

**Product number CA11481\_LXP2-RS**

Family	Leila	FWHM	10 degrees
Type	Assembly	Efficiency	94 %
LED	XP-G	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CP11631\_LXP3-RS**

Family	Leila	FWHM	10 degrees
Type	Assembly	Efficiency	92 %
LED	XP-G	cd/lm	16.500
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

Suitable for Star PCB

**Product number FA11739\_LXP-RS2**

Family	Leila	FWHM	10 degrees
Type	Assembly	Efficiency	94 %
LED	XP-G	cd/lm	14.100
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	-		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA10661\_LXP-RS**

Family	Leila	FWHM	11 degrees
Type	Assembly	Efficiency	95 %
LED	XP-G	cd/lm	20.800
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CP11632\_LXP3-D**

Family	Leila	FWHM	11 degrees
Type	Assembly	Efficiency	94 %
LED	XP-G	cd/lm	11.000
Color	White	Gerber File	Available
Diameter	21.6 mm	Suitable for Star PCB	
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

**Product number CA11484\_LXP2-O-90**

Family	Leila	FWHM	12+40 degrees
Type	Assembly	Efficiency	89 %
LED	XP-G	cd/lm	4.600
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CP11634\_LXP3-O-90**

Family	Leila	FWHM	12+40 degrees
Type	Assembly	Efficiency	93 %
LED	XP-G	cd/lm	4.600
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

**Product number FA10663\_LXP-D**

Family	Leila	FWHM	15 degrees
Type	Assembly	Efficiency	93 %
LED	XP-G	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CA11482\_LXP2-D**

Family	Leila	FWHM	16 degrees
Type	Assembly	Efficiency	94 %
LED	XP-G	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CA11483\_LXP2-M**

Family	Leila	FWHM	24 degrees
Type	Assembly	Efficiency	94 %
LED	XP-G	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CP11633\_LXP3-M**

Family	Leila	FWHM	24 degrees
Type	Assembly	Efficiency	94 %
LED	XP-G	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

Suitable for Star PCB

**Product number FA10660\_LXP-M**

Family	Leila	FWHM	26 degrees
Type	Assembly	Efficiency	91 %
LED	XP-G	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA11450\_LXP-M2**

Family	Leila	FWHM	28 degrees
Type	Assembly	Efficiency	91 %
LED	XP-G	cd/lm	3.100
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	-		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA12218\_LXP-O**

Family	Leila	FWHM	36+14 degrees
Type	Assembly	Efficiency	89 %
LED	XP-G	cd/lm	3.800
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	-		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA10662\_LXP-REC**

Family	Leila	FWHM	38+23 degrees
Type	Assembly	Efficiency	84 %
LED	XP-G	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number FA11116\_LXP-O-90**

Family	Leila	FWHM	41+13 degrees
Type	Assembly	Efficiency	91 %
LED	XP-G	cd/lm	4.700
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

# PRODUCT DATASHEET

## Leila series

last update 10/4/2014

**Product number CA12392\_LXP2-W**

Family	Leila	FWHM	43 degrees
Type	Assembly	Efficiency	89 %
LED	XP-G	cd/lm	1.480
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CP12395\_LXP3-W**

Family	Leila	FWHM	43 degrees
Type	Assembly	Efficiency	92 %
LED	XP-G	cd/lm	1.700
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue"]		
Status	Production ready		

Star PCB compatible.

**Product number FA10832\_LXP-W**

Family	Leila	FWHM	46 degrees
Type	Assembly	Efficiency	84 %
LED	XP-G	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 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.**



## PRODUCT DATASHEET

### Leila series

last update 10/4/2014

#### GENERAL INFORMATION

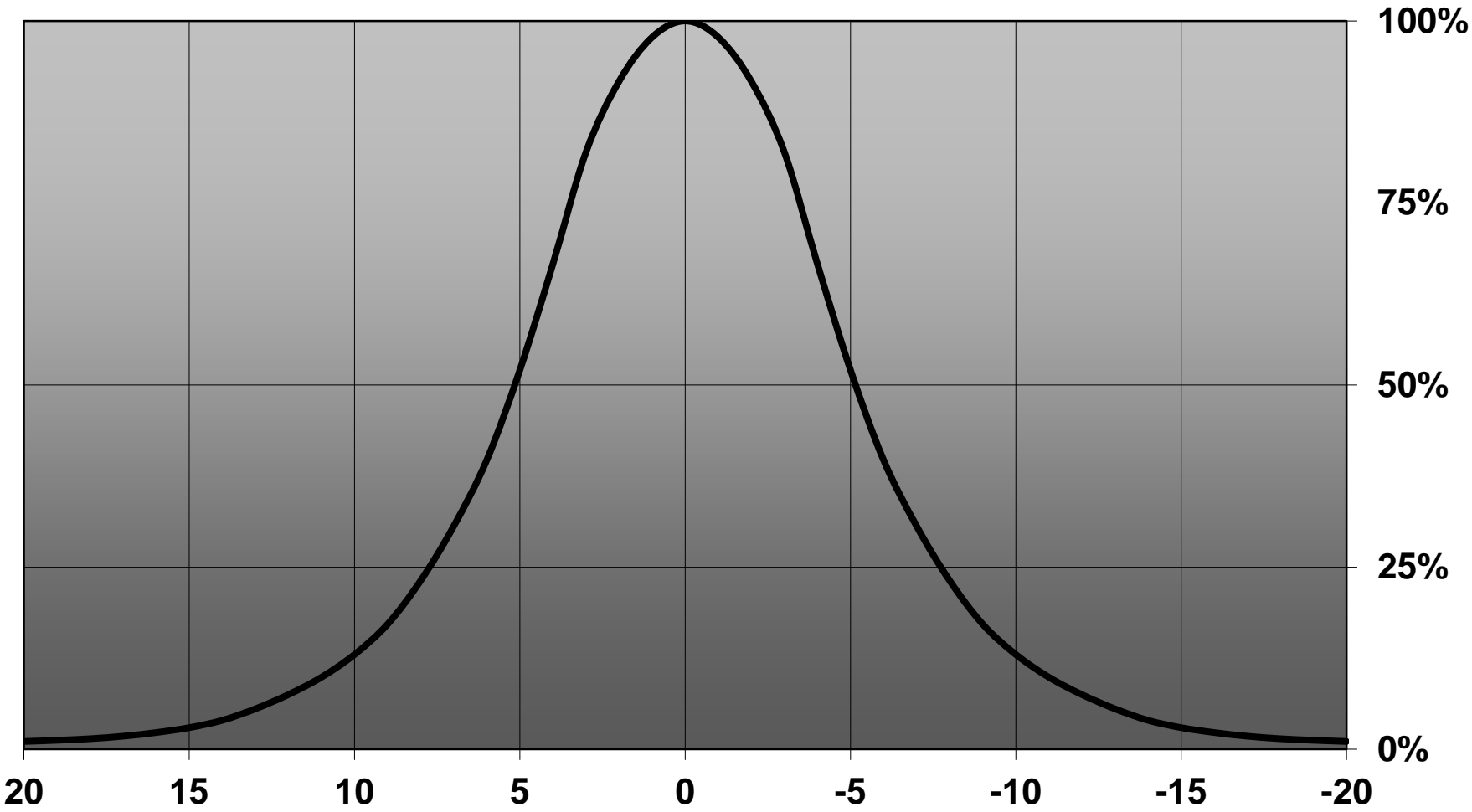
- Product series especially designed & optimized for XP-G series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

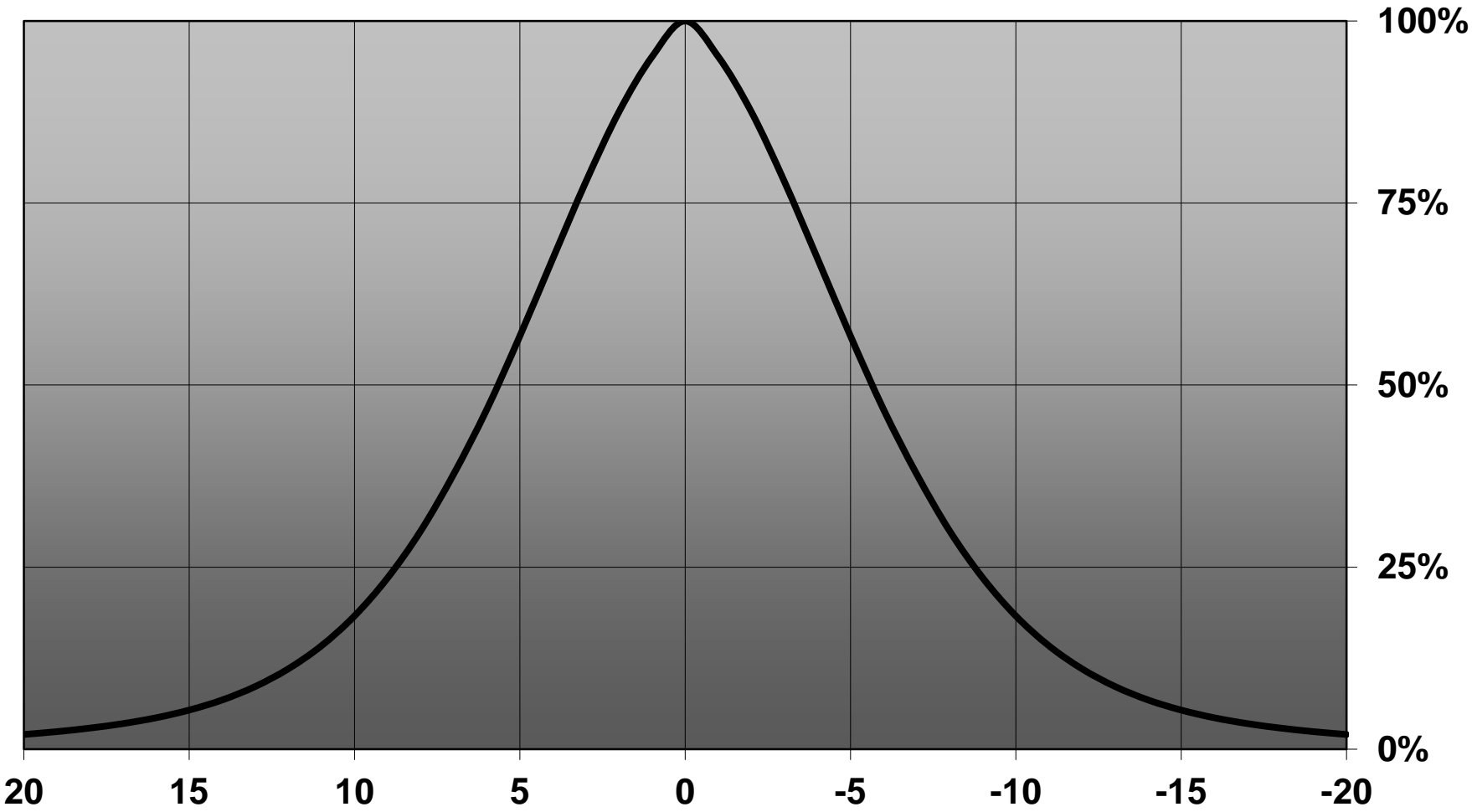
[http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94\\_Yellow%20Card.pdf](http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf)

