

### DETAILS

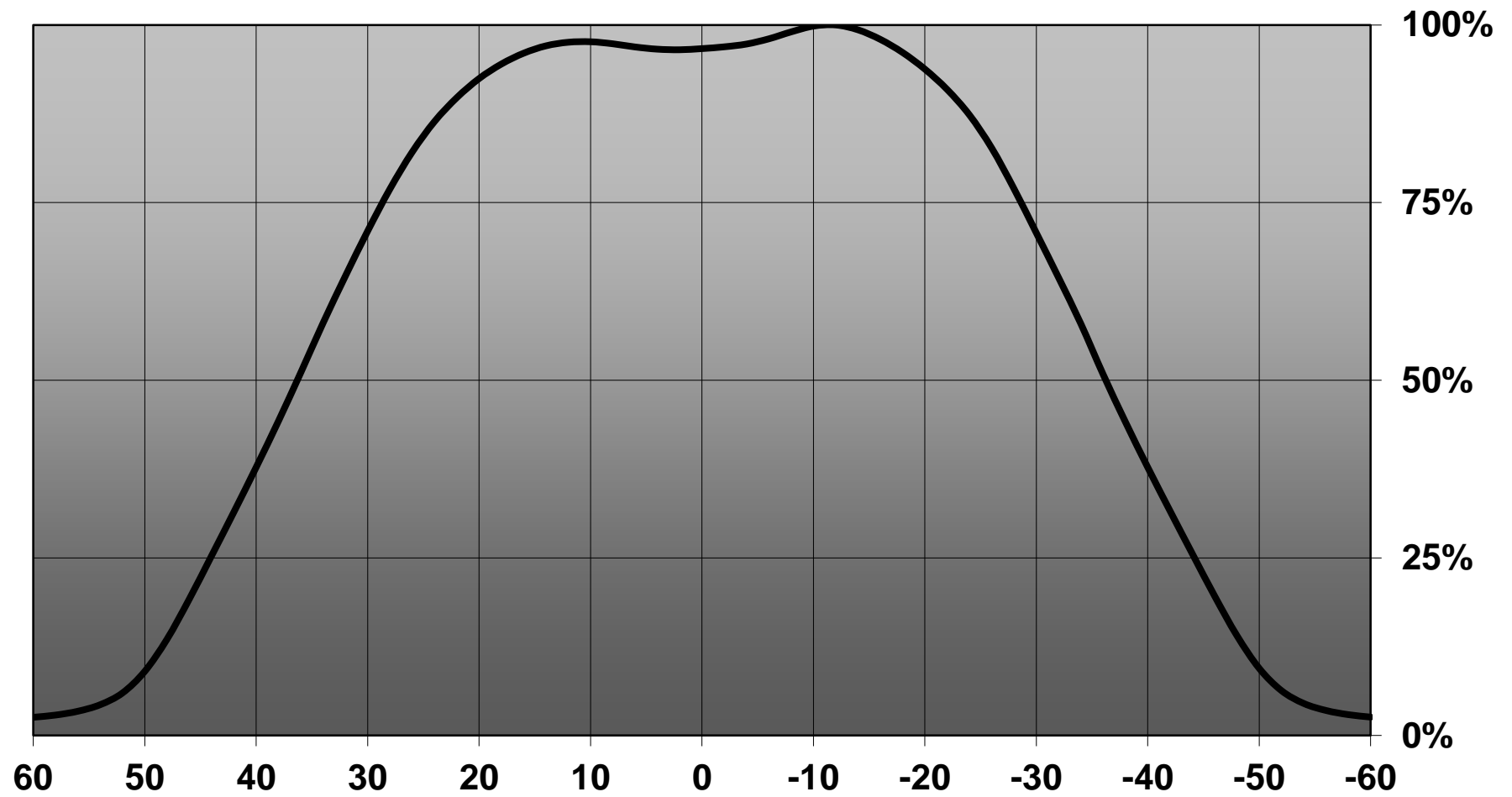
<b>Product Number</b>	FN14074_STELLA-HB
<b>Family</b>	STELLA
<b>Type</b>	Lens
<b>Color</b>	black
<b>Diameter</b>	90 mm
<b>Height</b>	19,5 mm
<b>Style</b>	round
<b>Optic Material</b>	Silicone
<b>Holder Material</b>	PA66GF30
<b>Fastening</b>	screw
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	12/05/2016



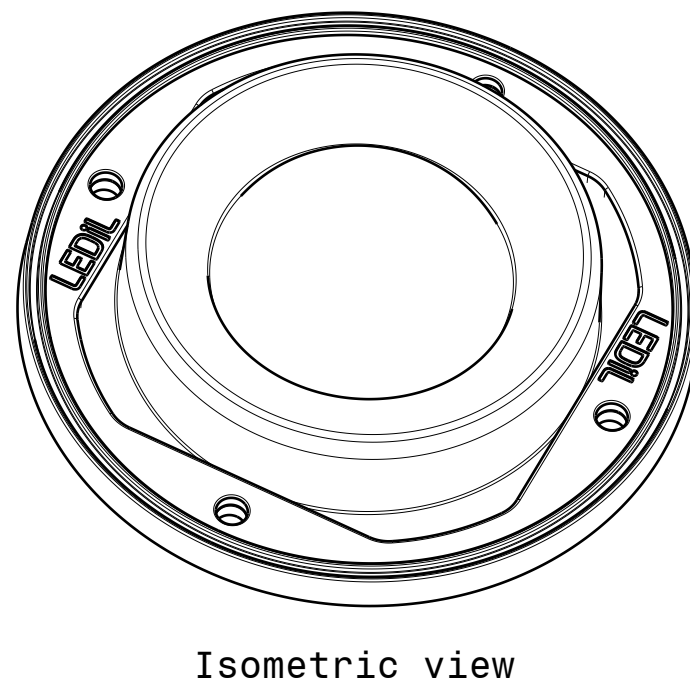
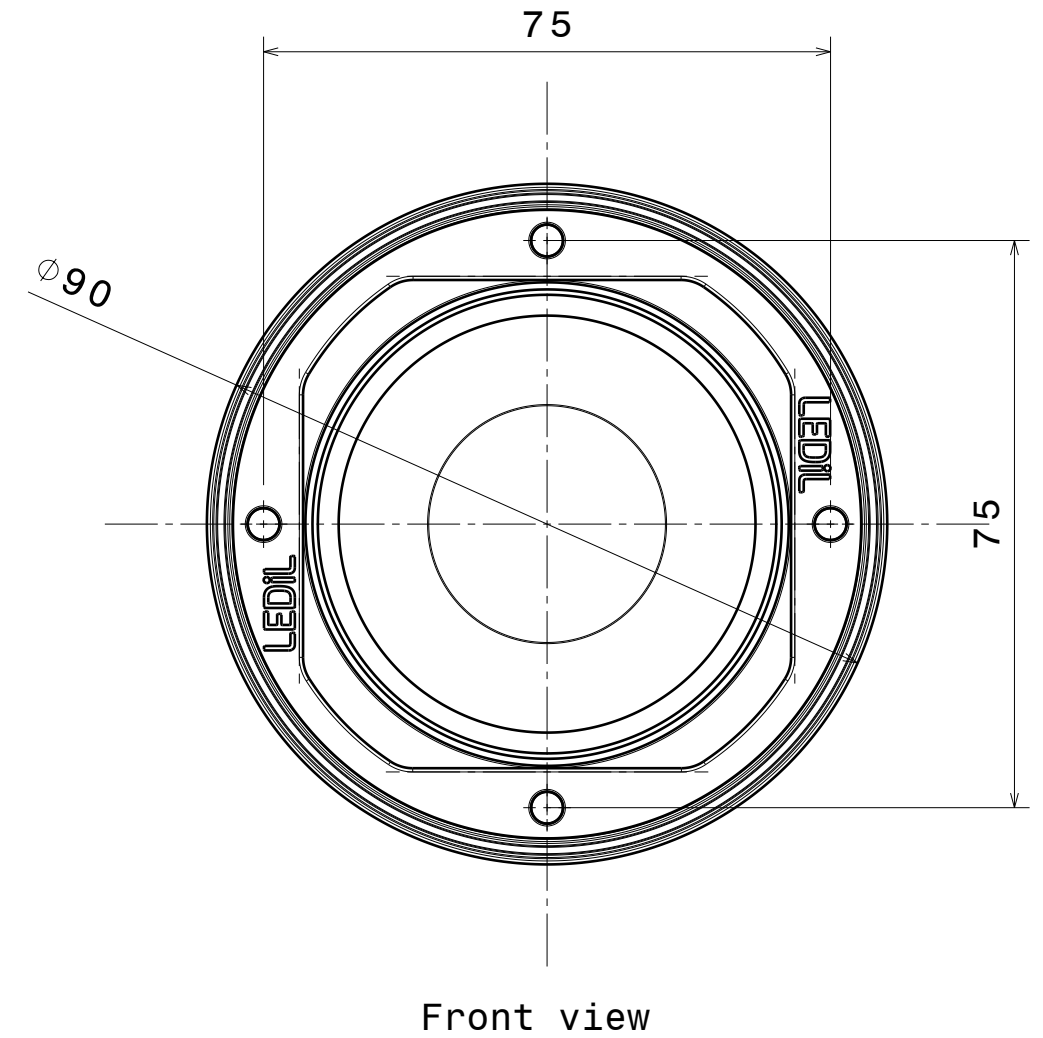
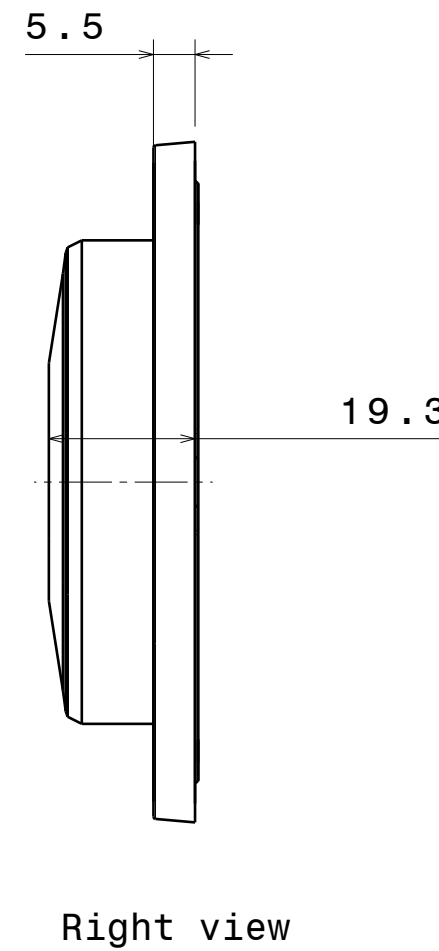
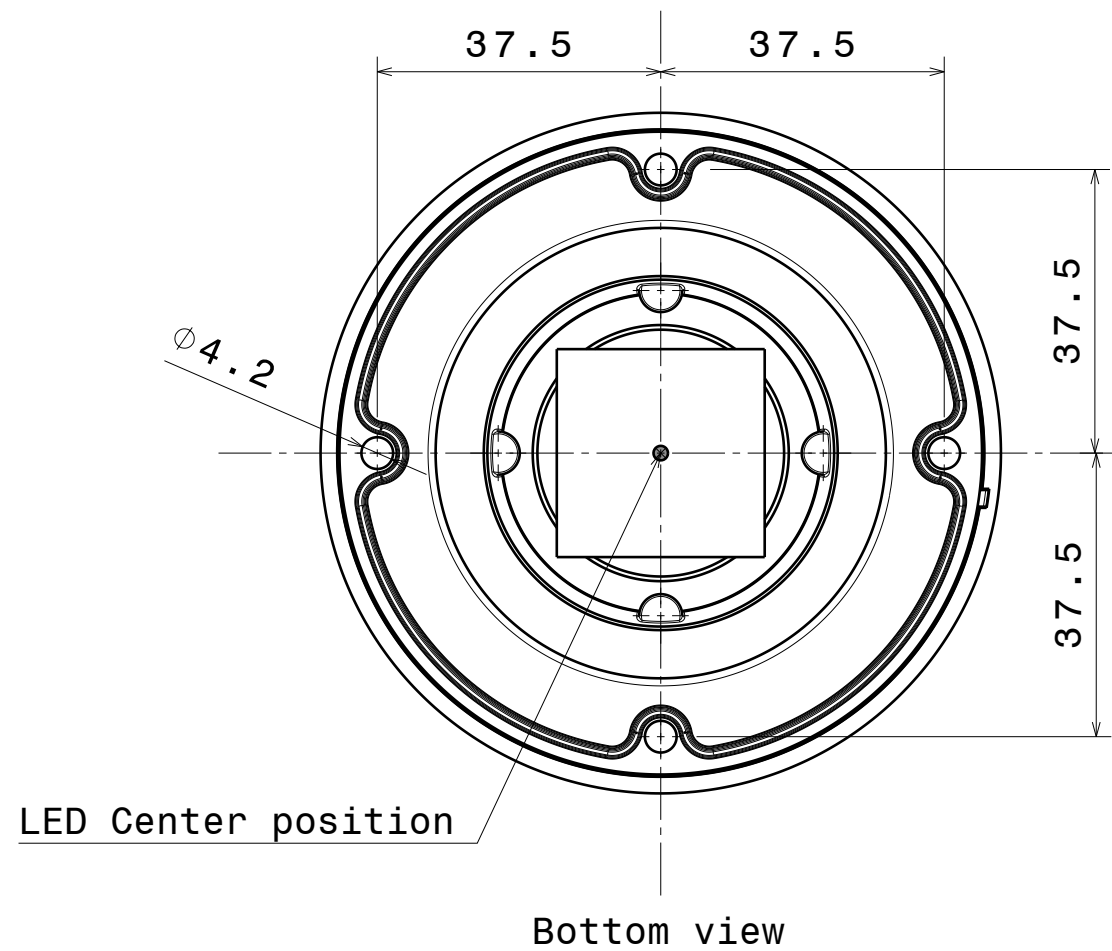
### OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
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
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	-
LUXEON CoB 1216	72 deg	HighBay	94 %	0.720	-
CLL05x/CLU05x	73 deg	HighBay	93 %	0.630	-
CXM-22	73 deg	HighBay	93 %	0.700	-
VERO18	75 deg	HighBay	93 %	0.700	-
CLL04x/CLU04x	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	-
Soleriq S19	84 deg	HighBay	92 %	0.570	-


