

DETAILS

Product Number	CN13990_SAGA-HB-IP-WHT
Family	Saga
Type	Assembly
Color	white
Diameter	50 mm
Height	12 mm
Style	round
Optic Material	Silicone
Holder Material	
Fastening	screw
Status	production ready
ROHS Compliant	Yes
Date Updated	29/07/2016



OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
VERO10	58 deg	HighBay	92 %	0.850	-
V10 Gen6	58 deg	HighBay	89 %	0.830	-
V6 Gen6	73 deg	HighBay	88 %	0.600	-
V8 Gen6	66 deg	HighBay	88 %	0.670	-
CLL01x	61 deg	HighBay	92 %	0.840	-
CLL02x/CLU02x (LES10)	58 deg	HighBay	91 %	0.860	-
CLL03x/CLU03x	64 deg	HighBay	92 %	0.700	-
CLU700/701	56 deg	HighBay	87 %	0.900	-
CLU710/711	62 deg	HighBay	90 %	0.700	-
CLU720/721	61 deg	HighBay	89 %	0.730	-
CLL02x/CLU02x (LES10)	47 deg	HighBay	86 %	1.000	Bender Wirth: 434 Typ L6
CLU700/701	46 deg	HighBay	86 %	1.100	Bender Wirth: 434 Typ L6
CLU720/721	50 deg	HighBay	85 %	0.850	Bender Wirth: 433 Typ L6
CLL03x/CLU03x	61 deg	HighBay	84 %	0.610	Bender Wirth: 433 Typ L6
CXA/B 13xx	70 deg	HighBay	92 %	0.680	-
CXA/B 1816 & CXA/B 1820 & CXA 1850	63 deg	HighBay	90 %	0.730	-
CXA/B 15xx	64 deg	HighBay	92 %	0.750	-
MHD-E/G	60 deg	HighBay	90 %	0.780	-
CXA/B 15xx	64 deg	HighBay	90 %	0.750	-
LUXEON CoB 1202s	67 deg	HighBay	90 %	0.700	-
LUXEON CoB 1202/1203	63 deg	HighBay	89 %	0.730	-
LUXEON CoB Compact	sim: 67	HighBay	sim: 90 %	sim: 0.700	-
CXM-9	63 deg	HighBay	88 %	0.720	-
CXM-6	66 deg	HighBay	89 %	0.730	-
CXM-7	64 deg	HighBay	89 %	0.750	-



PRODUCT DATASHEET

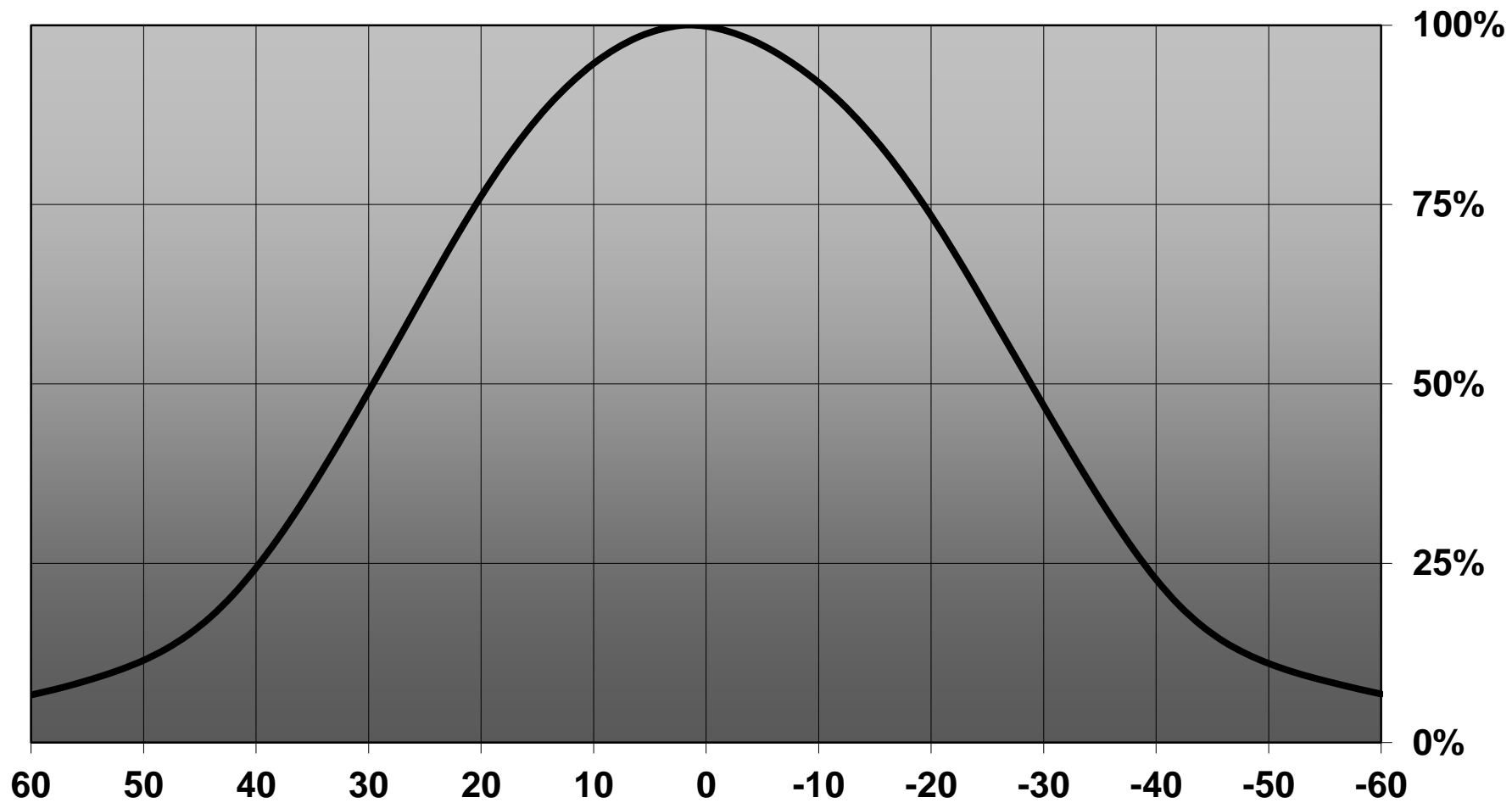
Saga series

last update 29/7/2016

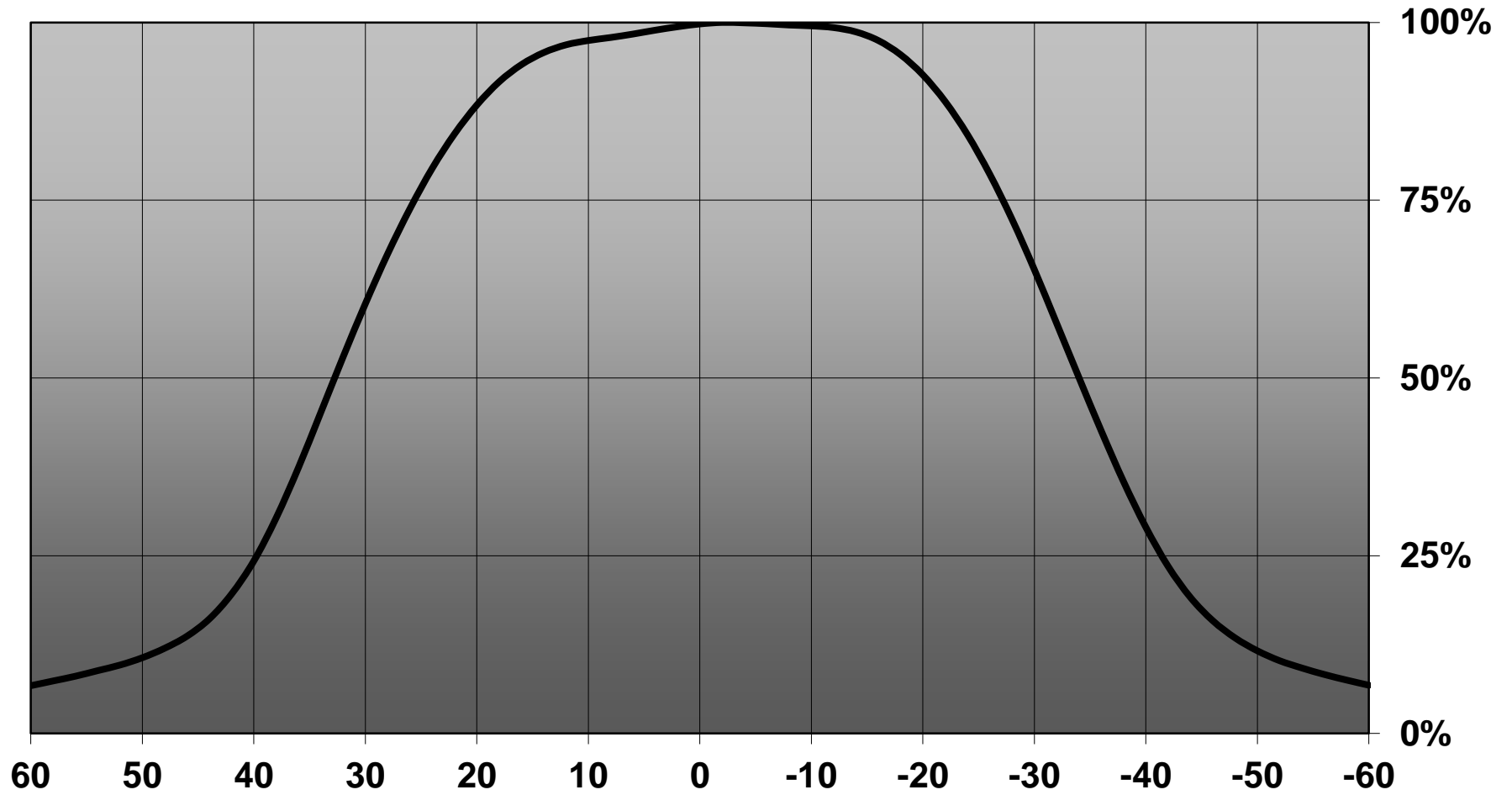
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
CXM-14	66 deg	HighBay	88 %	0.640	-
CXM-14	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
Soleriq S13	61 deg	HighBay	91 %	0.800	-
Soleriq P9	58 deg	HighBay	90 %	0.840	-
Soleriq P6	65 deg	HighBay	89 %	0.840	-
Soleriq P13	64 deg	HighBay	89 %	0.660	-
Duris S10	74 deg	HighBay	91 %	0.670	-
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
ZC12/18	sim: 61	HighBay	sim: 84 %	sim: 0.610	Bender Wirth: 433 Typ L6
ZC4/6	sim: 47	HighBay	sim: 86 %	sim: 1.000	Bender Wirth: 434 Typ L6
MJT COB LES 6	46 deg	HighBay	87 %	1.100	Bender Wirth: 434 Typ L6
Mini Zenigata (GW6BM)	62 deg	HighBay	92 %	0.800	-
SLE G5 LES15	63 deg	HighBay	90 %	0.700	-
SLE G5 LES6	64 deg	HighBay	89 %	0.800	-

Relative intensity of CN13990_SAGA-HB-IP-WHT_(V10)

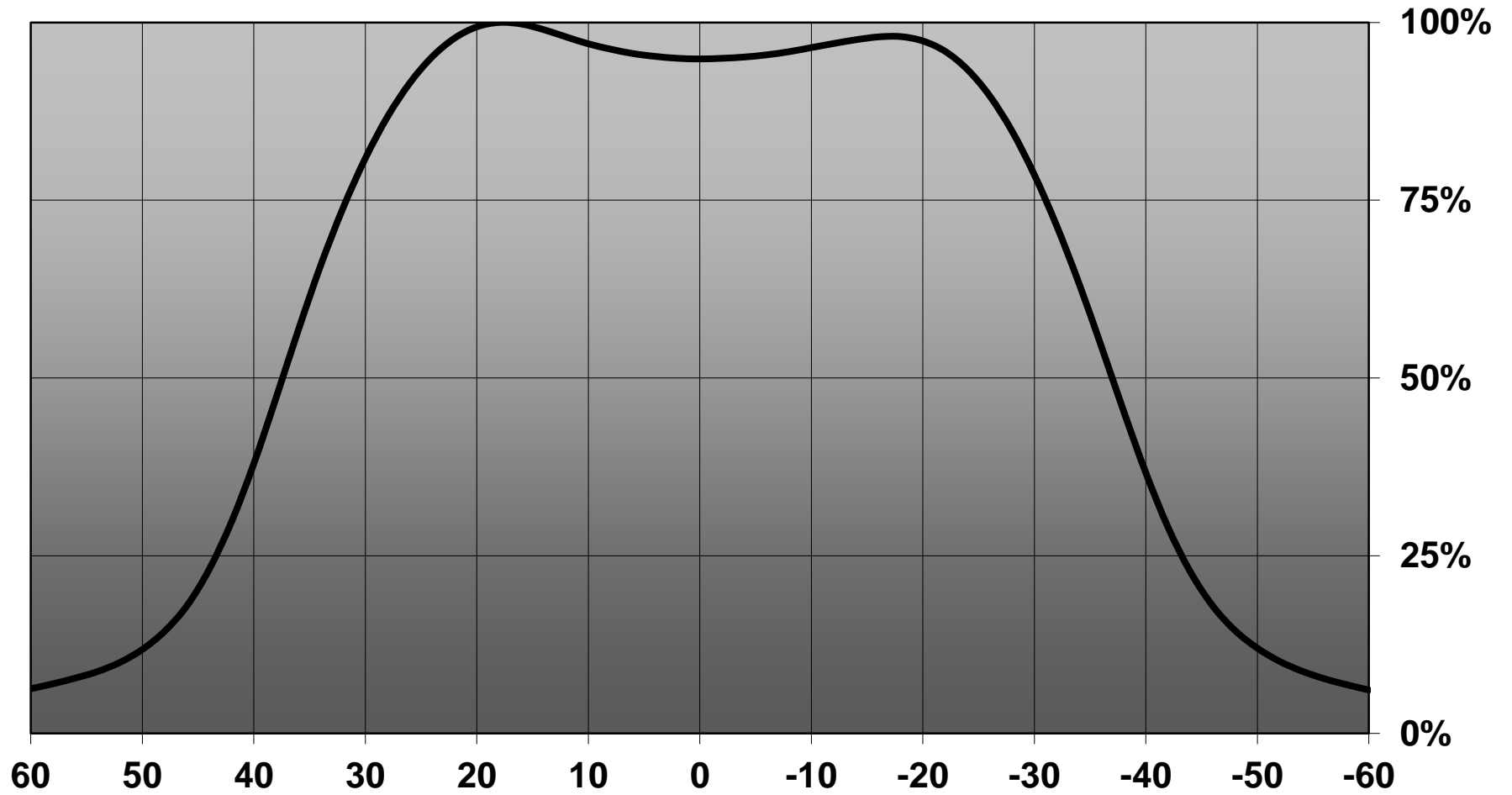


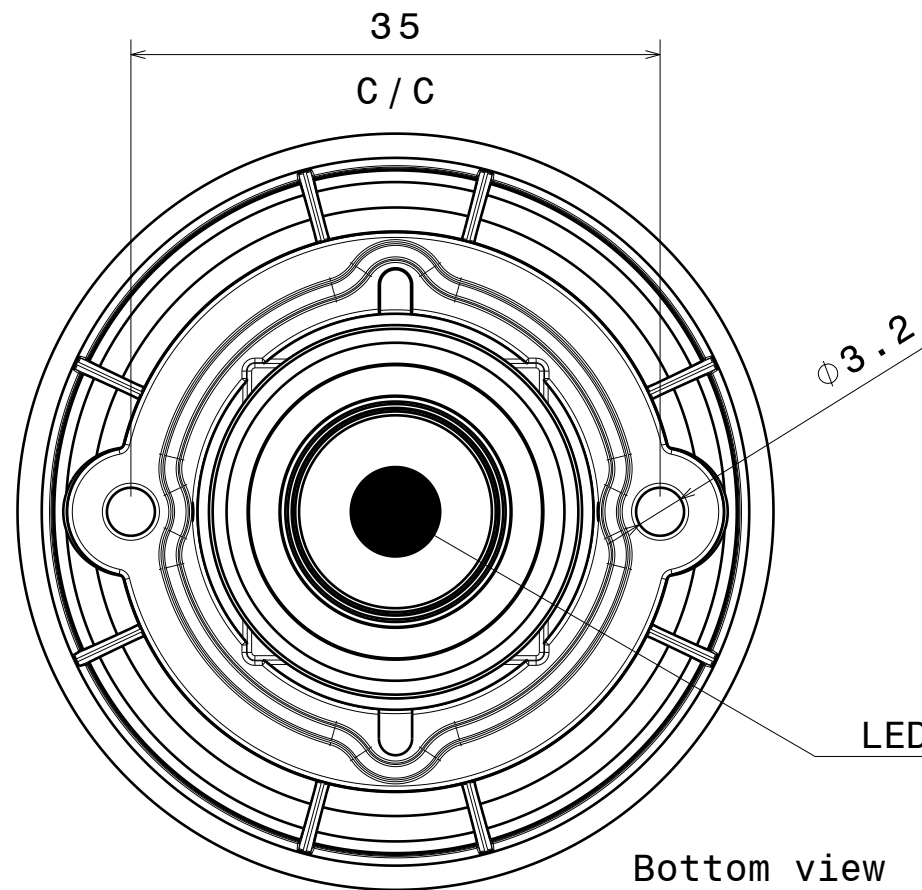
Relative intensity of CN13990_SAGA-HB-IP-WHT_(Luxeon_CoB_mini)



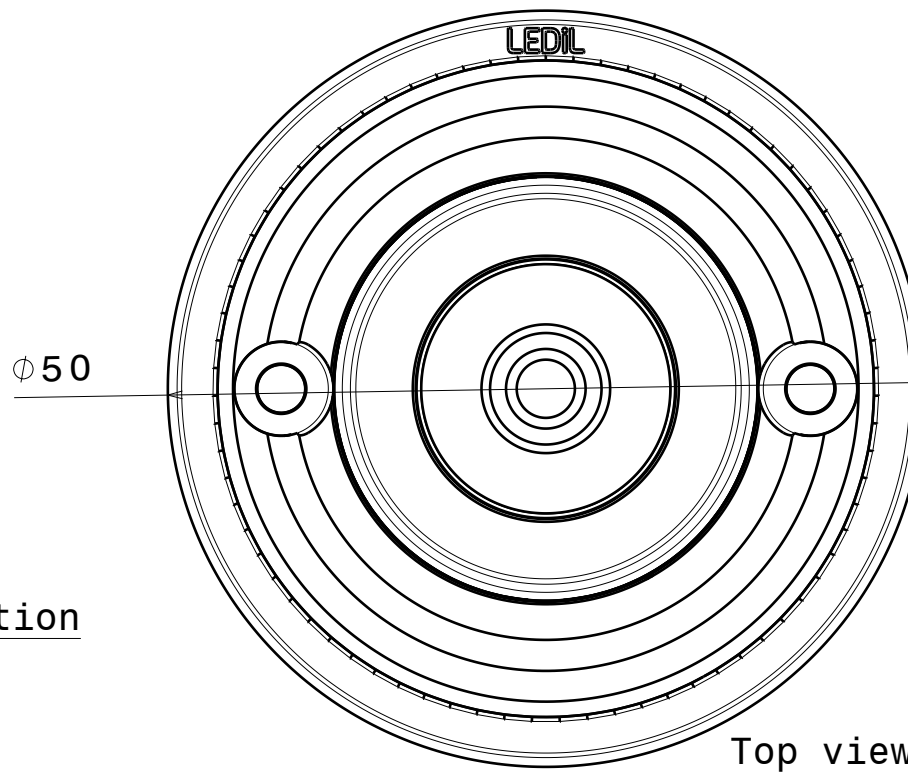
— 1: 0-180

Relative intensity of CN13990_SAGA-HB-IP-WHT_(Duris_S10)

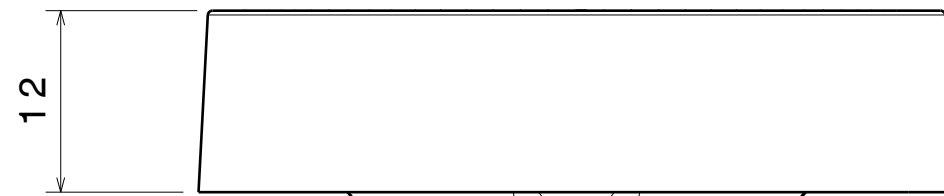




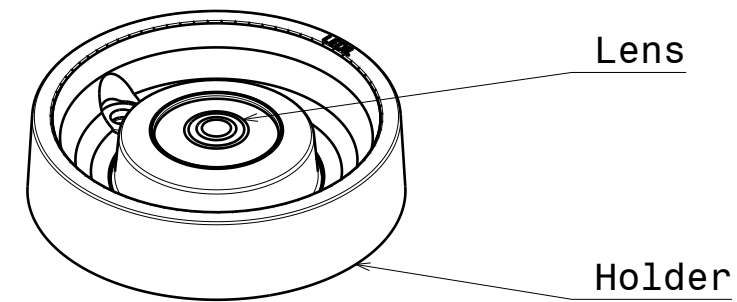
Bottom view
Scale: 2:1



Top view
Scale: 2:1



Front view
Scale: 2:1



Isometric view
Scale: 1:1

NOTES:
Maximum recommended tightening torque for SAGA-FRAME is 0,4Nm
The final IP-rating is dependant of the whole luminaire design and some solutions may need additional potting or covering elements in order to achieve desired level of protection. To achieve fully sealed protection LEDiL recommends to fasten SAGA holder directly on the heatsink.

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 LediL Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

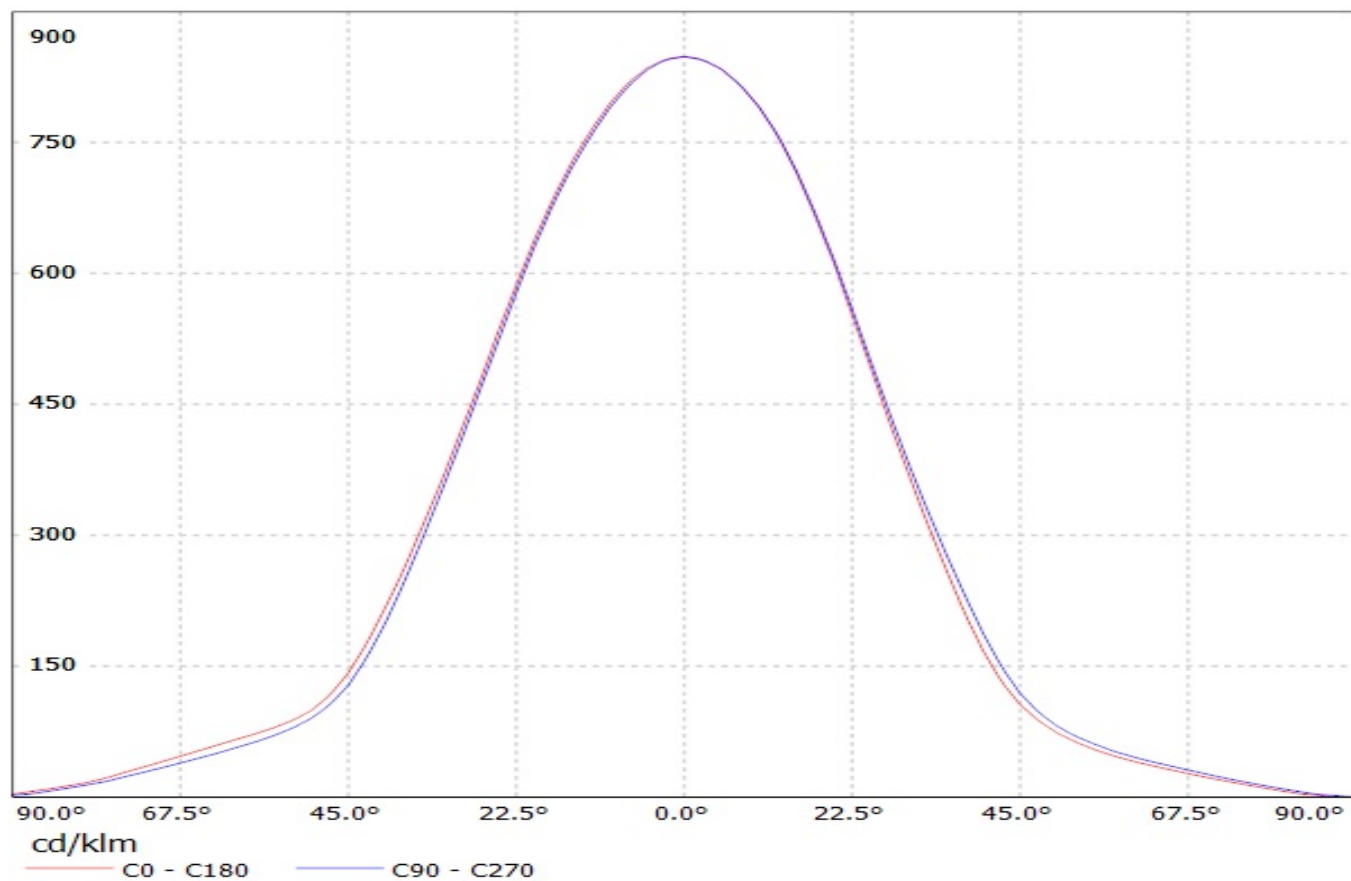
DRAWING TITLE
CN13990_SAGA-HB-IP-WHT

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

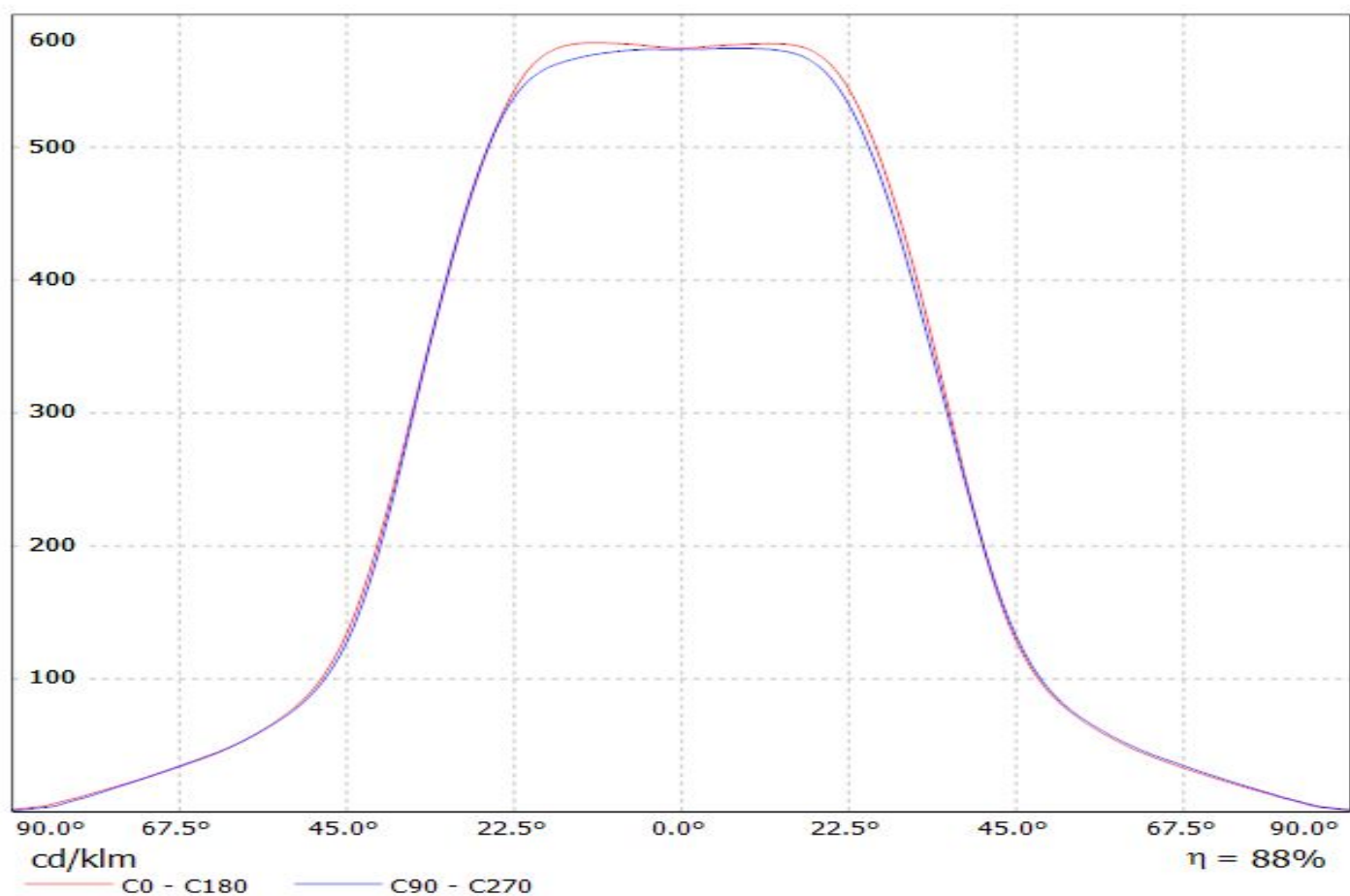
SIZE	PART NUMBER
A3	CN13990

SCALE	2:1	WEIGHT	-	SHEET	1/1
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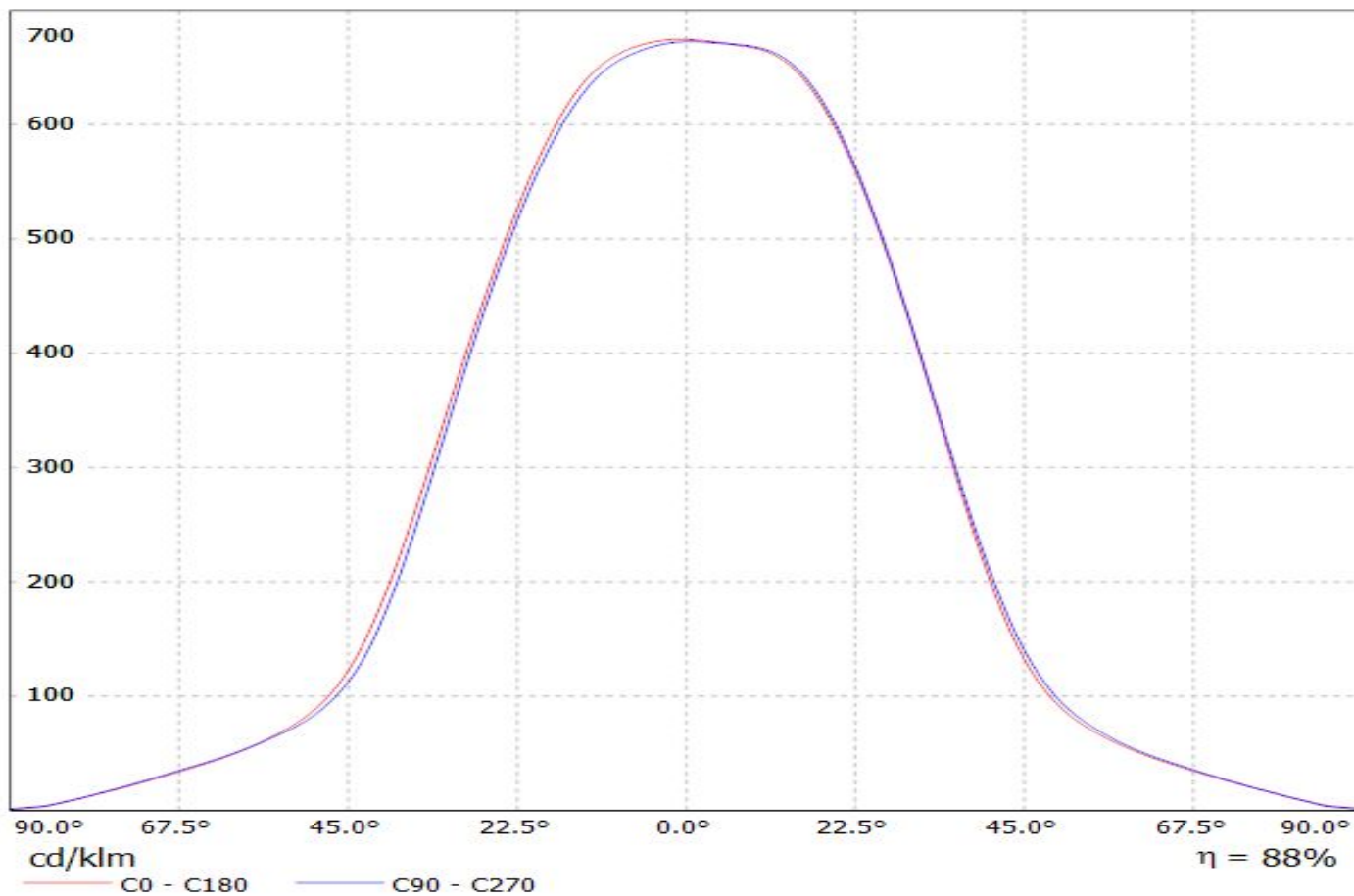
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(VERO10) Eff.92%
Lamps: 1 x VERO10_(BXRC-30E1000B)_625lm@250mA_CCT=3000K_P=6.18827W_I=249.9mA



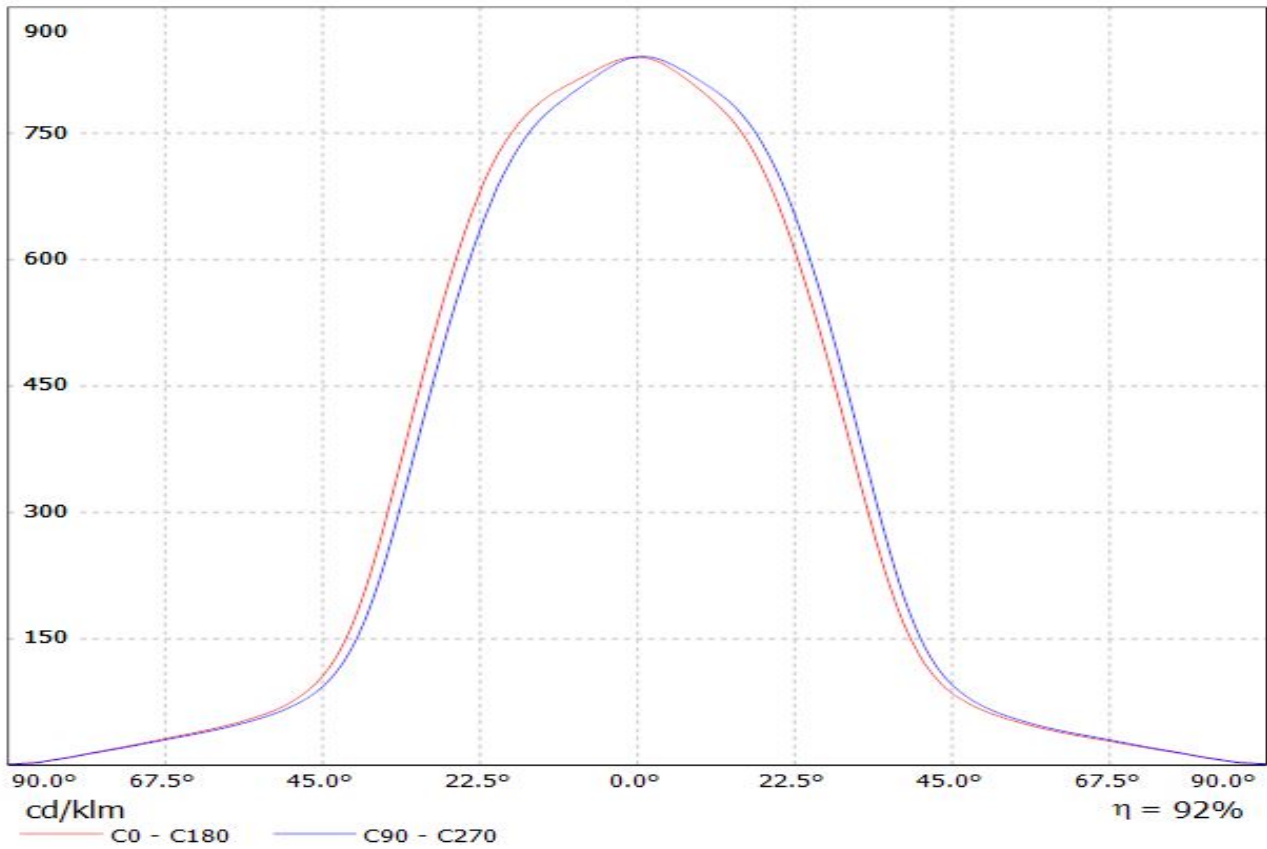
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(V6) Eff.88.1%
Lamps: 1 x BRIDGELUX_V6_488.215lm@250mA_P=5.22041W_I=249.9mA



