PRODUCT DATASHEET
Lena series
last update 23/2/2014



Product number **C13324_LENA-STD-BASE-CXA25**

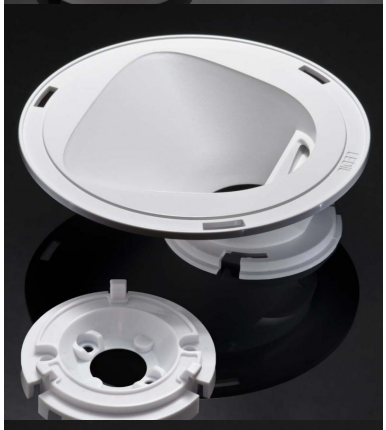
Family	Lena	FWHM	N/A degrees
Type	Base part	Efficiency	-
LED	CXA/B 25xx	cd/lm	-
Color	White	Gerber File	Available
Diameter	58.71 mm		
Height	14.46 mm		
Style	Round		
Optic Material	-		
Holder Material	PC		
Fastening	["screw"]		
Status	Production ready		



Product number **CN13340_LENA-WAS**

Family	Lena	FWHM	Asymmetric degrees
Type	RefPack	Efficiency	75 %
LED	CXA/B 25xx	cd/lm	0.900
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	39.9 mm		
Style	Round		
Optic Material	-		
Holder Material	-		
Fastening	["screw", "socket"]		
Status	Production ready		

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat sink with screws.



Product number **CN13341_LENA-X-WAS**

Family	Lena	FWHM	Asymmetric degrees
Type	RefPack	Efficiency	82 %
LED	CXA/B 25xx	cd/lm	0.600
Color	White	Gerber File	Available
Diameter	111 mm		
Height	39.9 mm		
Style	Round		
Optic Material	-		
Holder Material	-		
Fastening	["screw", "socket"]		
Status	Production ready		

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat sink with screws.



Product number **CN13342_LENA-WAS-DL**

Family	Lena	FWHM	Asymmetric degrees
Type	RefPack	Efficiency	73 %
LED	CXA/B 25xx	cd/lm	0.900
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	42 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	["screw", "socket"]		
Status	Production ready		

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat sink with screws.

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PRODUCT DATASHEET
Lena series
last update 23/2/2014



Product number **CN13343_LENA-X-WAS-DL**

Family	Lena	FWHM	Asymmetric degrees
Type	RefPack	Efficiency	78 %
LED	CXA/B 25xx	cd/lm	0.500
Color	White	Gerber File	Available
Diameter	111 mm		
Height	42 mm		
Style	Round		
Optic Material	HRPC		
Holder Material	-		
Fastening	["socket", "screw"]		
Status	Production ready		

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat sink with screws.



Product number **CN13334_LENA-S**

Family	Lena	FWHM	13 degrees
Type	RefPack	Efficiency	84 %
LED	CXA/B 25xx	cd/lm	8.000
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	87 mm		
Style	Round		
Optic Material	-		
Holder Material	-		
Fastening	["screw", "socket"]		
Status	Production ready		

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat sink with screws.



Product number **CN13337_LENA-S-DL**

Family	Lena	FWHM	13 degrees
Type	RefPack	Efficiency	79 %
LED	CXA/B 25xx	cd/lm	5.900
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	88.9 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	["socket", "screw"]		
Status	Production ready		

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat sink with screws.



Product number **CN13335_LENA-M**

Family	Lena	FWHM	20 degrees
Type	RefPack	Efficiency	82 %
LED	CXA/B 25xx	cd/lm	4.400
Color	Metal	Gerber File	Available
Diameter	111 mm		
Height	87 mm		
Style	Round		
Optic Material	-		
Holder Material	-		
Fastening	["socket", "screw"]		
Status	Production ready		

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat sink with screws.

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PRODUCT DATASHEET
Lena series
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Product number **CN13338_LENA-M-DL**

Family	Lena
Type	RefPack
LED	CXA/B 25xx
Color	Metal
Diameter	111 mm
Height	88.9 mm
Style	Round
Optic Material	PC
Holder Material	-
Fastening	-
Status	Production ready

FWHM	21 degrees
Efficiency	77 %
cd/lm	3.400
Gerber File	Available

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat sink with screws.



Product number **CN13336_LENA-W**

Family	Lena
Type	RefPack
LED	CXA/B 25xx
Color	Metal
Diameter	111 mm
Height	87 mm
Style	Round
Optic Material	-
Holder Material	-
Fastening	["socket", "screw"]
Status	Production ready

FWHM	44 degrees
Efficiency	81 %
cd/lm	1.500
Gerber File	Available

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat sink with screws.



Product number **CN13339_LENA-W-DL**

Family	Lena
Type	RefPack
LED	CXA/B 25xx
Color	Metal
Diameter	111 mm
Height	88.9 mm
Style	Round
Optic Material	PC
Holder Material	-
Fastening	["screw", "socket"]
Status	Production ready

FWHM	44 degrees
Efficiency	76 %
cd/lm	1.300
Gerber File	Available

Reflector twist-and-locks into included base part that holds COB in place. Base part is attached into heat sink with screws.

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 CXA/B 25xx series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

