

## DETAILS

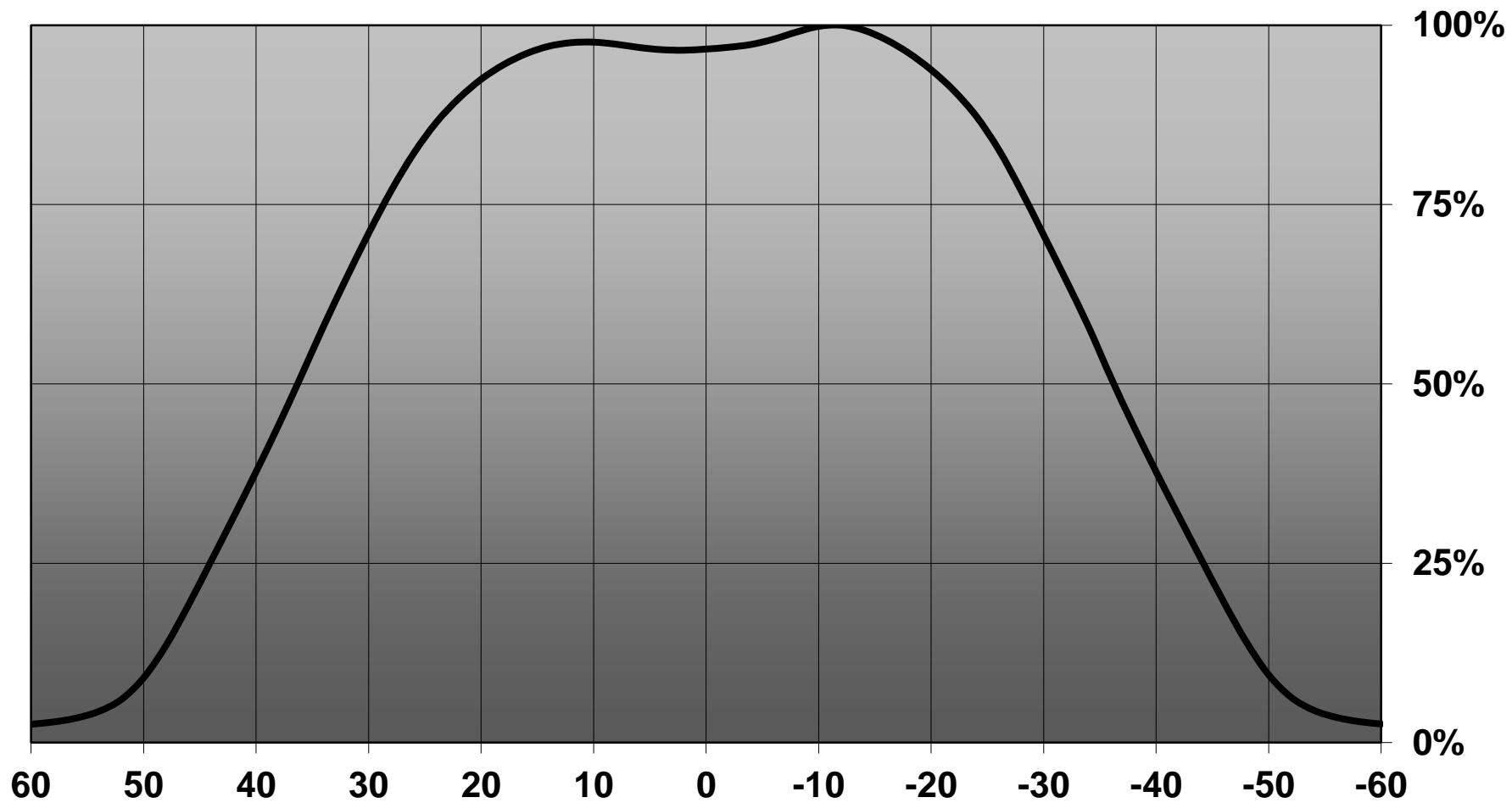
<b>Product Number</b>	FN14074_STELLA-HB
<b>Family</b>	STELLA
<b>Type</b>	Pack
<b>Color</b>	black
<b>Diameter</b>	90 mm
<b>Height</b>	19,5 mm
<b>Style</b>	round
<b>Optic Material</b>	Silicone
<b>Holder Material</b>	
<b>Fastening</b>	screw
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	21/09/2016



## OPTICAL PROPERTIES

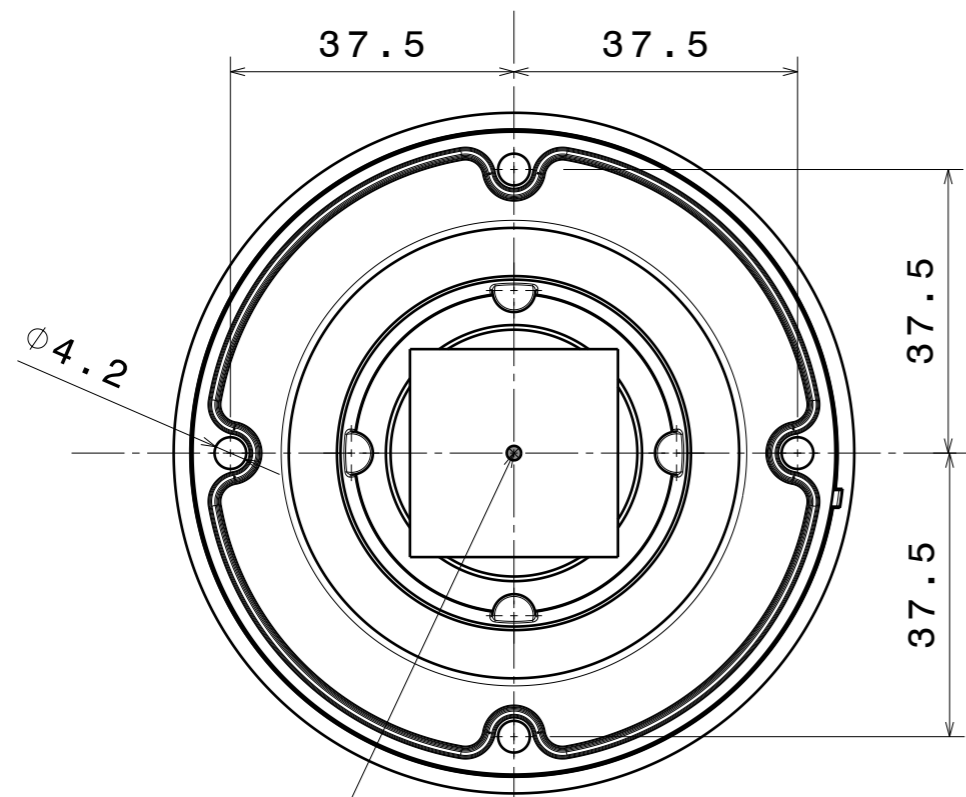
LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
VERO18	75 deg	HighBay	93 %	0.700	-
VERO29	69 deg	HighBay	94 %	0.708	-
V22 Gen7	sim: 68	HighBay	sim: 94 %	sim: 0.853	Bender Wirth: 431 Typ L4
CLL04x/CLU04x	77 deg	HighBay	94 %	0.650	-
CLL05x/CLU05x	73 deg	HighBay	93 %	0.630	-
CLL05x/CLU05x	65 deg	HighBay	94 %	0.740	Bender Wirth: 458 Typ L4
CLL04x/CLU04x	68 deg	HighBay	93 %	0.770	Bender Wirth: 431 Typ L3
CXA/B 30xx	78 deg	HighBay	93 %	0.630	-
CXA/B 25xx	83 deg	HighBay	93 %	0.566	-
CXA/B 3590	72 deg	HighBay	93 %	0.682	-
LUXEON CoB 1211	71 deg	HighBay	93 %	0.730	-
LUXEON CoB 1216	72 deg	HighBay	94 %	0.720	-
CXM-18	80 deg	HighBay	93 %	0.600	-
CXM-22	73 deg	HighBay	93 %	0.700	-
Soleriq S19	84 deg	HighBay	92 %	0.570	-

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



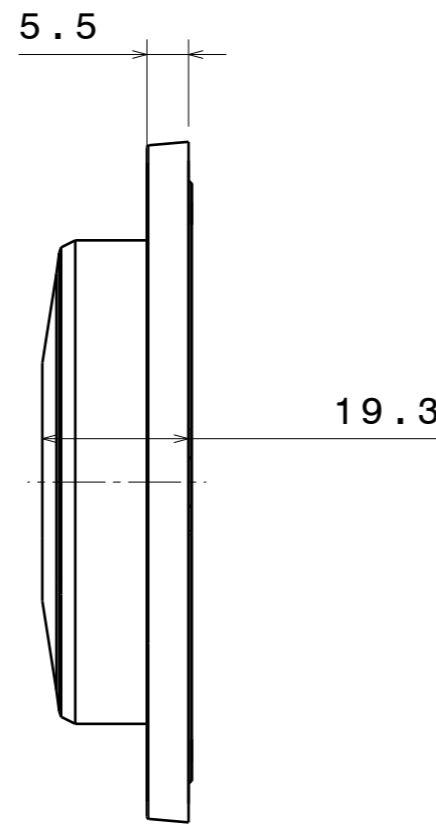
— 1: 0-180

NOTE: Maximum recommended tightening torque for STELLA-FRAME is 0,4Nm

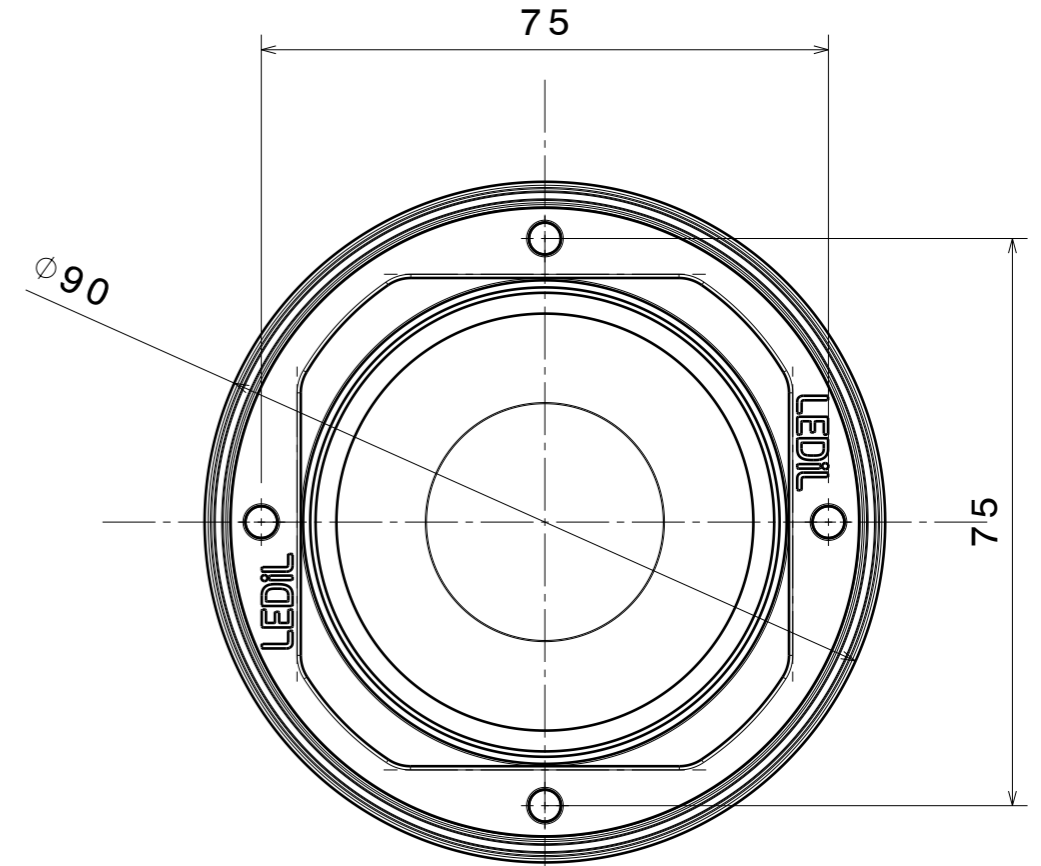


LED Center position

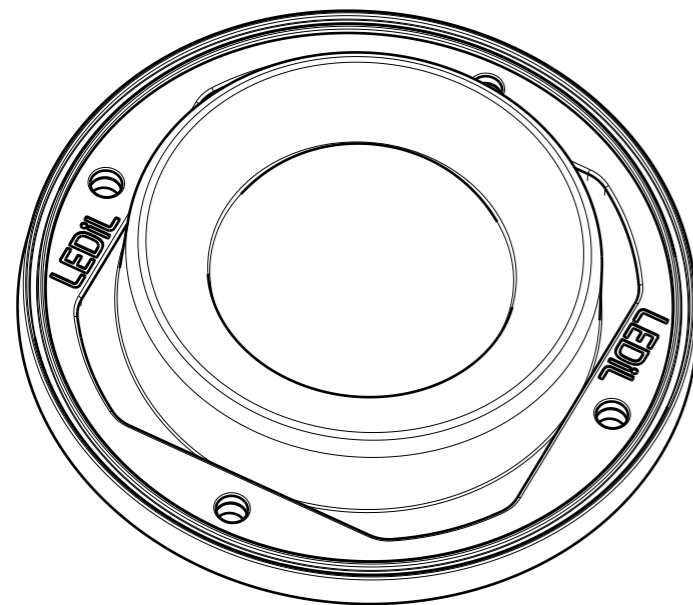
Bottom view



Right view



Front view



Isometric view

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

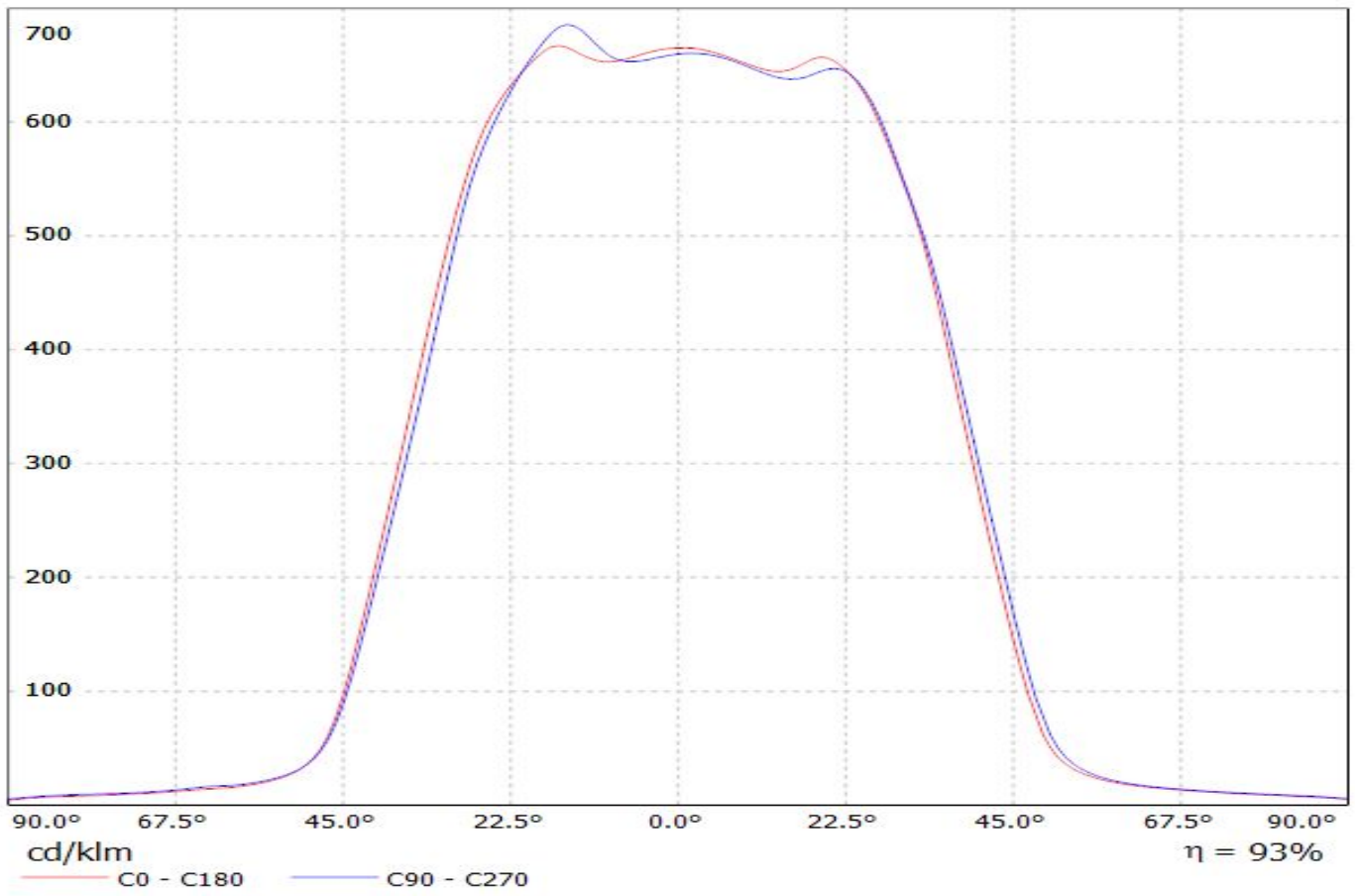
Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures: class V  
Please note that due to the elasticity of products made of silicone actual measured values may vary, and therefore typical tolerance values may not be applied.

