


Product number F13379_ANGELA-S

Family	ANGELA	FWHM	9 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	18.600
Color	Metal	Gerber File	Available
Diameter	119.5 mm		
Height	74.27 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Socket		
Status	On production		

Product number F13662_ANGELA-S-B

Family	ANGELA	FWHM	9 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	18.300
Color	Metal	Gerber File	Available
Diameter	119.5 mm		
Height	74.5 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

For BJB solderless connector

Product number F13662_ANGELA-S-B

Family	ANGELA	FWHM	10 degrees
Type	Reflector	Efficiency	93 %
LED	CLL03x/CLU034	cd/lm	15.400
Color	Metal	Gerber File	Available
Diameter	119.5 mm		
Height	74.5 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

For BJB solderless connector

Product number F13380_ANGELA-M

Family	ANGELA	FWHM	14 degrees
Type	Reflector	Efficiency	84 %
LED	CLL03x/CLU034	cd/lm	4.100
Color	Metal	Gerber File	Available
Diameter	119.5 mm		
Height	74.5 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		


Product number F13663_ANGELA-M-B

Family	ANGELA	FWHM	16 degrees
Type	Reflector	Efficiency	83 %
LED	CLL03x/CLU034	cd/lm	3.630
Color	Metal	Gerber File	Available
Diameter	119.5 mm	For BJB solderless connector	
Height	74.5 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

Product number F13663_ANGELA-M-B

Family	ANGELA	FWHM	16 degrees
Type	Reflector	Efficiency	83 %
LED	CLL03x/CLU034	cd/lm	3.800
Color	Metal	Gerber File	Available
Diameter	119.5 mm	For BJB solderless connector	
Height	74.5 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

Product number F13381_ANGELA-W

Family	ANGELA	FWHM	30 degrees
Type	Reflector	Efficiency	83 %
LED	CLL03x/CLU034	cd/lm	1.800
Color	Metal	Gerber File	Available
Diameter	119.5 mm		
Height	74.5 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		

Product number F13664_ANGELA-W-B

Family	ANGELA	FWHM	33 degrees
Type	Reflector	Efficiency	83 %
LED	CLL03x/CLU034	cd/lm	1.680
Color	Metal	Gerber File	Available
Diameter	119.5 mm	For BJB solderless connector	
Height	74.5 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		


Product number F13664_ANGELA-W-B

Family	ANGELA	FWHM	34 degrees
Type	Reflector	Efficiency	83 %
LED	CLL03x/CLU034	cd/lm	1.630
Color	Metal	Gerber File	Available
Diameter	119.5 mm	For BJB solderless connector	
Height	74.5 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		


Product number F13840_ANGELA-XW

Family	ANGELA	FWHM	70 degrees
Type	Reflector	Efficiency	93 %
LED	CLL03x/CLU034	cd/lm	0.700
Color	White	Gerber File	Available
Diameter	119.5 mm		
Height	74.5 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		


Product number F13841_ANGELA-XW-B

Family	ANGELA	FWHM	72 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	0.660
Color	White	Gerber File	Available
Diameter	119.5 mm	For BJB solderless connector	
Height	74.5 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		


Product number F13841_ANGELA-XW-B

Family	ANGELA	FWHM	72 degrees
Type	Reflector	Efficiency	94 %
LED	CLL03x/CLU034	cd/lm	0.640
Color	White	Gerber File	Available
Diameter	119.5 mm	For BJB solderless connector	
Height	74.5 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	On production		



PRODUCT DATASHEET
ANGELA series
last update 7/11/2014



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 ANGELA series

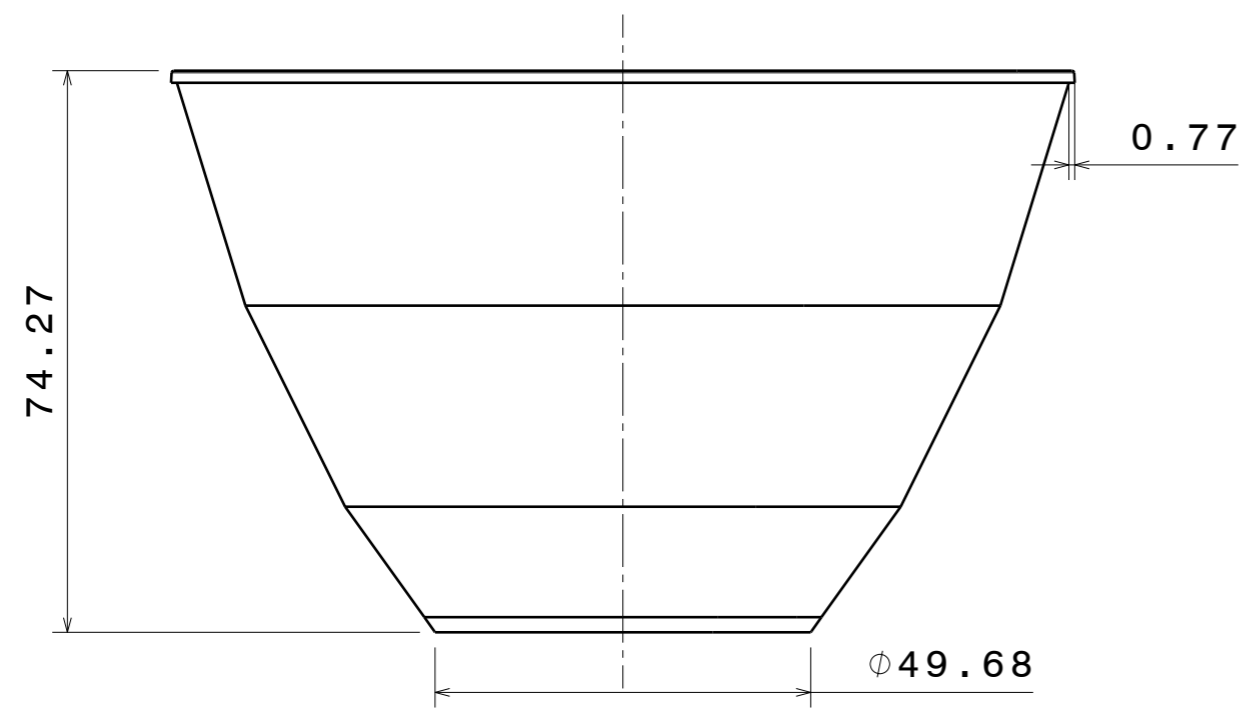
last update 7/11/2014



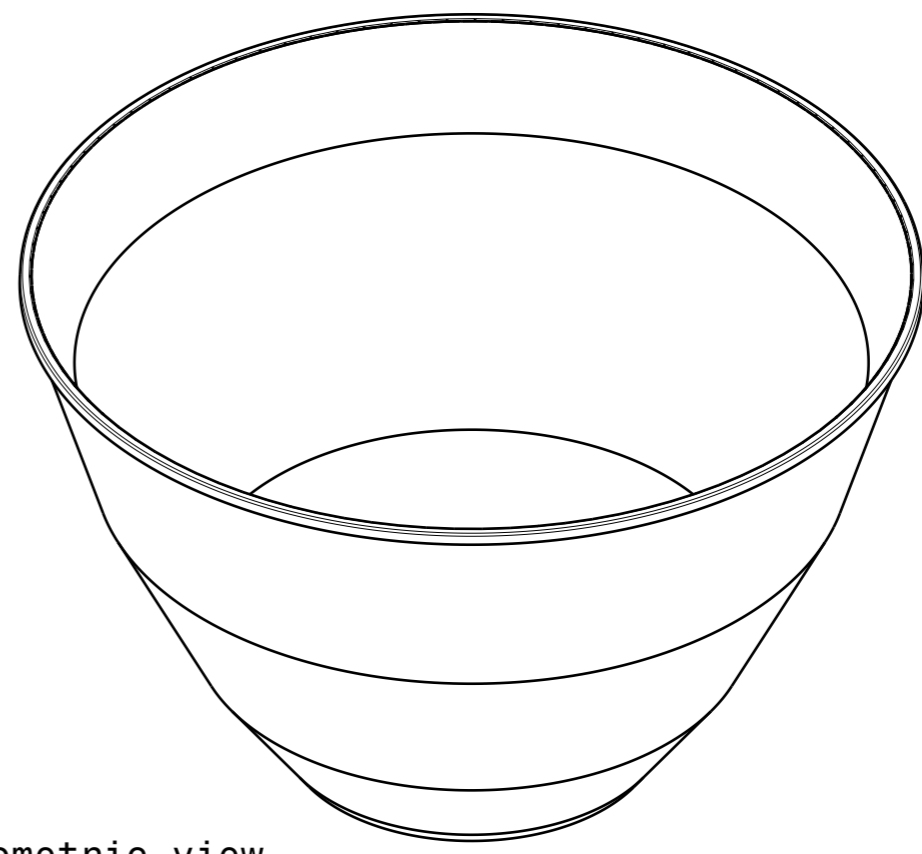
GENERAL INFORMATION

- Product series especially designed & optimized for CLL03x/CLU034 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).

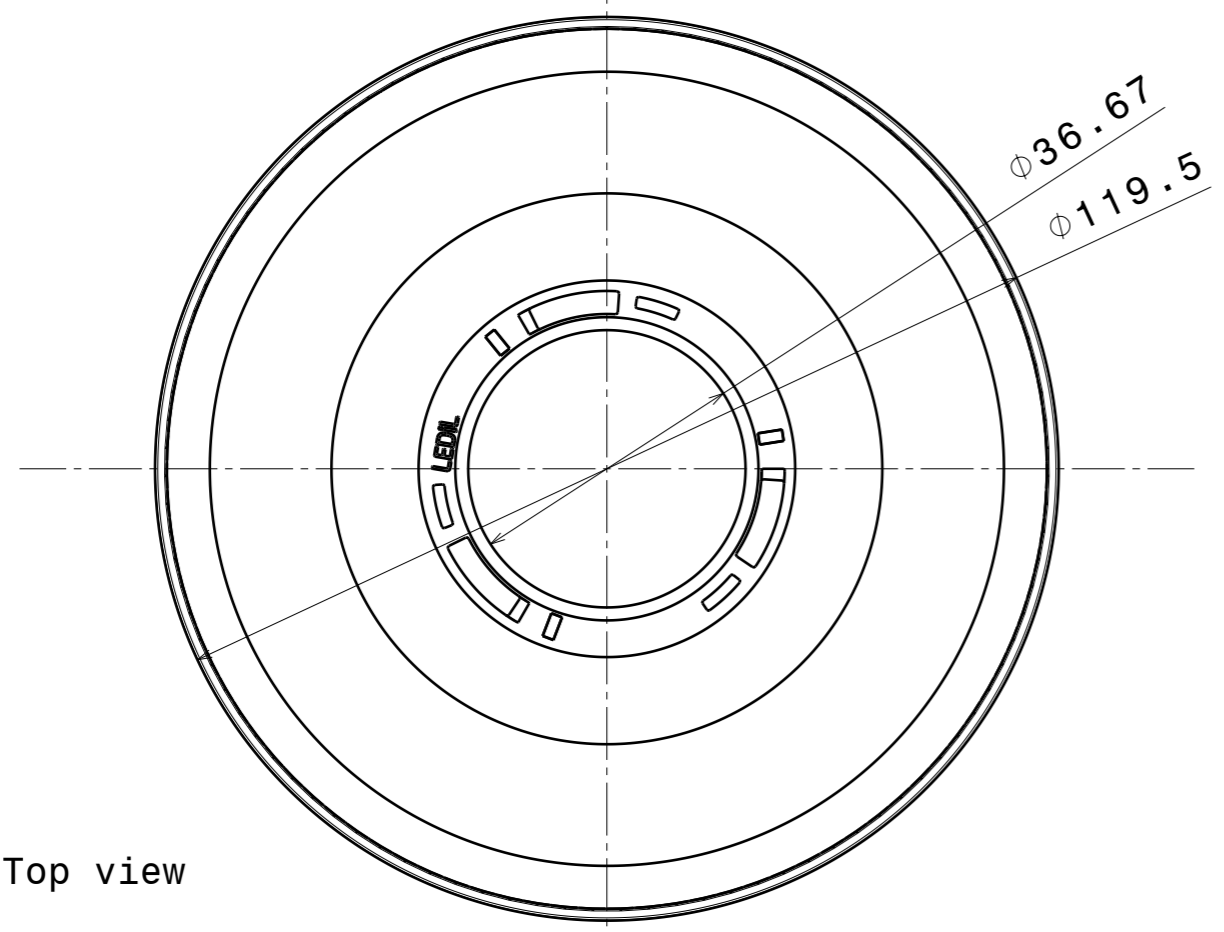
H G F E D C B A



Front view



Isometric view



Top view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F13379	Angela-S	PC	metal

Tolerances if not otherwise shown
 According to DIN ISO 2768-1
 Linear measures: 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
F13379_Angela-S

