

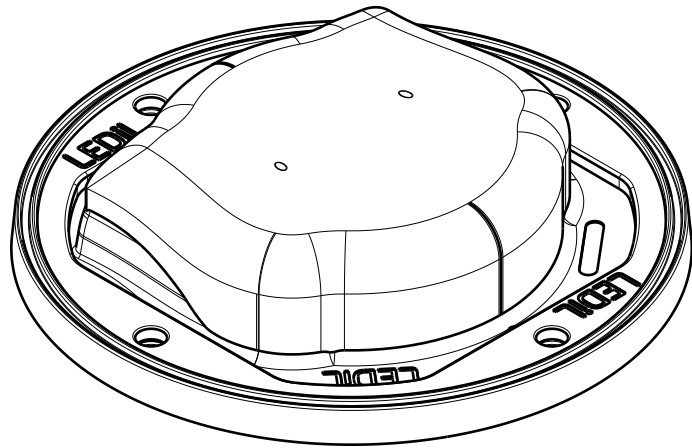
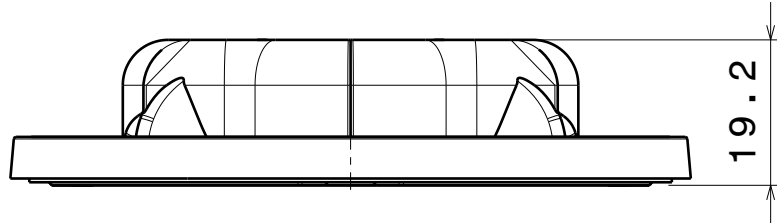
## DETAILS

<b>Product Number</b>	FN14976_STELLA-DWC2
<b>Family</b>	STELLA
<b>Type</b>	Lens
<b>Color</b>	black
<b>Diameter</b>	90 mm
<b>Height</b>	19,25 mm
<b>Style</b>	round
<b>Optic Material</b>	Silicone
<b>Holder Material</b>	
<b>Fastening</b>	
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	5/04/2016

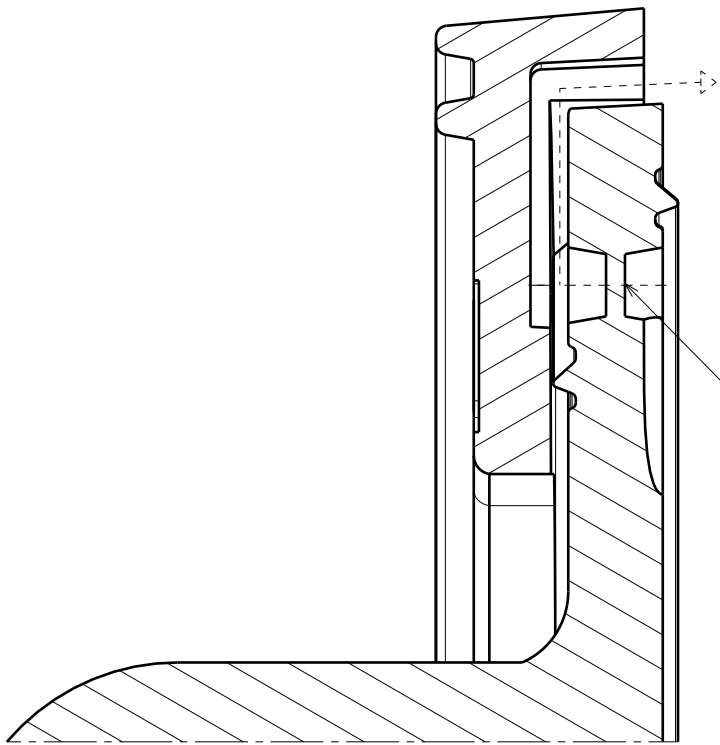


## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Effi- ciency	cd/lm	Connector
CXA/B 25xx	sim: Asym	Streetligh...	sim: 90 %	sim: 0.440	-
VERO10	sim: Asymmetri	Streetligh...	sim: 89 %	sim: 0.560	-
Soleriq S19	Asym deg	Streetligh...	90 %	0.510	-
LUXEON CoB 1208	sim: Asym	Streetligh...	sim: 88 %	sim: 0.460	Bender Wirth: 431 Typ Z1
LUXEON CoB 1211	sim: Asym	Streetligh...	sim: 89 %	sim: 0.400	Bender Wirth: 431 Typ Z1
CLL02x/CLU02x (LES10)	sim: Asym	Streetligh...	sim: 92 %	sim: 0.600	-
CLL03x/CLU03x	sim: Asym	Streetligh...	sim: 91 %	sim: 0.520	-
CXA/B 1830	sim: Asym	Streetligh...	sim: 91 %	sim: 0.540	-

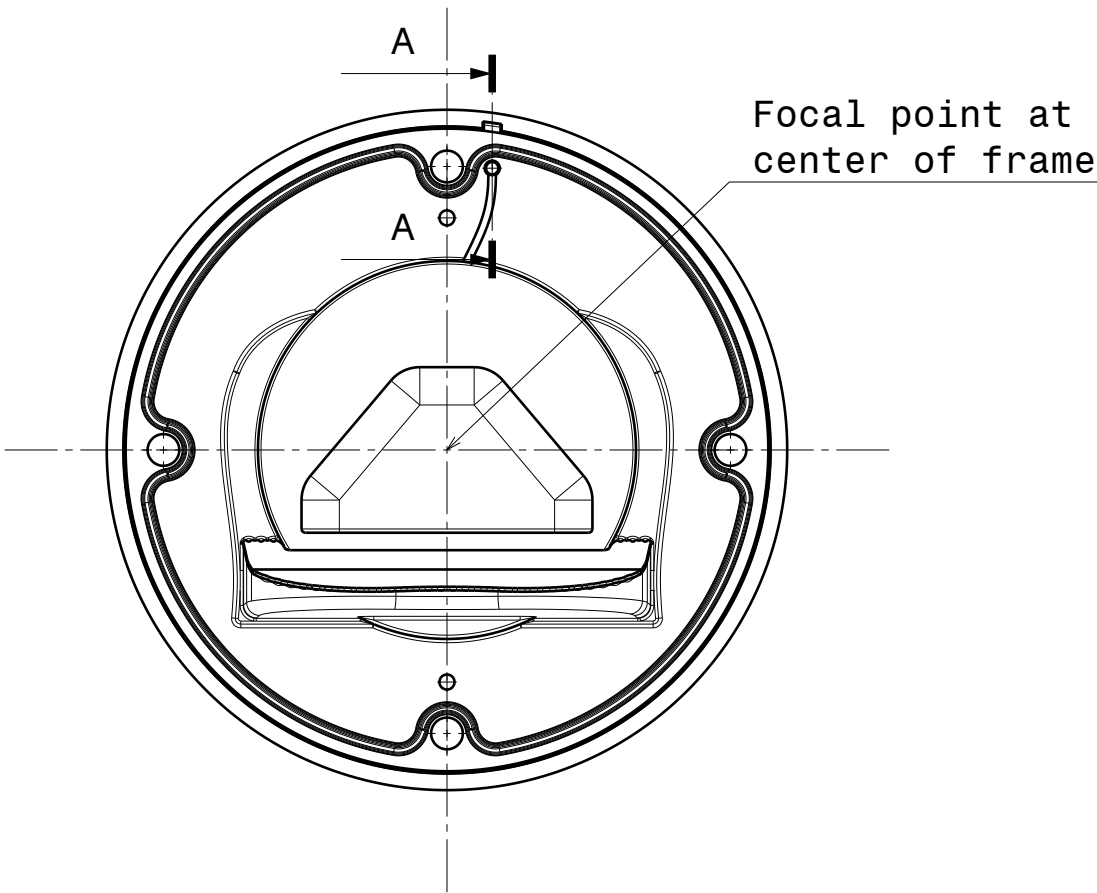
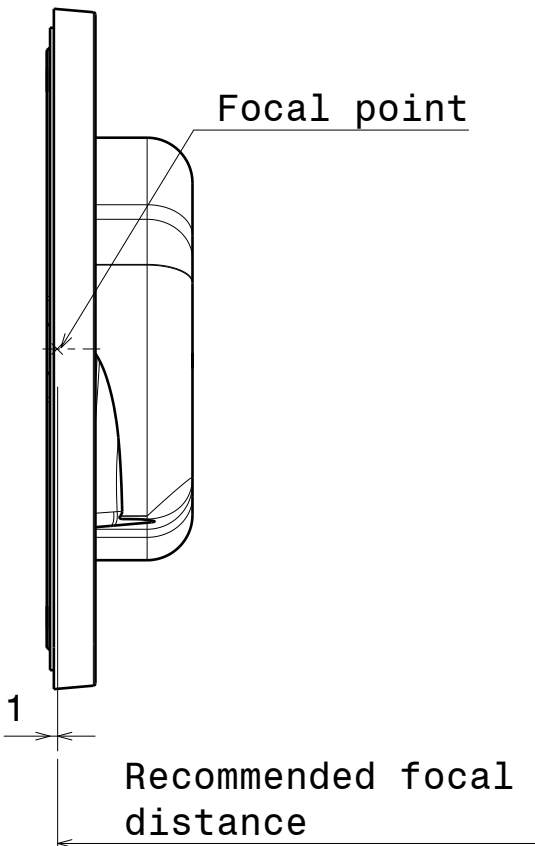
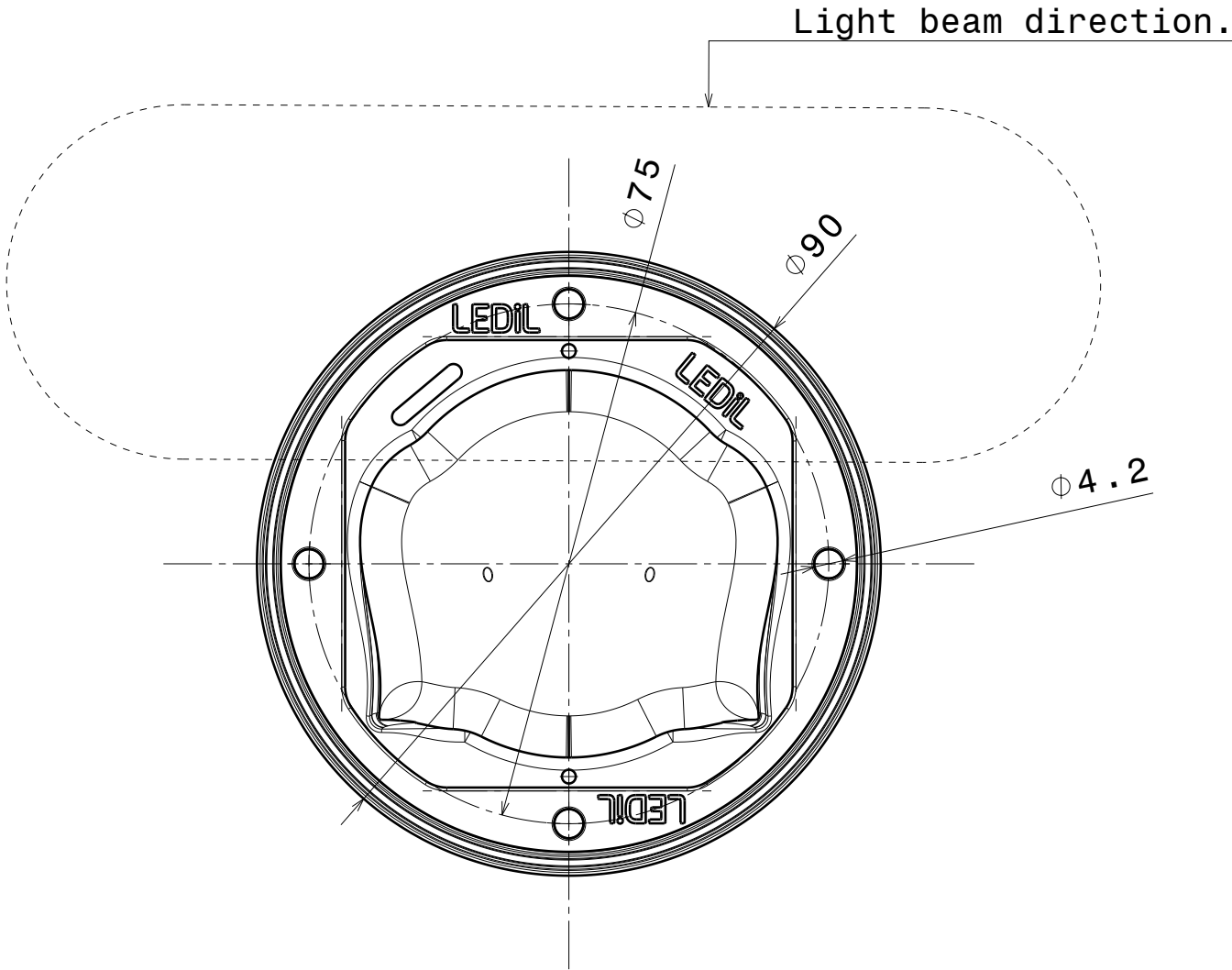


