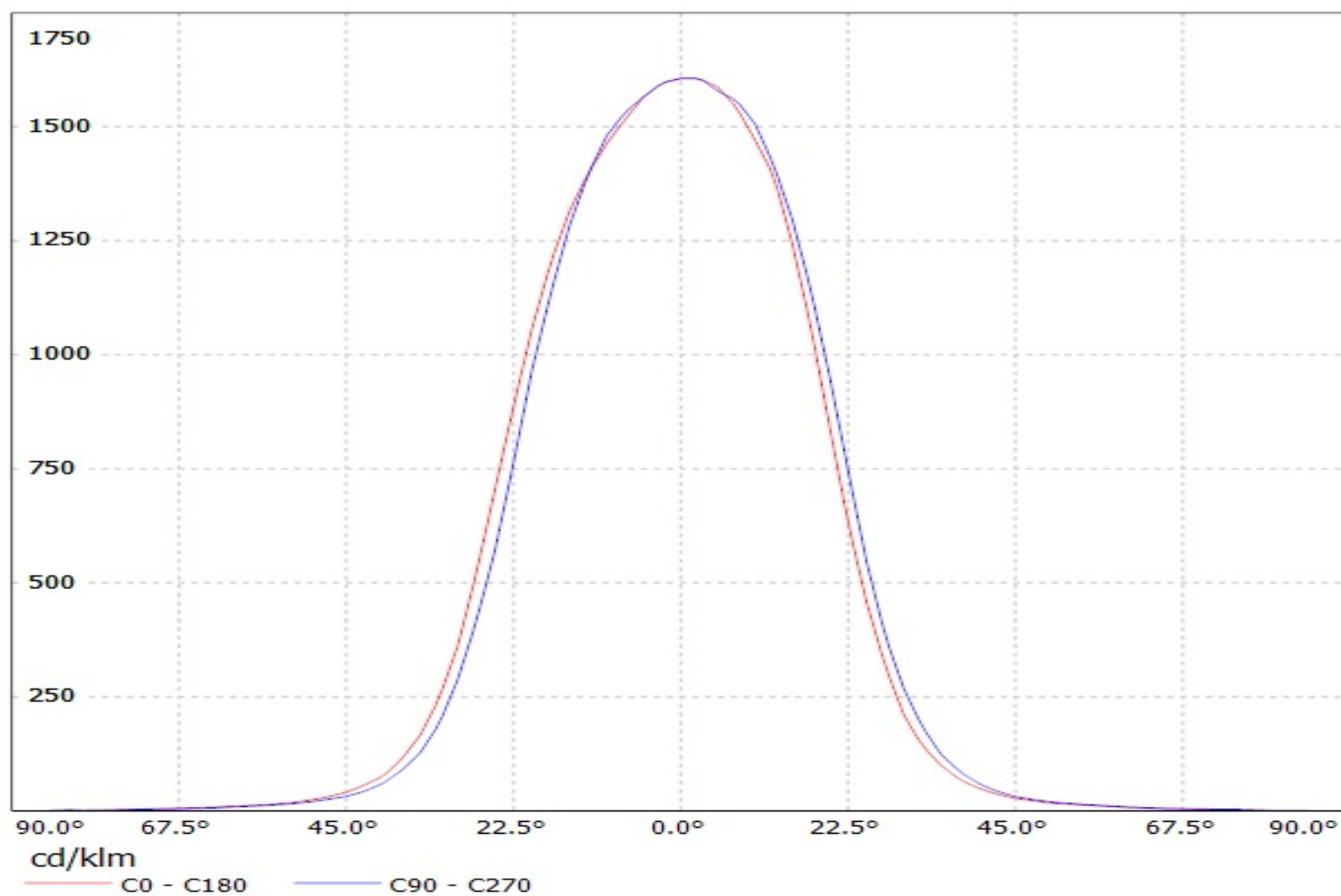
Luminaire: Ledil Oy C13233\_HB-2x2-M (Cree XT-E 390lm @ 250mA) Efficiency=92%  
Lamps: 1 x Cree XT-E 390lm @ 250mA



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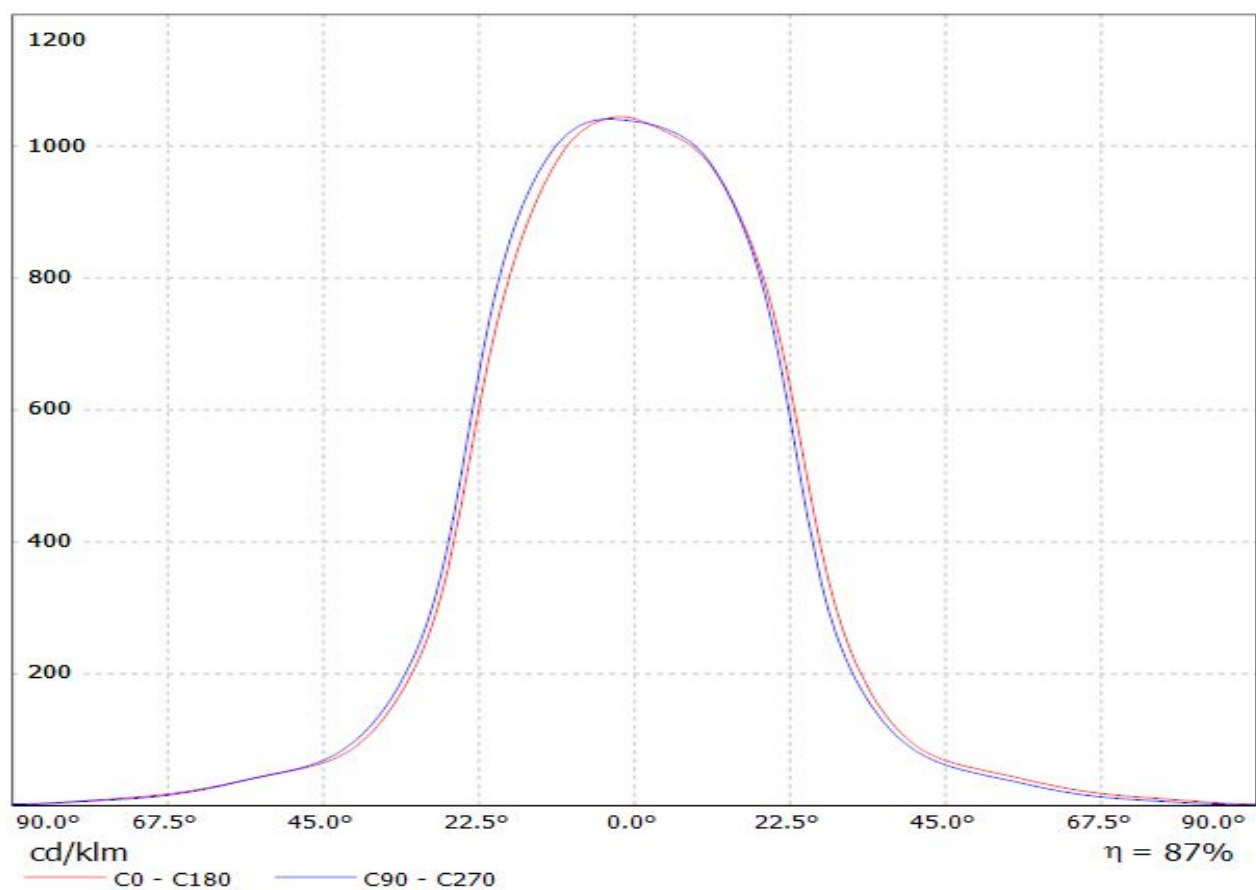


