

**Product number FCN10804\_LR1-RS**

Family Leila  
Type Pack  
LED LUXEON Rebel  
Color White  
Diameter 21.6 mm  
Height 14.3 mm  
Style Round  
Optic Material PMMA  
Holder Material PC  
Fastening Glue  
Status On production

FWHM 8 degrees  
Efficiency 96 %  
cd/Im (simulated) 0.000  
Gerber File Available

**Product number FCN11738\_LR1-RS2**

Family Leila  
Type Pack  
LED LUXEON Rebel  
Color White  
Diameter 21.6 mm  
Height 14.3 mm  
Style Round  
Optic Material PMMA  
Holder Material PC  
Fastening Glue  
Status On production

FWHM 10 degrees  
Efficiency 93 %  
cd/Im 16.000  
Gerber File Available

**Product number FCN10806\_LR1-D**

Family Leila  
Type Pack  
LED LUXEON Rebel  
Color White  
Diameter 21.6 mm  
Height 14.3 mm  
Style Round  
Optic Material PMMA  
Holder Material PC  
Fastening Glue  
Status On production

FWHM 11 degrees  
Efficiency 96 %  
cd/Im (simulated) 0.000  
Gerber File Available

**Product number FCN10803\_LR1-M**

Family Leila  
Type Pack  
LED LUXEON Rebel  
Color White  
Diameter 21.6 mm  
Height 14.3 mm  
Style Round  
Optic Material PMMA  
Holder Material PC  
Fastening Glue  
Status On production

FWHM 22 degrees  
Efficiency 91 %  
cd/Im (simulated) 0.000  
Gerber File Available

**Product number FCN11458\_LR1-M2**

Family	Leila	FWHM	30 degrees
Type	Pack	Efficiency	90 %
LED	LUXEON Rebel	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

**Product number FCN10805\_LR1-REC**

Family	Leila	FWHM	36+20 degrees
Type	Pack	Efficiency	92 %
LED	LUXEON Rebel	cd/Im	(simulated) 0.000
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

**Product number FCN11106\_LR1-O-90**

Family	Leila	FWHM	38+15.5 degrees
Type	Pack	Efficiency	96 %
LED	LUXEON Rebel	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

**Product number FCN10890\_LR1-W**

Family	Leila	FWHM	48 degrees
Type	Pack	Efficiency	94 %
LED	LUXEON Rebel	cd/Im	(simulated) 0.000
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.3 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		



## PRODUCT DATASHEET

### Leila series

last update 12/6/2013

**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 LUXEON Rebel 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>

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

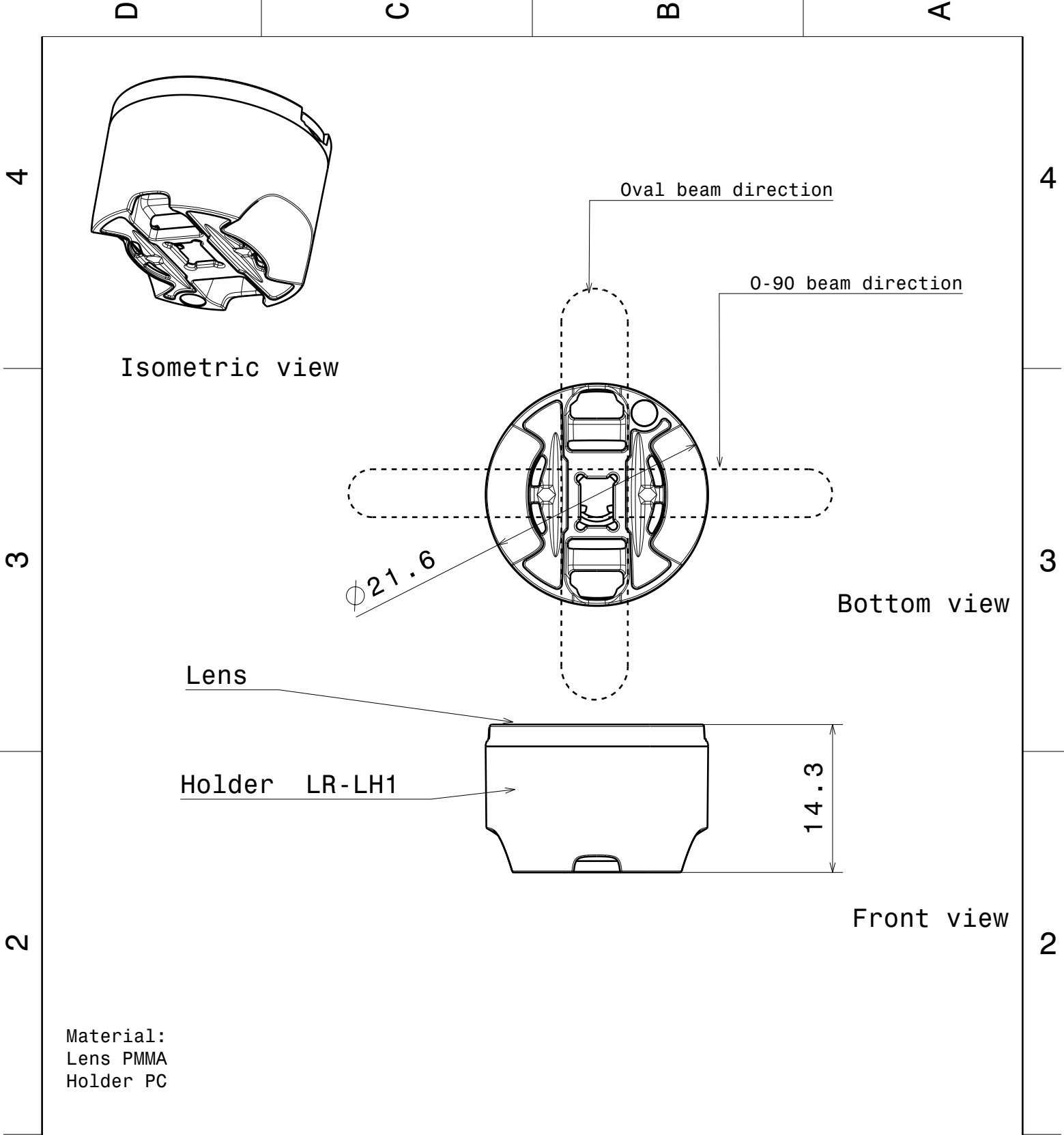
- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.