Isometric view  
Scale: 1:1



Venting pipe:  
Piercing this membrane  
will Allow lens breathing

Section view A-A  
Scale: 5:1

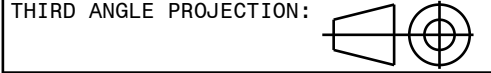


NOTE: Maximum recommended tightening  
torque for STELLA-FRAME is 0,4Nm

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	STELLA-DWC2	LENS	Optical grade LSR	
2	STELLA-DWC2	FRAME	PA66GF30	black/ white

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** Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland



DRAWING TITLE  
**STELLA-DWC2 datasheet**

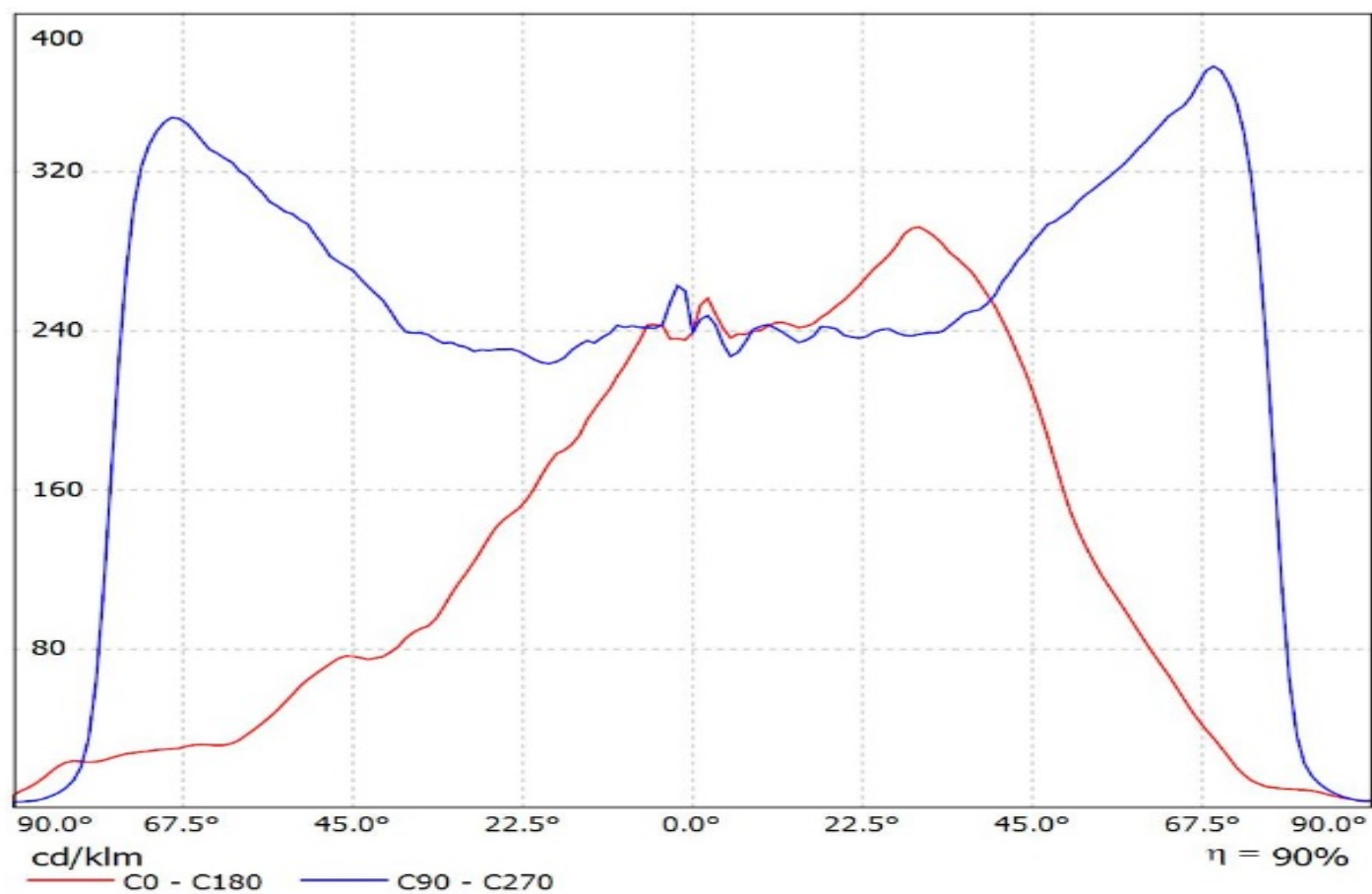
This drawing is the property  
of LEDiL Oy. It may not be  
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SIZE  
**A2**

