

**Product number FN14645_STELLA-T4**

Family	STELLA	FWHM	asymmetric degrees
Type	Pack	Efficiency	91 %
LED	CLL04x/CLU04x	cd/Im	0.470
Color	Black	Gerber File	Available
Diameter	90 mm		
Height	26.9 mm		
Style	Round		
Optic Material	Silicone		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number FN14645_STELLA-T4**

Family	STELLA	FWHM	(simulated) Asym
Type	Pack	Efficiency	(simulated) 91 %
LED	CLL04x/CLU04x	cd/Im	(simulated) 0.500
Color	Black	Gerber File	Available
Diameter	90 mm		
Height	26.9 mm		
Style	Round		
Optic Material	Silicone		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number FN14976_STELLA-DWC2**

Family	STELLA	FWHM	(simulated) Asym
Type	Pack	Efficiency	(simulated) 91 %
LED	CLL04x/CLU04x	cd/Im	(simulated) 0.370
Color	Black	Gerber File	Available
Diameter	90 mm		
Height	19.25 mm		
Style	Round		
Optic Material	Silicone		
Holder Material	-		
Fastening	""		
Status	Production ready		

**Product number FN15379_STELLA-VSM**

Family	STELLA	FWHM	(simulated) Asym
Type	Pack	Efficiency	(simulated) 93 %
LED	CLL04x/CLU04x	cd/Im	(simulated) 0.320
Color	Clear	Gerber File	Available
Diameter	90 mm		
Height	20.7 mm		
Style	Round		
Optic Material	Silicone		
Holder Material	-		
Fastening	""		
Status	Production ready		

**Product number FN15379_STELLA-VSM**

Family	STELLA	FWHM	(simulated) Asym
Type	Pack	Efficiency	(simulated) 94 %
LED	CLL04x/CLU04x	cd/Im	(simulated) 0.330
Color	Clear	Gerber File	Available
Diameter	90 mm		
Height	20.7 mm		
Style	Round		
Optic Material	Silicone		
Holder Material	-		
Fastening	""		
Status	Production ready		

**Product number FN14720_STELLA-FRESNEL**

Family	STELLA	FWHM	36 degrees
Type	Pack	Efficiency	86 %
LED	CLL04x/CLU04x	cd/Im	1.100
Color	Black	Gerber File	Available
Diameter	90 mm		
Height	23 mm		
Style	Round		
Optic Material	Silicone		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number FN15188_STELLA-FRESNEL**

Family	STELLA	FWHM	36 degrees
Type	Pack	Efficiency	86 %
LED	CLL04x/CLU04x	cd/Im	1.100
Color	White	Gerber File	Available
Diameter	90 mm		
Height	23 mm		
Style	Round		
Optic Material	Silicone		
Holder Material	-		
Fastening	""		
Status	Production ready		

**Product number FN14074_STELLA-HB**

Family	STELLA	FWHM	68 degrees
Type	Pack	Efficiency	93 %
LED	CLL04x/CLU04x	cd/Im	0.770
Color	Black	Gerber File	Available
Diameter	90 mm		
Height	19.5 mm		
Style	Round		
Optic Material	Silicone		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number FN15186_STELLA-HB**

Family	STELLA	FWHM	68 degrees
Type	Pack	Efficiency	93 %
LED	CLL04x/CLU04x	cd/Im	0.770
Color	White	Gerber File	Available
Diameter	90 mm		
Height	19.5 mm		
Style	Round		
Optic Material	Silicone		
Holder Material	-		
Fastening	""		
Status	Production ready		

Product number FN14074_STELLA-HB

Family	STELLA	FWHM	77 degrees
Type	Pack	Efficiency	94 %
LED	CLL04x/CLU04x	cd/Im	0.650
Color	Black	Gerber File	Available
Diameter	90 mm		
Height	19.5 mm		
Style	Round		
Optic Material	Silicone		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		

**Product number FN15186_STELLA-HB**

Family	STELLA	FWHM	77 degrees
Type	Pack	Efficiency	94 %
LED	CLL04x/CLU04x	cd/Im	0.650
Color	White	Gerber File	Available
Diameter	90 mm		
Height	19.5 mm		
Style	Round		
Optic Material	Silicone		
Holder Material	-		
Fastening	""		
Status	Production ready		

**Product number FN15264_STELLA-HB-WWW**

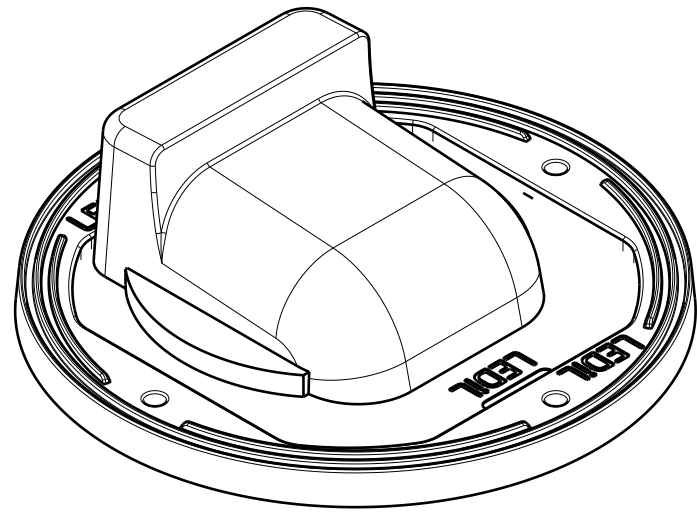
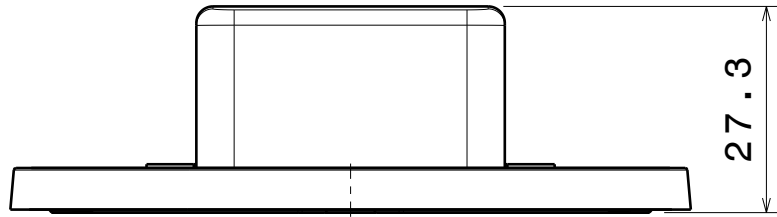
Family	STELLA	FWHM	102 degrees
Type	Pack	Efficiency	89 %
LED	CLL04x/CLU04x	cd/Im	0.360
Color	Black	Gerber File	Available
Diameter	90 mm		
Height	11.3 mm		
Style	Round		
Optic Material	Silicone		
Holder Material	-		
Fastening	["screw"]		
Status	Production ready		



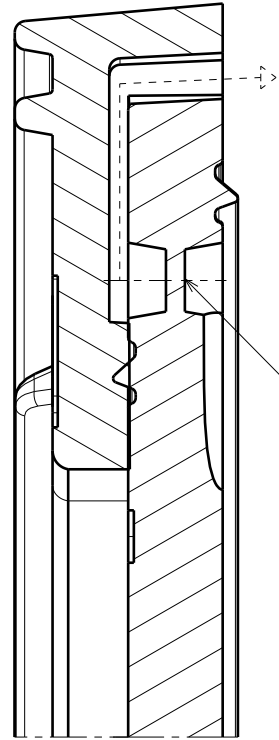


PRODUCT DATASHEET
STELLA series
last update 7/7/2017

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.