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

Relative intensity of FA11739\_LXP-RS2-XPG

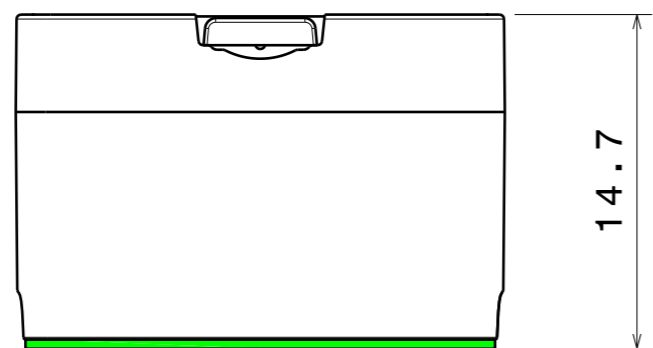


Relative intensity of CP11632\_LXP3-D-XPG

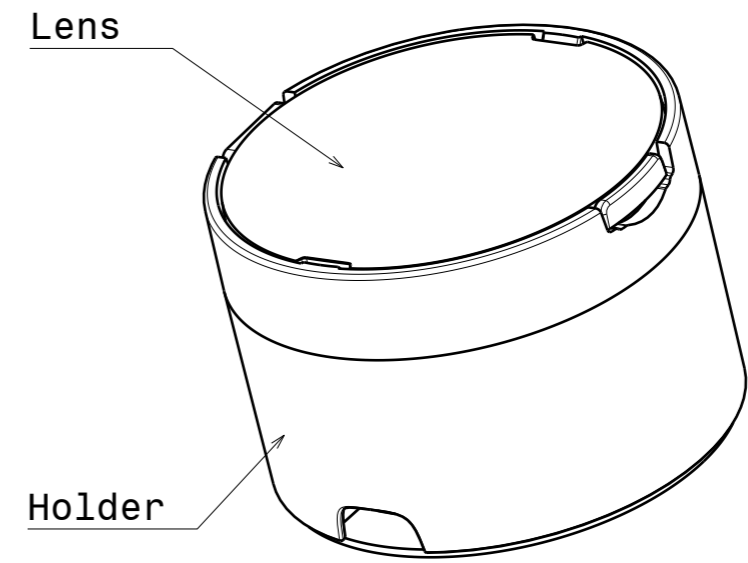




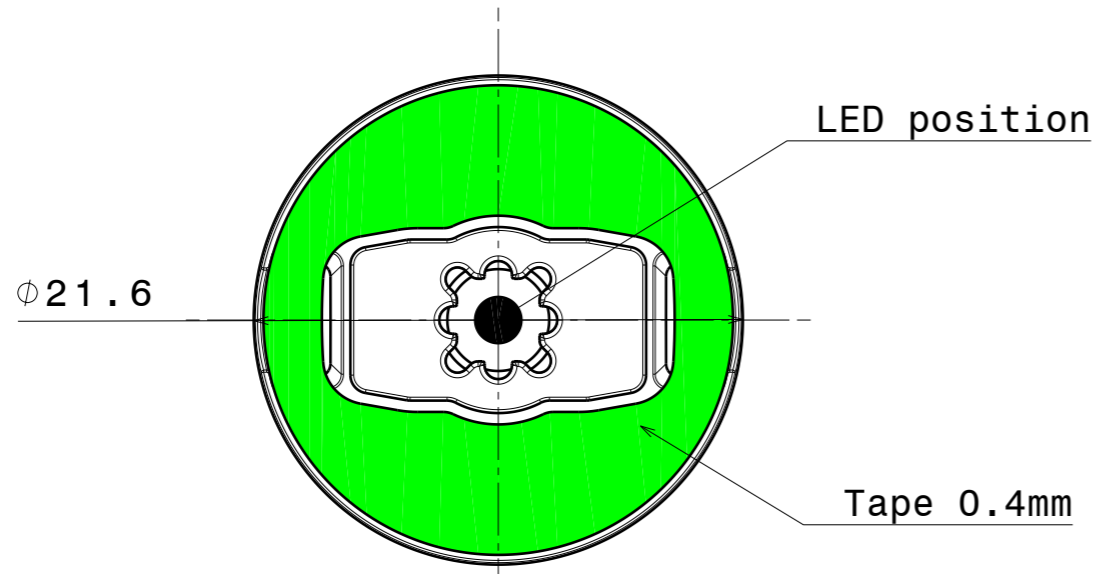
H G F E D C B A



Front view  
Scale: 3:1



Isometric view  
Scale: 3:1



Bottom view  
Scale: 3:1

INDEX	DESCRIPTION	MATERIAL	COLOUR
1	Lens	PMMA	
2	Holder	PC	black
3	Tape	PU 2-sided foam tape	adhesive

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C.  
According to DIN ISO 2768-2  
Form and position: class L

**LEDiL** LediL Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**Datasheet\_LXP-Series**

This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.

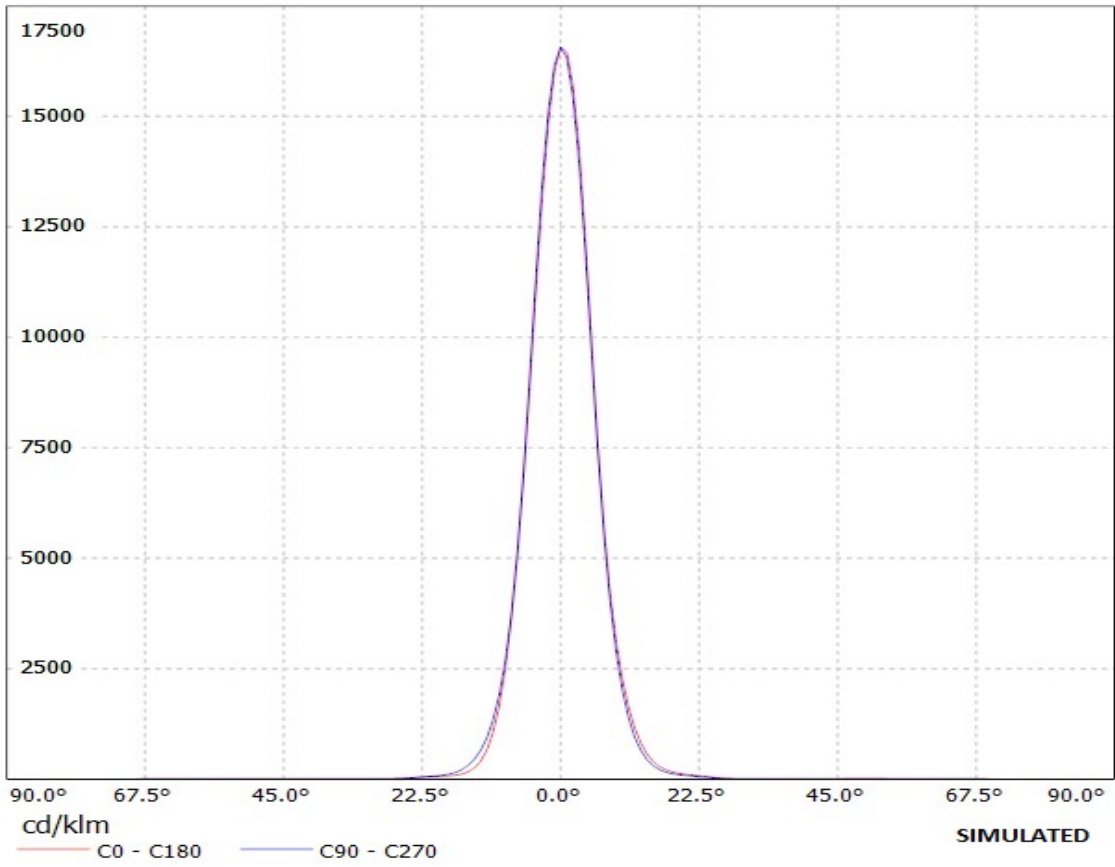
SIZE PART NUMBER  
**A3** -

SCALE 3:1 WEIGHT - SHEET 1/1

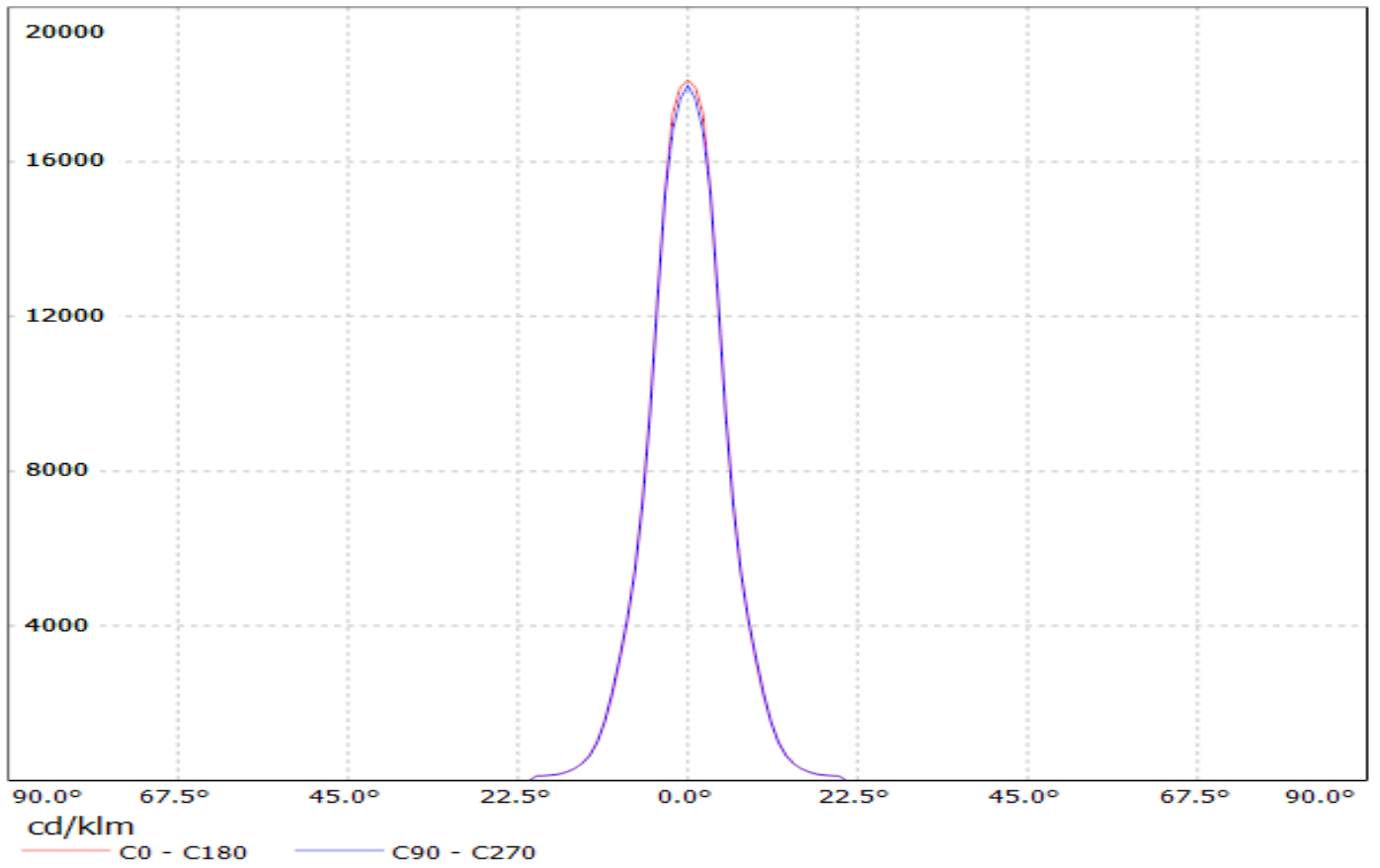
H G B A

Ledil Oy CA11481\_LXP2-G-RS LOR=94% / LDC (Linear)

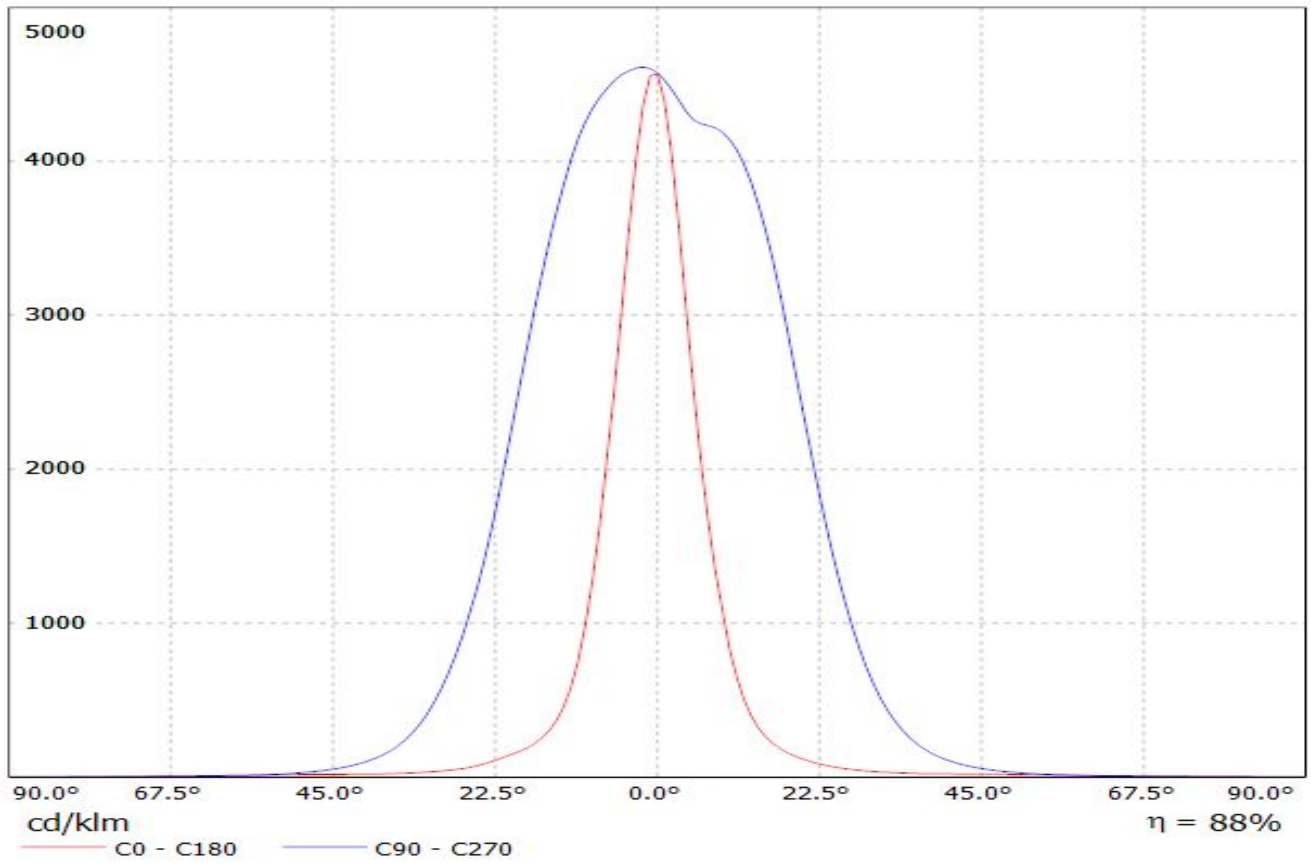
Luminaire: Ledil Oy CA11481\_LXP2-G-RS LOR=94%  
Lamps: 1 x Cree XP-G 89lm 250mA