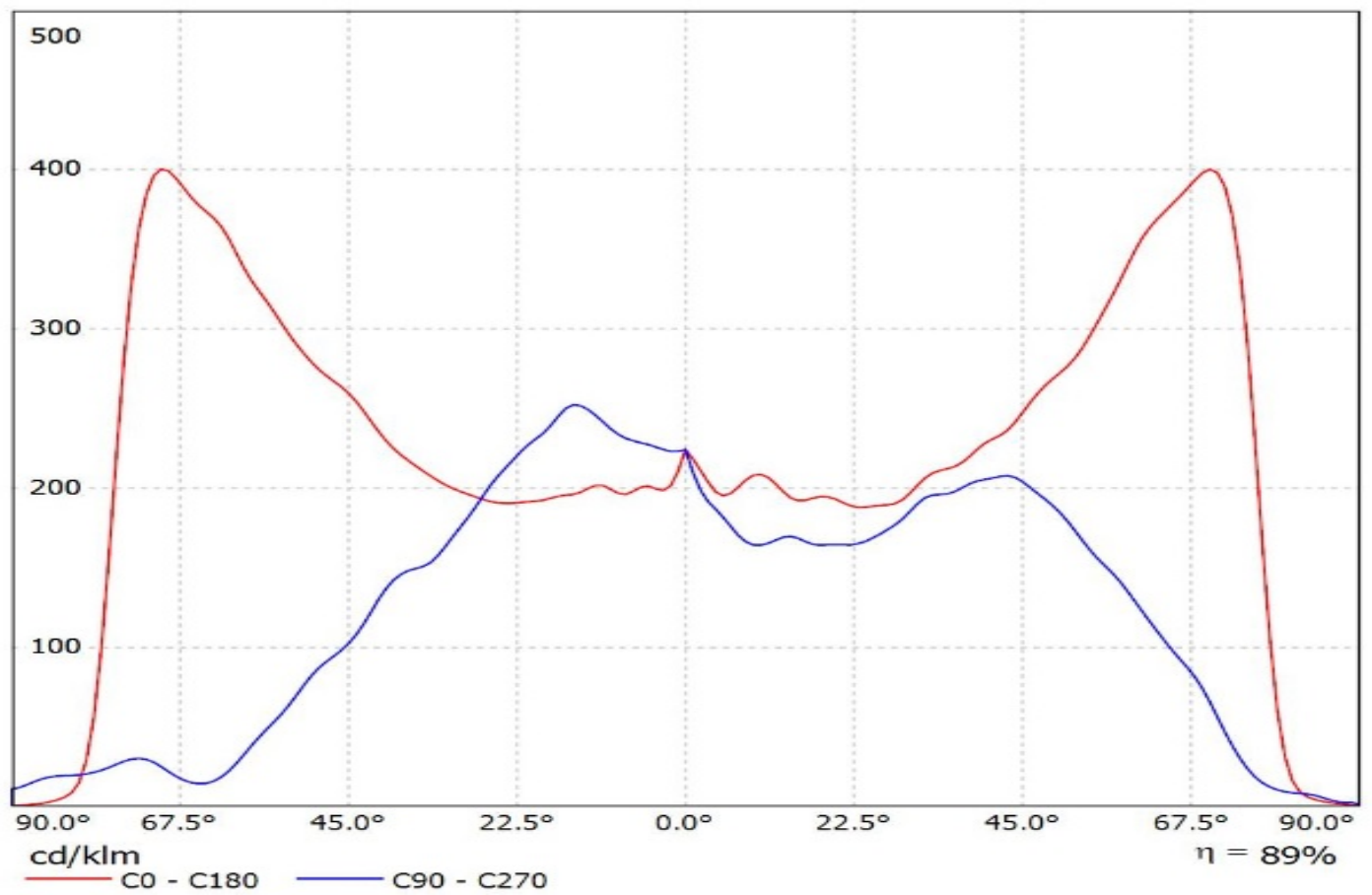
PART NUMBER  
**FN14976**

SCALE 1:1 WEIGHT - SHEET 1/1

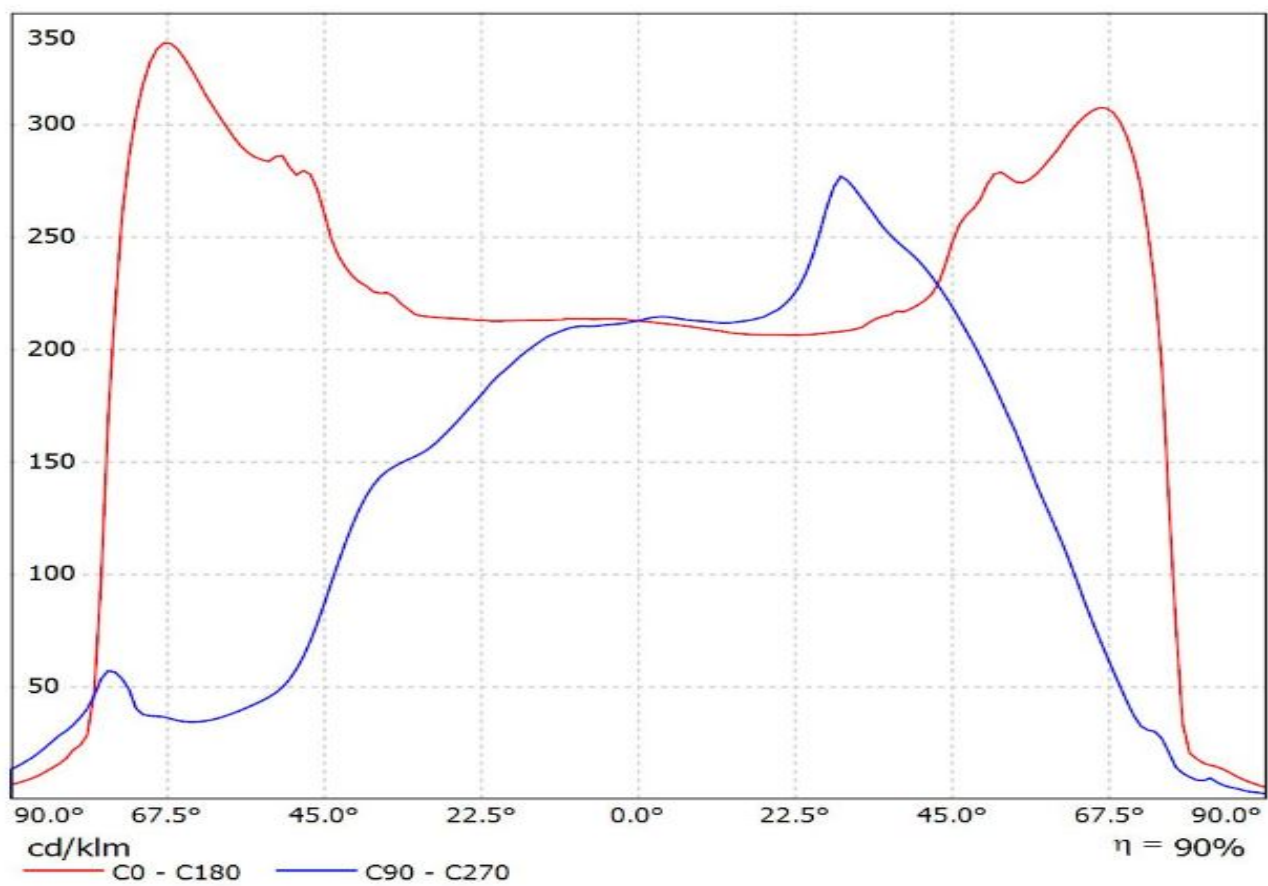
Luminaire: Ledil Oy FN14976\_STELLA-DWC2-CXA2590\_SIMULATED  
Lamps: 1 x Cree CXA2590



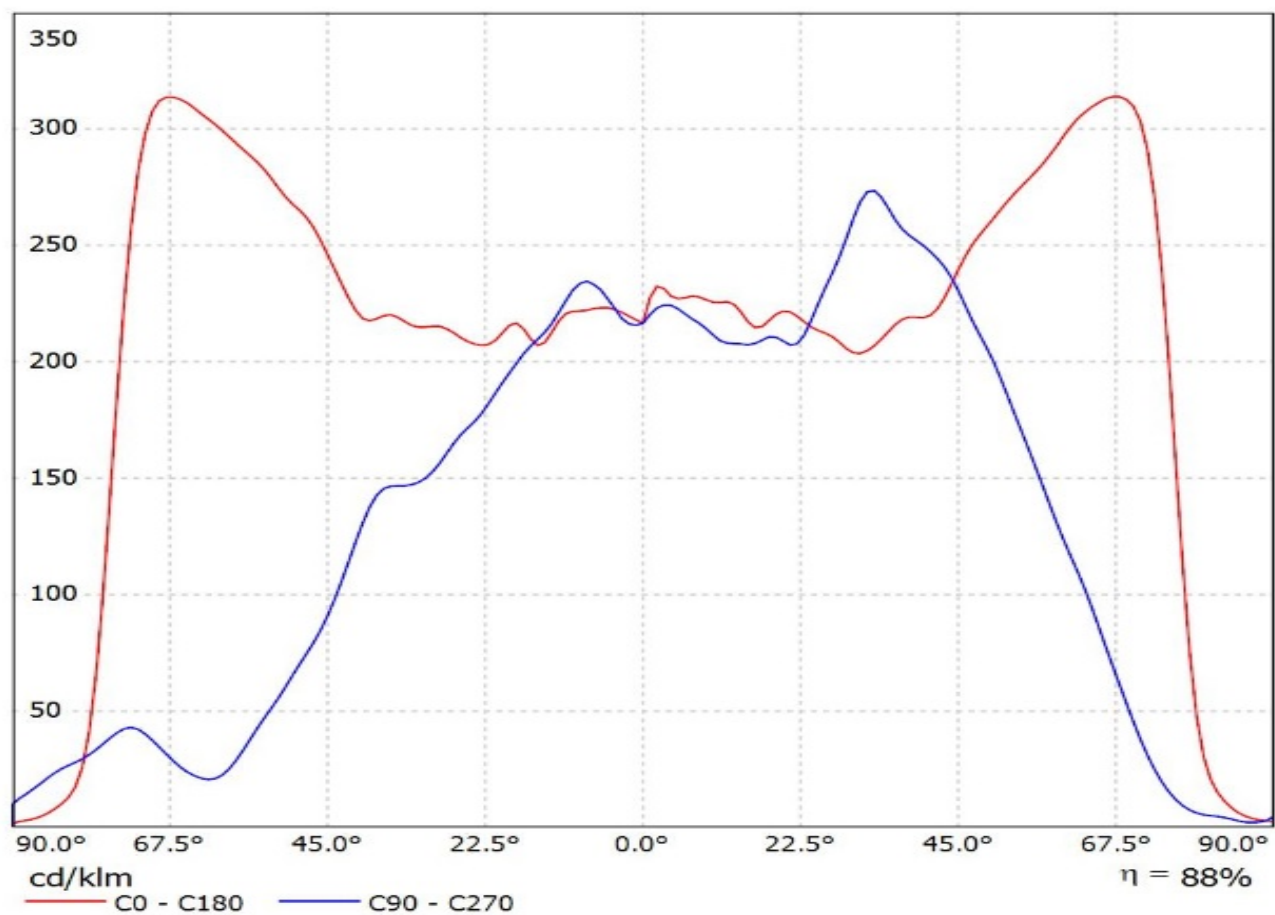
Luminaire: Ledil Oy FN14976\_STELLA-DWC2\_(VERO10)\_SIMLATED  
Lamps: 1 x Bridgelux VERO10 (BXRC\_30E1000)