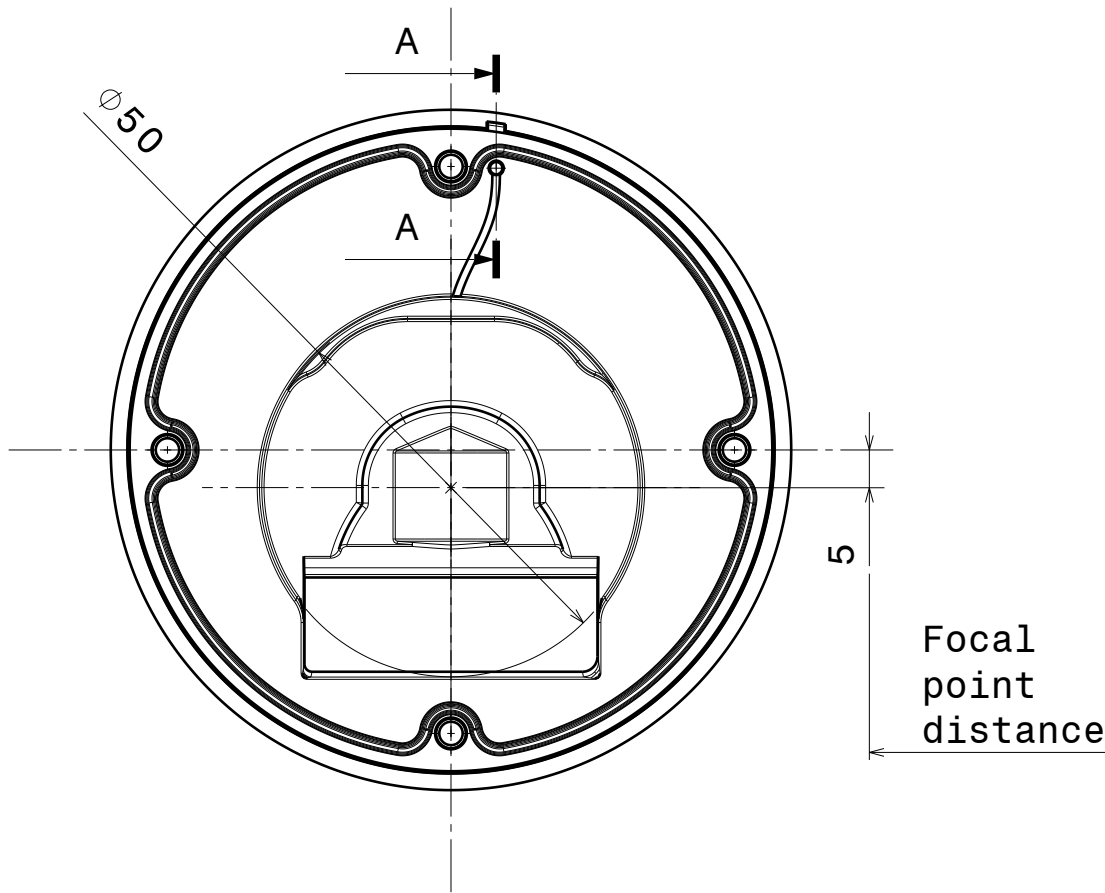
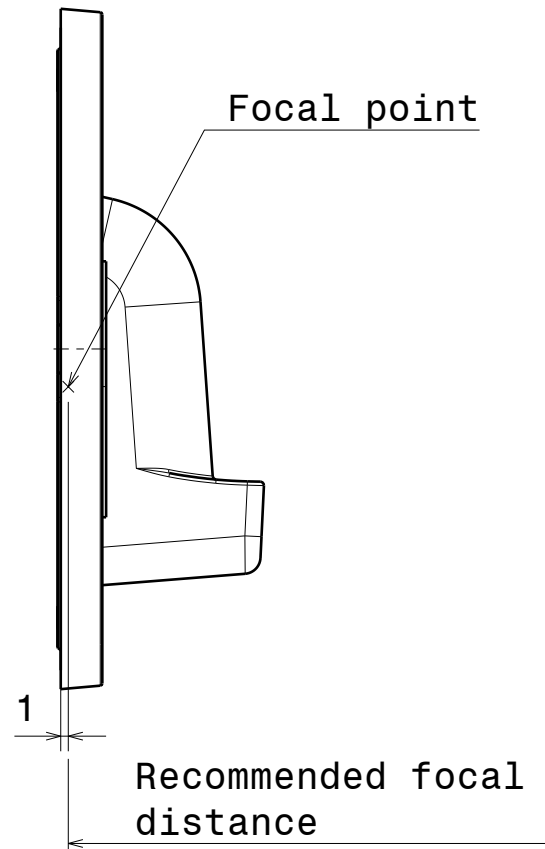
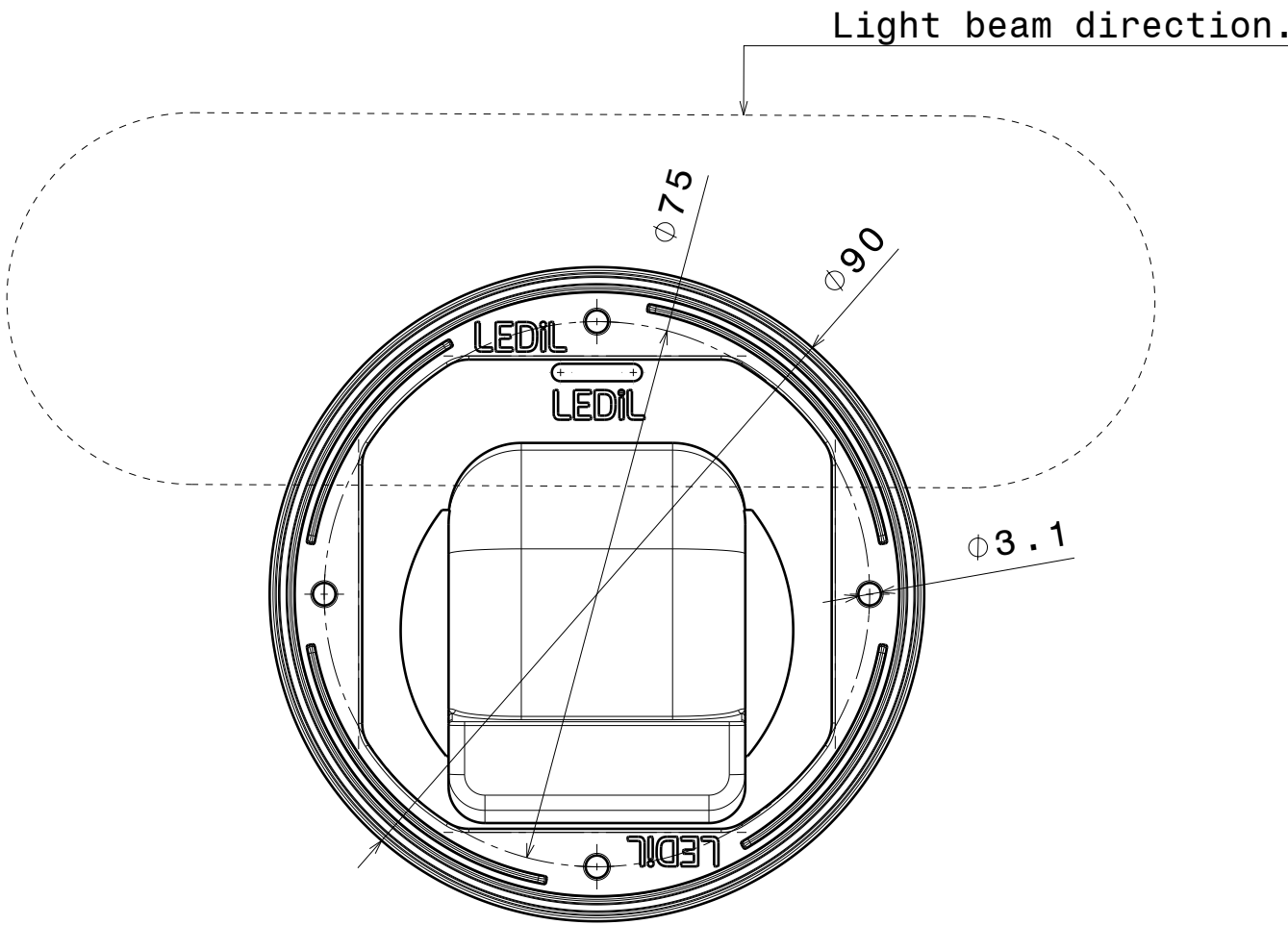


Isometric view
Scale: 1:1



Venting pipe:
Piercing this membrane
will Allow lens breathing

Section view A-A
Scale: 5:1

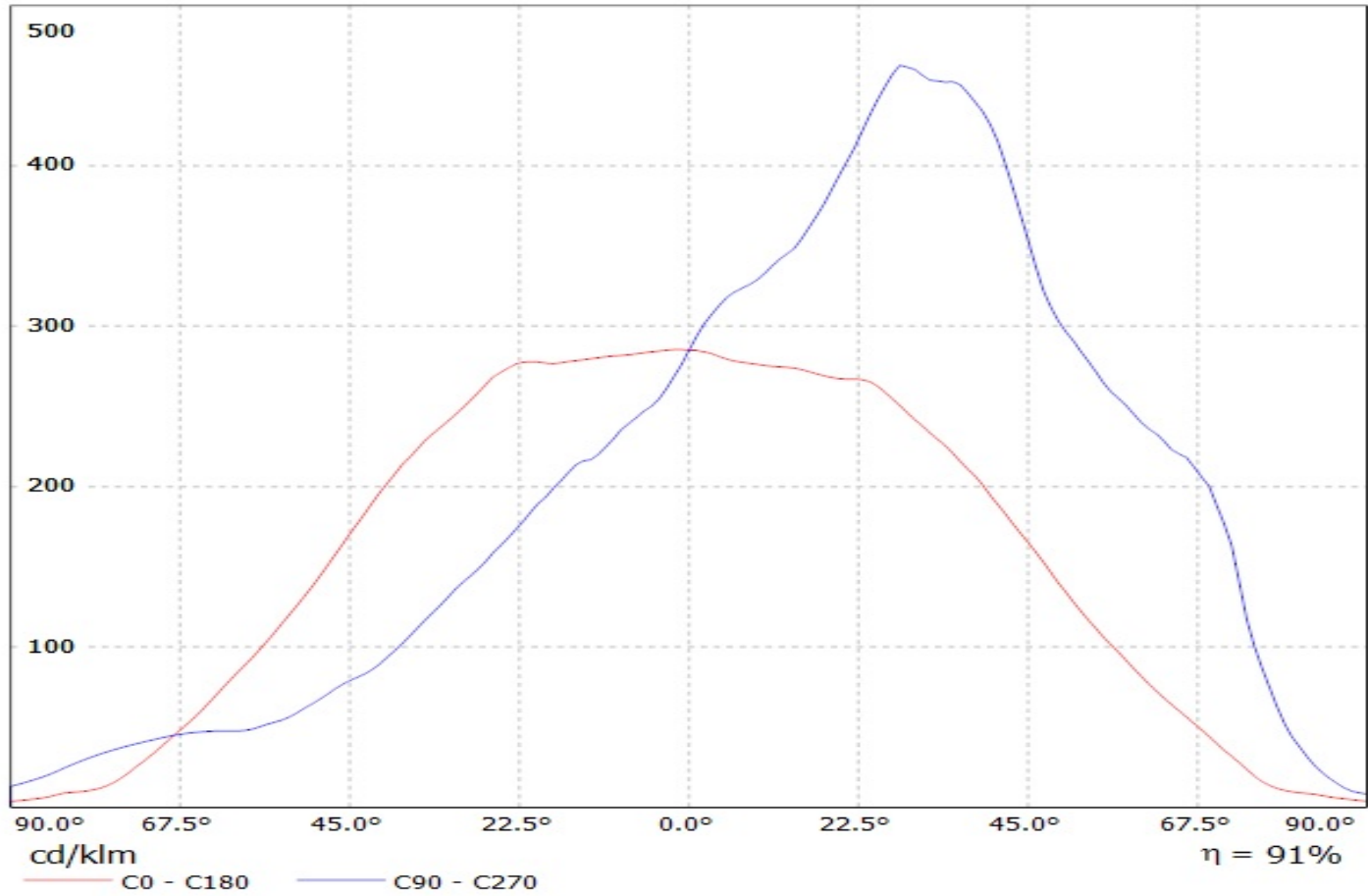


NOTE: Maximum recommended tightening
torque for STELLA-FRAME is 0,4Nm

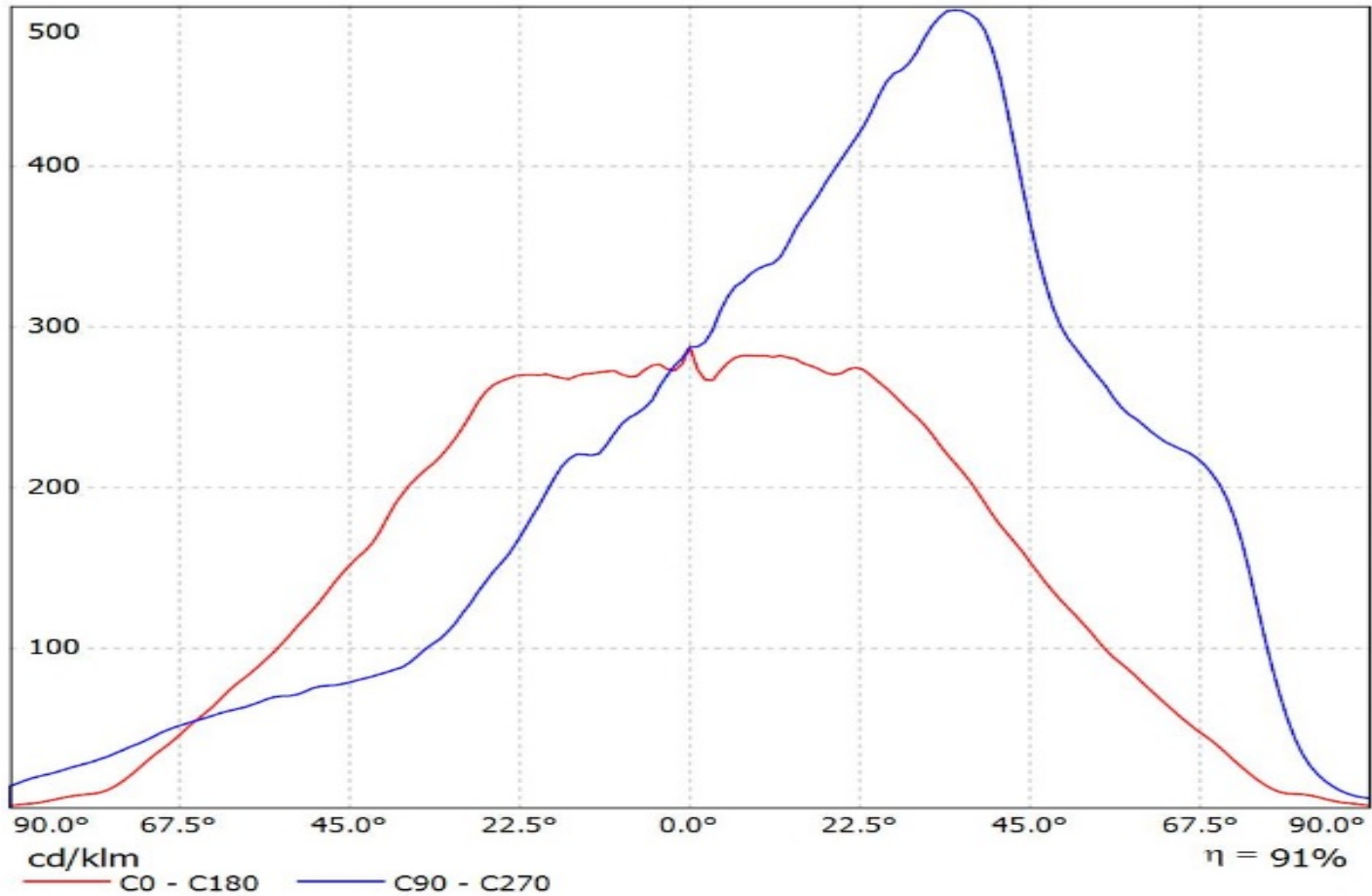
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F14514	STELLA-T4	Optical grade LSR	
2	C13322	STELLA-FRAME	PA	black