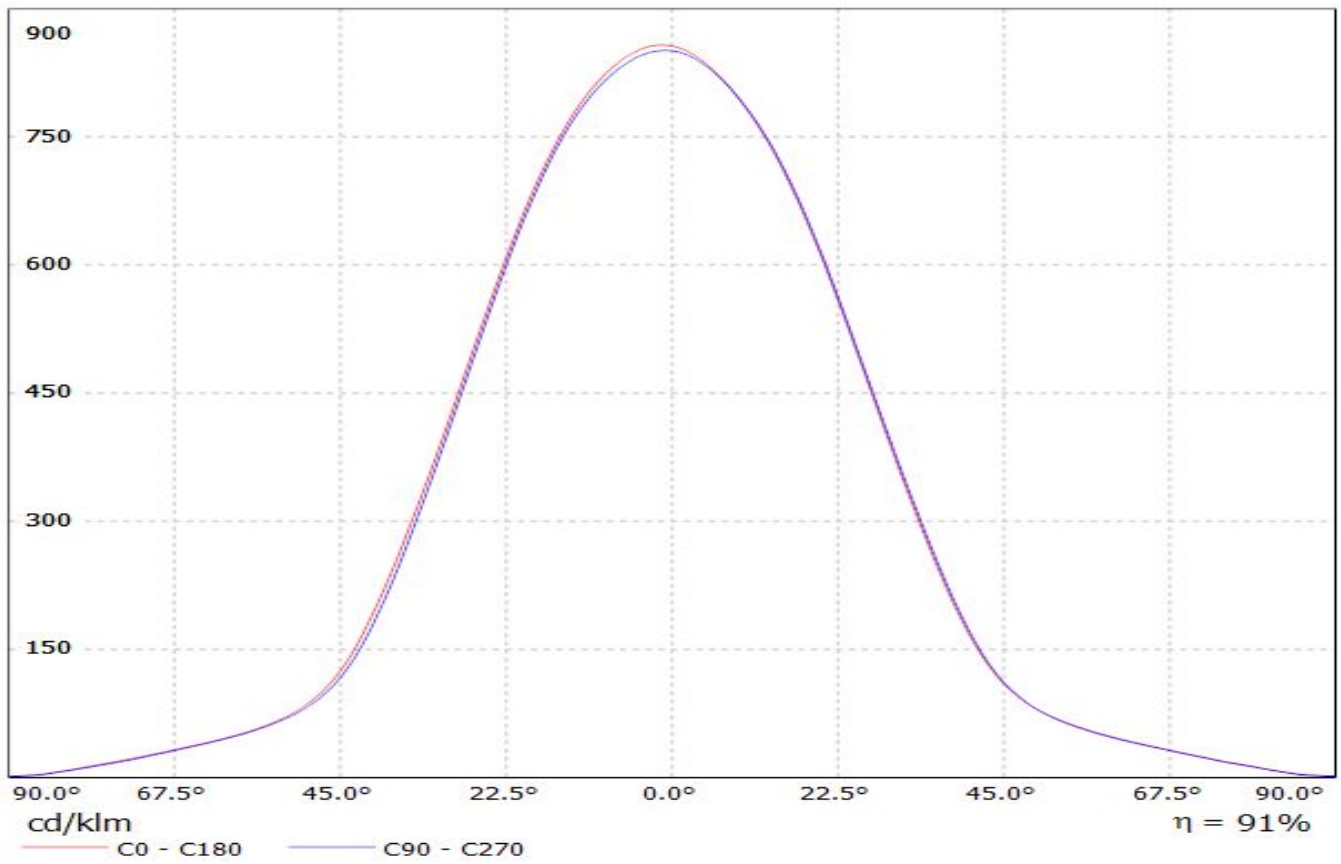
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(V8) Eff.88.1%
Lamps: 1 x BRIDGELUX_V8_847.064lm@250mA_P=8.83692W_I=249.8mA



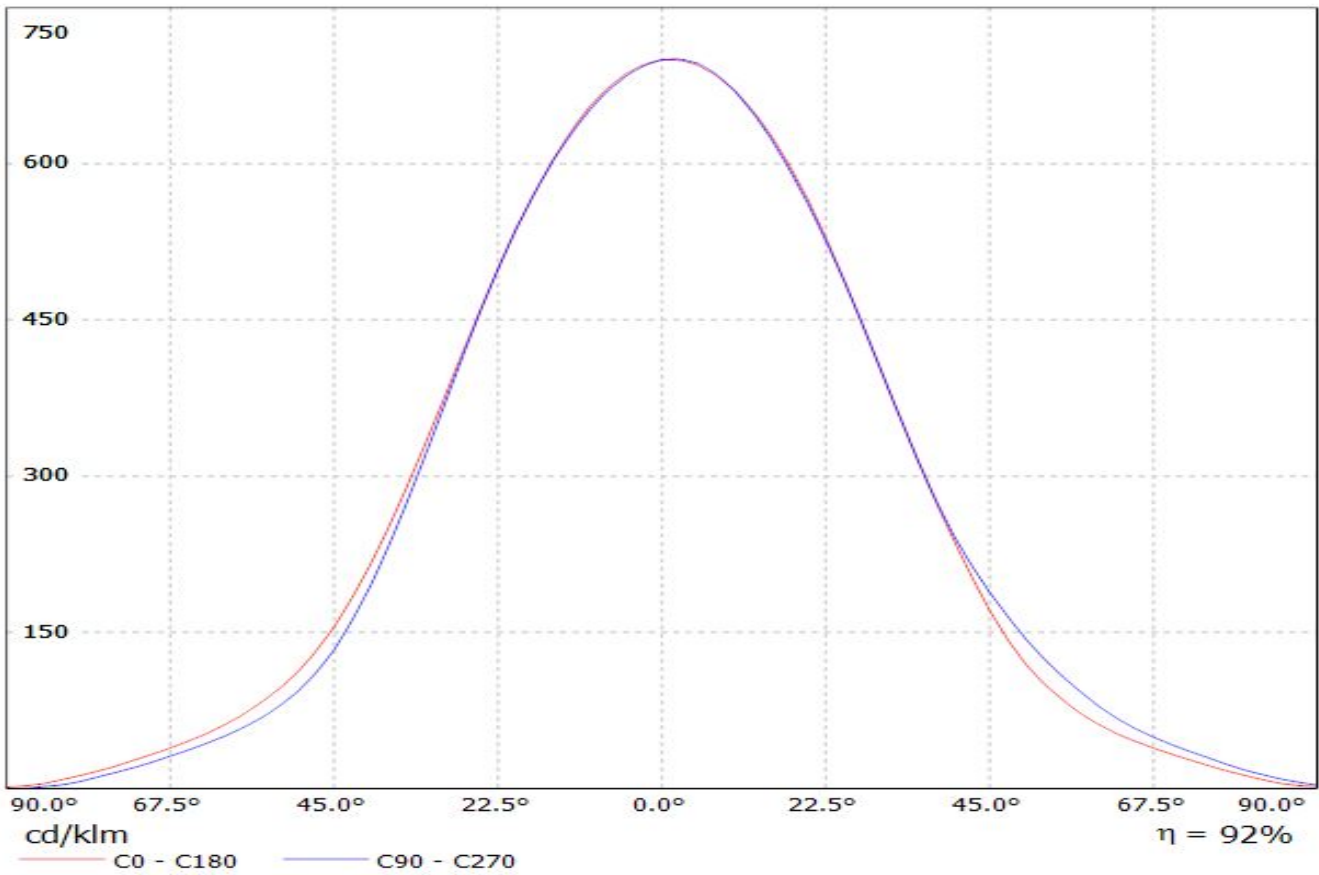
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(CLL010)_2 Eff.91.5%
Lamps: 1 x CITIZEN_CLL010-0305A1-303M1A2_205.695lm@250mA_P=2.27208W_I=249.8mA



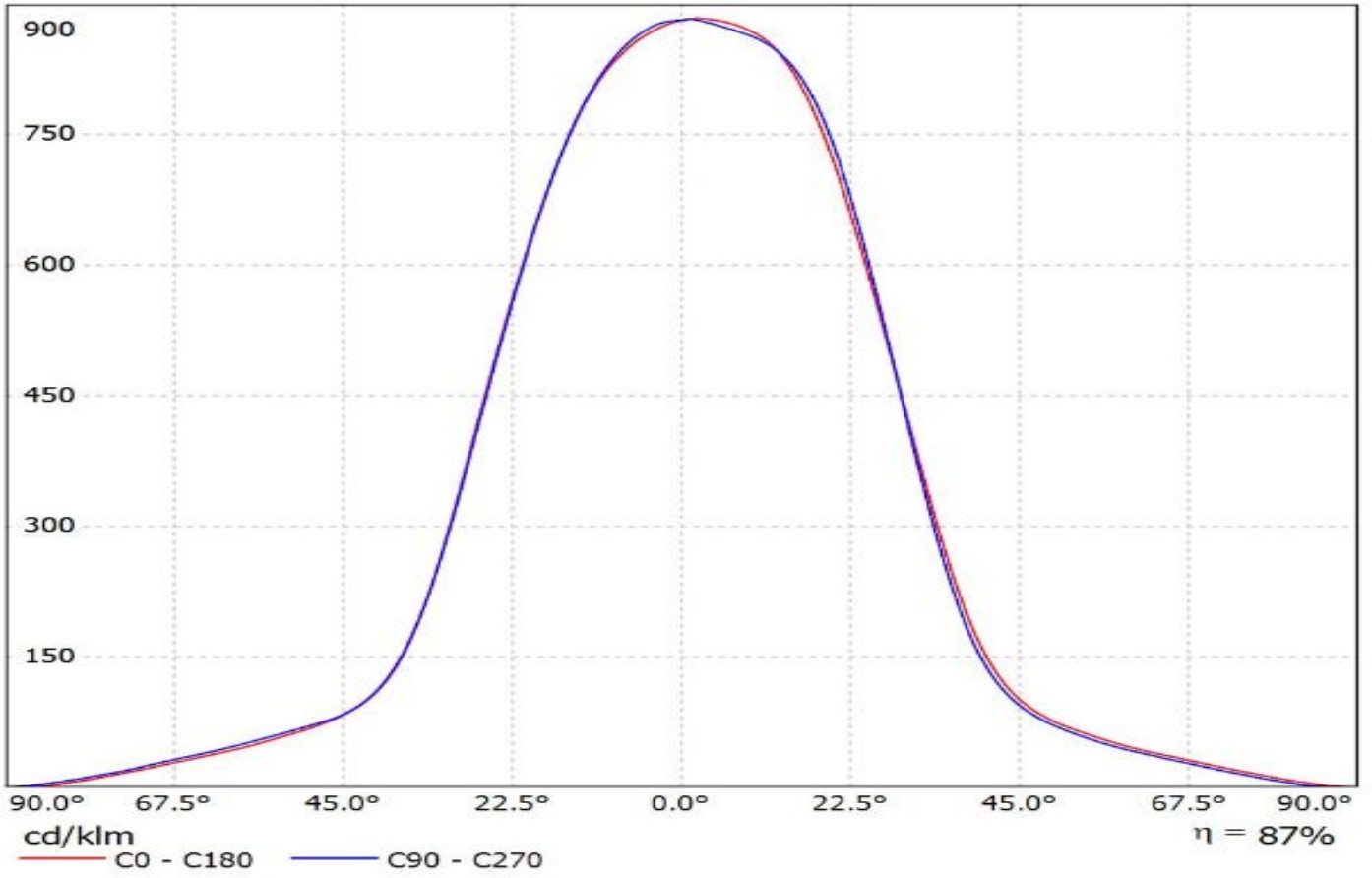
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(CLL020) Eff.90.5%
Lamps: 1 x CITIZEN_CLL020-1203A1_747.329lm@250mA_P=9.28656W_I=249.8mA



Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(CLL030-1206A1) Eff.92.0%
Lamps: 1 x CLL030-1206A1_(303M1A2)_802.683lm@250mA_P=8.76248W_I=249.8mA



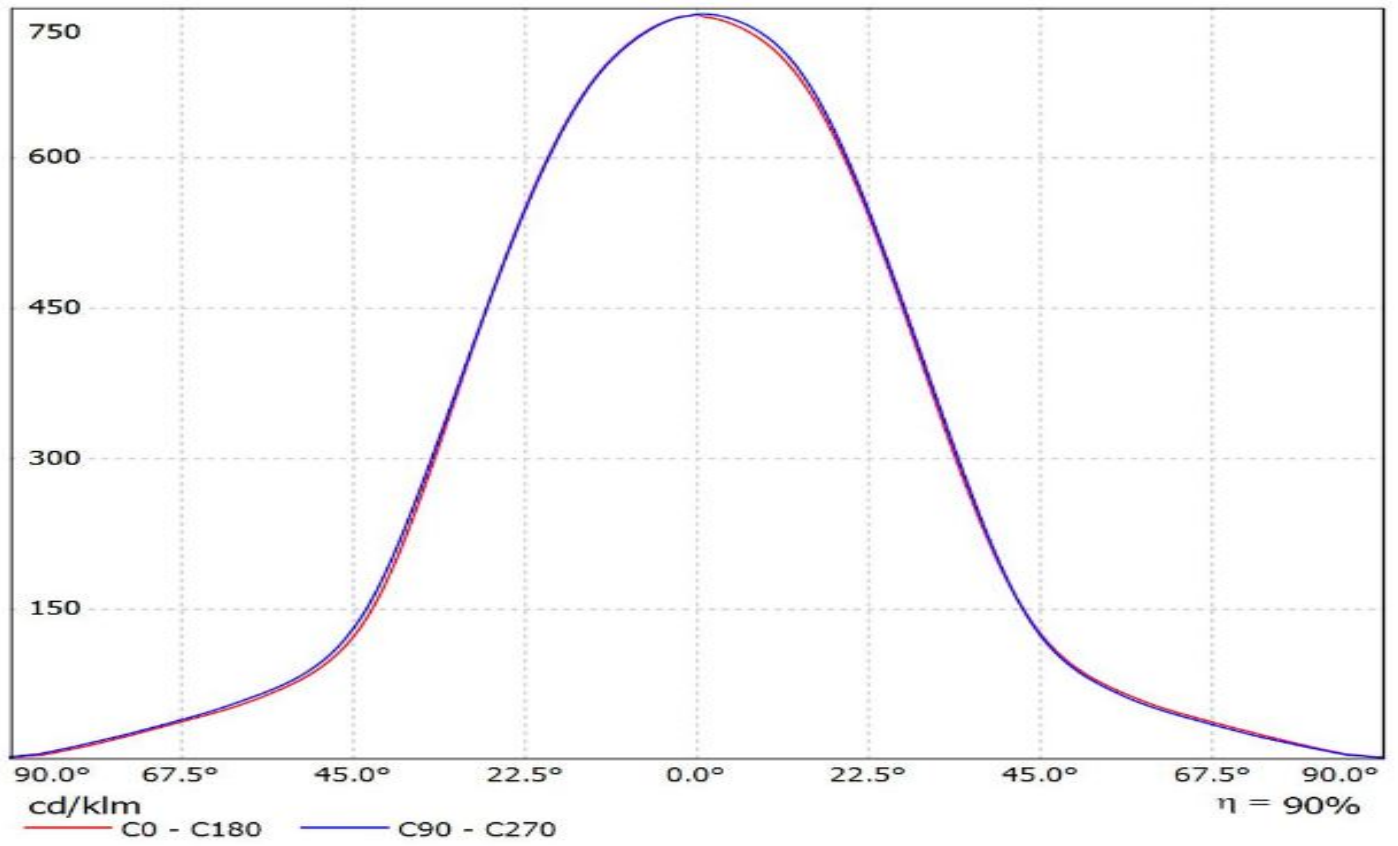
Luminaire: Ledil CN13990_SAGA-HB-IP-WHT_(CLU700)
Lamps: 1 x Citizen_CLU700_394.637lm@100mA_P=2.8W_I=0.10A



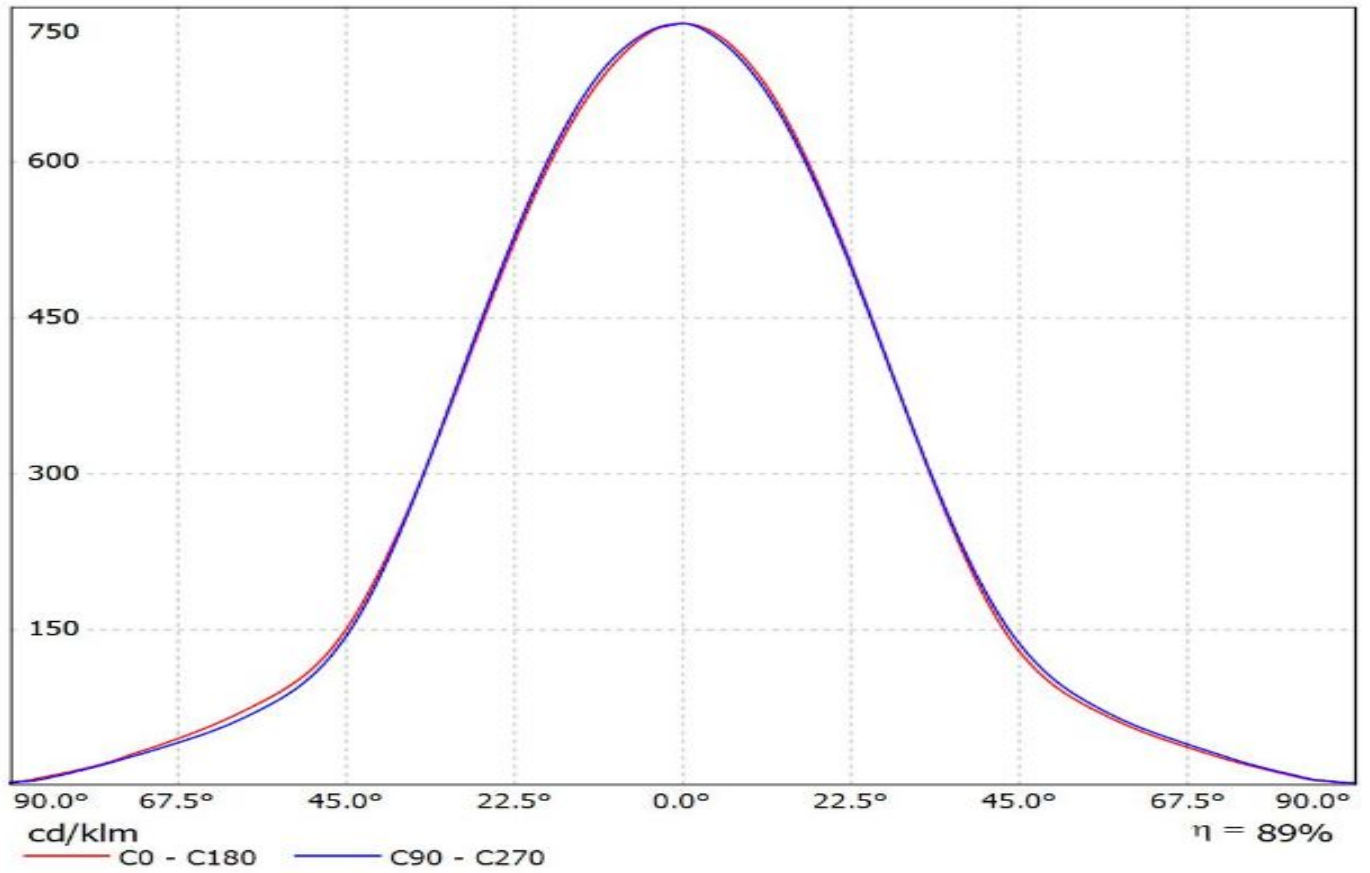
Ledil CN13990_SAGA-HB-IP-WHT_(CLU710) / LDC (Linear)

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

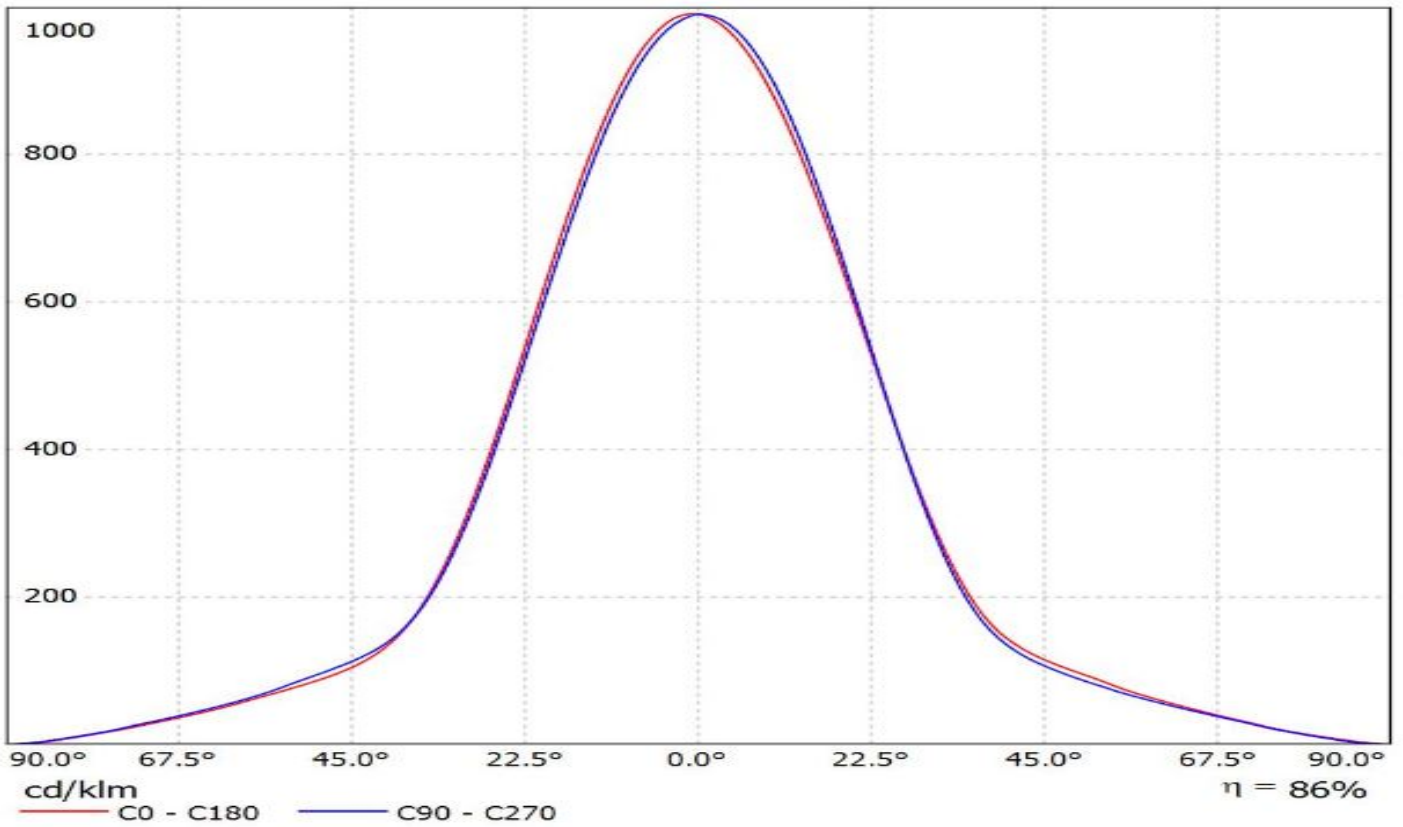


Luminaire: Ledil CN13990_SAGA-HB-IP-WHT_(CLU720)
Lamps: 1 x CITIZEN_CLU720_(CLU720-1206B8-273M2)
_1298.17lm@250mA_CCT=2700K_P=8.3W_I=0.25A



Ledil CN13990_SAGA-HB-IP-WHT_(CLU024) / LDC (Linear)

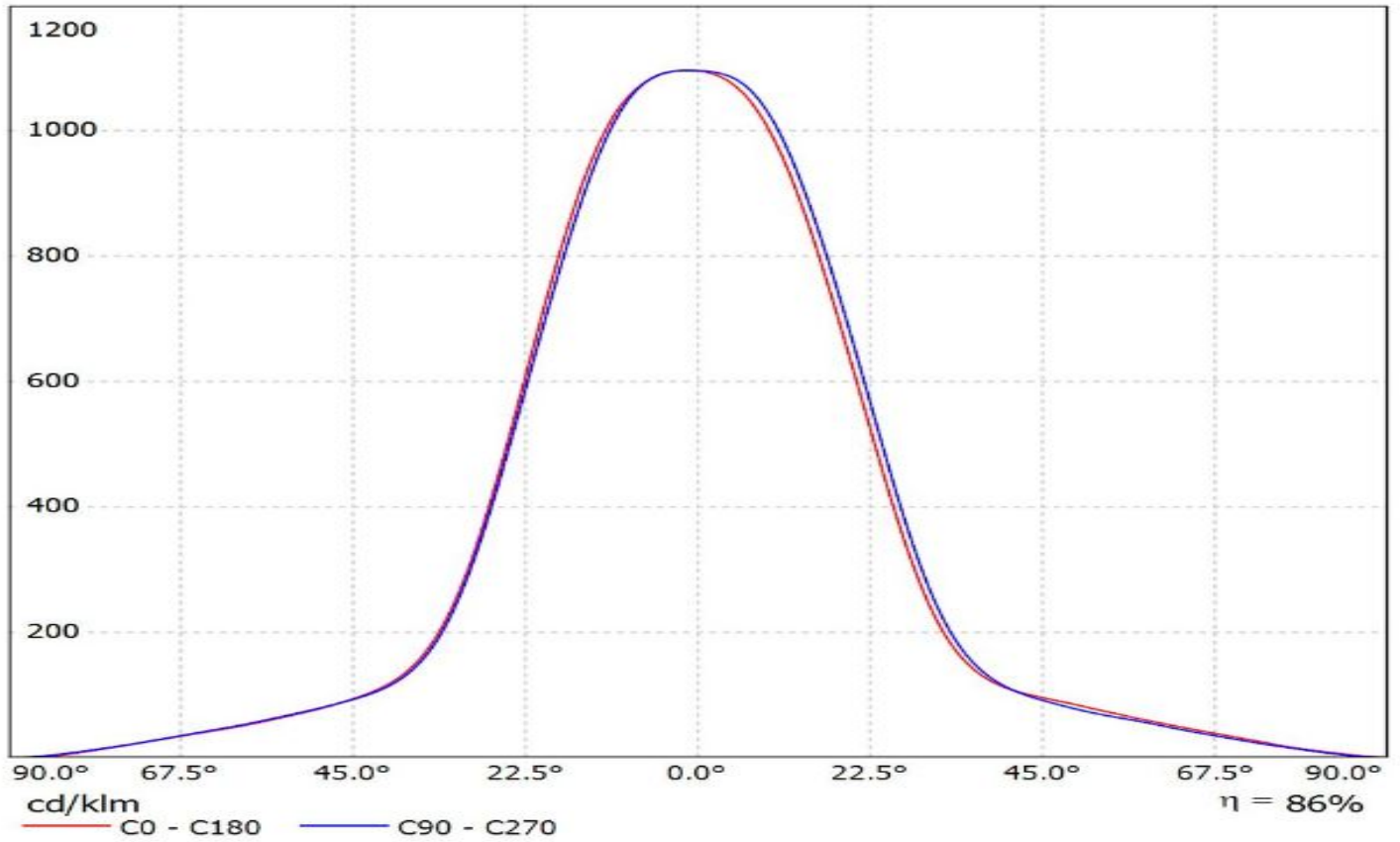
Luminaire: Ledil CN13990_SAGA-HB-IP-WHT_(CLU024)
Lamps: 1 x Citizen_CLU024_(CLU024-1204B8-303M1A2)
_1071.67lm@250mA_CCT=3000K_P=8.56W_I=0.25A



Ledil CN13990_SAGA-HB-IP-WHT_(CLU700) / LDC (Linear)

Luminaire: Ledil CN13990_SAGA-HB-IP-WHT_(CLU700)

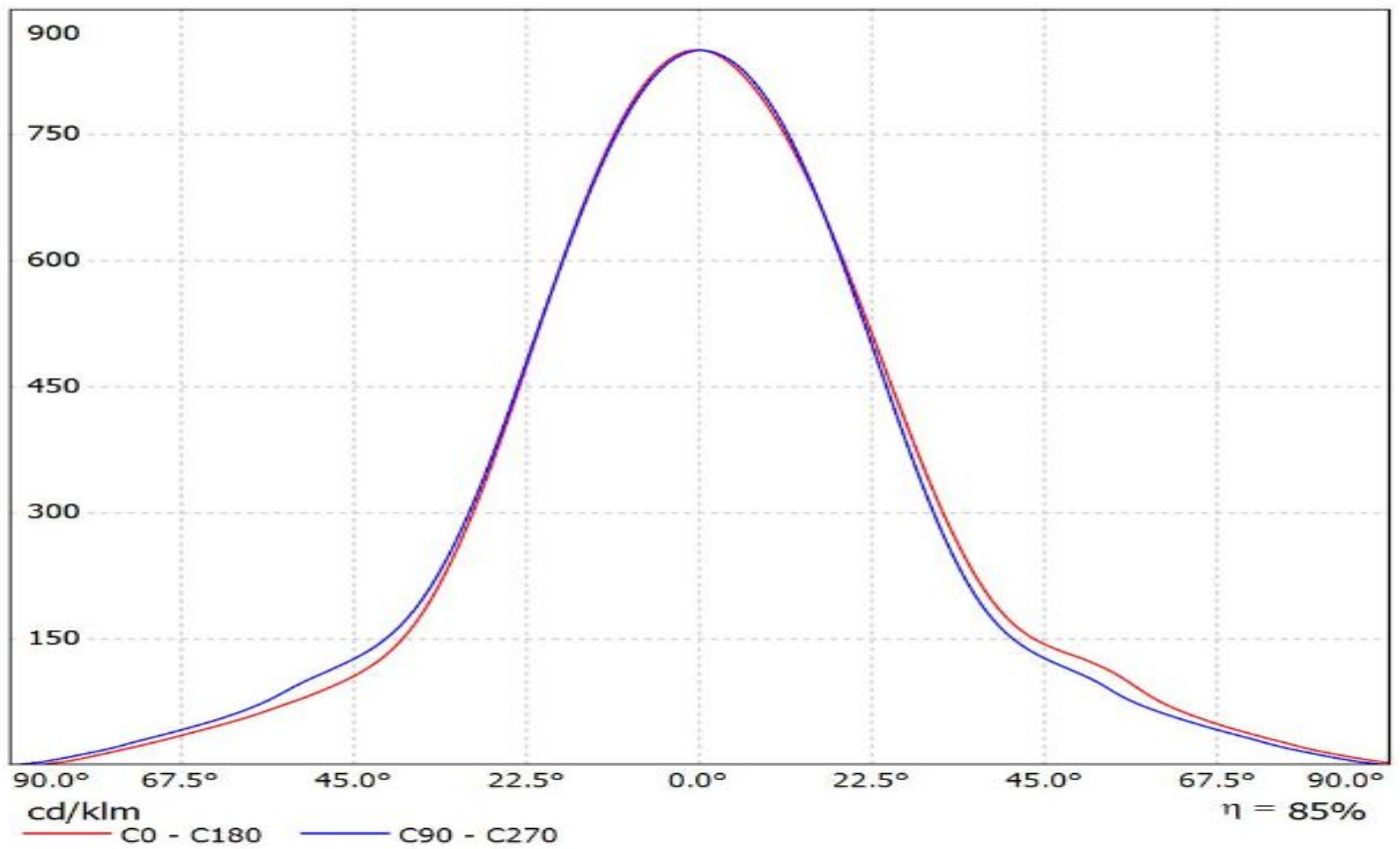
Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G1)_392.46lm@100mA_P=2.8255W_I=0.1A



Ledil CN13990_SAGA-HB-IP-WHT_(CLU720) / LDC (Linear)

Luminaire: Ledil CN13990_SAGA-HB-IP-WHT_(CLU720)

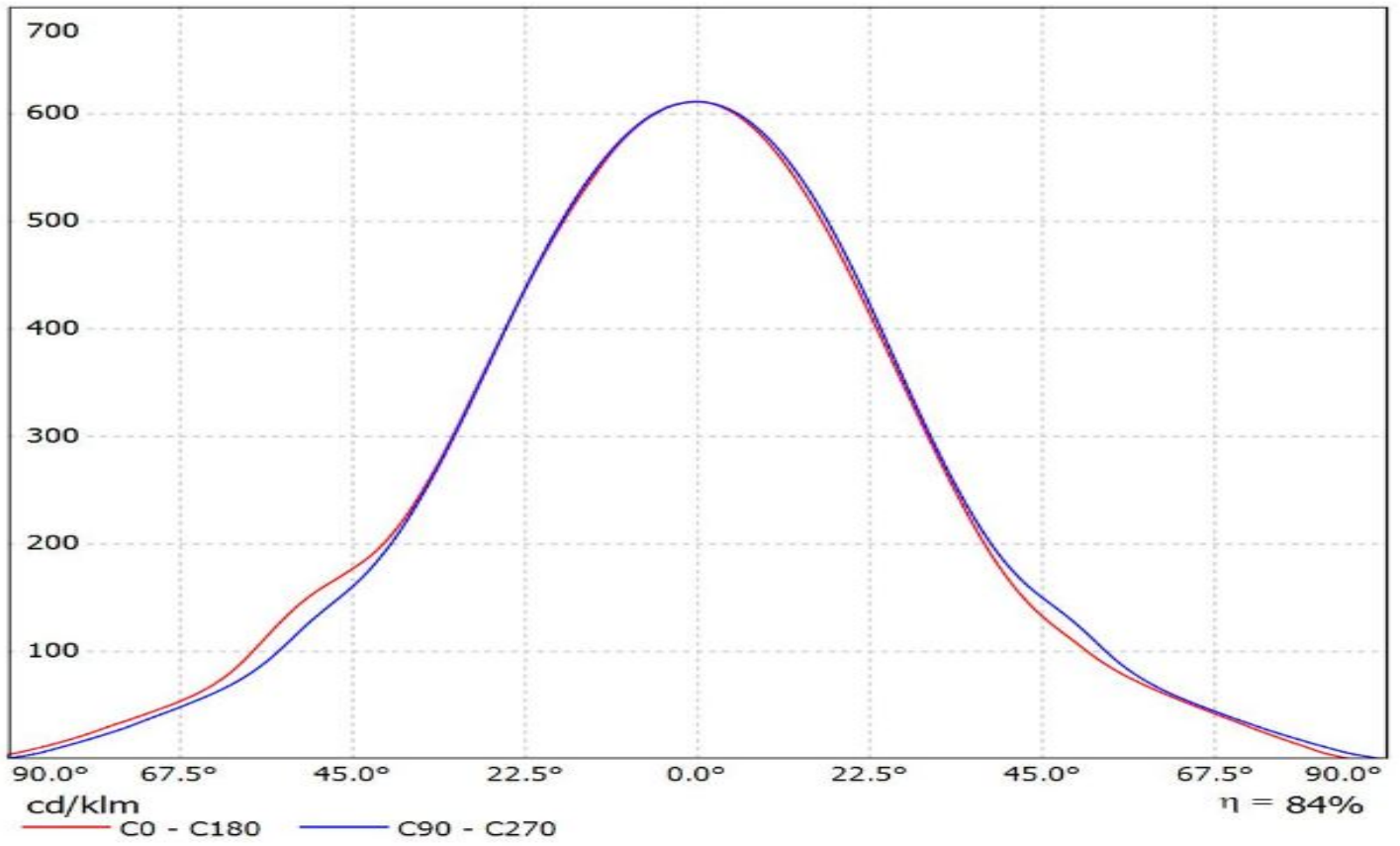
Lamps: 1 x Citizen_CLU720_(CLU720-1206B8-273M2G1)_1253.68lm@250mA_P=8.3W_I=0.25A