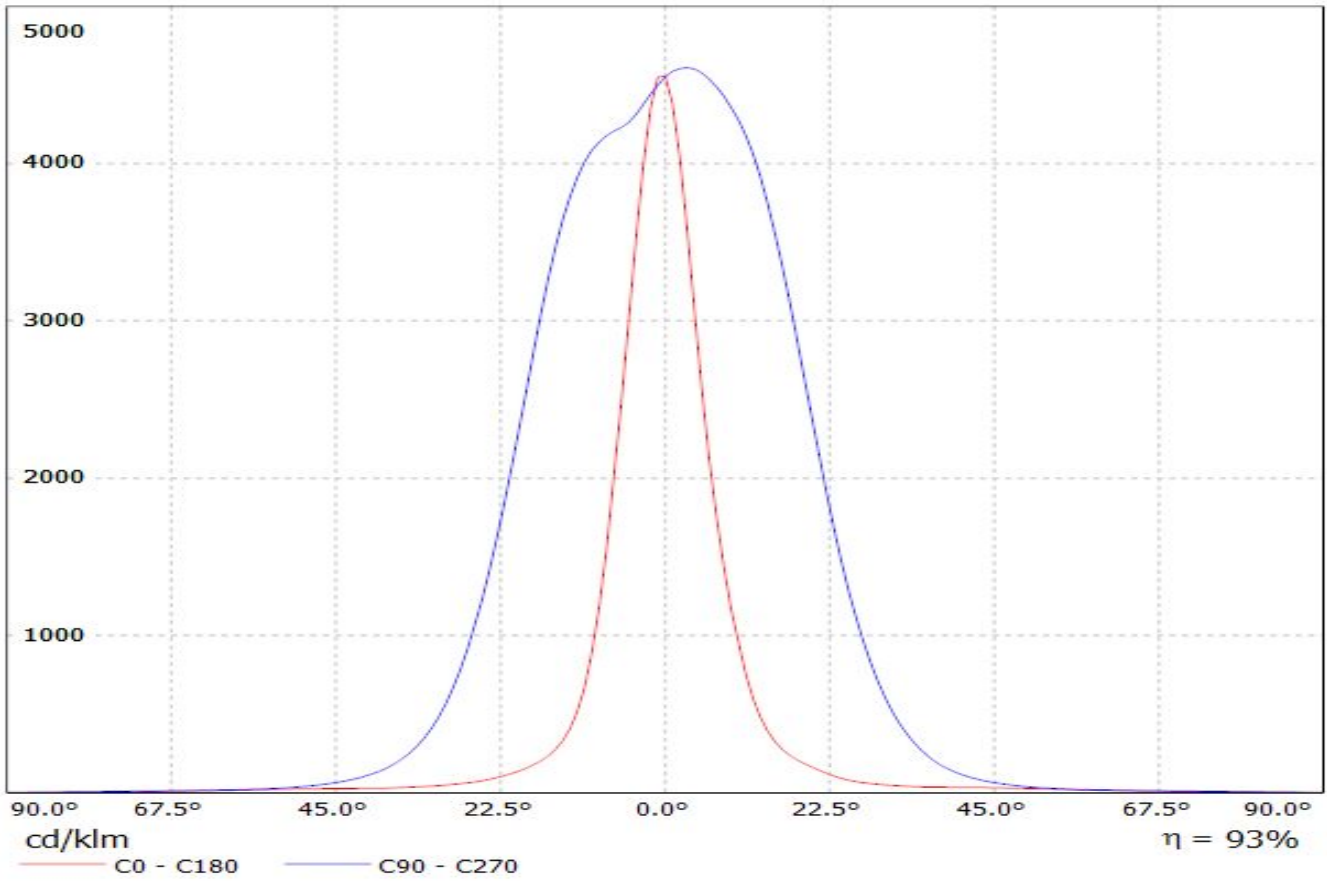
Luminaire: Ledil Oy FA10661\_LXP-G-RS FA10661\_LXP-G-RS  
Lamps: 1 x Cree XP-G (White)



Luminaire: LEDiL Oy CA11484\_LXP2-O-90\_(XP-G) Eff. 89%  
Lamps: 1 x Cree XP-G (66lm@250mA) CCT=warm white P=0.8W I=250mA

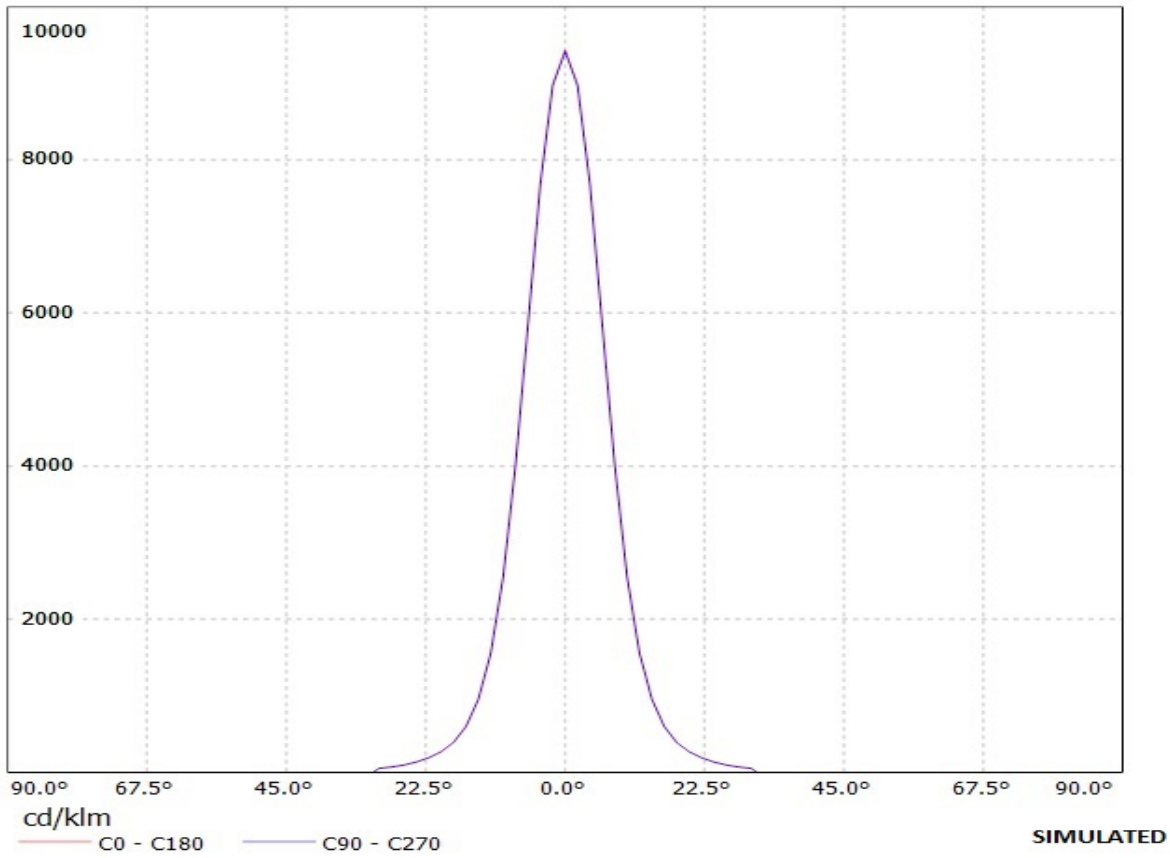


Luminaire: LEDiL Oy CP11634\_LXP3-O-90\_(XP-G) Eff. 93%  
Lamps: 1 x Cree XP-G (66lm@250mA) CCT=warm white P=0.8W I=250mA



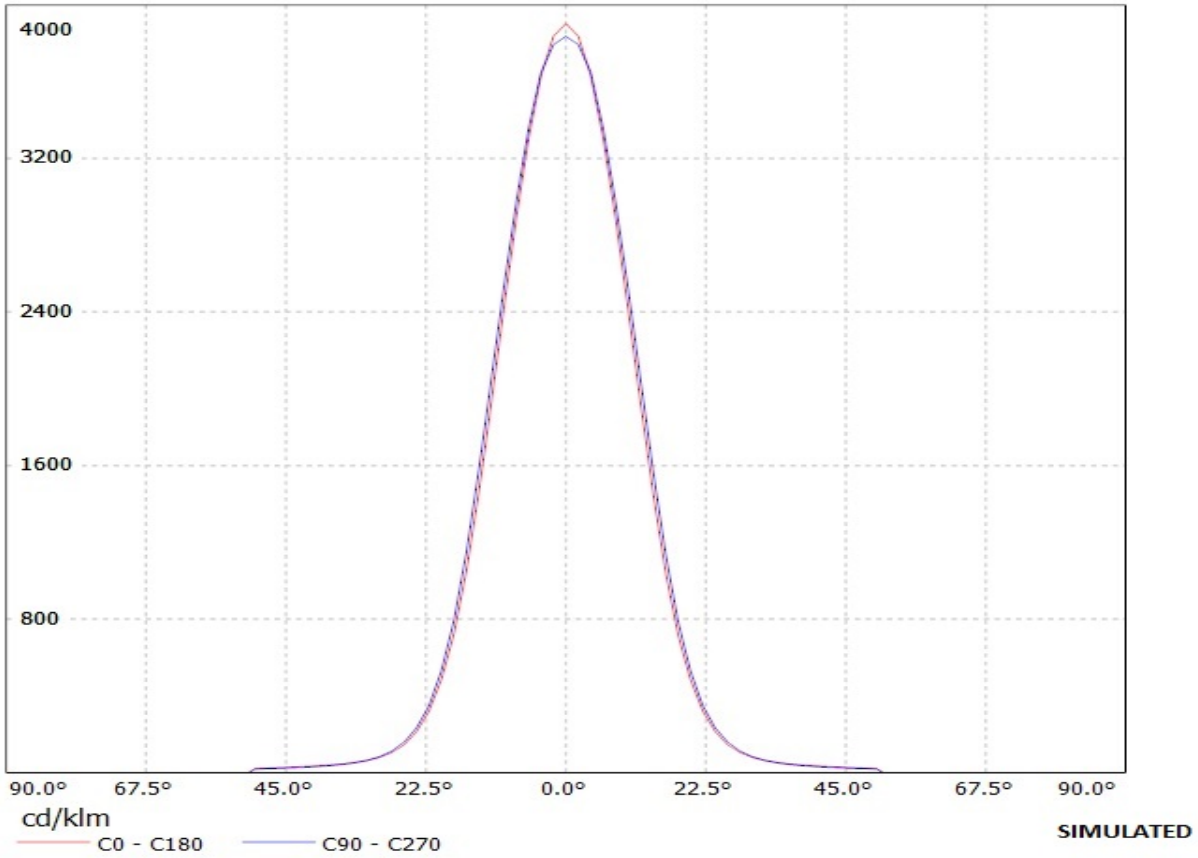
**Ledil Oy FA10663\_LXP-G-D FA10663\_LXP-G-D / LDC (Linear)**

Luminaire: Ledil Oy FA10663\_LXP-G-D FA10663\_LXP-G-D  
Lamps: 1 x Cree XP-G (White)