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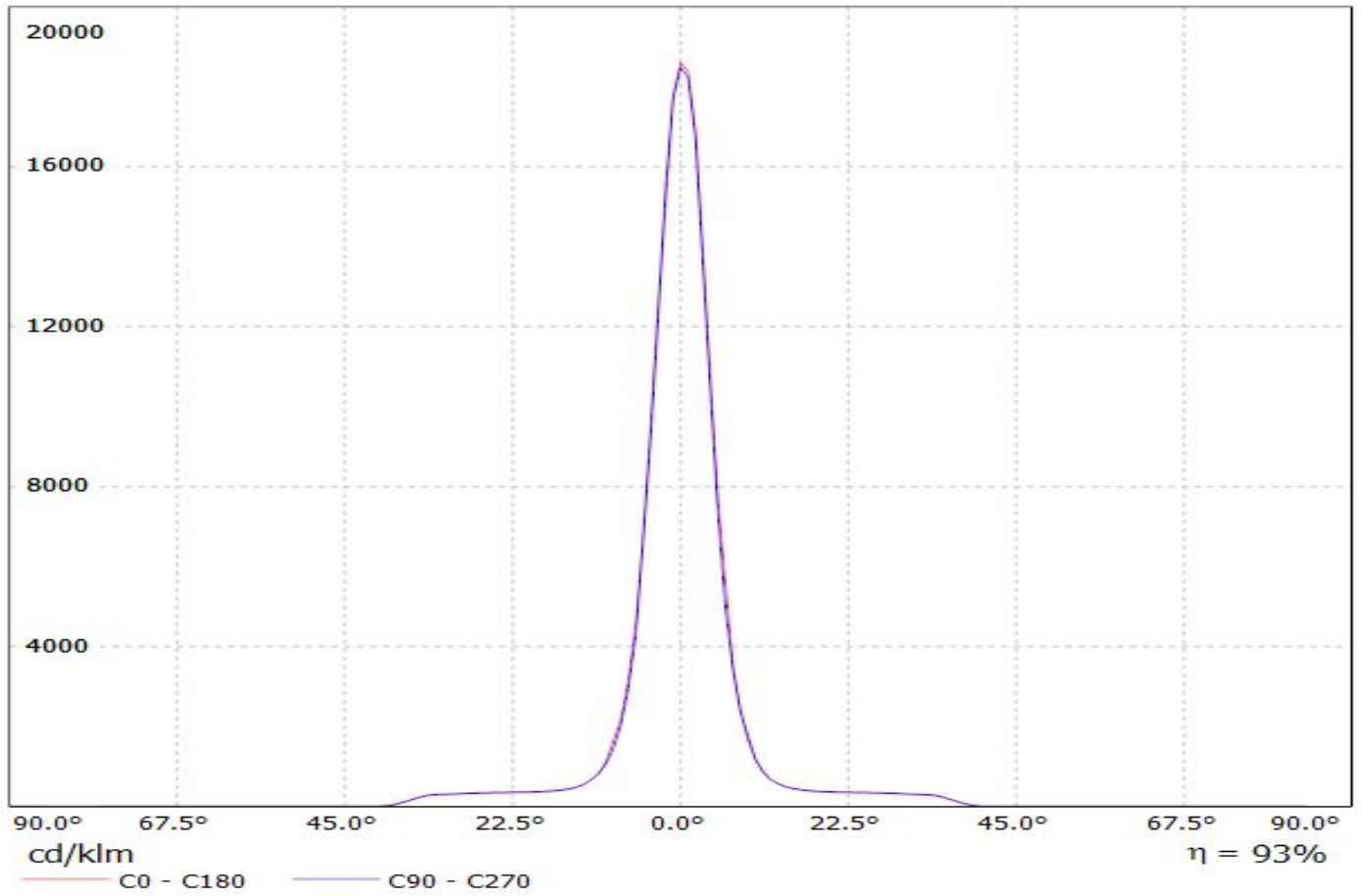
SIZE	PART NUMBER
A3	F13379

SCALE	1:1	WEIGHT	78,76 g	SHEET	1/1
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H G F E D C B A

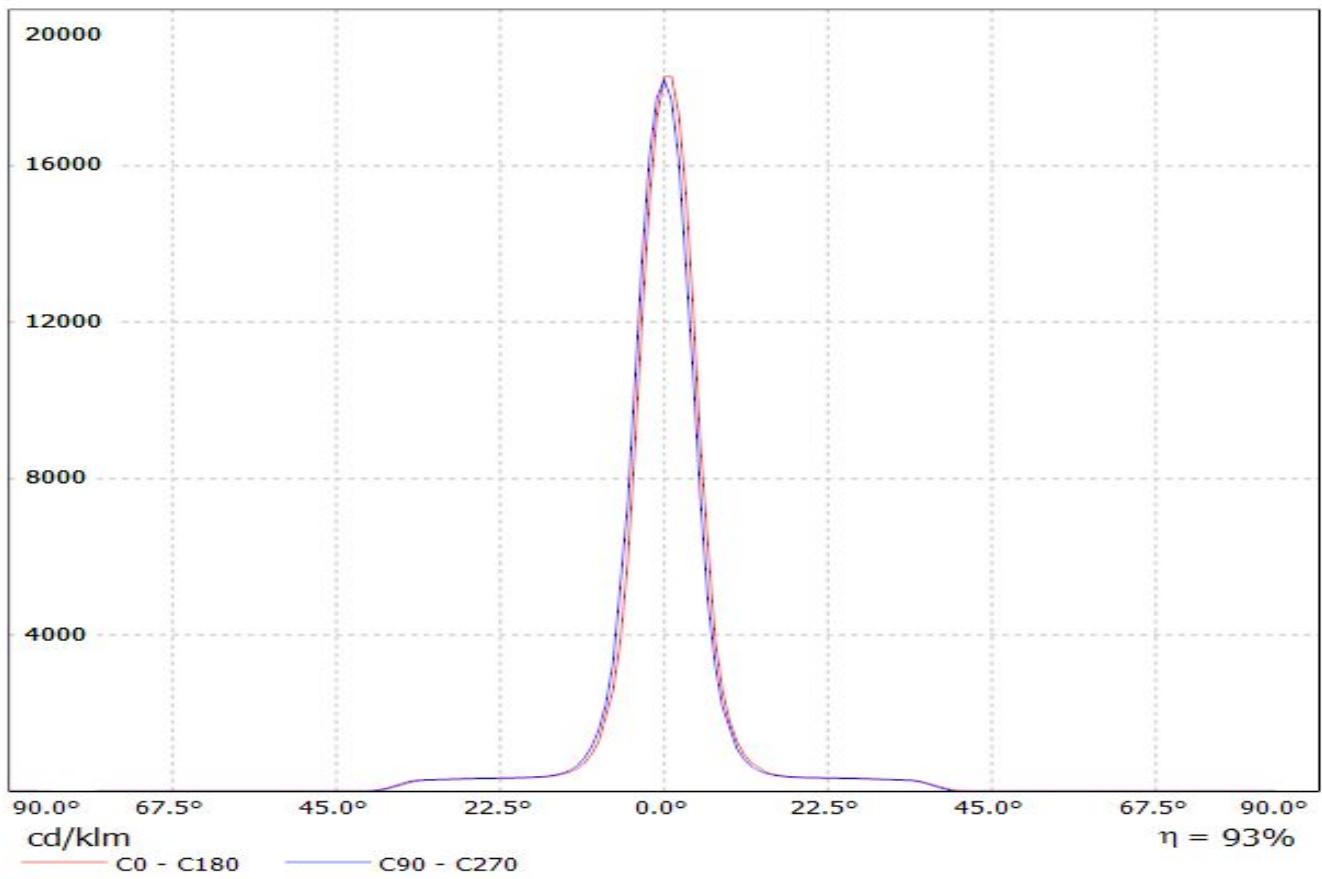
Luminaire: LEDiL Oy F13379_ANGELA-S_(CLL030) Eff.93.7%

Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1-303M1A2)_982.337lm@250mA_P=8.39814W_I=249.9mA



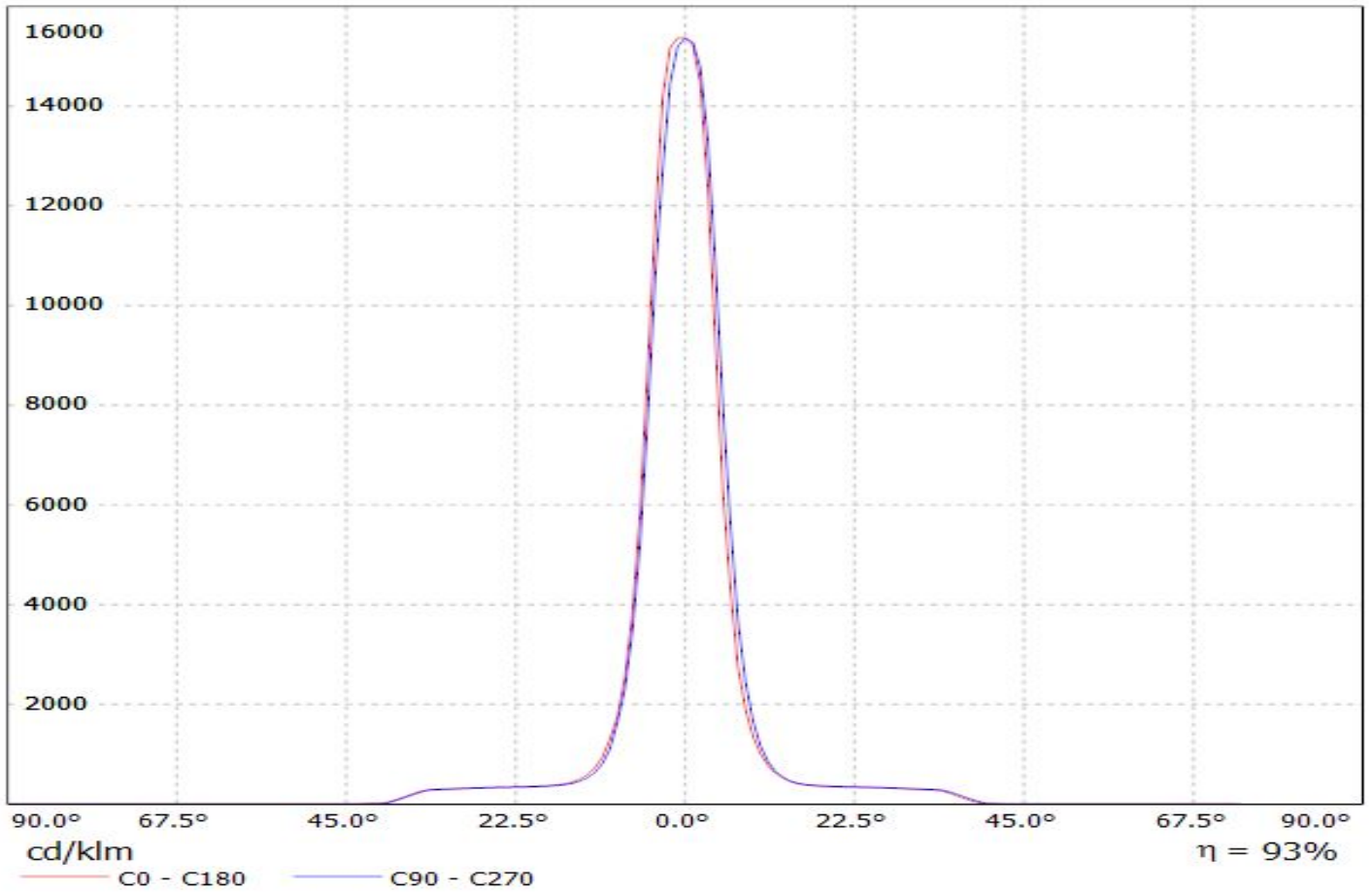
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CLL030)

Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1-303M1A2)_1046.22lm@250mA_P=8.46761W_I=249.9mA



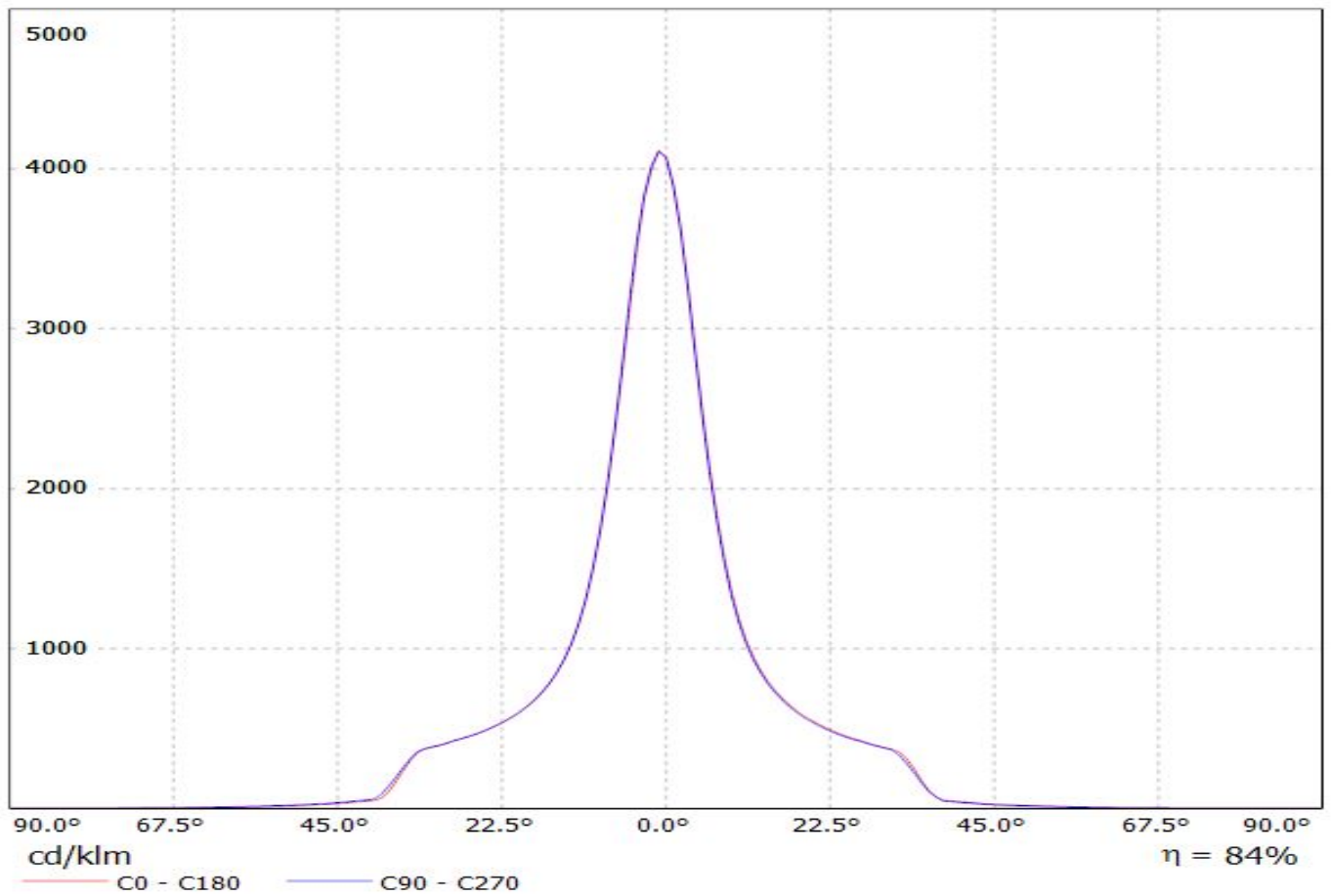
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CLU034)

Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



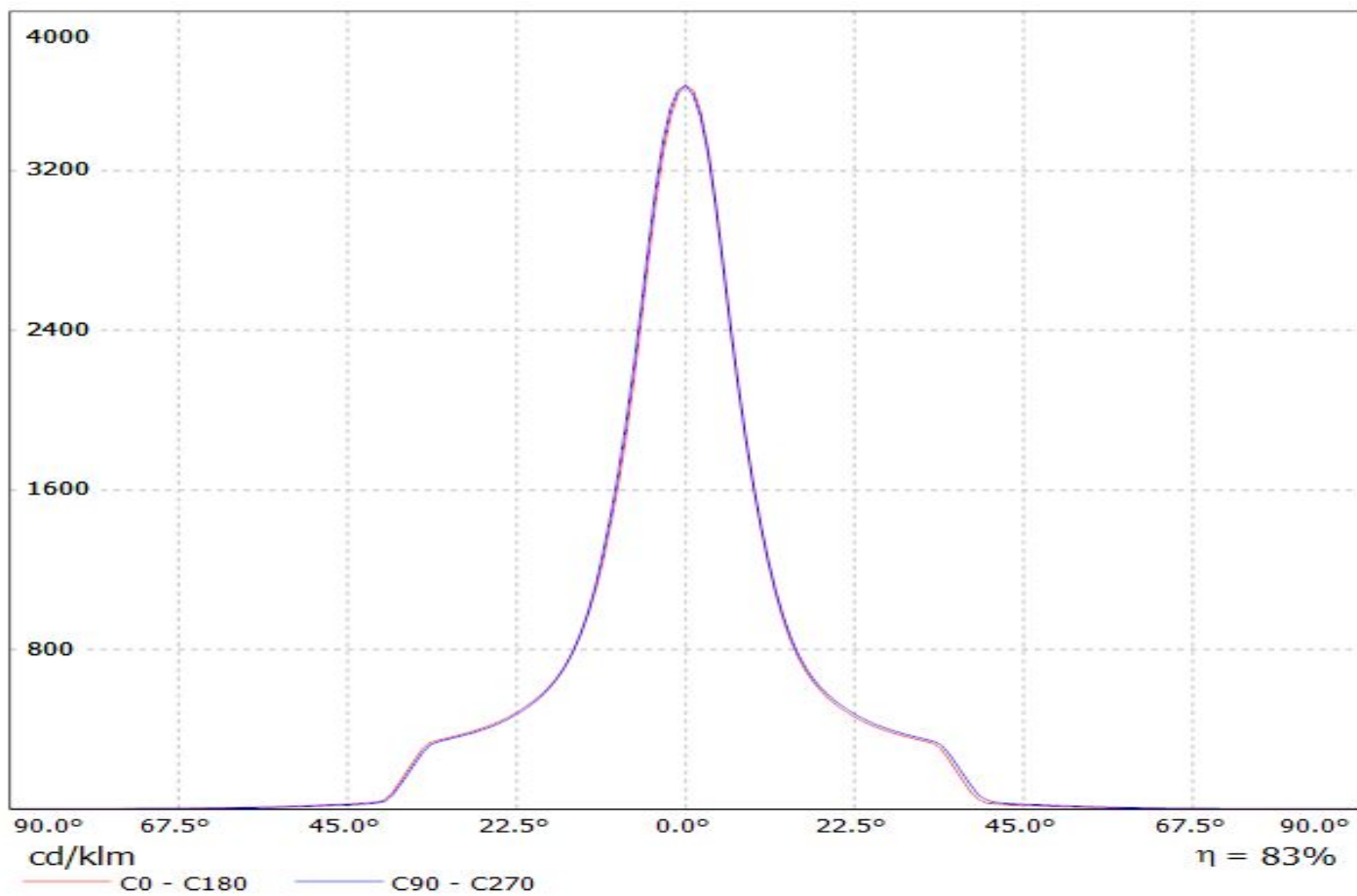
Luminaire: LEDiL Oy F13380_ANGELA-M_(CLL030)

Lamps: 1 x Citizen_CLL030_(CLL030-1206A1-303M1A2)_971.531lm@250mA_P=8.42026W_I=249.8mA

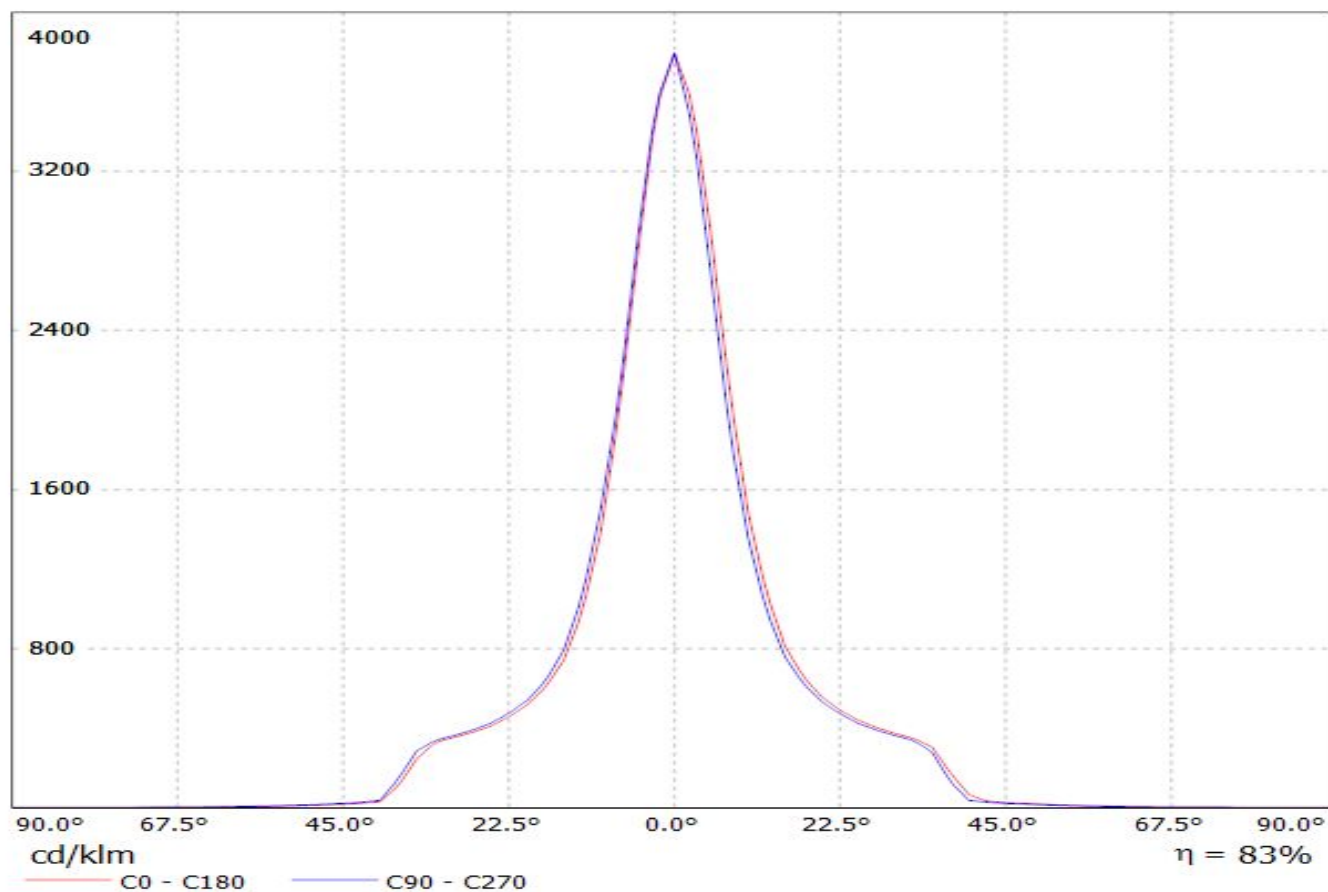


Luminaire: LEDiL Oy F13663_ANGELA-M-B_(CLU034)

Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA

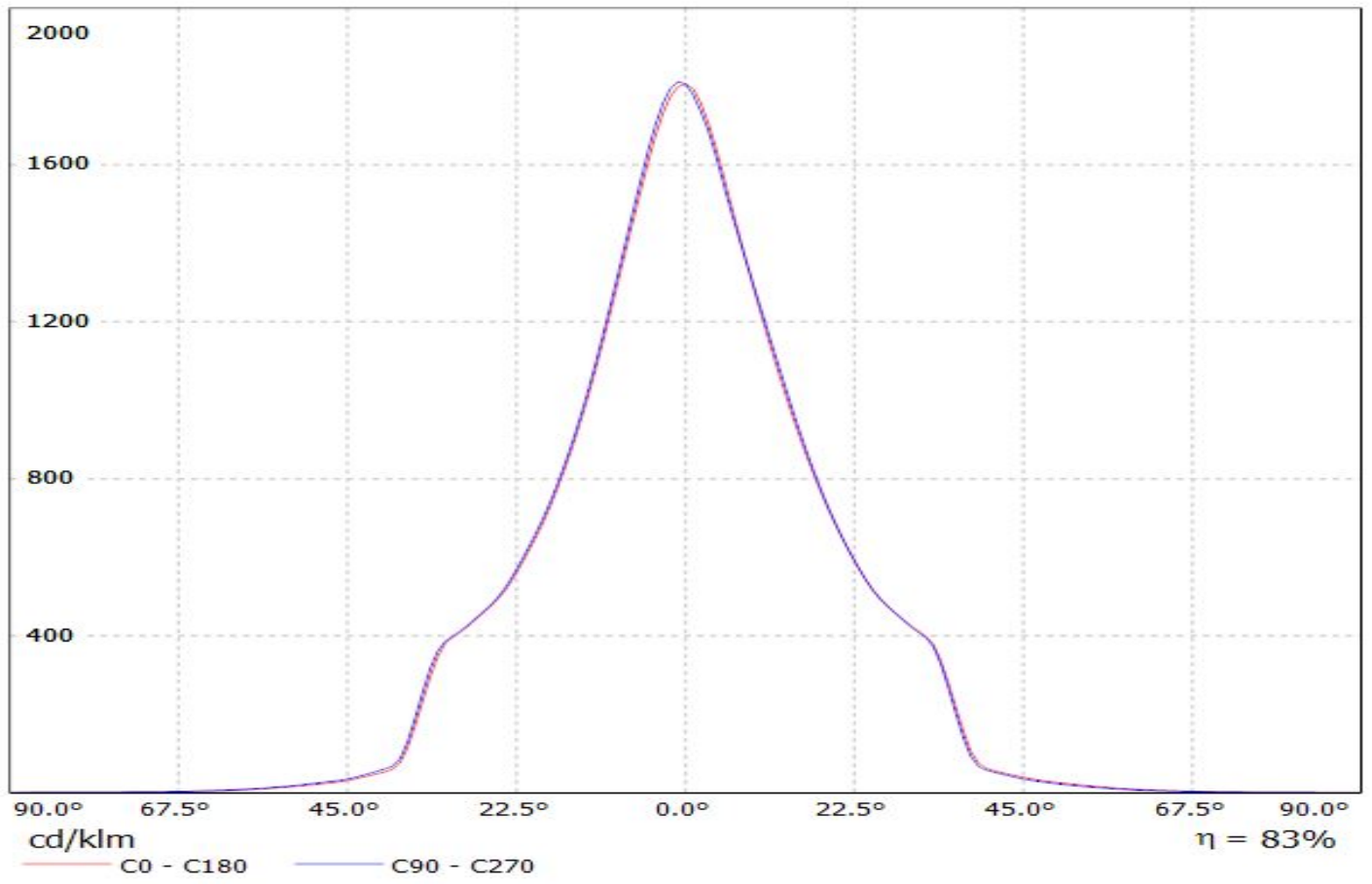


Luminaire: LEDiL Oy F13663_ANGELA-M-B_(CLL030) Eff.82.7%
Lamps: 1 x Citizen_CLL030_1040.57lm@250mA_P=8.45923W_I=249.8mA

