

DETAILS

Product Number	CN14811_WINNIE-O
Family	Winnie
Type	Pack
Color	clear
Diameter	49,8 mm
Height	19,3 mm
Style	round
Optic Material	PMMA
Holder Material	
Fastening	screw
Status	production ready
ROHS Compliant	Yes
Date Updated	11/04/2017



OPTICAL PROPERTIES

LED	Viewing	Light	Efficiency	cd/lm	Connector
	Angle	Beam			
V8 Gen6	65+21 deg	Oval	89 %	1.600	-
V13 Gen6	62+27 deg	Oval	88 %	1.300	-
V15 Gen6	59+31 deg	Oval	89 %	1.200	-
V18 Gen6	57+35 deg	Oval	89 %	1.100	-
CLL02x/CLU02x (LES10)	63+22 deg	Oval	90 %	1.600	Bender Wirth: 434 Typ L5
CLU700/701	64+18 deg	Oval	91 %	1.800	-
CLU710/711	63+20 deg	Oval	91 %	1.700	Bender Wirth: 470 Typ L5
CLL03x/CLU03x	59+29 deg	Oval	90 %	1.200	Bender Wirth: 433 Typ L5
CLU720/721	61+23 deg	Oval	90 %	1.500	Bender Wirth: 433 Typ L5
CXA/B 25xx	57+37 deg	Oval	89 %	1.000	-
CXA/B 13xx	66+20 deg	Oval	90 %	1.700	-
CXA/B 15xx	65+23 deg	Oval	89 %	1.500	-
LUXEON CoB 1202s	65+19 deg	Oval	90 %	1800.000	-
LUXEON CoB 1202/1203	64+23 deg	Oval	89 %	1.500	-
LUXEON CoB Compact	65+20 deg	Oval	88 %	1.600	-
Soleriq P13	61+28 deg	Oval	90 %	1.300	-
Soleriq P9	64+22 deg	Oval	89 %	1.600	-
Soleriq P6	65+19 deg	Oval	89 %	1.800	-
Soleriq S9	sim: 61+24	Oval	sim: 88 %	sim: 1.600	-
LC010C	sim: 56+16	Oval	sim: 92 %	sim: 2.200	Bender Wirth: 479 Typ L5
LC020C	sim: 60+18	Oval	sim: 89 %	sim: 1.900	Bender Wirth: 479 Typ L5
LC040C	sim: 60+24	Oval	sim: 87 %	sim: 1.500	Bender Wirth: 479 Typ L5
COB D Series LES 9.8 mm	63+23 deg	Oval	87 %	1.500	-
COB D Series LES 14.5 mm	59+31 deg	Oval	85 %	1.150	-
MJT COB LES 9.8	62+23 deg	Oval	89 %	1.500	Bender Wirth: 434 Typ L5



PRODUCT DATASHEET

Winnie series

last update 11/4/2017

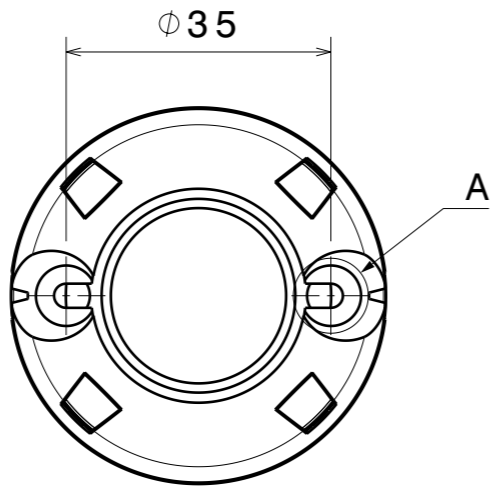
OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
MJT COB LES 14.5	58+32 deg	Oval	86 %	1.100	Bender Wirth: 433 Typ L5
SLE G5 LES11	61+21 deg	Oval	89 %	1.600	-
SLE G6 LES15	sim: 59+28	Oval	sim: 89 %	sim: 1.400	Bender Wirth: 433 Typ L5
SLE G6 LES17	sim: 55+27	Oval	sim: 92 %	sim: 1.420	Bender Wirth: 433 Typ L5
SLE G6 LES10	sim: 20+60	Oval	sim: 93 %	sim: 1.910	Bender Wirth: 434 Typ L5

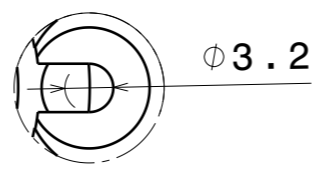
H G F E D C B A

4

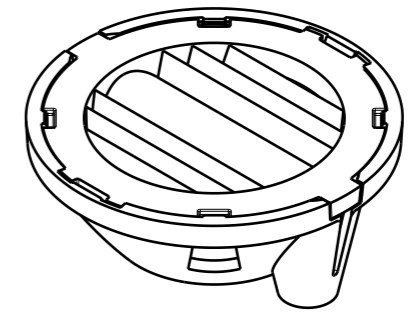
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Bottom view



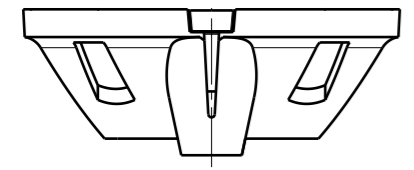
Detail A



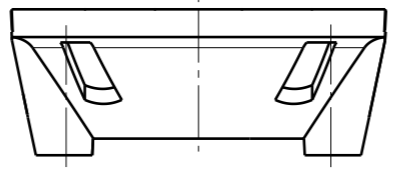
Isometric view

3

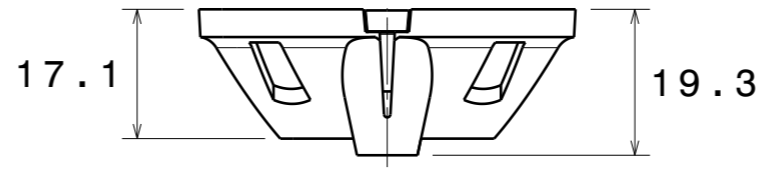
3



Right view



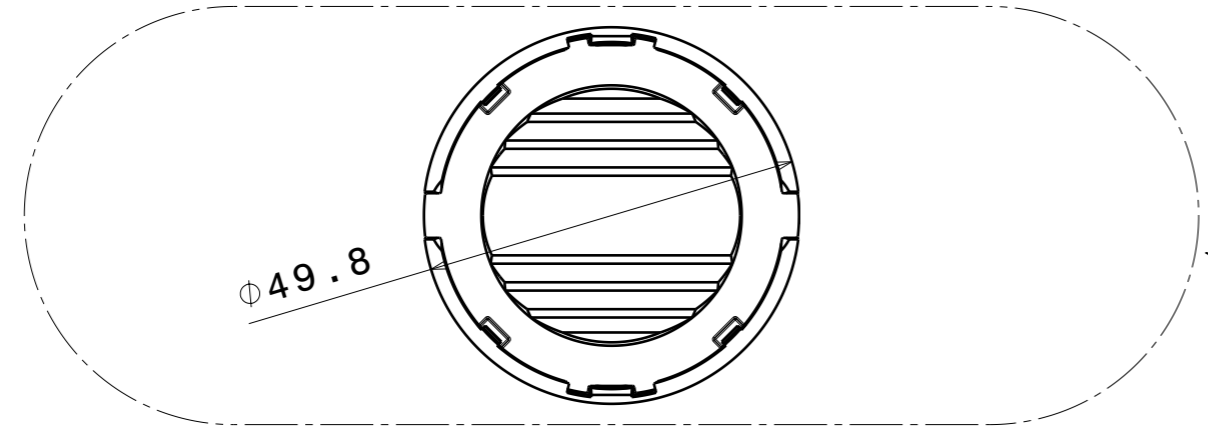
Front view



Left view

2

2



Top view

Oval beam direction

1

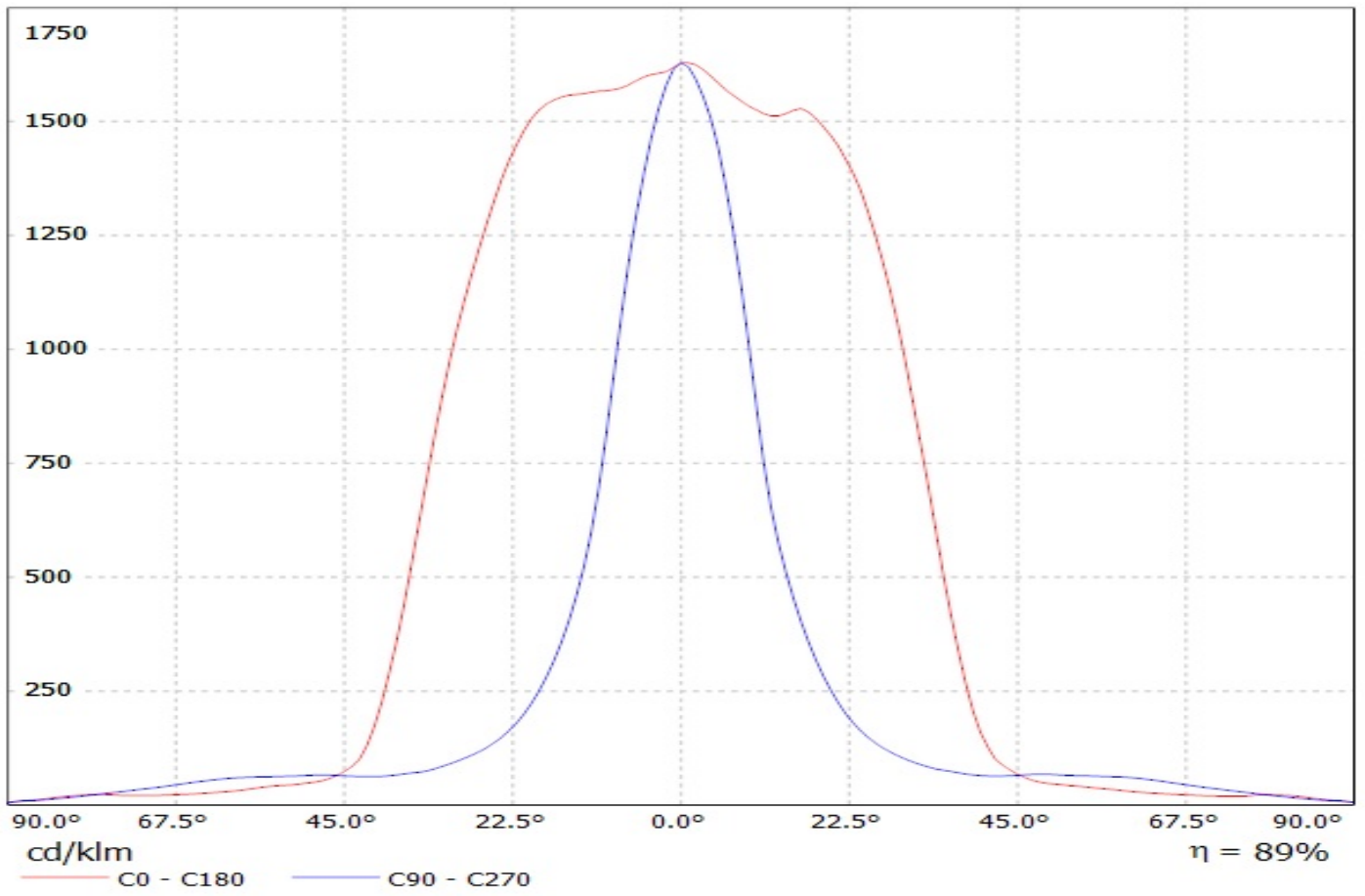
1

<p>Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: up to 30mm class M, otherwise class C According to DIN ISO 2768-2 Form and position: class L</p>		<p>LEDiL LediL Oy Salorankatu 10 FIN 24240 SALO Finland</p>	
<p>THIRD ANGLE PROJECTION: </p>		<p>DRAWING TITLE WINNIE-0 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 A3</p>	<p>PART NUMBER CN14811</p>
		<p>SCALE 1:1</p>	<p>WEIGHT -</p>
		<p>SHEET 1/1</p>	