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 Ledil Oy Salorankatu 10 FIN 24240 SALO Finland		
		DRAWING TITLE STELLA-T4 datasheet		
SIZE		PART NUMBER		
A2		FN14645		
SCALE		1:1	WEIGHT	-
SHEET		1 / 1		

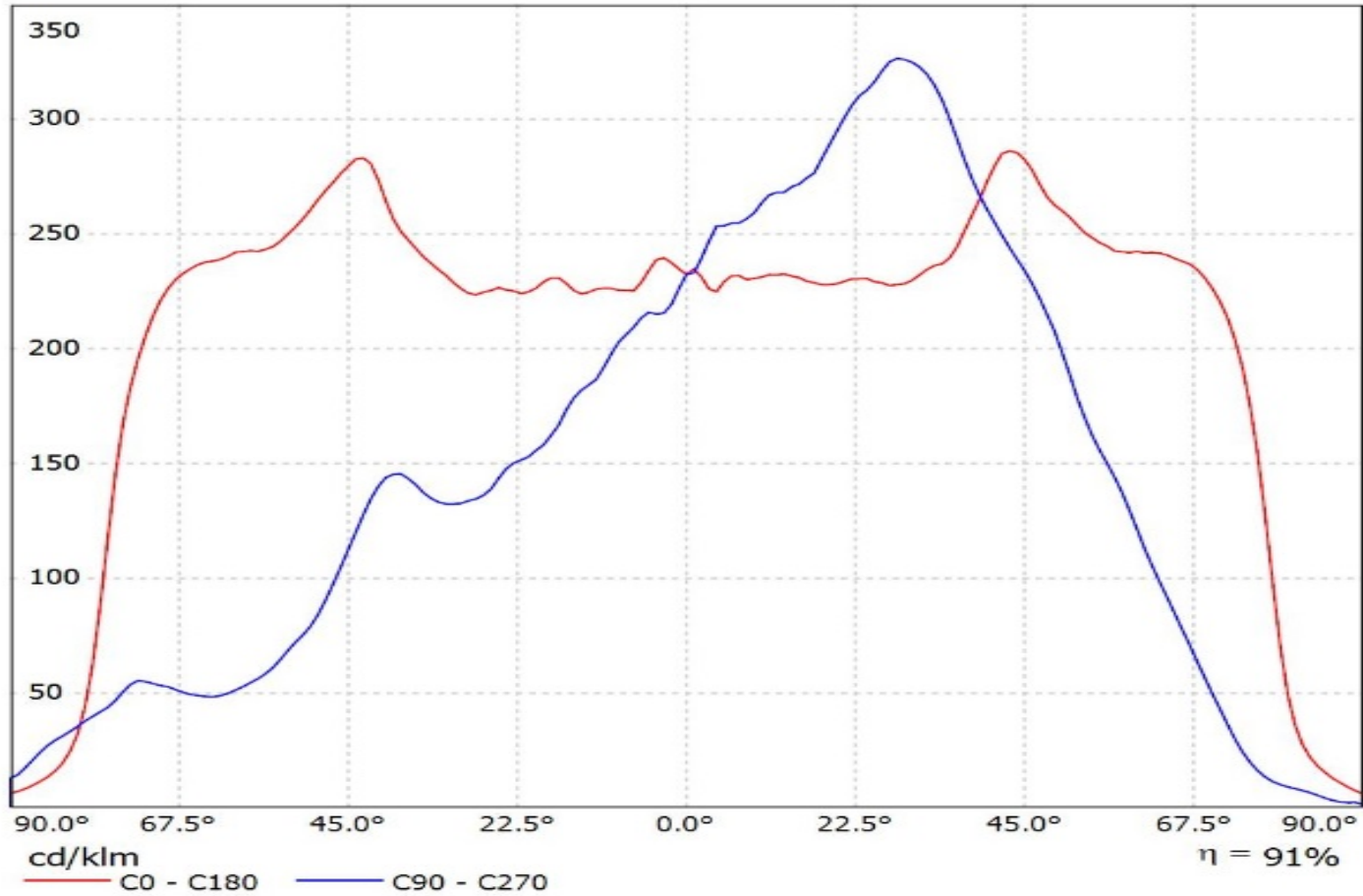
Luminaire: LEDiL Oy FN14645_STELLA-T4_(CLU046)
Lamps: 1 x Citizen_CLU046_1354.66lm@250mA_P=8.06877W_I=0.2499A



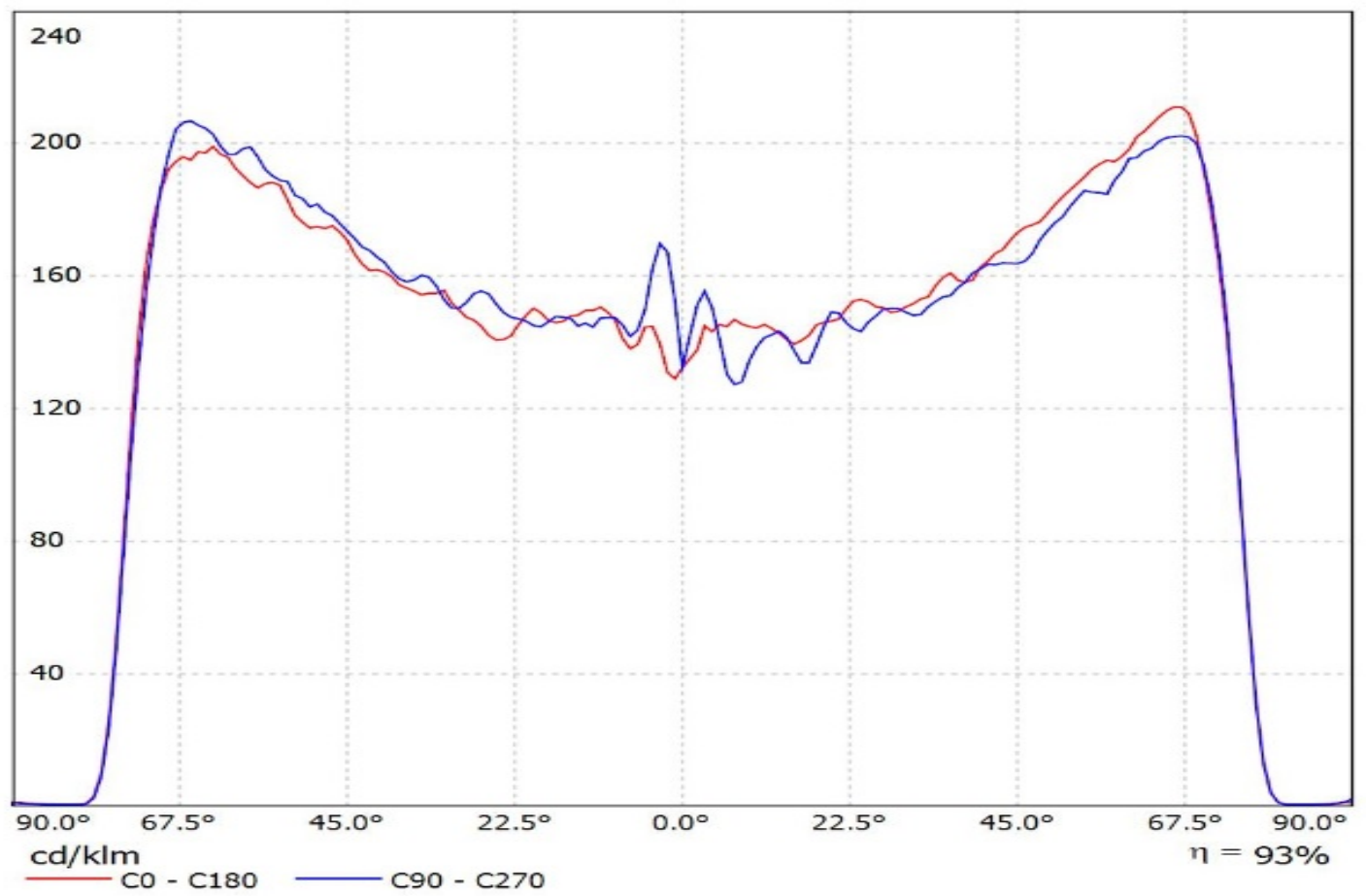
Luminaire: Ledil Oy FN14645_STELLA-T4_(CLU048)_(B&W_431_Type_Z1)_SIMULATED
Lamps: 1 x Citizen CLU048-1818C4-303M2K1 + Bender & Wlrth 431 Type Z1