THIRD ANGLE PROJECTION:

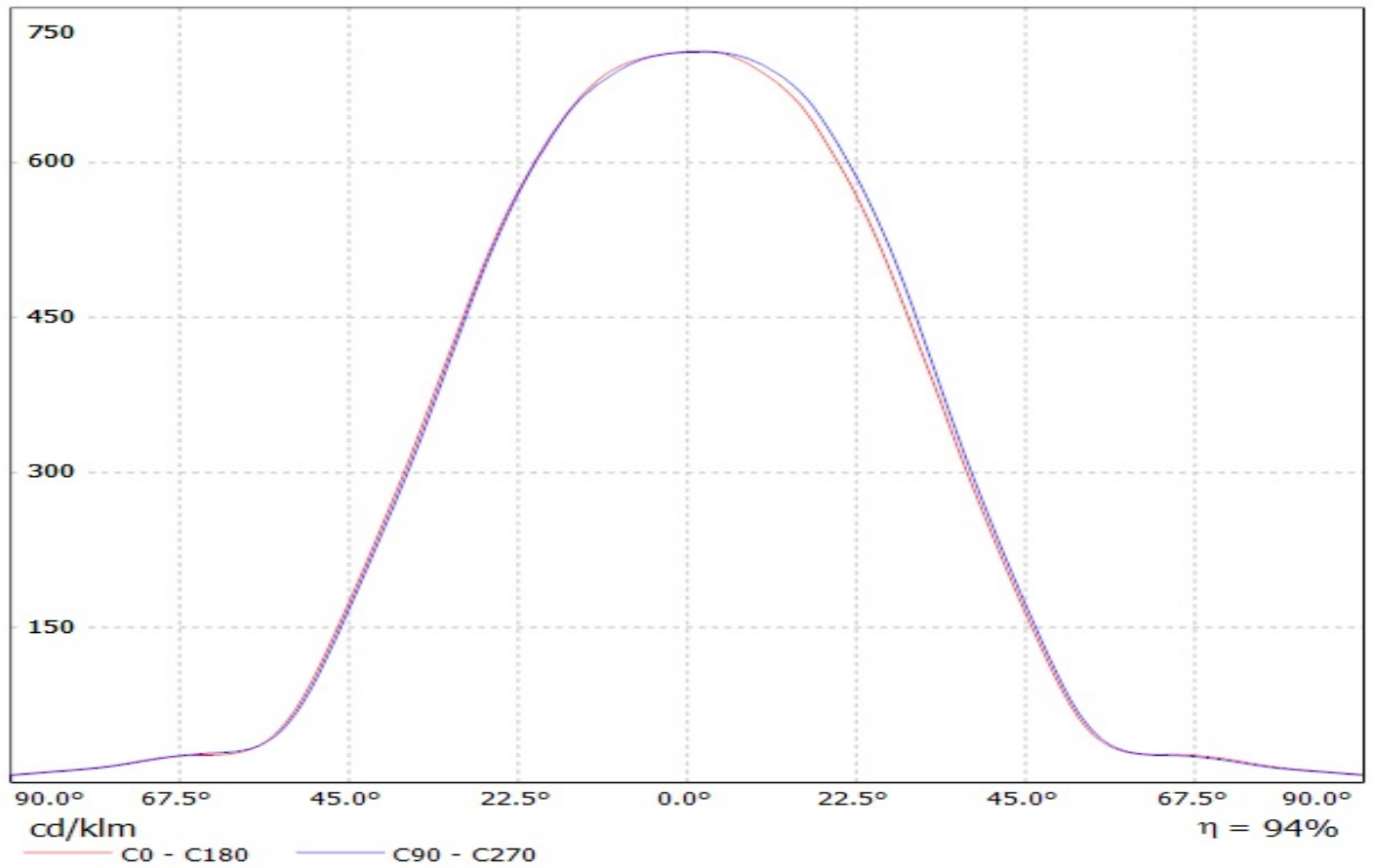
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."

Ledil Oy Salorankatu 10 FIN 24240 SALO Finland		DRAWING TITLE	
		STELLA-HB datasheet	
SIZE	PART NUMBER		
A3	FN14074		
SCALE	1:1	WEIGHT (g)	SHEET 1/1

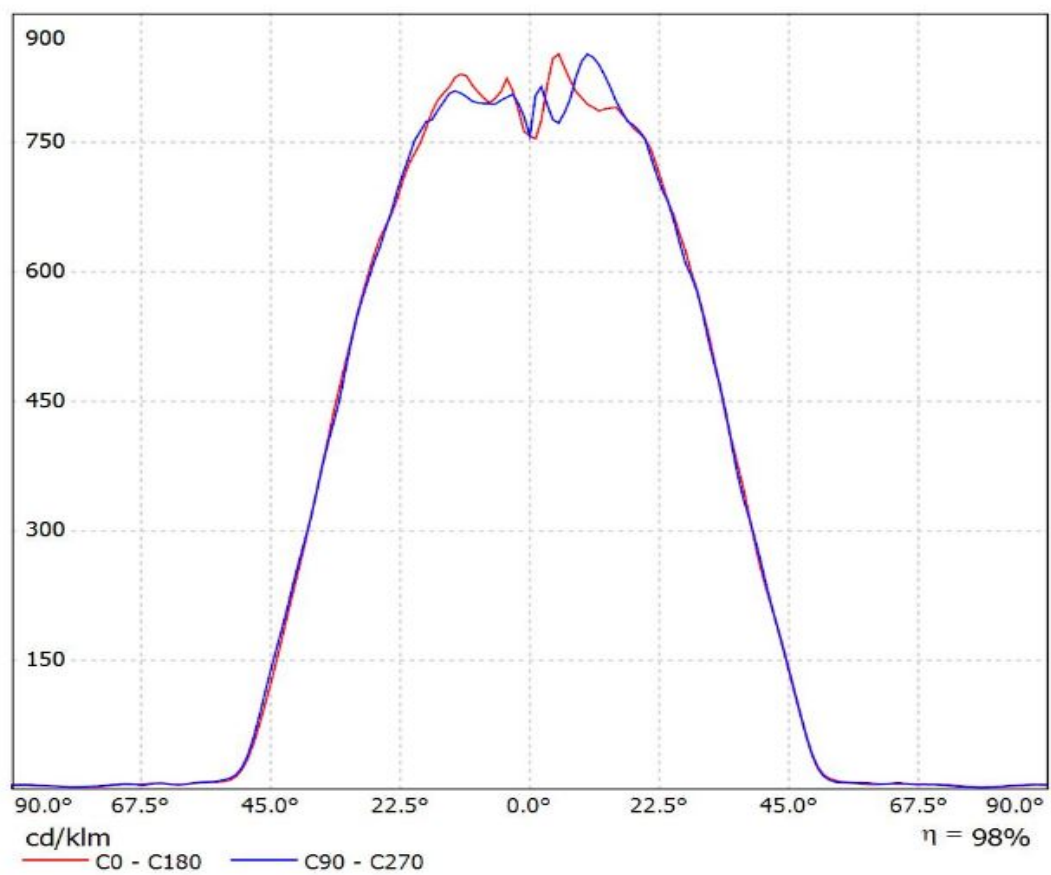
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(VERO18) Eff.93%  
Lamps: 1 x VERO18\_(BXRC30E4000F)\_904.503lm@250mA P=6.79928W I=249.9mA



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

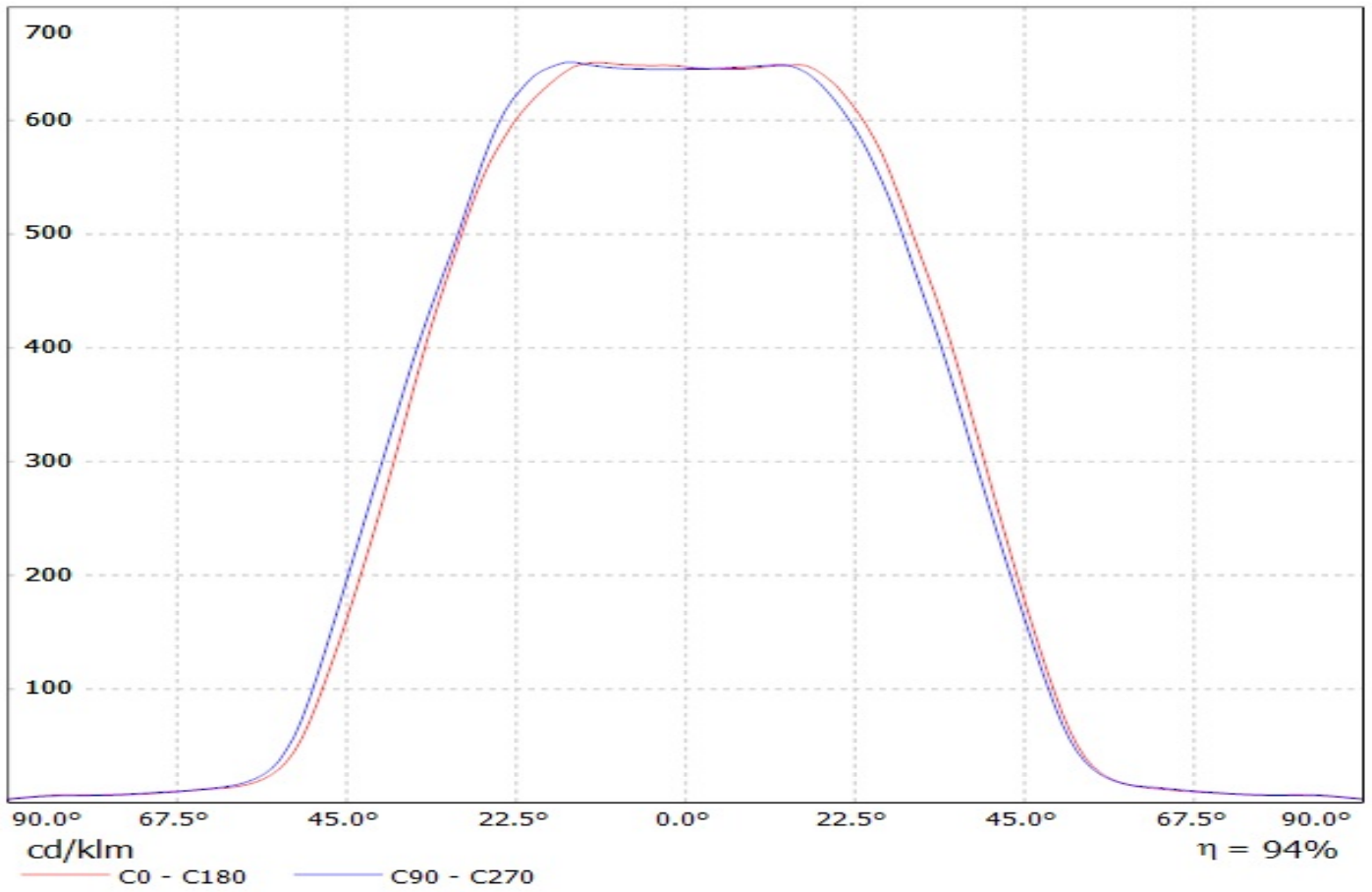


Luminaire: Ledil Oy FN14074\_STELLA-HB\_Bridgelux\_V22\_Gen7\_SIMULATED FN14074\_STELLA-HB\_Bridgelux\_V22\_Gen7\_SIMULATED  
Lamps: 1 x FN14074\_STELLA-HB\_Bridgelux\_V22\_Gen7\_SIMULATED