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



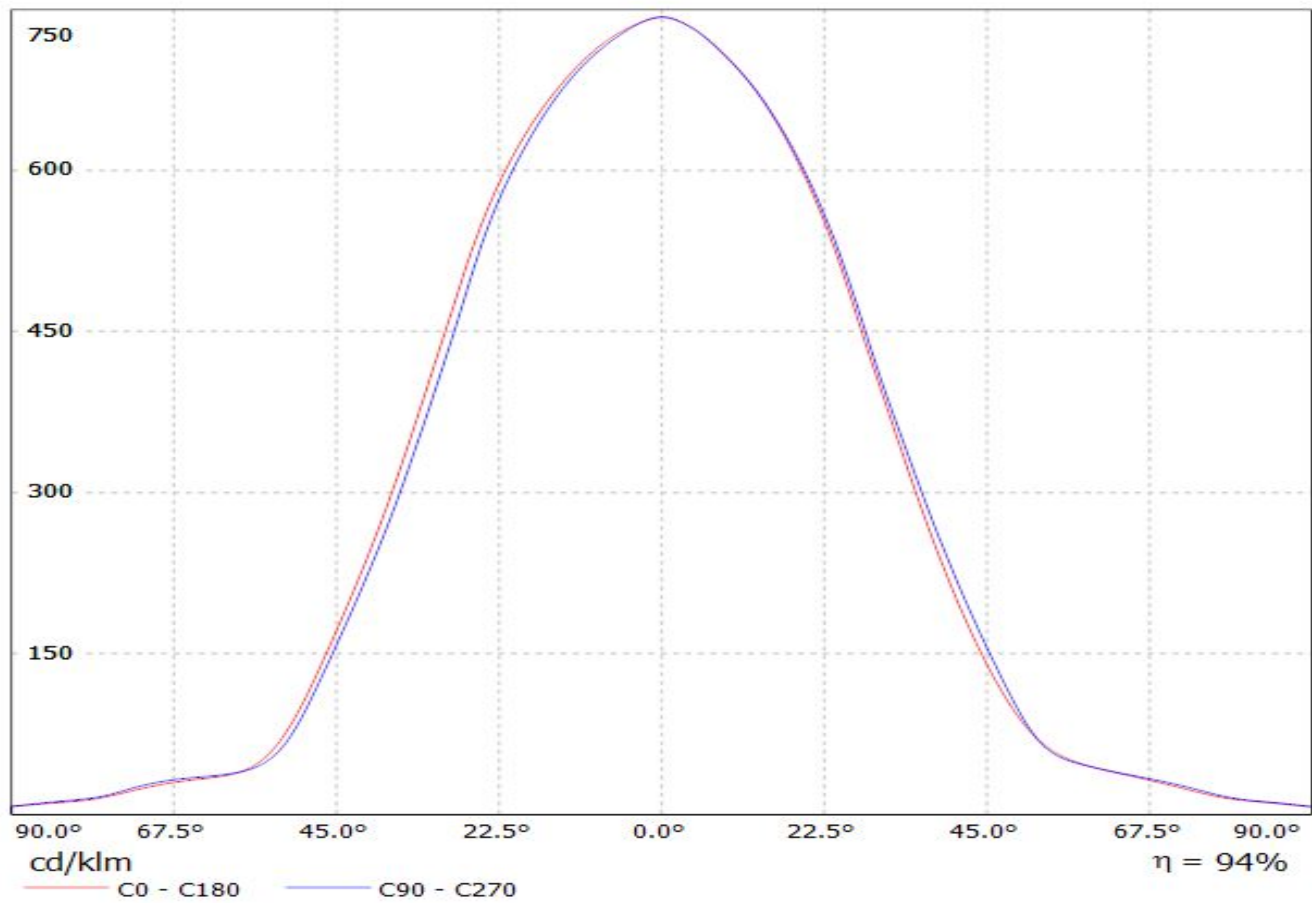
— 1: 0-180



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

<p>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.</p>	<div>LEDiL</div>		<p>Ledil Oy Salorankatu 10 FIN 24240 SALO Finland</p>	
<p>THIRD ANGLE PROJECTION:</p> <div></div>	<p>DRAWING TITLE</p> <p>STELLA-HB datasheet</p>			
<p>This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."</p>	<p>SIZE</p> <p>A3</p>	<p>PART NUMBER</p> <p>FN14074</p>		
	<p>SCALE</p> <p>1 : 1</p>	<p>WEIGHT</p> <p>(g)</p>		<p>SHEET</p> <p>1 / 1</p>

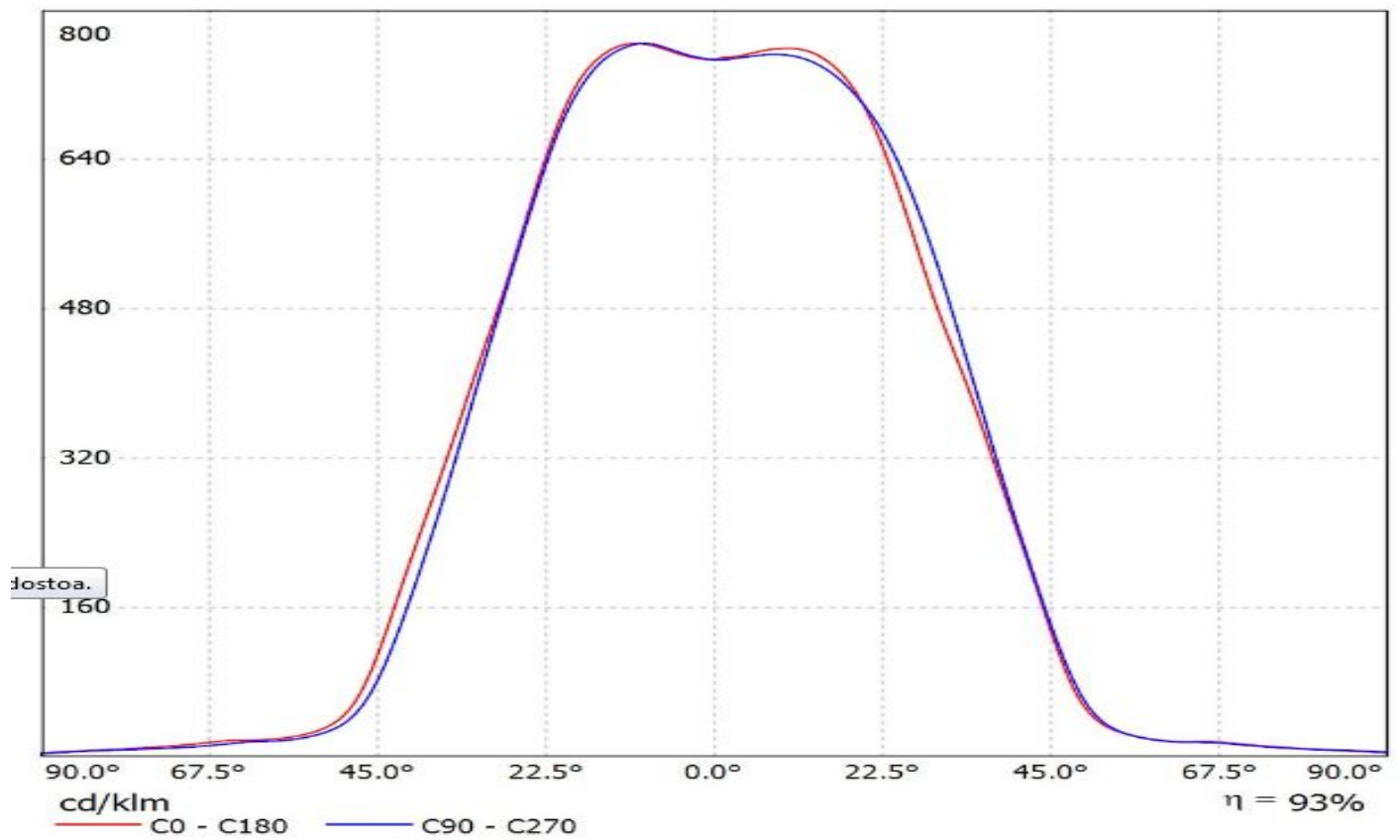
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CLL050)  
Lamps: 1 x CLL050+\_B+W\_458\_Typ\_L4\_1471.17lm@250mA\_P=12.0411W\_I=250mA



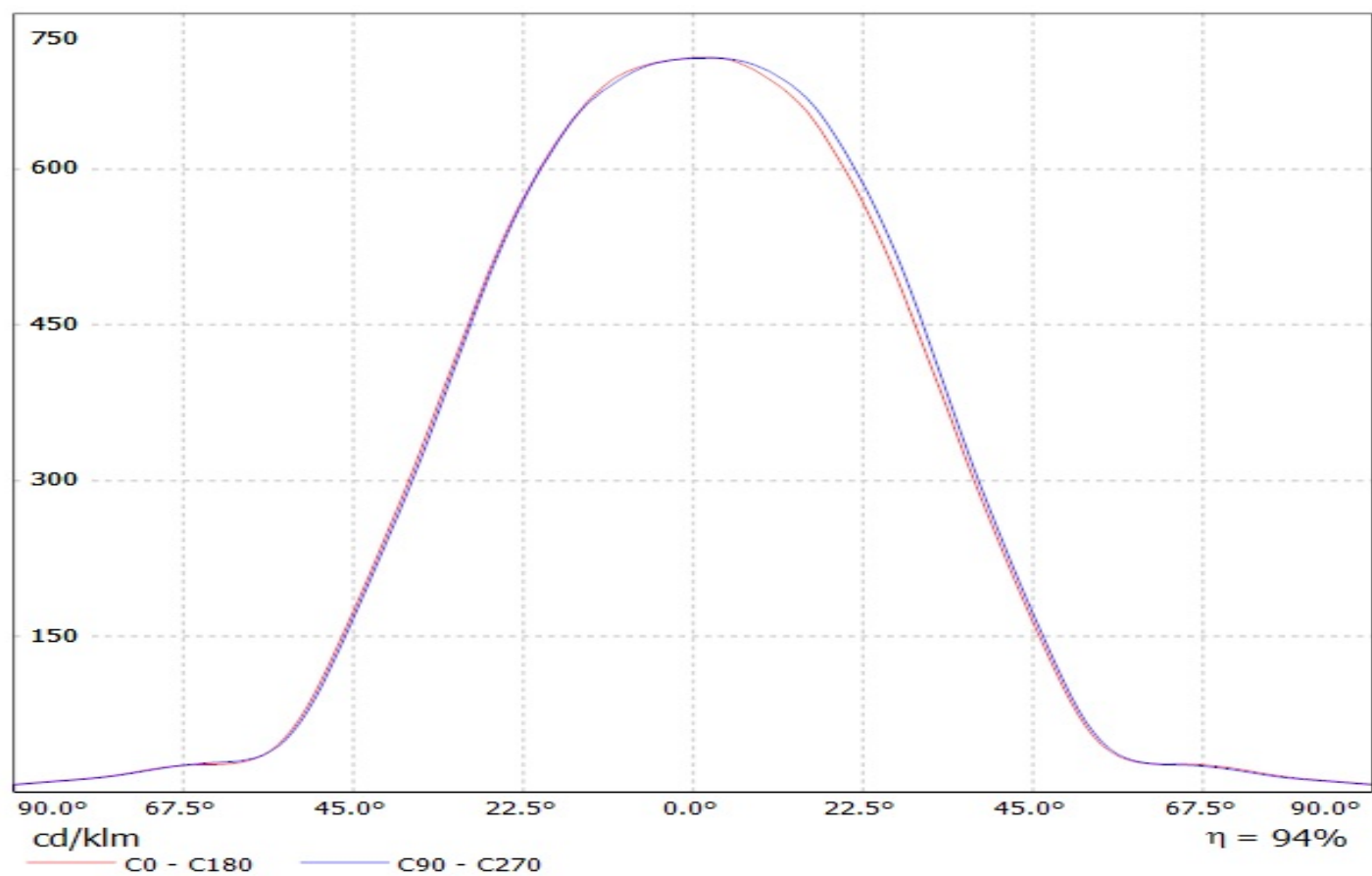
## Ledil FN14074\_STELLA-HB\_(CLU044)\_(431\_Typ\_L3) / LDC (Linear)

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



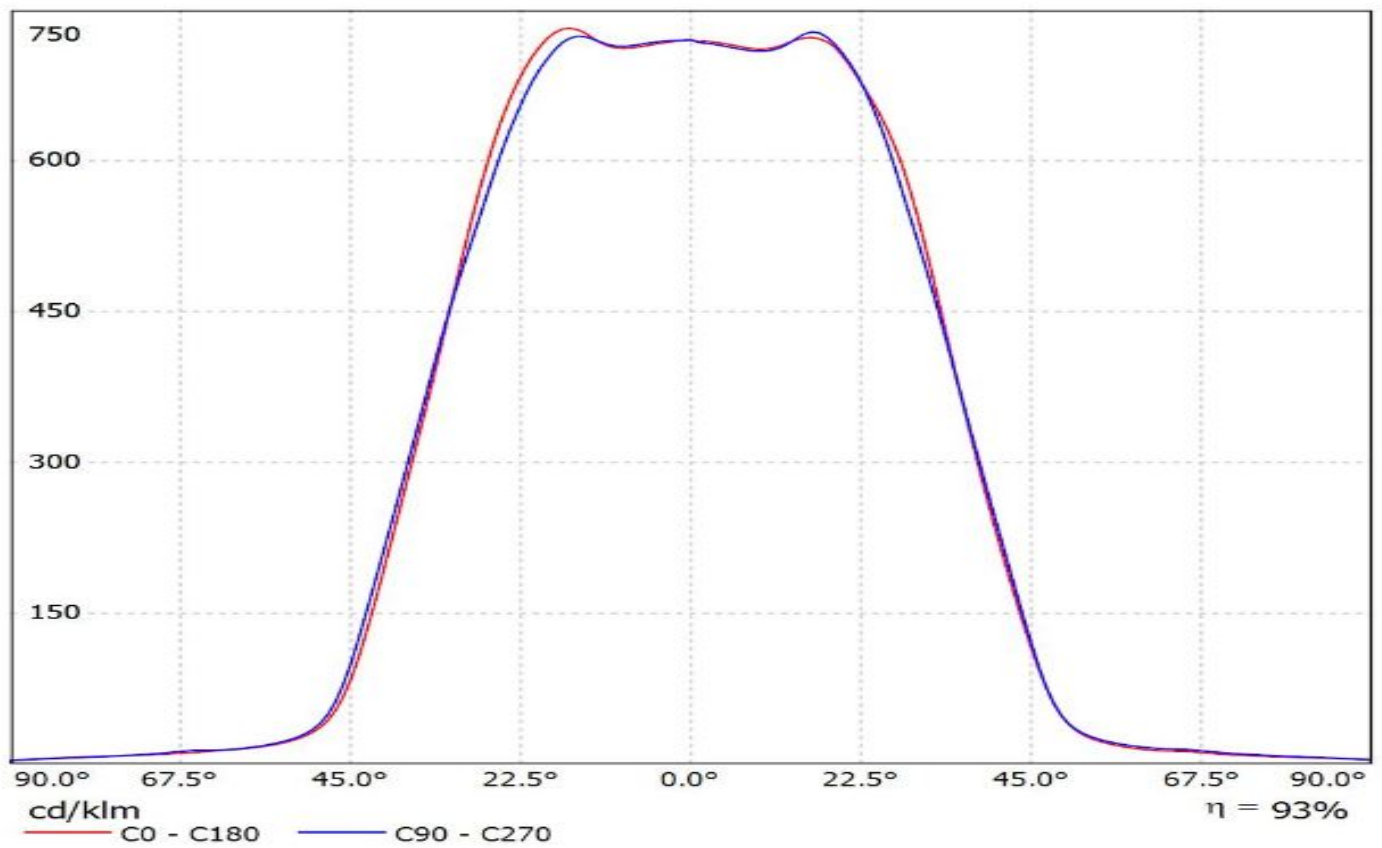
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(VERO29)  
Lamps: 1 x Bridgelux\_VERO29\_(BXRC-50C10K0-L-04)  
\_568.615lm@100mA\_CCT=4910K\_P=3.4015W\_I=100.1mA