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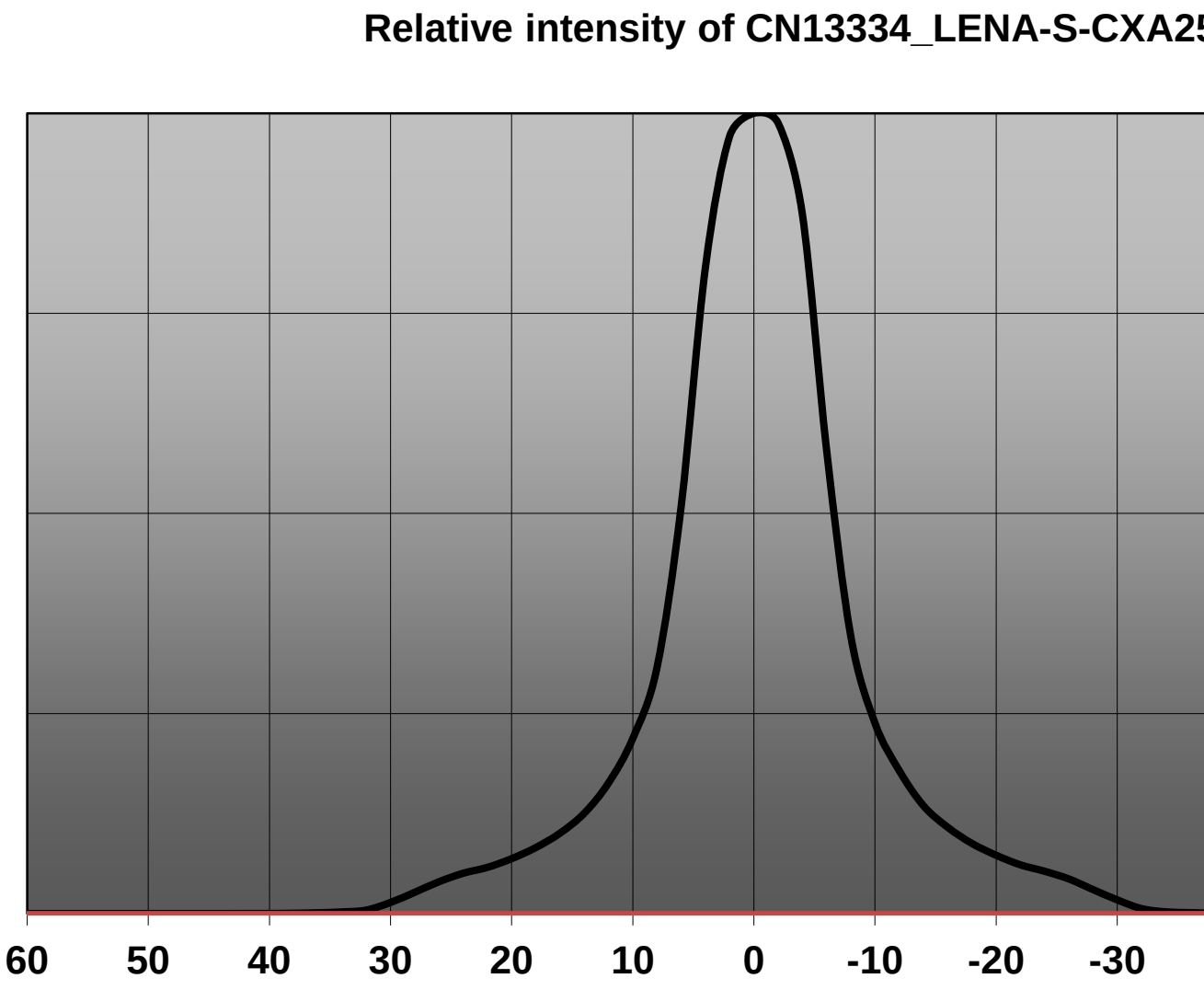
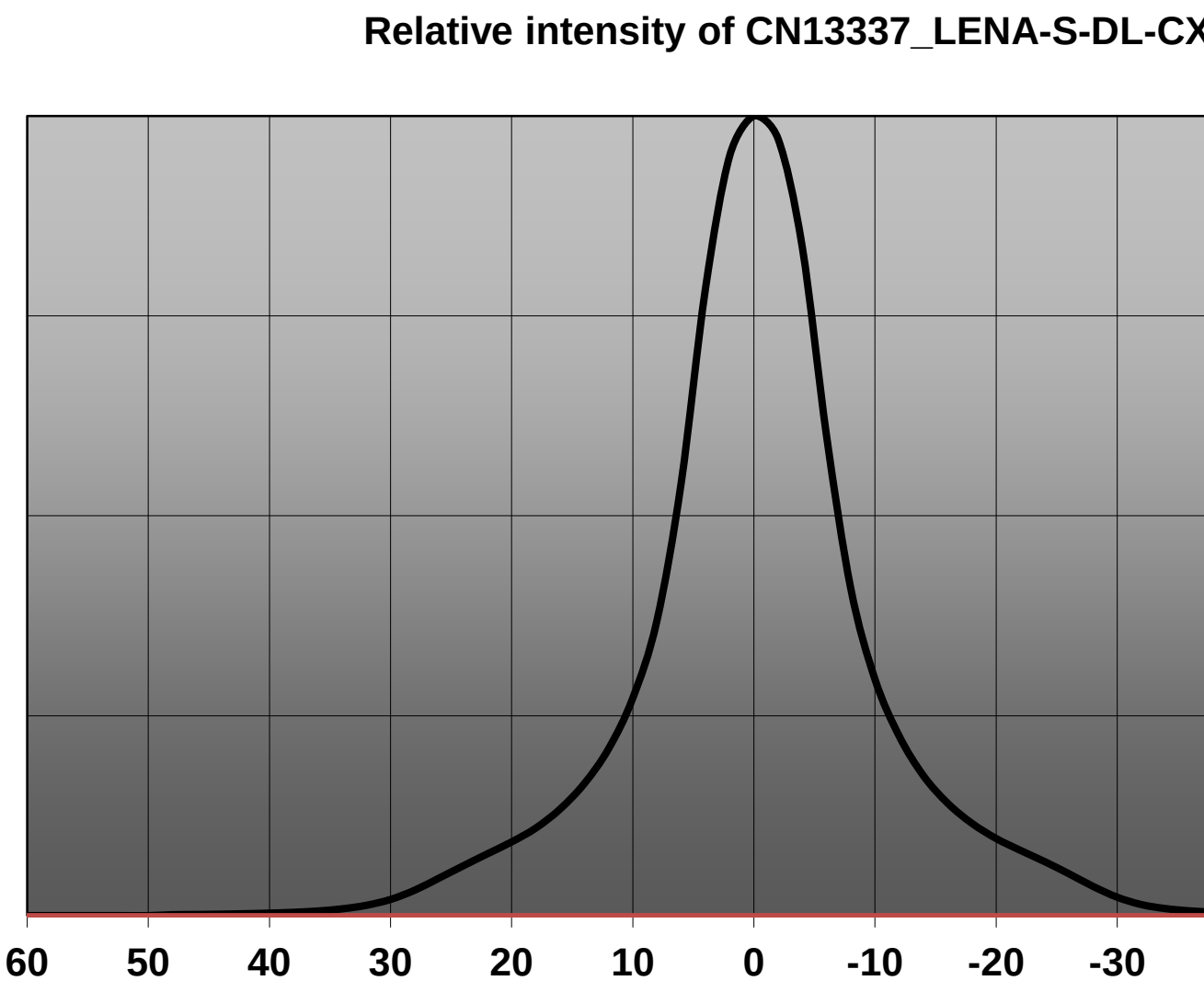
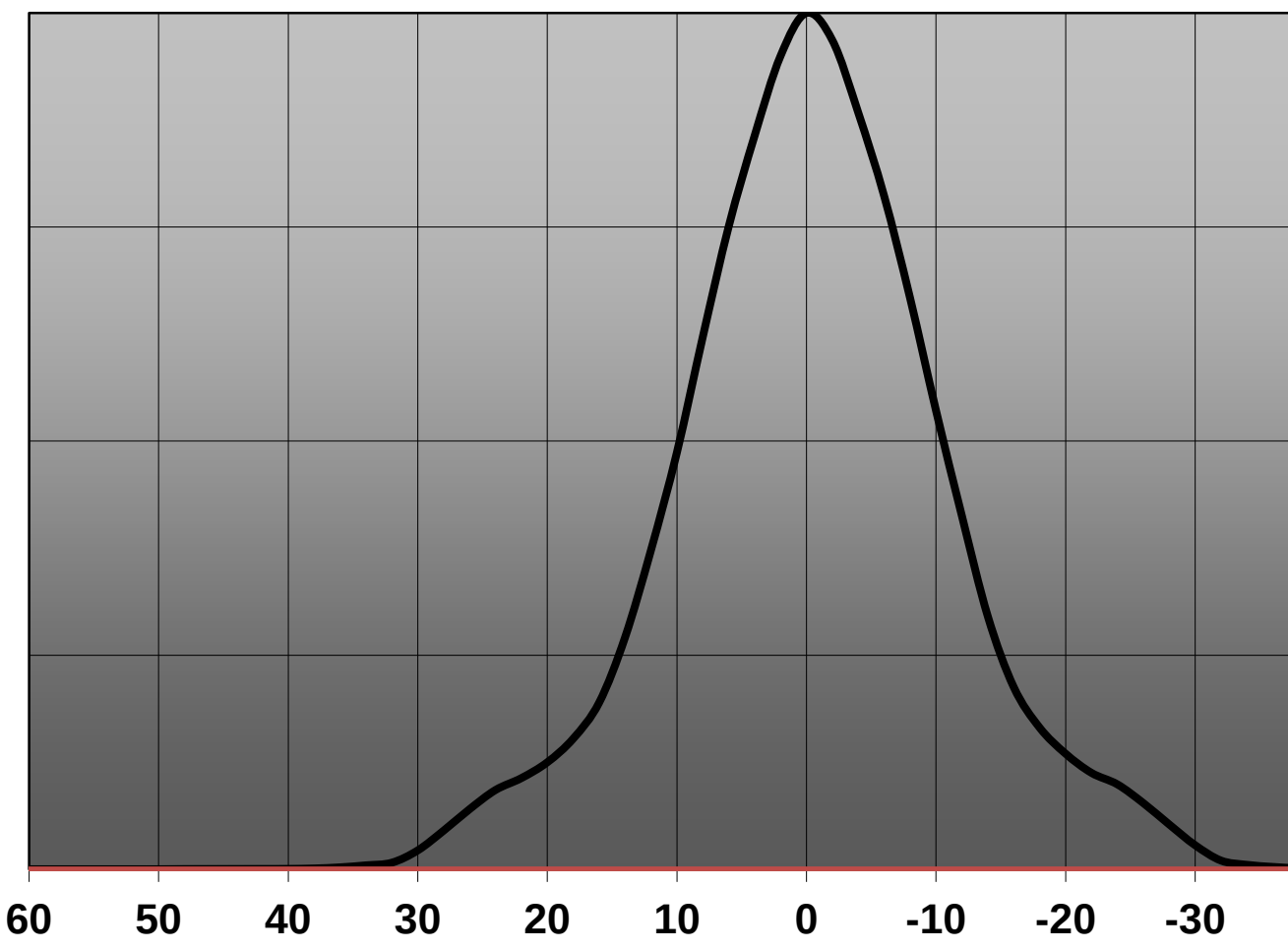
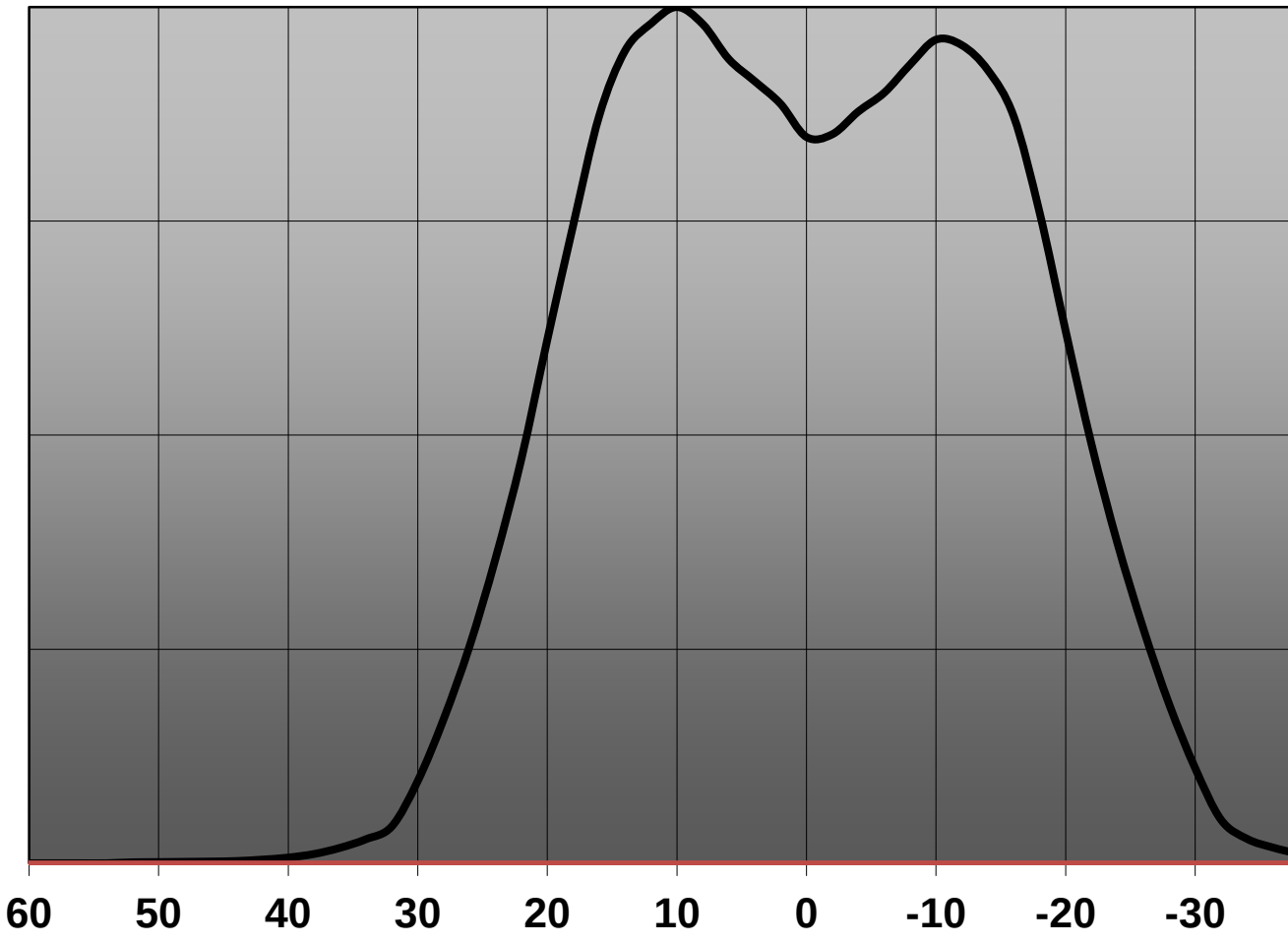

Relative intensity of CN13334_LENA-S-CXA25
60
50
40
30
20
10
0
-10
-20
-30


Relative intensity of CN13337_LENA-S-DL-CX
60
50
40
30
20
10
0
-10
-20
-30

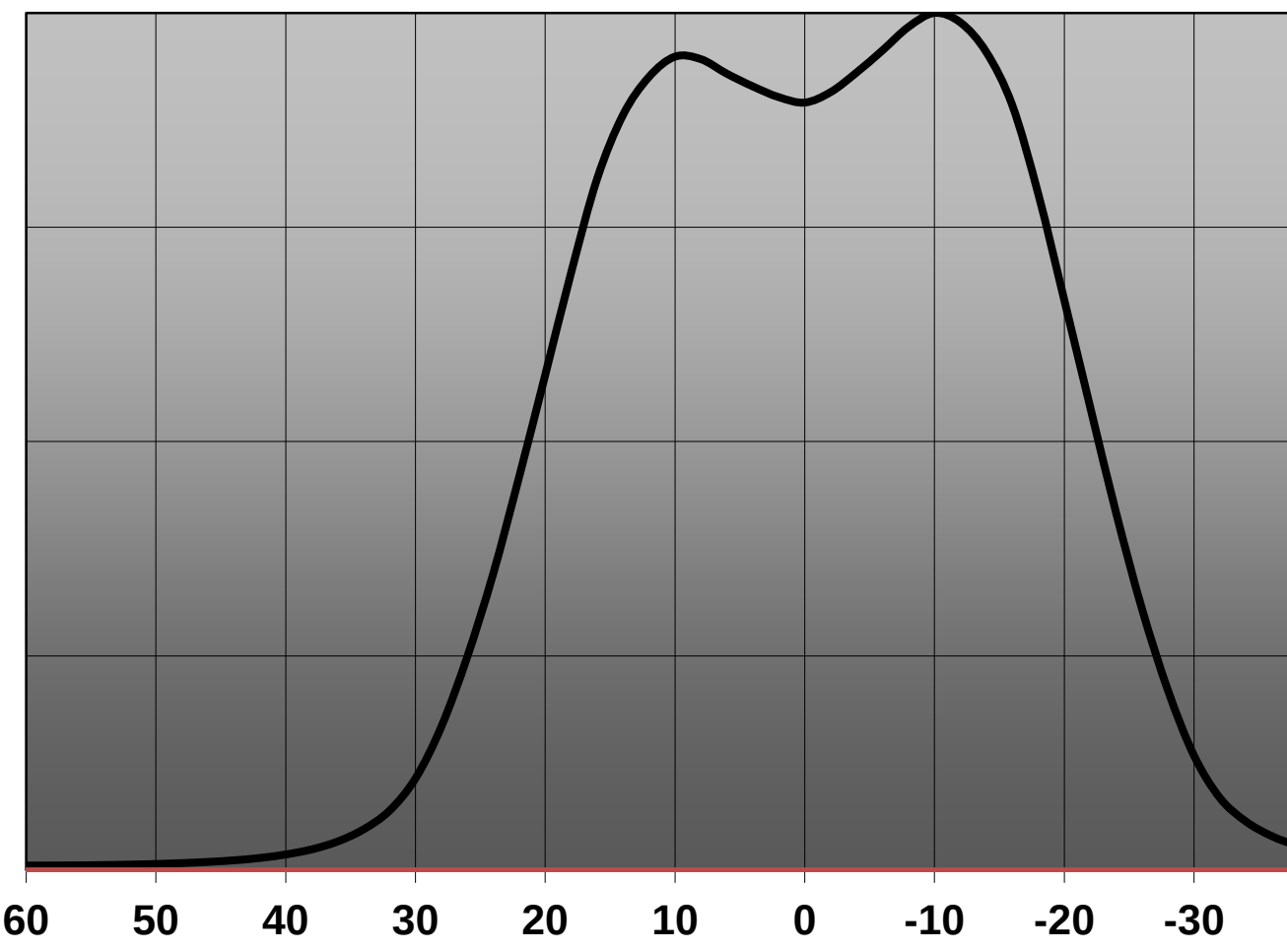
Relative intensity of CN13335_LENA-M-CXA2