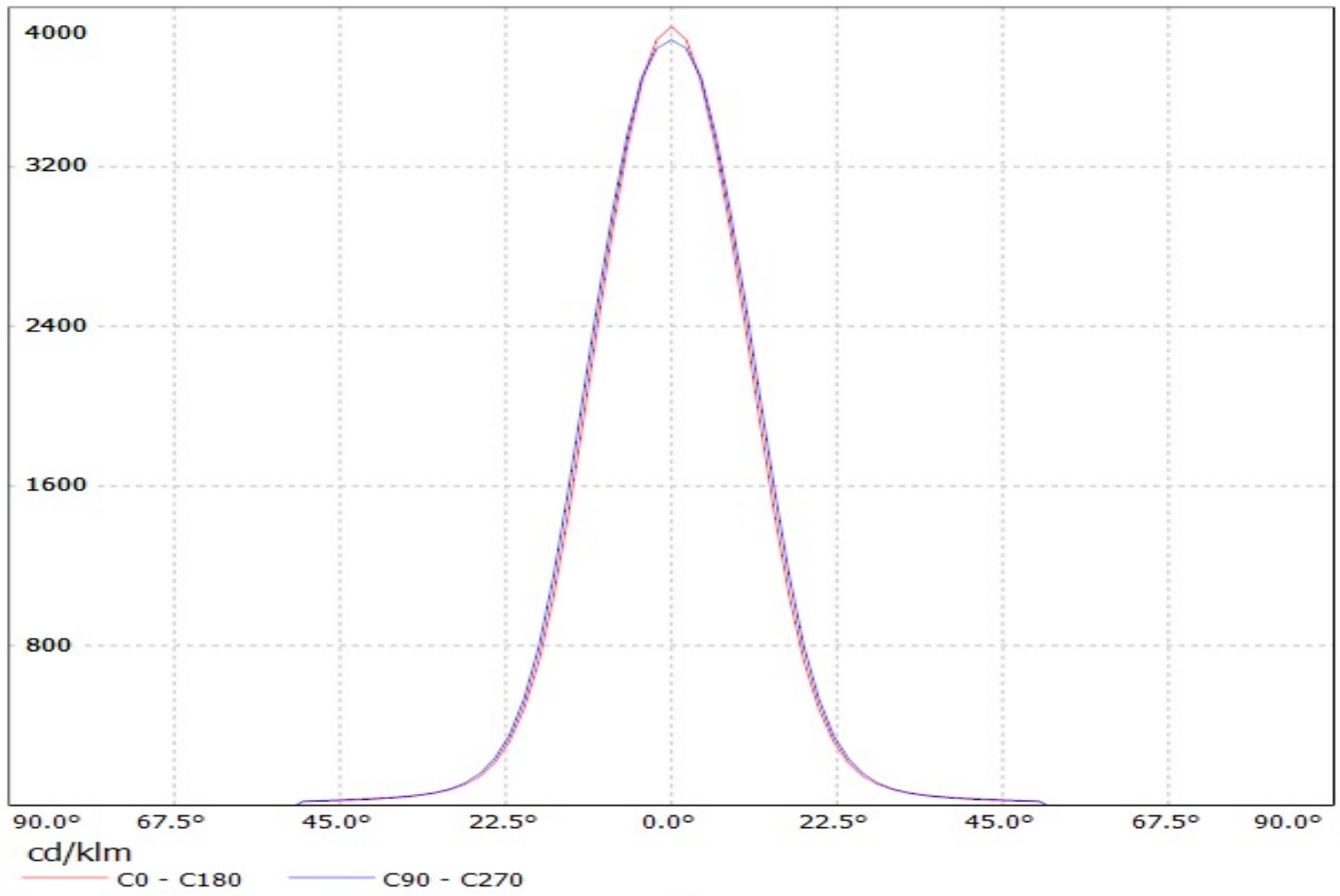


**Ledil Oy CA11482\_LXP2-D CA11482\_LXP2-D / LDC (Linear)**

Luminaire: Ledil Oy CA11482\_LXP2-D CA11482\_LXP2-D  
Lamps: 1 x Cree XP-G



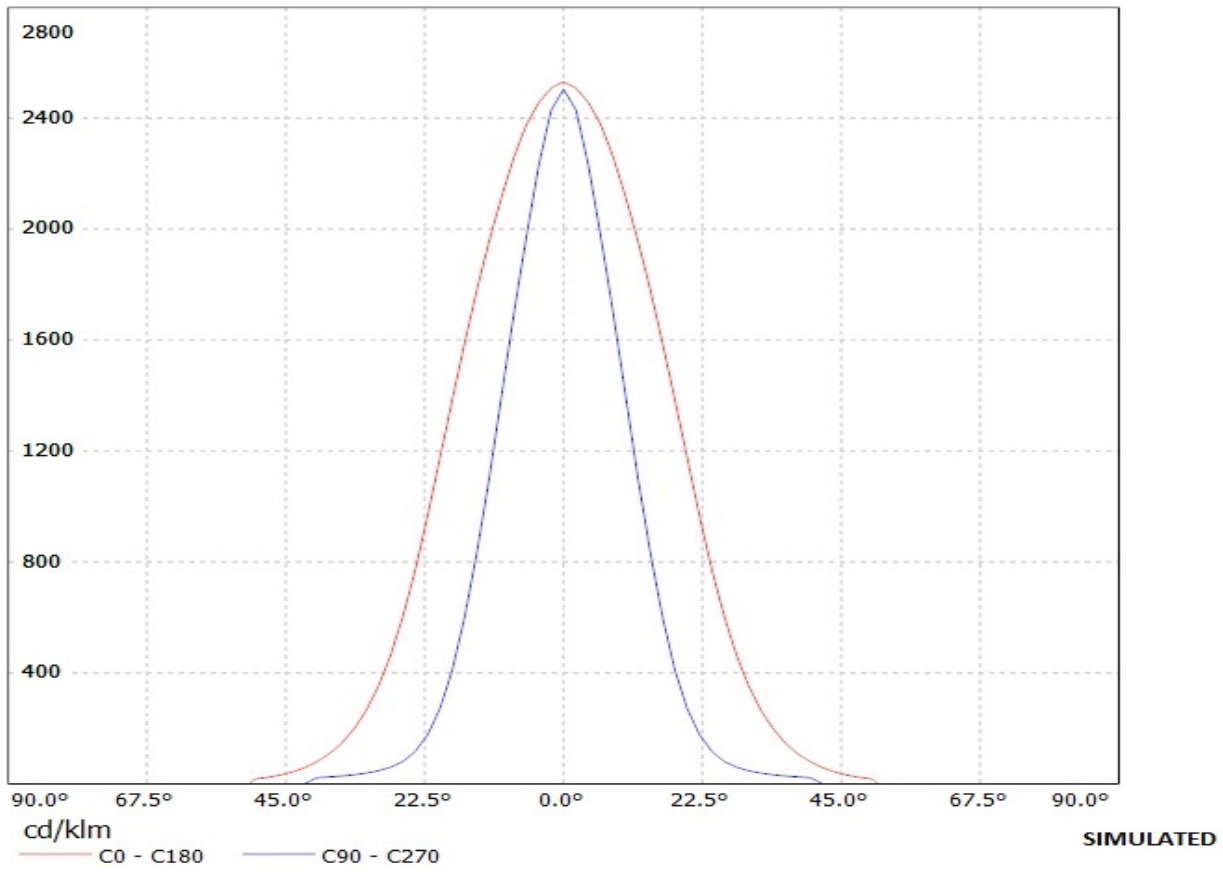
Luminaire: Ledil Oy CP11633\_LXP3-M (XP-G) CP11633\_LXP3-M (XP-G)  
Lamps: 1 x Cree XP-G



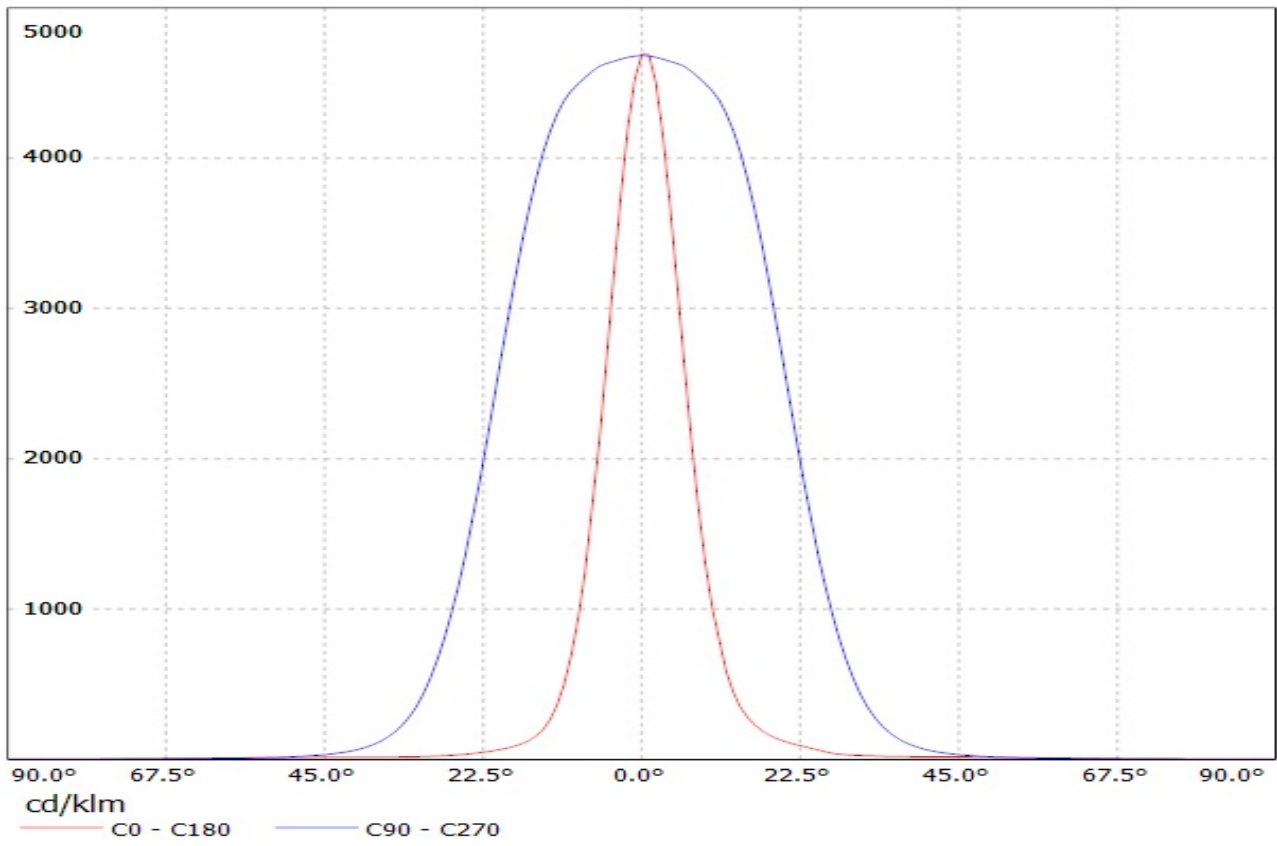


# Ledil Oy FA10662\_LXP-G-REC FA10662\_LXP-G-REC / LDC (Linear)

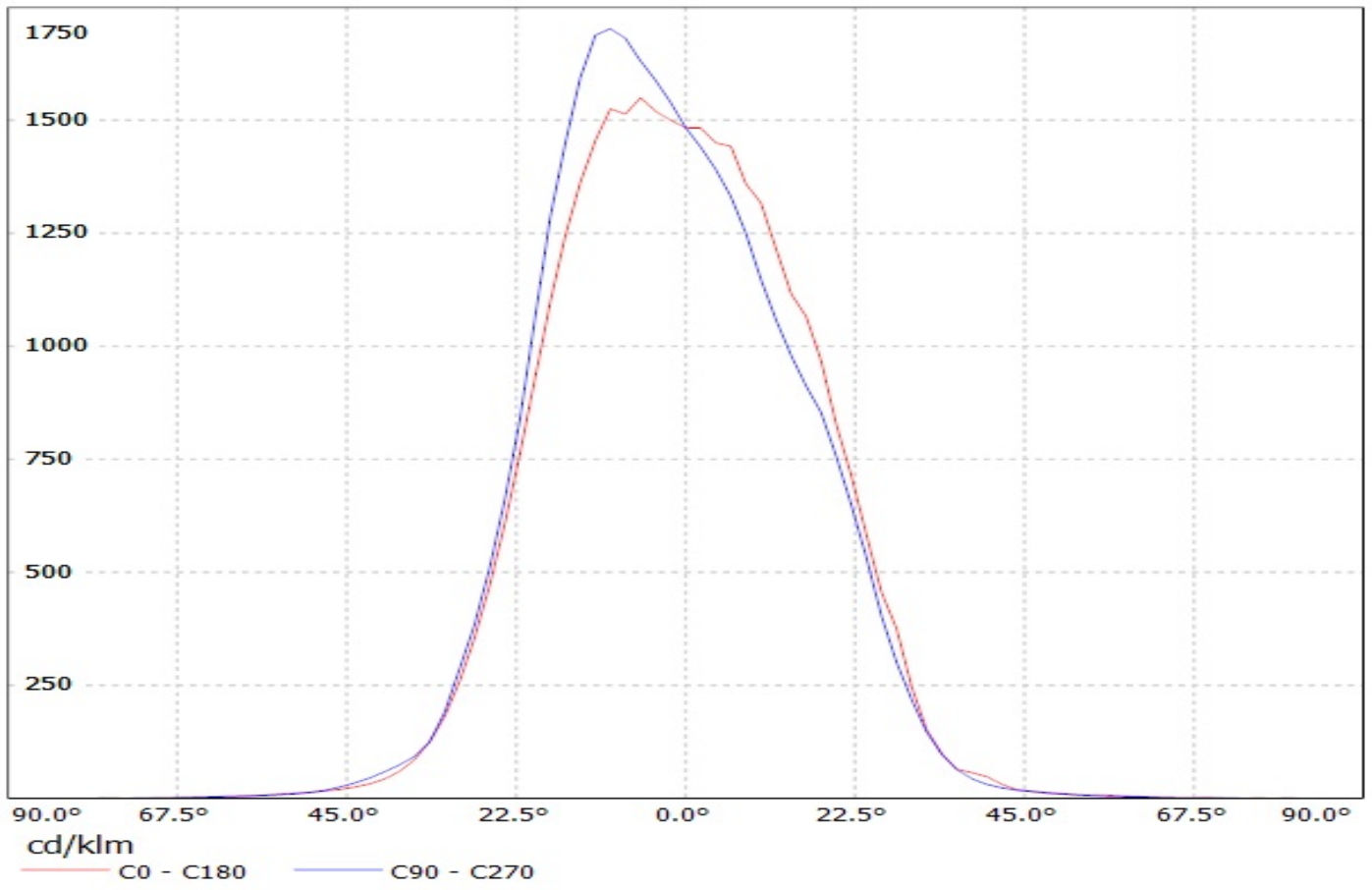
Luminaire: Ledil Oy FA10662\_LXP-G-REC FA10662\_LXP-G-REC  
Lamps: 1 x Cree XP-G (White)