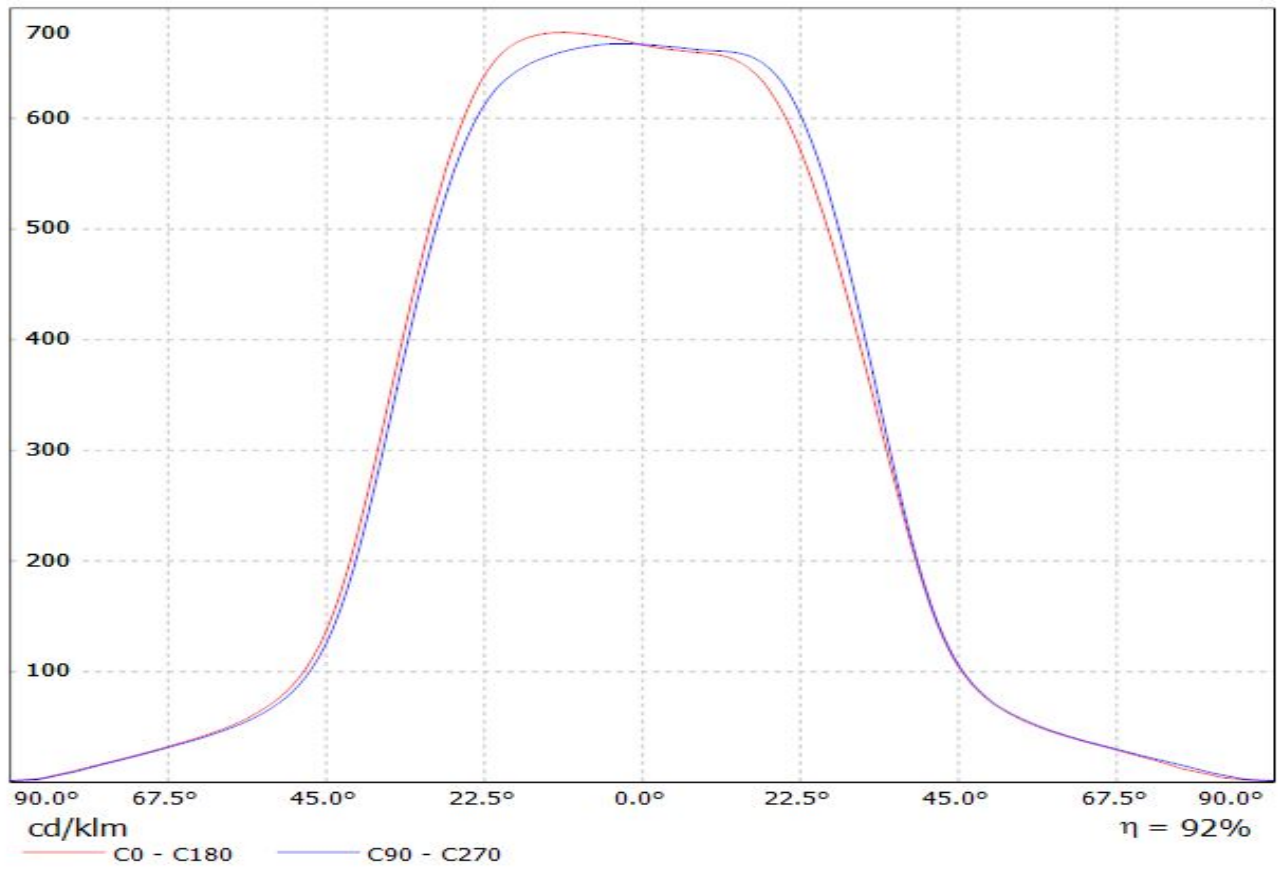
Ledil CN13990_SAGA-HB-IP-WHT_(CLU034) / LDC (Linear)

Luminaire: Ledil CN13990_SAGA-HB-IP-WHT_(CLU034)

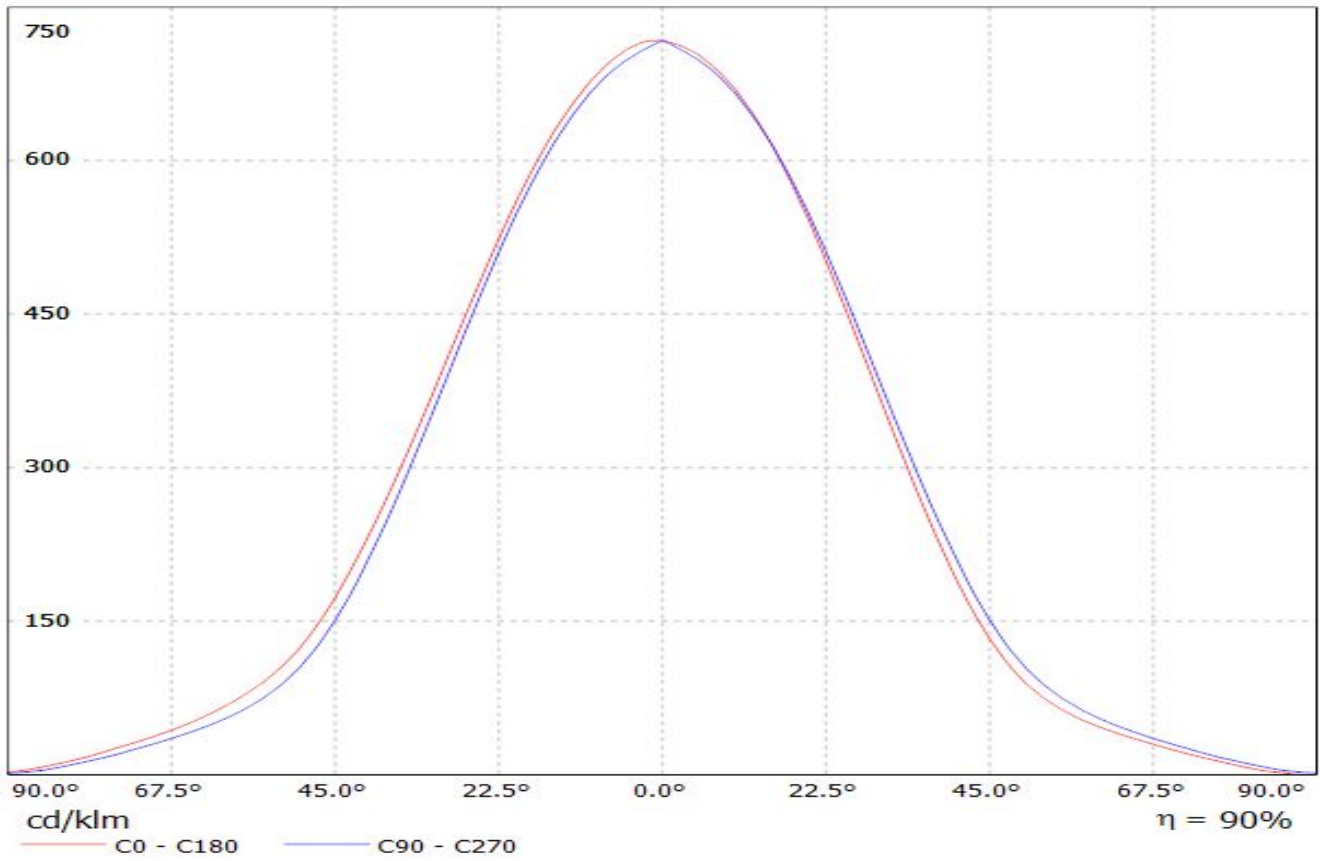
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_1190.41lm@250mA_P=8.5W_I=0.25A



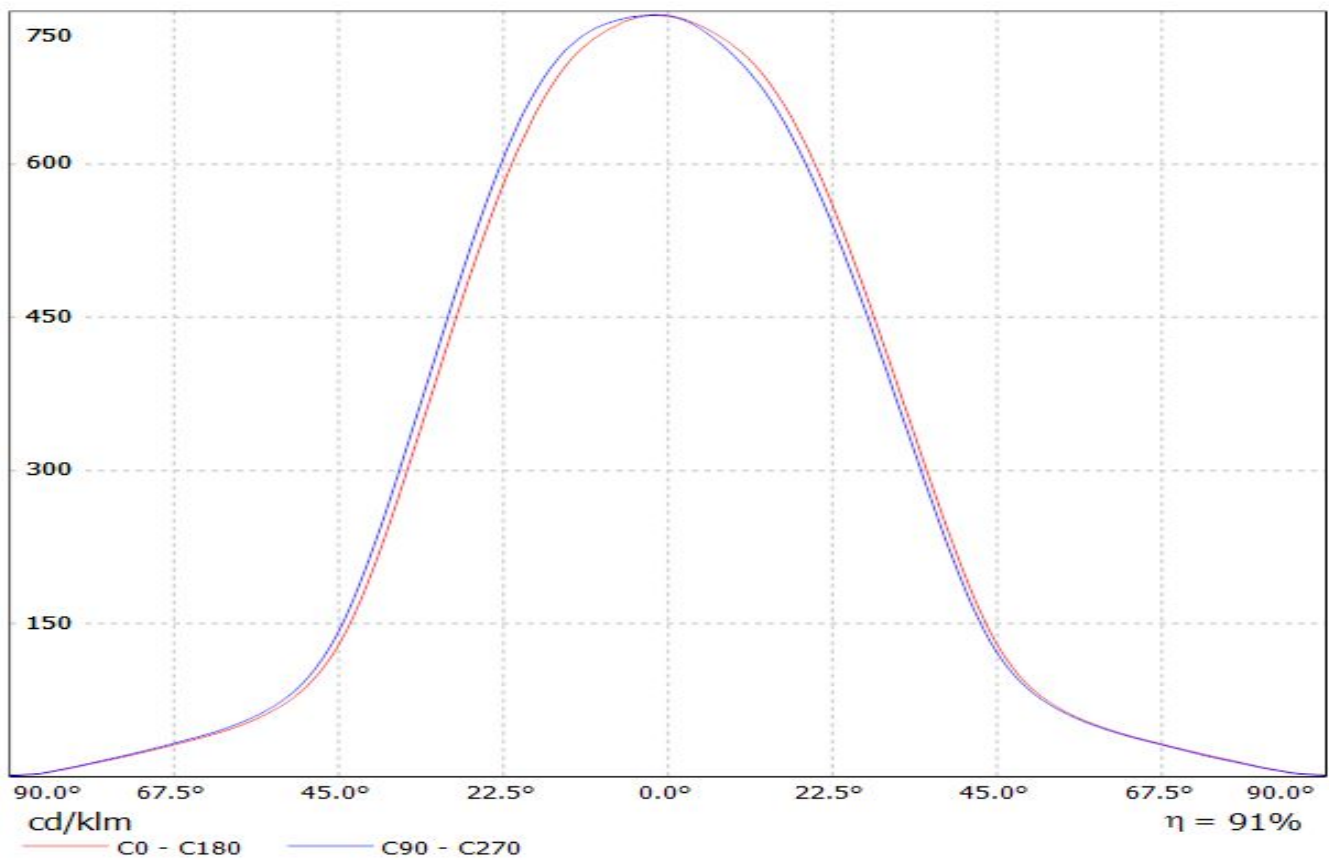
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(CXA1304_9V) Eff.91.9%
Lamps: 1 x CREE_CXA1304_9V_265.569lm@250mA_P=2.21931W_I=249.9mA



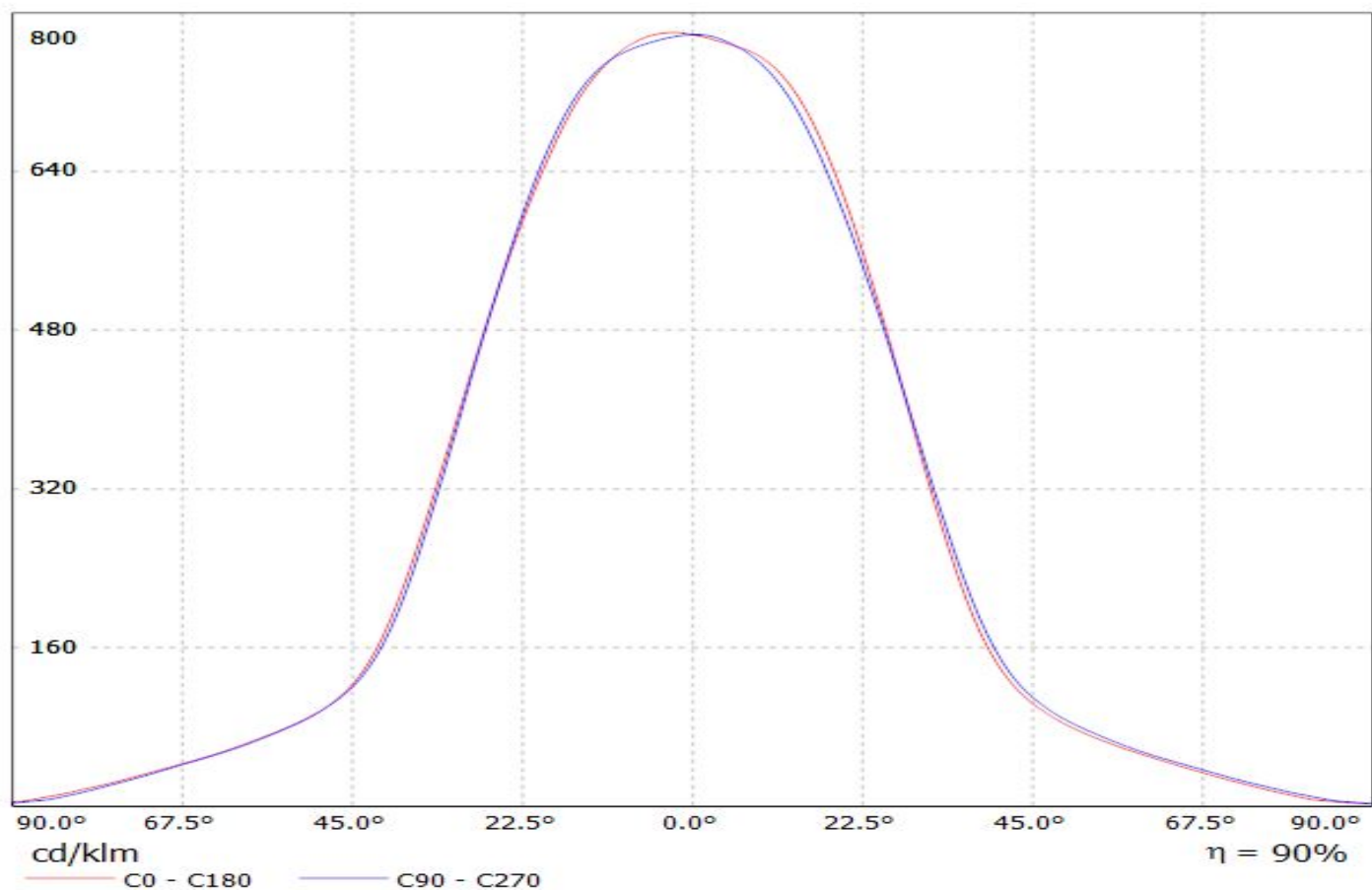
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(CXA1816) Eff. 90%
Lamps: 1 x Cree_CXA1816_1049.36lm@250mA_P=8.6161W_I=249.8mA



Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(CXA1507) Eff.91.5%
Lamps: 1 x Cree_CXA1507_(CXA1507-30F-F2-N0A-0000) 219.37lm@50mA P=1.68662W I=50.2mA

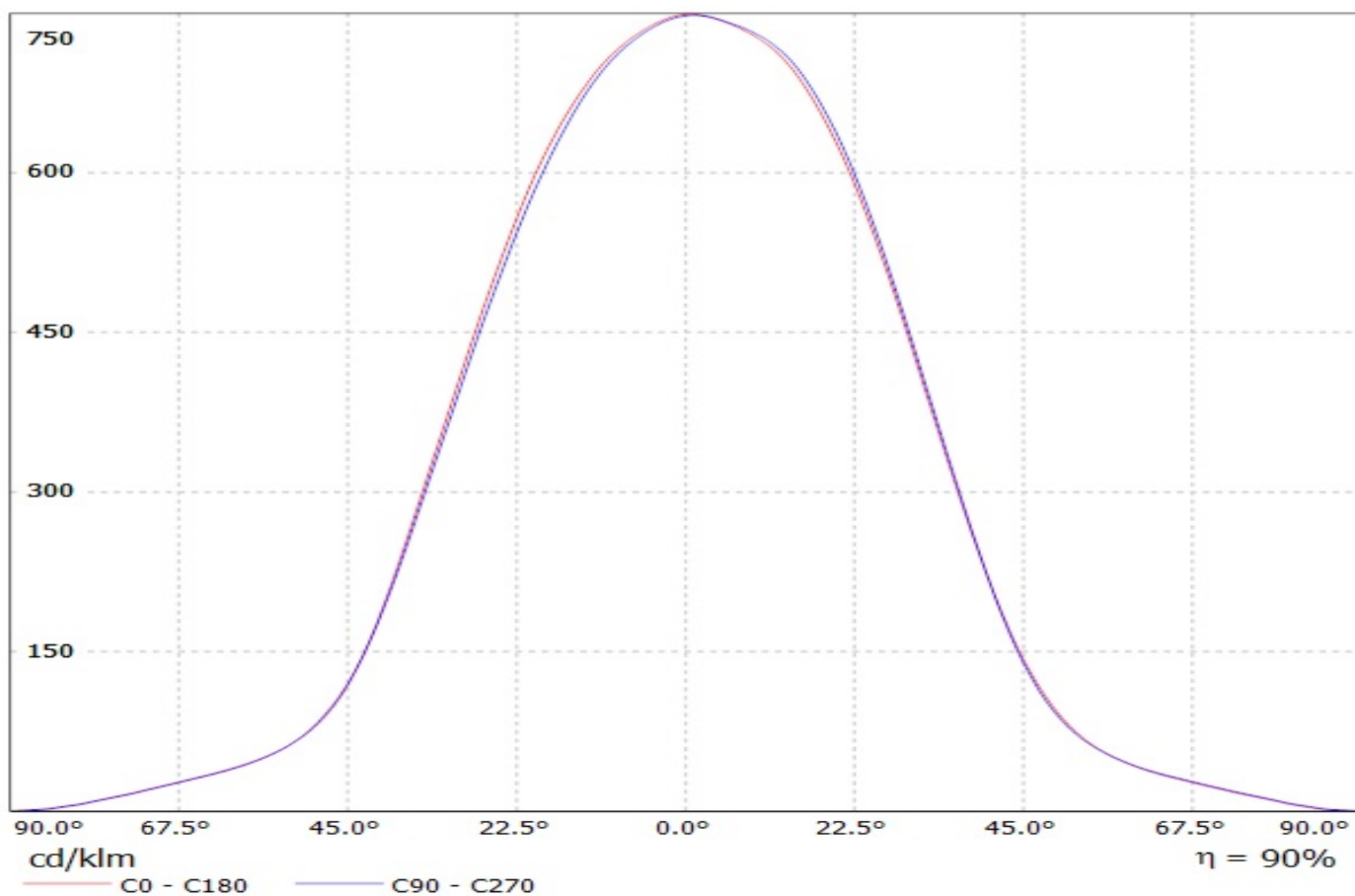


Luminaire: Ledil CN13990_SAGA-HB-IP-WHT_(MHD-G)
Lamps: 1 x Cree MHD-G_530.44lm@100mA_P=3.0W_I=0.100A



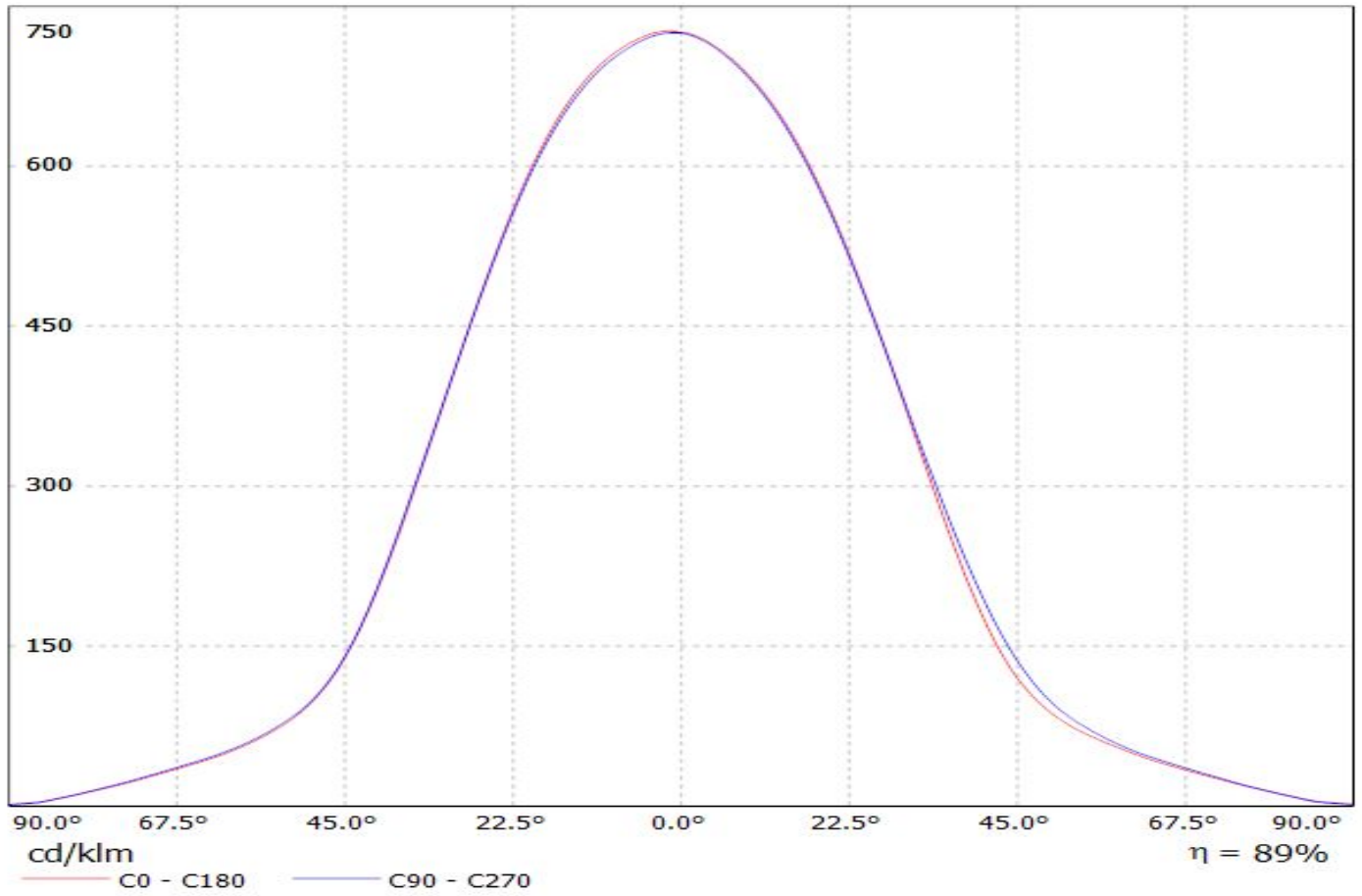
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(CXB1507)

Lamps: 1 x Cree_CXB1507_(CXB1507-40G-H4-N0H-00001)_1114.1lm@250mA_P=8.64954W_I=0.2499A



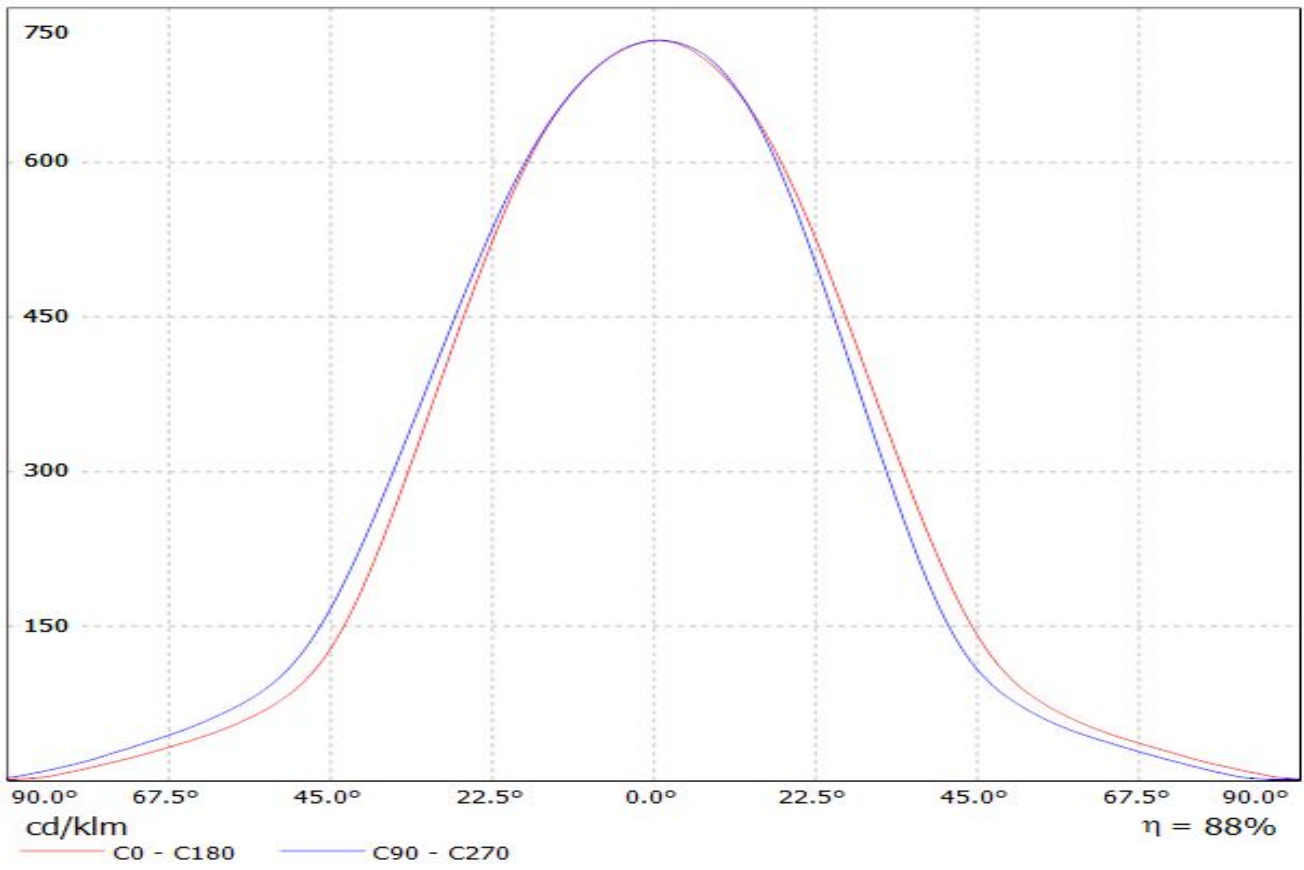
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(LUXEON_COB-1203)

Lamps: 1 x LUXEON_COB-1203_(LHC1-3080-1203)_988.777lm@250mA_CCT=3000K_P=8.6W_I=0.25A

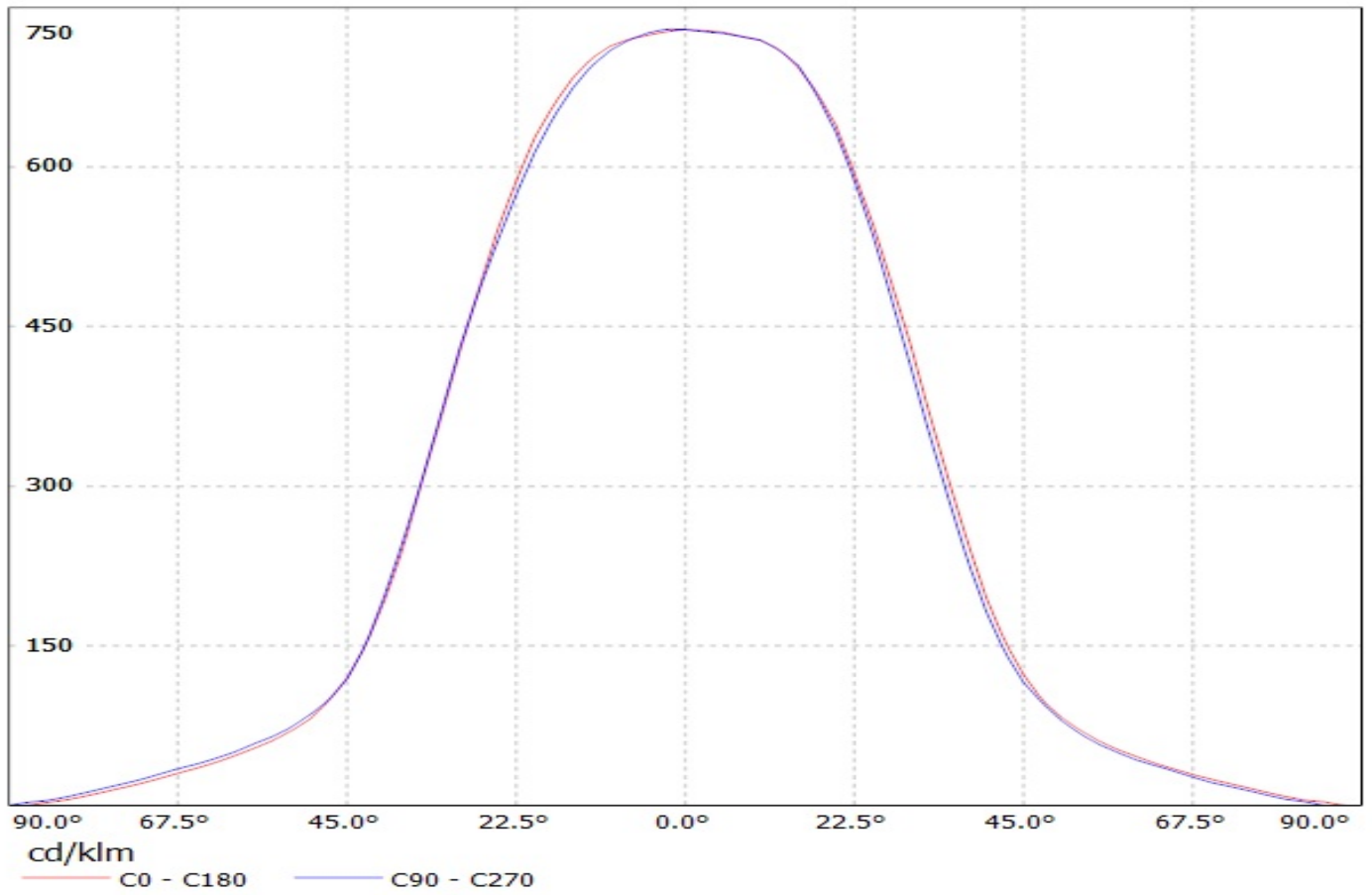


Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT

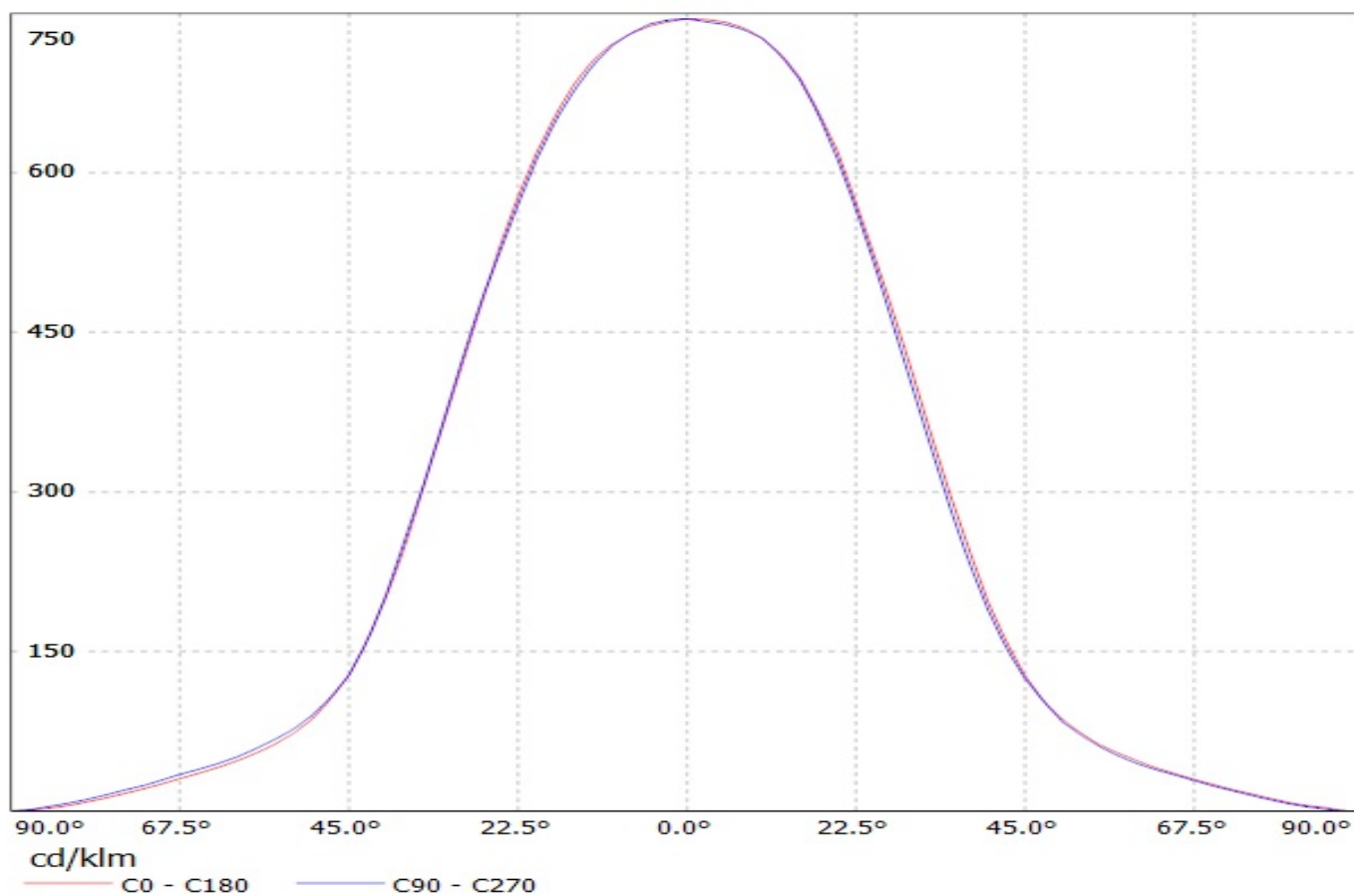
Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_945.175lm@240mA_P=8.21232W_I=240mA