Luminaire: Ledil Oy C13605\_HB-2X2-RW (Cree XT-E 390lm @ 250mA) Efficiency=89%  
Lamps: 1 x Cree XT-E 390lm @ 250mA CCT=5717K P=3W I=250mA

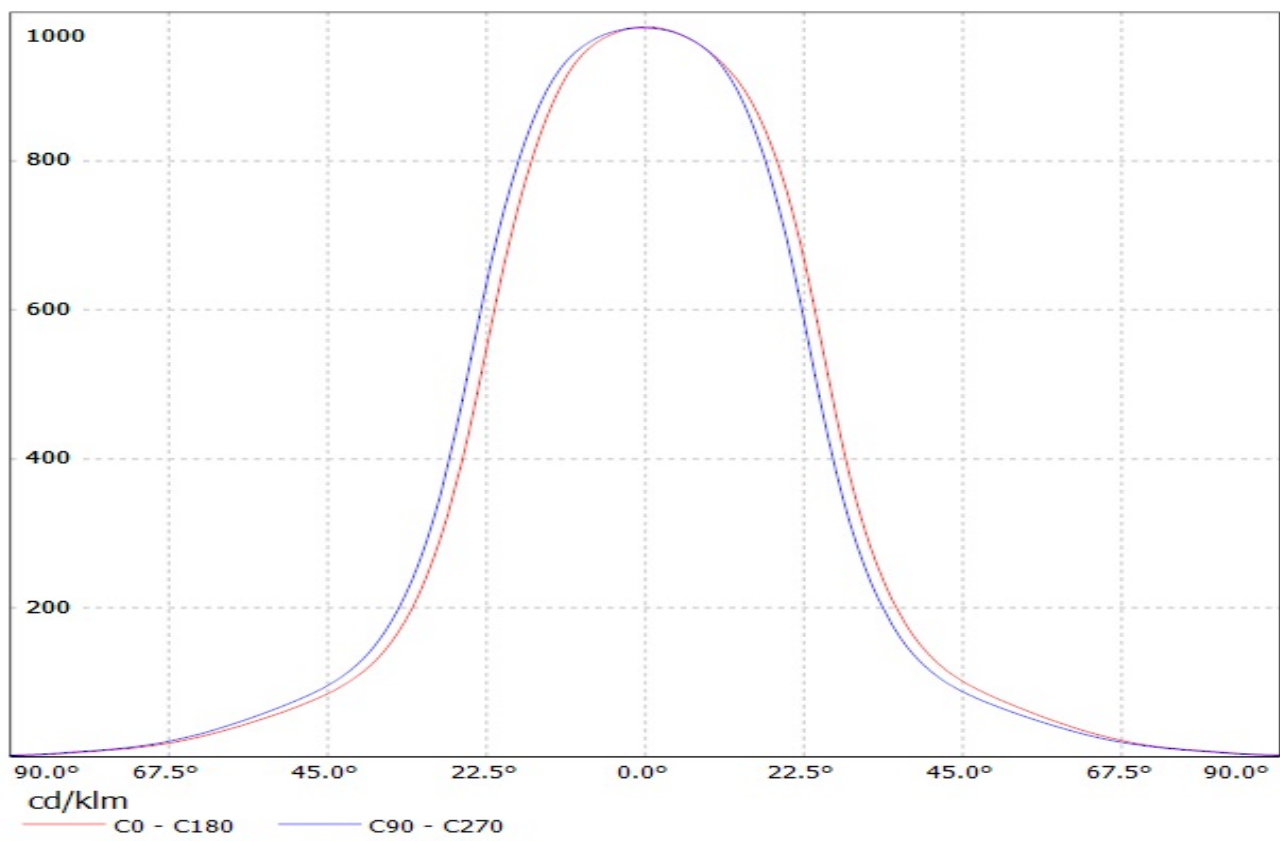




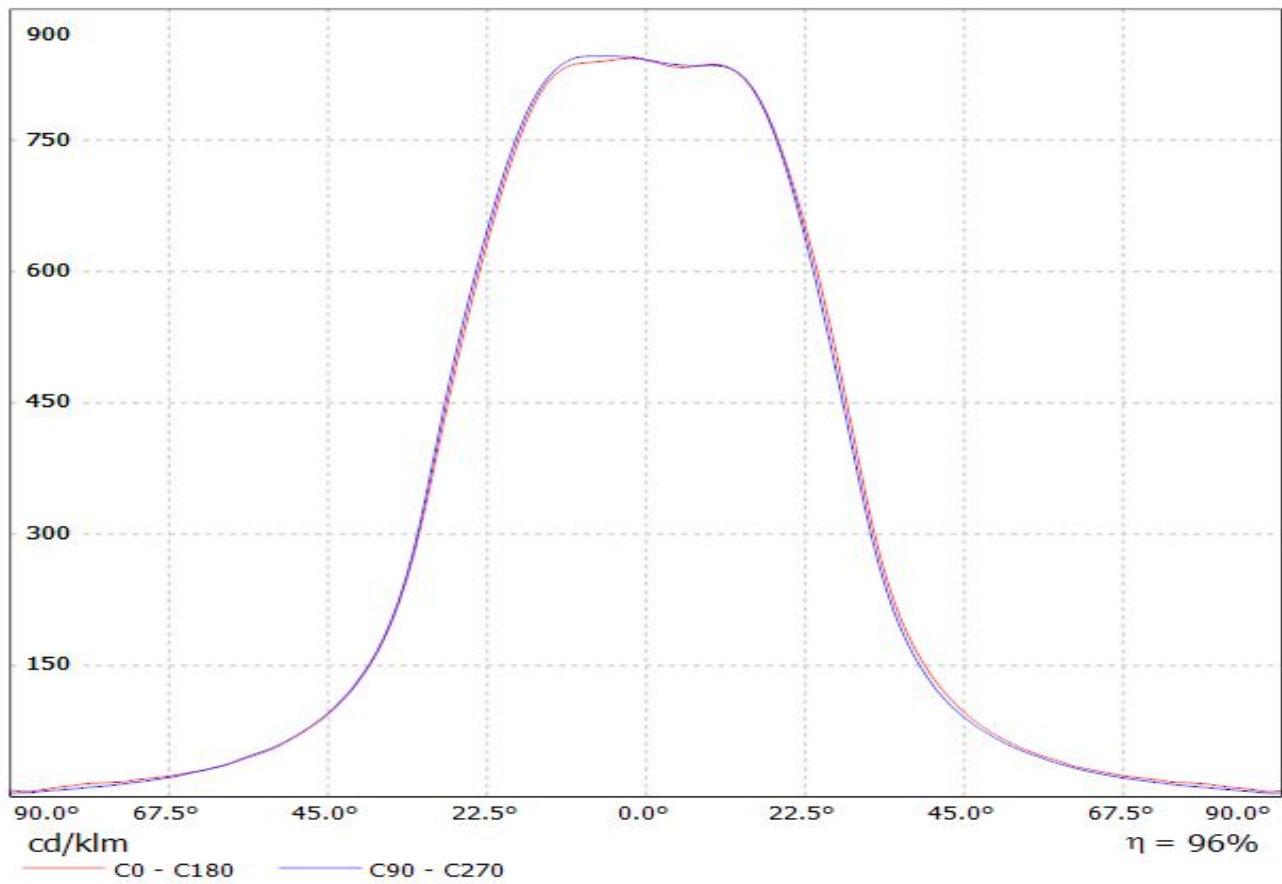
Luminaire: LEDiL Oy C12345\_HB\_5x1\_W\_(XT-E) Eff.86.6%  
Lamps: 1 x CREE\_XT-E\_5x1\_(XT-EAWT-00-0000-00000HBE8)\_366.15lm@250mA\_P=3.67056W\_I=249.8mA



