

## DETAILS

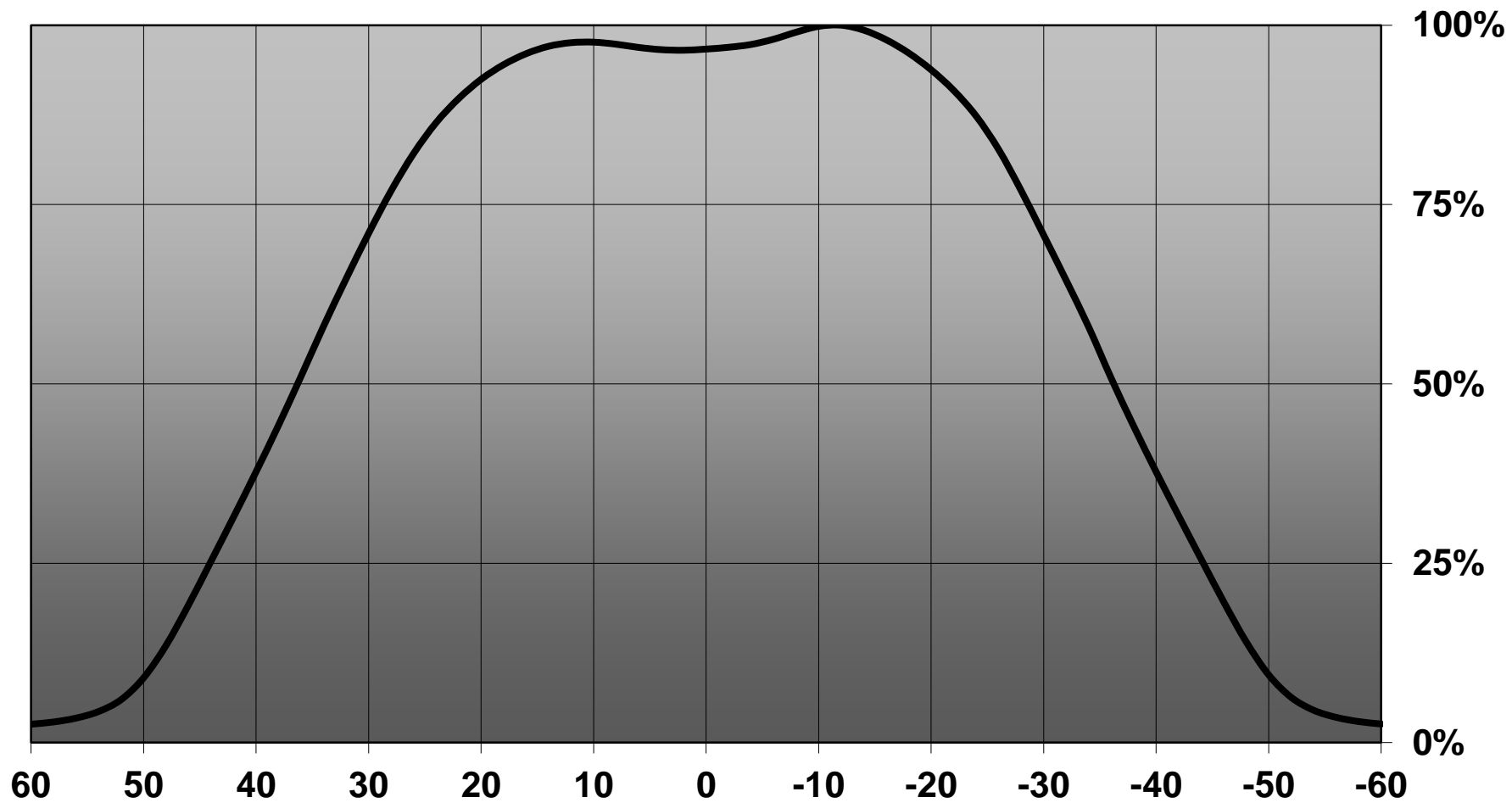
<b>Product Number</b>	FN14074_STELLA-HB
<b>Family</b>	STELLA
<b>Type</b>	Lens
<b>Color</b>	clear
<b>Diameter</b>	90 mm
<b>Height</b>	19.5 mm
<b>Style</b>	round
<b>Optic Material</b>	Silicone
<b>Holder Material</b>	PA66GF30
<b>Fastening</b>	screw
<b>Status</b>	ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	1/07/2015



## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
CLL04x/CLU044	sim: 61	HighBay	-	sim: 0.000	-
CLL05x/CLU054	65 deg	HighBay	94 %	0.740	Bender Wirth: 458 Typ L4
CLL04x/CLU044	68 deg	HighBay	93 %	0.770	-
VERO29	69 deg	HighBay	94 %	0.708	-
LUXEON CoB 1211	71 deg	HighBay	93 %	0.730	-
CXA/B 3590	72 deg	HighBay	93 %	0.682	-
CXM-22	73 deg	HighBay	93 %	0.700	-
CLL05x/CLU054	73 deg	HighBay	93 %	0.630	-
VERO18	75 deg	HighBay	93 %	0.700	-
CLU046	77 deg	HighBay	94 %	0.650	-
CXA/B 30xx	78 deg	HighBay	93 %	0.630	-
CXM-18	80 deg	HighBay	93 %	0.600	-
CXA/B 25xx	83 deg	HighBay	93 %	0.566	-
Solieriq S19	84 deg	HighBay	92 %	0.570	-

### Relative intensity of FN14074\_STELLA-HB\_(CXM-22)

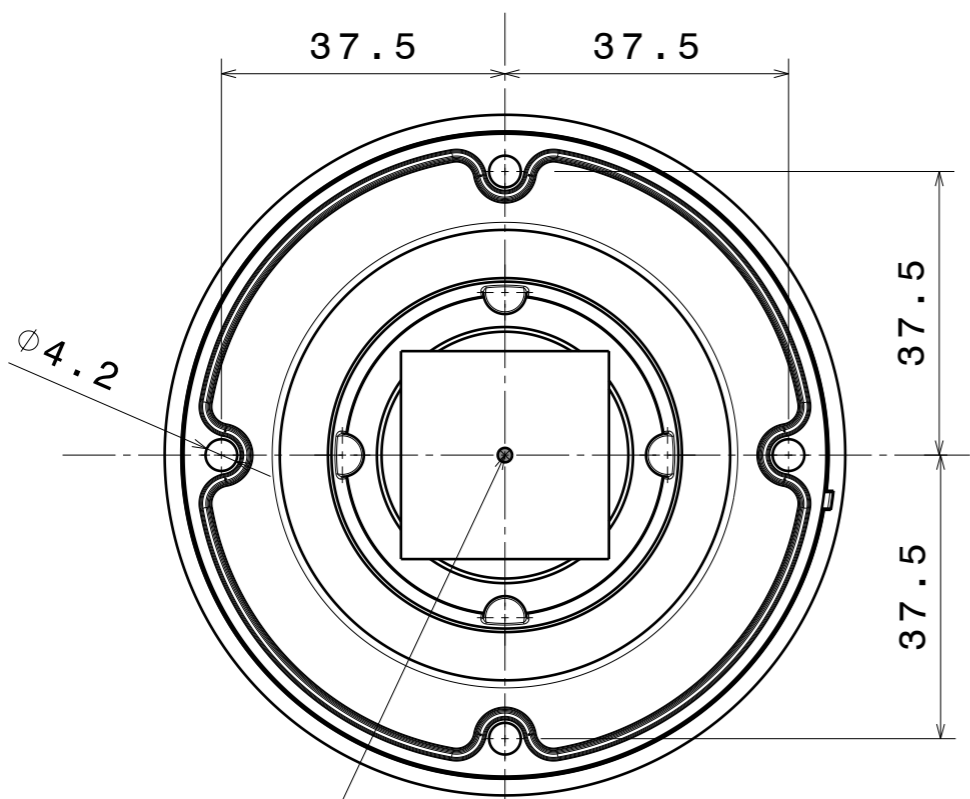


— 1: 0-180

H G F E D C B A

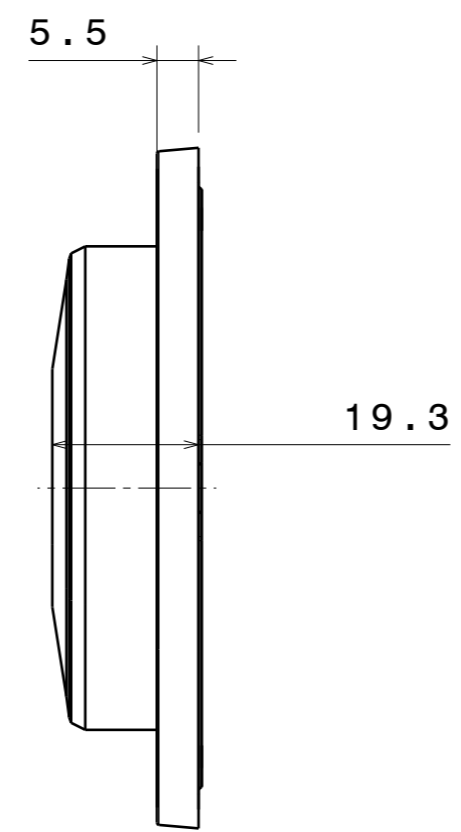
4

4

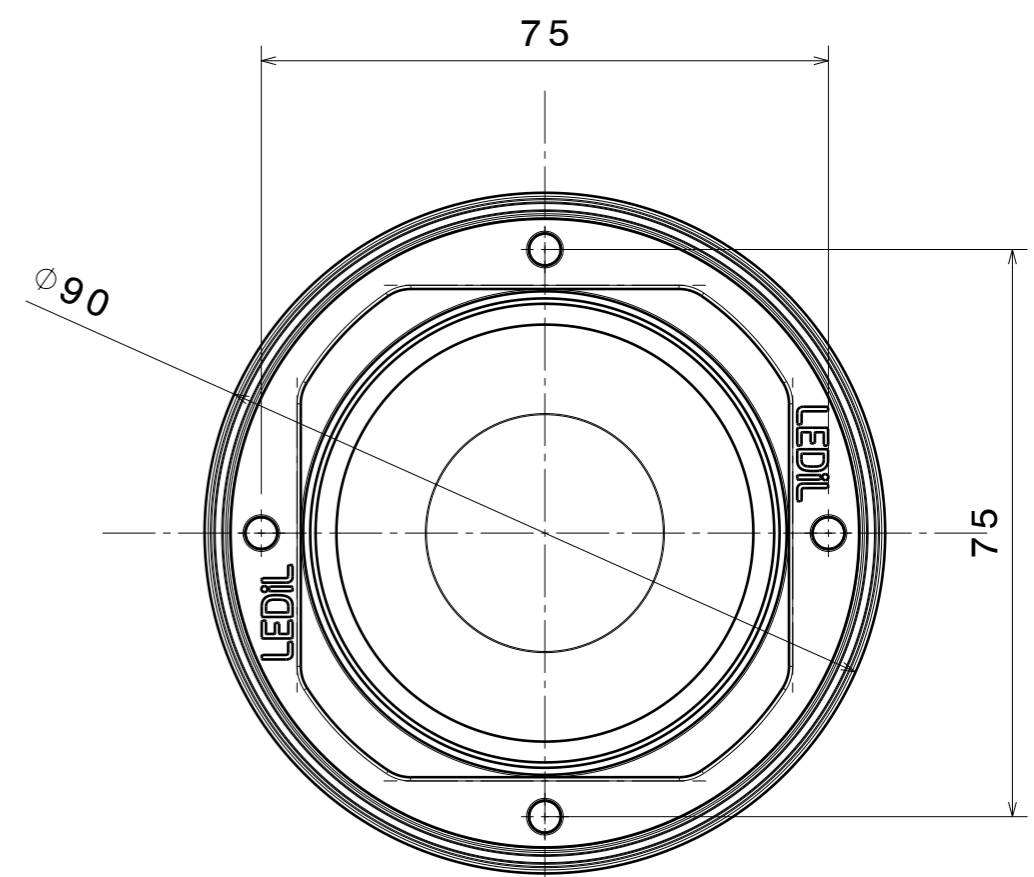


LED Center position

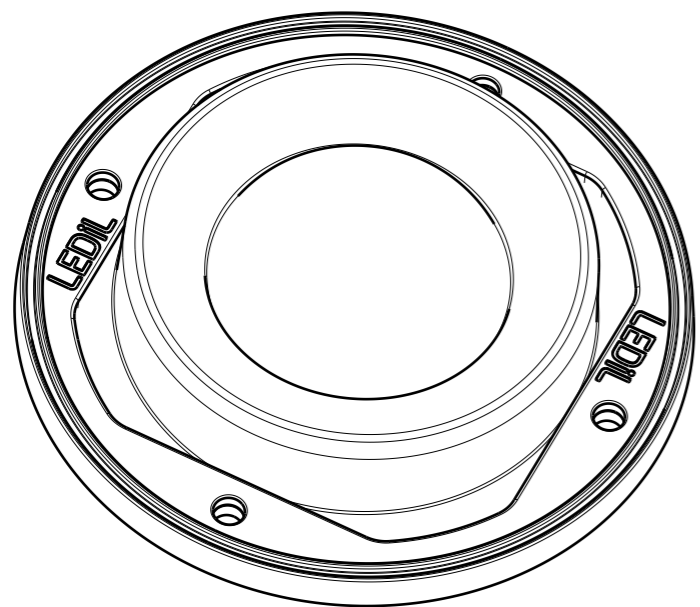
Bottom view



Right view



Front view



Isometric view

Lens Material: Optical grade LSR  
 Frame material: PA, black

Tolerances if not otherwise shown  
 According to DIN ISO 2768-1  
 Linear measures: class V  
 Please note that due to the elasticity of  
 products made of silicone actual measured  
 values may vary, and therefore typical  
 tolerance values may not be applied.