H G F E D C B A

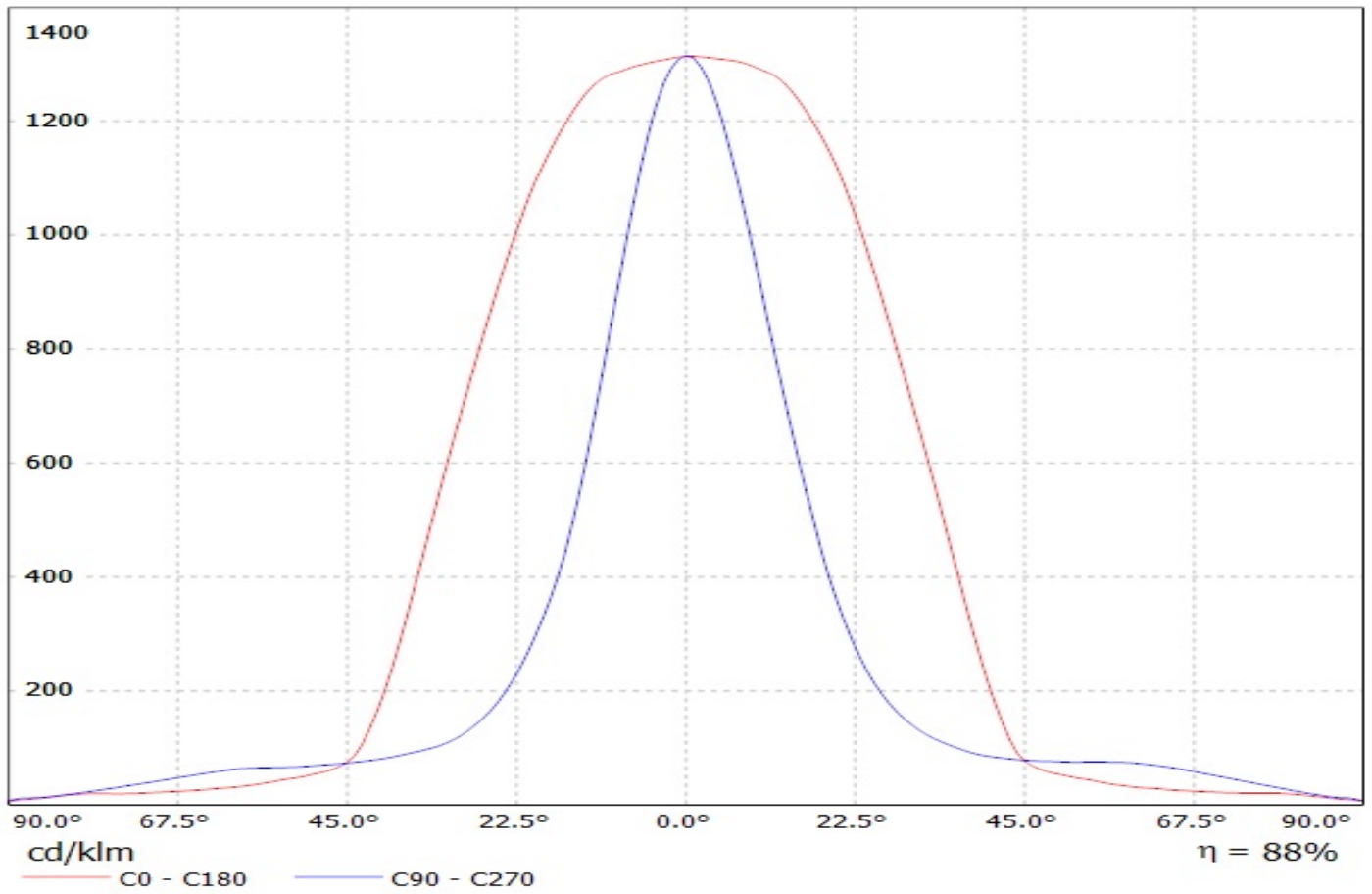
Luminaire: LEDiL Oy CN14811_WINNIE-O_(V8)

Lamps: 1 x Bridgelux_V8_(30E800B)_538.754lm@250mA_P=4.25005W_I=0.2499A



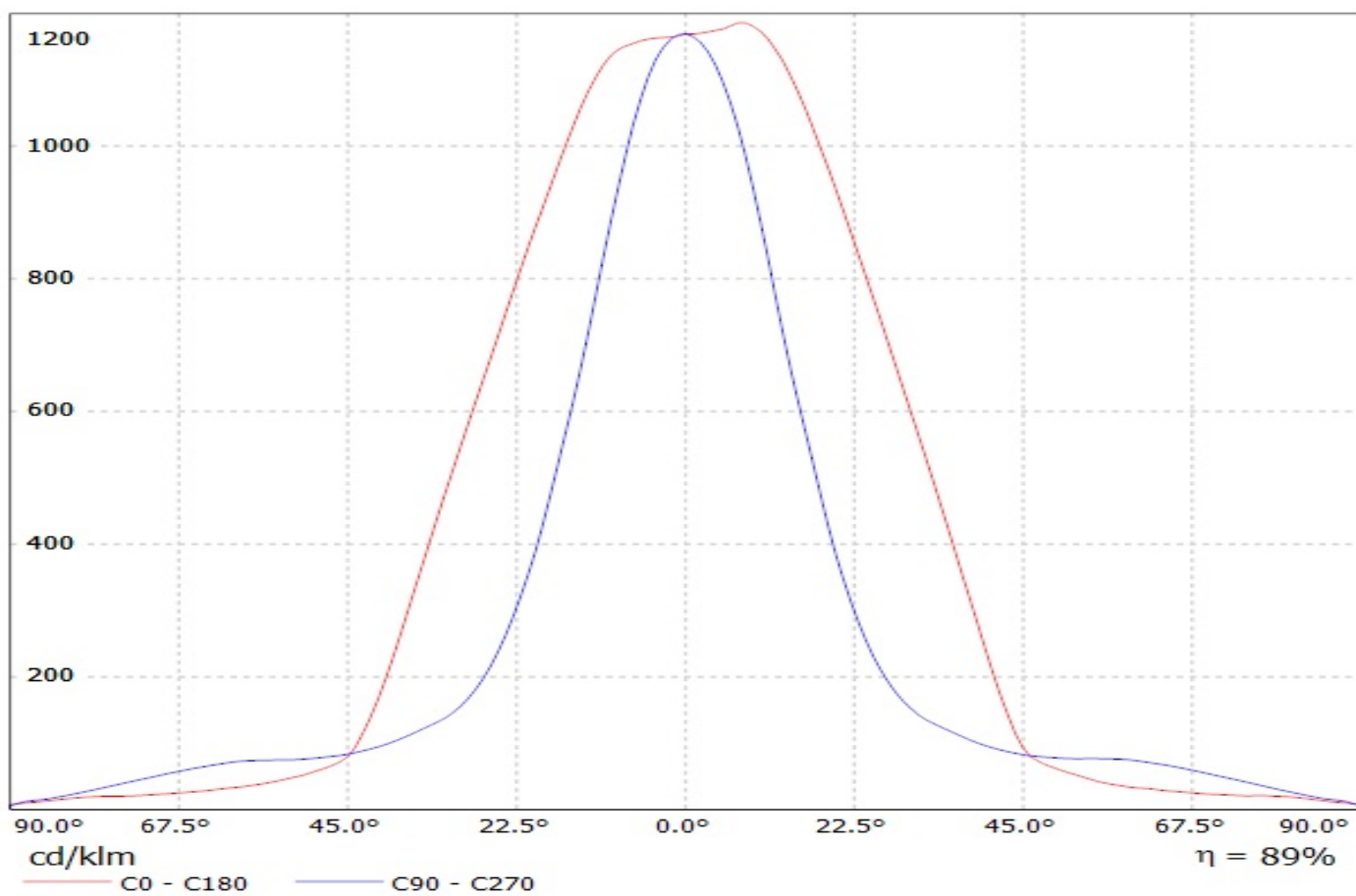
Luminaire: LEDiL Oy CN14811_WINNIE-O_(V13)

Lamps: 1 x Bridgelux_V13_(BXRC-30E2000-C-23)_1058.65lm@250mA_P=7.63295W_I=0.2499A



