PRODUCT DATASHEET
Eva series
last update 30/12/2016

Product number **C12828_EVA-O**

Family	Eva	FWHM	20.5+37 degrees
Type	Lens	Efficiency	83 %
LED	LUXEON M	cd/lm	2.700
Color	Clear	Gerber File	Available
Diameter	35 mm		
Height	16.4 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	-		
Status	Production ready		

Product number **CP12857_EVA-O**

Family	Eva	FWHM	20.5+37 degrees
Type	Assembly	Efficiency	83 %
LED	LUXEON M	cd/lm	2.700
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		

Product number **CA14403_EVA-O**

Family	Eva	FWHM	20.5+37 degrees
Type	Assembly	Efficiency	83 %
LED	LUXEON M	cd/lm	2.700
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

Product number **C10684_EVA-D**

Family	Eva	FWHM	21 degrees
Type	Lens	Efficiency	90 %
LED	LUXEON M	cd/lm	4.200
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.

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PRODUCT DATASHEET
Eva series
last update 30/12/2016

Product number **CA12802_EVA-D**

Family	Eva	FWHM	21 degrees
Type	Assembly	Efficiency	89 %
LED	LUXEON M	cd/lm	4.200
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 **CP12818_EVA-D**

Family	Eva	FWHM	21 degrees
Type	Assembly	Efficiency	89 %
LED	LUXEON M	cd/lm	4.200
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		

Product number **CA14308_EVA-D**

Family	Eva	FWHM	21 degrees
Type	Assembly	Efficiency	89 %
LED	LUXEON M	cd/lm	4.200
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17.2 mm		
Style	-		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

Product number **C10685_EVA-M**

Family	Eva	FWHM	26 degrees
Type	Lens	Efficiency	89 %
LED	LUXEON M	cd/lm	2.800
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

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PRODUCT DATASHEET
Eva series
last update 30/12/2016

Product number **CA12803_EVA-M**

Family	Eva	FWHM	26 degrees
Type	Assembly	Efficiency	87 %
LED	LUXEON M	cd/lm	2.800
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "screw"]		
Status	Production ready		

Product number **CP12819_EVA-M**

Family	Eva	FWHM	26 degrees
Type	Assembly	Efficiency	87 %
LED	LUXEON M	cd/lm	2.800
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		

Product number **CA14402_EVA-M**

Family	Eva	FWHM	26 degrees
Type	Assembly	Efficiency	87 %
LED	LUXEON M	cd/lm	2.800
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

Product number **CA12858_EVA-O**

Family	Eva	FWHM	37+20 degrees
Type	Assembly	Efficiency	84 %
LED	LUXEON M	cd/lm	2.700
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		

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PRODUCT DATASHEET
Eva series
last update 30/12/2016

Product number **C10686_EVA-W**

Family	Eva	FWHM	45 degrees
Type	Lens	Efficiency	80 %
LED	LUXEON M	cd/lm	1.300
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 **CA12804_EVA-W**

Family	Eva	FWHM	45 degrees
Type	Assembly	Efficiency	80 %
LED	LUXEON M	cd/lm	1.300
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "tape"]		
Status	Production ready		

Product number **CP12820_EVA-W**

Family	Eva	FWHM	45 degrees
Type	Assembly	Efficiency	80 %
LED	LUXEON M	cd/lm	1.300
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		

Product number **CA14309_EVA-W**

Family	Eva	FWHM	45 degrees
Type	Assembly	Efficiency	80 %
LED	LUXEON M	cd/lm	1.300
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

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PRODUCT DATASHEET
Eva series
last update 30/12/2016

Product number **C10909_EVA-WW**

Family	Eva	FWHM	65 degrees
Type	Lens	Efficiency	80 %
LED	LUXEON M	cd/lm	-
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 **CA12805_EVA-WW**

Family	Eva	FWHM	65 degrees
Type	Assembly	Efficiency	78 %
LED	LUXEON M	cd/lm	0.700
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["screw", "tape"]		
Status	Production ready		

Product number **CP12821_EVA-WW**

Family	Eva	FWHM	65 degrees
Type	Assembly	Efficiency	78 %
LED	LUXEON M	cd/lm	0.700
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		

Product number **CA14310_EVA-WW**

Family	Eva	FWHM	65 degrees
Type	Assembly	Efficiency	78 %
LED	LUXEON M	cd/lm	0.700
Color	Black	Gerber File	Available
Diameter	37.7 mm		
Height	17.2 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape", "pin"]		
Status	Production ready		

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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.

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GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON M 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%208N%20UL94_Yellow%20Card.pdf
http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20PLEXIGLAS-Datasheet.pdf

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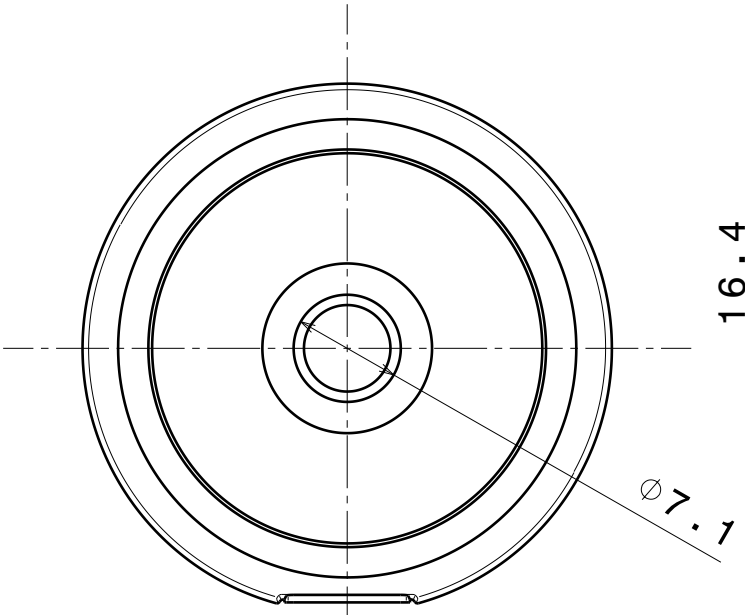
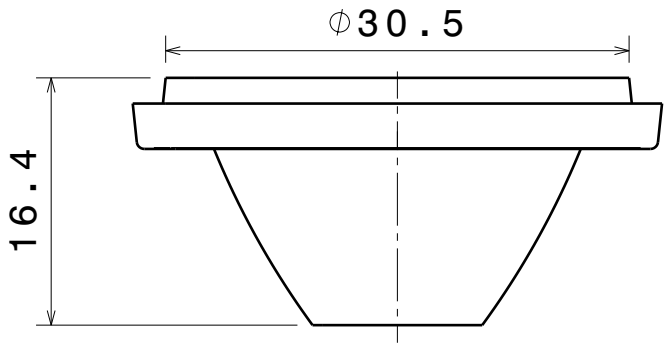
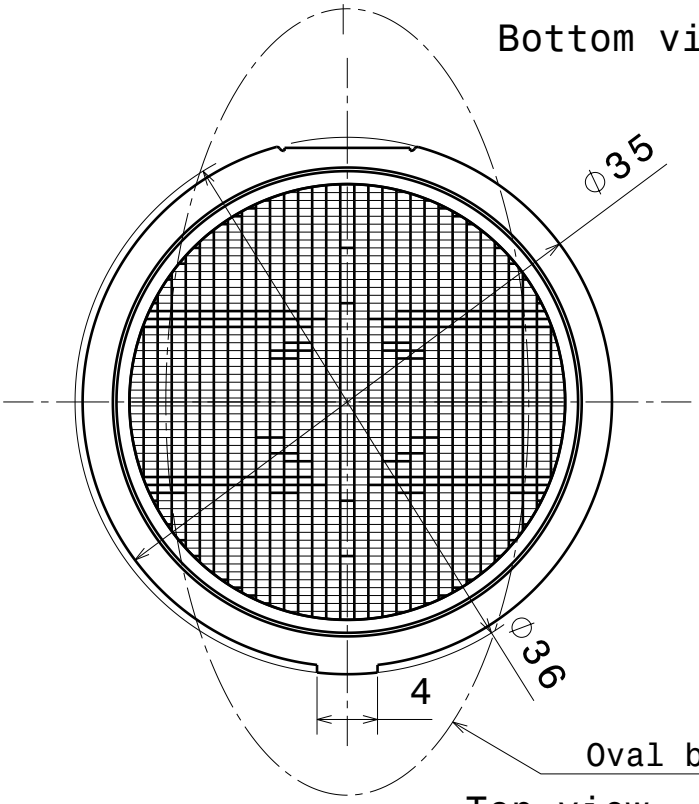


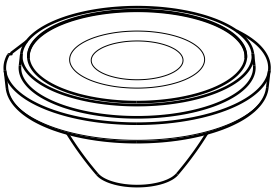
Bottom view



Side view



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

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THIRD ANGLE PROJECTION:

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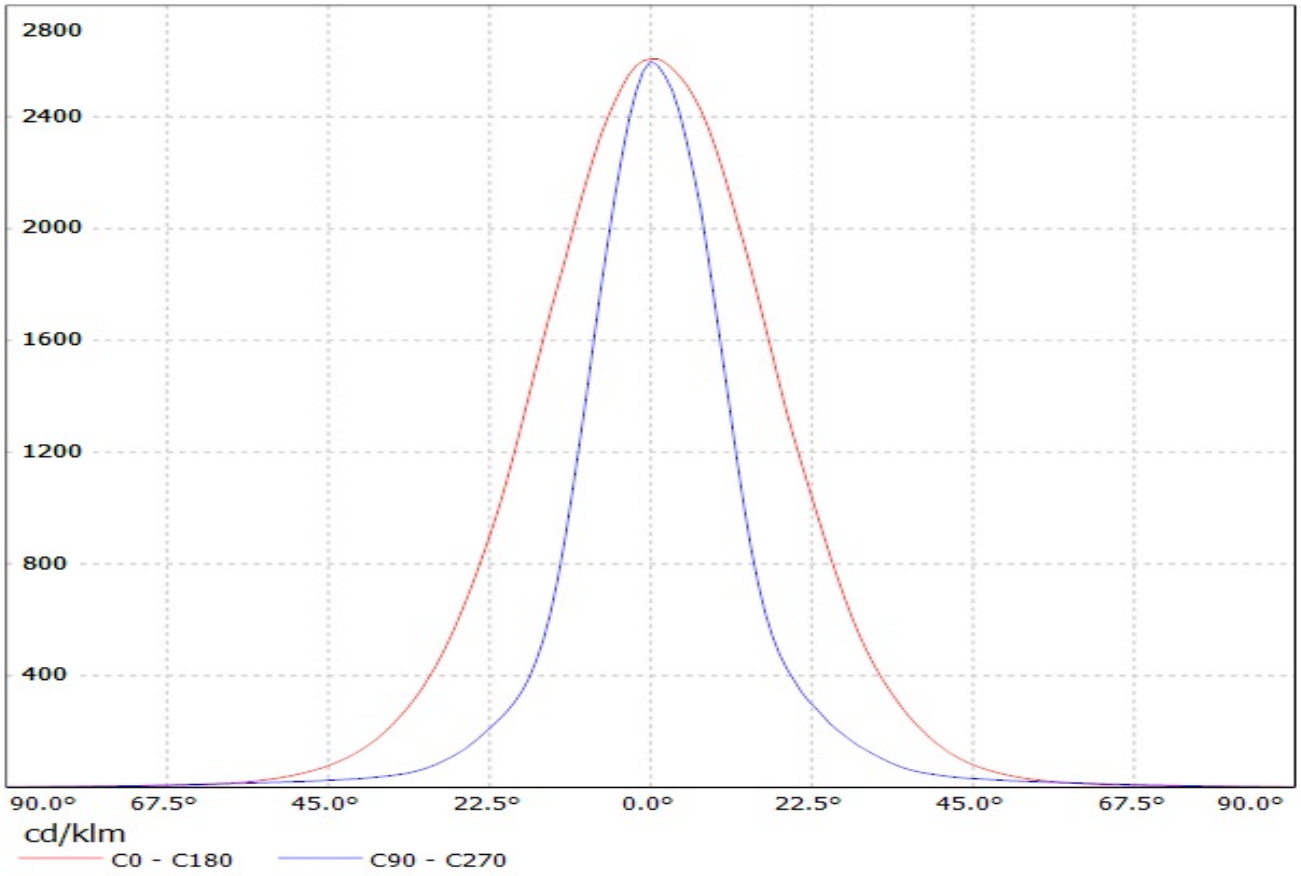
DRAWING TITLE