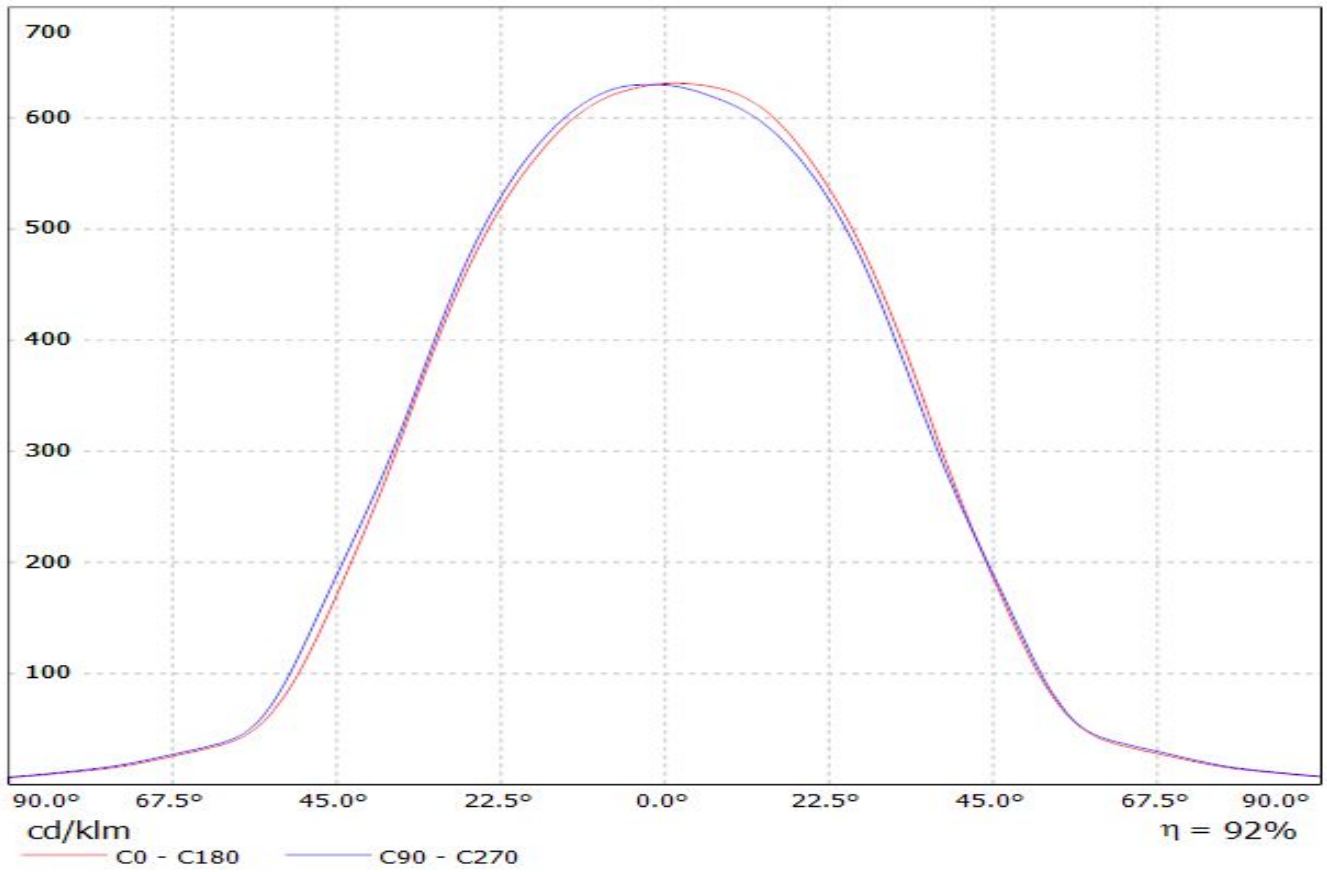
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CLU046)

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



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

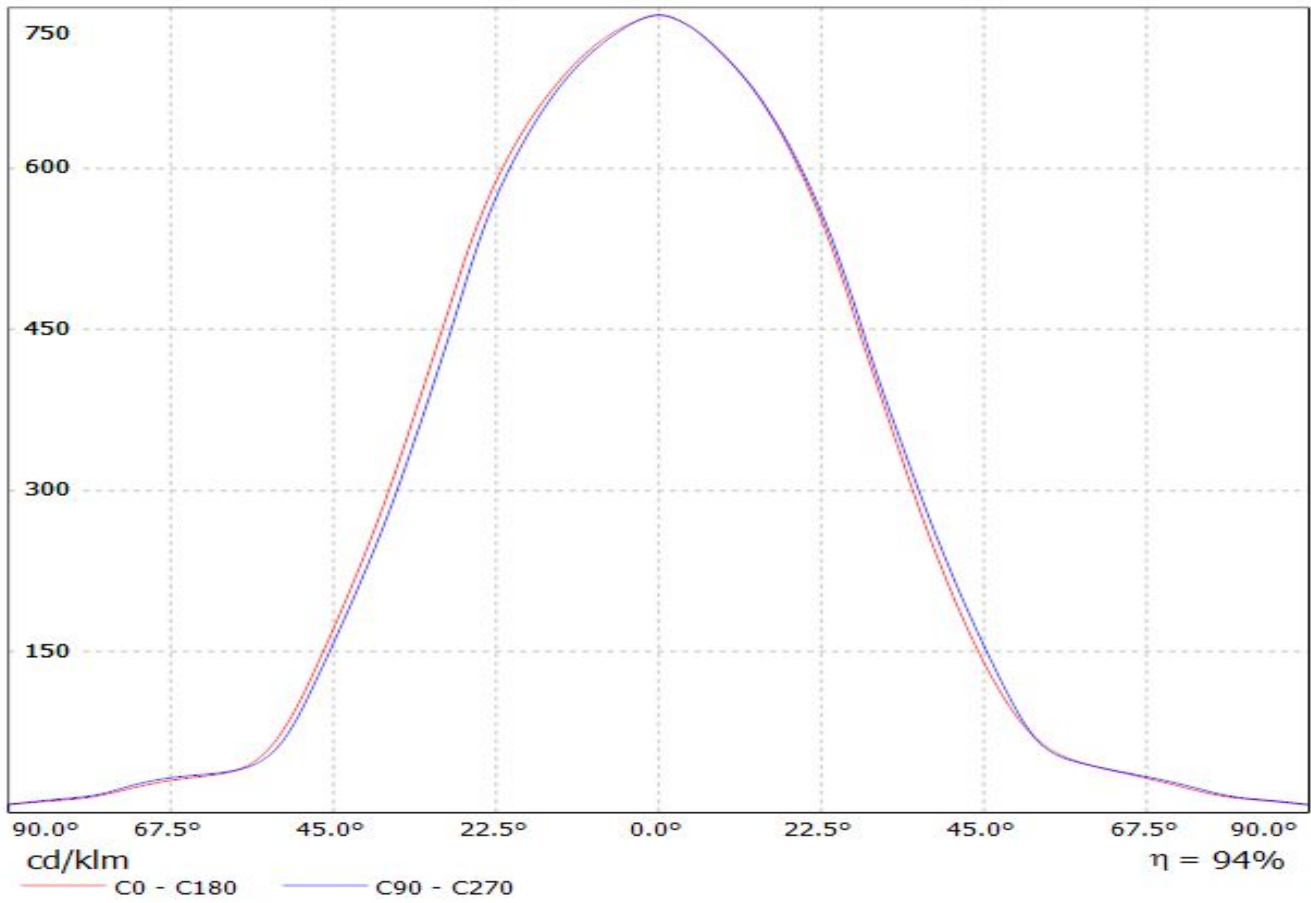
Lamps: 1 x CITIZEN\_CLL050\_(1825A1-50KL1A1)\_1941.5lm@250mA\_CCT=5000K\_P=11.9872W\_I=249.8mA





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

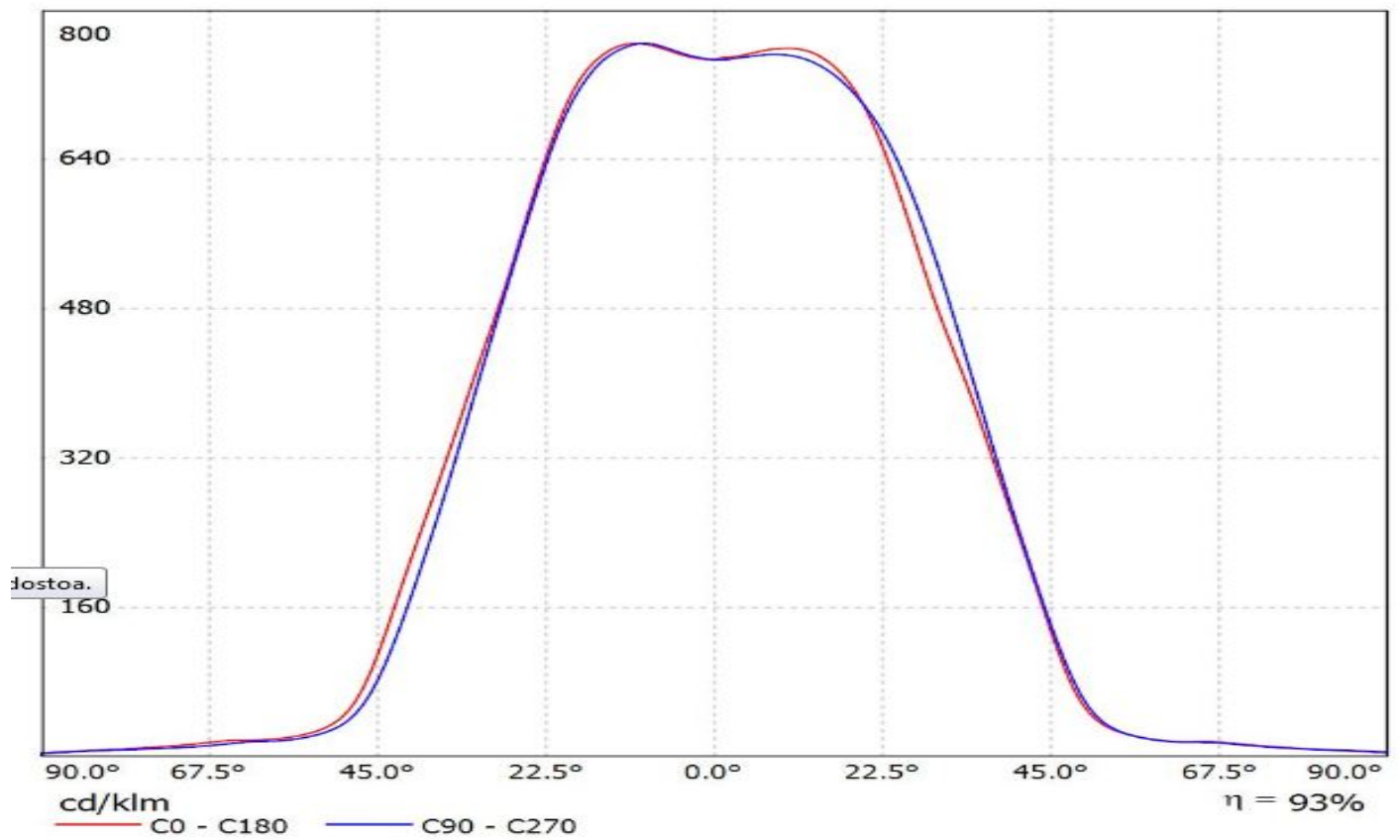
Lamps: 1 x CLL050+\_B+W\_458\_Typ\_L4\_1471.17lm@250mA\_P=12.0411W\_I=250mA



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

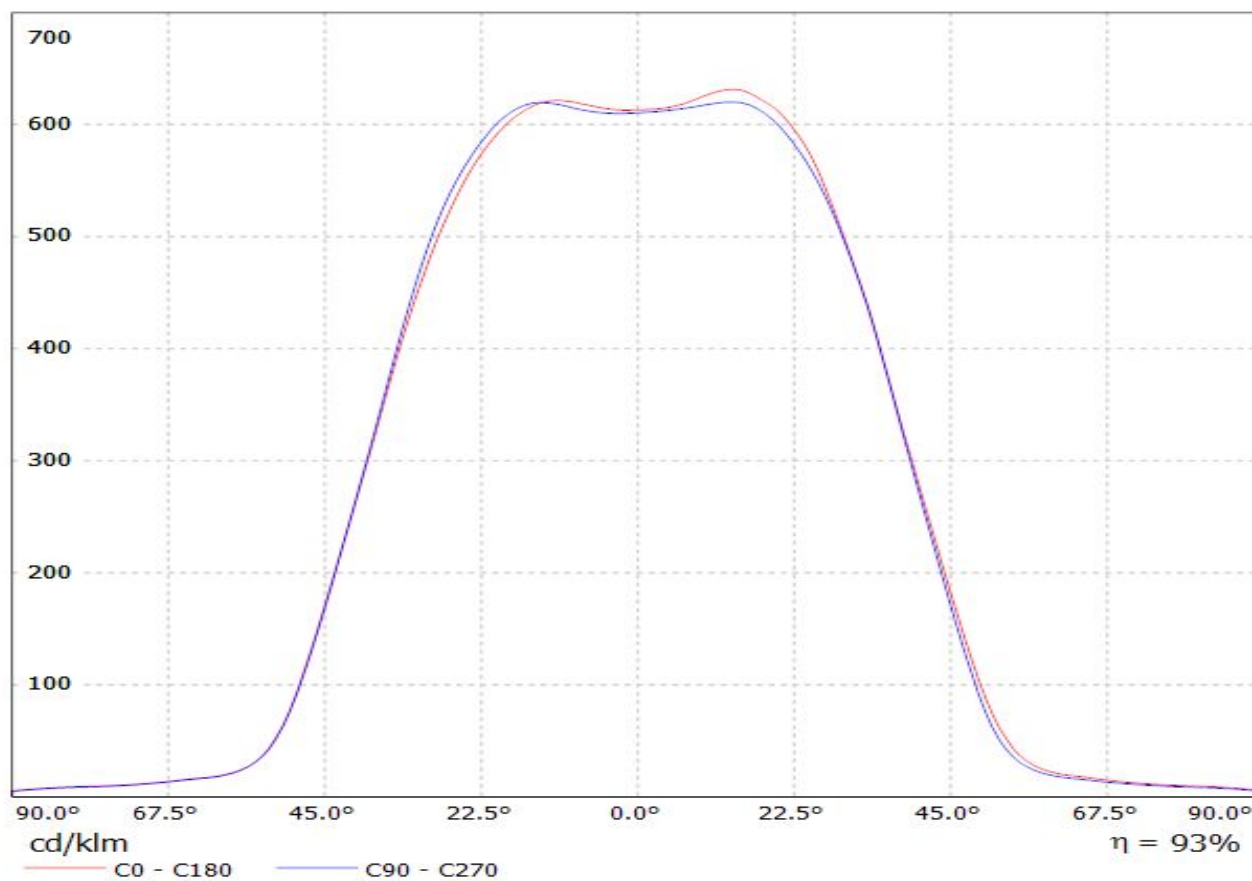
Luminaire: Ledil FN14074\_STELLA-HB\_(CLU044)\_(431\_Typ\_L3)