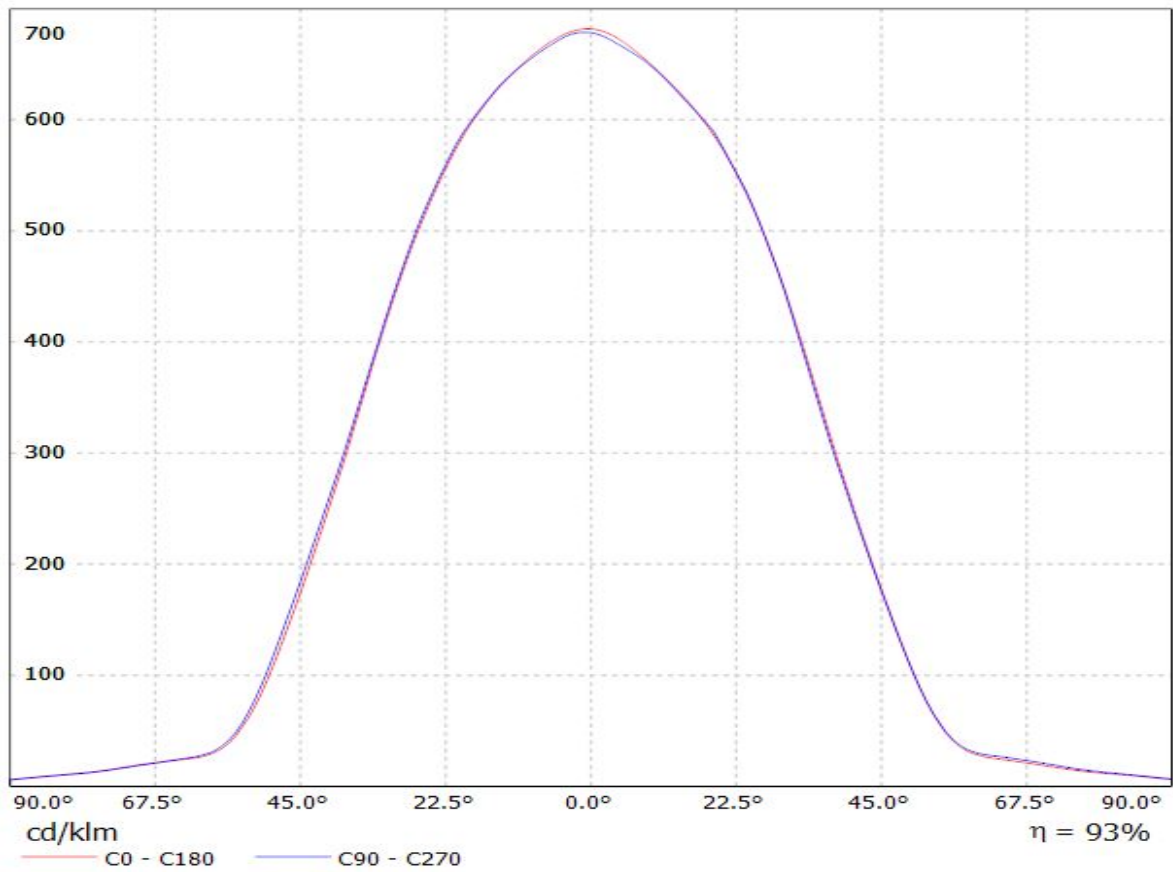
## Ledil FN14074\_STELLA-HB\_(CoB\_1211)\_(431\_Typ\_L3) / LDC (Linear)

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

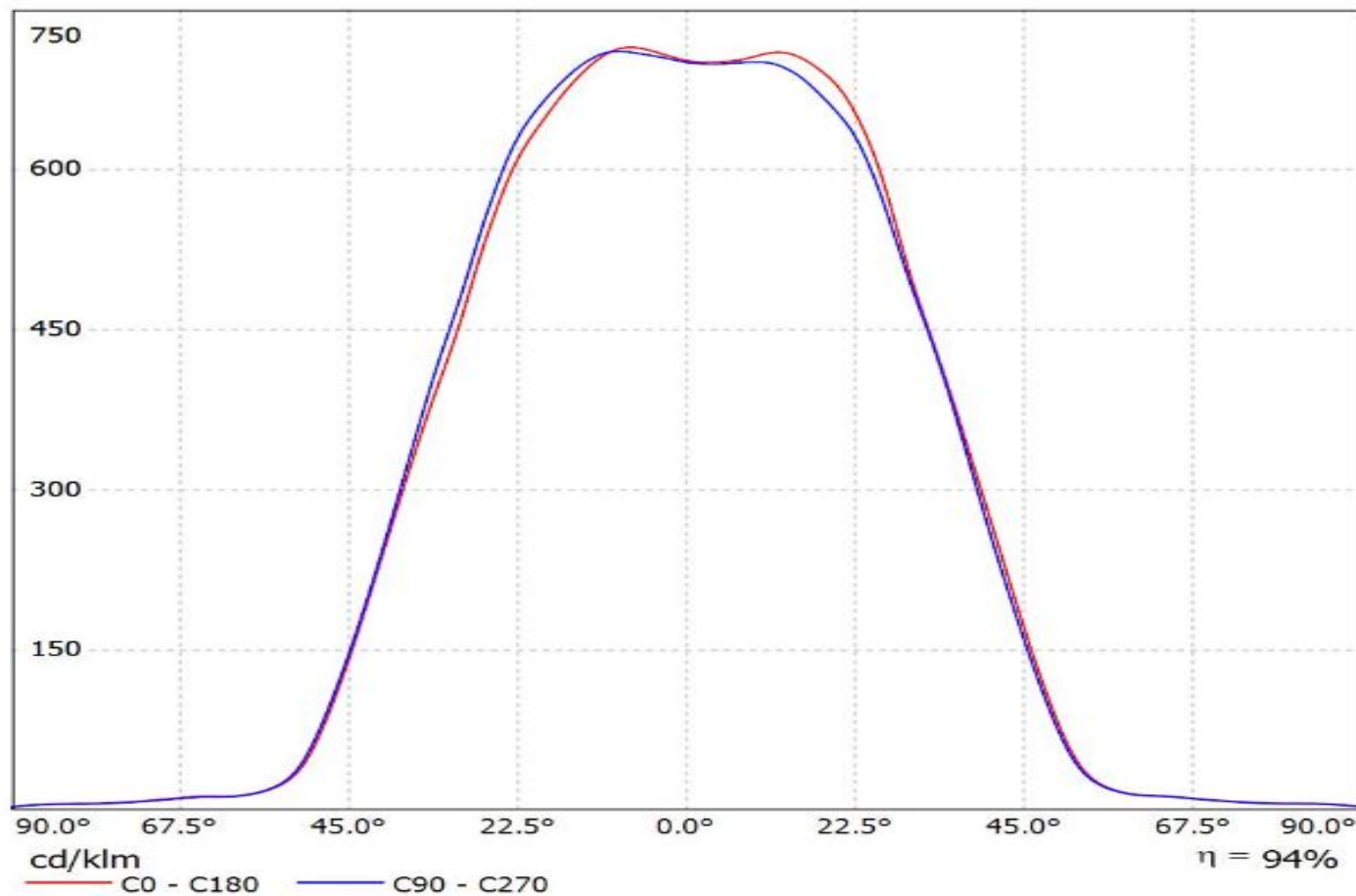


Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXA3590)  
Lamps: 1 x Cree\_CXA3590\_(CXA3590-30F-BD-R0H-0002)\_2639.65lm@250mA\_CCT=3000K\_P=16.3039W\_I=249.8mA



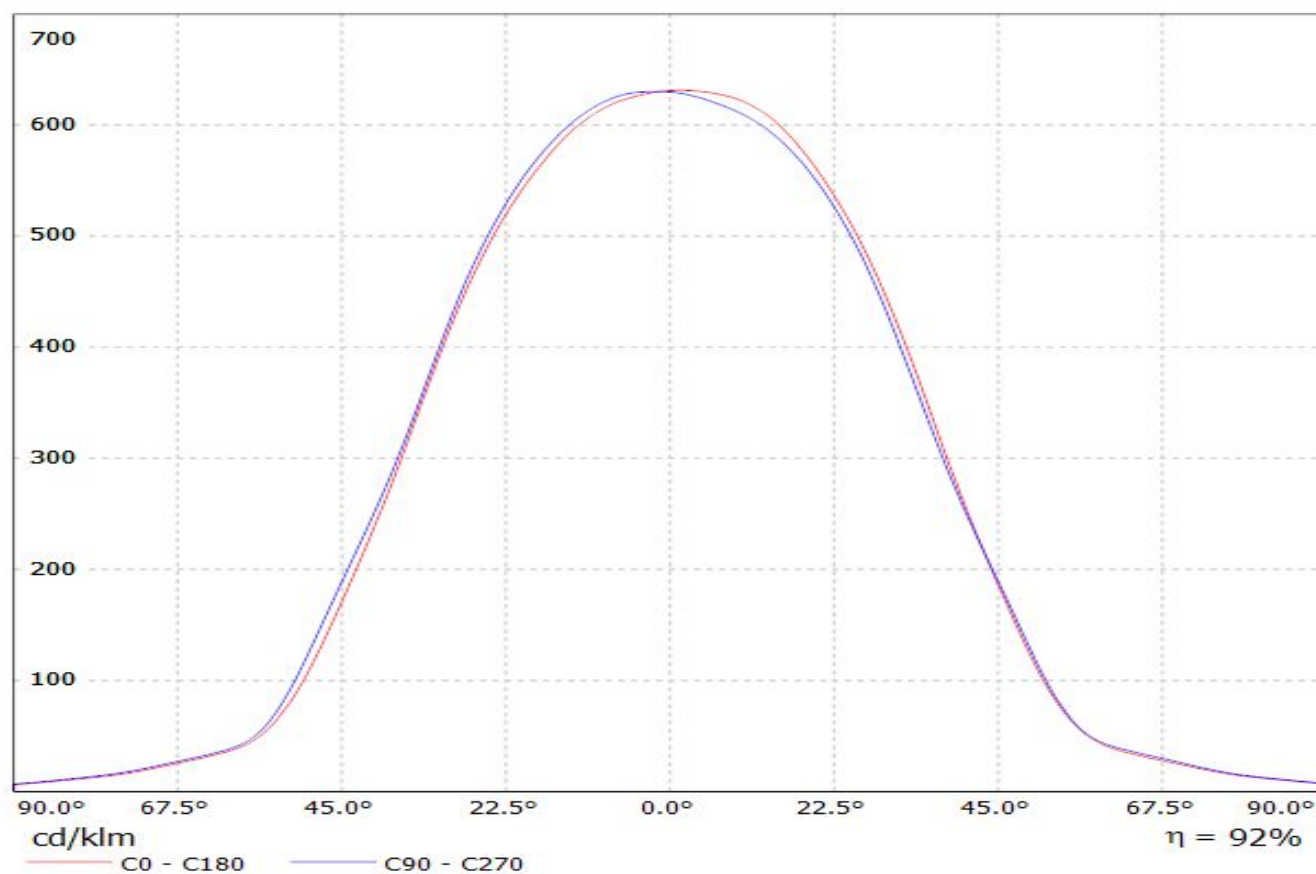


Luminaire: Ledil FN14074\_STELLA-HB\_(CoB\_1216)  
Lamps: 1 x Luxeon\_CoB\_1216\_(L2C2-40801216E2300)\_1468.12lm@250mA\_P=7.9868W\_I=0.25A