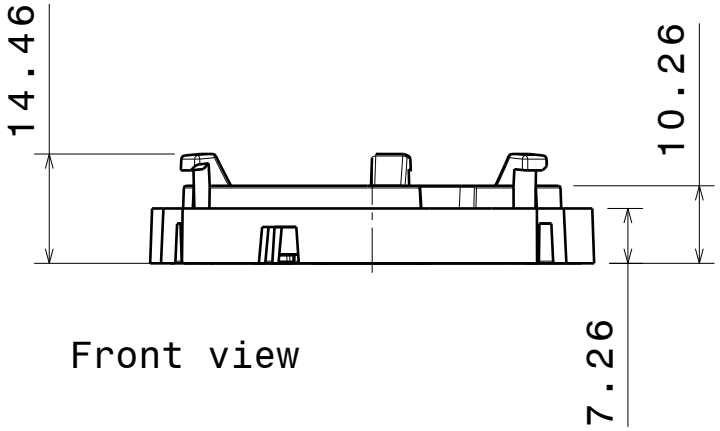


Relative intensity of CN13336_LENA-W-CXA2

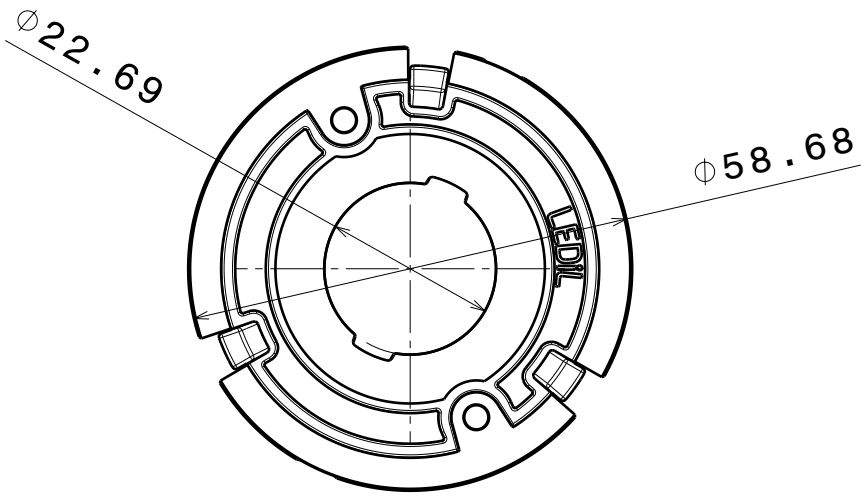


Relative intensity of CN13339_LENA-W-DL-CX



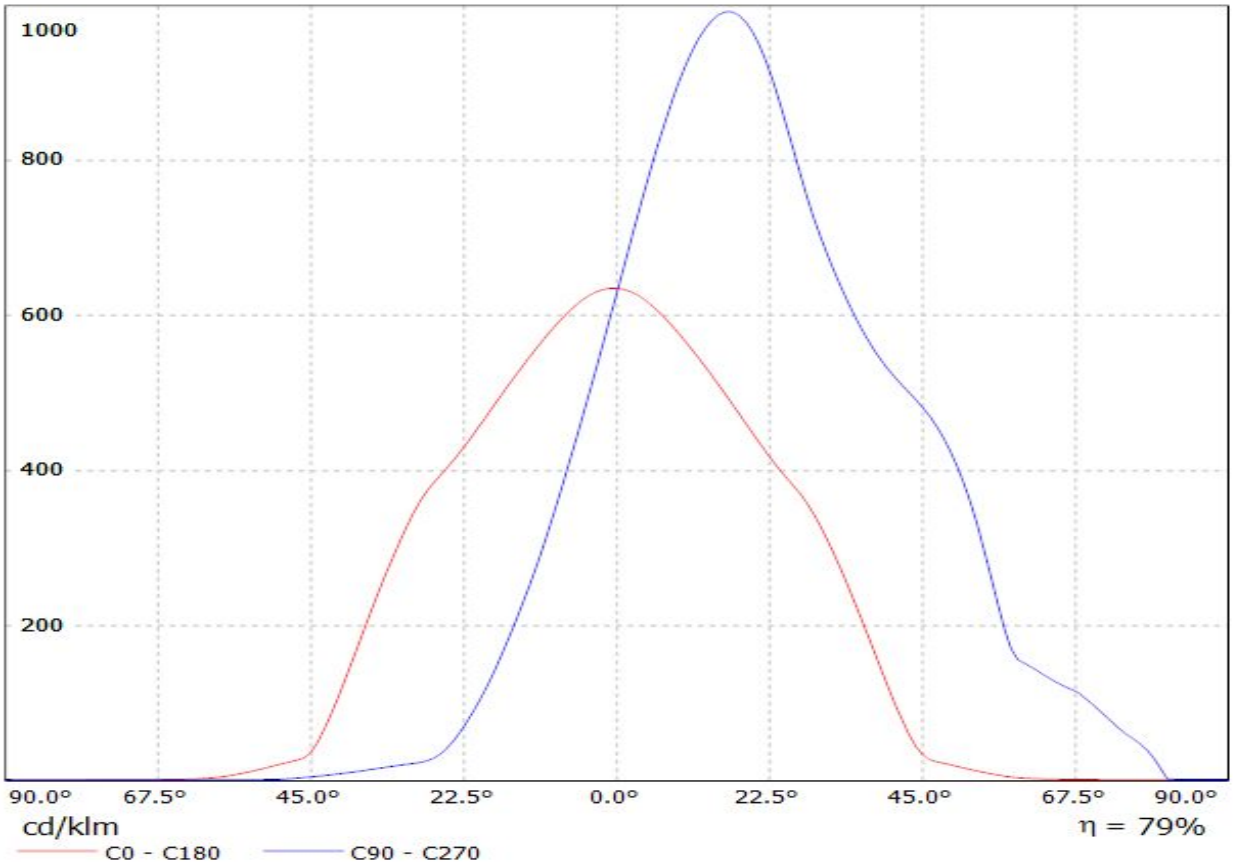


Front view

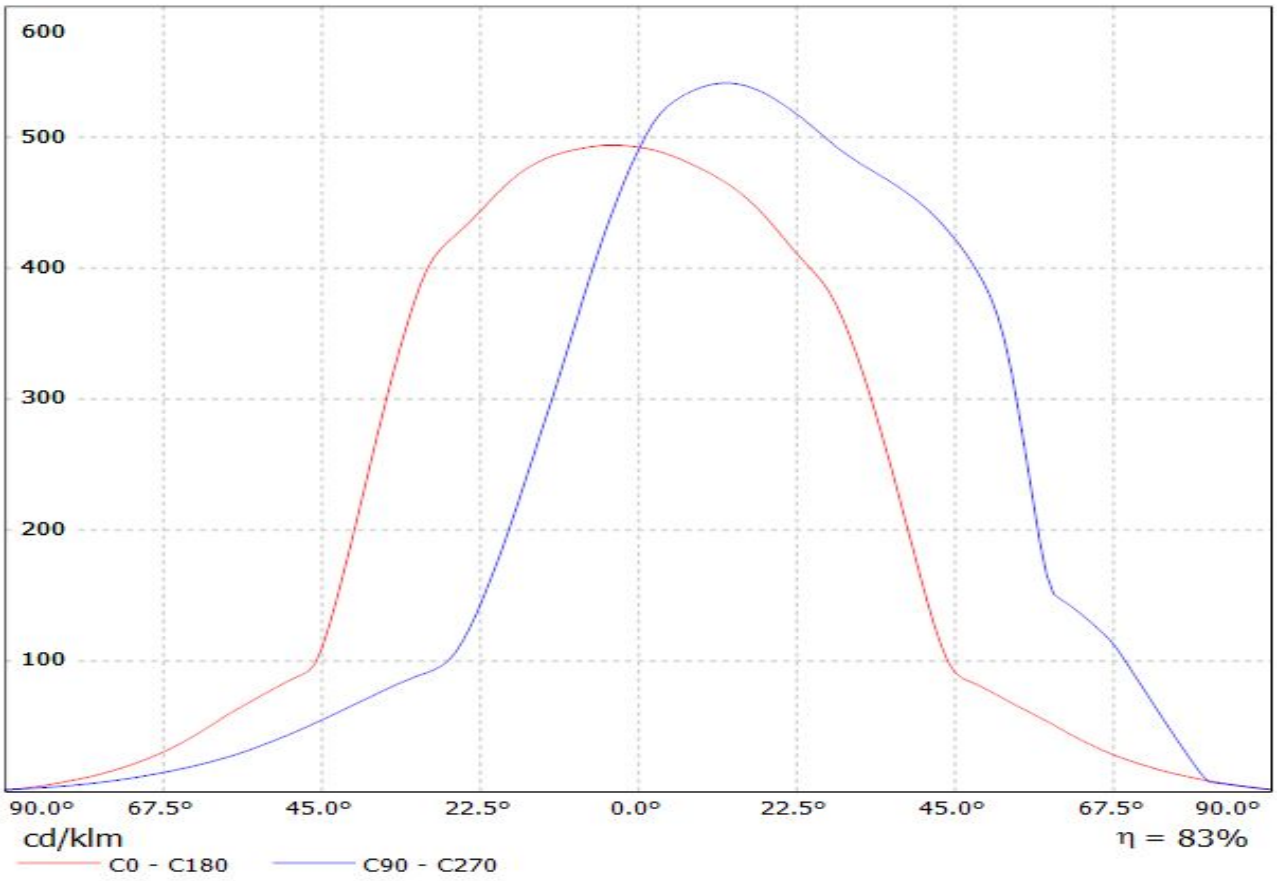


Top view

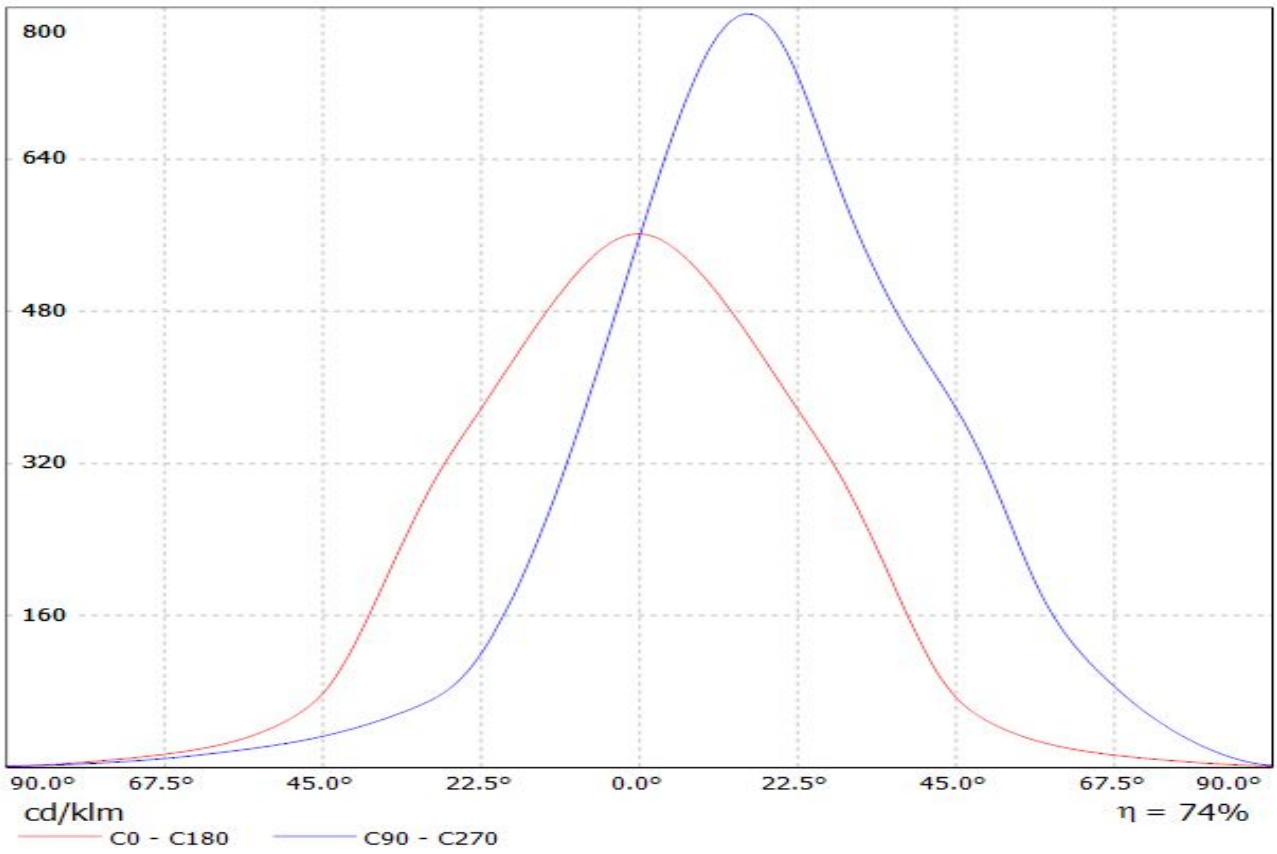
Luminaire: LEDiL Oy CN13340_LENA-WAS_(CXA25) Eff.79.0%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