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

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**STELLA-HB datasheet**

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 of LEDiL Oy. It may not be  
 reproduced, copied or  
 communicated without a written  
 agreement with LEDiL Oy."

SIZE	PART NUMBER		
<b>A3</b>	<b>FN14074</b>		

SCALE	1:1	WEIGHT	(g)	SHEET	1/1
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H G B A

1

1

2

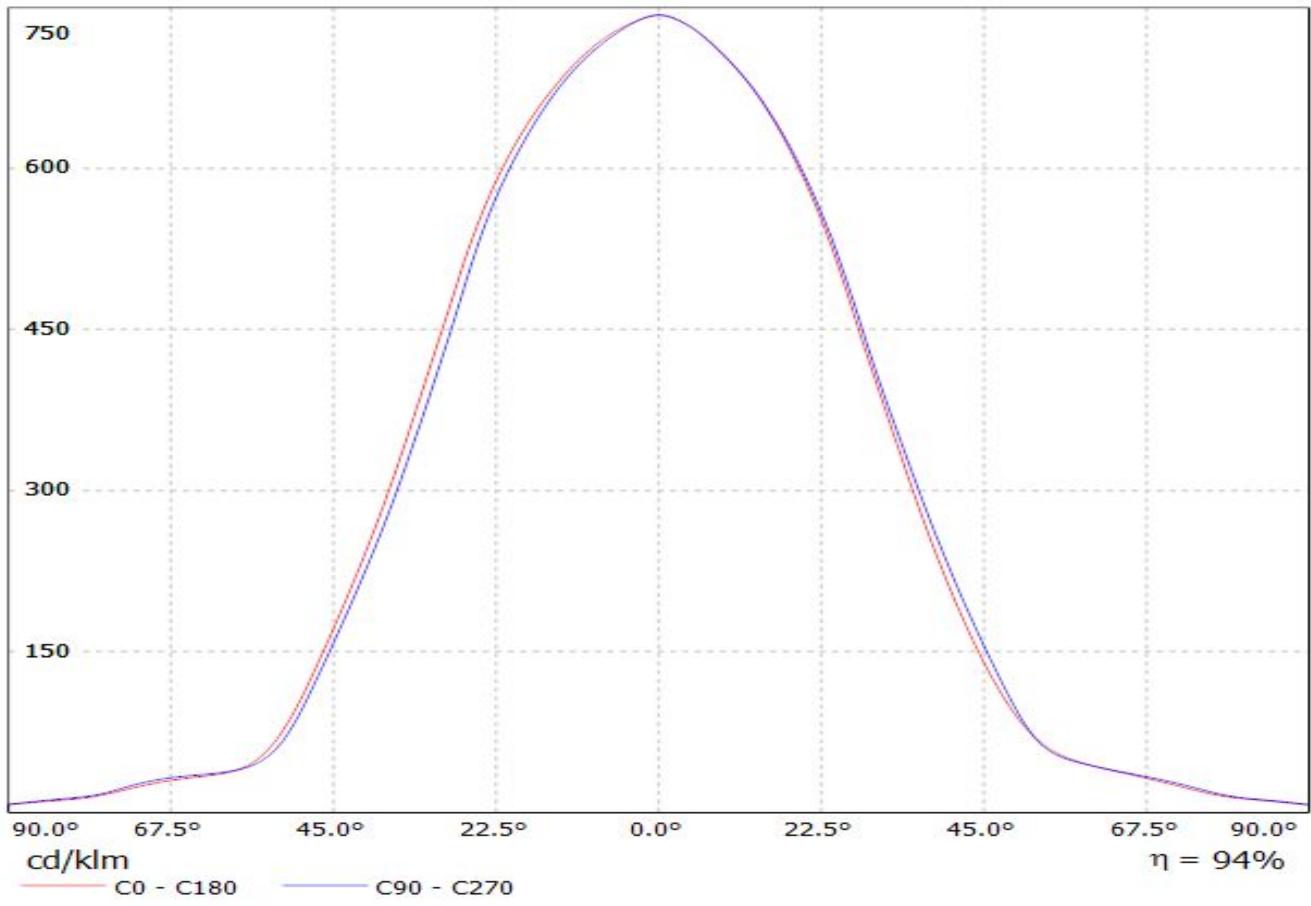
2

3

3

Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CLL050)

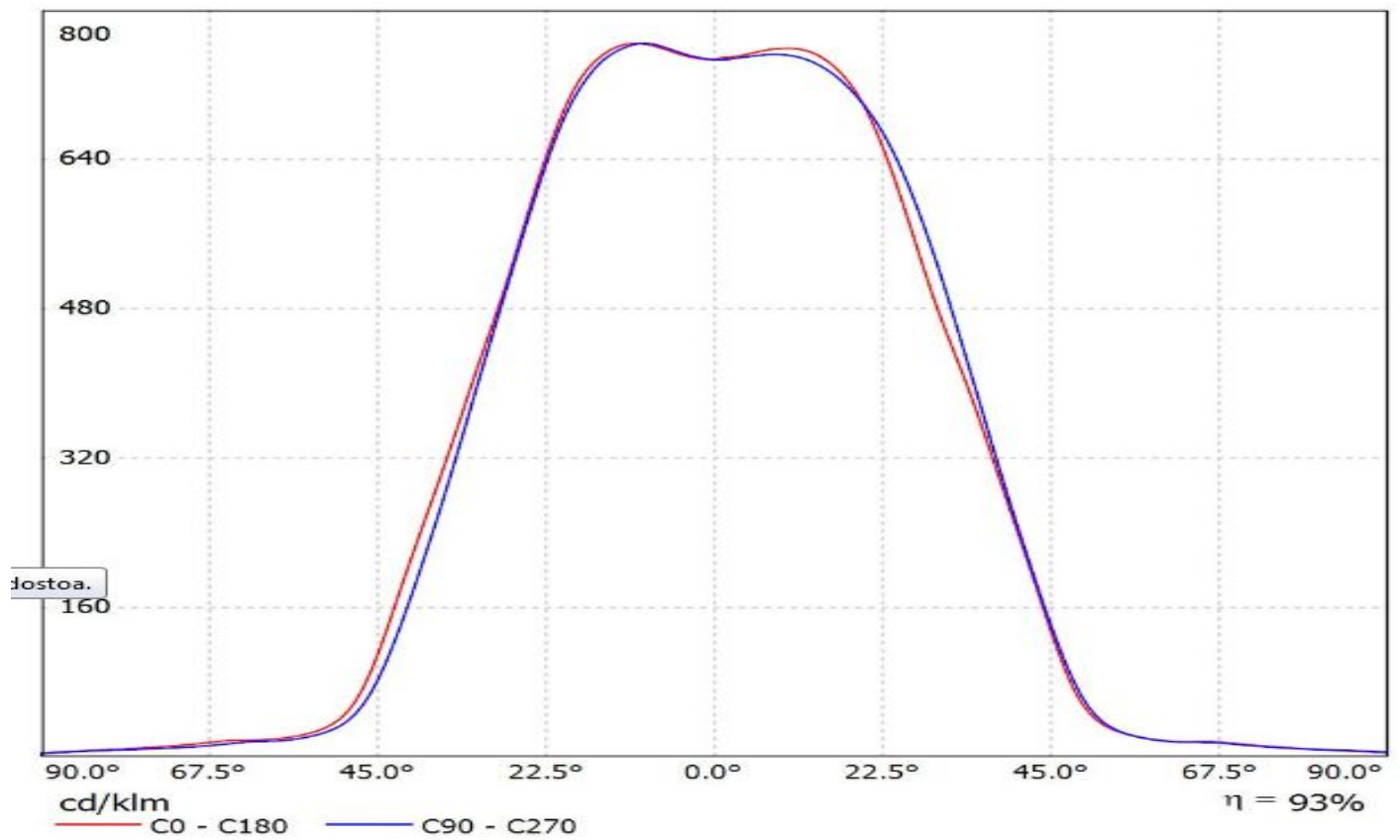
Lamps: 1 x CLL050+\_B+W\_458\_Typ\_L4\_1471.17lm@250mA\_P=12.0411W\_I=250mA



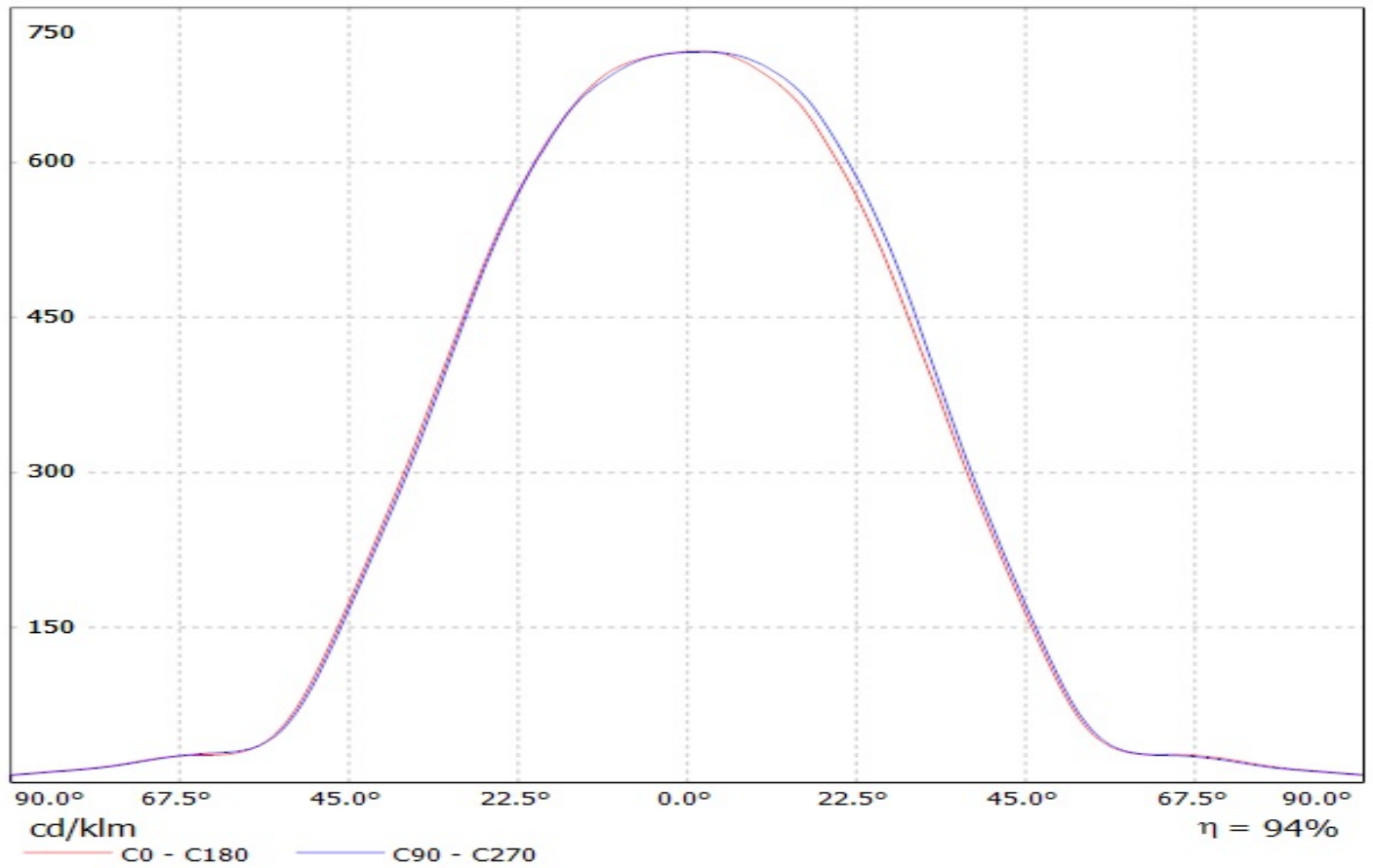
# Ledil FN14074\_STELLA-HB\_(CLU044)\_(431\_Typ\_L3) / LDC (Linear)

Luminaire: Ledil FN14074\_STELLA-HB\_(CLU044)\_(431\_Typ\_L3)

Lamps: 1 x Citizen\_CLU044\_(CLU044-1212B8-303M1A2)\_1334.99lm@250mA\_P=8.16W\_I=0.25A