[http://www.ledil.com/datasheets/DataSheet\\_GLUES.pdf](http://www.ledil.com/datasheets/DataSheet_GLUES.pdf)

**NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the glue.**

**NOTE 2: All surfaces where glue is applied must be clean, dry and free from grease and dirt. If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer -this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.**

**Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.**



Material:  
Lens PMMA  
Holder PC

This drawing is our property.  
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our written agreement.



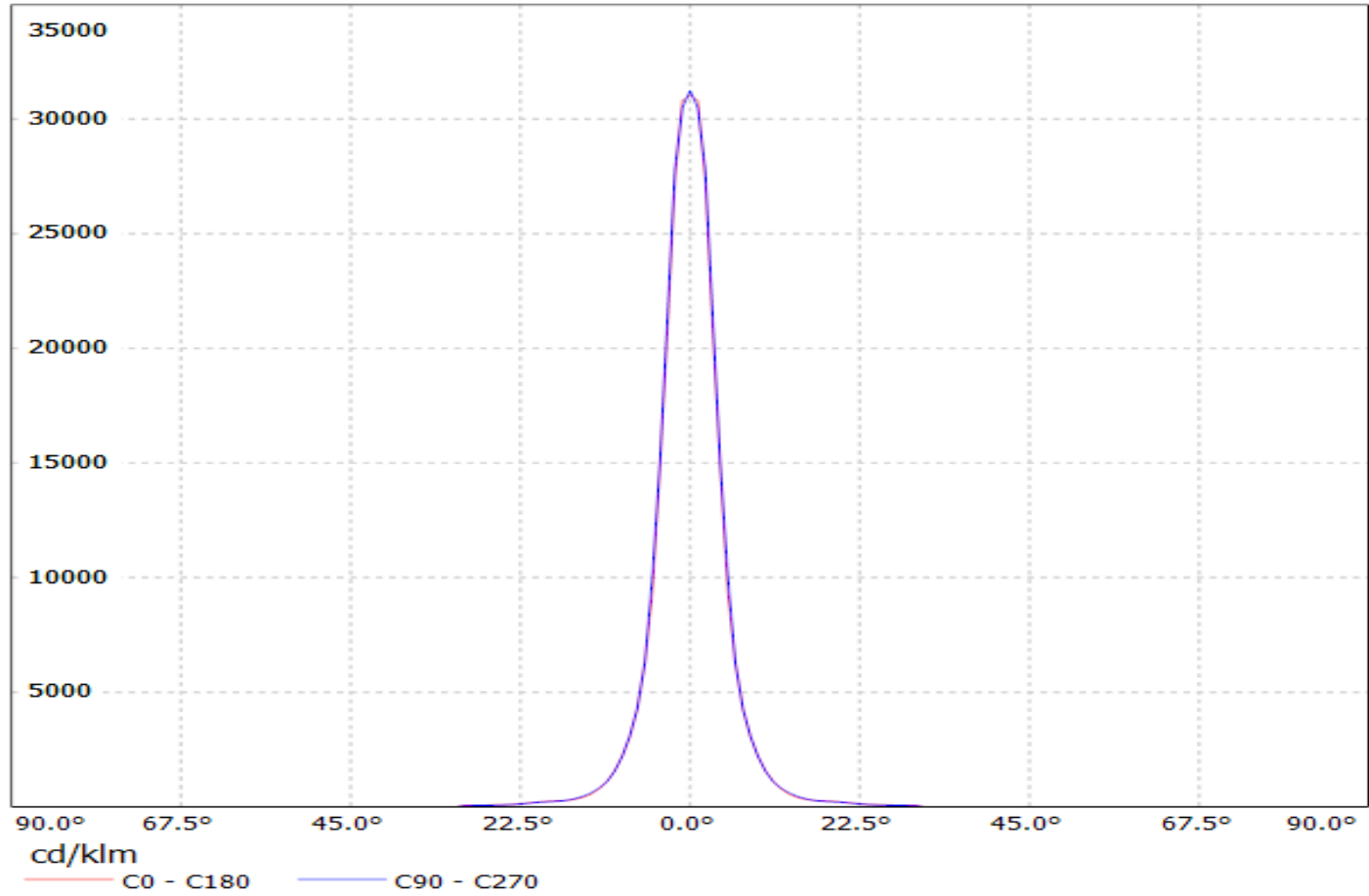
Ledil Oy  
Salorankatu 10  
FIN-24100 SALO  
Finland