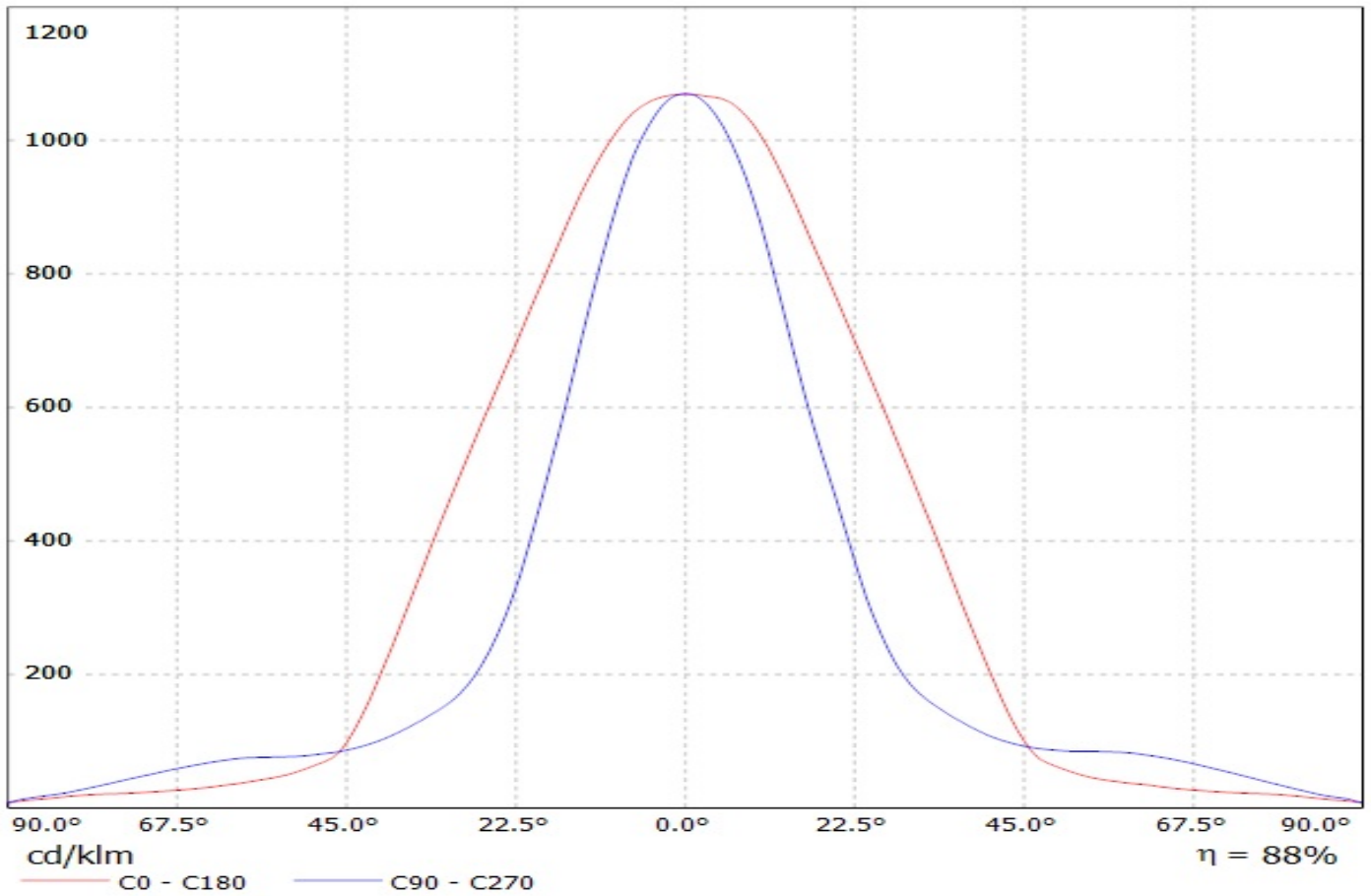
Luminaire: LEDiL Oy CN14811_WINNIE-O_(V15)

Lamps: 1 x Bridgelux_V15_(30E3001D_Y2)_1180.03lm@250mA_P=8.16498W_I=0.2499A



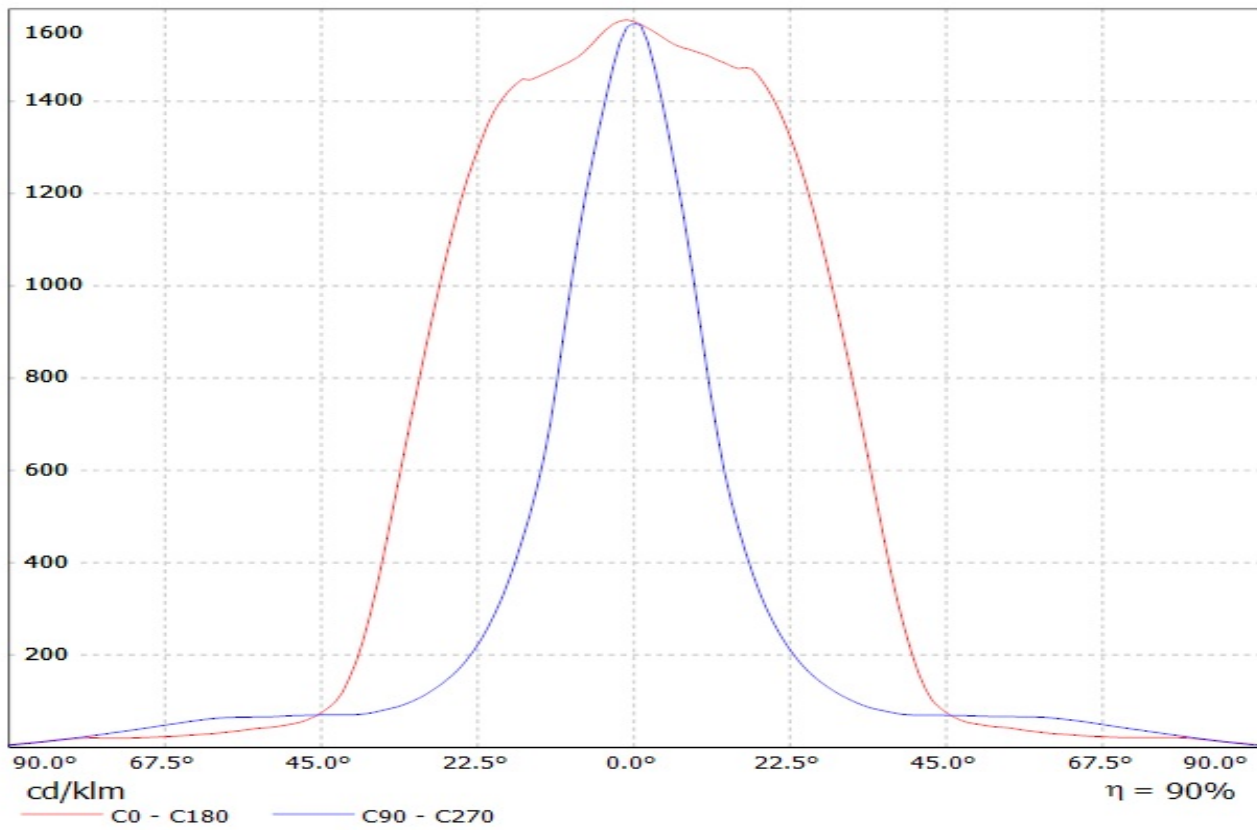
Luminaire: LEDiL Oy CN14811_WINNIE-O_(V18)

Lamps: 1 x Bridgelux_V18_(BXR-30E4000-F-23)_1036.46lm@250mA_P=6.77429W_I=0.2499A



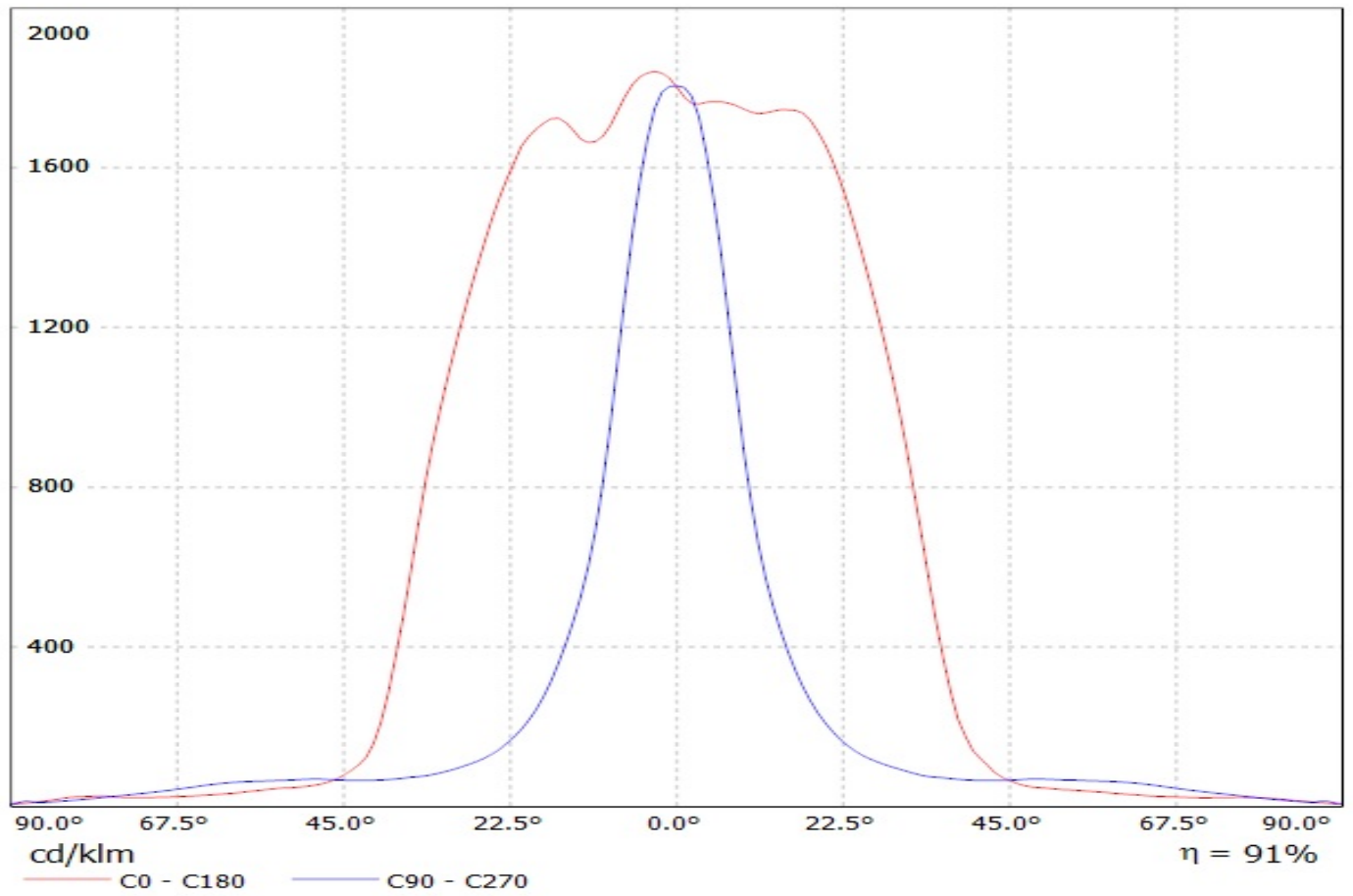
LEDiL Oy CN14811_WINNIE-O_(CLU024)_(434_Typ_L5) / LDC (Linear)

Luminaire: LEDiL Oy CN14811_WINNIE-O_(CLU024)_(434_Typ_L5)
Lamps: 1 x Citizen_CLU024_(CLU024-1204B8-303M1A2)_(434_Typ_L5)
_996.219lm@250mA_P=8.4851W_I=0.2499A