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



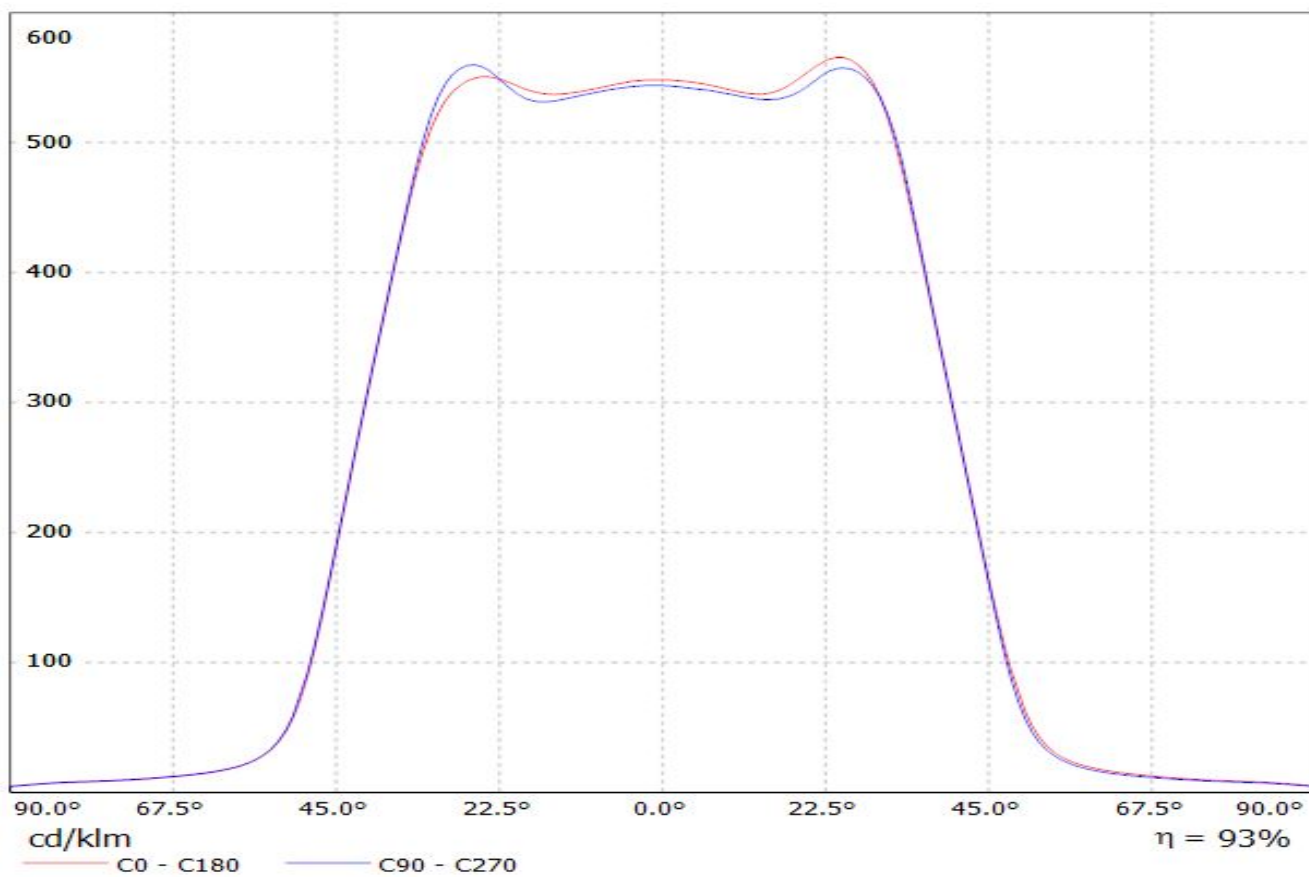
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXA3050)

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



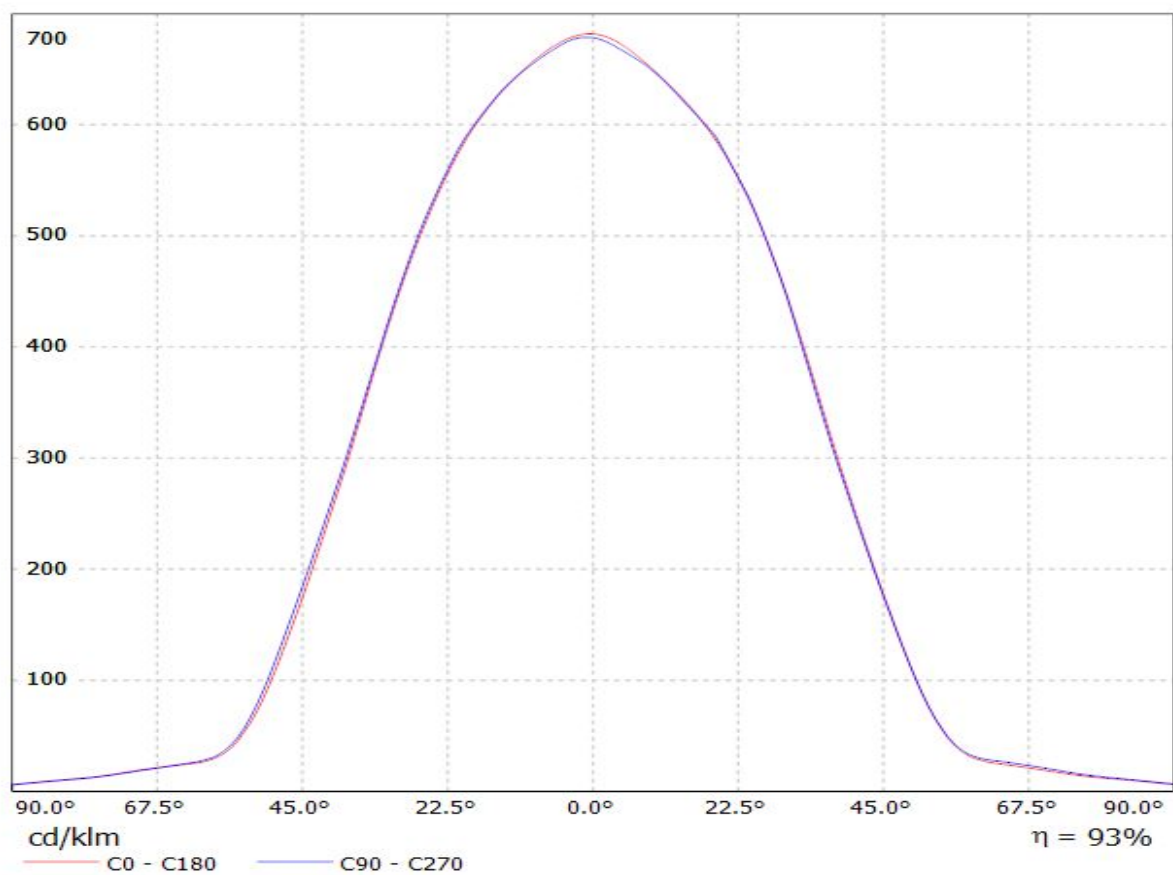
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXA25)

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\_(CXA3590)

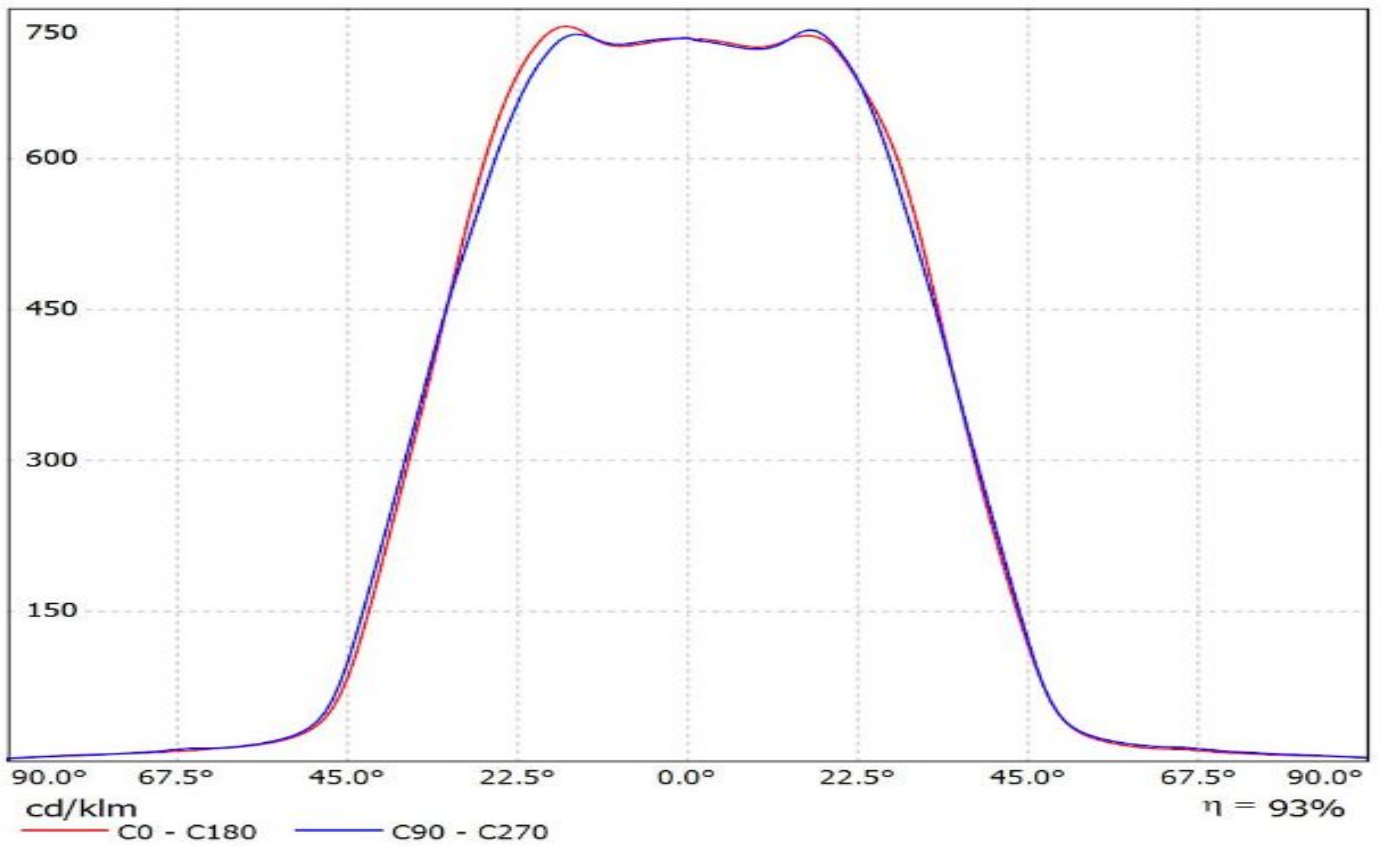
Lamps: 1 x Cree\_CXA3590\_(CXA3590-30F-BD-R0H-0002)\_2639.65lm@250mA\_CCT=3000K\_P=16.3039W\_I=249.8mA



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

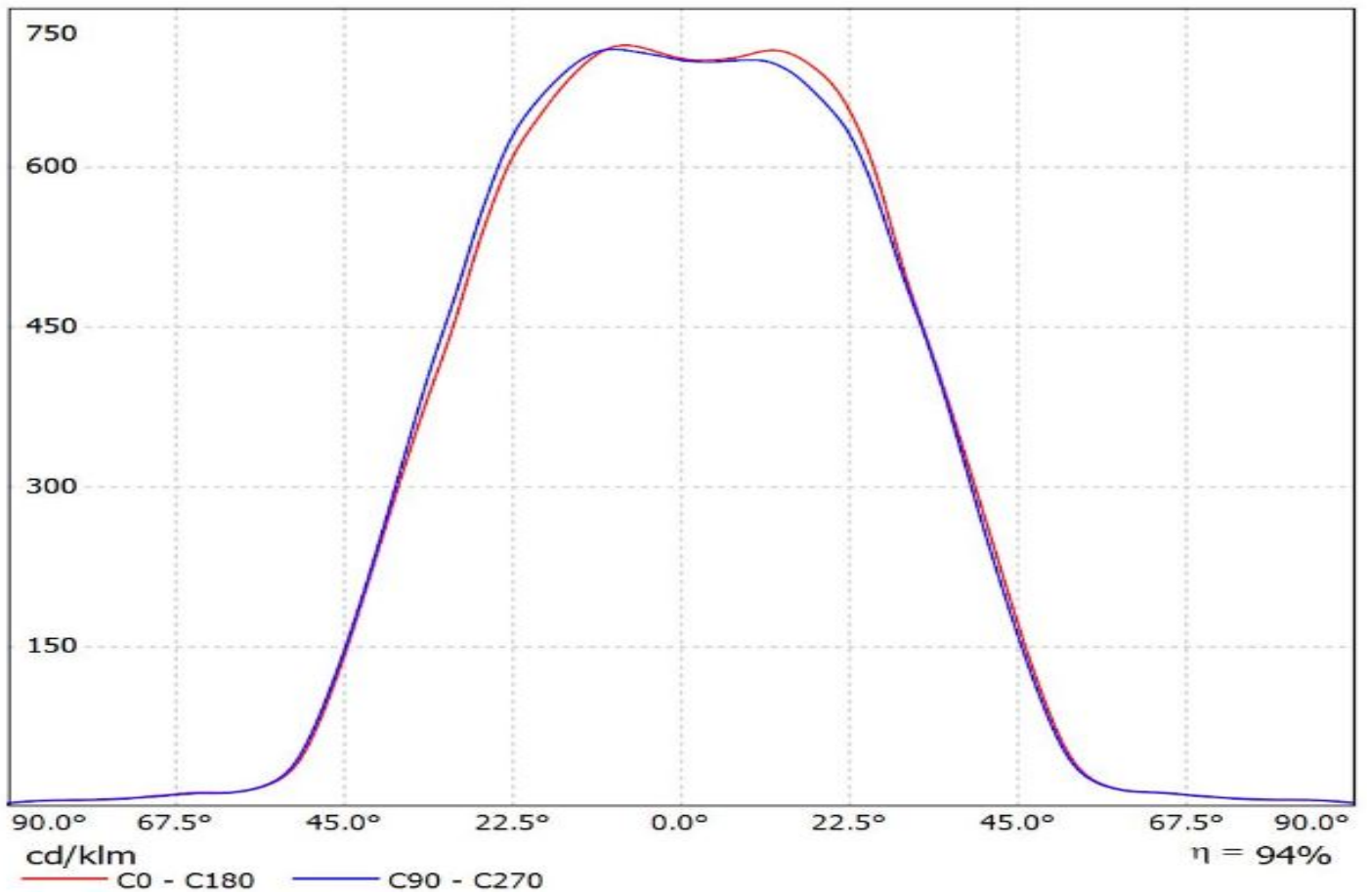
Luminaire: Ledil FN14074\_STELLA-HB\_(CoB\_1211)\_(431\_Typ\_L3)

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

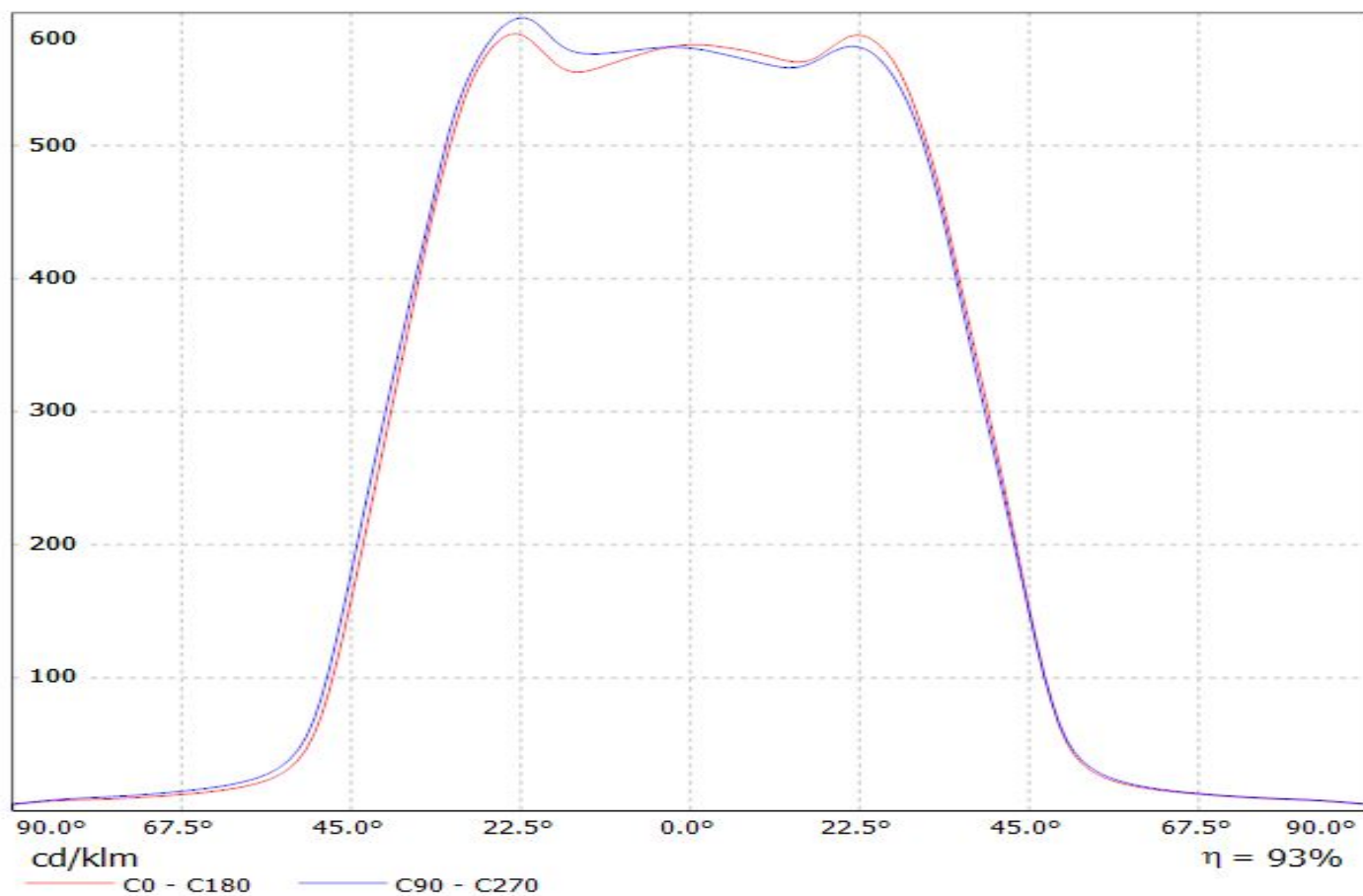


Luminaire: Ledil FN14074\_STELLA-HB\_(CoB\_1216)