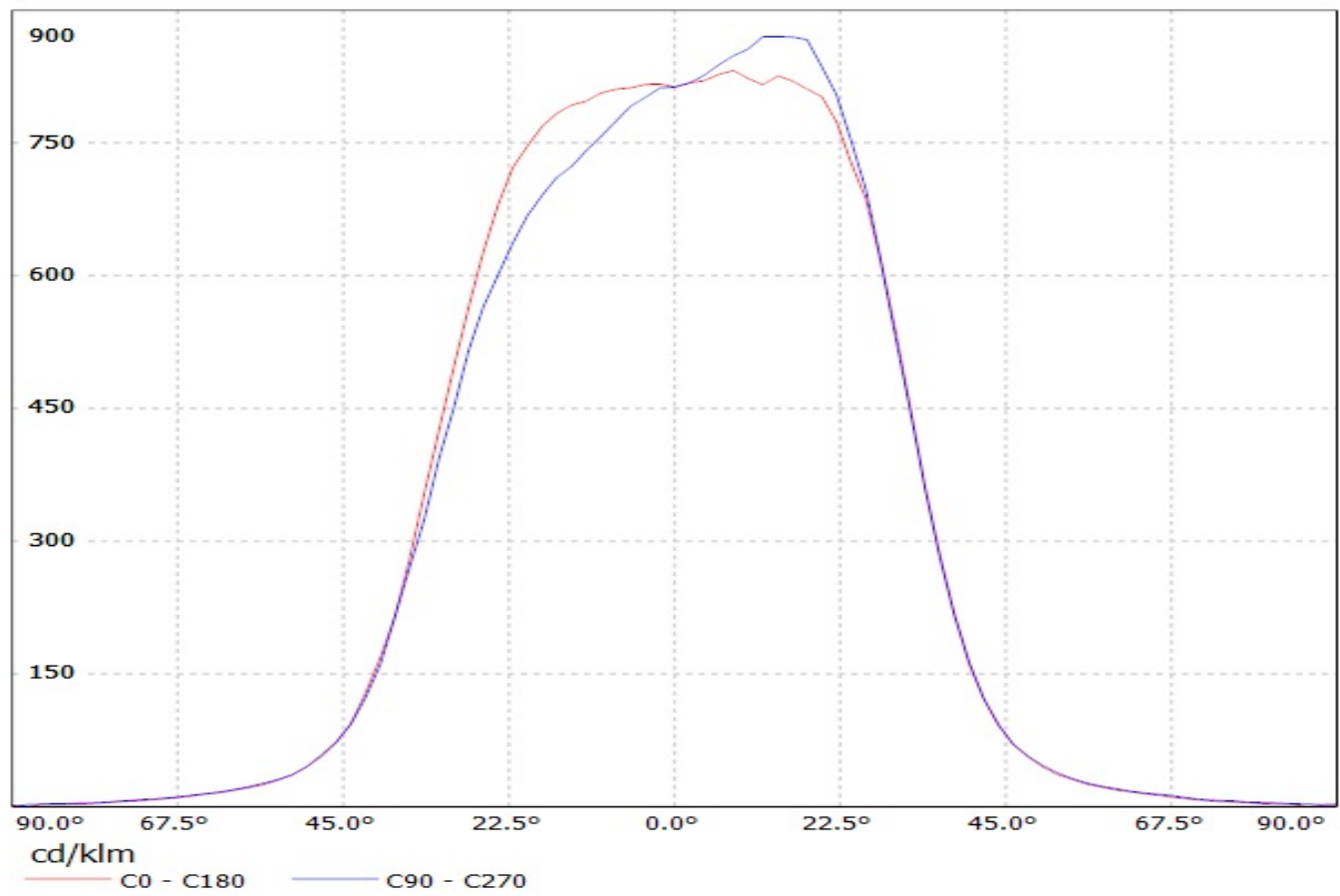
Luminaire: LEDIL OY C12361\_HB-2X2 (XT-E AWT) Efficiency=89%  
Lamps: 1 x Cree XT-E AWT (390lm@250mA)



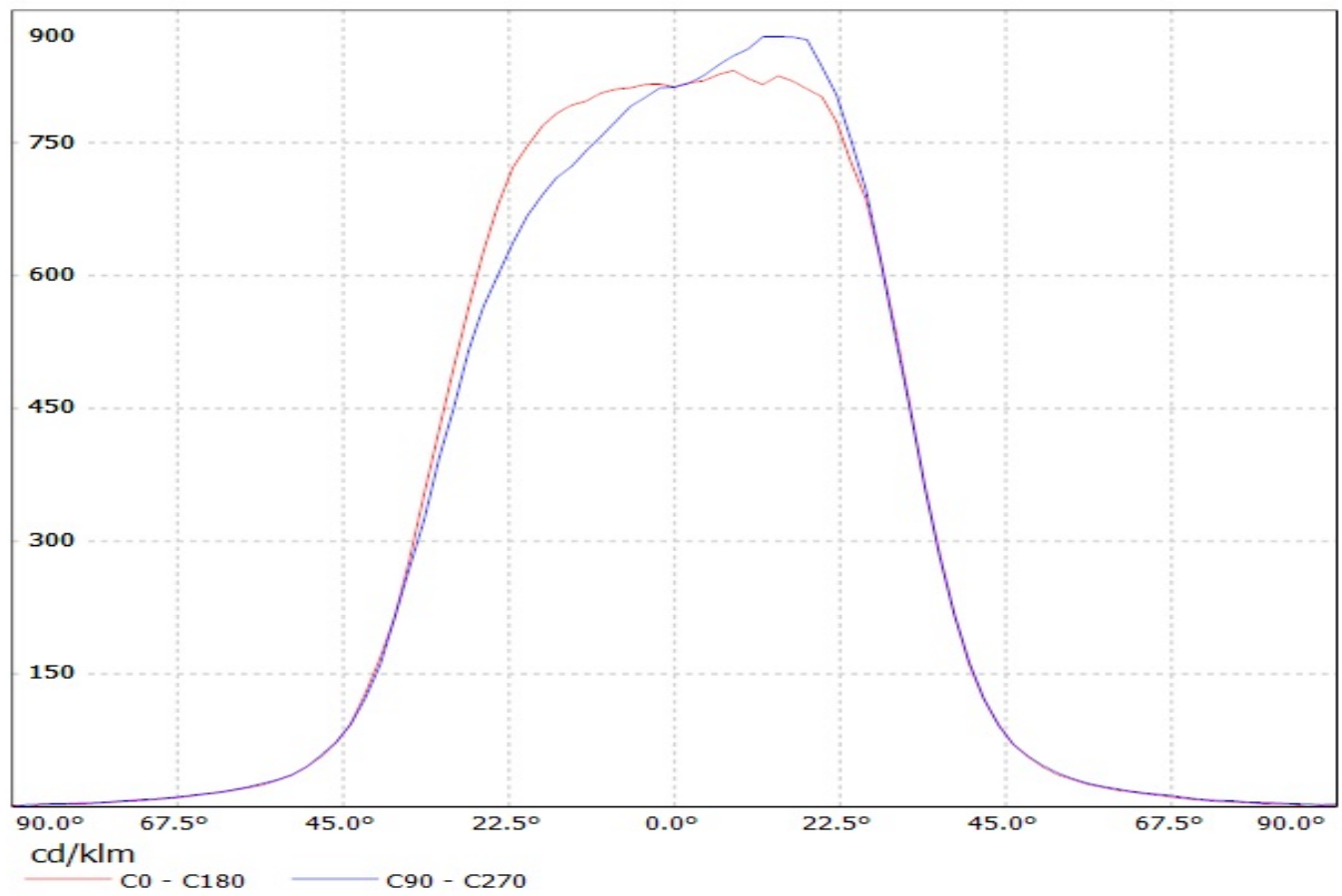
Luminaire: LEDiL Oy CS14130\_HB-IP-2X6-W\_(XT-E)  
Lamps: 1 x CREE\_XT-E\_6x2\_(XTEAWT-00-0000-000000HE4)\_1253.92lm@250mA\_P=8.86265W\_I=249.8mA