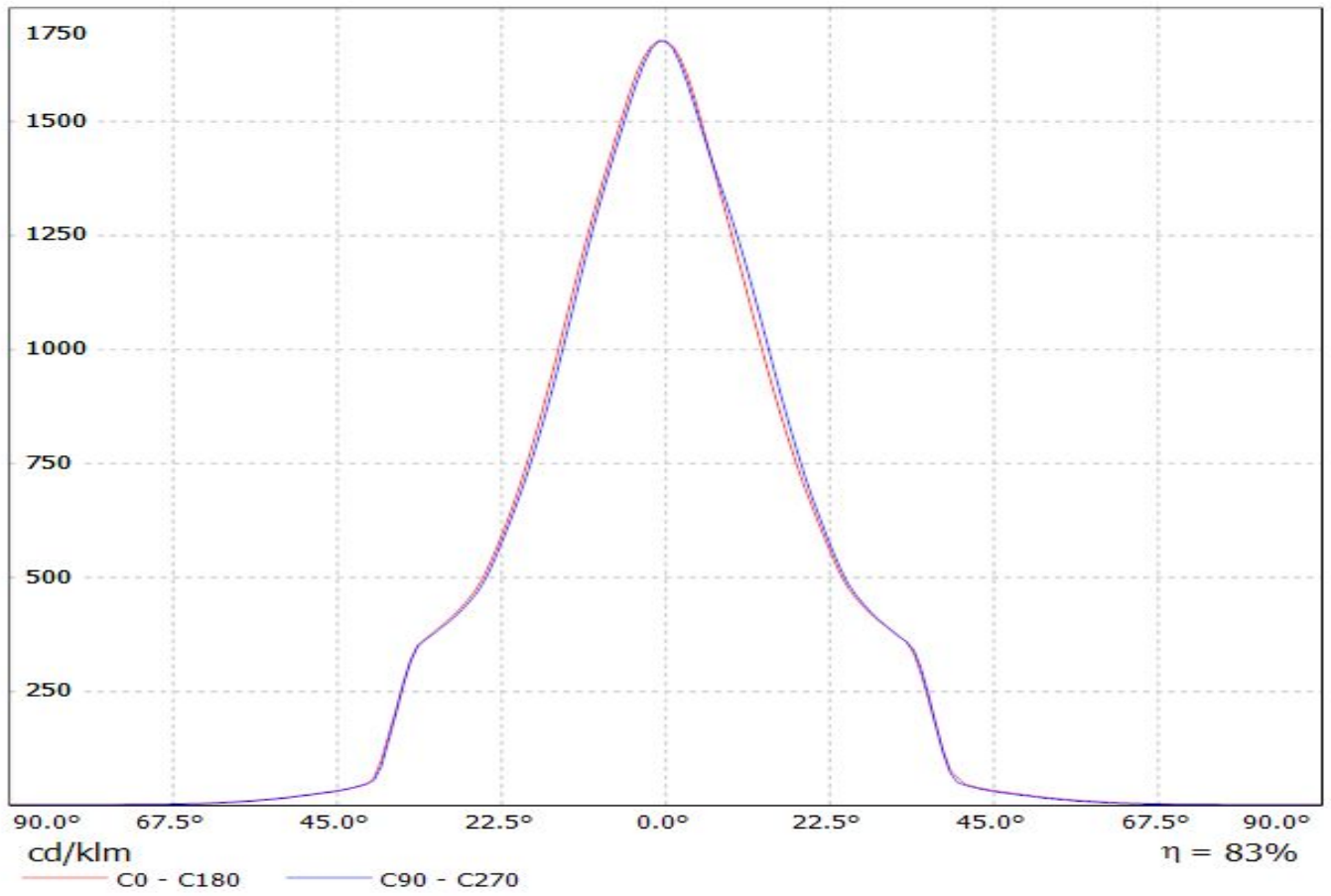


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Lamps: 1 x Citizen_CLL030_(CLL030-1206A1-303M1A2)_971.531lm@250mA_P=8.42026W_I=249.8mA

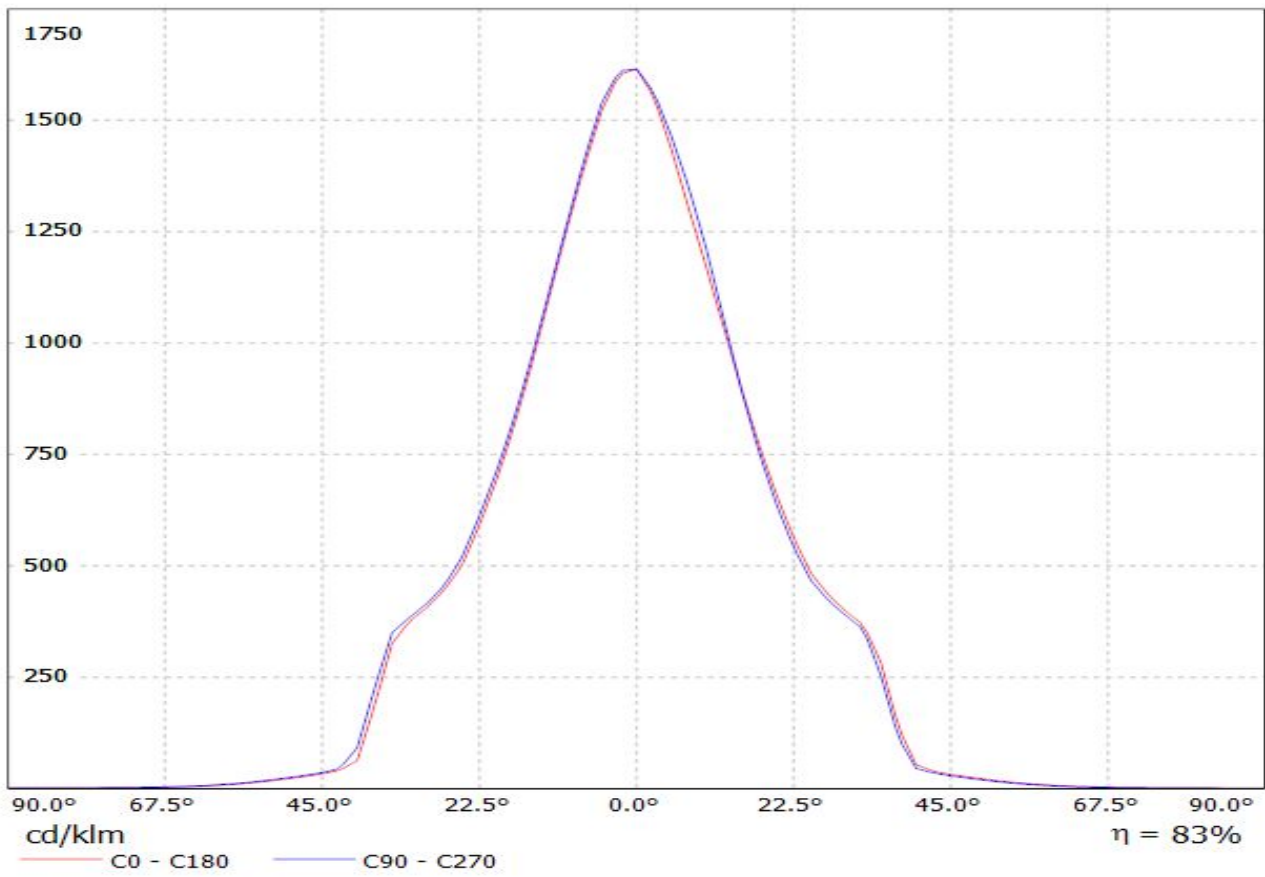


Luminaire: LEDiL Oy F13664_ANGELA-W-B_(CLL030) Eff.83.4%
Lamps: 1 x Citizen_CLL030_1040.57lm@250mA_P=8.45923W_I=249.8mA



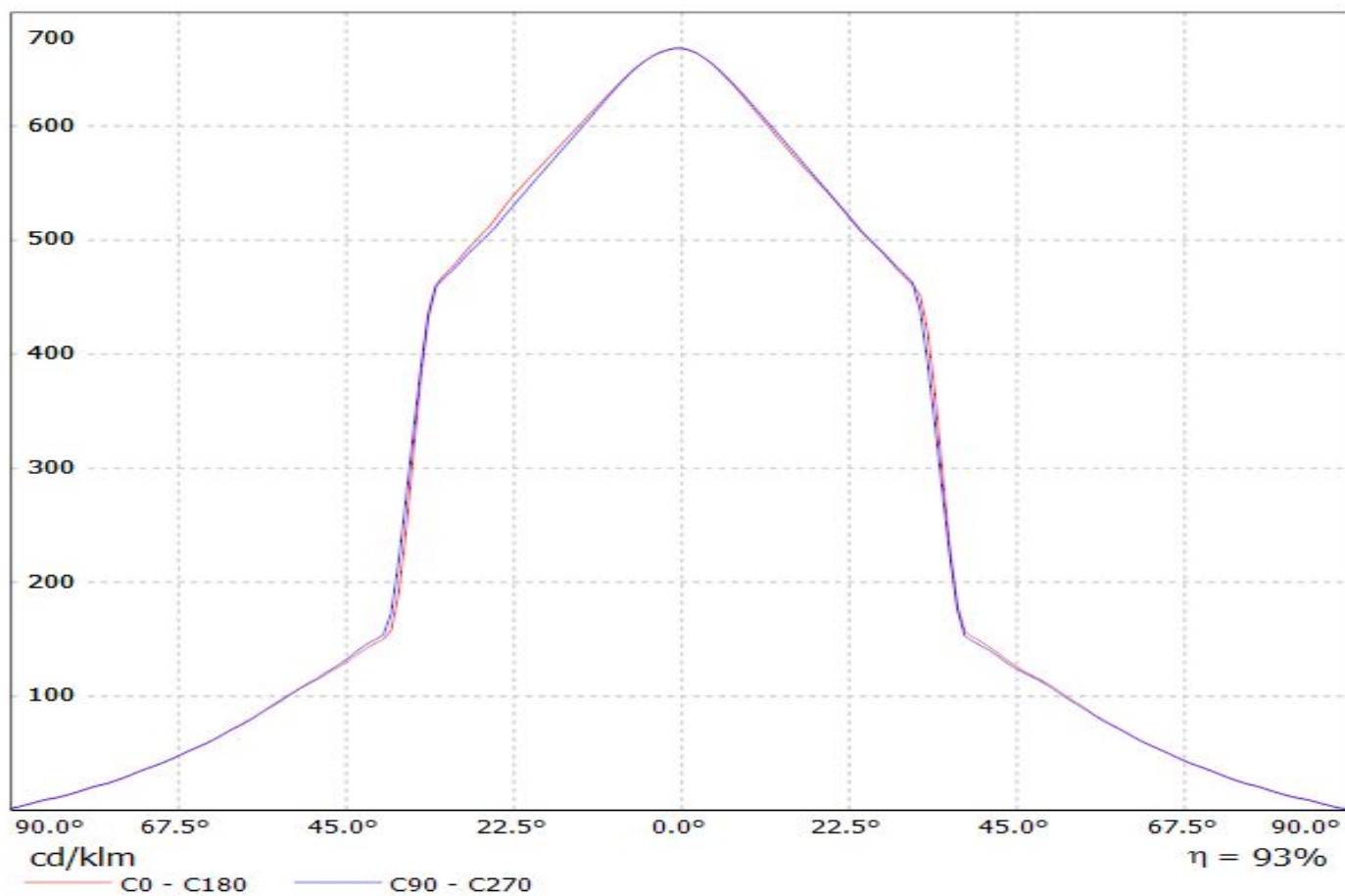
Luminaire: LEDiL Oy F13664_ANGELA-W-B_(CLU034)

Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



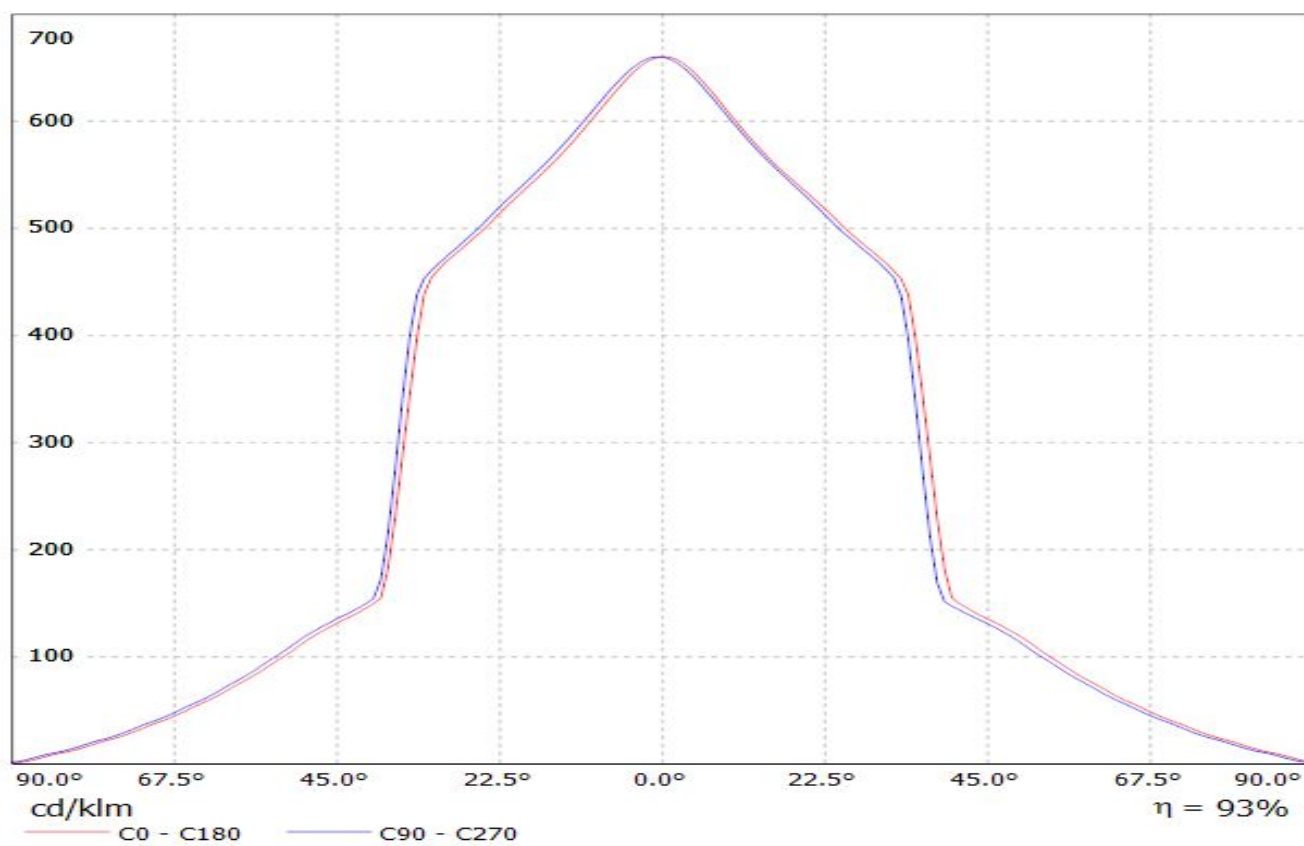
Luminaire: LEDiL Oy F13840_ANGELA-XW_(CLL030)