DRAWING TITLE

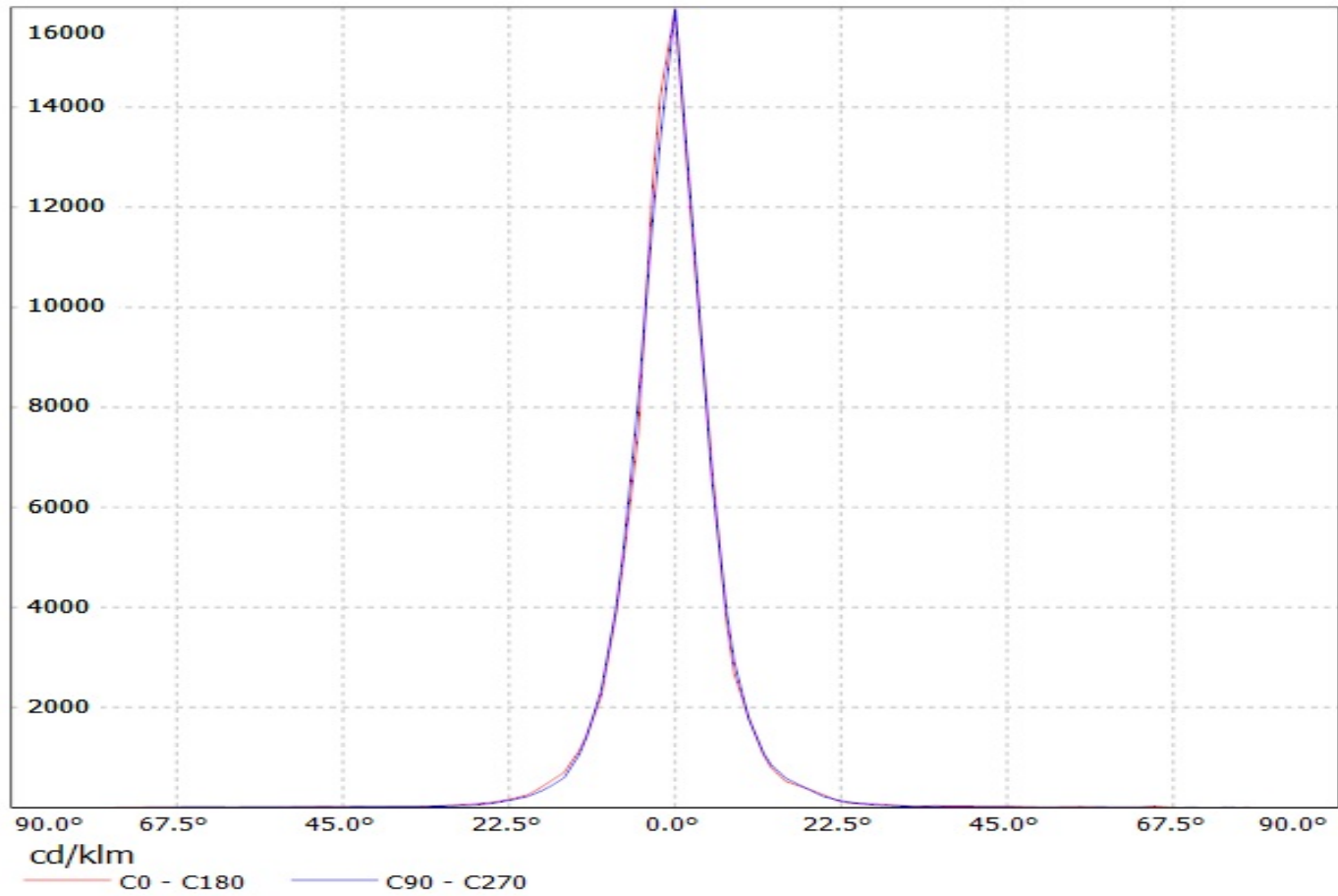
Datasheet LR1 Assy

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CHECKED BY pv		DATE 20.12.2011		SIZE A4	DRAWING NUMBER		
DESIGNED BY pv		DATE 31.12.2009		SCALE 2:1	WEIGHT (g)		REV 2
						SHEET 1/1	