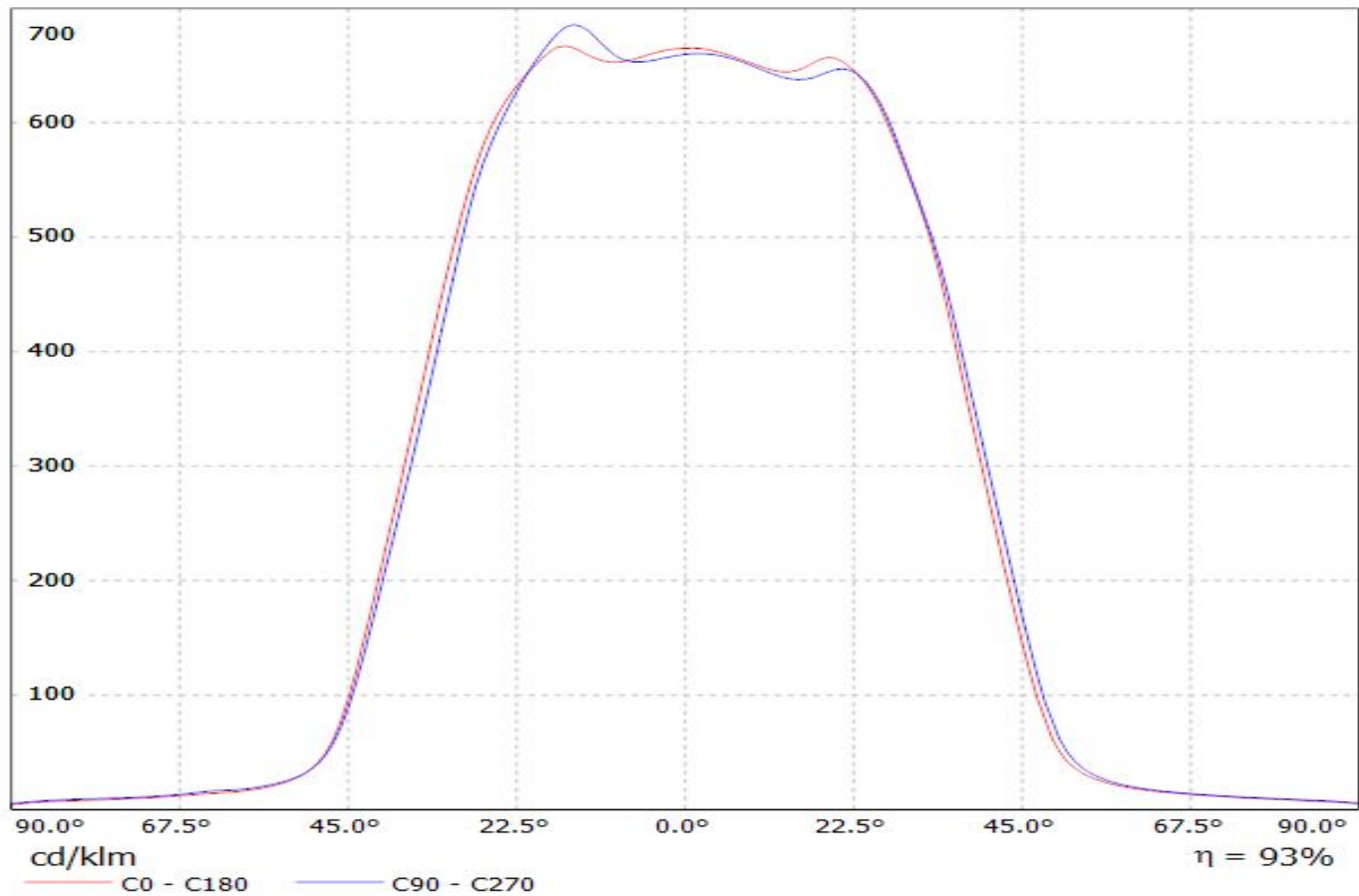


Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CLL050) Eff.92.5%

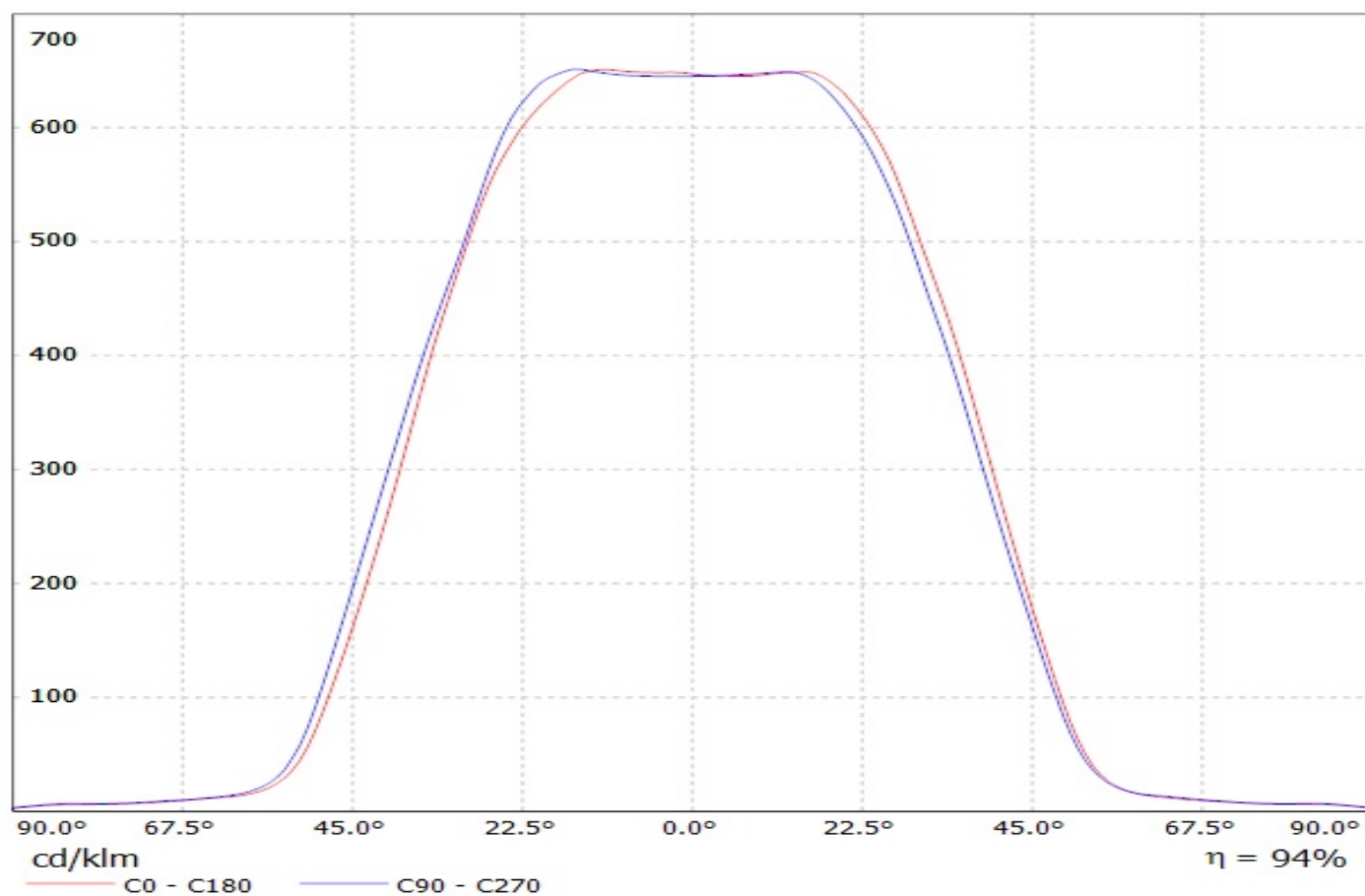
Lamps: 1 x CITIZEN\_CLL050\_(1825A1-50KL1A1)\_1941.5lm@250mA\_CCT=5000K\_P=11.9872W\_I=249.8mA



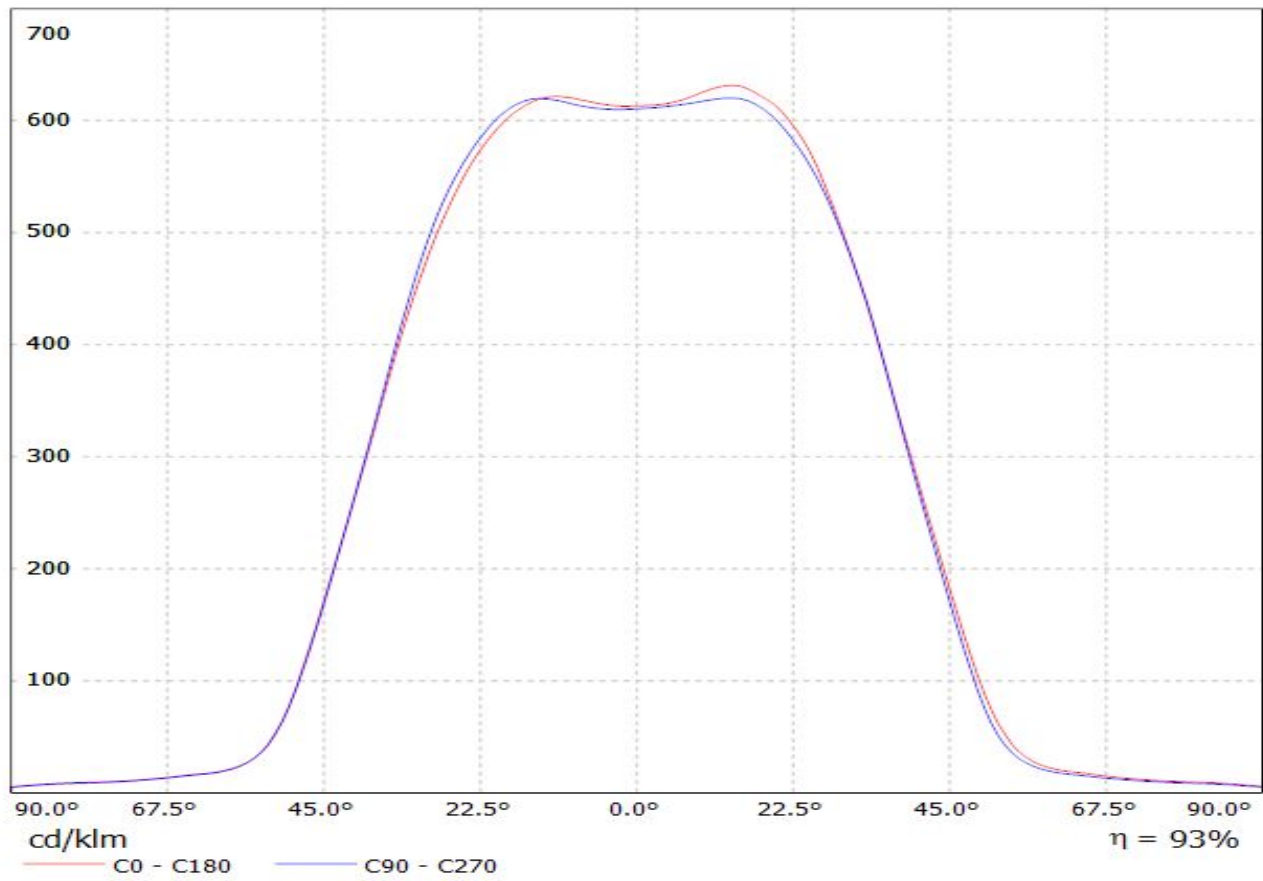
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(VERO18) Eff.93%  
Lamps: 1 x VERO18\_(BXRC30E4000F)\_904.503lm@250mA P=6.79928W I=249.9mA



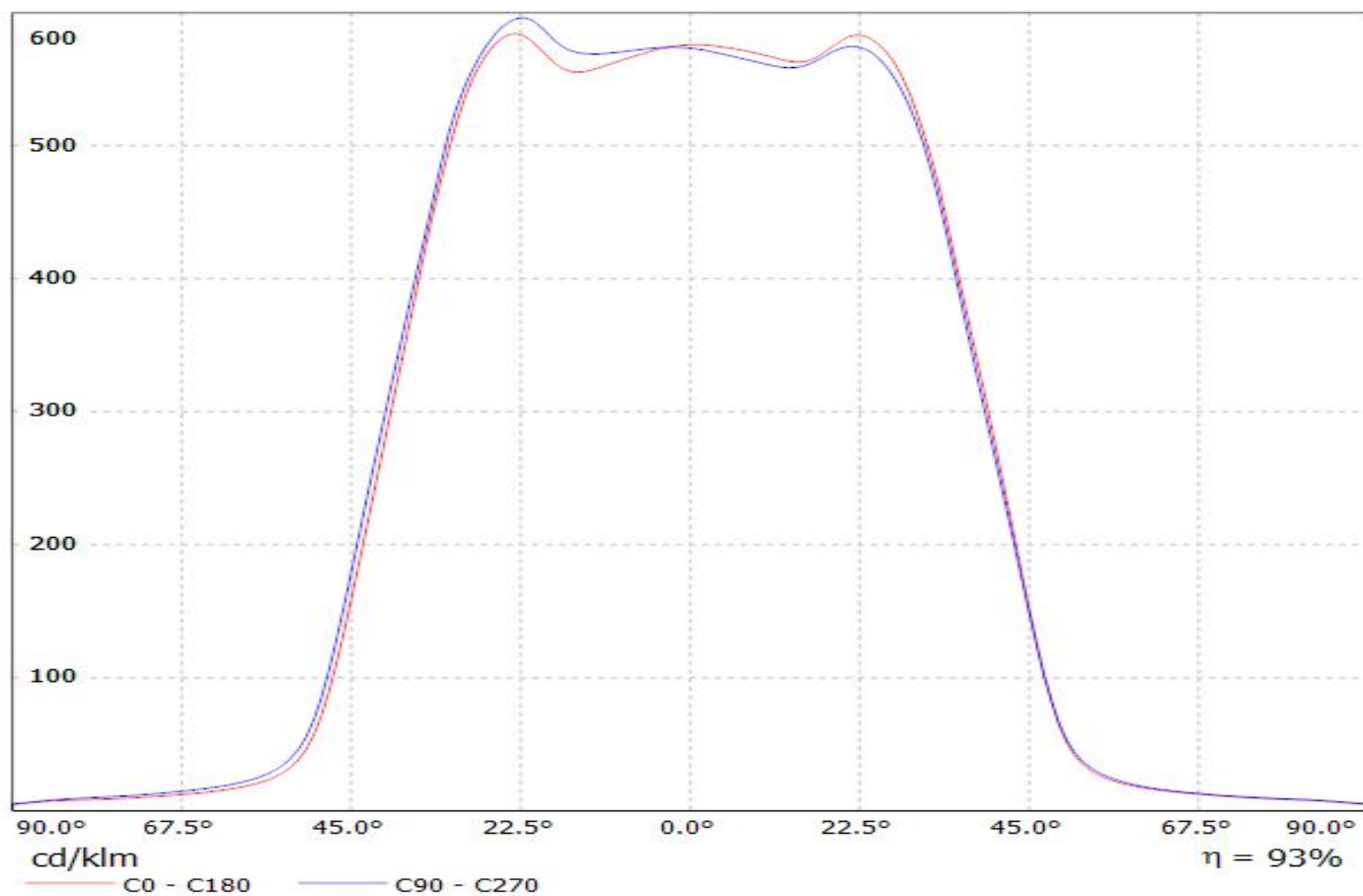
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CLU046)  
Lamps: 1 x Citizen\_CLU046\_1354.66lm@250mA\_P=8.06877W\_I=0.2499A