Lamps: 1 x Luxeon\_CoB\_1216\_(L2C2-40801216E2300)\_1468.12lm@250mA\_P=7.9868W\_I=0.25A

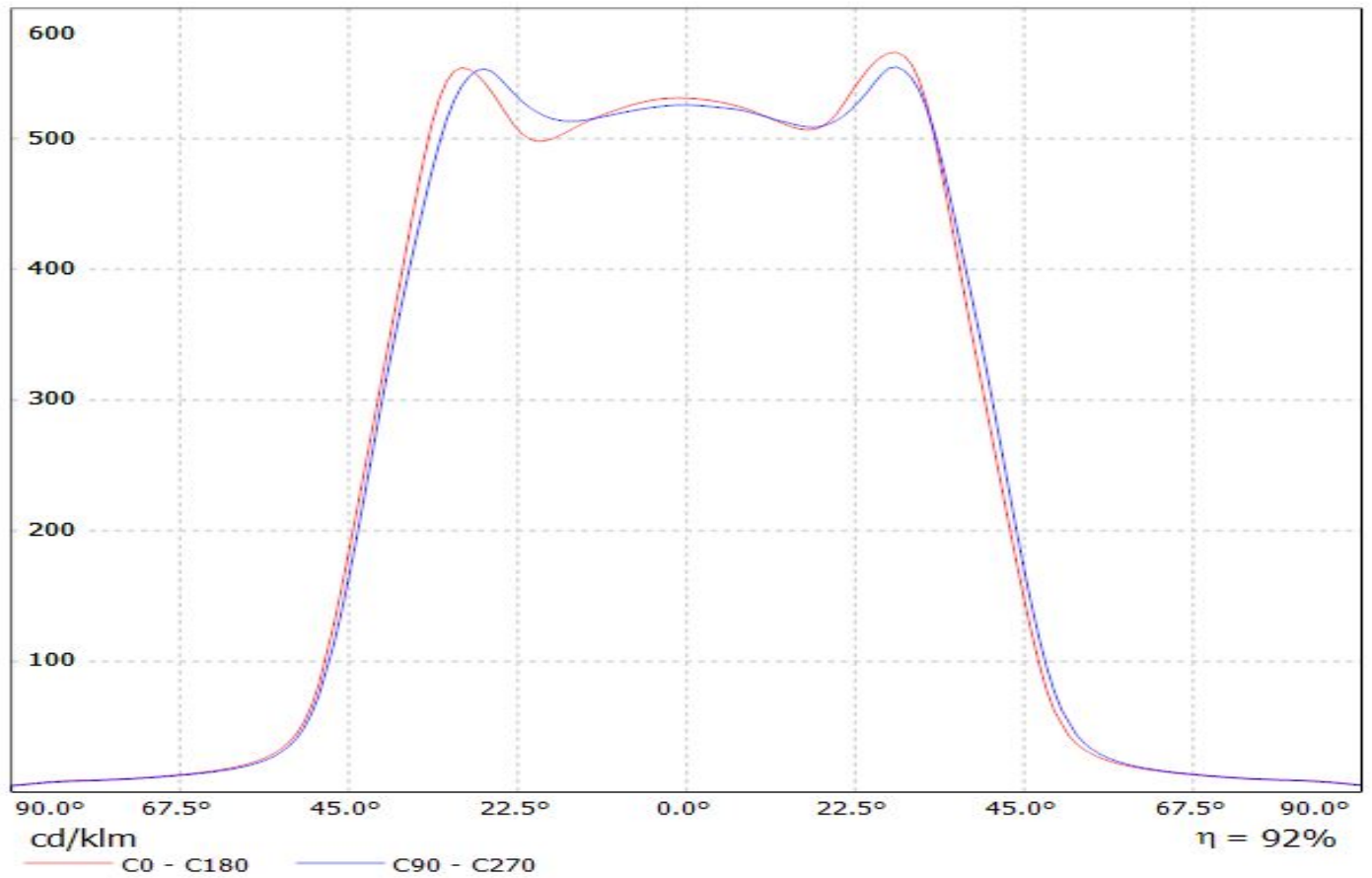


Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXM-18) Eff.92.8%  
Lamps: 1 x LUMINUS\_XNOVA\_CXM-18\_897.842lm@250mA\_P=8.12425W\_I=249.9mA



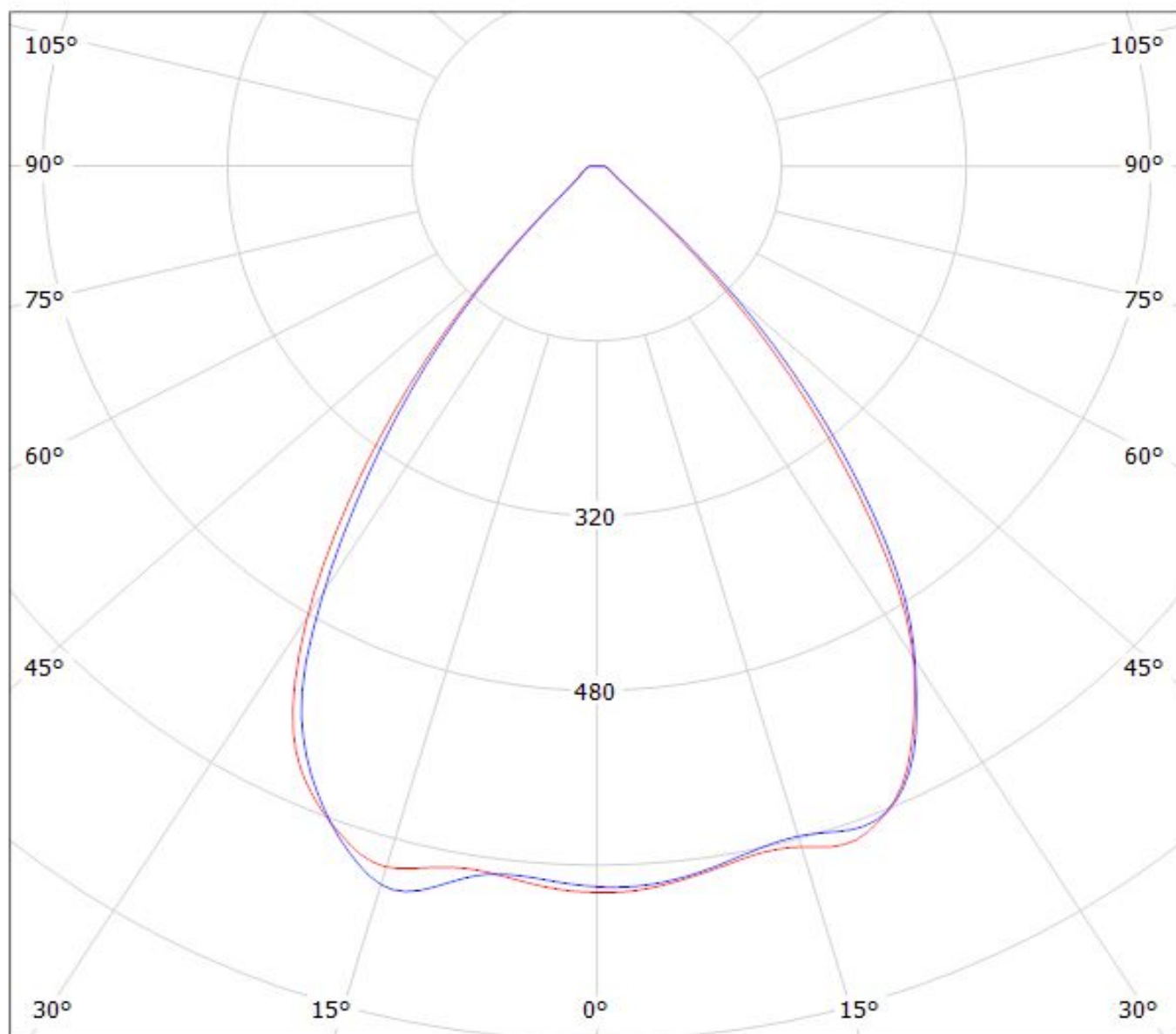


Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(SOLERIQ\_S19) Eff.92.3%  
Lamps: 1 x OSRAM\_SOLERIQ\_S19\_(GW\_KAHJB1.EM)  
\_1401.57lm@250mA\_CCT=3000K\_P=10.4274W\_I=249.8mA