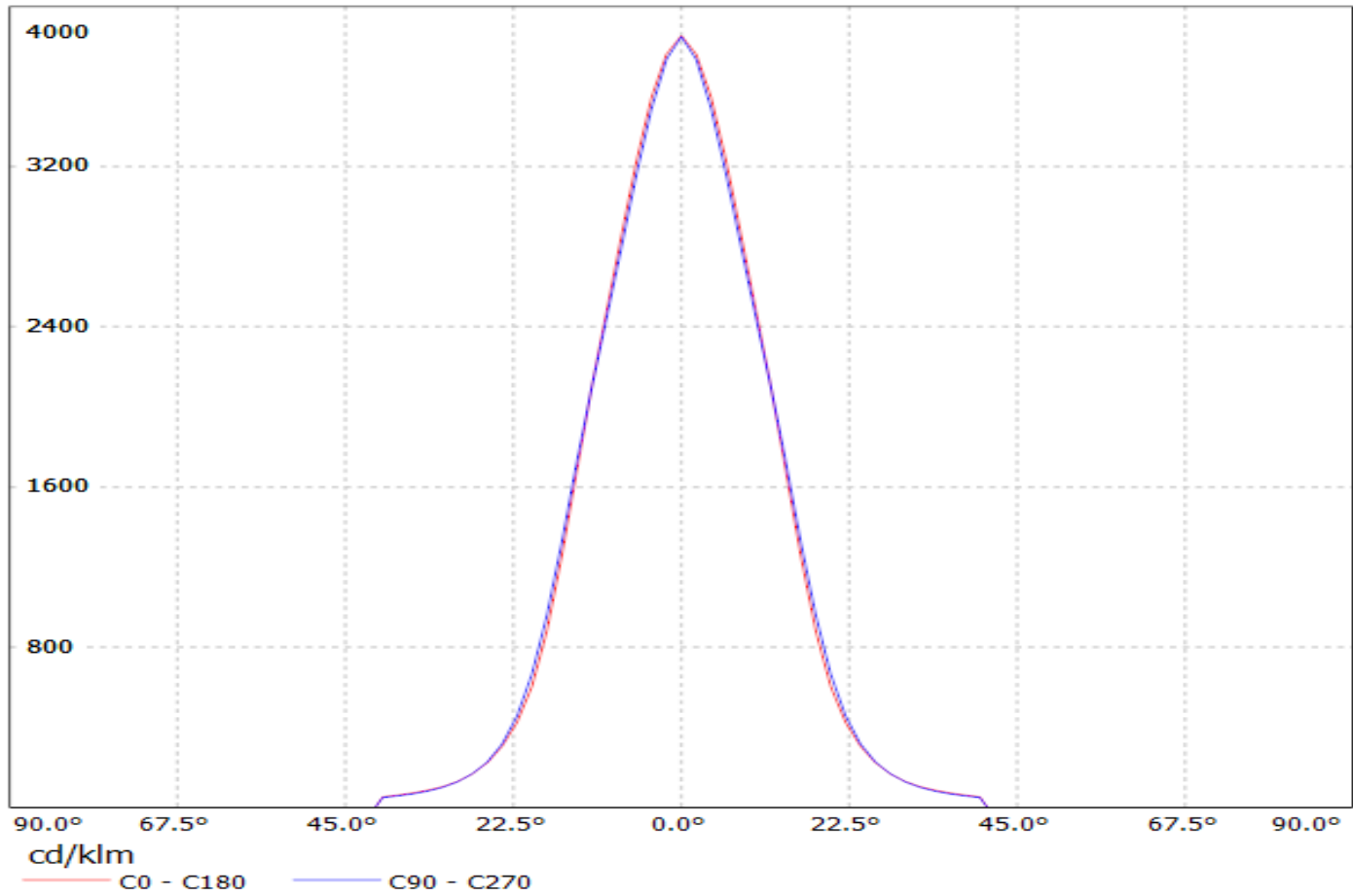
Luminaire: Ledil Oy FA10804\_LR1-RS FA10804\_LR1-RS  
Lamps: 1 x LUXEON REBEL



Luminaire: Ledil OY FCN11738\_LR1-RS2-RE LOR=93%  
Lamps: 1 x Luxeon Rebel 250mA 78lm