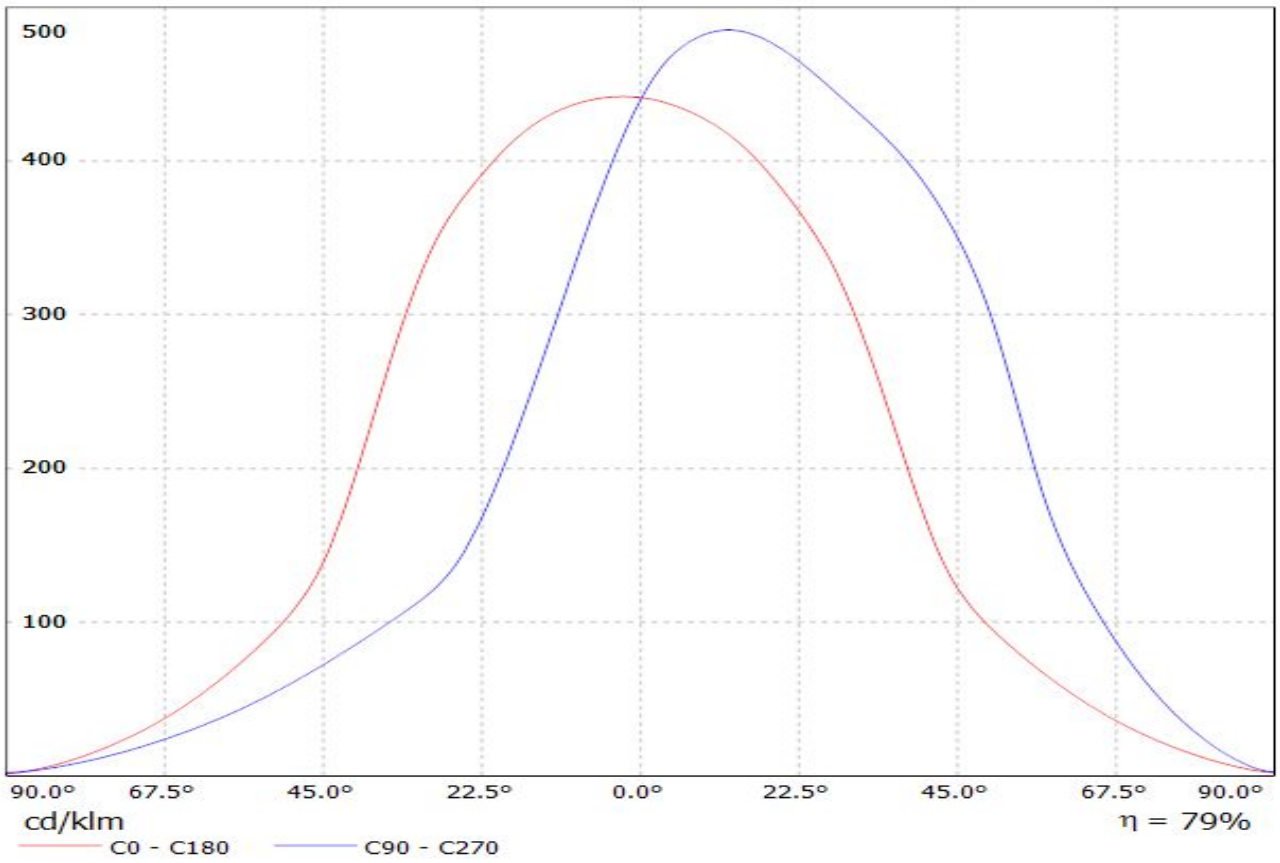
Luminaire: LEDiL Oy CN13341_LENA-X-WAS_(CXA25) Eff.83.1%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



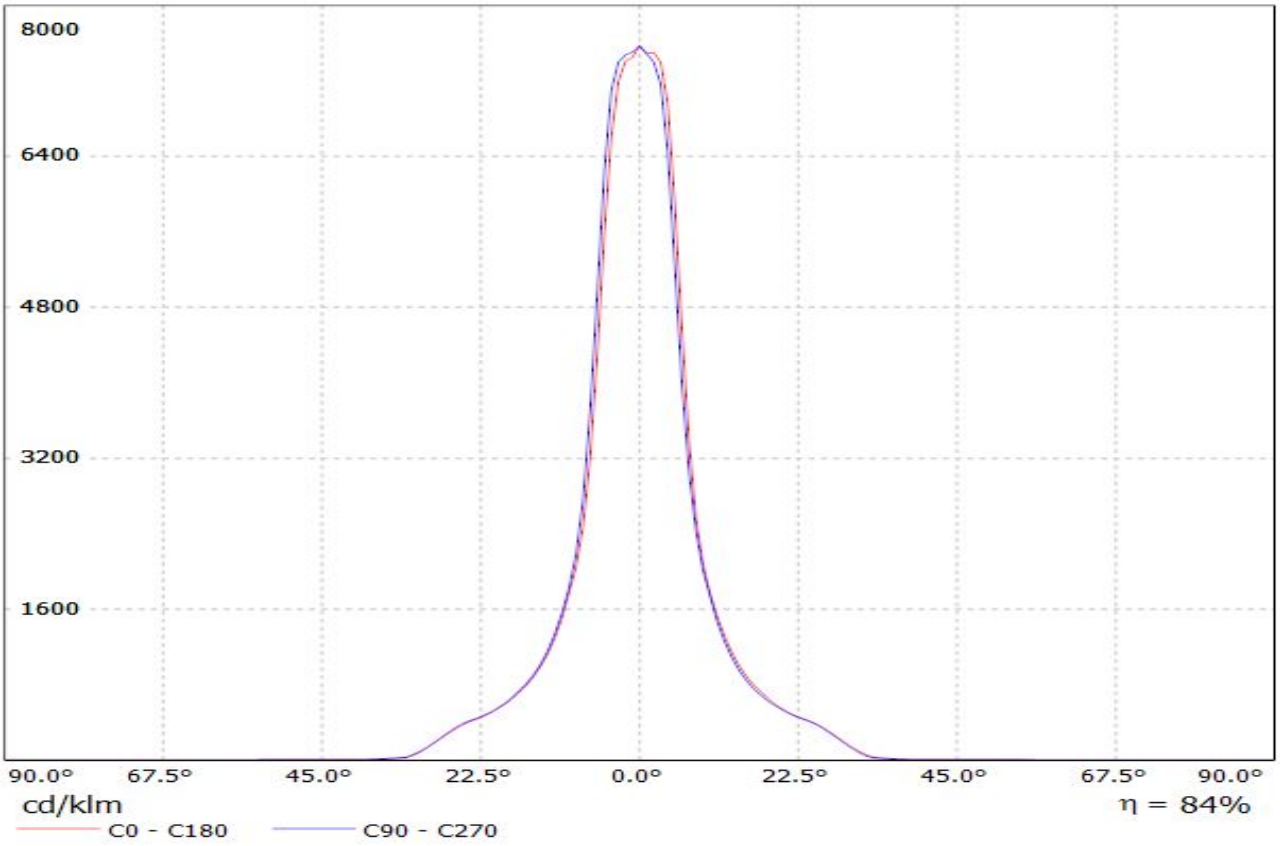
Luminaire: LEDiL Oy CN13342_LENA-WAS-DL_(CXA25) Eff.73.8%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



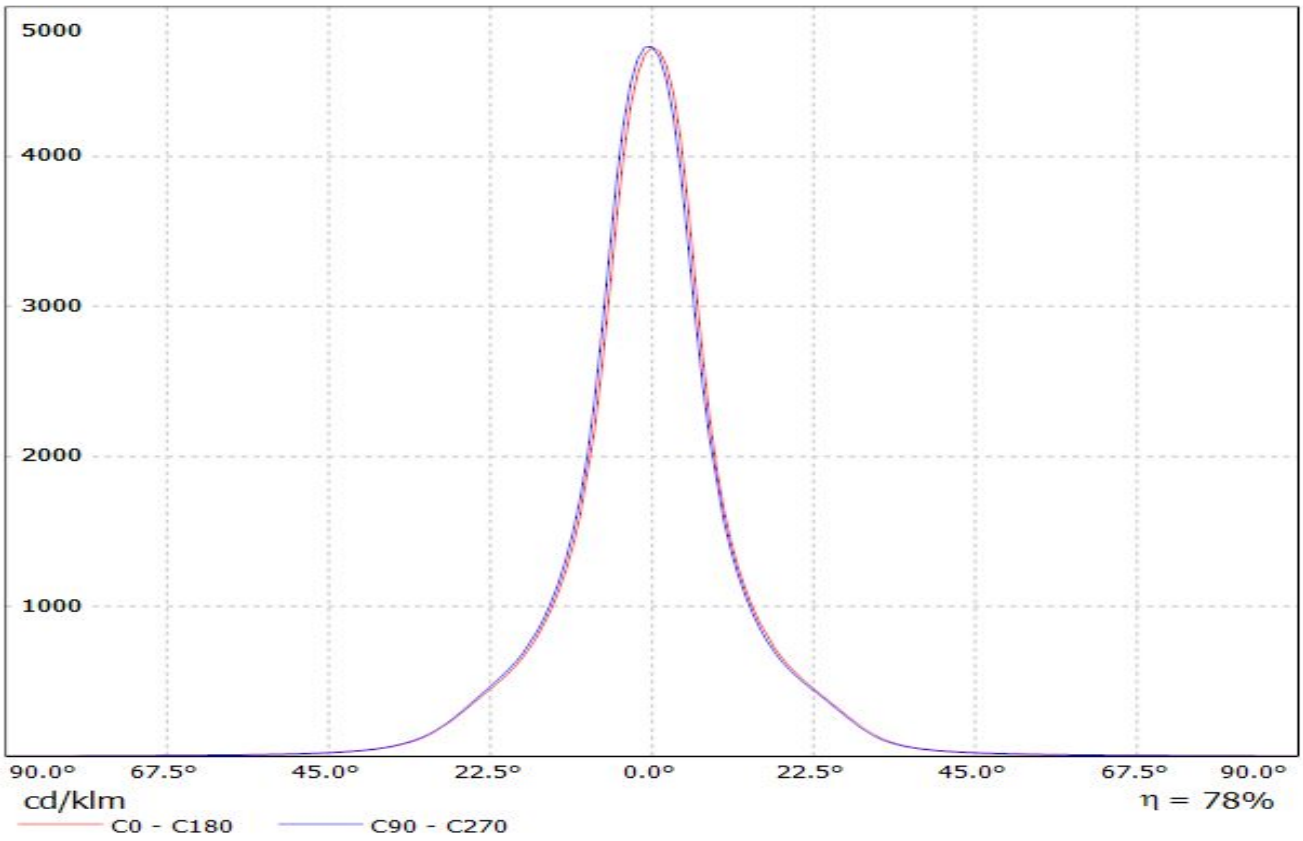
Luminaire: LEDiL Oy CN13343_LENA-X-WAS-DL_(CXA25) Eff.78.5%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



