

## DETAILS

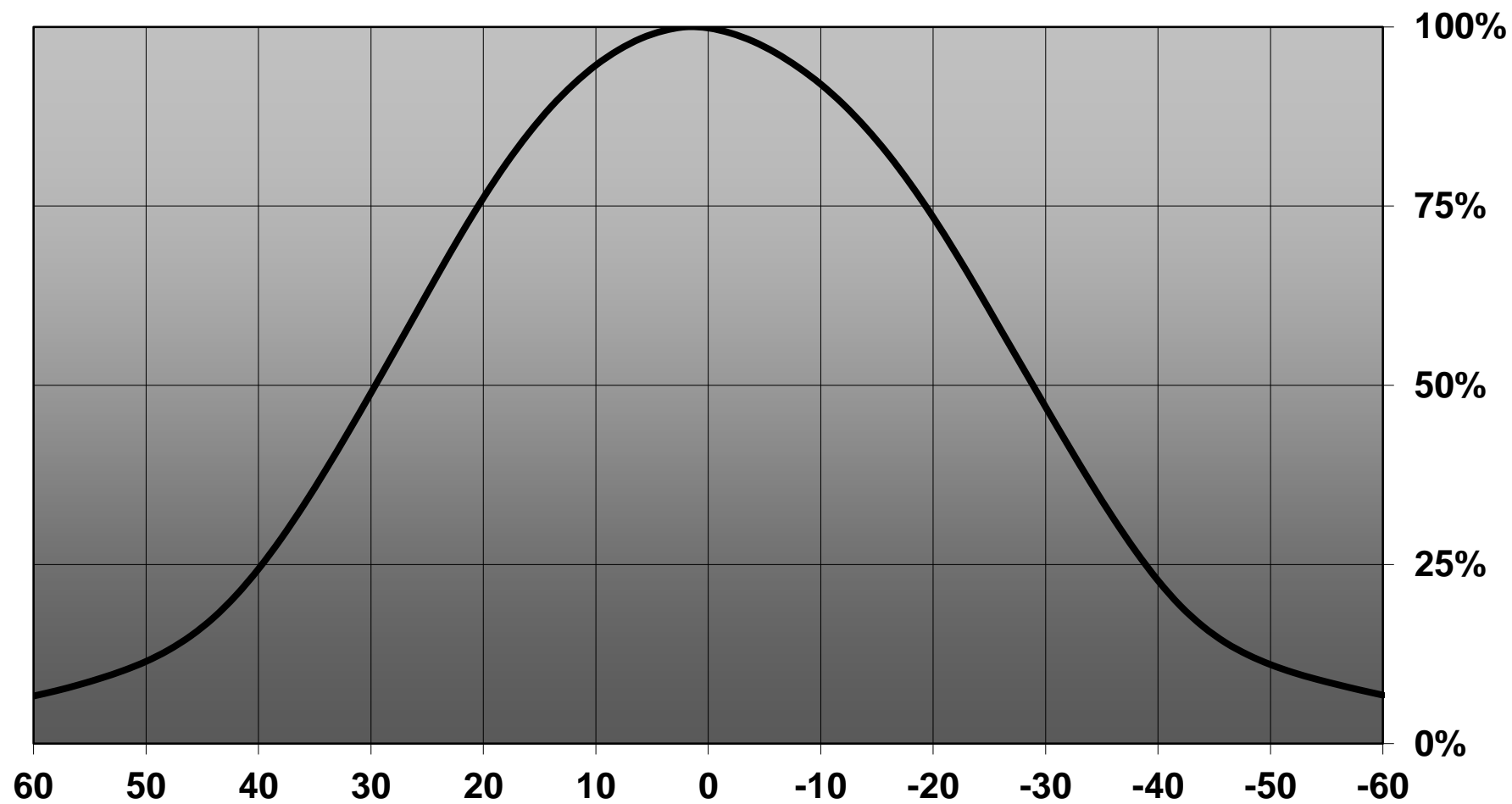
Product Number	CN13990_SAGA-HB-IP-WHT
Family	Saga
Type	Assembly
Color	white
Diameter	50 mm
Height	12 mm
Style	round
Optic Material	HRPC
Holder Material	HRPC
Fastening	screw
Status	production ready
ROHS Compliant	Yes
Date Updated	5/04/2016



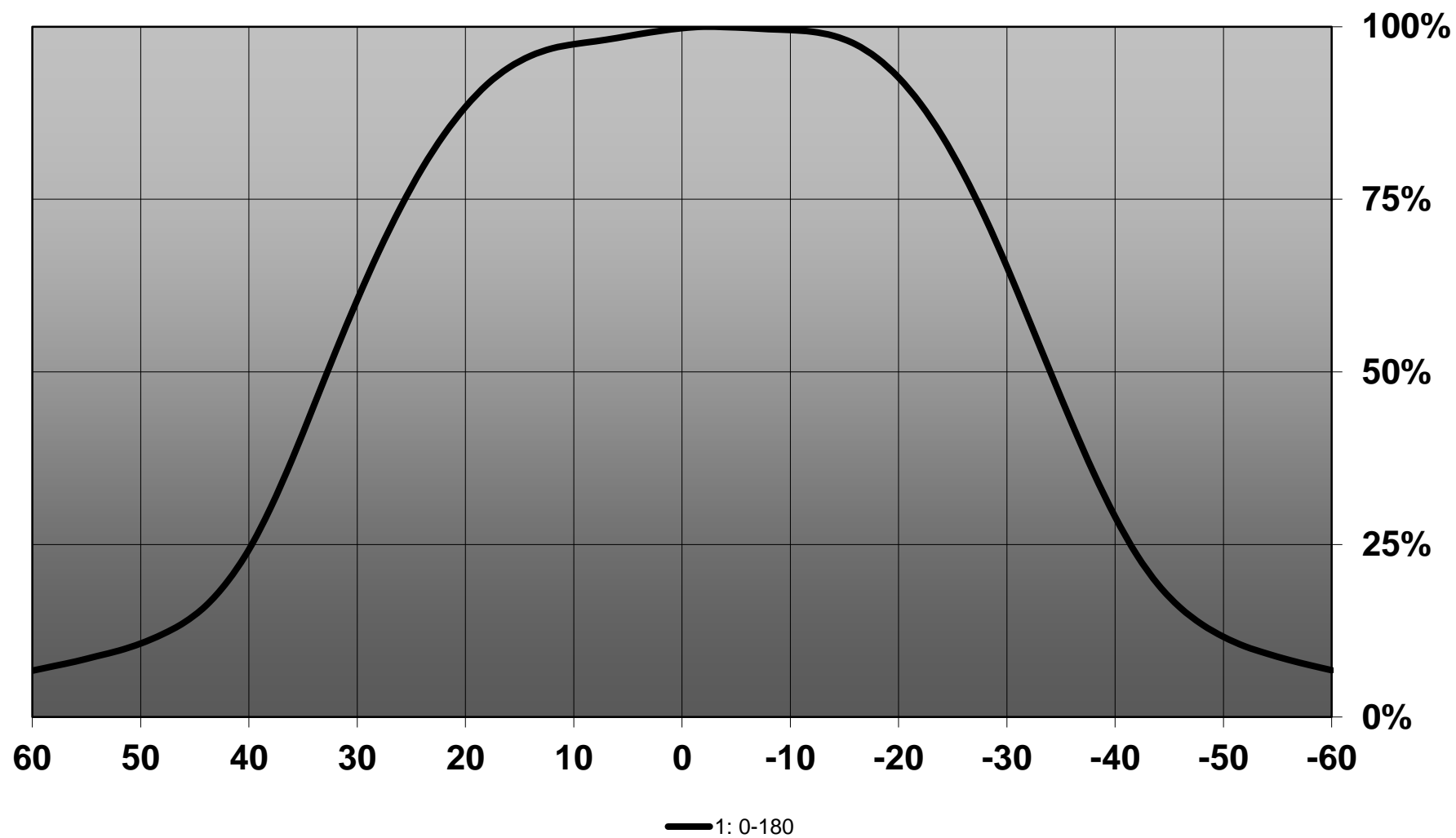
## OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
CXM-14	sim: 61	HighBay	sim: 84 %	sim: 0.610	Bender Wirth: 433 Typ L6
ZC12/18	sim: 61	HighBay	sim: 84 %	sim: 0.610	Bender Wirth: 433 Typ L6
CXM-9	sim: 47	HighBay	sim: 86 %	sim: 1.000	Bender Wirth: 434 Typ L6
ZC4/6	sim: 47	HighBay	sim: 86 %	sim: 1.000	Bender Wirth: 434 Typ L6
LUXEON CoB 105/107/109	sim: 67	HighBay	sim: 90 %	sim: 0.700	-
Soleriq S9	sim: 56	HighBay	sim: 93 %	sim: 1.100	-
LC020C	sim: 42	HighBay	sim: 87 %	sim: 1.600	Bender Wirth: 479 Typ L6
LC040C	sim: 51	HighBay	sim: 87 %	sim: 1.100	Bender Wirth: 480 Typ L6
CLU700	46 deg	HighBay	86 %	1.100	Bender Wirth: 434 Typ L6
CLL02x/CLU02x (LES10)	47 deg	HighBay	86 %	1.000	Bender Wirth: 434 Typ L6
CLU720	50 deg	HighBay	85 %	0.850	Bender Wirth: 433 Typ L6
CLU700	56 deg	HighBay	87 %	0.900	-
CLL02x/CLU02x (LES10)	58 deg	HighBay	91 %	0.860	-
VERO10	58 deg	HighBay	92 %	0.850	-
Soleriq P9	58 deg	HighBay	90 %	0.840	-
V10	58 deg	HighBay	89 %	0.830	-
MHD-E/G	60 deg	HighBay	90 %	0.780	-
CLL01x	61 deg	HighBay	92 %	0.840	-
Soleriq S13	61 deg	HighBay	91 %	0.800	-
CLU720	61 deg	HighBay	89 %	0.730	-
CLL03x/CLU03x	61 deg	HighBay	84 %	0.610	Bender Wirth: 433 Typ L6
Mini Zenigata (GW6BM)	62 deg	HighBay	92 %	0.800	-
CLU710	62 deg	HighBay	90 %	0.700	-
CXA/B 1816 & CXA/B 1820 & CXA 1850 63 deg		HighBay	90 %	0.730	-
CXM-9	63 deg	HighBay	88 %	0.720	-

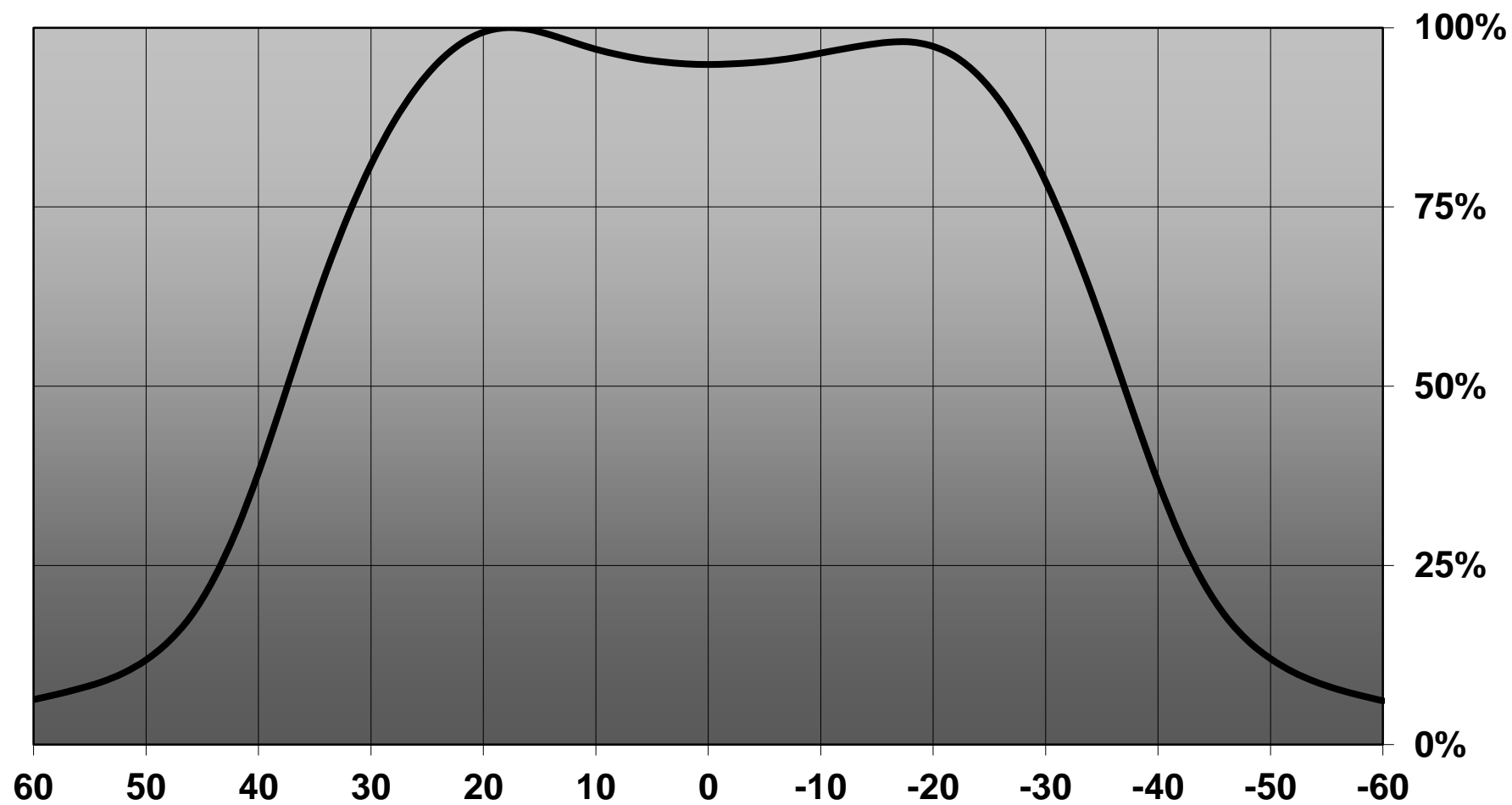
**Relative intensity of CN13990\_SAGA-HB-IP-WHT\_(V10)**



Relative intensity of CN13990\_SAGA-HB-IP-WHT\_(Luxeon\_CoB\_mini)



**Relative intensity of CN13990\_SAGA-HB-IP-WHT\_(Duris\_S10)**



H

G

F

E

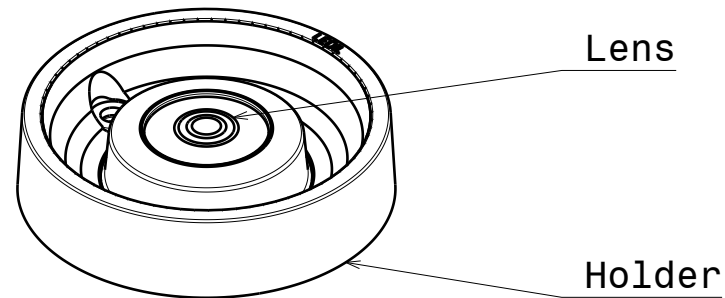
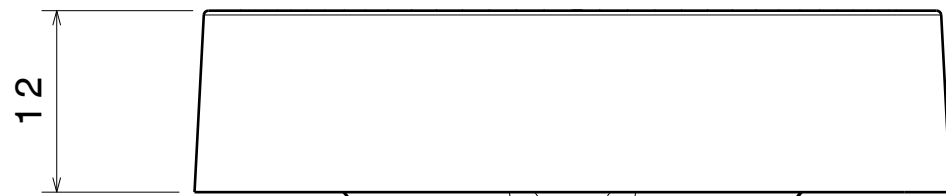
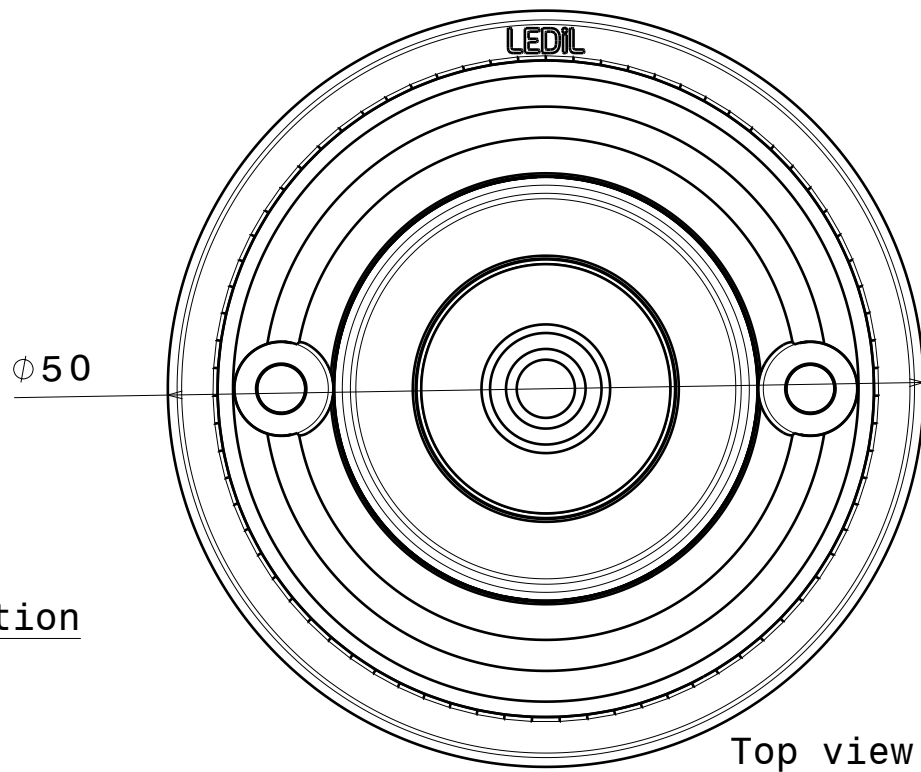
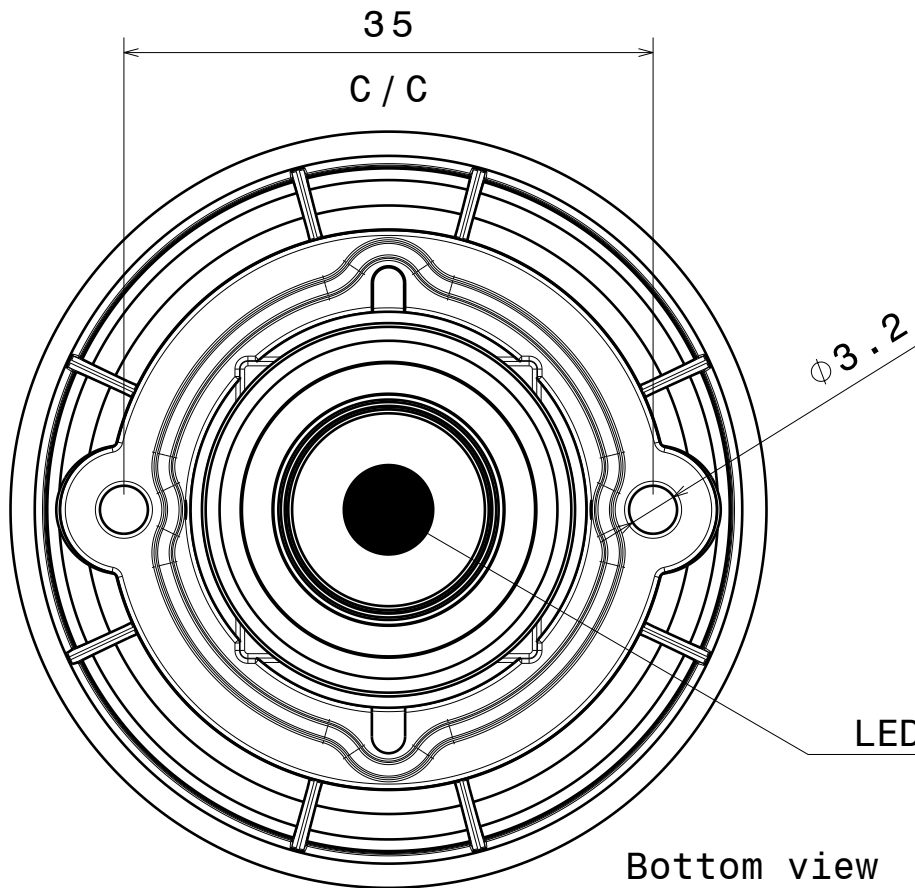
D

C

B

A

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



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  
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agreement with LEDiL Oy."

LEDiL	LediL Oy			
	Salorankatu 10			
	FIN 24240 SALO			
	Finland			
DRAWING TITLE				
CN13990_SAGA-HB-IP-WHT				
SIZE	PART NUMBER			
A3	CN13990			
SCALE	2:1	WEIGHT	-	SHEET 1/1

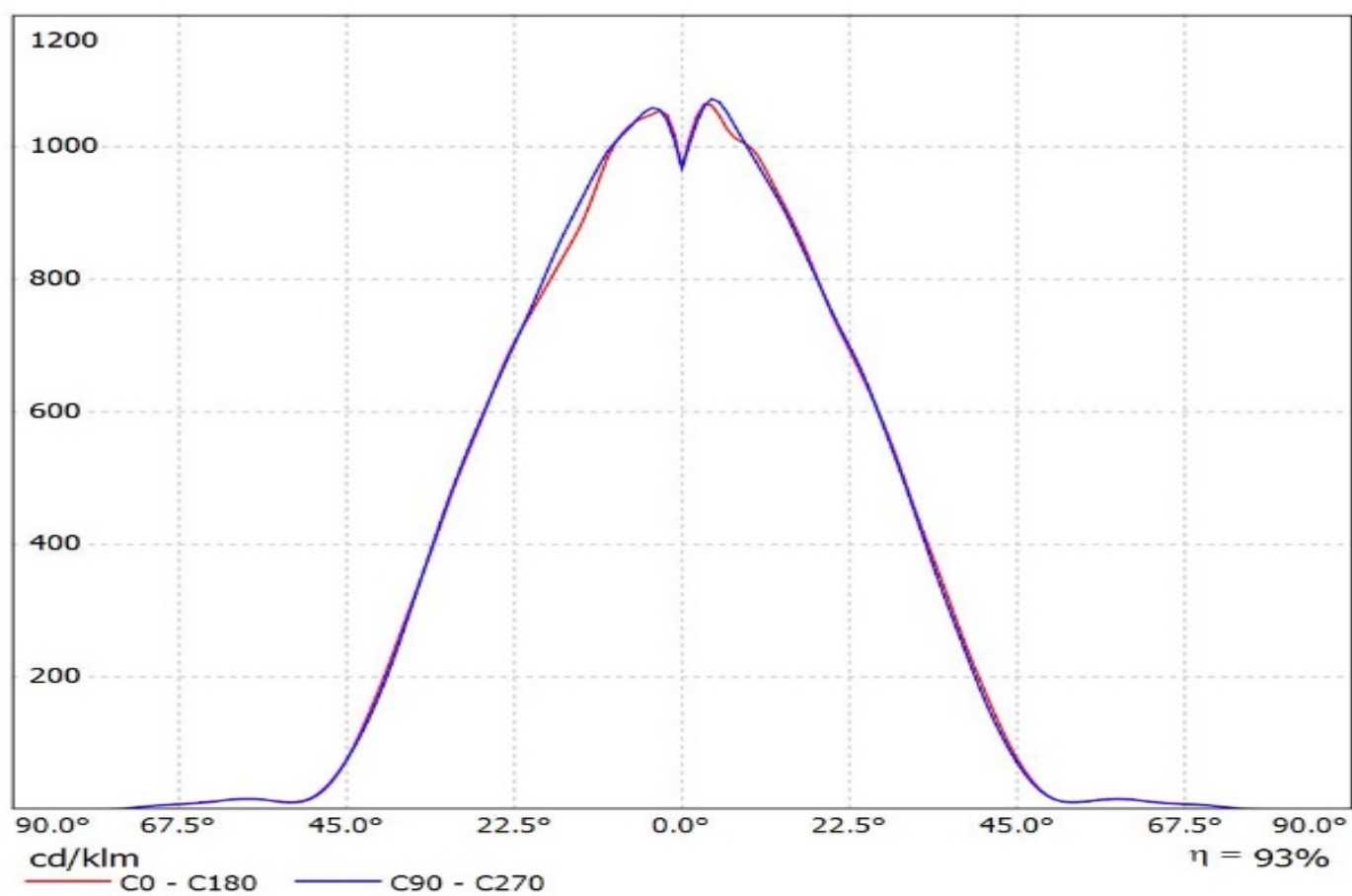
H

G

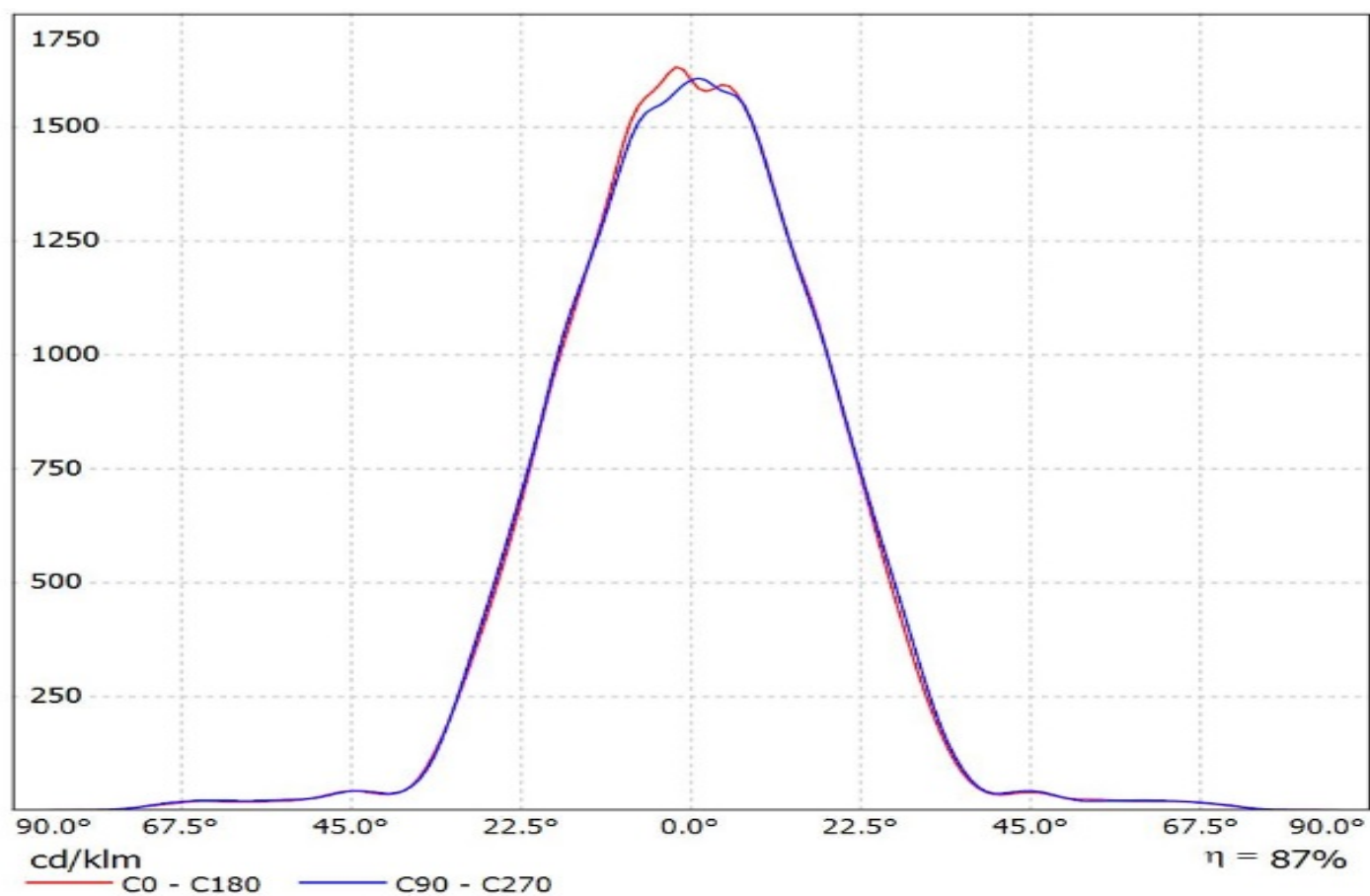
B

A

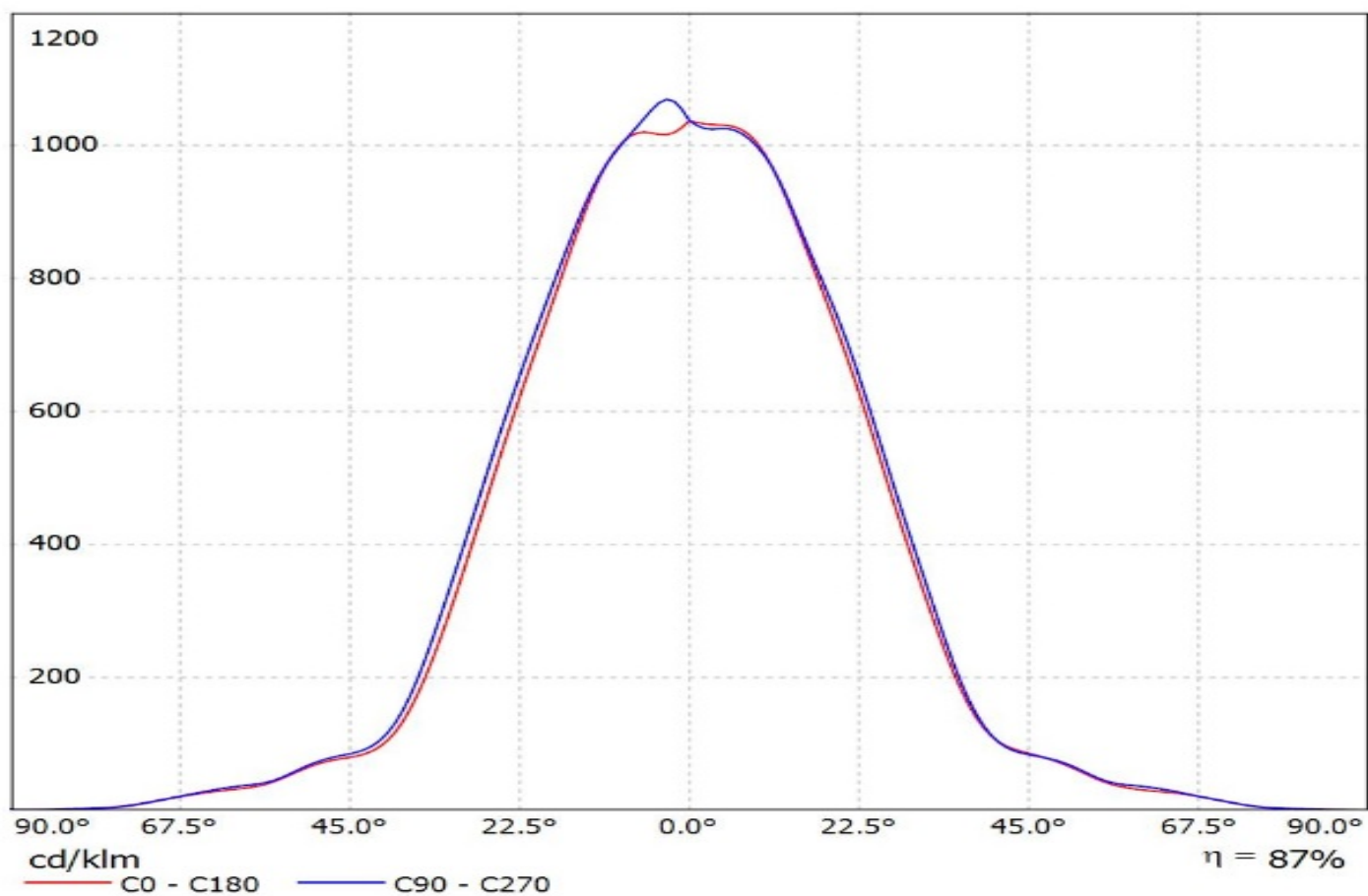
Luminaire: Ledil Oy CN13990\_SAGA-HB-IP-WHT\_(Soleriq\_S9)\_SIMULATED  
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



Luminaire: Ledil Oy CN13990\_SAGA-HB-IP-WHT\_(LC020C)\_(B+W\_479\_Typ\_L6)\_SIMULATED  
Lamps: 1 x Samsung LC020C



Luminaire: Ledil Oy CN13990\_SAGA-HB-IP-WHT\_(LC040C)\_(B+W\_480\_Typ\_L6)\_SIMULATED  
Lamps: 1 x Samsung LC040C

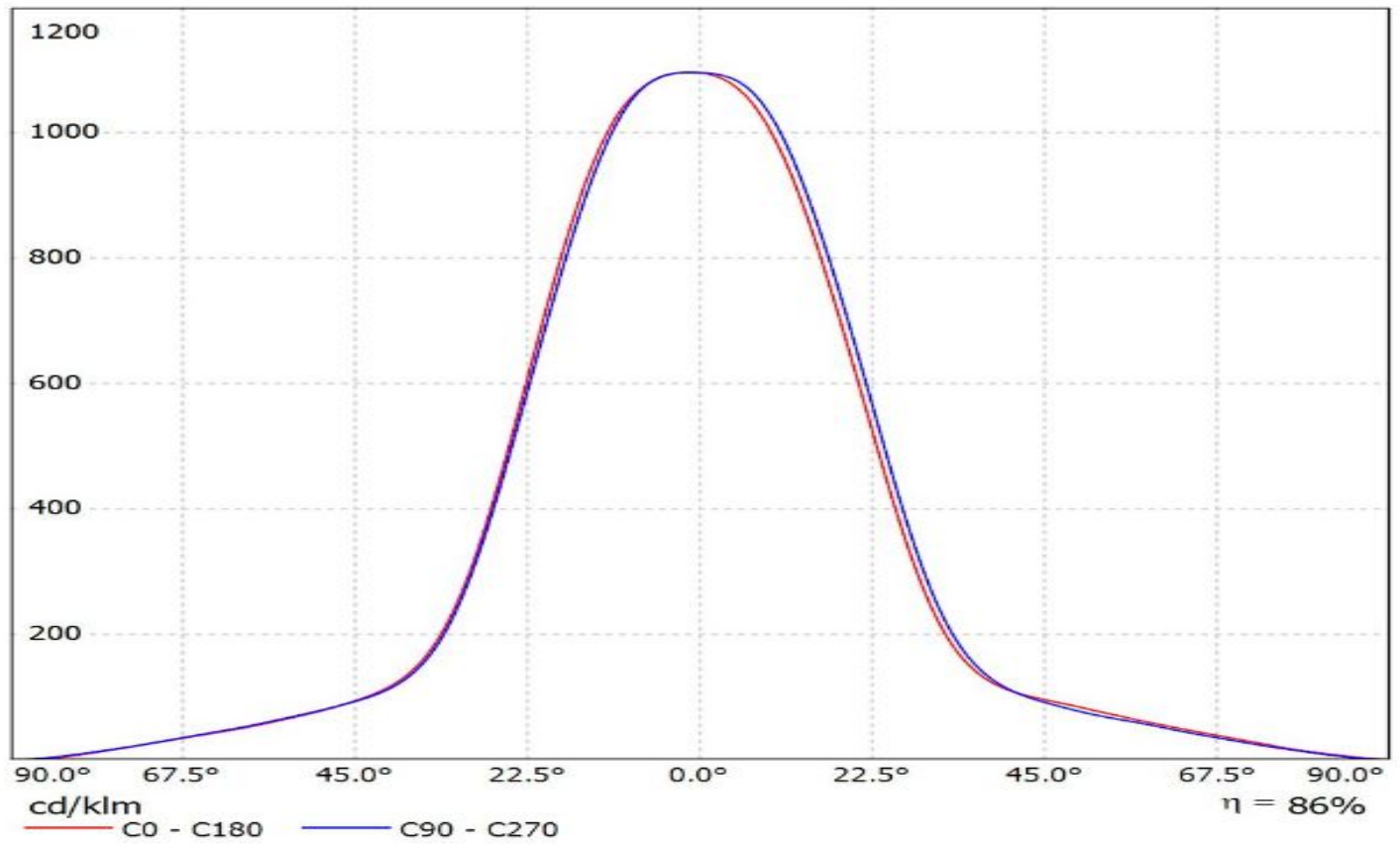




## Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU700) / LDC (Linear)