Luminaire: Ledil Oy C13237&C13232\_HB-2X2-WW (Cree XT-E 390lm @ 250mA) Efficiency=91%  
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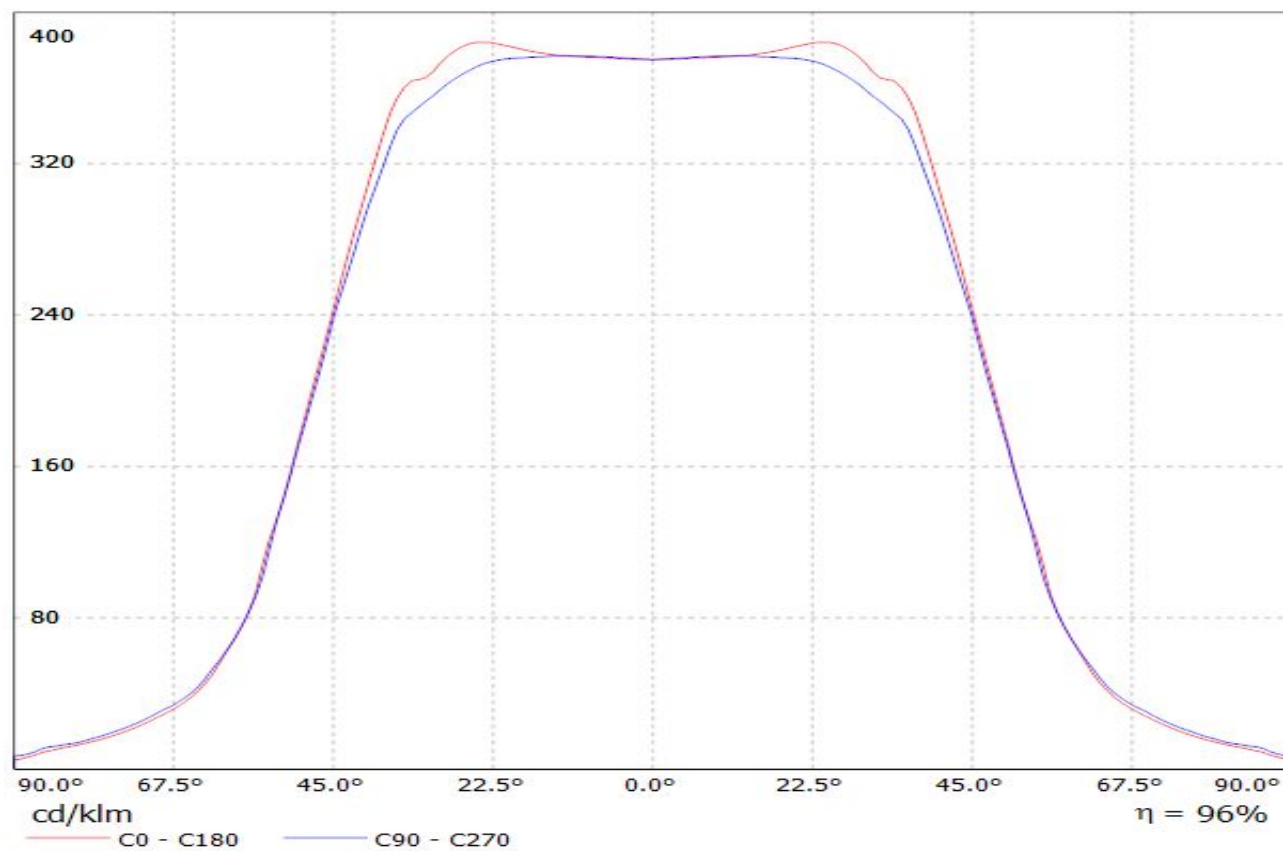


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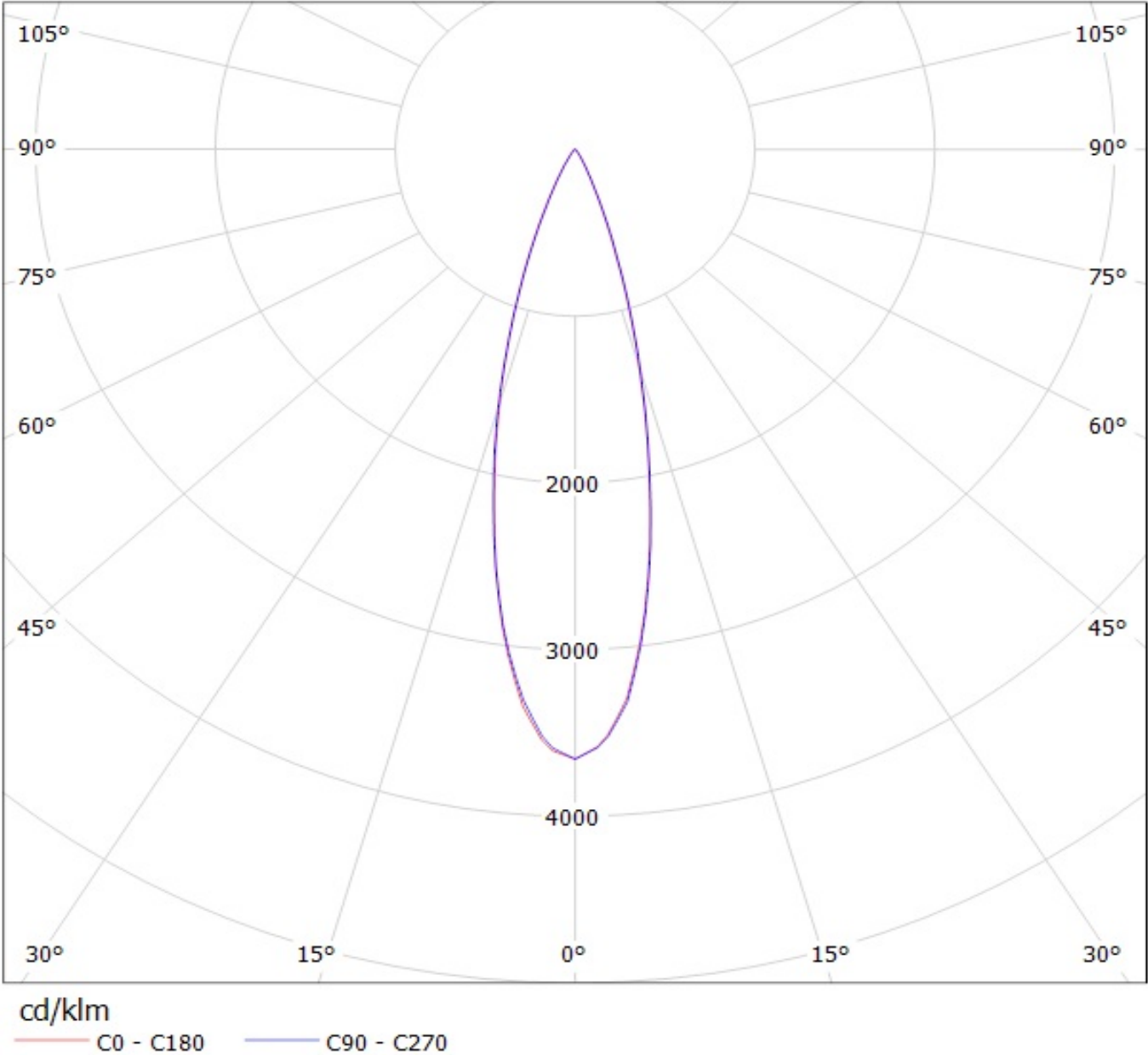