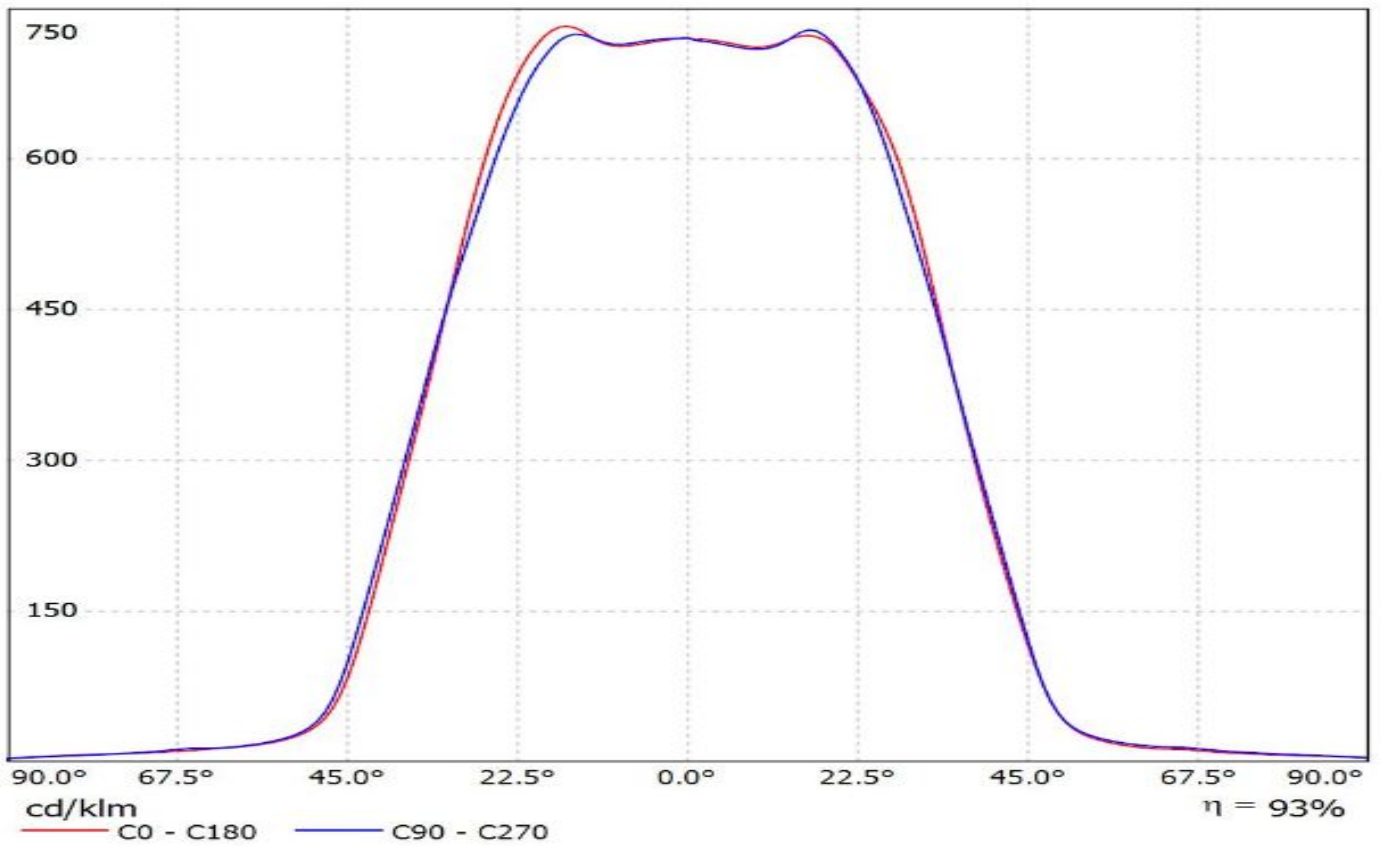
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(VERO29)  
Lamps: 1 x Bridgelux\_VERO29\_(BXRC-50C10K0-L-04)  
\_568.615lm@100mA\_CCT=4910K\_P=3.4015W\_I=100.1mA



# Ledil FN14074\_STELLA-HB\_(CoB\_1211)\_(431\_Typ\_L3) / LDC (Linear)

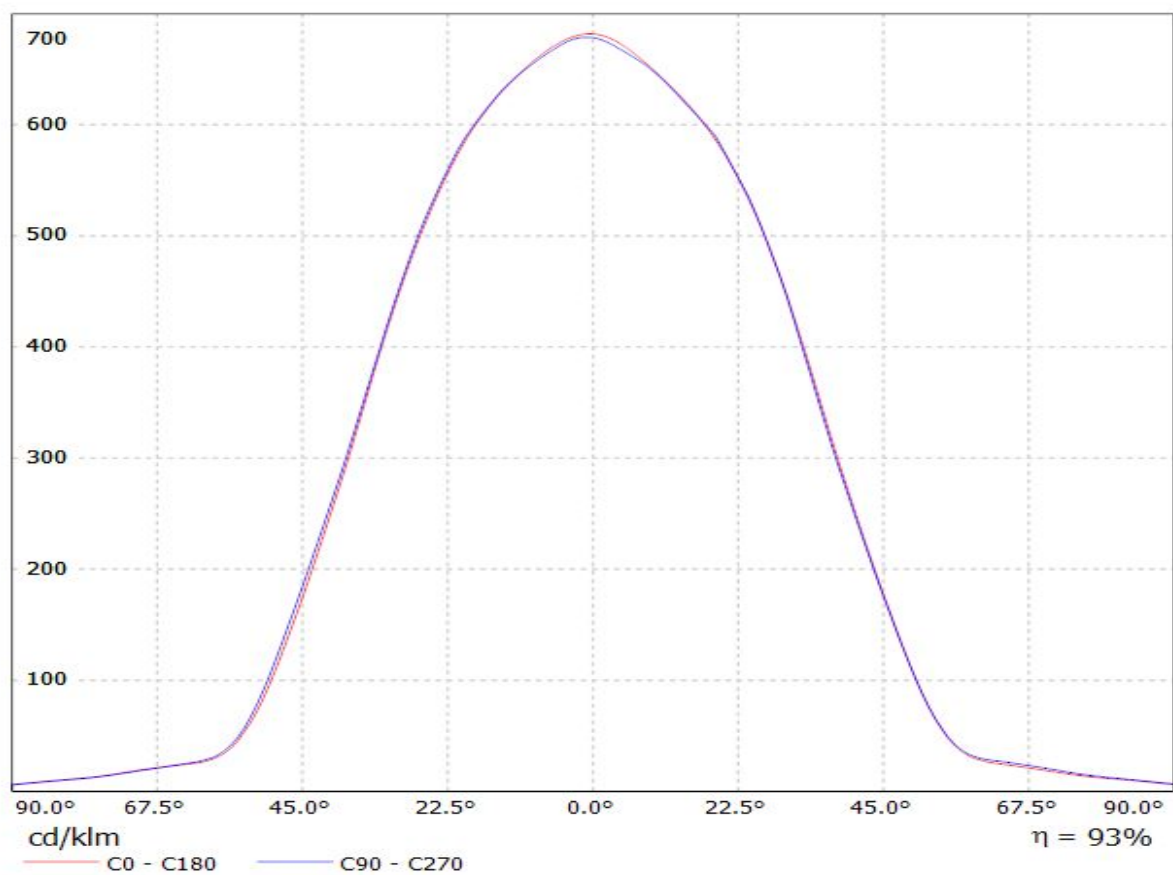
Luminaire: Ledil FN14074\_STELLA-HB\_(CoB\_1211)\_(431\_Typ\_L3)

Lamps: 1 x Luxeon\_CoB\_1211\_(LHC1-2790-1211)\_952.748lm@250mA\_P=8W\_I=0.25A



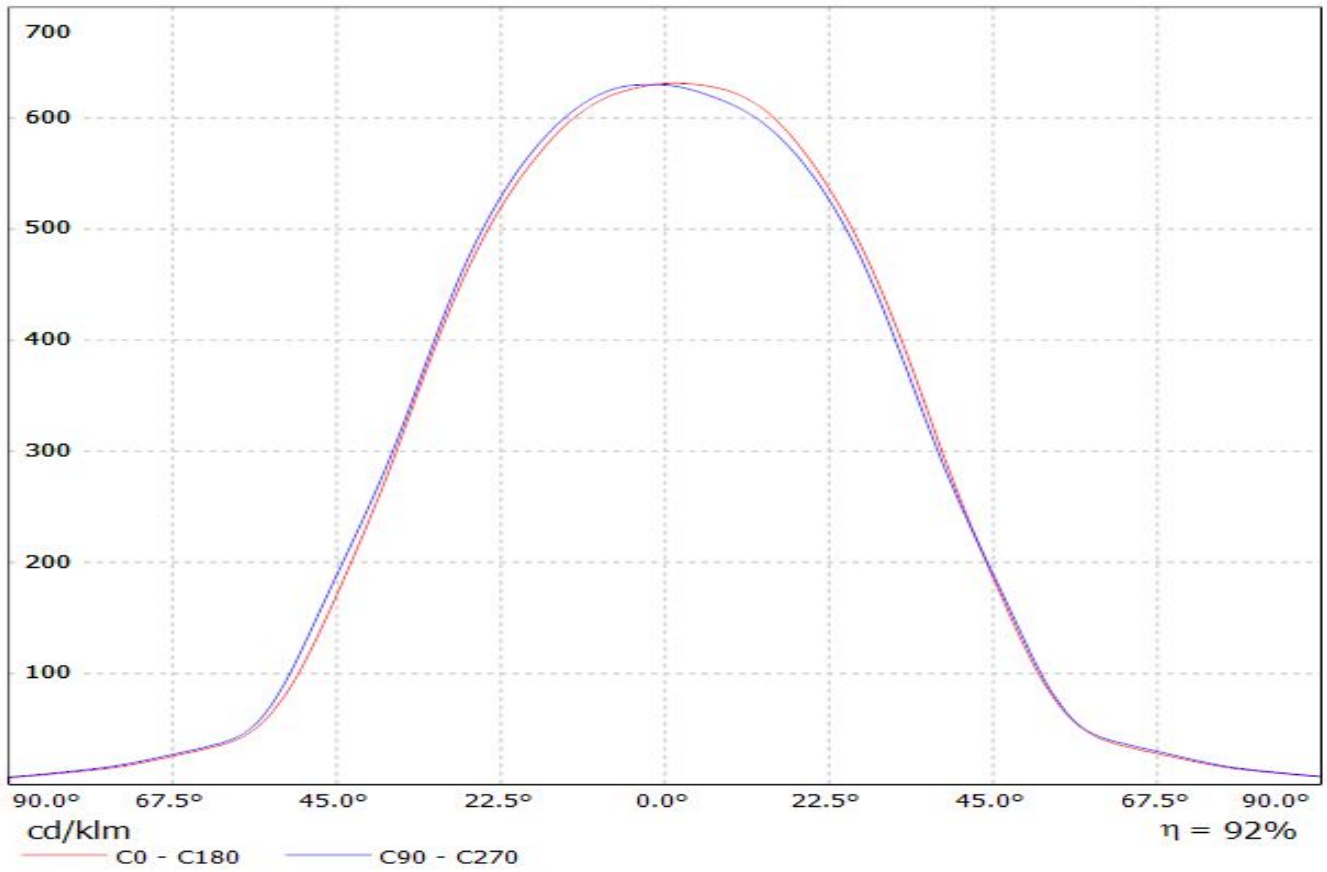
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXA3590)

Lamps: 1 x Cree\_CXA3590\_(CXA3590-30F-BD-R0H-0002)\_2639.65lm@250mA\_CCT=3000K\_P=16.3039W\_I=249.8mA

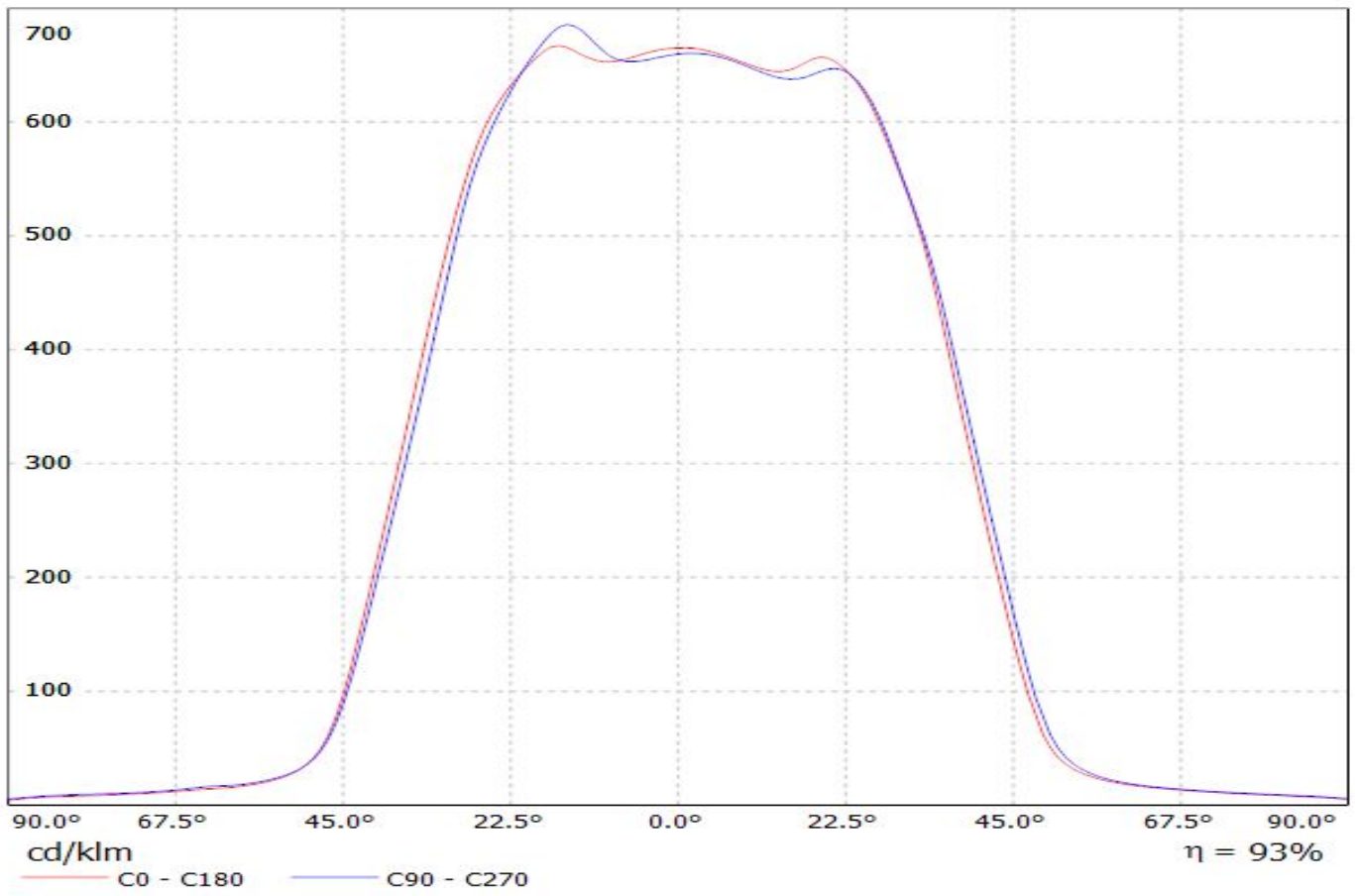


Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CLL050) Eff.92.5%

Lamps: 1 x CITIZEN\_CLL050\_(1825A1-50KL1A1)\_1941.5lm@250mA\_CCT=5000K\_P=11.9872W\_I=249.8mA