Lamps: 1 x Citizen_CLL030_(CLL030-1206A1-303M1A2)_971.531lm@250mA_P=8.42026W_I=249.8mA



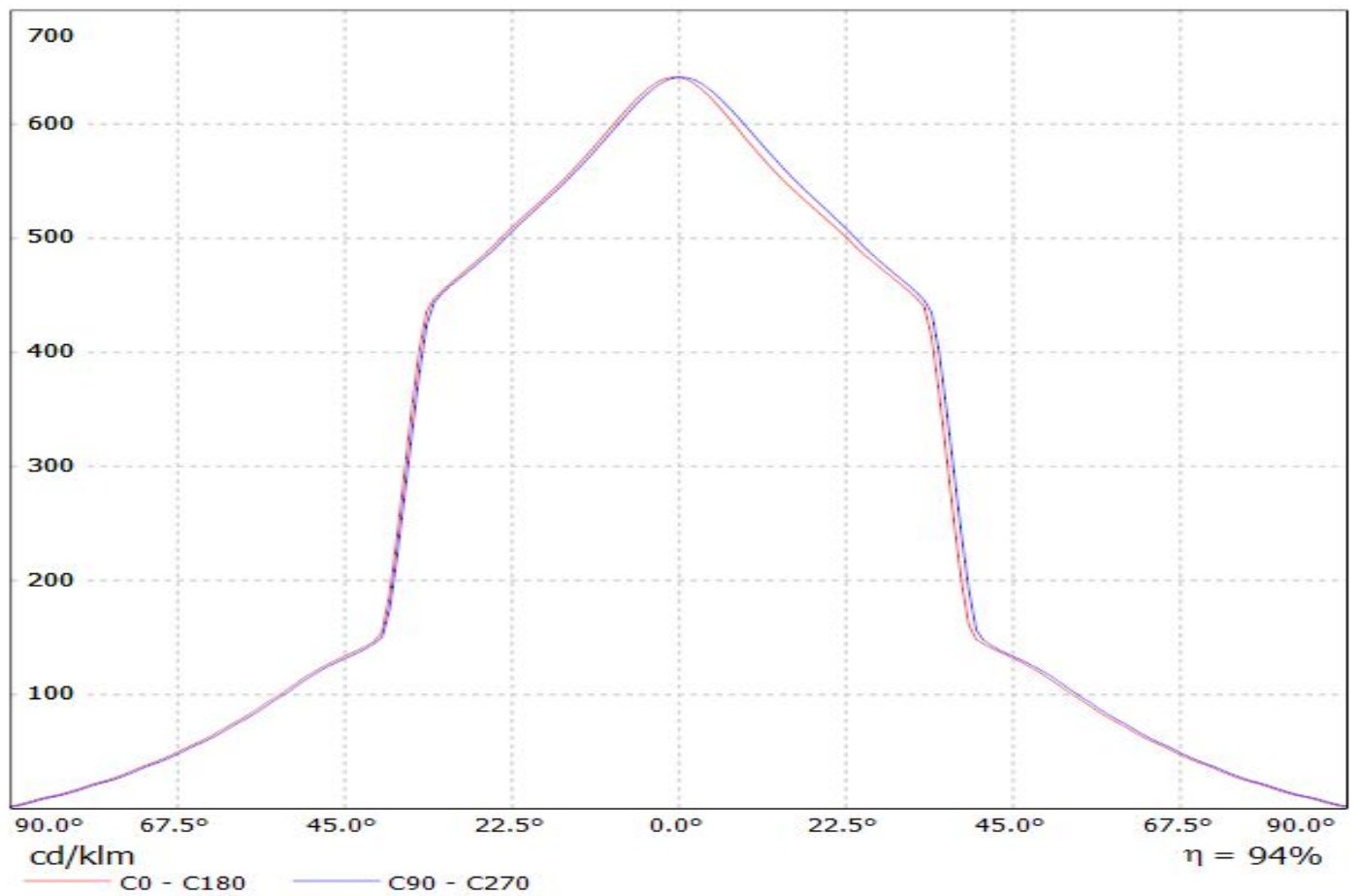
Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CLL030)

Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1303M1A2)_1041.7lm@250mA_P=8.45787W_I=249.9mA



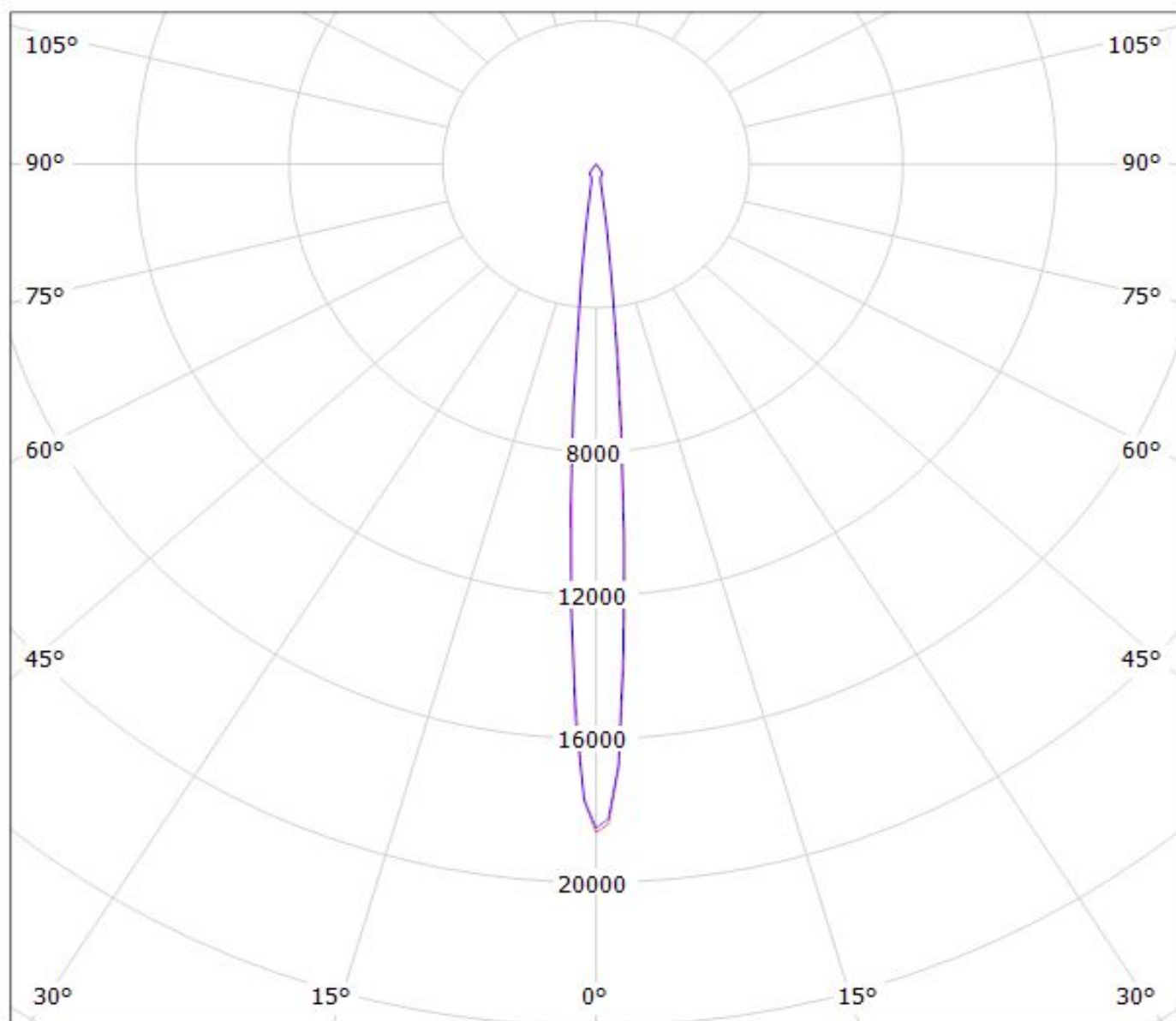
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Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.1lm@250mA_P=8.46586W_I=249.9mA



Luminaire: LEDiL Oy F13379_ANGELA-S_(CLL030) Eff.93.7%

Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1-303M1A2)_982.337lm@250mA_P=8.39814W_I=249.9mA