C12828_EVA-0

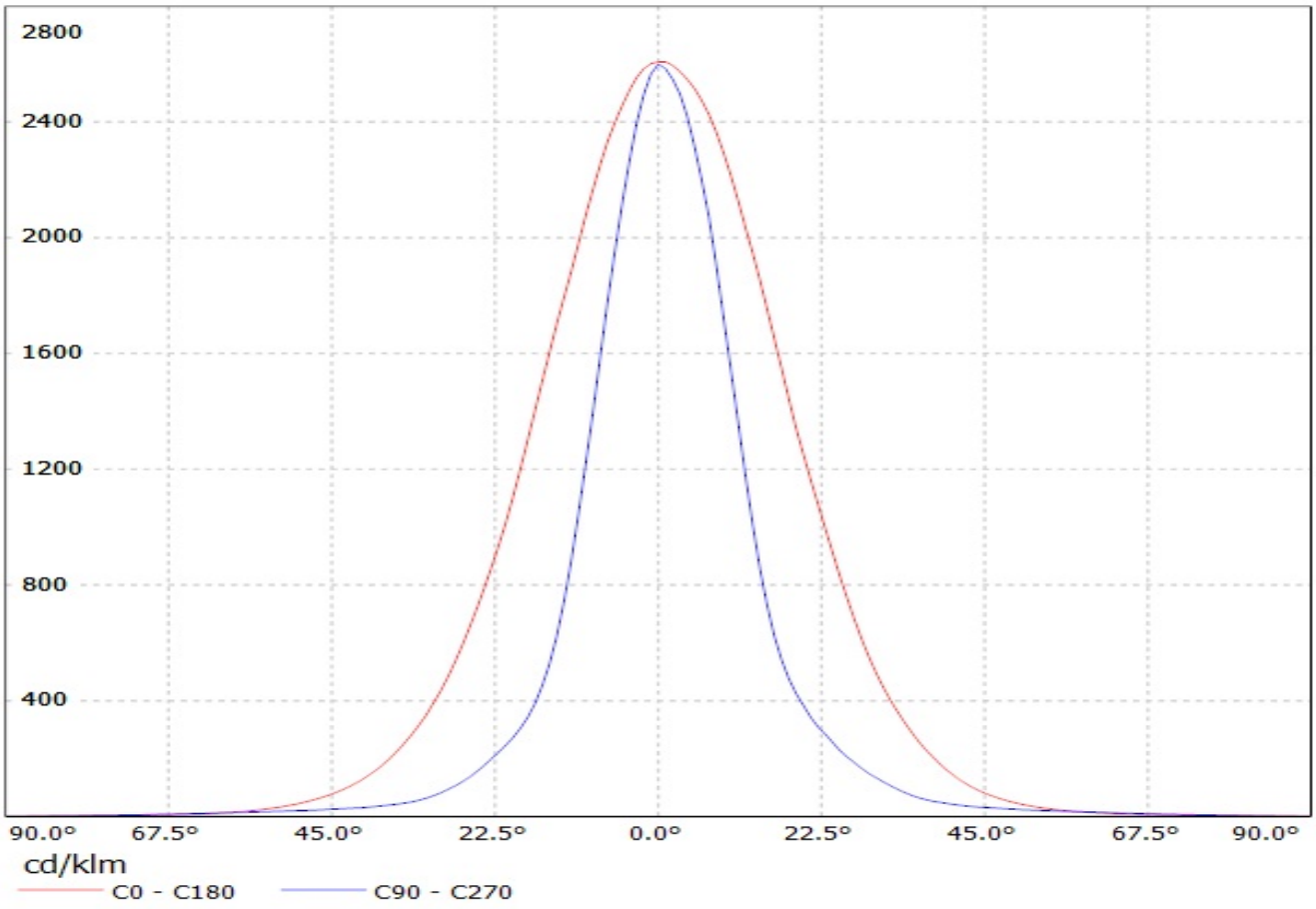
SIZE	PART NUMBER
A4	C12828

SCALE	WEIGHT		SHEET
2:1	6 g		1/1

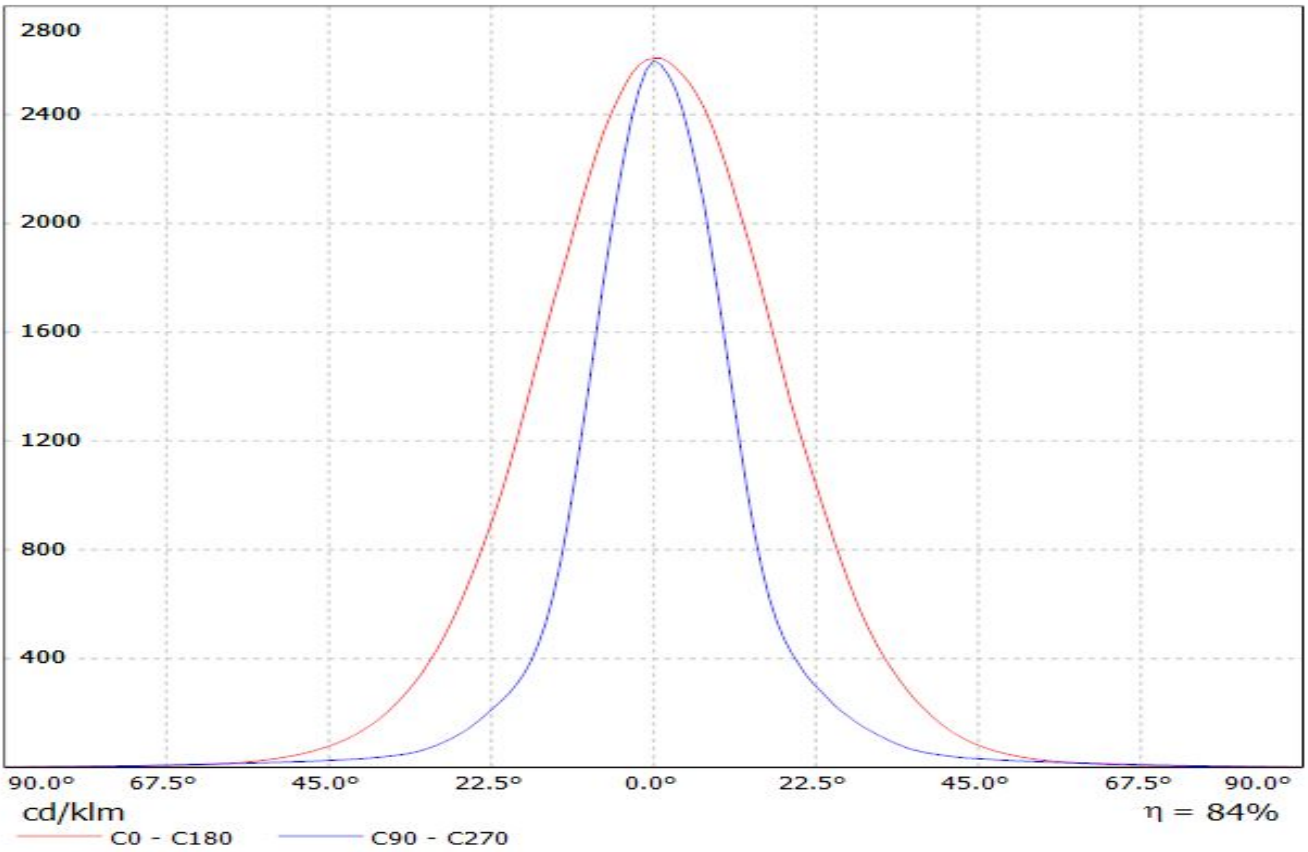
Luminaire: LEDIL OY C12828_EVA-O (Luxeon M) Efficiency=83%
Lamps: 1 x Luxeon M (362lm @ 250mA)



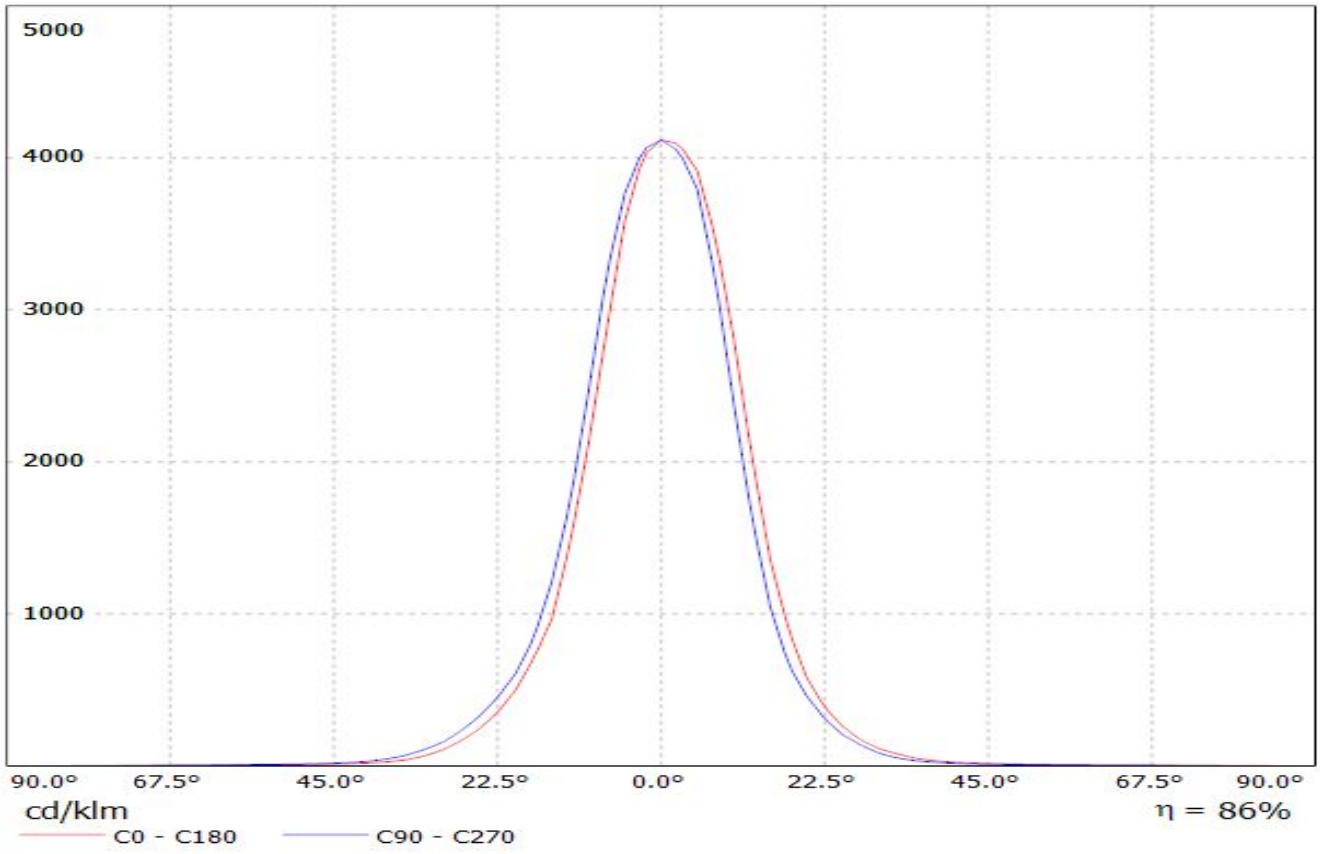
Luminaire: LEDIL OY CA12858_EVA-O / CP12857_EVA-O (Luxeon M) Efficiency=83%
Lamps: 1 x Luxeon M (362lm @ 250mA)



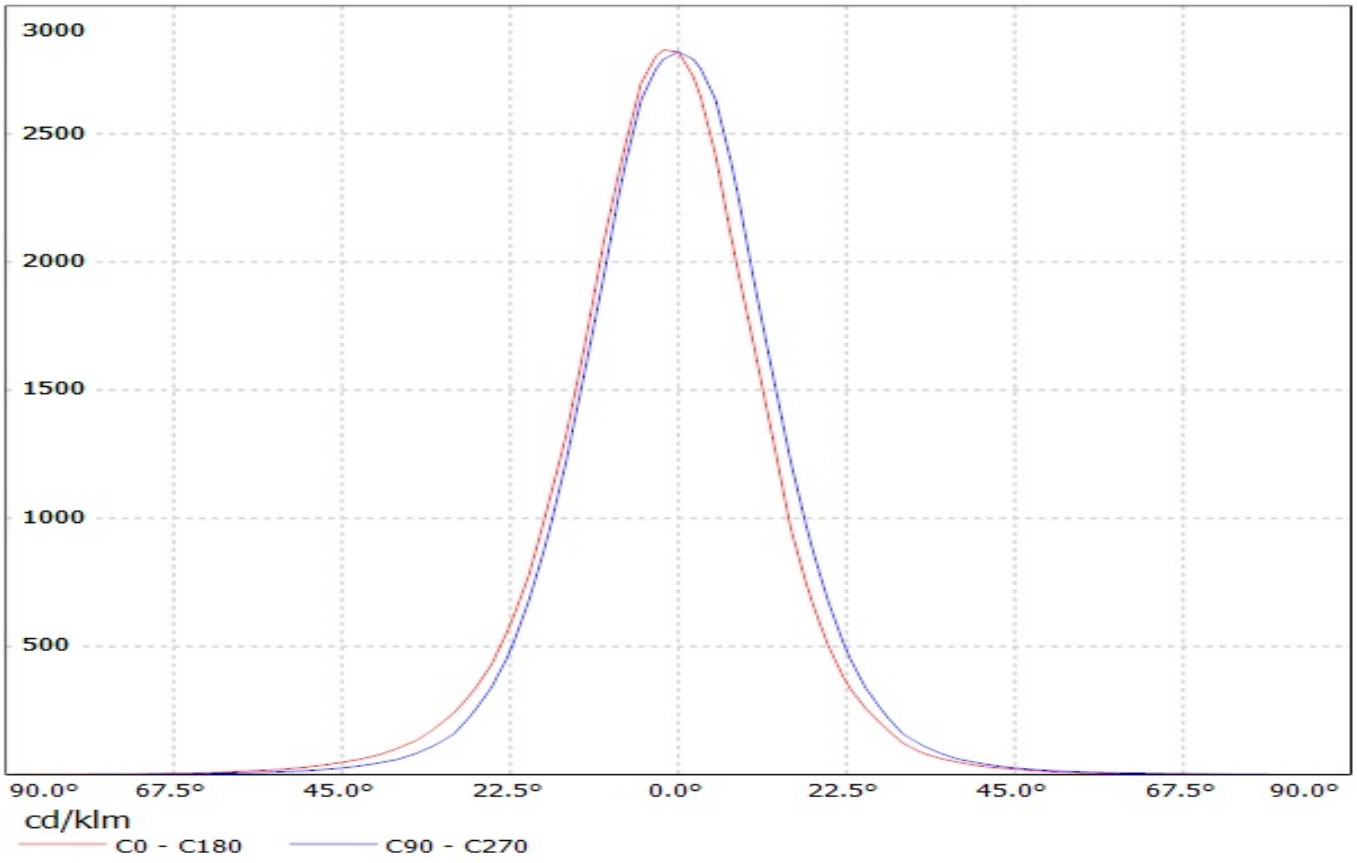
Luminaire: LEDIL OY CA14403_EVA-O (Luxeon M) Efficiency=83%
Lamps: 1 x Luxeon M (362lm @ 250mA)