Luminaire: Ledil FN14976\_STELLA-DWC2\_(Soleriq\_S19)  
Lamps: 1 x Osram\_Solericq\_S19\_(GW-KAHJB1.EM)\_1487.02lm@250mA\_P=10.562W\_η=0.25A

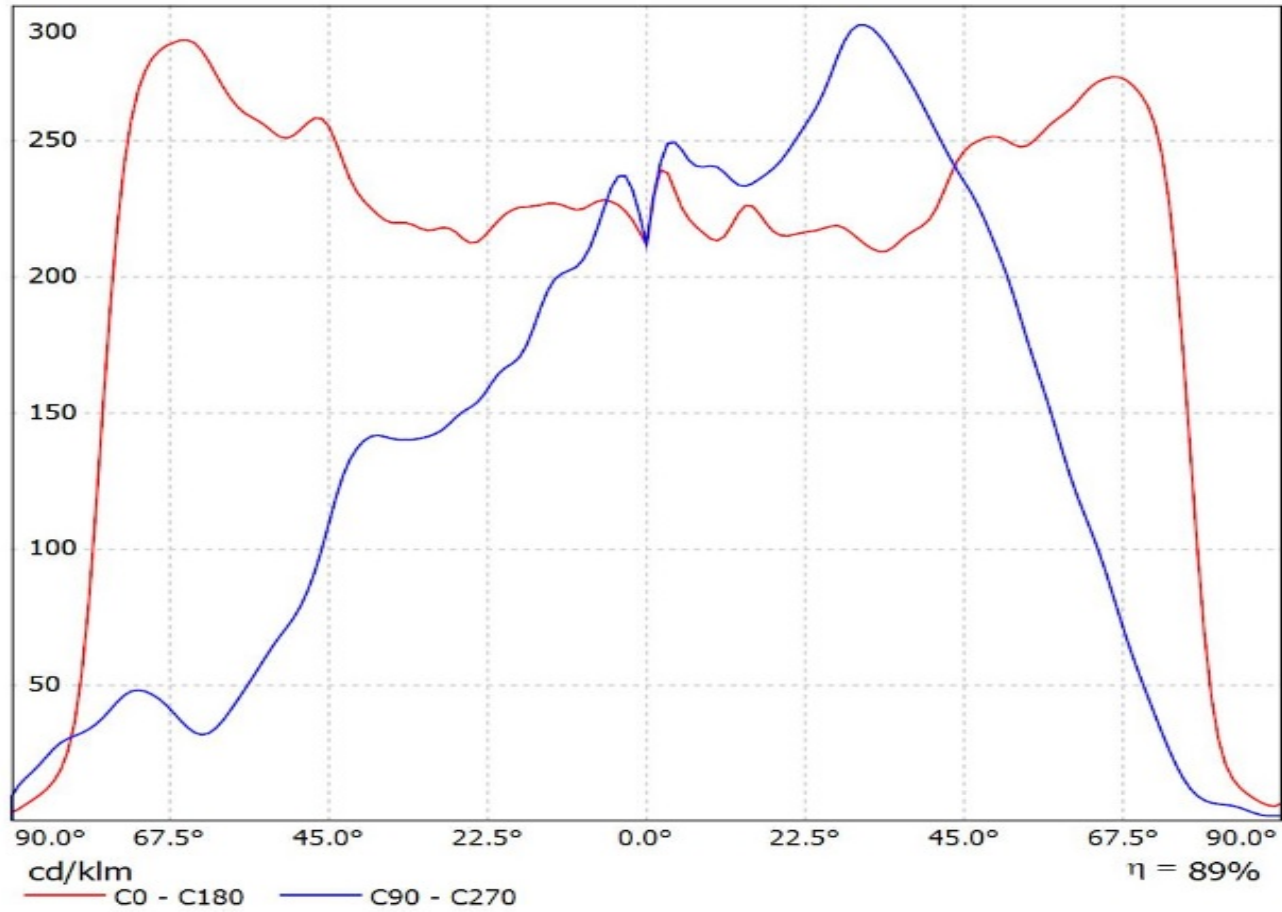


Luminaire: Ledil Oy FN14976\_STELLA-DWC2\_(Luxeon\_CoB\_1208)\_(Bender\_&\_Wirth\_431\_Type\_Z1)\_SIMULATED  
Lamps: 1 x Lumileds Luxeon CoB 1208 + Bender & Wirth 431 Type Z1

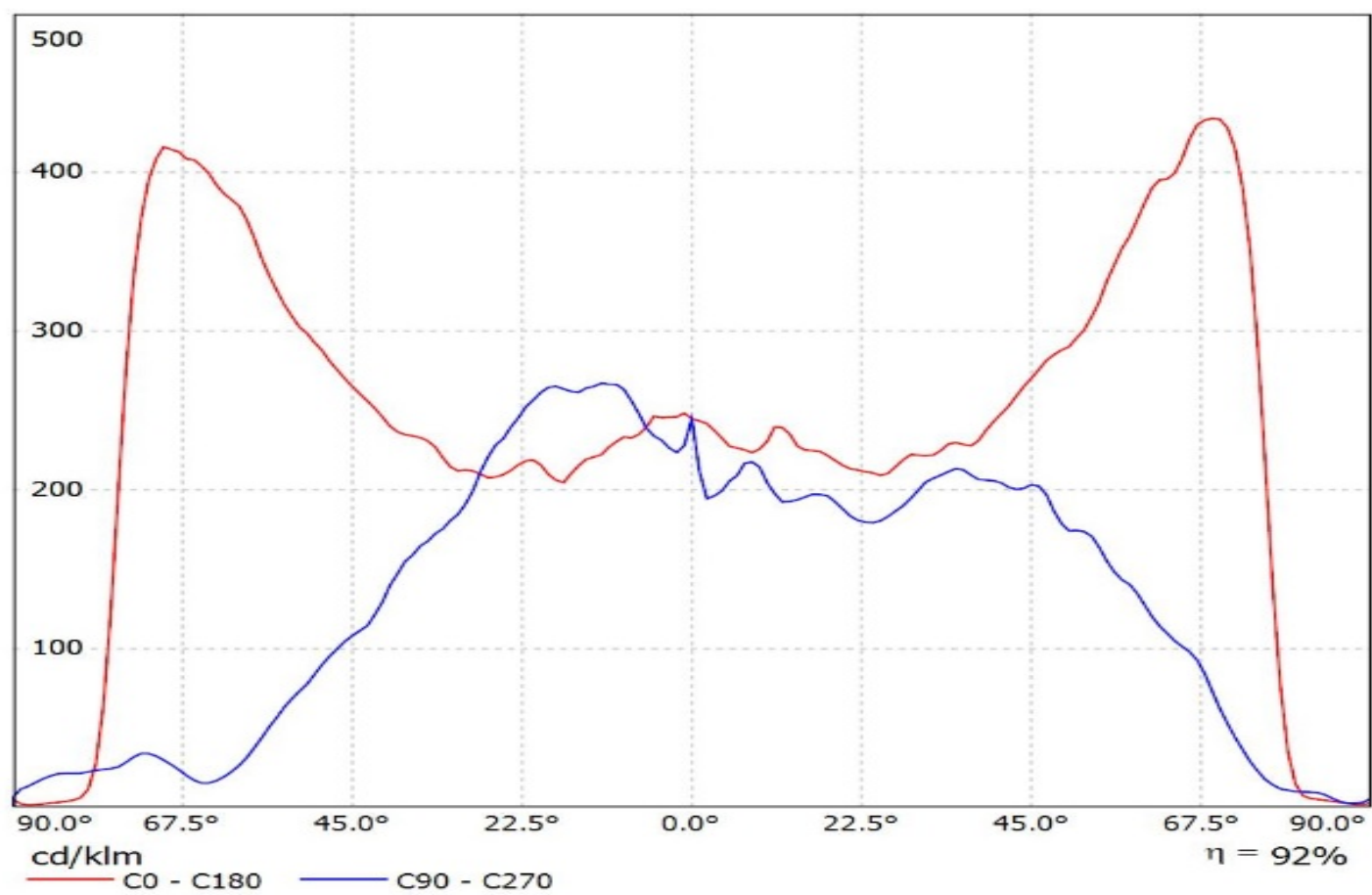




Luminaire: Ledil Oy FN14976\_STELLA-DWC2\_(Luxeon\_CoB\_1211)\_(Bender\_&\_Wirth\_431\_Type\_Z1)\_SIMULATED  
Lamps: 1 x Lumileds Luxeon CoB 1211 + Bender & Wirth 431 Type Z1

