

**Product number C12041_EVA-S**

Family	Eva
Type	Lens
LED	XM-L
Color	Clear
Diameter	35 mm
Height	16.4 mm
Style	Round
Optic Material	PMMA
Holder Material	-
Fastening	-
Status	Production ready

FWHM	13 degrees
Efficiency	94 %
cd/Im	-
Gerber File	Available

Outer flange can be secured in fixture for hardware-free attachment

**Product number CA12055_EVA-S**

Family	Eva
Type	Assembly
LED	XM-L
Color	Black
Diameter	37.7 mm
Height	17.2 mm
Style	Round
Optic Material	PMMA
Holder Material	-
Fastening	["screw", "tape"]
Status	Production ready

FWHM	13 degrees
Efficiency	92 %
cd/Im	-
Gerber File	Available

**Product number CP12196_EVA-S**

Family	Eva
Type	Assembly
LED	XM-L
Color	Black
Diameter	37.7 mm
Height	17 mm
Style	Round
Optic Material	PMMA
Holder Material	-
Fastening	["glue", "screw"]
Status	Production ready

FWHM	13 degrees
Efficiency	94 %
cd/Im	-
Gerber File	Available

**Product number C12828_EVA-O**

Family	Eva
Type	Lens
LED	XM-L
Color	Clear
Diameter	35 mm
Height	16.4 mm
Style	Round
Optic Material	PMMA
Holder Material	-
Fastening	-
Status	Production ready

FWHM	15.5+39 degrees
Efficiency	86 %
cd/Im	3.300
Gerber File	Available

**Product number CA12859_EVA-O**

Family	Eva	FWHM	15.5+39 degrees
Type	Assembly	Efficiency	86 %
LED	XM-L	cd/Im	3.300
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CP12860_EVA-O**

Family	Eva	FWHM	15.5+39 degrees
Type	Assembly	Efficiency	86 %
LED	XM-L	cd/Im	3.300
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number C10684_EVA-D**

Family	Eva	FWHM	16 degrees
Type	Lens	Efficiency	91 %
LED	XM-L	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	35 mm		
Height	16.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Production ready		

Outer flange can be secured in fixture for hardware-free attachment.

**Product number CA12057_EVA-D**

Family	Eva	FWHM	16 degrees
Type	Assembly	Efficiency	90 %
LED	XM-L	cd/Im	-
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "screw"]		
Status	Production ready		

**Product number CP12197_EVA-D**

Family	Eva	FWHM	20 degrees
Type	Assembly	Efficiency	91 %
LED	XM-L	cd/Im	-
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "screw"]		
Status	Production ready		

**Product number C10685_EVA-M**

Family	Eva	FWHM	24 degrees
Type	Lens	Efficiency	88 %
LED	XM-L	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	35 mm		
Height	16.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Production ready		

Outer flange can be secured in fixture for hardware-free attachment

**Product number CA12058_EVA-M**

Family	Eva	FWHM	24 degrees
Type	Assembly	Efficiency	89 %
LED	XM-L	cd/Im	-
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "screw"]		
Status	Production ready		

**Product number CP12198_EVA-M**

Family	Eva	FWHM	24 degrees
Type	Assembly	Efficiency	88 %
LED	XM-L	cd/Im	-
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "screw"]		
Status	Production ready		

**Product number C10686_EVA-W**

Family	Eva
Type	Lens
LED	XM-L
Color	Clear
Diameter	35 mm
Height	16.4 mm
Style	Round
Optic Material	PMMA
Holder Material	-
Fastening	-
Status	Production ready

FWHM	40 degrees
Efficiency	79 %
cd/Im	-
Gerber File	Available

Outer flange can be secured in fixture for hardware-free attachment

**Product number CA12059_EVA-W**

Family	Eva
Type	Assembly
LED	XM-L
Color	Black
Diameter	37.7 mm
Height	17.2 mm
Style	Round
Optic Material	PMMA
Holder Material	-
Fastening	["tape", "screw"]
Status	Production ready

FWHM	40 degrees
Efficiency	83 %
cd/Im	-
Gerber File	Available

**Product number CP12199_EVA-W**

Family	Eva
Type	Assembly
LED	XM-L
Color	Black
Diameter	37.7 mm
Height	17 mm
Style	Round
Optic Material	PMMA
Holder Material	-
Fastening	["screw", "glue"]
Status	Production ready

FWHM	40 degrees
Efficiency	79 %
cd/Im	-
Gerber File	Available

**Product number C10909_EVA-WW**

Family	Eva
Type	Lens
LED	XM-L
Color	Clear
Diameter	35 mm
Height	16.4 mm
Style	Round
Optic Material	PMMA
Holder Material	-
Fastening	-
Status	Production ready

FWHM	64 degrees
Efficiency	77 %
cd/Im	-
Gerber File	Available

Outer flange can be secured in fixture for hardware-free attachment

**Product number** CA12060_EVA-WW

Family	Eva	FWHM	64 degrees
Type	Assembly	Efficiency	79 %
LED	XM-L	cd/Im	-
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "tape"]		
Status	Production ready		

**Product number** CP12200_EVA-WW

Family	Eva	FWHM	64 degrees
Type	Assembly	Efficiency	77 %
LED	XM-L	cd/Im	-
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "glue"]		
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

Eva series

last update 20/12/2012

GENERAL INFORMATION

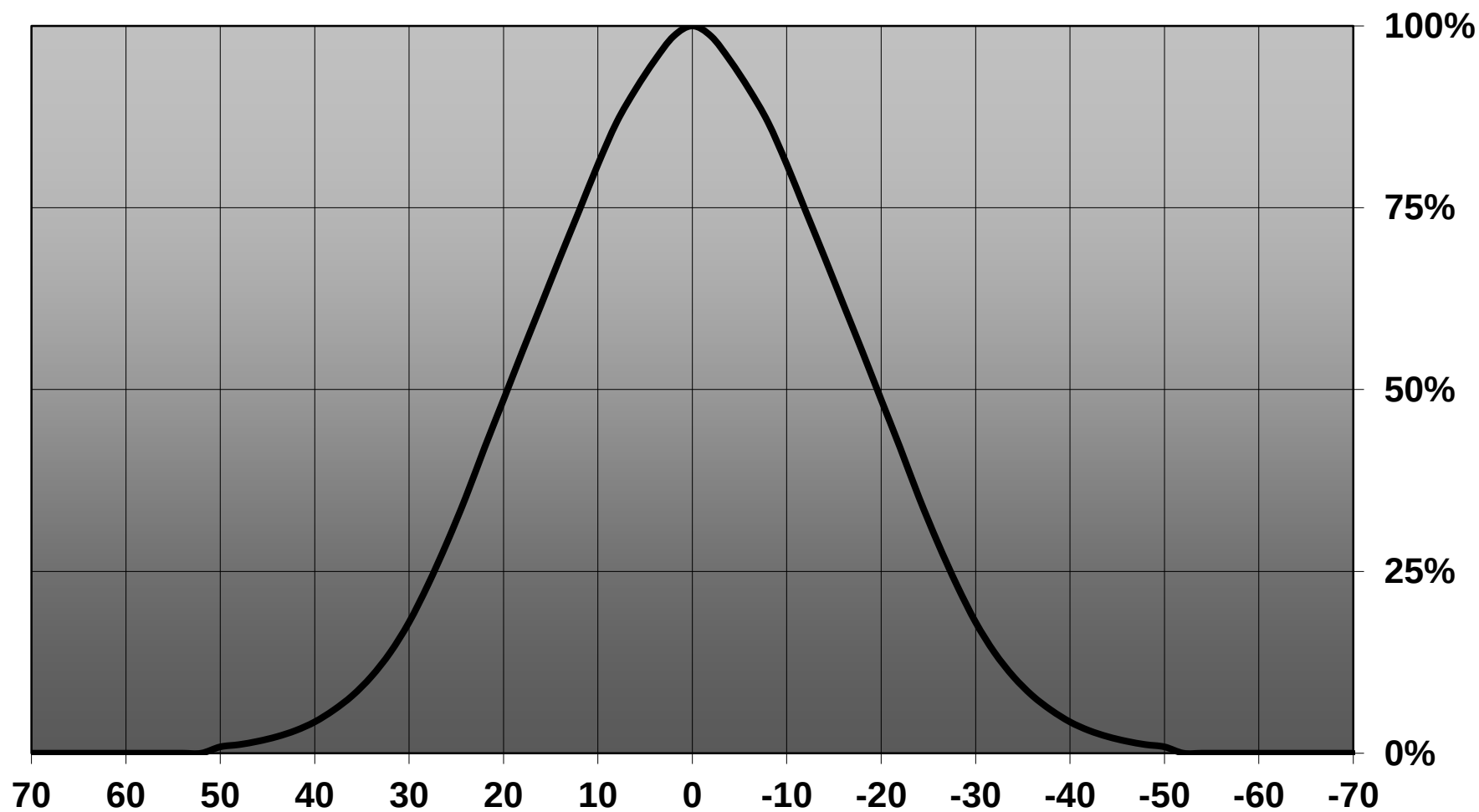
- Product series especially designed & optimized for XM-L series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