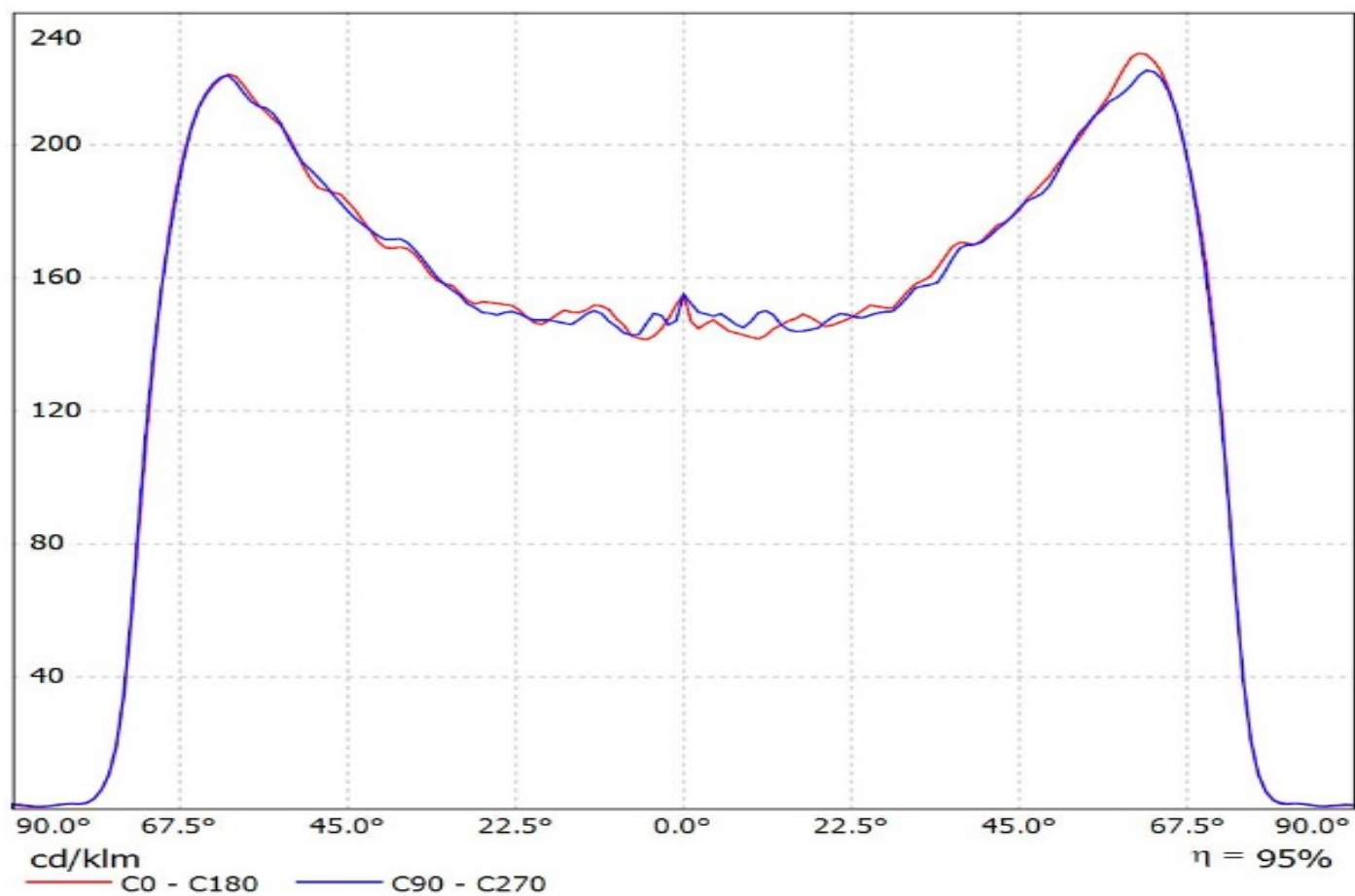
Luminaire: Ledil Oy FN14976_STELLA-DWC2_(CLU048)_(B&W_431_Type_Z1)_SIMULATED
Lamps: 1 x Citizen CLU048 + Bender & Wirth 431 Type Z1



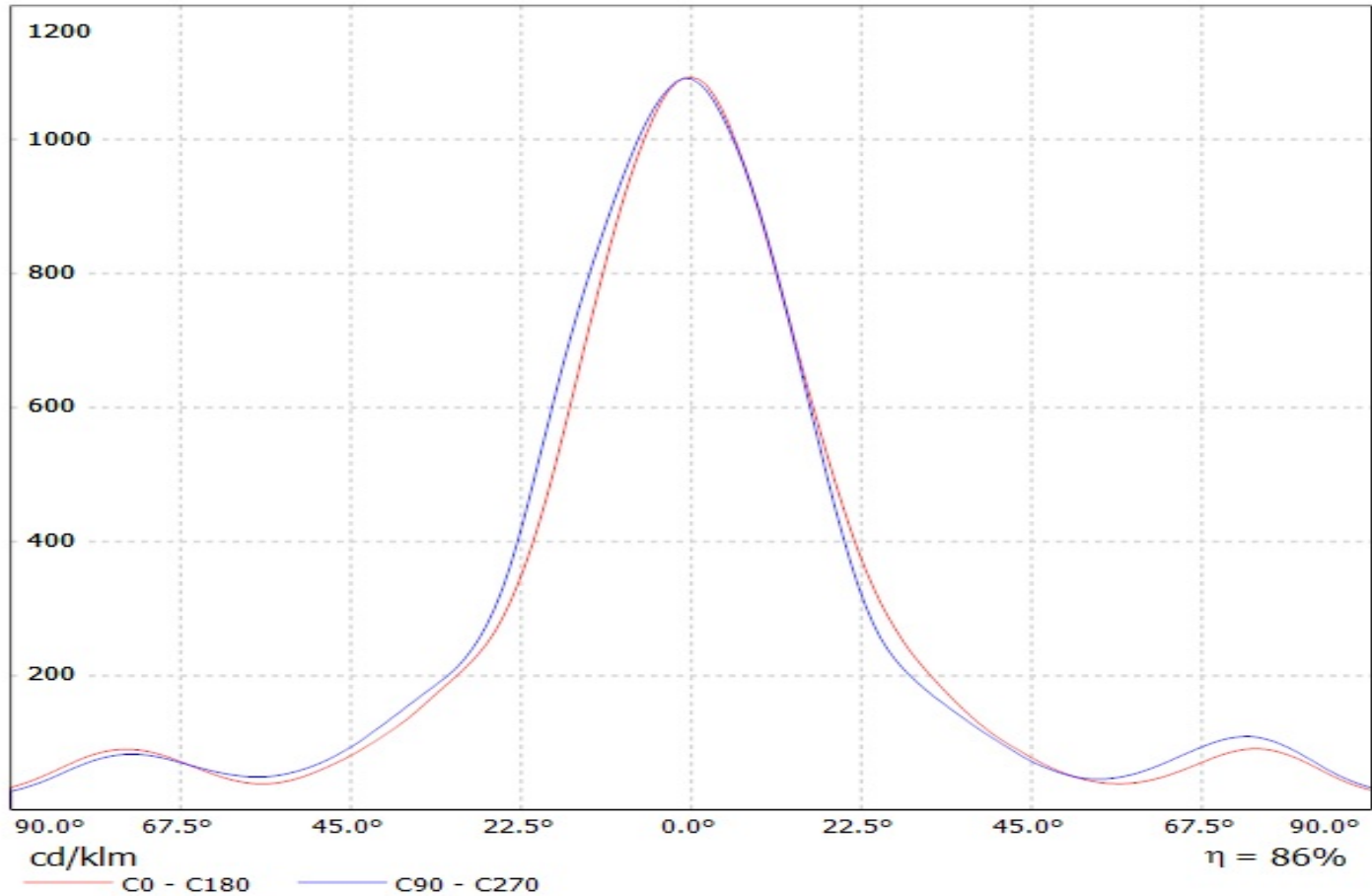
Luminaire: Ledil Oy FN15379_STELLA-VSM_simulated_CLU044
Lamps: 1 x Citizen CLU044



Luminaire: Ledil Oy FN15379_STELLA-VSM_(CLU048)_(B&W_431_Type_Z1)_SIMULATED
Lamps: 1 x Citizen CLU048 + Bender & Wirth 431 Type Z1



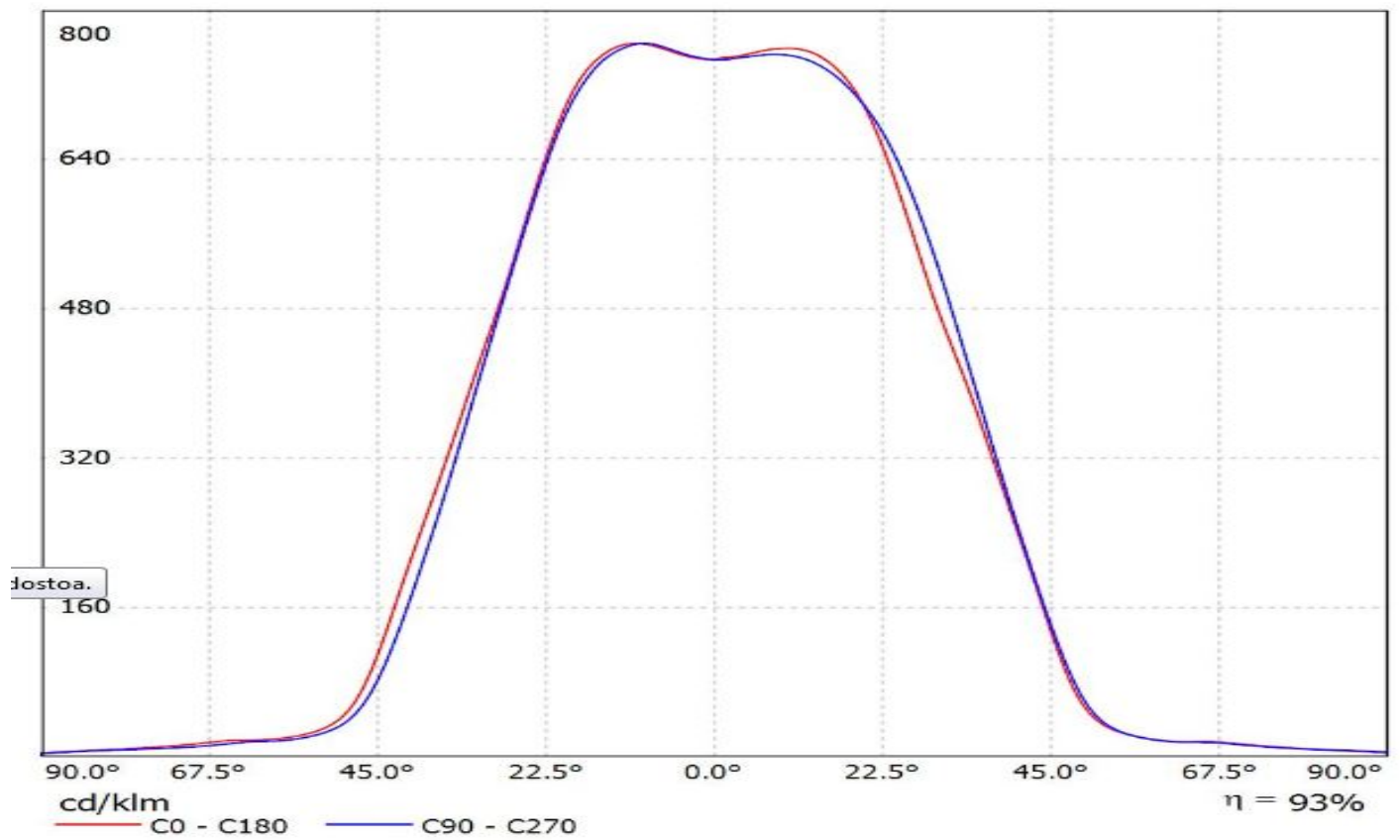
Luminaire: LEDiL Oy FN14720_STELLA-FRESNEL_(CLU046)
Lamps: 1 x Citizen_CLU046_1354.66lm@250mA_P=8.06877W_I=0.2499A