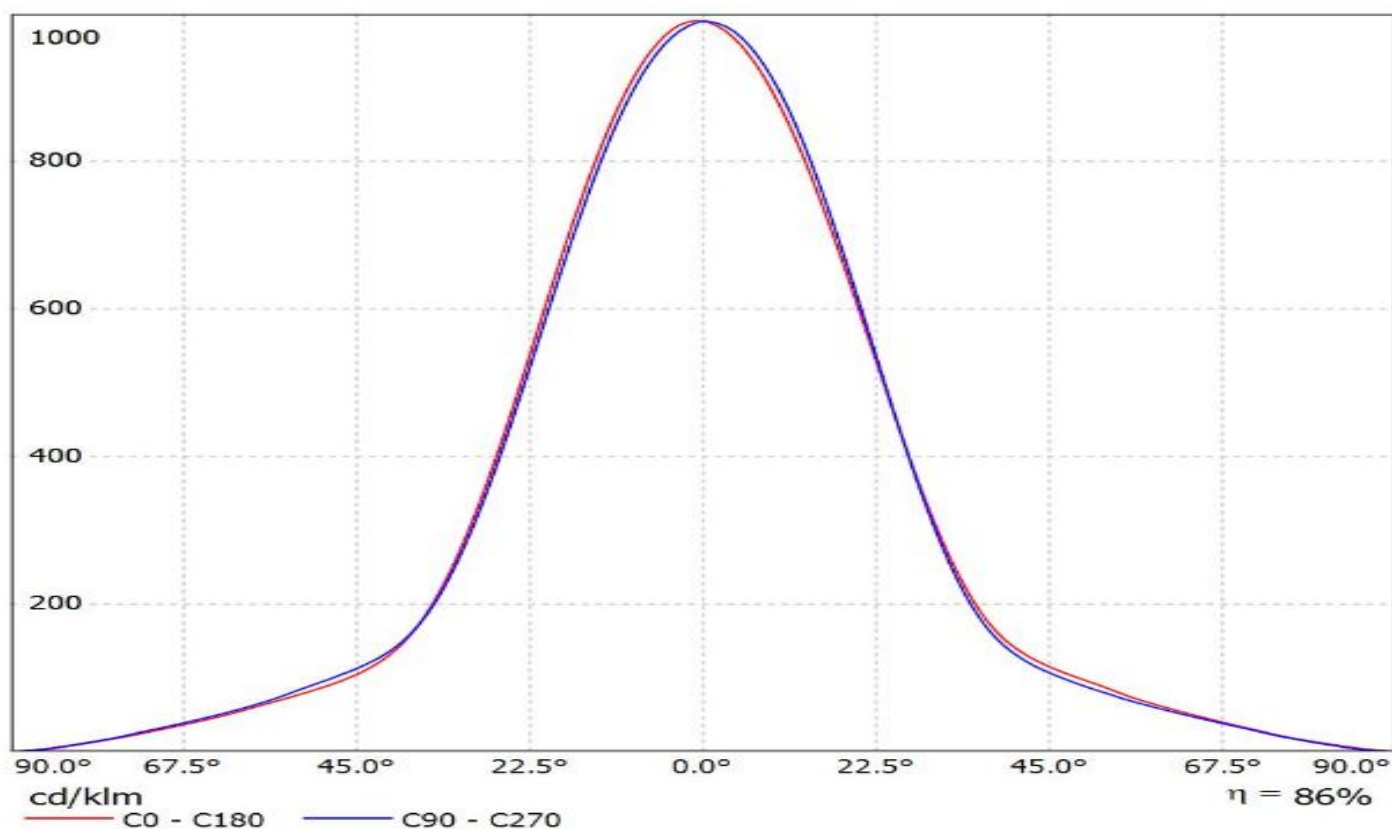
Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU700)

Lamps: 1 x Citizen\_CLU700\_(CLU700-1002B8-273M2G1)\_392.46lm@100mA\_P=2.8255W\_I=0.1A



## Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU024) / LDC (Linear)

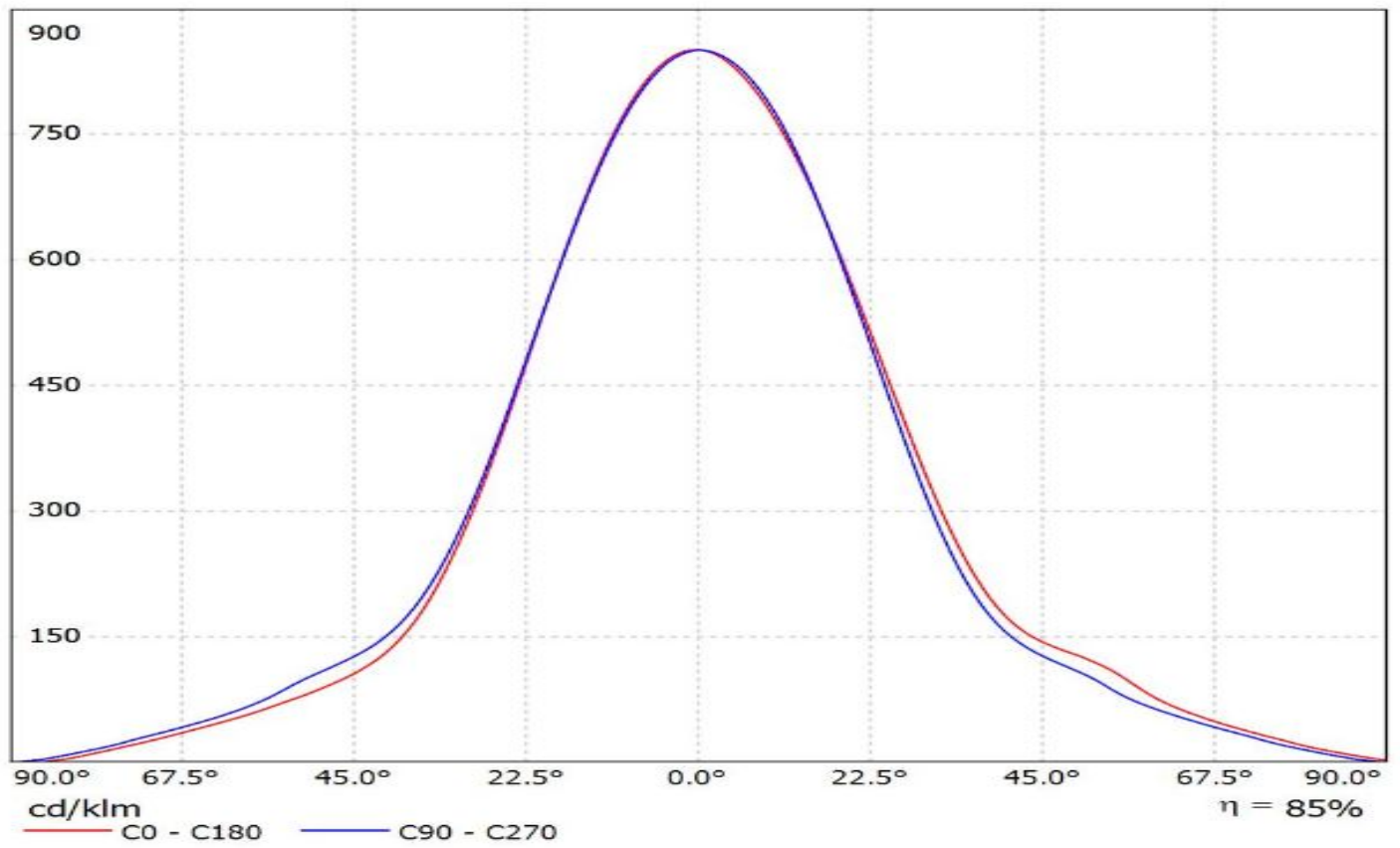
Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU024)  
Lamps: 1 x Citizen\_CLU024\_(CLU024-1204B8-303M1A2)  
\_1071.67lm@250mA\_CCT=3000K\_P=8.56W\_I=0.25A



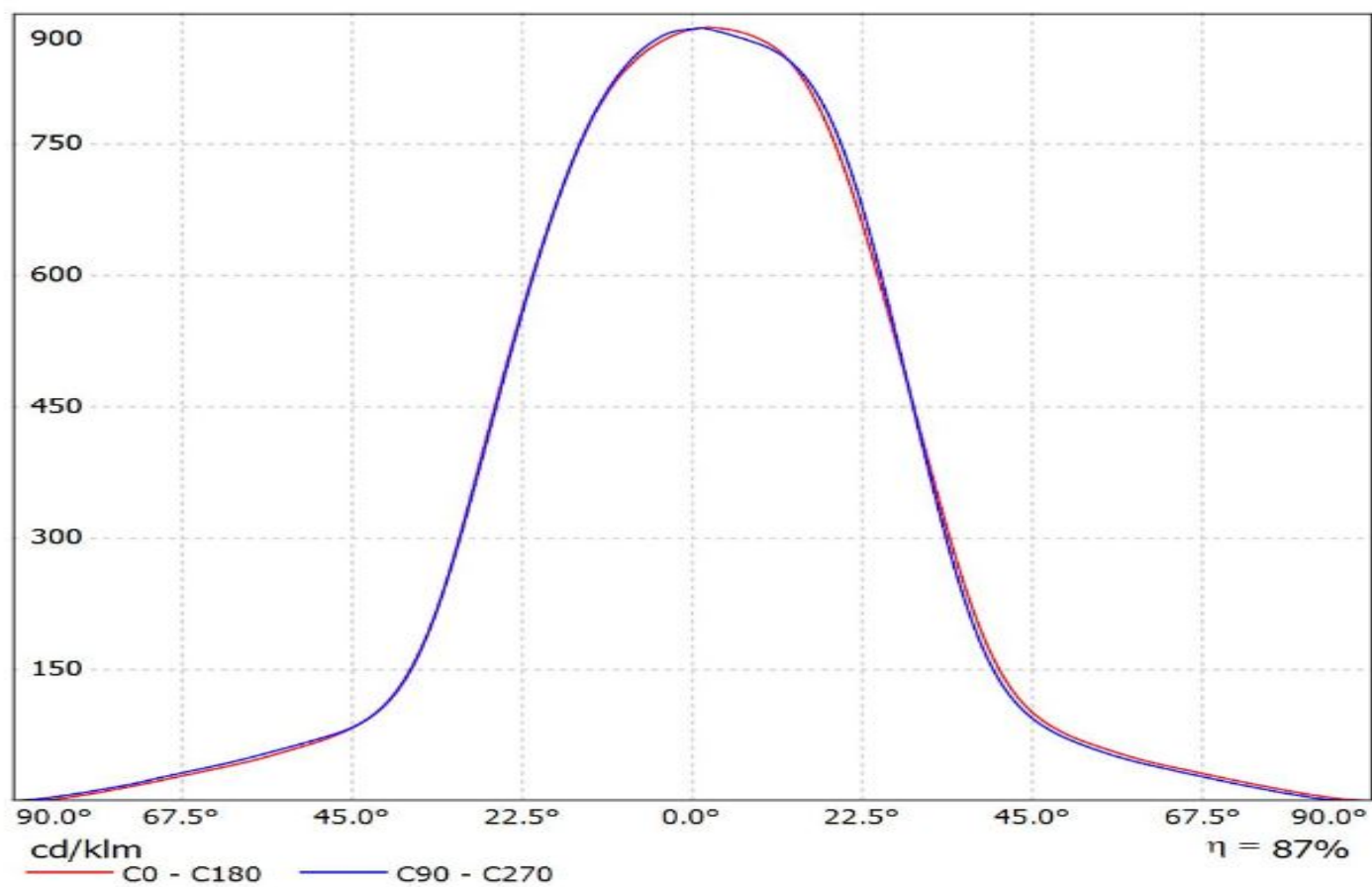
## Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU720) / LDC (Linear)

Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU720)

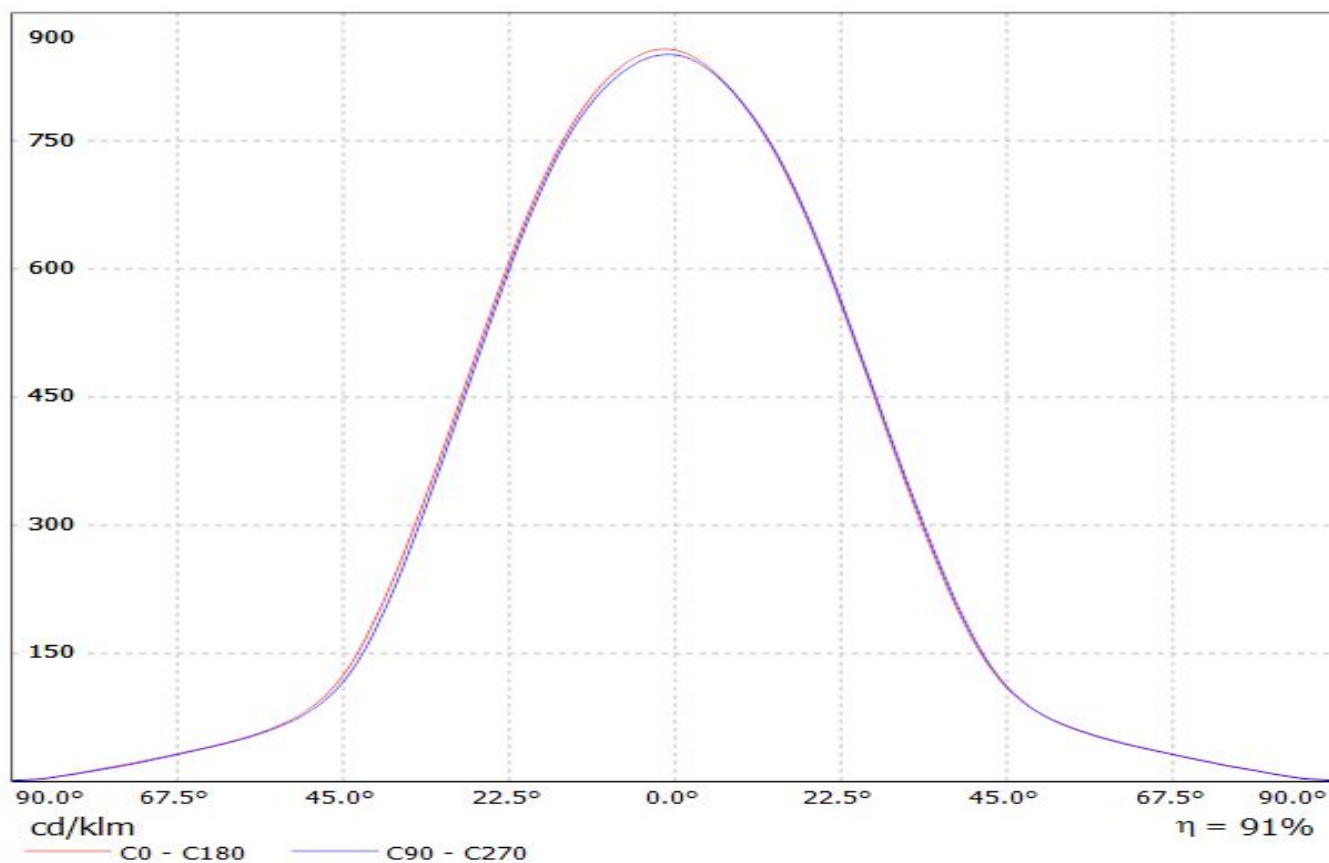
Lamps: 1 x Citizen\_CLU720\_(CLU720-1206B8-273M2G1)\_1253.68lm@250mA\_P=8.3W\_I=0.25A



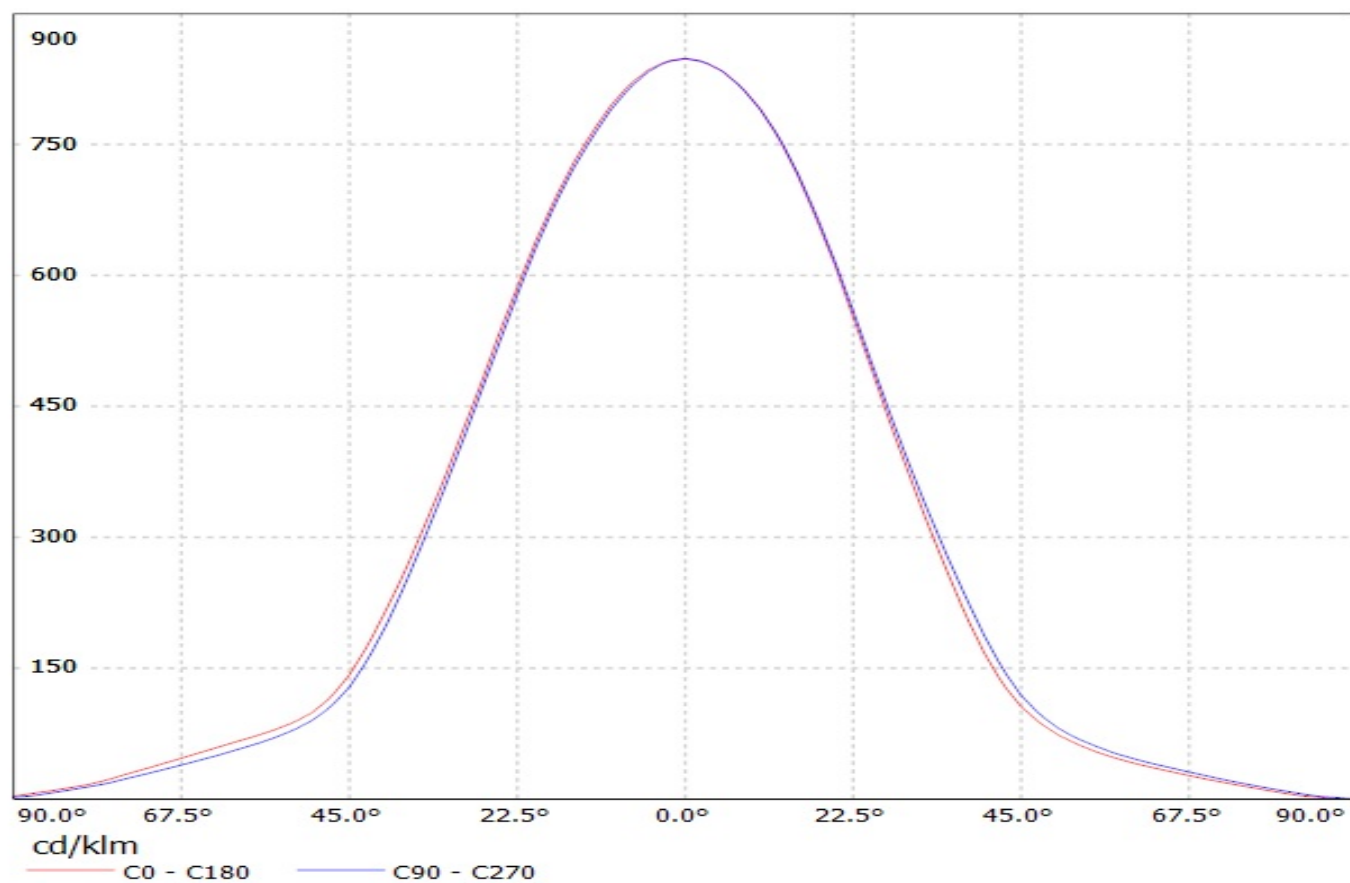
Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU700)  
Lamps: 1 x Citizen\_CLU700\_394.637lm@100mA\_P=2.8W\_I=0.10A



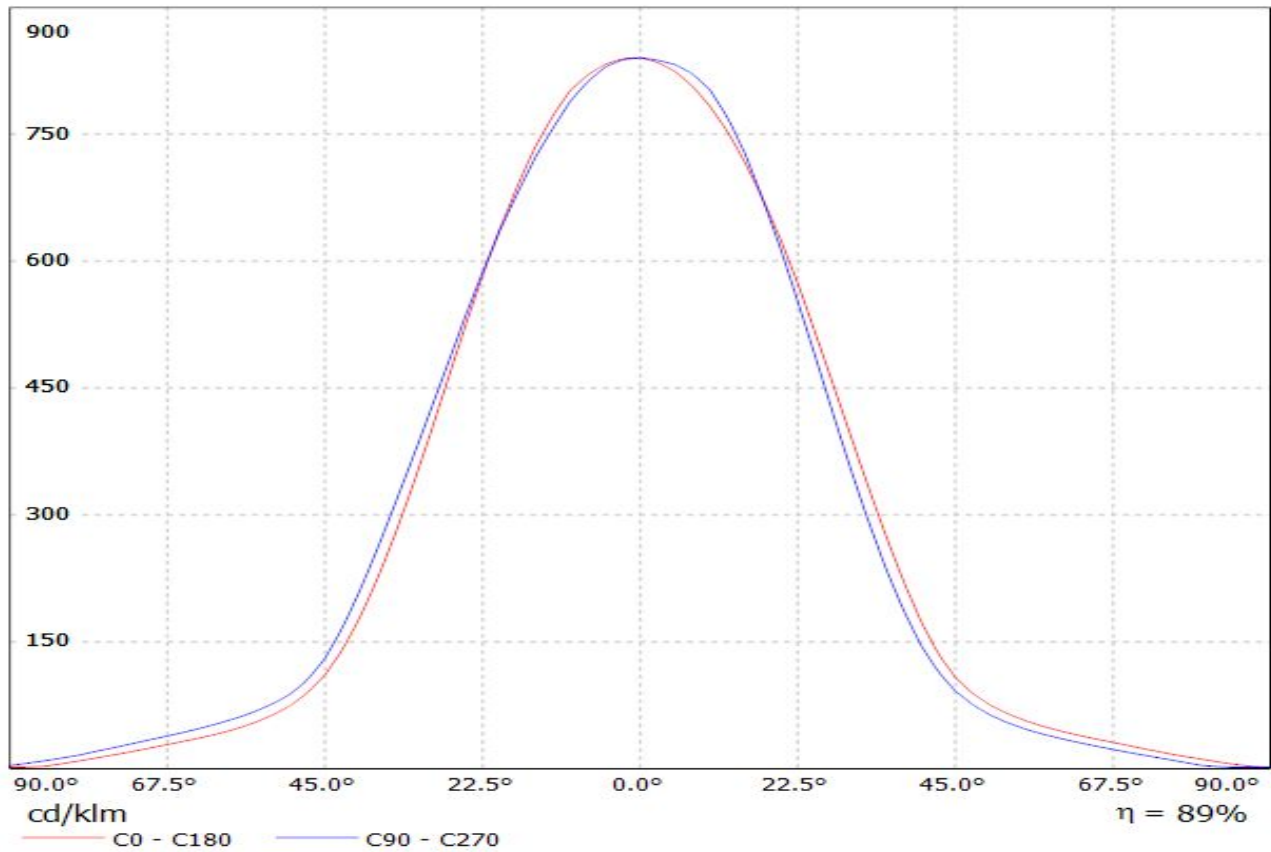
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CLL020) Eff.90.5%  
Lamps: 1 x CITIZEN\_CLL020-1203A1\_747.329lm@250mA\_P=9.28656W\_I=249.8mA



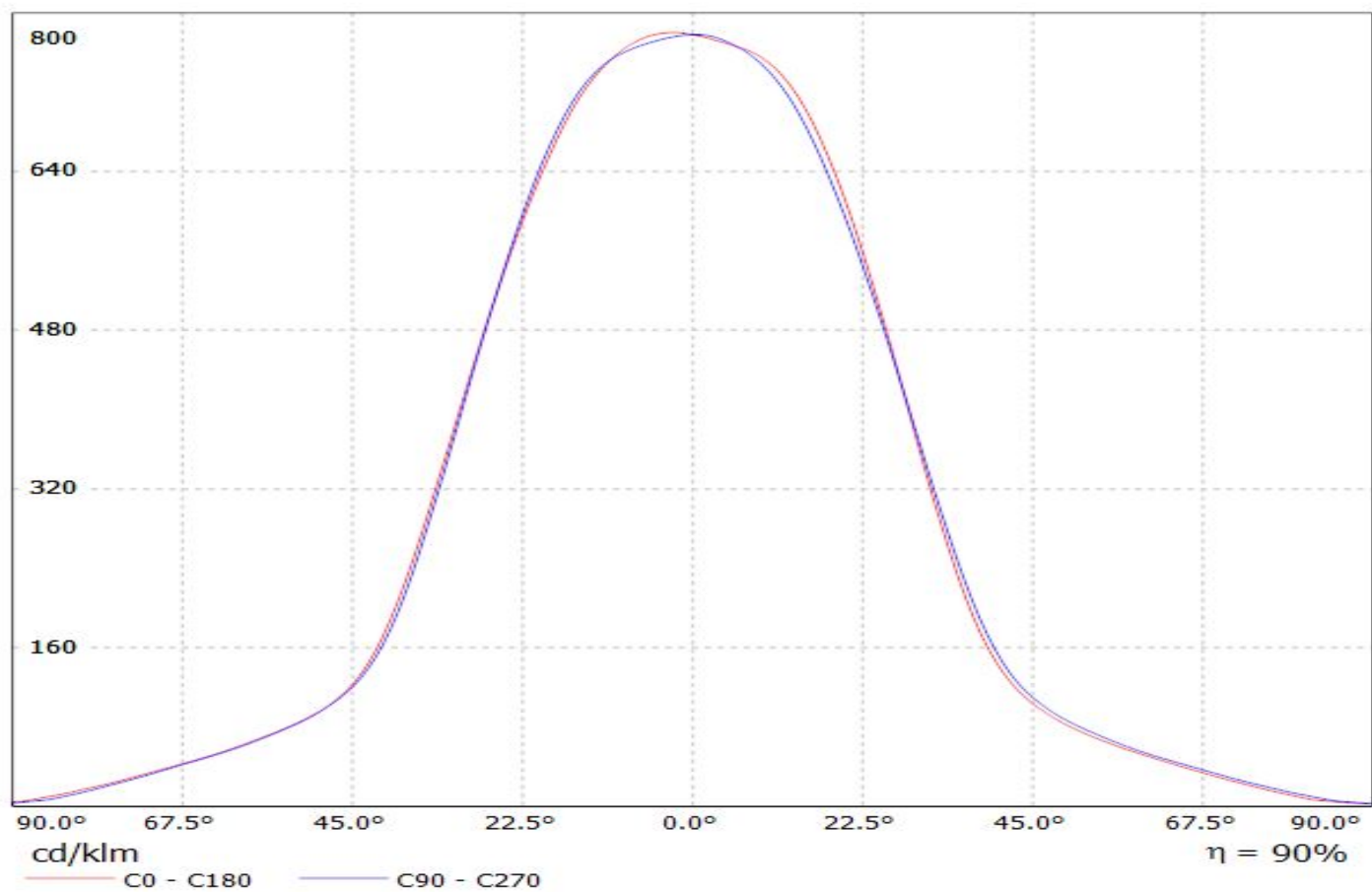
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(VERO10) Eff.92%  
Lamps: 1 x VERO10\_(BXRC-30E1000B)\_625lm@250mA\_CCT=3000K\_P=6.18827W\_I=249.9mA



Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(Soleriq\_P9)  
Lamps: 1 x Osram\_Soleriq\_P9\_(GW\_MAFJB1.EM)\_387.221lm@100mA\_CCT=4299K\_P=2.73123W\_I=100.1mA

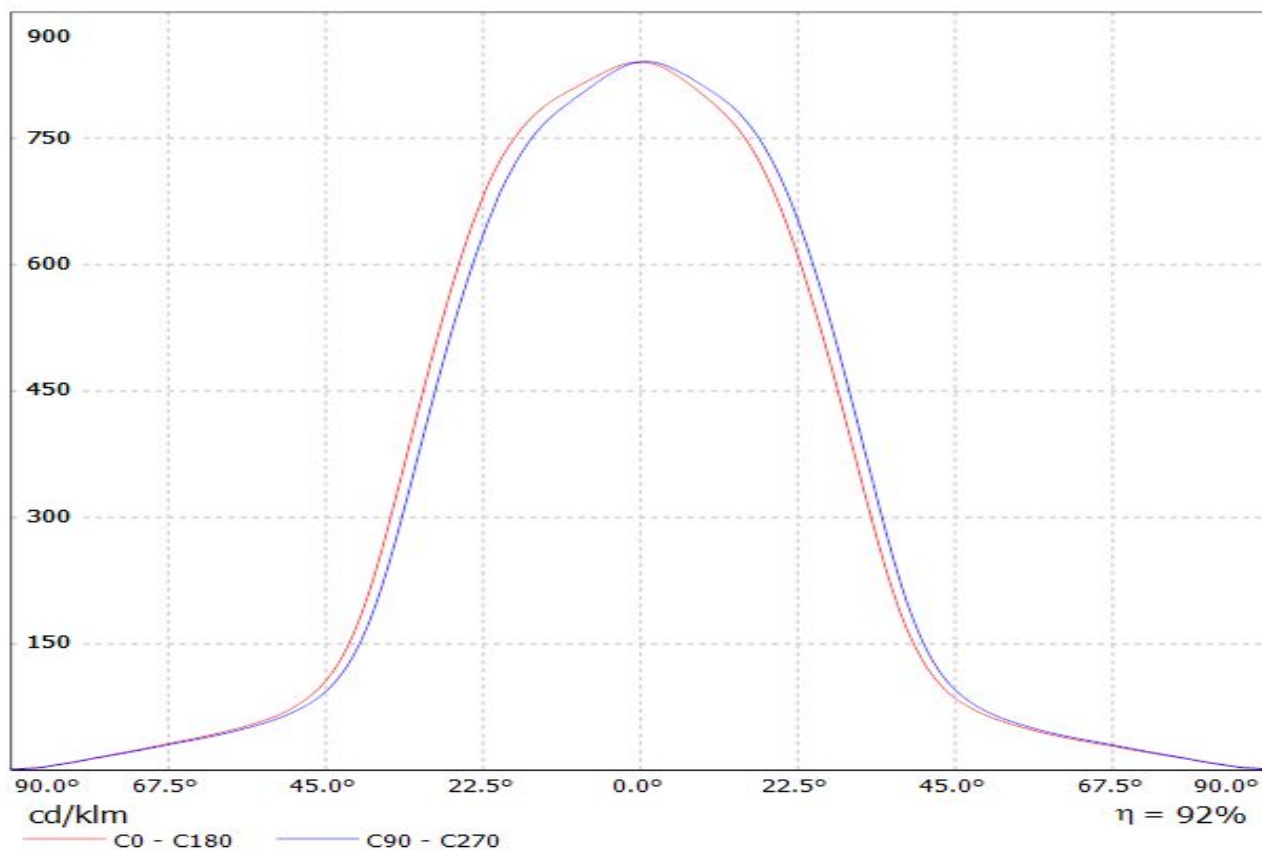


Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(MHD-G)  
Lamps: 1 x Cree MHD-G\_530.44lm@100mA\_P=3.0W\_I=0.100A