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>

Relative intensity of CA12059_Eva-W-XM-Tape



D

C

B

A

4

4

3

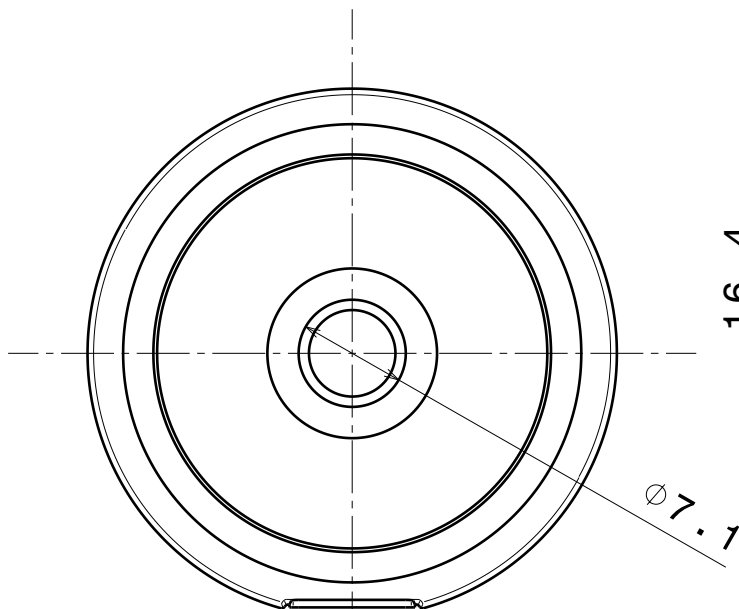
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2

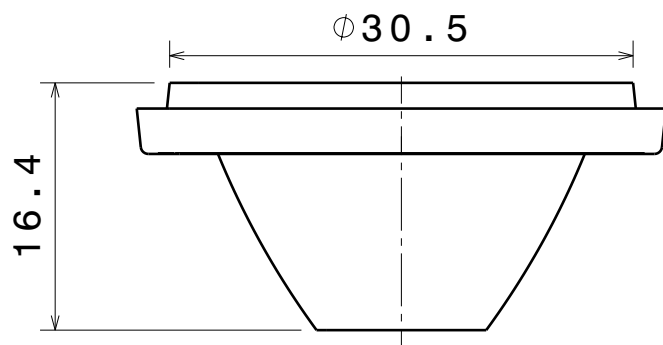
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1

1

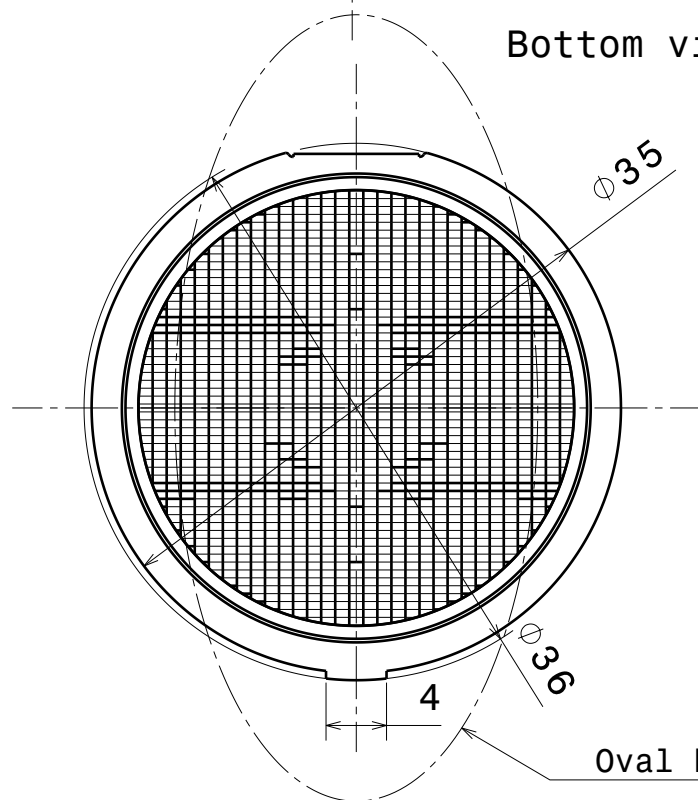
 $\varnothing 7.1$

Bottom view

 $\varnothing 30.5$

16.4

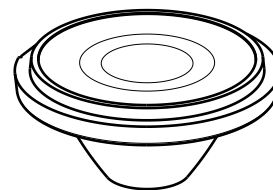
Side view

 $\varnothing 35$ $\varnothing 36$

4

Oval beam direction

Top view



Isometric view

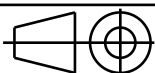
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C12828	EVA-0	PMMA	

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

C12828_EVA-0

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

A4**C12828**

SCALE 2:1 WEIGHT 6 g SHEET 1/1

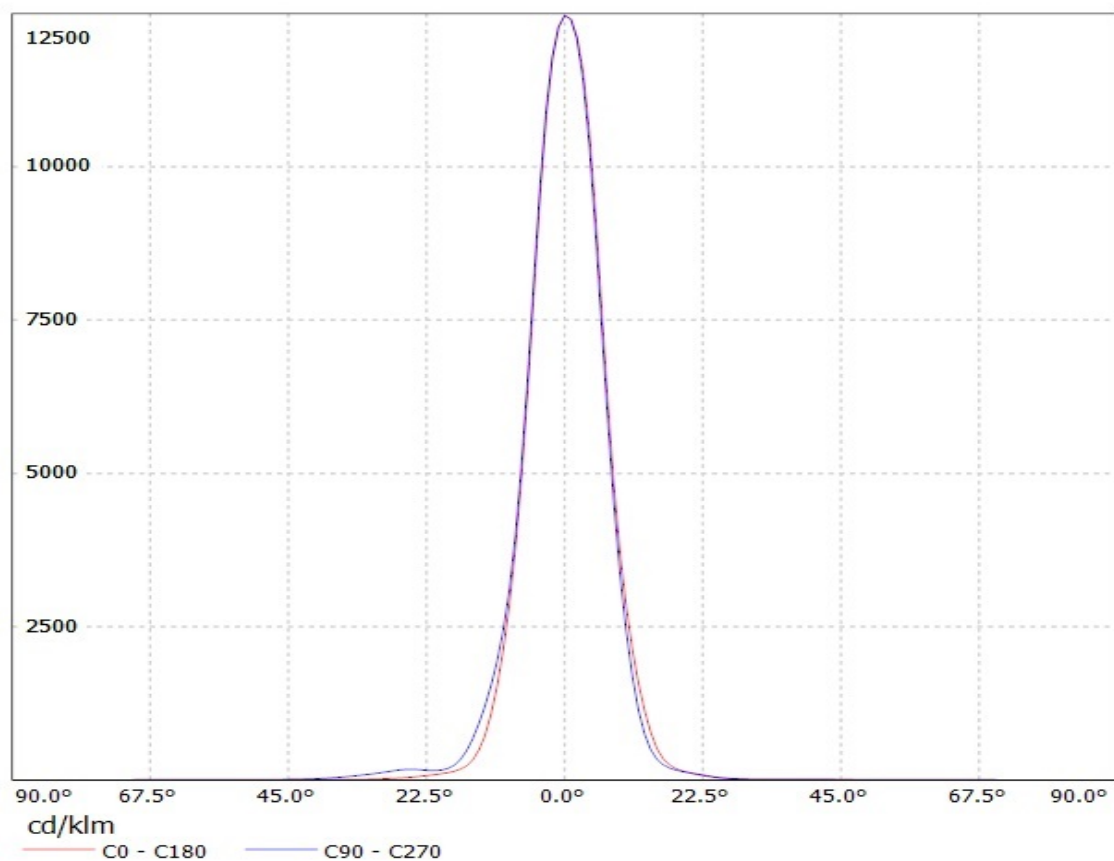
D

A

Ledil CA12055_Eva-S-XM-Tape CA12055_Eva-S-XM-Tape / LDC (Linear)