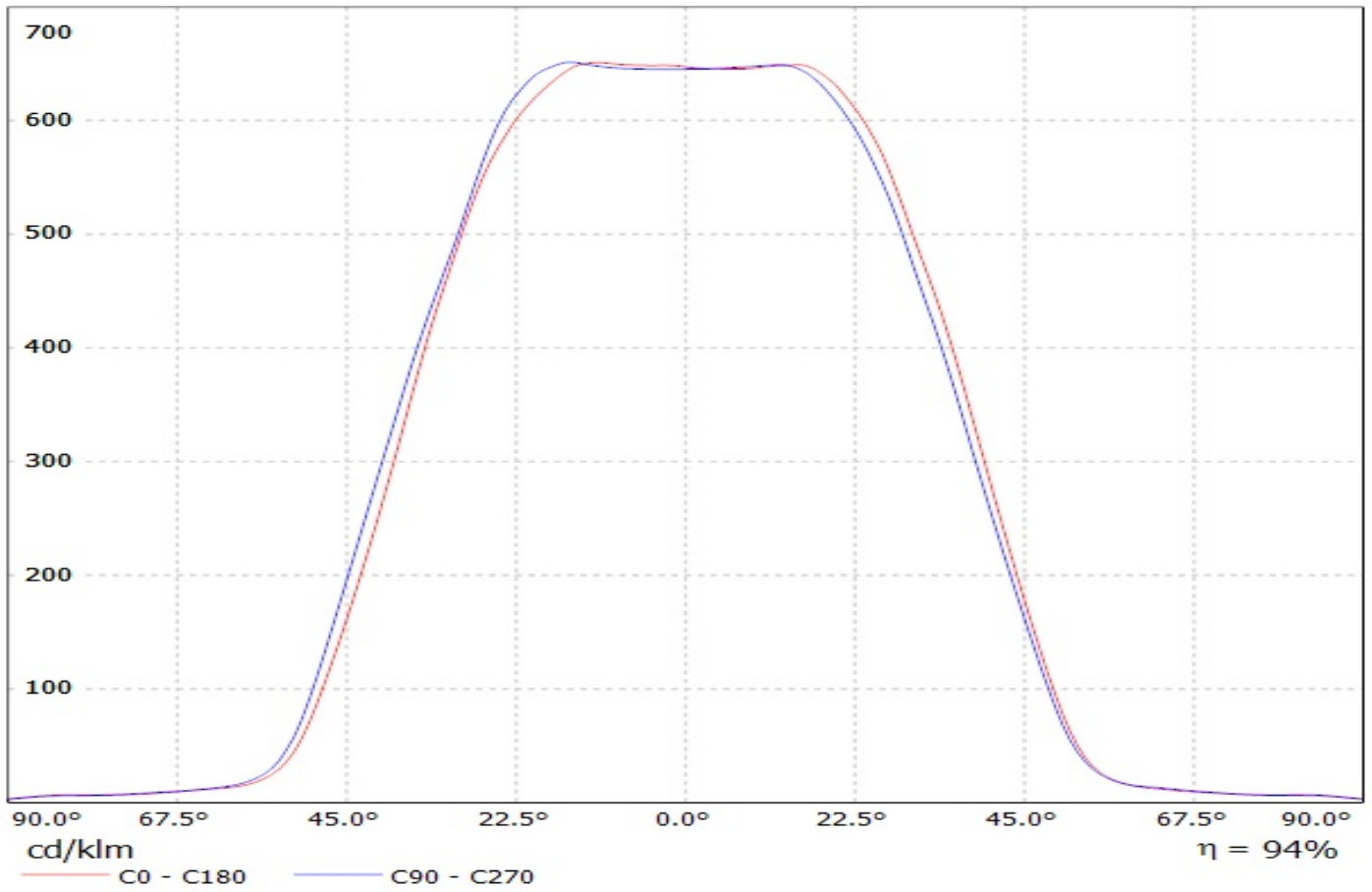


Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(VERO18) Eff.93%  
Lamps: 1 x VERO18\_(BXRC30E4000F)\_904.503lm@250mA P=6.79928W I=249.9mA



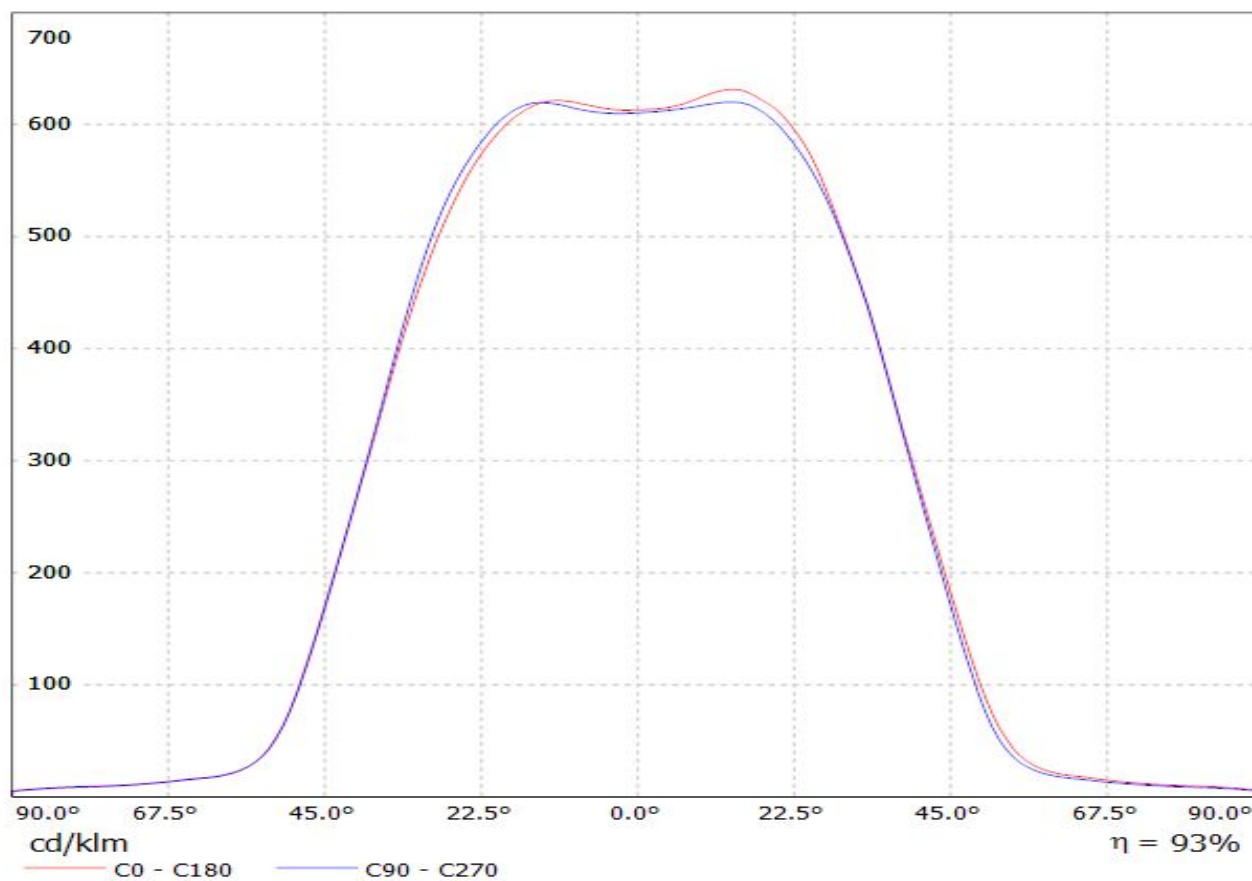
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CLU046)

Lamps: 1 x Citizen\_CLU046\_1354.66lm@250mA\_P=8.06877W\_I=0.2499A

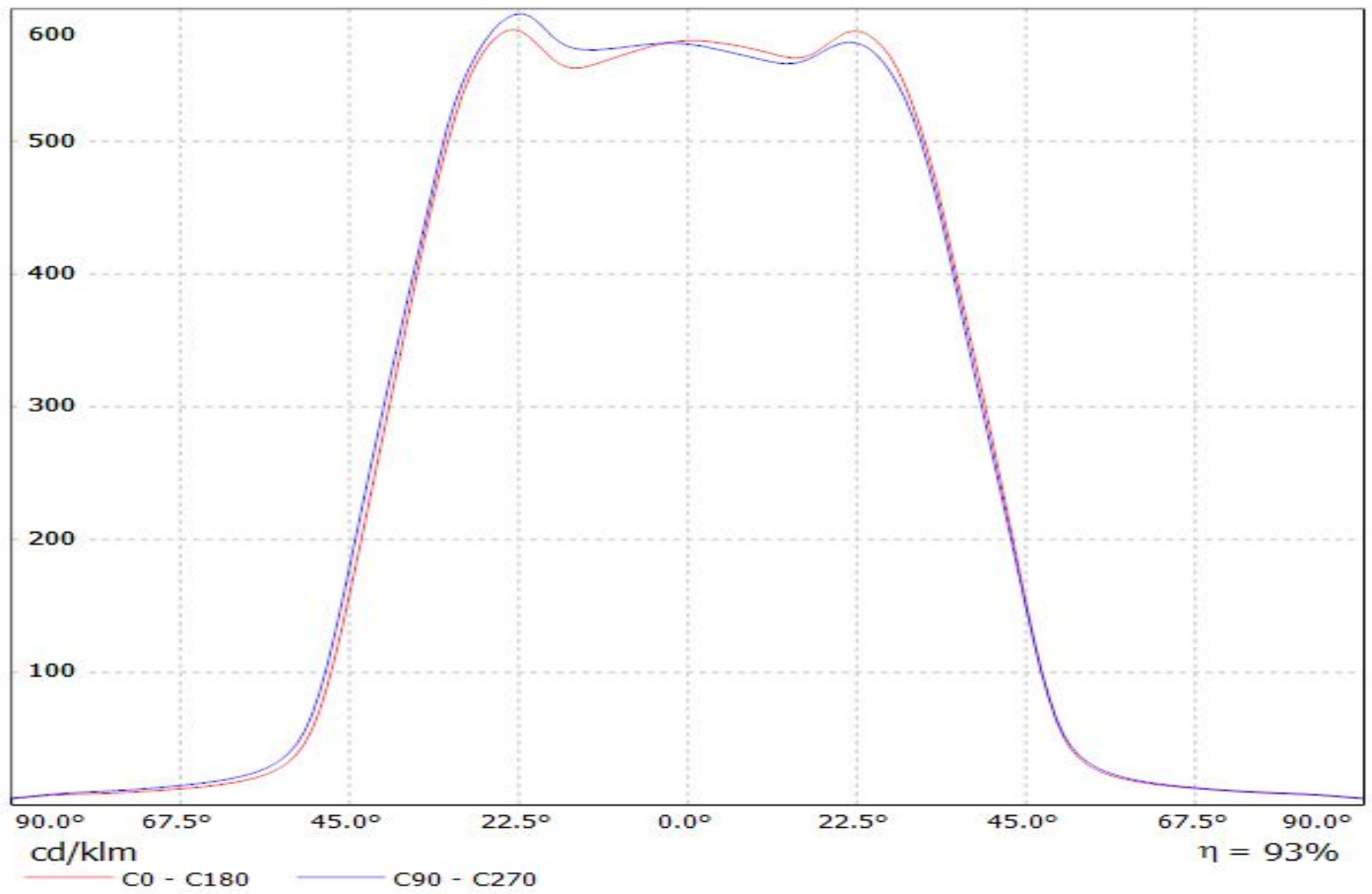


Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXA3050)

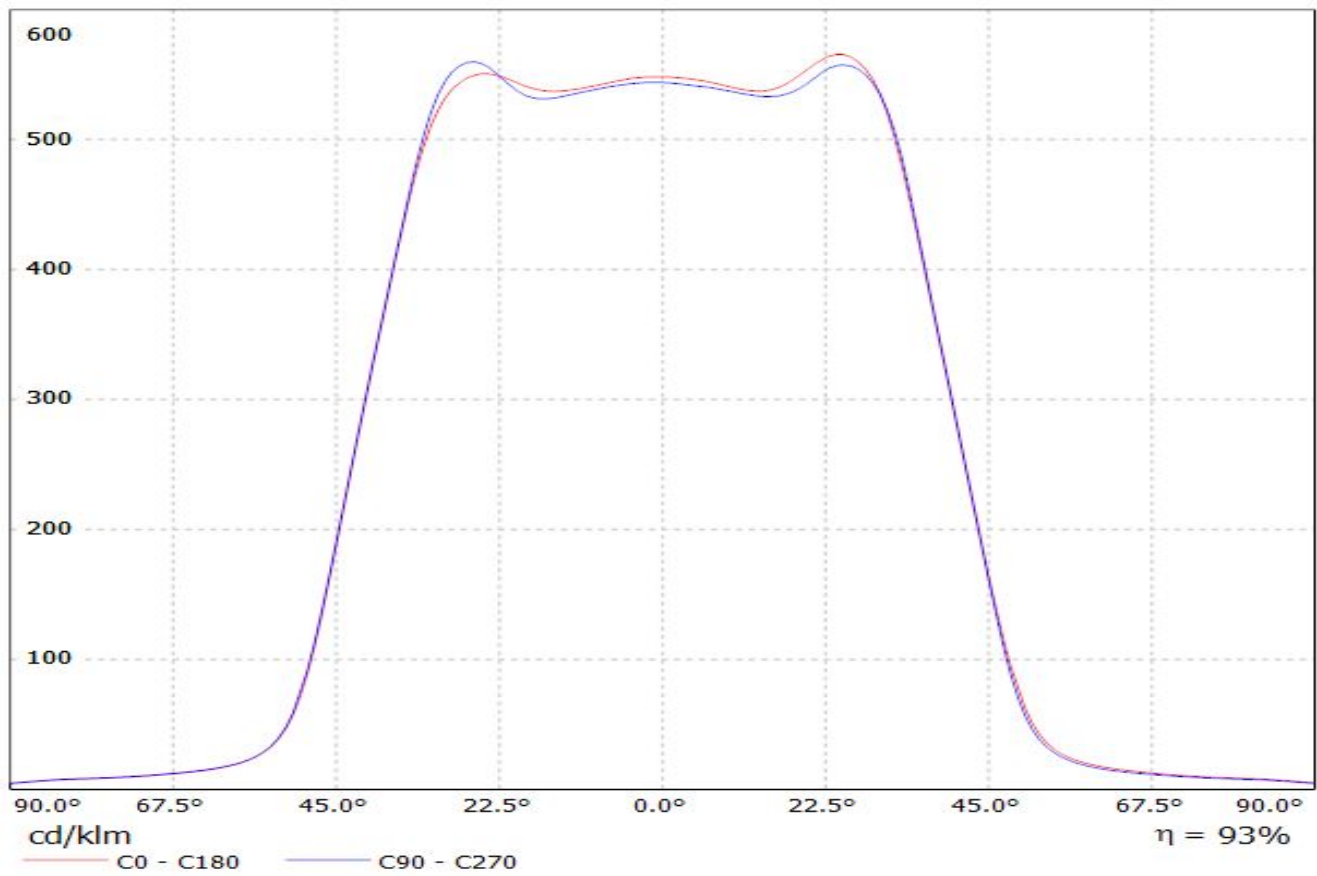
Lamps: 1 x Cree\_CXA30\_(CXA3050-3C0-Y2-N0H)\_1369.14lm@250mA\_CCT=5000K\_P=8.14498W\_I=249.8mA