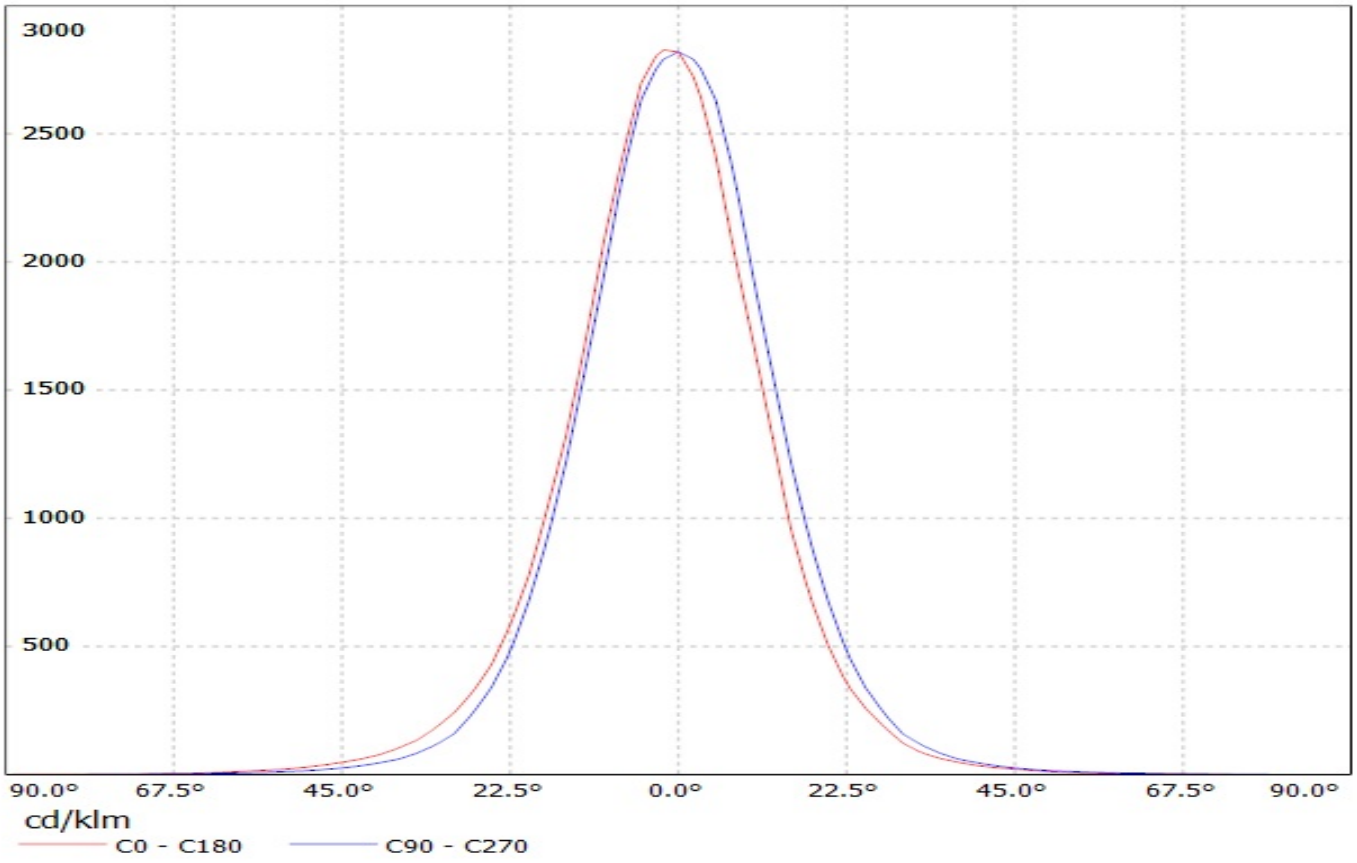
Luminaire: Ledil Oy CA14308_EVA-D (Luxeon M) Efficiency=89%
Lamps: 1 x Luxeon M 362lm @ 250mA



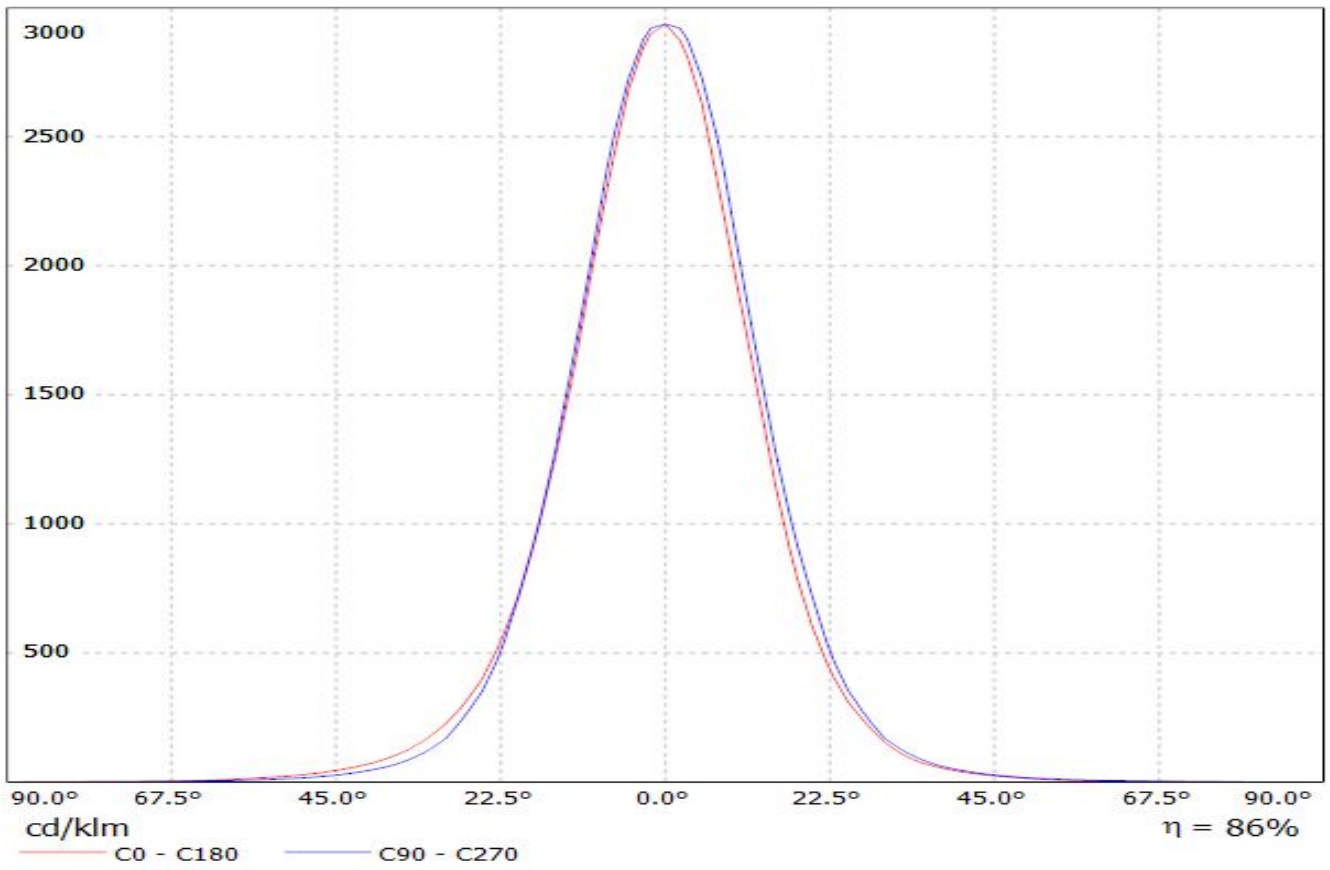
Luminaire: Ledil Oy CA12803_EVA-M & CP12819_EVA-M (Luxeon M) Efficiency=87%
Lamps: 1 x Luxeon M 362lm @ 250mA



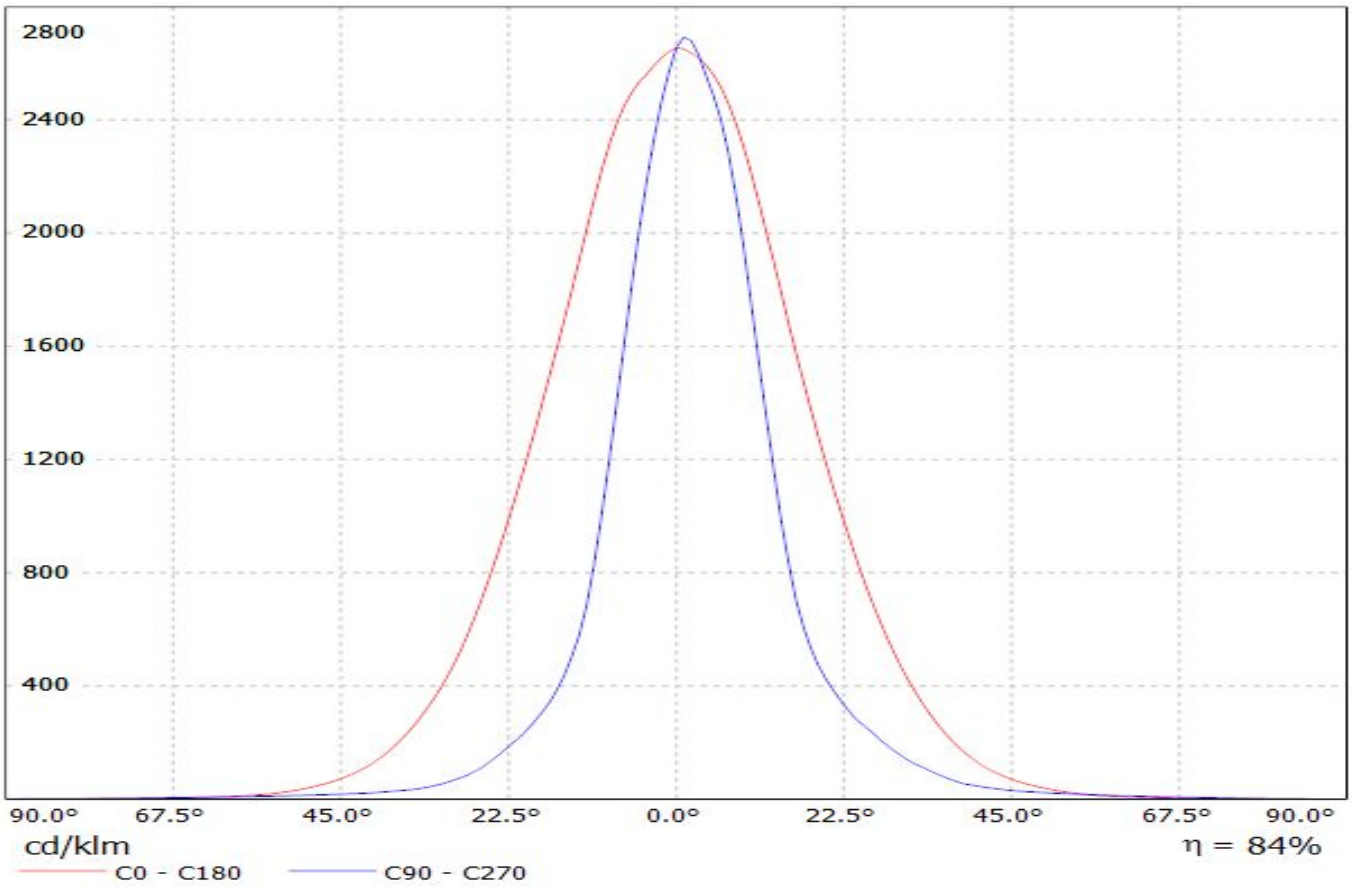
Luminaire: Ledil Oy CA12803_EVA-M & CP12819_EVA-M (Luxeon M) Efficiency=87%
Lamps: 1 x Luxeon M 362lm @ 250mA



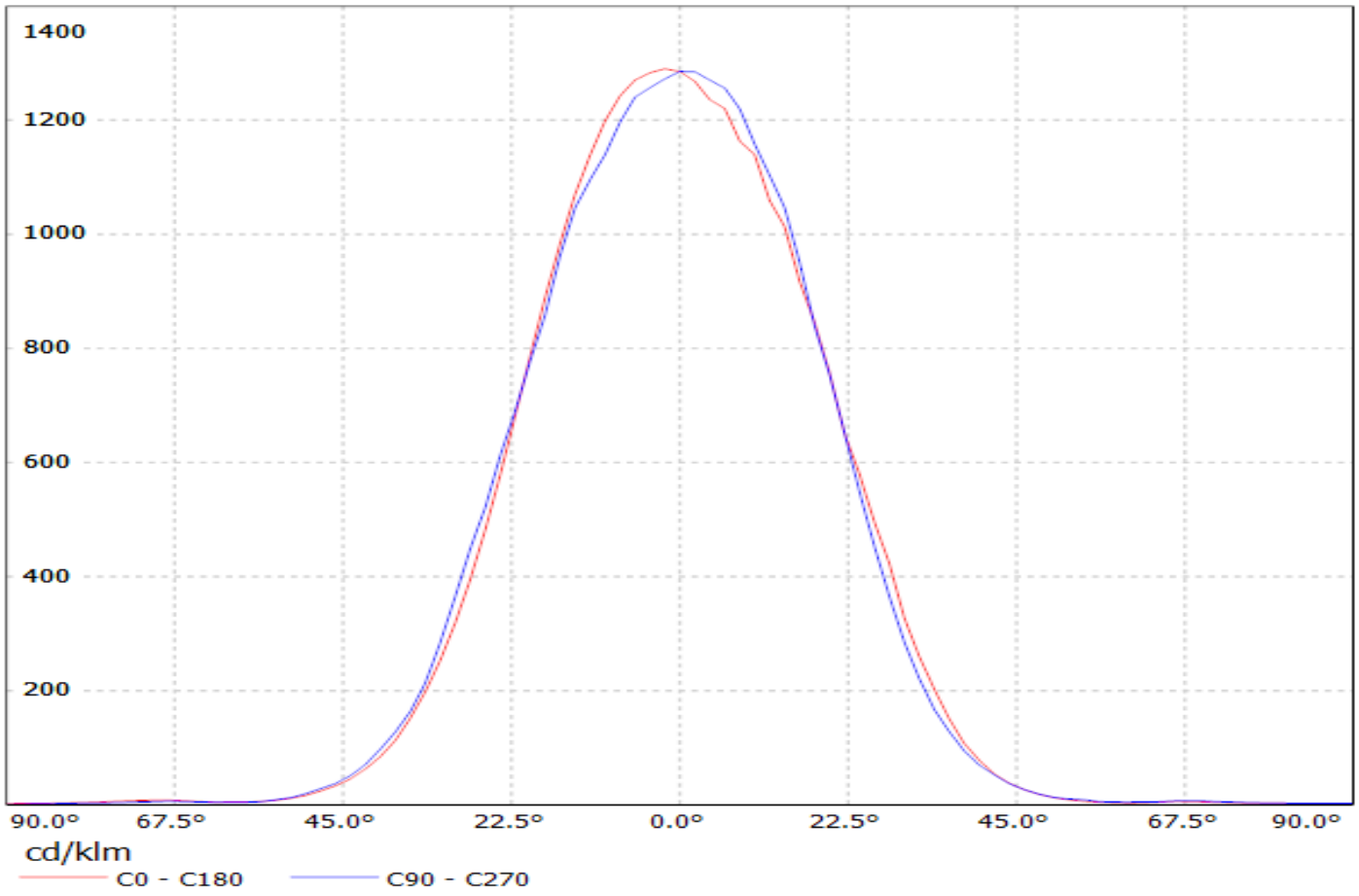
Luminaire: Ledil Oy CA14402_EVA-M Efficiency=87%
Lamps: 1 x Luxeon M 348lm @ 250mA