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

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

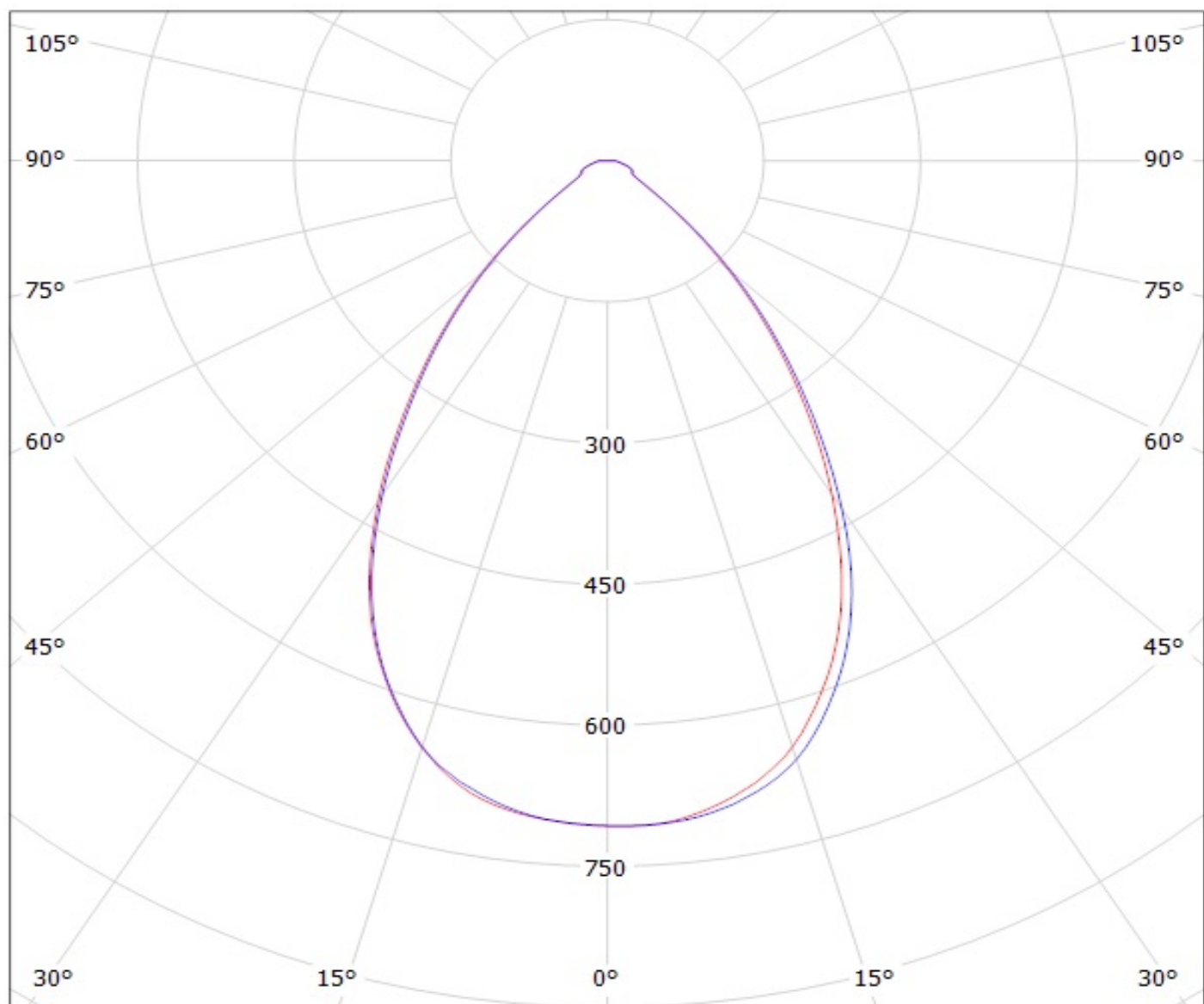


cd/klm

— C0 - C180    — C90 - C270

$\eta = 93\%$

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

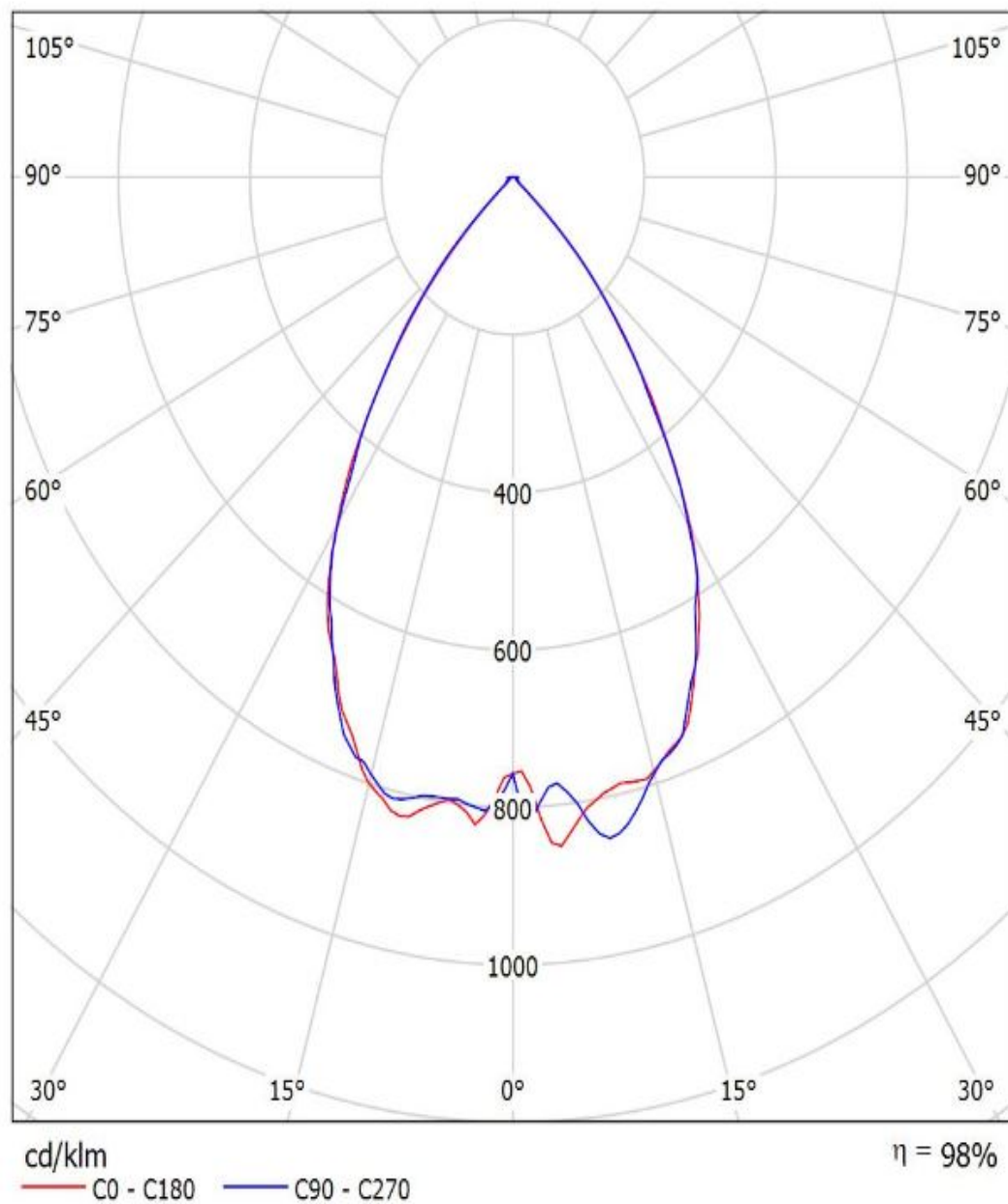


cd/klm

— C0 - C180    — C90 - C270

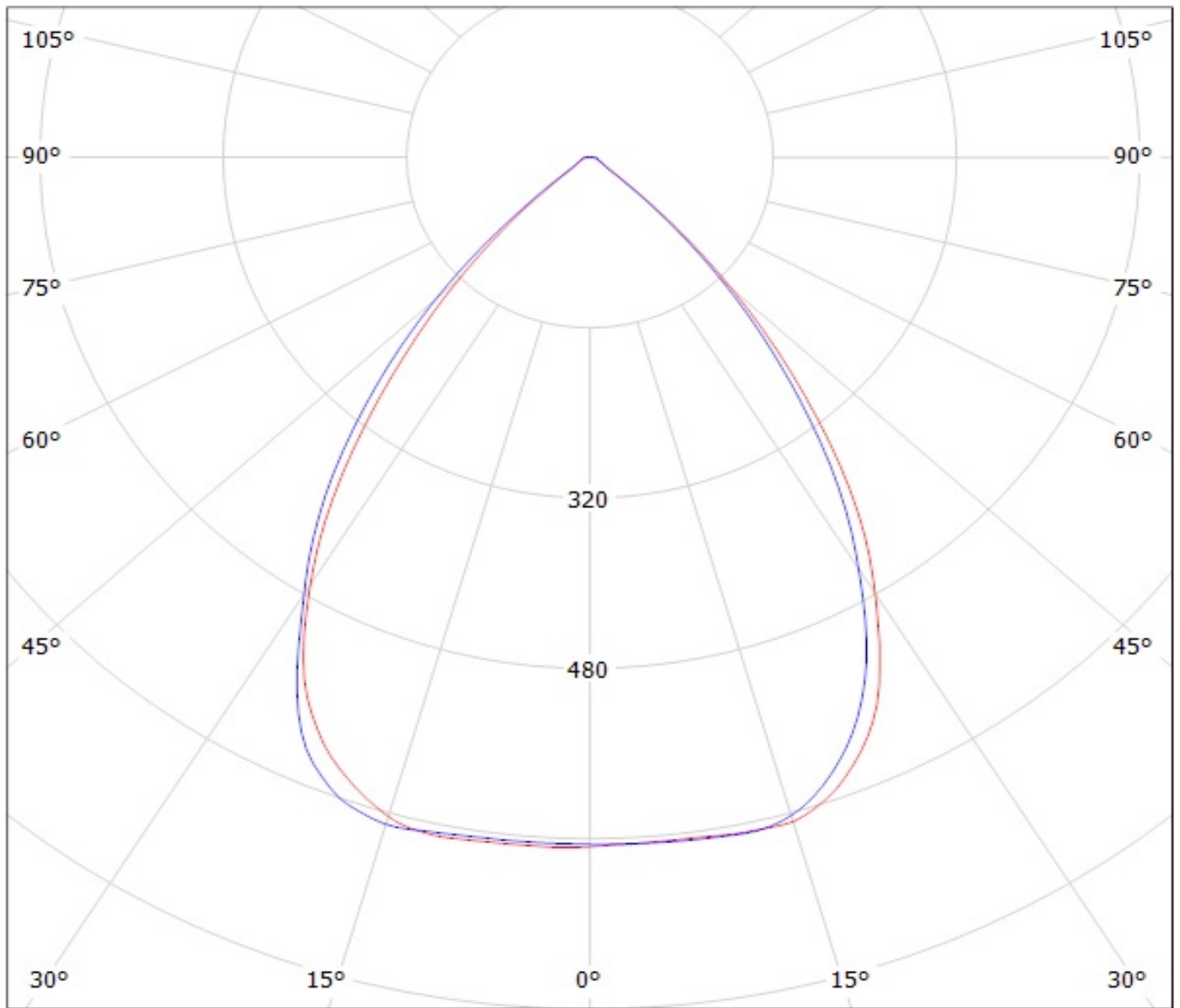
$\eta = 94\%$

Luminaire: Ledil Oy FN14074\_STELLA-HB\_Bridgelux\_V22\_Gen7\_SIMULATED FN14074\_STELLA-HB\_Bridgelux\_V22\_Gen7\_SIMULATED  
Lamps: 1 x FN14074\_STELLA-HB\_Bridgelux\_V22\_Gen7\_SIMULATED