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

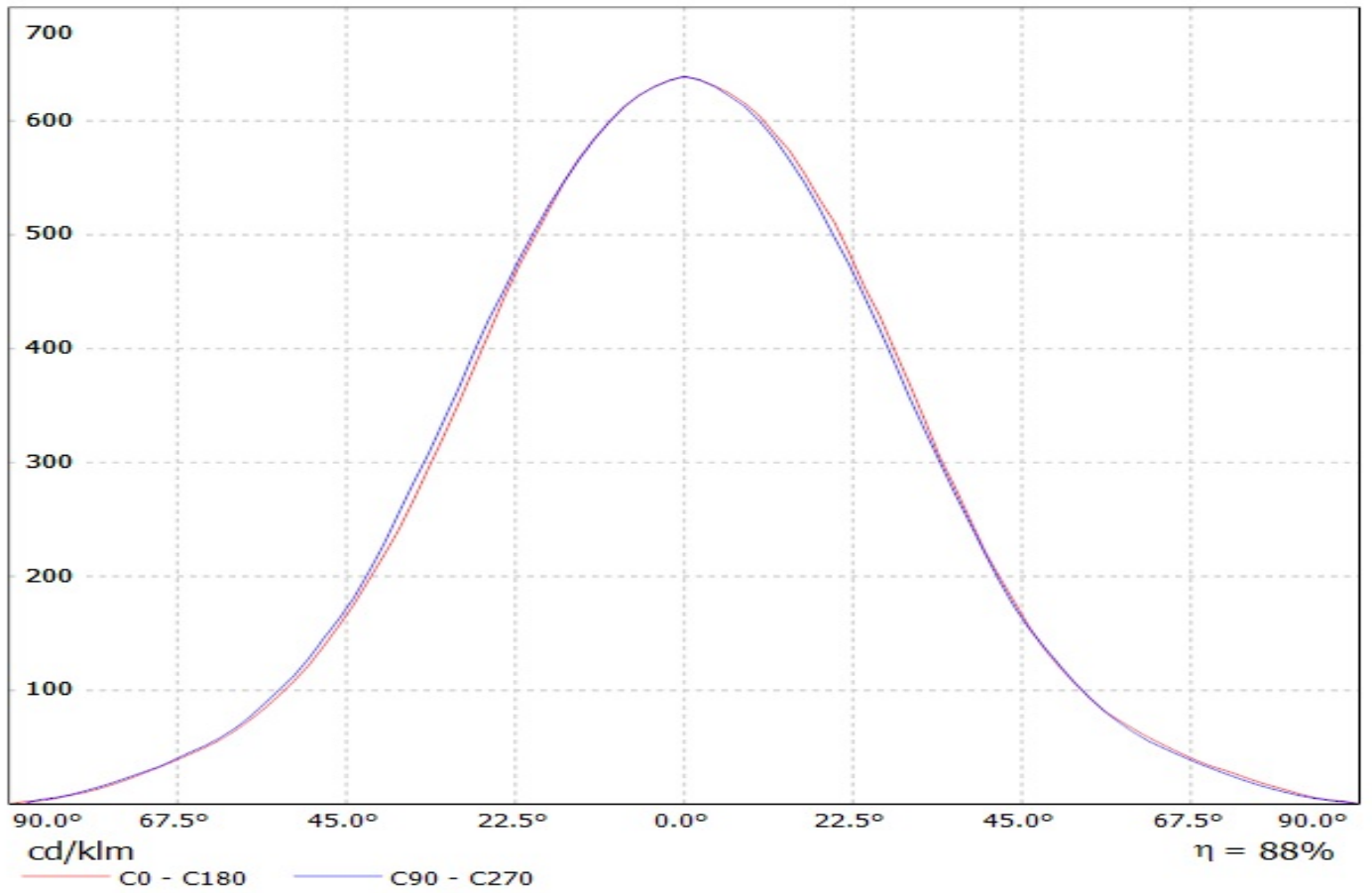


Luminaire: LEDil Oy CN13990_SAGA-HB-IP-WHT_(CXM-7) Efficiency=89%
Lamps: 1 x Luminus XNOVA CXM-7 (527lm @ 160mA) CCT=2900K P=5.6W I=160mA

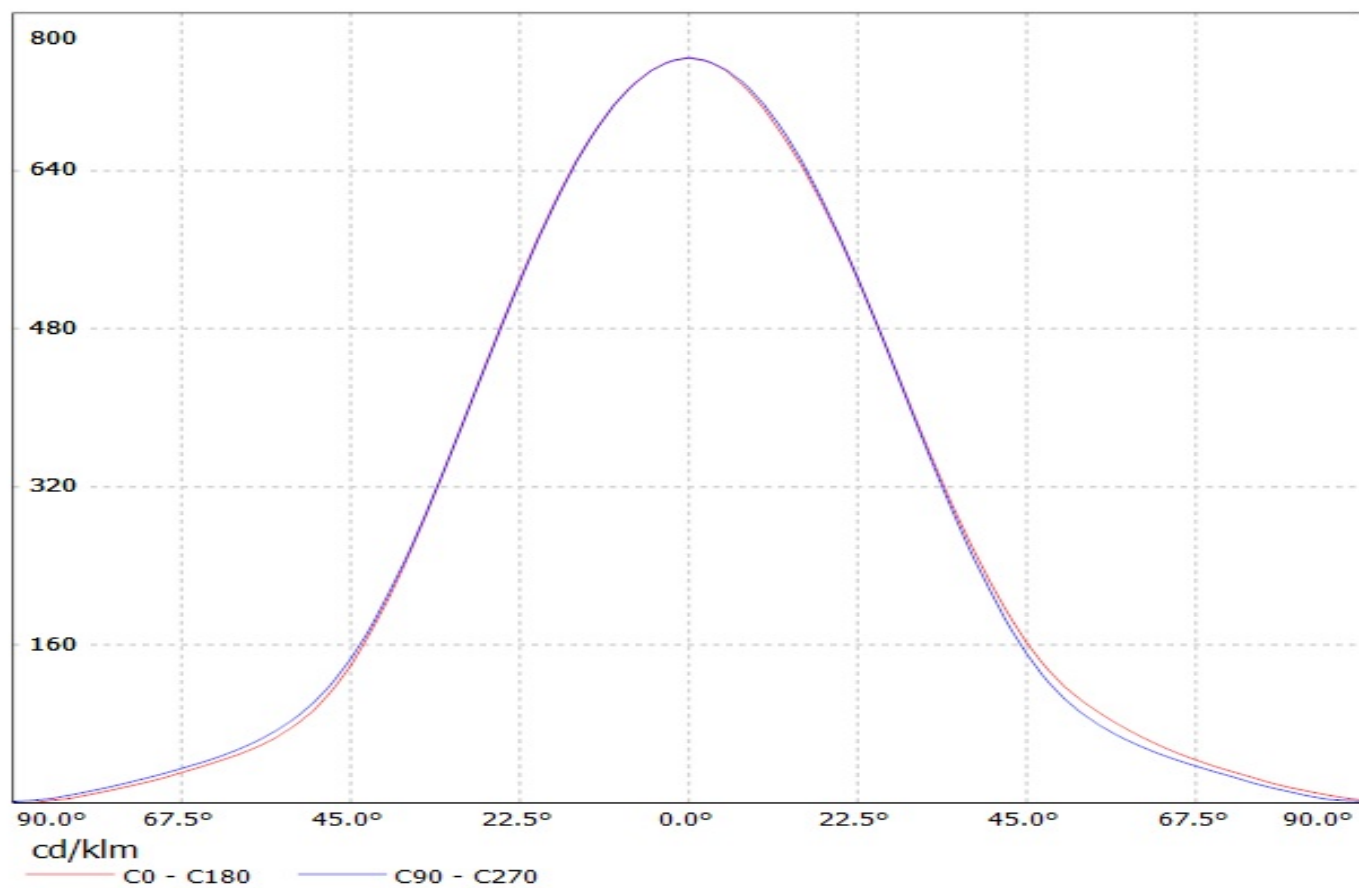


Luminaire: LEDil Oy CN13990_SAGA-HB-IP-WHT_(CXM-14)

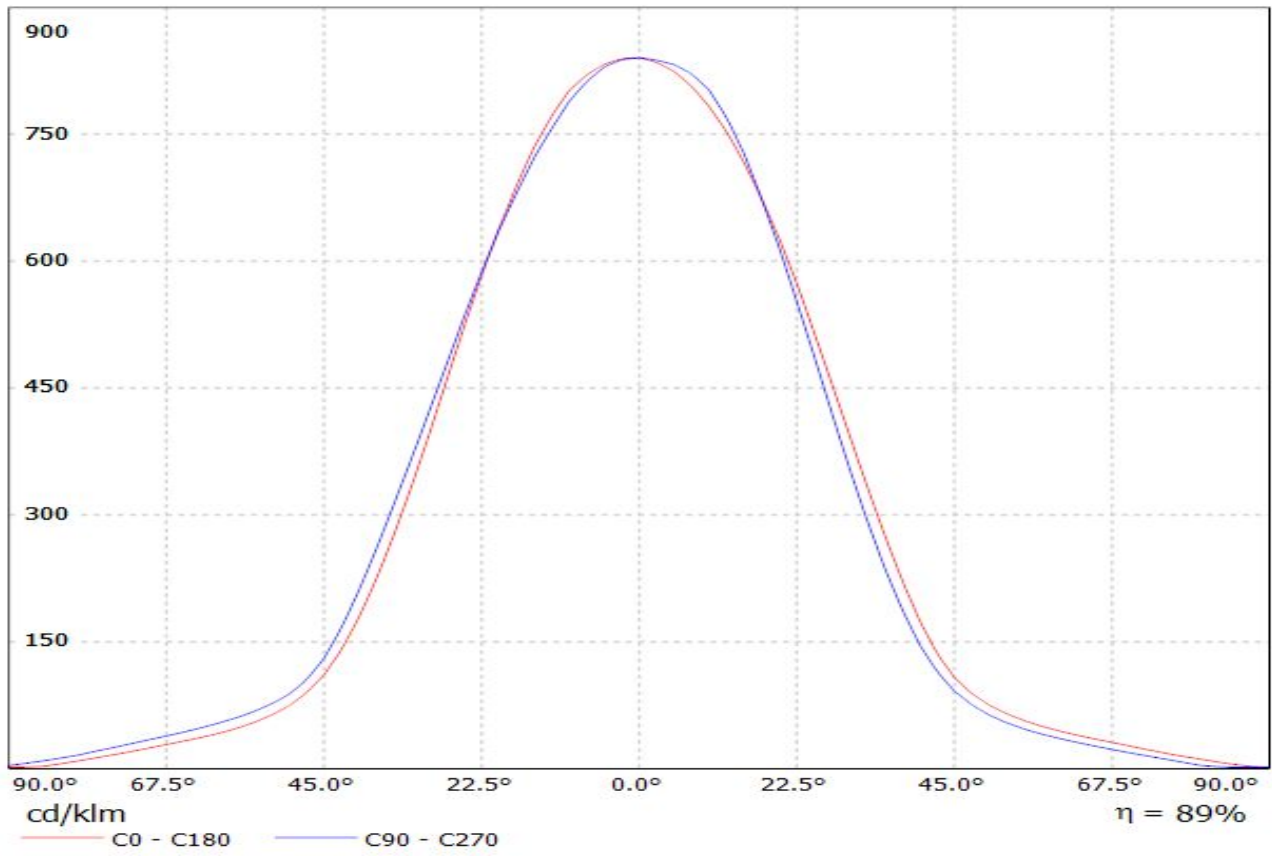
Lamps: 1 x Luminus CXM-14 (1058.75lm @ 250mA) CCT=3100K P=8.3W I=250mA



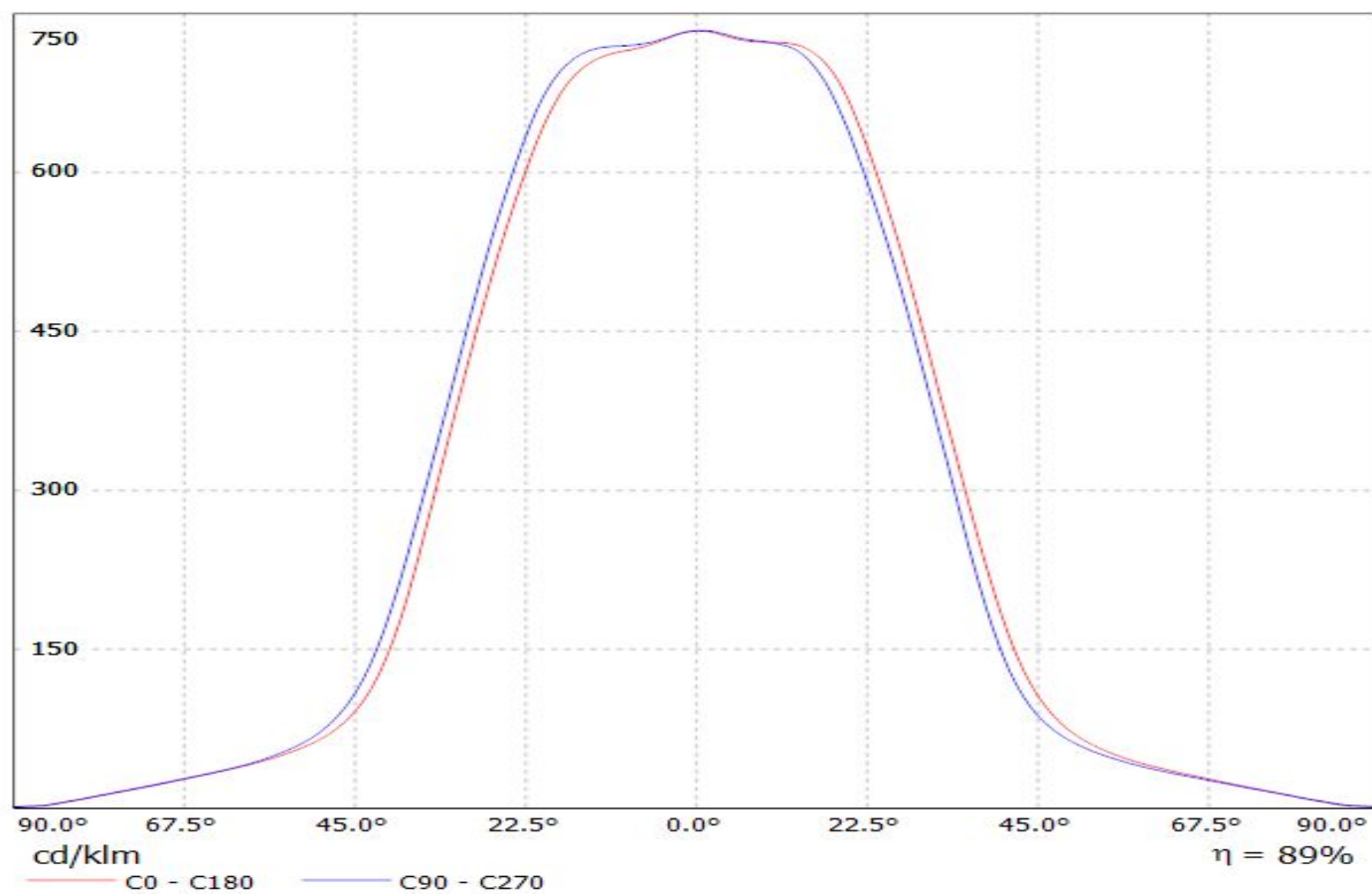
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(Soleriq_S13) Eff.91.2%
Lamps: 1 x Osram_Soleriq_S13_832.881lm@250mA_CCT=3125K_P=7.32389W_I=249.8mA



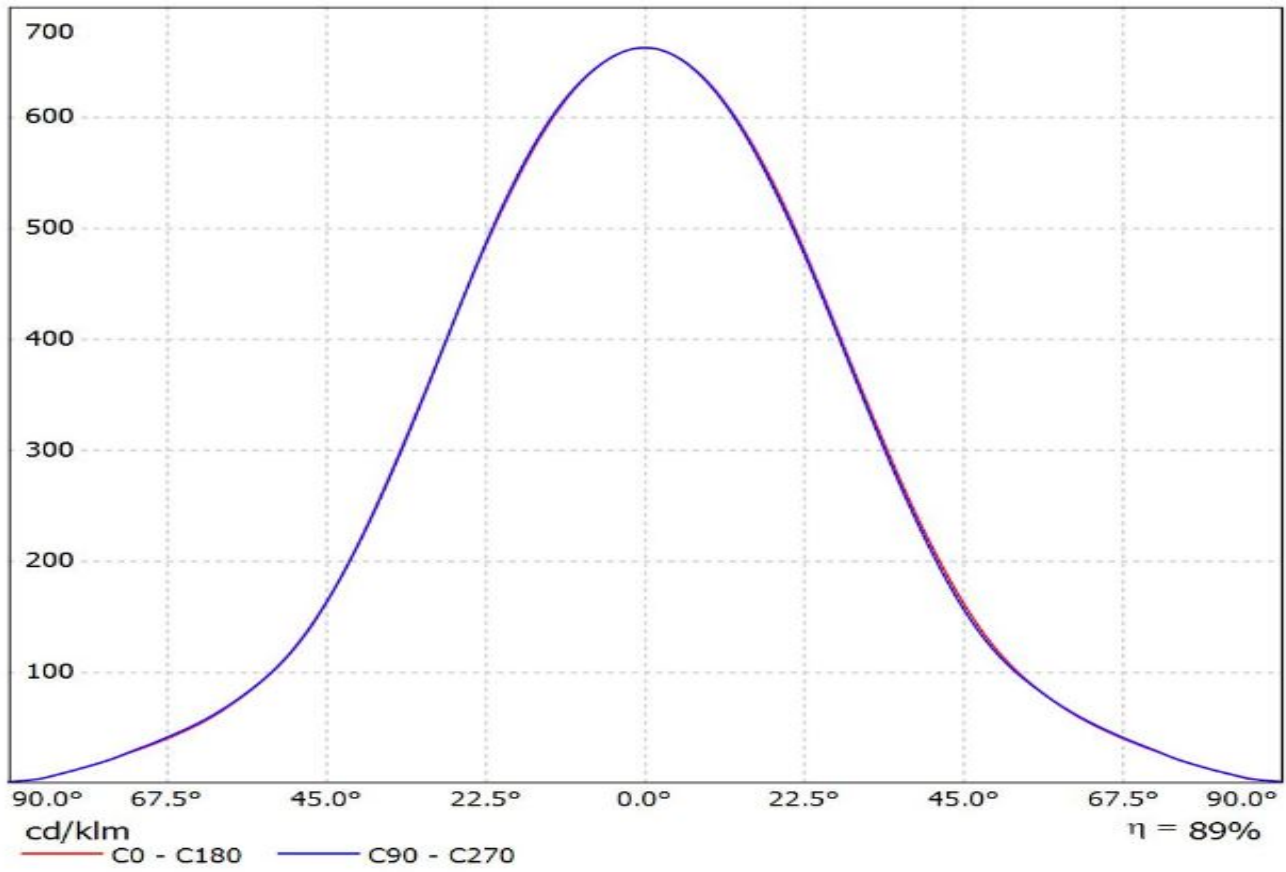
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(Soleriq_P9)
Lamps: 1 x Osram_Soleriq_P9_(GW_MAFJB1.EM)_387.221lm@100mA_CCT=4299K_P=2.73123W_I=100.1mA



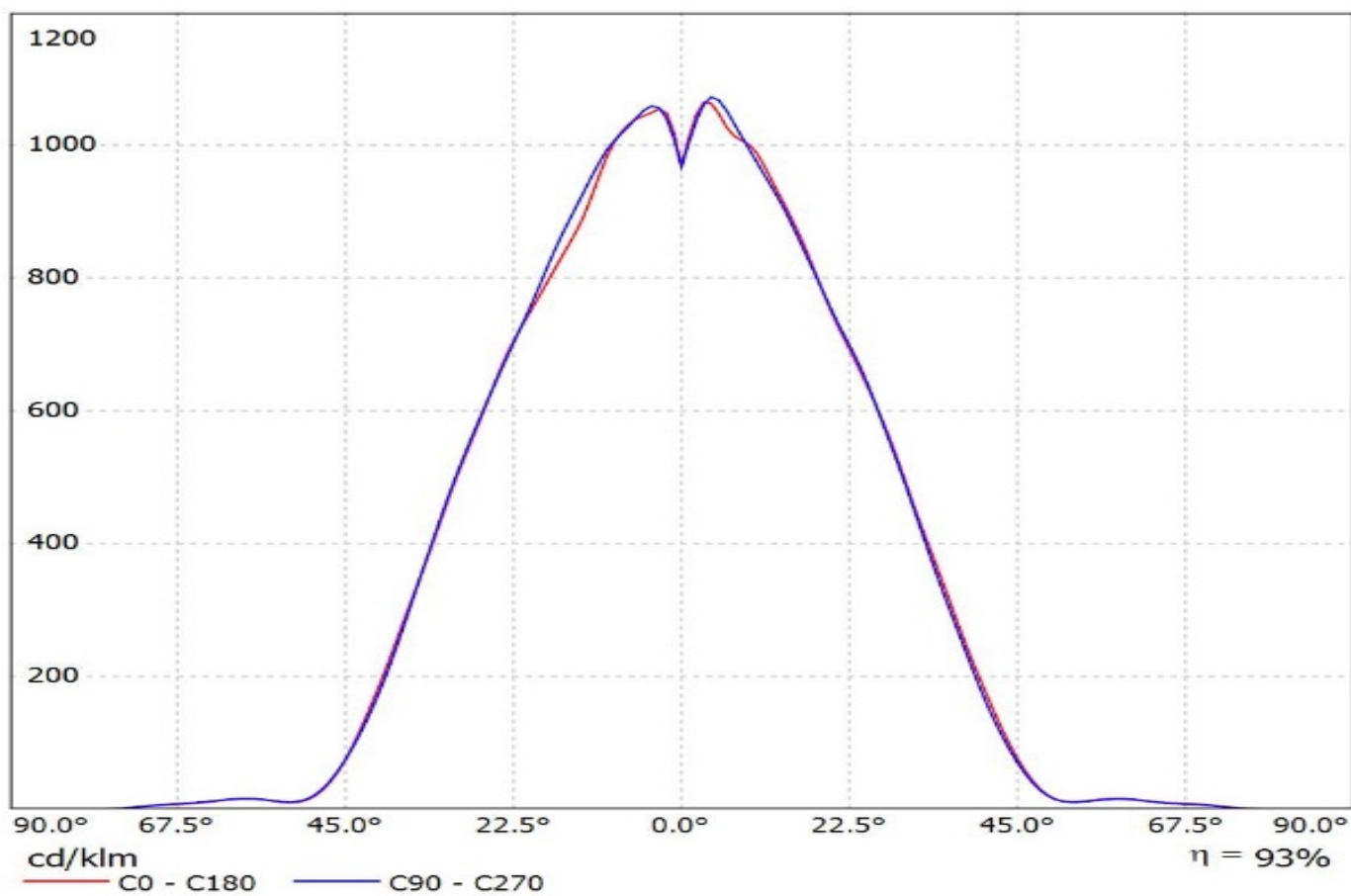
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(Soleriq_P6) Eff.88.5%
Lamps: 1 x Osram_Soleriq_P6_(GW_MAEGB1.EM)
_281.545lm@100mA_CCT=3793K_P=2.44805W_I=100.1mA



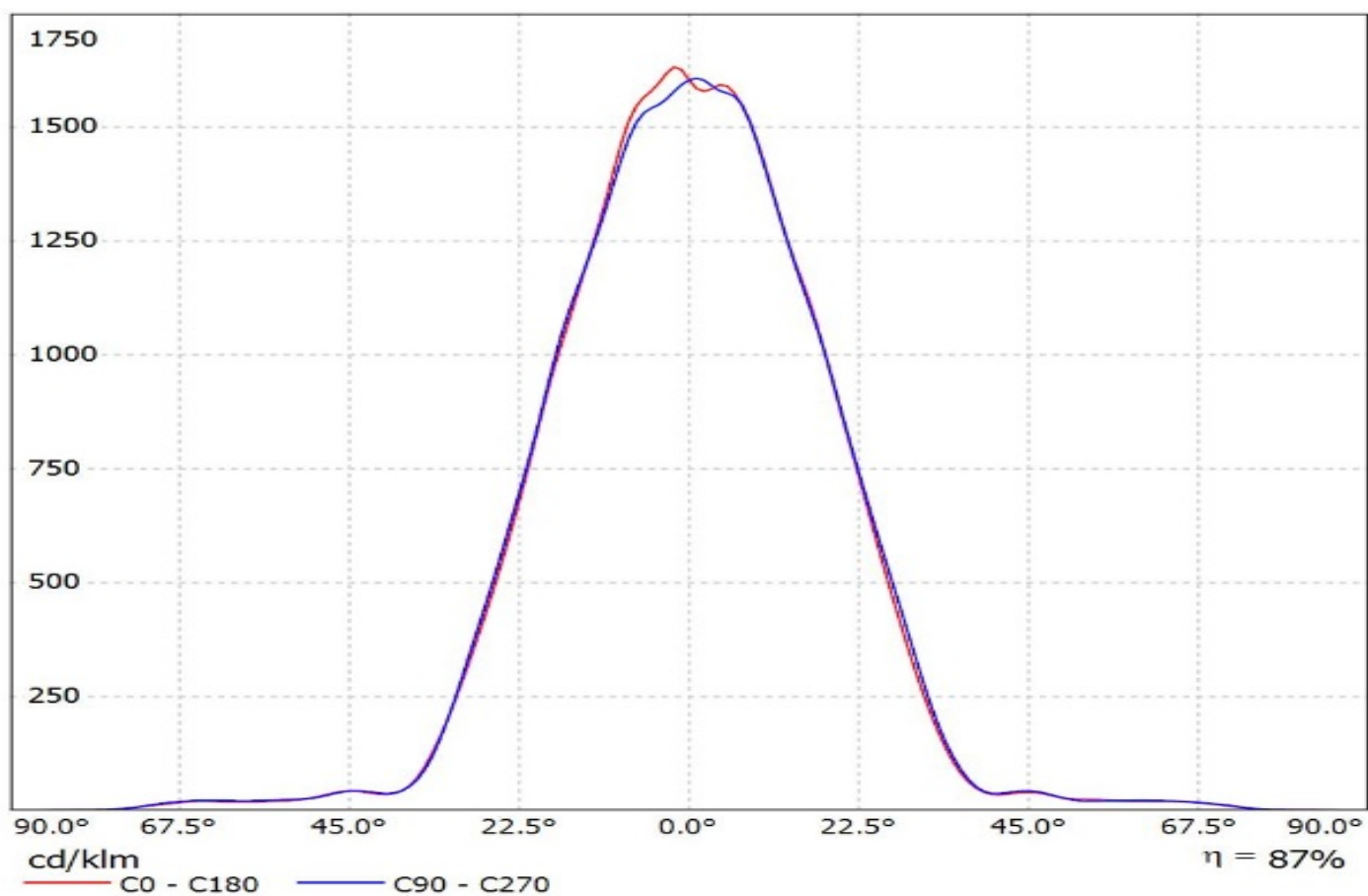
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(SOLERIQ_P13)
Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_929.576lm@250mA_CCT=3500K_P=8.72876W_I=249.8mA



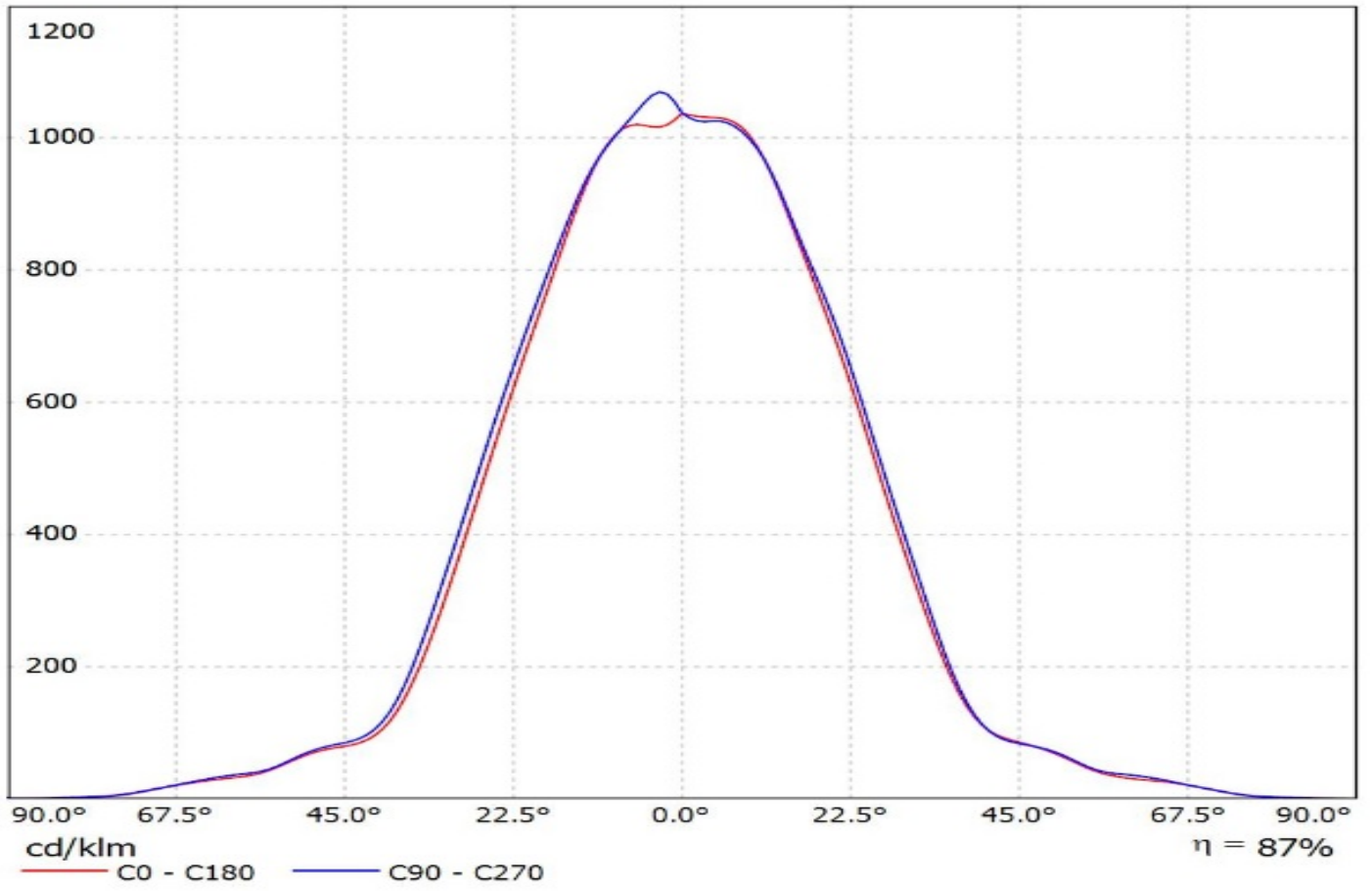
Luminaire: Ledil Oy CN13990_SAGA-HB-IP-WHT_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



Luminaire: Ledil Oy CN13990_SAGA-HB-IP-WHT_(LC020C)_(B+W_479_Typ_L6)_SIMULATED
Lamps: 1 x Samsung LC020C

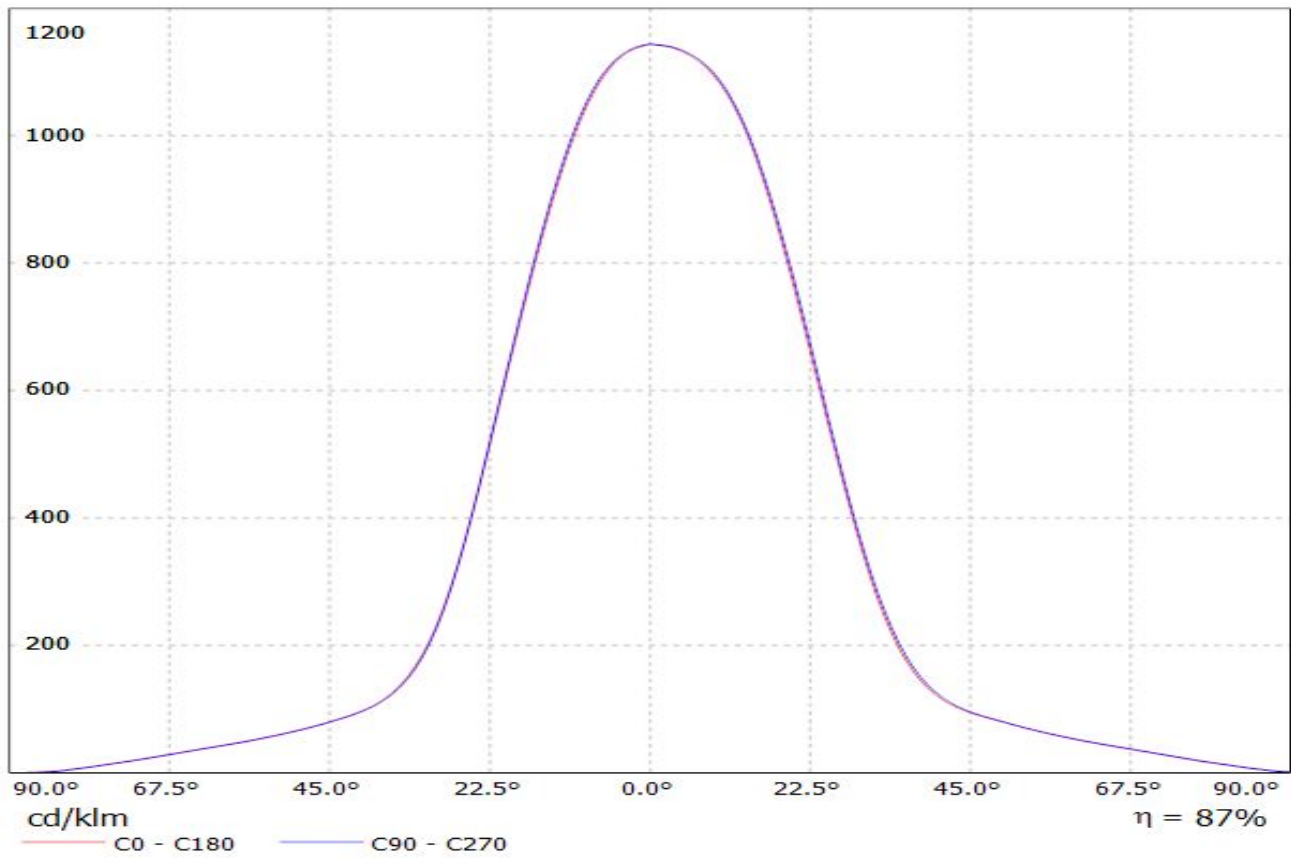


Luminaire: Ledil Oy CN13990_SAGA-HB-IP-WHT_(LC040C)_(B+W_480_Typ_L6)_SIMULATED
Lamps: 1 x Samsung LC040C