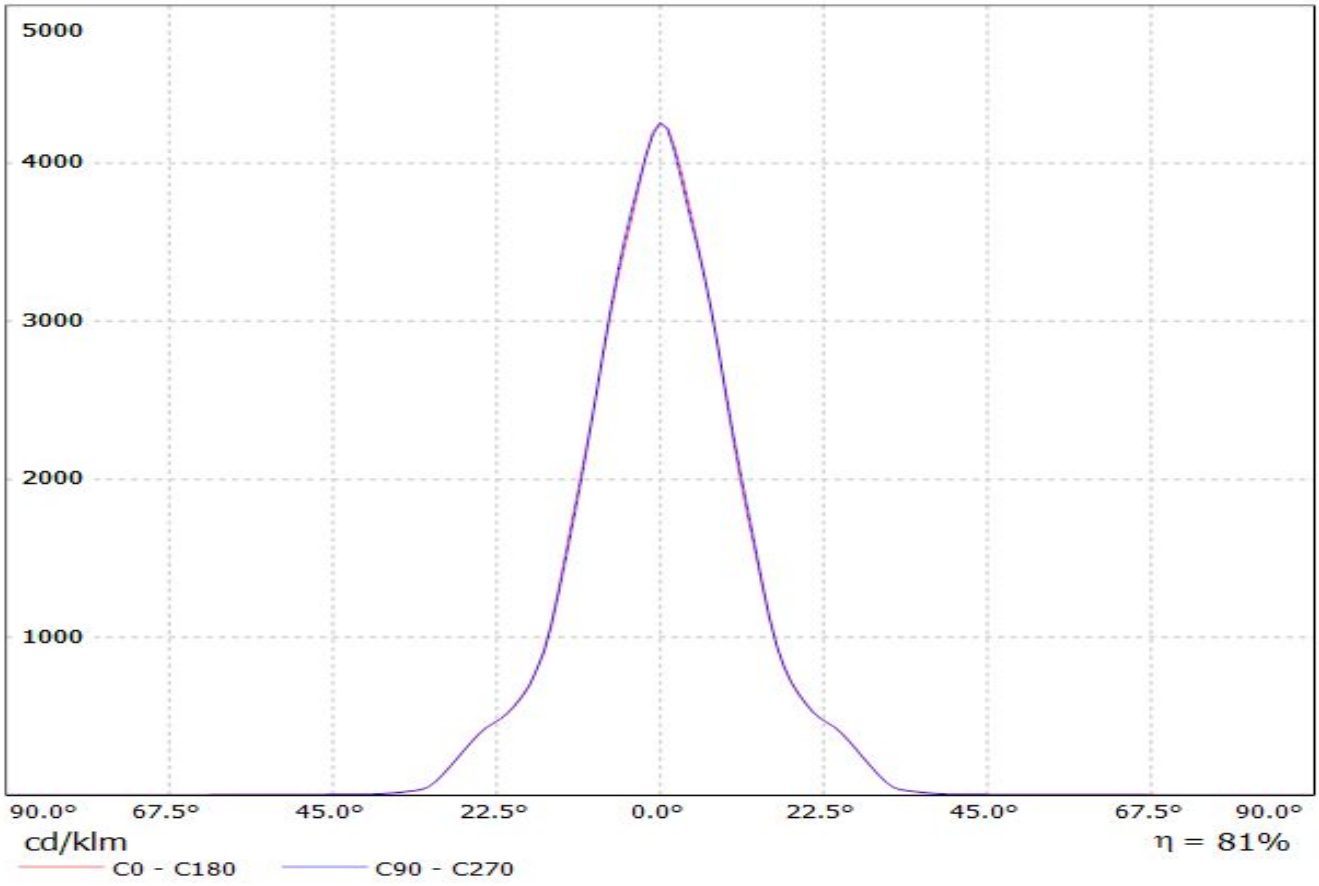
Luminaire: LEDiL Oy CN13334_LENA-S_(CXA25) Eff.84%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 860.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



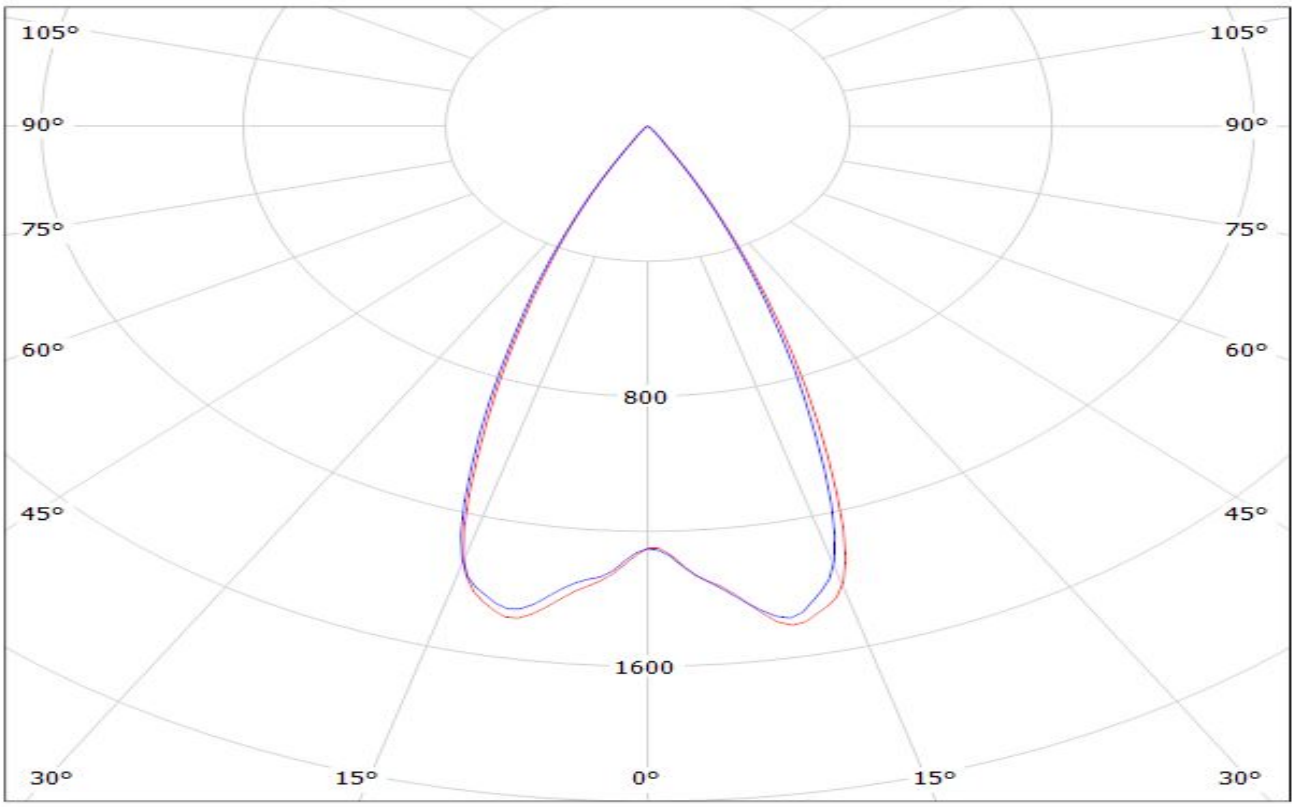
Luminaire: LEDiL Oy CN13337_LENA-S-DL_(CXA25) Eff.79%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 860.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



Luminaire: LEDiL Oy CN13335_LENA-M_(CXA25) Eff.82%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 852.7lm@250mA CCT=3000K P=8.57407W I=249.9mA



Luminaire: LEDiL Oy CN13336_LENA-W_(CXA25)
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 880.7lm@250mA CCT=3000K P=8.57407W I=249.9mA