Luminaire: LEDiL Oy CS14263\_HB-IP-2X6-WWW\_(XT-E)

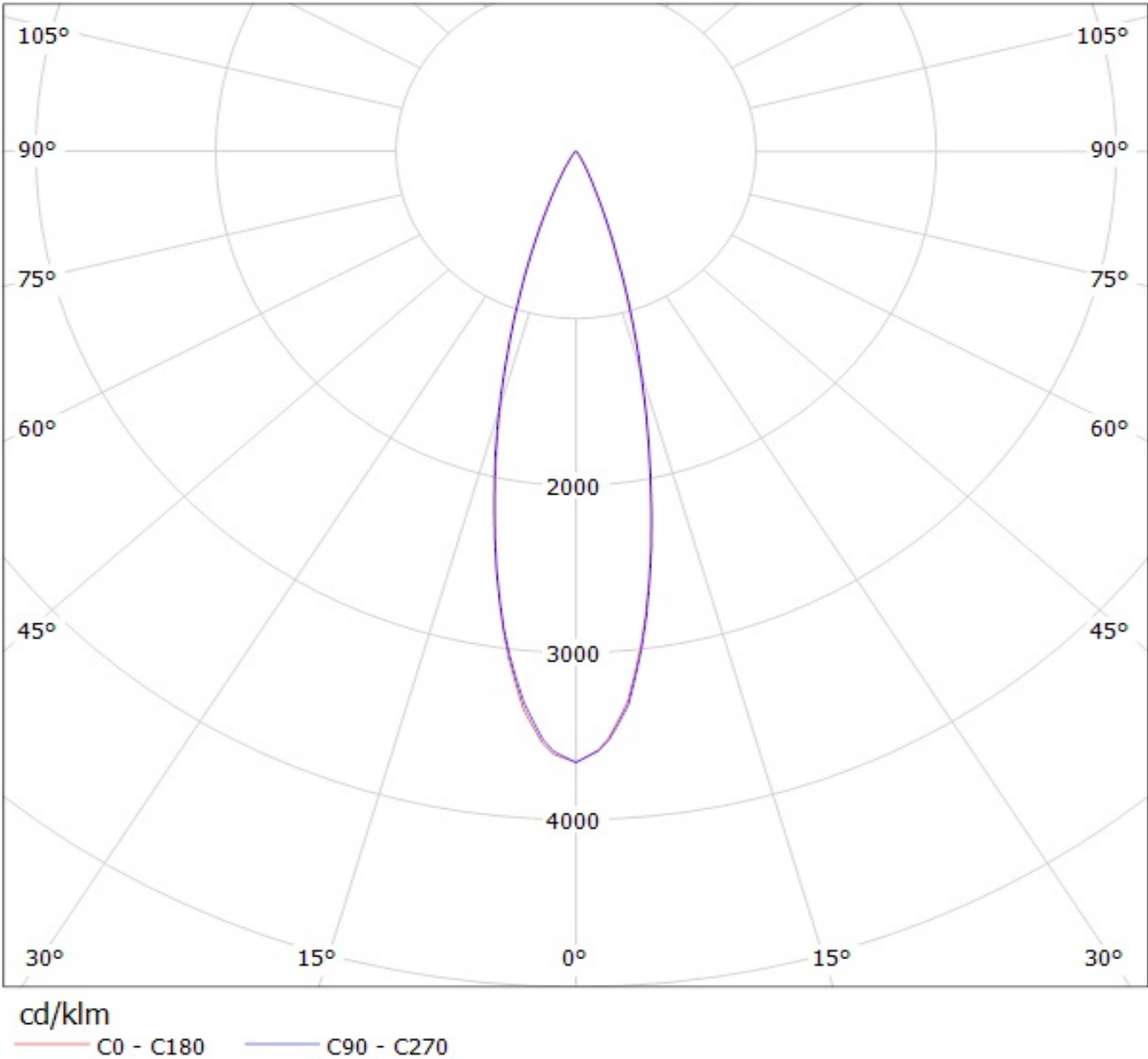
Lamps: 1 x CREE\_XT-E\_6x2\_(XTEAWT-00-0000-000000HE4)\_1253.02lm@250mA\_P=8.85391W\_I=249.8mA