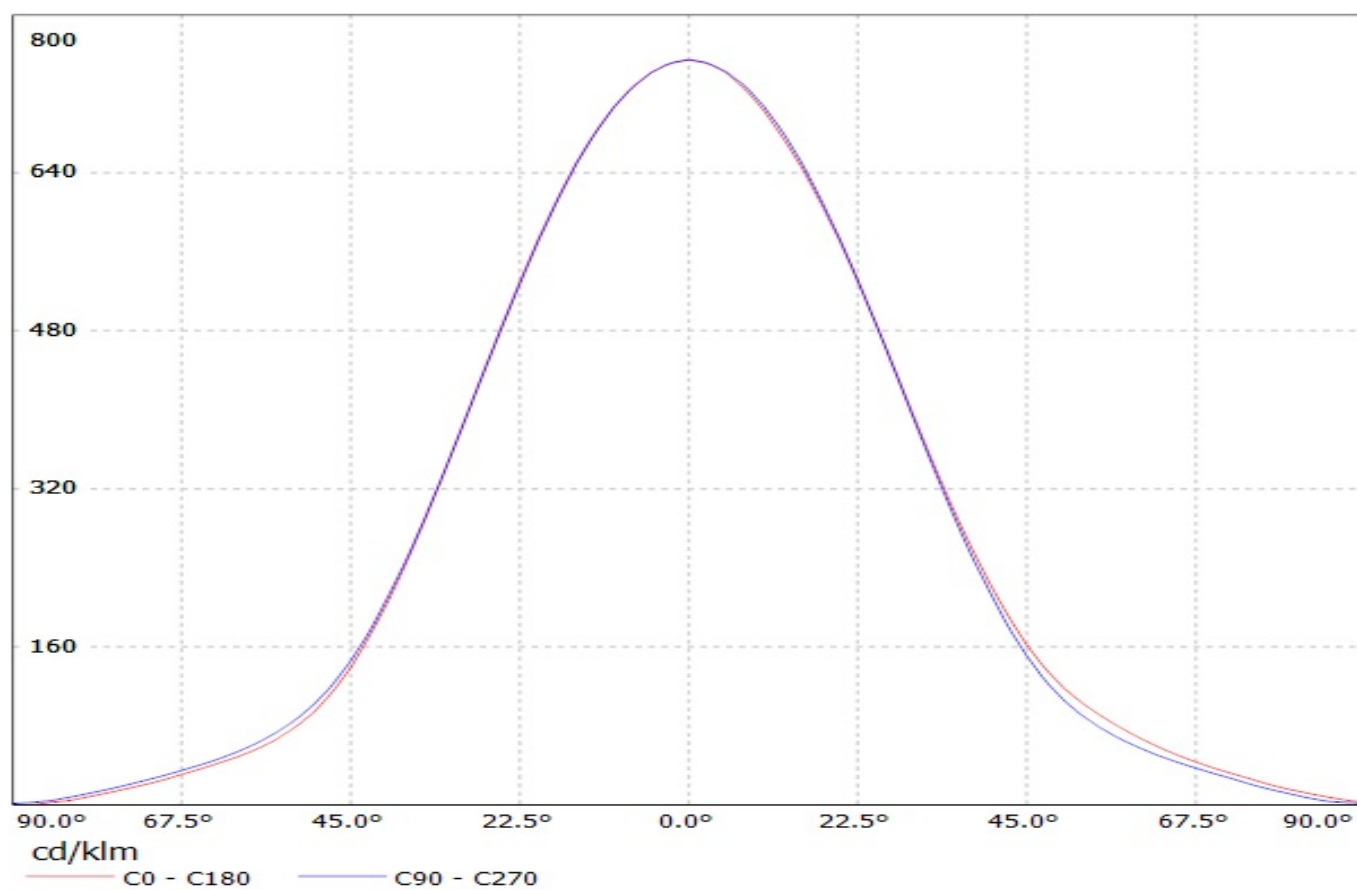




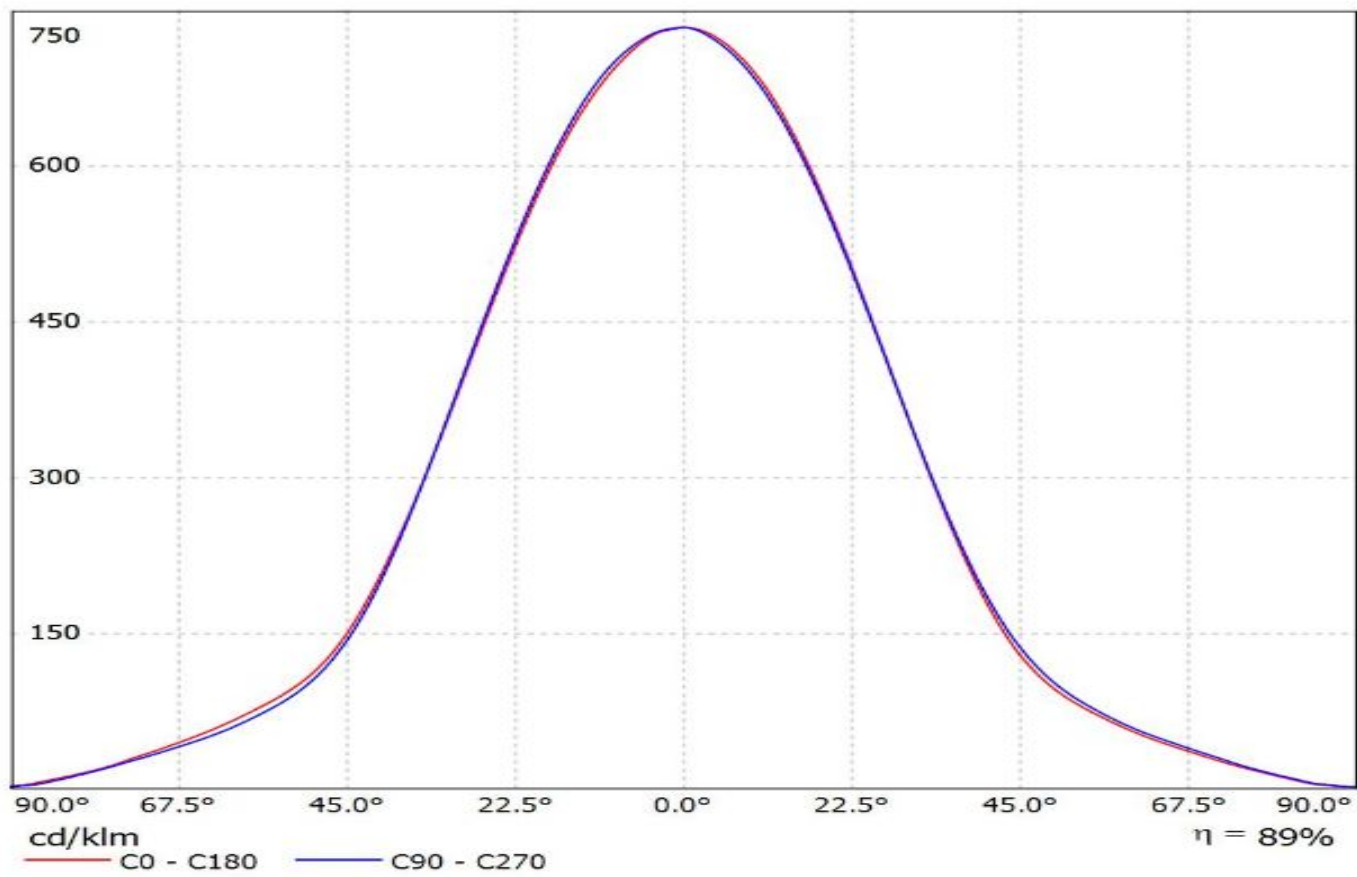
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CLL010)\_2 Eff.91.5%  
Lamps: 1 x CITIZEN\_CLL010-0305A1-303M1A2\_205.695lm@250mA\_P=2.27208W\_I=249.8mA



Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(Soleriq\_S13) Eff.91.2%  
Lamps: 1 x Osram\_Soleriq\_S13\_832.881lm@250mA\_CCT=3125K\_P=7.32389W\_I=249.8mA



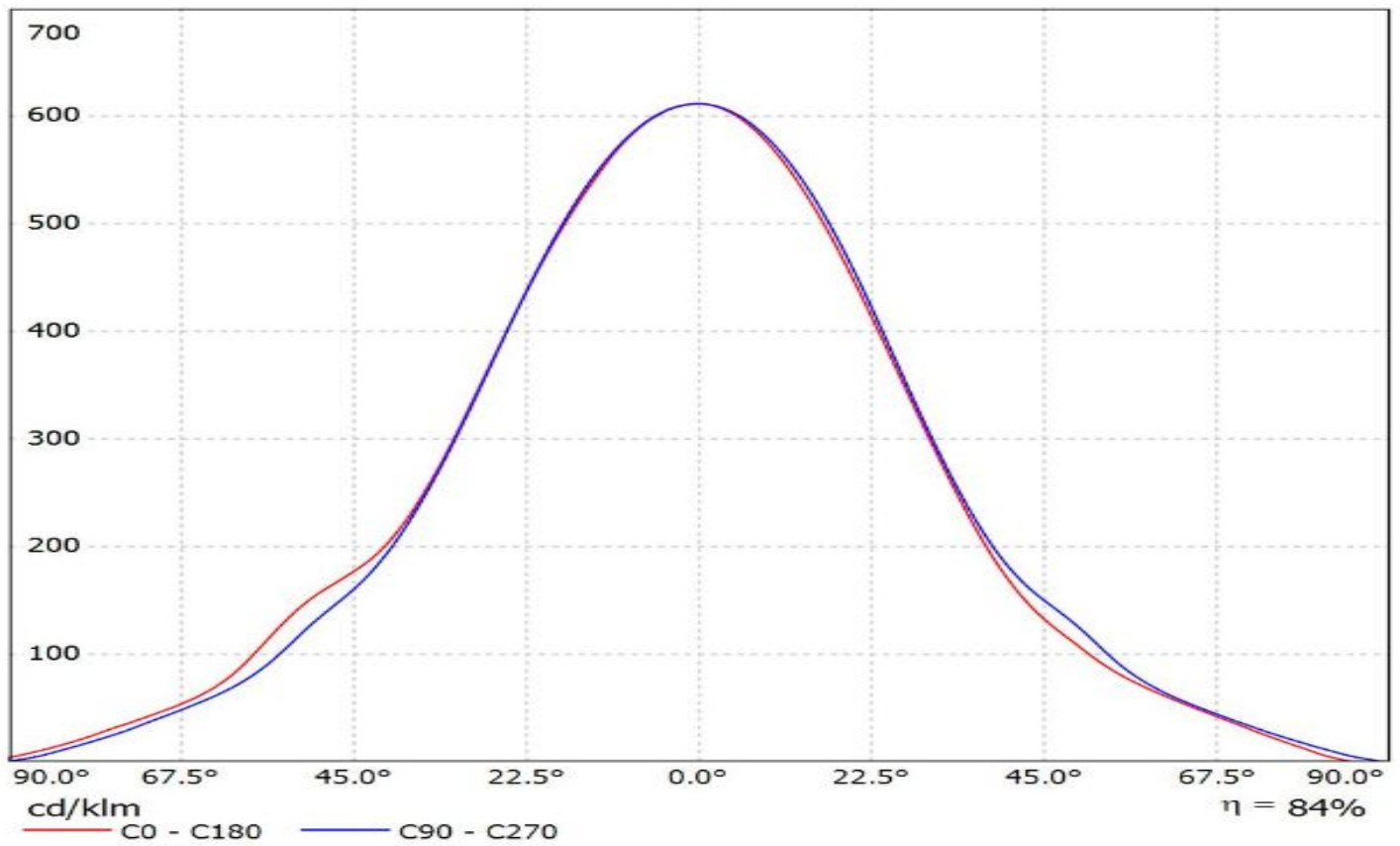
Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU720)  
Lamps: 1 x CITIZEN\_CLU720\_(CLU720-1206B8-273M2)  
\_1298.17lm@250mA\_CCT=2700K\_P=8.3W\_I=0.25A



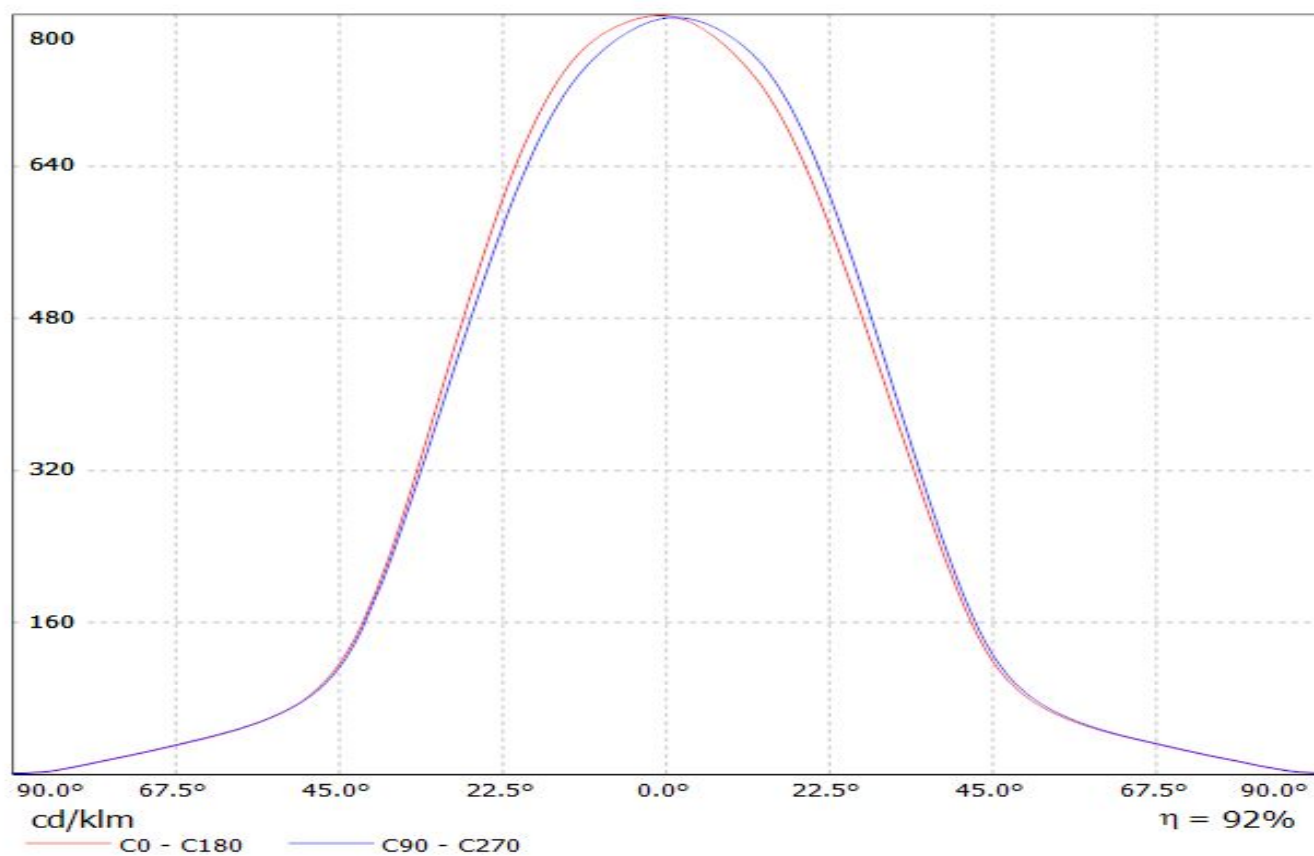
## Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU034) / LDC (Linear)

Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU034)

Lamps: 1 x Citizen\_CLU034\_(CLU034-1205B8-303M1A2)\_1190.41lm@250mA\_P=8.5W\_I=0.25A



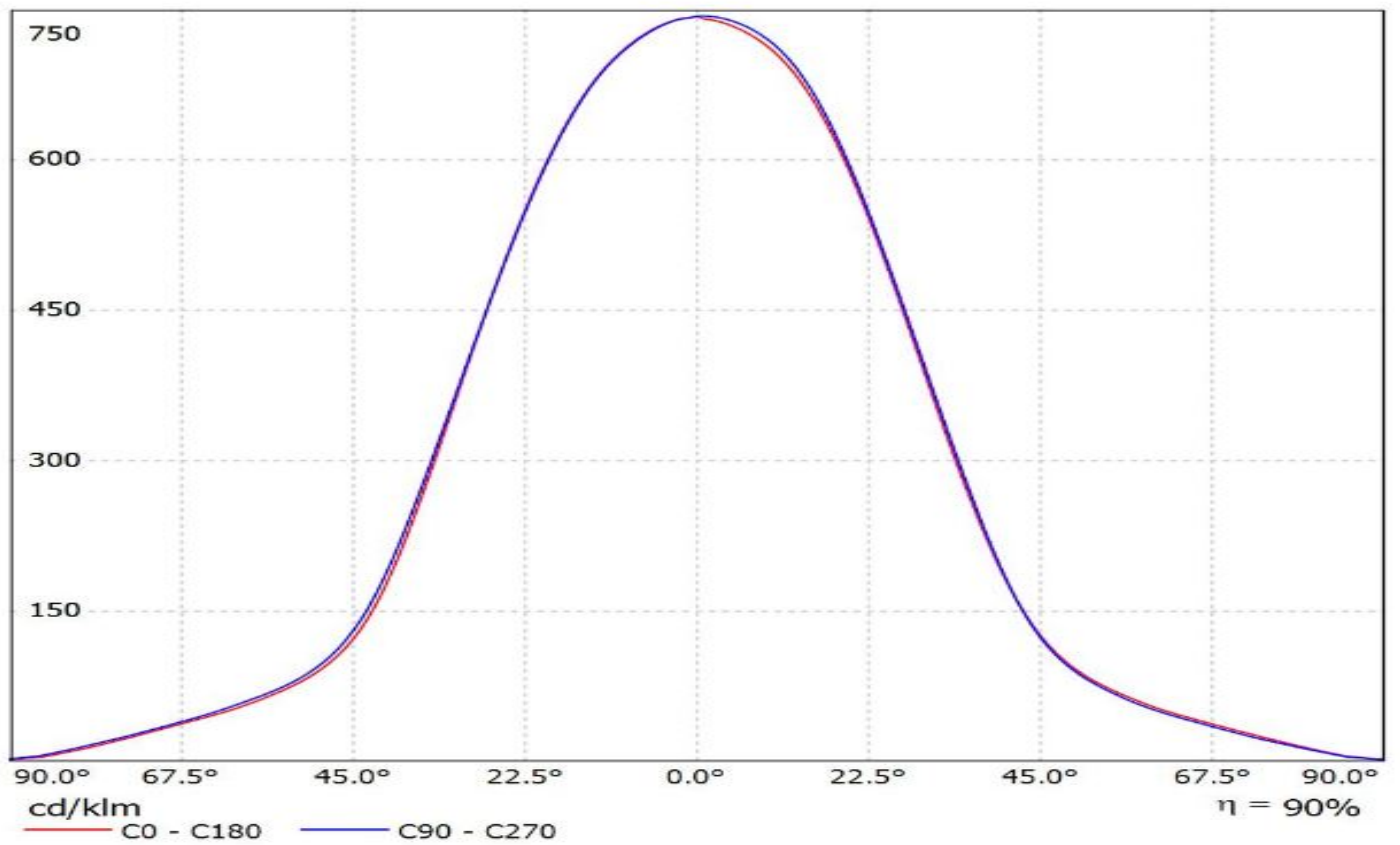
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(MINIZENIGATA) Eff.91.8%  
Lamps: 1 x MINIZENIGATA\_(6W6BR30HGD)\_792.234lm@250mA\_P=8.65382W\_I=249.8mA



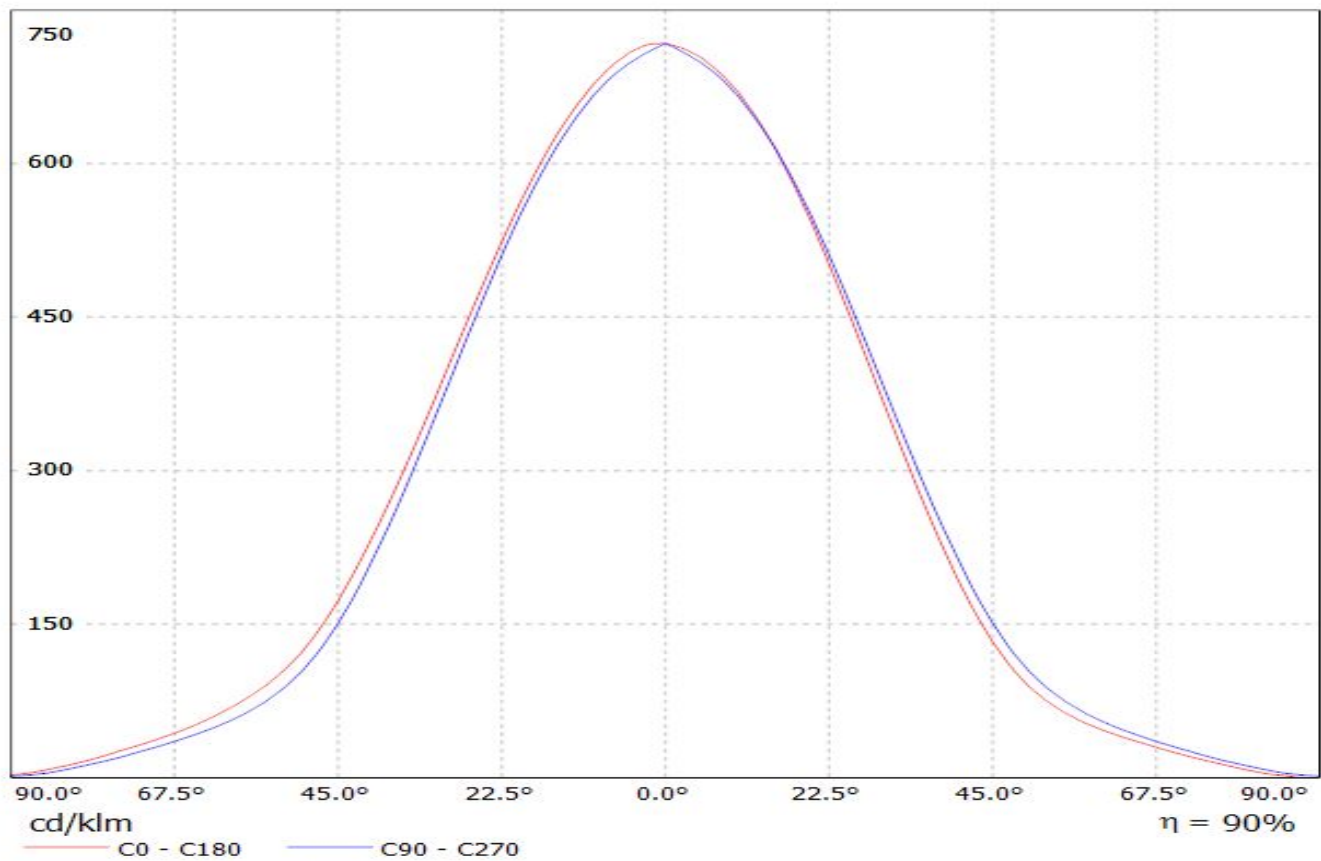
## **Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU710) / LDC (Linear)**

Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU710)

Lamps: 1 x CITIZEN\_CLU710\_(CLU710-1204B8-273M2G1)\_1210.56lm@250mA\_P=8.5W\_I=0.25A

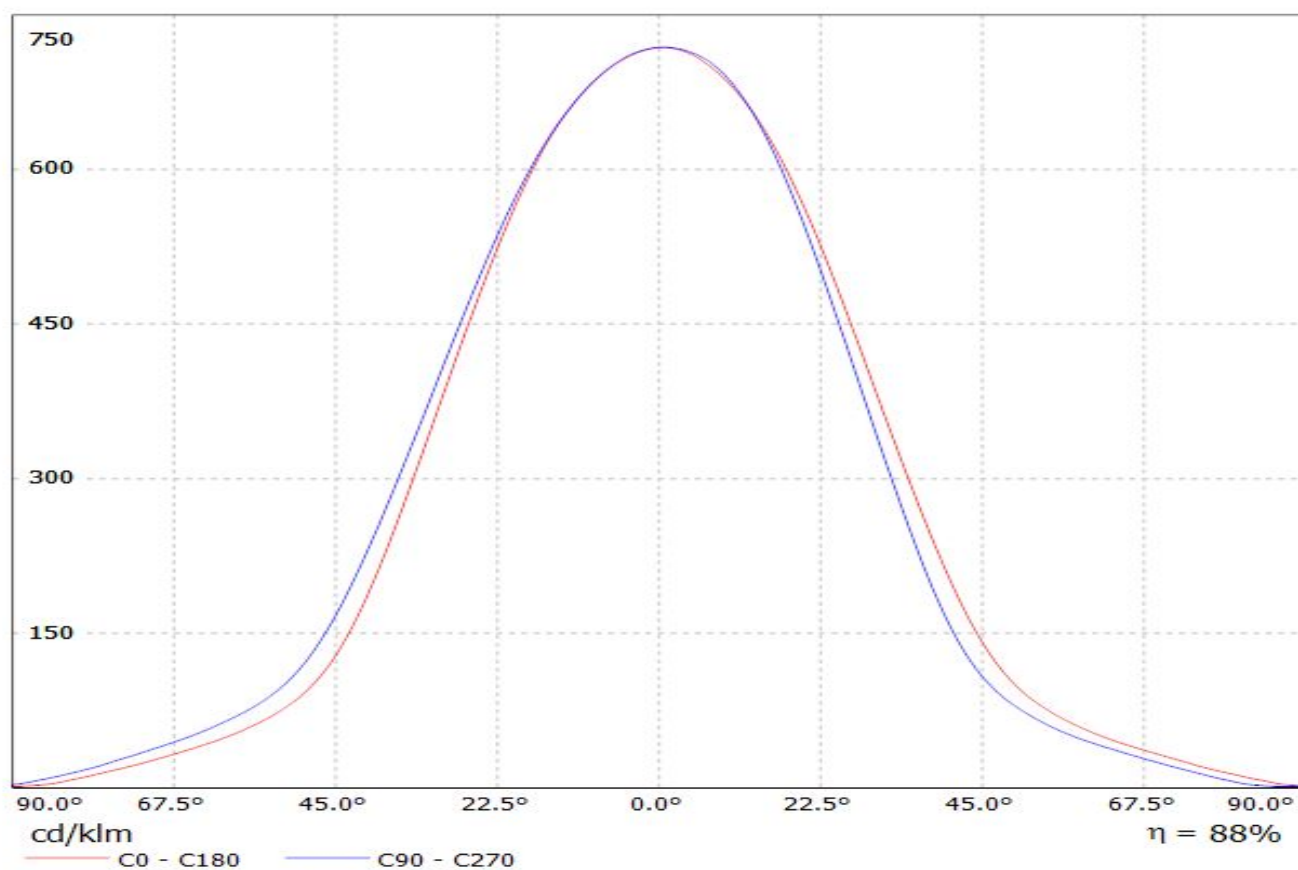


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CXA1816) Eff. 90%  
Lamps: 1 x Cree\_CXA1816\_1049.36lm@250mA\_P=8.6161W\_I=249.8mA



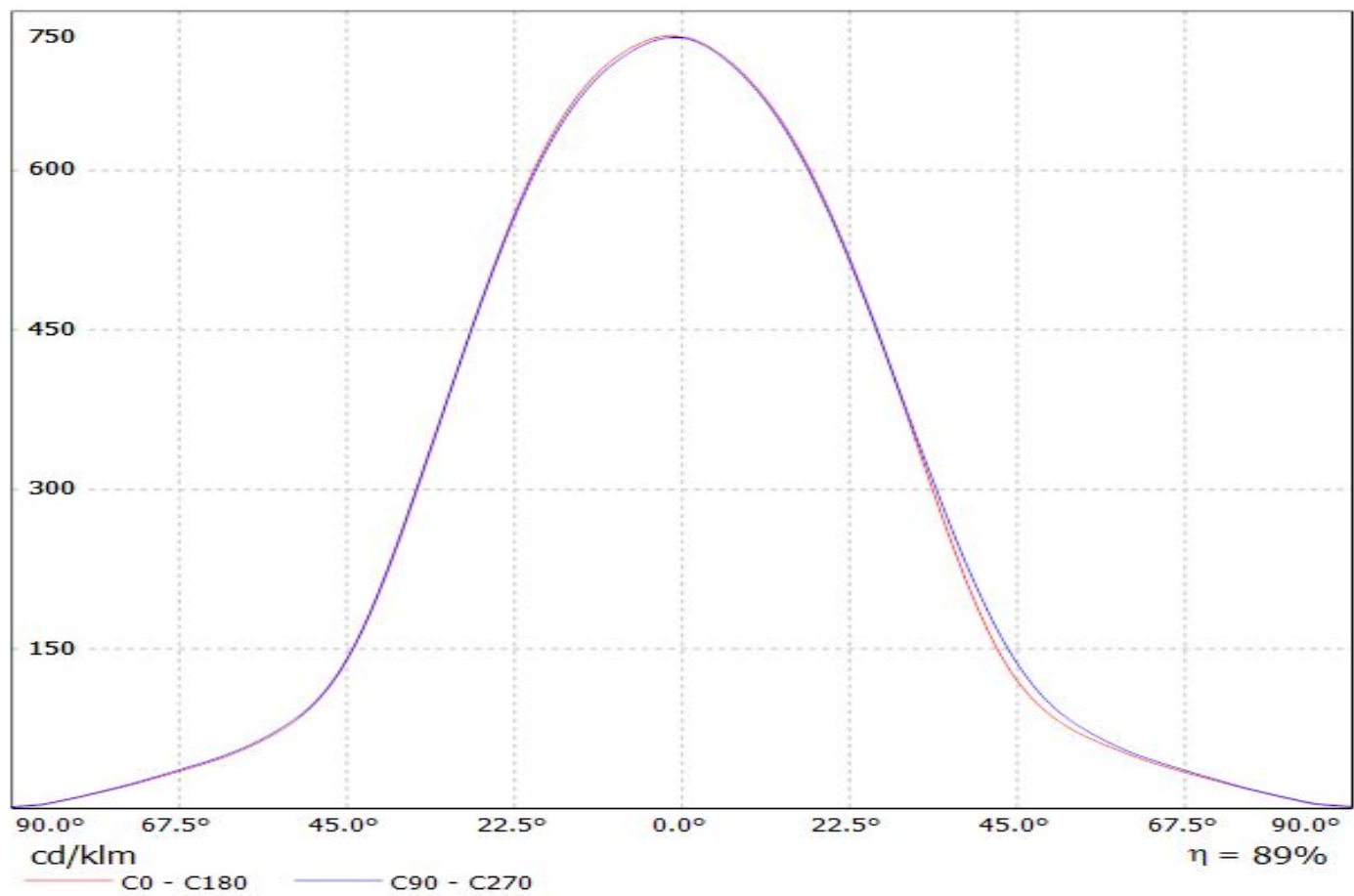
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT

Lamps: 1 x Luminus\_XNOVA\_CXM-9\_(AA00)\_945.175lm@240mA\_P=8.21232W\_I=240mA

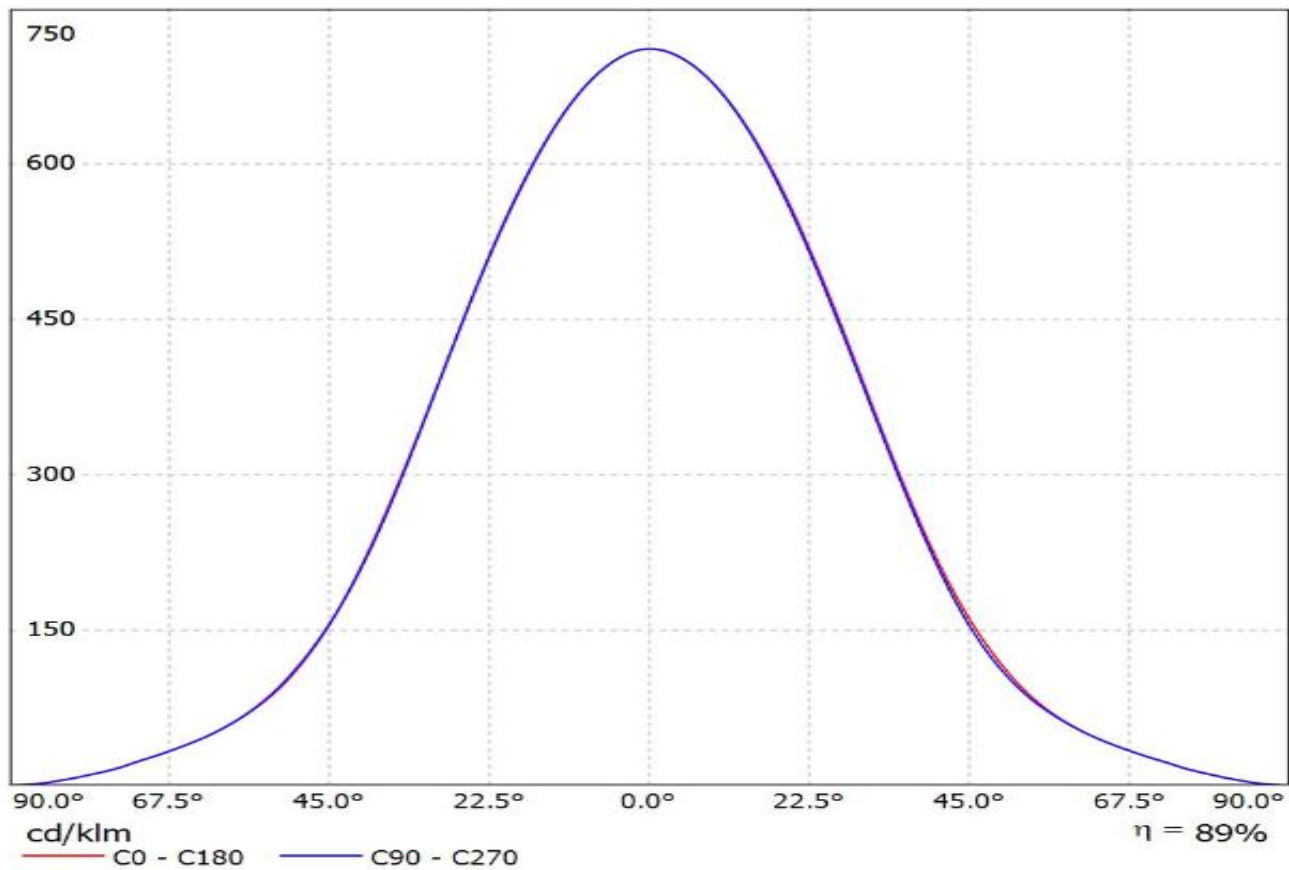




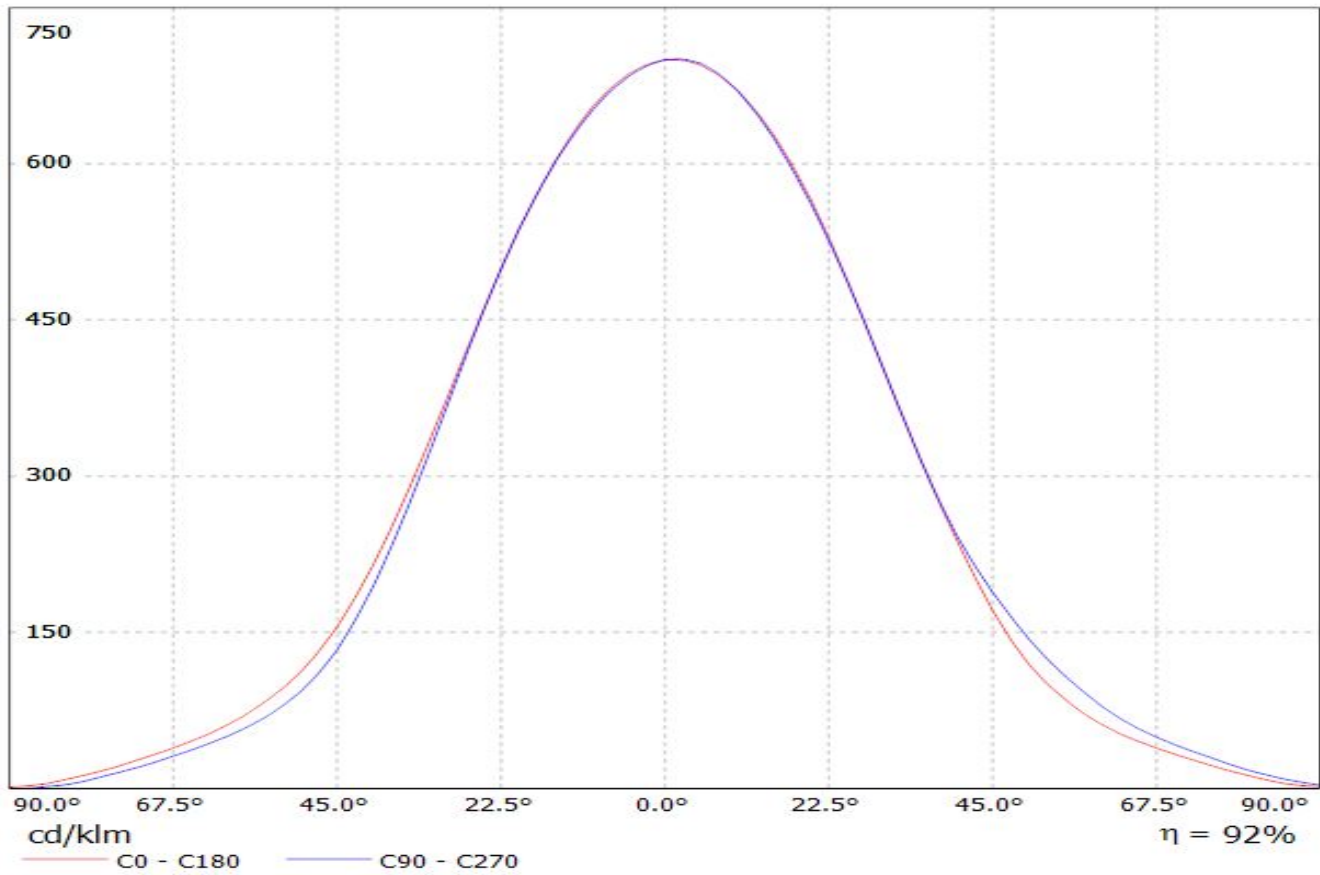
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(LUXEON\_COB-1203)  
Lamps: 1 x LUXEON\_COB-1203\_(LHC1-3080-1203)\_988.777lm@250mA\_CCT=3000K\_P=8.6W\_I=0.25A