cd/klm

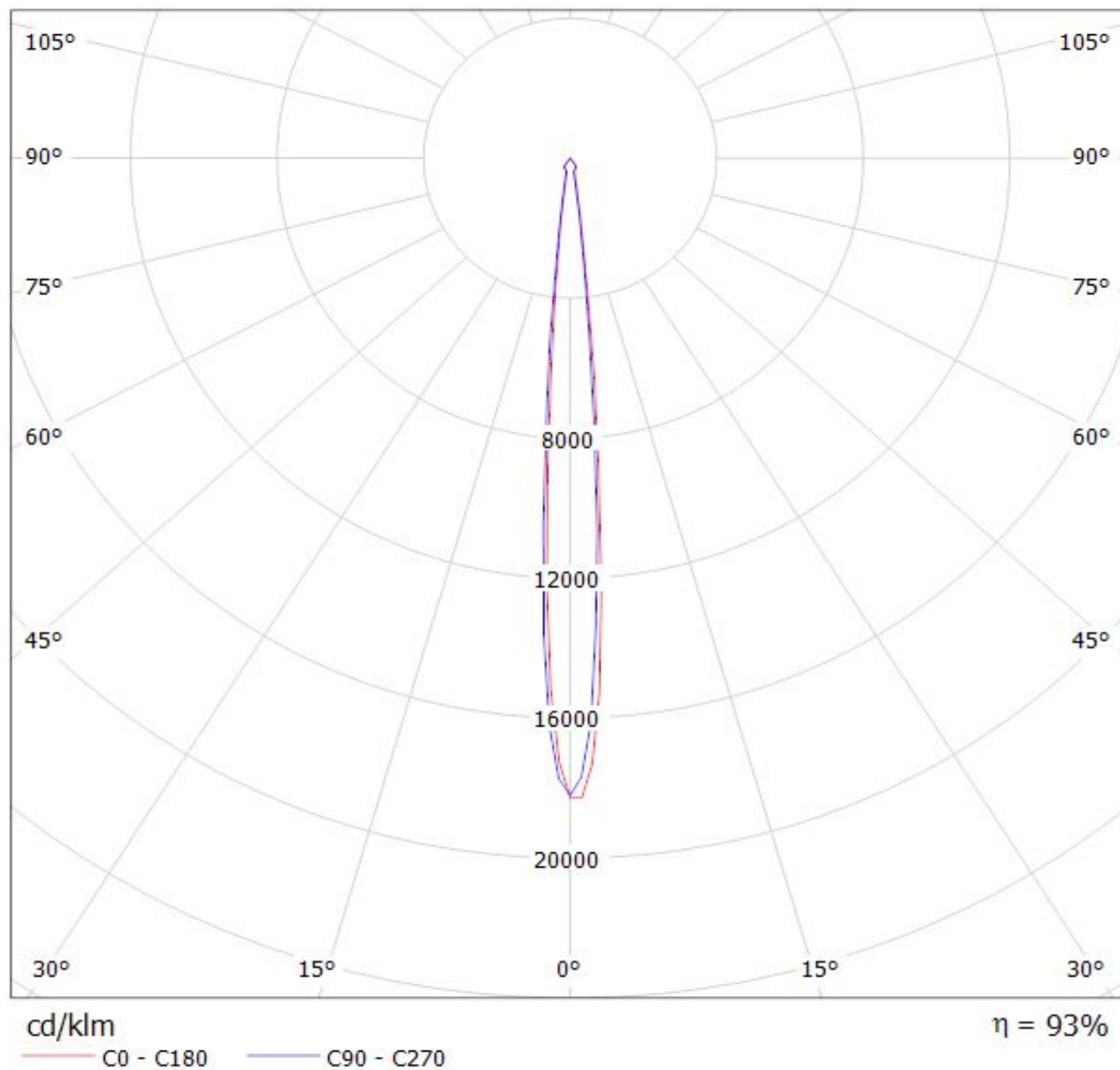
$\eta = 93\%$

— C0 - C180

— C90 - C270

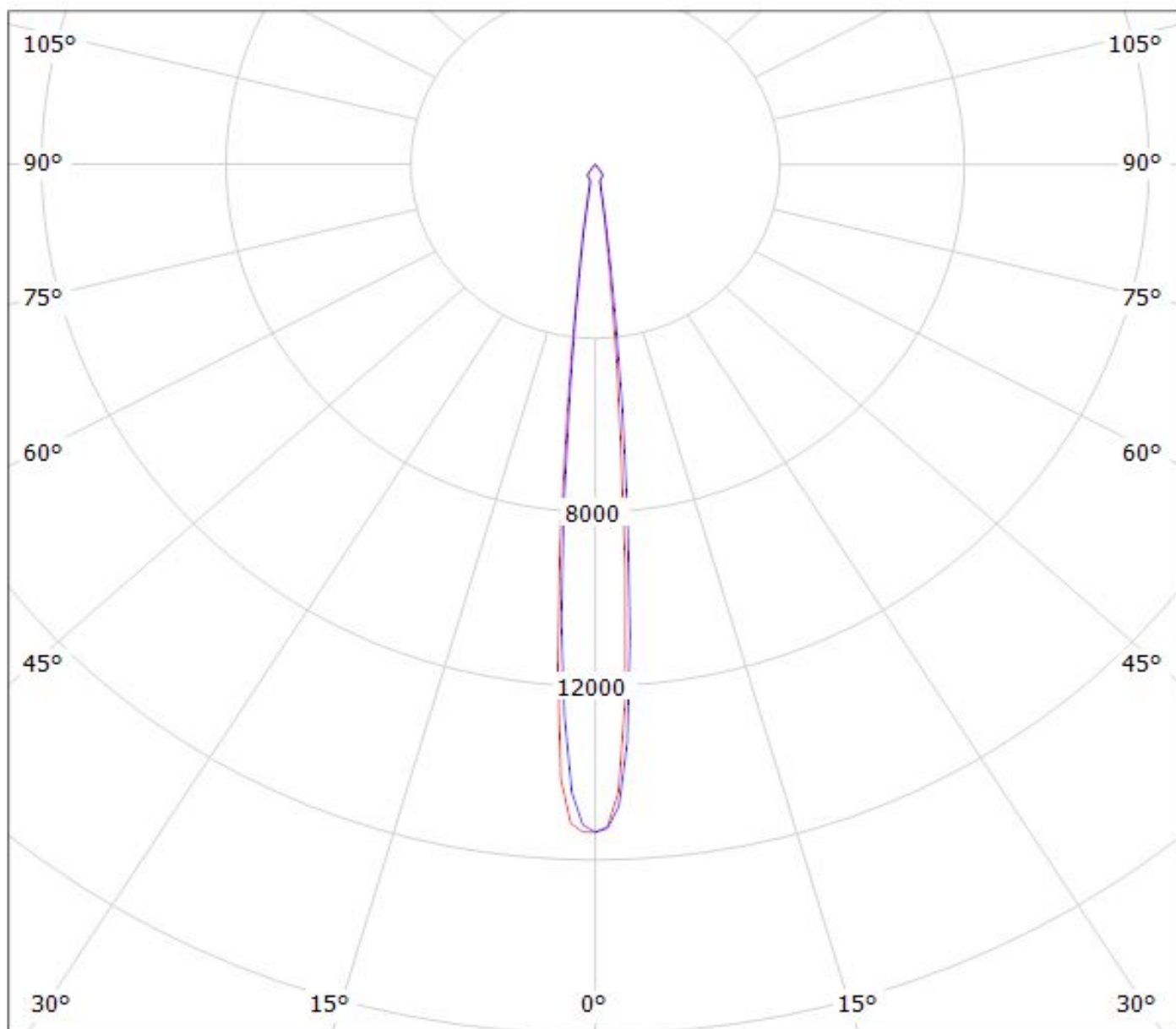
Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CLL030)

Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1-303M1A2)_1046.22lm@250mA_P=8.46761W_I=249.9mA



Luminaire: LEDiL Oy F13662_ANGELA-S-B_(CLU034)

Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



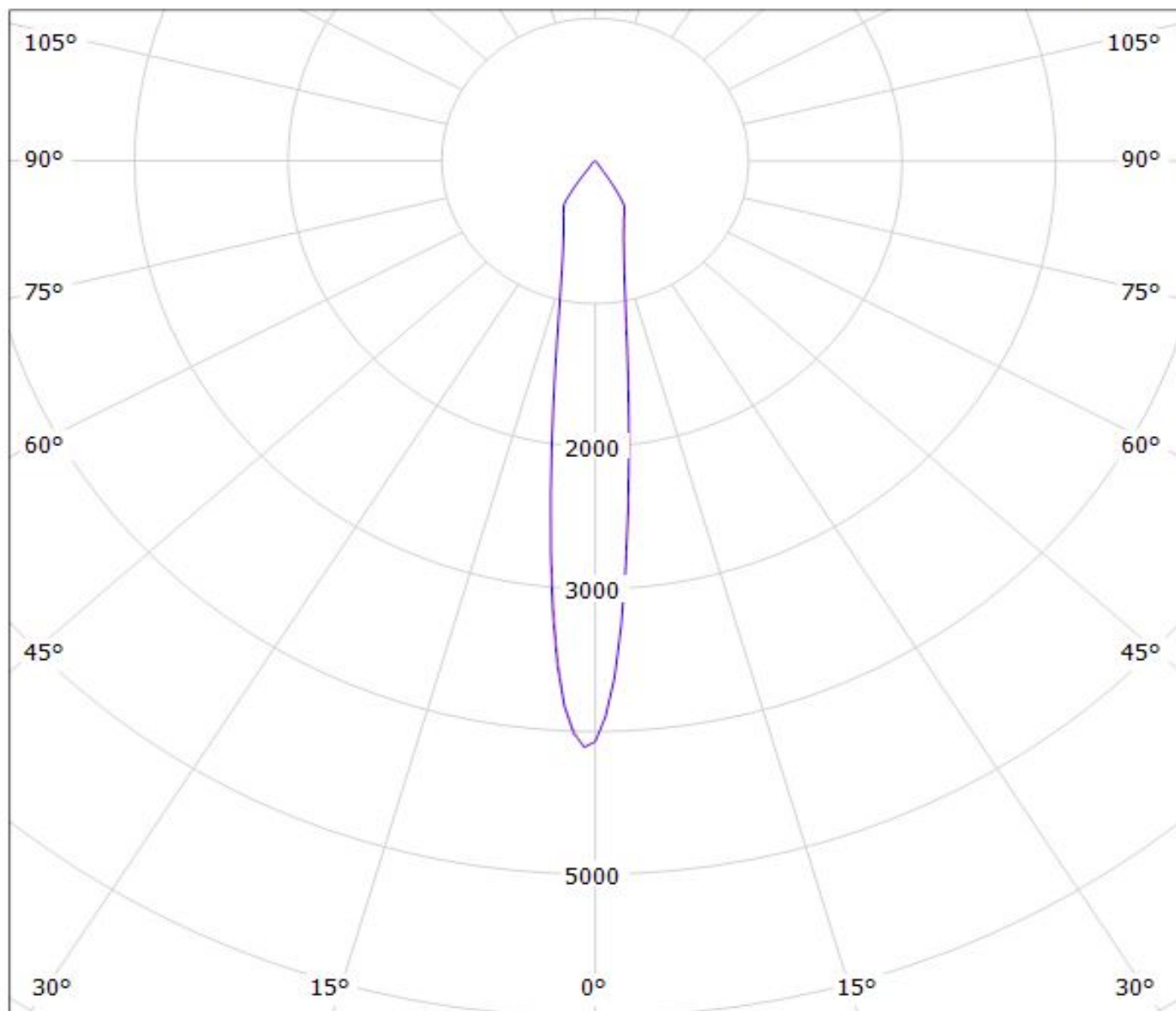
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13380_ANGELA-M_(CLL030)

Lamps: 1 x Citizen_CLL030_(CLL030-1206A1-303M1A2)_971.531lm@250mA_P=8.42026W_I=249.8mA



cd/klm

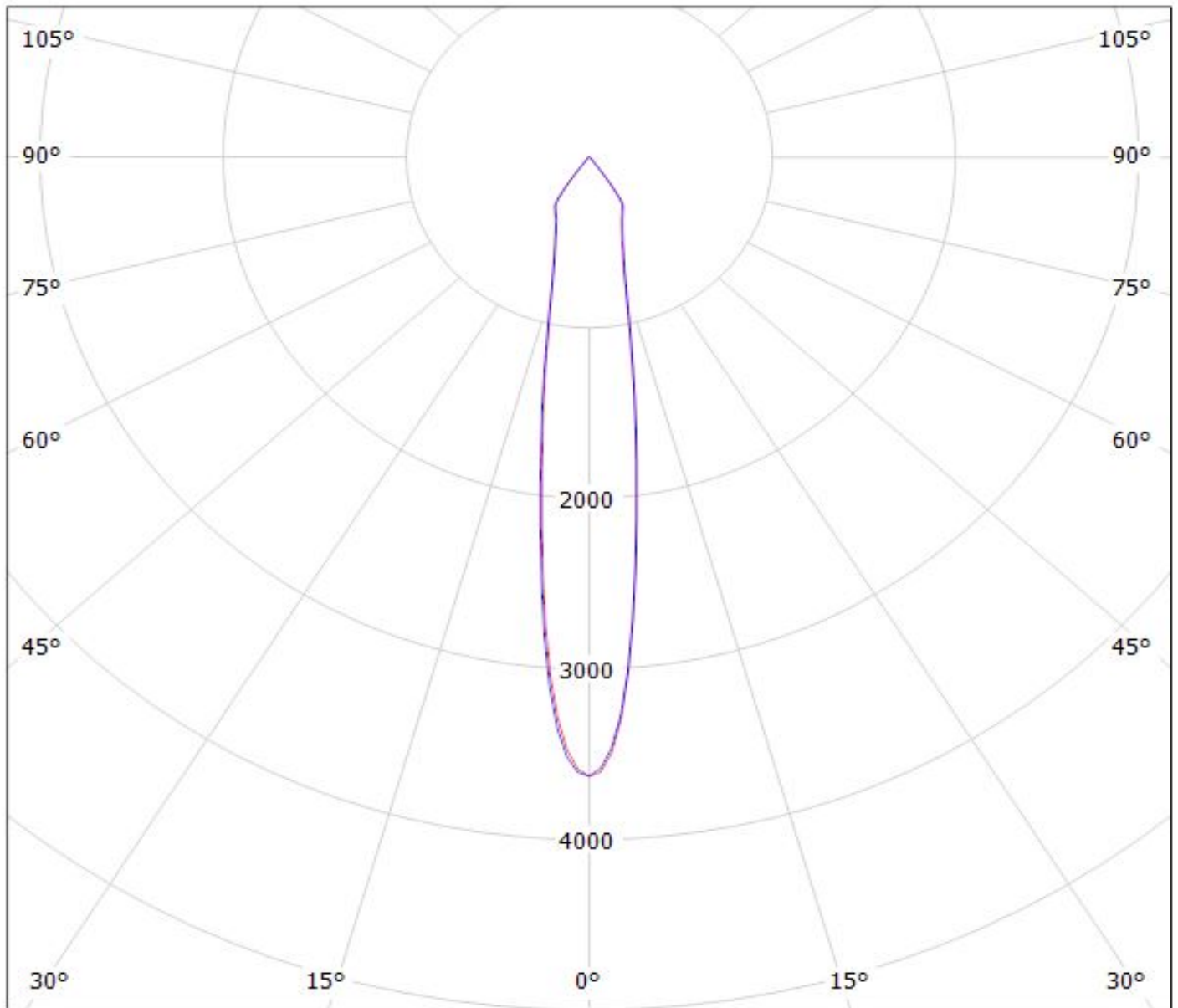
$\eta = 84\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy F13663_ANGELA-M-B_(CLU034)

Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



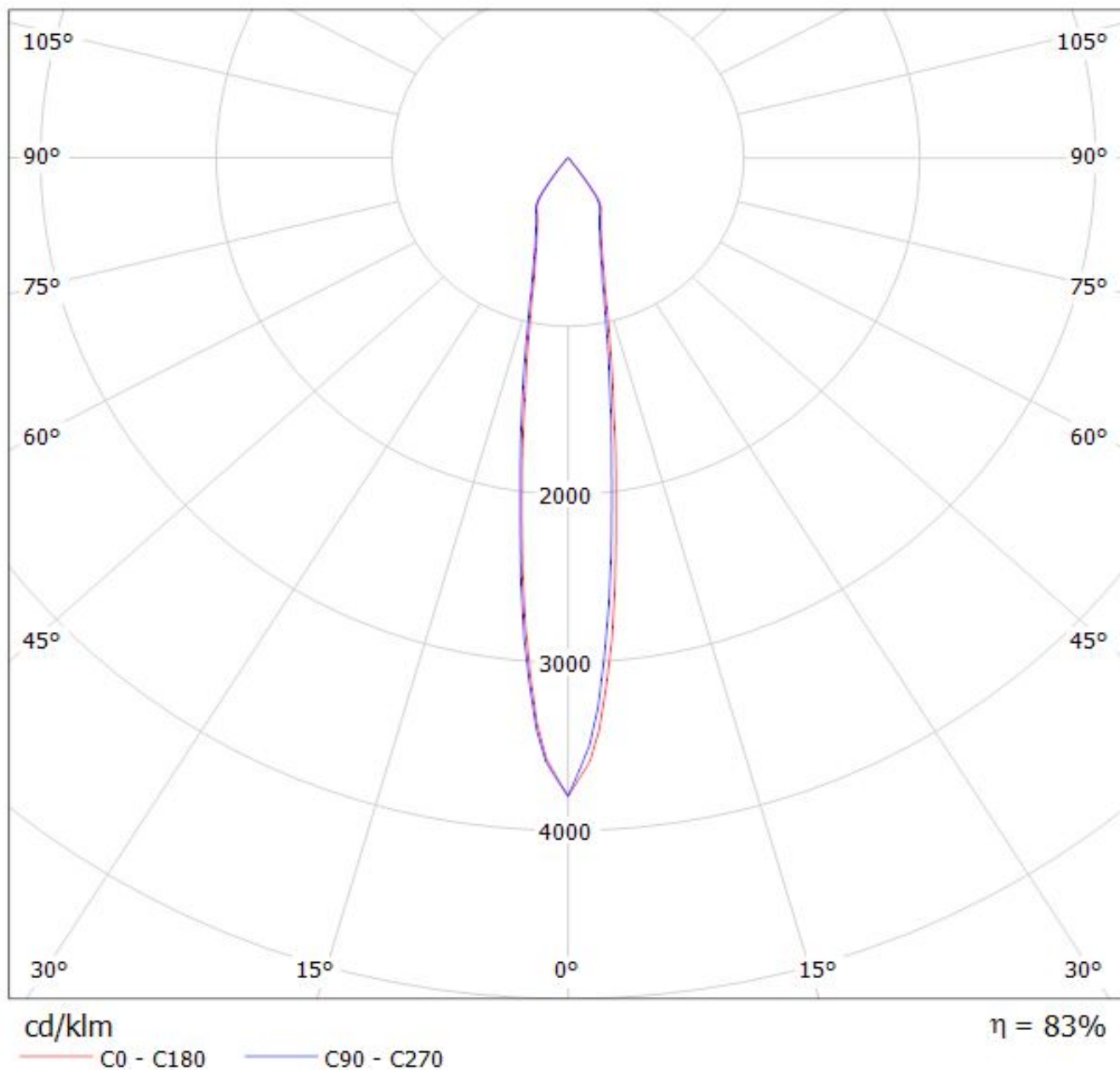
cd/klm

— C0 - C180

— C90 - C270

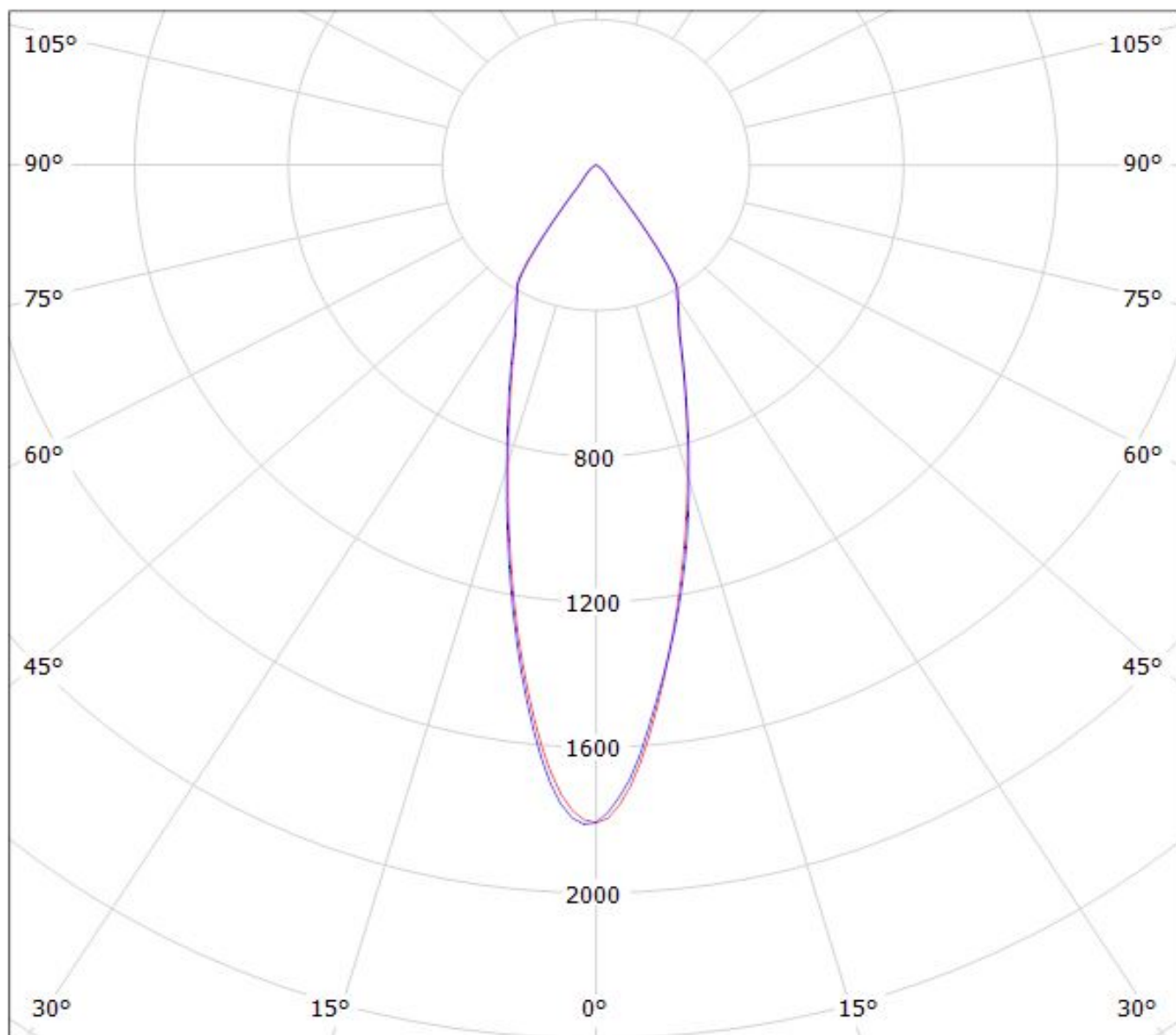
$\eta = 83\%$

Luminaire: LEDiL Oy F13663_ANGELA-M-B_(CLL030) Eff.82.7%
Lamps: 1 x Citizen_CLL030_1040.57lm@250mA_P=8.45923W_I=249.8mA



Luminaire: LEDiL Oy F13381_ANGELA-W_(CLL030)

Lamps: 1 x Citizen_CLL030_(CLL030-1206A1-303M1A2)_971.531lm@250mA_P=8.42026W_I=249.8mA



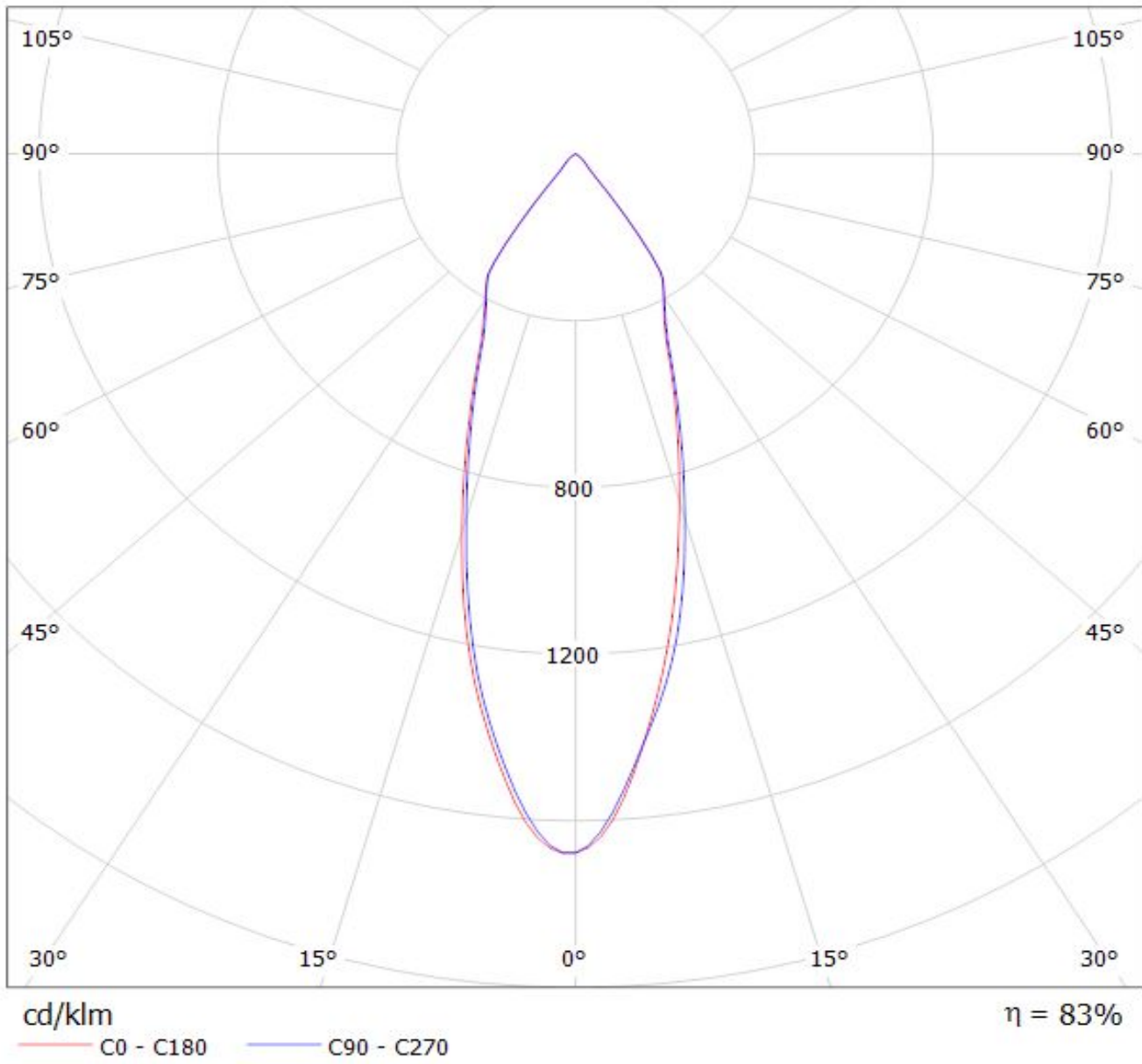
cd/klm

— C0 - C180

— C90 - C270

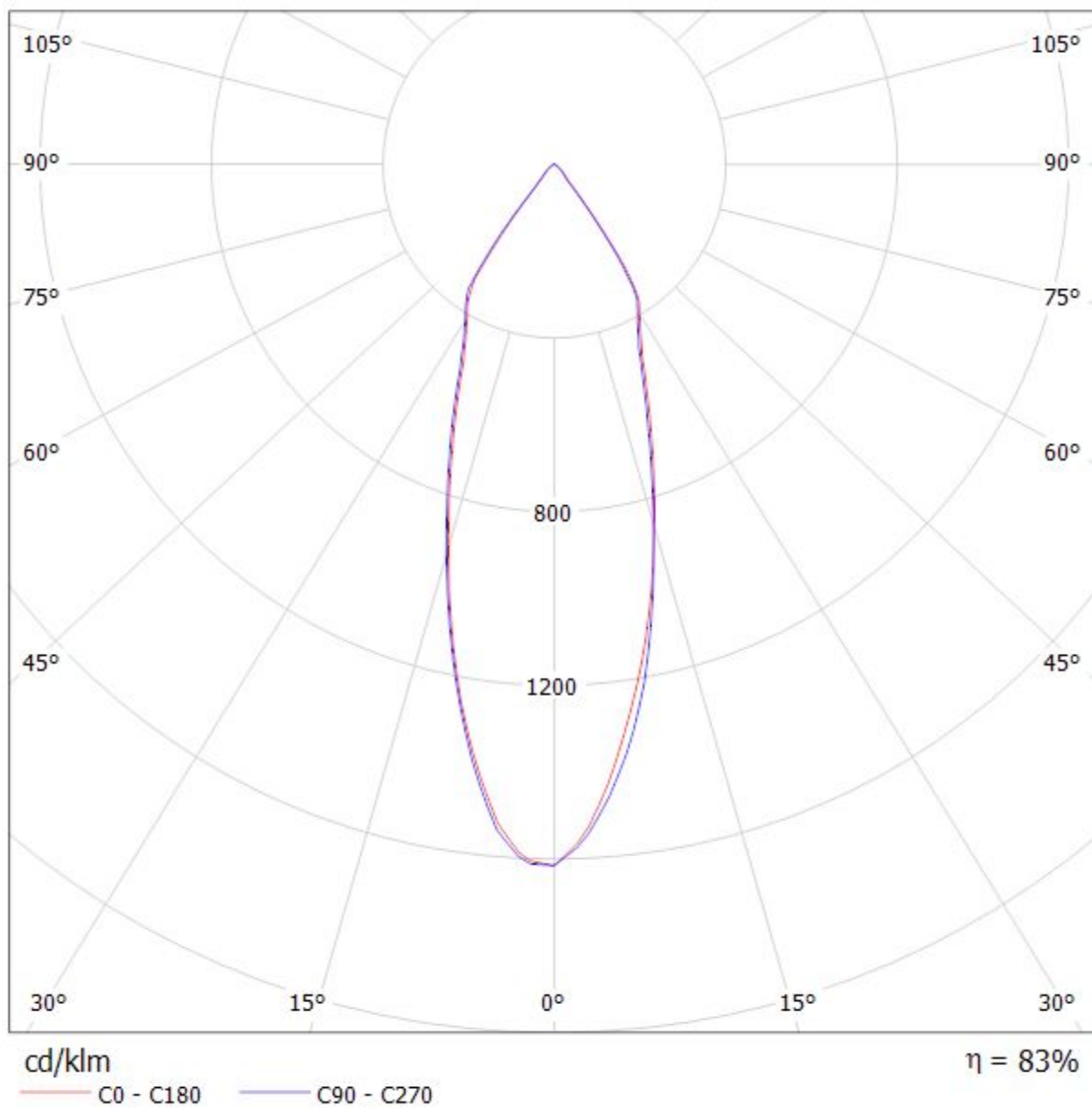
$\eta = 83\%$

Luminaire: LEDiL Oy F13664_ANGELA-W-B_(CLL030) Eff.83.4%
Lamps: 1 x Citizen_CLL030_1040.57lm@250mA_P=8.45923W_I=249.8mA