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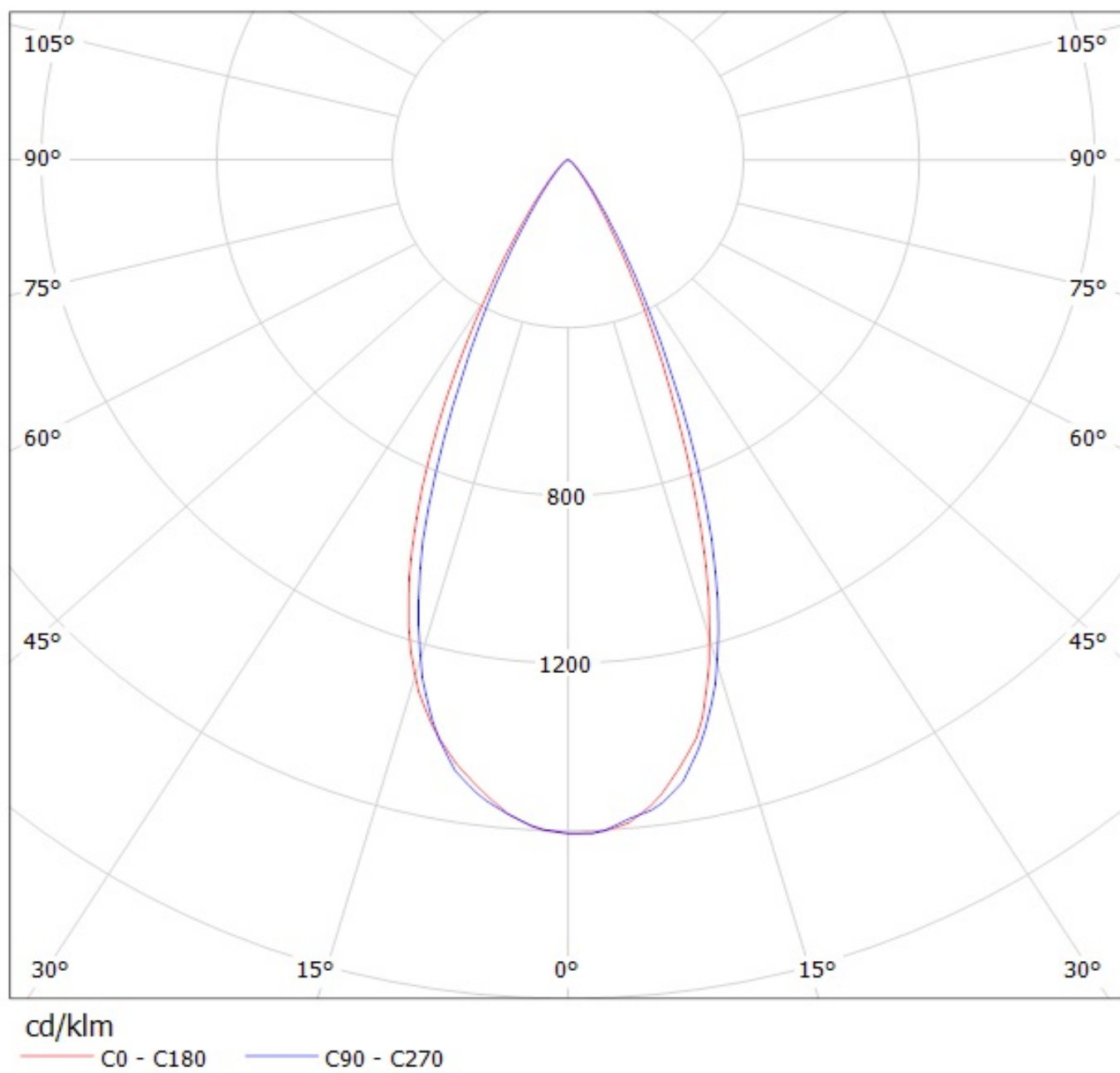


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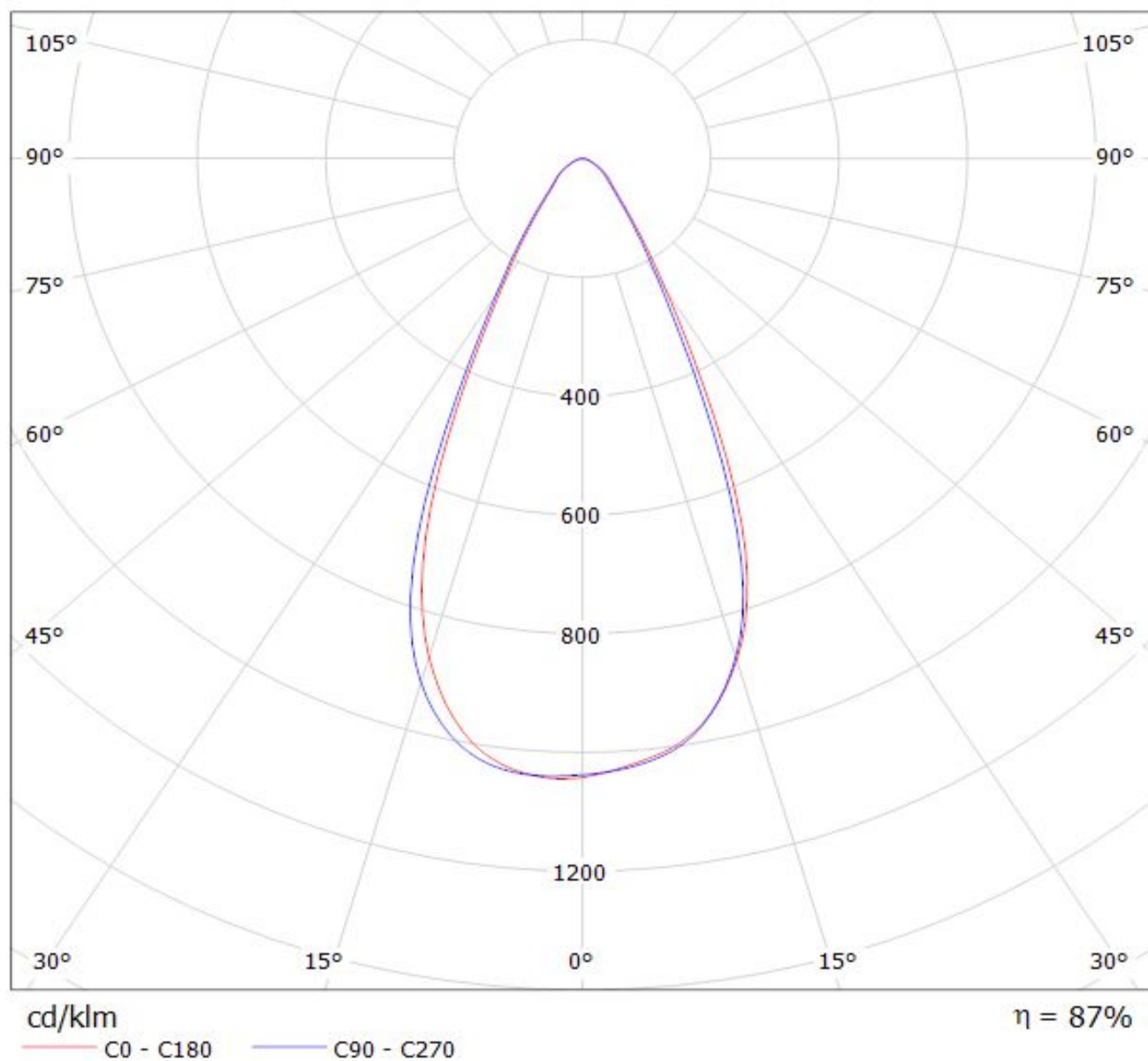