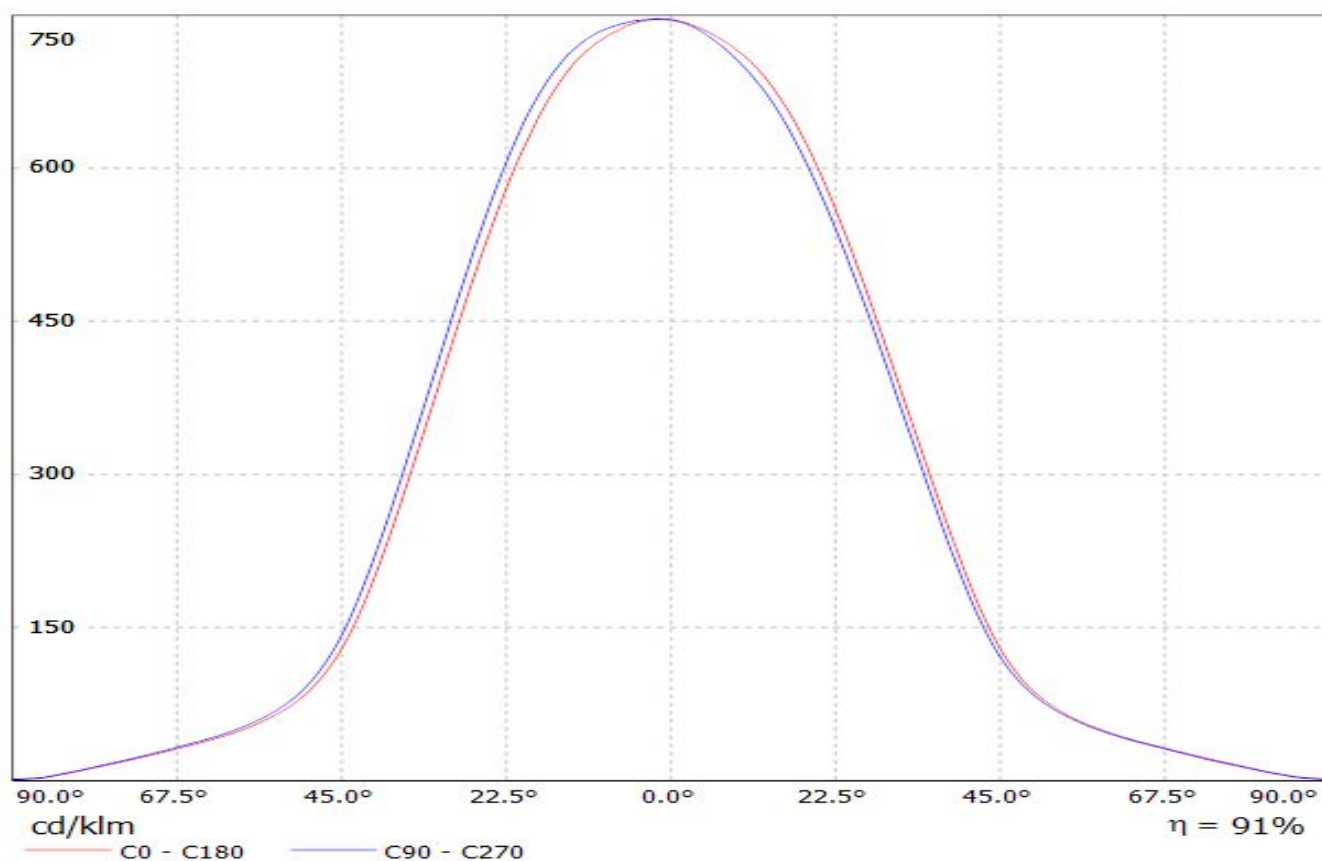
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(SLE-G5\_LES-15)  
Lamps: 1 x Tridonic\_SLE-G5\_LES-15\_1280.24lm@250mA\_P=8.6273W\_I=0.250A



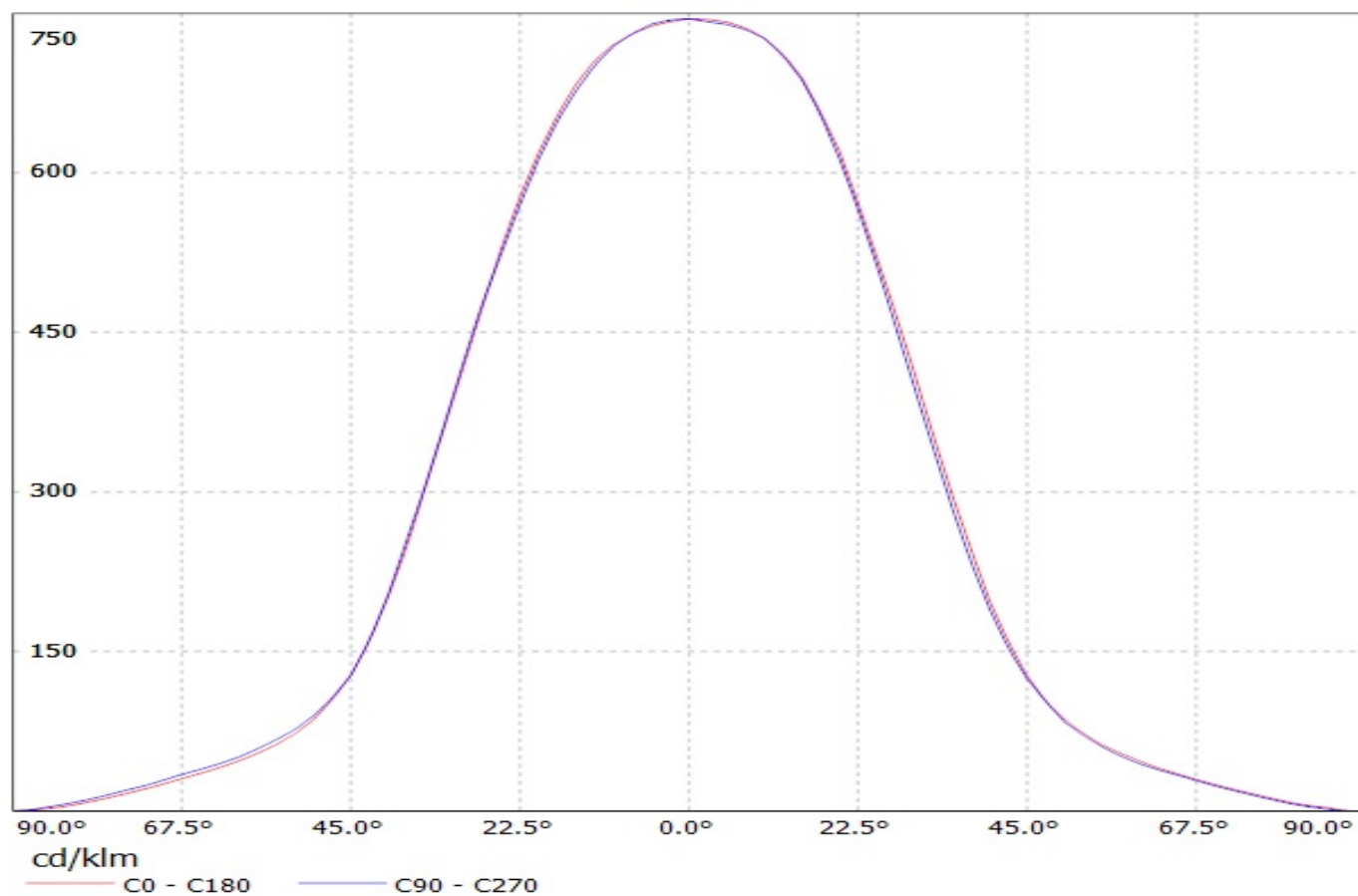
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CLL030-1206A1) Eff.92.0%  
Lamps: 1 x CLL030-1206A1\_(303M1A2)\_802.683lm@250mA\_P=8.76248W\_I=249.8mA



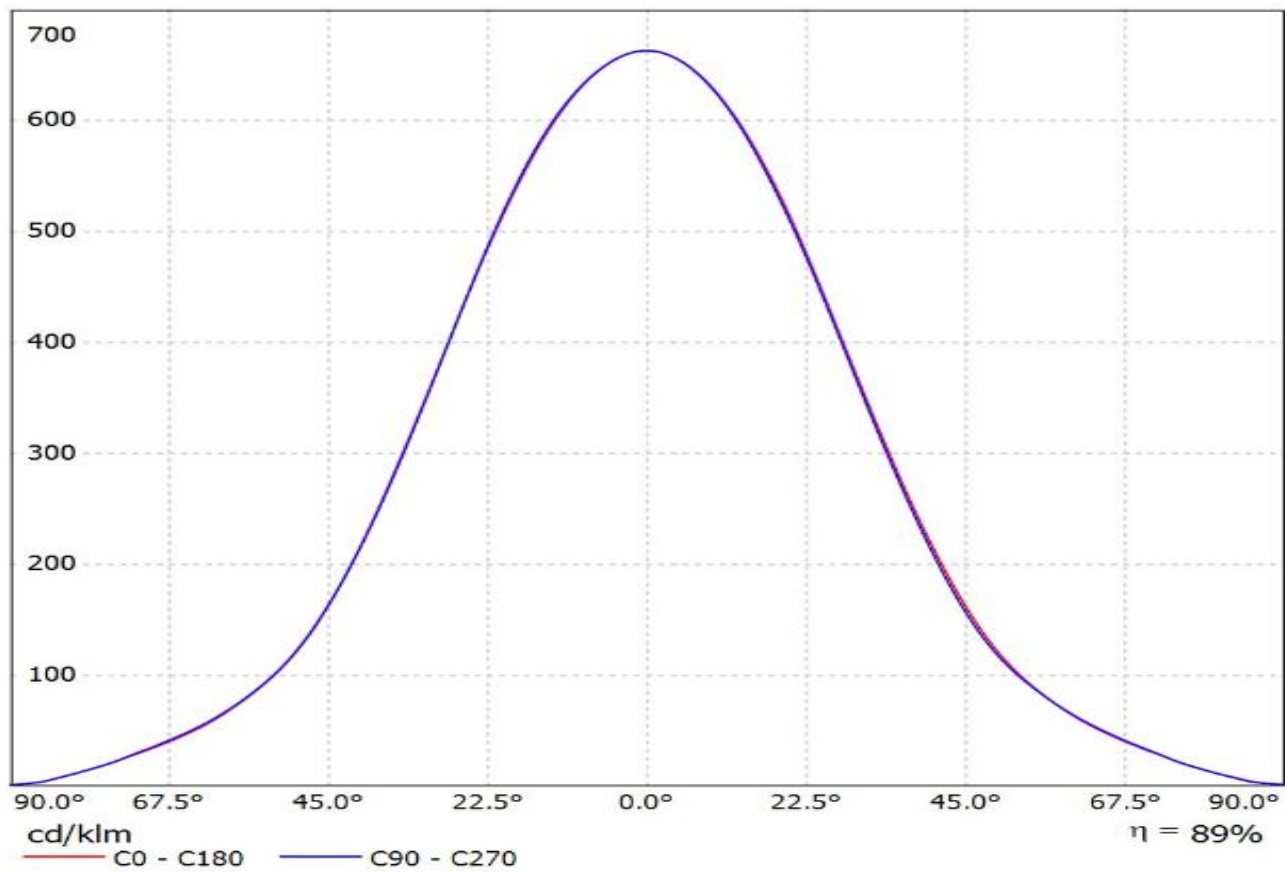
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CXA1507) Eff.91.5%  
Lamps: 1 x Cree\_CXA1507\_(CXA1507-30F-F2-N0A-0000) 219.37lm@50mA P=1.68662W I=50.2mA



Luminaire: LEDil Oy CN13990\_SAGA-HB-IP-WHT\_(CXM-7) Efficiency=89%  
Lamps: 1 x Luminus XNOVA CXM-7 (527lm @ 160mA) CCT=2900K P=5.6W I=160mA

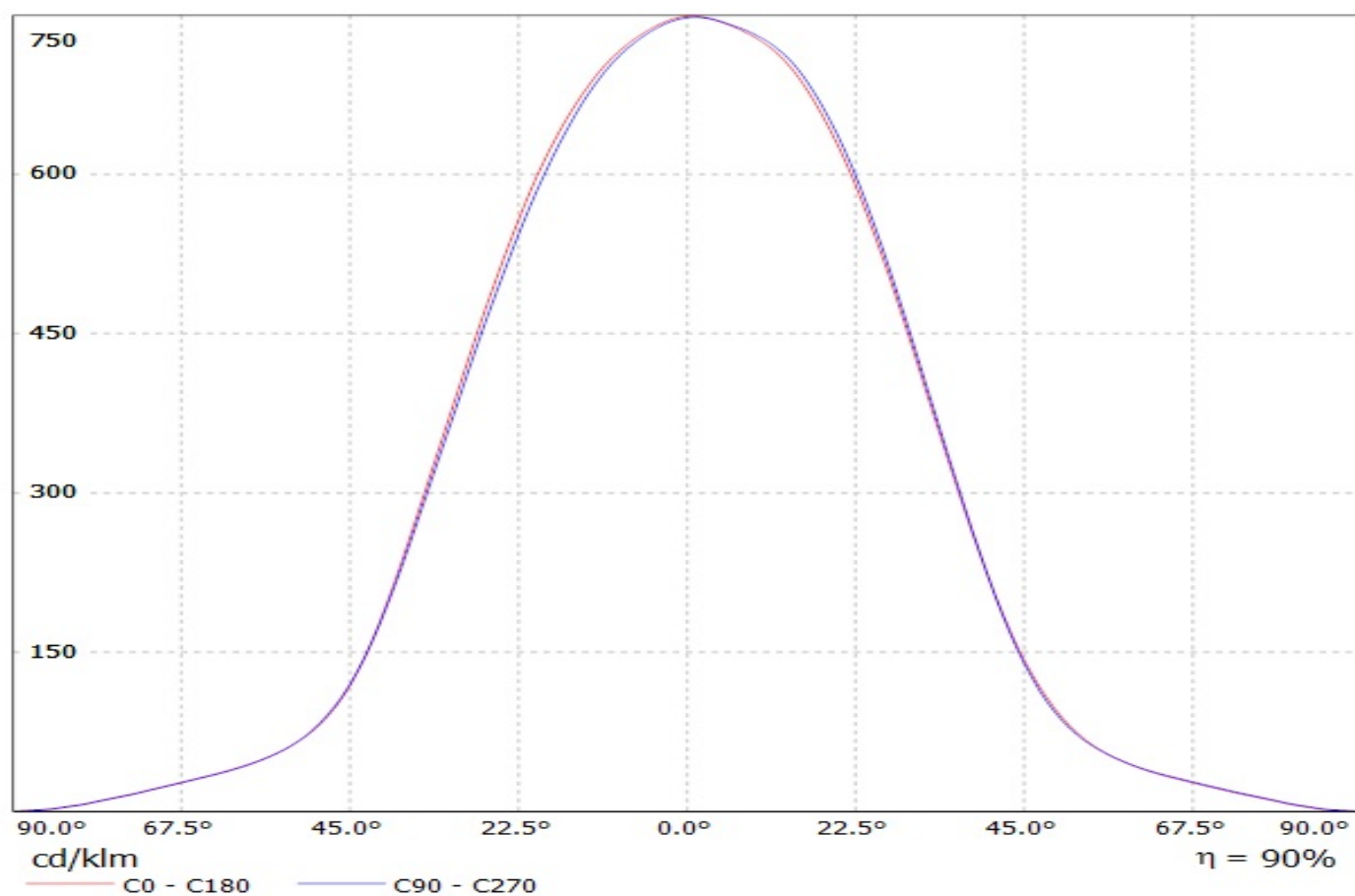


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(SOLERIQ\_P13)  
Lamps: 1 x SOLERIQ\_P13\_(GW\_MAGMB1.EM)\_929.576lm@250mA\_CCT=3500K\_P=8.72876W\_I=249.8mA

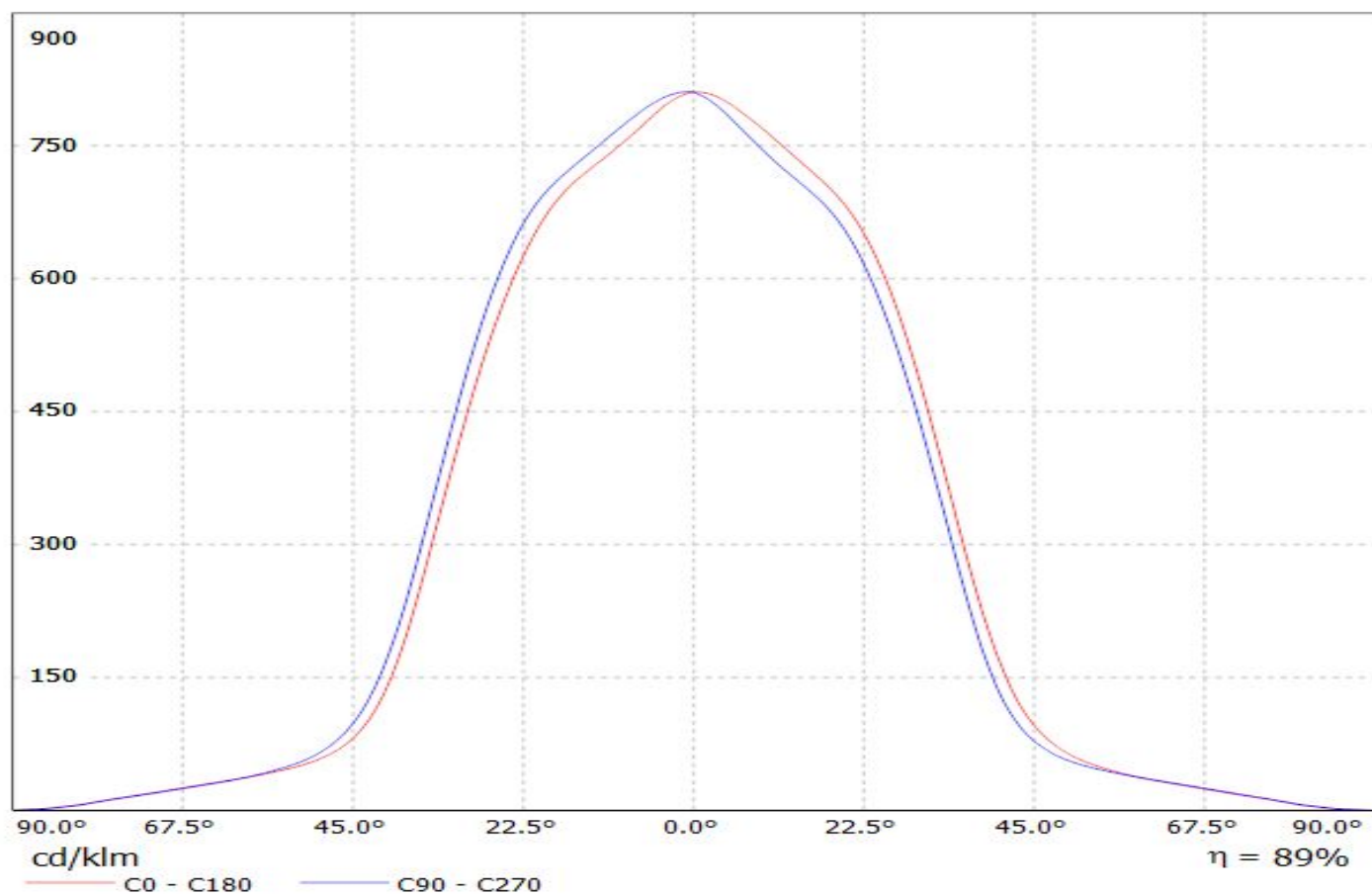


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CXB1507)

Lamps: 1 x Cree\_CXB1507\_(CXB1507-40G-H4-N0H-00001)\_1114.1lm@250mA\_P=8.64954W\_I=0.2499A

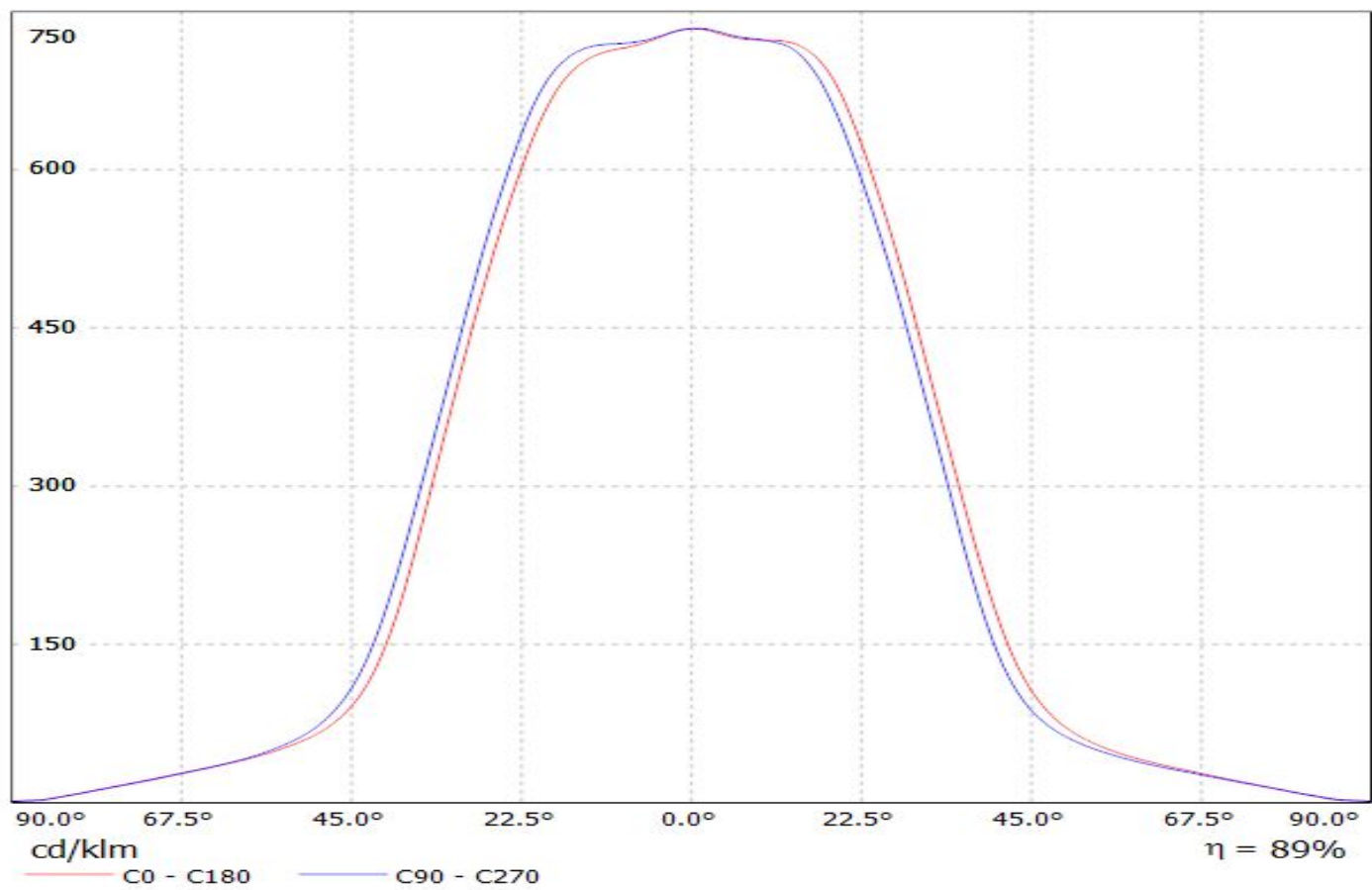


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(SLE-G5\_LES-6)  
Lamps: 1 x Tridonic\_SLE-G5\_LES-6\_468.743lm@100mA\_P=3.3717W\_I=0.100A

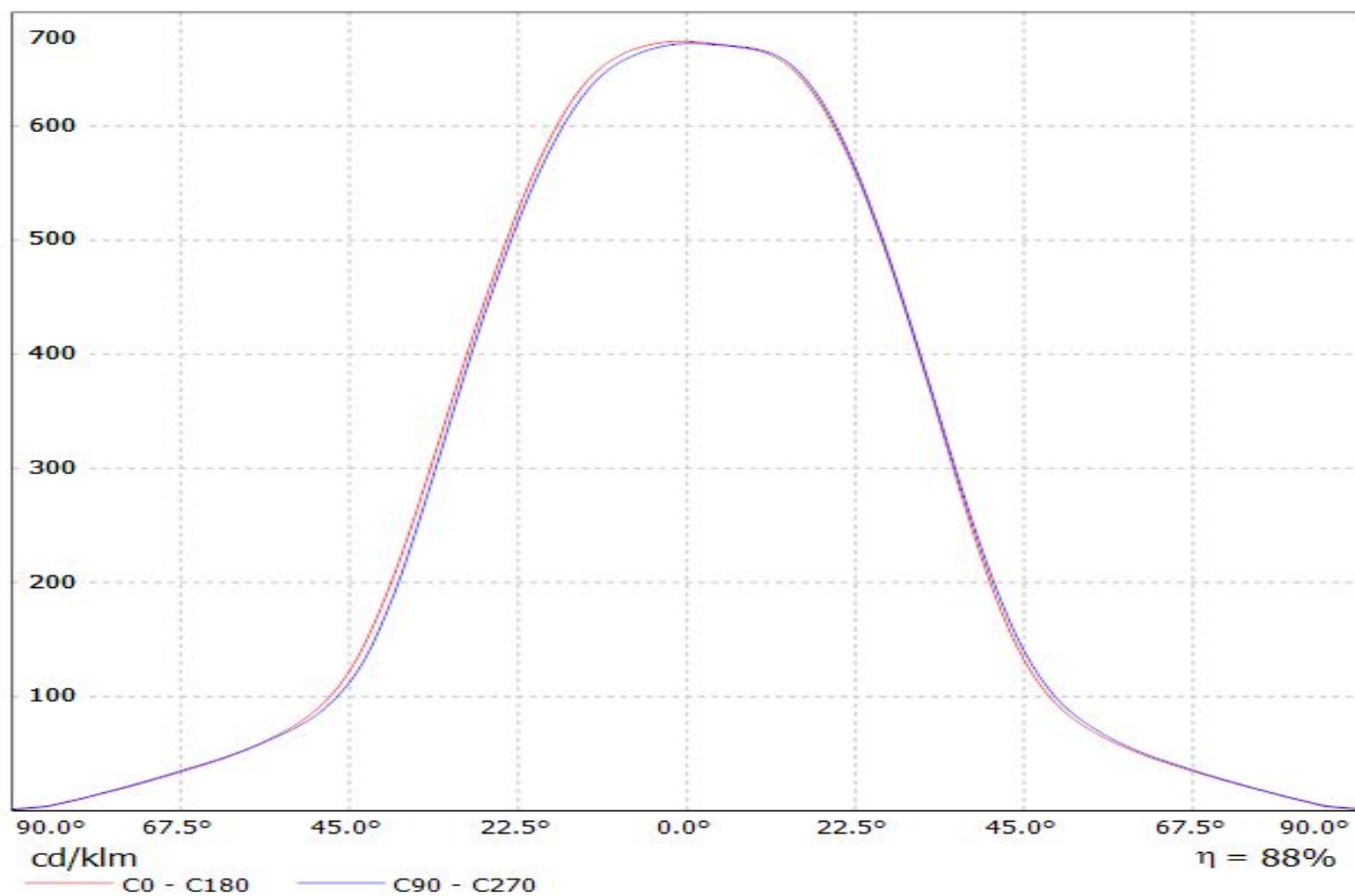




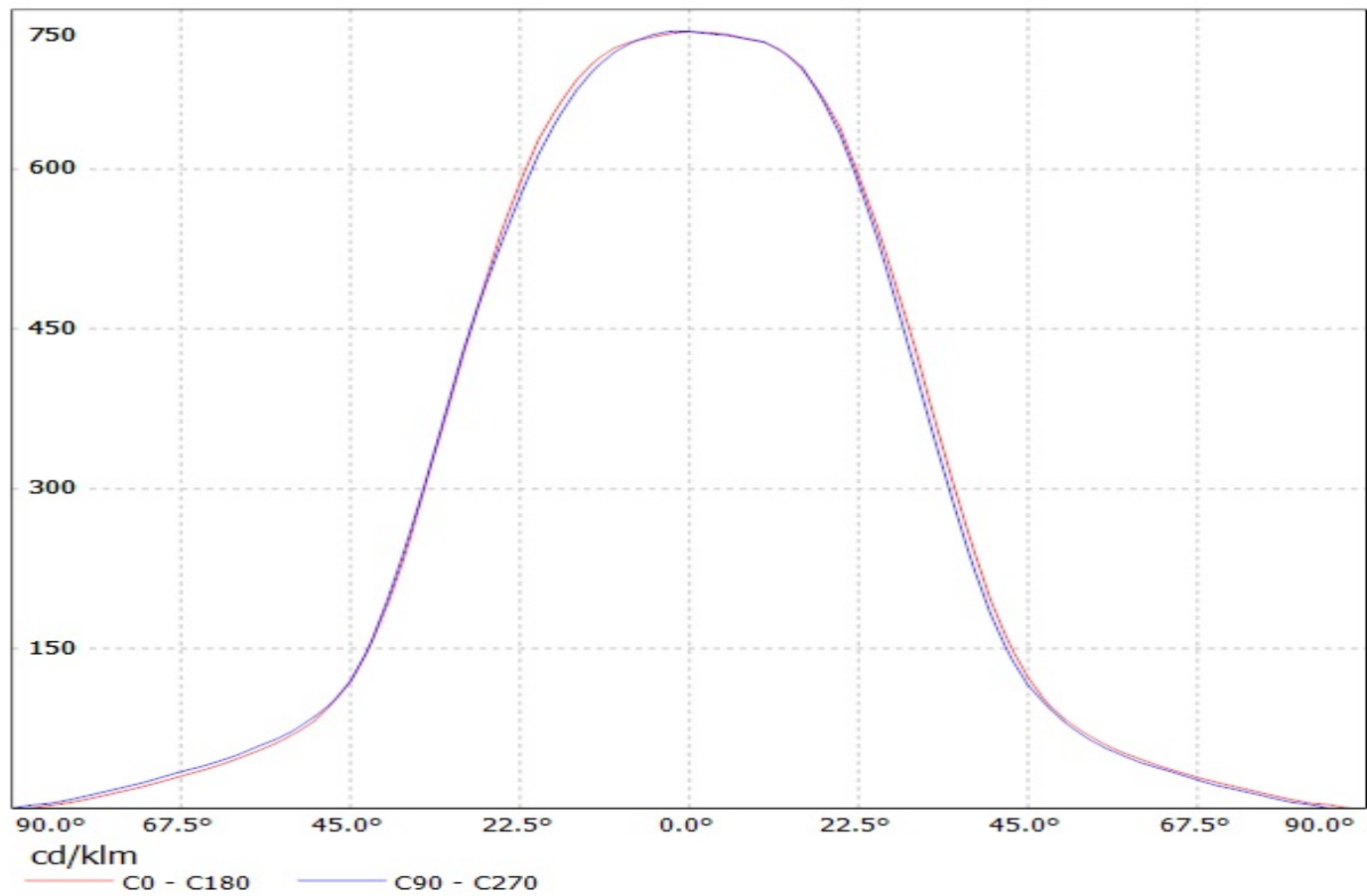
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(Soleriq\_P6) Eff.88.5%  
Lamps: 1 x Osram\_Soleriq\_P6\_(GW\_MAEGB1.EM)  
\_281.545lm@100mA\_CCT=3793K\_P=2.44805W\_I=100.1mA



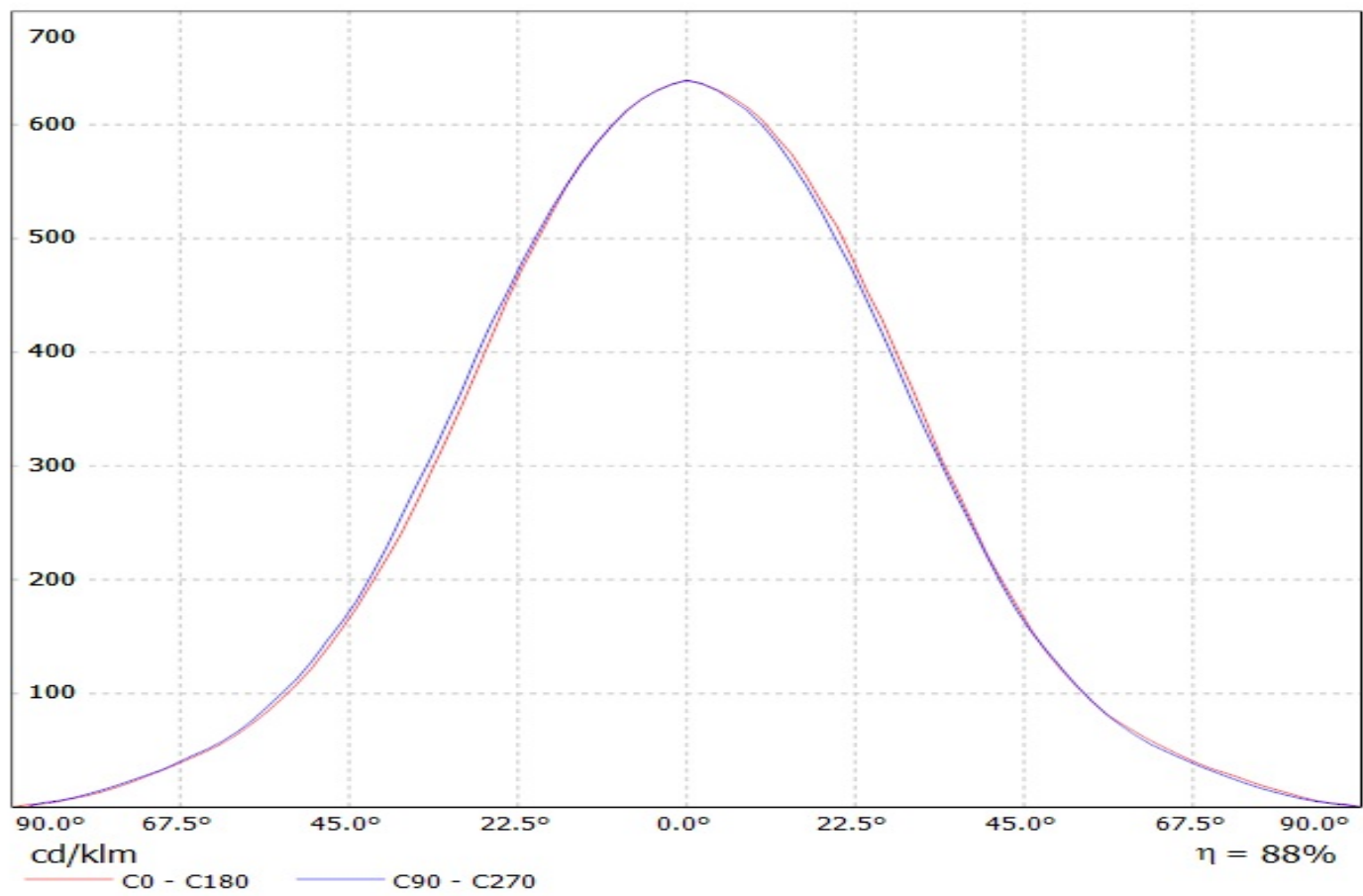
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(V8) Eff.88.1%  
Lamps: 1 x BRIDGELUX\_V8\_847.064lm@250mA\_P=8.83692W\_I=249.8mA