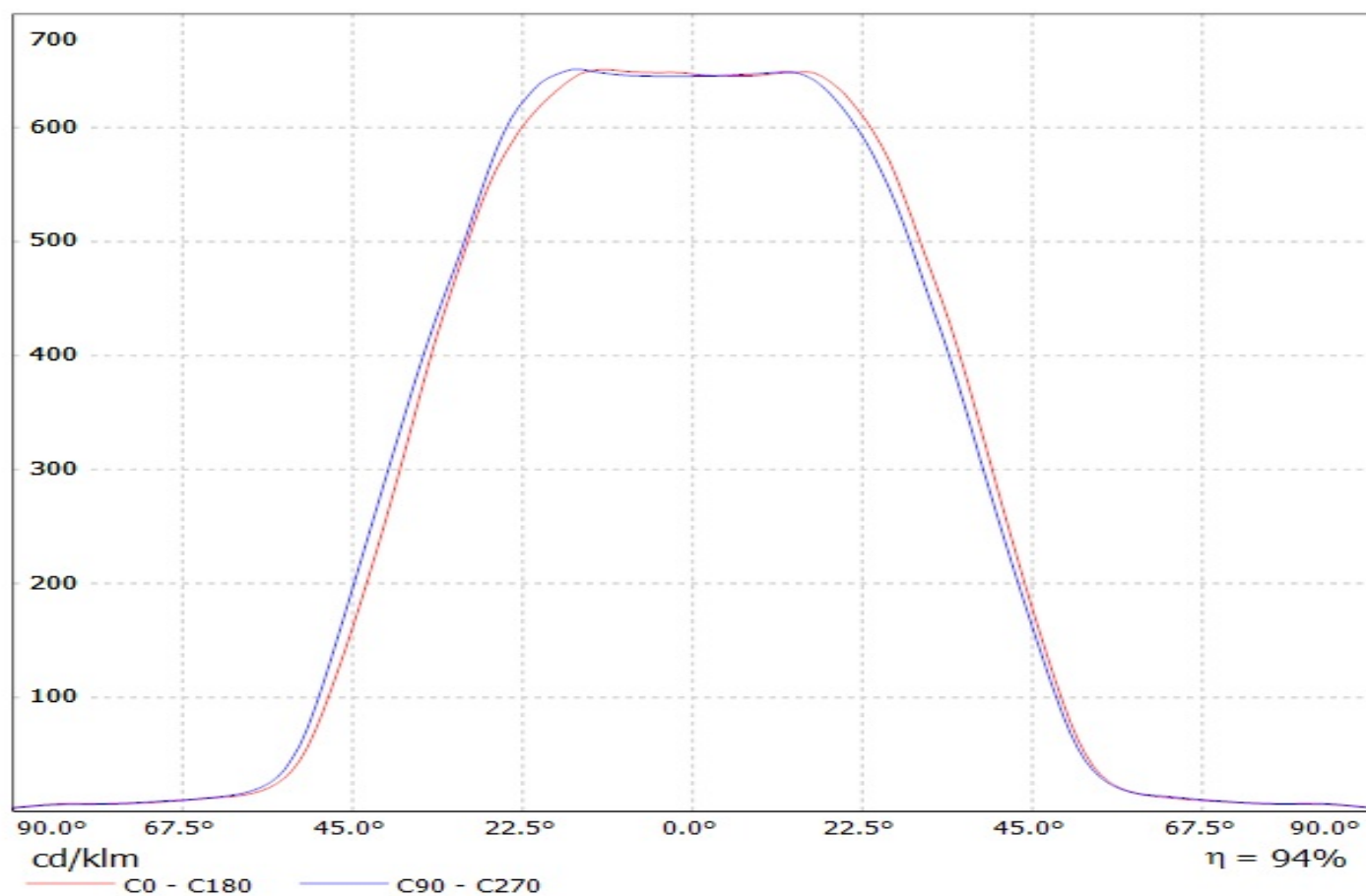
Ledil FN14074_STELLA-HB_(CLU044)_(431_Typ_L3) / LDC (Linear)

Luminaire: Ledil FN14074_STELLA-HB_(CLU044)_(431_Typ_L3)

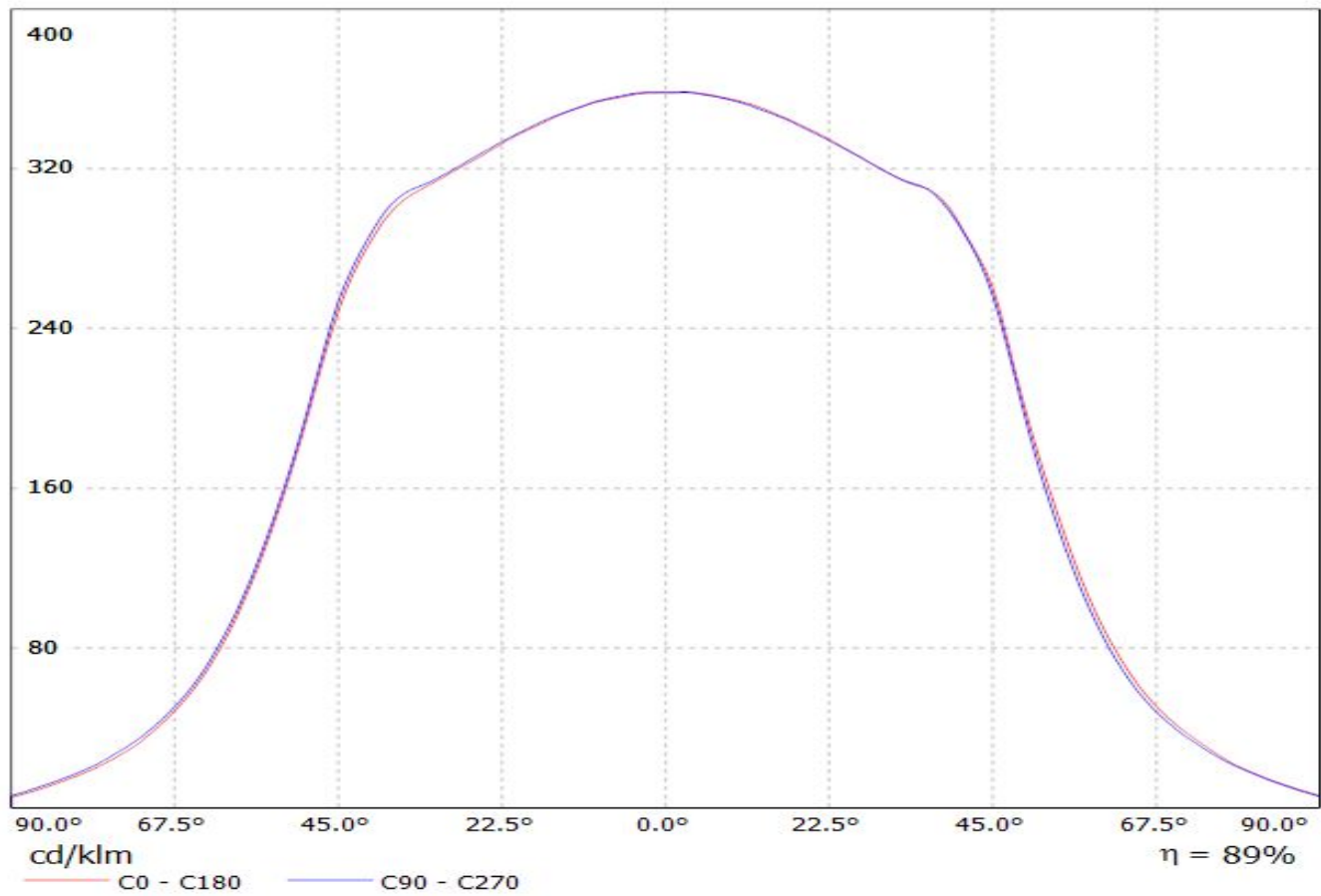
Lamps: 1 x Citizen_CLU044_(CLU044-1212B8-303M1A2)_1334.99lm@250mA_P=8.16W_I=0.25A



Luminaire: LEDiL Oy FN14074_STELLA-HB_(CLU046)
Lamps: 1 x Citizen_CLU046_1354.66lm@250mA_P=8.06877W_I=0.2499A

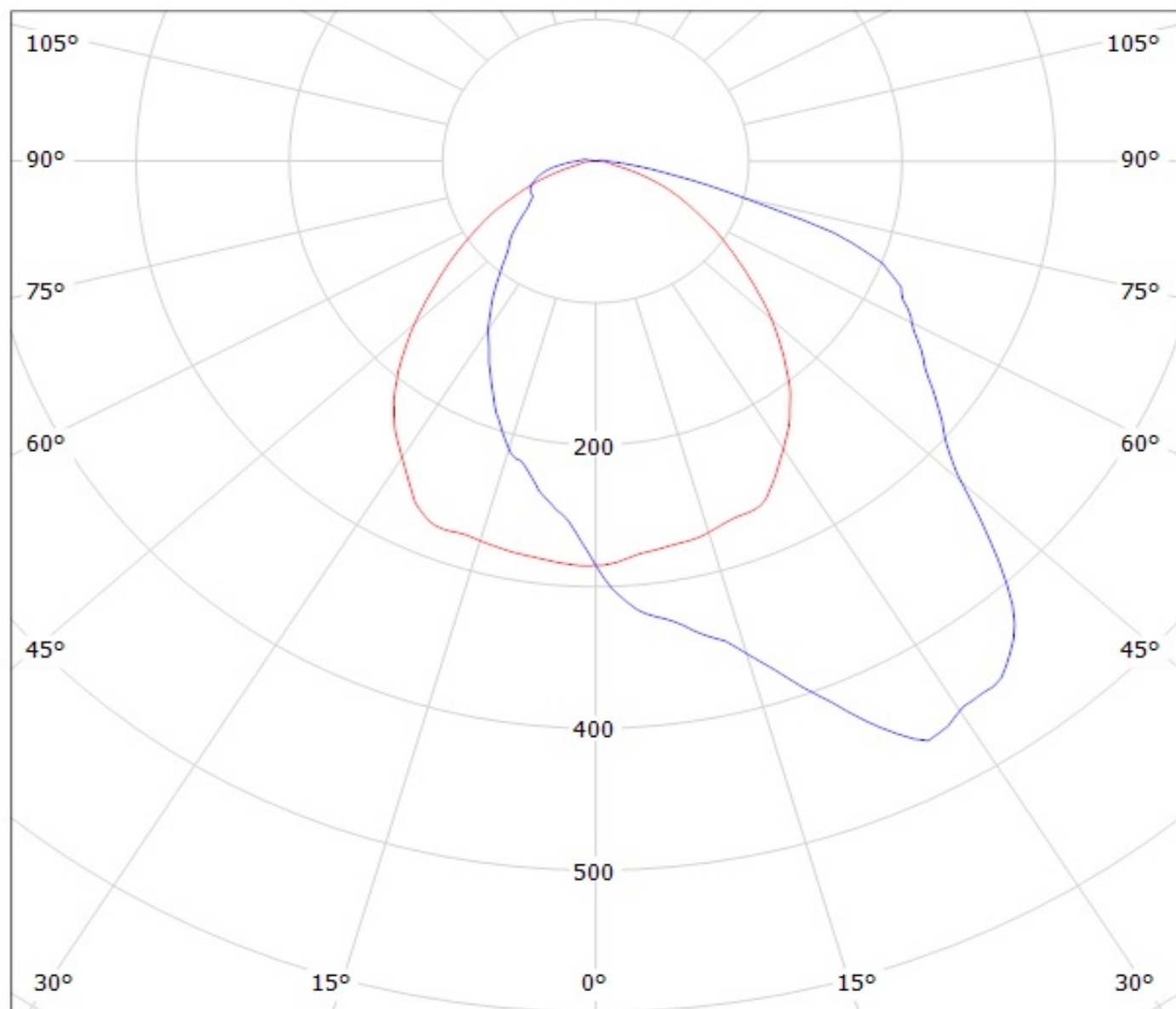


Luminaire: LEDiL Oy FN15264_STELLA-HB-WWW (CLU046)
Lamps: 1 x Citizen_CLU046_(-1212C1-303M2G2)_1373.06lm@250mA_CCT3000K_P=8.08253W_I=0.25A