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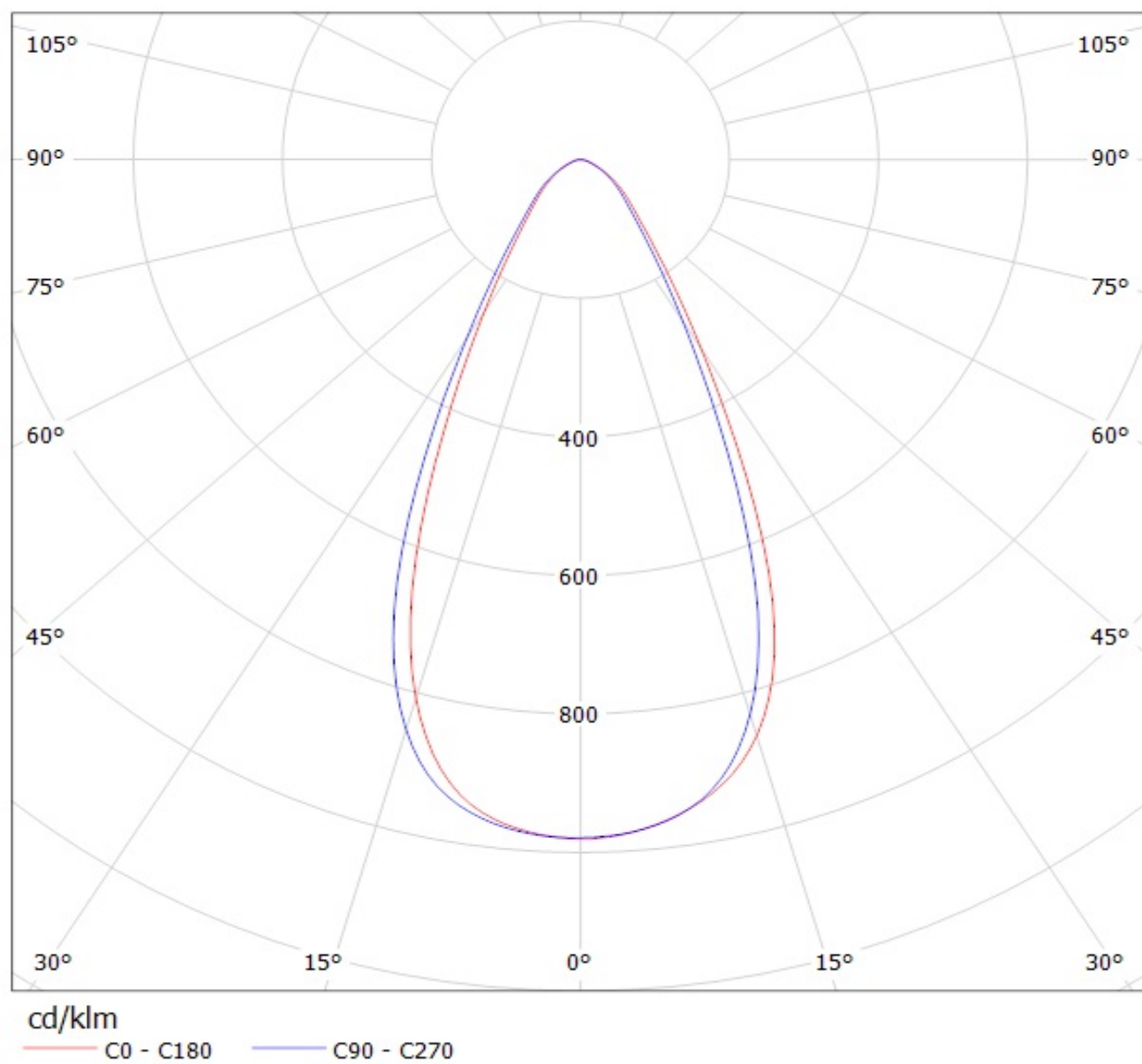


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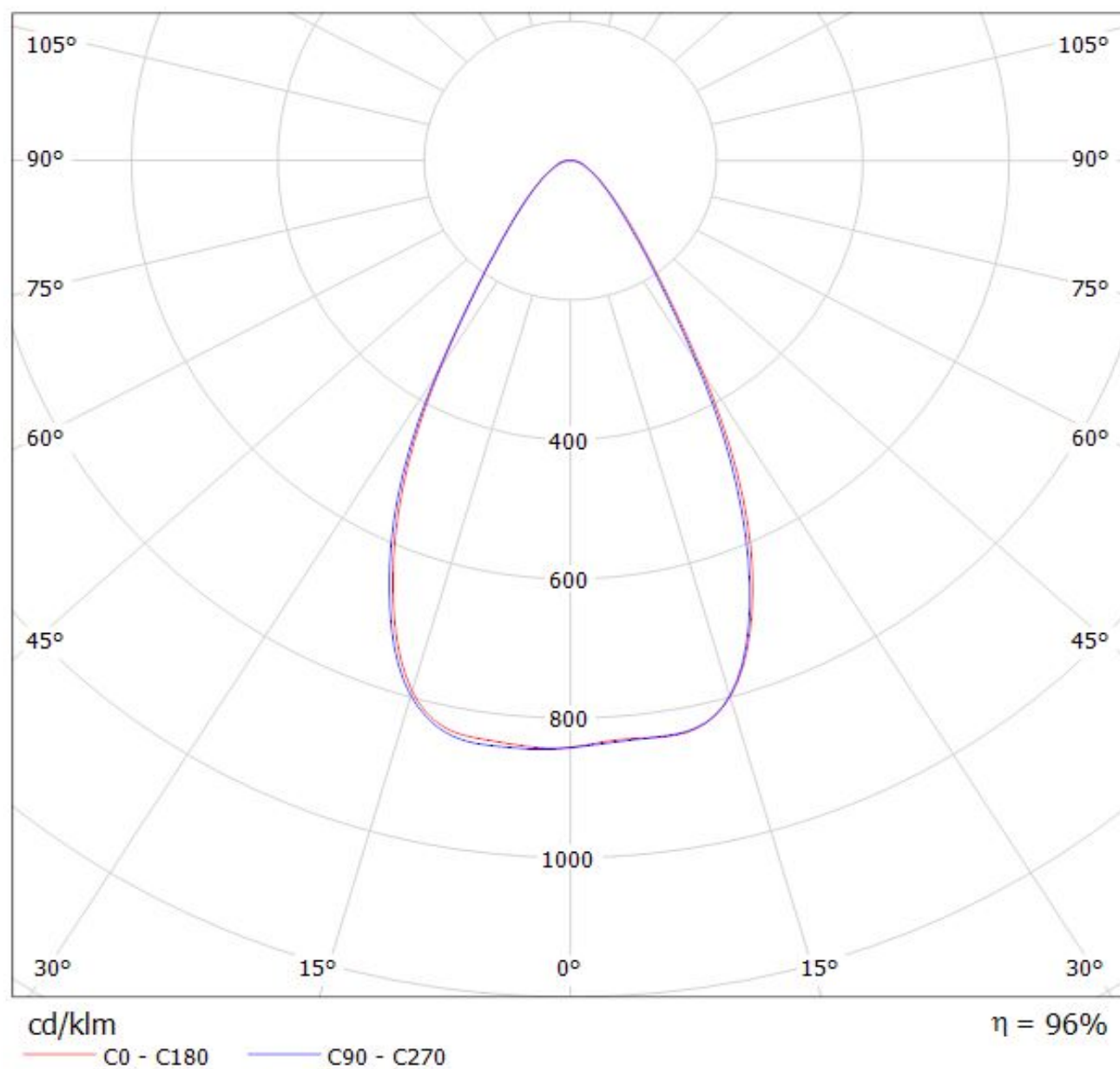