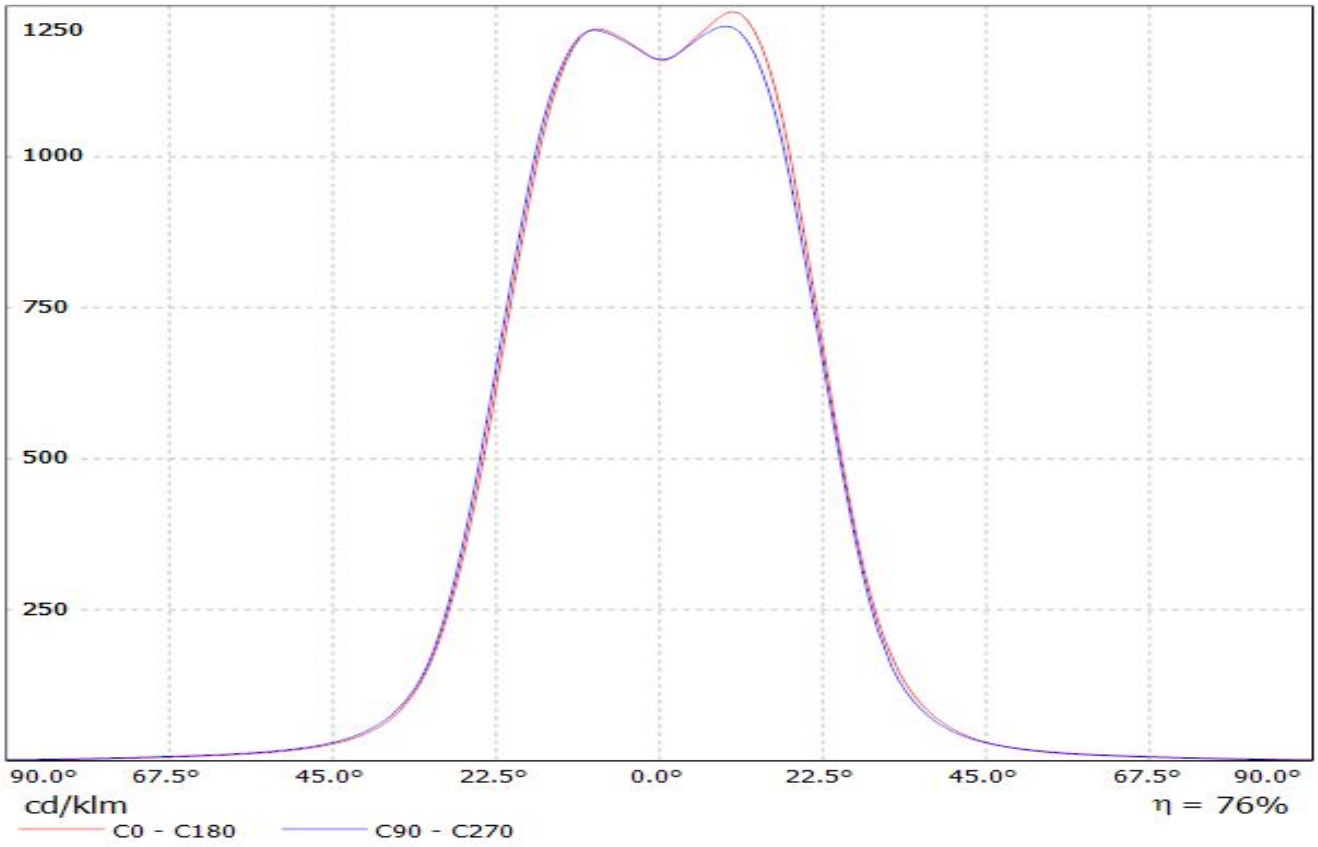


cd/klm

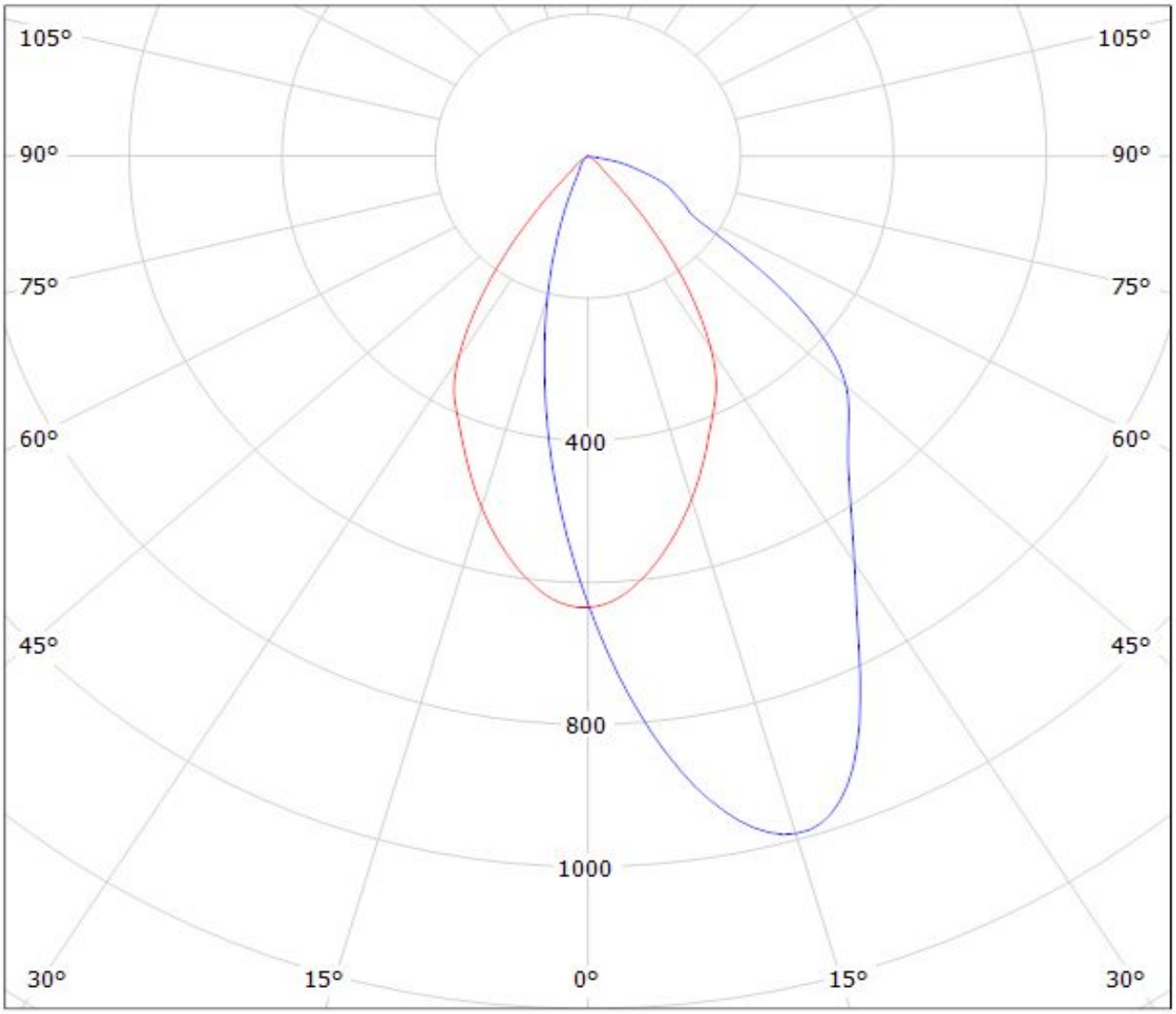
η = 79%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN13339_LENA-W-DL_(CXA25) Eff.76%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 852.7lm@250mA CCT=3000K P=8.57407W I=249.9mA



Luminaire: LEDiL Oy CN13340_LENA-WAS_(CXA25) Eff.79.0%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA

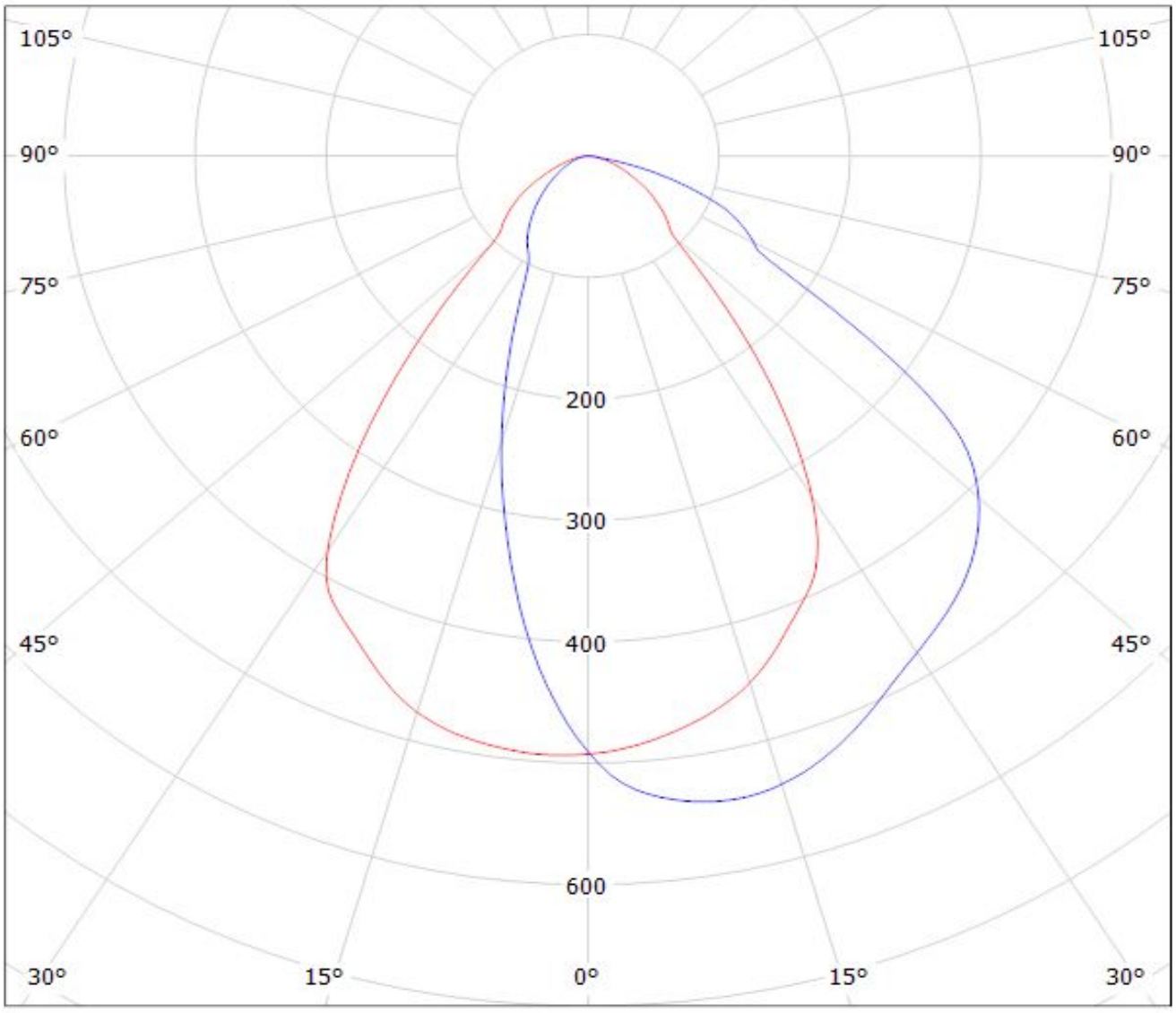


cd/klm

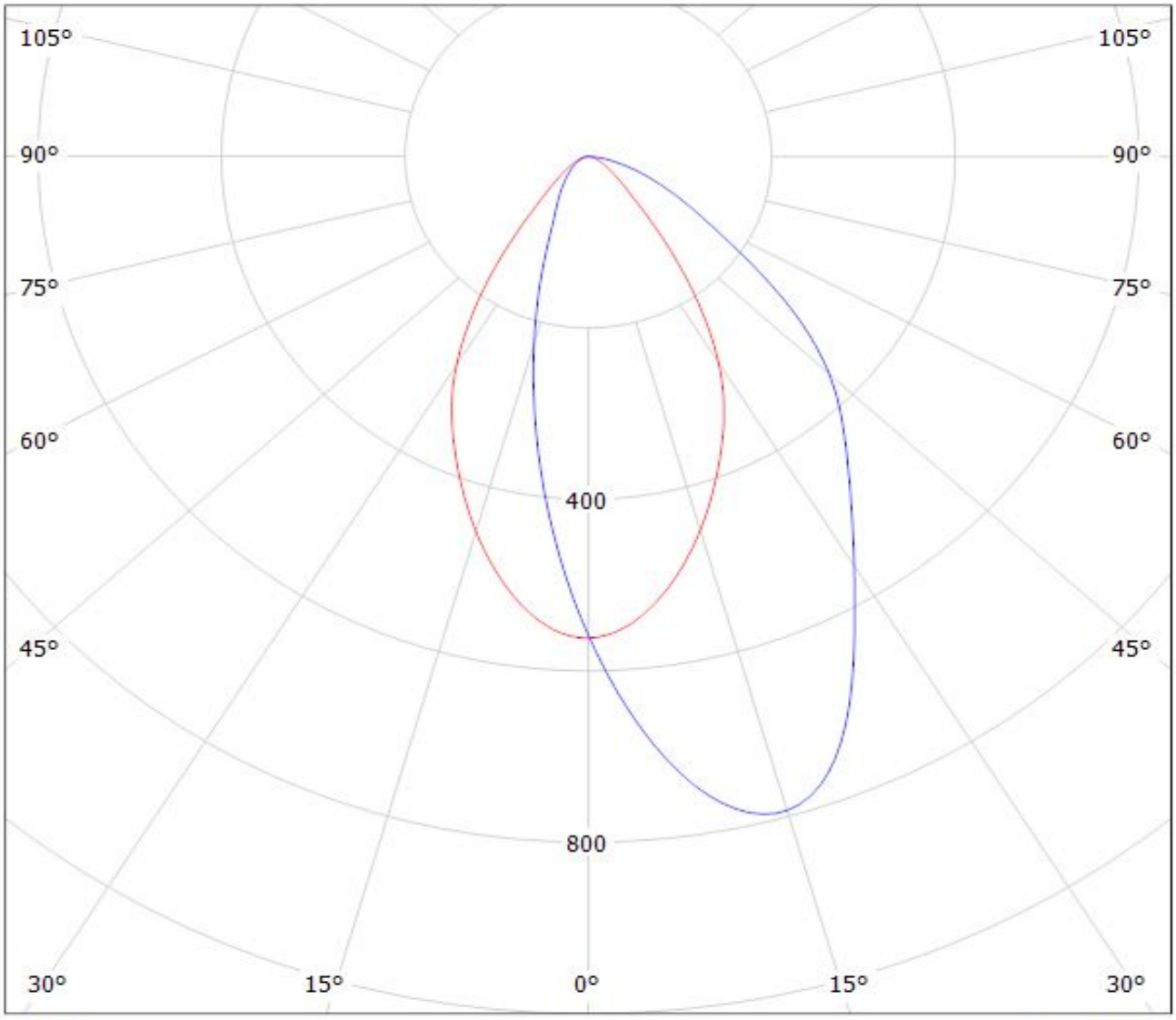
η = 79%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN13341_LENA-X-WAS_(CXA25) Eff.83.1%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA



Luminaire: LEDiL Oy CN13342_LENA-WAS-DL_(CXA25) Eff.73.8%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA