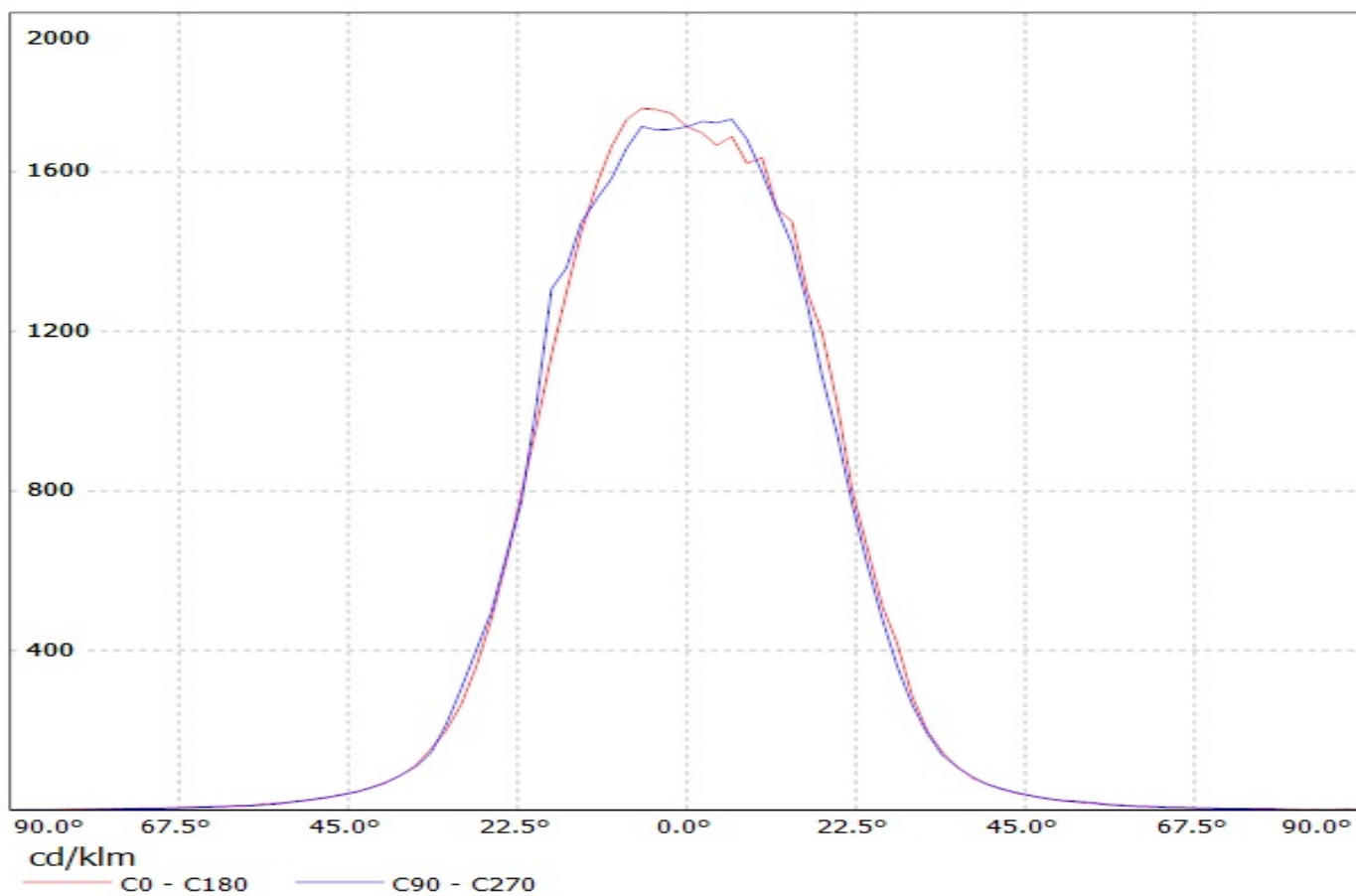
Luminaire: LEDIL OY FA11116-LXP-O-90 (XP-G) Efficiency=91%  
Lamps: 1 x Cree XP-G (86lm@250mA)



Luminaire: Ledil Oy CA12392\_LXP2-G-W (Cree XP-G 71lm @ 250mA) Efficiency=89%  
Lamps: 1 x Cree XP-G 89lm @ 250mA

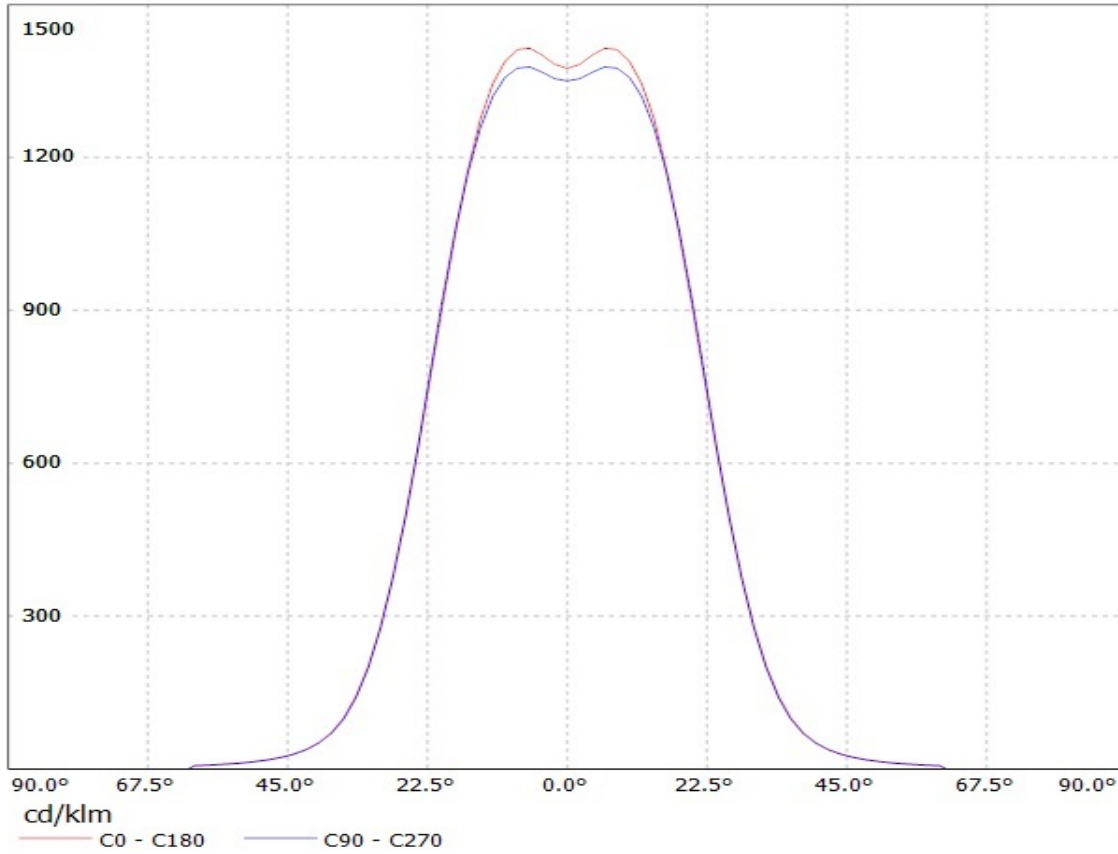


Luminaire: Ledil Oy CP12395\_LXP3-W (Cree XP-G 71lm @ 250mA) Efficiency=92%  
Lamps: 1 x Cree XP-G 71lm @ 250mA



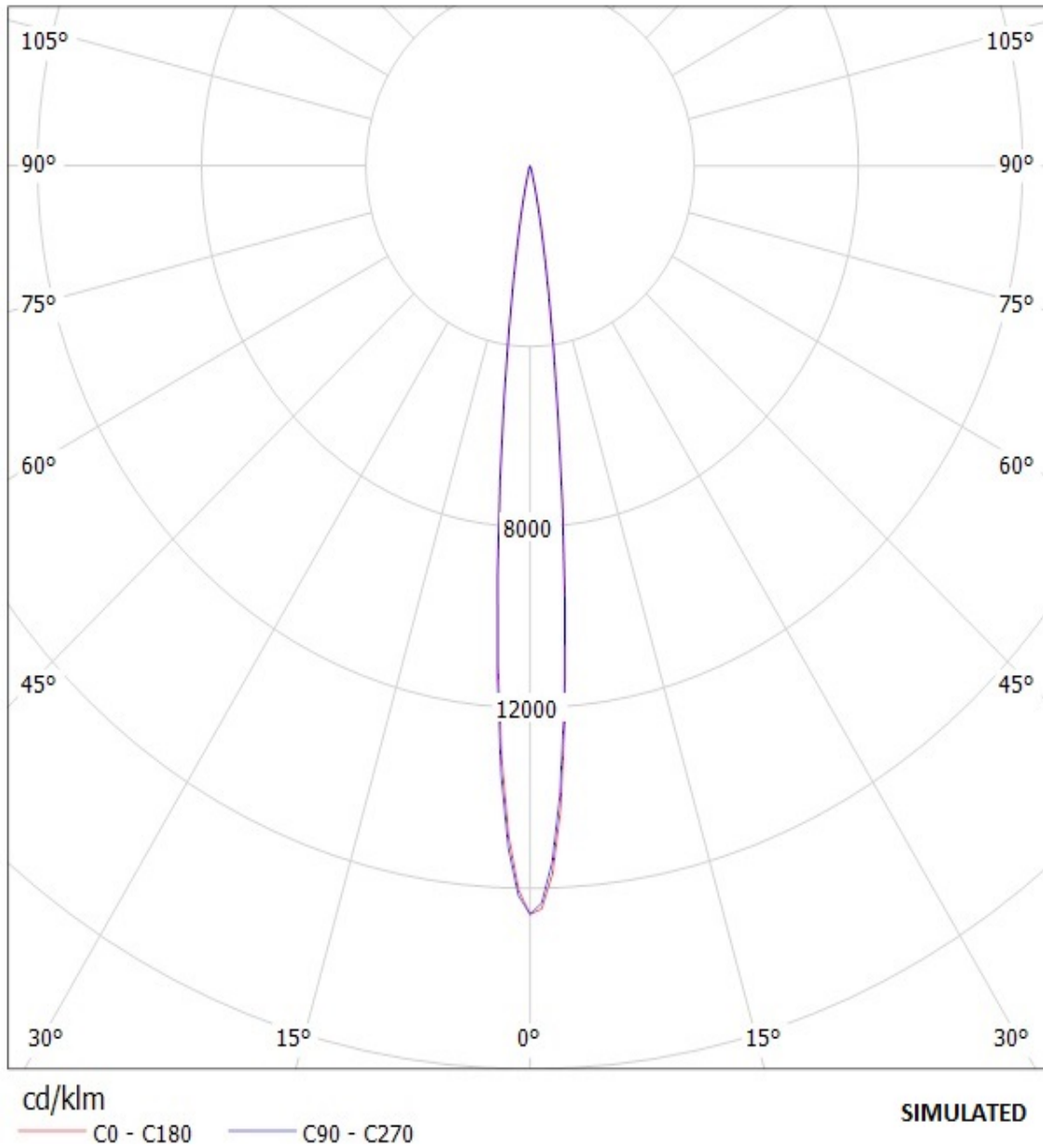
**Ledil Oy FA10832\_LXP-G-W FA10832\_LXP-G-W / LDC (Linear)**

Luminaire: Ledil Oy FA10832\_LXP-G-W FA10832\_LXP-G-W  
Lamps: 1 x Cree XP-G (White)

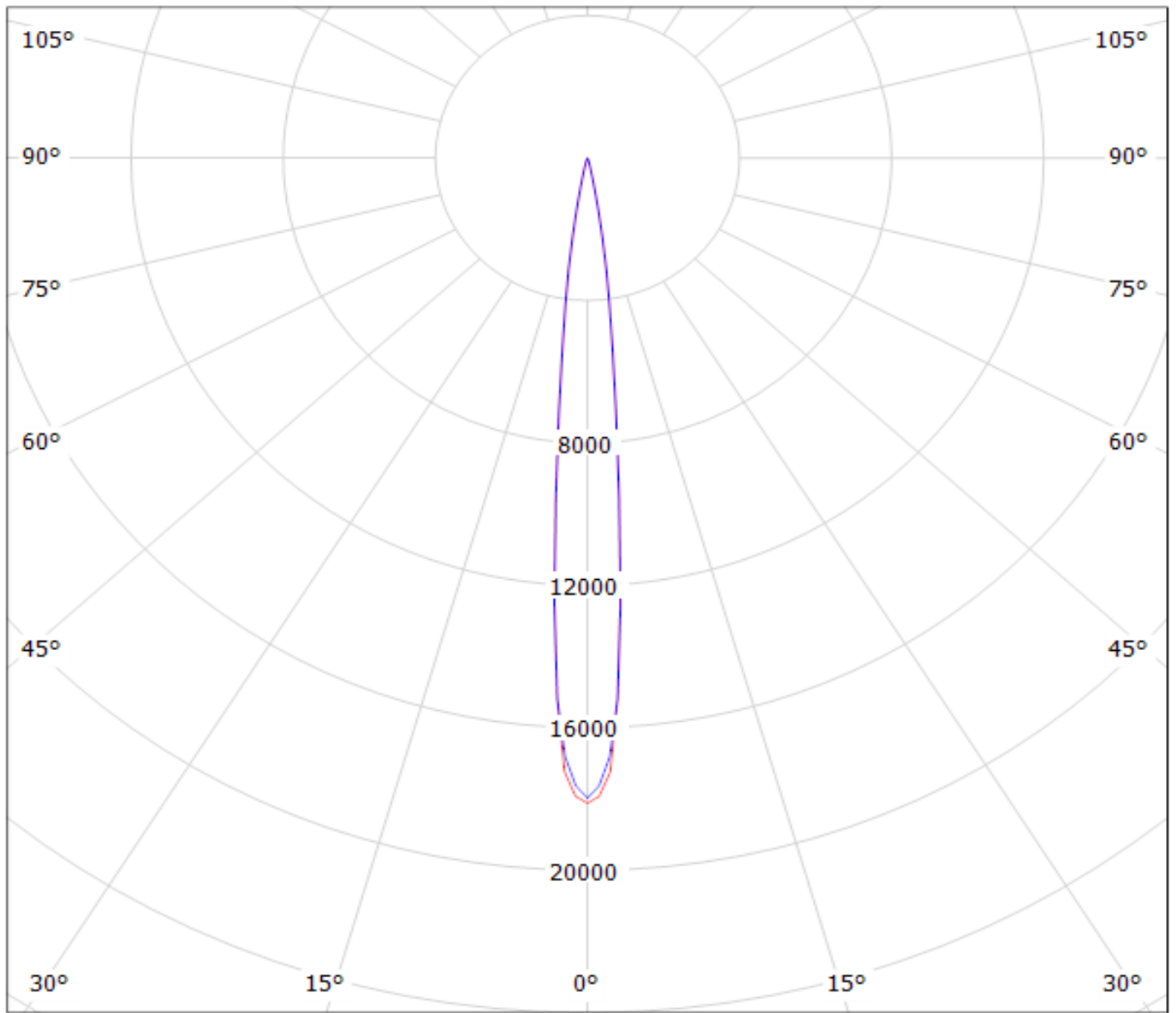


# Ledil Oy CA11481\_LXP2-G-RS LOR=94% / LDC (Polar)

Luminaire: Ledil Oy CA11481\_LXP2-G-RS LOR=94%  
Lamps: 1 x Cree XP-G 89lm 250mA



Luminaire: Ledil Oy FA10661\_LXP-G-RS FA10661\_LXP-G-RS  
Lamps: 1 x Cree XP-G (White)