Luminaire: LEDiL Oy FN14645_STELLA-T4_(CLU046)

Lamps: 1 x Citizen_CLU046_1354.66lm@250mA_P=8.06877W_I=0.2499A



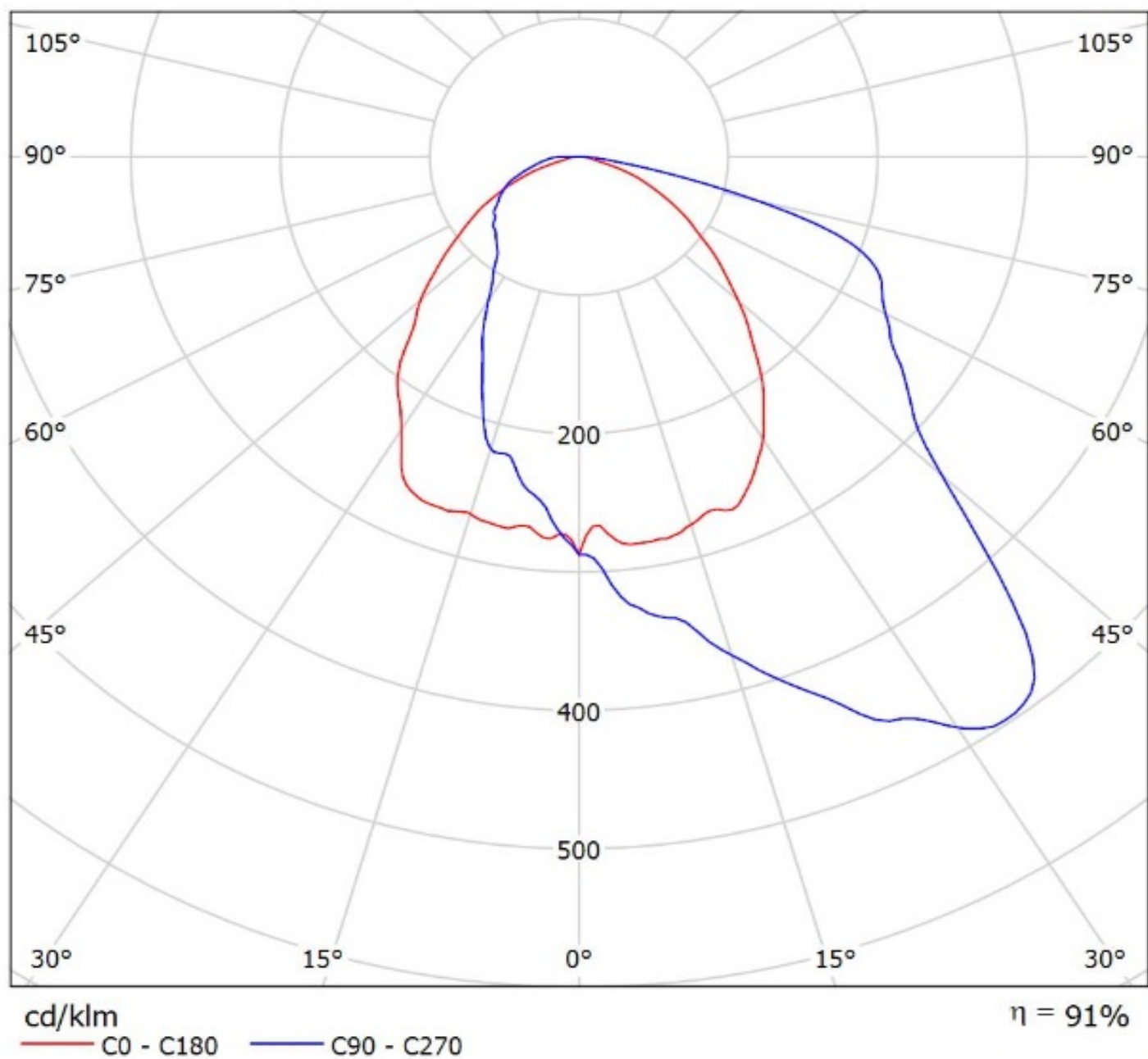
cd/klm

$\eta = 91\%$

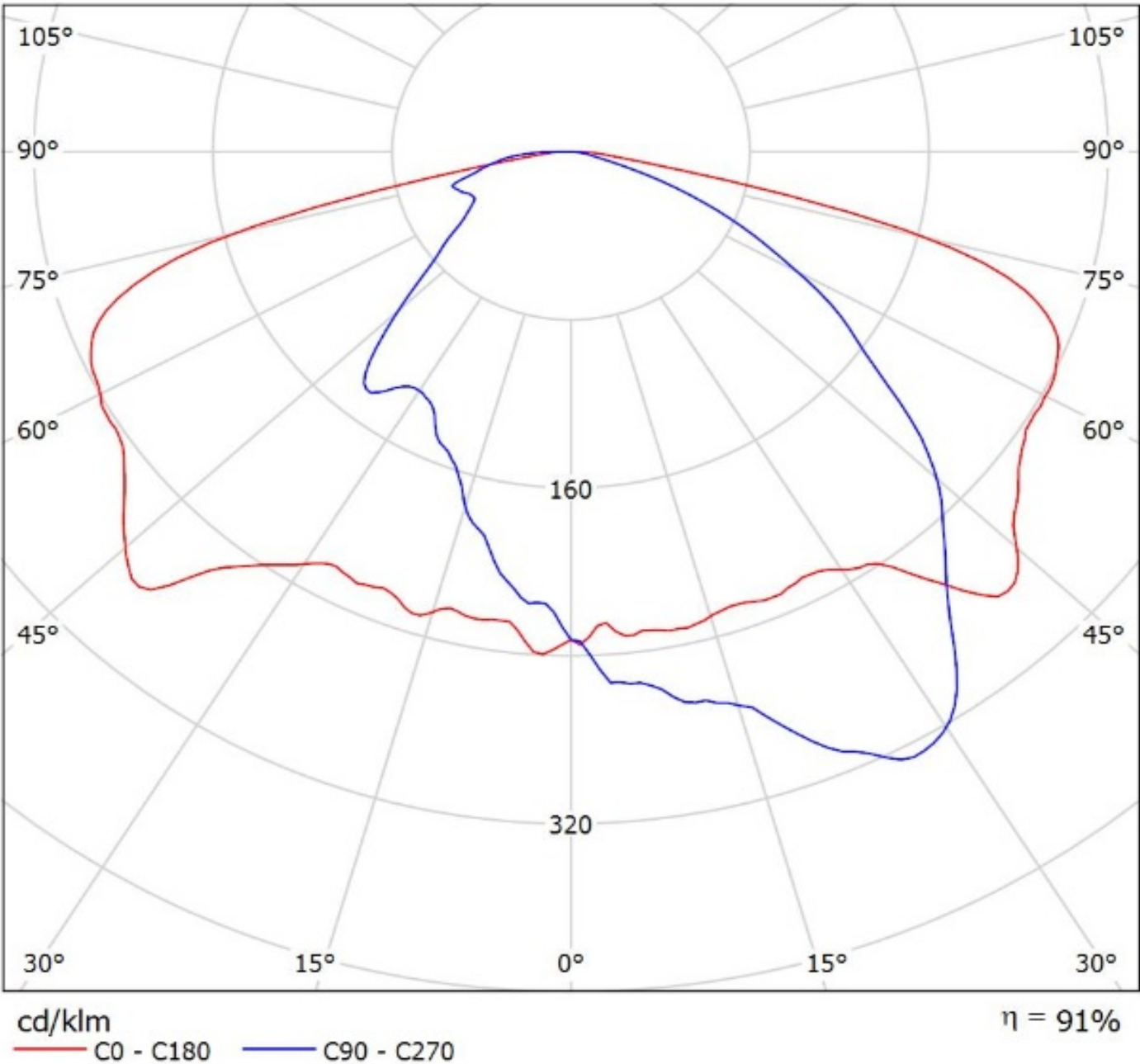
— C0 - C180

— C90 - C270

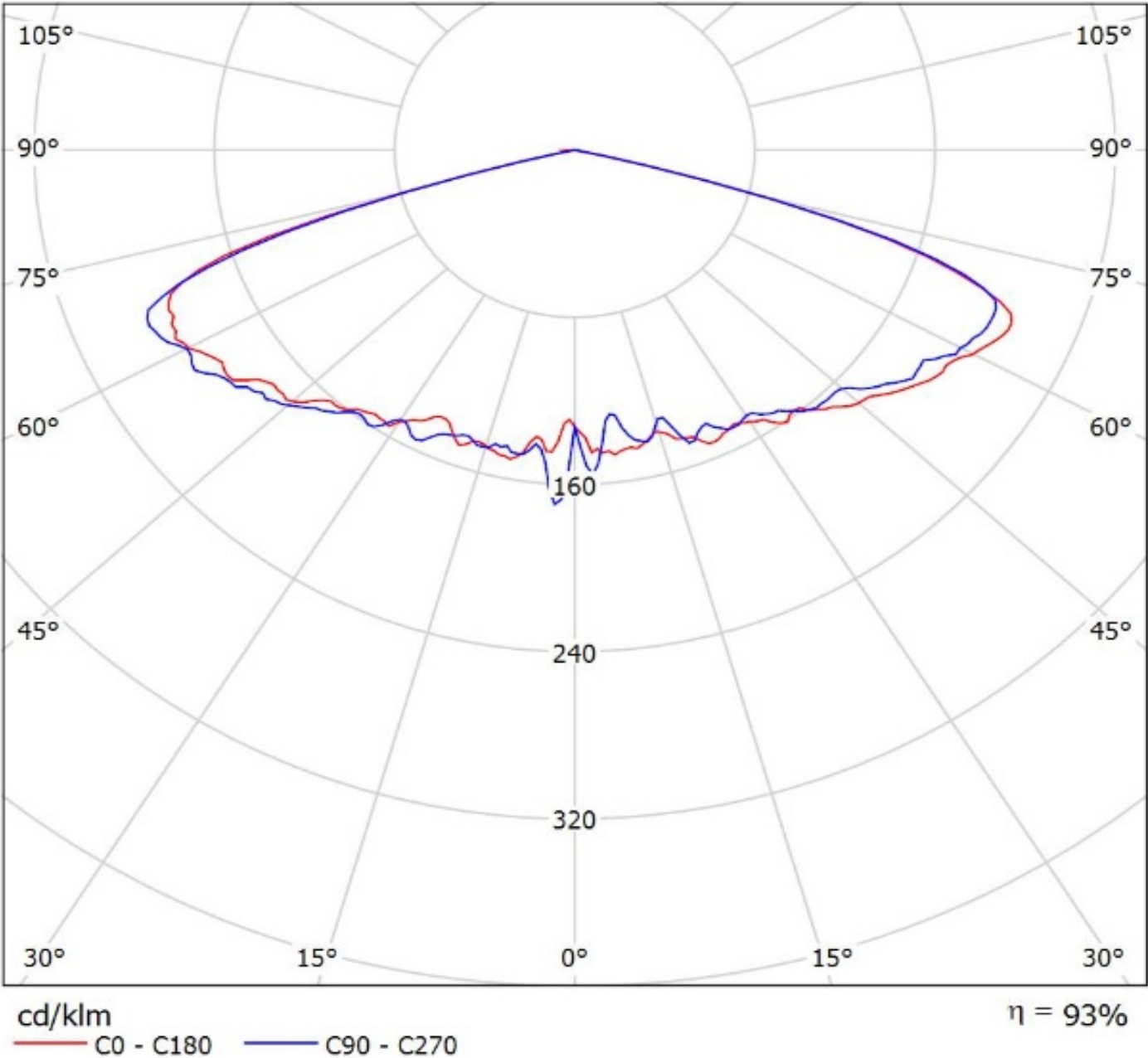
Luminaire: Ledil Oy FN14645_STELLA-T4_(CLU048)_(B&W_431_Type_Z1)_SIMULATED
Lamps: 1 x Citizen CLU048-1818C4-303M2K1 + Bender & Wlrth 431 Type Z1