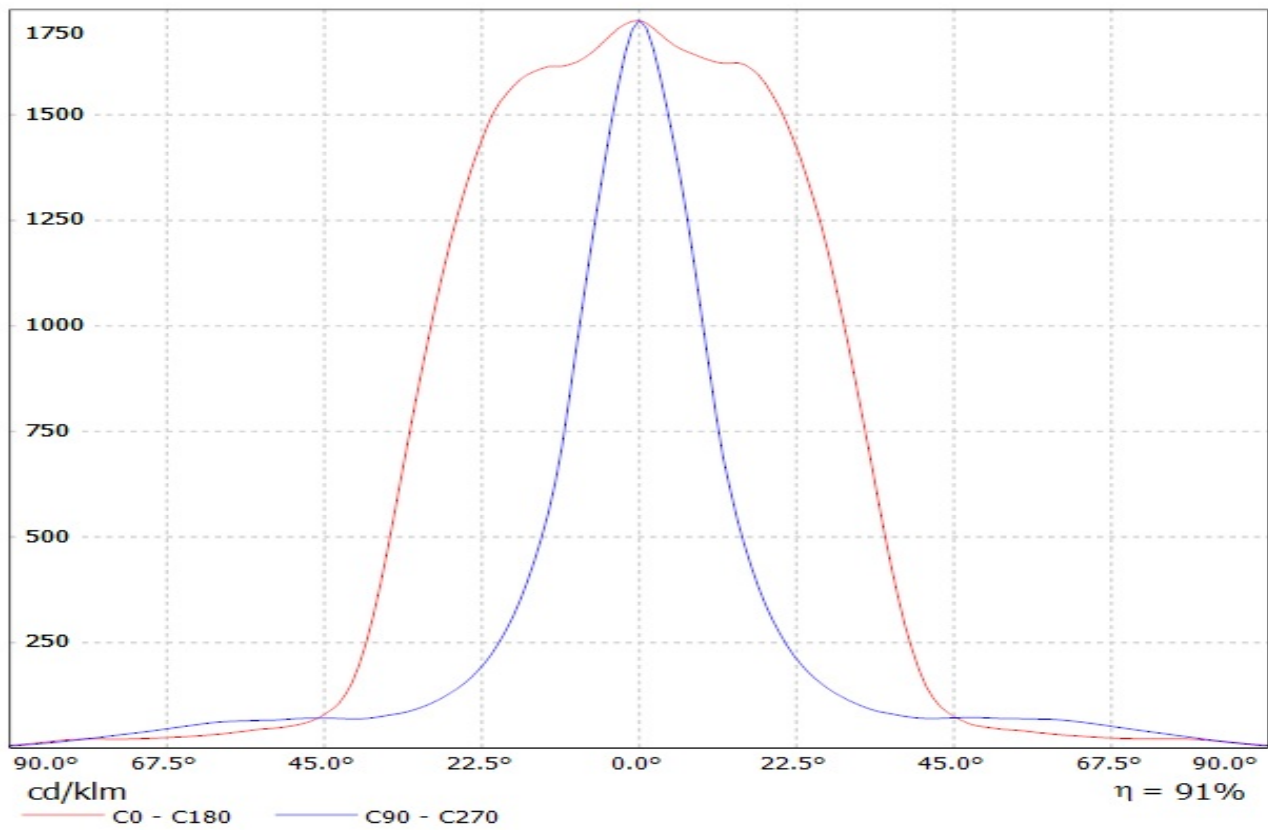
Luminaire: LEDiL Oy CN14811_WINNIE-O_(CLU700)

Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G2)_377.434lm@100mA_P=2.80019W_I=0.1002A



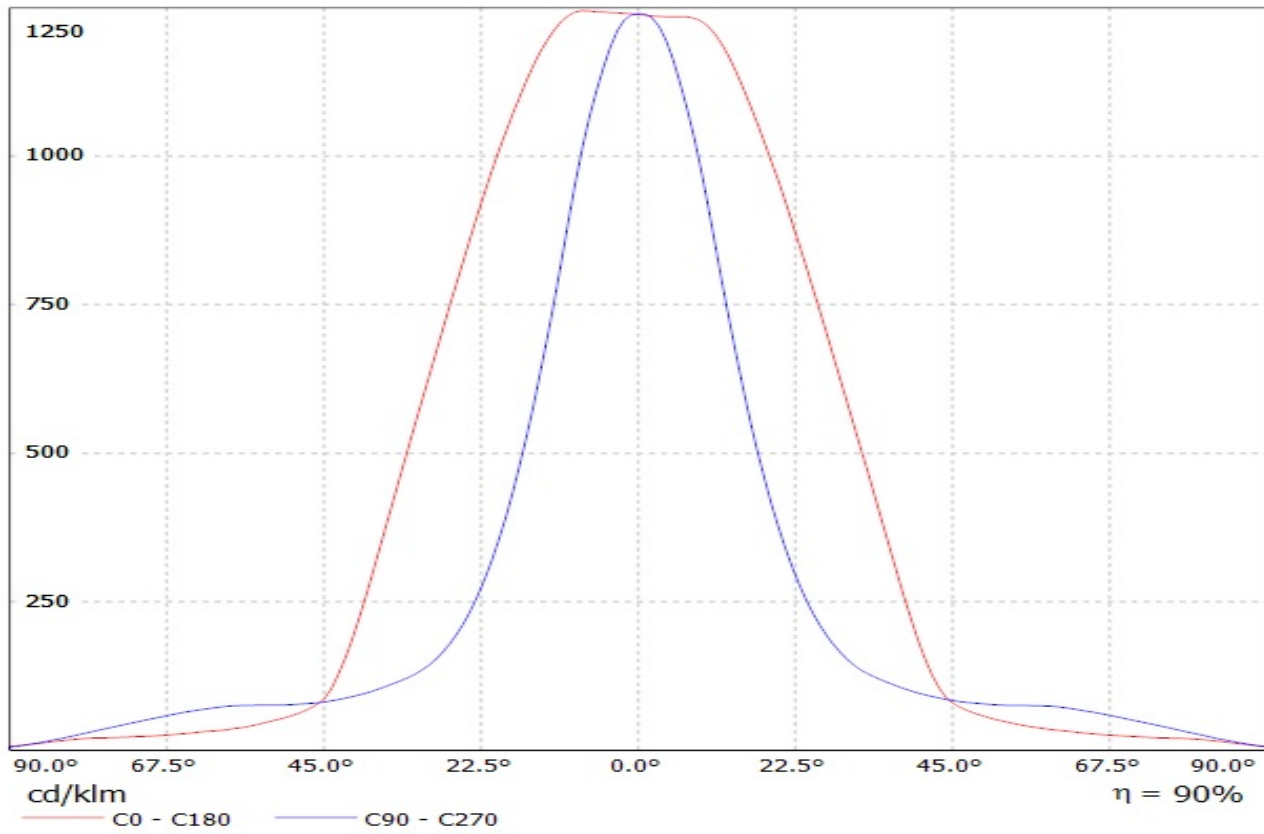
LEDiL Oy CN14811_WINNIE-O_(CLU710)_(470_Typ_L5) / LDC (Linear)

Luminaire: LEDiL Oy CN14811_WINNIE-O_(CLU710)_(470_Typ_L5)
Lamps: 1 x Citizen_CLU710_(CLU710-1204B8-273M2G1)_(470_Typ_L5)
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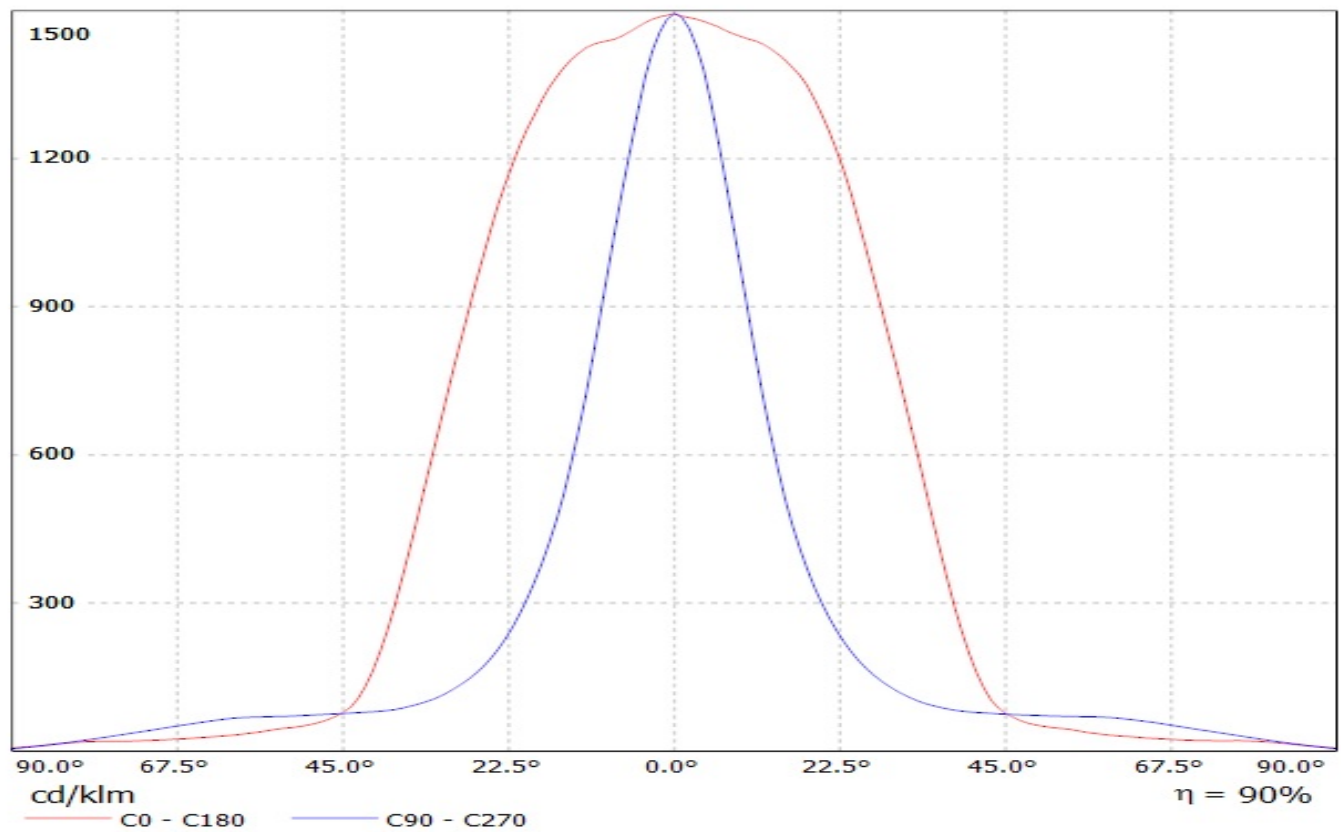
LEDiL Oy CN14811_WINNIE-O_(CLU034)_(433_Typ_L5) / LDC (Linear)

Luminaire: LEDiL Oy CN14811_WINNIE-O_(CLU034)_(433_Typ_L5)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_(433_Typ_L5)
_1141.4lm@250mA_P=8.45137W_I=0.2499A



LEDiL Oy CN14811_WINNIE-O_(CLU720)_(433_Typ_L5) / LDC (Linear)