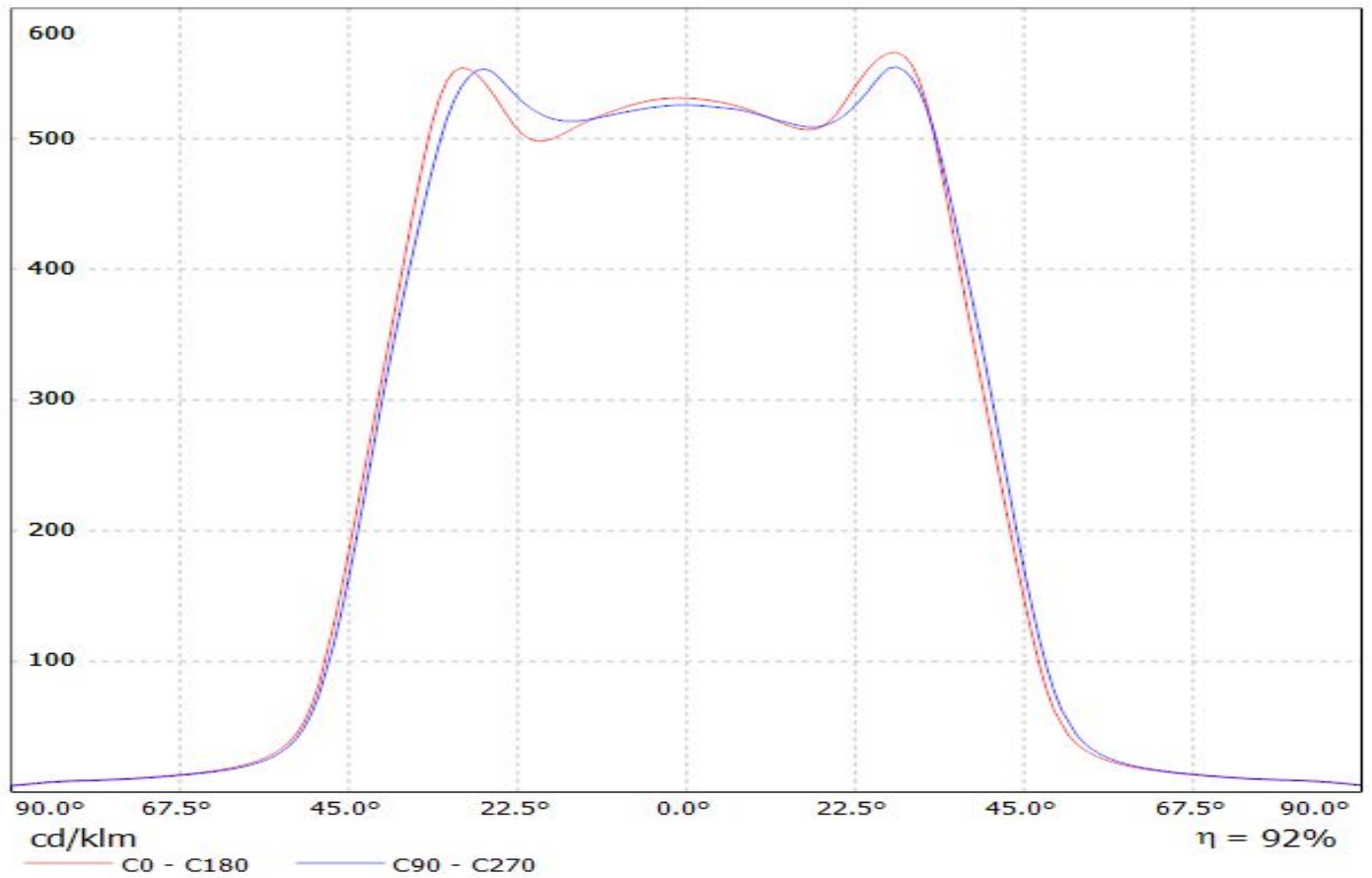
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXM-18) Eff.92.8%  
Lamps: 1 x LUMINUS\_XNOVA\_CXM-18\_897.842lm@250mA\_P=8.12425W\_I=249.9mA



Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXA25)  
Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U)\_872.554lm@250mA\_CCT=3000K\_P=8.53567W\_I=249.8mA

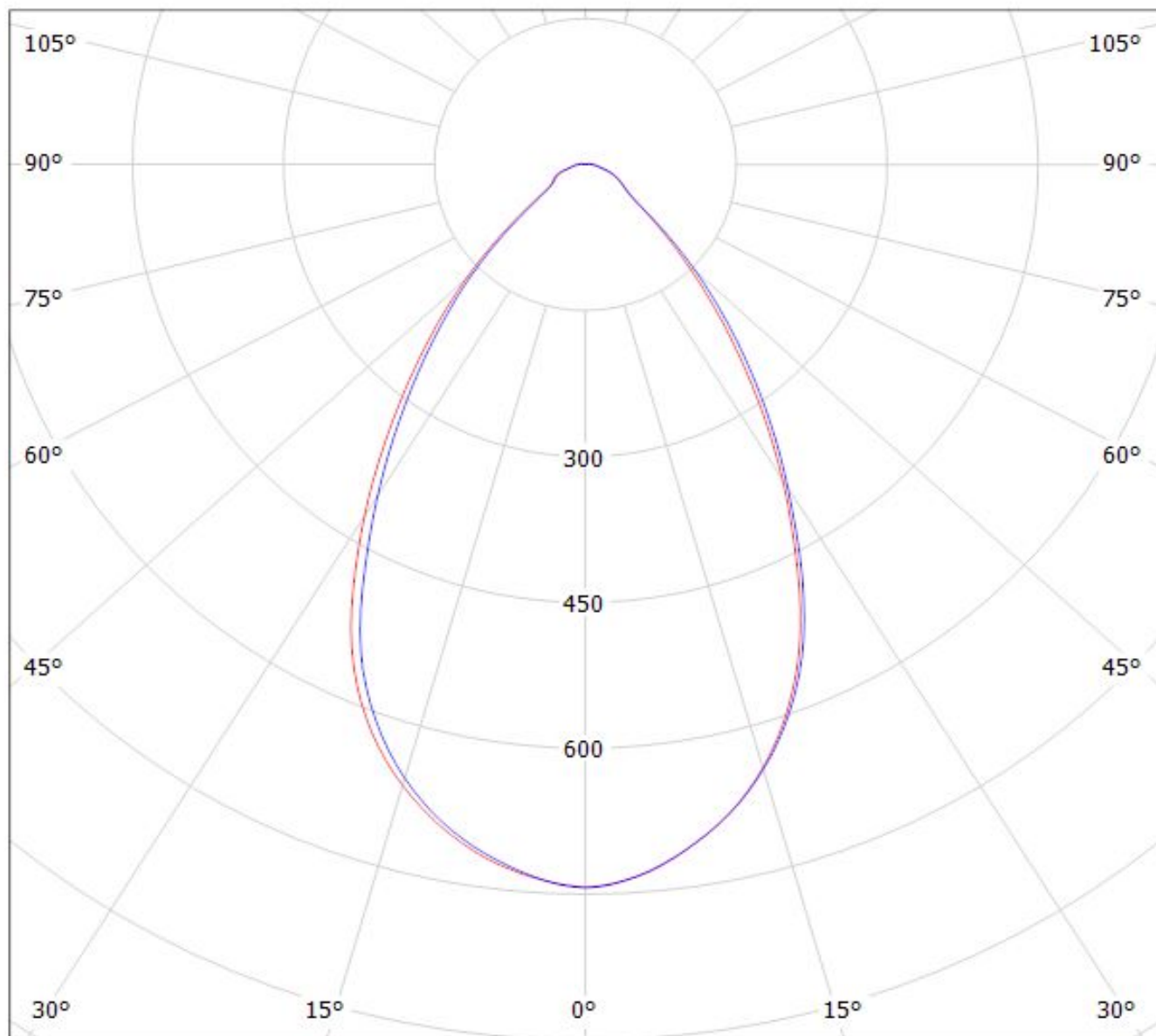


Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(SOLERIQ\_S19) Eff.92.3%  
Lamps: 1 x OSRAM\_SOLERIQ\_S19\_(GW\_KAHJB1.EM)  
\_1401.57lm@250mA\_CCT=3000K\_P=10.4274W\_I=249.8mA



Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CLL050)