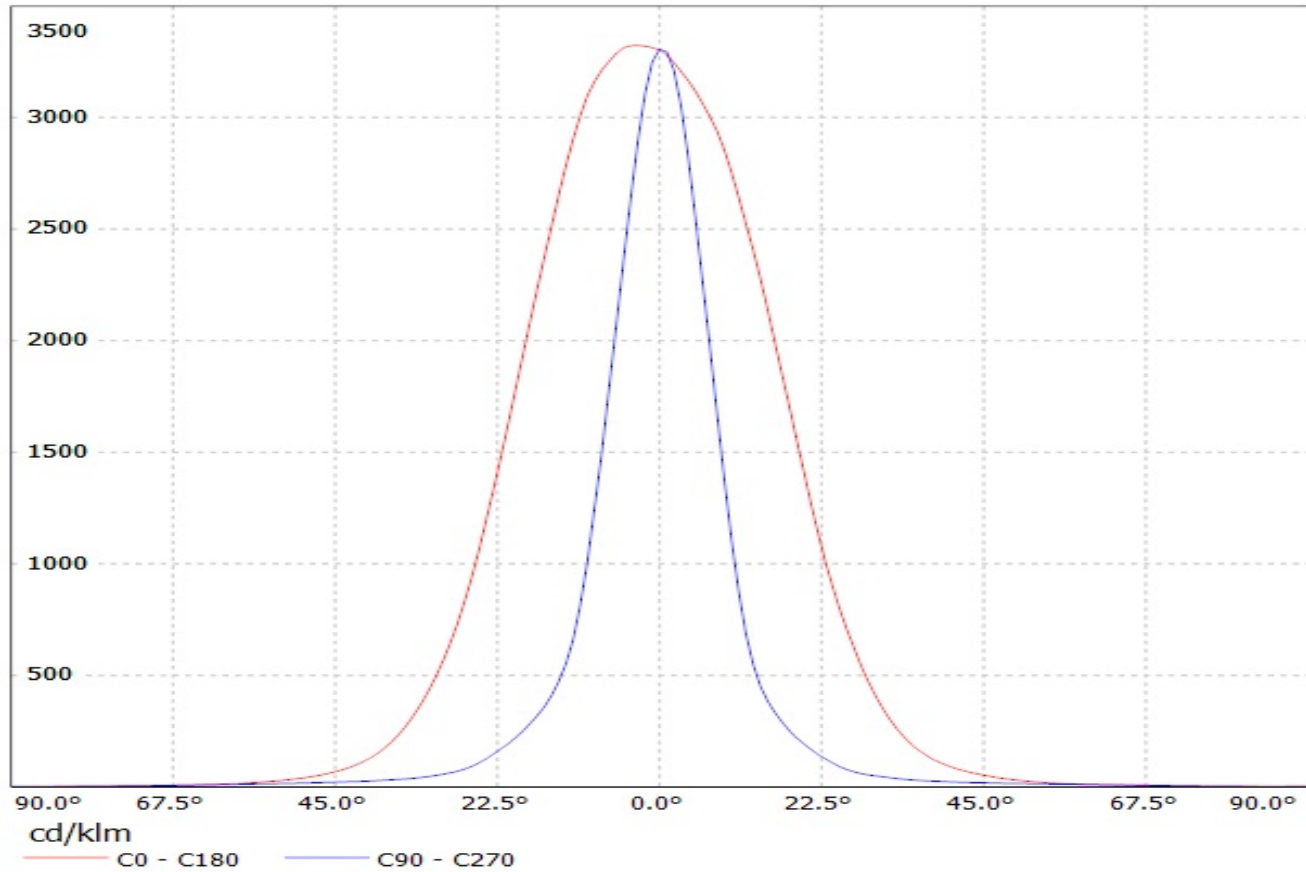
Luminaire: Ledil CA12055_Eva-S-XM-Tape CA12055_Eva-S-XM-Tape

Lamps: 1 x LED Module

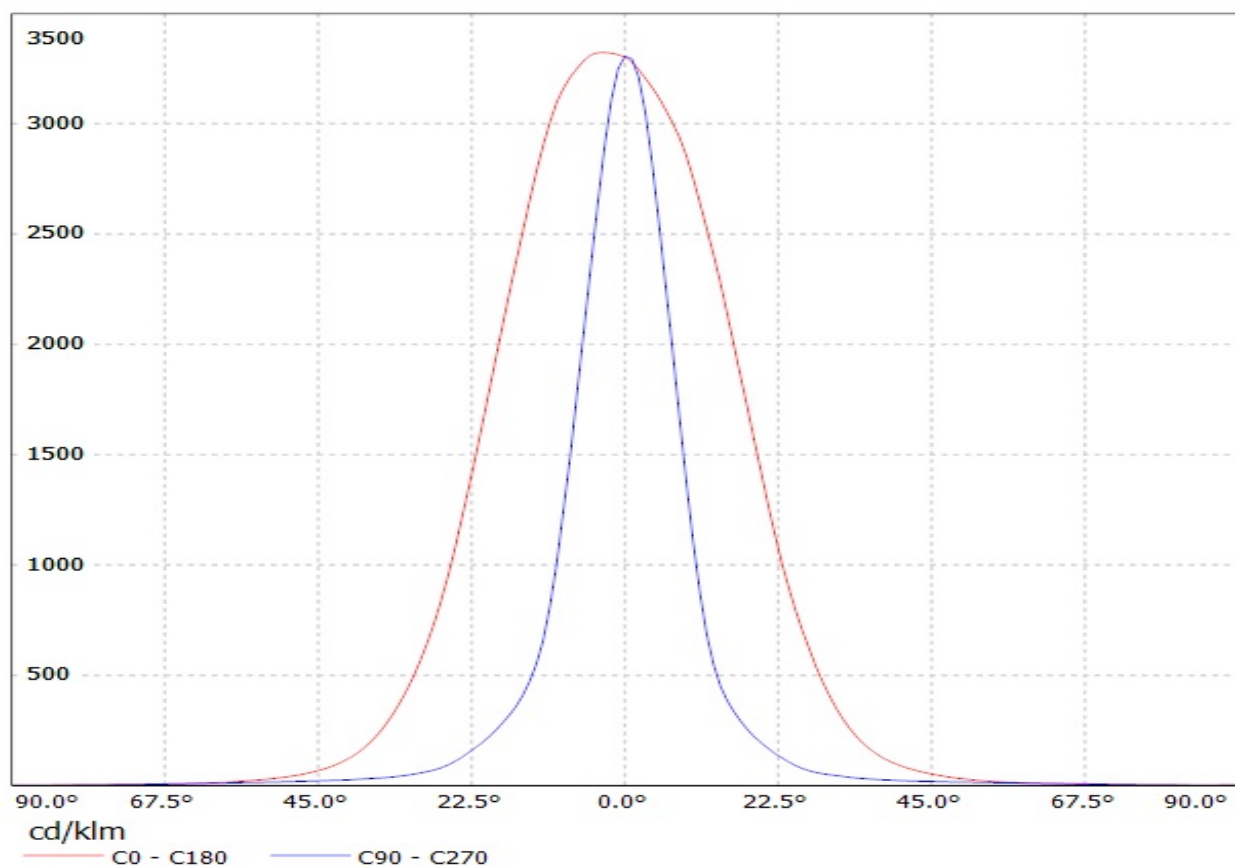


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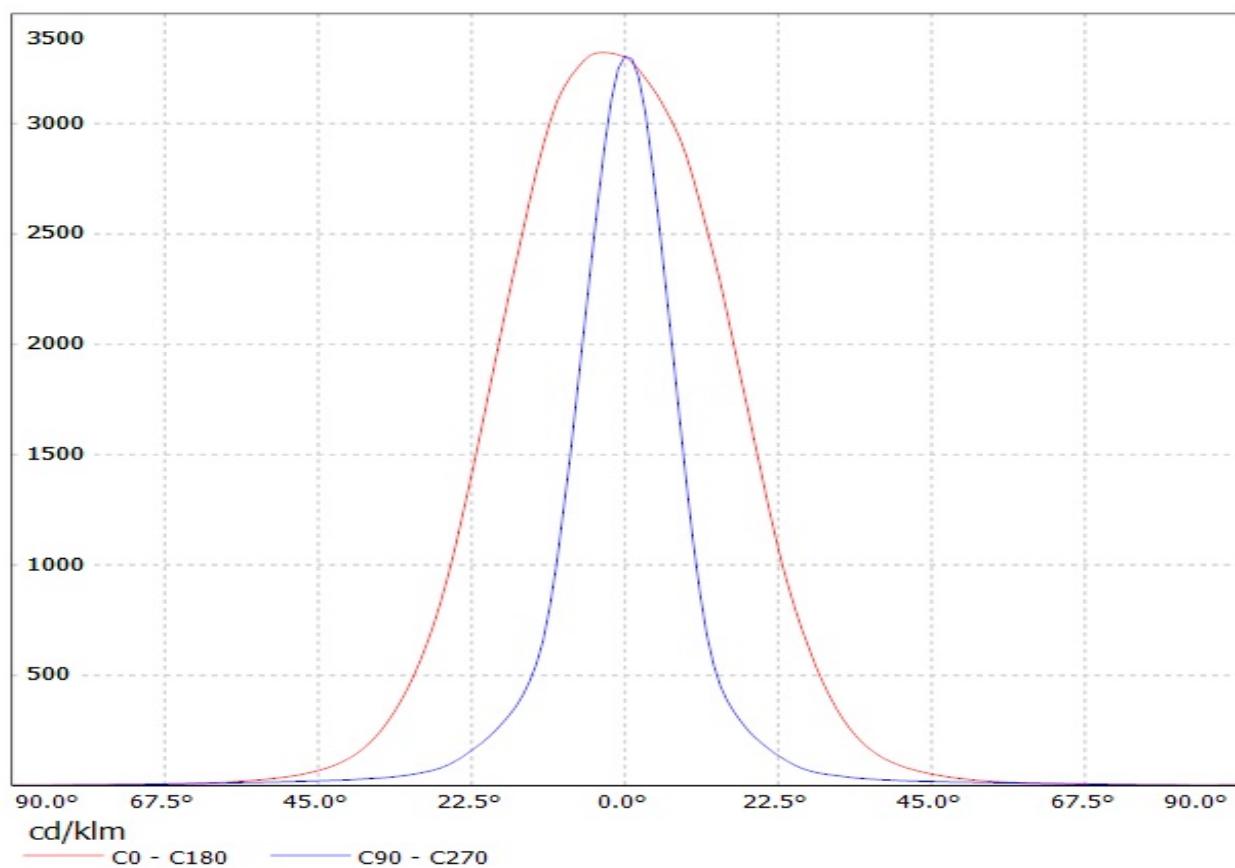
Luminaire: LEDIL OY C12828_EVA-O (XM-L) Efficiency=86%
Lamps: 1 x Cree XM-L (111lm @ 250mA)