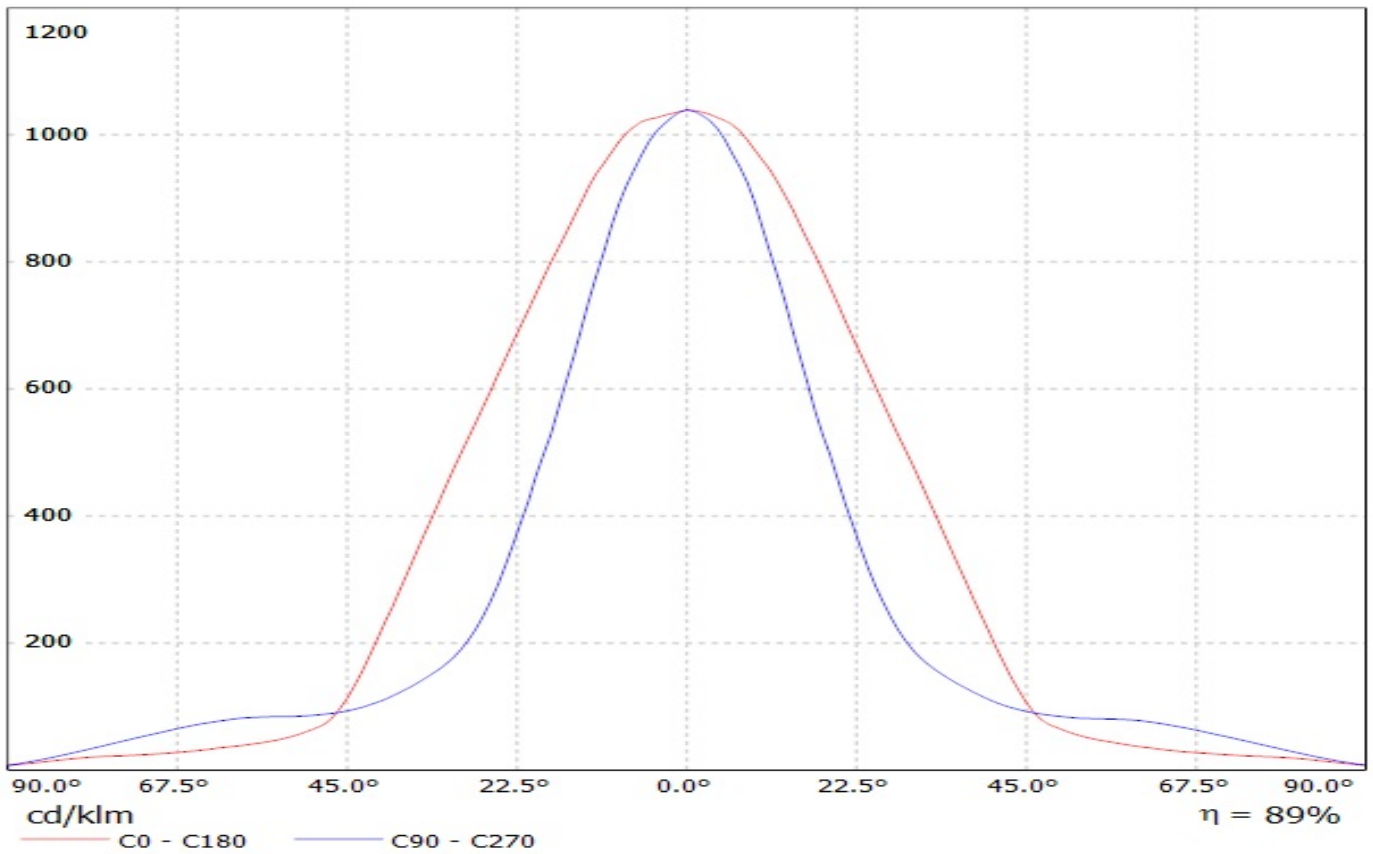
Luminaire: LEDiL Oy CN14811_WINNIE-O_(CLU720)_(433_Typ_L5)
Lamps: 1 x Citizen_CLU720_(CLU720-1206B8-273M2G1)_(433_Typ_L5)
_1199.34lm@250mA_P=8.28768W_I=0.2499A



LEDiL Oy CN14811_WINNIE-O_(CXB2540) / LDC (Linear)

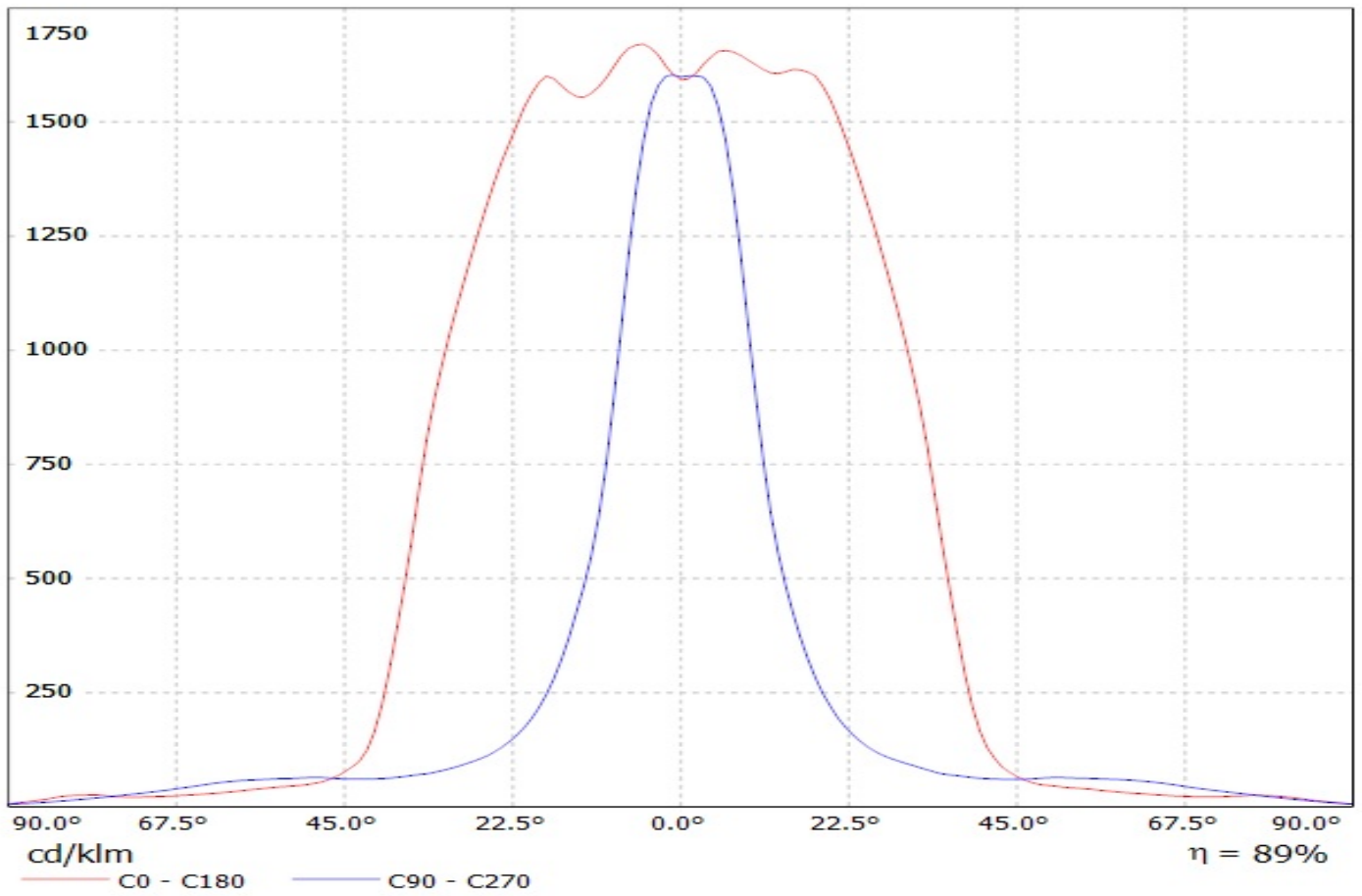
Luminaire: LEDiL Oy CN14811_WINNIE-O_(CXB2540)

Lamps: 1 x Cree_CXB2540_(CXB2540-40G-W4-N0H-00002)_1379.58lm@250mA_P=8.09151W_I=0.2499A



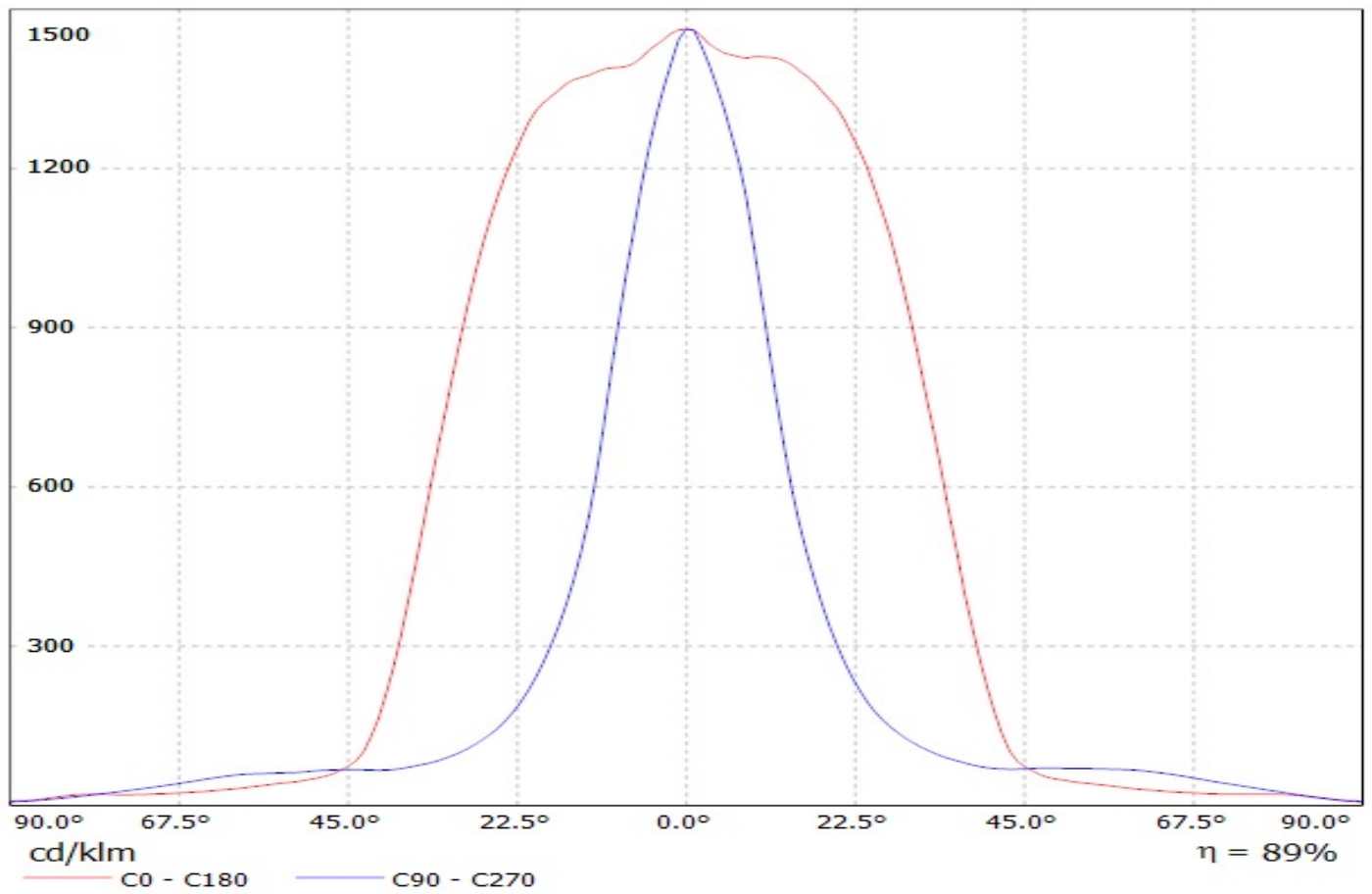
Luminaire: LEDiL Oy CN14811_WINNIE-O_(CXB1304)