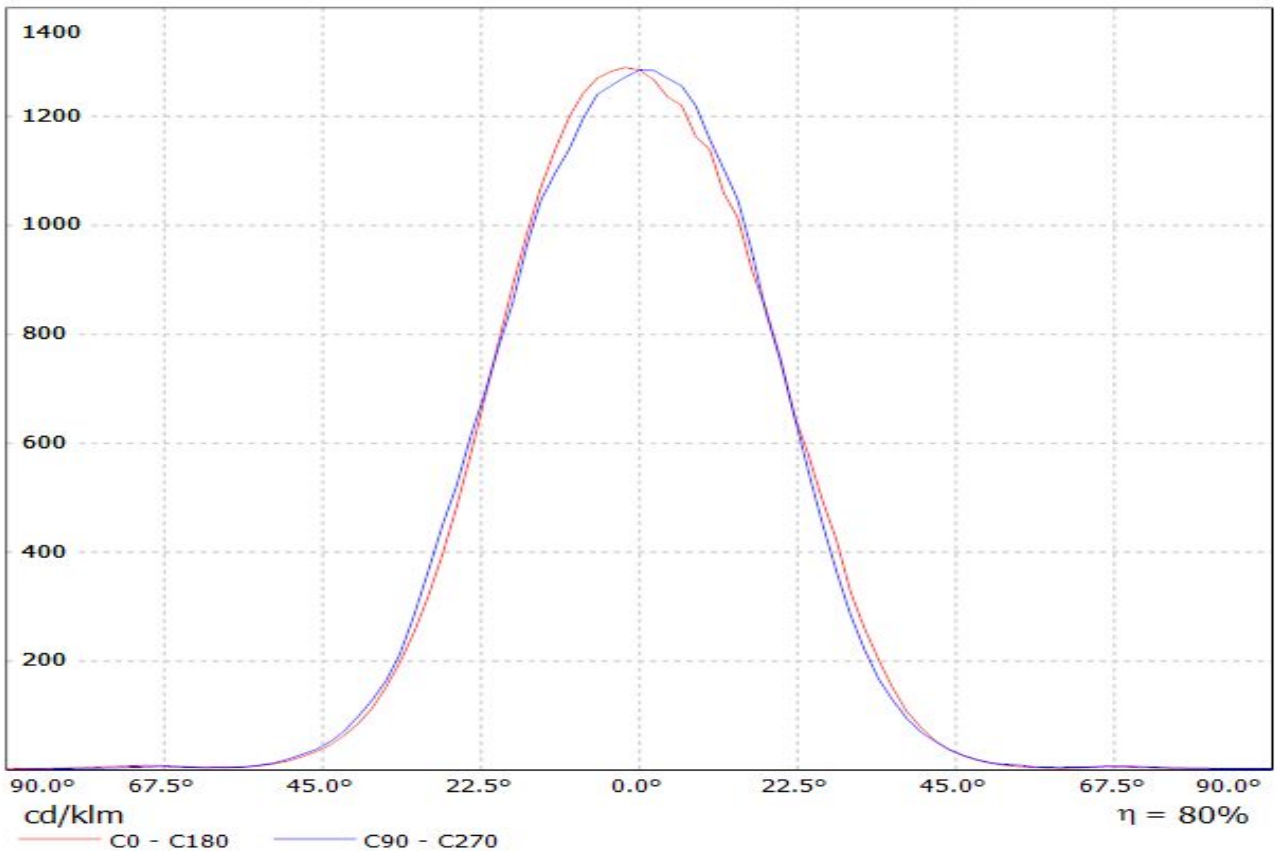
Luminaire: Ledil C15741_EVA-O-90_(LUXEON_M)_C3
Lamps: 1 x LUXEON_M_(LXR8-SW40)_393.011lm@250mA_P=2.78011W_I=0.25A



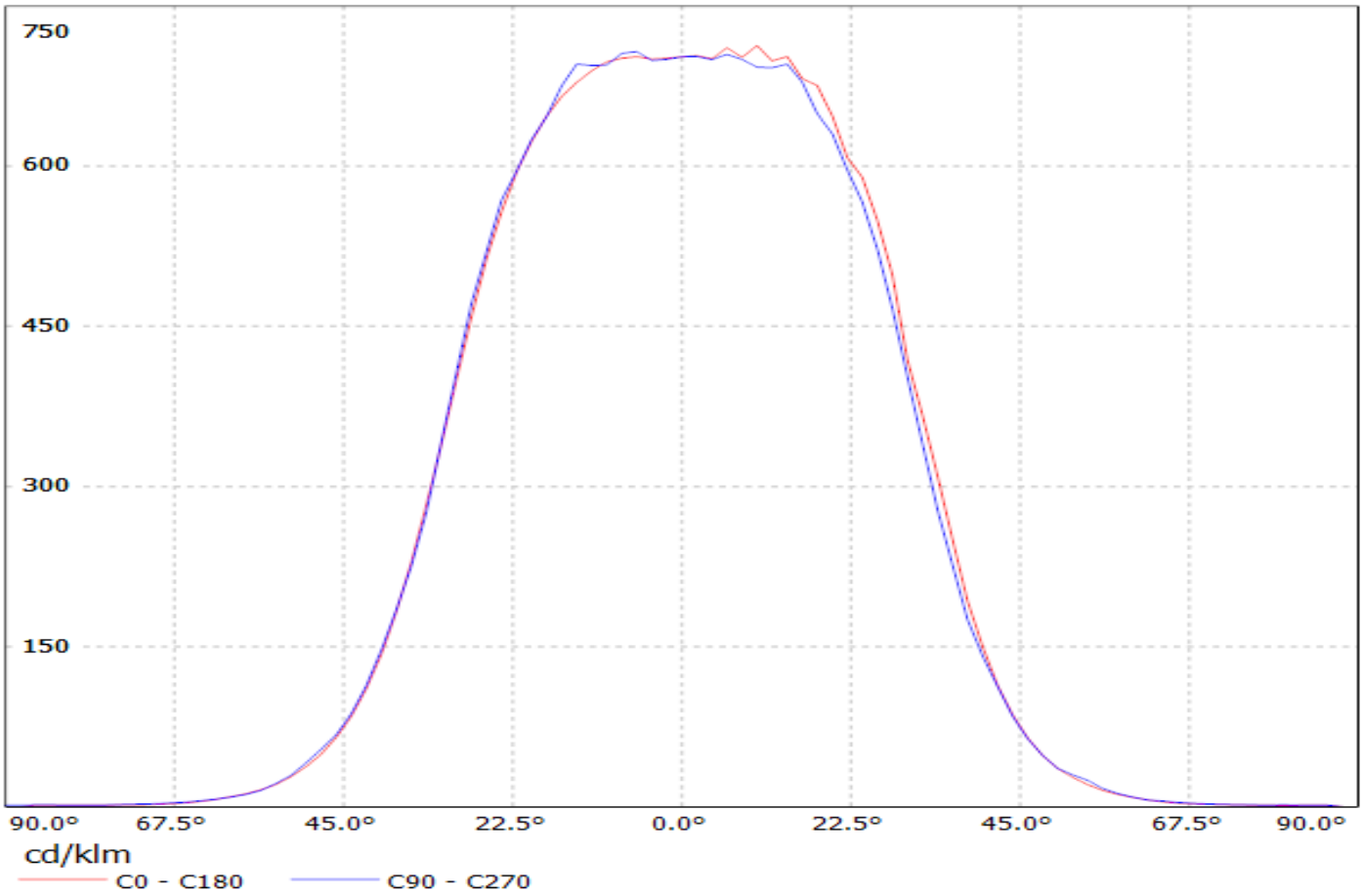
Luminaire: Ledil C10686_EVA-W (Luxeon M) Efficiency=80%
Lamps: 1 x Luxeon M (362lm @ 250mA)



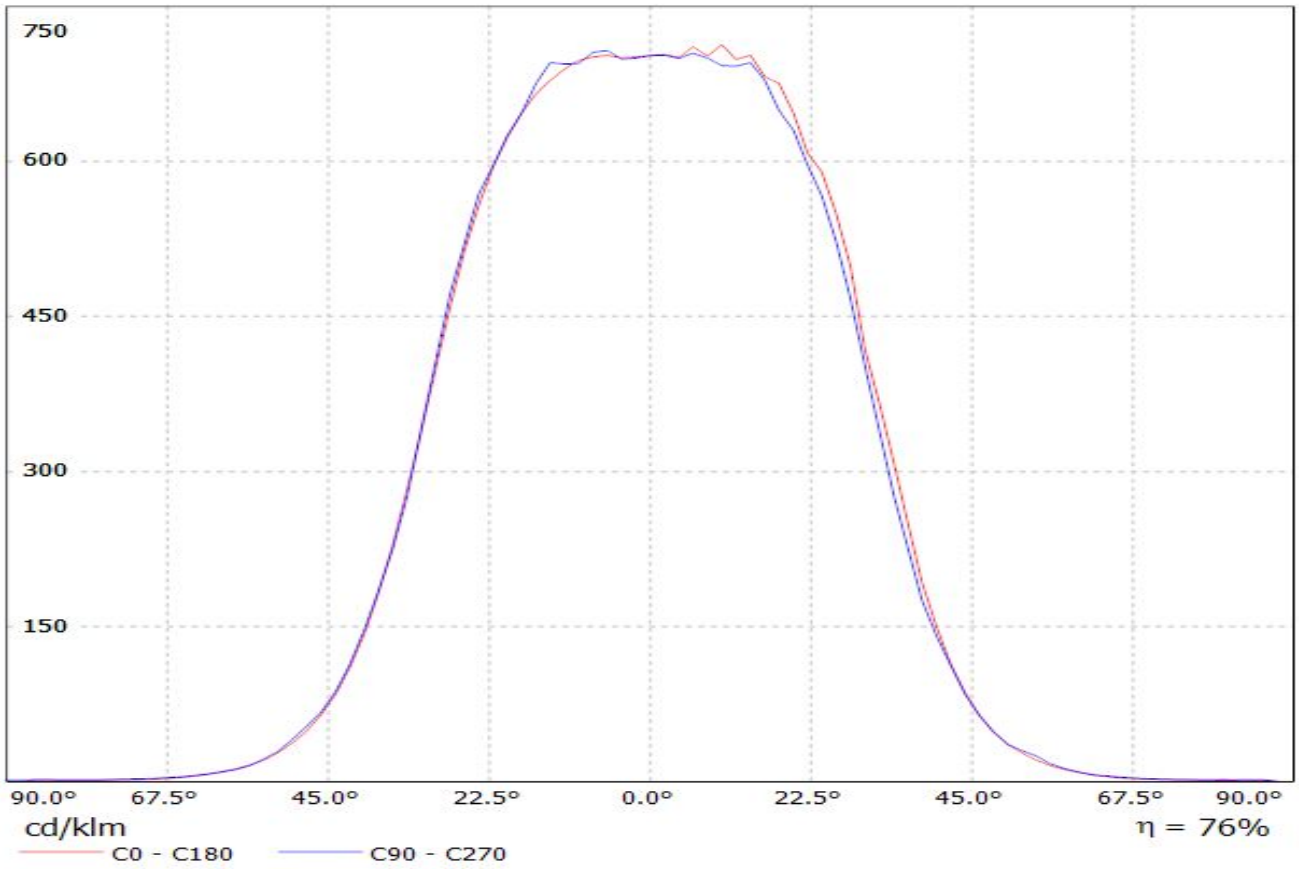
Luminaire: Ledil CA14309_EVA-W (Luxeon M) Efficiency=80%
Lamps: 1 x Luxeon M (362lm @ 250mA)