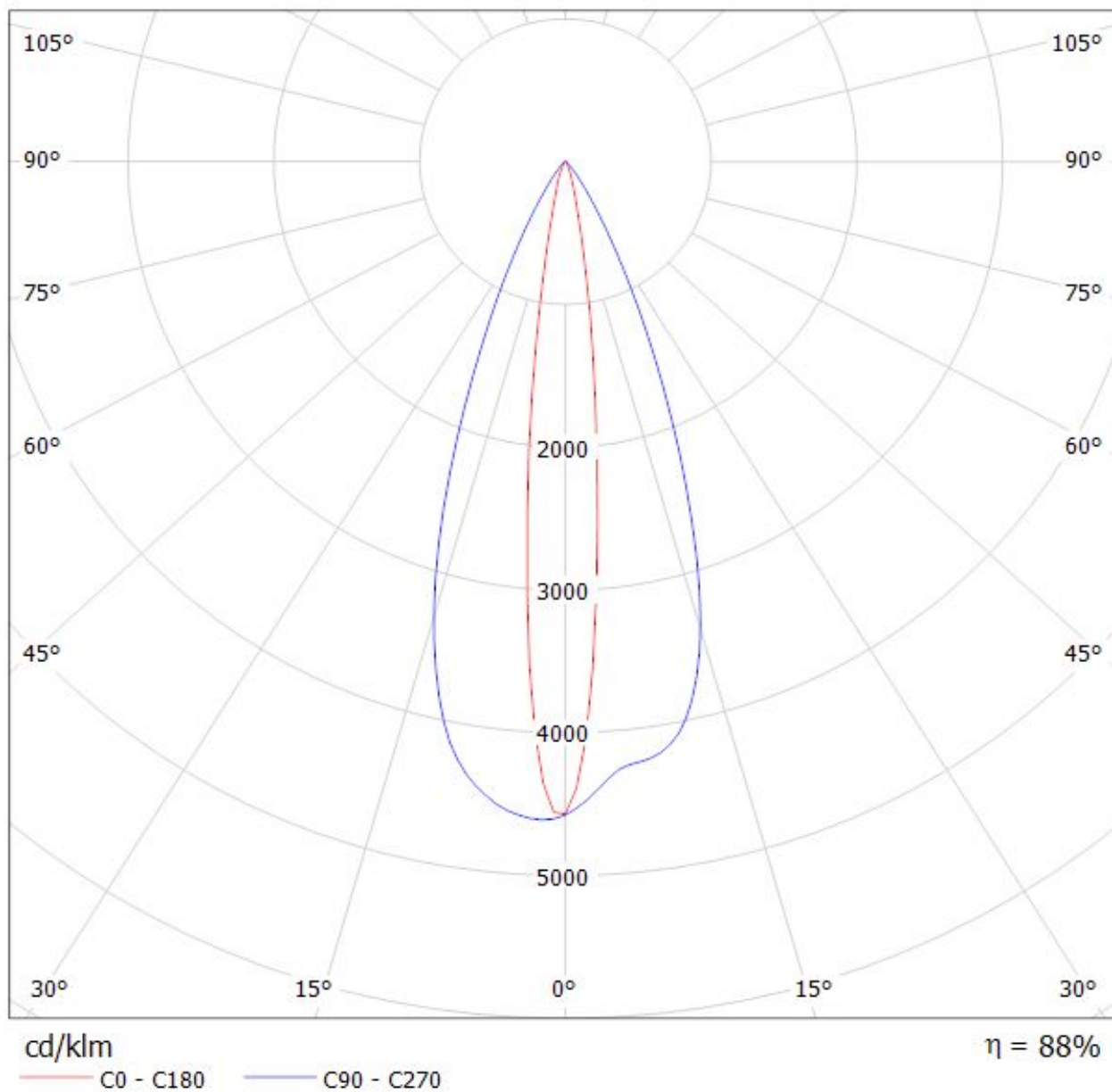


cd/klm

— C0 - C180

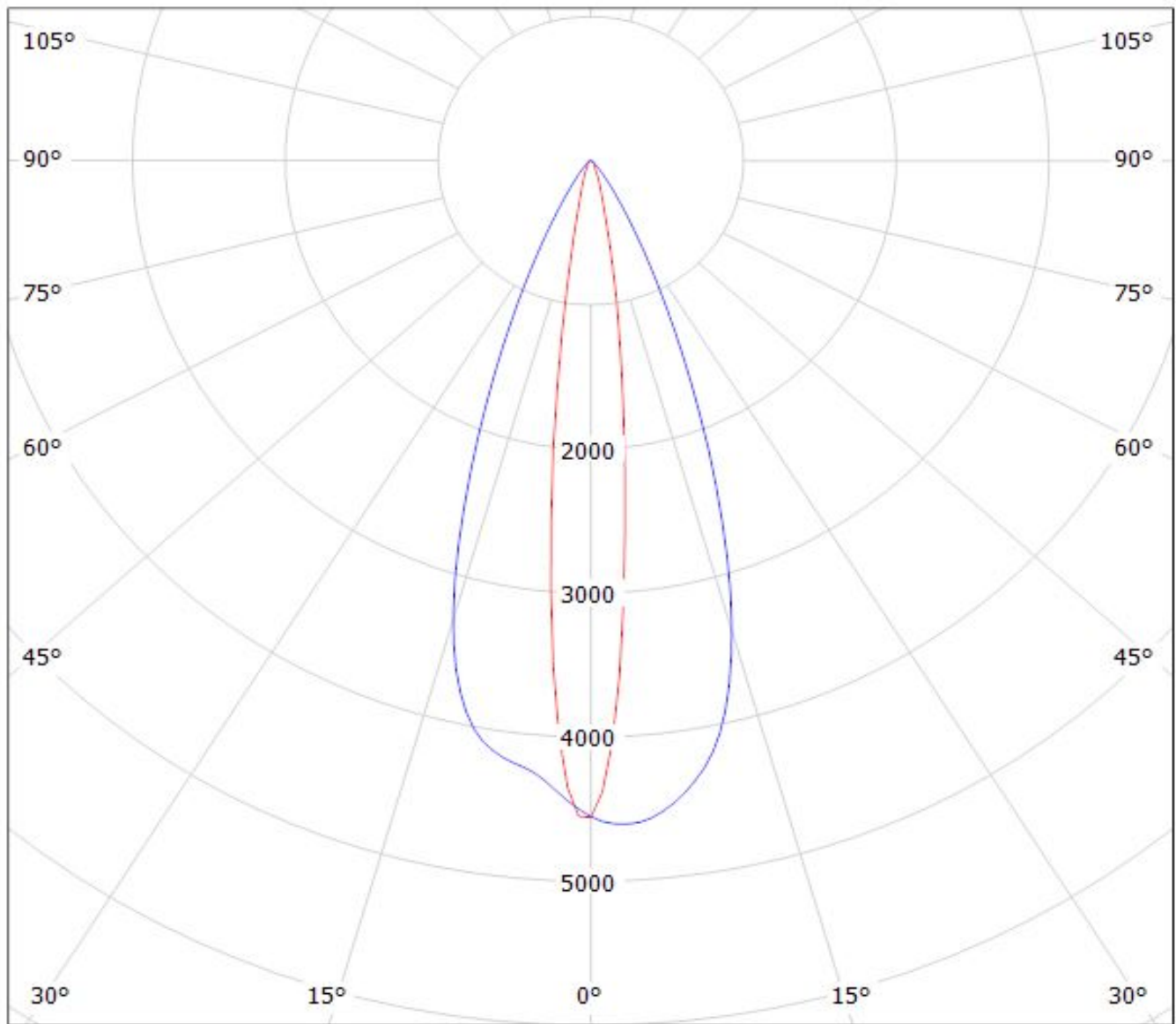
— C90 - C270

Luminaire: LEDiL Oy CA11484\_LXP2-O-90\_(XP-G) Eff. 89%  
Lamps: 1 x Cree XP-G (66lm@250mA) CCT=warm white P=0.8W I=250mA





Luminaire: LEDiL Oy CP11634\_LXP3-O-90 (XP-G) Eff. 93%  
Lamps: 1 x Cree XP-G (66lm@250mA) CCT=warm white P=0.8W I=250mA

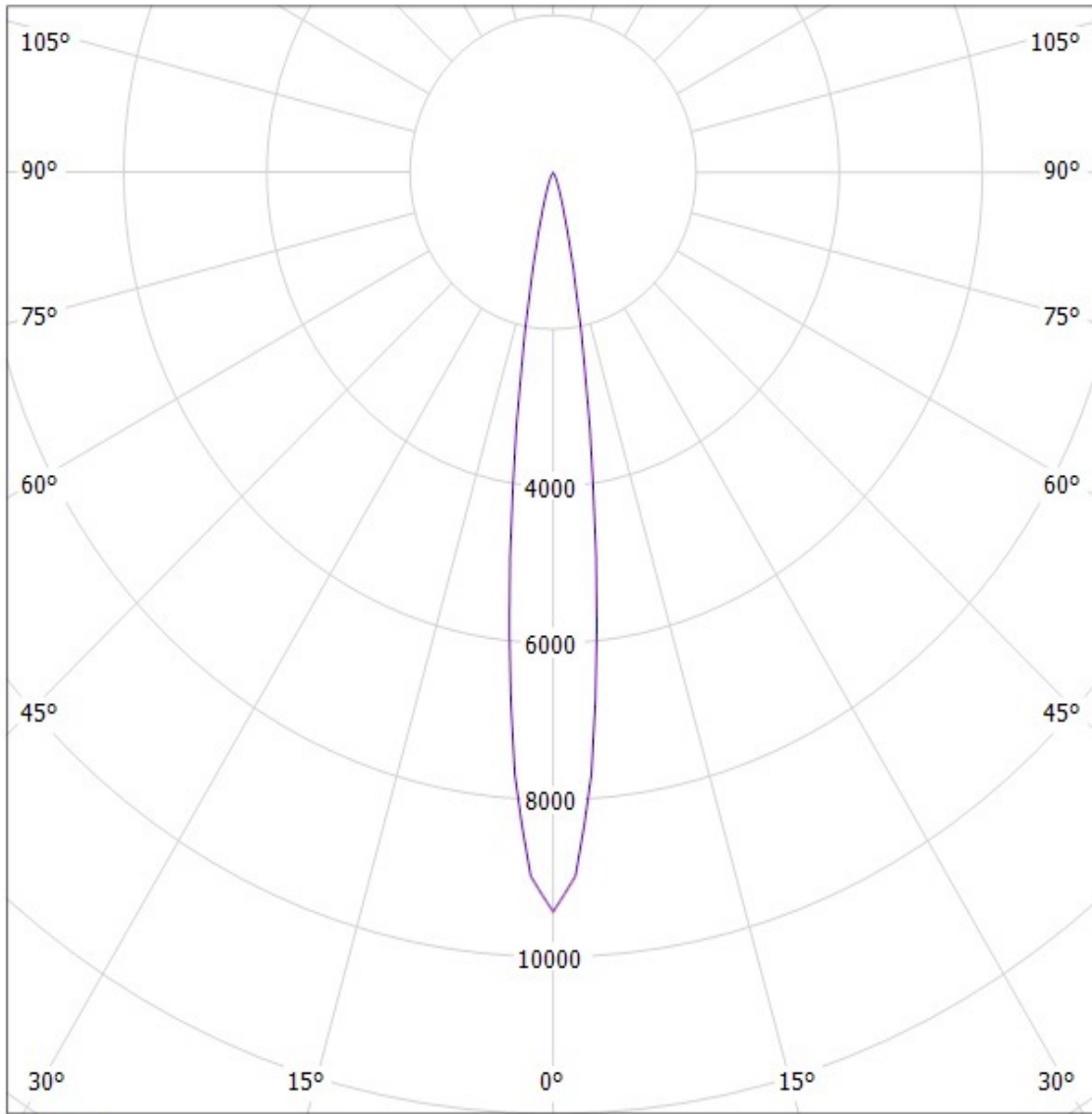


$\eta = 93\%$

cd/klm  
— C0 - C180    — C90 - C270

# Ledil Oy FA10663\_LXP-G-D FA10663\_LXP-G-D / LDC (Polar)

Luminaire: Ledil Oy FA10663\_LXP-G-D FA10663\_LXP-G-D  
Lamps: 1 x Cree XP-G (White)