Lamps: 1 x Cree_CXB1304_(CXB1304-50G-C4-C0H-00001)_334.091lm@250mA_P=2.11403W_I=0.2499A

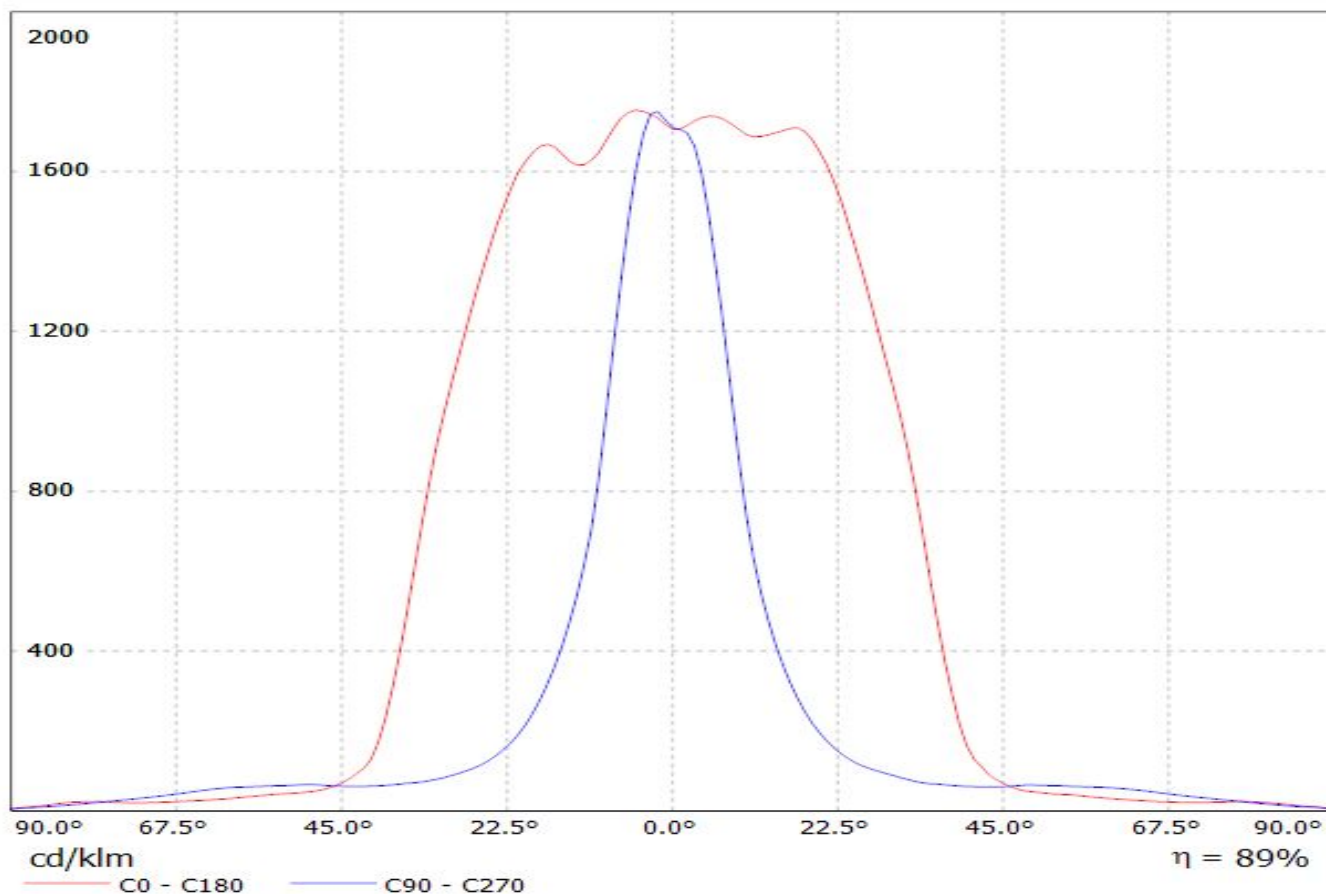


Luminaire: LEDiL Oy CN14811_WINNIE-O_(CXB1507)

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

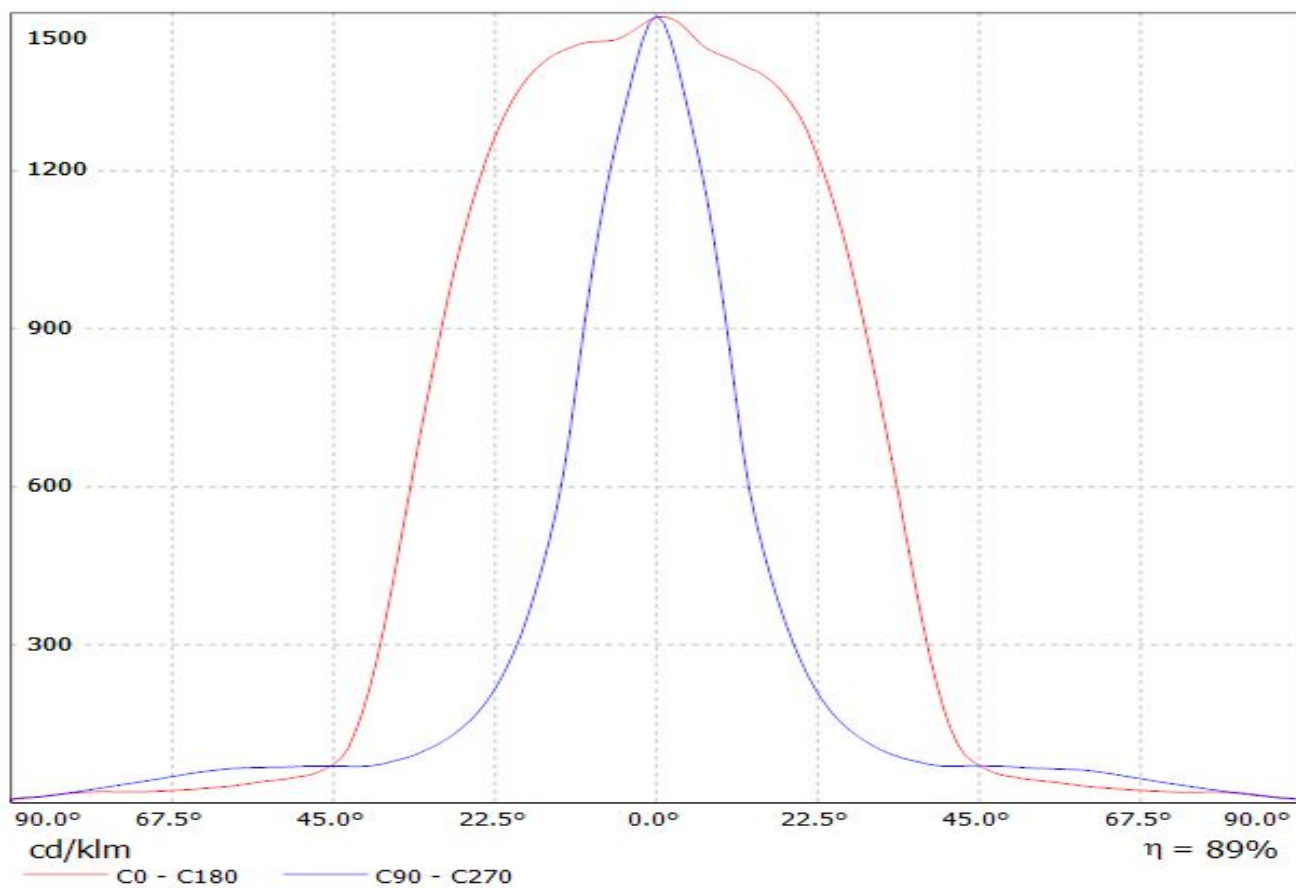


Luminaire: LEDiL Oy CN14811_WINNIE-O_(CoB_1202s)
Lamps: 1 x Luxeon_CoB_1202s_237.577lm@100mA_P=1.62252W_I=0.100A