Luminaire: LEDIL OY CA12859_EVA-O / CP12860_EVA-O (XM-L) Efficiency=86%
Lamps: 1 x Cree XM-L (1111lm @ 250mA)



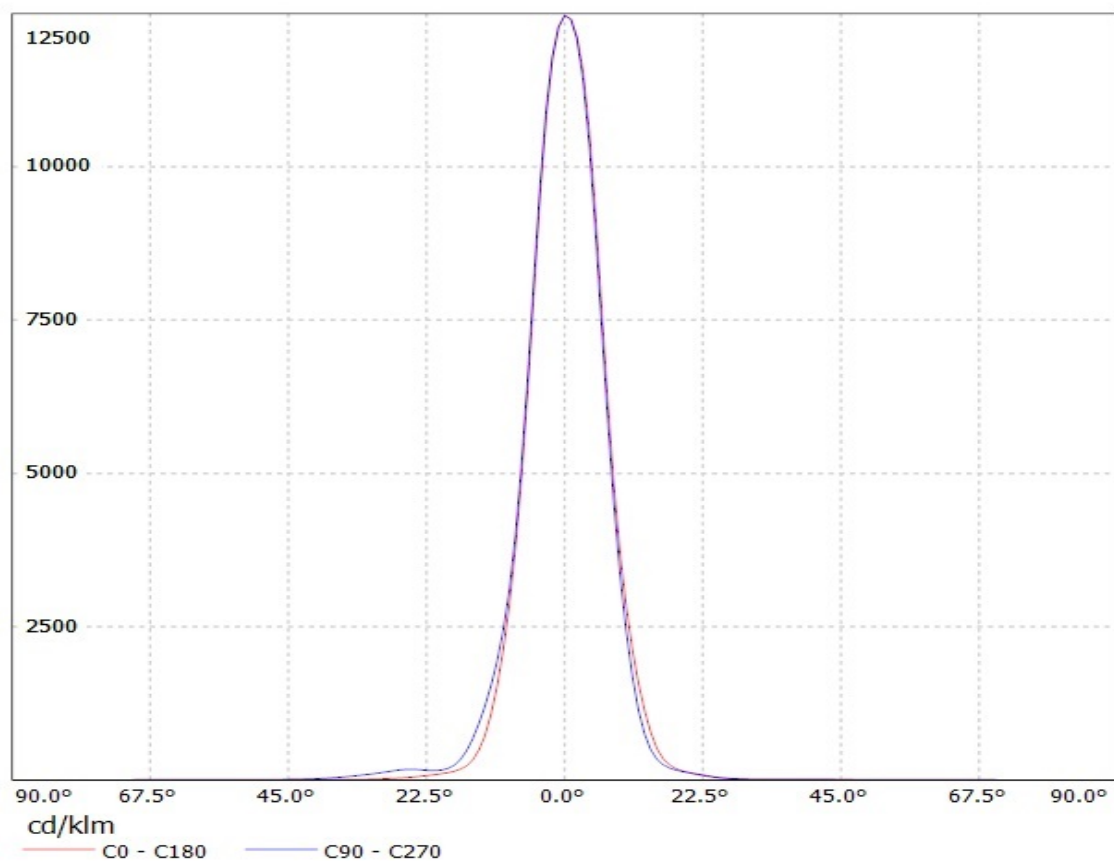
Luminaire: LEDIL OY CA12859_EVA-O / CP12860_EVA-O (XM-L) Efficiency=86%
Lamps: 1 x Cree XM-L (1111lm @ 250mA)



Ledil CA12055_Eva-S-XM-Tape CA12055_Eva-S-XM-Tape / LDC (Linear)

Luminaire: Ledil CA12055_Eva-S-XM-Tape CA12055_Eva-S-XM-Tape

Lamps: 1 x LED Module

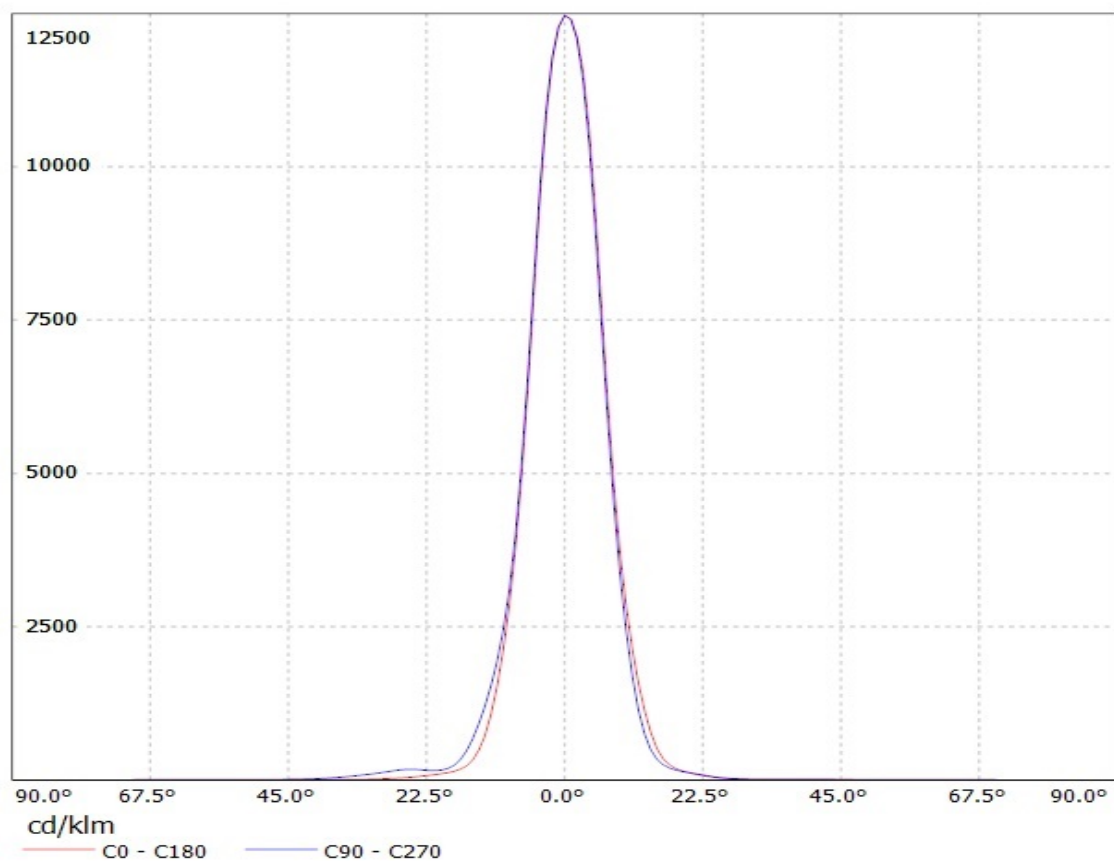


SIMULATED

Ledil CA12055_Eva-S-XM-Tape CA12055_Eva-S-XM-Tape / LDC (Linear)