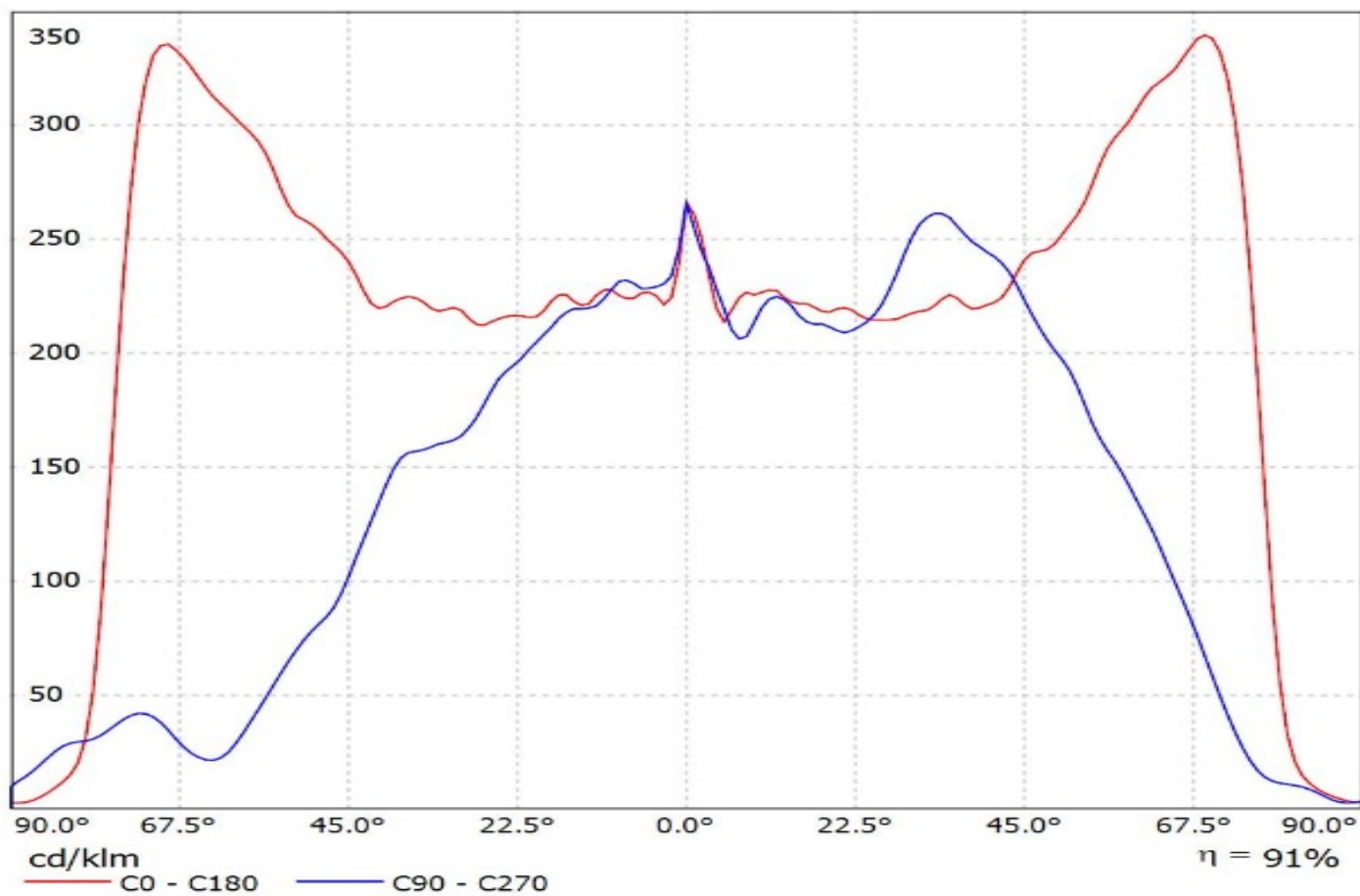


Luminaire: Ledil Oy FN14976\_STELLA-DWC2\_(CLU028)\_SIMULATED  
Lamps: 1 x Citizen CLU028-1204C4-303M2K1

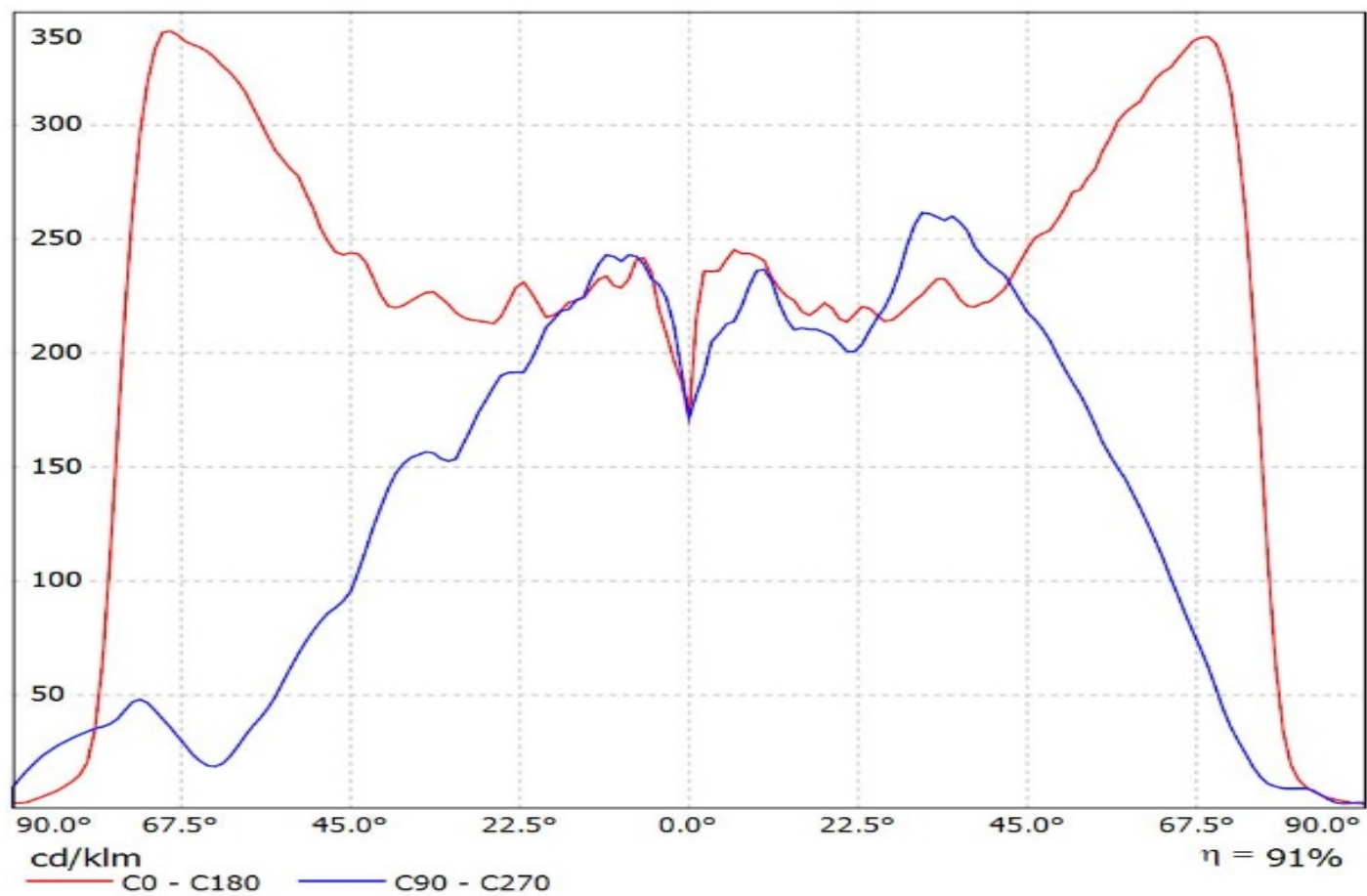




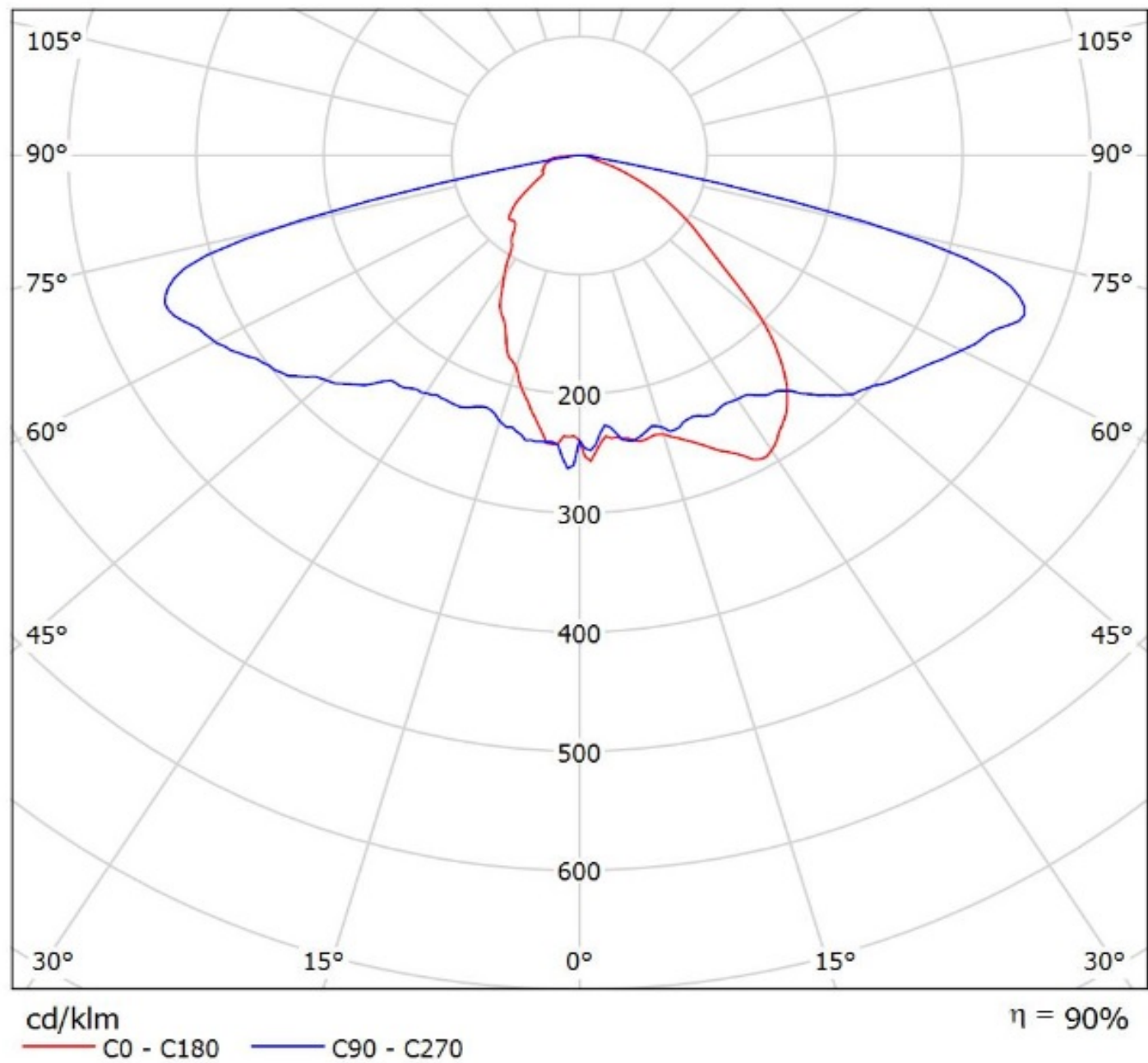
Luminaire: Ledil Oy FN14976\_STELLA-DWC2\_(CLU038)\_SIMULATED  
Lamps: 1 x Citizen CLU038-1210C4-303M2K1