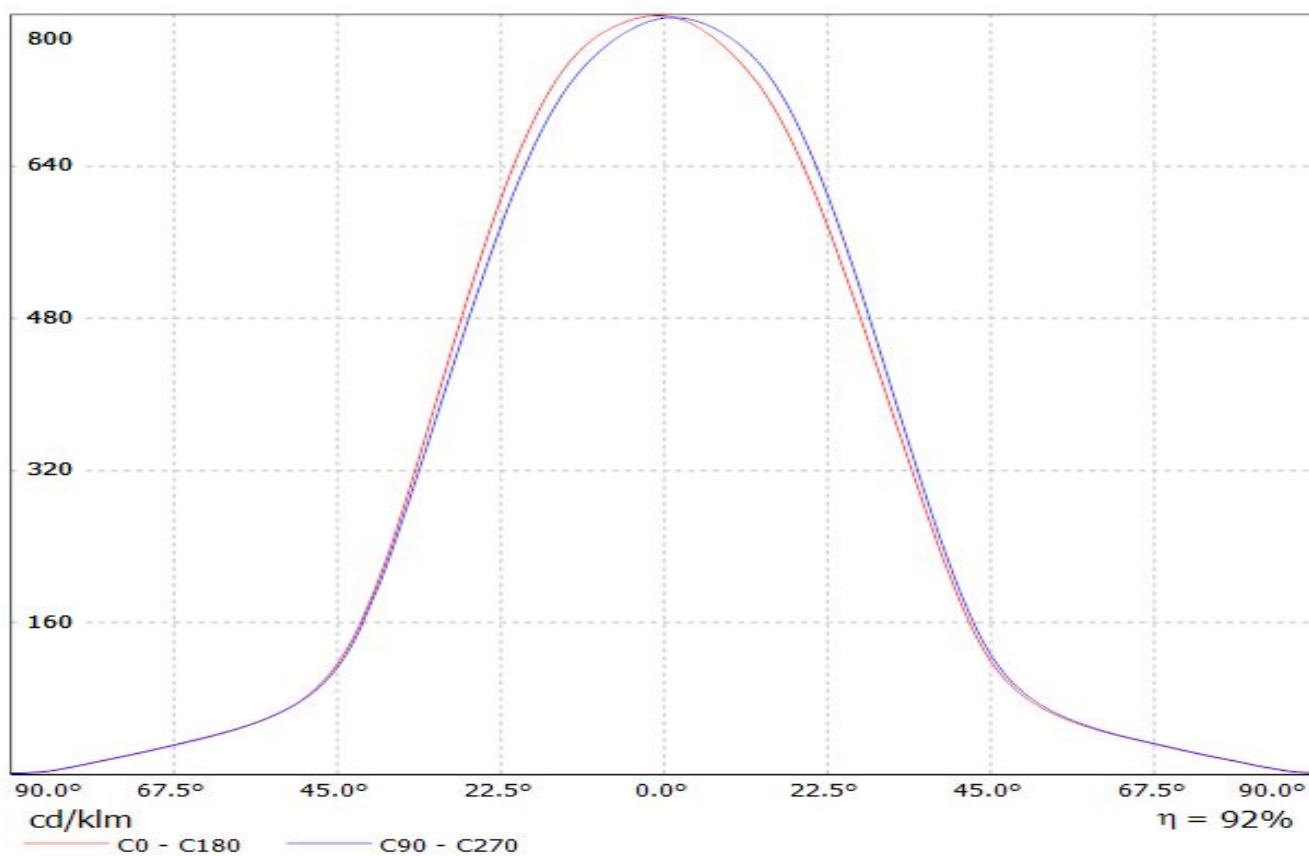


Luminaire: Ledil CN13990_SAGA-HB-IP-WHT_(MJT_LES6_SAWx0661A)

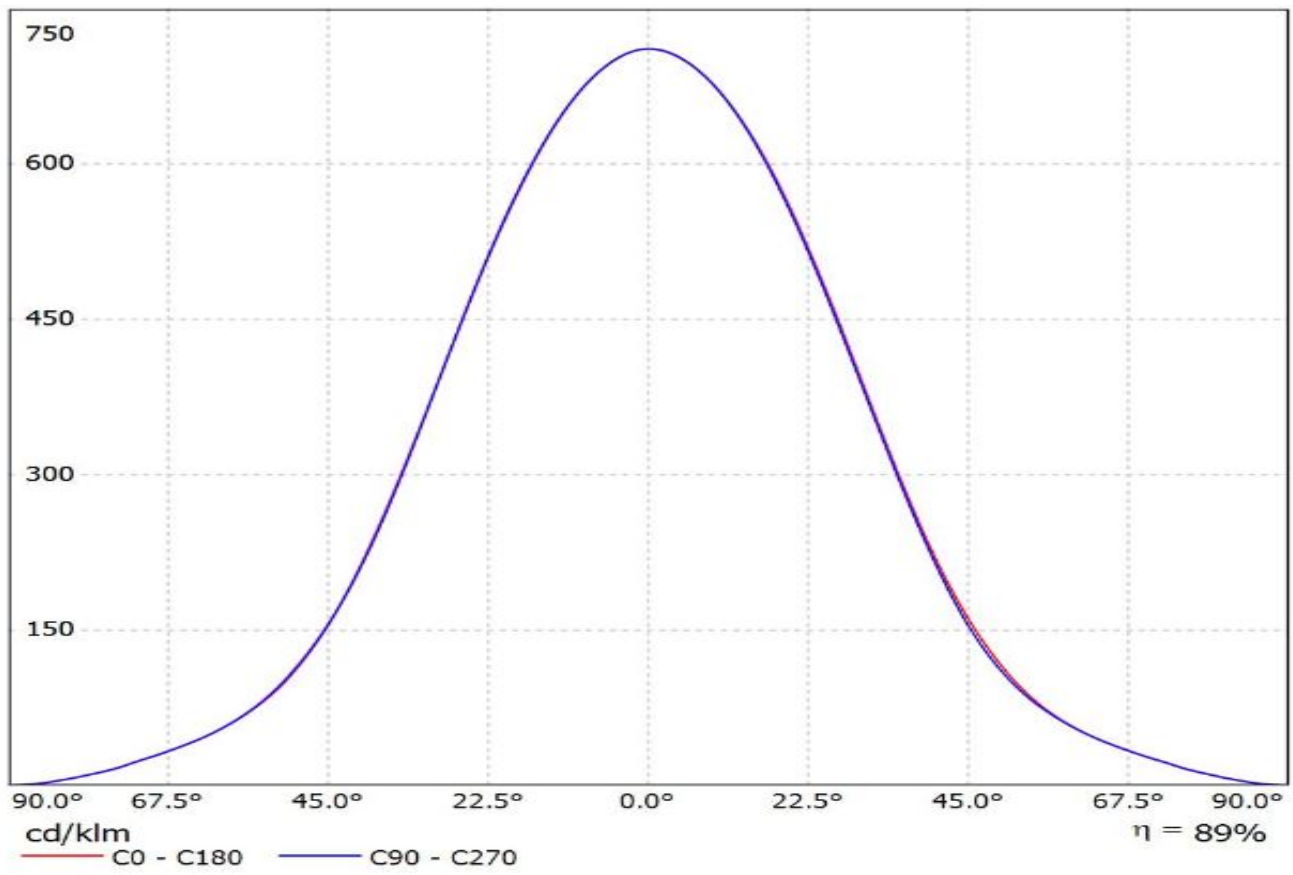
Lamps: 1 x Seoul_MJT_6W_Les6mm_(SAWx0661A)_839.36lm@180mA_P=6.54282W_I=0.18A



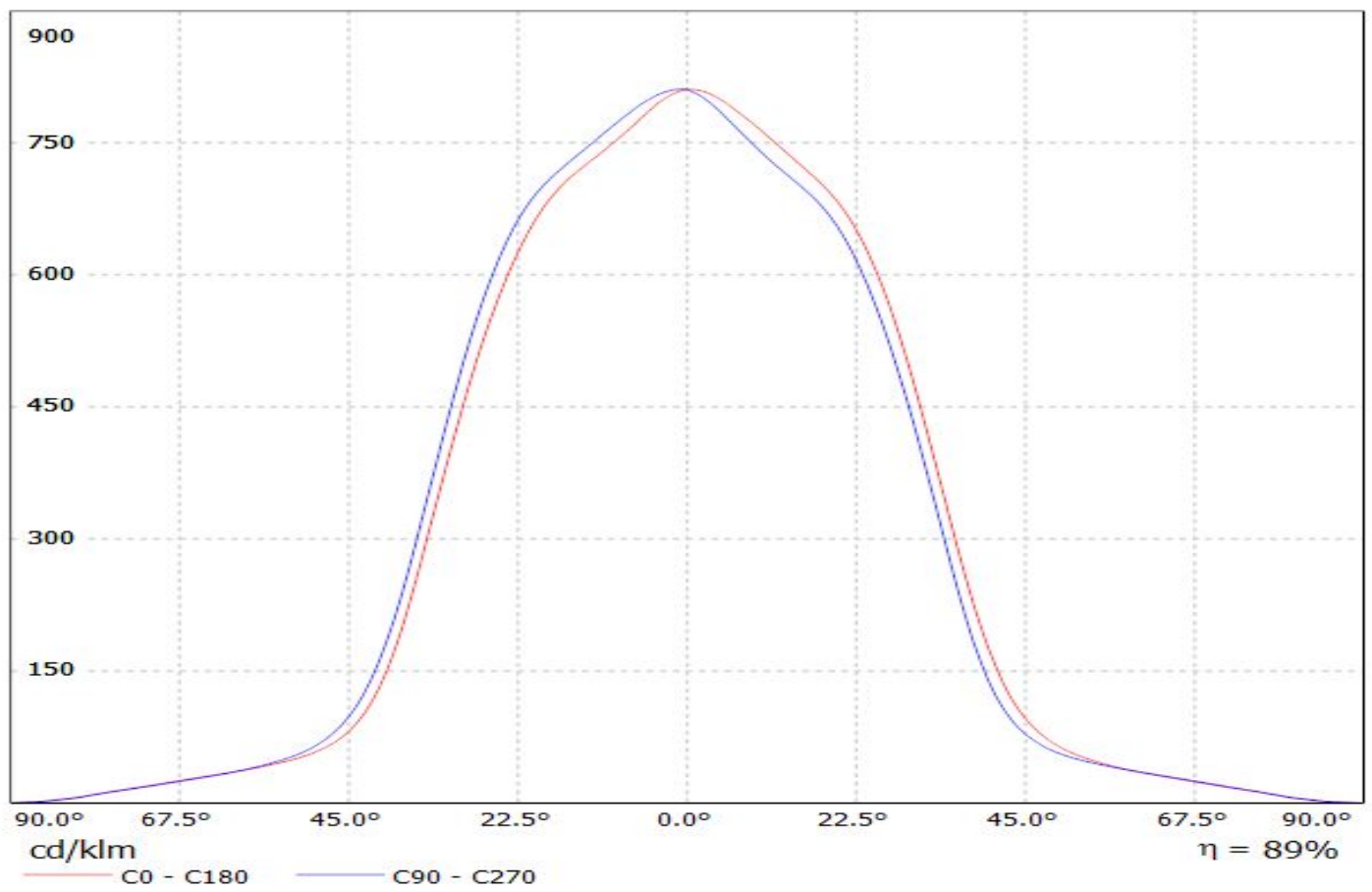
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(MINIZENIGATA) Eff.91.8%
Lamps: 1 x MINIZENIGATA_(6W6BR30HGD)_792.234lm@250mA_P=8.65382W_I=249.8mA



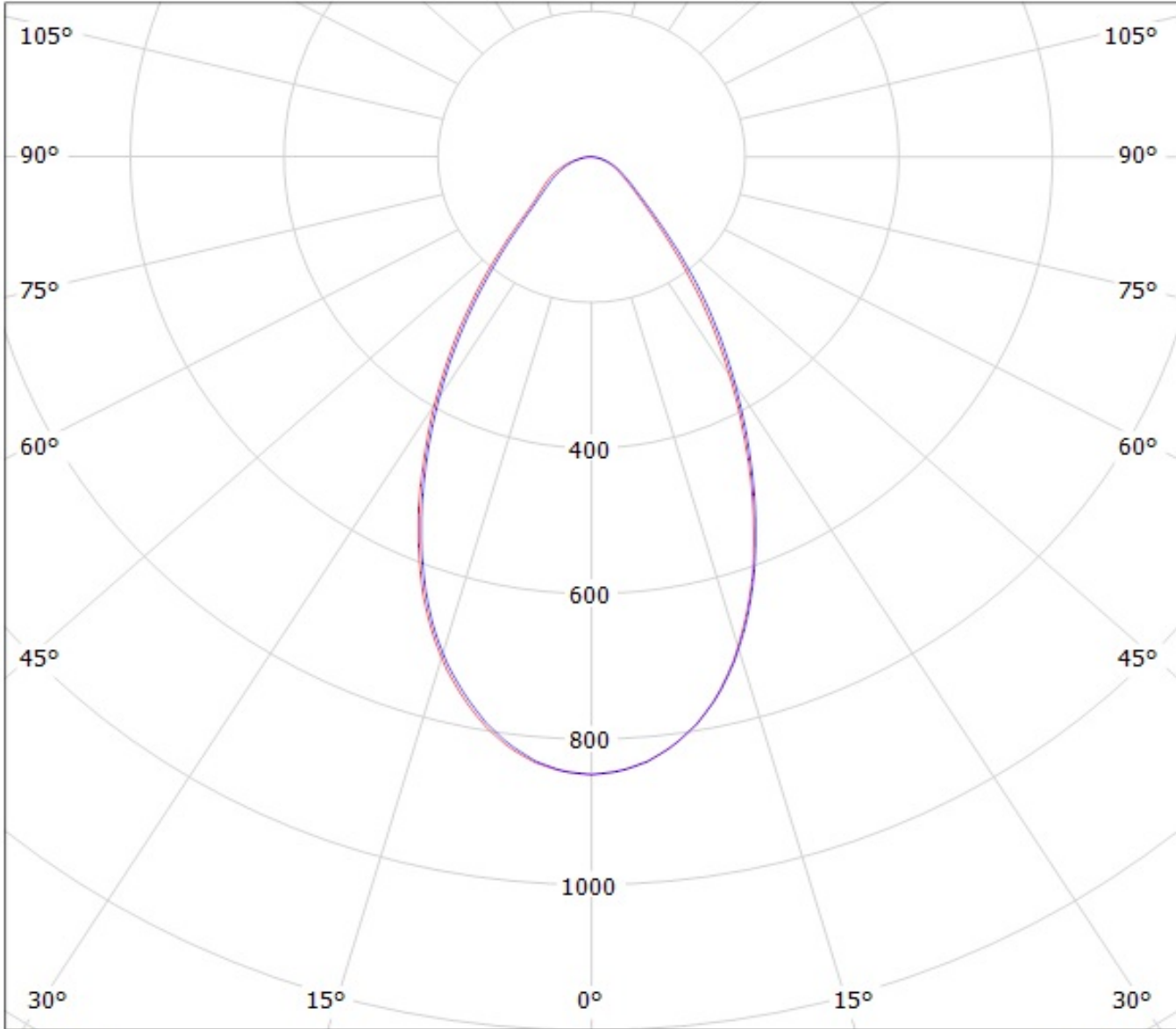
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(SLE-G5_LES-15)
Lamps: 1 x Tridonic_SLE-G5_LES-15_1280.24lm@250mA_P=8.6273W_I=0.250A



Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(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_(VERO10) Eff.92%
Lamps: 1 x VERO10_(BXRC-30E1000B)_625lm@250mA_CCT=3000K_P=6.18827W_I=249.9mA

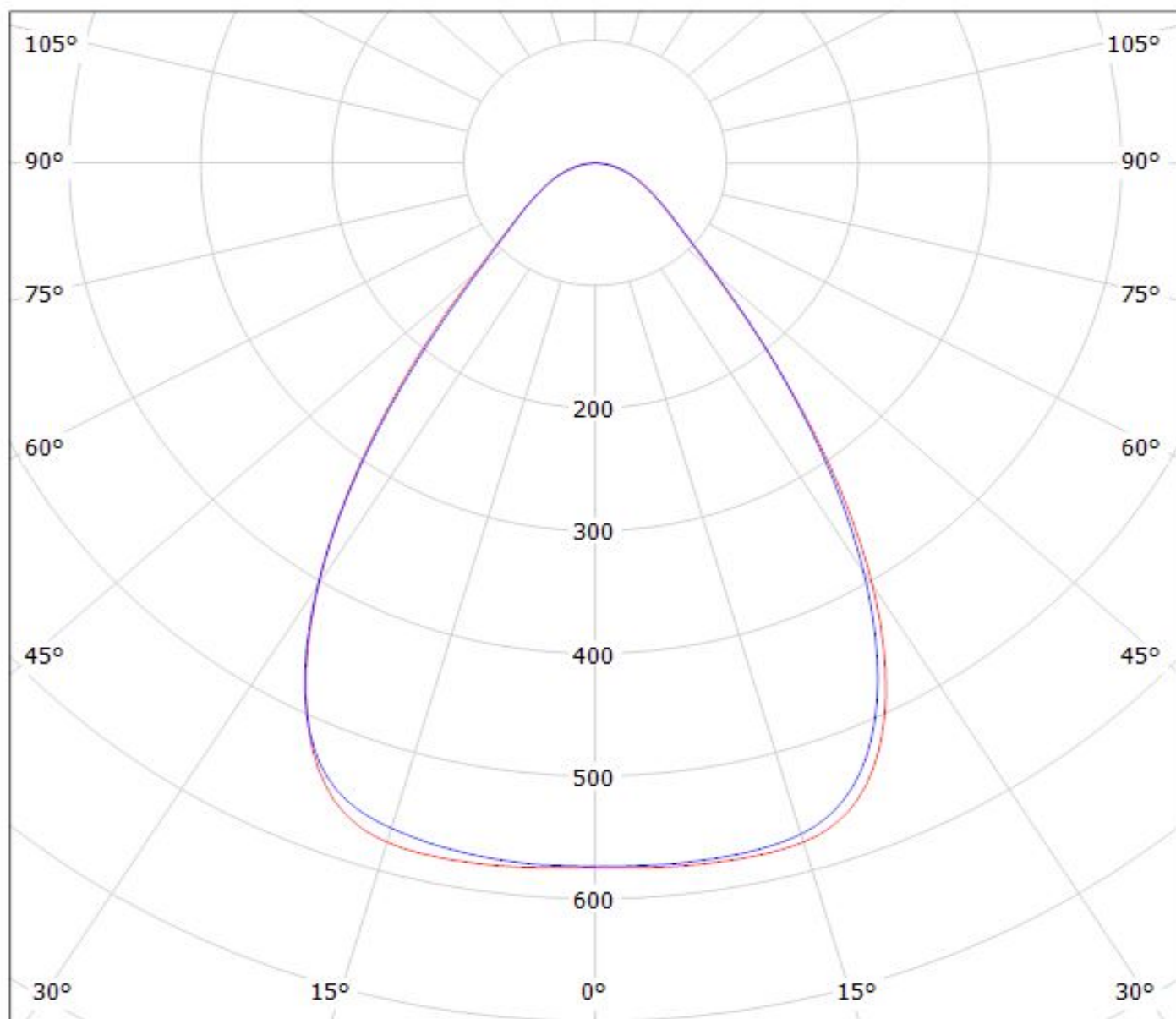


cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

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



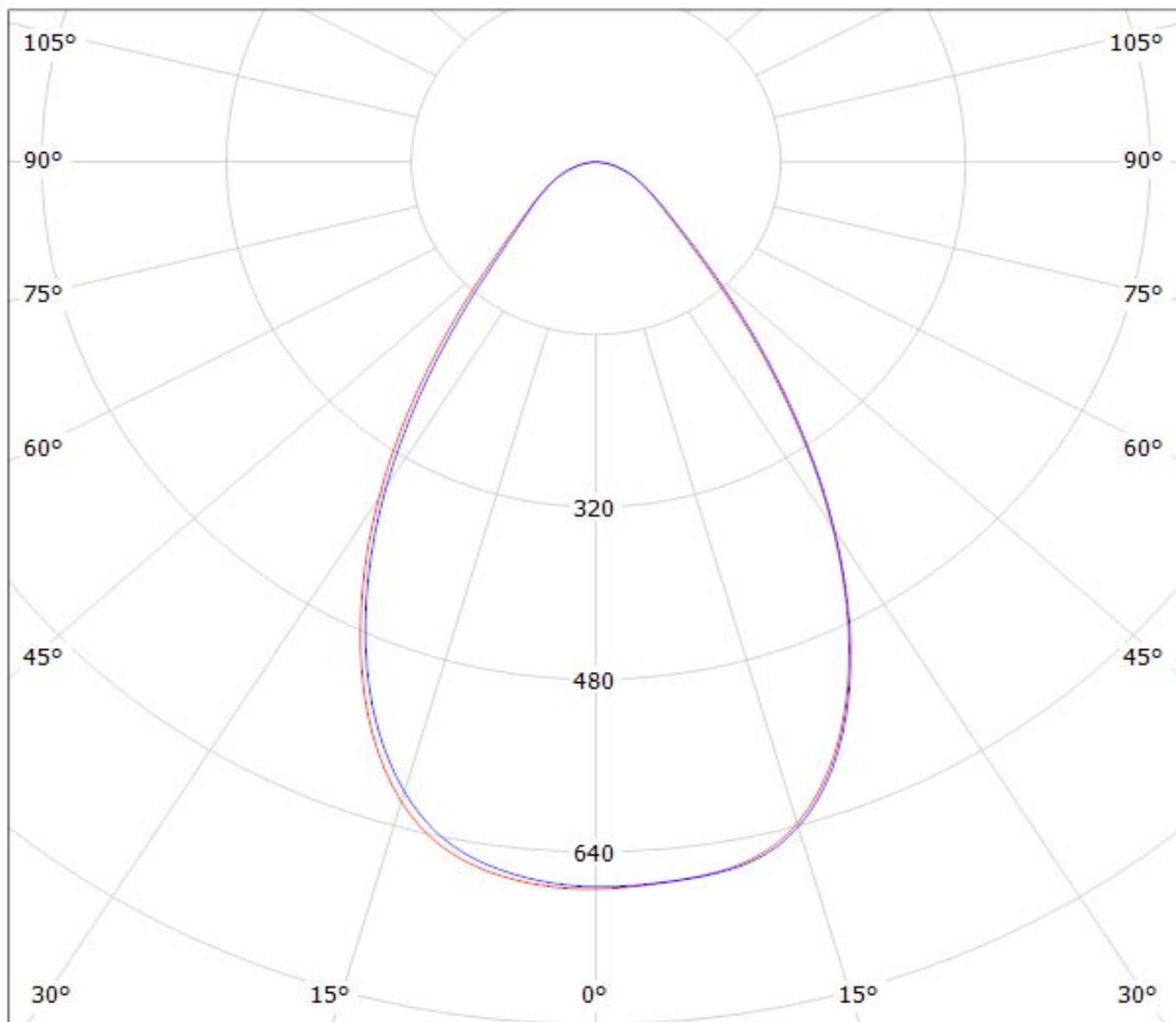
cd/klm

— C0 - C180

— C90 - C270

$\eta = 88\%$

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



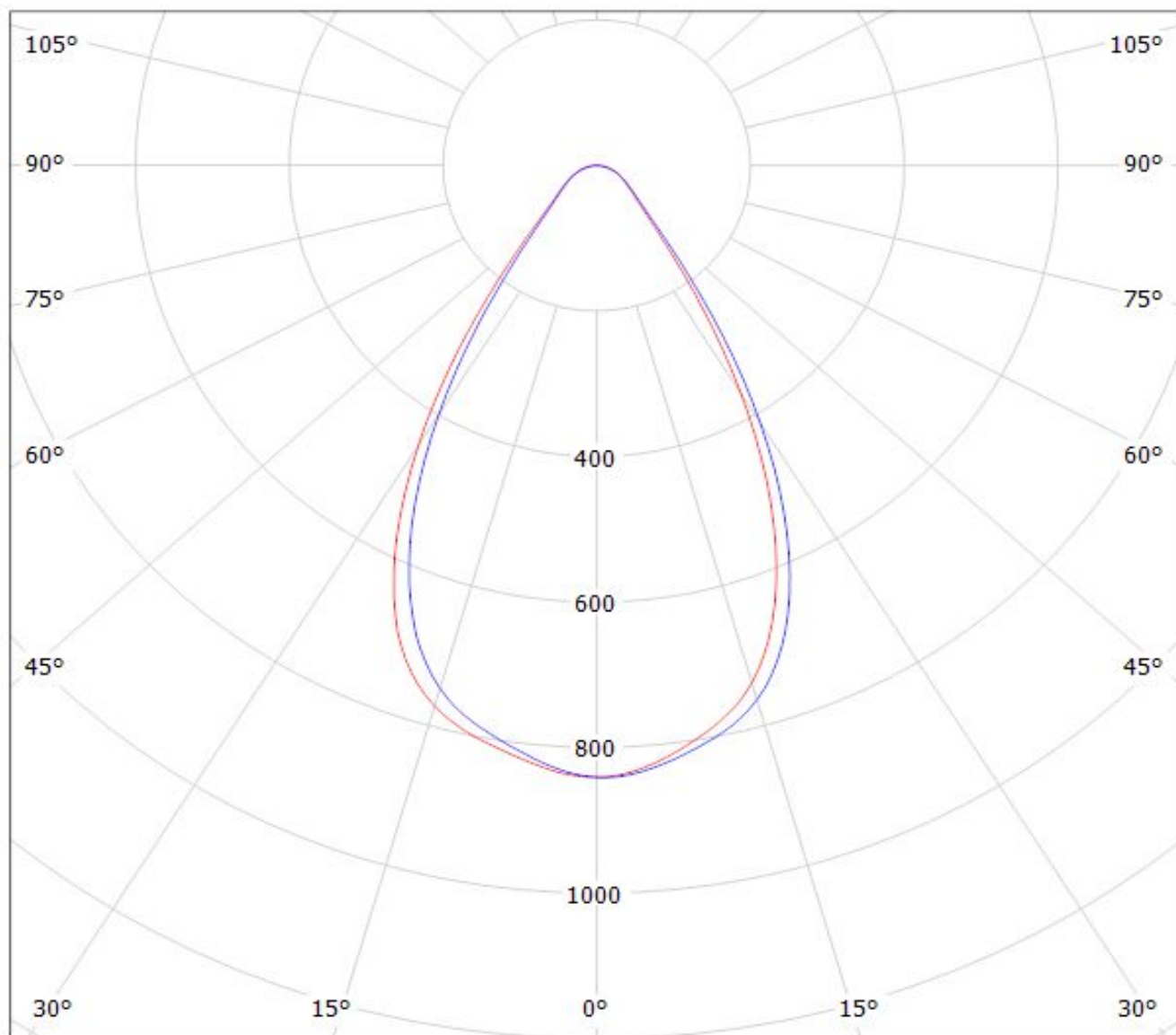
cd/klm

— C0 - C180 — C90 - C270

$\eta = 88\%$

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



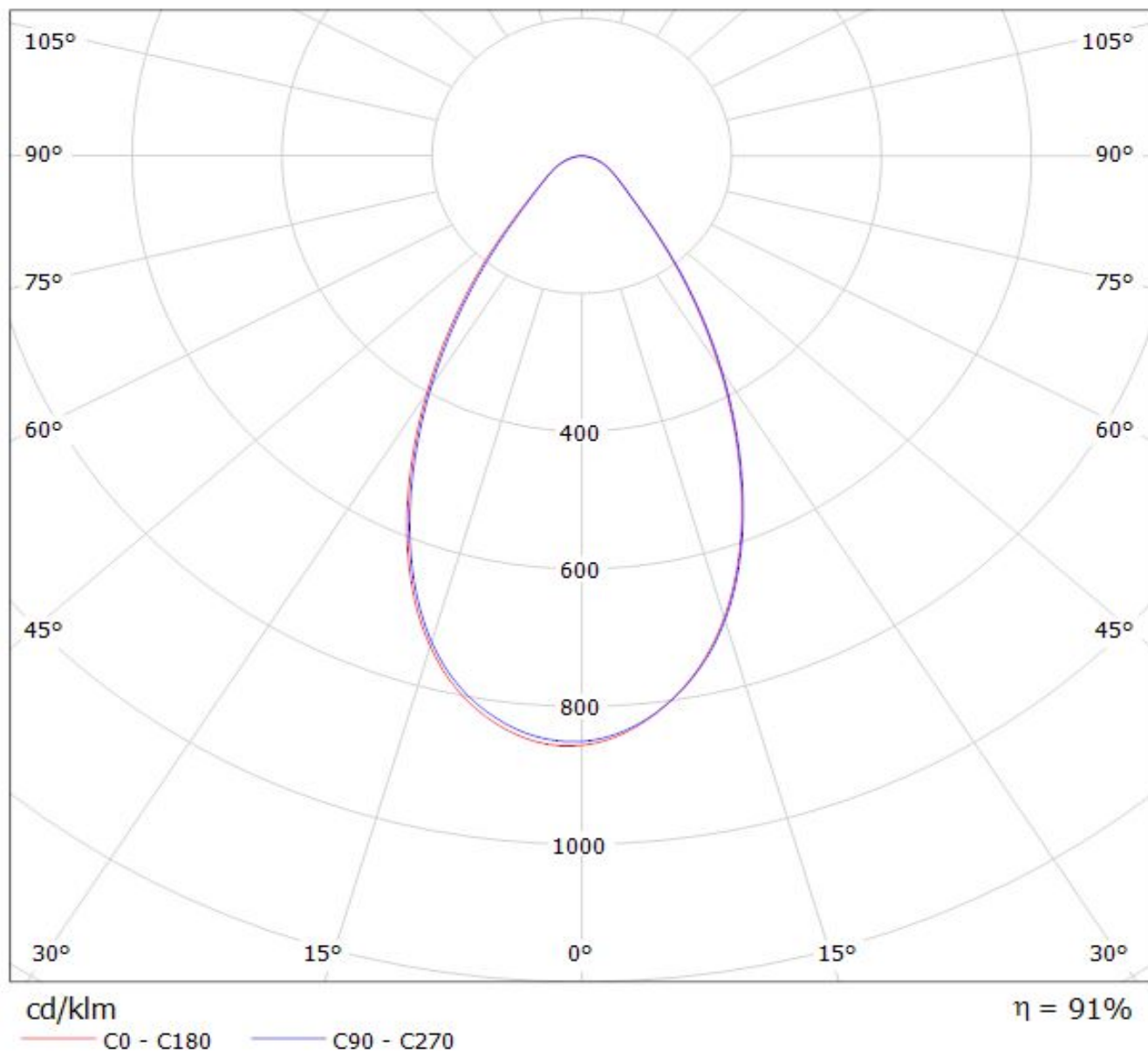
cd/klm

— C0 - C180

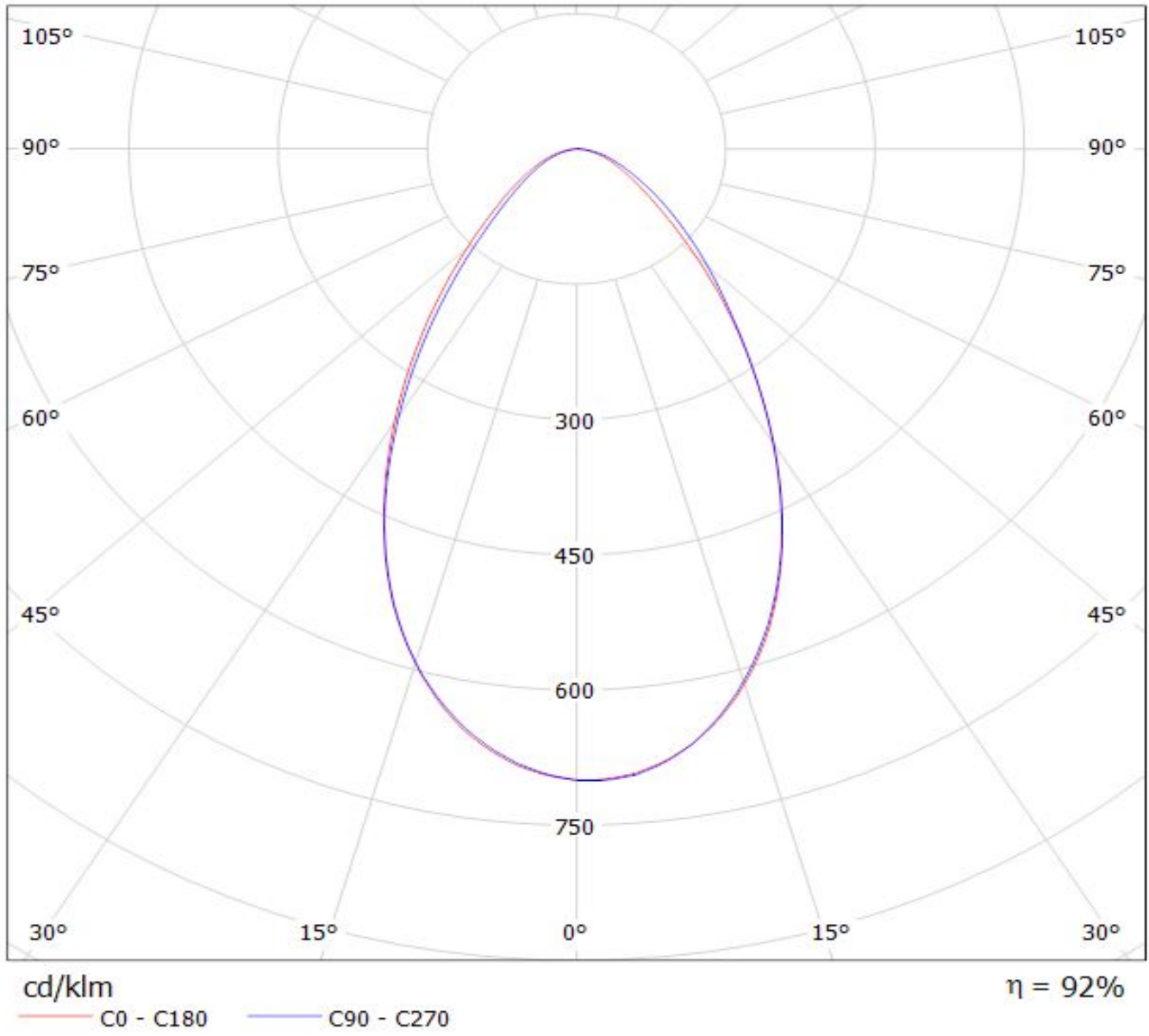
— C90 - C270

$\eta = 92\%$

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

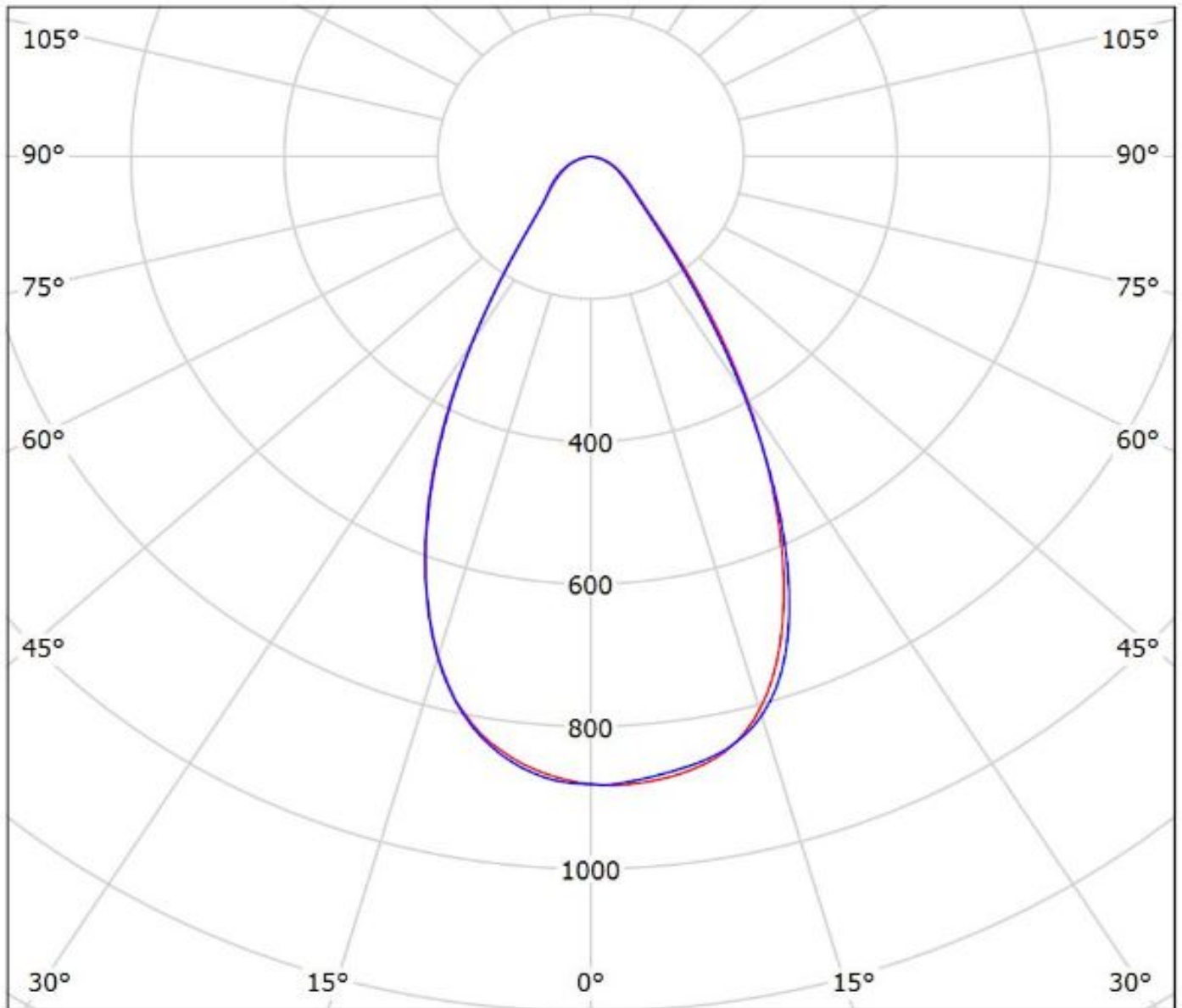


Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(CLL030-1206A1) Eff.92.0%
Lamps: 1 x CLL030-1206A1_(303M1A2)_802.683lm@250mA_P=8.76248W_I=249.8mA