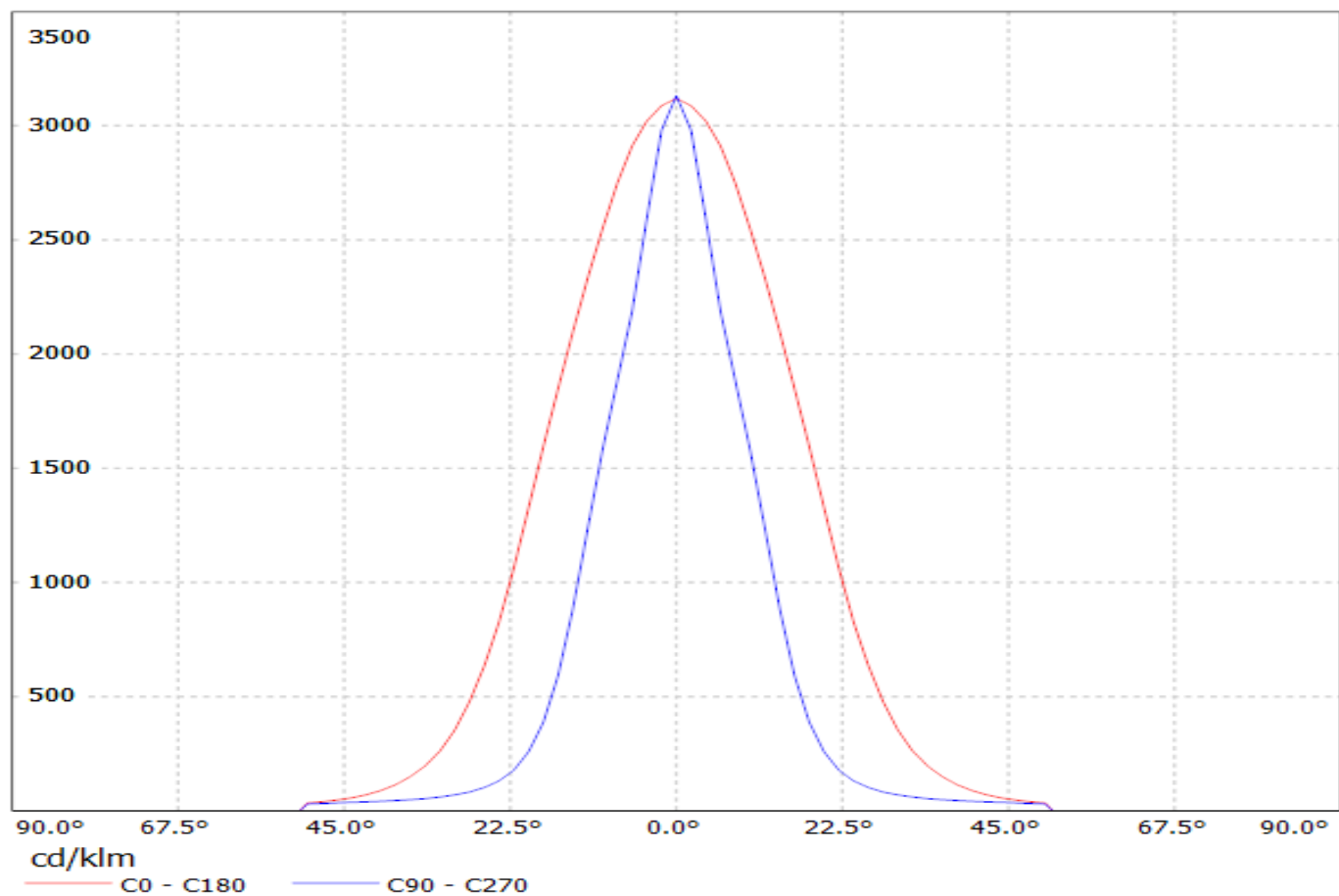


Luminaire: Ledil Oy FA10803\_LR1-M FA10803\_LR1-M  
Lamps: 1 x Luxeon Rebel

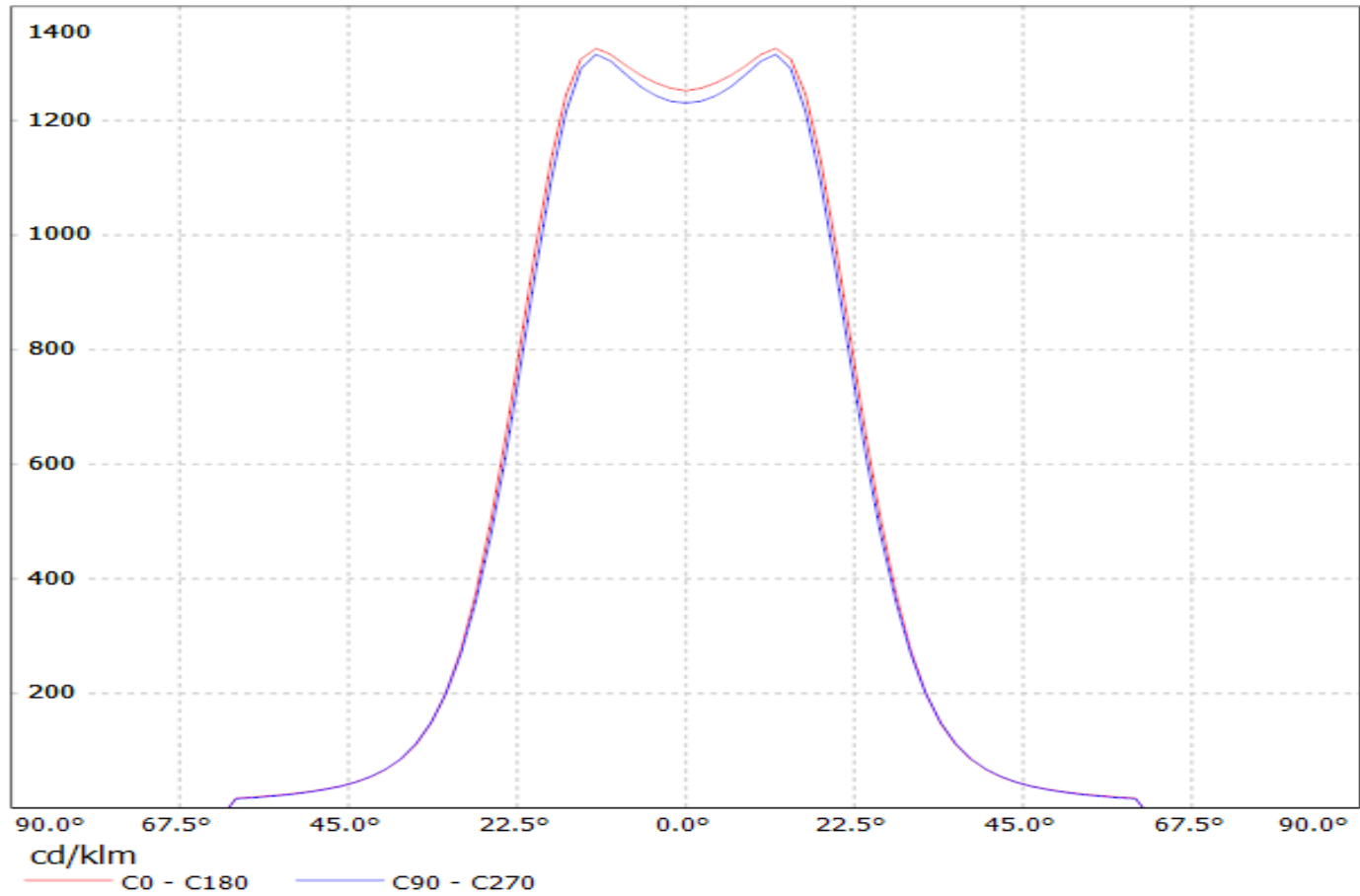