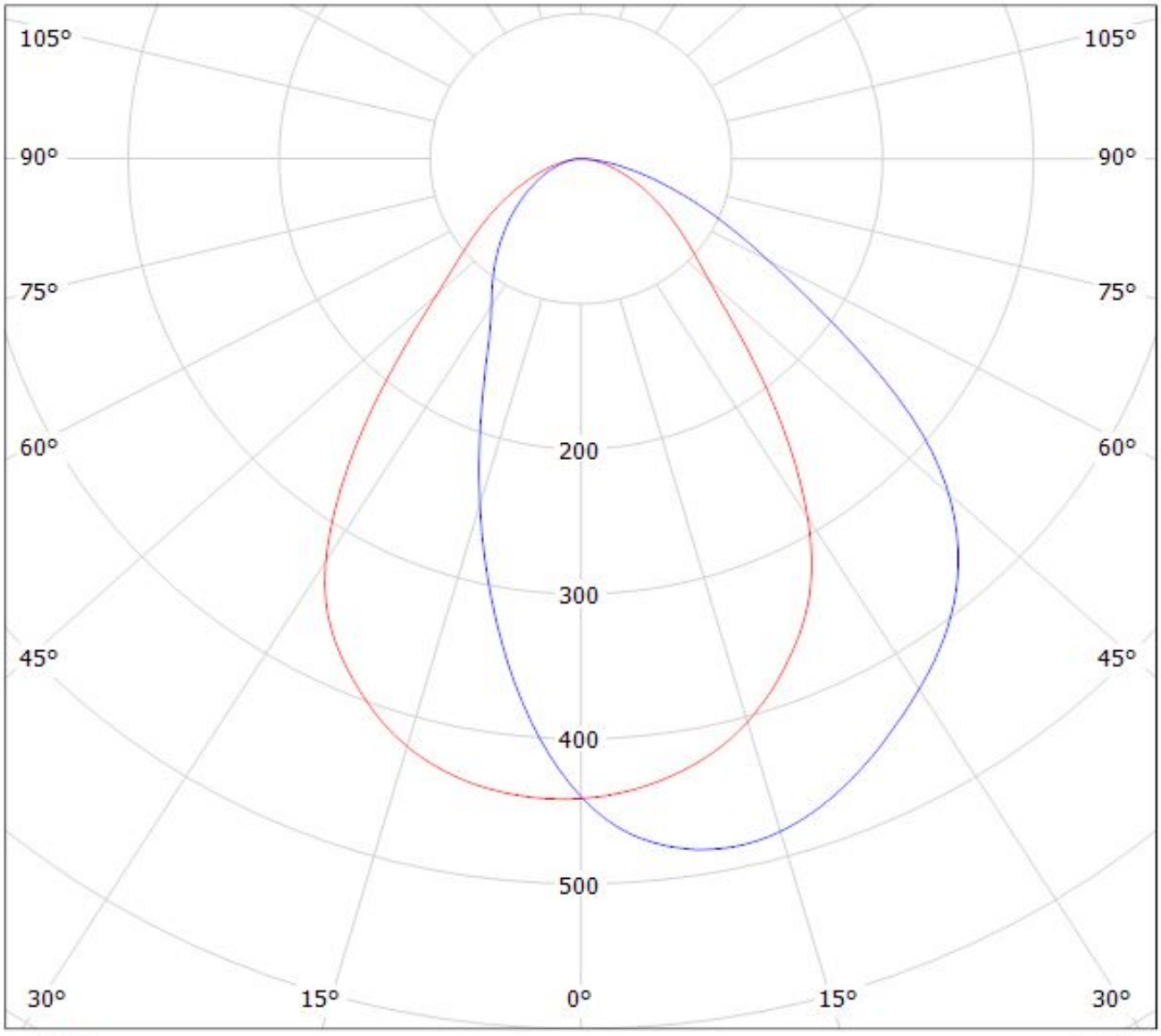


cd/klm

η = 74%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN13343_LENA-X-WAS-DL_(CXA25) Eff.78.5%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 888.265lm@250mA CCT=3000K P=8.58457W I=249.9mA

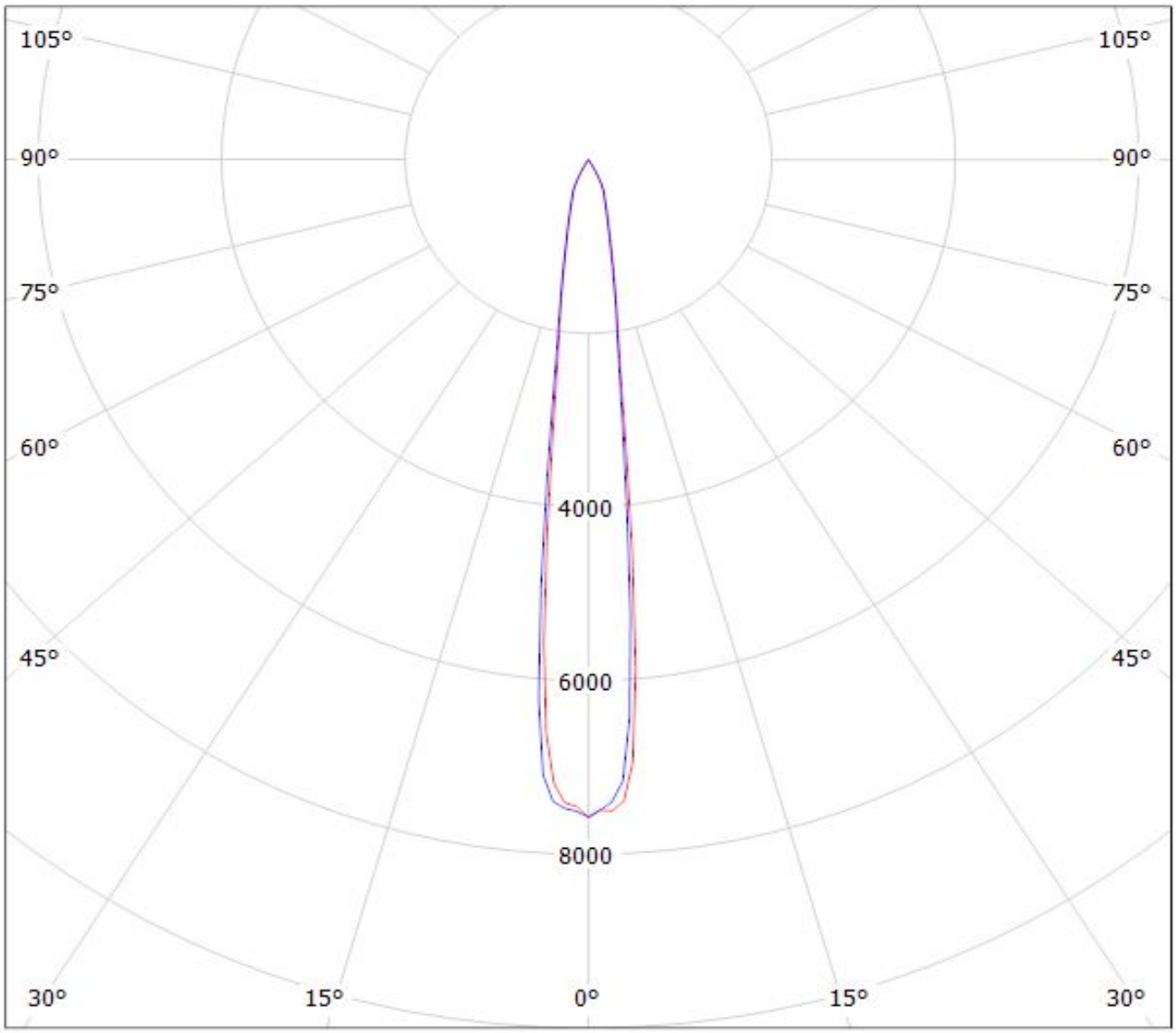


cd/klm

η = 79%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN13334_LENA-S_(CXA25) Eff.84%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 860.265lm@250mA CCT=3000K P=8.58457W I=249.9mA

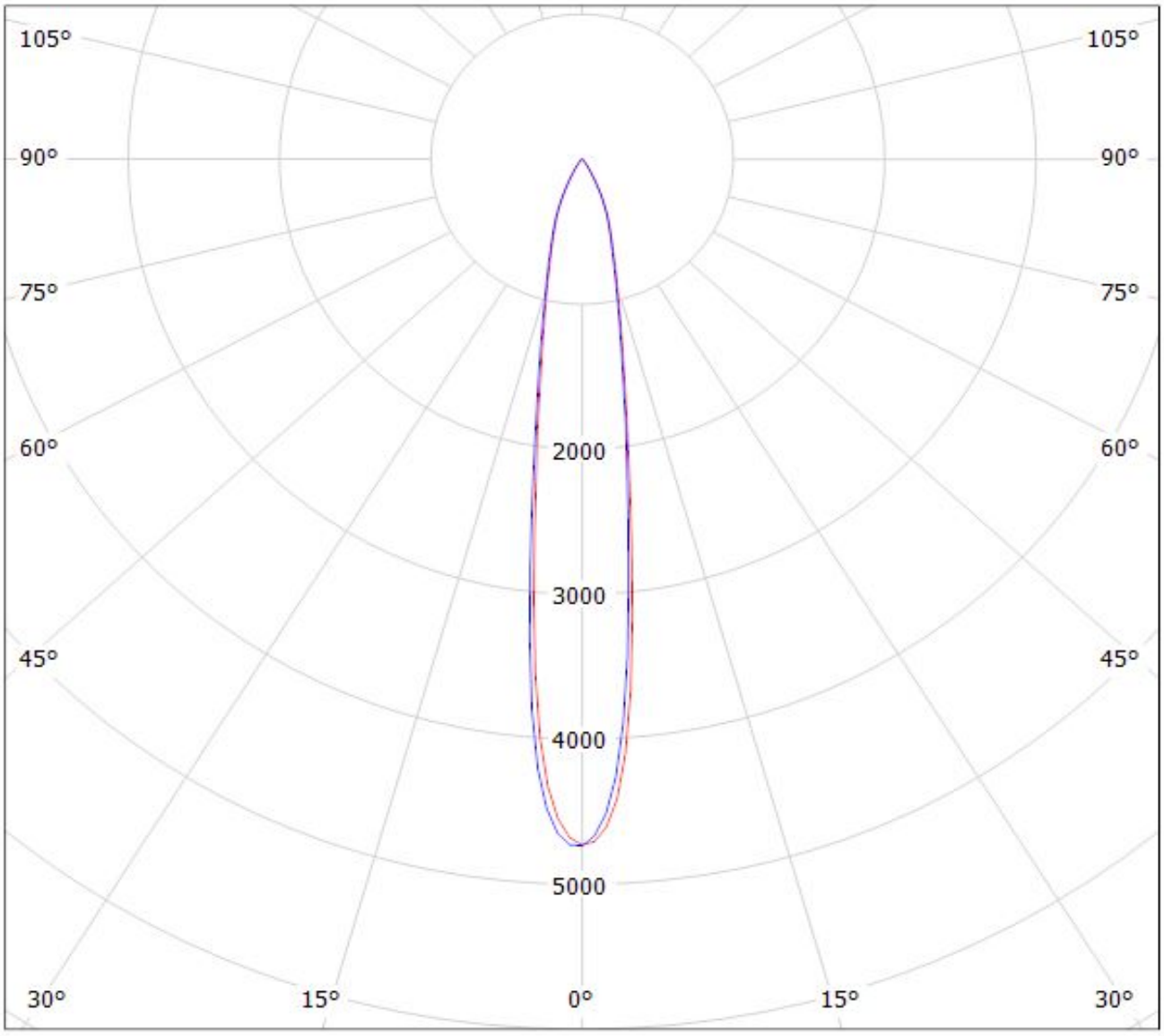


cd/klm

η = 84%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN13337_LENA-S-DL_(CXA25) Eff.79%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 860.265lm@250mA CCT=3000K P=8.58457W I=249.9mA