Luminaire: Ledil CN13990_SAGA-HB-IP-WHT_(CLU700)

Lamps: 1 x Citizen_CLU700_394.637lm@100mA_P=2.8W_I=0.10A



cd/klm

— C0 - C180

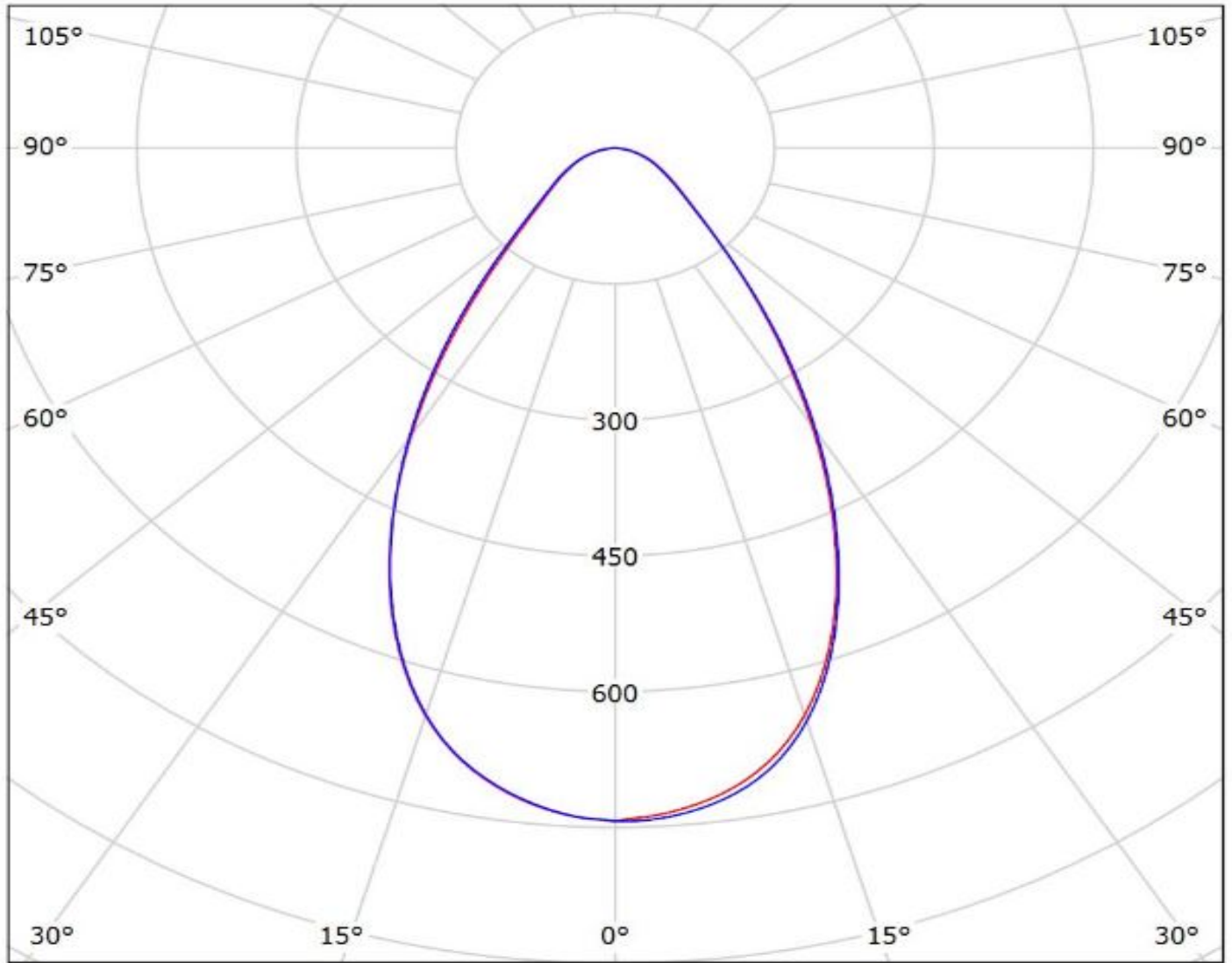
— C90 - C270

$\eta = 87\%$

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



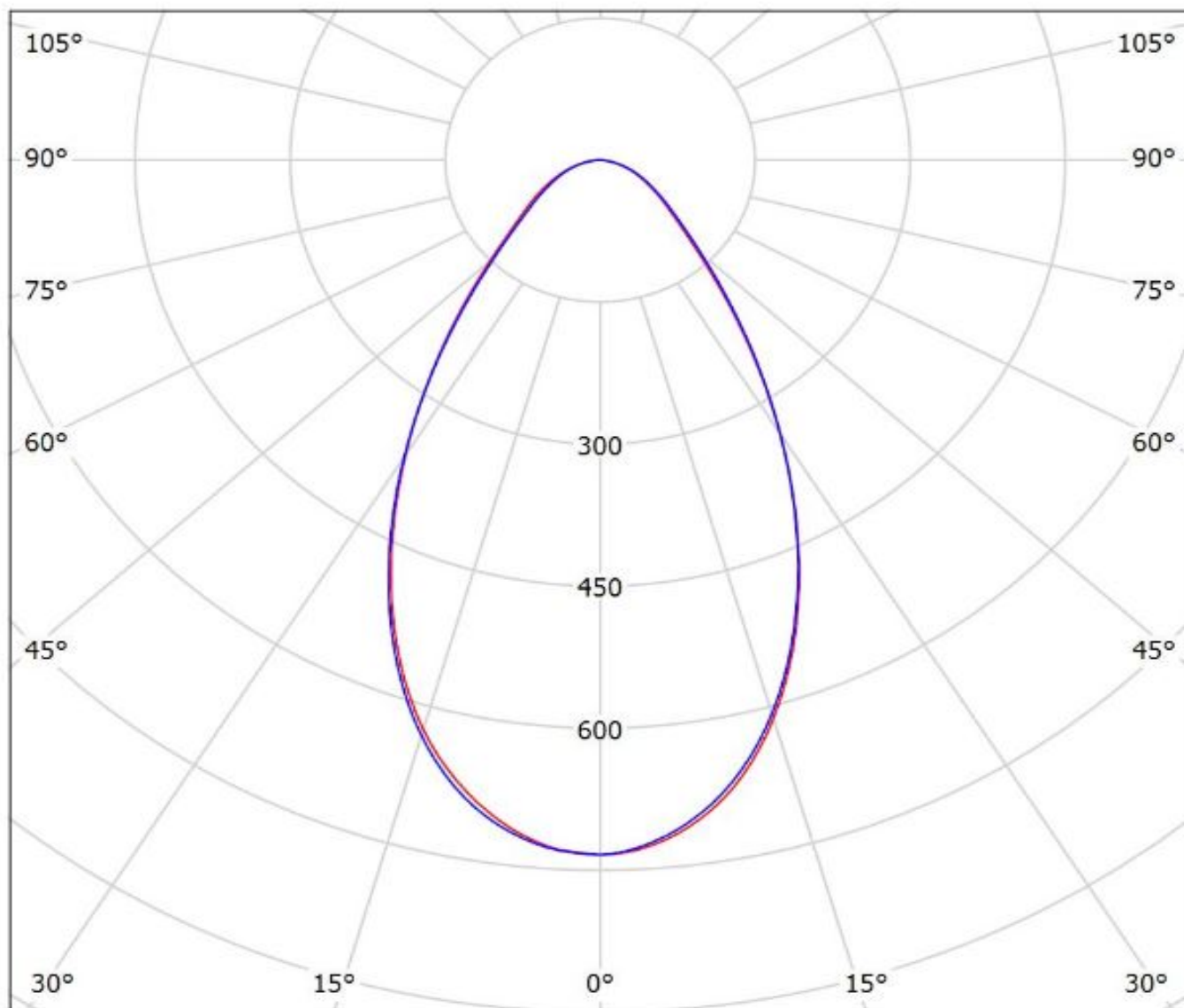
cd/klm

— C0 - C180

— C90 - C270

η = 90%

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



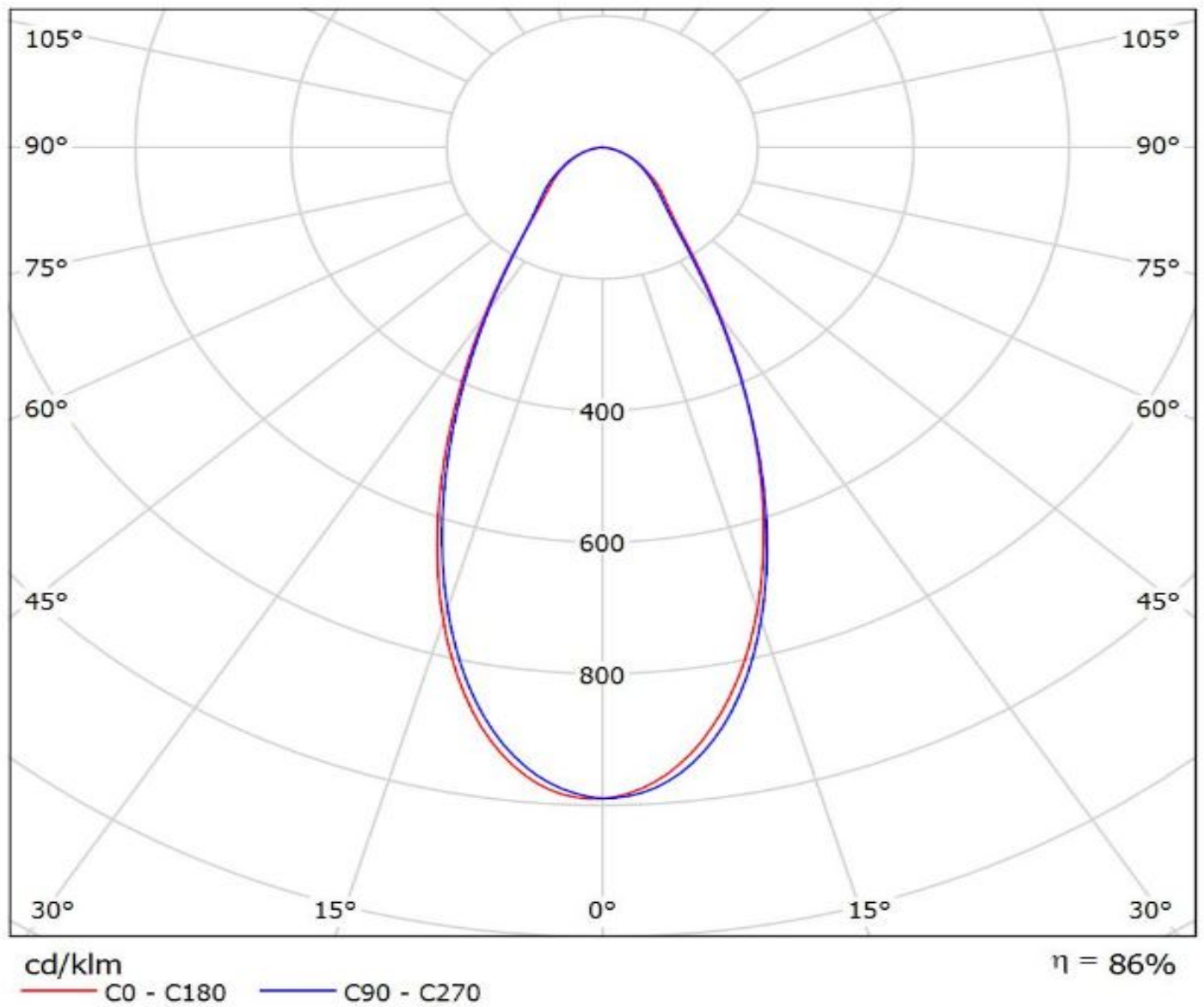
cd/klm

— C0 - C180 — C90 - C270

$\eta = 89\%$

Ledil CN13990_SAGA-HB-IP-WHT_(CLU024) / LDC (Polar)

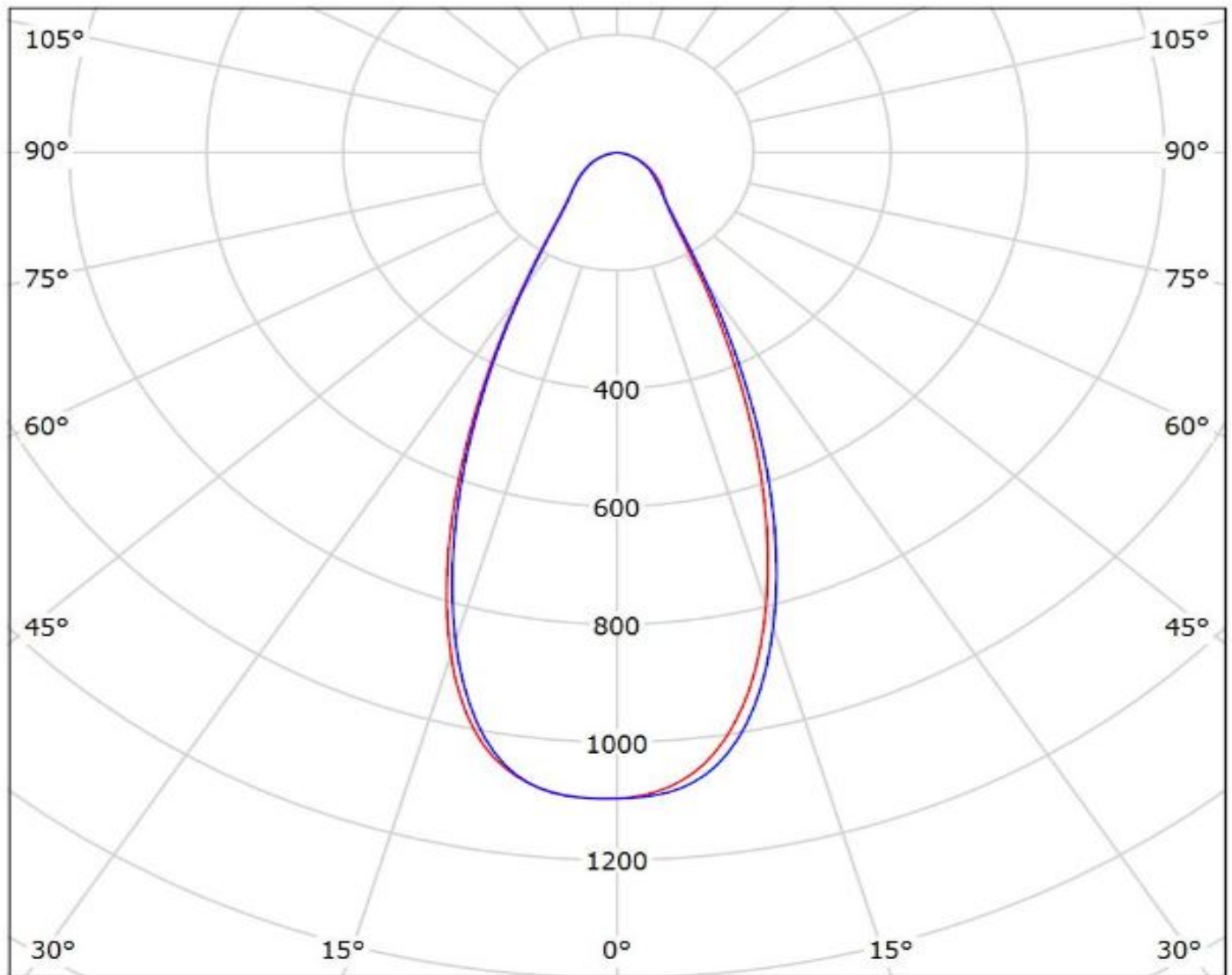
Luminaire: Ledil CN13990_SAGA-HB-IP-WHT_(CLU024)
Lamps: 1 x Citizen_CLU024_(CLU024-1204B8-303M1A2)
_1071.67lm@250mA_CCT=3000K_P=8.56W_I=0.25A



Ledil CN13990_SAGA-HB-IP-WHT_(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



cd/klm

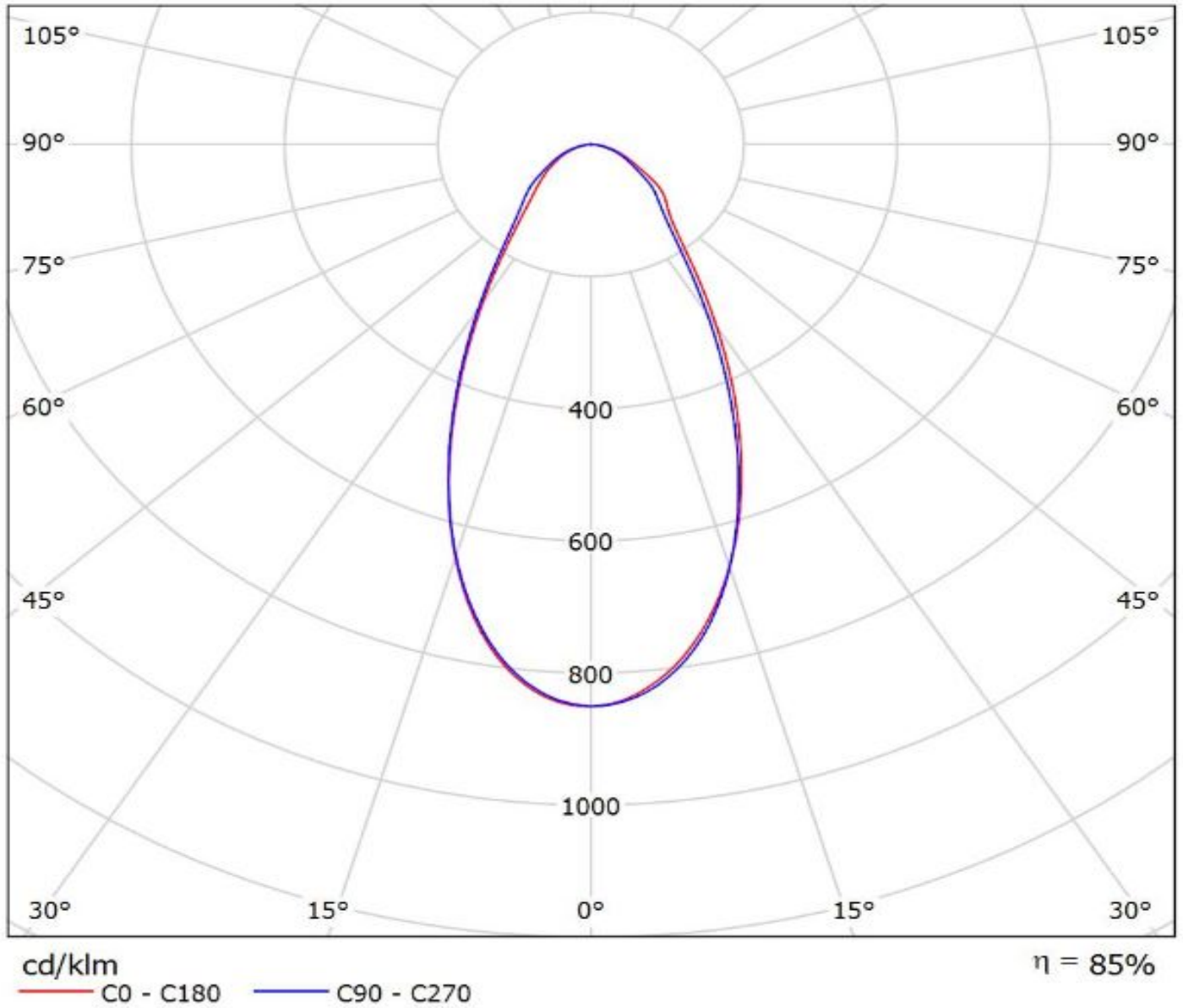
— C0 - C180 — C90 - C270

$\eta = 86\%$

Ledil CN13990_SAGA-HB-IP-WHT_(CLU720) / LDC (Polar)

Luminaire: Ledil CN13990_SAGA-HB-IP-WHT_(CLU720)

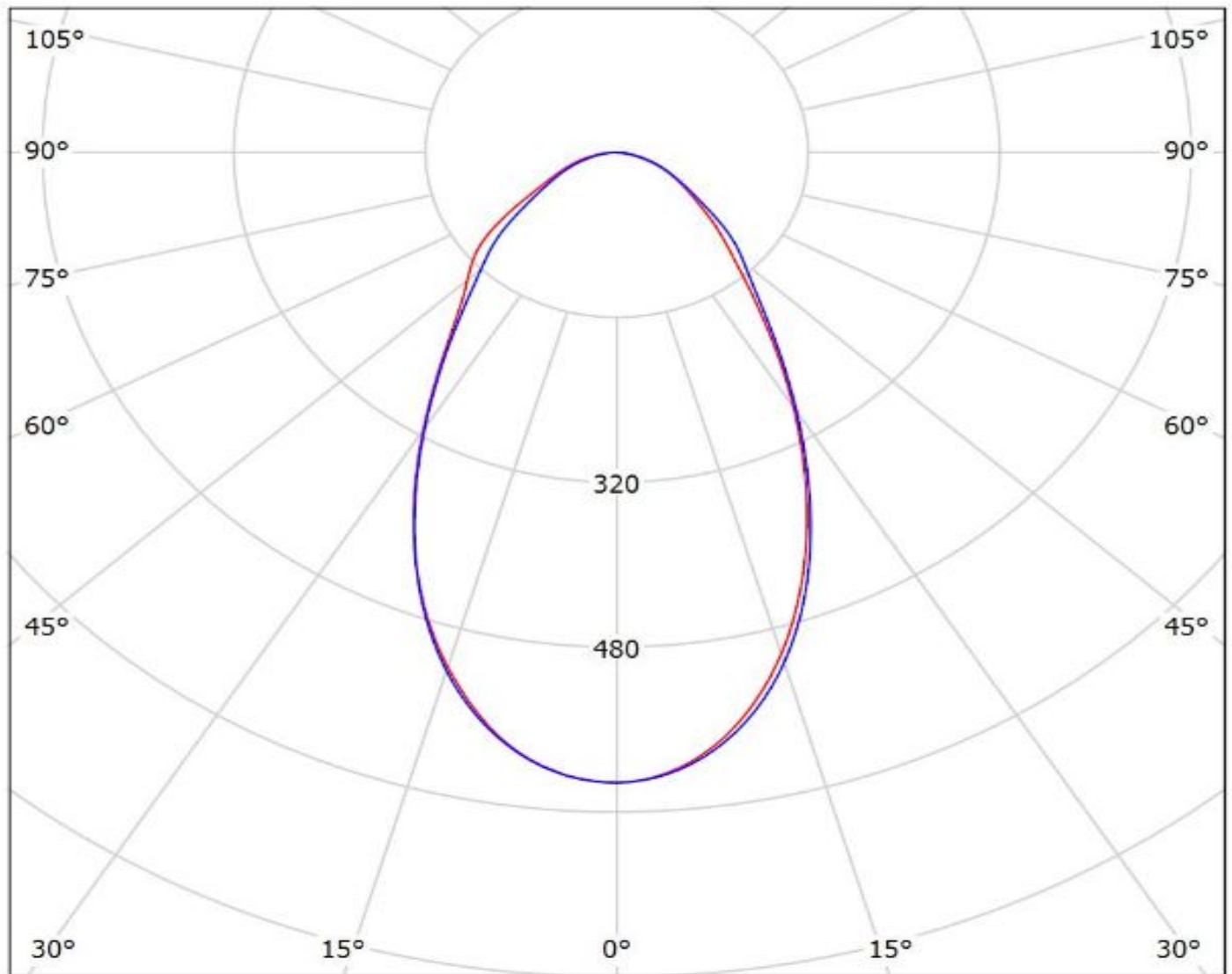
Lamps: 1 x Citizen_CLU720_(CLU720-1206B8-273M2G1)_1253.68lm@250mA_P=8.3W_I=0.25A



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

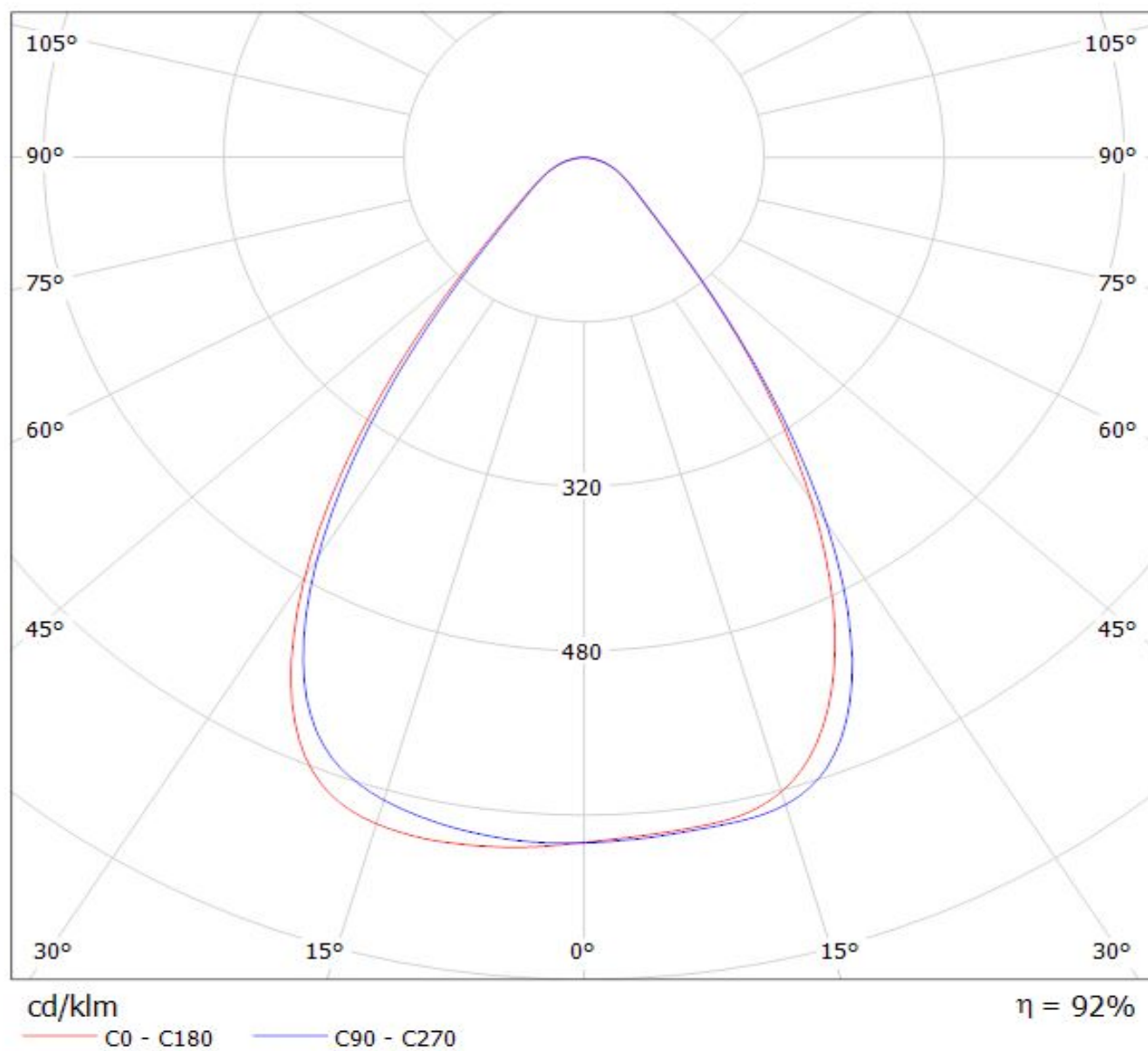


cd/klm

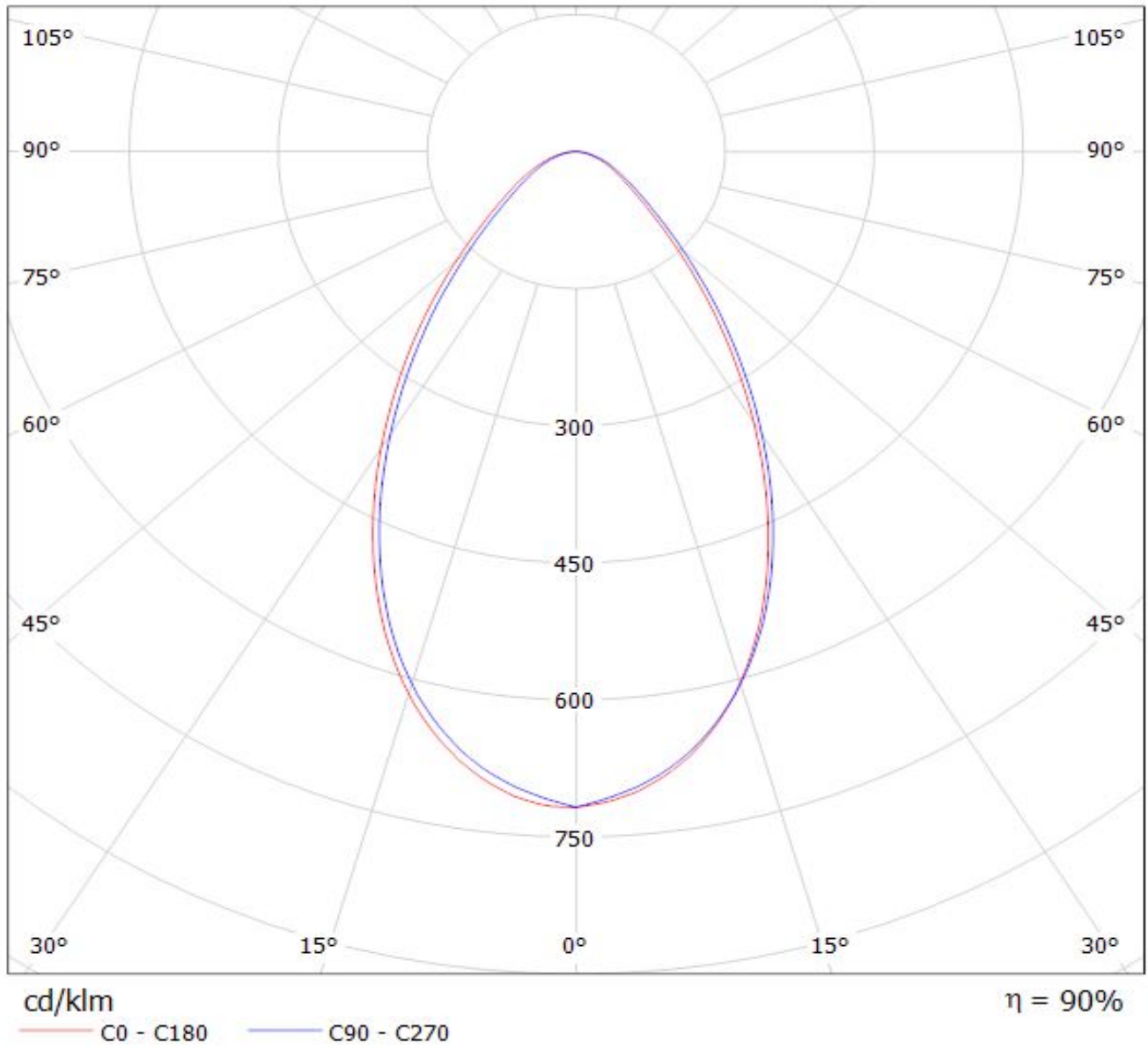
— C0 - C180 — C90 - C270

$\eta = 84\%$

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

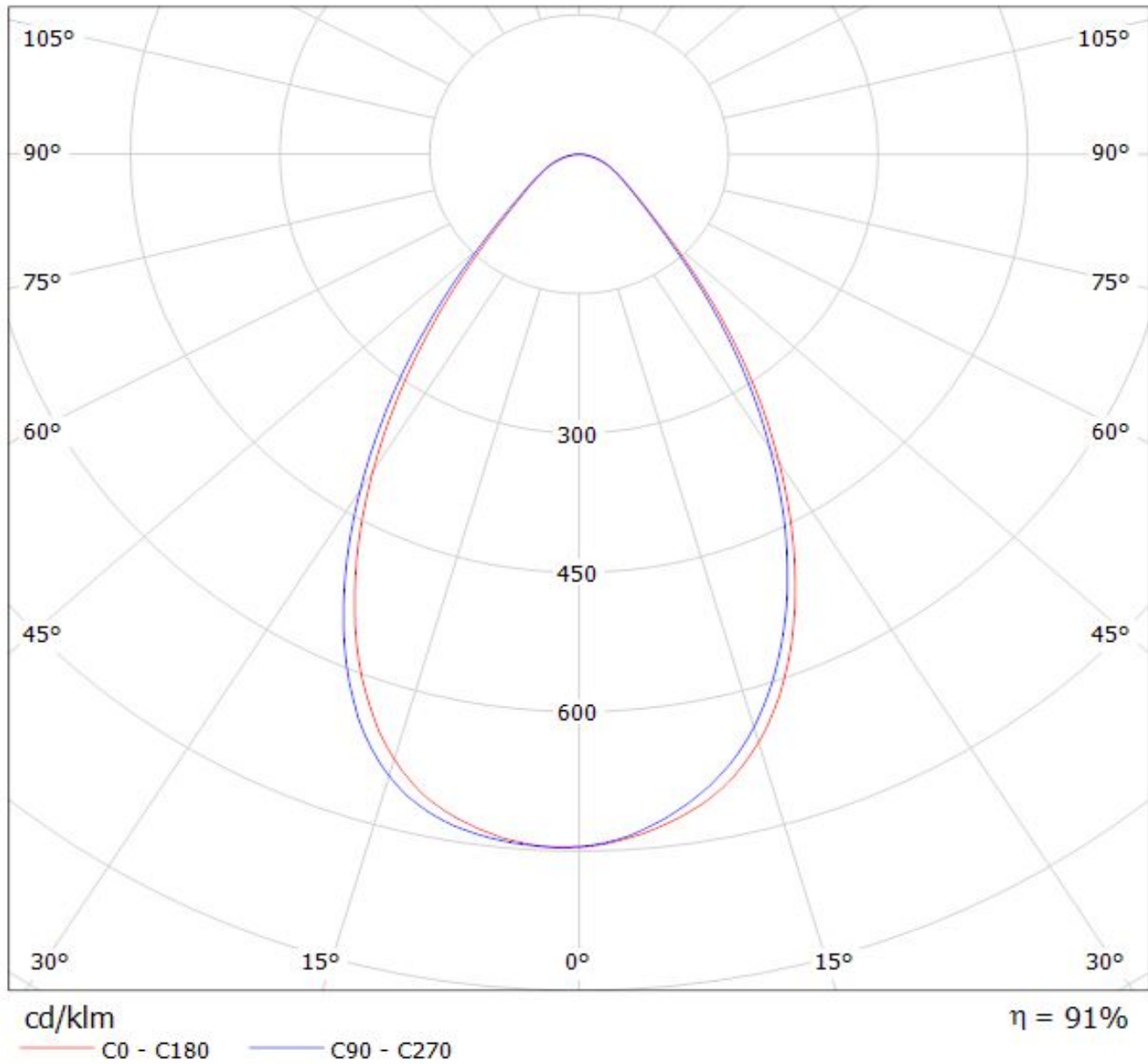


Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(CXA1816) Eff. 90%
Lamps: 1 x Cree_CXA1816_1049.36lm@250mA_P=8.6161W_I=249.8mA