Luminaire: Ledil CA12055_Eva-S-XM-Tape CA12055_Eva-S-XM-Tape

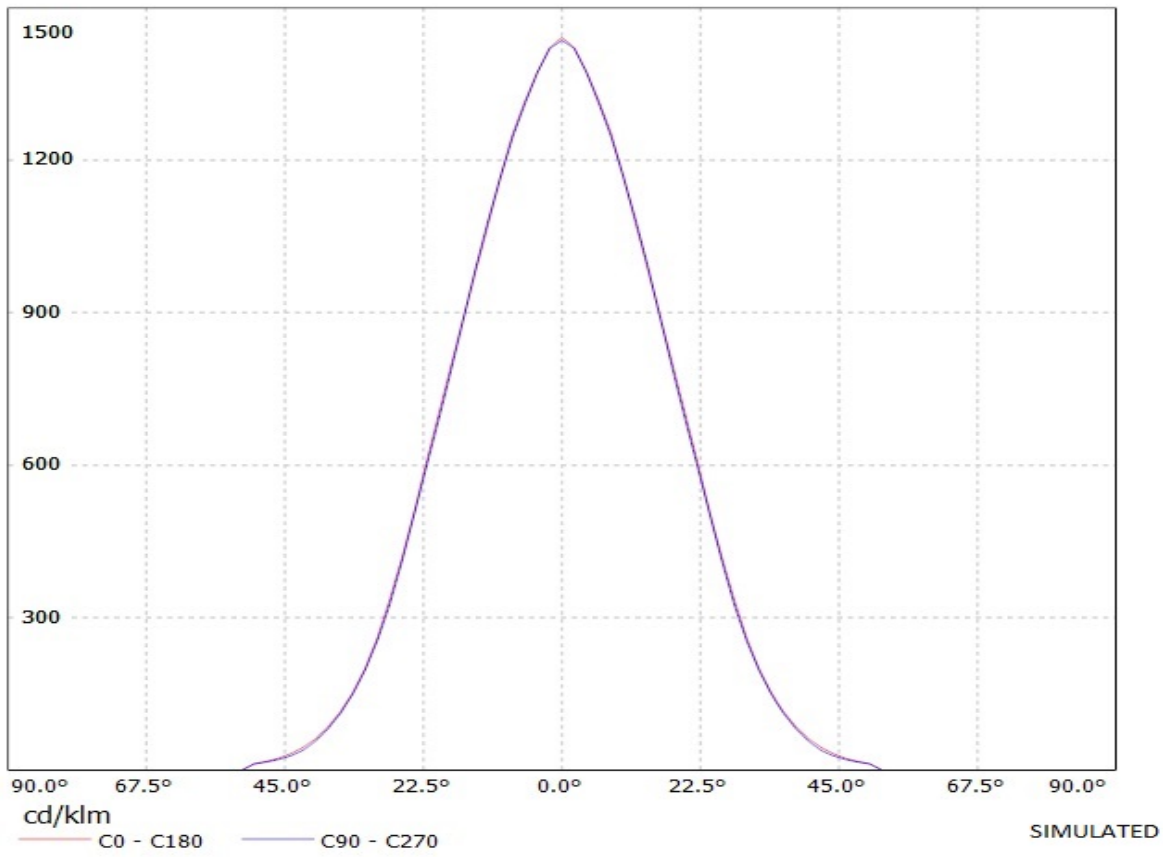
Lamps: 1 x LED Module



SIMULATED

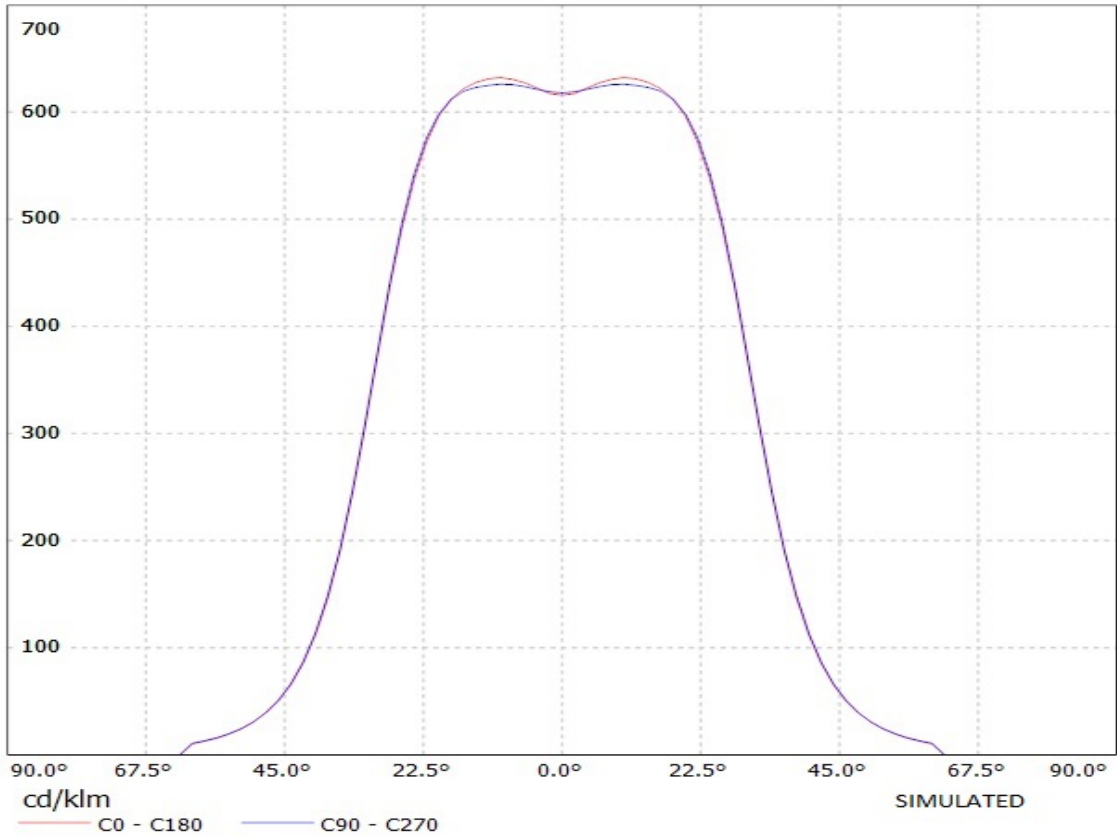
Ledil Oy CA12059_Eva-W-XM-Tape CA12059_Eva-W-XM-Tape / LDC (Linear)

Luminaire: Ledil Oy CA12059_Eva-W-XM-Tape CA12059_Eva-W-XM-Tape
Lamps: 1 x Cree XM-L white



Ledil Oy C10909_CA12060_Eva-WW-XM-Tape C10909_CA12060_Eva-WW-XM-Tape / LDC (Linear)

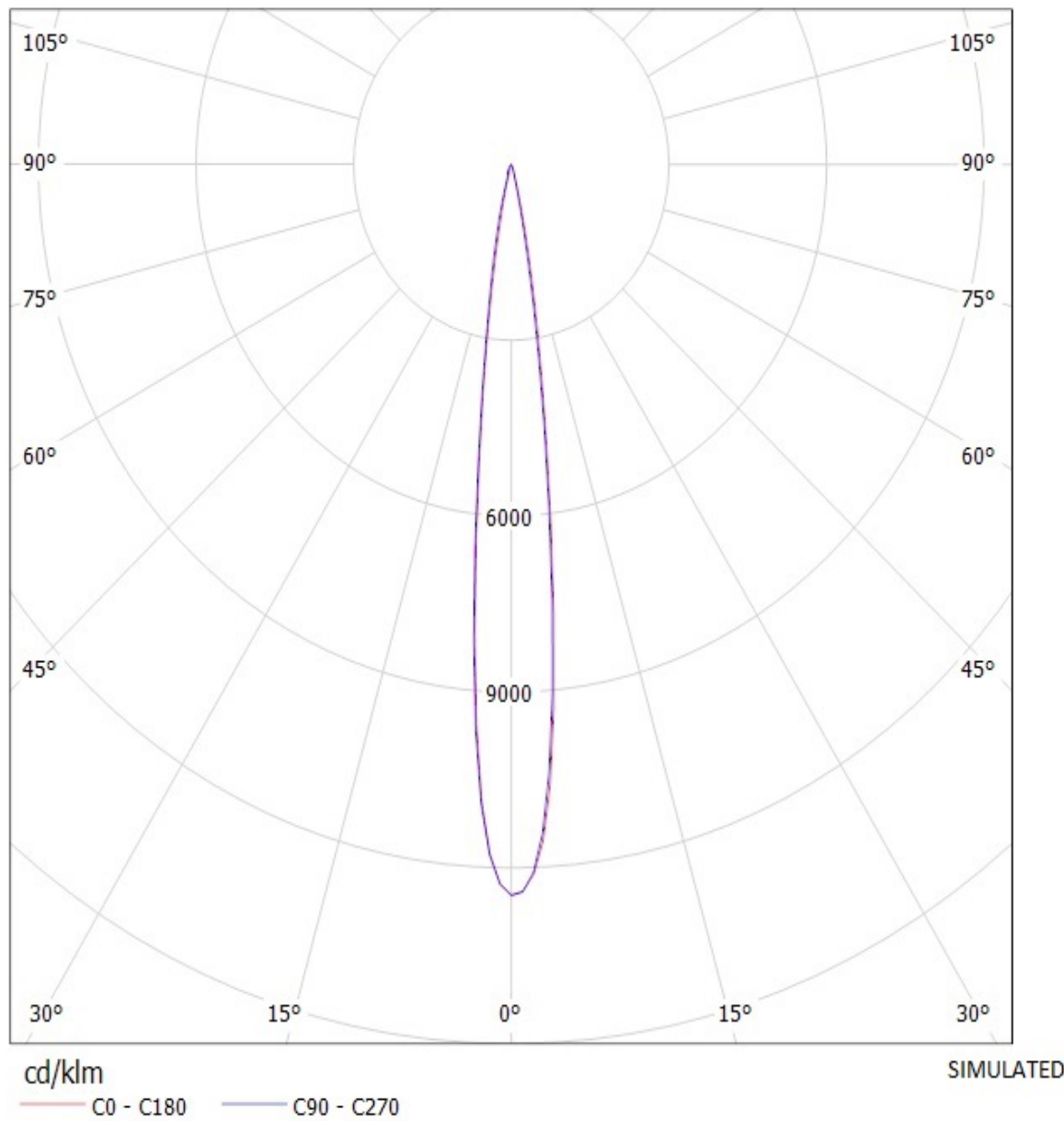
Luminaire: Ledil Oy C10909_CA12060_Eva-WW-XM-Tape C10909_CA12060_Eva-WW-XM-Tape
Lamps: 1 x Cree XM-L