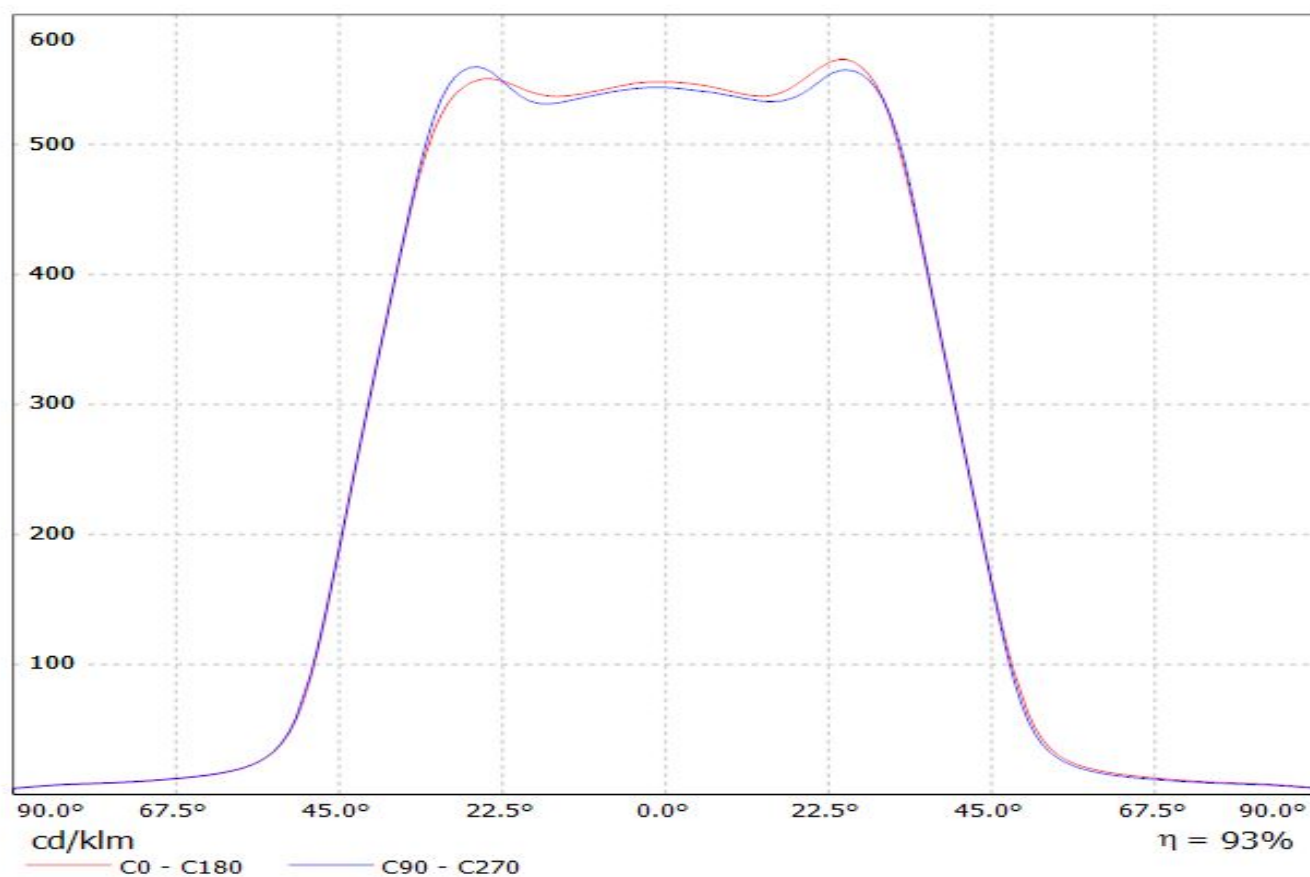
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXA3050)  
Lamps: 1 x Cree\_CXA30\_(CXA3050-3C0-Y2-N0H)\_1369.14lm@250mA\_CCT=5000K\_P=8.14498W\_I=249.8mA



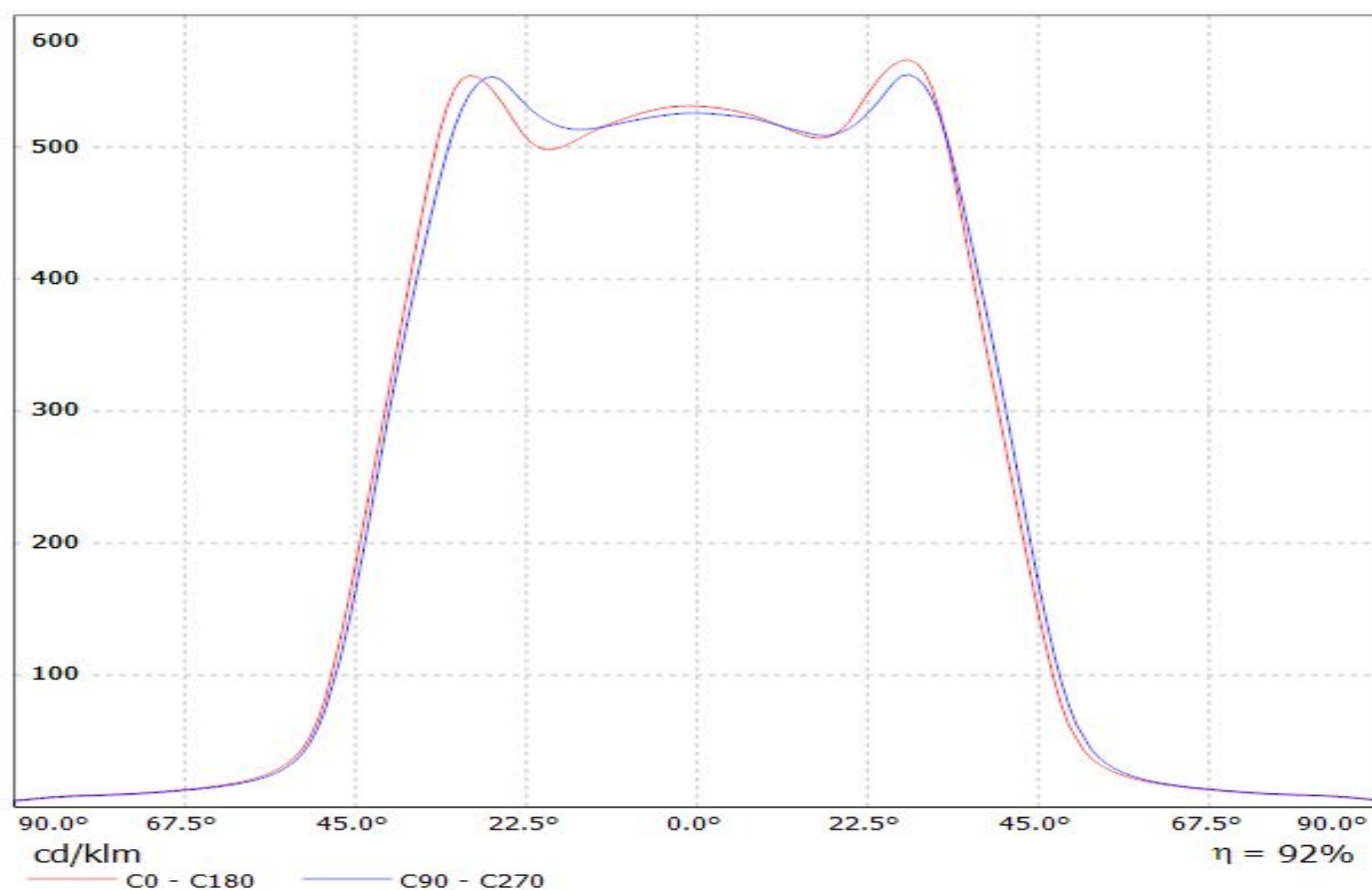
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXM-18) Eff.92.8%  
Lamps: 1 x LUMINUS\_XNOVA\_CXM-18\_897.842lm@250mA\_P=8.12425W\_I=249.9mA



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



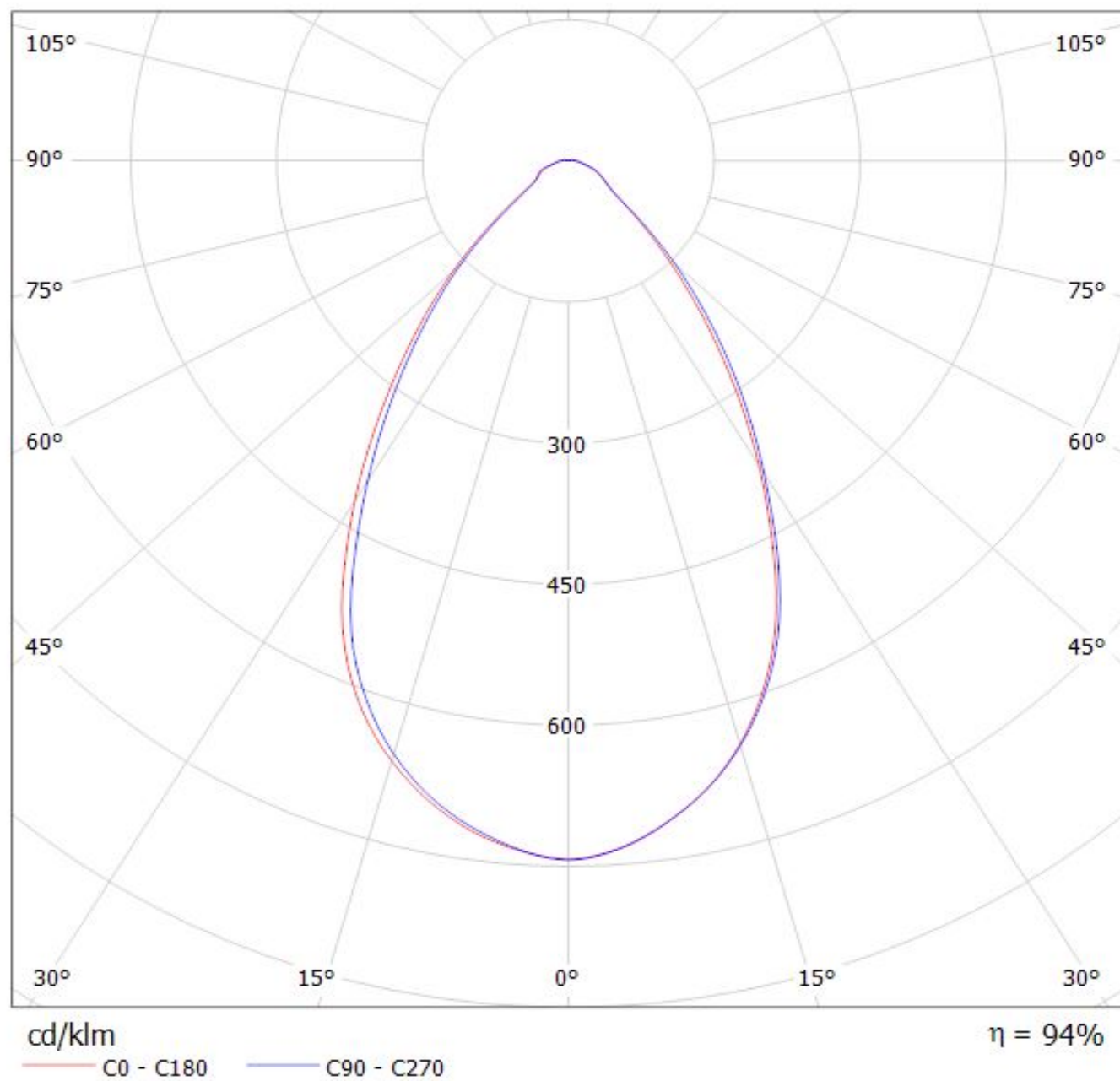
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(SOLERIQ\_S19) Eff.92.3%  
Lamps: 1 x OSRAM\_SOLERIQ\_S19\_(GW\_KAHJB1.EM)  
\_1401.57lm@250mA\_CCT=3000K\_P=10.4274W\_I=249.8mA





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

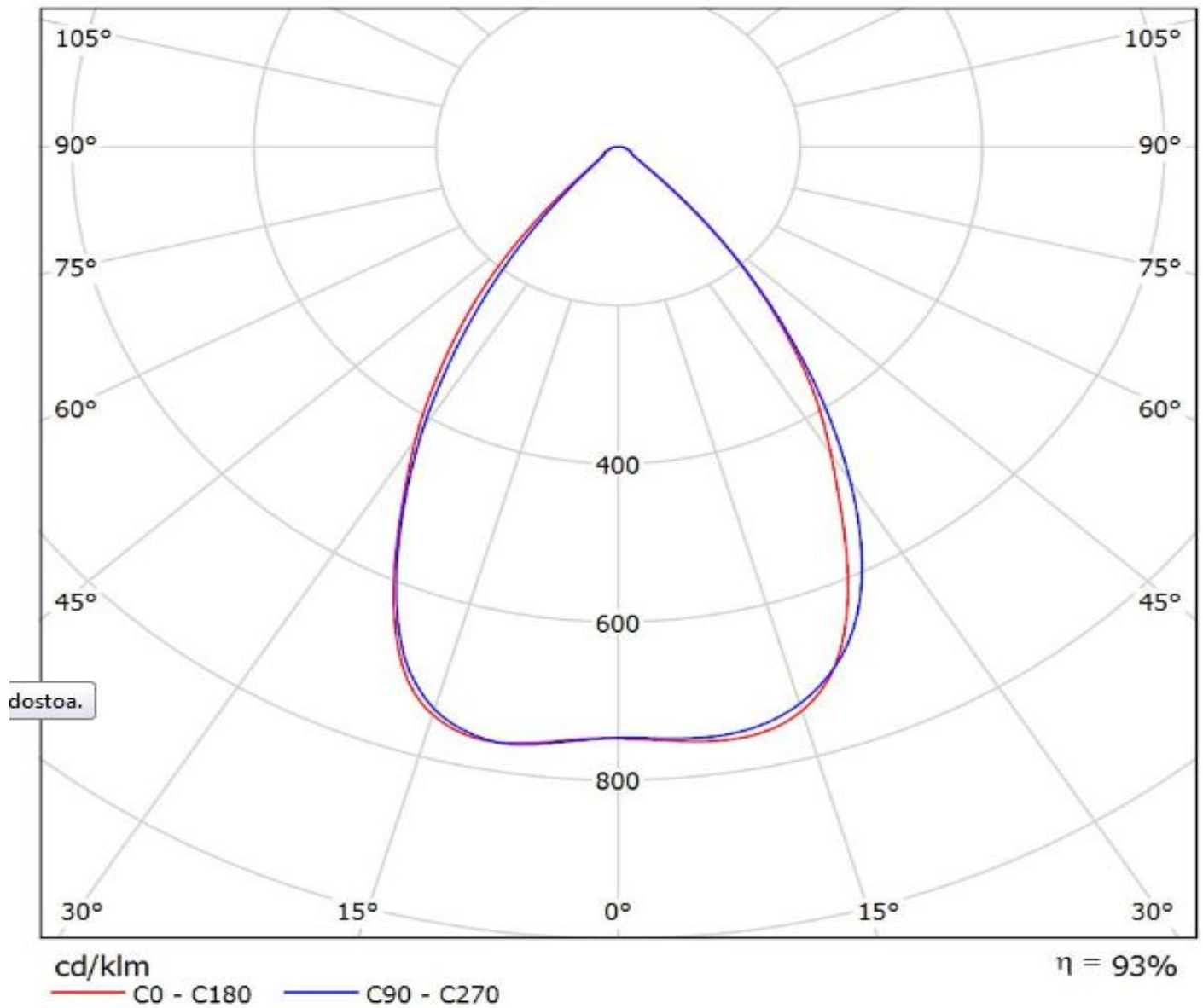
Lamps: 1 x CLL050+\_B+W\_458\_Typ\_L4\_1471.17lm@250mA\_P=12.0411W\_I=250mA