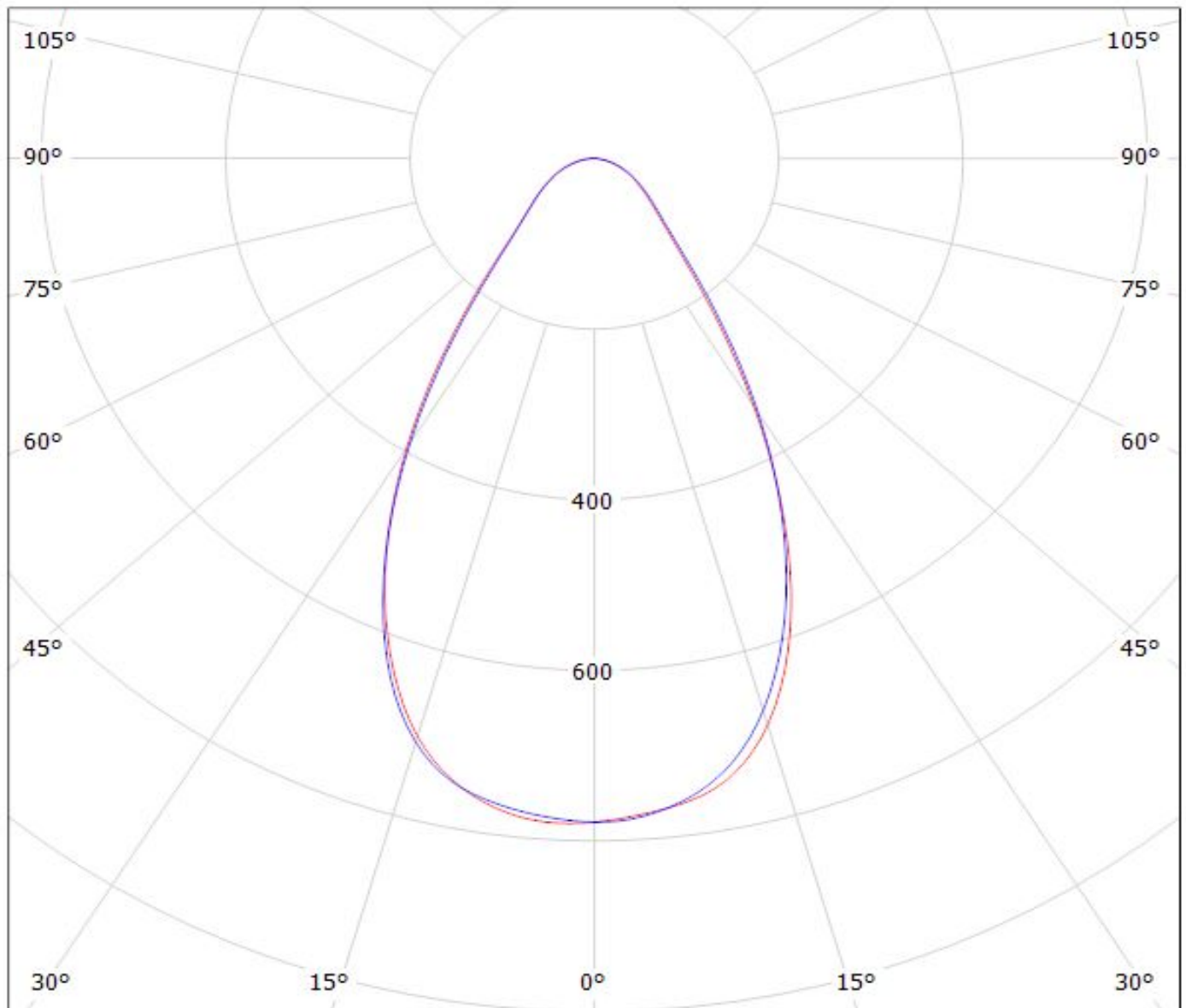
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(CXA1507) Eff.91.5%

Lamps: 1 x Cree_CXA1507_(CXA1507-30F-F2-N0A-0000) 219.37lm@50mA P=1.68662W I=50.2mA



Luminaire: Ledil CN13990_SAGA-HB-IP-WHT_(MHD-G)

Lamps: 1 x Cree MHD-G_530.44lm@100mA_P=3.0W_I=0.100A



cd/klm

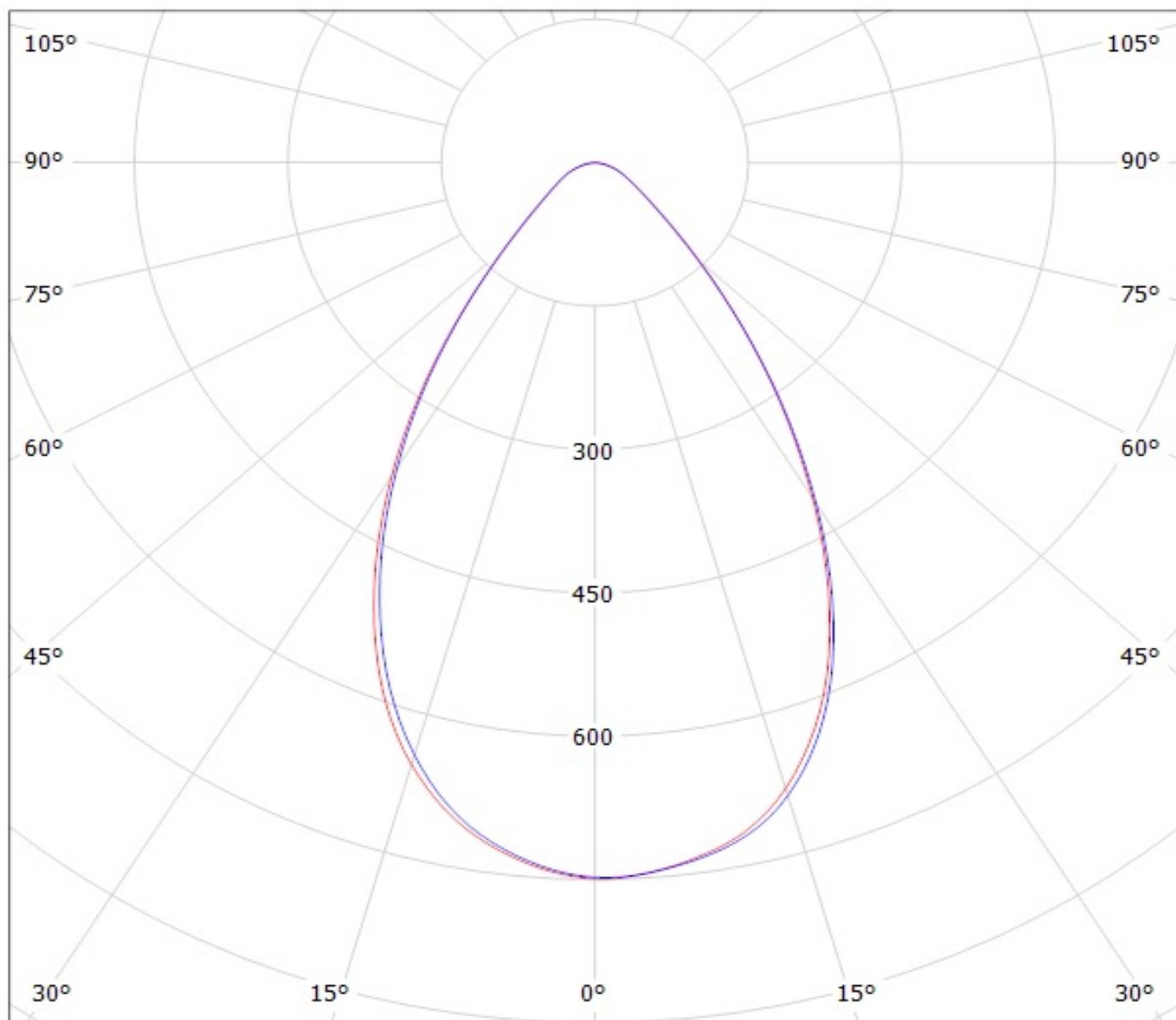
— C0 - C180

— C90 - C270

$\eta = 90\%$

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



cd/klm

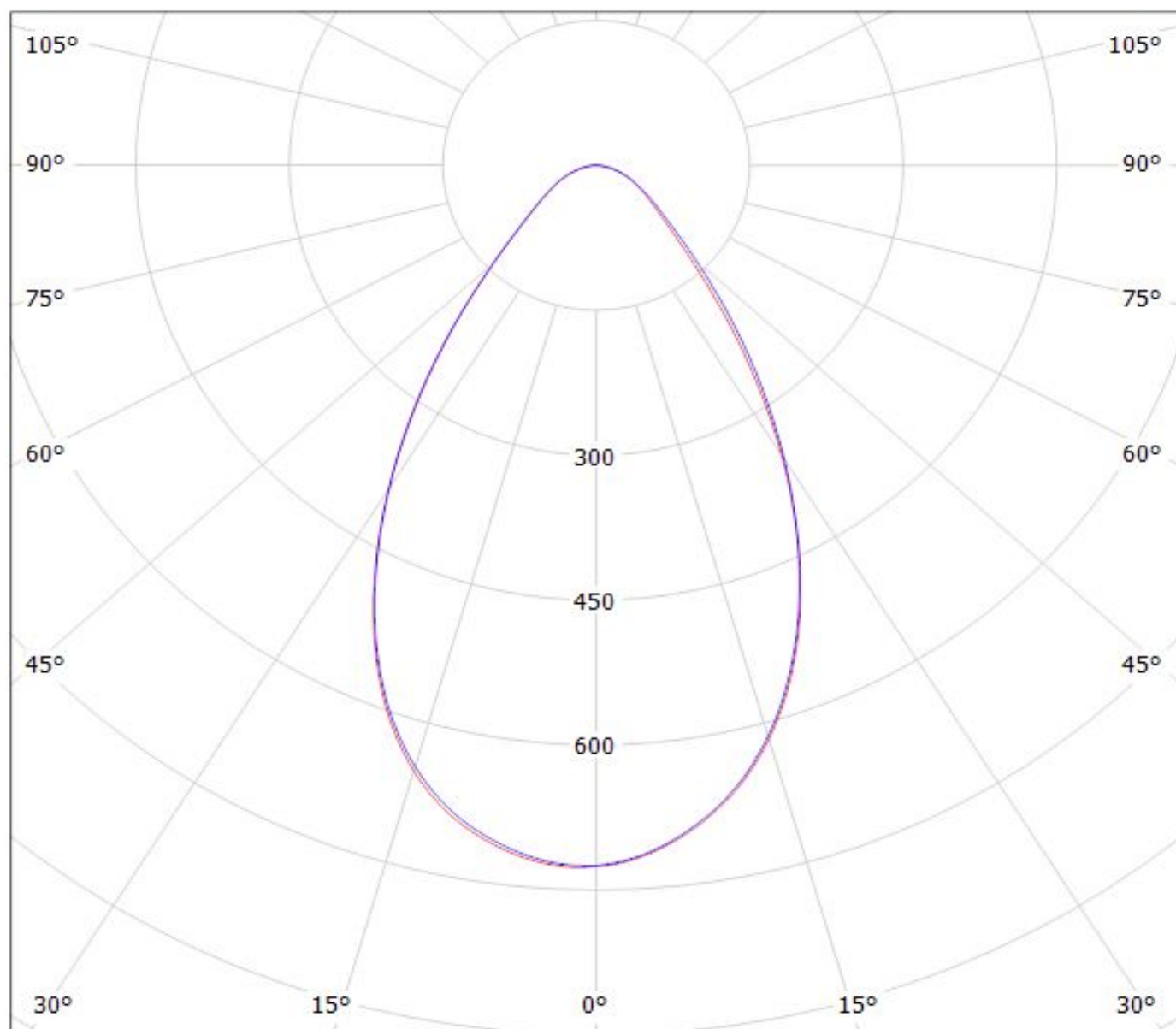
— C0 - C180

— C90 - C270

$\eta = 90\%$

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



cd/klm

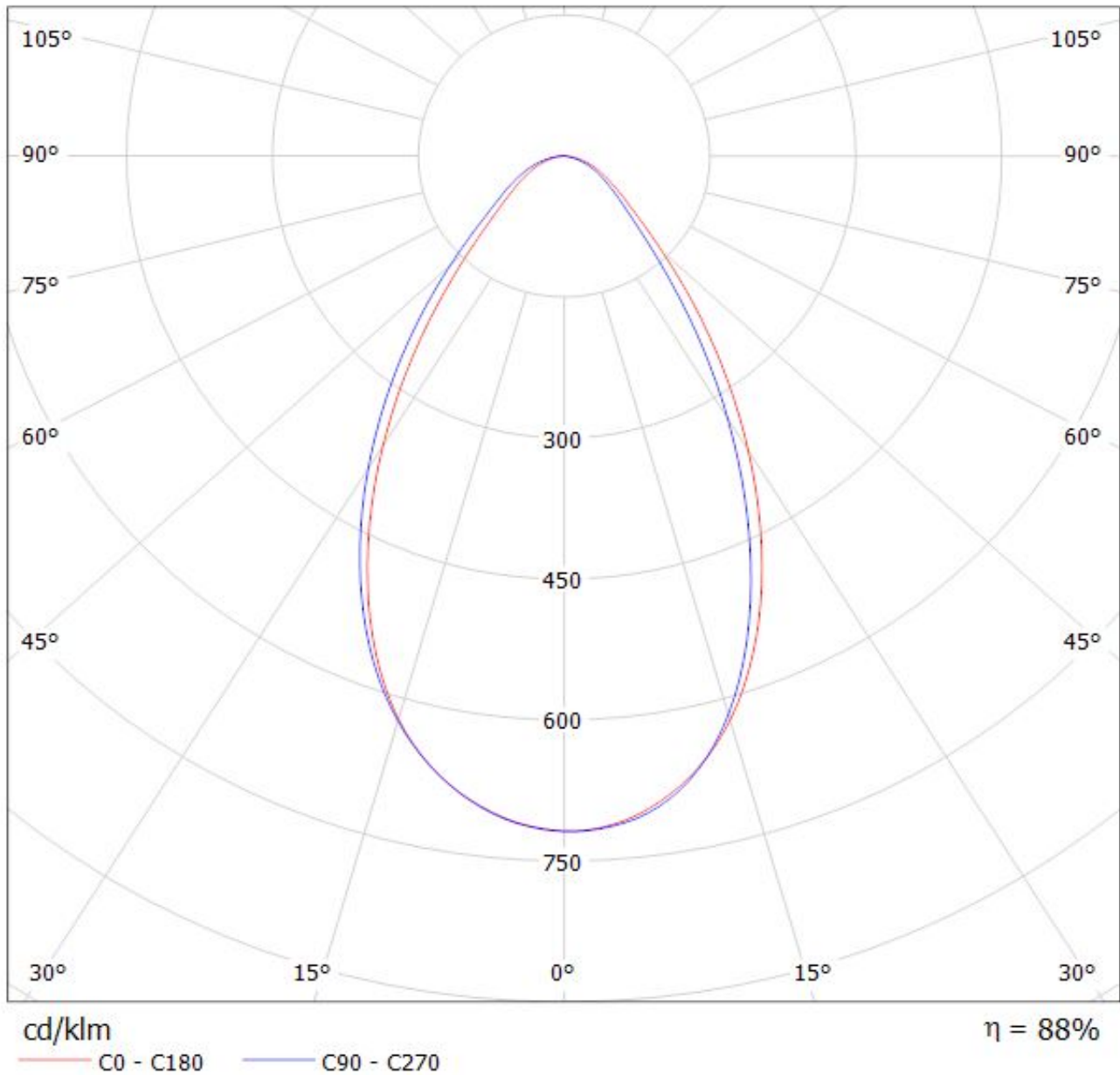
— C0 - C180

— C90 - C270

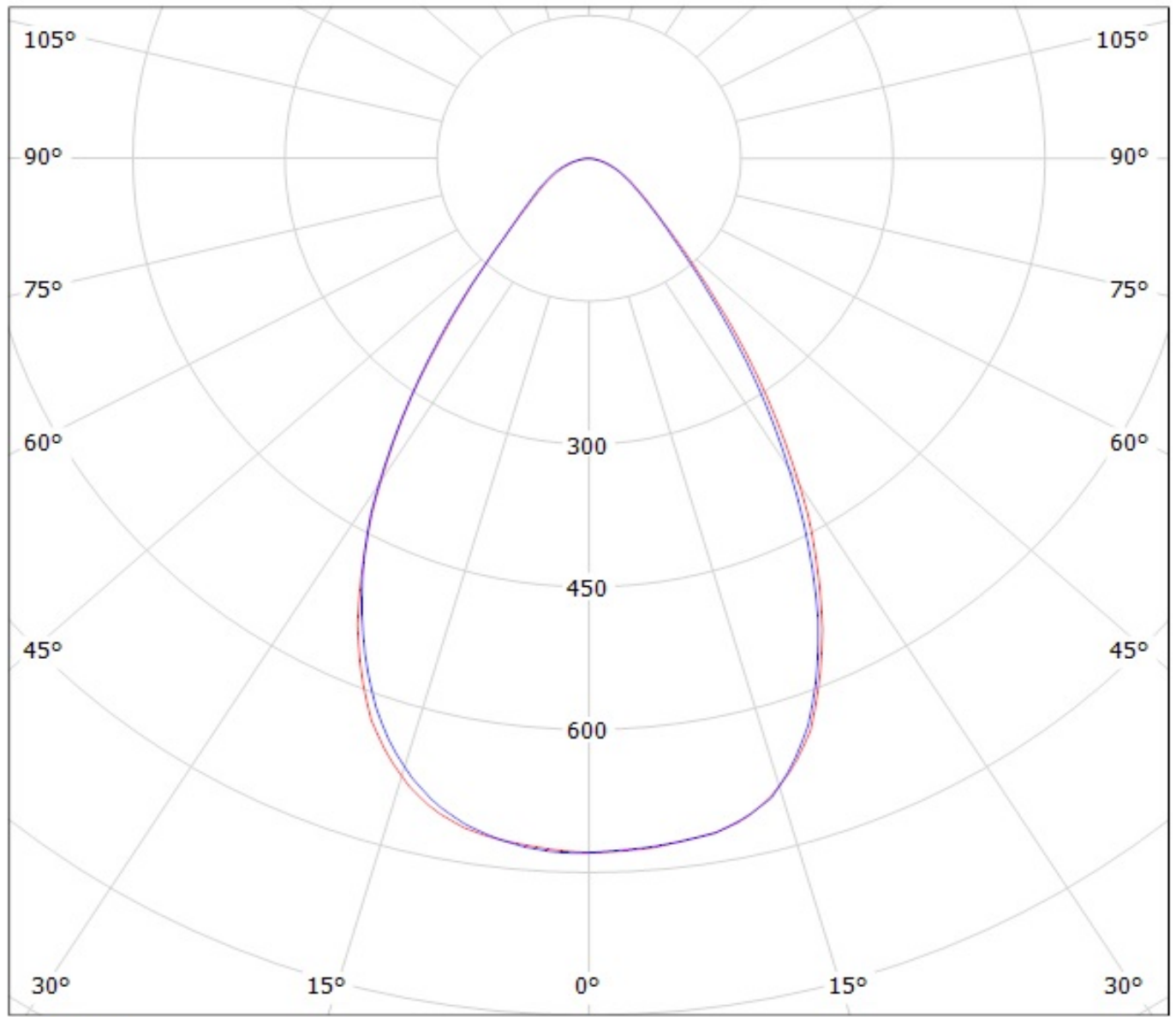
$\eta = 89\%$

Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT

Lamps: 1 x Luminus_XNOVA_CXM-9_(AA00)_945.175lm@240mA_P=8.21232W_I=240mA



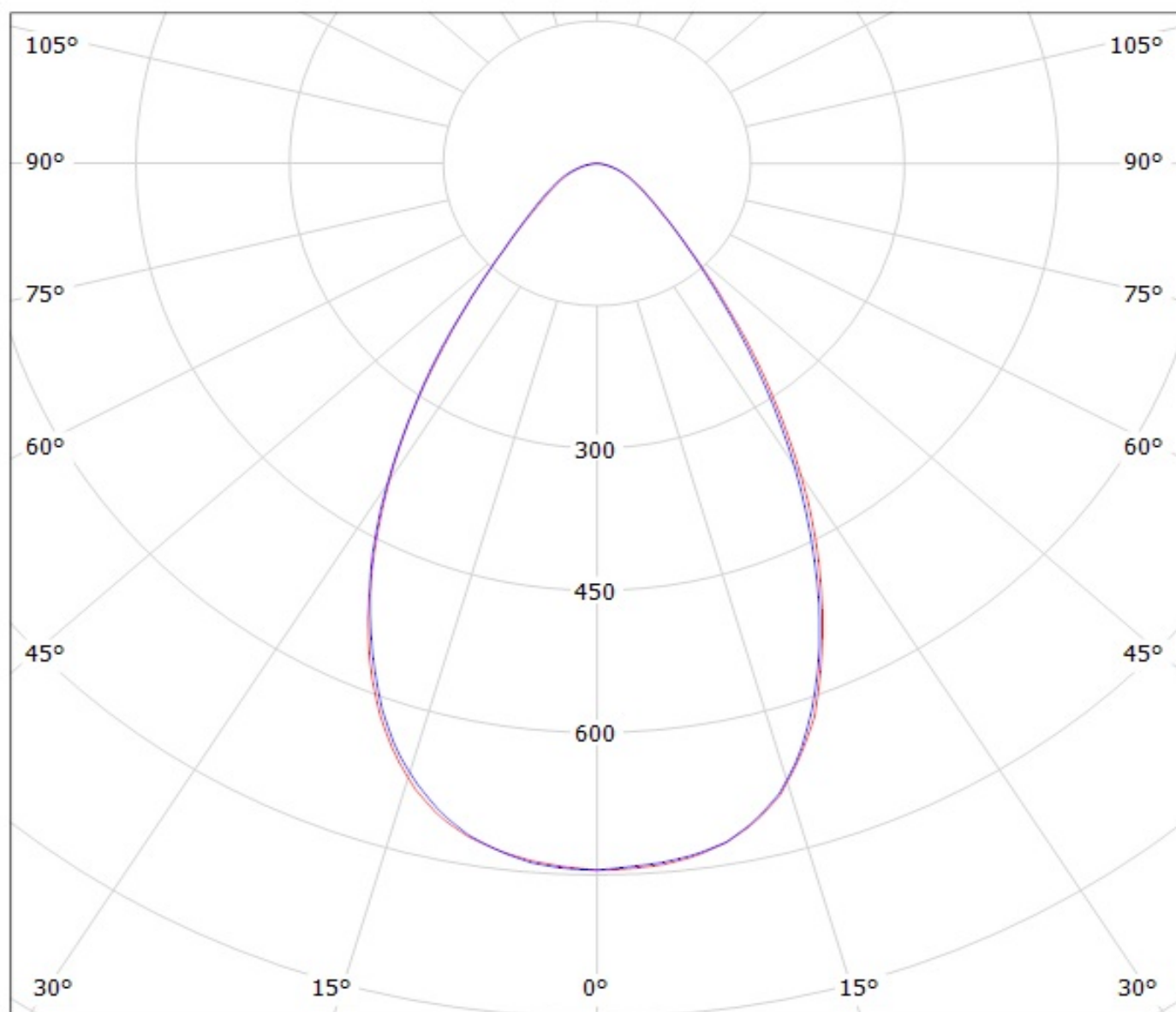
Luminaire: LEDil Oy CN13990_SAGA-HB-IP-WHT_(CXM-6) Efficiency=89%
Lamps: 1 x Luminus XNOVA CXM-6 (438lm @ 120mA) CCT=3200K P=4.2W I=120mA



cd/klm

— C0 - C180 — C90 - C270

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



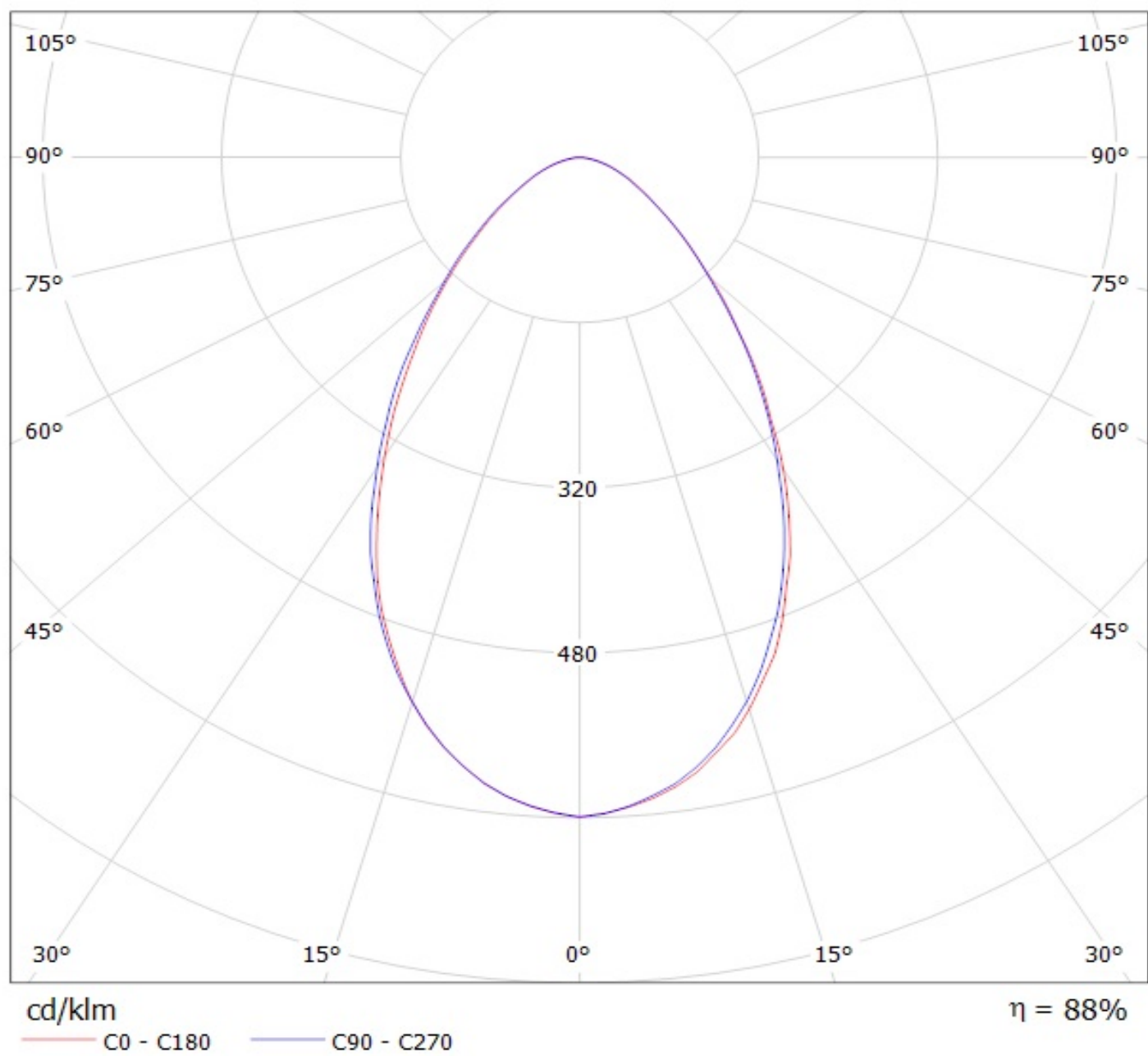
cd/klm

— C0 - C180

— C90 - C270

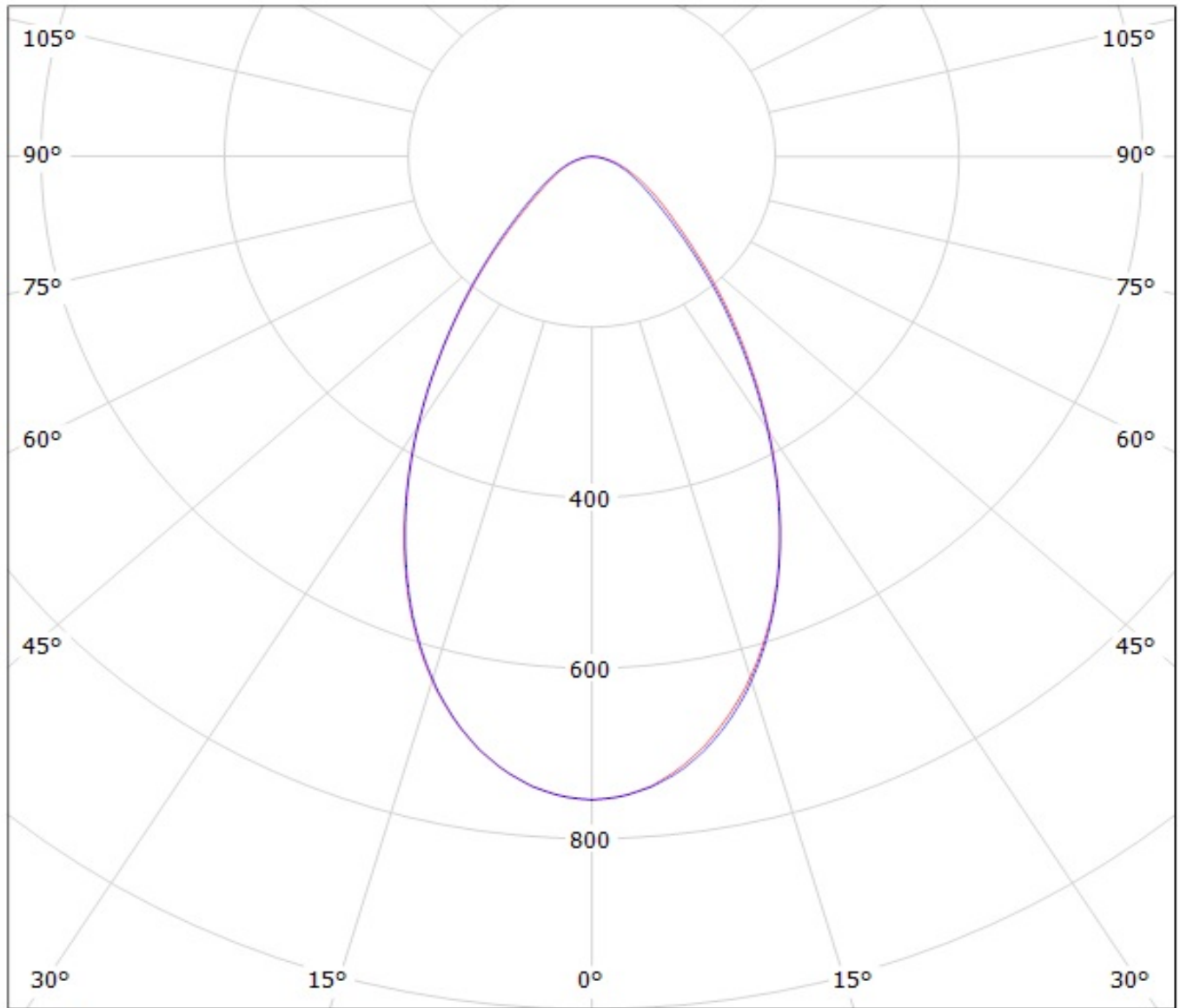
Luminaire: LEDil Oy CN13990_SAGA-HB-IP-WHT_(CXM-14)