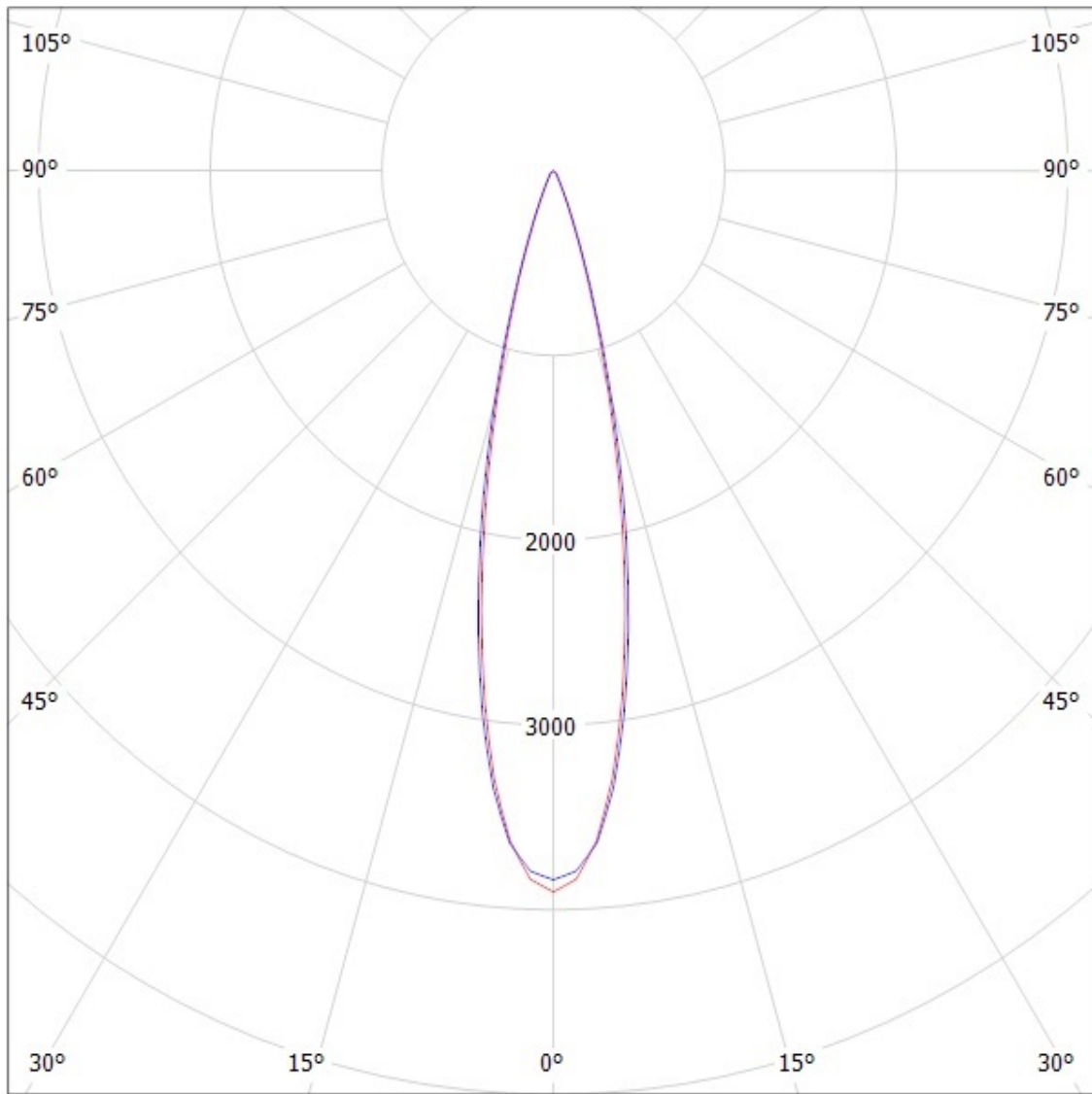
cd/klm

— C0 - C180 — C90 - C270

SIMULATED

# Ledil Oy CA11482\_LXP2-D CA11482\_LXP2-D / LDC (Polar)

Luminaire: Ledil Oy CA11482\_LXP2-D CA11482\_LXP2-D  
Lamps: 1 x Cree XP-G



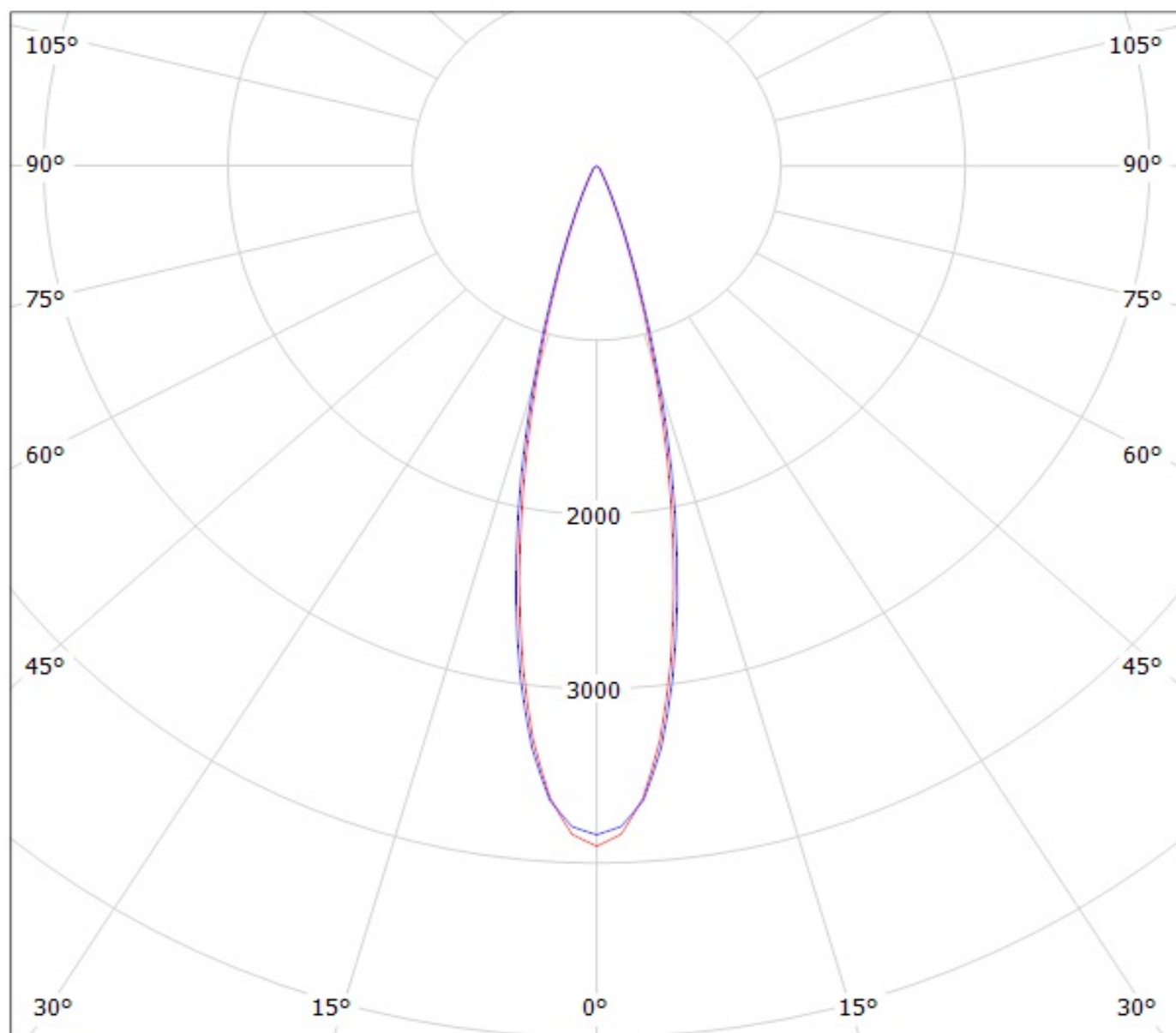
cd/klm

— C0 - C180

— C90 - C270

SIMULATED

Luminaire: Ledil Oy CP11633\_LXP3-M (XP-G) CP11633\_LXP3-M (XP-G)  
Lamps: 1 x Cree XP-G



cd/klm

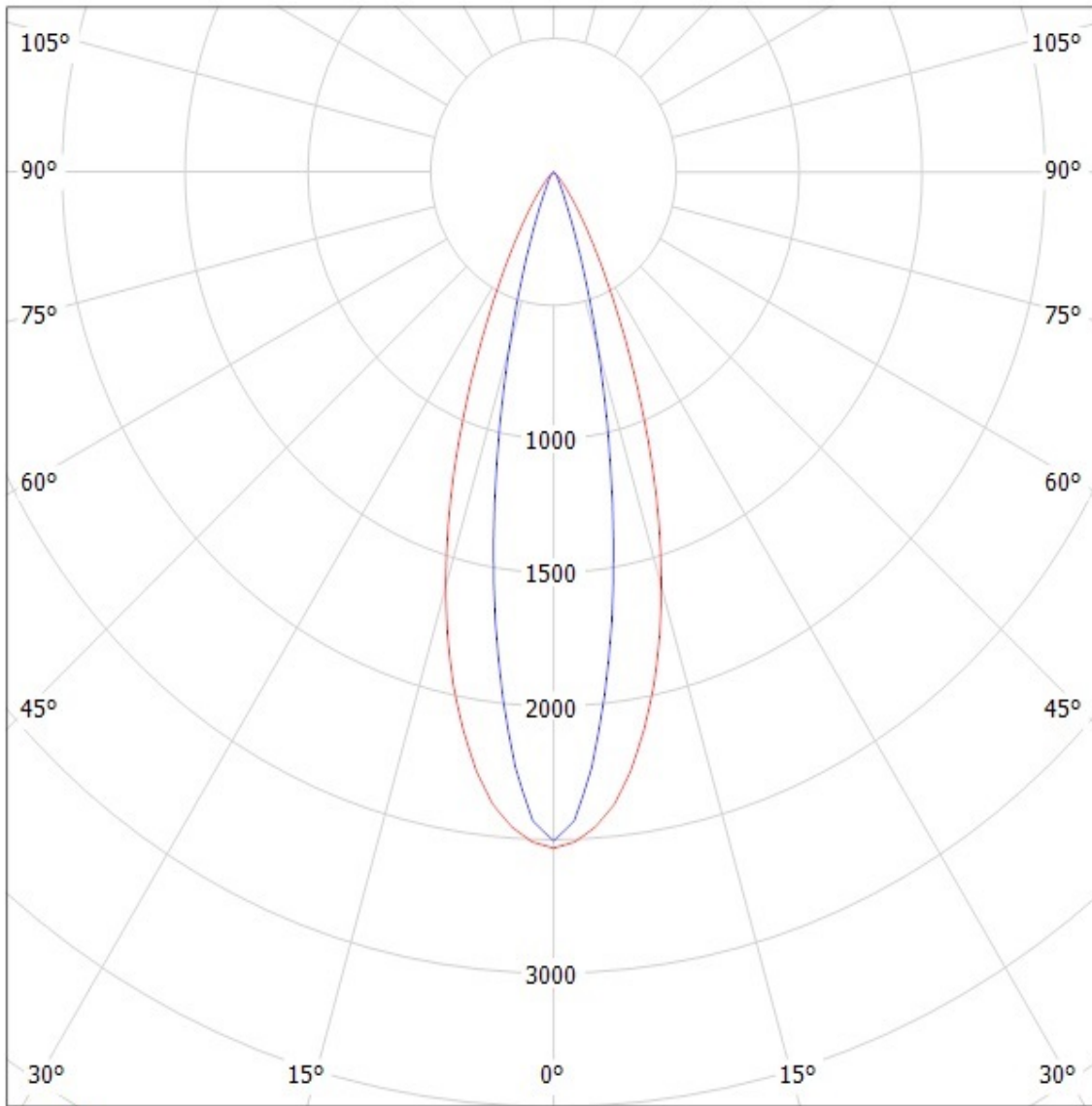
— C0 - C180

— C90 - C270

# Ledil Oy FA10662\_LXP-G-REC FA10662\_LXP-G-REC / LDC (Polar)

Luminaire: Ledil Oy FA10662\_LXP-G-REC FA10662\_LXP-G-REC

Lamps: 1 x Cree XP-G (White)



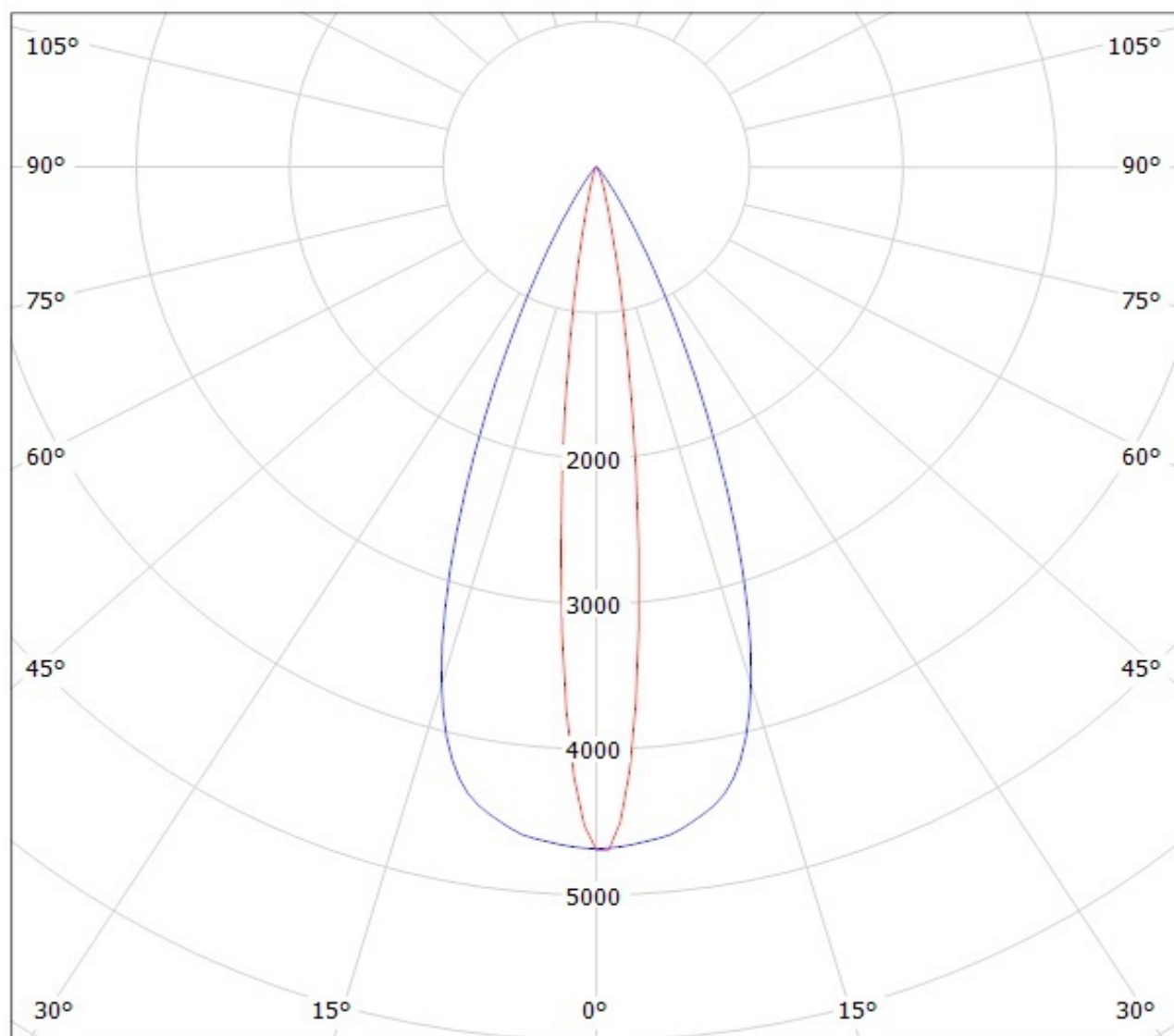
cd/klm

— C0 - C180 — C90 - C270

**SIMULATED**

Luminaire: LEDIL OY FA11116-LXP-O-90 (XP-G) Efficiency=91%

Lamps: 1 x Cree XP-G (86lm@250mA)