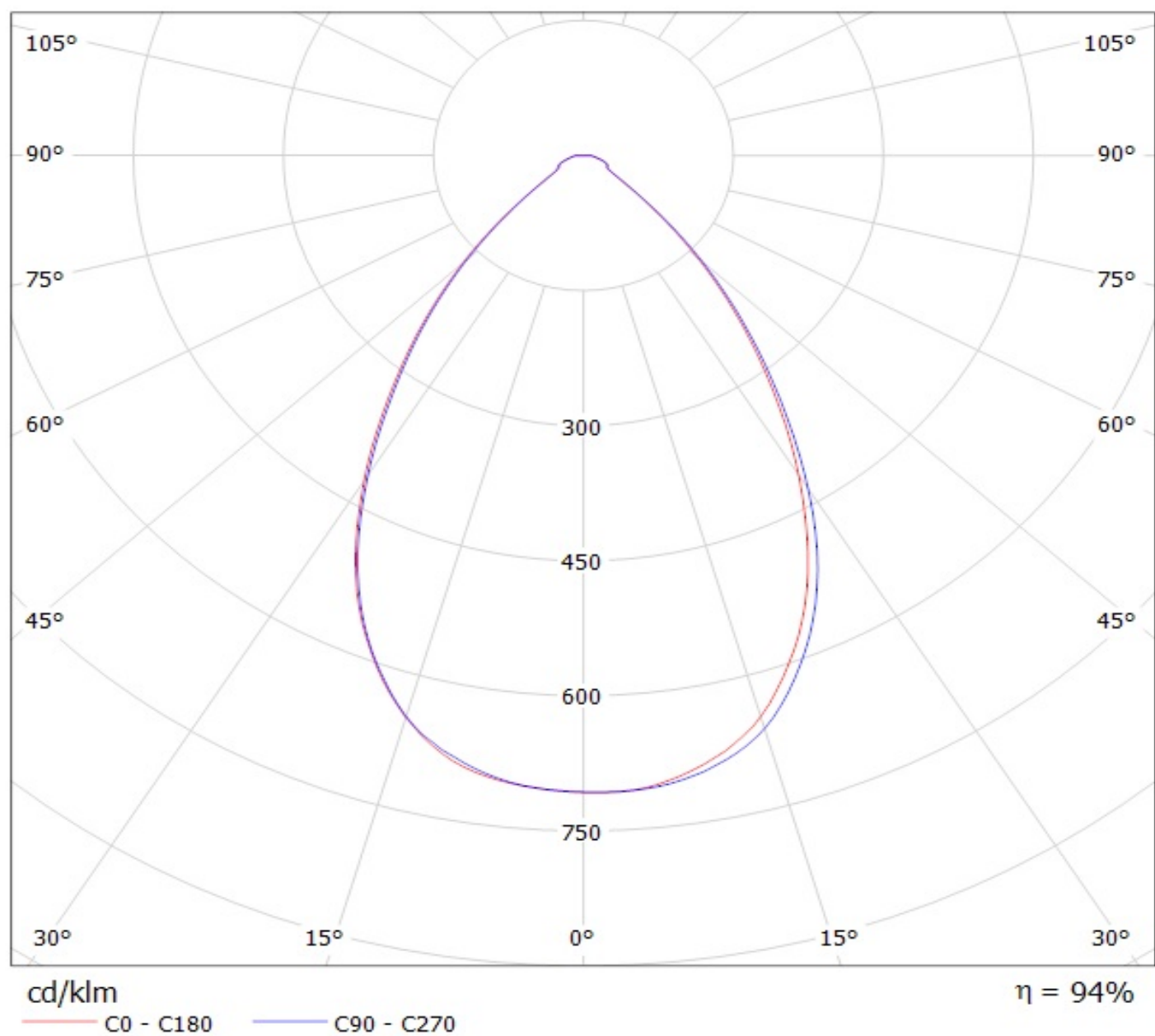
## Ledil FN14074\_STELLA-HB\_(CLU044)\_(431\_Typ\_L3) / LDC (Polar)

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



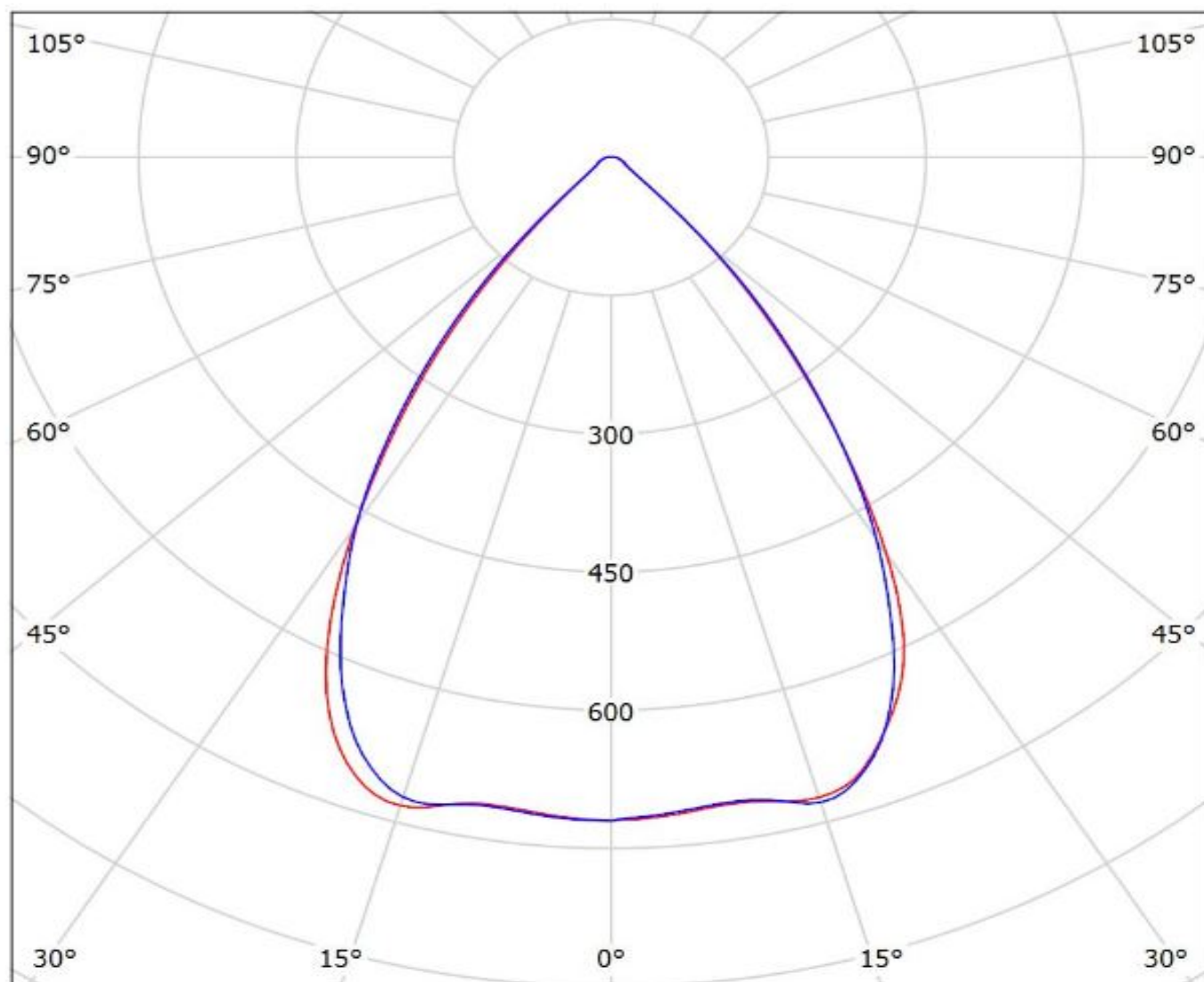
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(VERO29)  
Lamps: 1 x Bridgelux\_VERO29\_(BXRC-50C10K0-L-04)  
\_568.615lm@100mA\_CCT=4910K\_P=3.4015W\_I=100.1mA



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

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

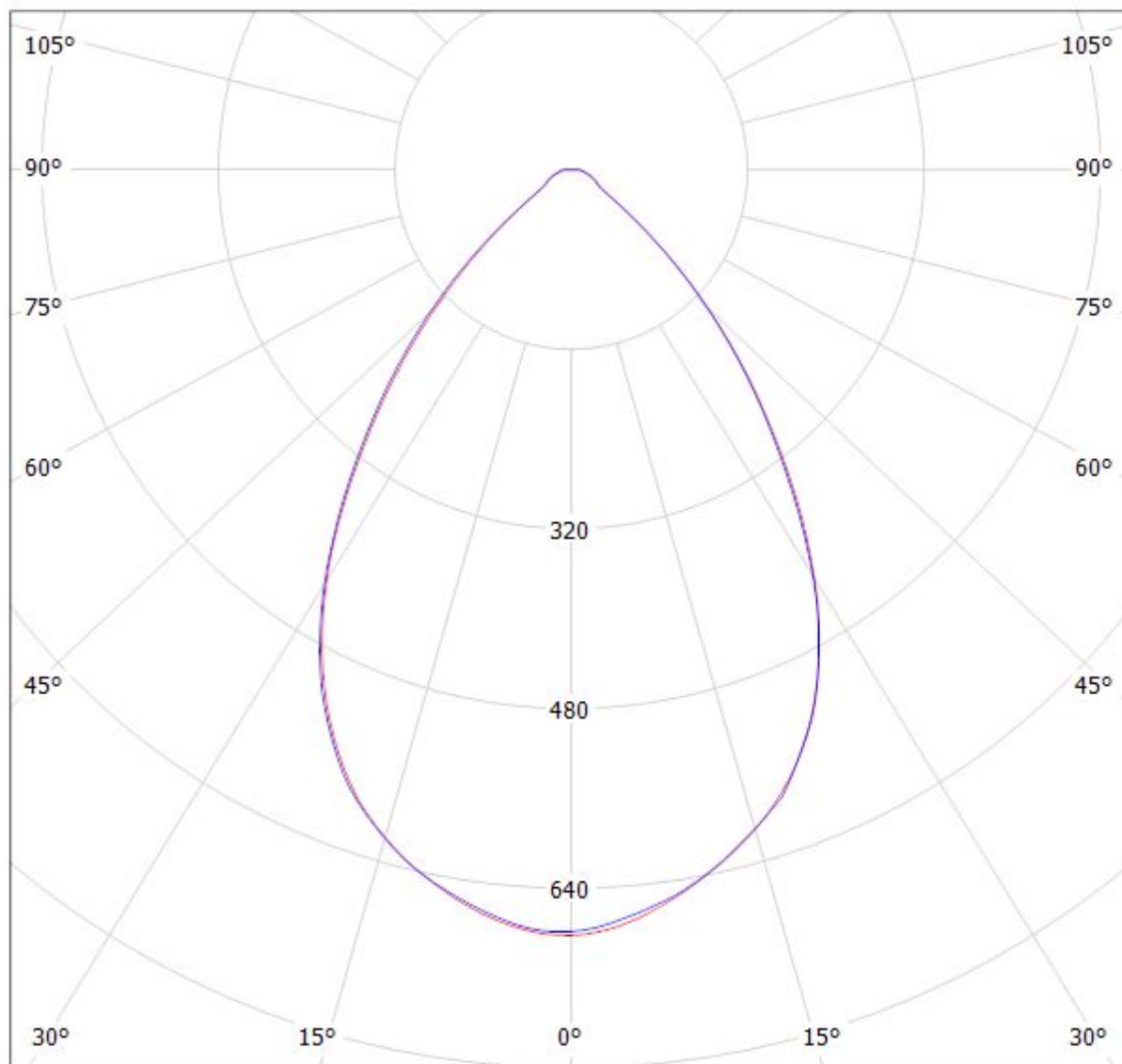
Lamps: 1 x Luxeon\_CoB\_1211\_(LHC1-2790-1211)\_952.748lm@250mA\_P=8W\_I=0.25A