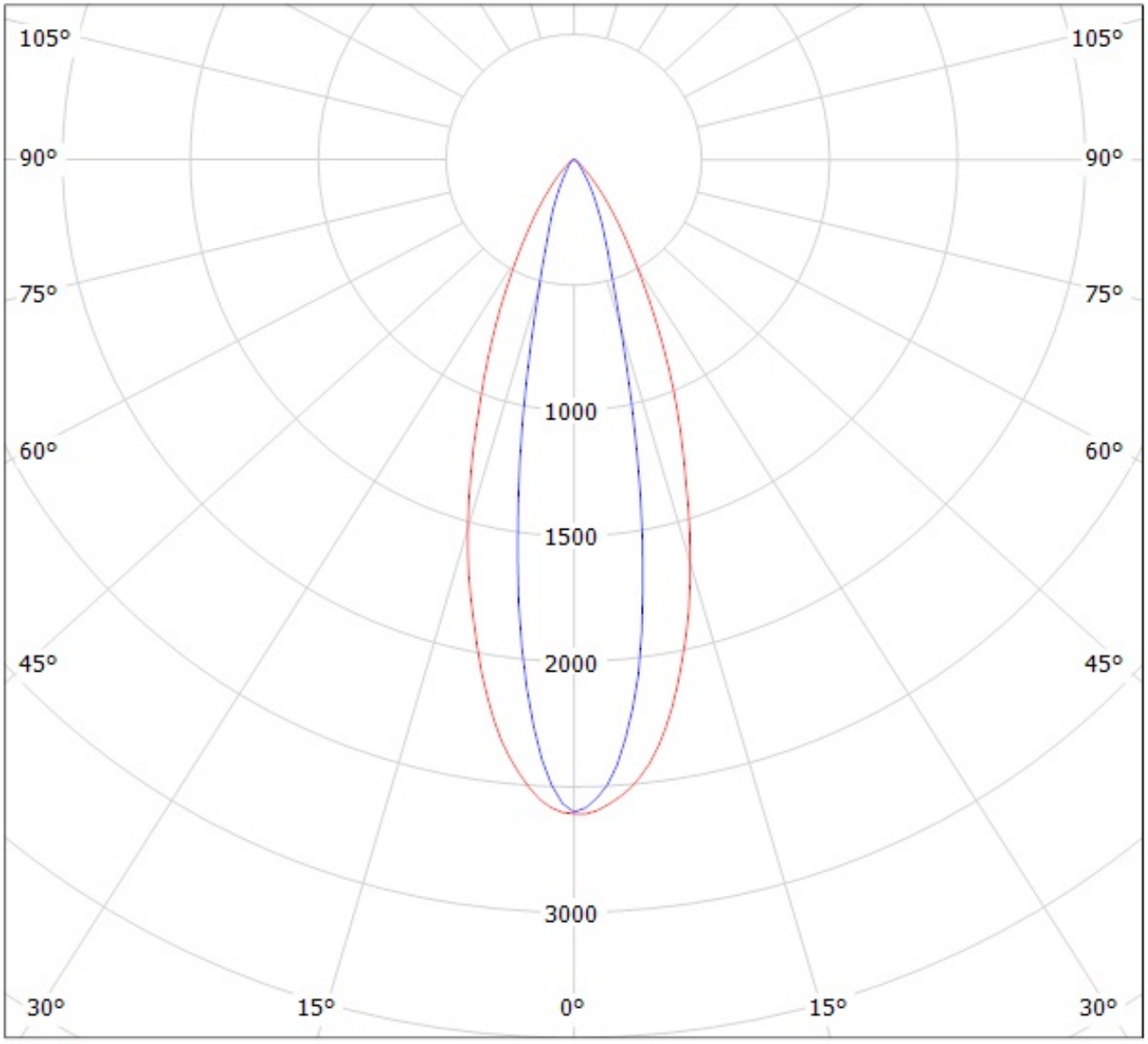
Luminaire: Ledil Oy C10909_EVA-WW (Luxeon M) Efficiency=78%
Lamps: 1 x Luxeon M (362lm @ 250mA)



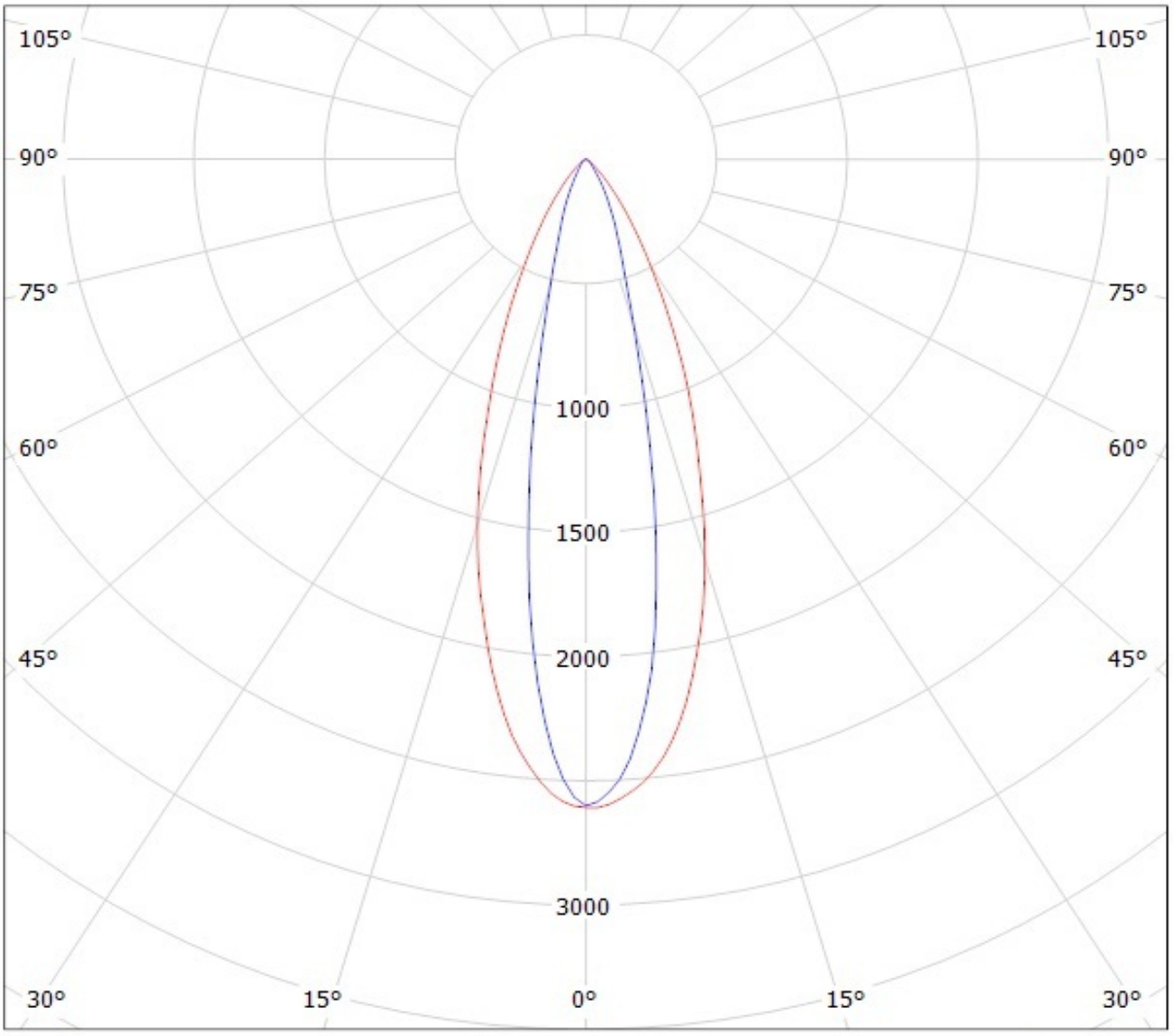
Luminaire: Ledil Oy CA14310_EVA-WW (Luxeon M) Efficiency=78%
Lamps: 1 x Luxeon M (362lm @ 250mA)



Luminaire: LEDIL OY C12828_EVA-O (Luxeon M) Efficiency=83%
Lamps: 1 x Luxeon M (362lm @ 250mA)



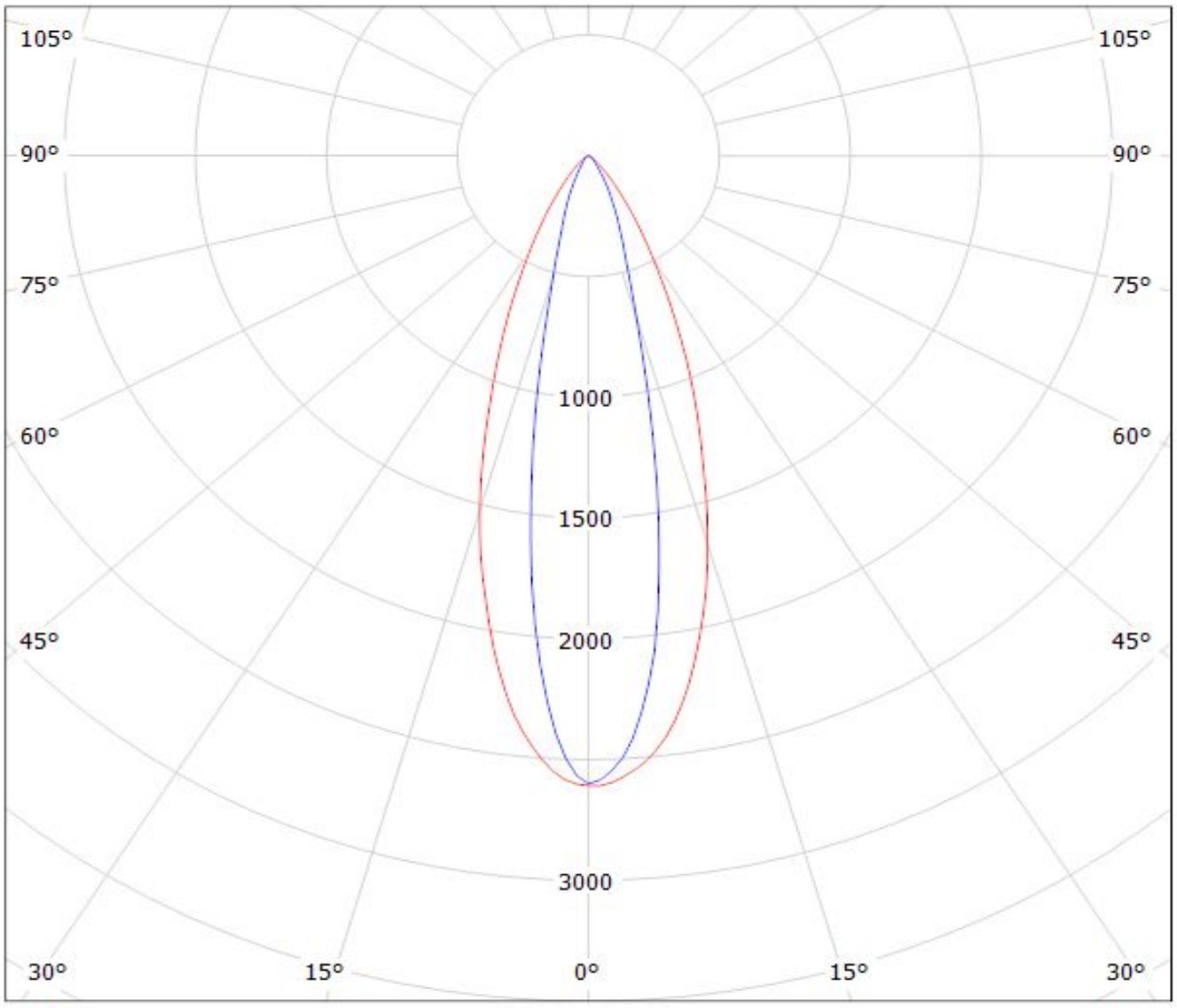
Luminaire: LEDIL OY CA12858_EVA-O / CP12857_EVA-O (Luxeon M) Efficiency=83%
Lamps: 1 x Luxeon M (362lm @ 250mA)



cd/klm

C0 - C180 C90 - C270

Luminaire: LEDIL OY CA14403_EVA-O (Luxeon M) Efficiency=83%
Lamps: 1 x Luxeon M (362lm @ 250mA)