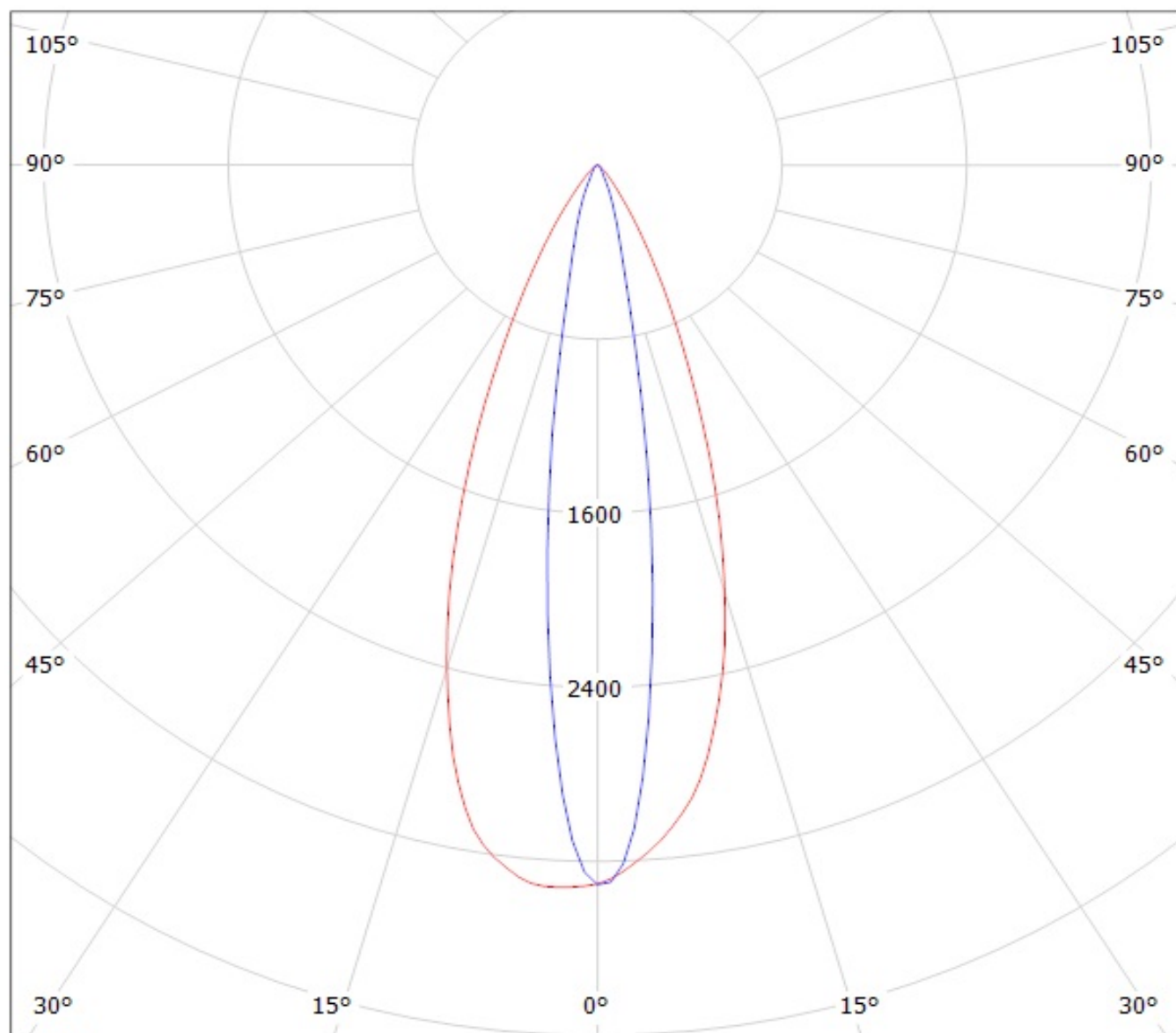
Ledil CA12055_Eva-S-XM-Tape CA12055_Eva-S-XM-Tape / LDC (Polar)

Luminaire: Ledil CA12055_Eva-S-XM-Tape CA12055_Eva-S-XM-Tape

Lamps: 1 x LED Module



Luminaire: LEDIL OY C12828_EVA-O (XM-L) Efficiency=86%
Lamps: 1 x Cree XM-L (111lm @ 250mA)