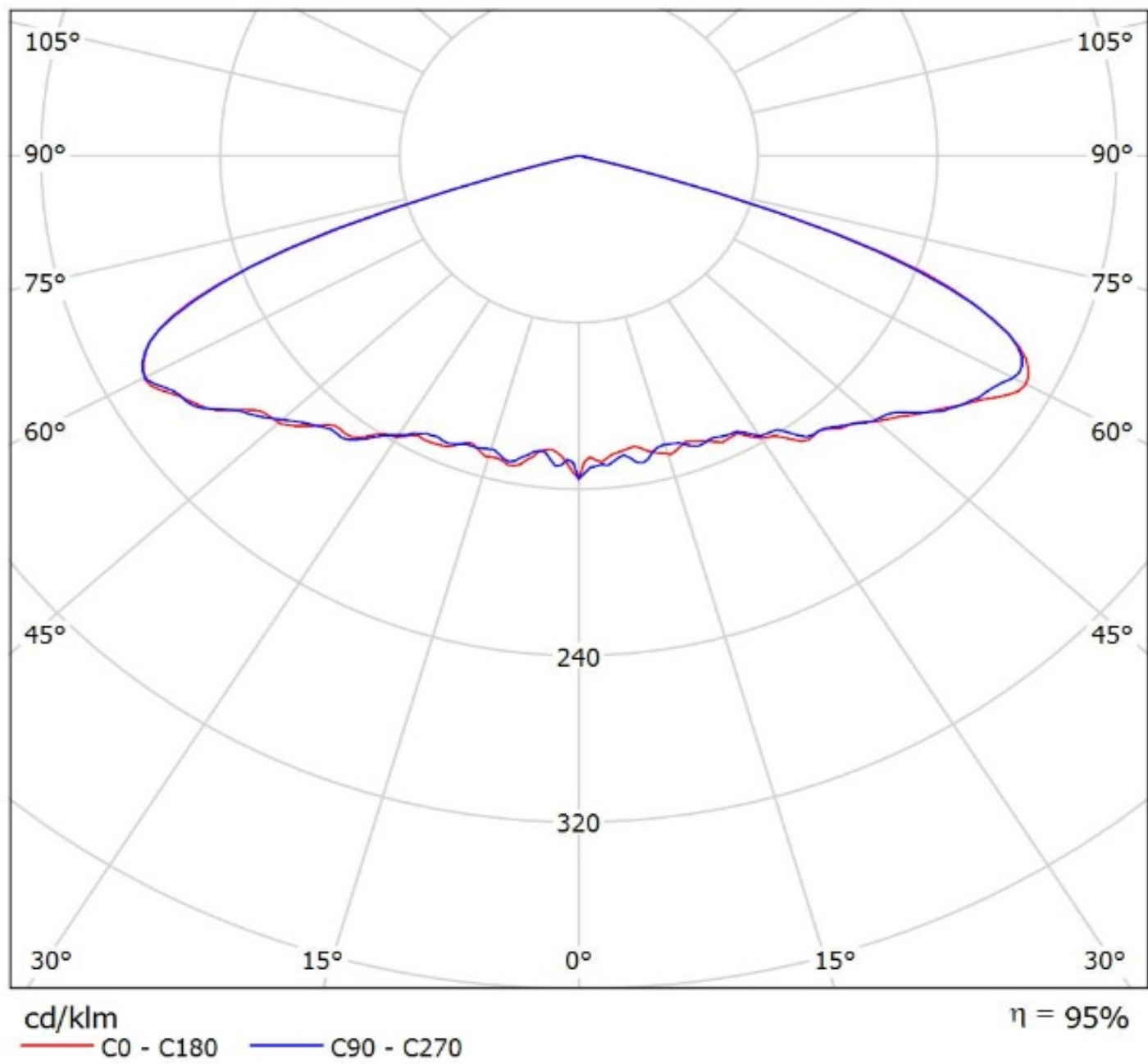
Luminaire: Ledil Oy FN14976_STELLA-DWC2_(CLU048)_(B&W_431_Type_Z1)_SIMULATED
Lamps: 1 x Citizen CLU048 + Bender & Wirth 431 Type Z1



Luminaire: Ledil Oy FN15379_STELLA-VSM_simulated_CLU044
Lamps: 1 x Citizen CLU044

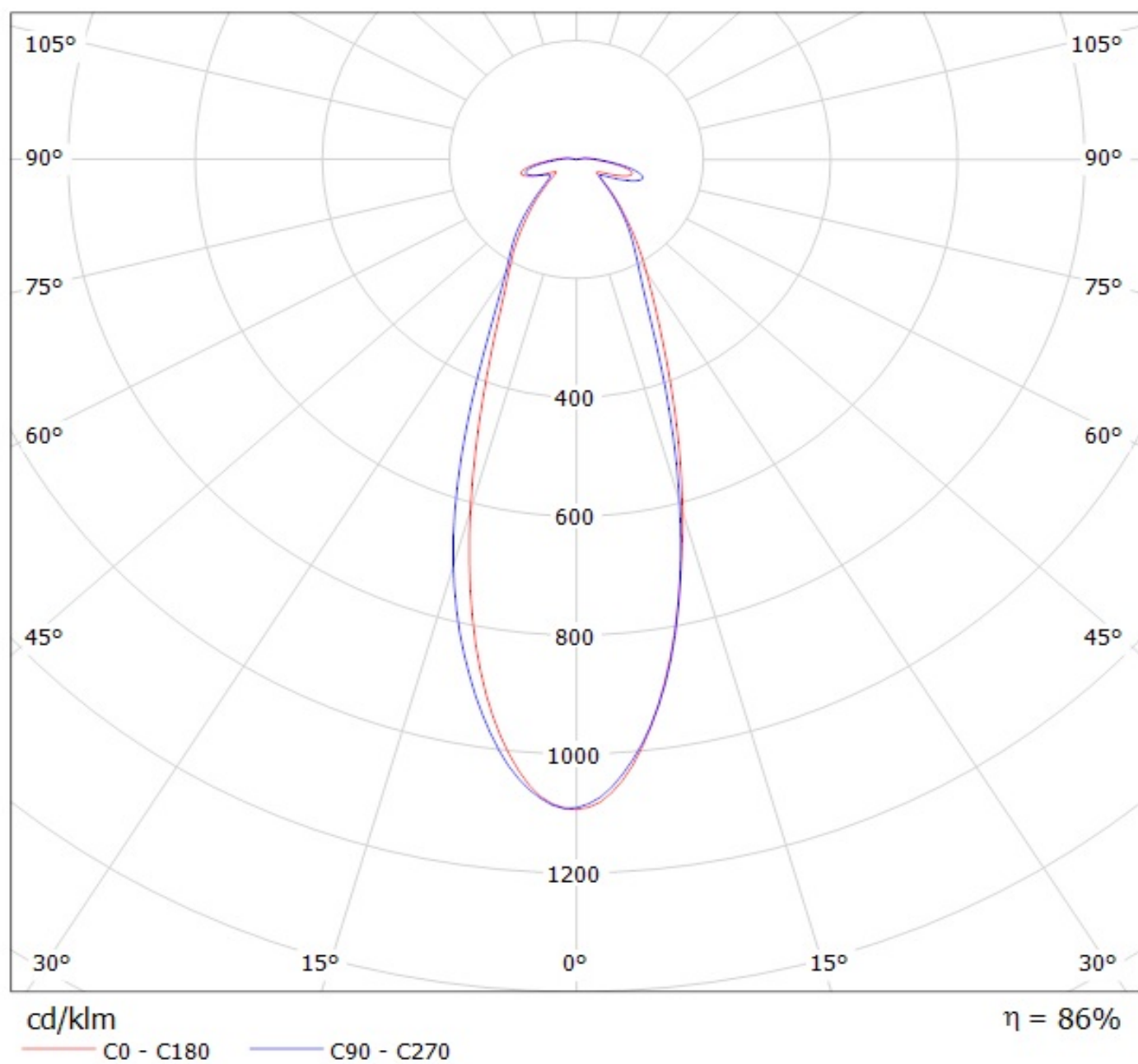


Luminaire: Ledil Oy FN15379_STELLA-VSM_(CLU048)_(B&W_431_Type_Z1)_SIMULATED
Lamps: 1 x Citizen CLU048 + Bender & Wirth 431 Type Z1



Luminaire: LEDiL Oy FN14720_STELLA-FRESNEL_(CLU046)