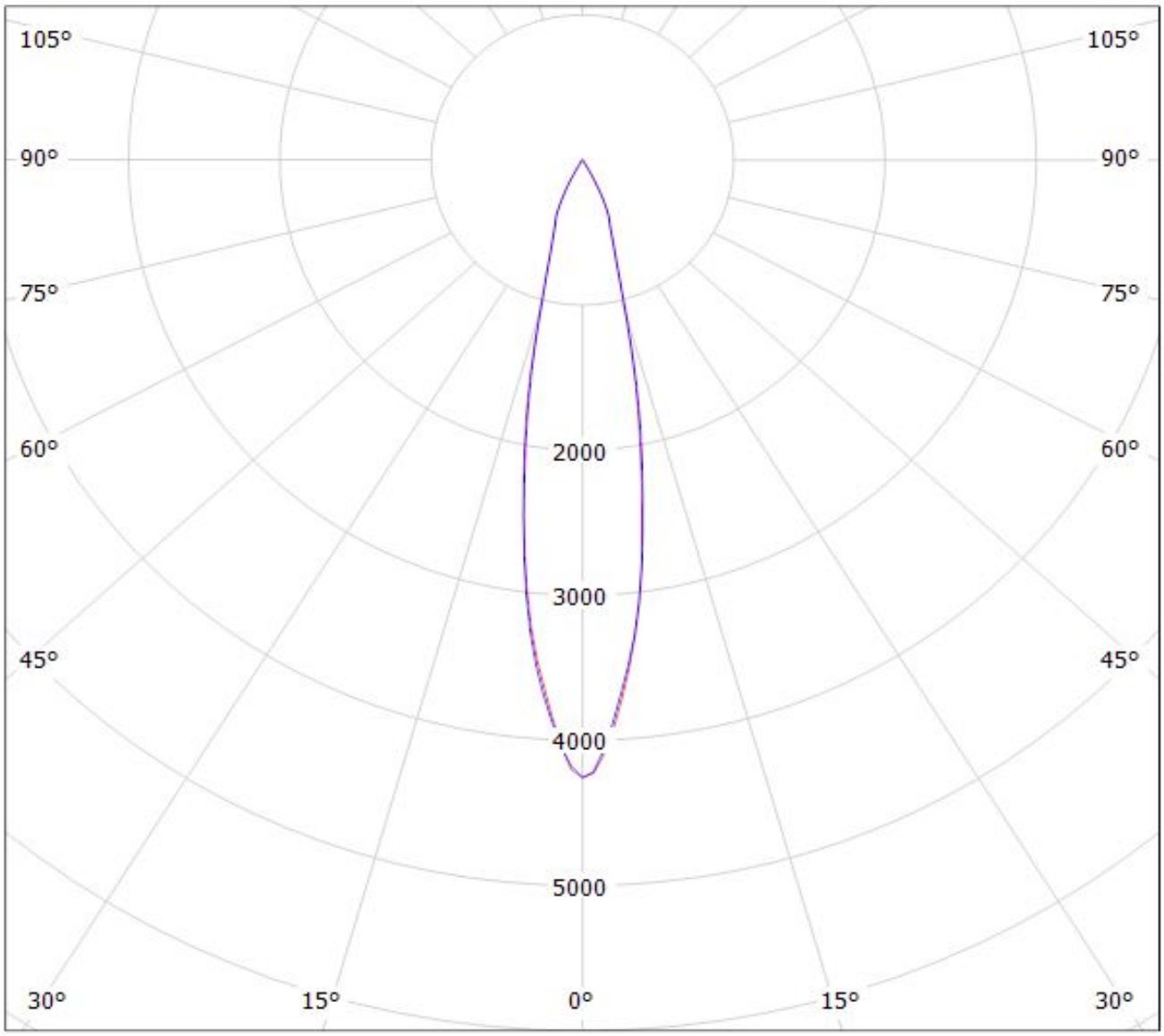


cd/klm

η = 78%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN13335_LENA-M_(CXA25) Eff.82%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 852.7lm@250mA CCT=3000K P=8.57407W I=249.9mA

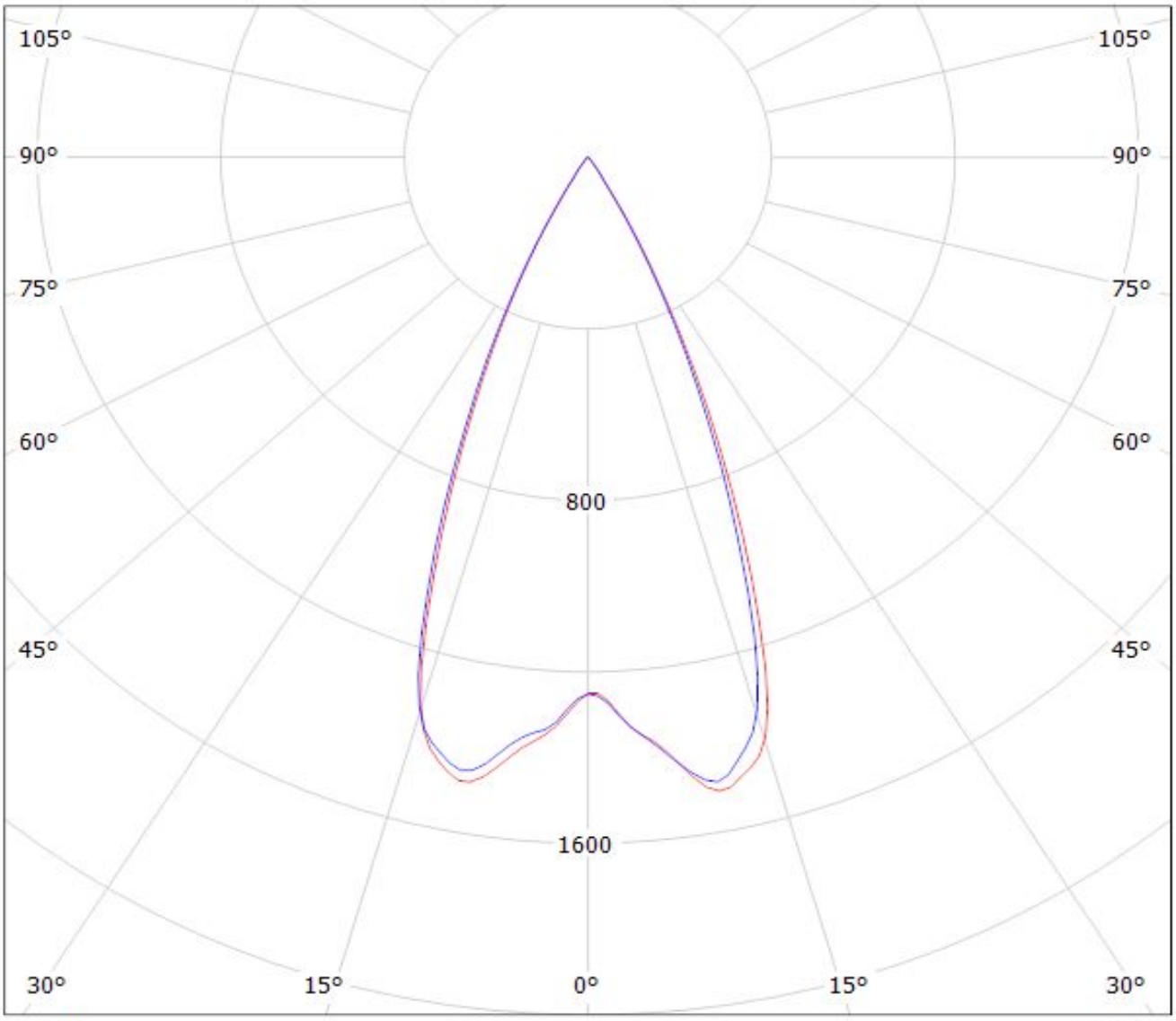


cd/klm

η = 81%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN13336_LENA-W_(CXA25)
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 880.7lm@250mA CCT=3000K P=8.57407W I=249.9mA

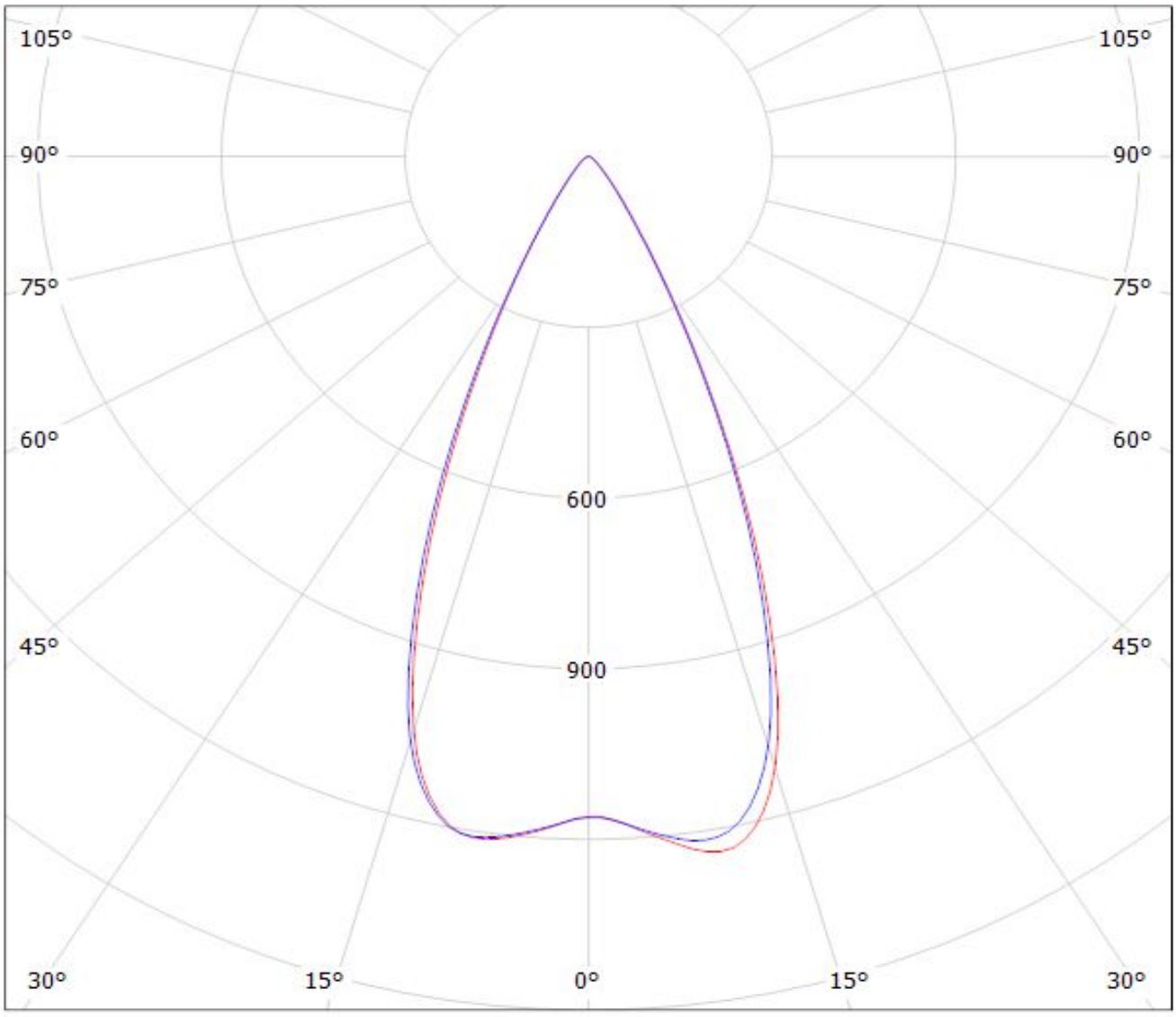


cd/klm

η = 79%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy CN13339_LENA-W-DL_(CXA25) Eff.76%
Lamps: 1 x CREE_CXA25_(2520-7A-N4-N0U) 852.7lm@250mA CCT=3000K P=8.57407W I=249.9mA



cd/klm

η = 76%

C0 - C180 C90 - C270