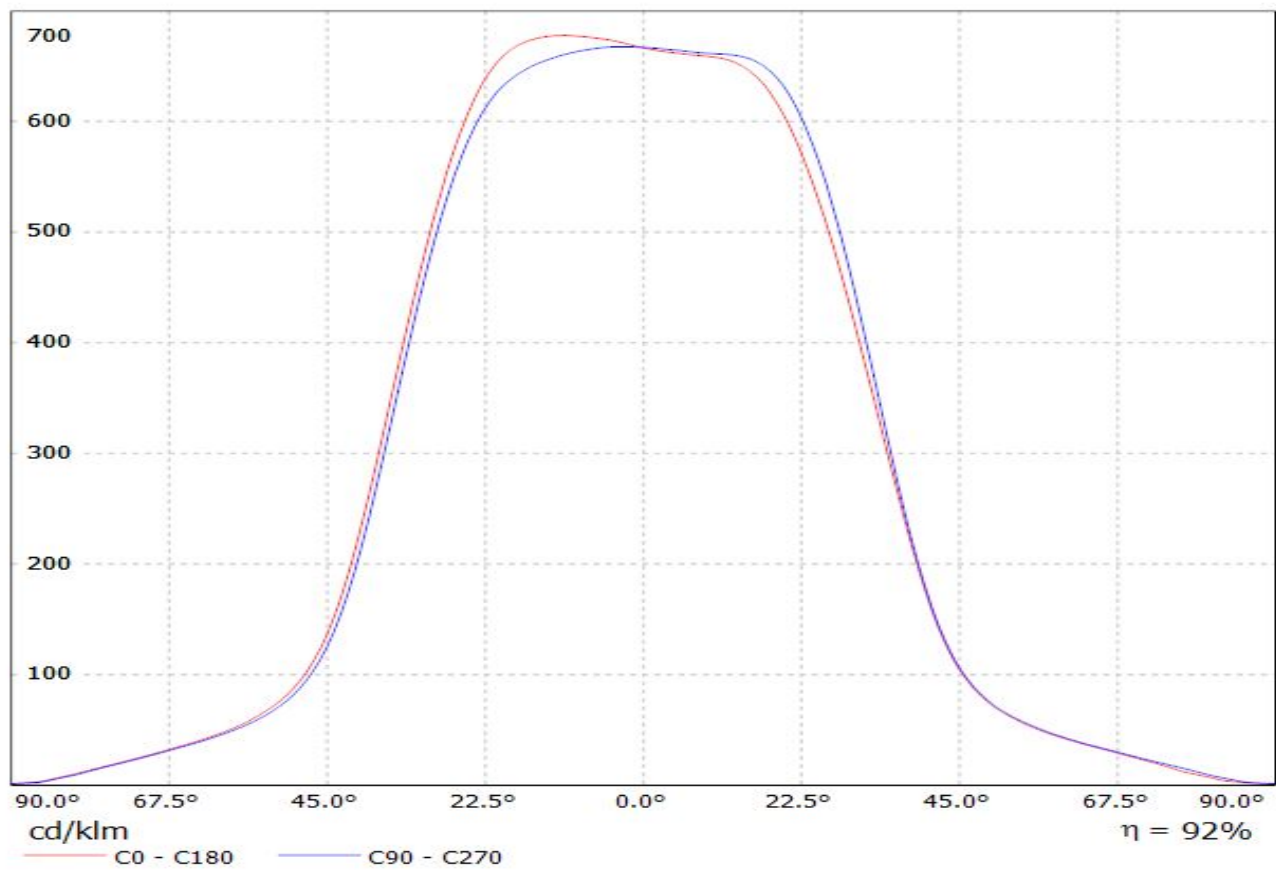
Luminaire: LEDil Oy CN13990\_SAGA-HB-IP-WHT\_(CXM-6) Efficiency=89%  
Lamps: 1 x Luminus XNOVA CXM-6 (438lm @ 120mA) CCT=3200K P=4.2W I=120mA



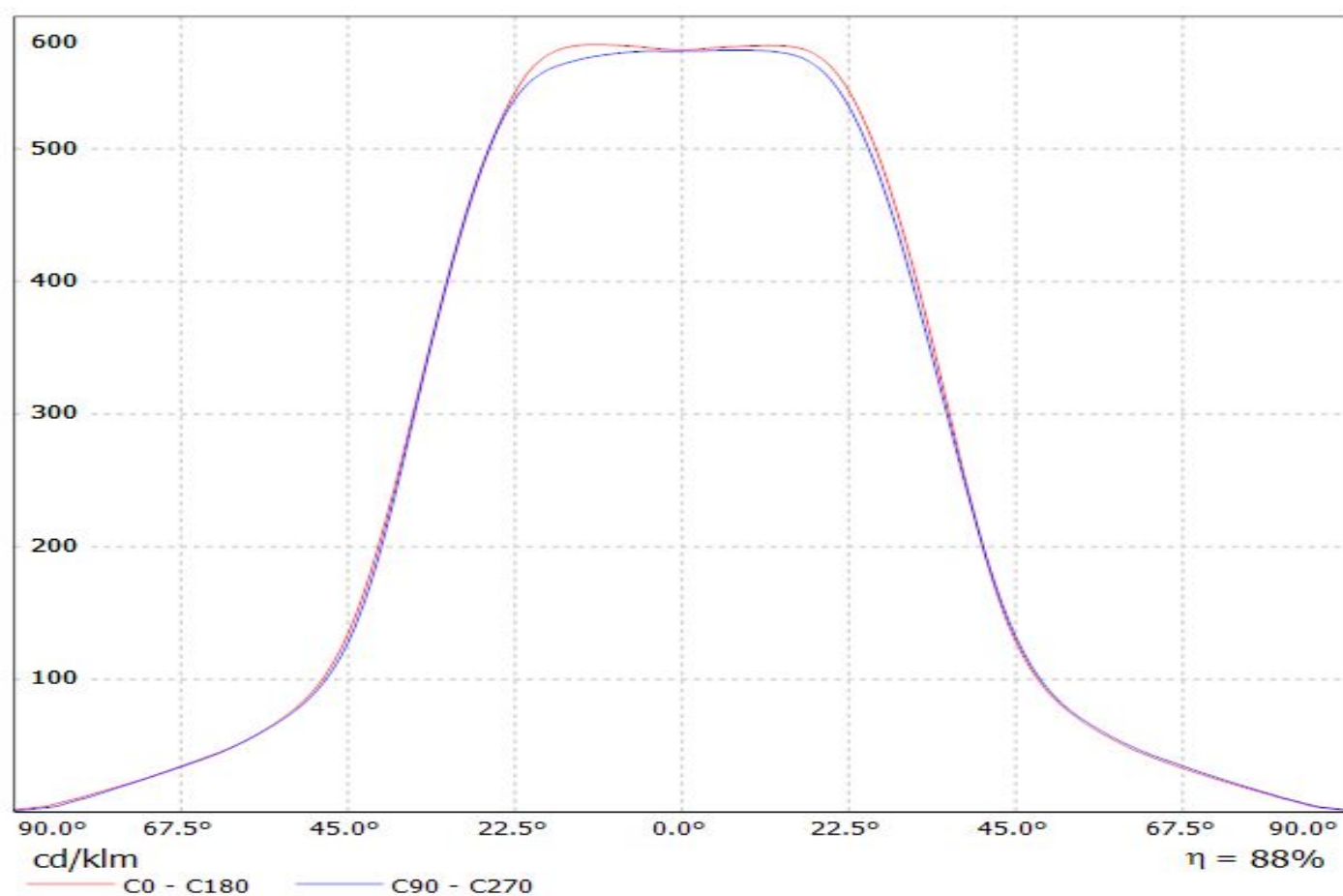
Luminaire: LEDil Oy CN13990\_SAGA-HB-IP-WHT\_(CXM-14)  
Lamps: 1 x Luminus CXM-14 (1058.75lm @ 250mA) CCT=3100K P=8.3W I=250mA



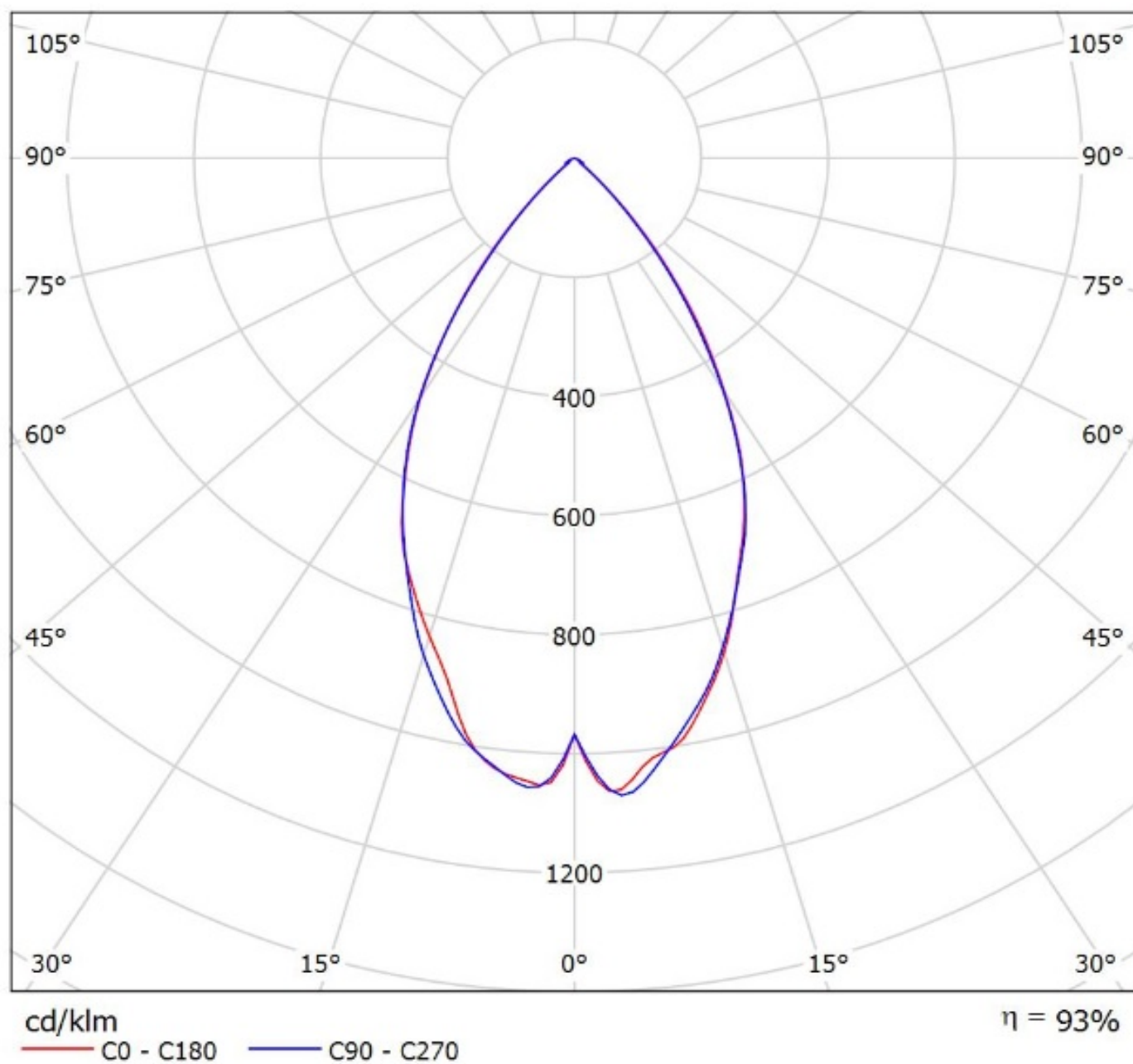
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CXA1304\_9V) Eff.91.9%  
Lamps: 1 x CREE\_CXA1304\_9V\_265.569lm@250mA\_P=2.21931W\_I=249.9mA



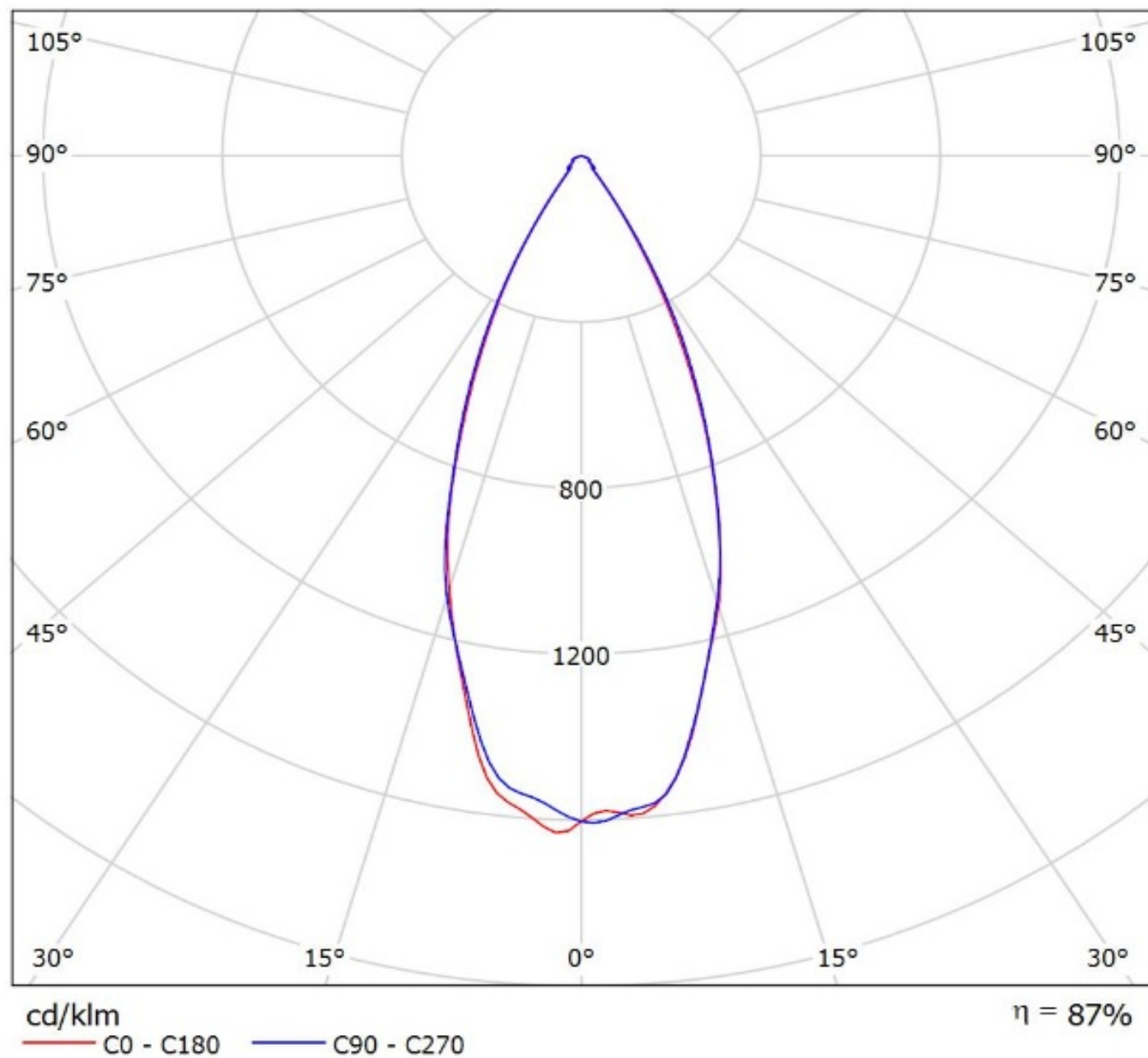
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(V6) Eff.88.1%  
Lamps: 1 x BRIDGELUX\_V6\_488.215lm@250mA\_P=5.22041W\_I=249.9mA



Luminaire: Ledil Oy CN13990\_SAGA-HB-IP-WHT\_(Soleriq\_S9)\_SIMULATED  
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)

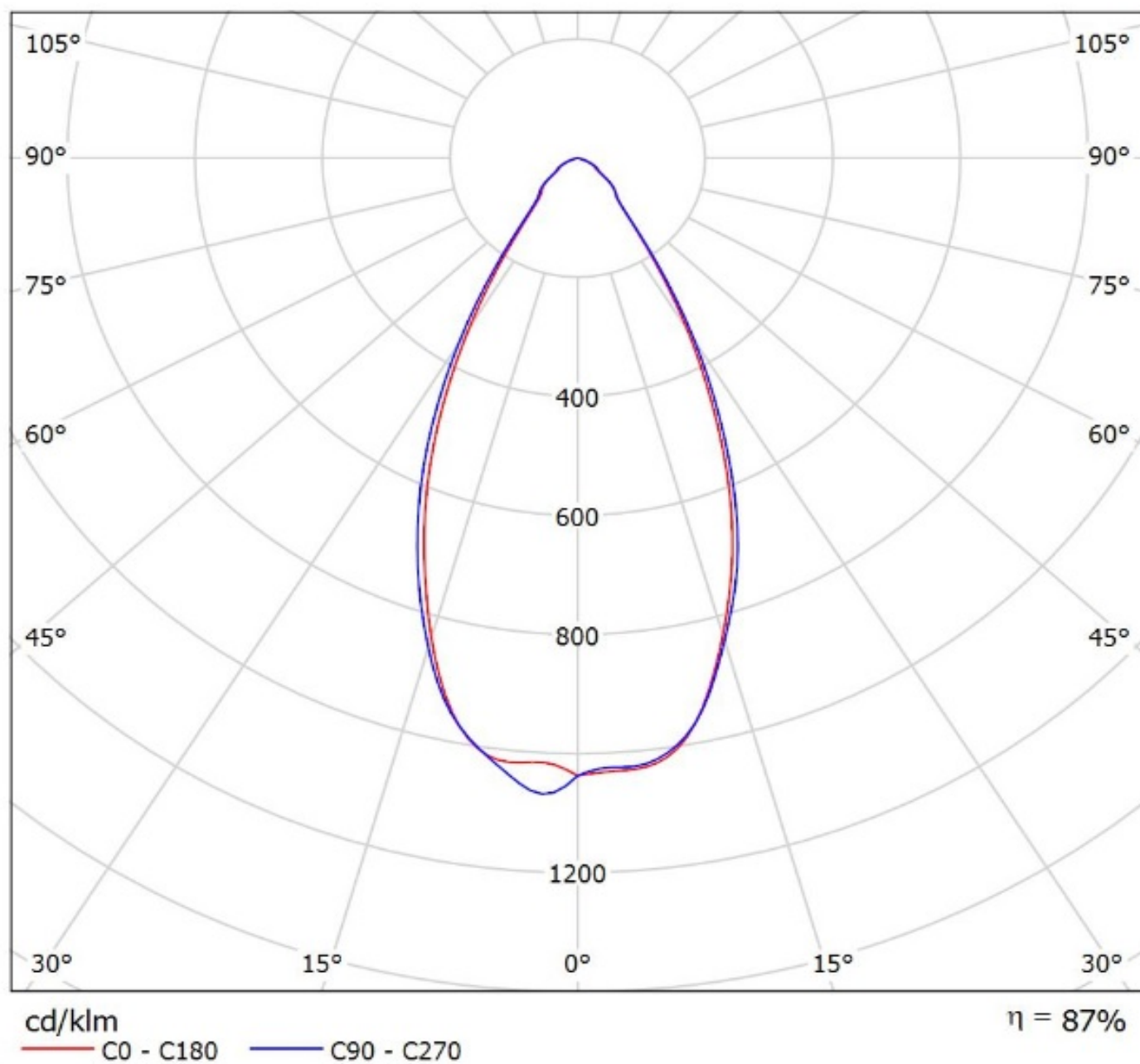


Luminaire: Ledil Oy CN13990\_SAGA-HB-IP-WHT\_(LC020C)\_(B+W\_479\_Typ\_L6)\_SIMULATED  
Lamps: 1 x Samsung LC020C





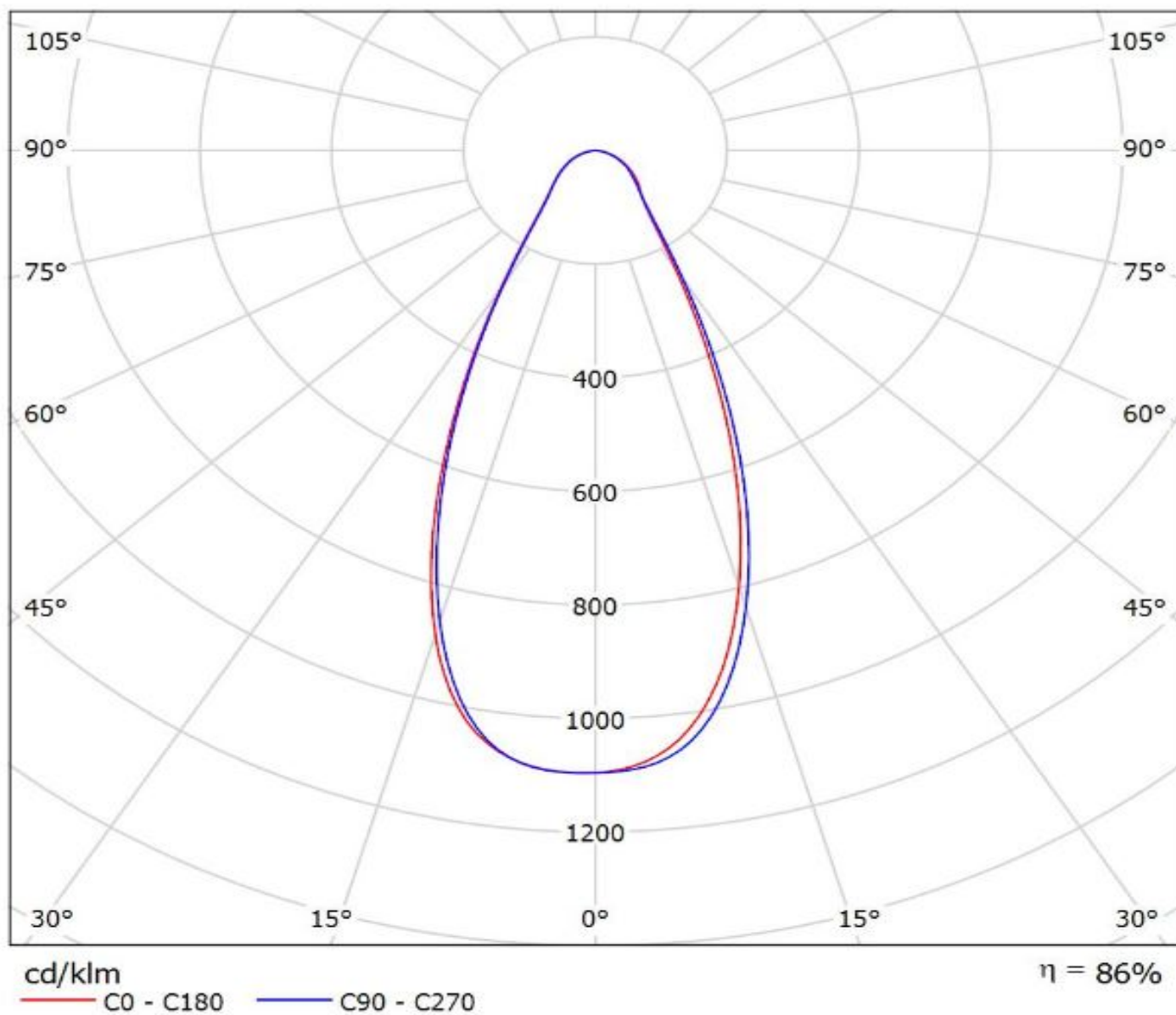
Luminaire: Ledil Oy CN13990\_SAGA-HB-IP-WHT\_(LC040C)\_(B+W\_480\_Typ\_L6)\_SIMULATED  
Lamps: 1 x Samsung LC040C



## Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU700) / LDC (Polar)

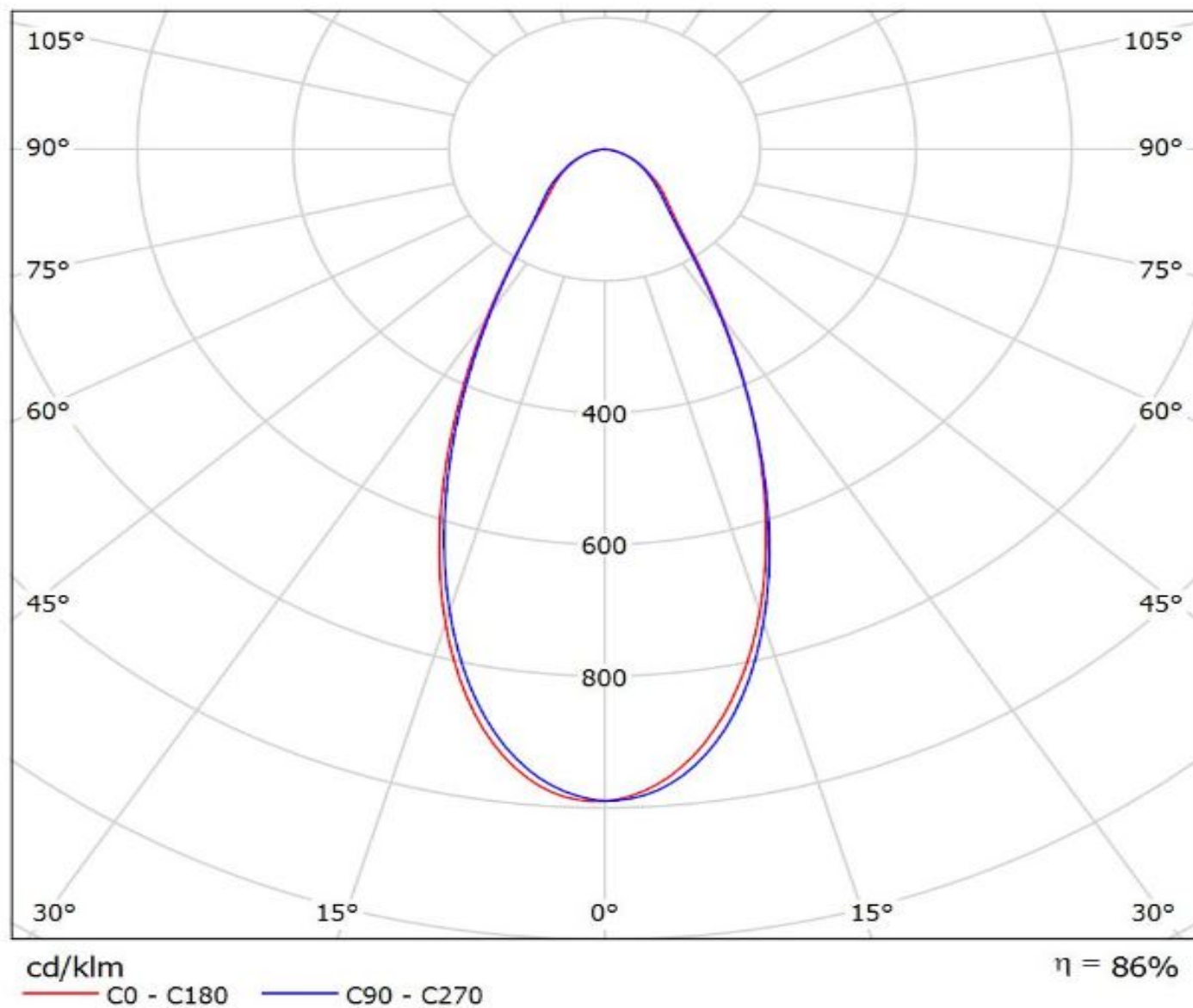
Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU700)

Lamps: 1 x Citizen\_CLU700\_(CLU700-1002B8-273M2G1)\_392.46lm@100mA\_P=2.8255W\_I=0.1A



## Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU024) / LDC (Polar)

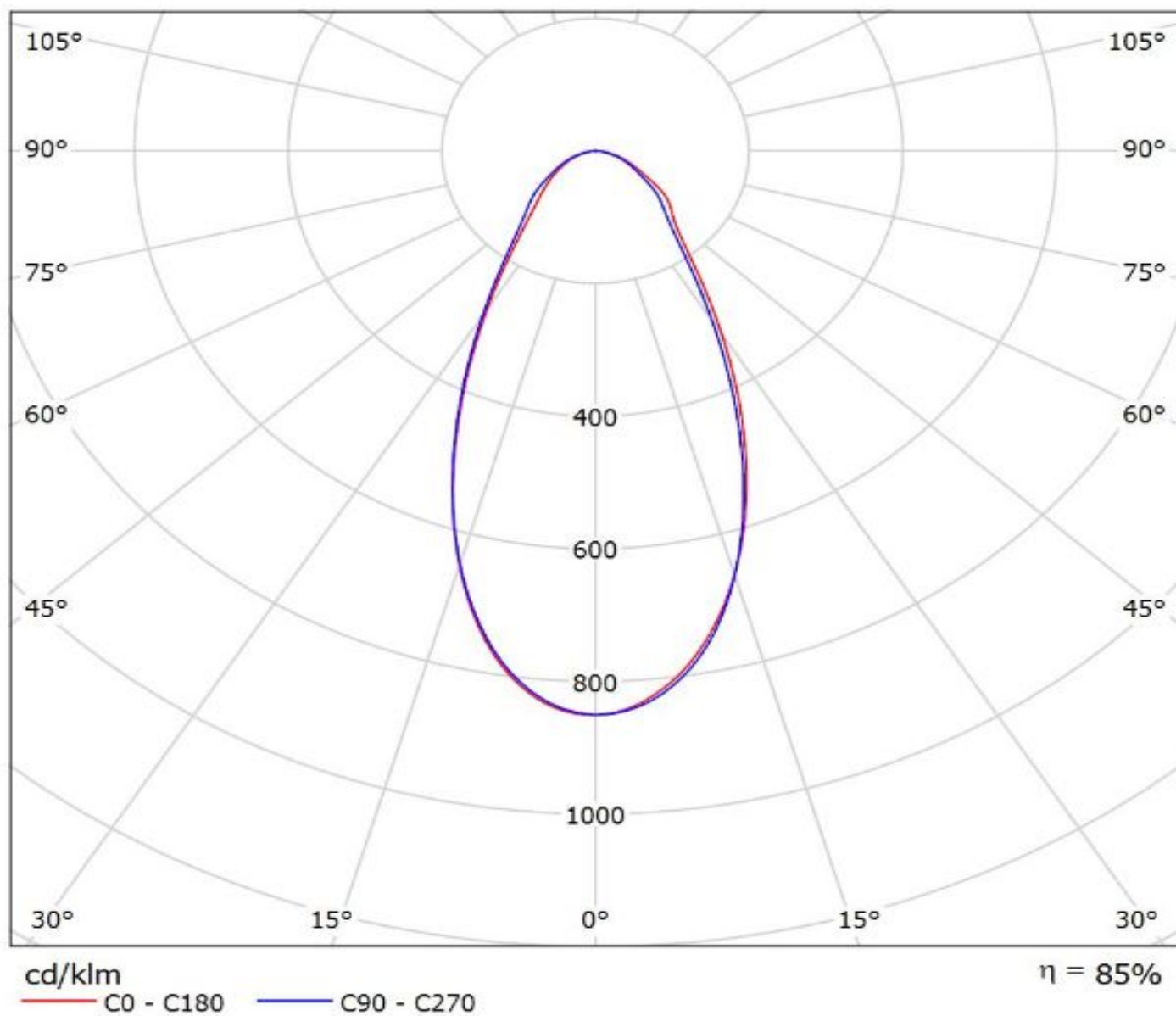
Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU024)  
Lamps: 1 x Citizen\_CLU024\_(CLU024-1204B8-303M1A2)  
\_1071.67lm@250mA\_CCT=3000K\_P=8.56W\_I=0.25A



## Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU720) / LDC (Polar)

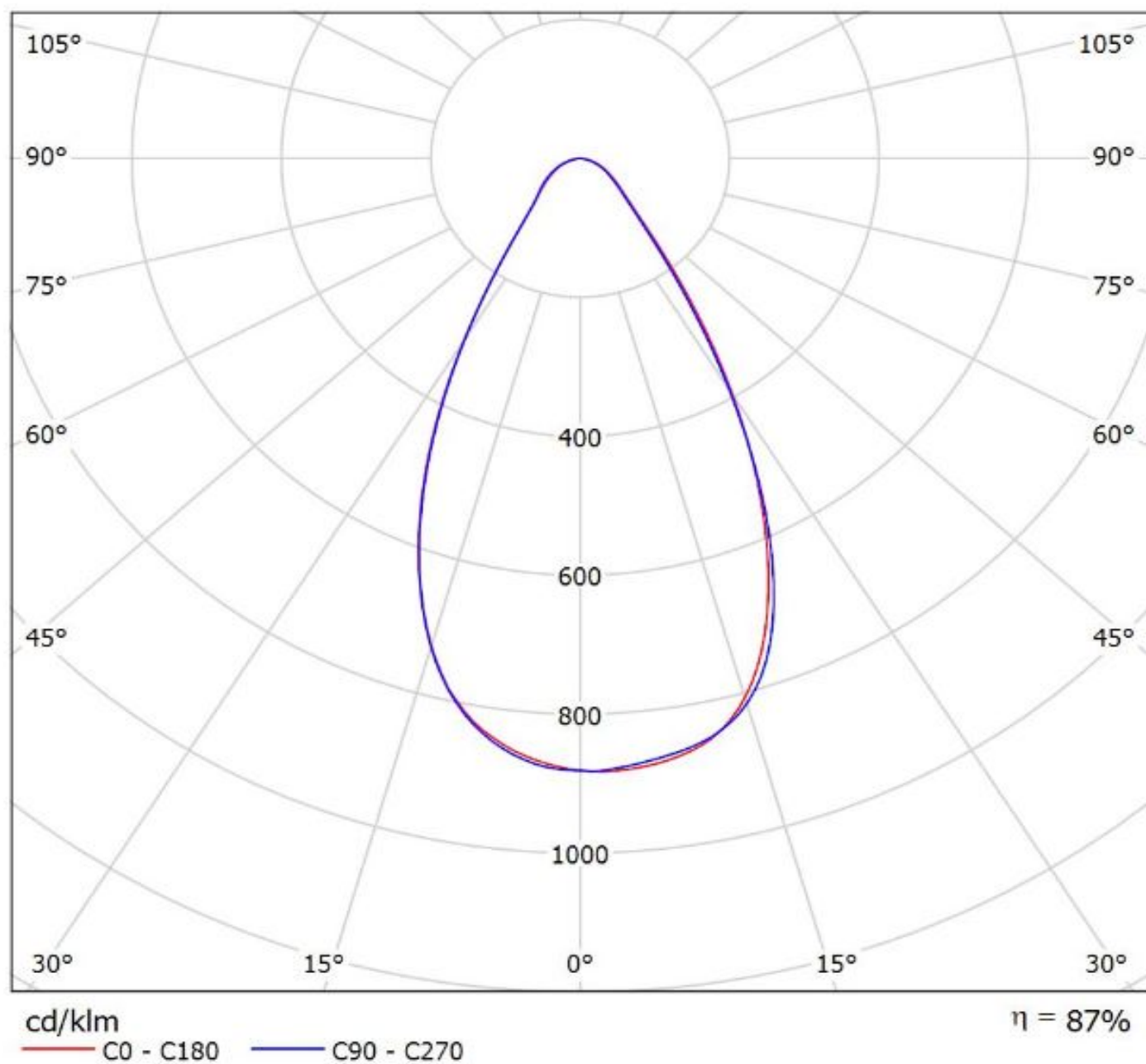
Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU720)