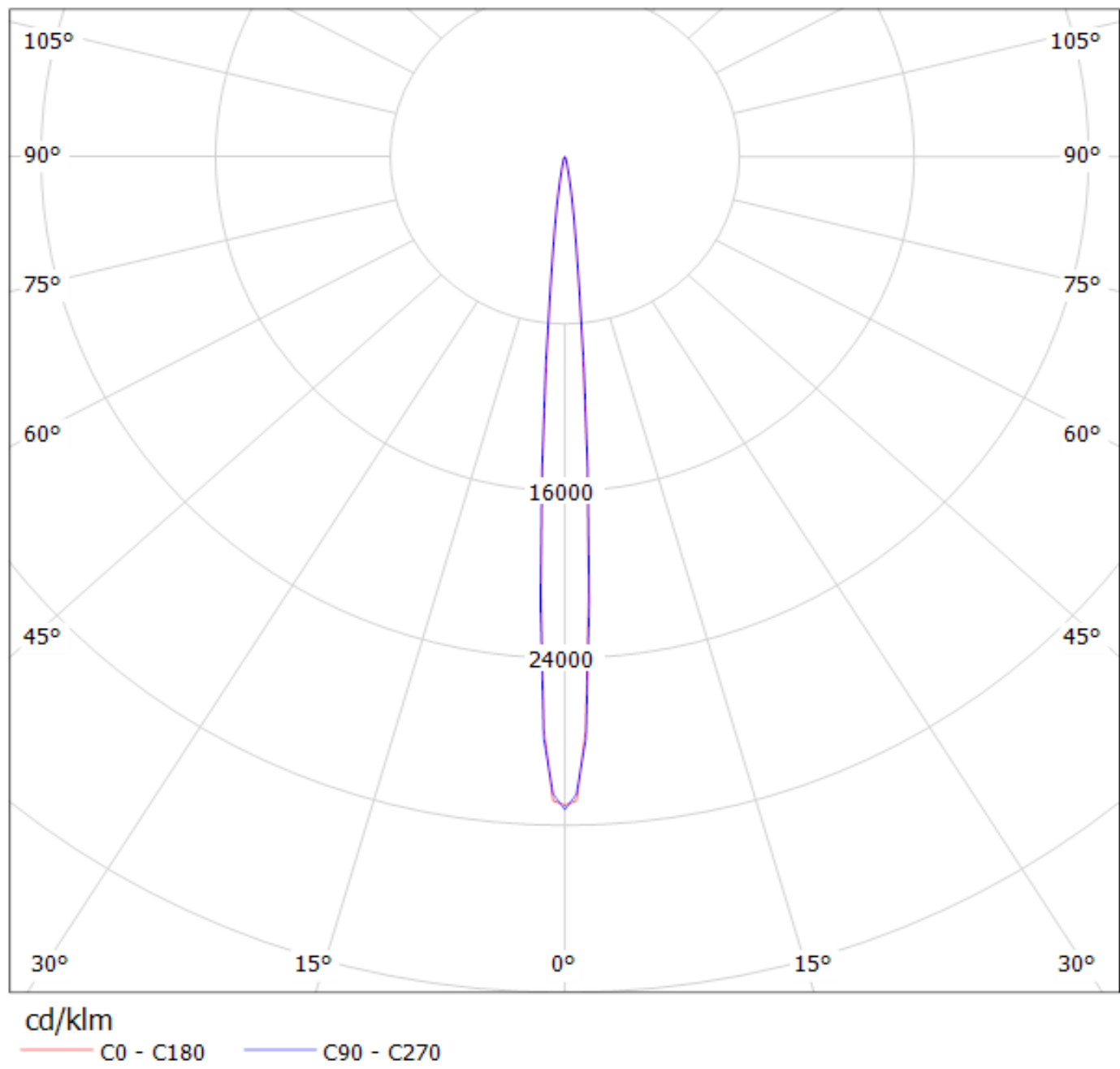
Luminaire: Ledil Oy FA10805\_LR1-REC FA10805\_LR1-REC  
Lamps: 1 x Luxeon Rebel (white)