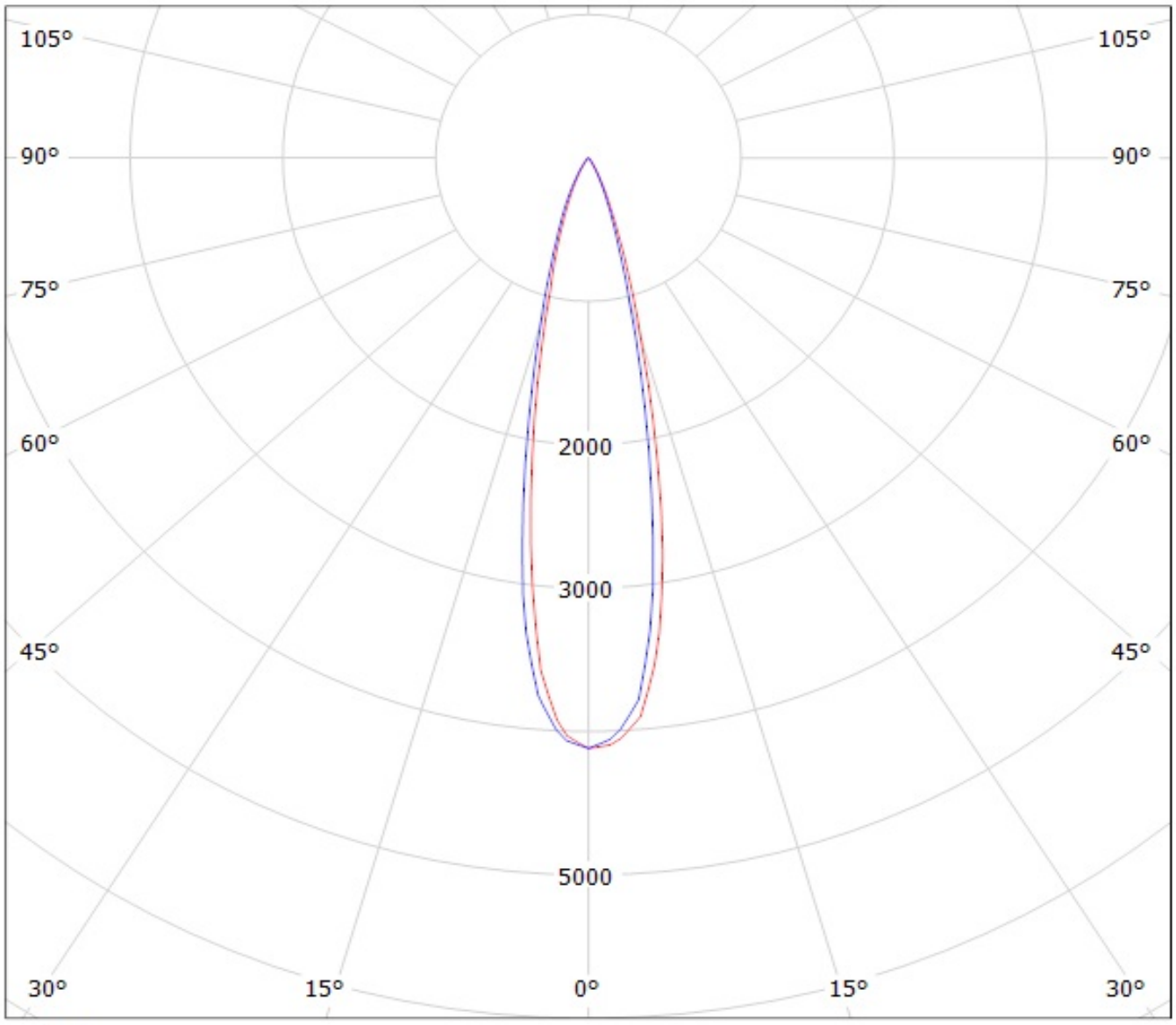


cd/klm

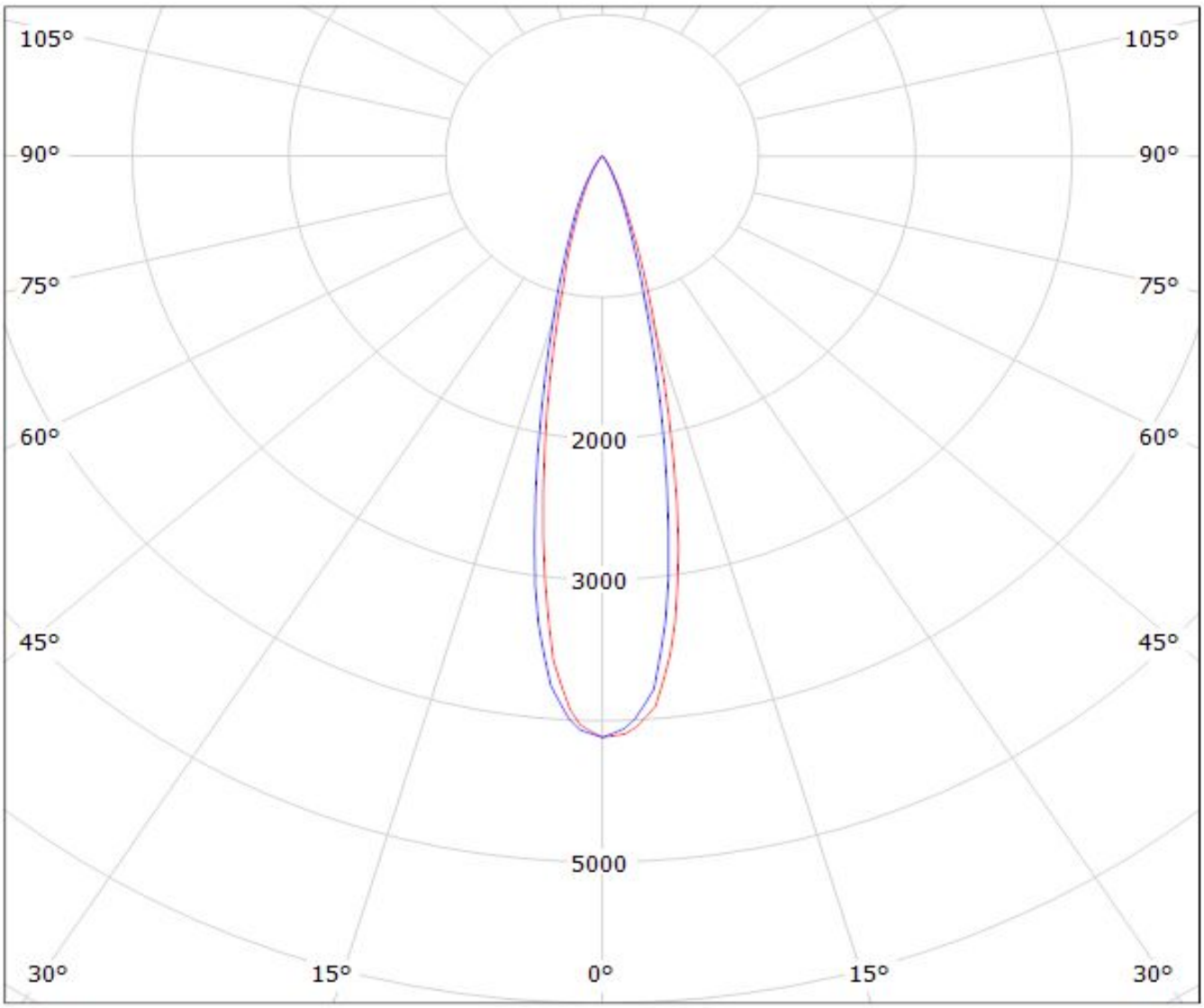
η = 84%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CA12802_EVA-D & CP12818_EVA-D (Luxeon M) Efficiency=89%
Lamps: 1 x Luxeon M 362lm @ 250mA



Luminaire: Ledil Oy CA14308_EVA-D (Luxeon M) Efficiency=89%
Lamps: 1 x Luxeon M 362lm @ 250mA

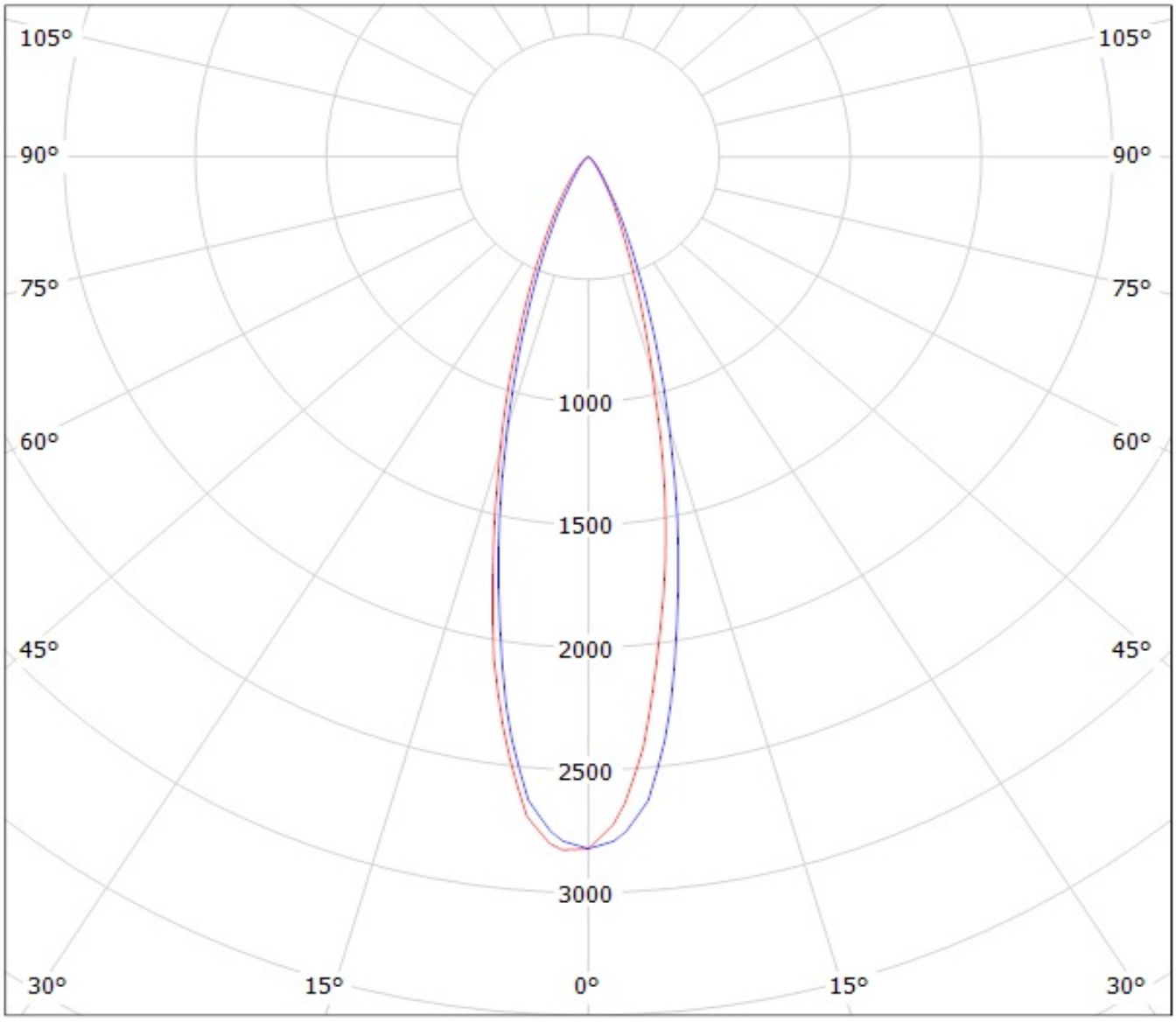


cd/klm

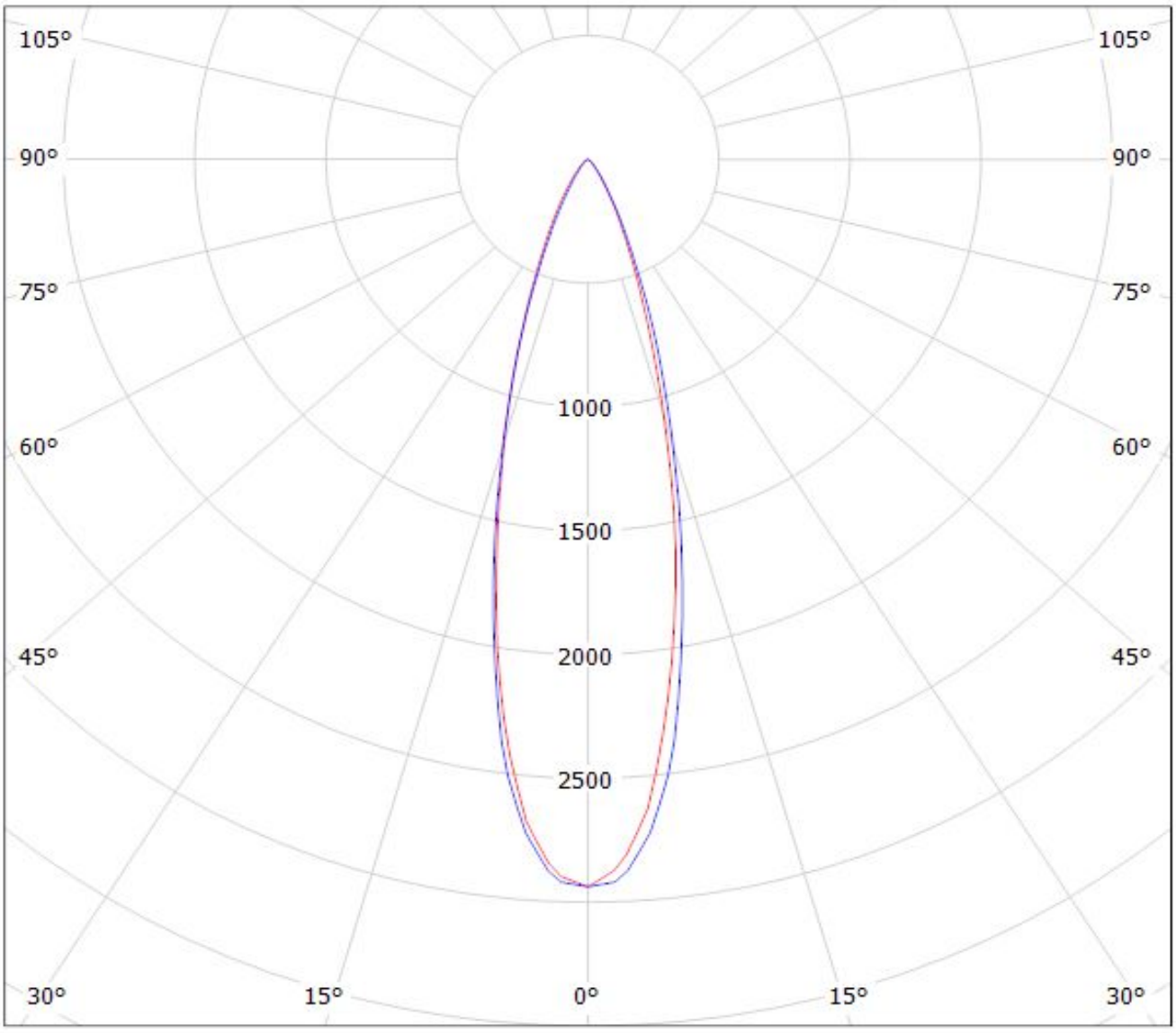
η = 86%

C0 - C180 C90 - C270

Luminaire: Ledil Oy CA12803_EVA-M & CP12819_EVA-M (Luxeon M) Efficiency=87%
Lamps: 1 x Luxeon M 362lm @ 250mA



Luminaire: Ledil Oy CA14402_EVA-M Efficiency=87%
Lamps: 1 x Luxeon M 348lm @ 250mA