Lamps: 1 x CLL050+\_B+W\_458\_Typ\_L4\_1471.17lm@250mA\_P=12.0411W\_I=250mA



cd/klm

— C0 - C180

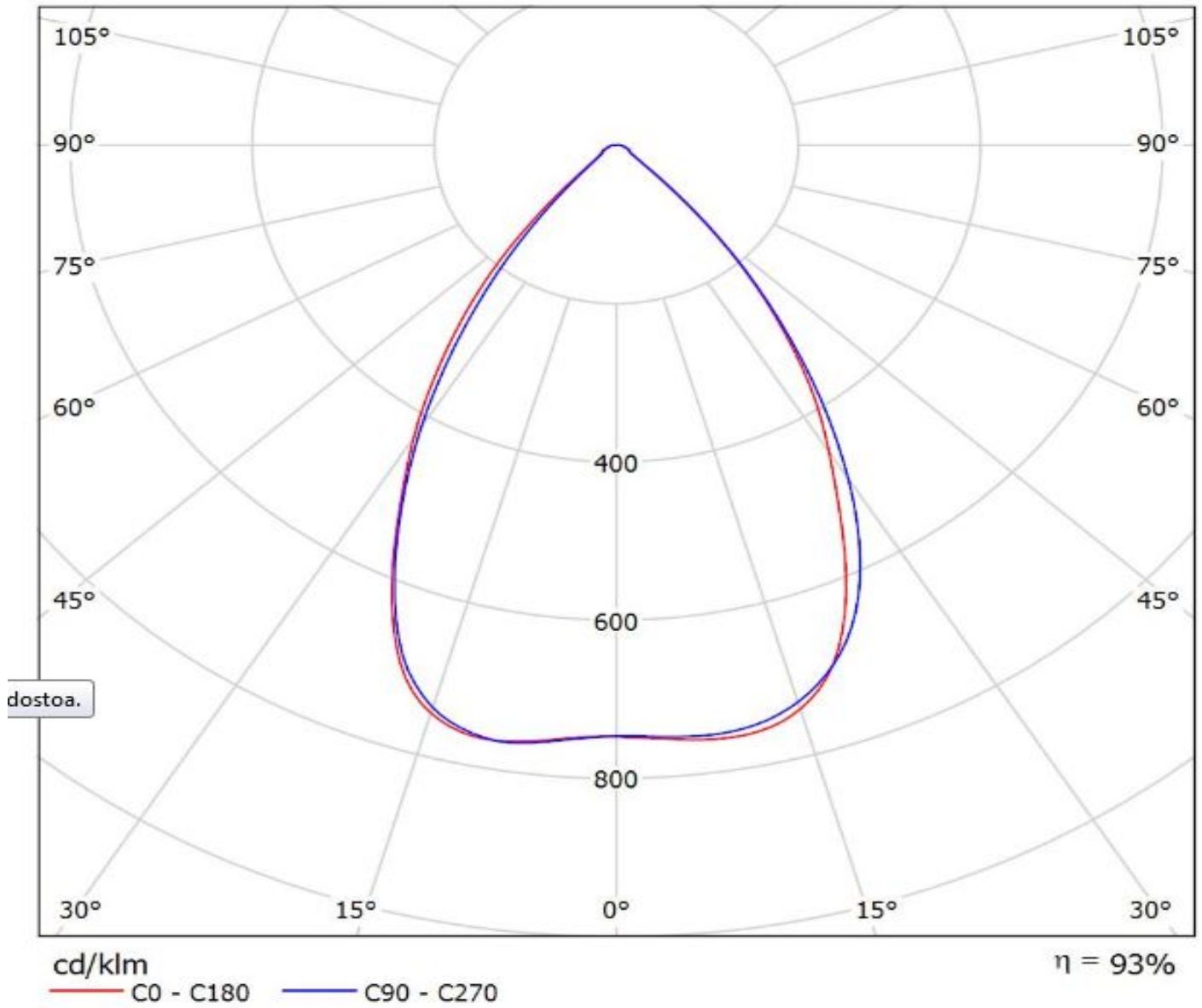
— C90 - C270

$\eta = 94\%$

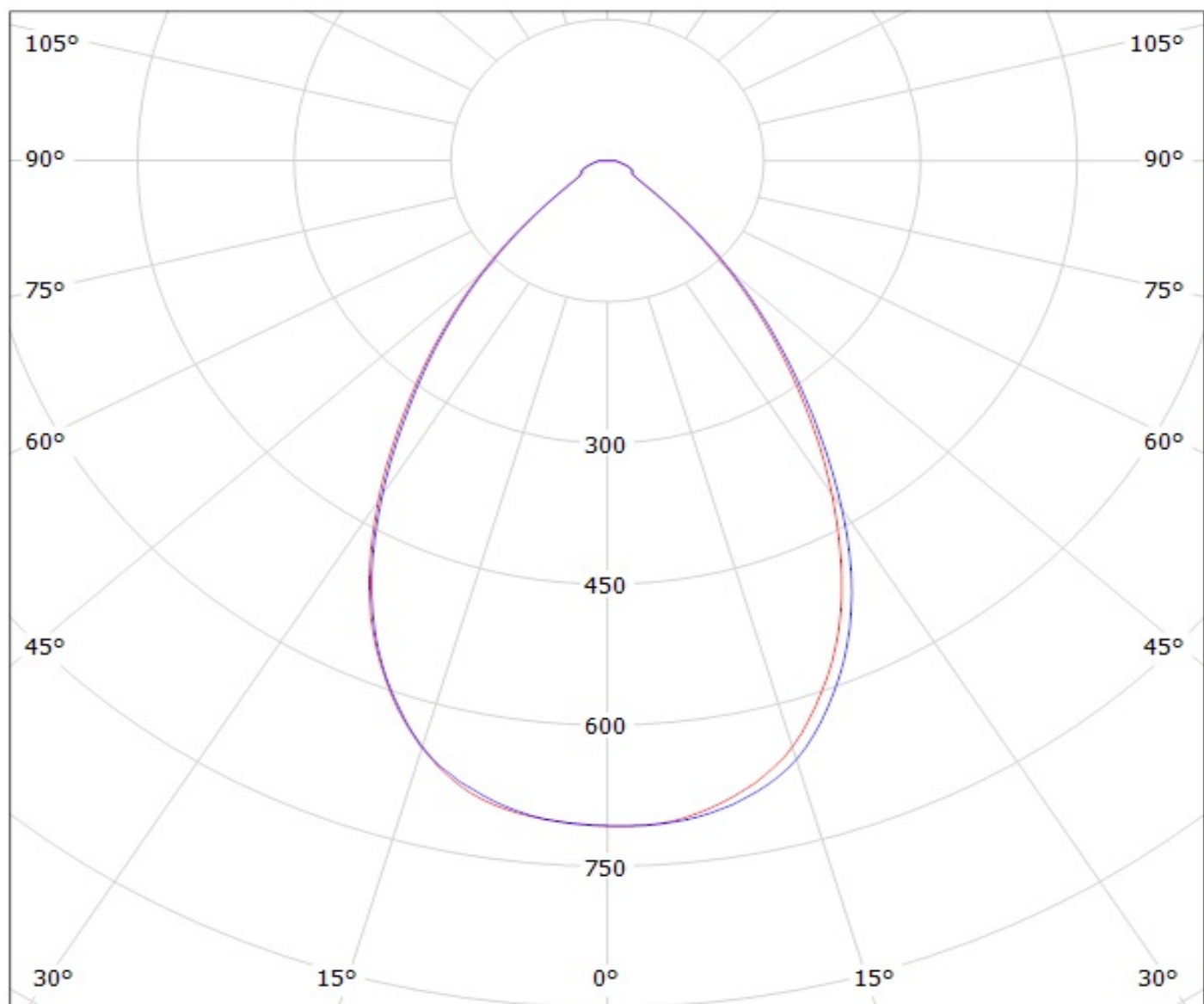
# Ledil FN14074\_STELLA-HB\_(CLU044)\_(431\_Typ\_L3) / LDC (Polar)

Luminaire: Ledil FN14074\_STELLA-HB\_(CLU044)\_(431\_Typ\_L3)

Lamps: 1 x Citizen\_CLU044\_(CLU044-1212B8-303M1A2)\_1334.99lm@250mA\_P=8.16W\_I=0.25A



Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(VERO29)  
Lamps: 1 x Bridgelux\_VERO29\_(BXRC-50C10K0-L-04)  
\_568.615lm@100mA\_CCT=4910K\_P=3.4015W\_I=100.1mA



cd/klm

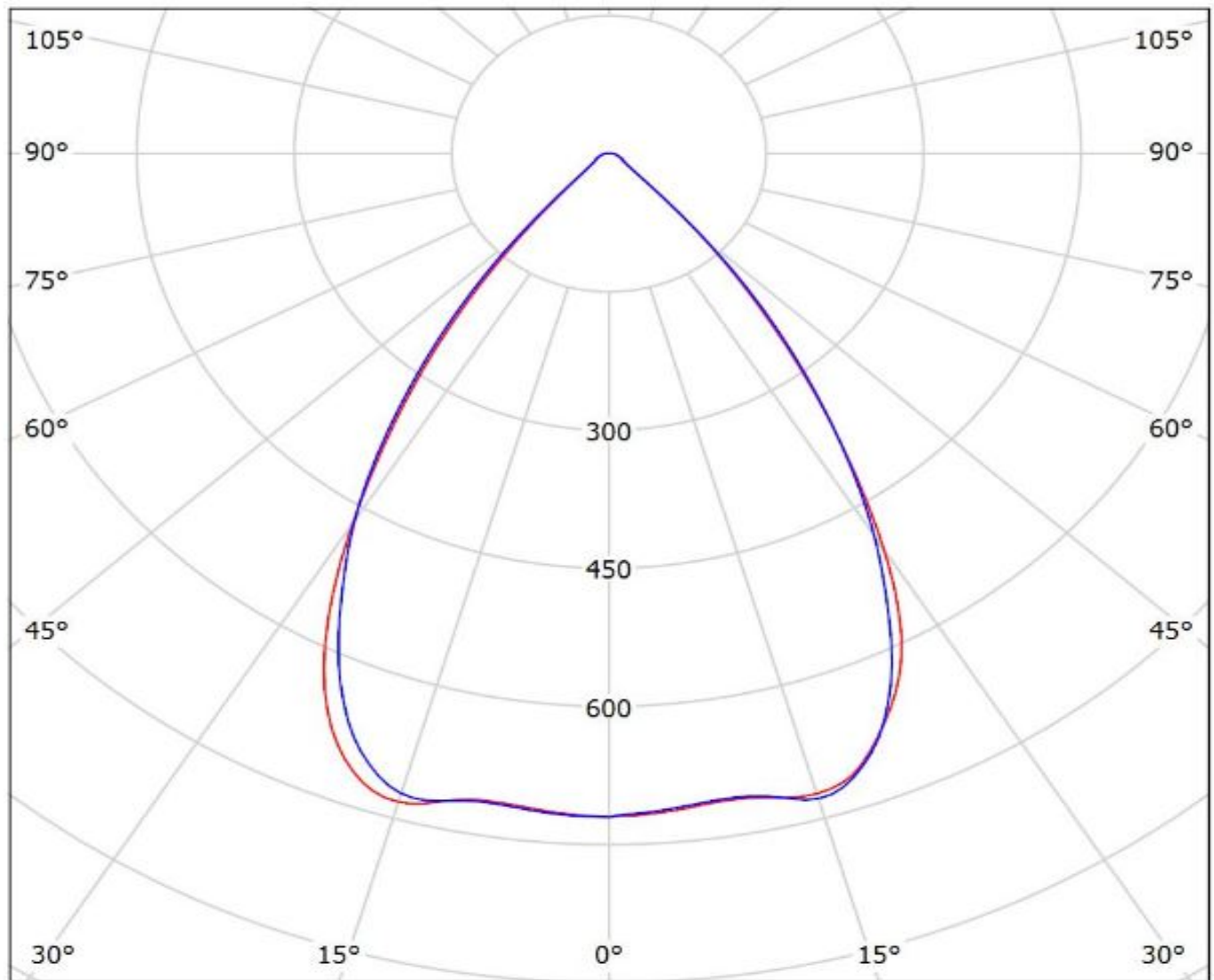
— C0 - C180    — C90 - C270

$\eta = 94\%$

# Ledil FN14074\_STELLA-HB\_(CoB\_1211)\_(431\_Typ\_L3) / LDC (Polar)

Luminaire: Ledil FN14074\_STELLA-HB\_(CoB\_1211)\_(431\_Typ\_L3)

Lamps: 1 x Luxeon\_CoB\_1211\_(LHC1-2790-1211)\_952.748lm@250mA\_P=8W\_I=0.25A



cd/klm

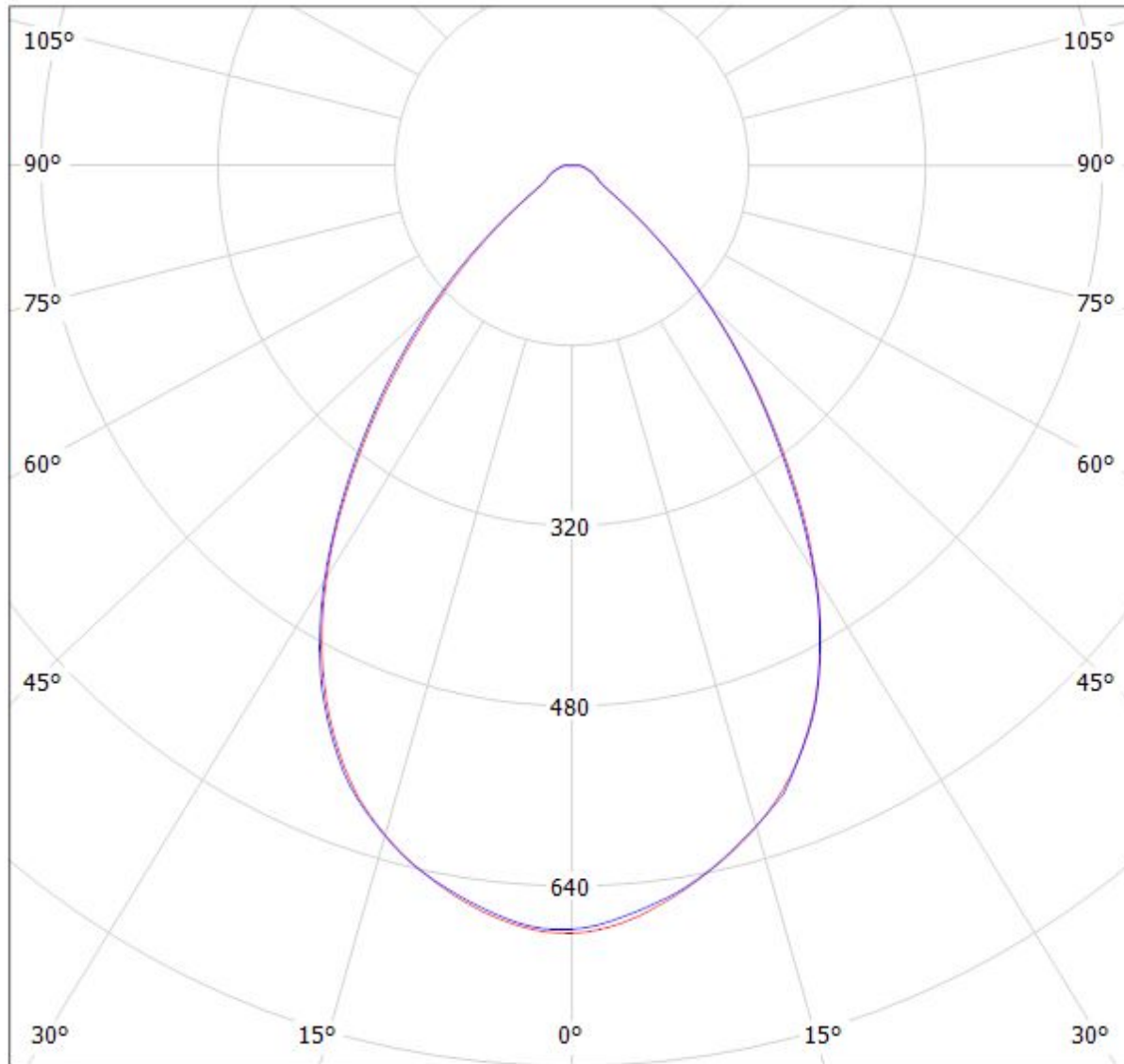
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXA3590)

Lamps: 1 x Cree\_CXA3590\_(CXA3590-30F-BD-R0H-0002)\_2639.65lm@250mA\_CCT=3000K\_P=16.3039W\_I=249.8mA