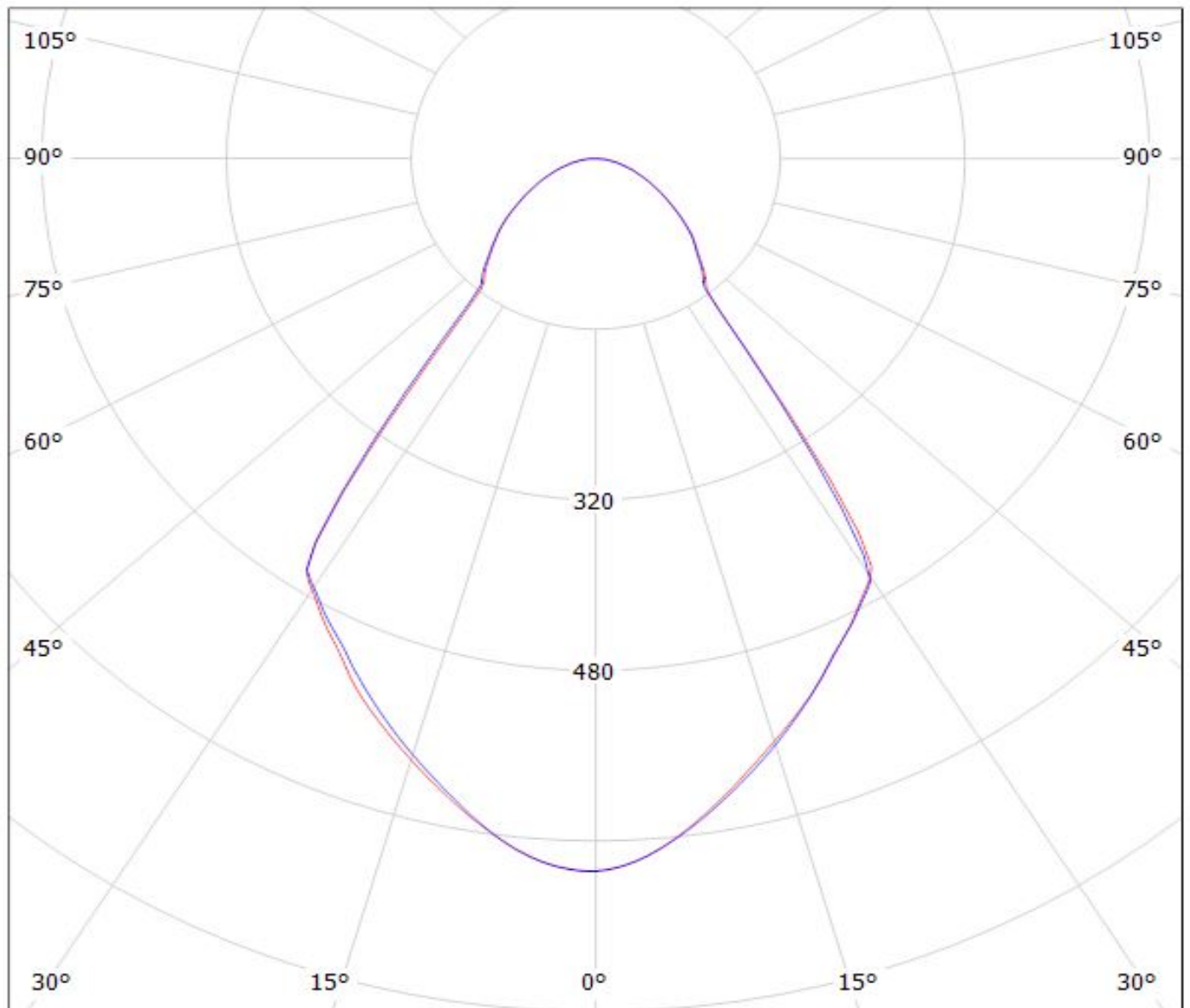
Luminaire: LEDiL Oy F13664_ANGELA-W-B_(CLU034)

Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



Luminaire: LEDiL Oy F13840_ANGELA-XW_(CLL030)

Lamps: 1 x Citizen_CLL030_(CLL030-1206A1-303M1A2)_971.531lm@250mA_P=8.42026W_I=249.8mA



cd/klm

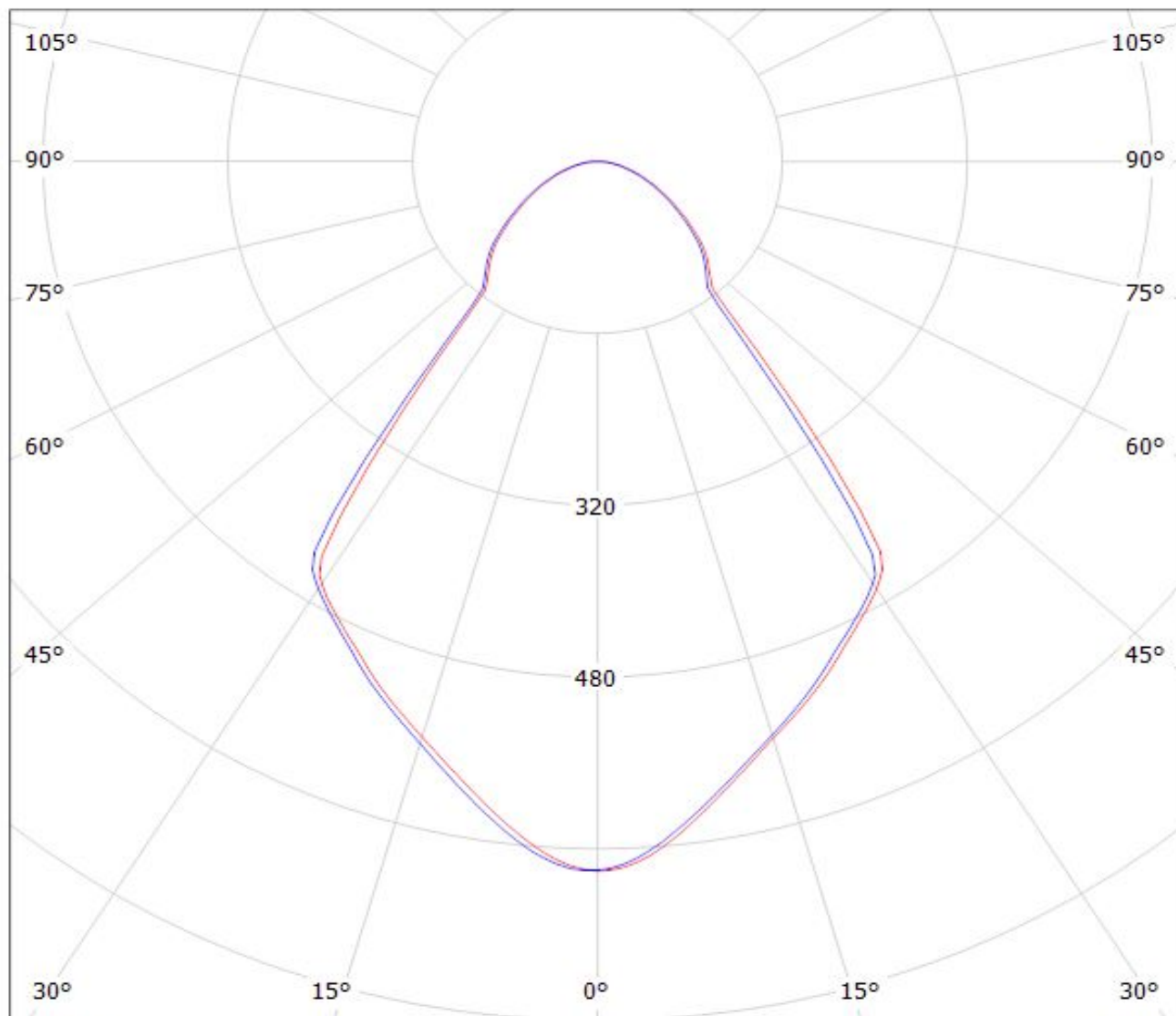
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CLL030)

Lamps: 1 x CITIZEN_CLL030_(CLL030-1206A1303M1A2)_1041.7lm@250mA_P=8.45787W_I=249.9mA



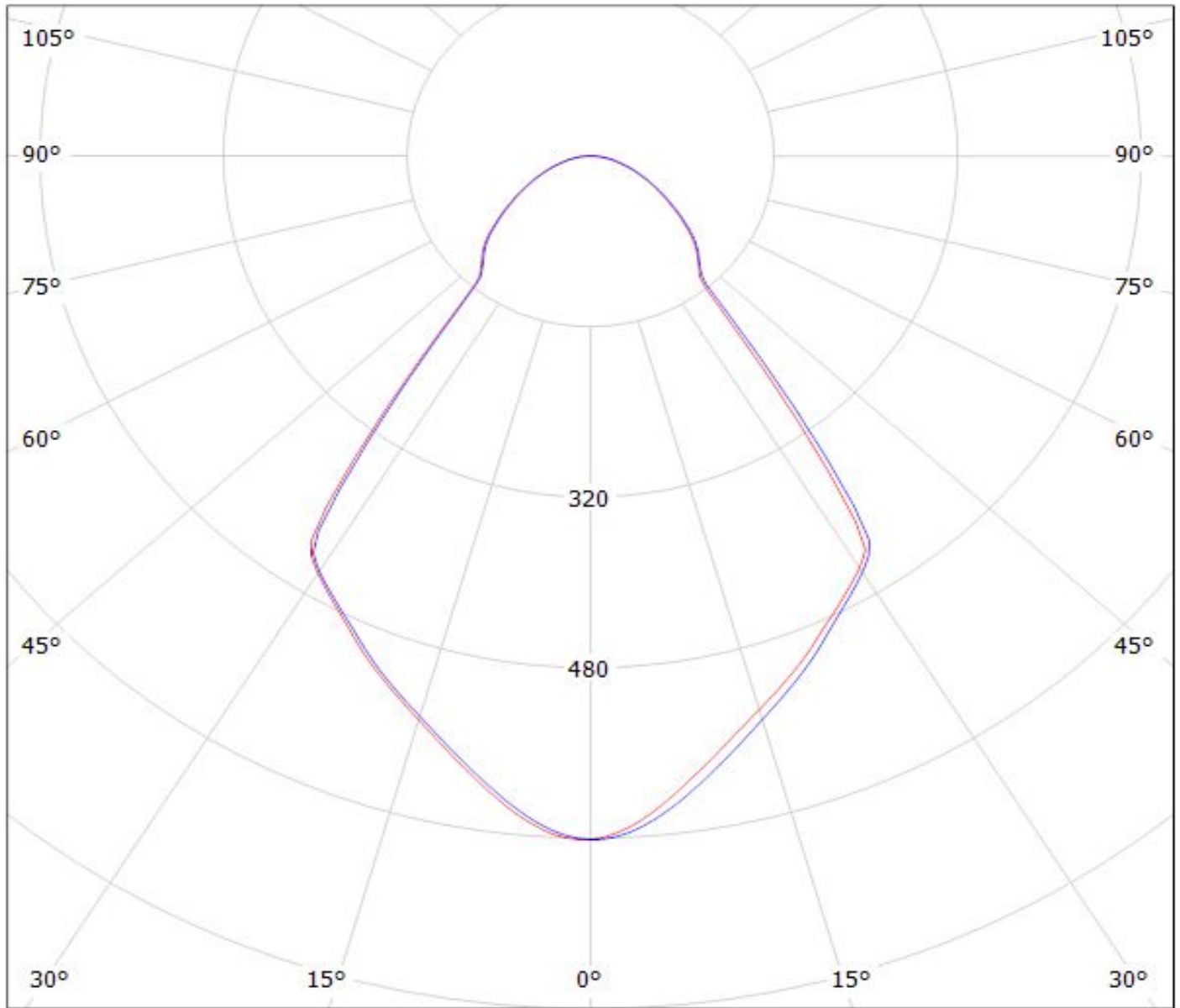
cd/klm

$\eta = 93\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy F13841_ANGELA-XW-B_(CLU034)

Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1159.11lm@250mA_P=8.46586W_I=249.9mA



cd/klm

— C0 - C180

— C90 - C270

$\eta = 94\%$