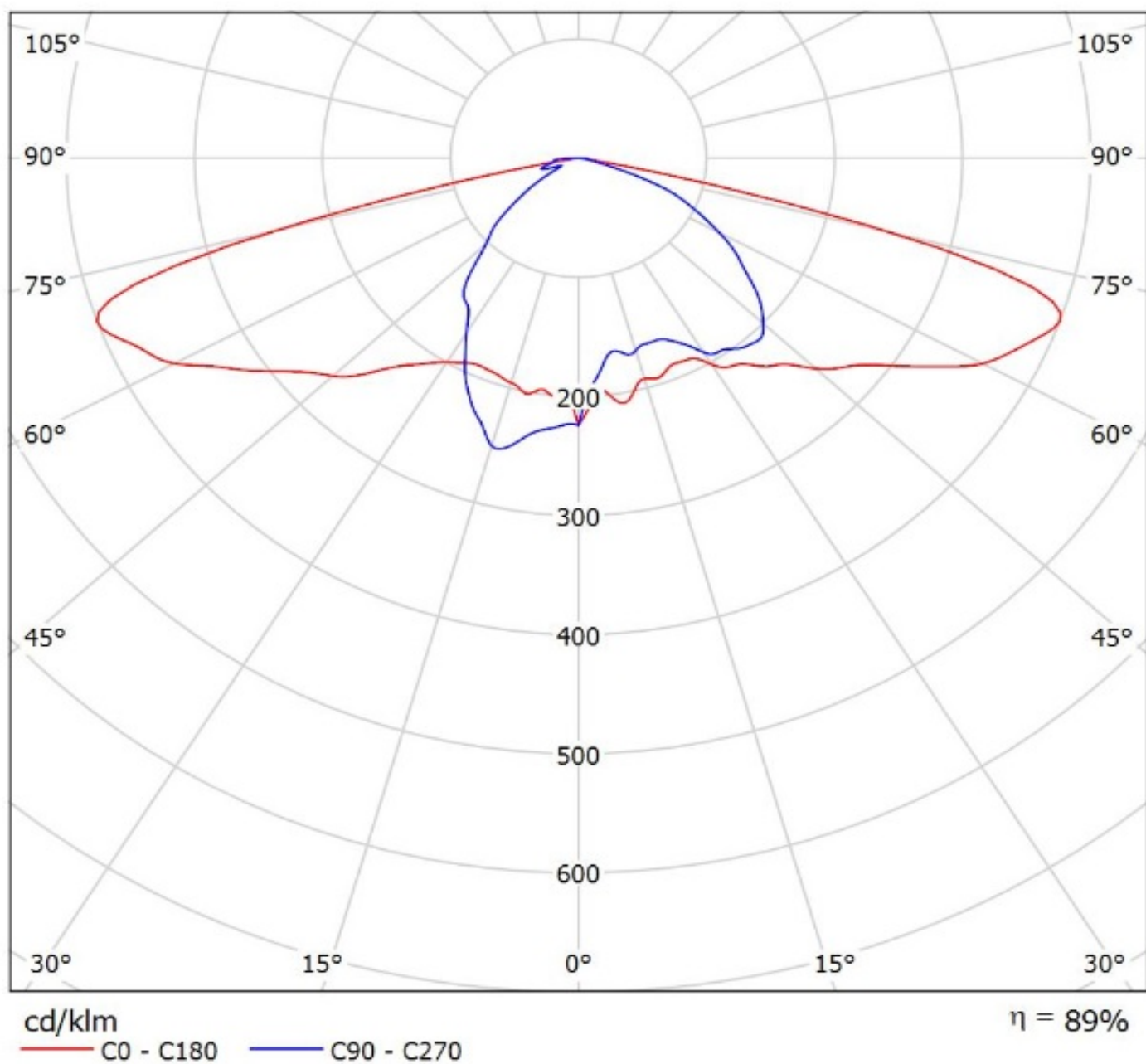
Luminaire: Ledil Oy FN14976\_STELLA-DWC2\_(CXB1830)\_SIMULATED  
Lamps: 1 x Cree CXB1830



Luminaire: Ledil Oy FN14976\_STELLA-DWC2-CXA2590\_SIMULATED  
Lamps: 1 x Cree CXA2590

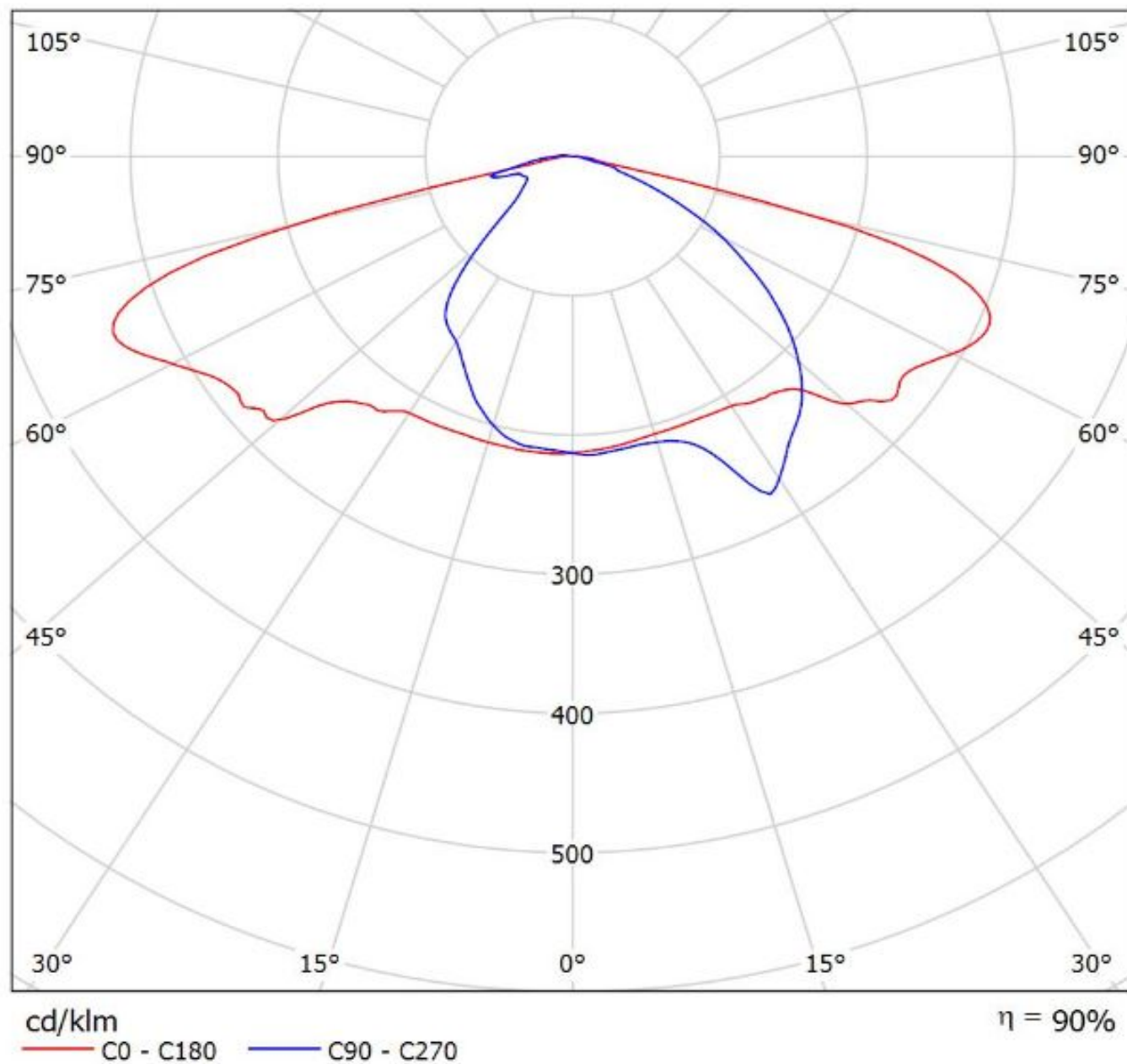


Luminaire: Ledil Oy FN14976\_STELLA-DWC2\_(VERO10)\_SIMLATED  
Lamps: 1 x Bridgelux VERO10 (BXRC\_30E1000)