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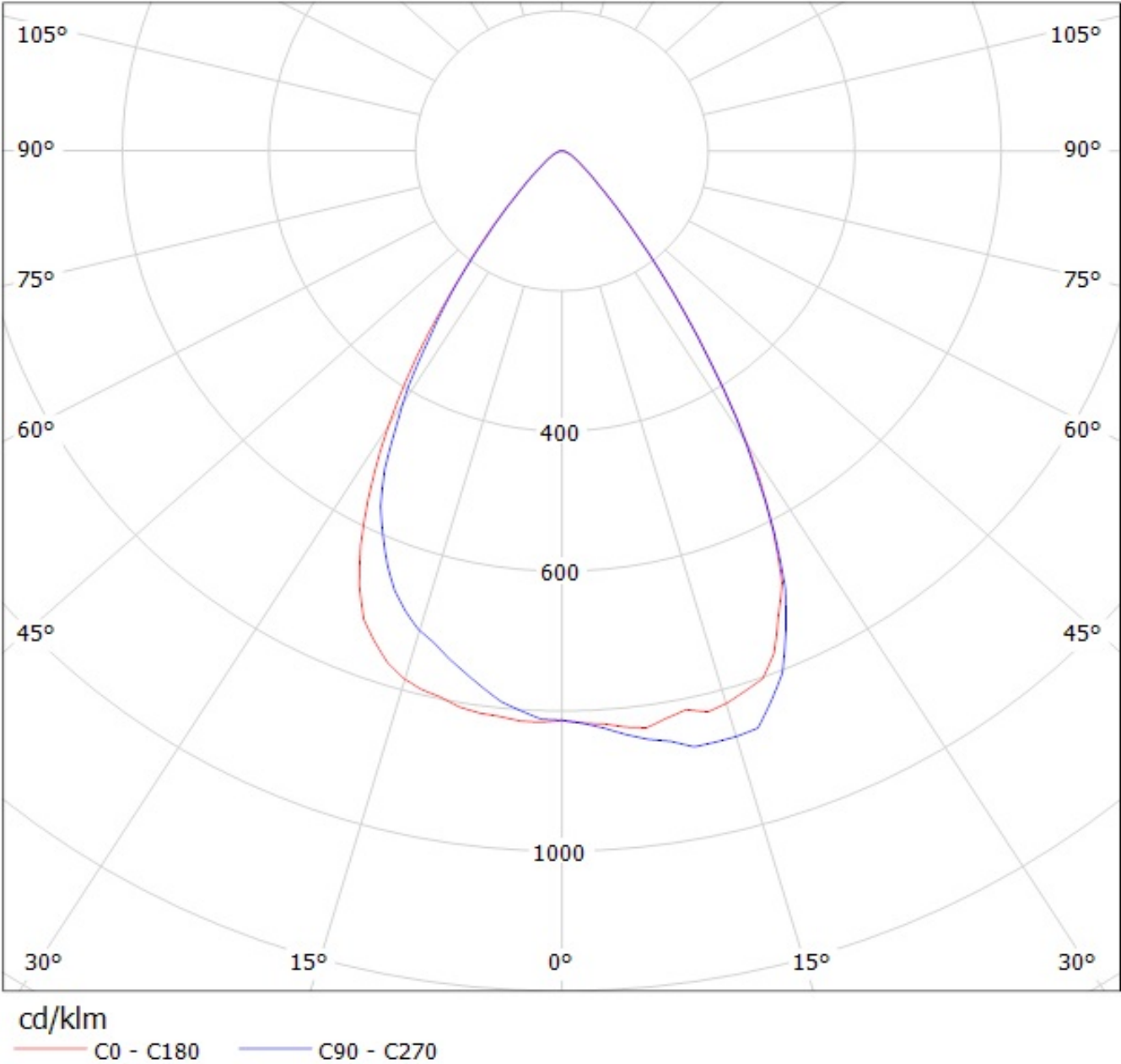


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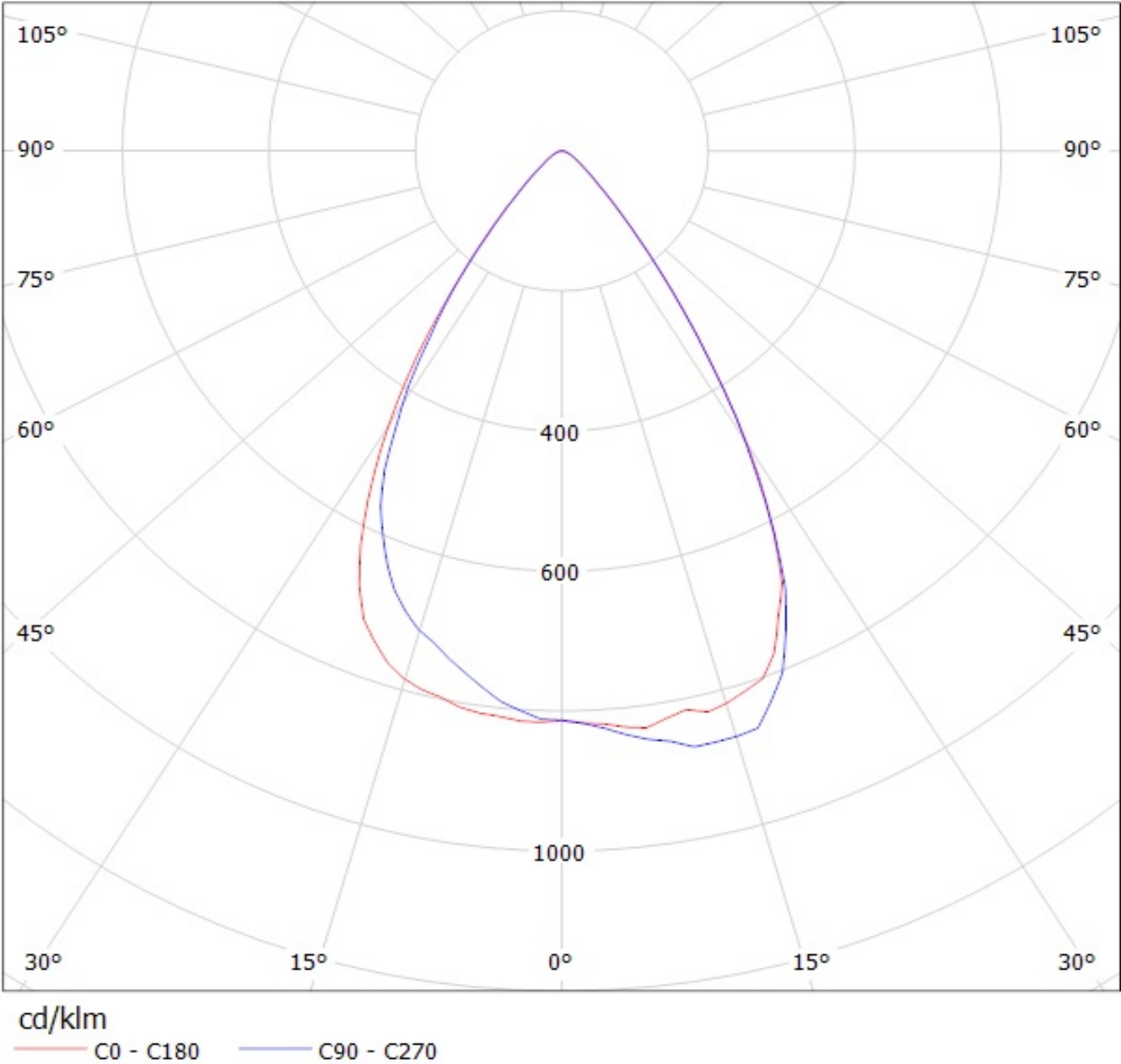
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