Lamps: 1 x Citizen\_CLU720\_(CLU720-1206B8-273M2G1)\_1253.68lm@250mA\_P=8.3W\_I=0.25A



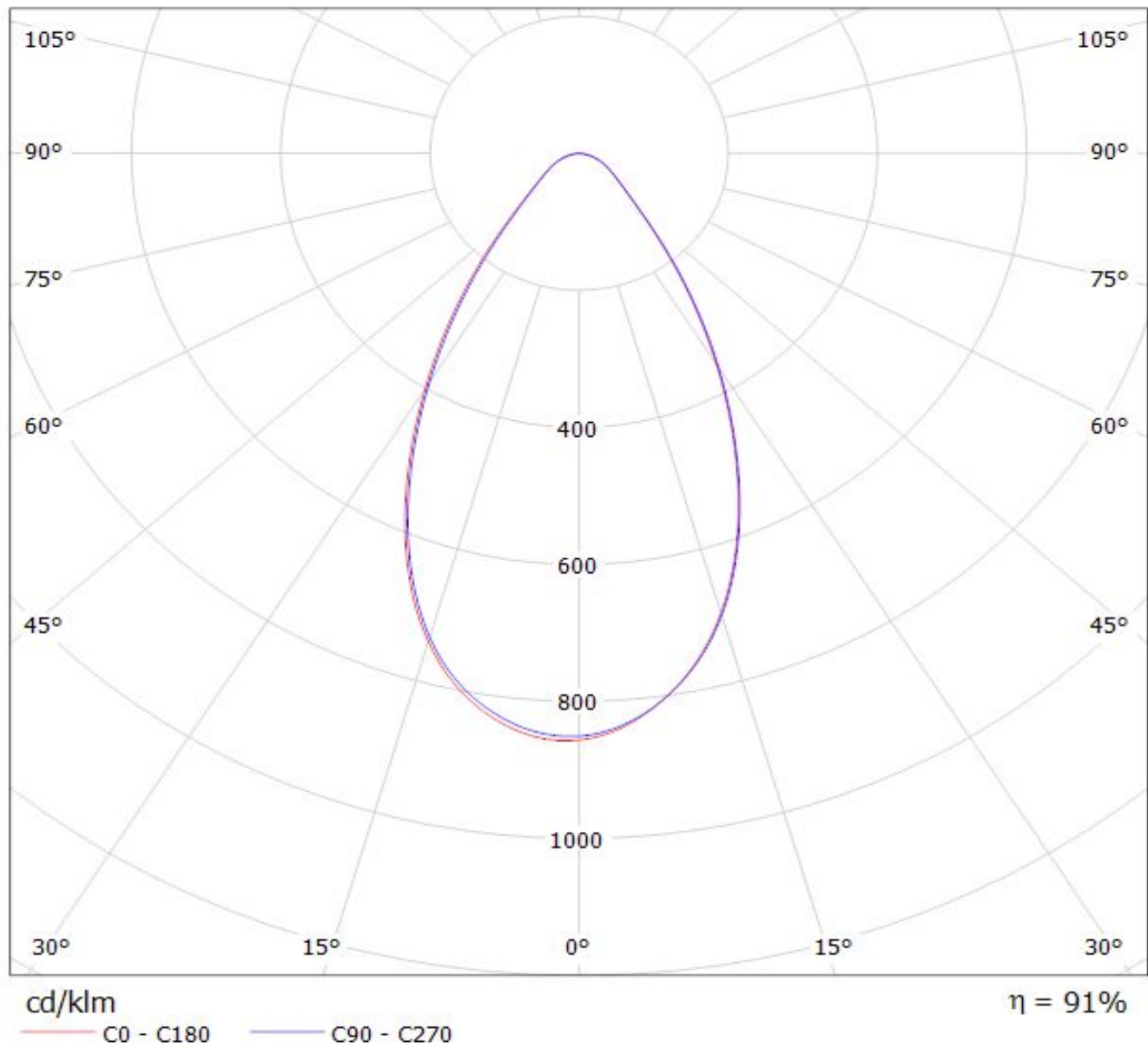
Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU700)

Lamps: 1 x Citizen\_CLU700\_394.637lm@100mA\_P=2.8W\_I=0.10A



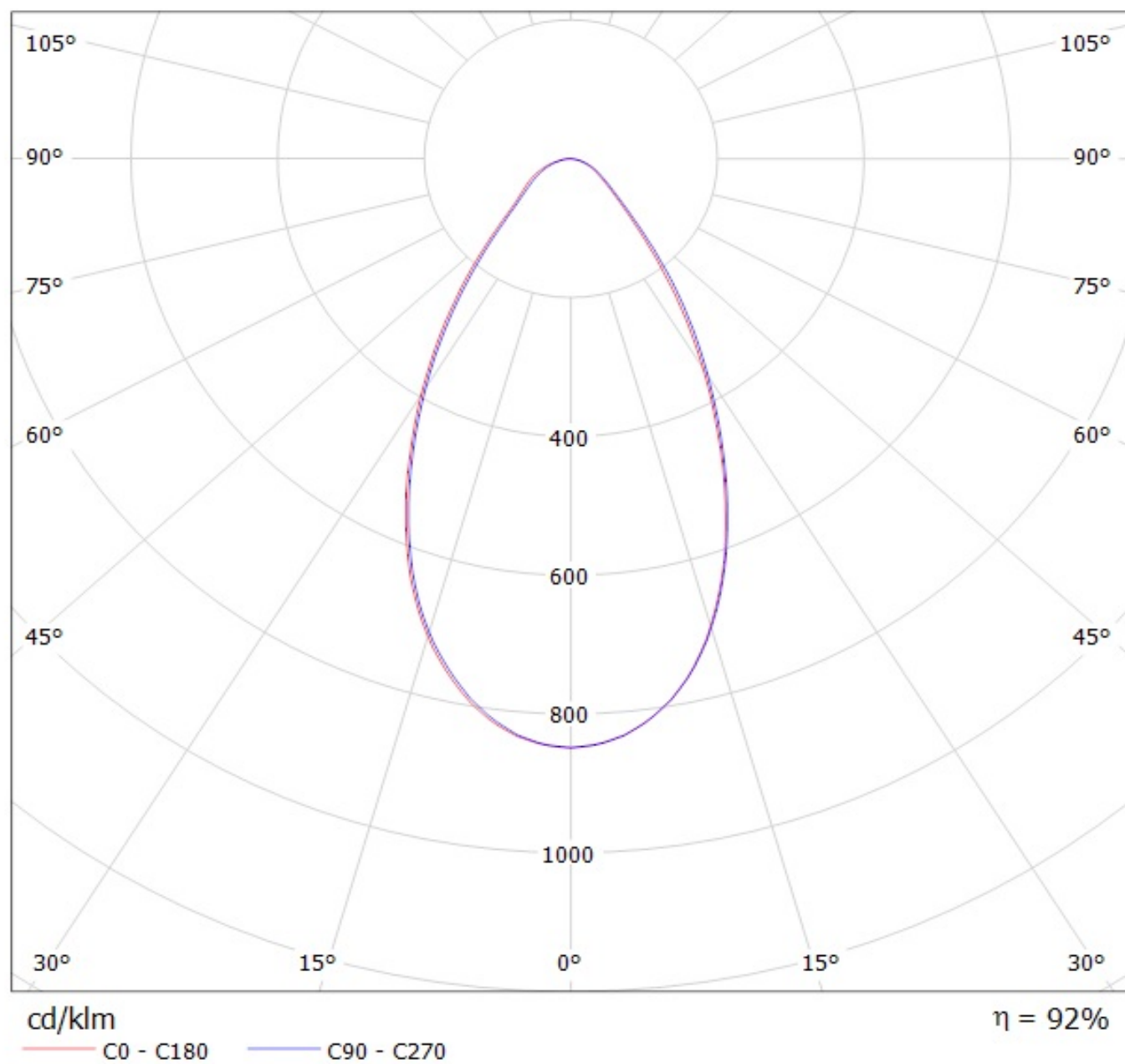


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CLL020) Eff.90.5%  
Lamps: 1 x CITIZEN\_CLL020-1203A1\_747.329lm@250mA\_P=9.28656W\_I=249.8mA



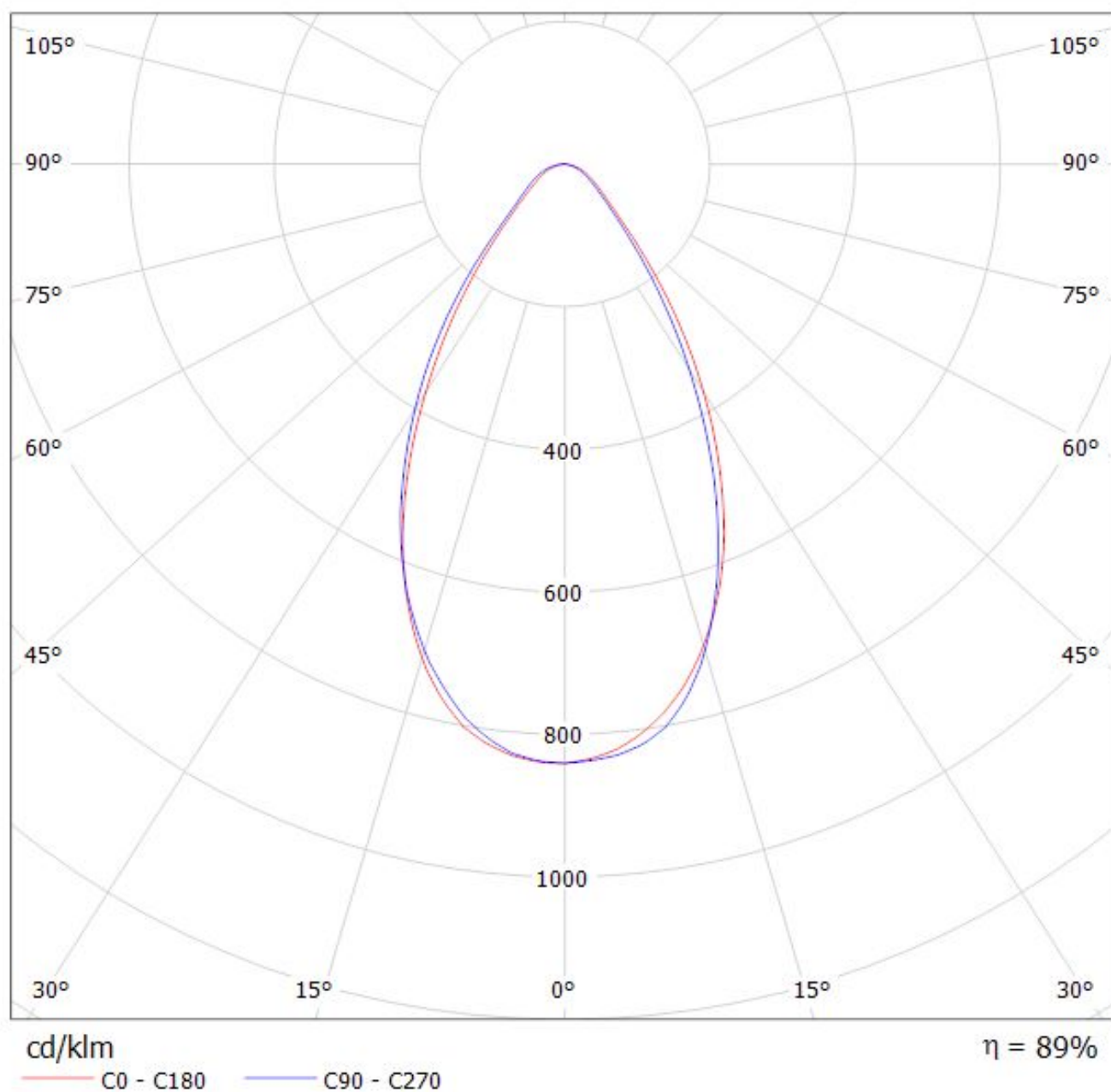
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(VERO10) Eff.92%

Lamps: 1 x VERO10\_(BXRC-30E1000B)\_625lm@250mA\_CCT=3000K\_P=6.18827W\_I=249.9mA



Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(Soleriq\_P9)

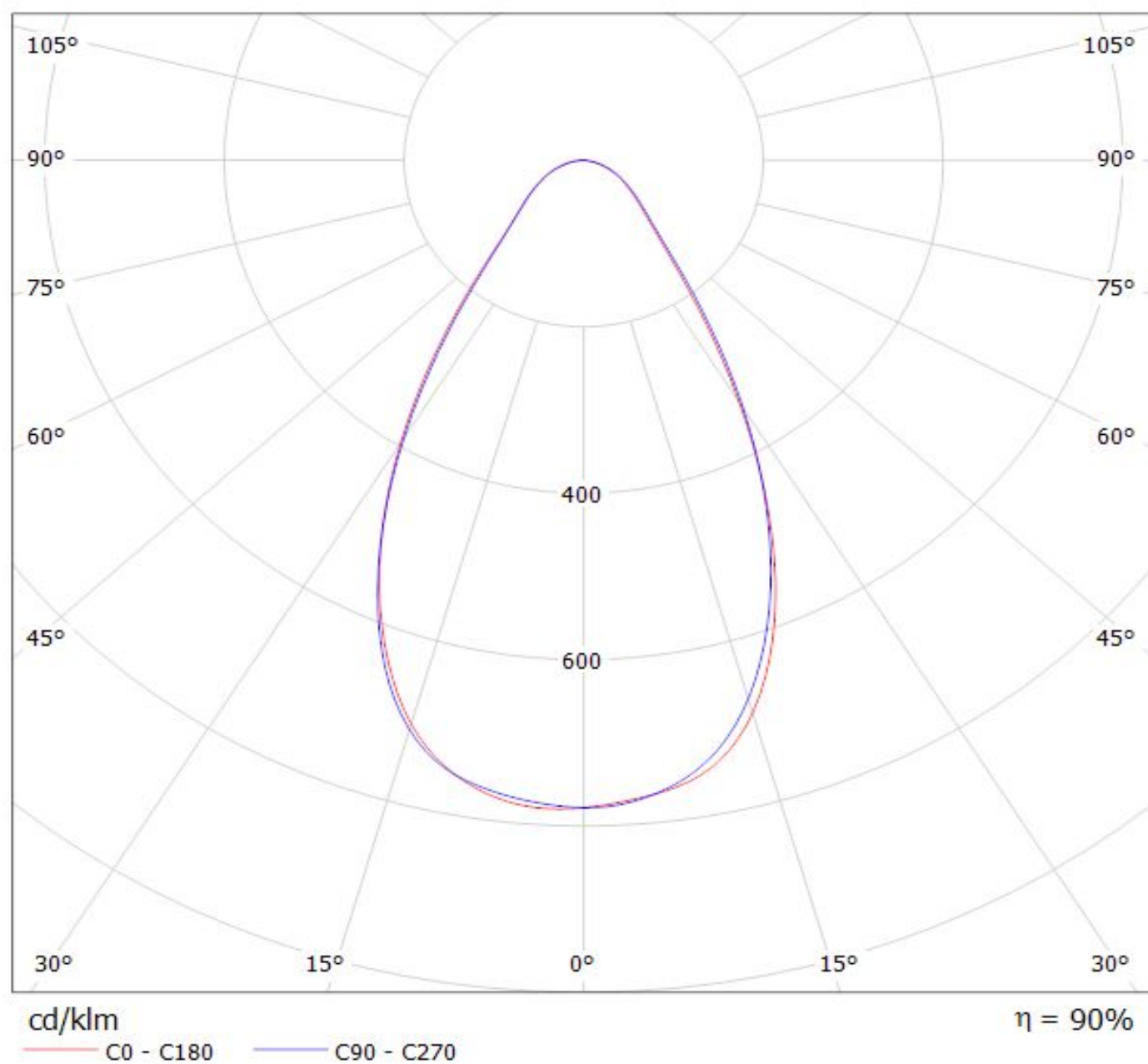
Lamps: 1 x Osram\_Soleriq\_P9\_(GW\_MAFJB1.EM)\_387.221lm@100mA\_CCT=4299K\_P=2.73123W\_I=100.1mA





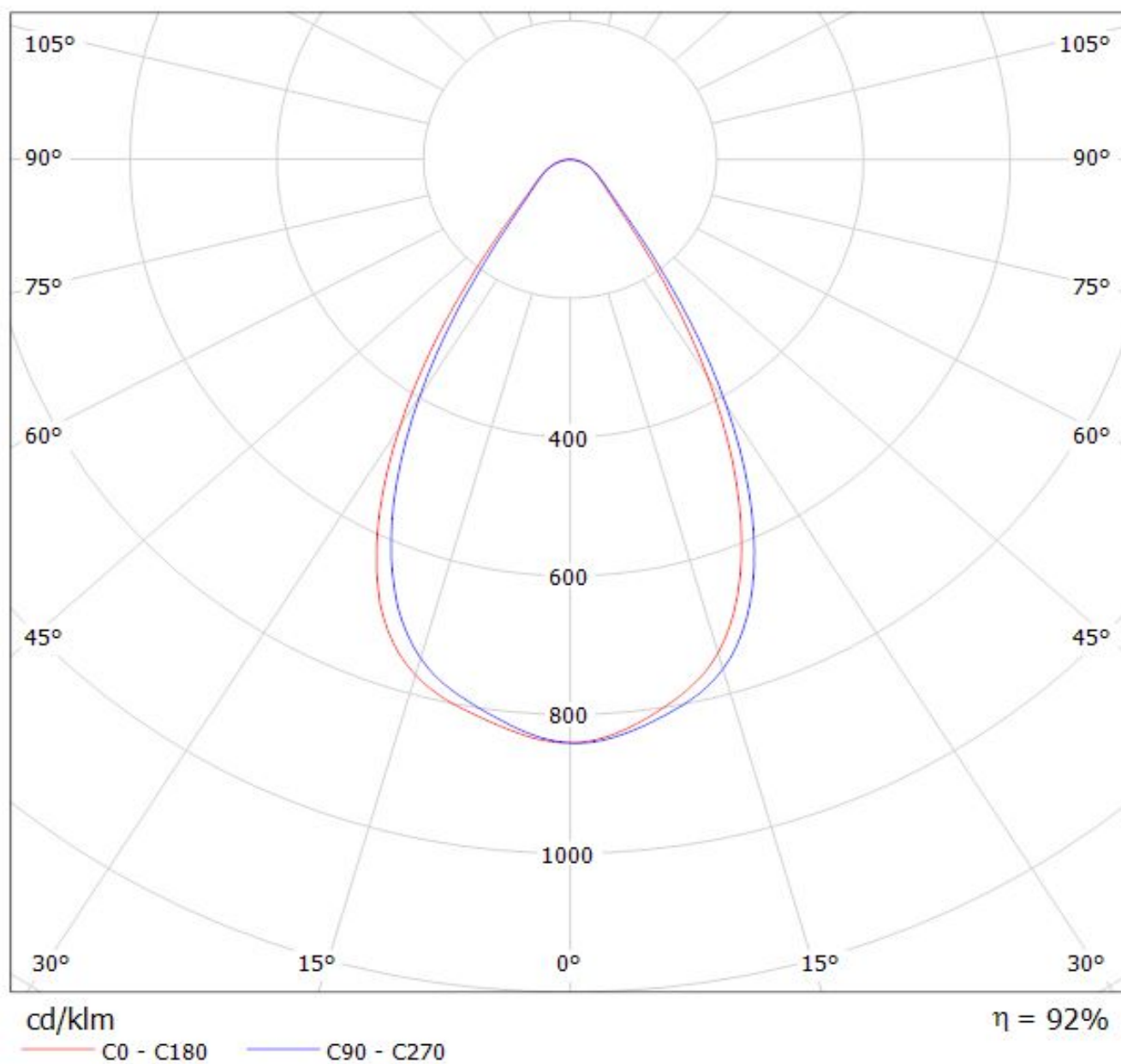
Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(MHD-G)

Lamps: 1 x Cree MHD-G\_530.44lm@100mA\_P=3.0W\_I=0.100A



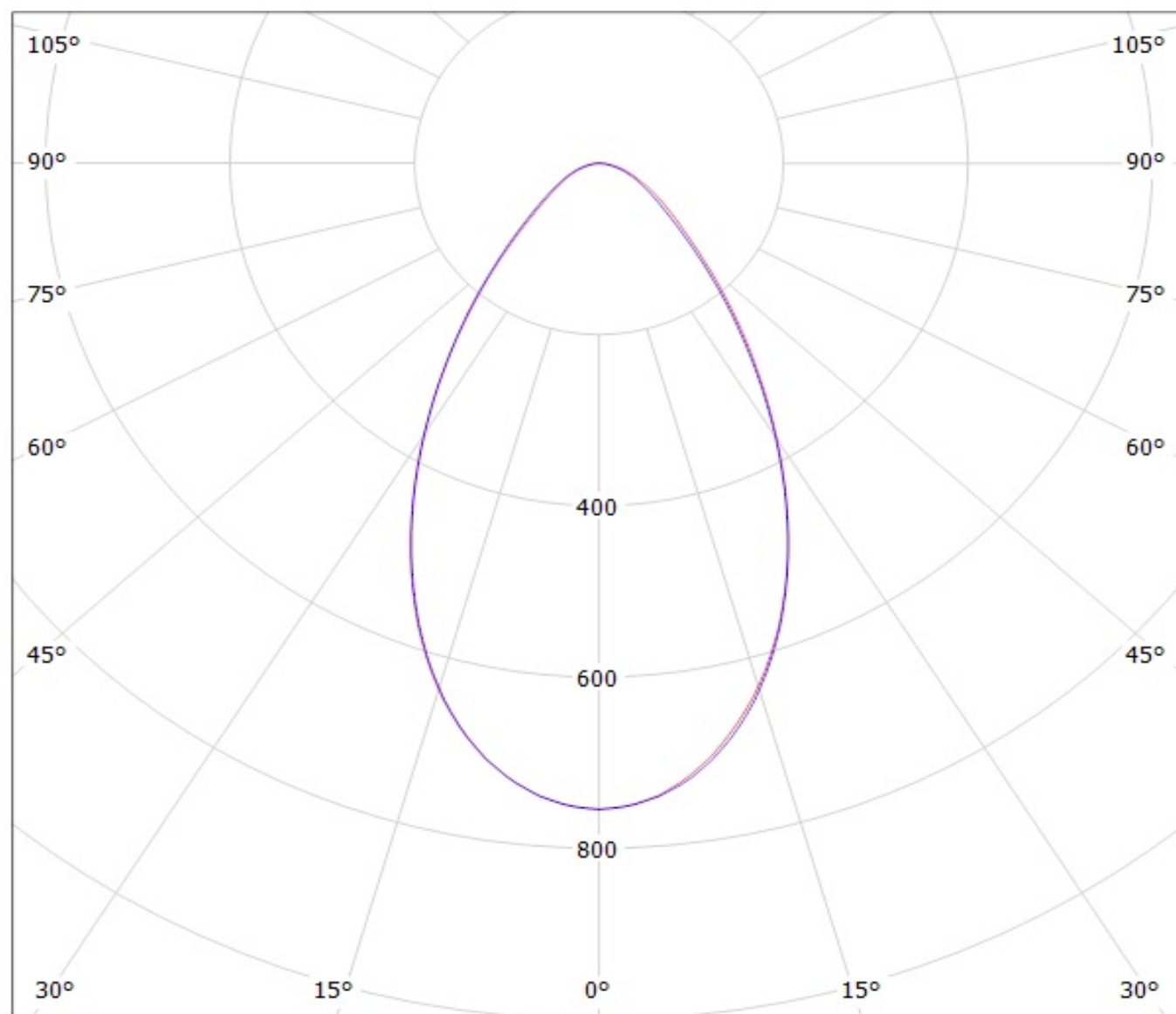
Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CLL010)\_2 Eff.91.5%

Lamps: 1 x CITIZEN\_CLL010-0305A1-303M1A2\_205.695lm@250mA\_P=2.27208W\_I=249.8mA



Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(Soleriq\_S13) Eff.91.2%

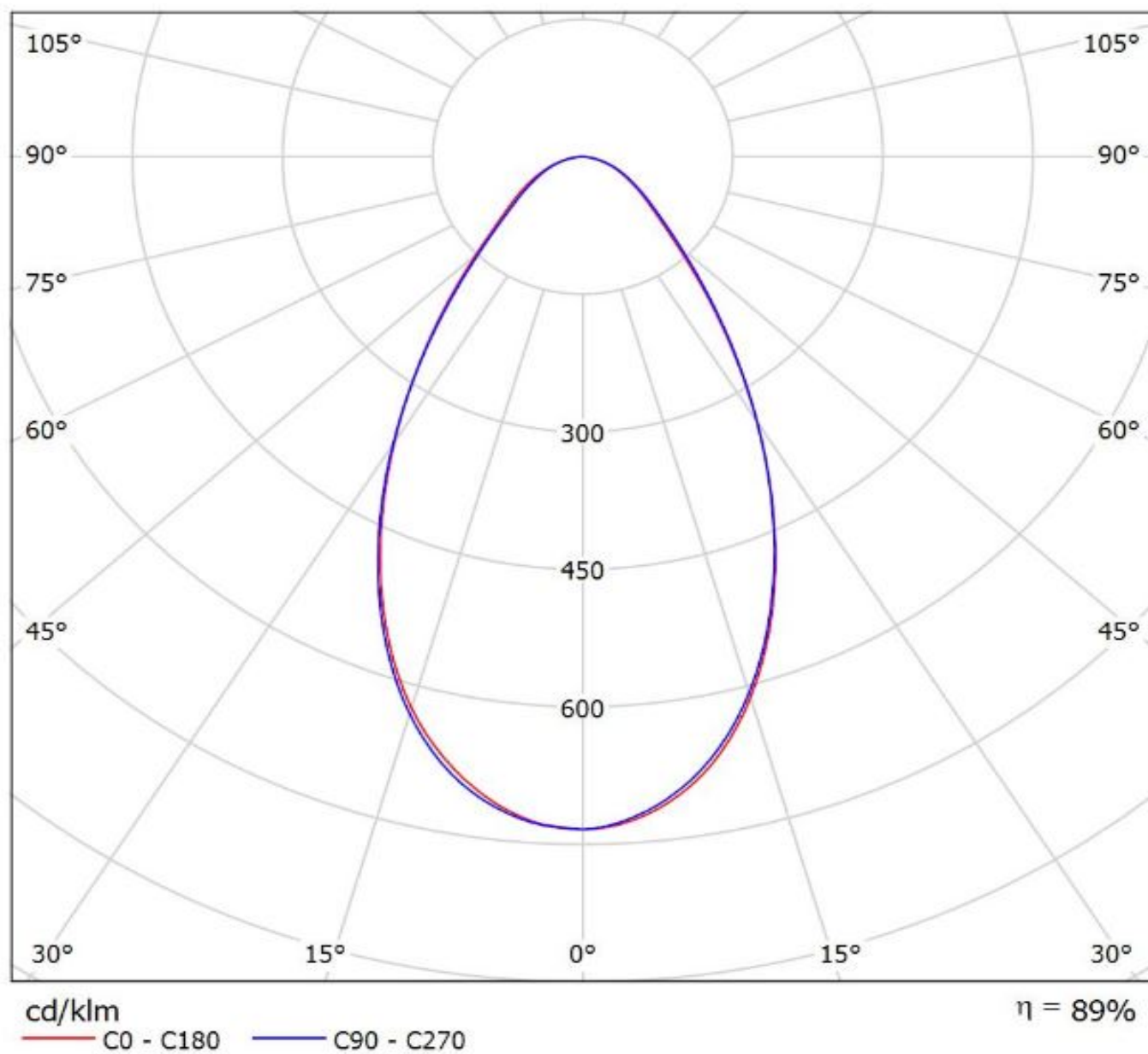
Lamps: 1 x Osram\_Soleriq\_S13\_832.881lm@250mA\_CCT=3125K\_P=7.32389W\_I=249.8mA



cd/klm

— C0 - C180 — C90 - C270

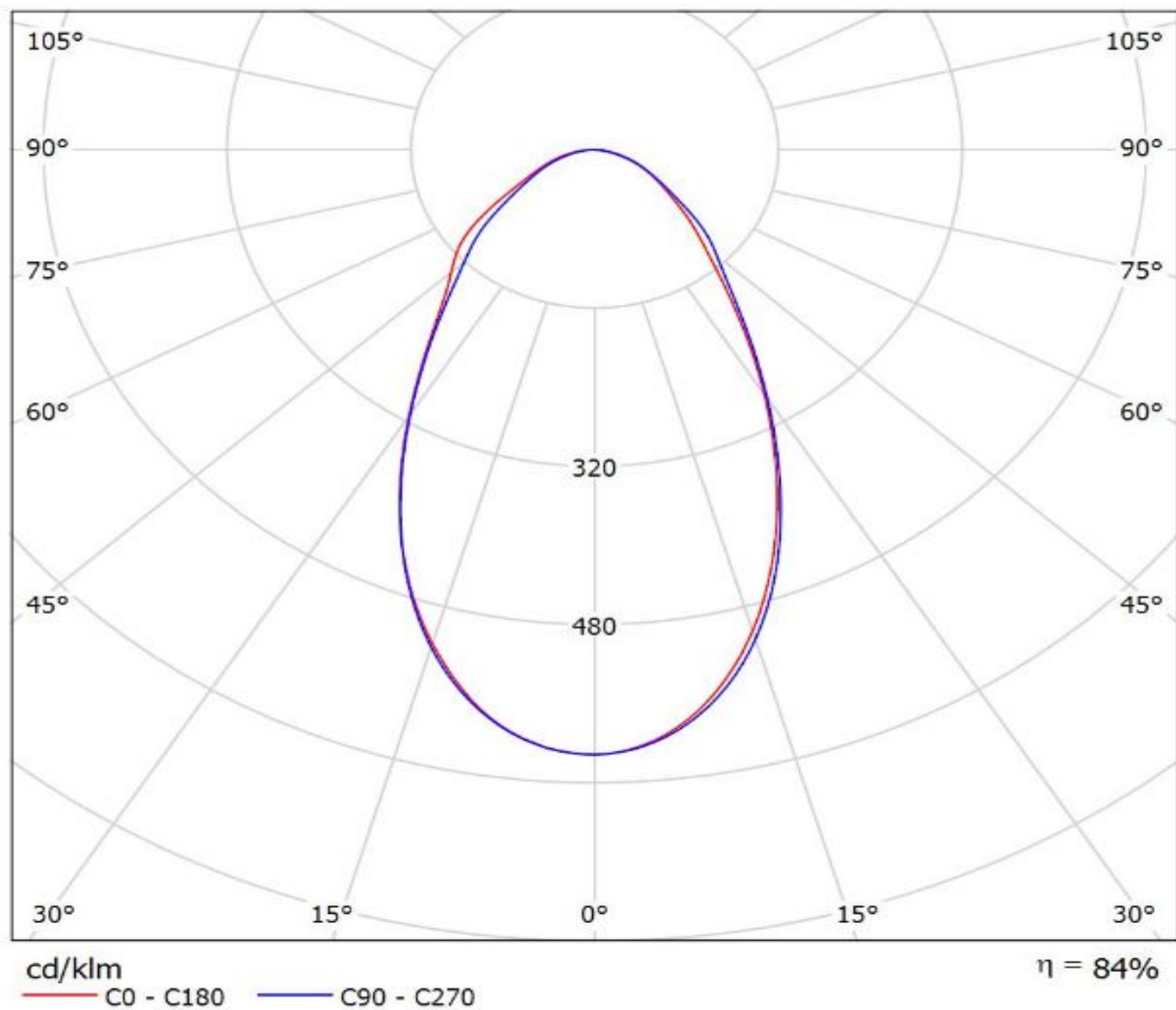
Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU720)  
Lamps: 1 x CITIZEN\_CLU720\_(CLU720-1206B8-273M2)  
\_1298.17lm@250mA\_CCT=2700K\_P=8.3W\_I=0.25A