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



Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(Soleriq_S13) Eff.91.2%

Lamps: 1 x Osram_Soleriq_S13_832.881lm@250mA_CCT=3125K_P=7.32389W_I=249.8mA



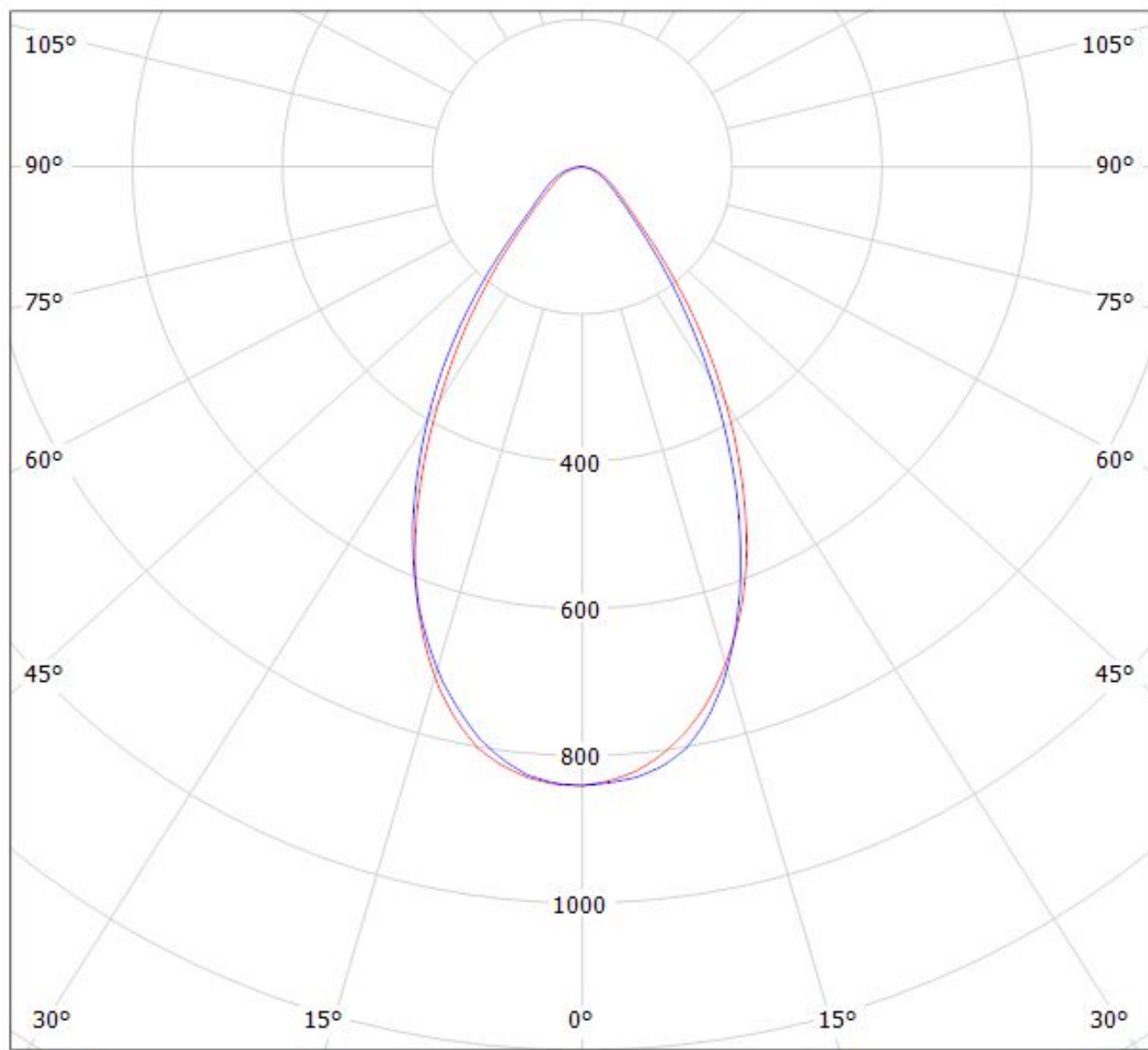
cd/klm

— C0 - C180

— C90 - C270

Luminaire: LEDiL 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



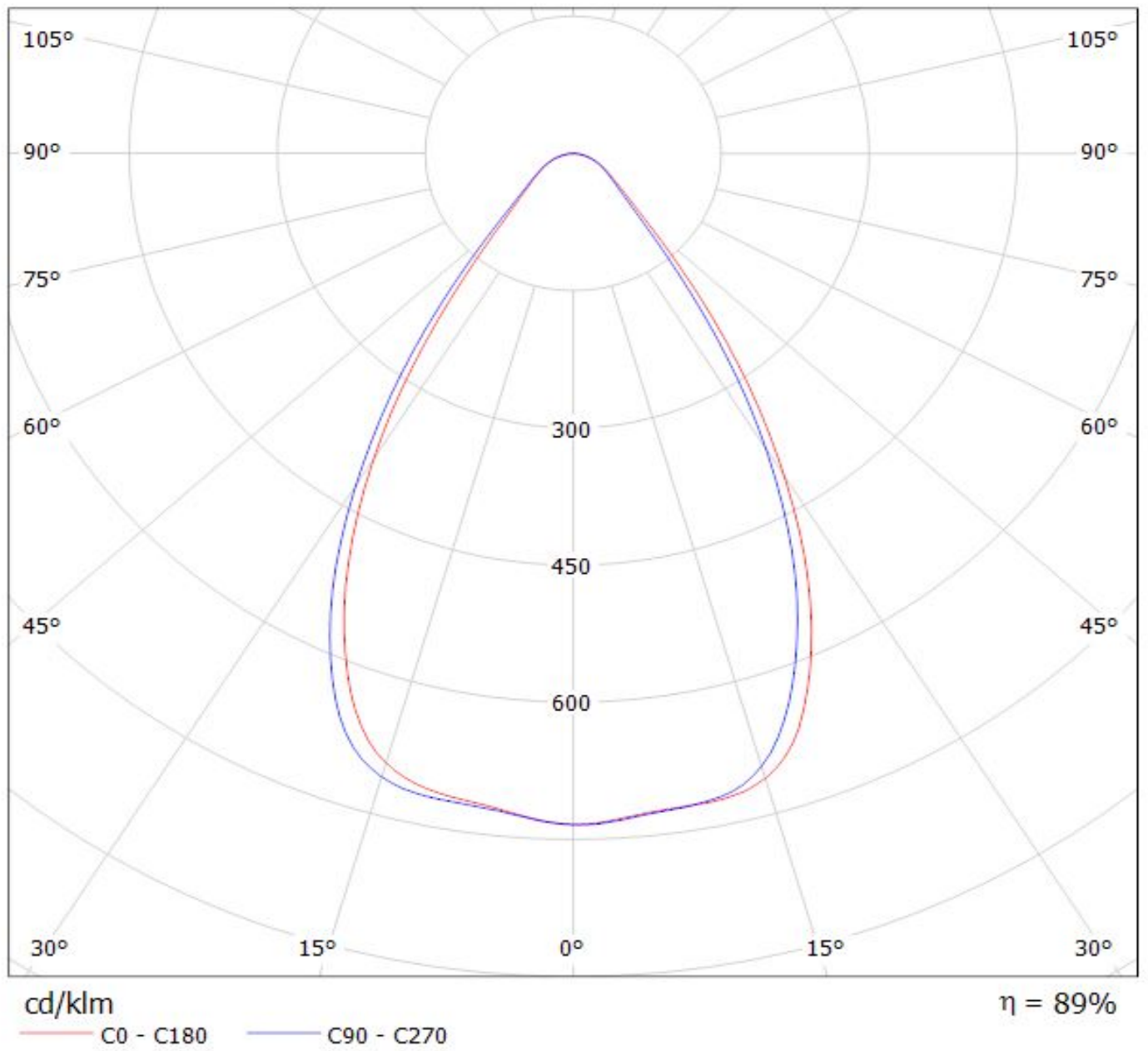
cd/klm

— C0 - C180

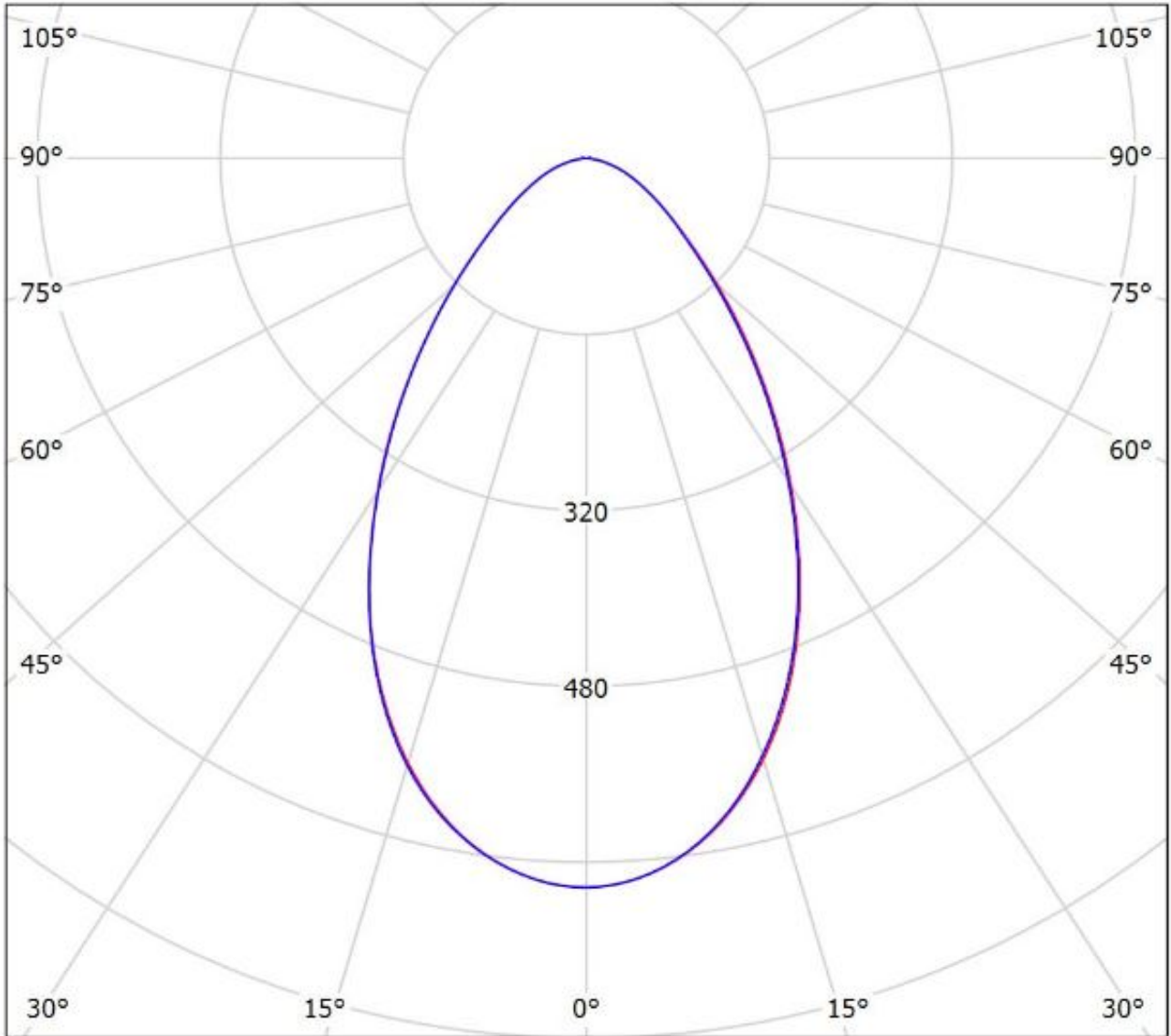
— C90 - C270

$\eta = 89\%$

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



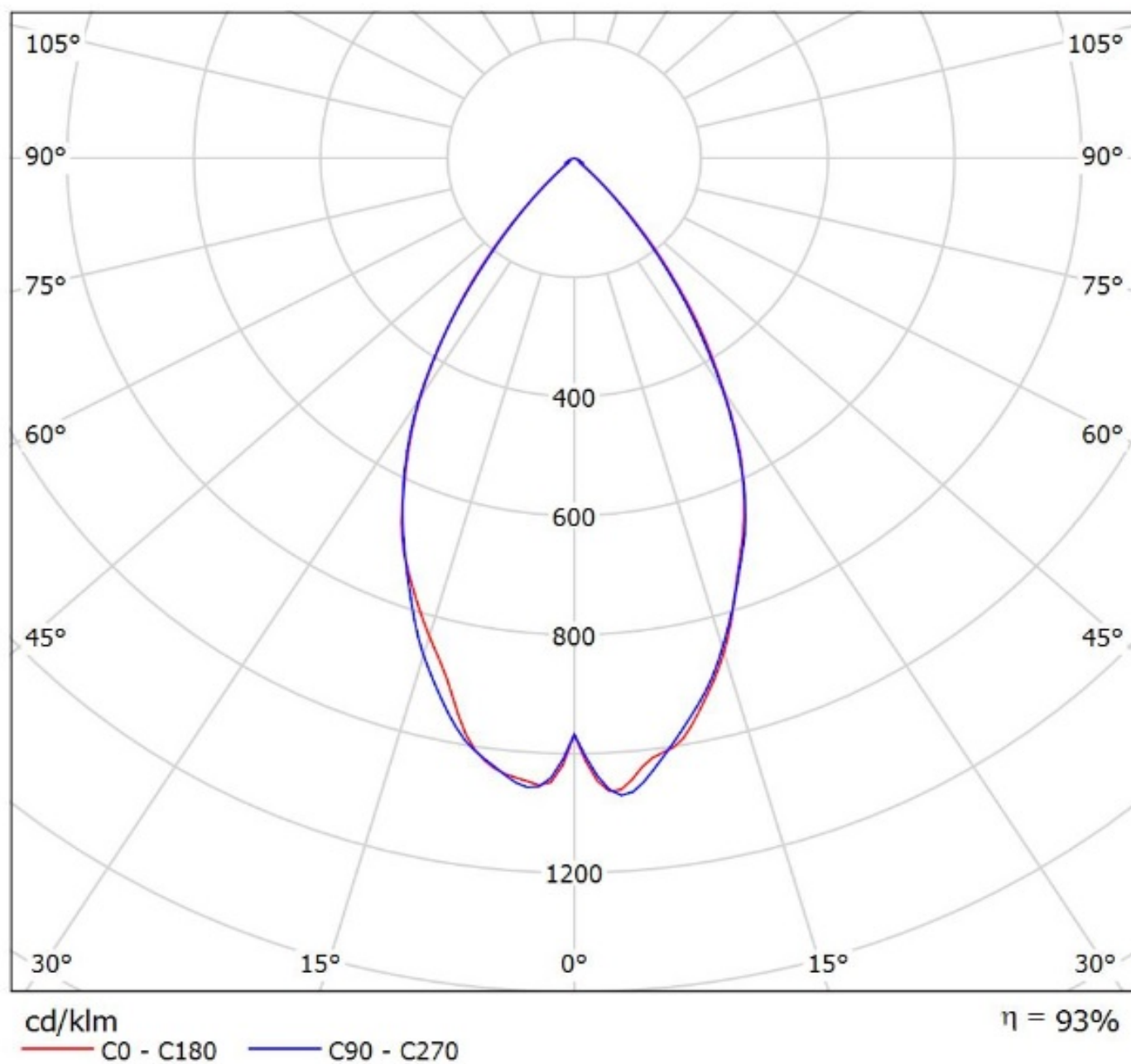
Luminaire: LEDiL Oy CN13990_SAGA-HB-IP-WHT_(SOLERIQ_P13)
Lamps: 1 x SOLERIQ_P13_(GW_MAGMB1.EM)_929.576lm@250mA_CCT=3500K_P=8.72876W_I=249.8mA



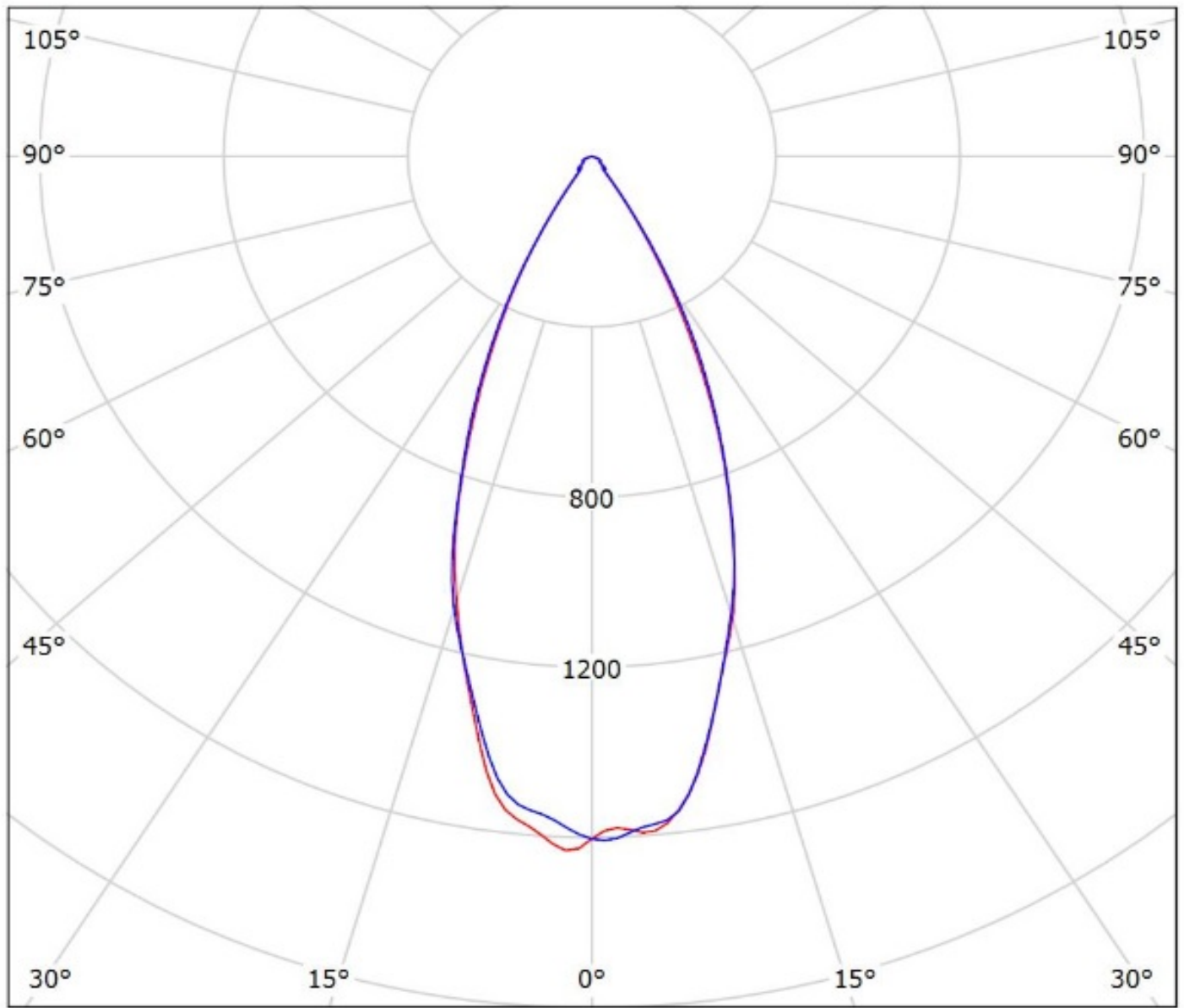
cd/klm
— C0 - C180 — C90 - C270

$\eta = 89\%$

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

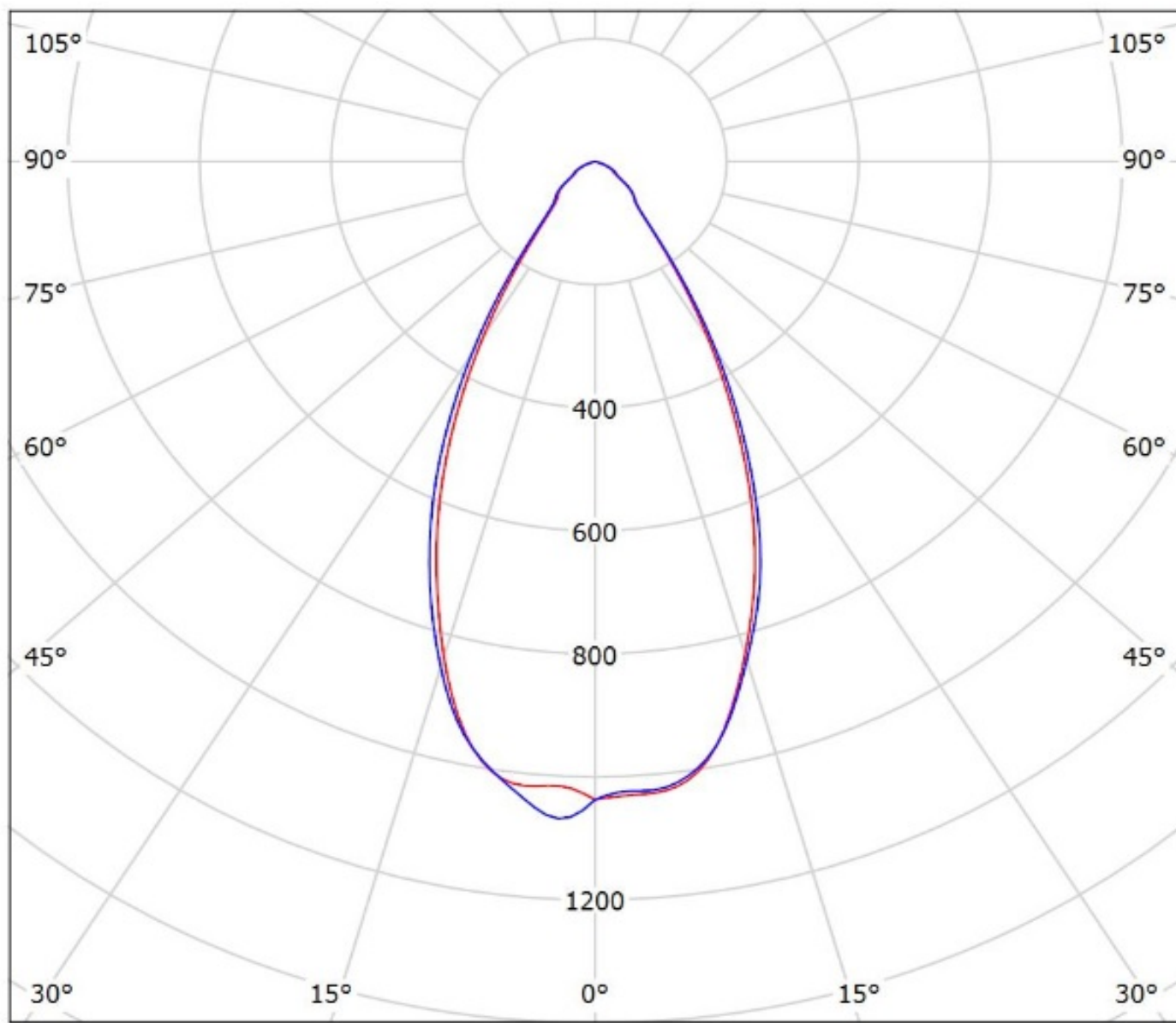


cd/klm

— C0 - C180 — C90 - C270

$\eta = 87\%$

Luminaire: Ledil Oy CN13990_SAGA-HB-IP-WHT_(LC040C)_(B+W_480_Typ_L6)_SIMULATED
Lamps: 1 x Samsung LC040C

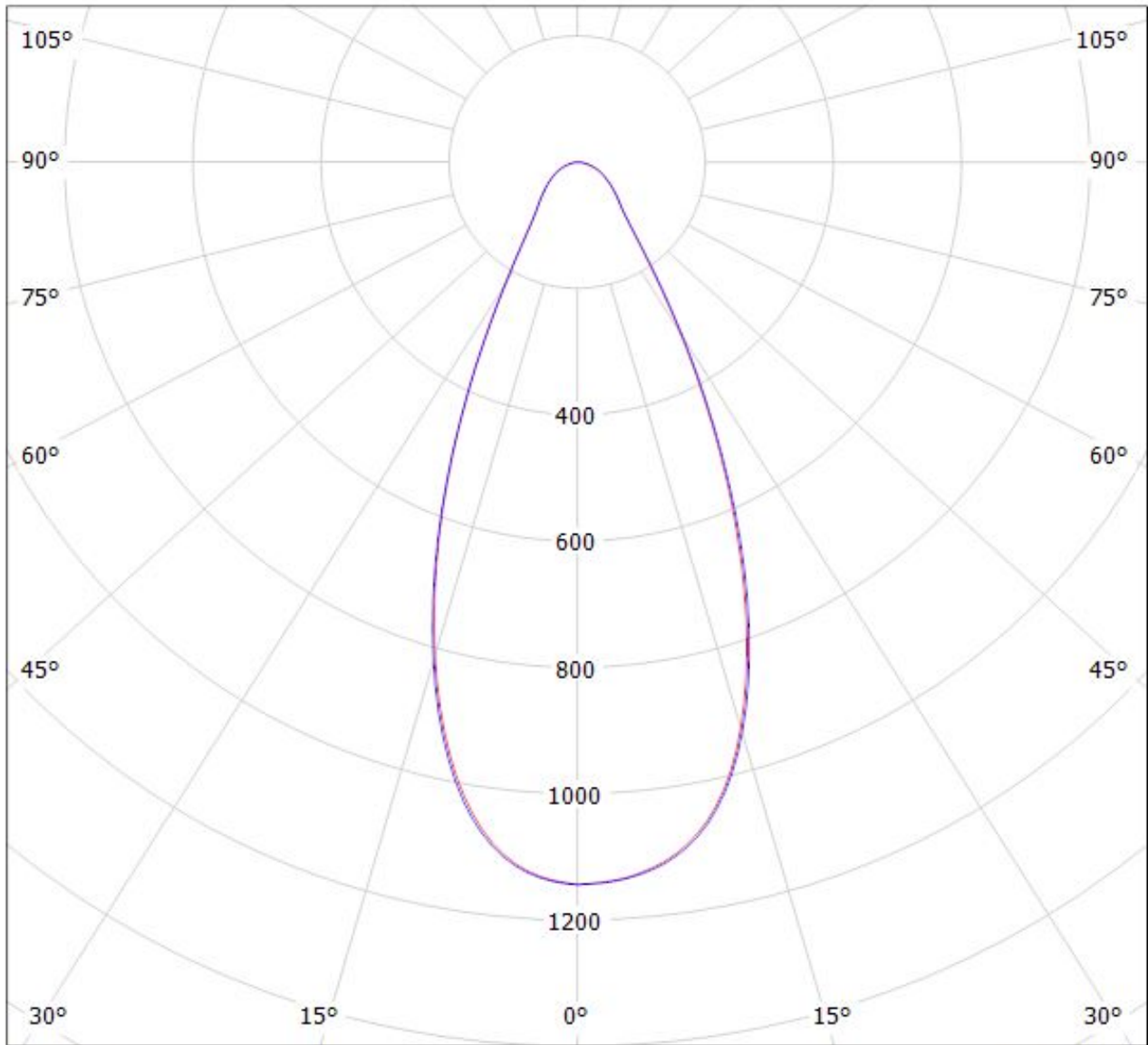


cd/klm
— C0 - C180 — C90 - C270

$\eta = 87\%$

Luminaire: Ledil CN13990_SAGA-HB-IP-WHT_(MJT_LES6_SAWx0661A)

Lamps: 1 x Seoul_MJT_6W_Les6mm_(SAWx0661A)_839.36lm@180mA_P=6.54282W_I=0.18A



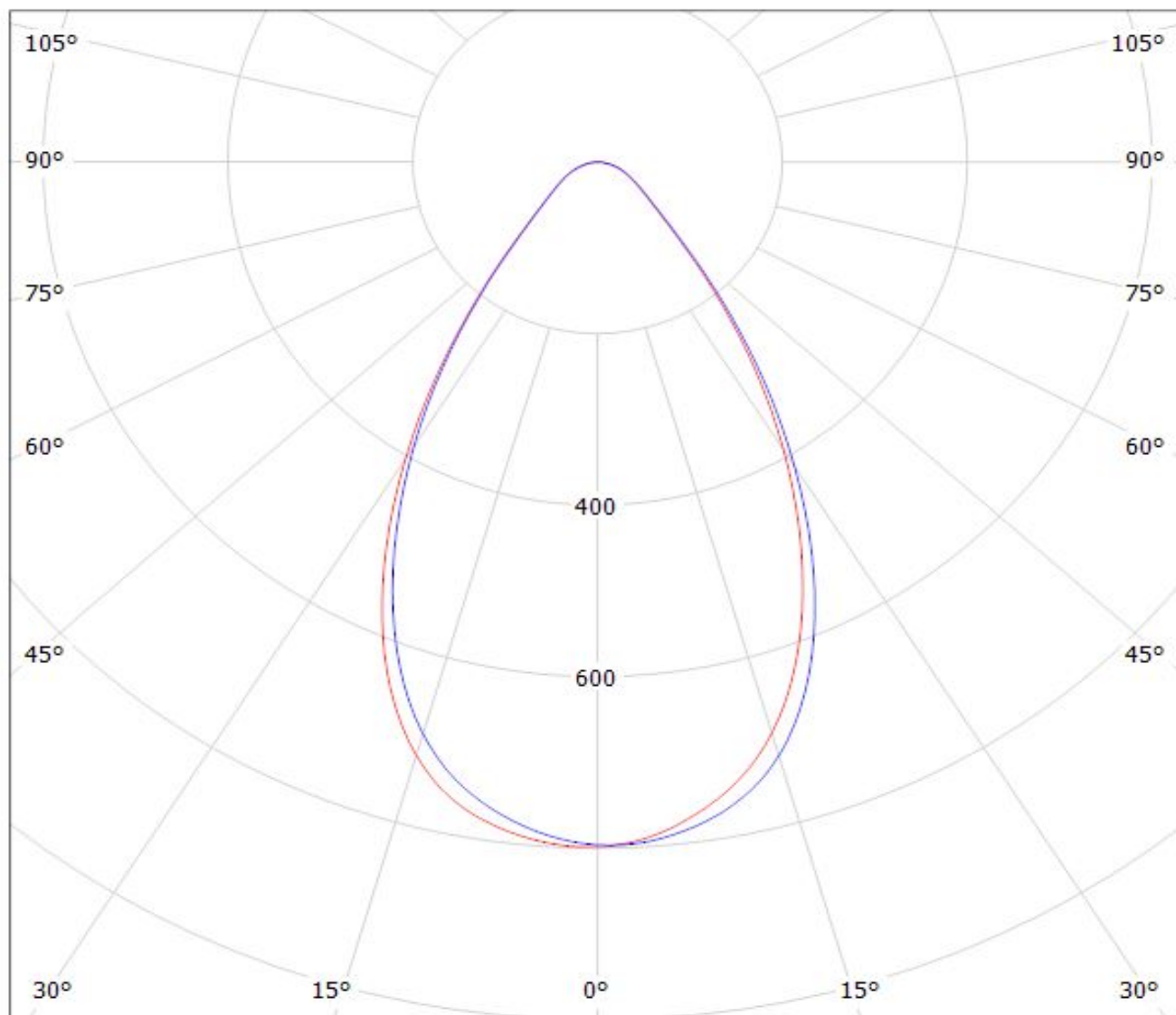
cd/klm

— C0 - C180

— C90 - C270

$\eta = 87\%$

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

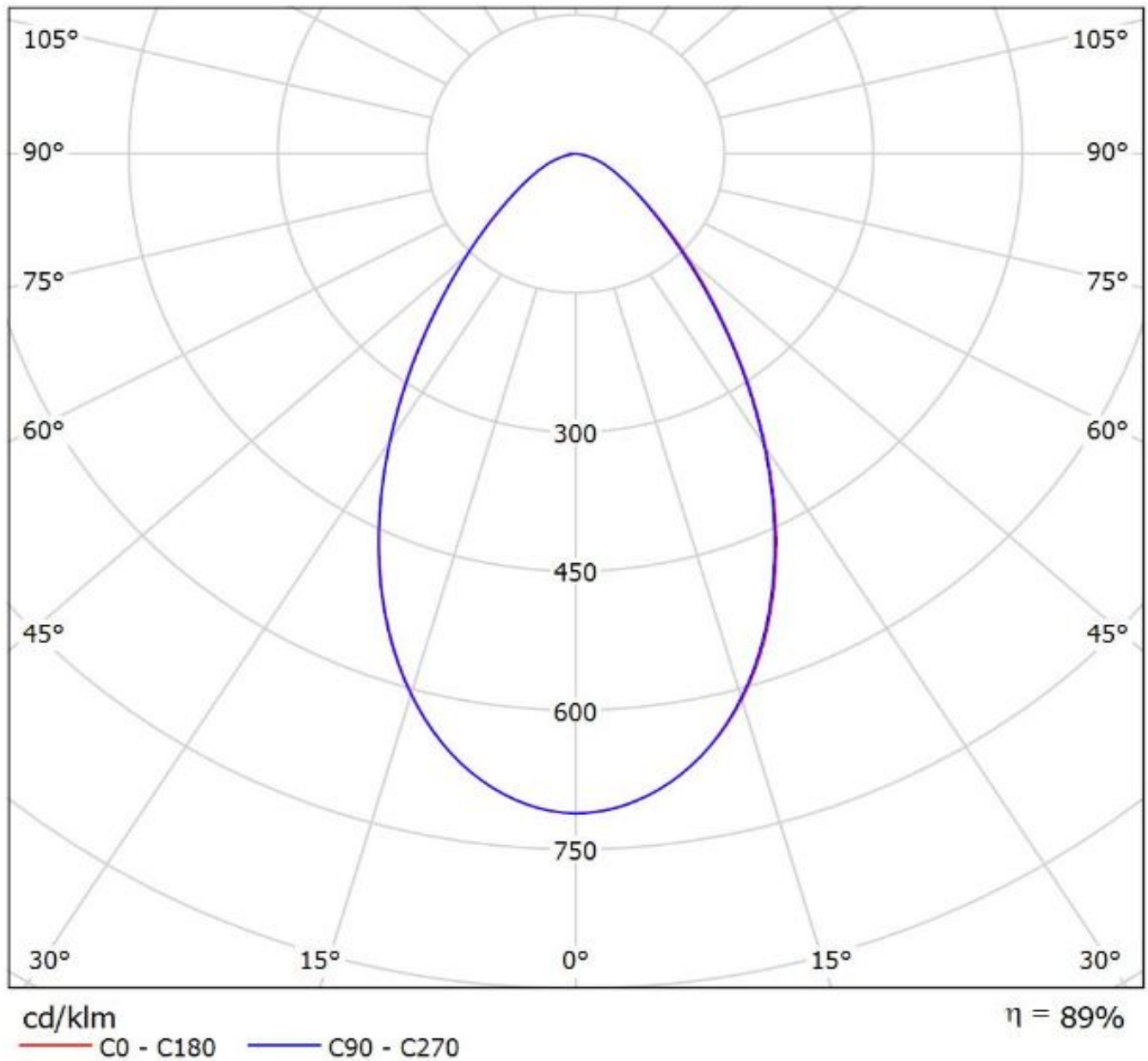


cd/klm

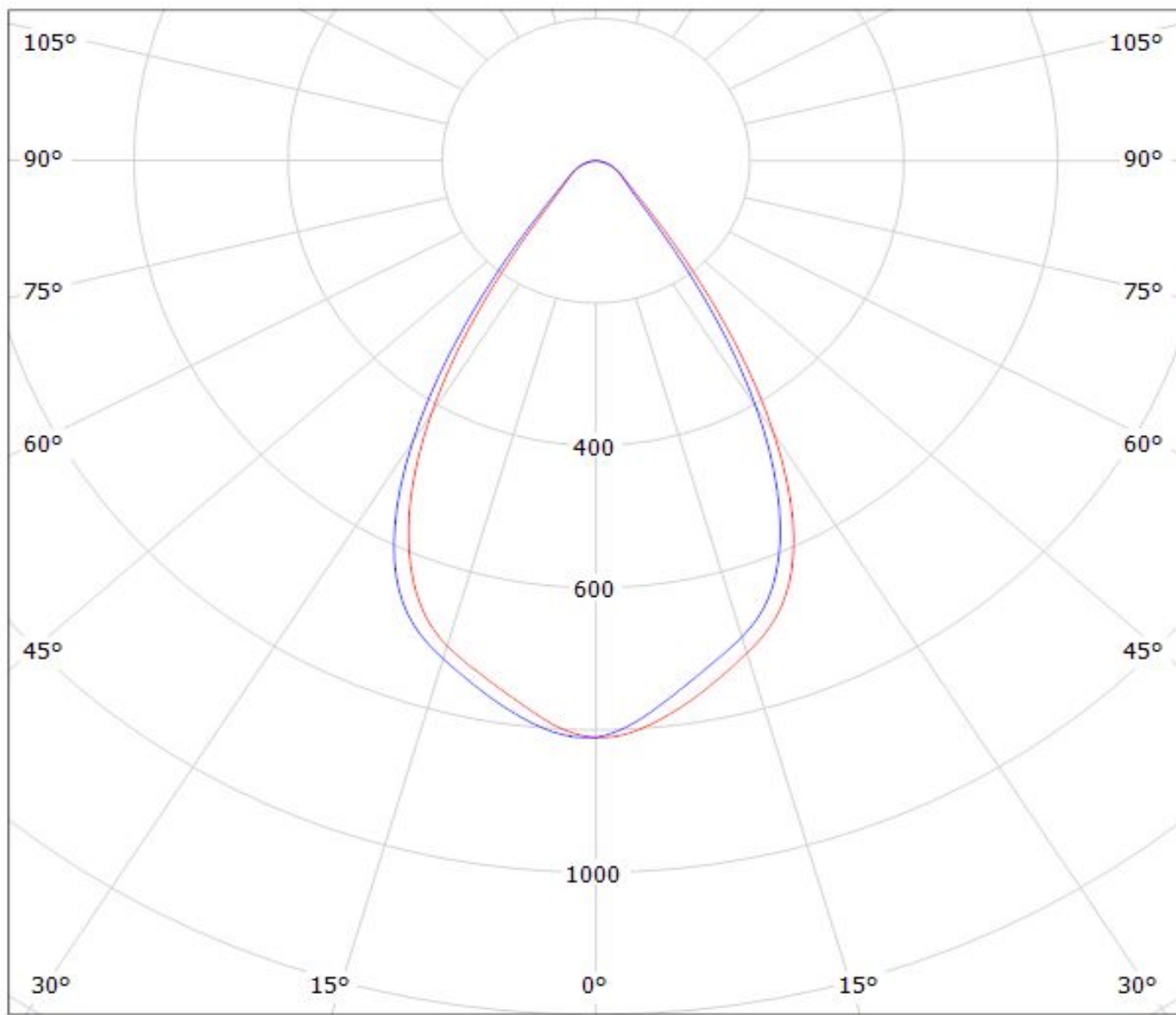
$\eta = 92\%$

— C0 - C180 — C90 - C270

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_(SLE-G5_LES-6)
Lamps: 1 x Tridonic_SLE-G5_LES-6_468.743lm@100mA_P=3.3717W_I=0.100A



cd/klm

$\eta = 89\%$

— 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.