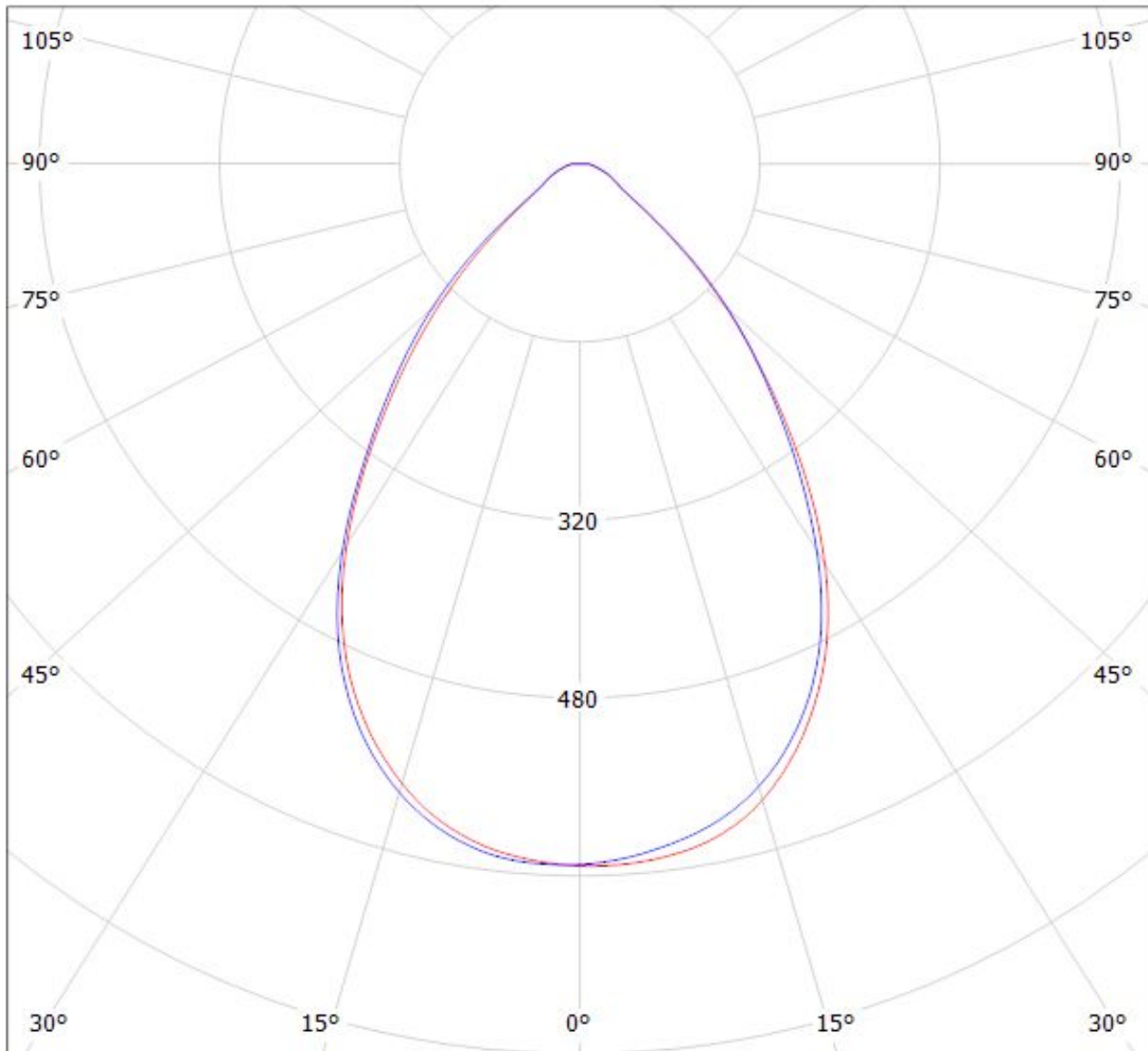
cd/klm

— C0 - C180 — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CLL050) Eff.92.5%

Lamps: 1 x CITIZEN\_CLL050\_(1825A1-50KL1A1)\_1941.51lm@250mA\_CCT=5000K\_P=11.9872W\_I=249.8mA



cd/klm

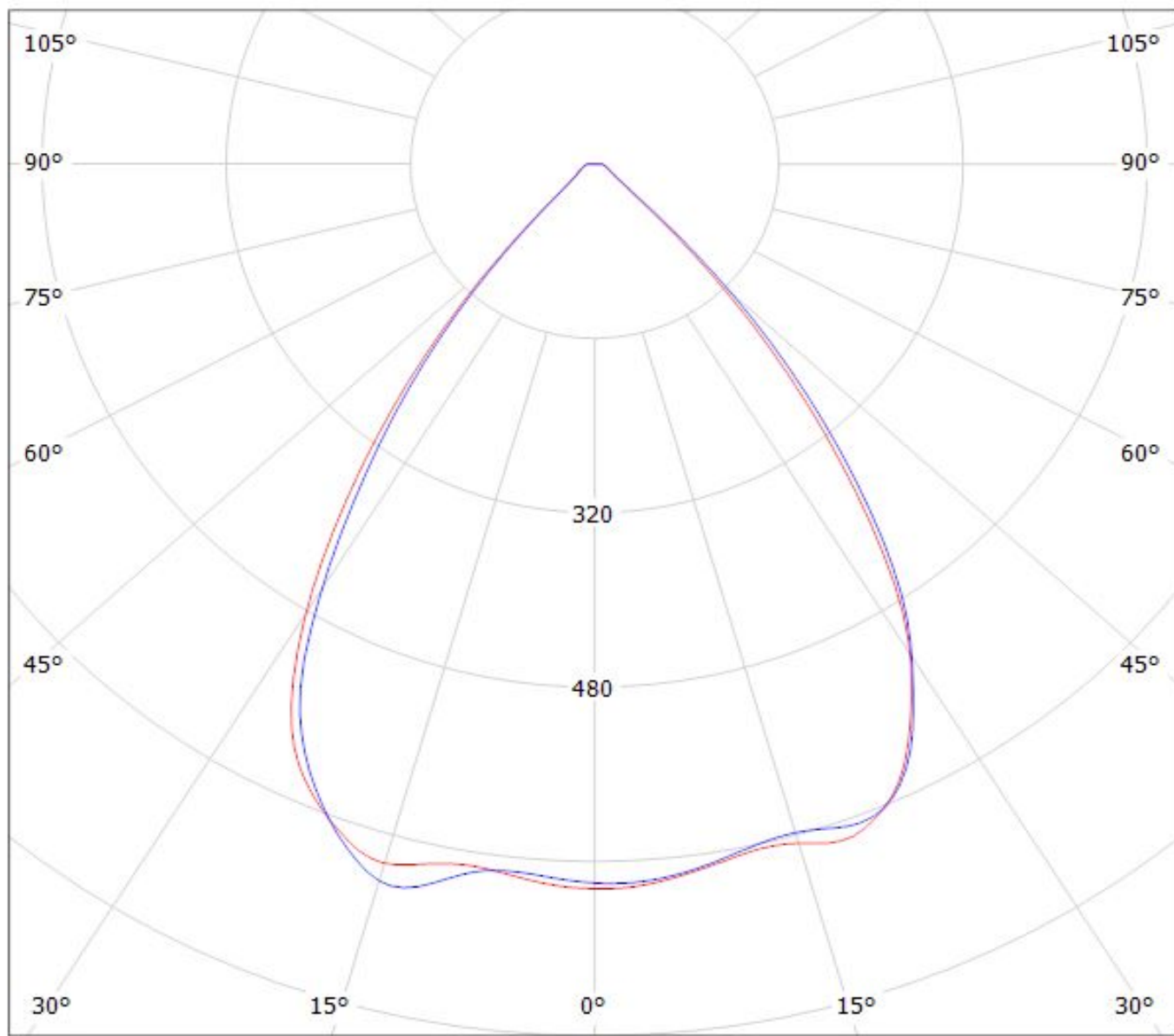
— C0 - C180

— C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(VERO18) Eff.93%

Lamps: 1 x VERO18\_(BXRC30E4000F)\_904.503lm@250mA P=6.79928W I=249.9mA



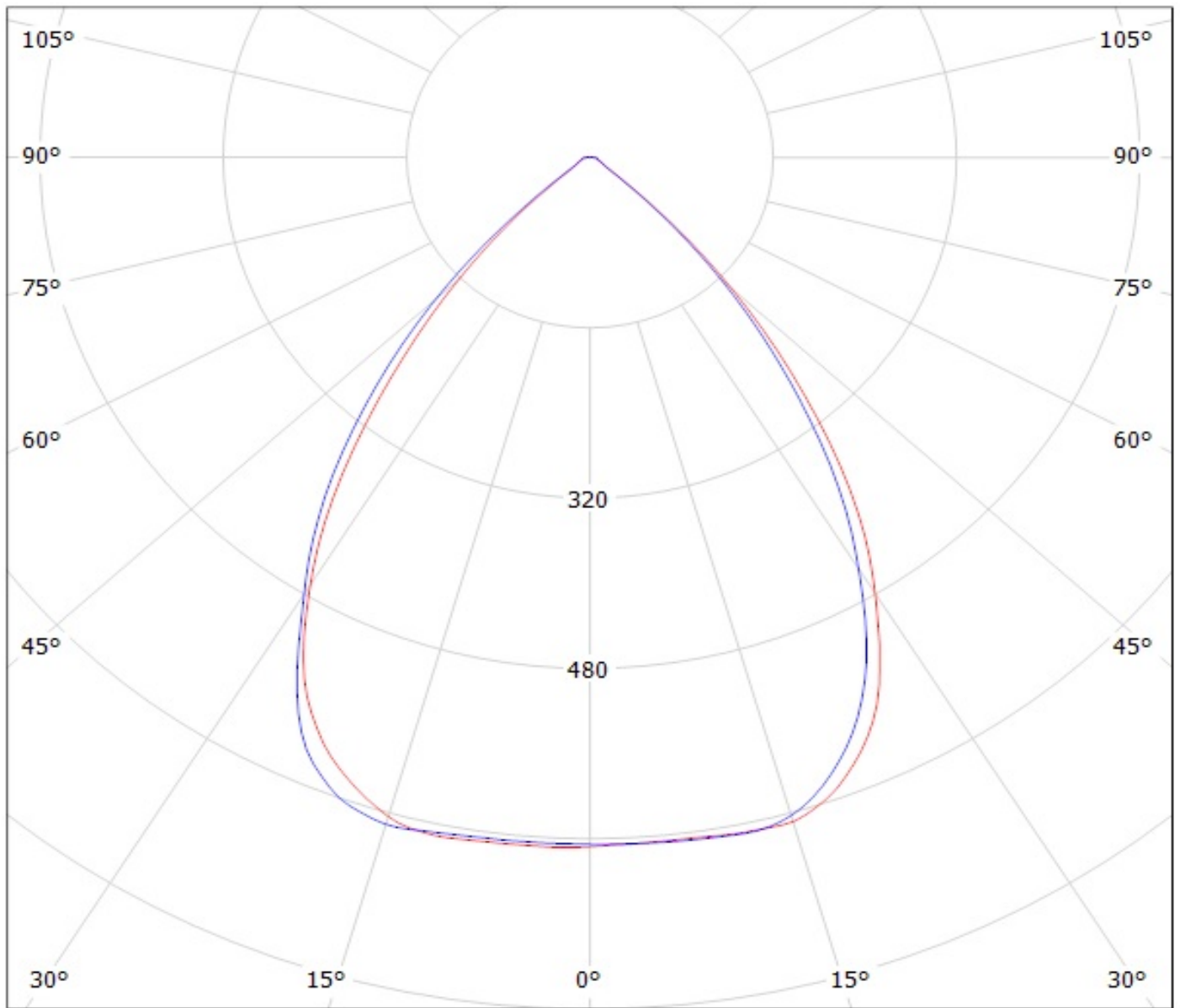
cd/klm

— C0 - C180    — C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CLU046)

Lamps: 1 x Citizen\_CLU046\_1354.66lm@250mA\_P=8.06877W\_I=0.2499A



cd/klm

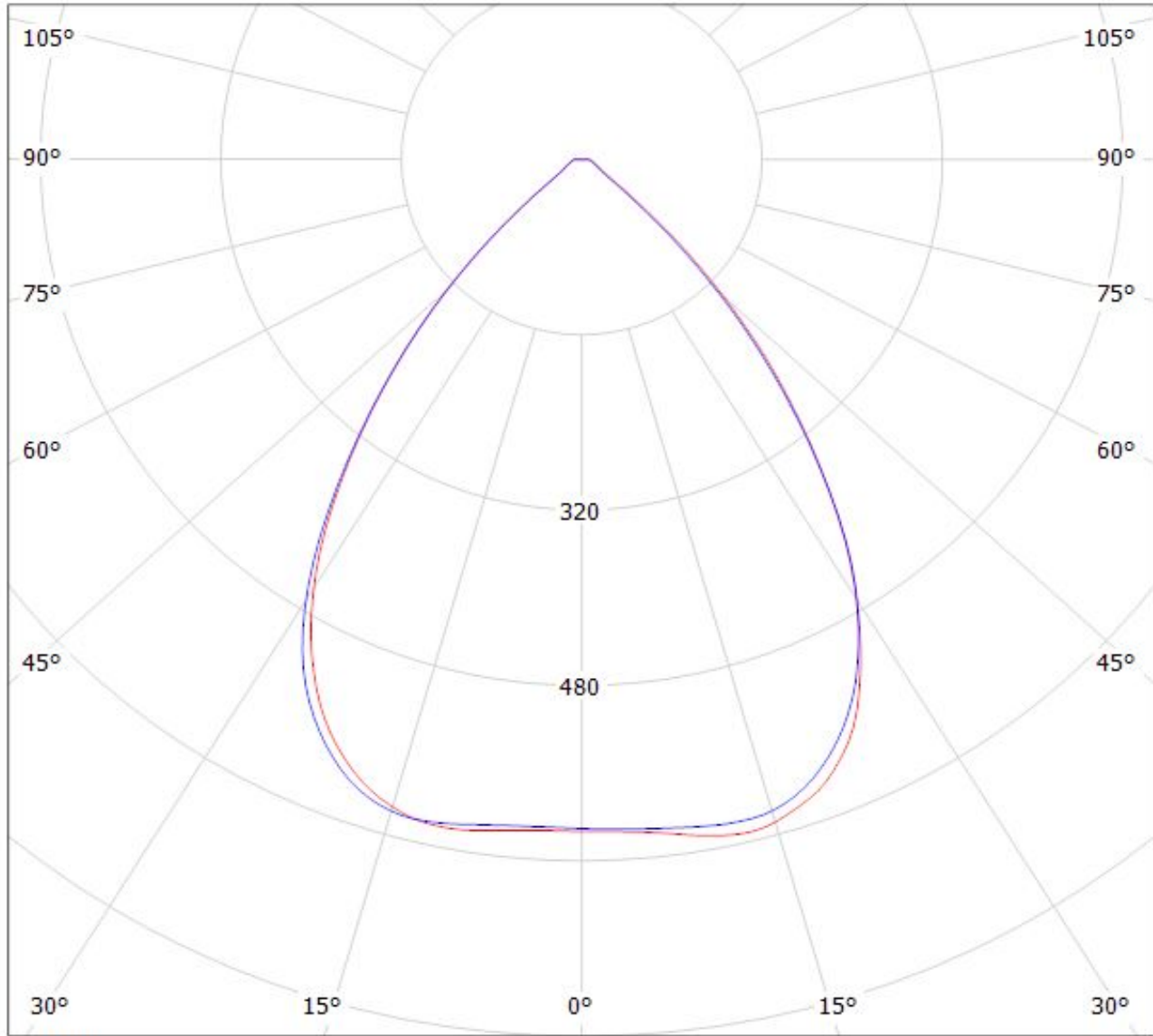
— C0 - C180

— C90 - C270

$\eta = 94\%$

Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXA3050)