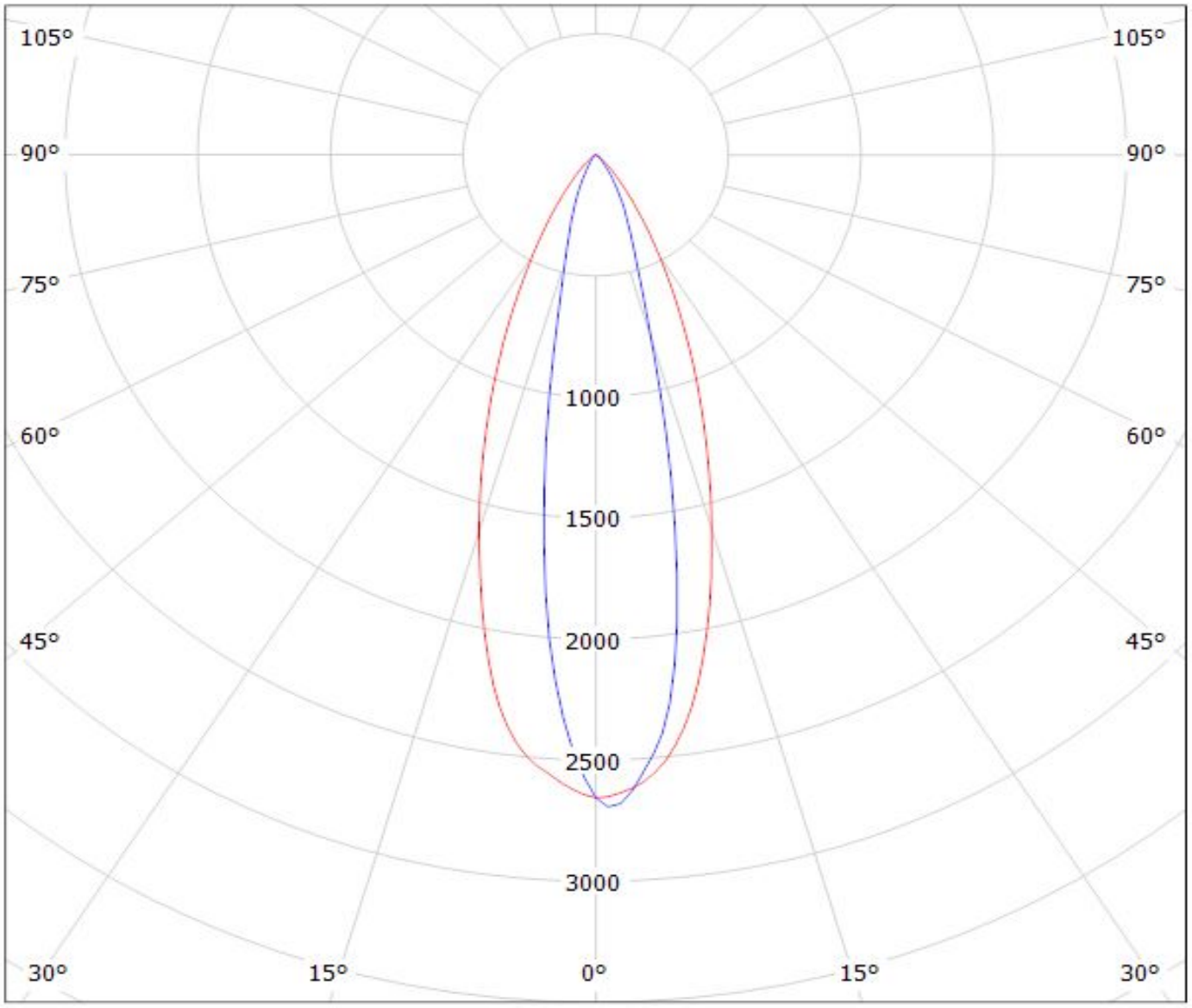


cd/klm

η = 86%

C0 - C180 C90 - C270

Luminaire: Ledil C15741_EVA-O-90_(LUXEON_M)_C3
Lamps: 1 x LUXEON_M_(LXR8-SW40)_393.011lm@250mA_P=2.78011W_I=0.25A

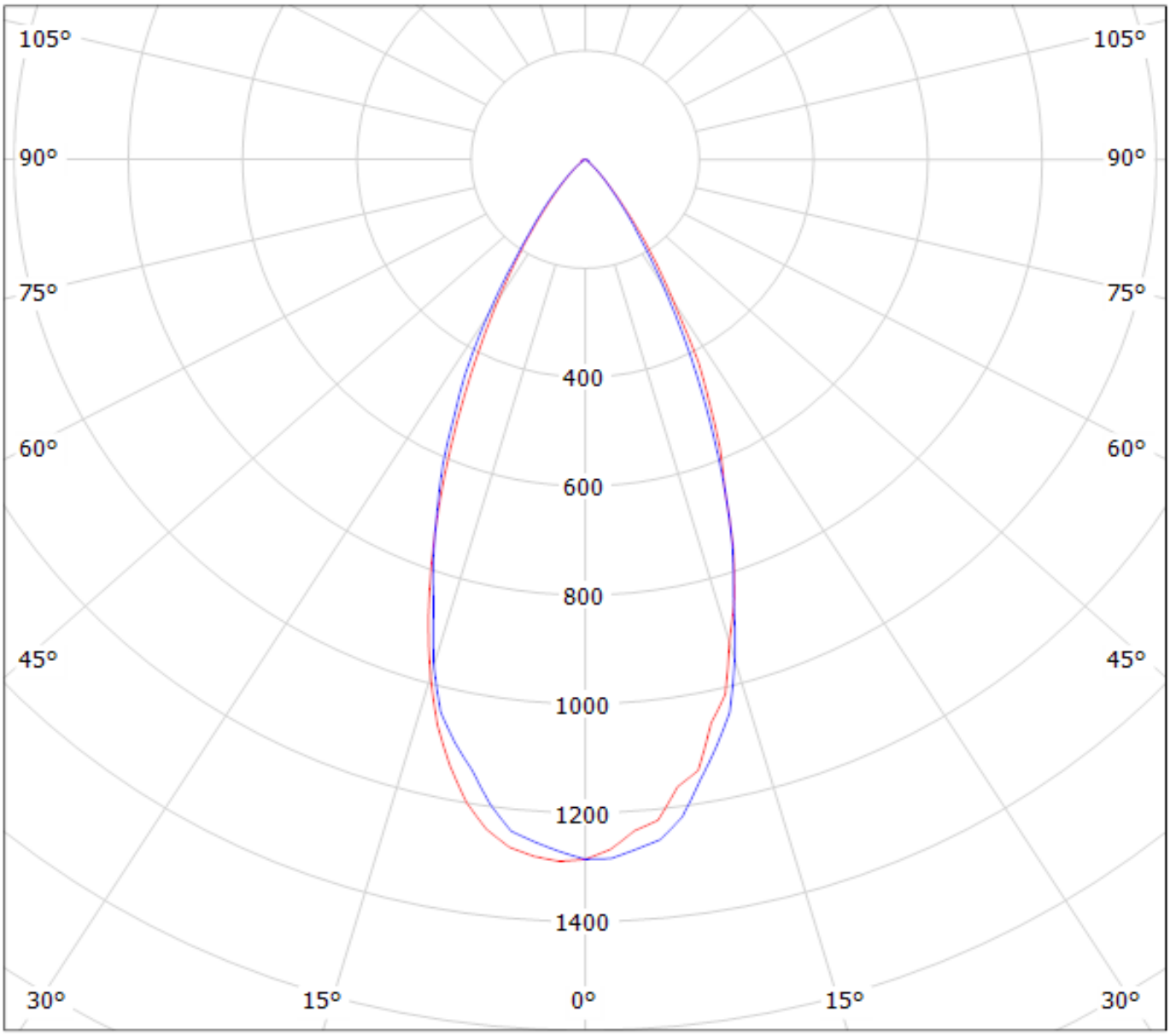


cd/klm

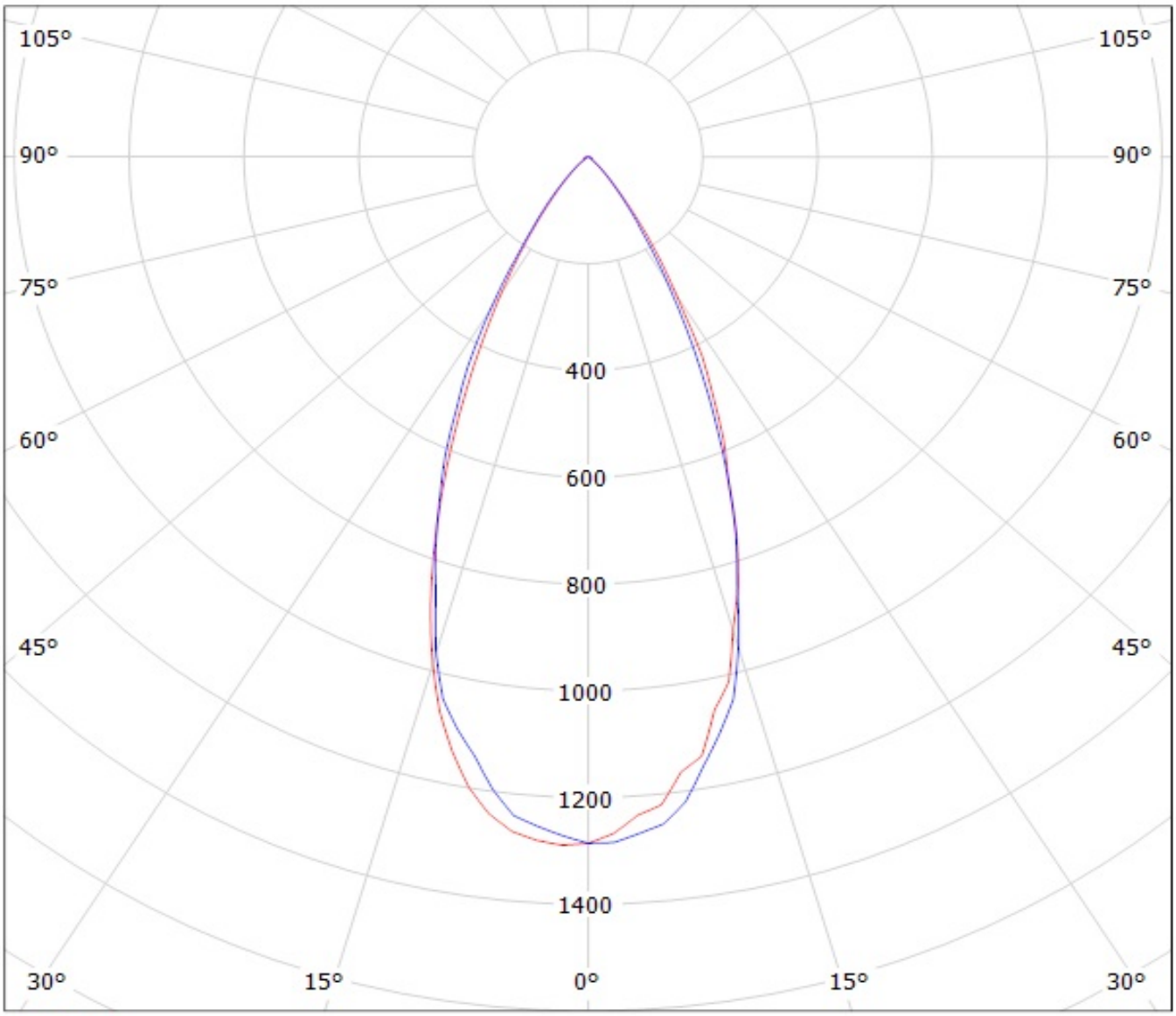
η = 84%

C0 - C180 C90 - C270

Luminaire: Ledil C10686_EVA-W (Luxeon M) Efficiency=80%
Lamps: 1 x Luxeon M (362lm @ 250mA)



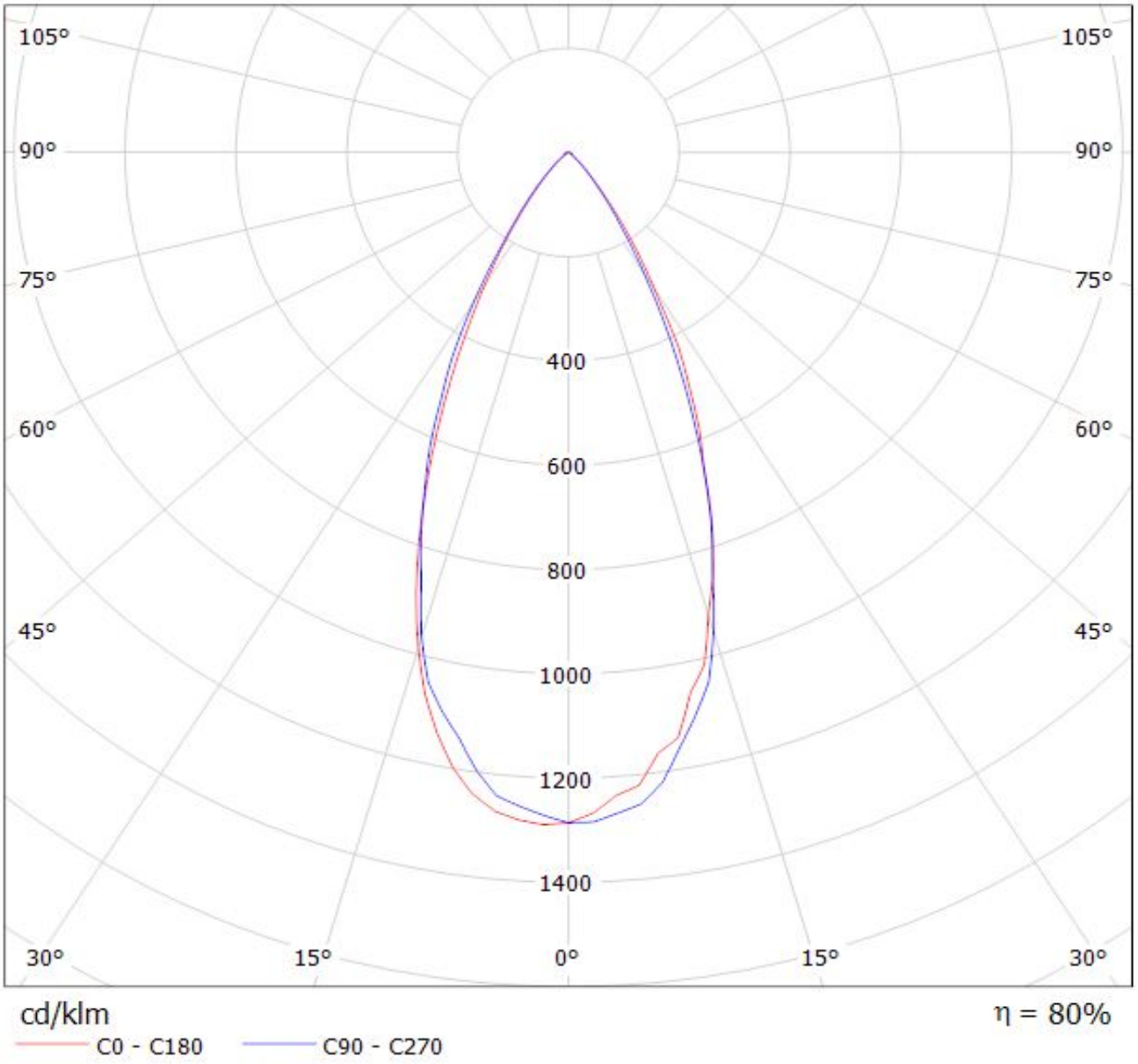
Luminaire: Ledil CA12804_EVA-W & CP12820_EVA-W (Luxeon M) Efficiency=80%
Lamps: 1 x Luxeon M (362lm @ 250mA)