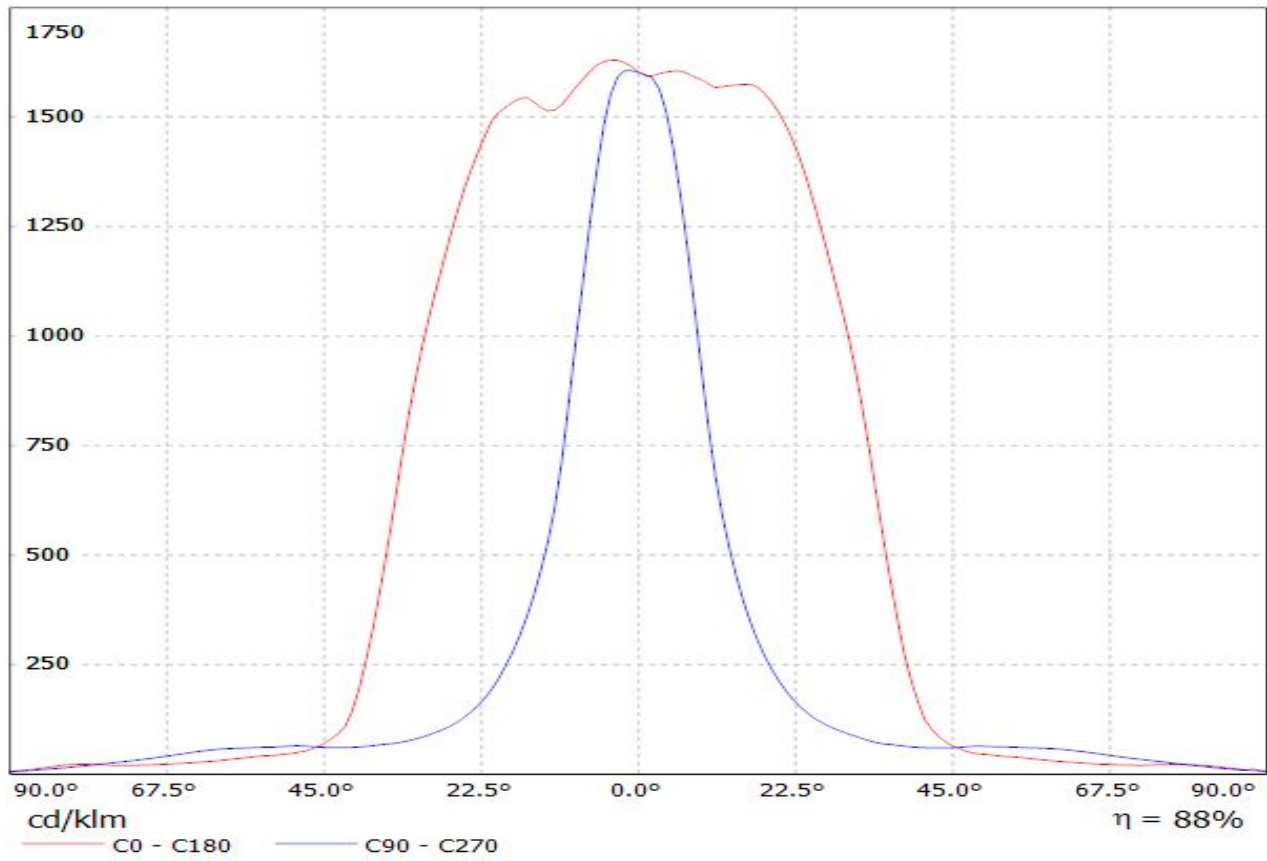
Luminaire: LEDiL Oy CN14811_WINNIE-O_(CoB_1203)

Lamps: 1 x Luxeon_CoB_1203_(LHC1-3080-1203)_997.195lm@250mA_CCT=3000K_P=8.64383W_I=0.250A



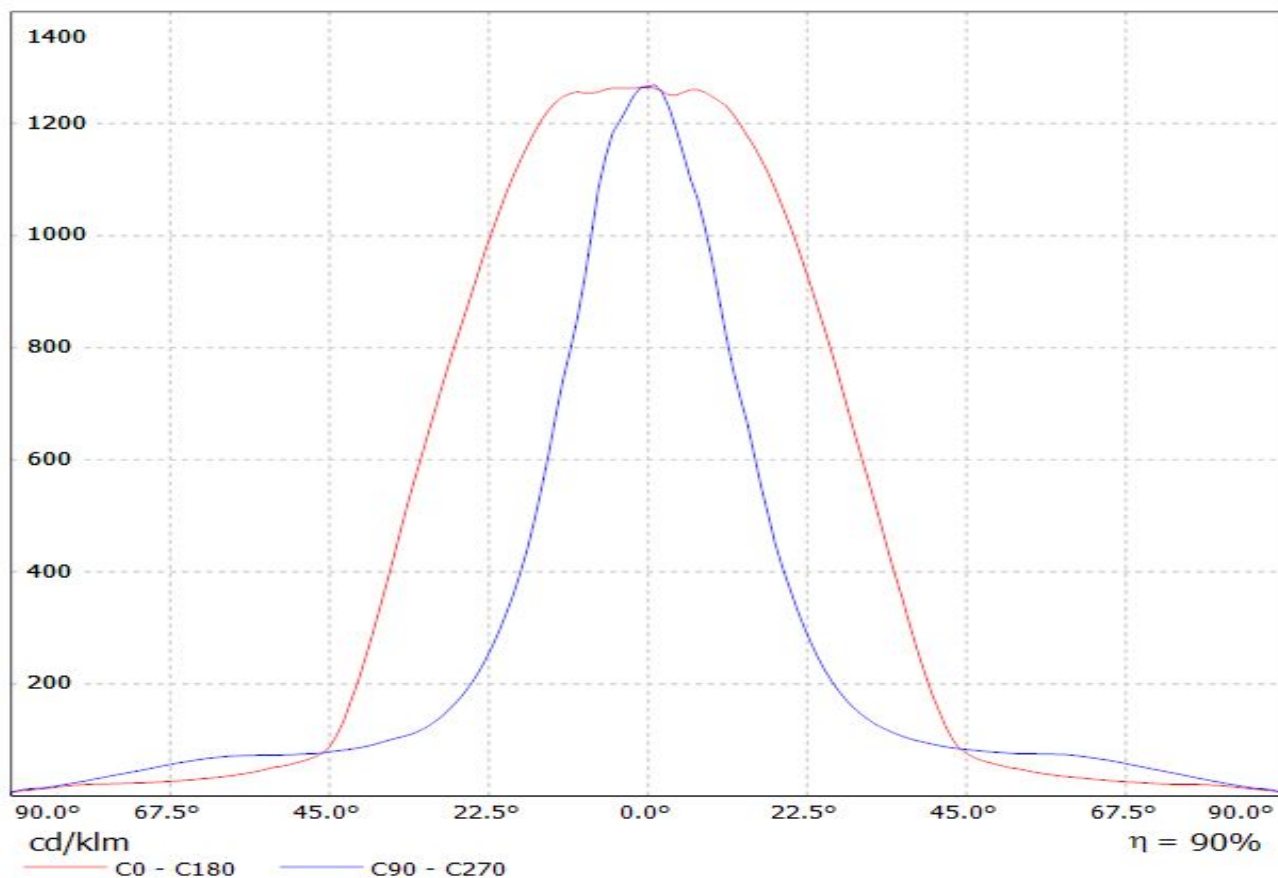
Luminaire: LEDiL Oy CN14811_WINNIE-O_(CoB_105)

Lamps: 1 x Luxeon_CoB_105_(L2C3-2790_105E0600)_599.826lm@250mA_CCT=2700K_P=9.46167W_I=0.250A



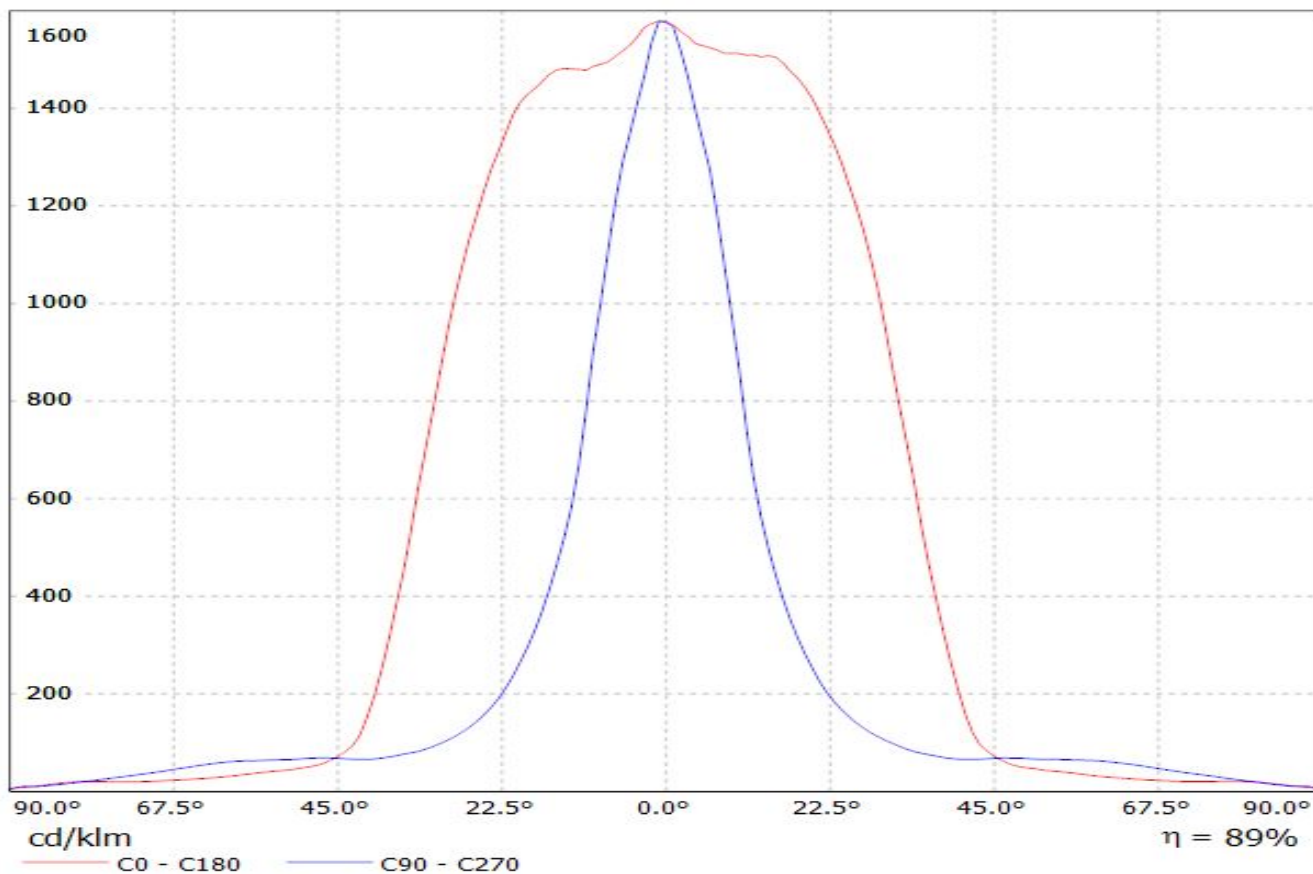
Luminaire: LEDiL Oy CN14811_WINNIE-O_(Soleriq_P13)

Lamps: 1 x Osram_Soleriq_P13_(GW_MAGMB1.EM)_897.7lm@250mA_CCT=3500K_P=8.72726W_I=0.2499A