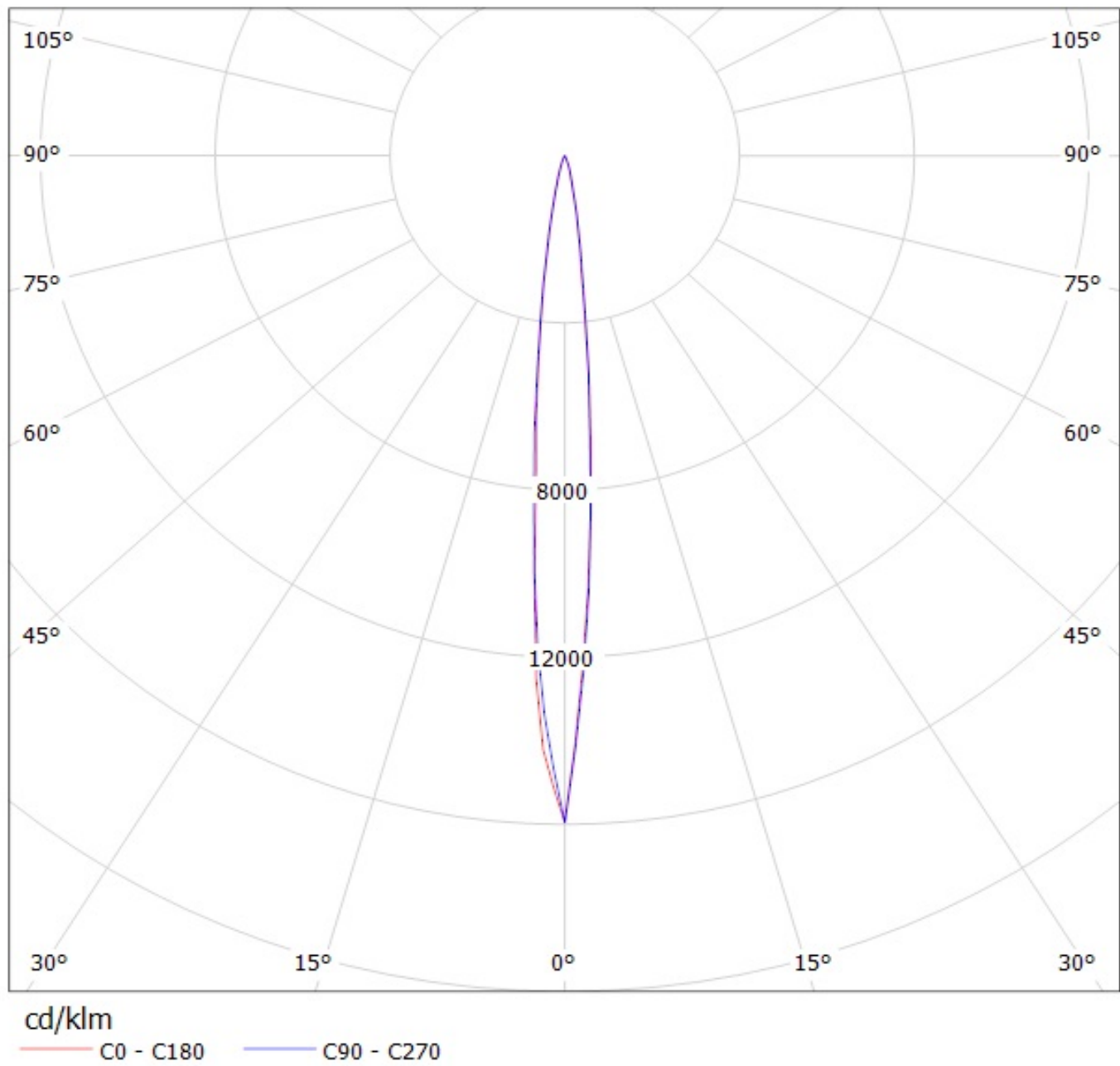
Luminaire: Ledil Oy FA10890\_LR1-W FA10890\_LR1-W  
Lamps: 1 x Luxeon Rebel (white)



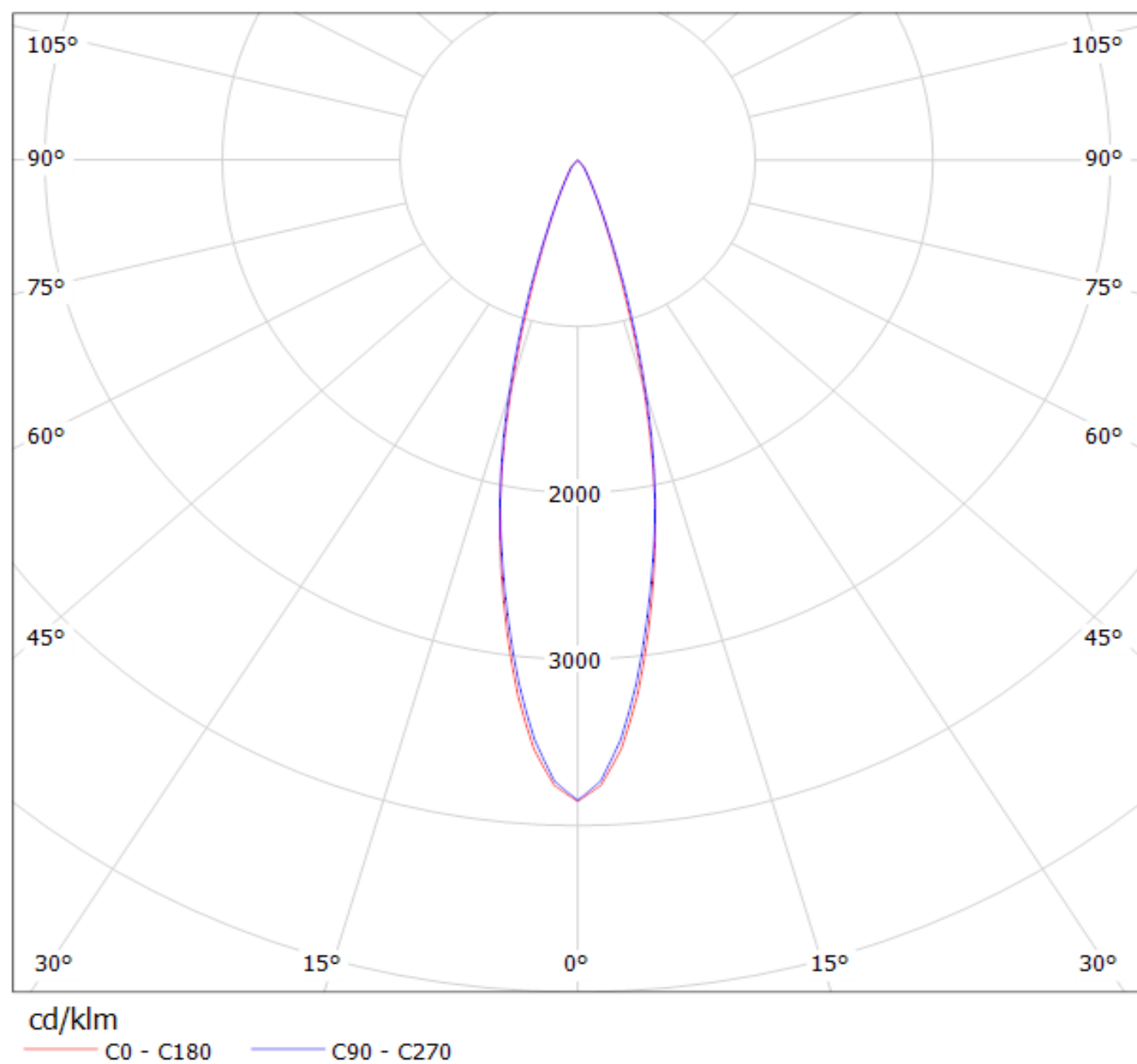
Luminaire: Ledil Oy FA10804\_LR1-RS FA10804\_LR1-RS  
Lamps: 1 x LUXEON REBEL