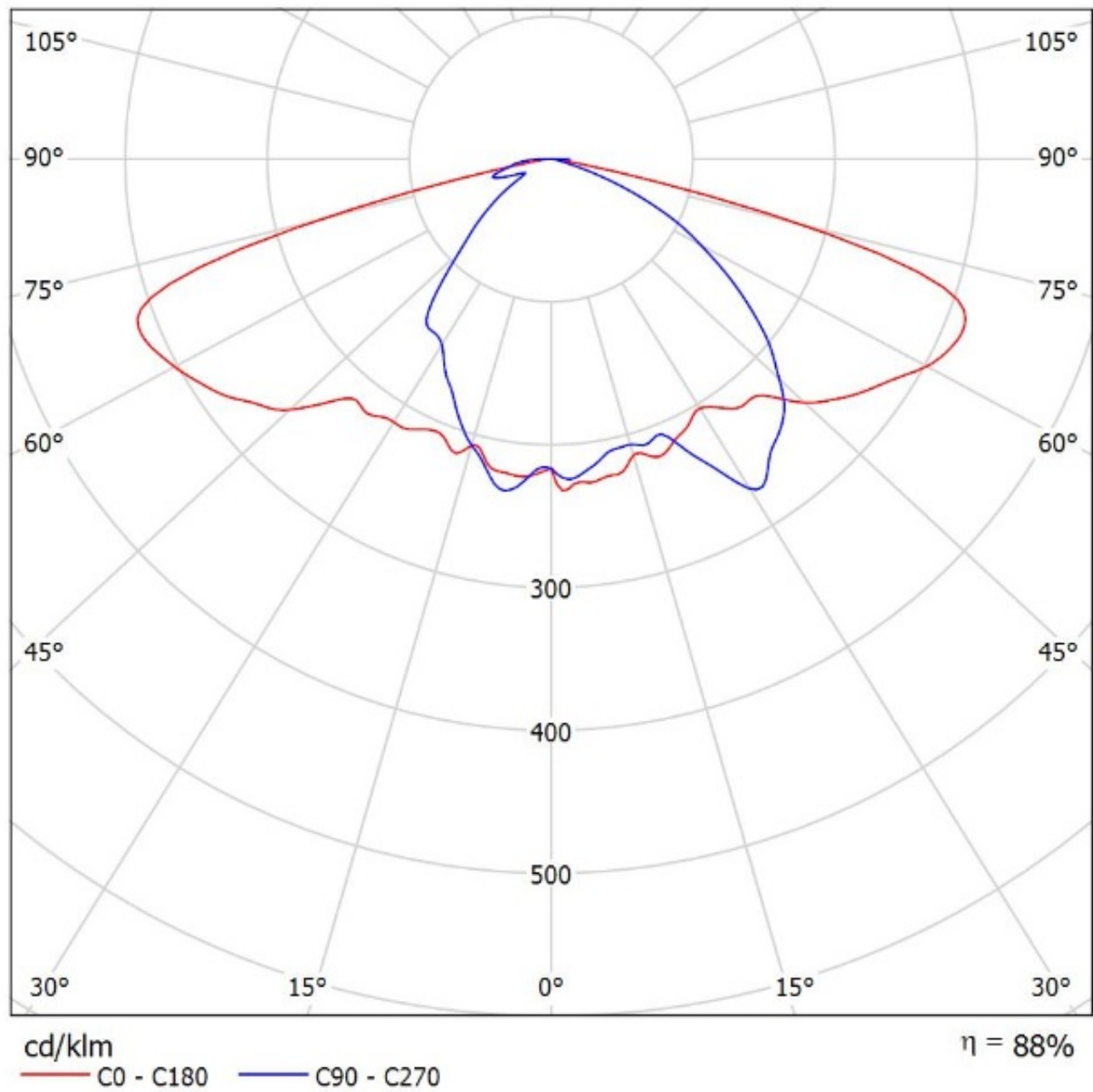


Luminaire: Ledil FN14976\_STELLA-DWC2\_(Soleriq\_S19)

Lamps: 1 x Osram\_Soleriq\_S19\_(GW-KAHJB1.EM)\_1487.02lm@250mA\_P=10.562W\_I=0.25A

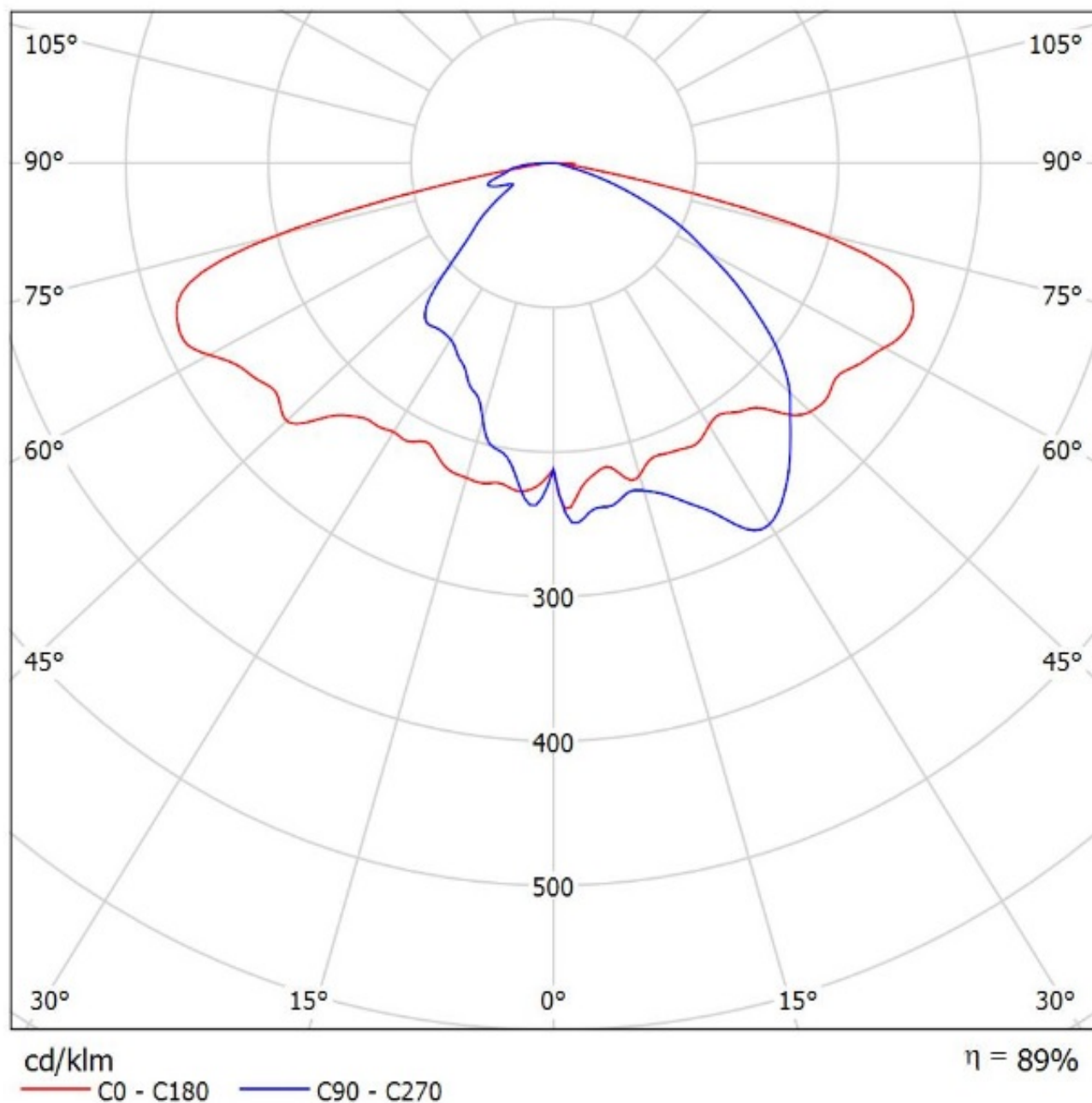


Luminaire: Ledil Oy FN14976\_STELLA-DWC2\_(Luxeon\_CoB\_1208)\_(Bender\_&\_Wirth\_431\_Type\_Z1)\_SIMULATED  
Lamps: 1 x Lumileds Luxeon CoB 1208 + Bender & Wirth 431 Type Z1