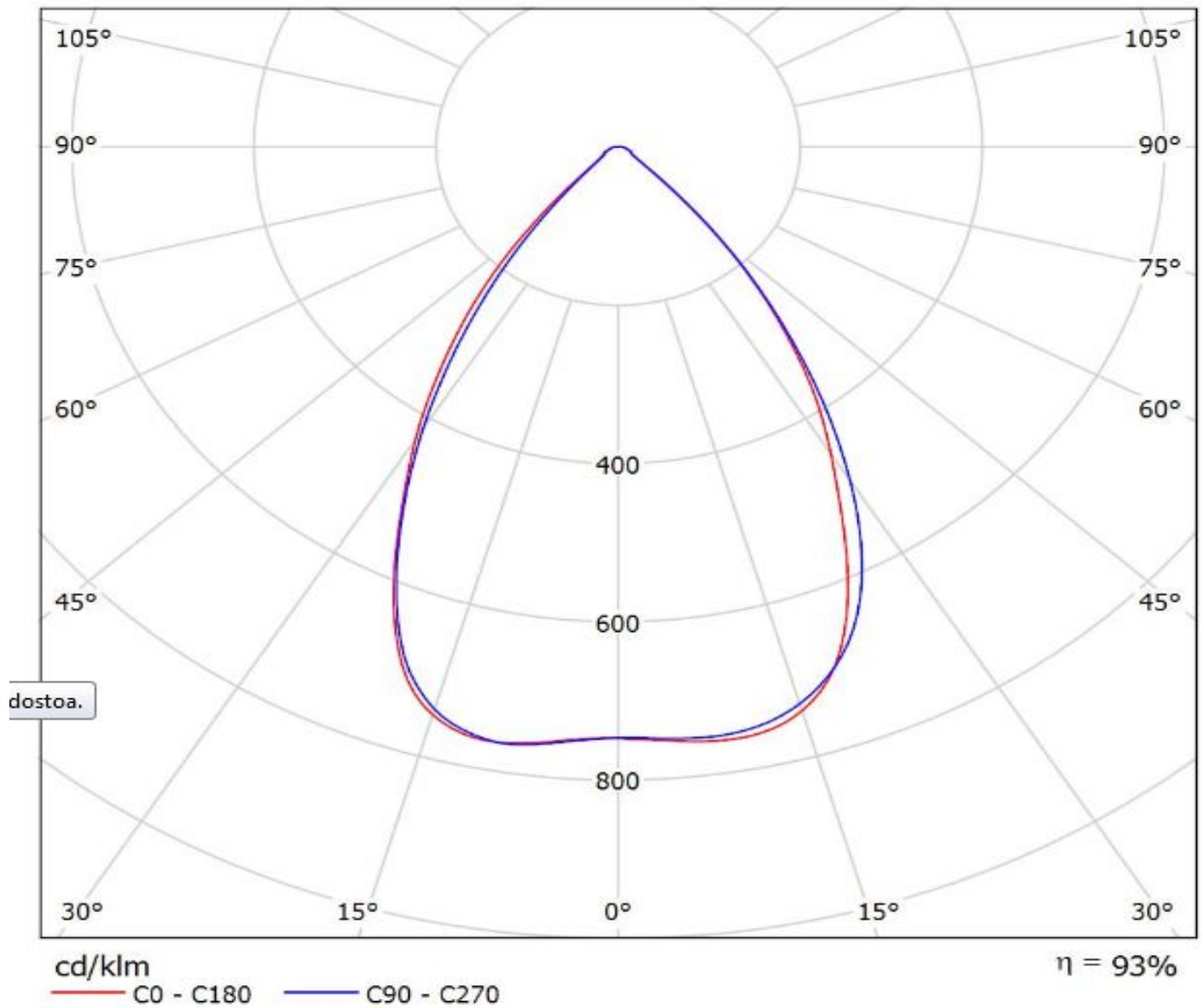
Lamps: 1 x Citizen_CLU046_1354.66lm@250mA_P=8.06877W_I=0.2499A



Ledil FN14074_STELLA-HB_(CLU044)_(431_Typ_L3) / LDC (Polar)

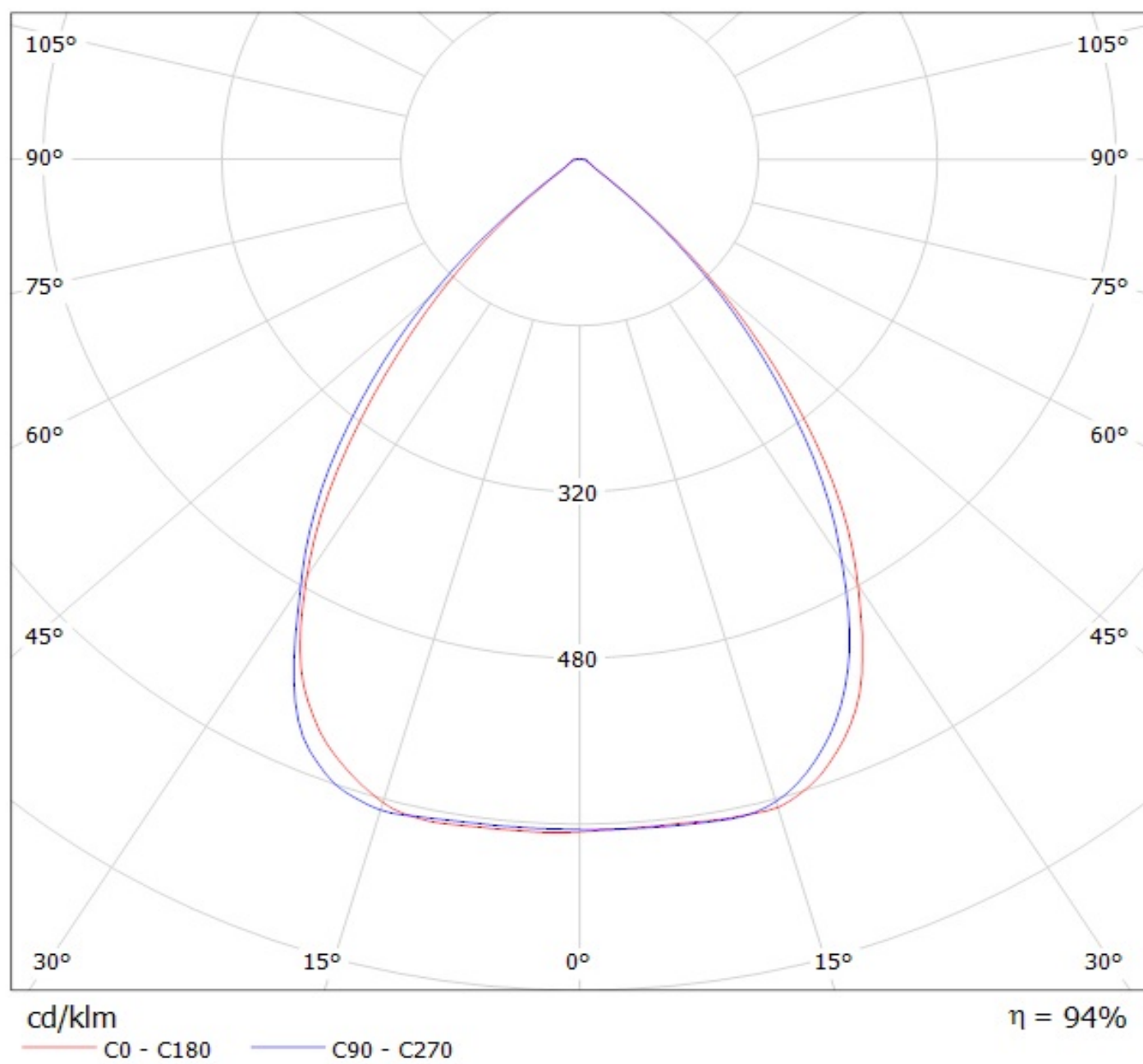
Luminaire: Ledil FN14074_STELLA-HB_(CLU044)_(431_Typ_L3)

Lamps: 1 x Citizen_CLU044_(CLU044-1212B8-303M1A2)_1334.99lm@250mA_P=8.16W_I=0.25A



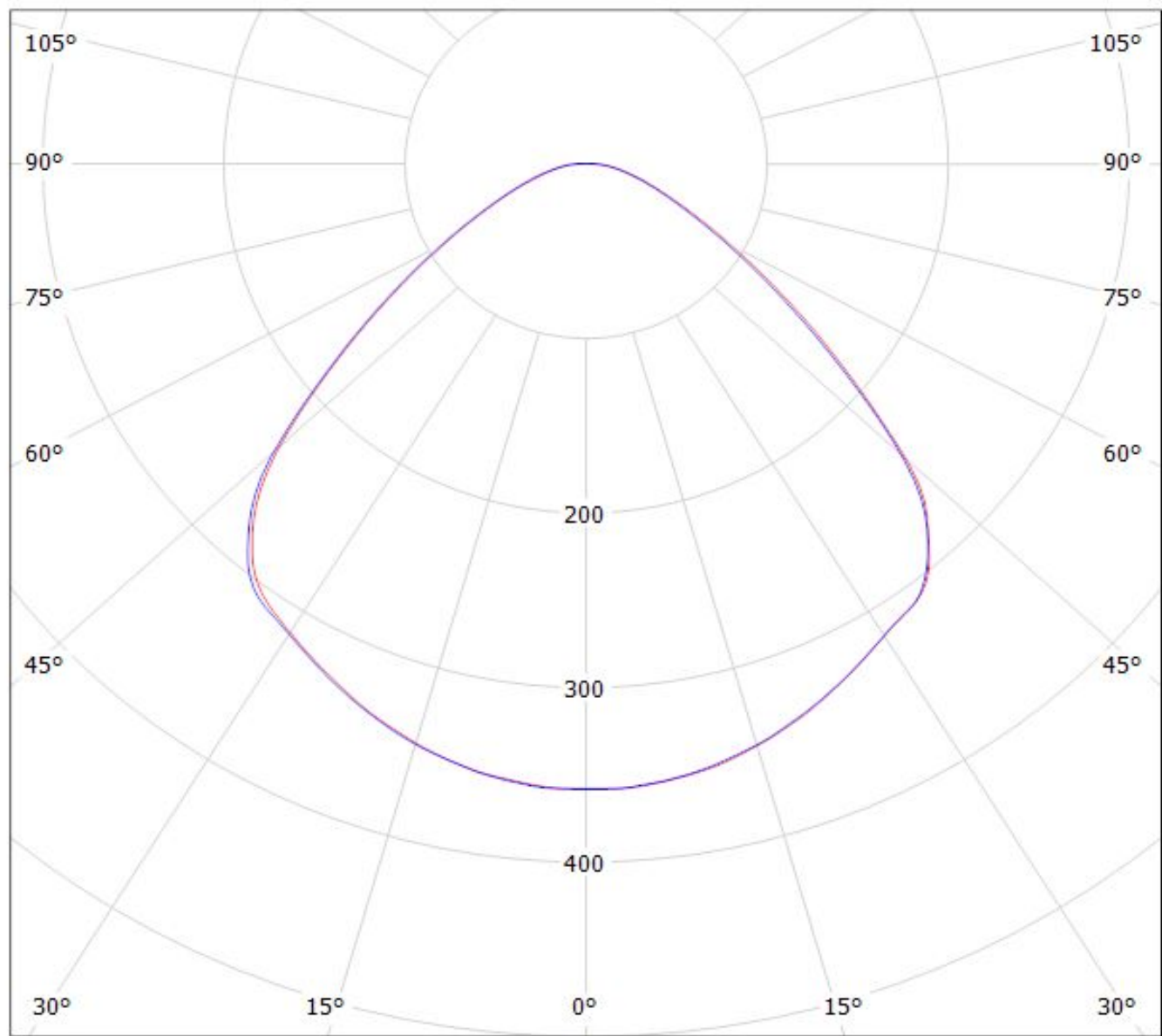
Luminaire: LEDiL Oy FN14074_STELLA-HB_(CLU046)

Lamps: 1 x Citizen_CLU046_1354.66lm@250mA_P=8.06877W_I=0.2499A



Luminaire: LEDiL Oy FN15264_STELLA-HB-WWW_(CLU046)

Lamps: 1 x Citizen_CLU046_(-1212C1-303M2G2)_1373.06lm@250mA_CCT3000K_P=8.08253W_I=0.25A



cd/klm

η = 89%

— C0 - C180 — C90 - C270