Lamps: 1 x Cree\_CXA30\_(CXA3050-3C0-Y2-N0H)\_1369.14lm@250mA\_CCT=5000K\_P=8.14498W\_I=249.8mA



cd/klm

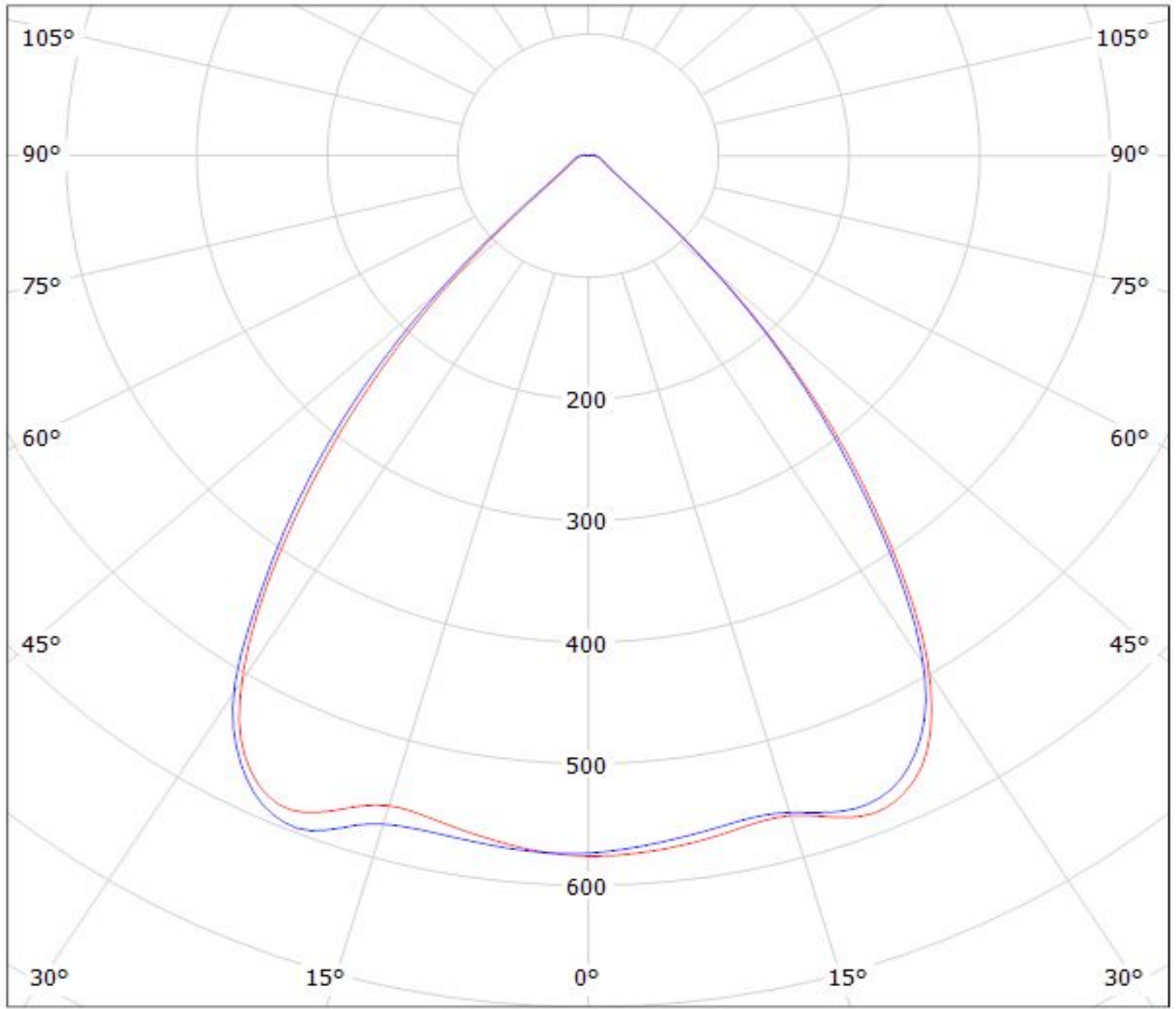
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXM-18) Eff.92.8%

Lamps: 1 x LUMINUS\_XNOVA\_CXM-18\_897.842lm@250mA\_P=8.12425W\_I=249.9mA



cd/klm

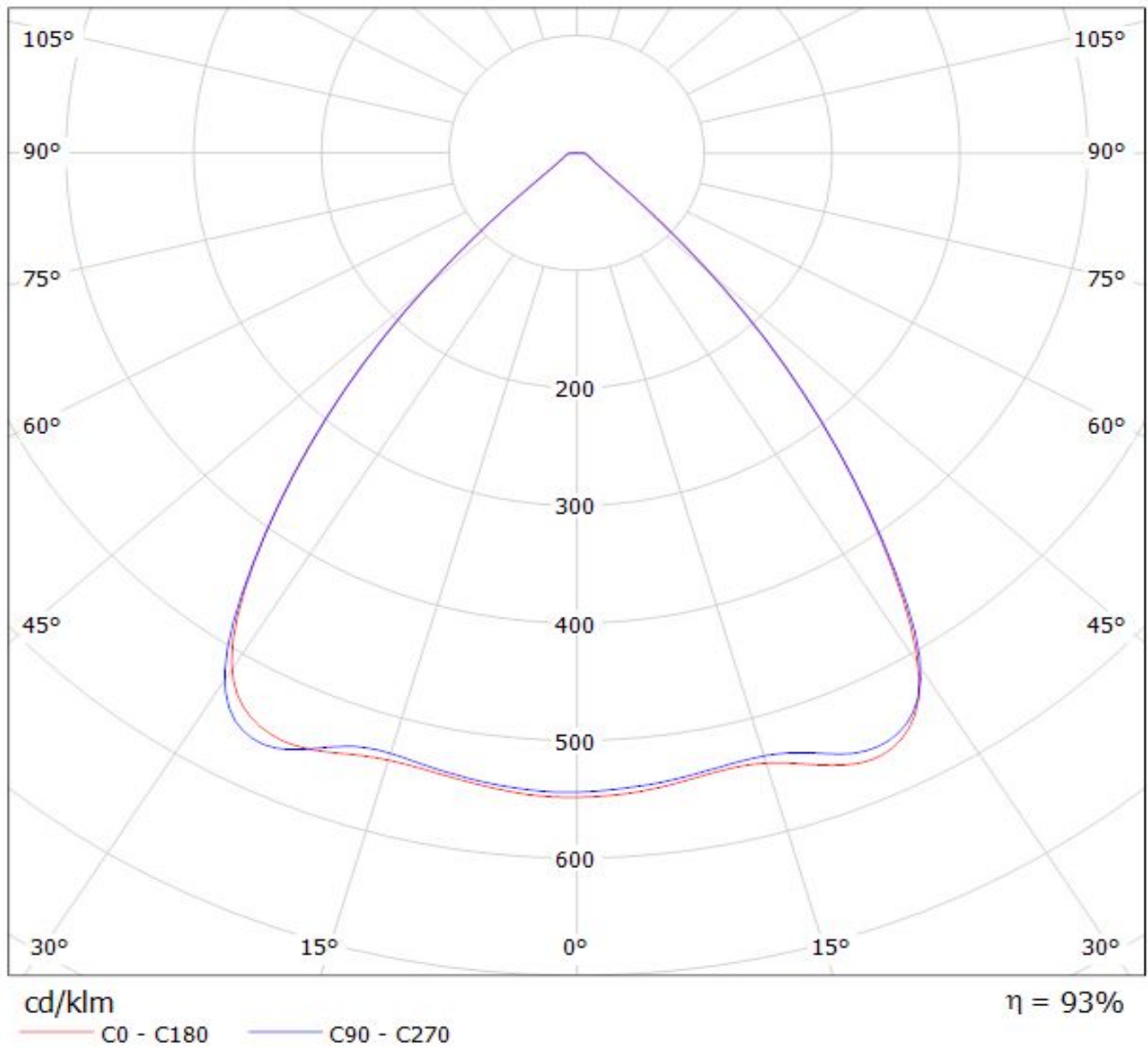
— C0 - C180

— C90 - C270

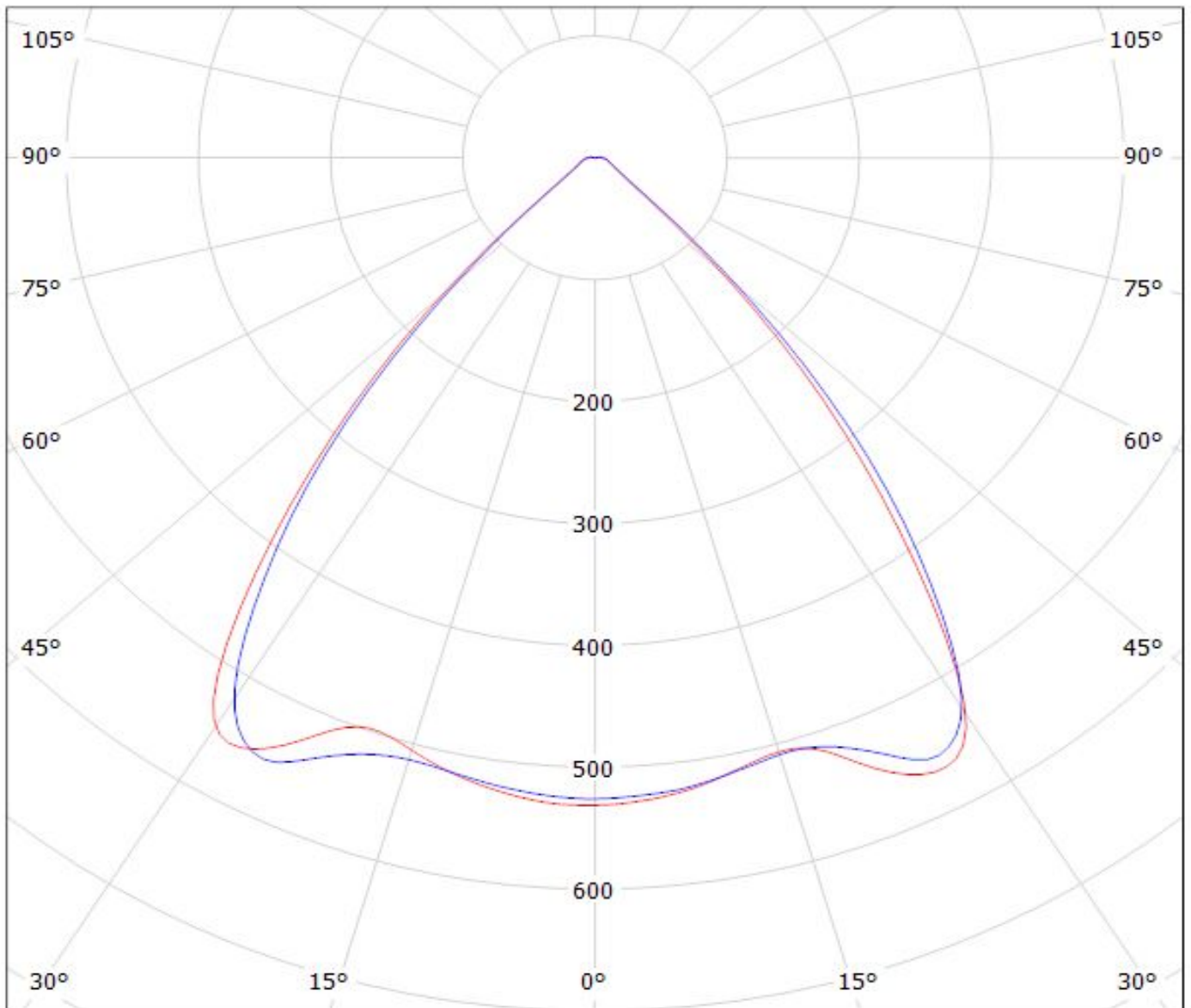
$\eta = 93\%$

Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXA25)

Lamps: 1 x CREE\_CXA25\_(2520-7A-N4-N0U)\_872.554lm@250mA\_CCT=3000K\_P=8.53567W\_I=249.8mA



Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(SOLERIQ\_S19) Eff.92.3%  
Lamps: 1 x OSRAM\_SOLERIQ\_S19\_(GW\_KAHJB1.EM)  
\_1401.57lm@250mA\_CCT=3000K\_P=10.4274W\_I=249.8mA



cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

**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.**

### **GENERAL INFORMATION**

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.

Note! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.