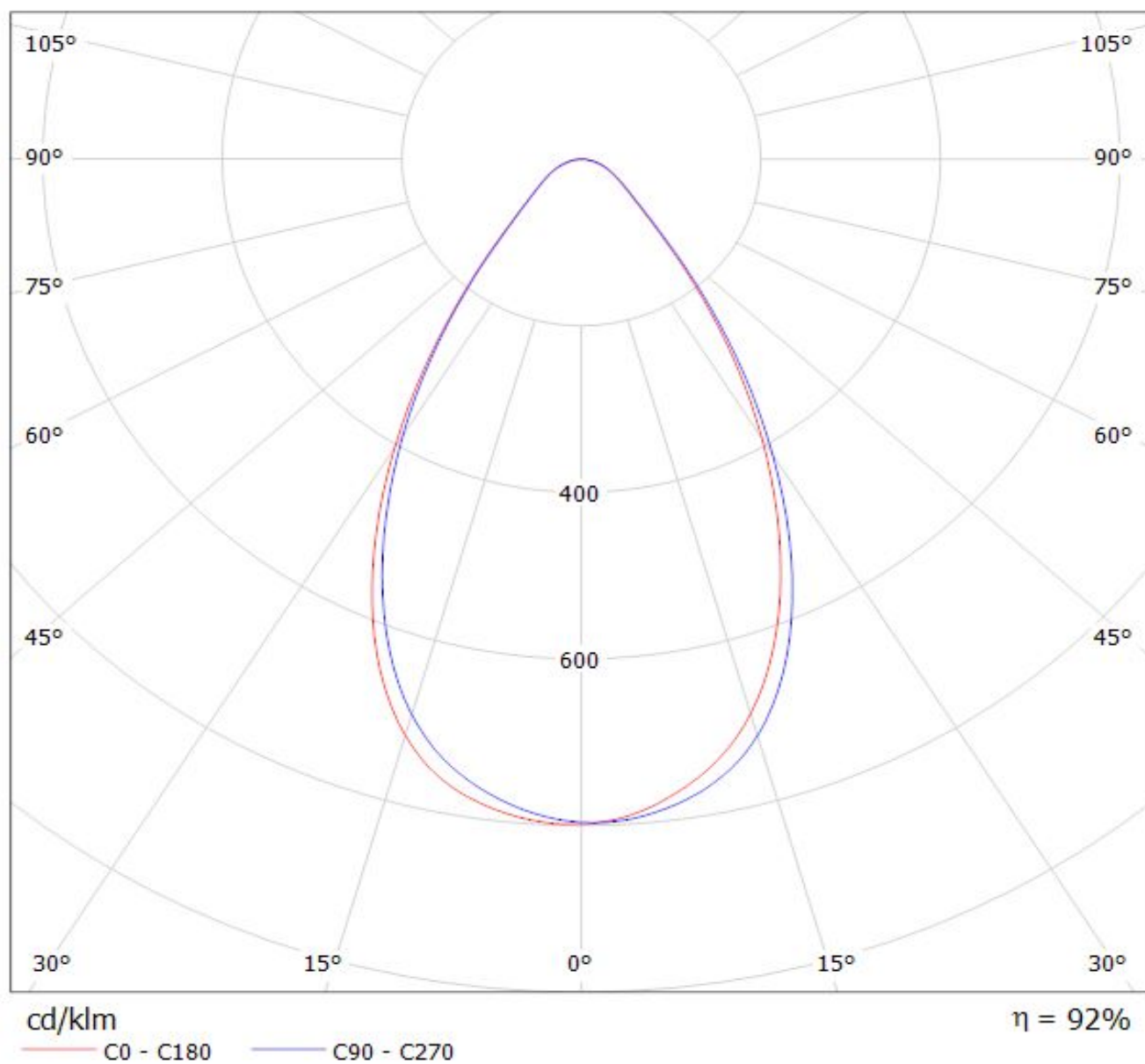
## Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU034) / LDC (Polar)

Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU034)

Lamps: 1 x Citizen\_CLU034\_(CLU034-1205B8-303M1A2)\_1190.41lm@250mA\_P=8.5W\_I=0.25A



Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(MINIZENIGATA) Eff.91.8%  
Lamps: 1 x MINIZENIGATA\_(6W6BR30HGD)\_792.234lm@250mA\_P=8.65382W\_I=249.8mA

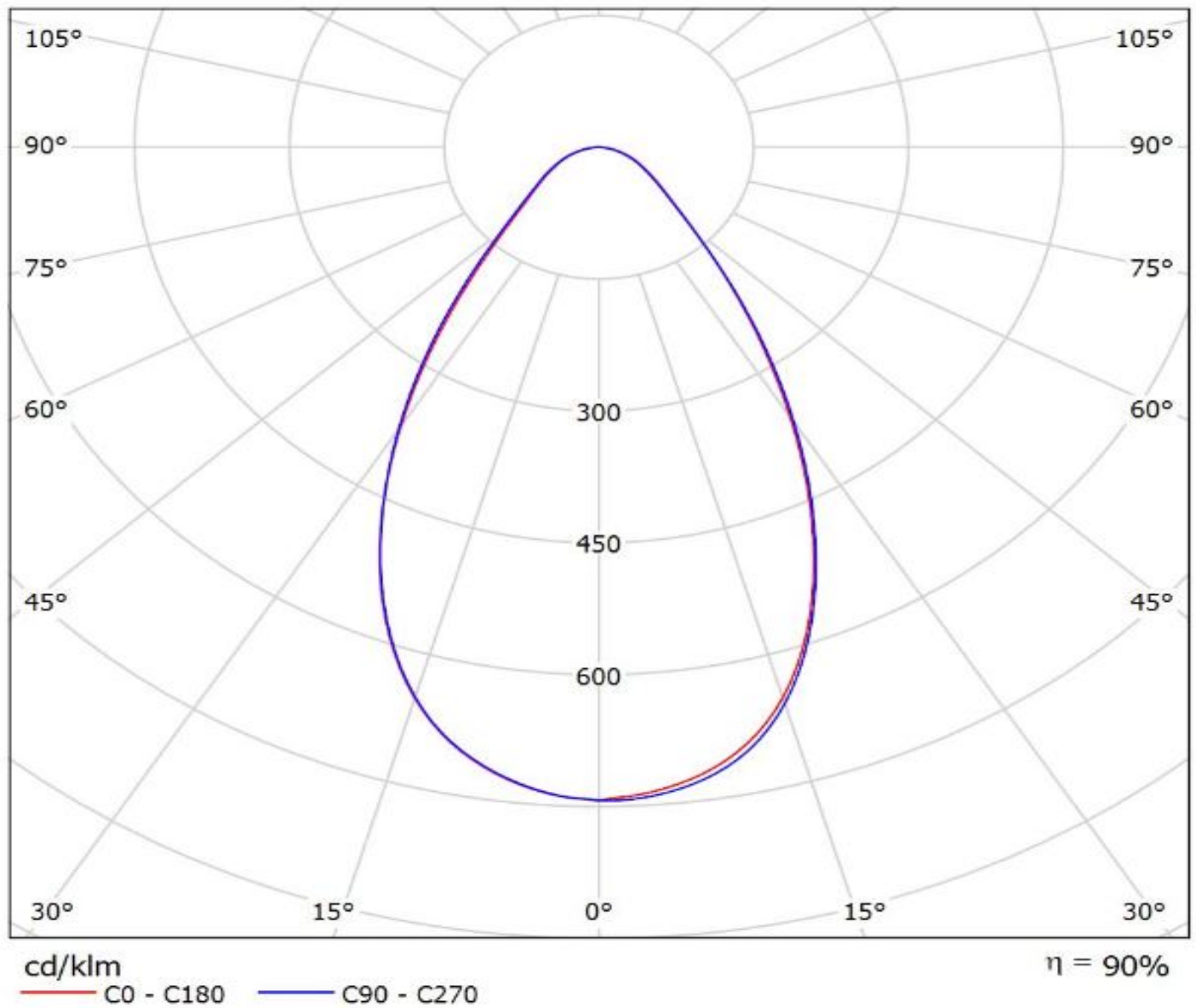




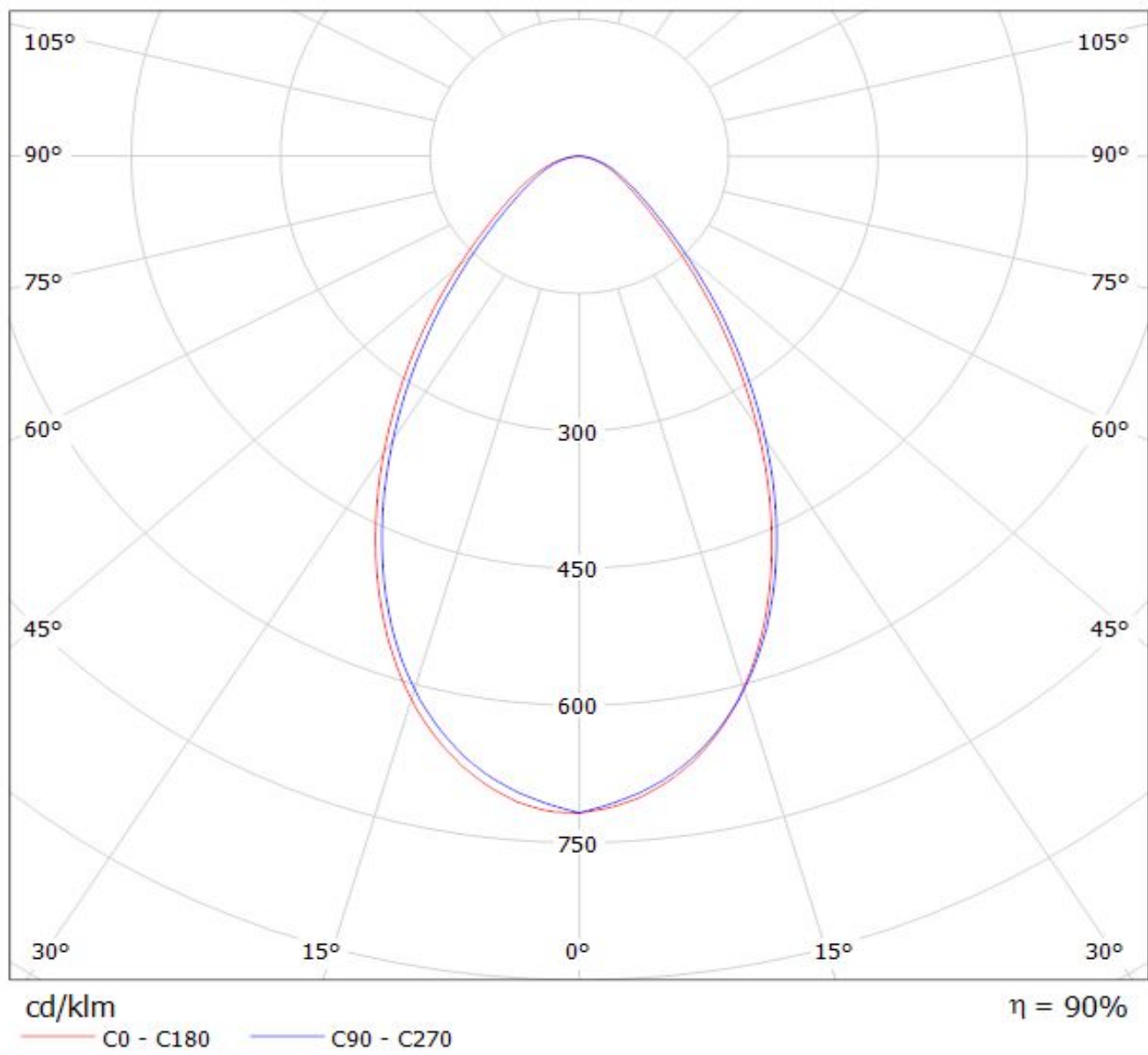
## Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU710) / LDC (Polar)

Luminaire: Ledil CN13990\_SAGA-HB-IP-WHT\_(CLU710)

Lamps: 1 x CITIZEN\_CLU710\_(CLU710-1204B8-273M2G1)\_1210.56lm@250mA\_P=8.5W\_I=0.25A

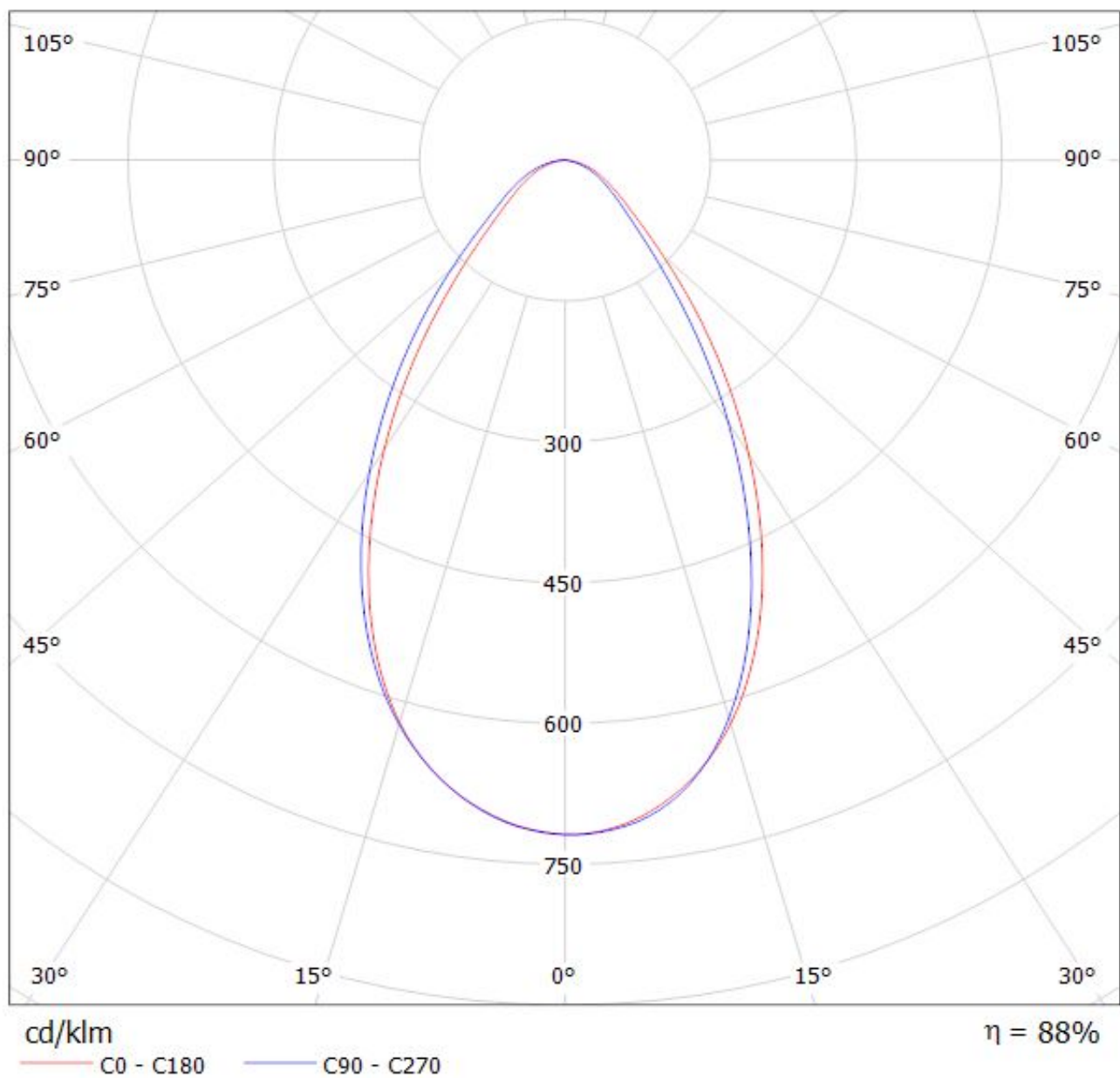


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CXA1816) Eff. 90%  
Lamps: 1 x Cree\_CXA1816\_1049.36lm@250mA\_P=8.6161W\_I=249.8mA



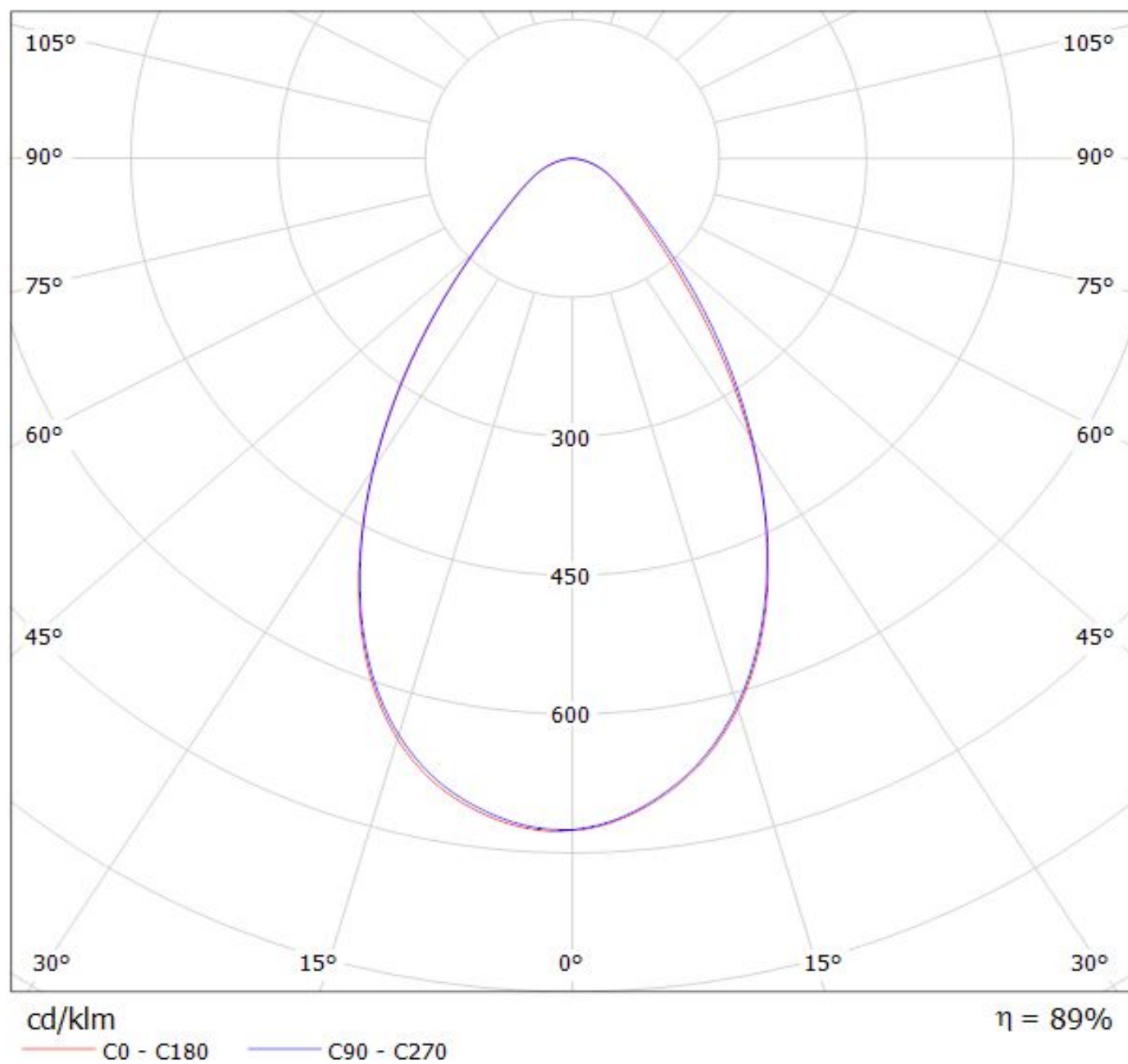


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT  
Lamps: 1 x Luminus\_XNOVA\_CXM-9\_(AA00)\_945.175lm@240mA\_P=8.21232W\_I=240mA

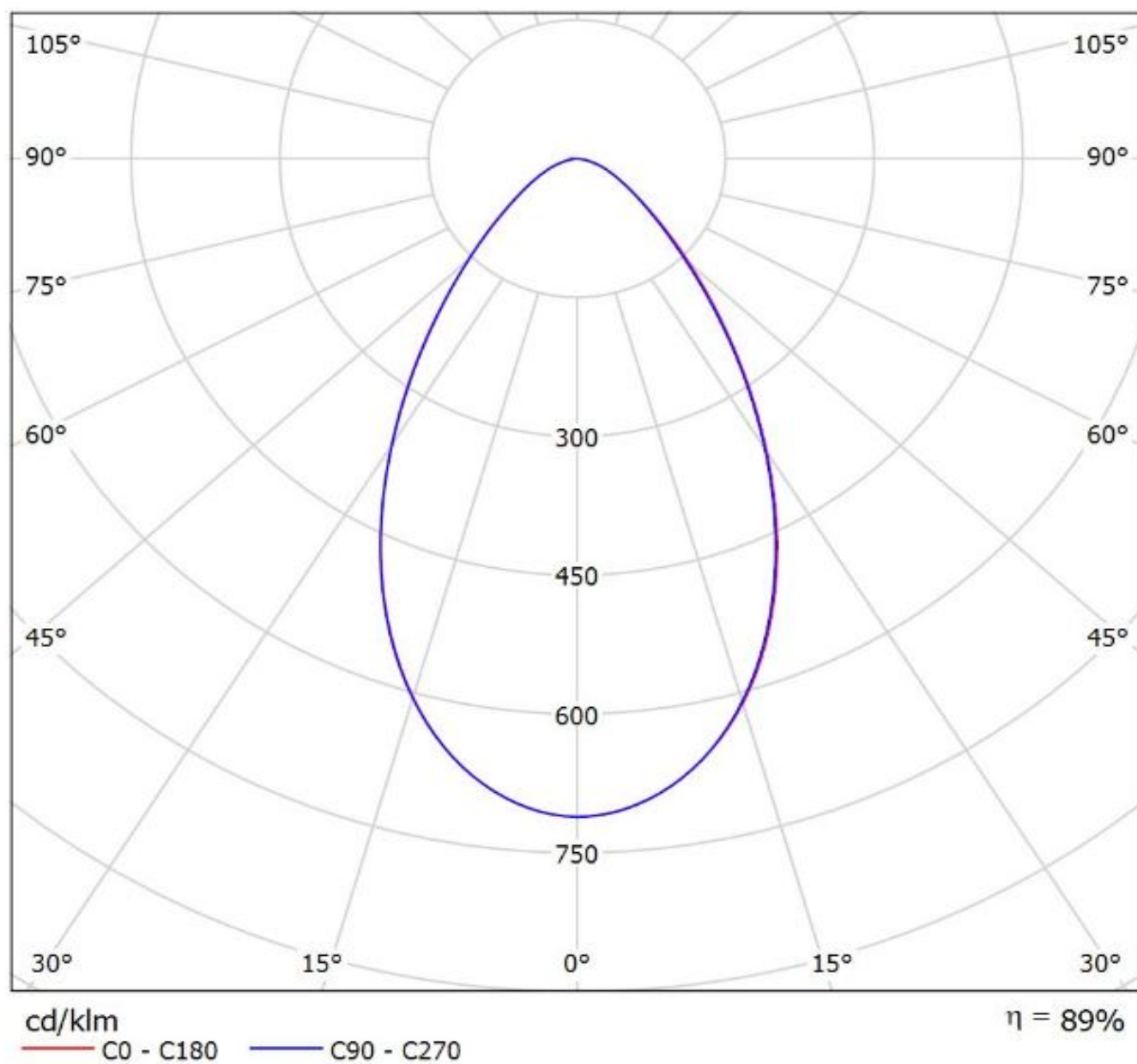


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(LUXEON\_COB-1203)

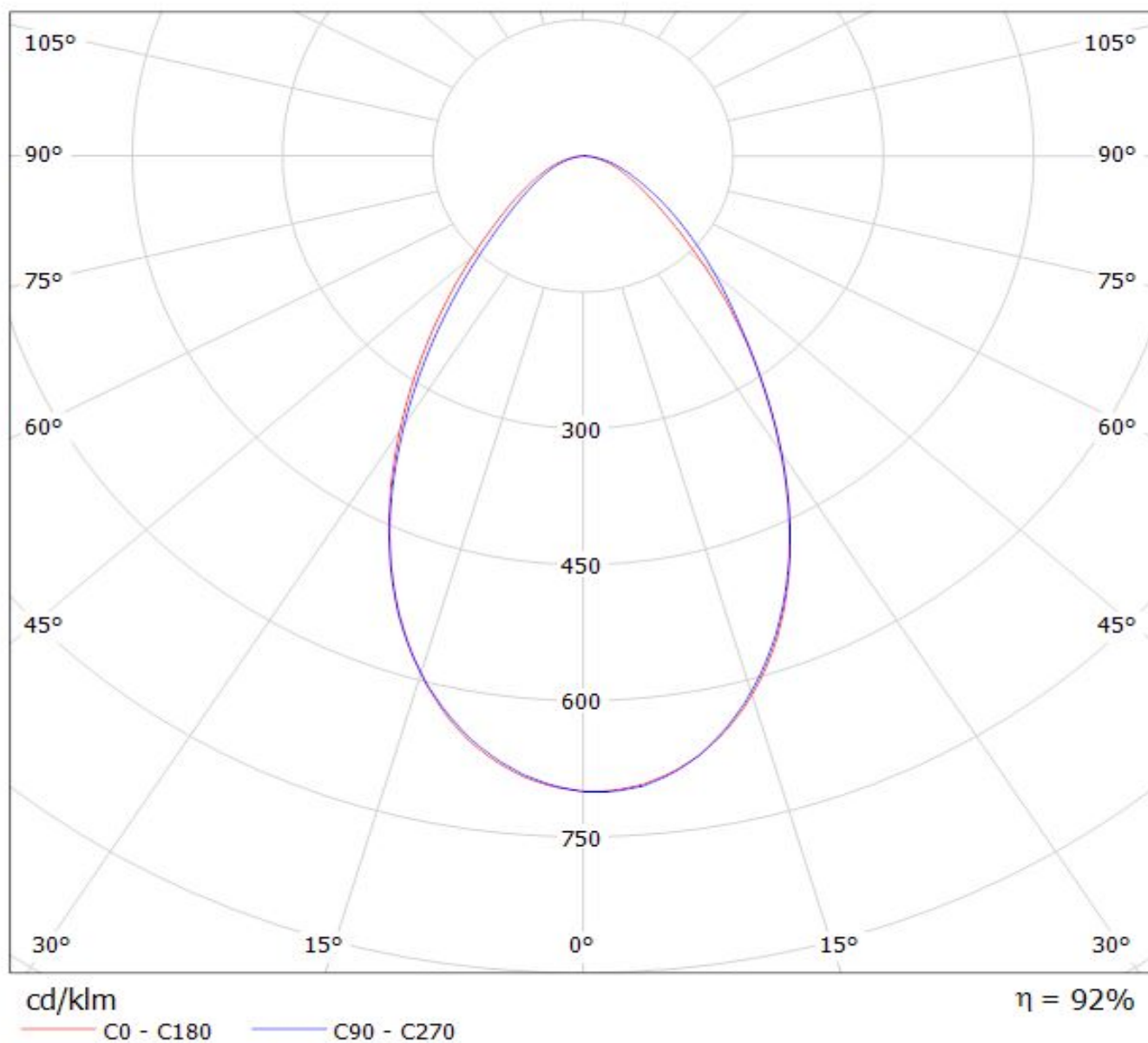
Lamps: 1 x LUXEON\_COB-1203\_(LHC1-3080-1203)\_988.777lm@250mA\_CCT=3000K\_P=8.6W\_I=0.25A



Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(SLE-G5\_LES-15)  
Lamps: 1 x Tridonic\_SLE-G5\_LES-15\_1280.24lm@250mA\_P=8.6273W\_I=0.250A

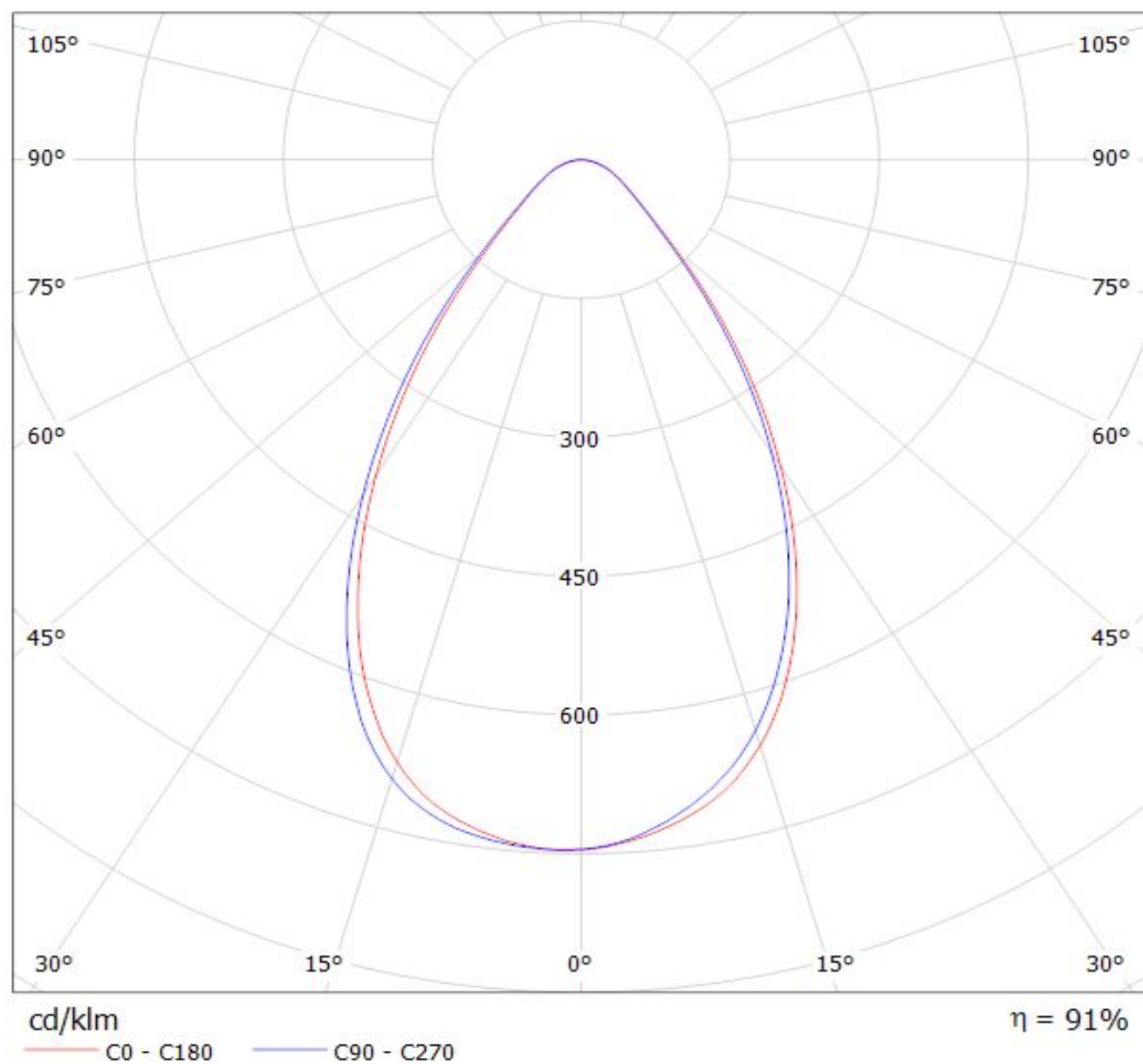


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CLL030-1206A1) Eff.92.0%  
Lamps: 1 x CLL030-1206A1\_(303M1A2)\_802.683lm@250mA\_P=8.76248W\_I=249.8mA

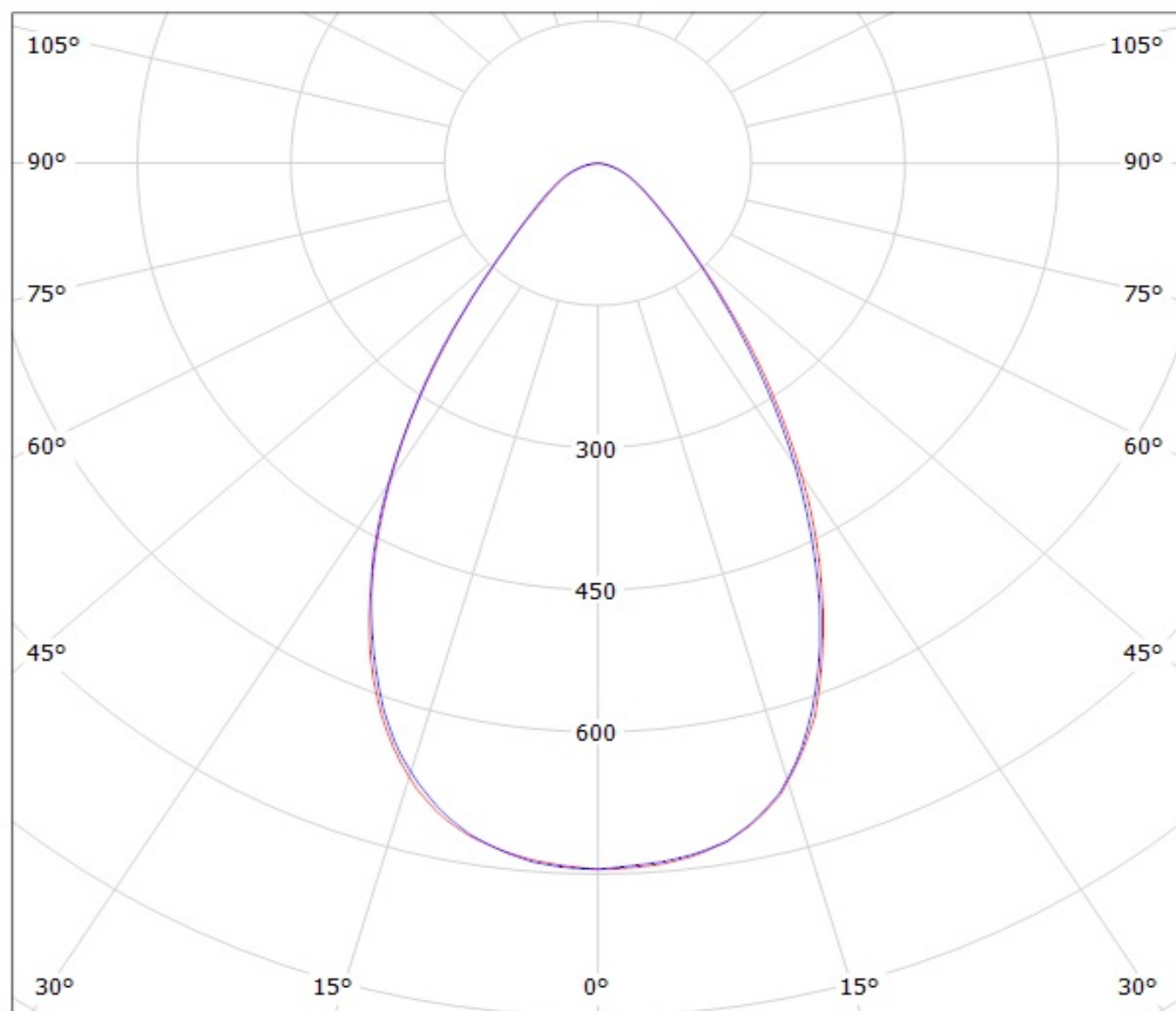


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CXA1507) Eff.91.5%

Lamps: 1 x Cree\_CXA1507\_(CXA1507-30F-F2-N0A-0000) 219.37lm@50mA P=1.68662W I=50.2mA



Luminaire: LEDil Oy CN13990\_SAGA-HB-IP-WHT\_(CXM-7) Efficiency=89%  
Lamps: 1 x Luminus XNOVA CXM-7 (527lm @ 160mA) CCT=2900K P=5.6W I=160mA