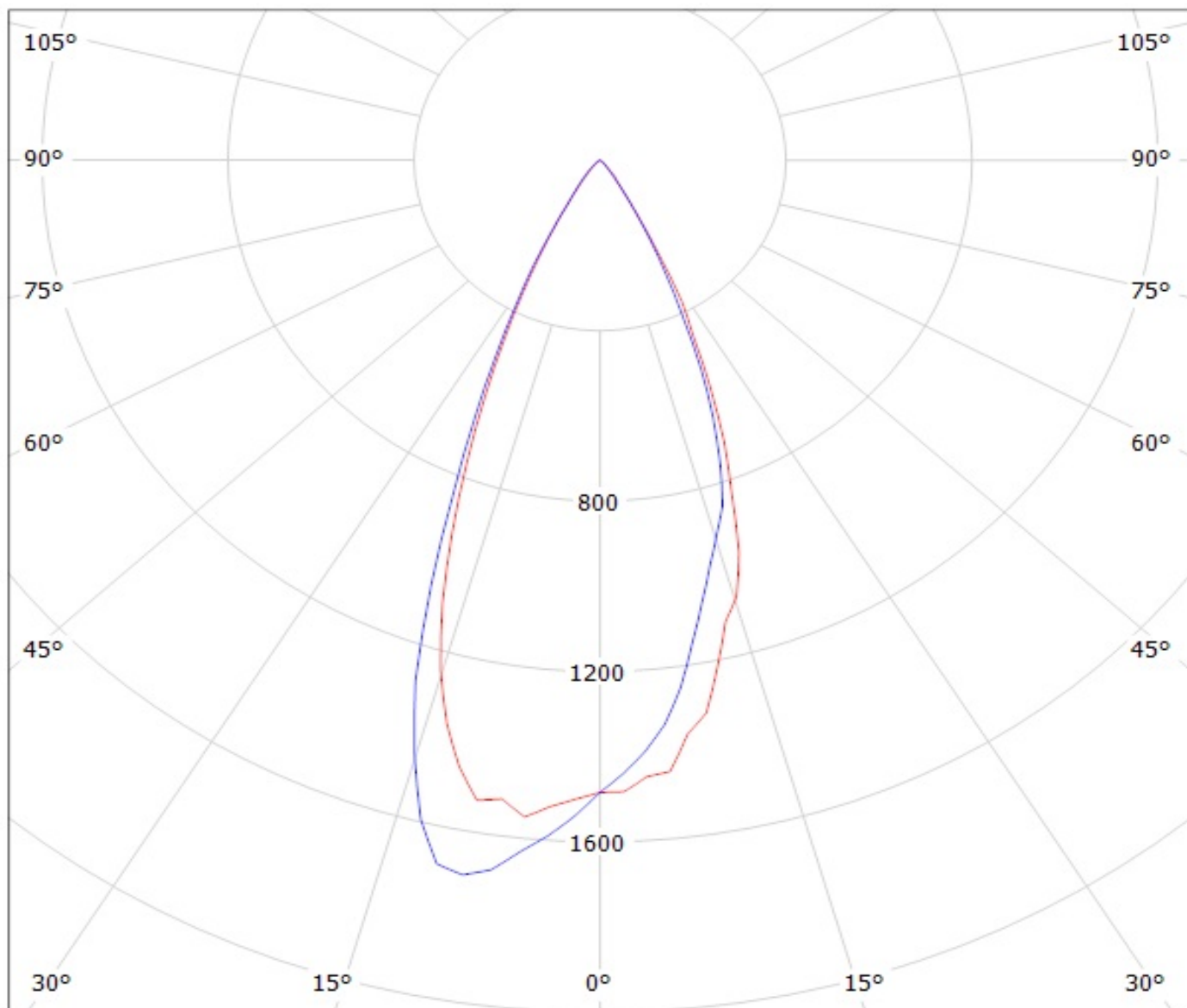


cd/klm

— C0 - C180

— C90 - C270

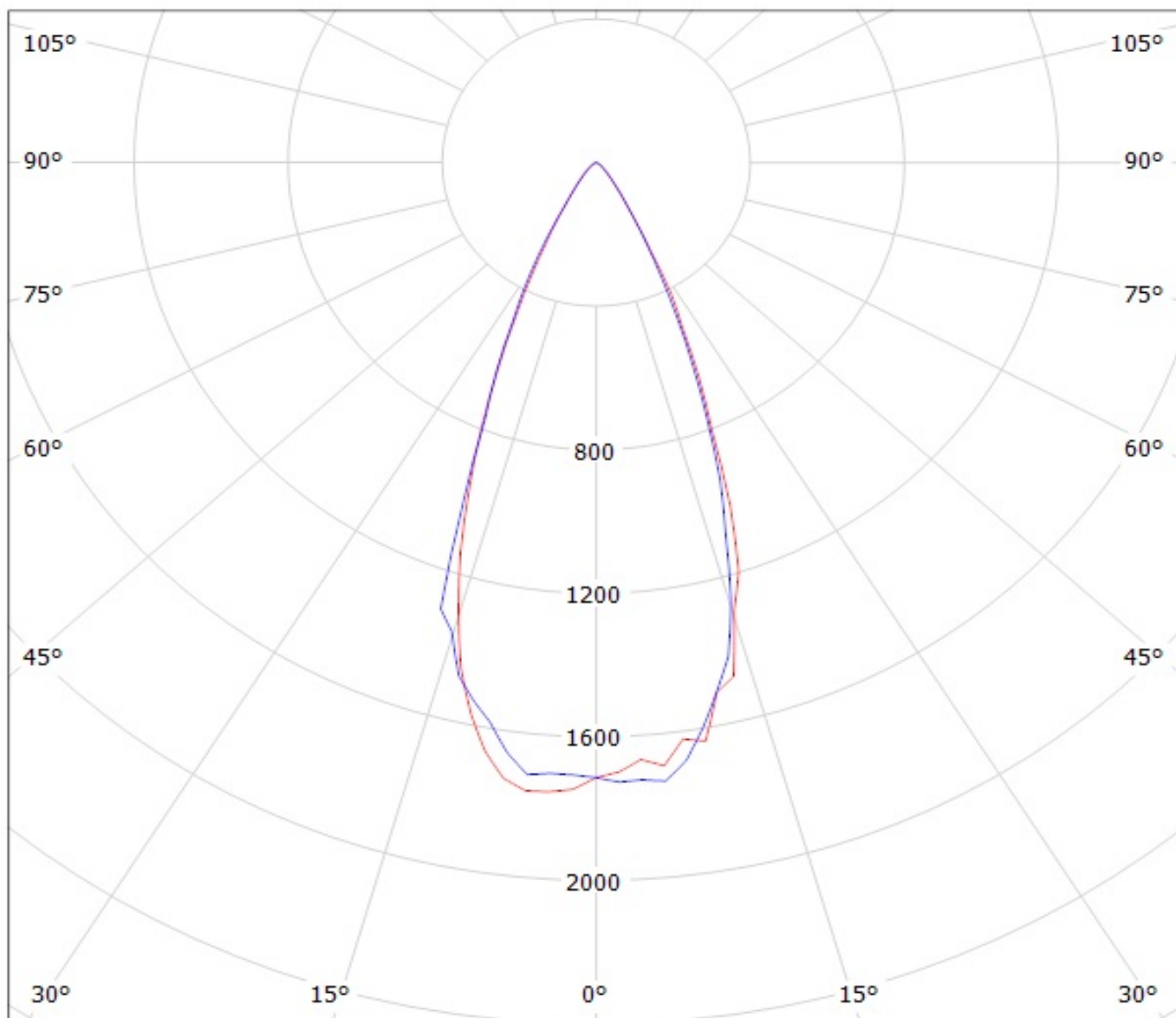
Luminaire: Ledil Oy CA12392\_LXP2-G-W (Cree XP-G 71lm @ 250mA) Efficiency=89%  
Lamps: 1 x Cree XP-G 89lm @ 250mA



cd/klm

— C0 - C180    — C90 - C270

Luminaire: Ledil Oy CP12395\_LXP3-W (Cree XP-G 71lm @ 250mA) Efficiency=92%  
Lamps: 1 x Cree XP-G 71lm @ 250mA



cd/klm

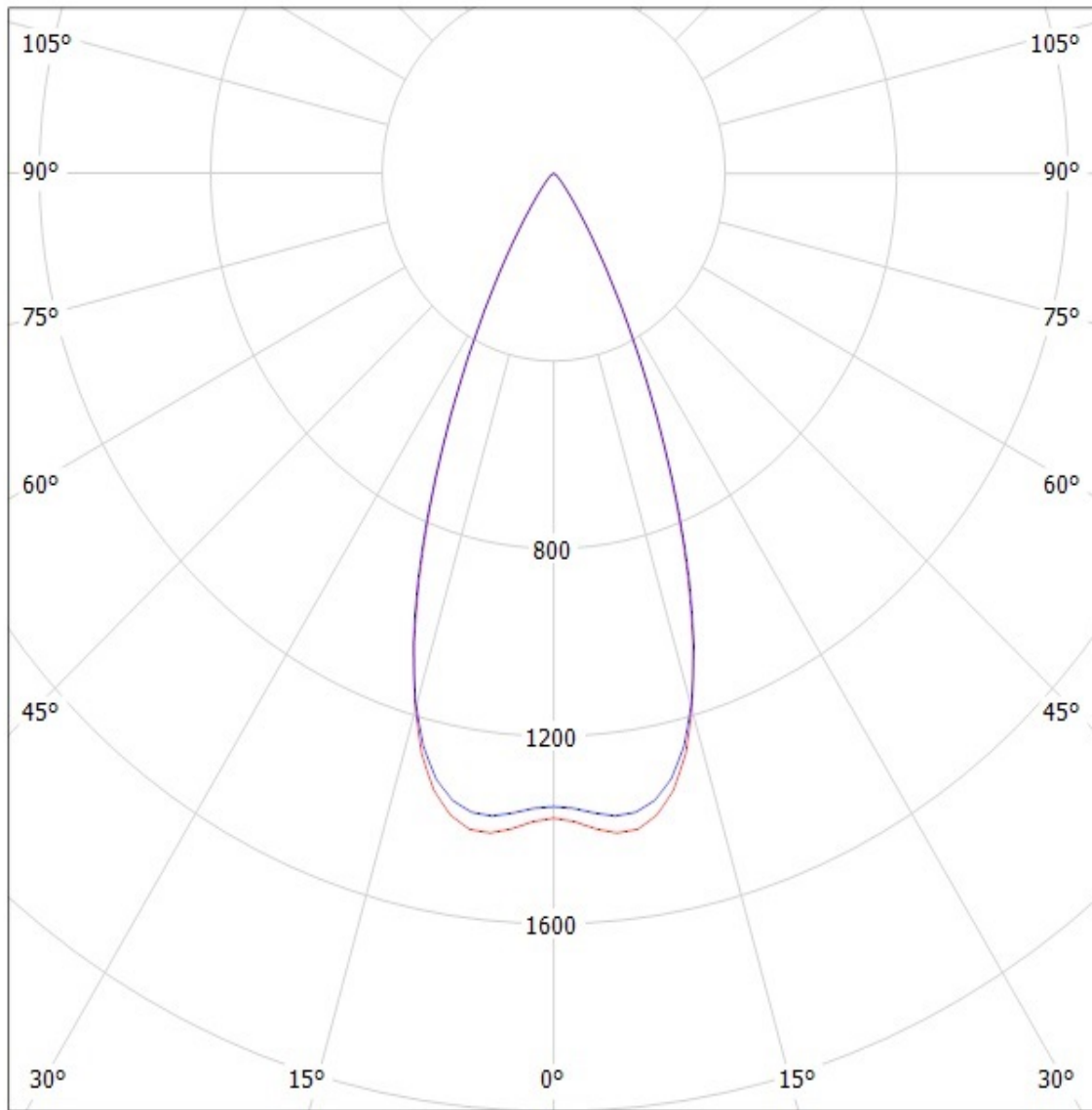
— C0 - C180

— C90 - C270



# Ledil Oy FA10832\_LXP-G-W FA10832\_LXP-G-W / LDC (Polar)

Luminaire: Ledil Oy FA10832\_LXP-G-W FA10832\_LXP-G-W  
Lamps: 1 x Cree XP-G (White)



cd/klm

— C0 - C180 — C90 - C270

**SIMULATED**