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

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



cd/klm

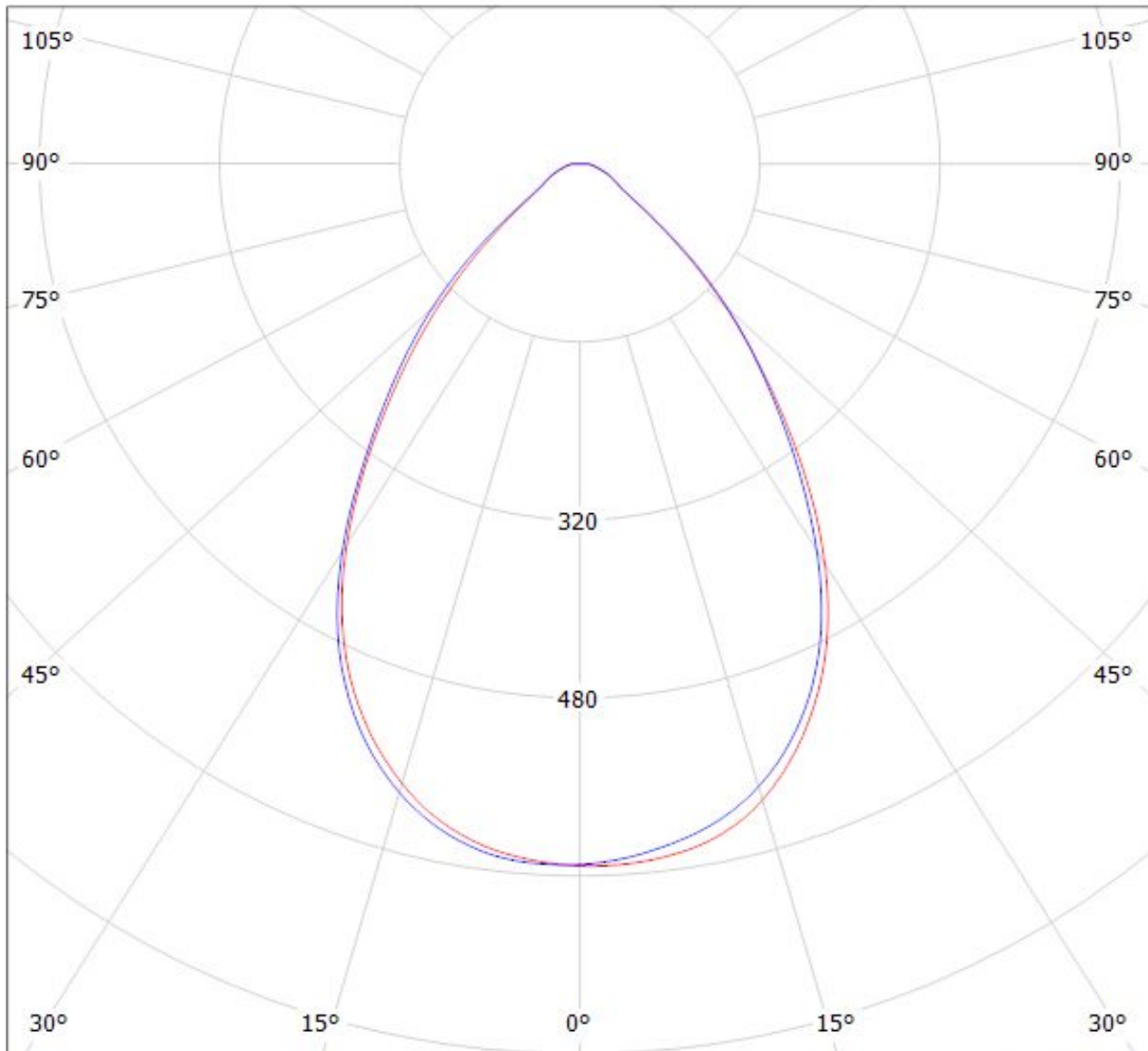
— C0 - C180

— C90 - C270

$\eta = 94\%$

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

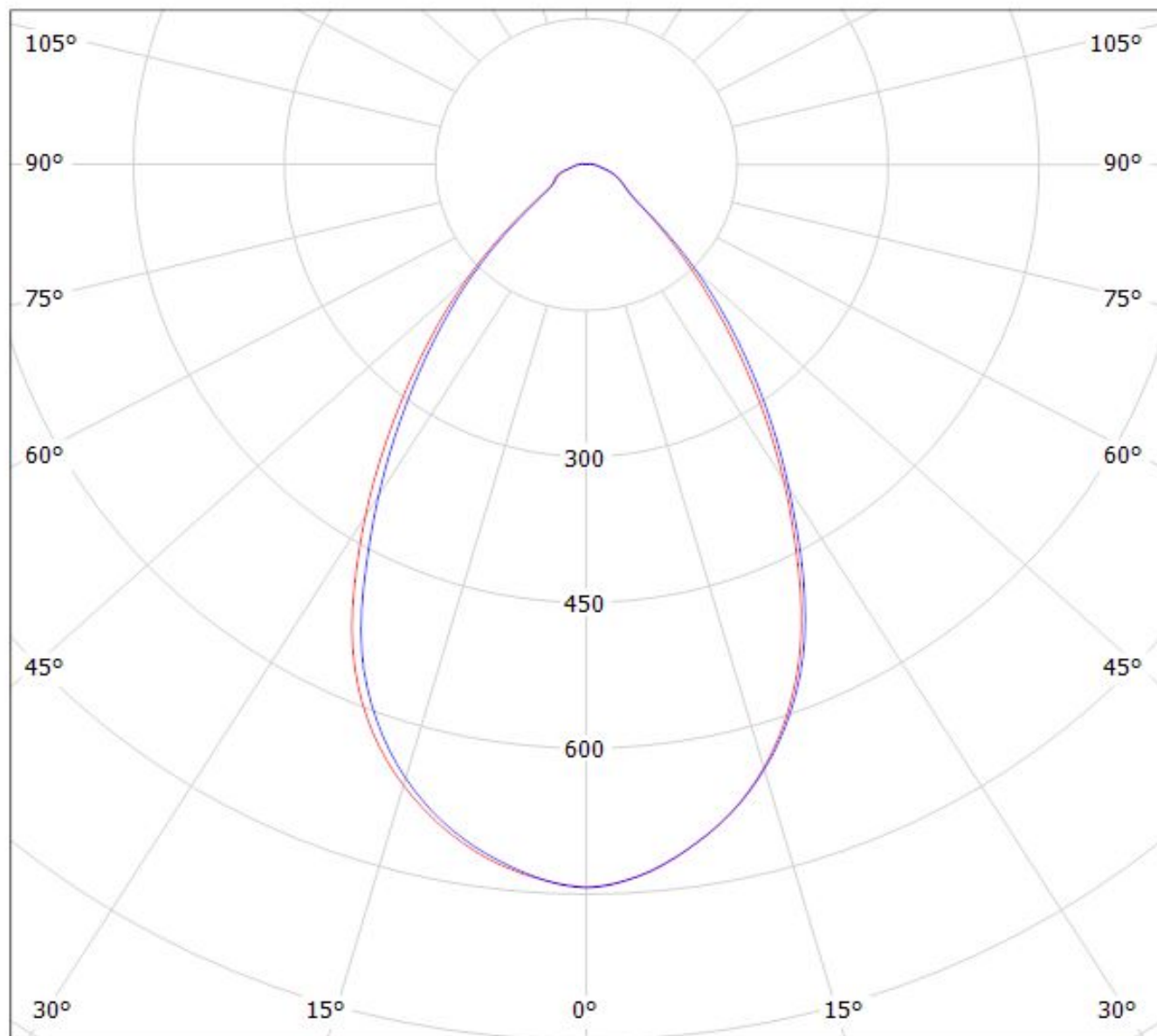
— C90 - C270

$\eta = 92\%$



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

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



cd/klm

— C0 - C180

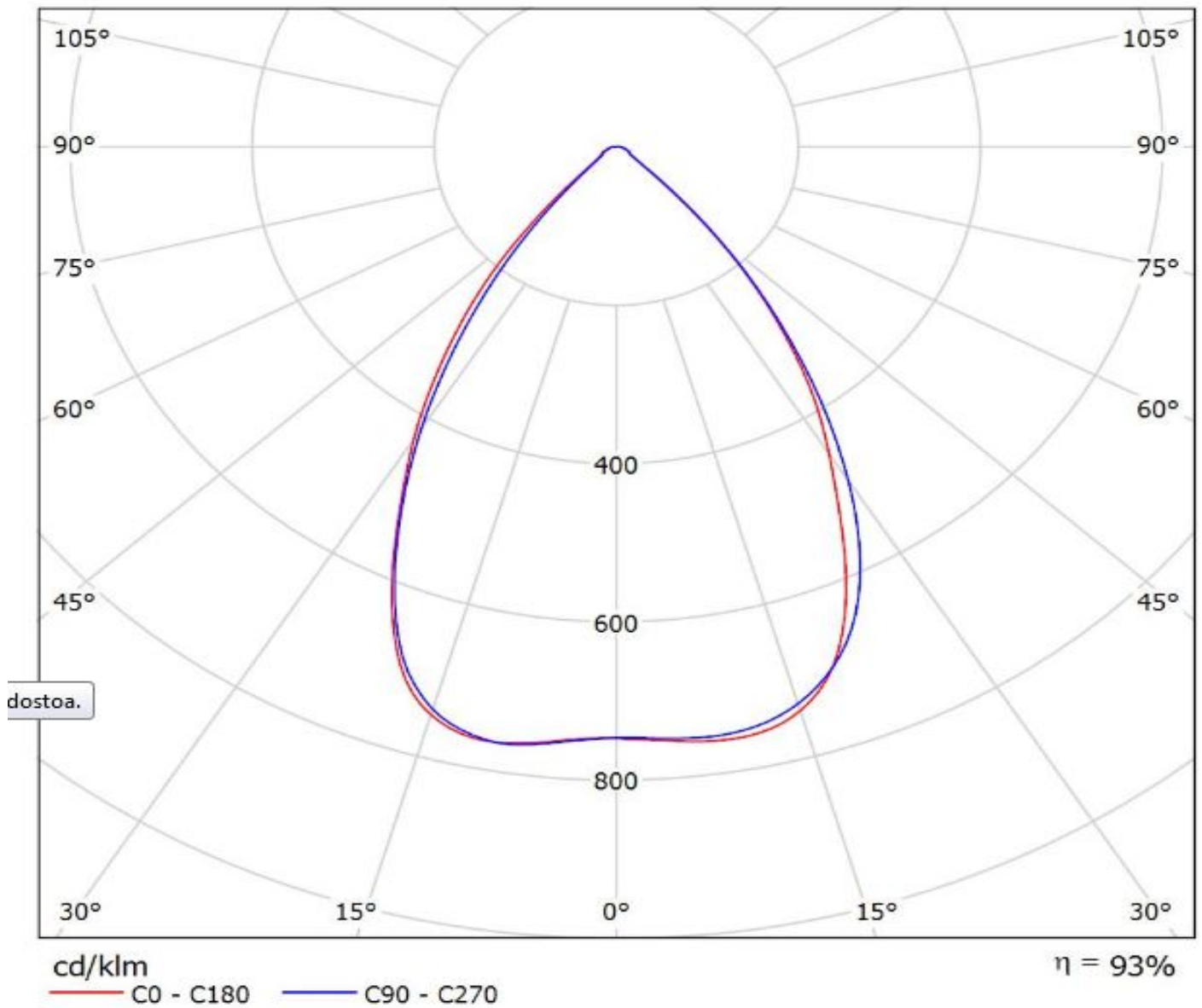
— C90 - C270

$\eta = 94\%$

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

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

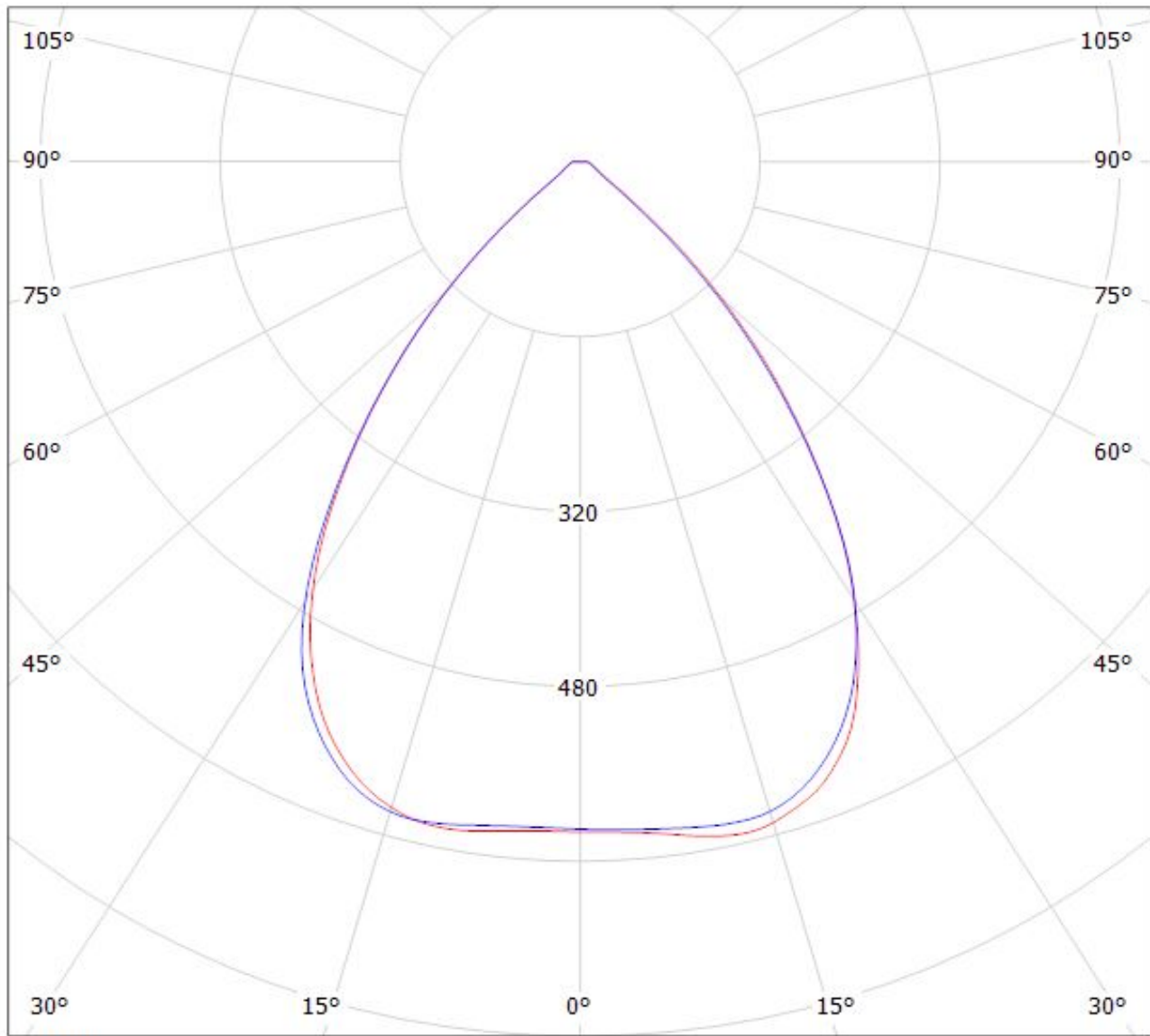
Lamps: 1 x Citizen\_CLU044\_(CLU044-1212B8-303M1A2)\_1334.99lm@250mA\_P=8.16W\_I=0.25A





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

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



cd/klm

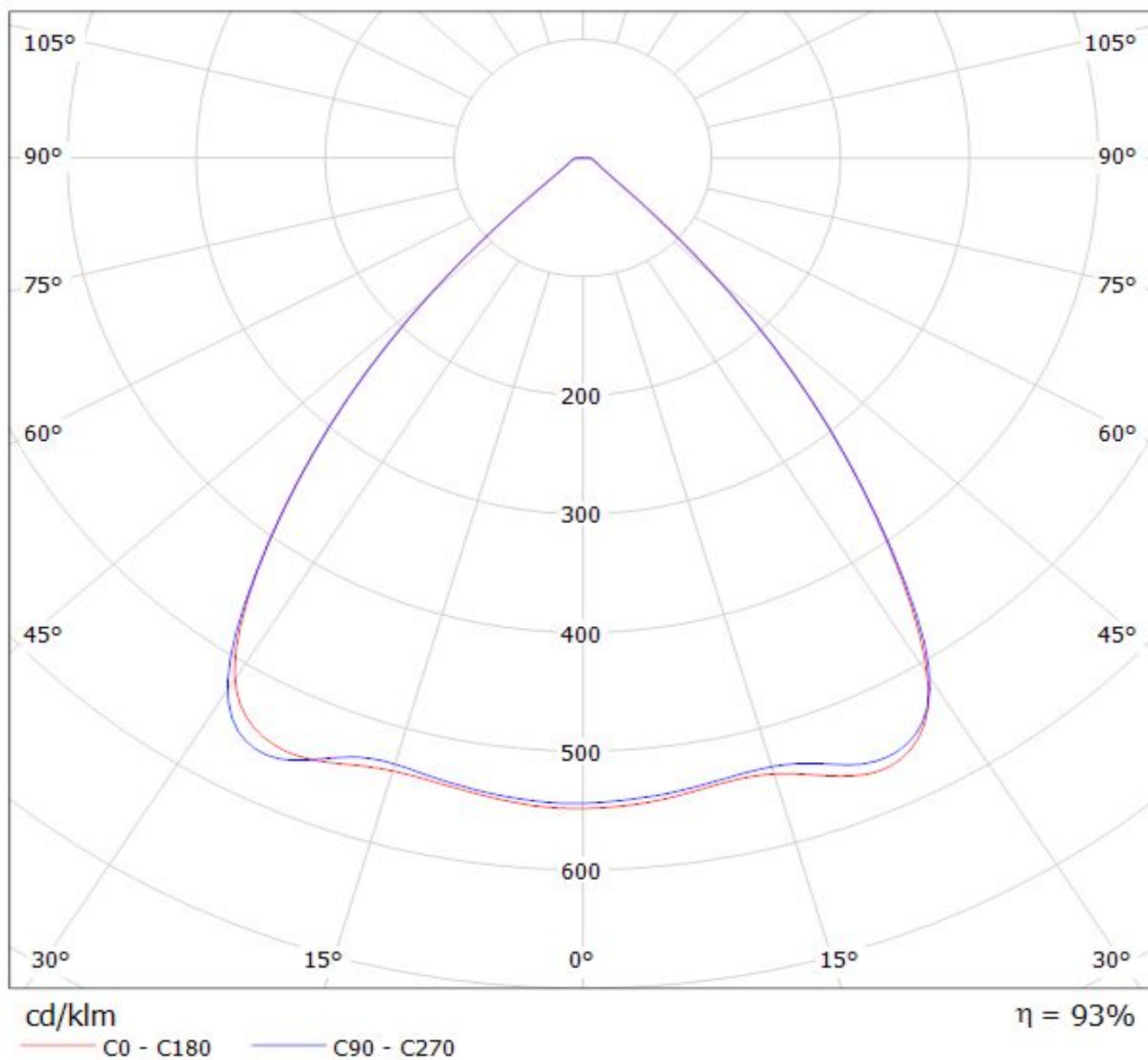
— C0 - C180

— C90 - C270

$\eta = 93\%$

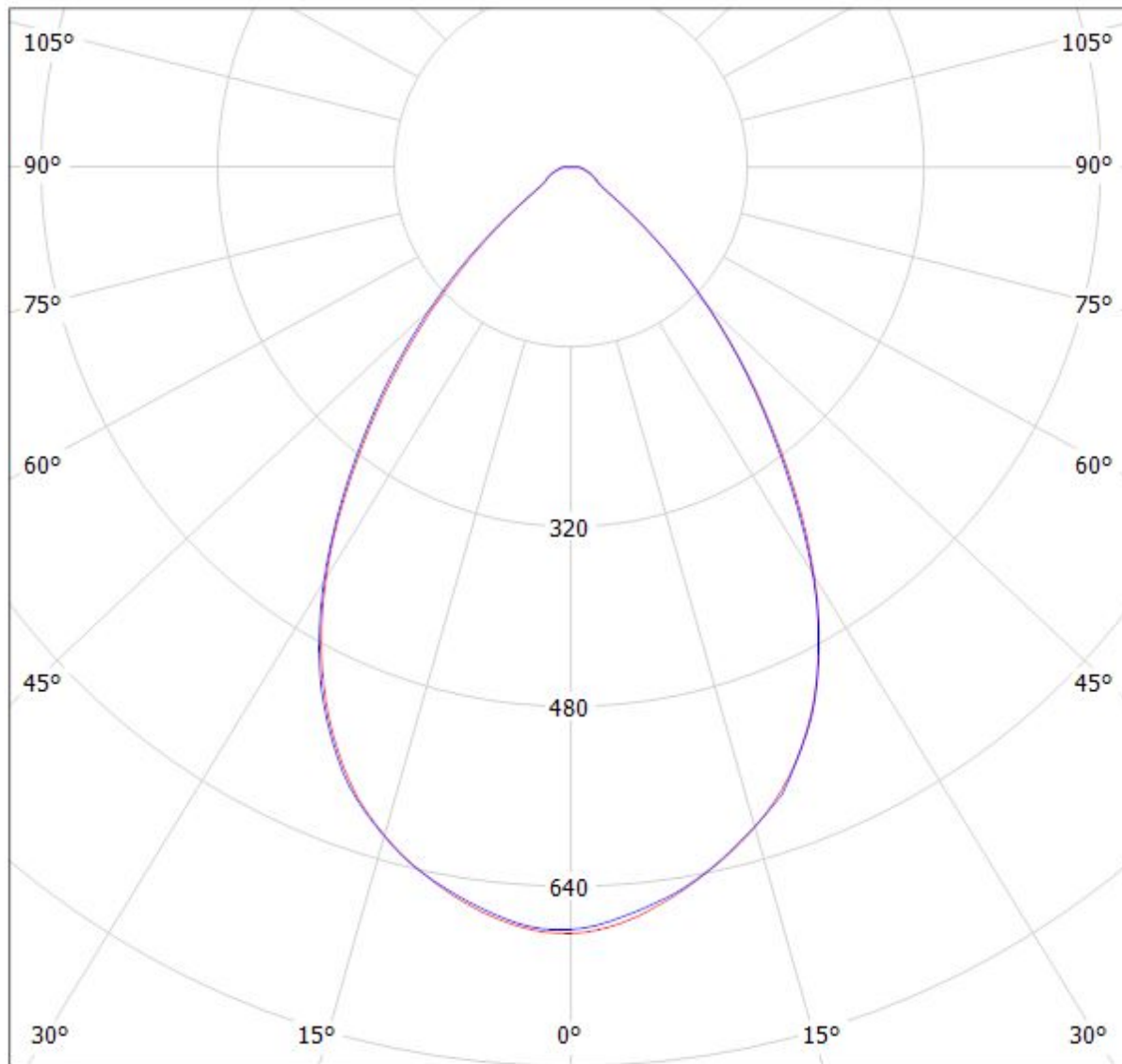
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXA25)

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\_(CXA3590)