$\eta = 93\%$

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

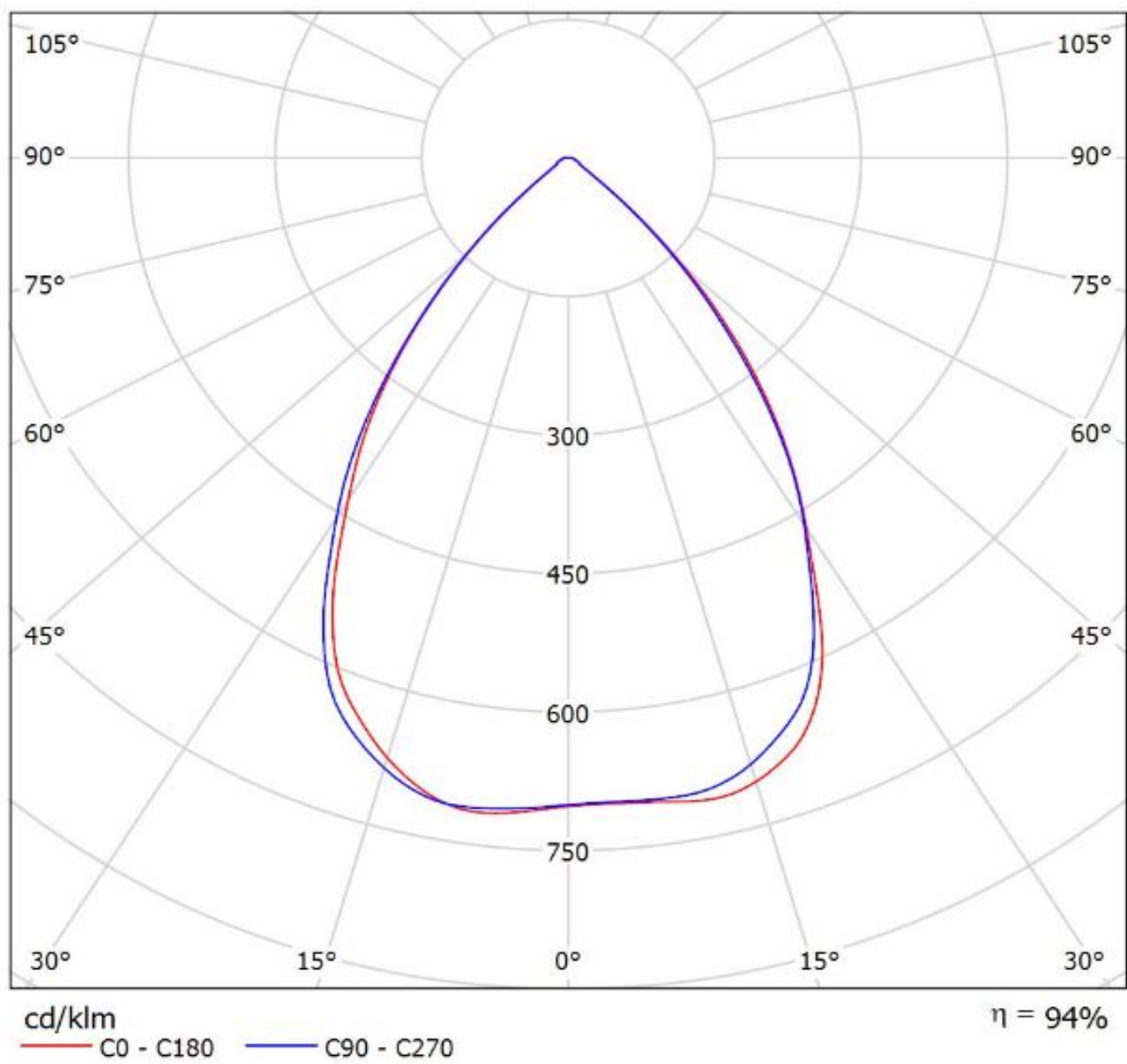


cd/klm

$\eta = 93\%$

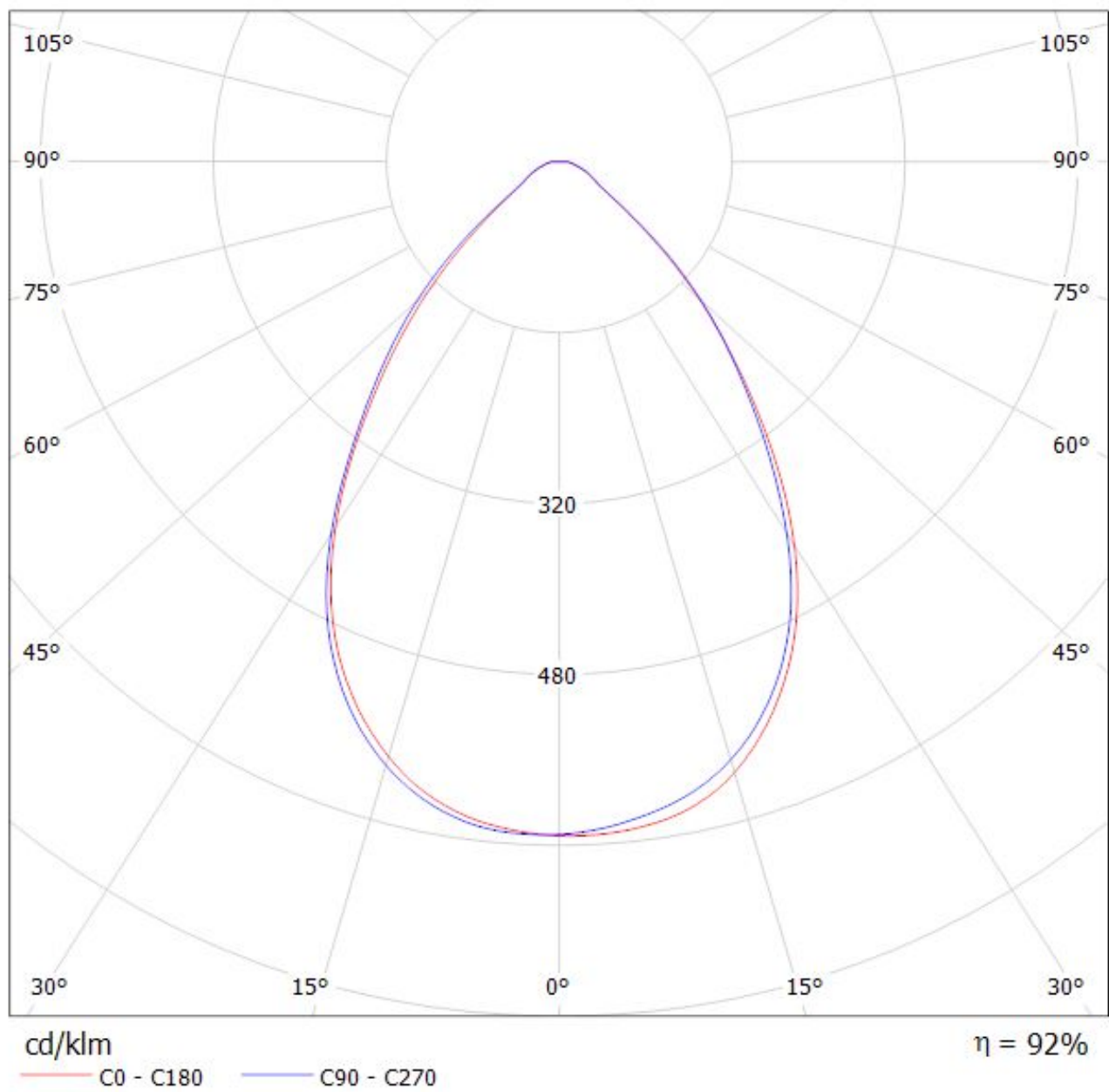
— C0 - C180 — C90 - C270

Luminaire: Ledil FN14074\_STELLA-HB\_(CoB\_1216)  
Lamps: 1 x Luxeon\_CoB\_1216\_(L2C2-40801216E2300)\_1468.12lm@250mA\_P=7.9868W\_I=0.25A

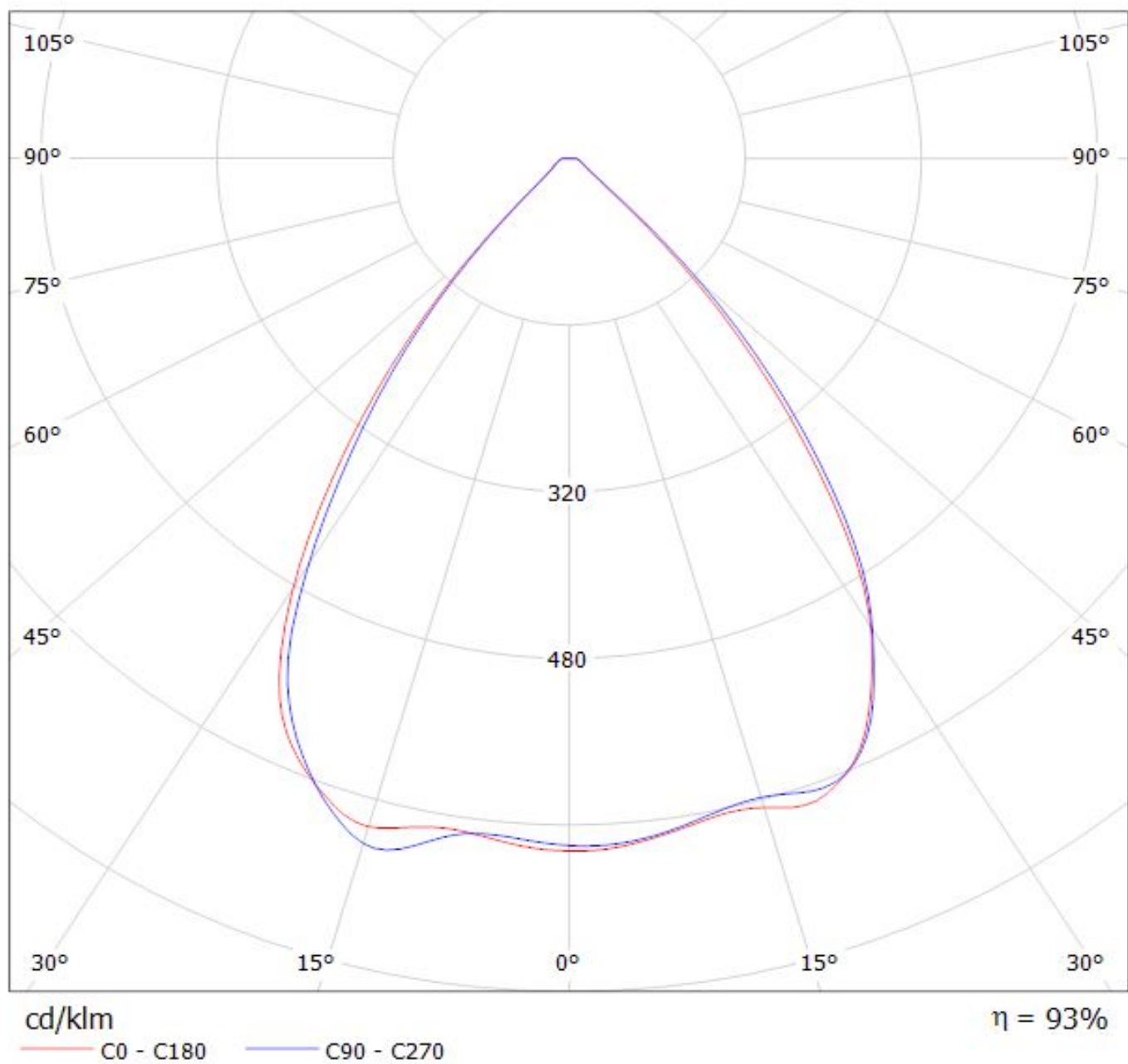




Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CLL050) Eff.92.5%  
Lamps: 1 x CITIZEN\_CLL050\_(1825A1-50KL1A1)\_1941.51lm@250mA\_CCT=5000K\_P=11.9872W\_I=249.8mA



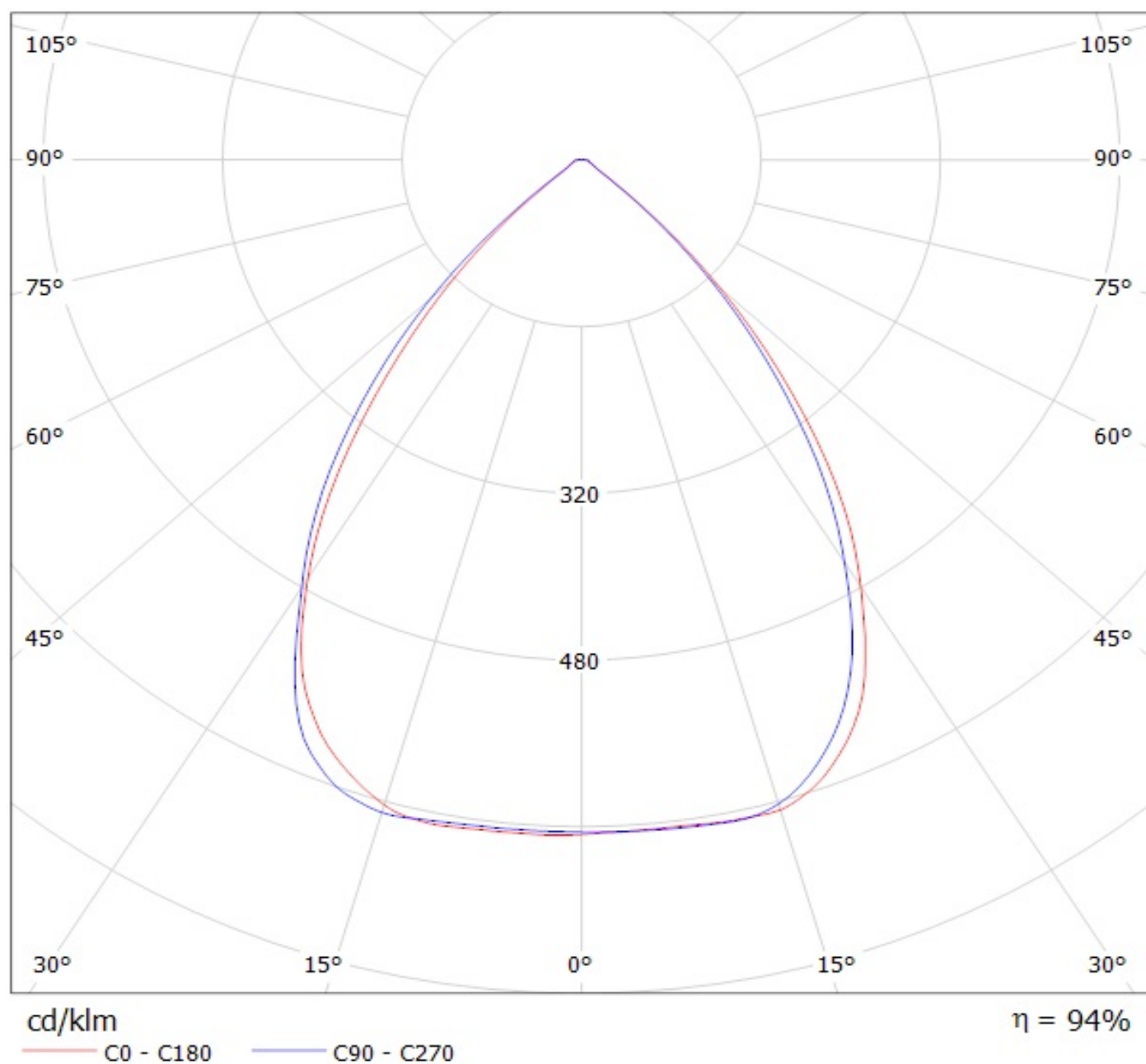
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(VERO18) Eff.93%  
Lamps: 1 x VERO18\_(BXRC30E4000F)\_904.503lm@250mA P=6.79928W I=249.9mA