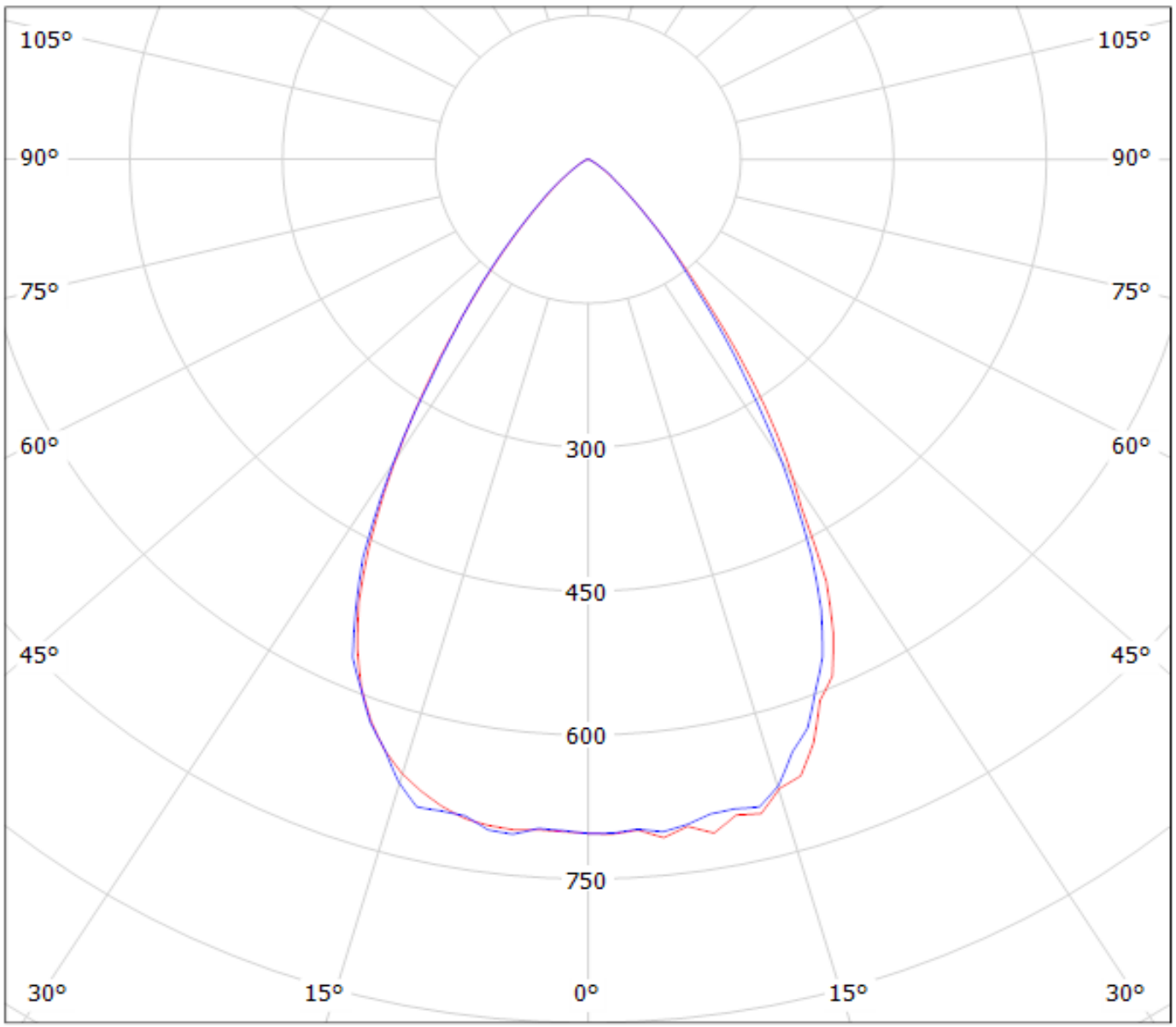
cd/klm

C0 - C180 C90 - C270

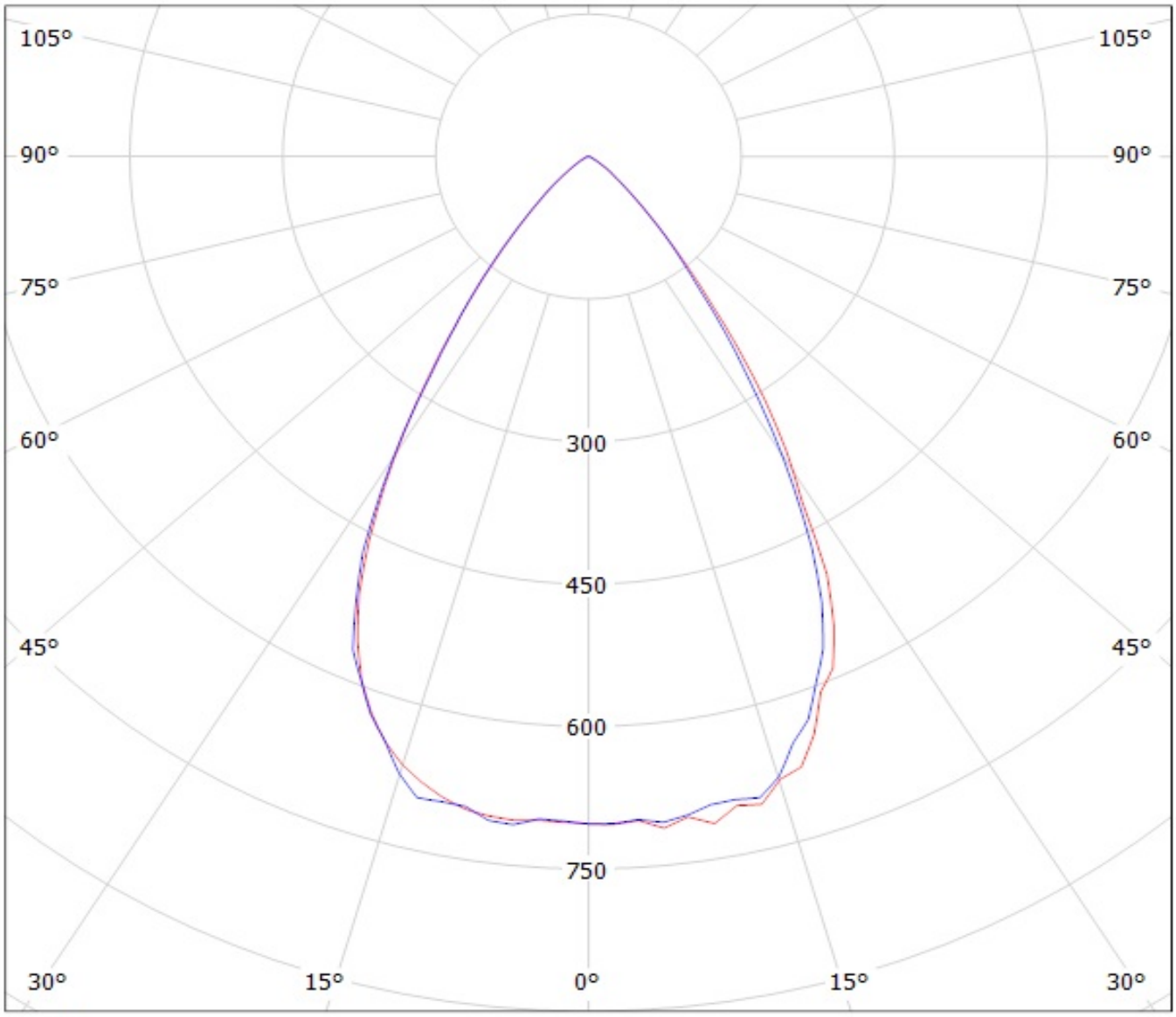
Luminaire: Ledil CA14309_EVA-W (Luxeon M) Efficiency=80%
Lamps: 1 x Luxeon M (362lm @ 250mA)



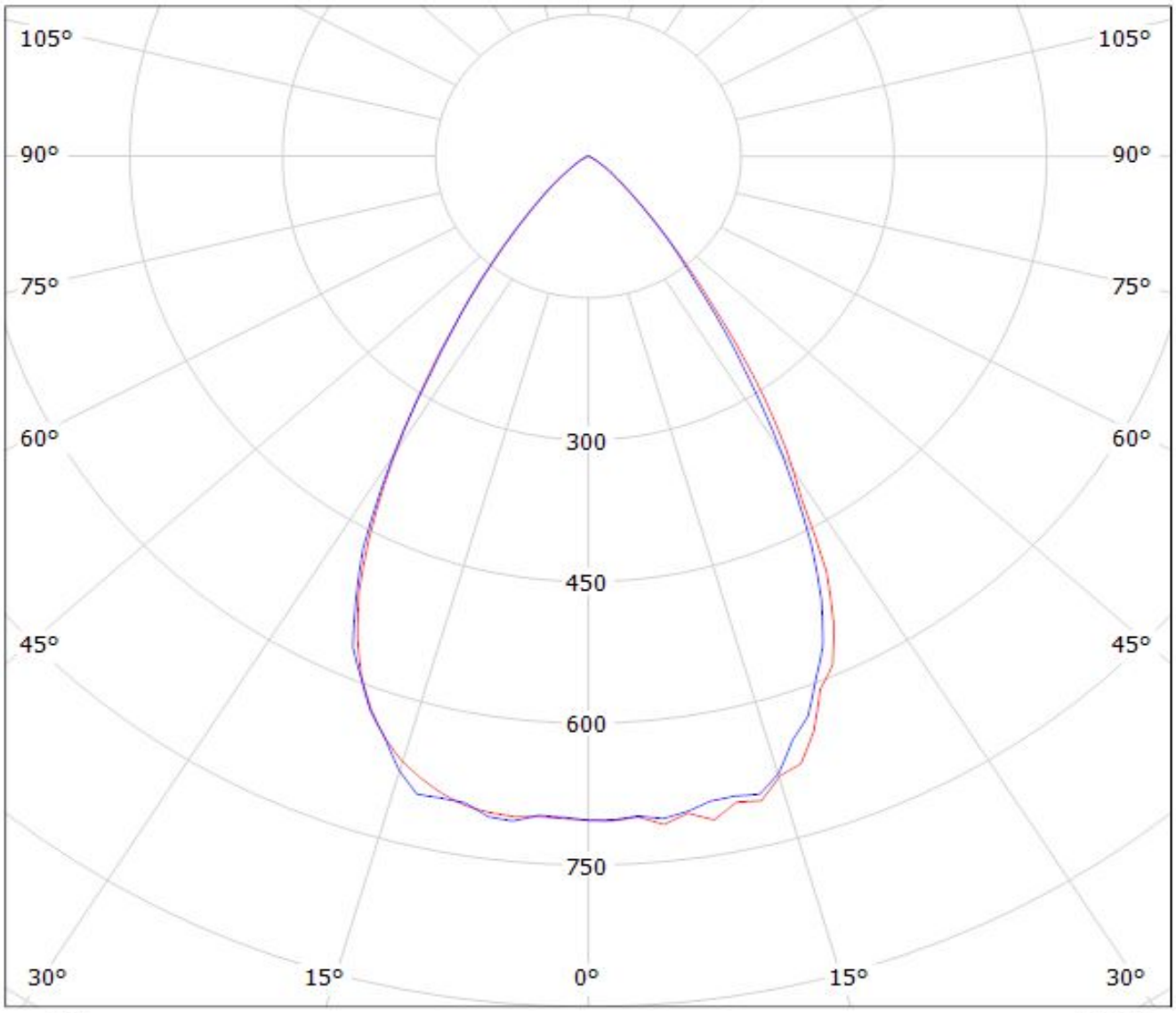
Luminaire: Ledil Oy C10909_EVA-WW (Luxeon M) Efficiency=78%
Lamps: 1 x Luxeon M (362lm @ 250mA)



Luminaire: Ledil Oy CA12805_EVA-WW & CP12821_EVA-WW (Luxeon M) Efficiency=78%
Lamps: 1 x Luxeon M (362lm @ 250mA)



Luminaire: Ledil Oy CA14310_EVA-WW (Luxeon M) Efficiency=78%
Lamps: 1 x Luxeon M (362lm @ 250mA)



cd/klm

η = 76%

C0 - C180 C90 - C270