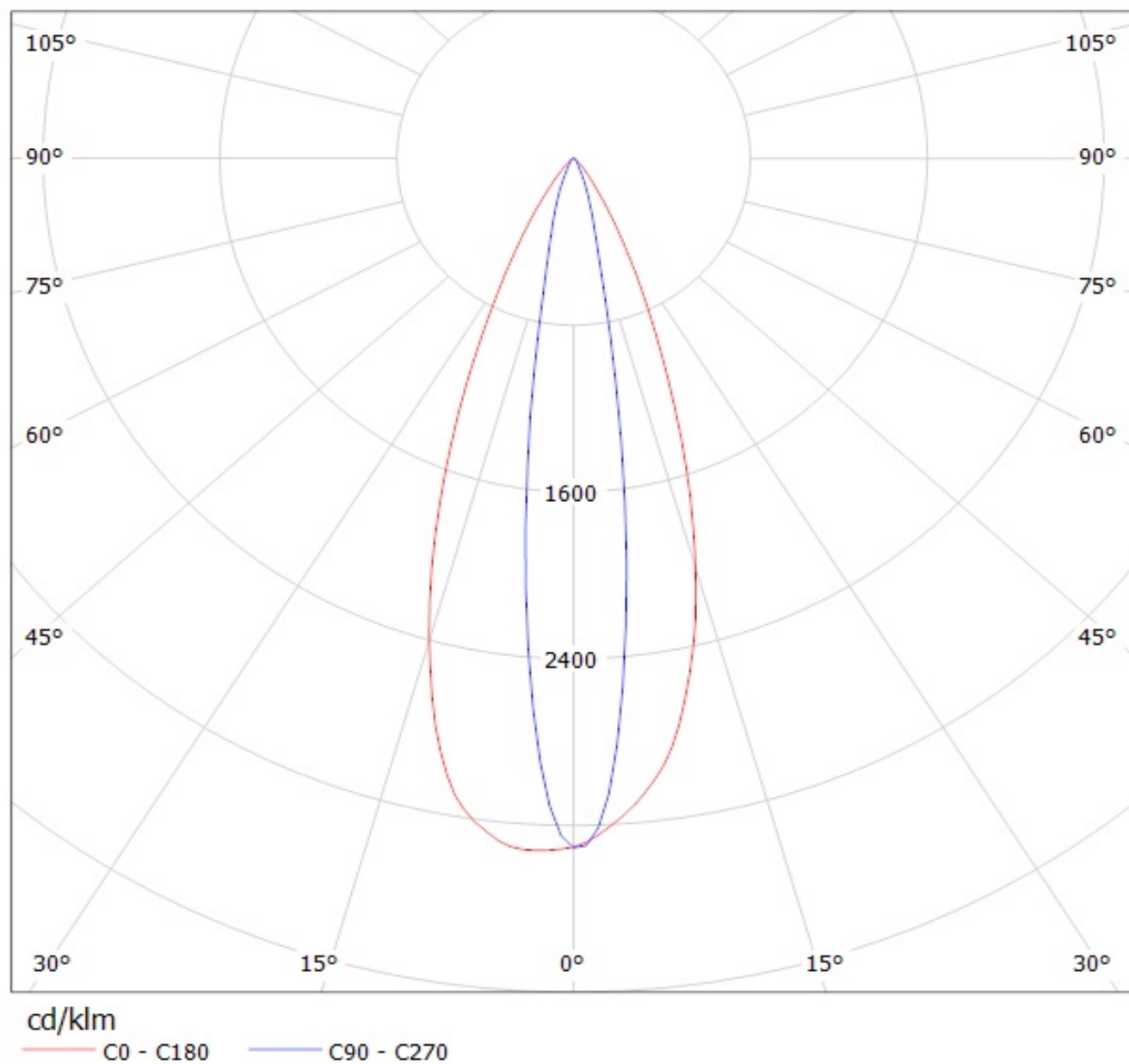


cd/klm

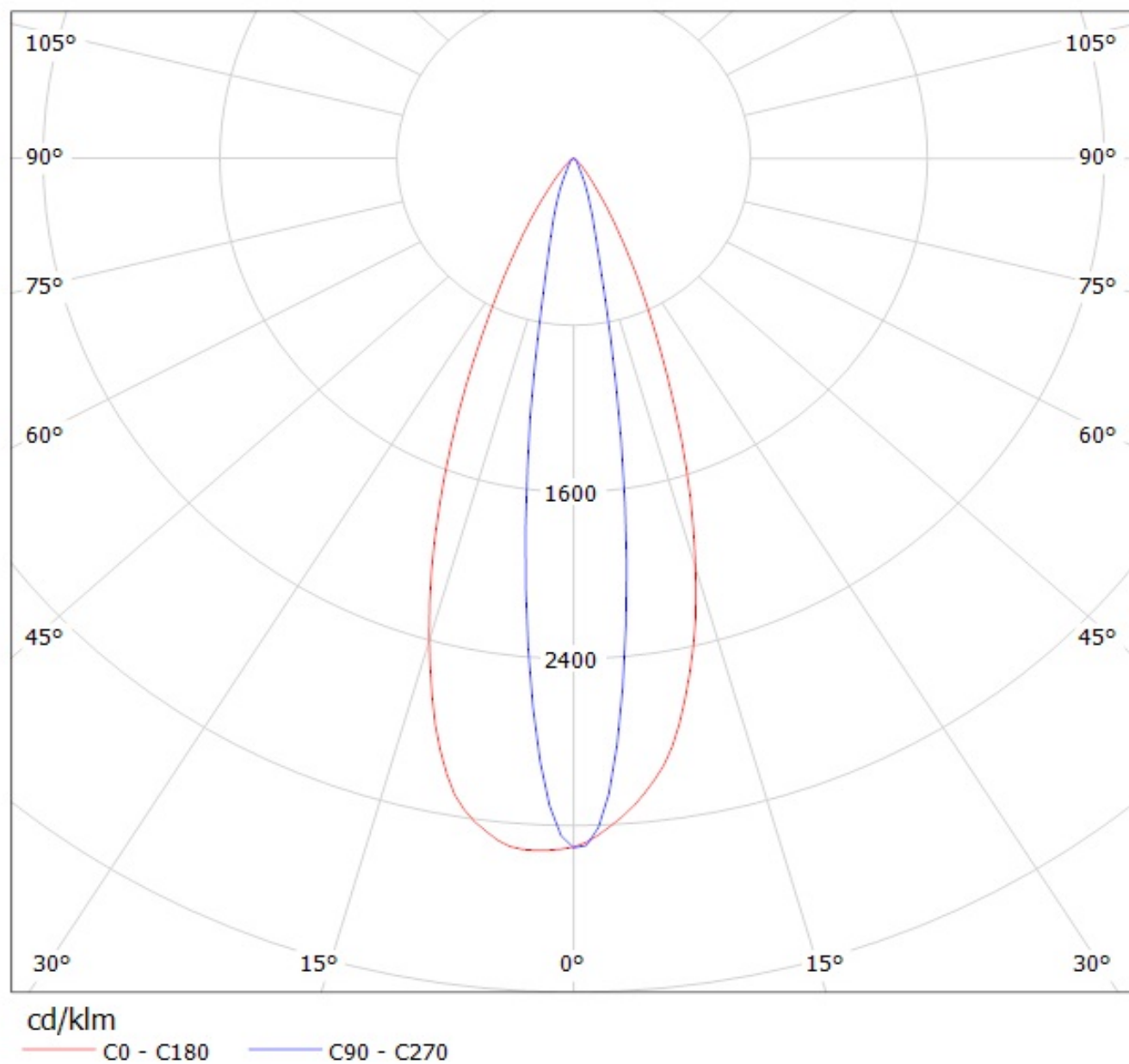
— C0 - C180

— C90 - C270

Luminaire: LEDIL OY CA12859_EVA-O / CP12860_EVA-O (XM-L) Efficiency=86%
Lamps: 1 x Cree XM-L (111lm @ 250mA)



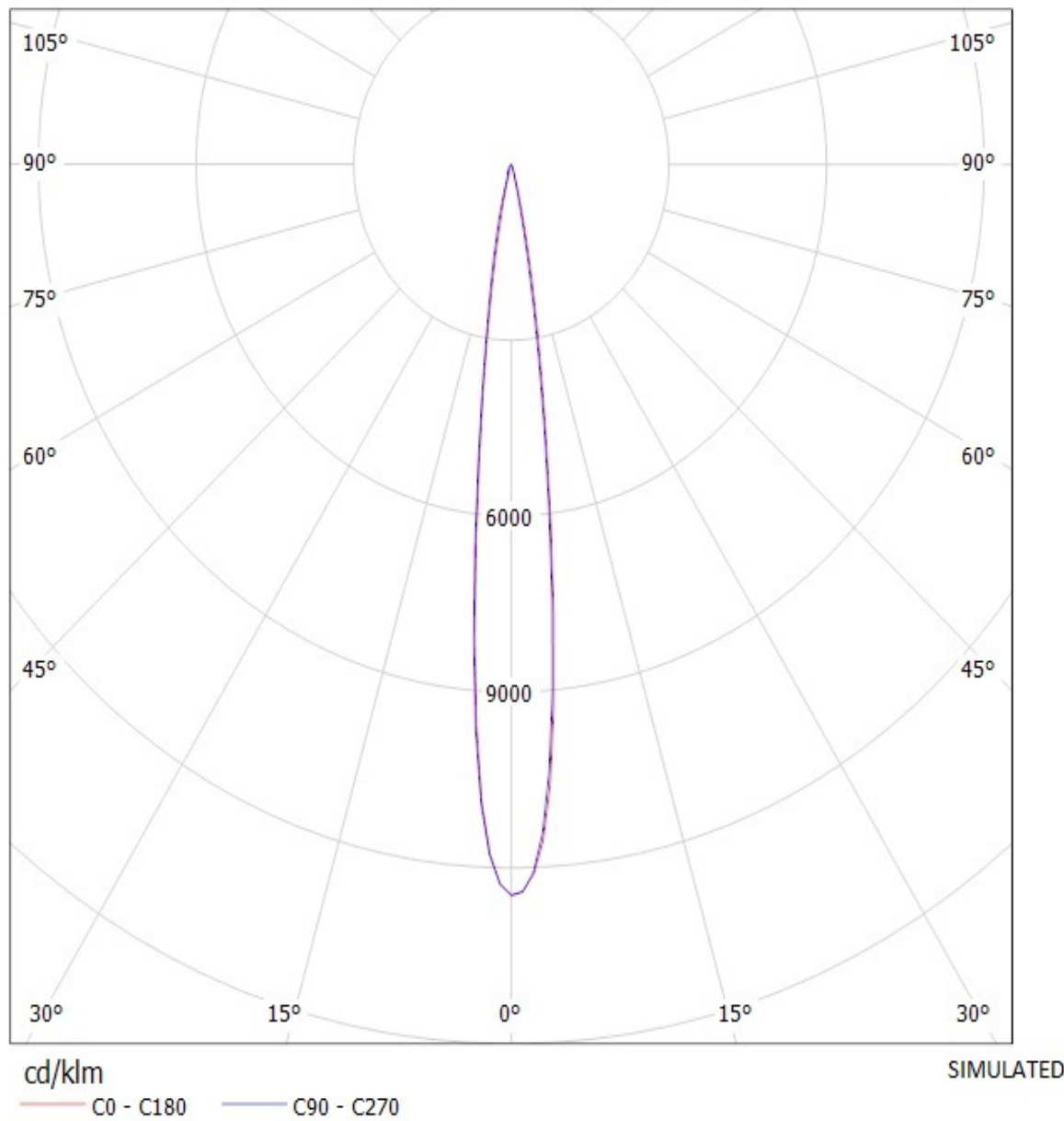
Luminaire: LEDIL OY CA12859_EVA-O / CP12860_EVA-O (XM-L) Efficiency=86%
Lamps: 1 x Cree XM-L (111lm @ 250mA)



Ledil CA12055_Eva-S-XM-Tape CA12055_Eva-S-XM-Tape / LDC (Polar)