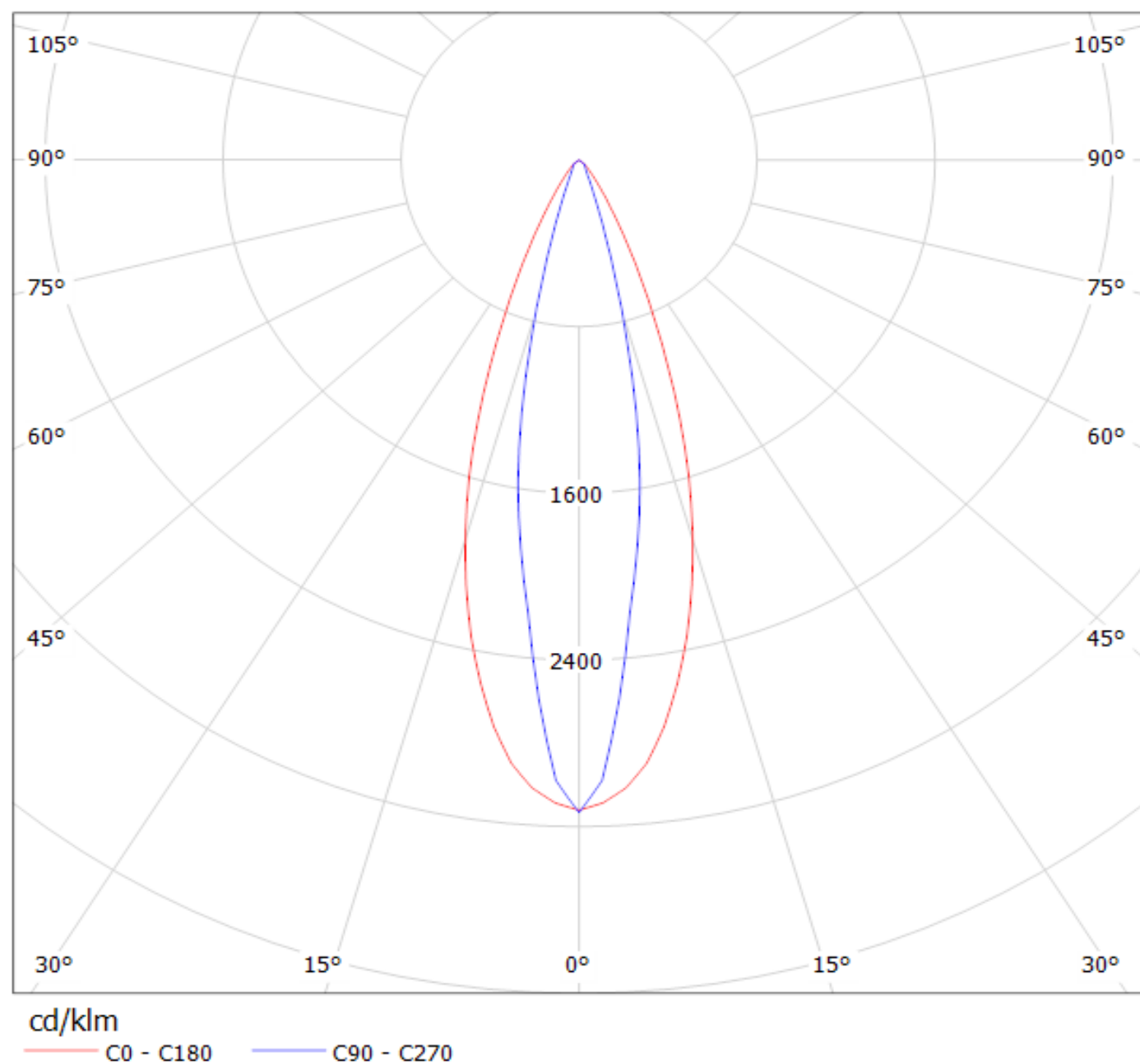
Luminaire: Ledil OY FCN11738\_LR1-RS2-RE LOR=93%  
Lamps: 1 x Luxeon Rebel 250mA 78lm



Luminaire: Ledil Oy FA10803\_LR1-M FA10803\_LR1-M  
Lamps: 1 x Luxeon Rebel



Luminaire: Ledil Oy FA10805\_LR1-REC FA10805\_LR1-REC  
Lamps: 1 x Luxeon Rebel (white)



Luminaire: Ledil Oy FA10890\_LR1-W FA10890\_LR1-W  
Lamps: 1 x Luxeon Rebel (white)