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



cd/klm

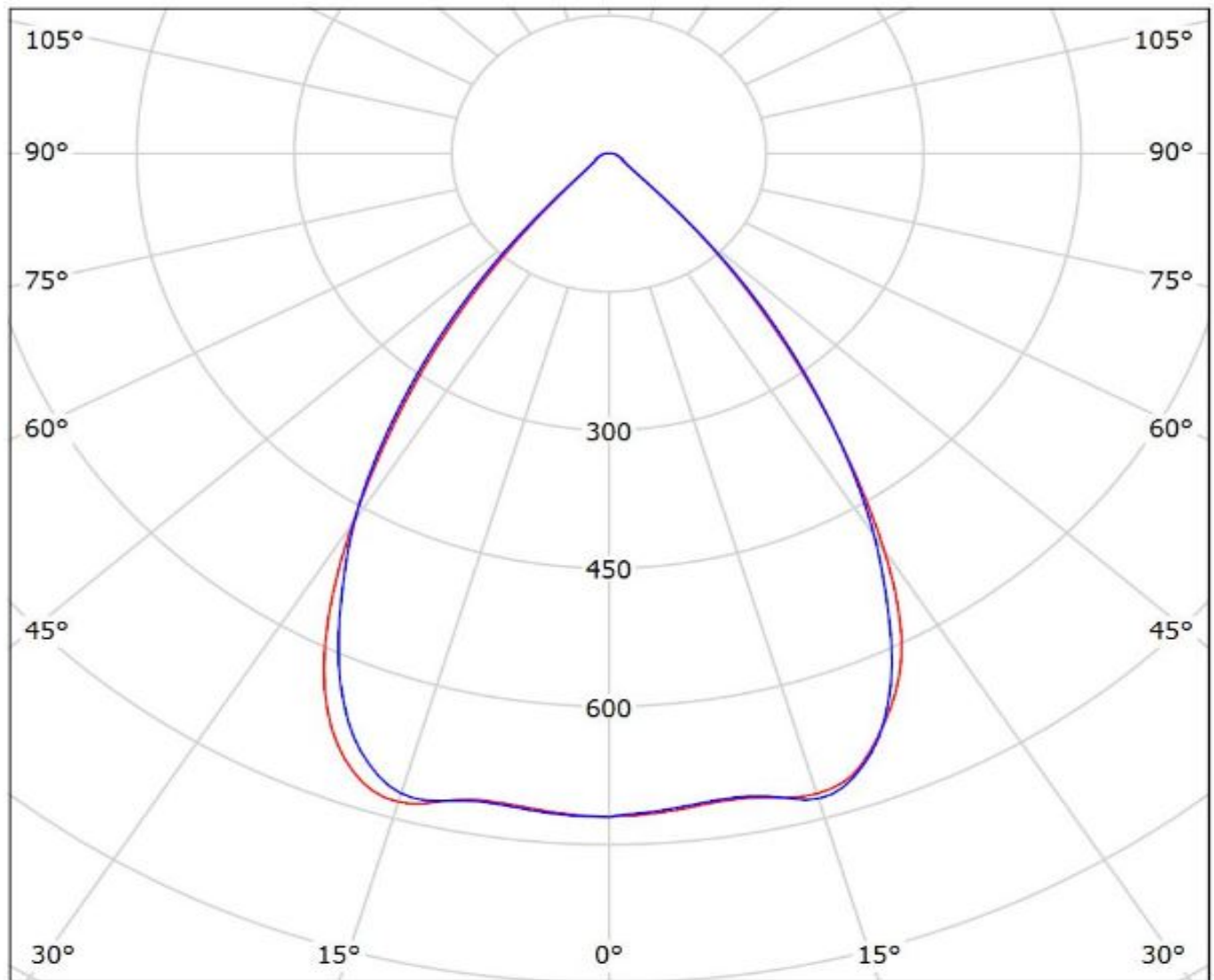
— C0 - C180 — C90 - C270

$\eta = 93\%$

# 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

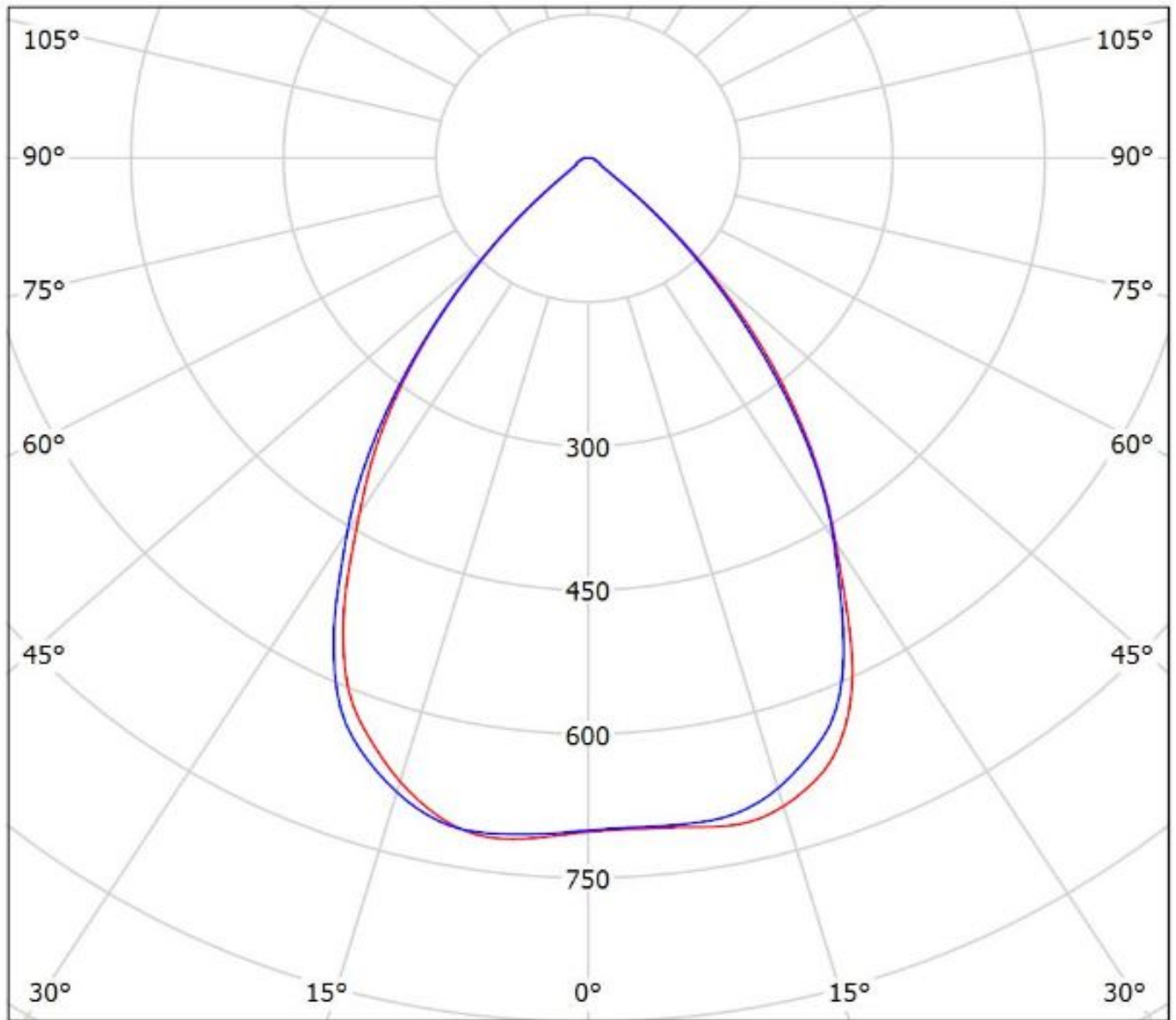
— C0 - C180

— C90 - C270

$\eta = 93\%$

Luminaire: Ledil FN14074\_STELLA-HB\_(CoB\_1216)

Lamps: 1 x Luxeon\_CoB\_1216\_(L2C2-40801216E2300)\_1468.12lm@250mA\_P=7.9868W\_I=0.25A



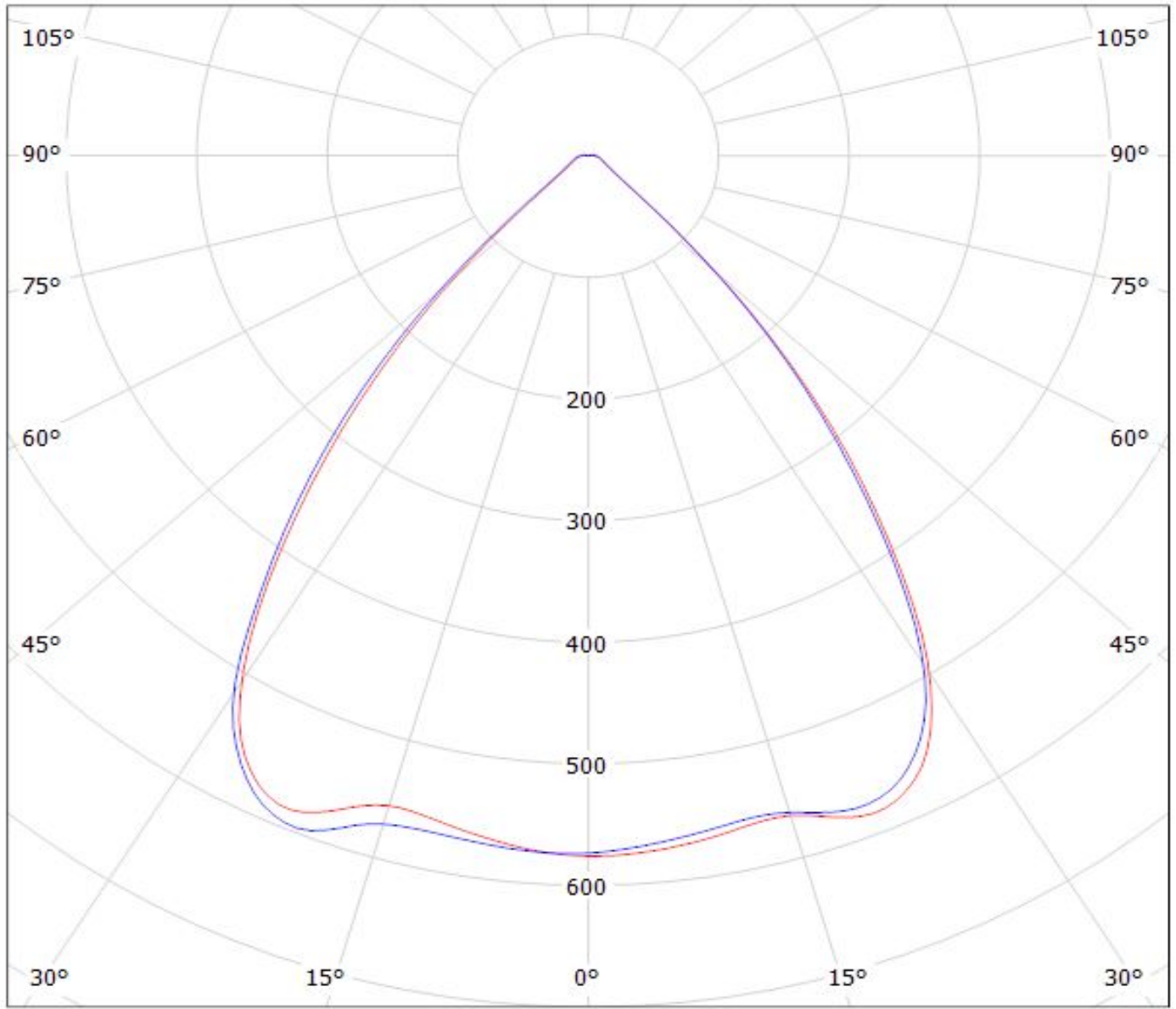
cd/klm

— C0 - C180    — C90 - C270

$\eta = 94\%$

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

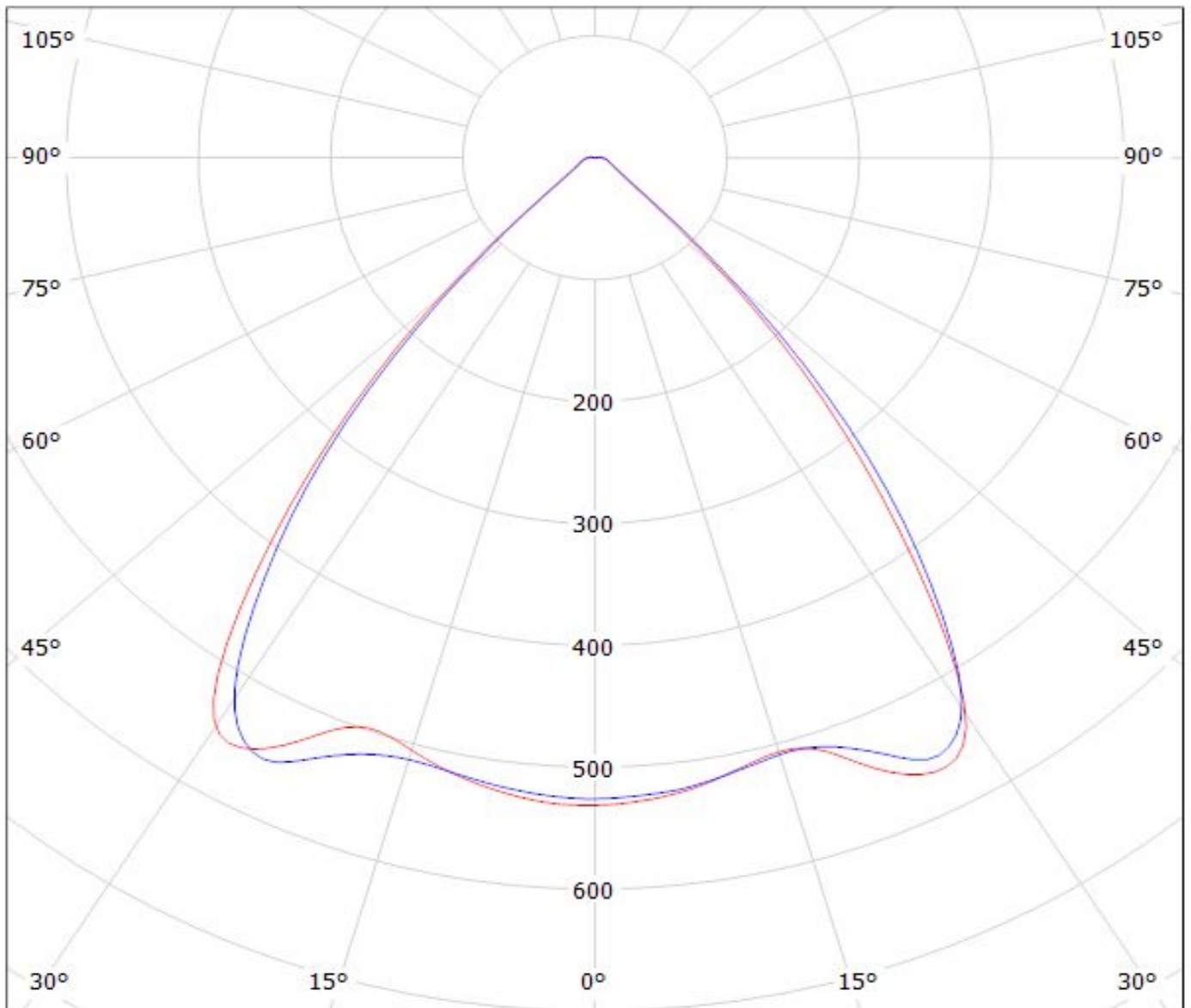
— C0 - C180

— C90 - C270

$\eta = 93\%$



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

$\eta = 92\%$

— C0 - C180    — C90 - C270

**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.