Luminaire: Ledil CA12055_Eva-S-XM-Tape CA12055_Eva-S-XM-Tape

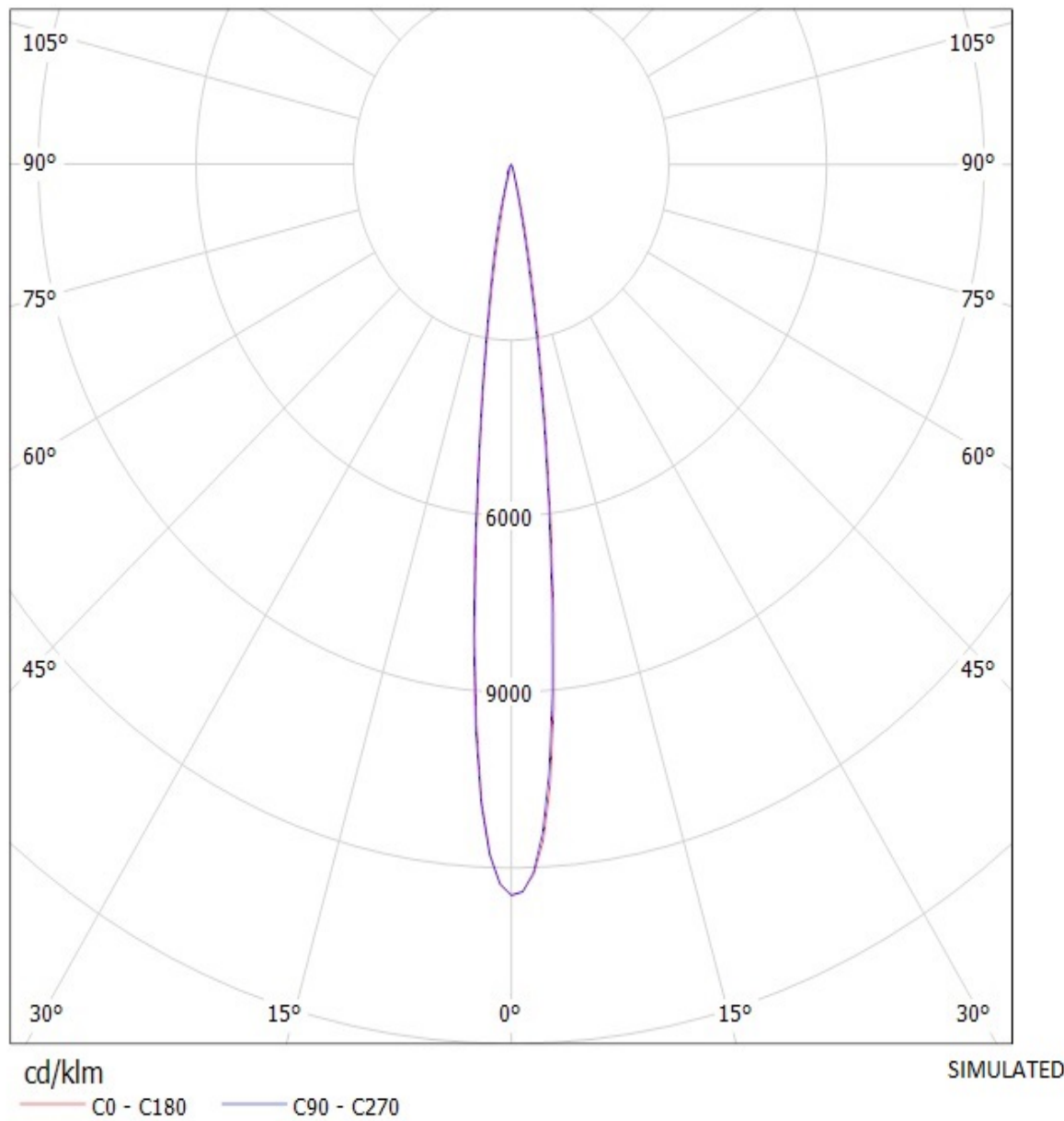
Lamps: 1 x LED Module



Ledil CA12055_Eva-S-XM-Tape CA12055_Eva-S-XM-Tape / LDC (Polar)

Luminaire: Ledil CA12055_Eva-S-XM-Tape CA12055_Eva-S-XM-Tape

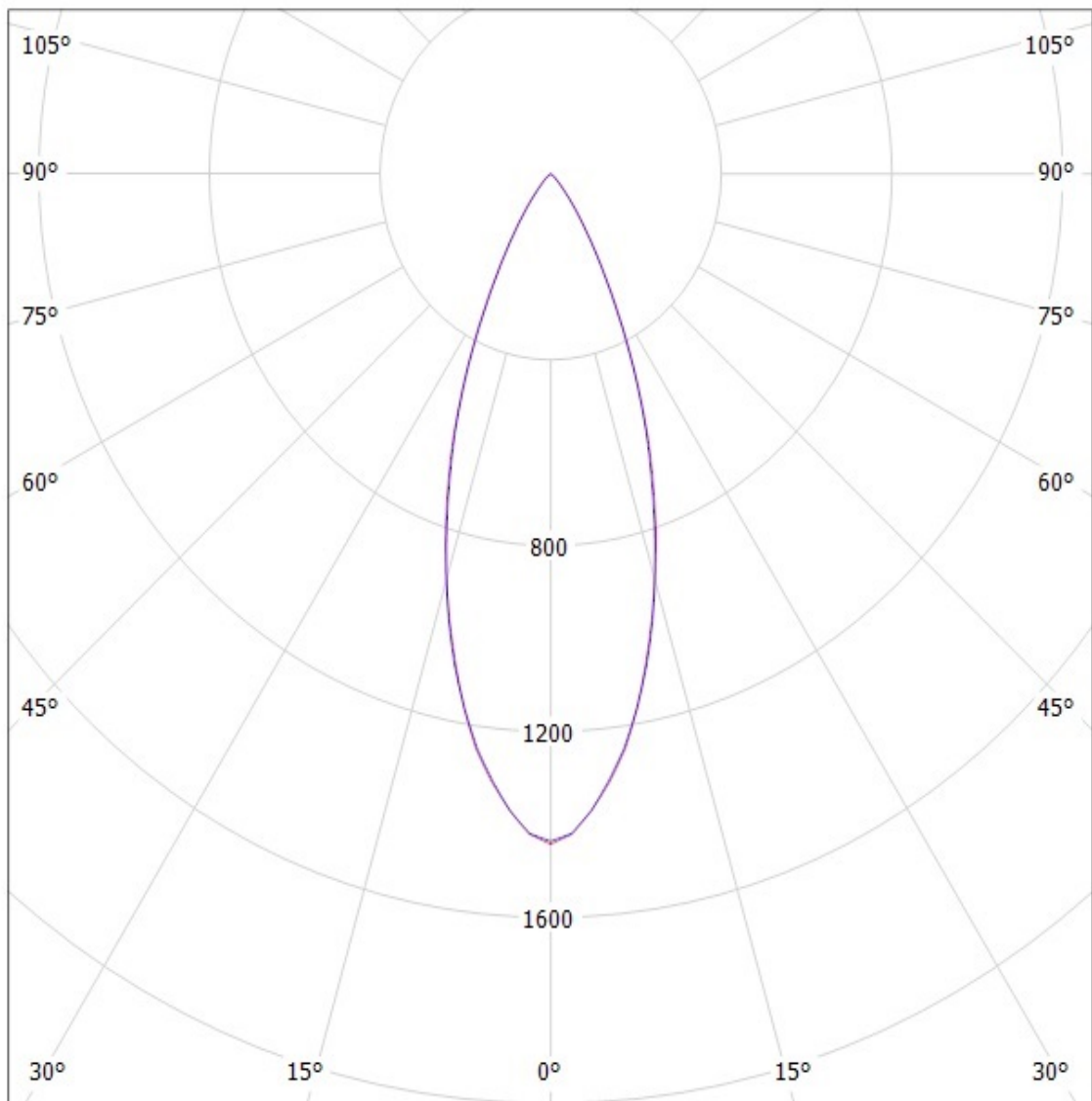
Lamps: 1 x LED Module



Ledil Oy CA12059_Eva-W-XM-Tape CA12059_Eva-W-XM-Tape / LDC (Polar)

Luminaire: Ledil Oy CA12059_Eva-W-XM-Tape CA12059_Eva-W-XM-Tape

Lamps: 1 x Cree XM-L white



cd/klm

— C0 - C180

— C90 - C270

SIMULATED

Ledil Oy C10909_CA12060_Eva-WW-XM-Tape C10909_CA12060_Eva-WW-XM-Tape / LDC (Polar)

Luminaire: Ledil Oy C10909_CA12060_Eva-WW-XM-Tape C10909_CA12060_Eva-WW-XM-Tape

Lamps: 1 x Cree XM-L