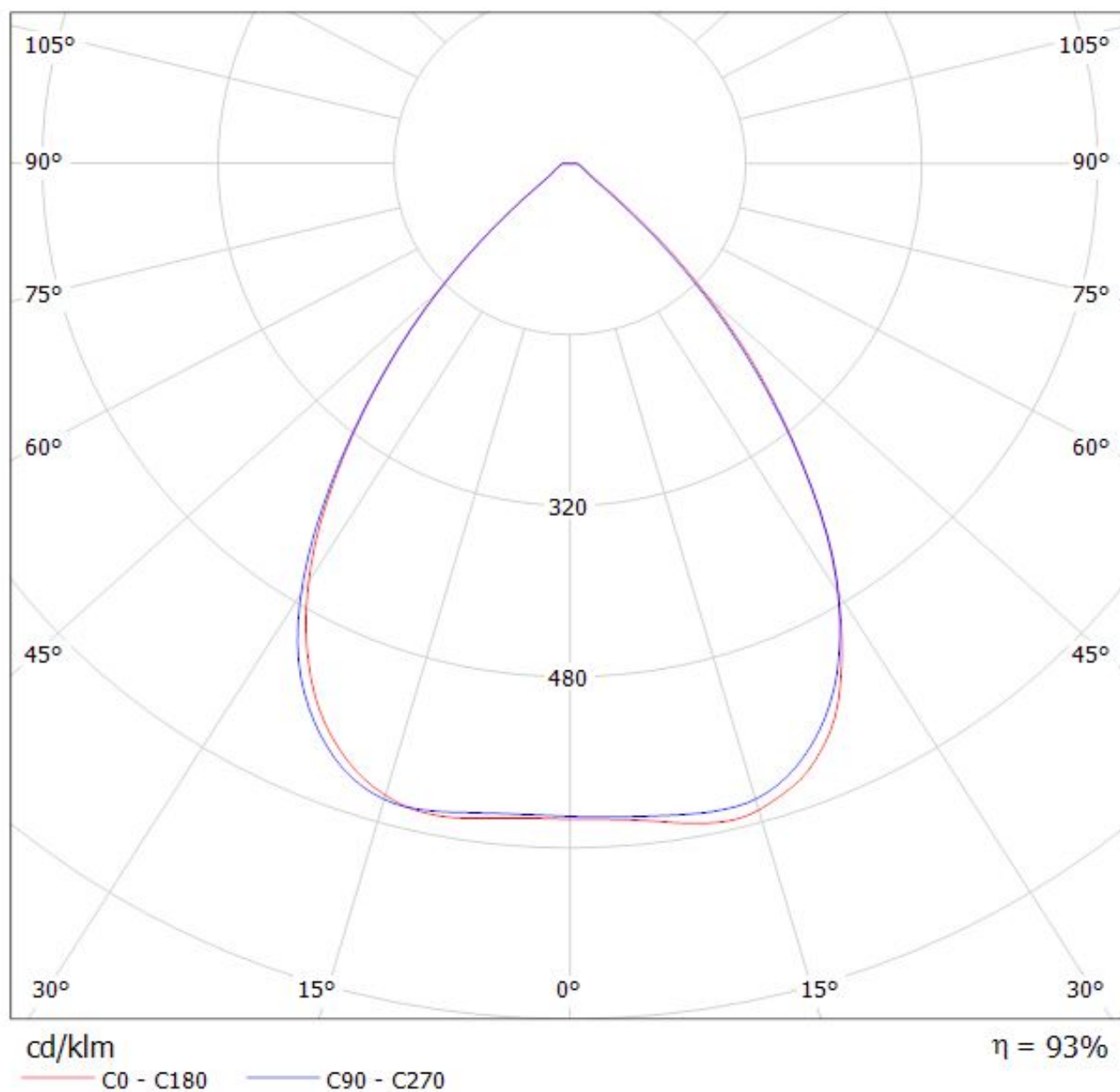
Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CLU046)

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

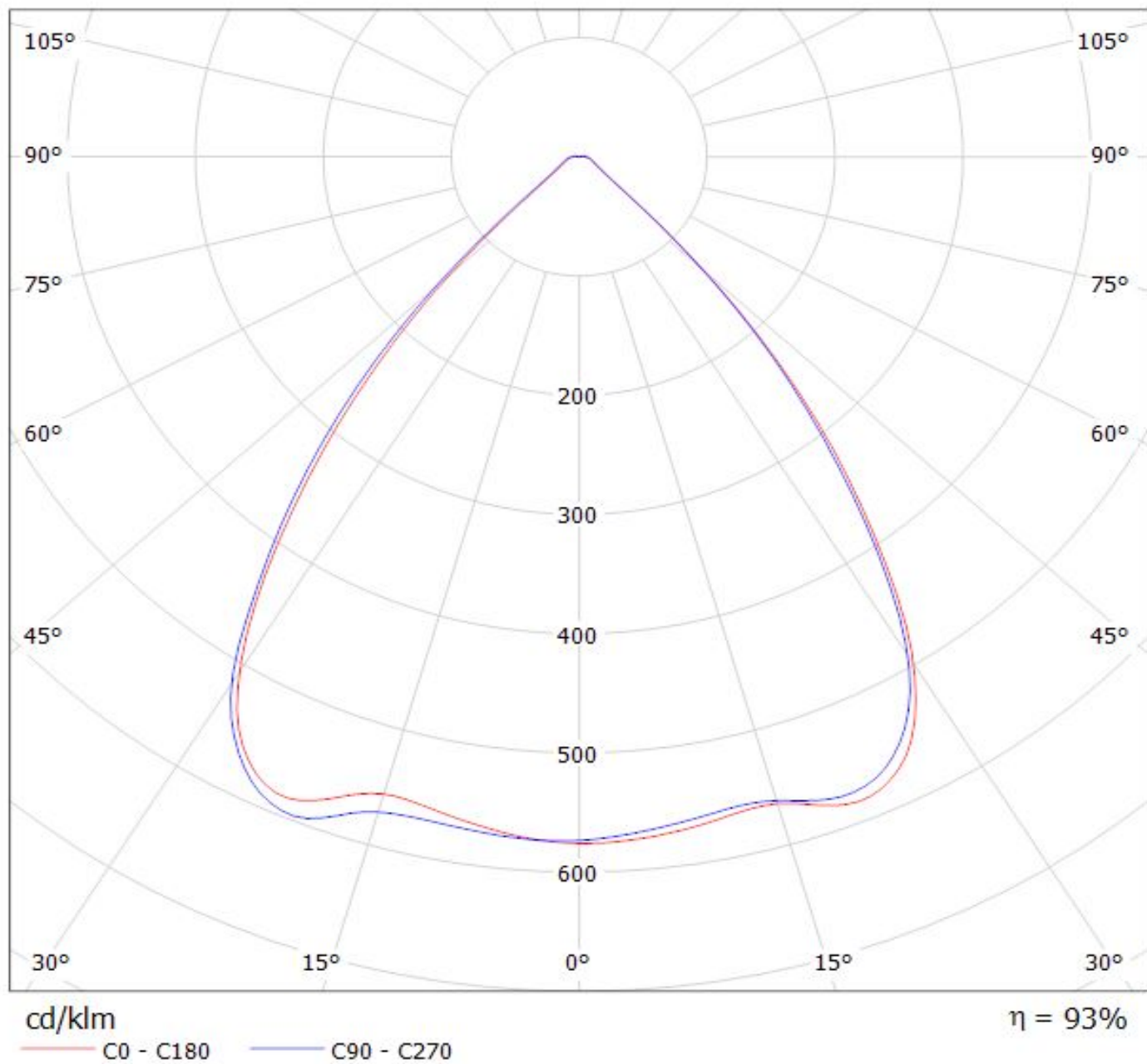


Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXA3050)

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

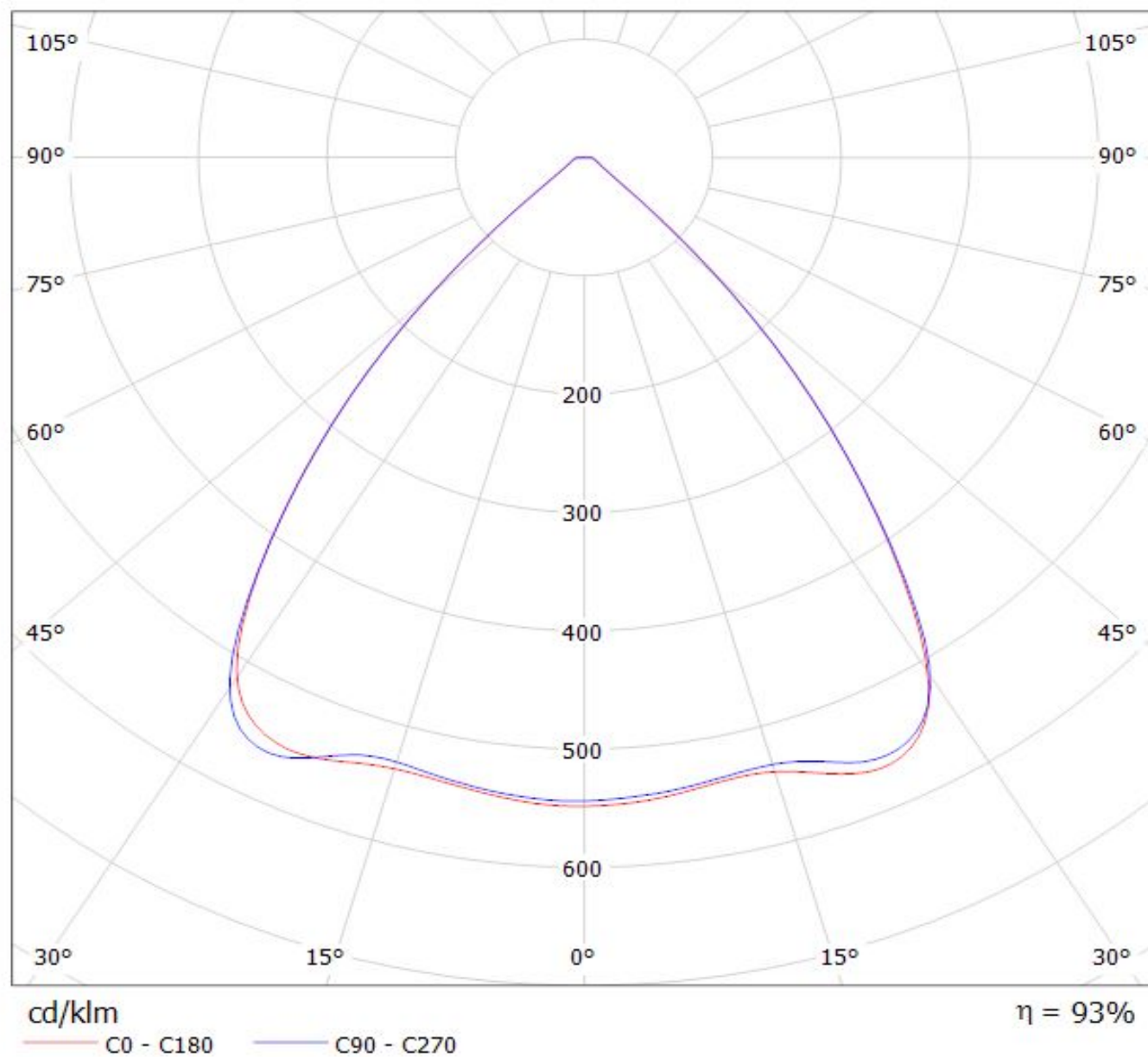


Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXM-18) Eff.92.8%  
Lamps: 1 x LUMINUS\_XNOVA\_CXM-18\_897.842lm@250mA\_P=8.12425W\_I=249.9mA

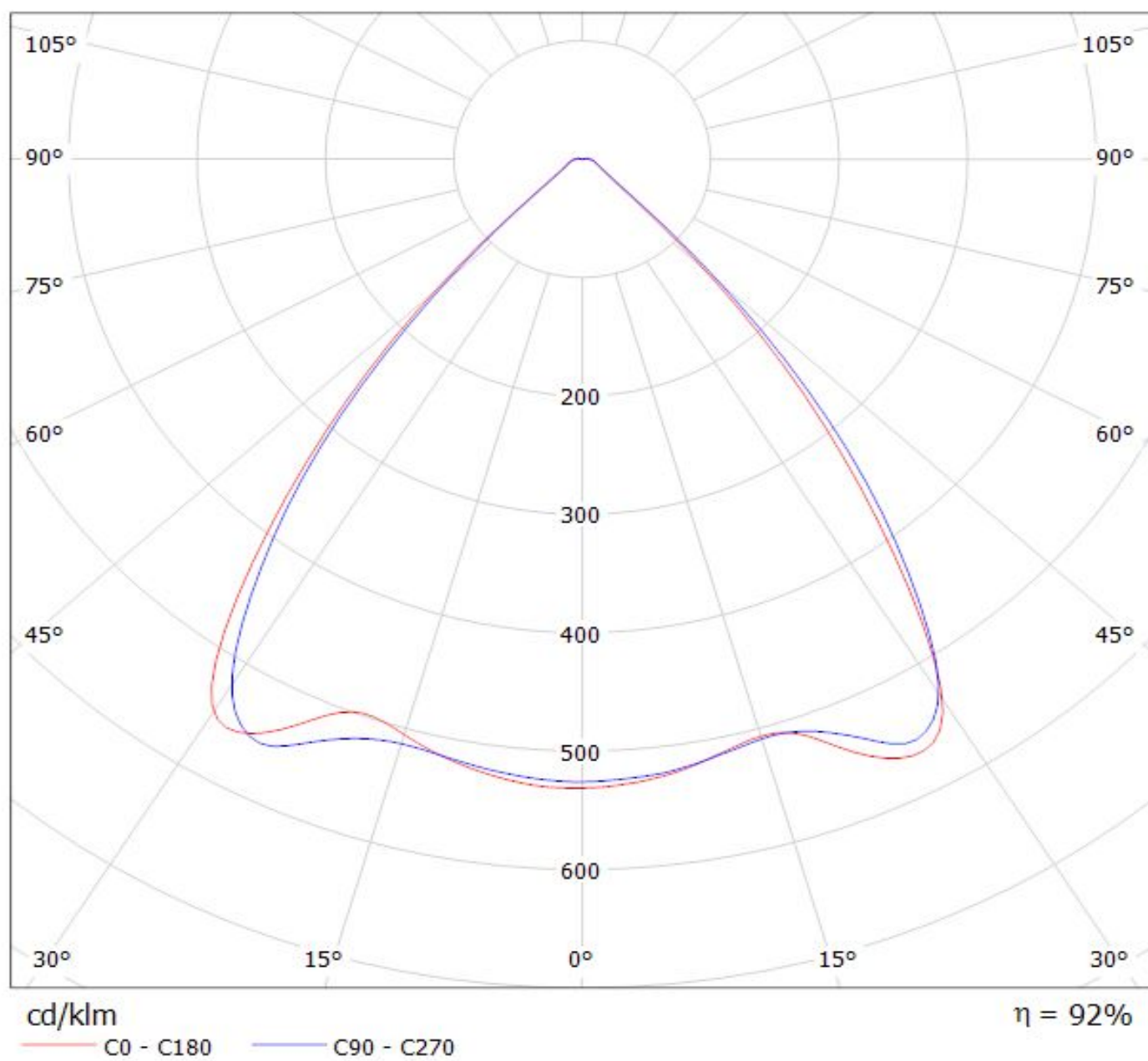


Luminaire: LEDiL Oy FN14074\_STELLA-HB\_(CXA25)

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



**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.