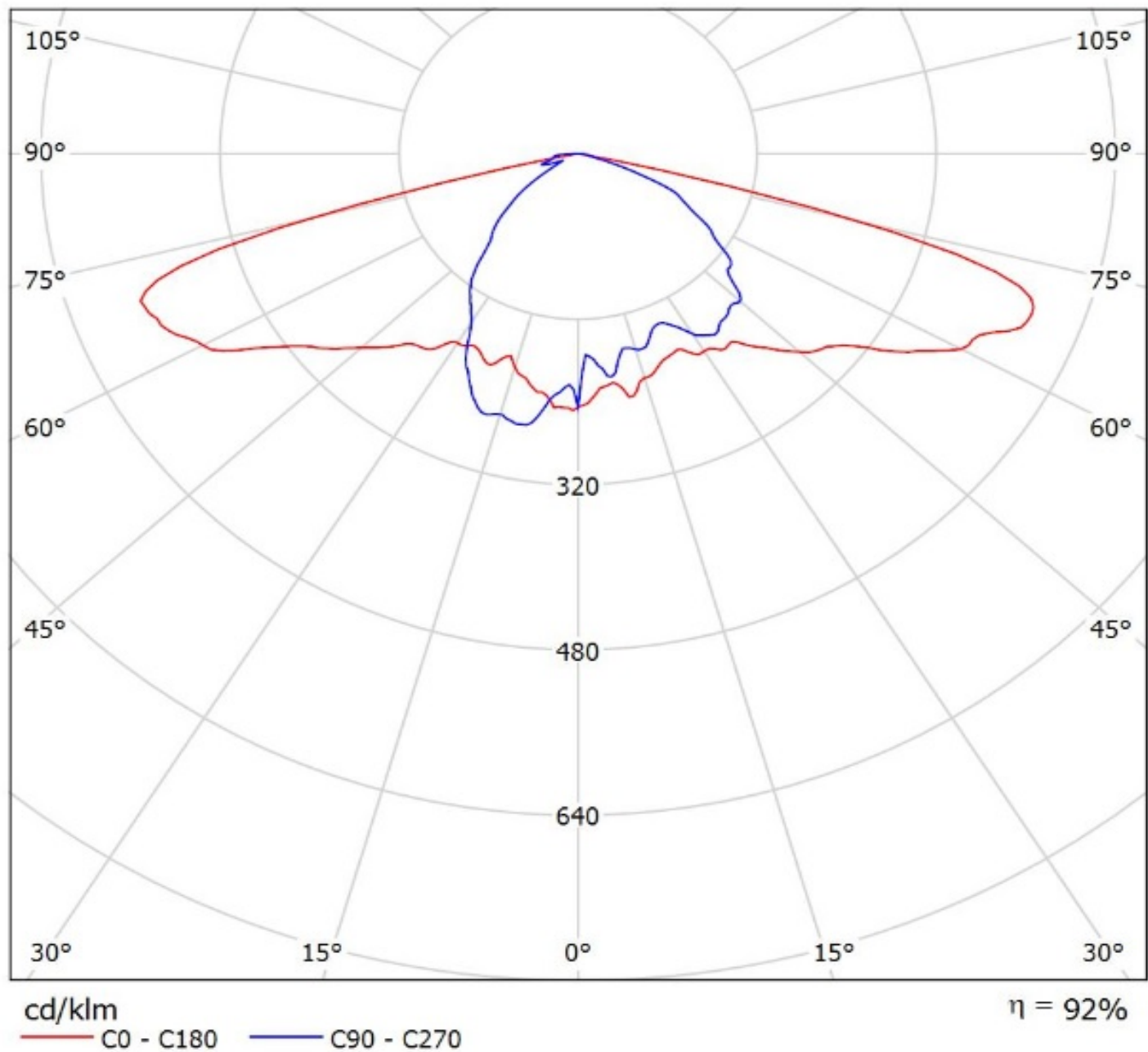




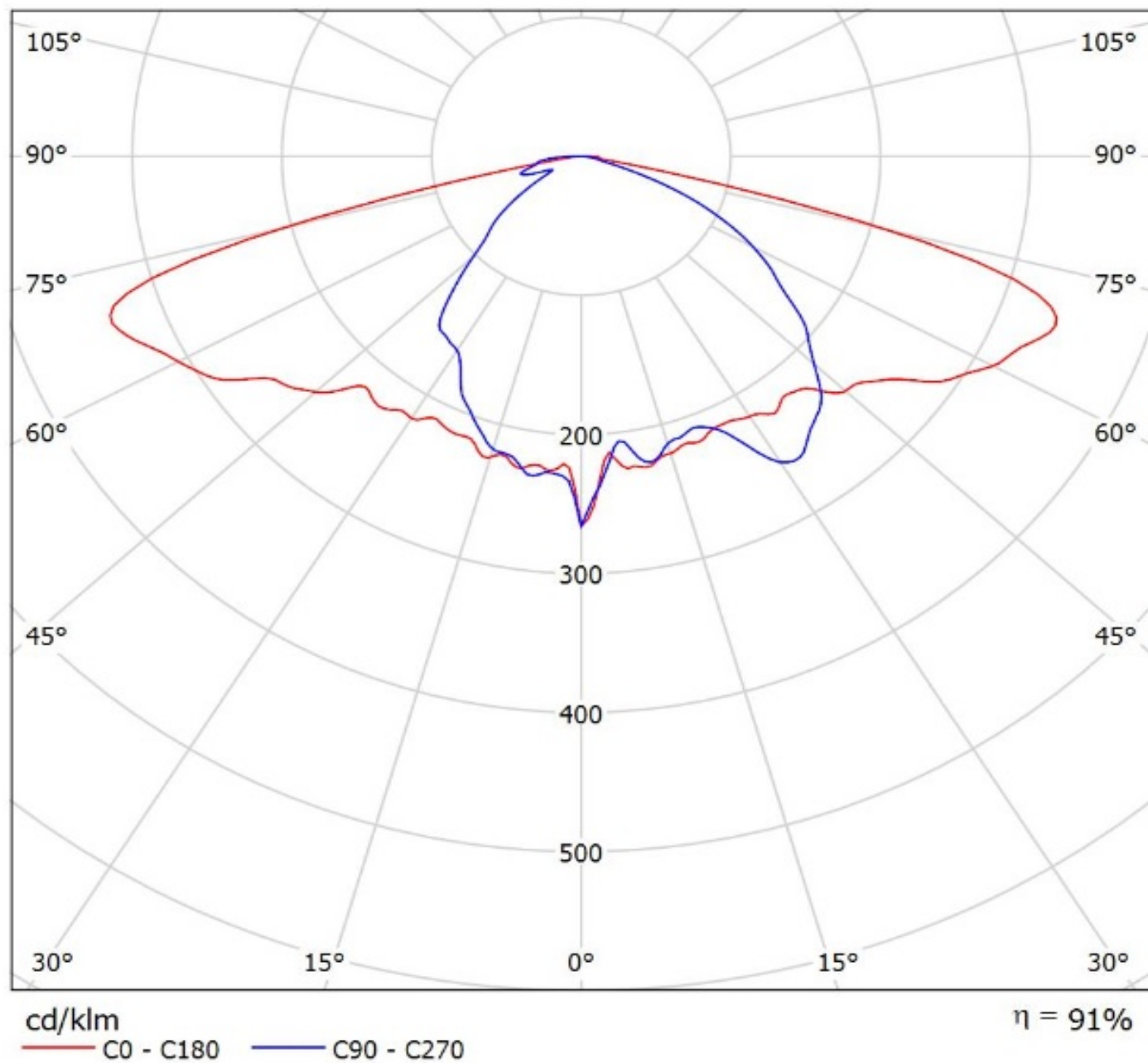
Luminaire: Ledil Oy FN14976\_STELLA-DWC2\_(Luxeon\_CoB\_1211)\_(Bender\_&\_Wirth\_431\_Type\_Z1)\_SIMULATED  
Lamps: 1 x Lumileds Luxeon CoB 1211 + Bender & Wirth 431 Type Z1



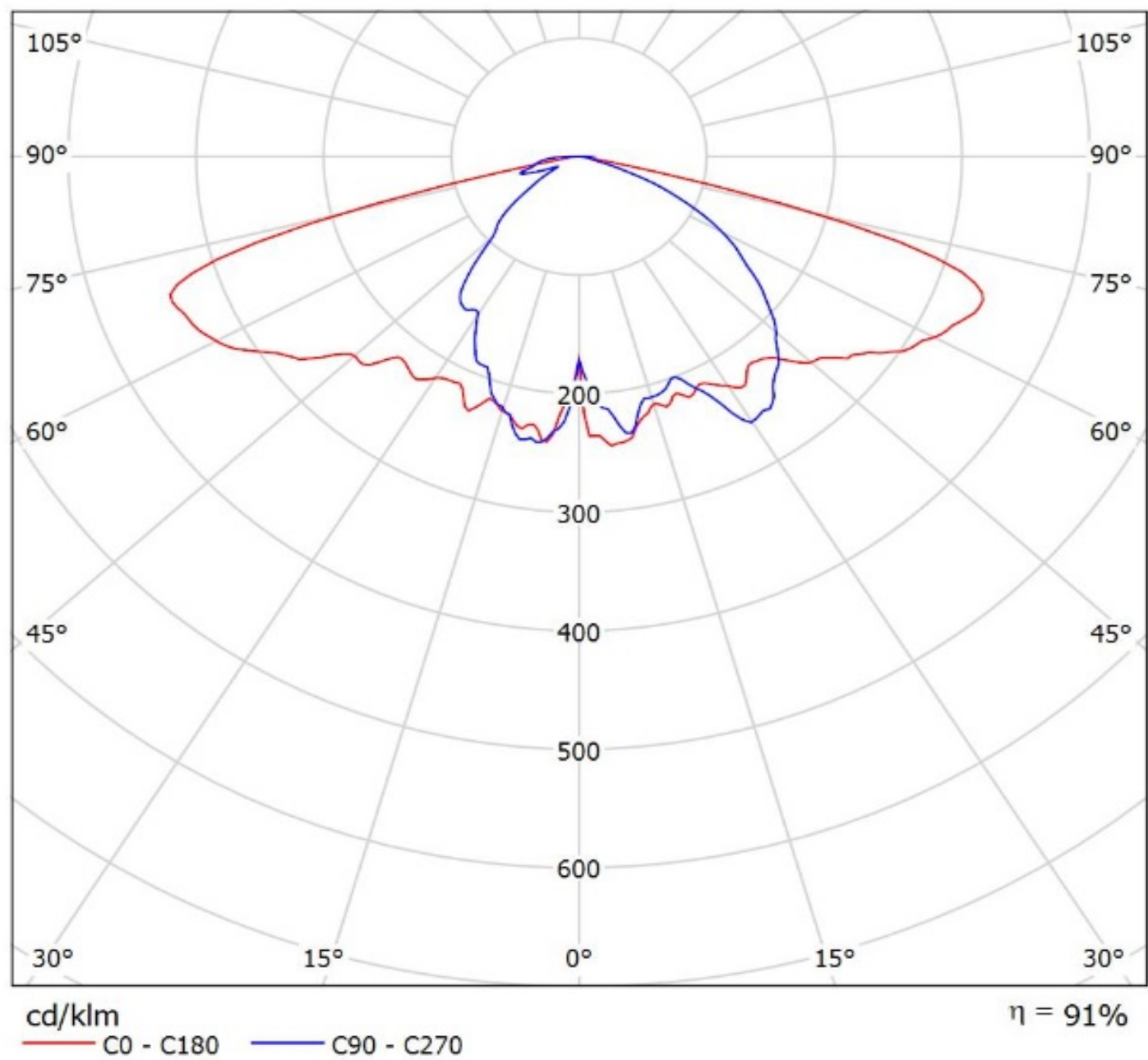
Luminaire: Ledil Oy FN14976\_STELLA-DWC2\_(CLU028)\_SIMULATED  
Lamps: 1 x Citizen CLU028-1204C4-303M2K1



Luminaire: Ledil Oy FN14976\_STELLA-DWC2\_(CLU038)\_SIMULATED  
Lamps: 1 x Citizen CLU038-1210C4-303M2K1



Luminaire: Ledil Oy FN14976\_STELLA-DWC2\_(CXB1830)\_SIMULATED  
Lamps: 1 x Cree CXB1830



**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.