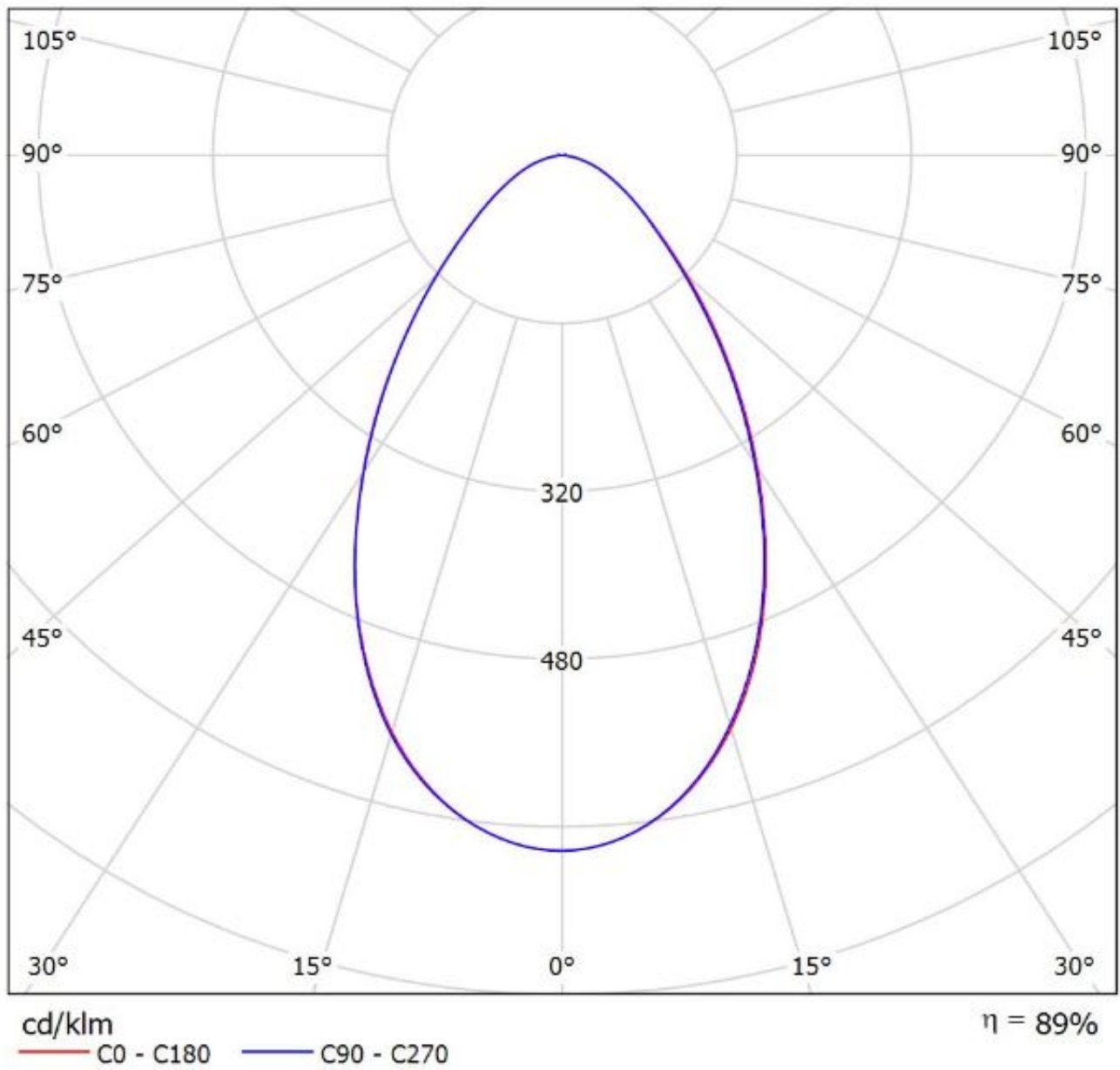
cd/klm

— C0 - C180

— C90 - C270

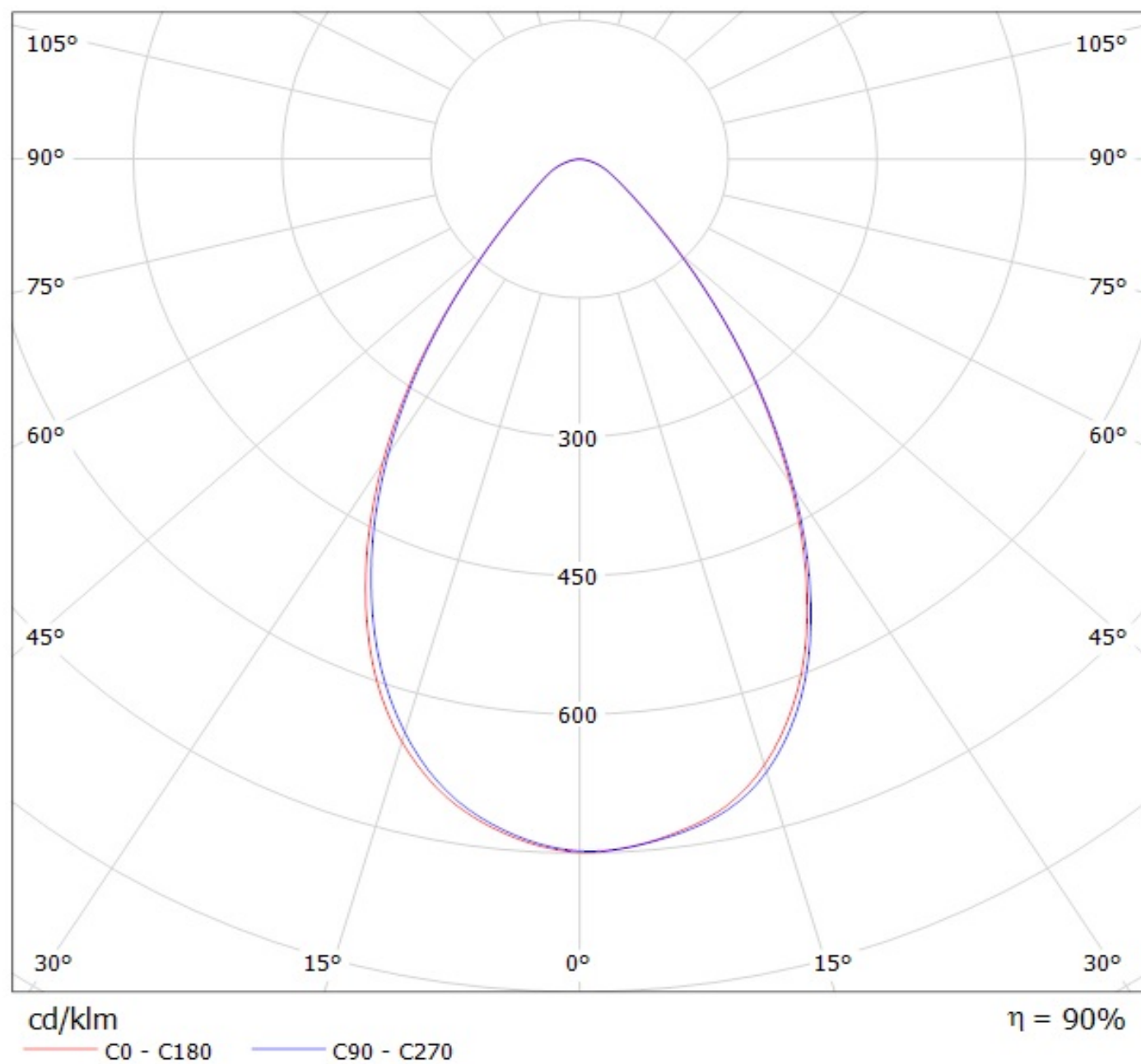


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(SOLERIQ\_P13)  
Lamps: 1 x SOLERIQ\_P13\_(GW\_MAGMB1.EM)\_929.576lm@250mA\_CCT=3500K\_P=8.72876W\_I=249.8mA



Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CXB1507)

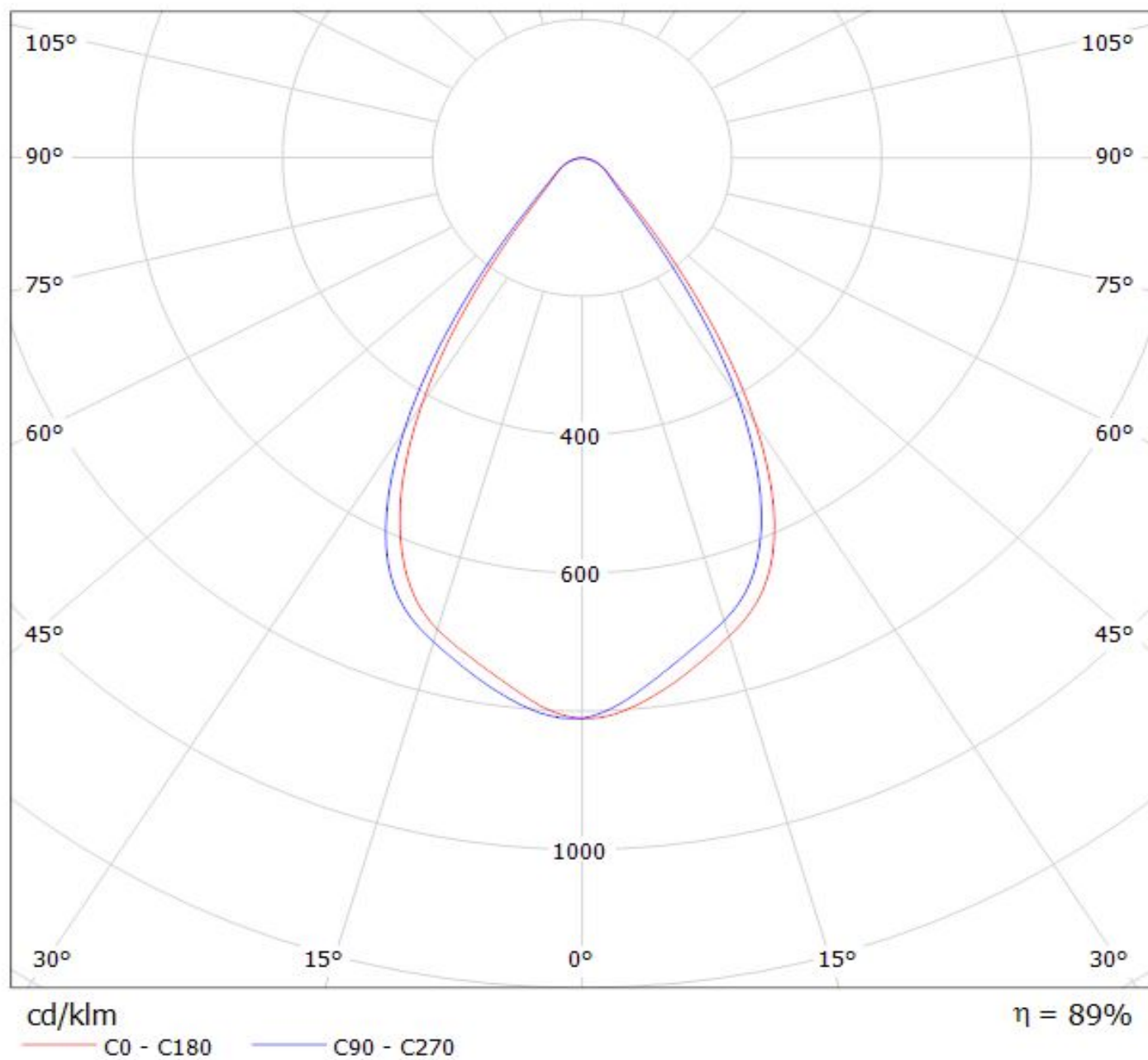
Lamps: 1 x Cree\_CXB1507\_(CXB1507-40G-H4-N0H-00001)\_1114.1lm@250mA\_P=8.64954W\_I=0.2499A



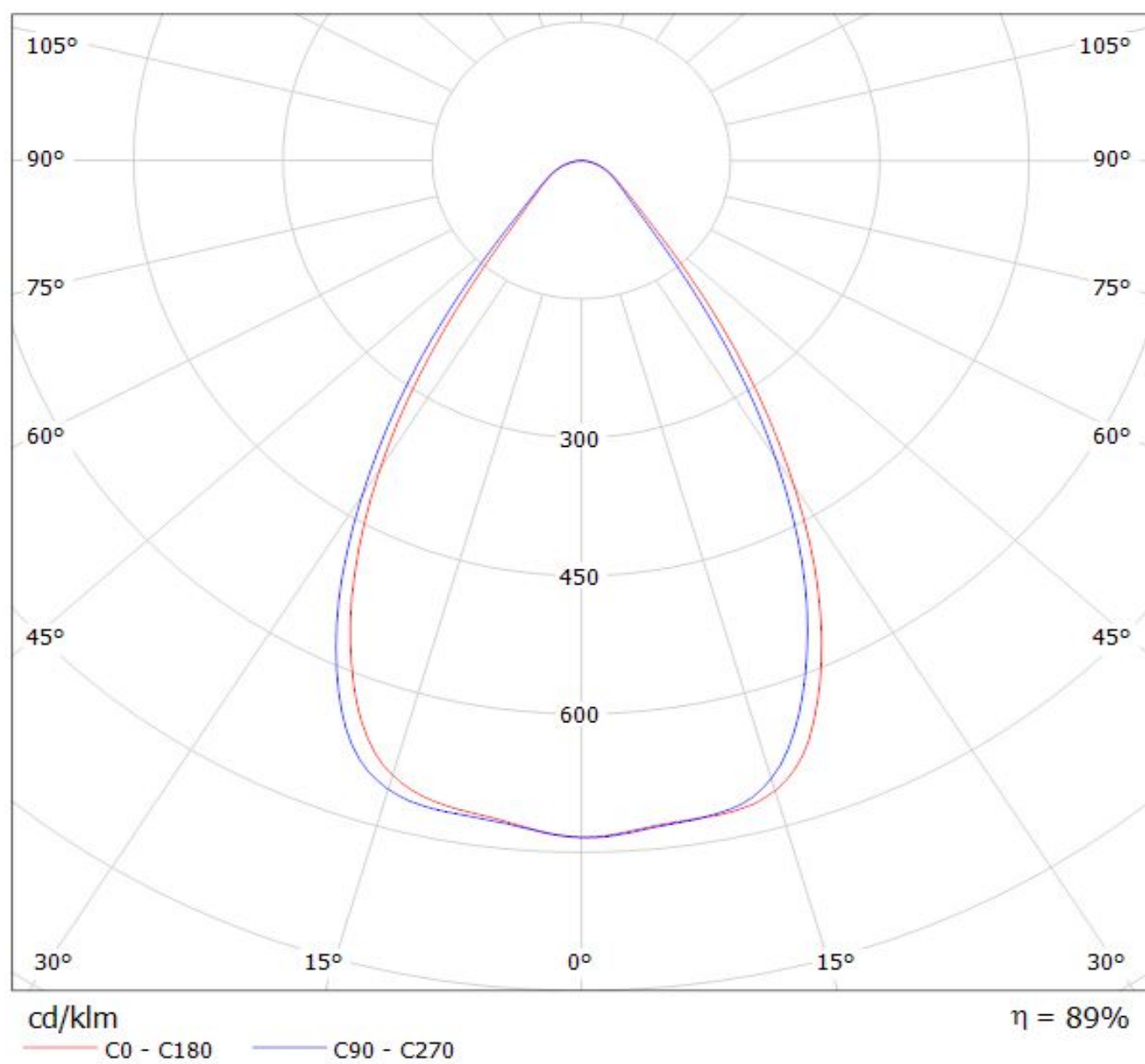


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(SLE-G5\_LES-6)

Lamps: 1 x Tridonic\_SLE-G5\_LES-6\_468.743lm@100mA\_P=3.3717W\_I=0.100A

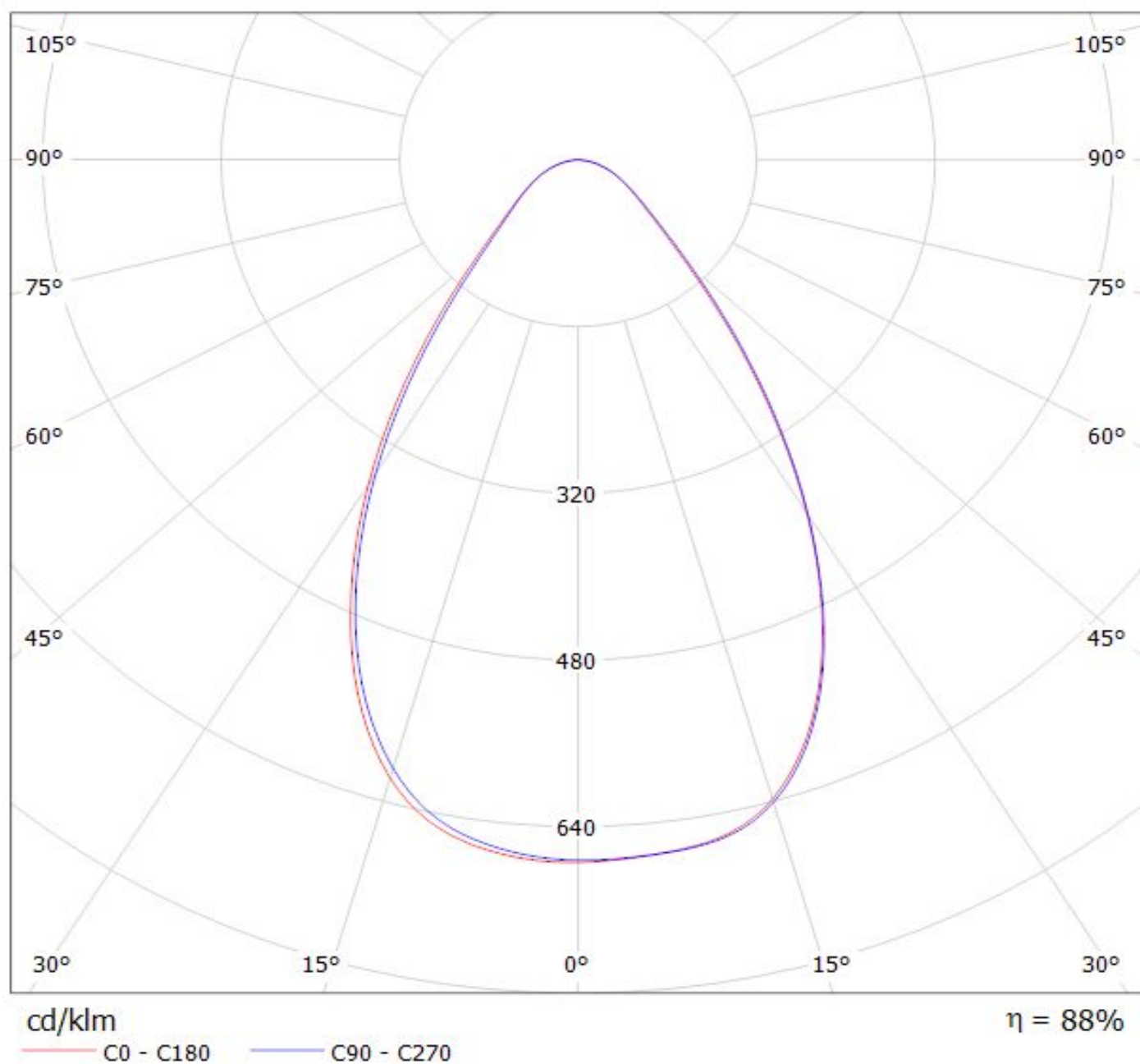


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(Soleriq\_P6) Eff.88.5%  
Lamps: 1 x Osram\_Soleriq\_P6\_(GW\_MAEGB1.EM)  
\_281.545lm@100mA\_CCT=3793K\_P=2.44805W\_I=100.1mA

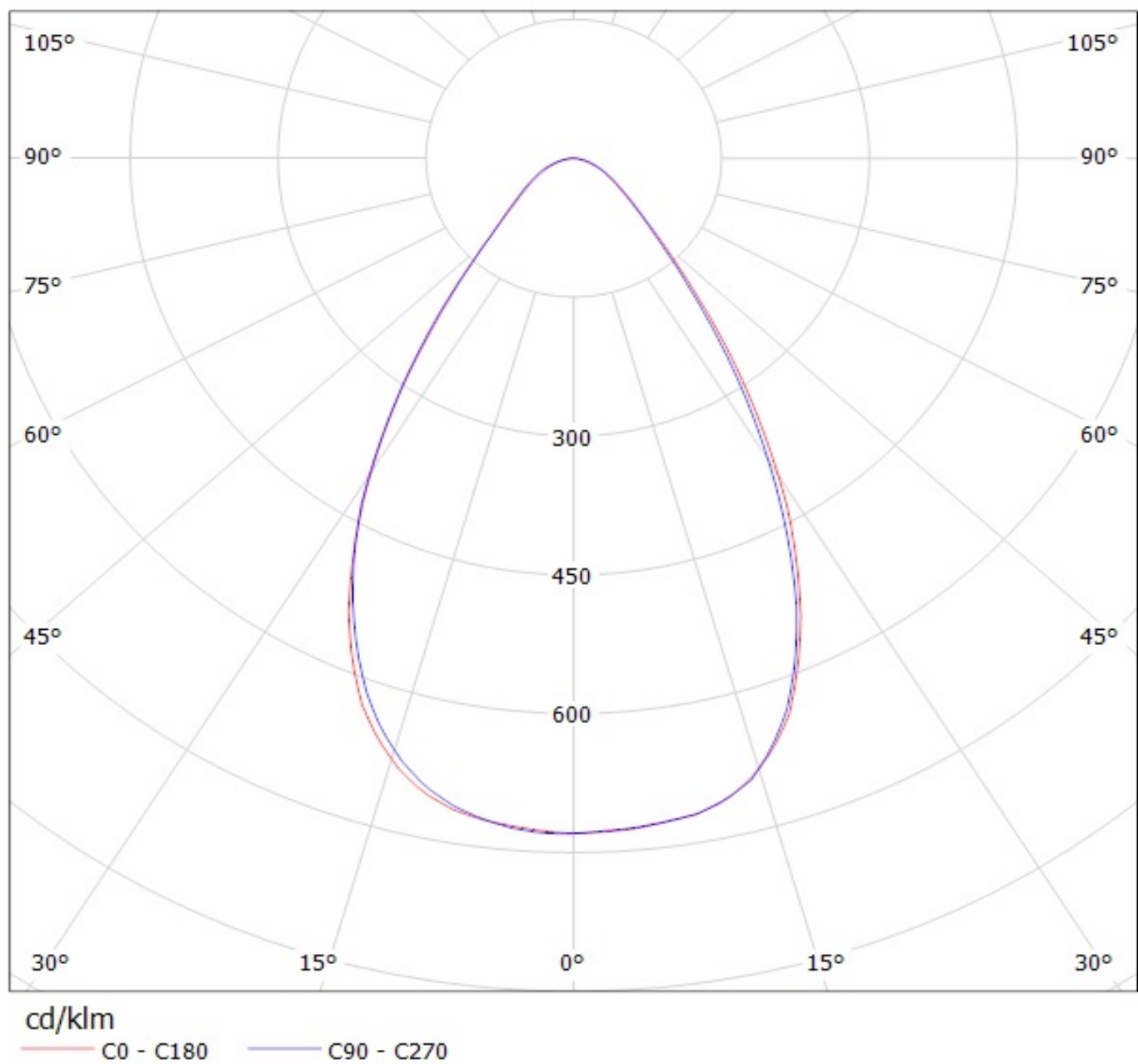


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(V8) Eff.88.1%

Lamps: 1 x BRIDGELUX\_V8\_847.064lm@250mA\_P=8.83692W\_I=249.8mA

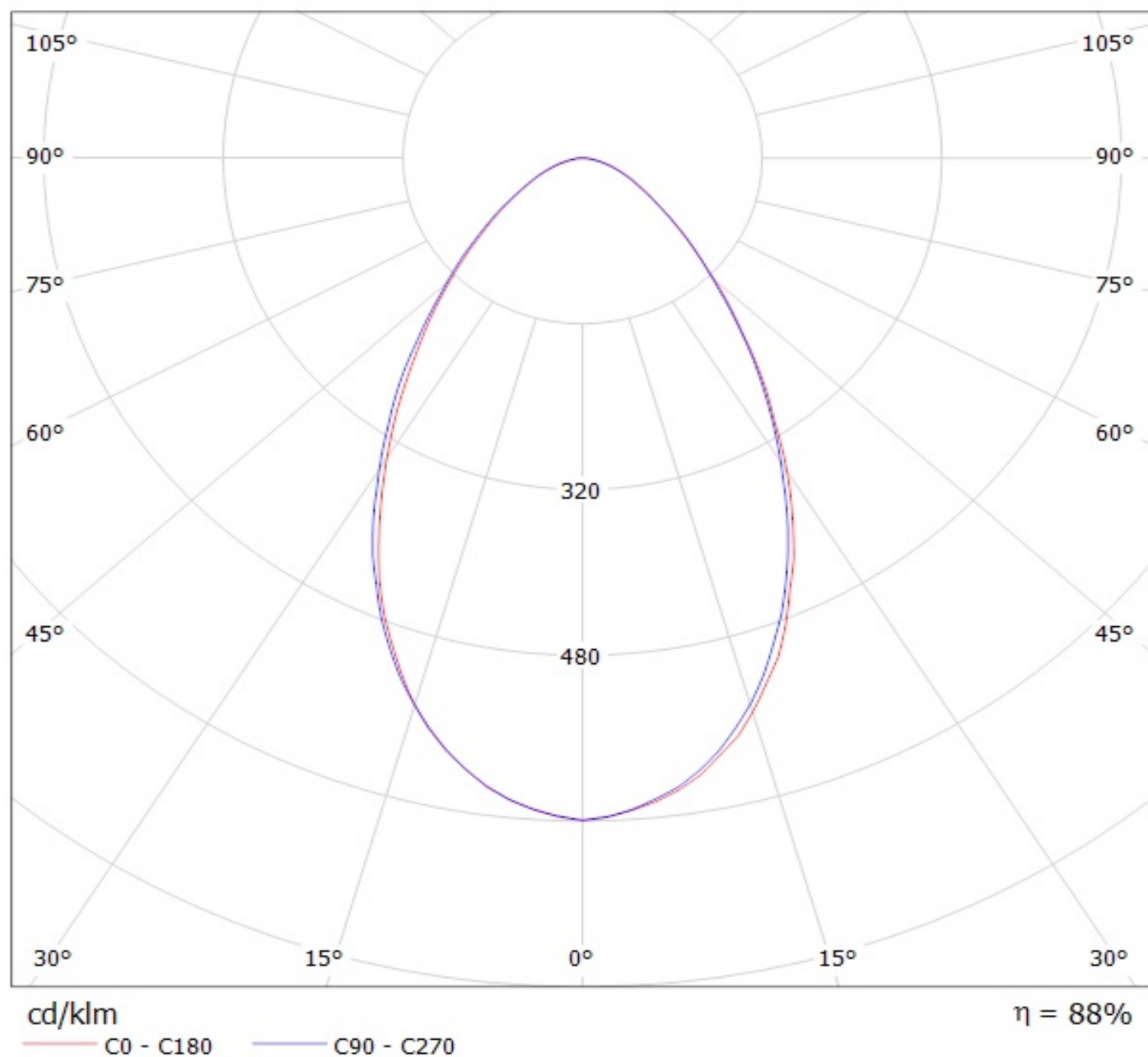


Luminaire: LEDil Oy CN13990\_SAGA-HB-IP-WHT\_(CXM-6) Efficiency=89%  
Lamps: 1 x Luminus XNOVA CXM-6 (438lm @ 120mA) CCT=3200K P=4.2W I=120mA

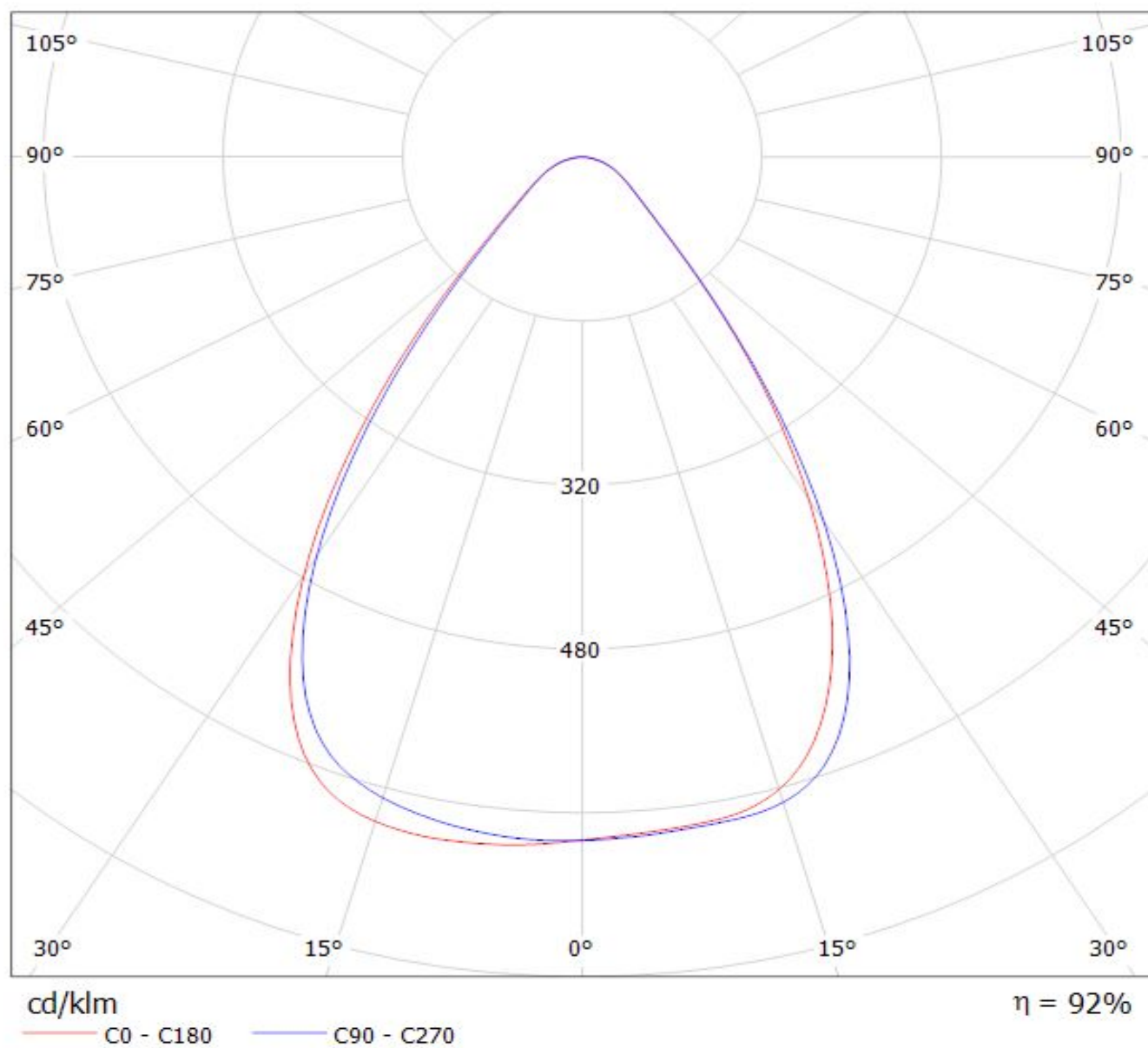


Luminaire: LEDil Oy CN13990\_SAGA-HB-IP-WHT\_(CXM-14)

Lamps: 1 x Luminus CXM-14 (1058.75lm @ 250mA) CCT=3100K P=8.3W I=250mA

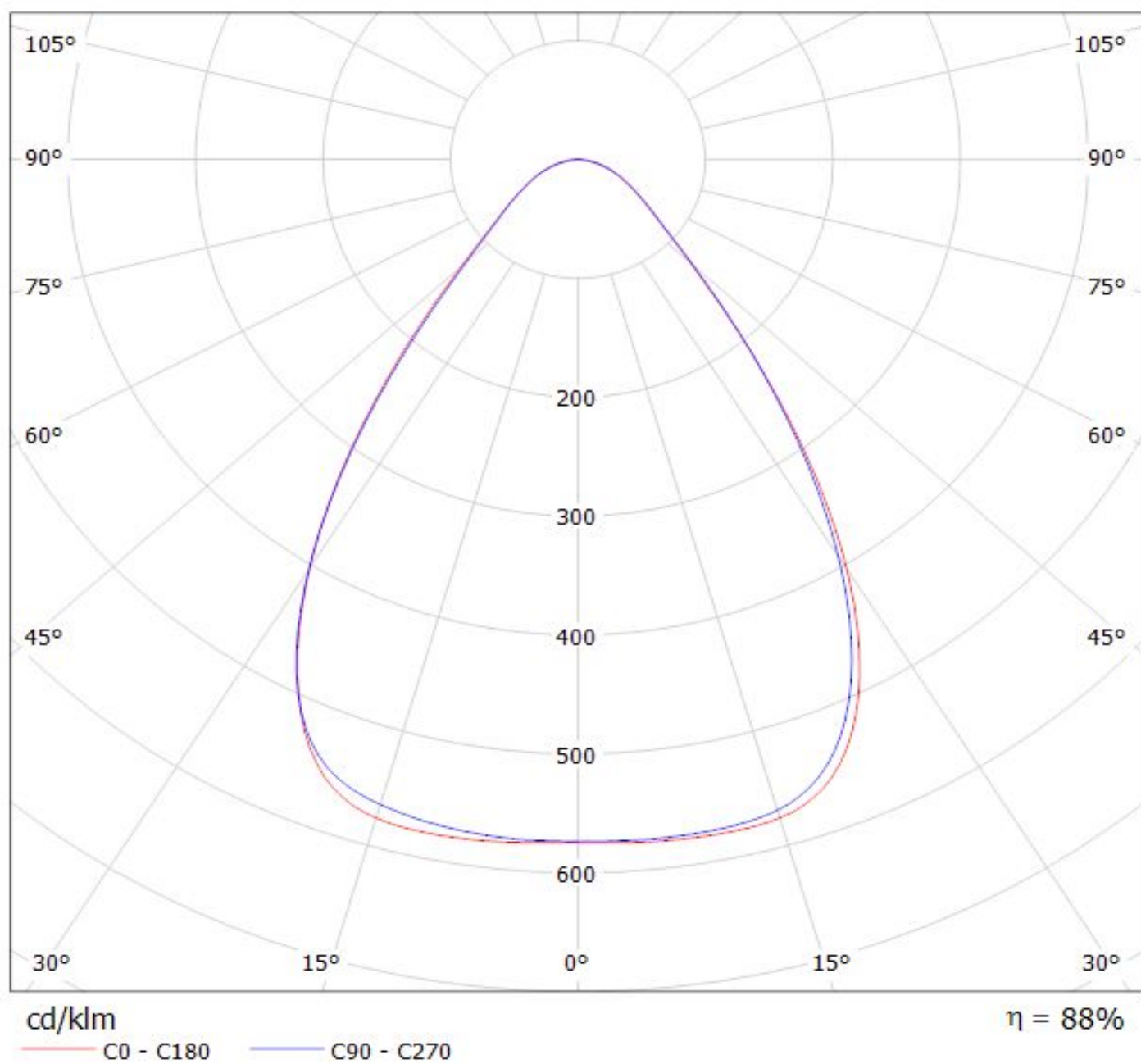


Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(CXA1304\_9V) Eff.91.9%  
Lamps: 1 x CREE\_CXA1304\_9V\_265.569lm@250mA\_P=2.21931W\_I=249.9mA





Luminaire: LEDiL Oy CN13990\_SAGA-HB-IP-WHT\_(V6) Eff.88.1%  
Lamps: 1 x BRIDGELUX\_V6\_488.215lm@250mA\_P=5.22041W\_I=249.9mA



**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.