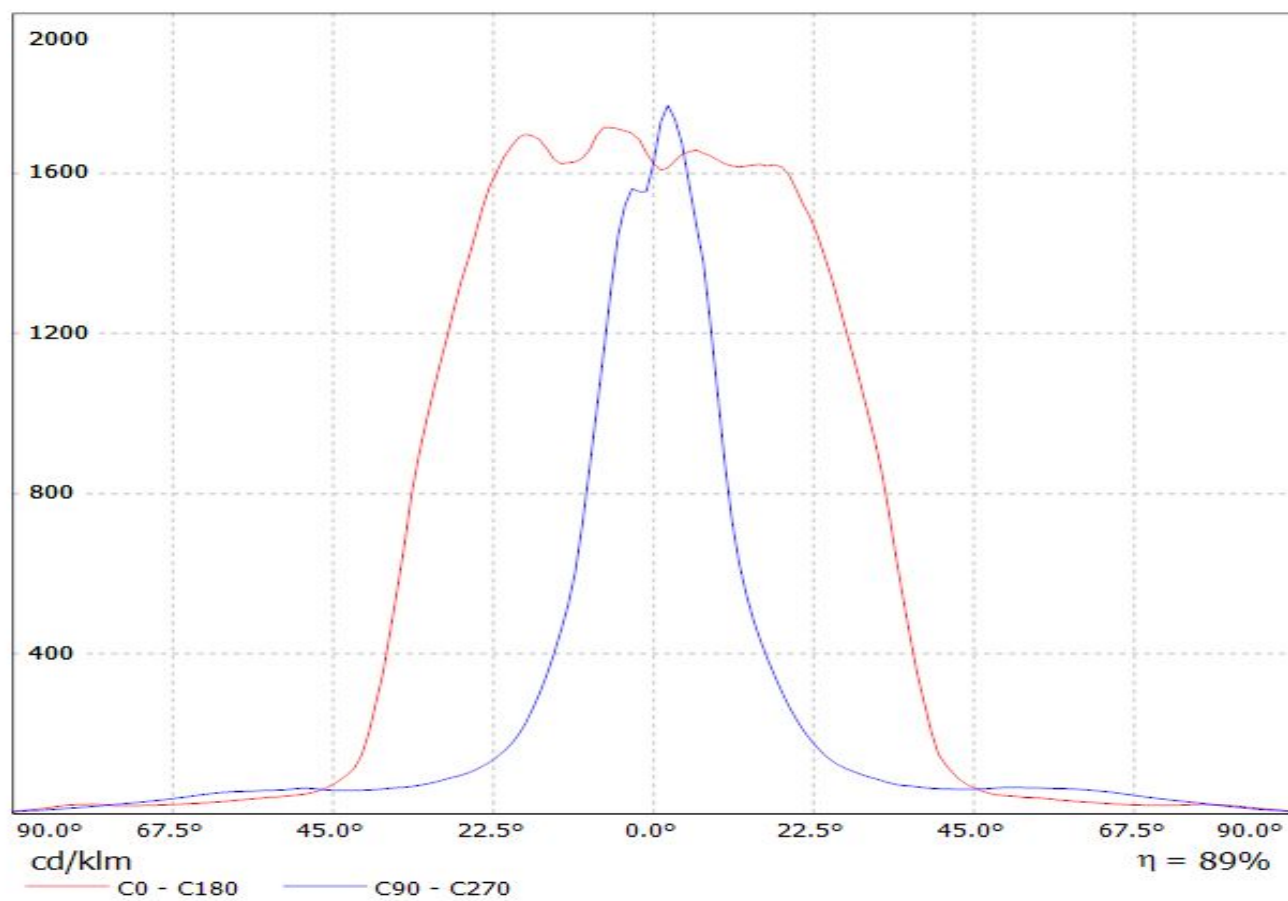
Luminaire: LEDiL Oy CN14811_WINNIE-O_(Soleriq_P9)

Lamps: 1 x Osram_Soleriq_P9_(GW_MAFJB1.EM)_877.72lm@250mA_P=6.84952W_I=0.2499A

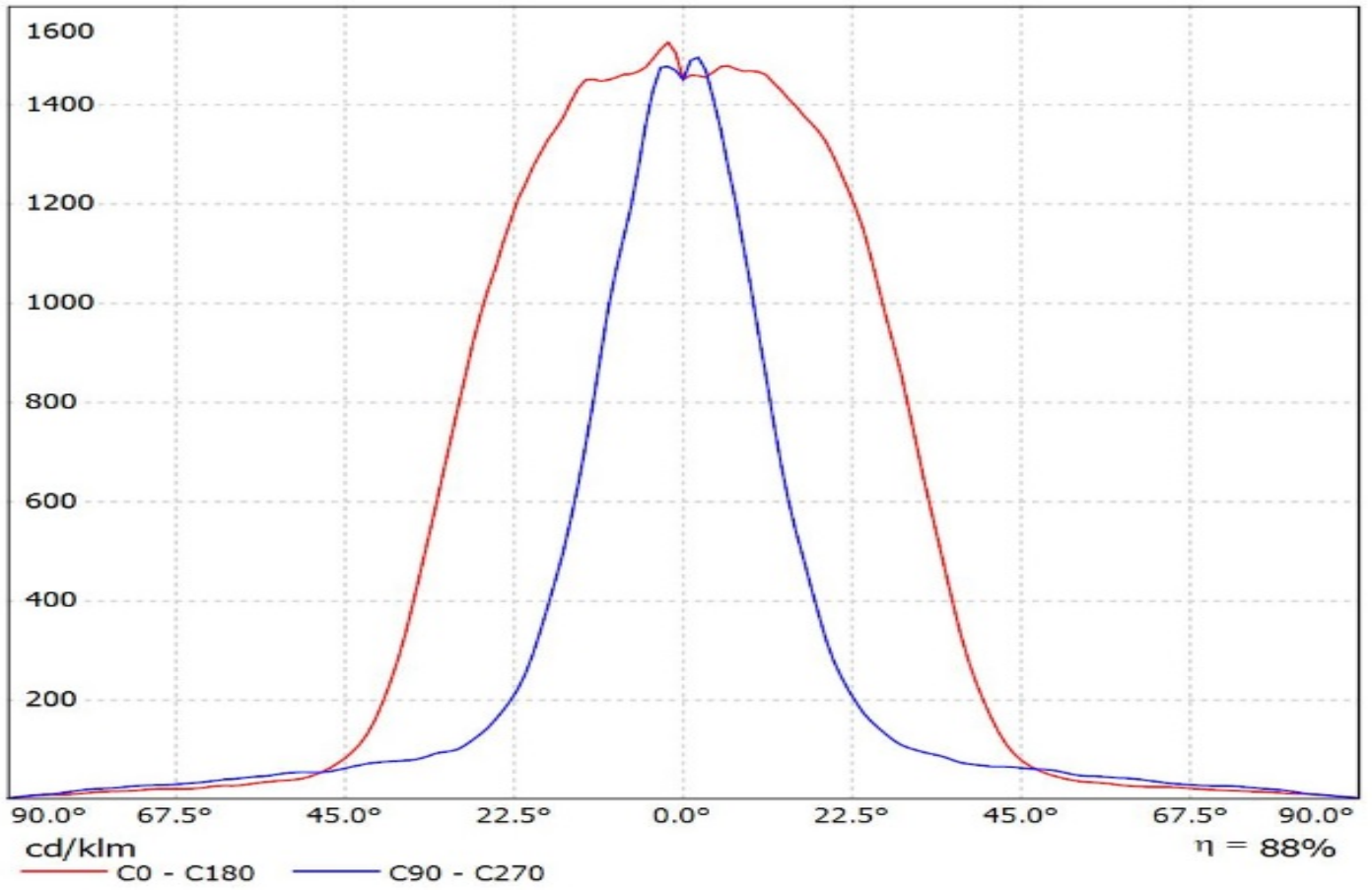


Luminaire: LEDiL Oy CN14811_WINNIE-O_(Soleriq_P6)

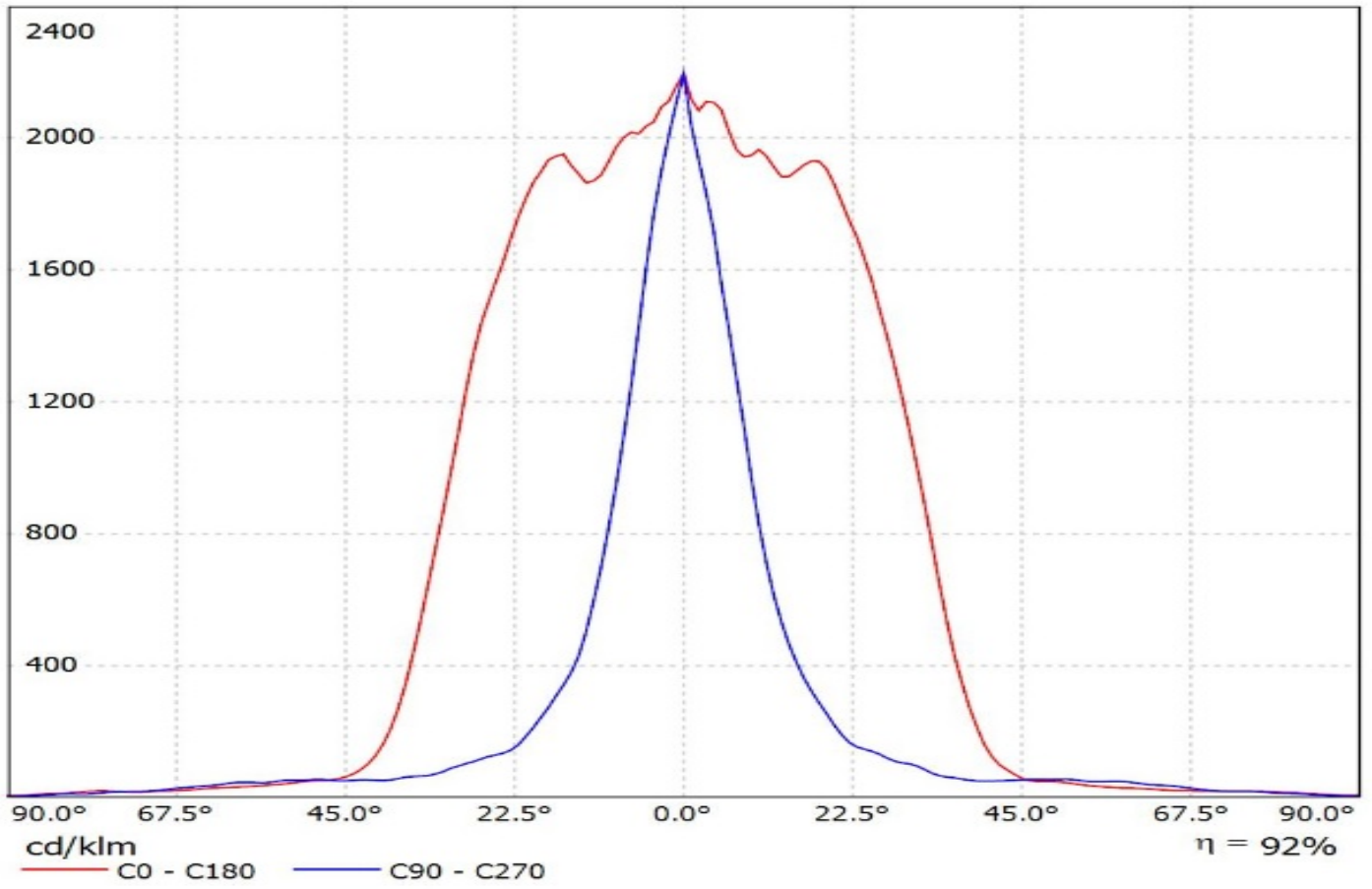
Lamps: 1 x Osram_Soleriq_P6_(GW_MAEGB1.EM)_572.202lm@250mA_CCT=2842K_P=6.16606W_I=0.2499A



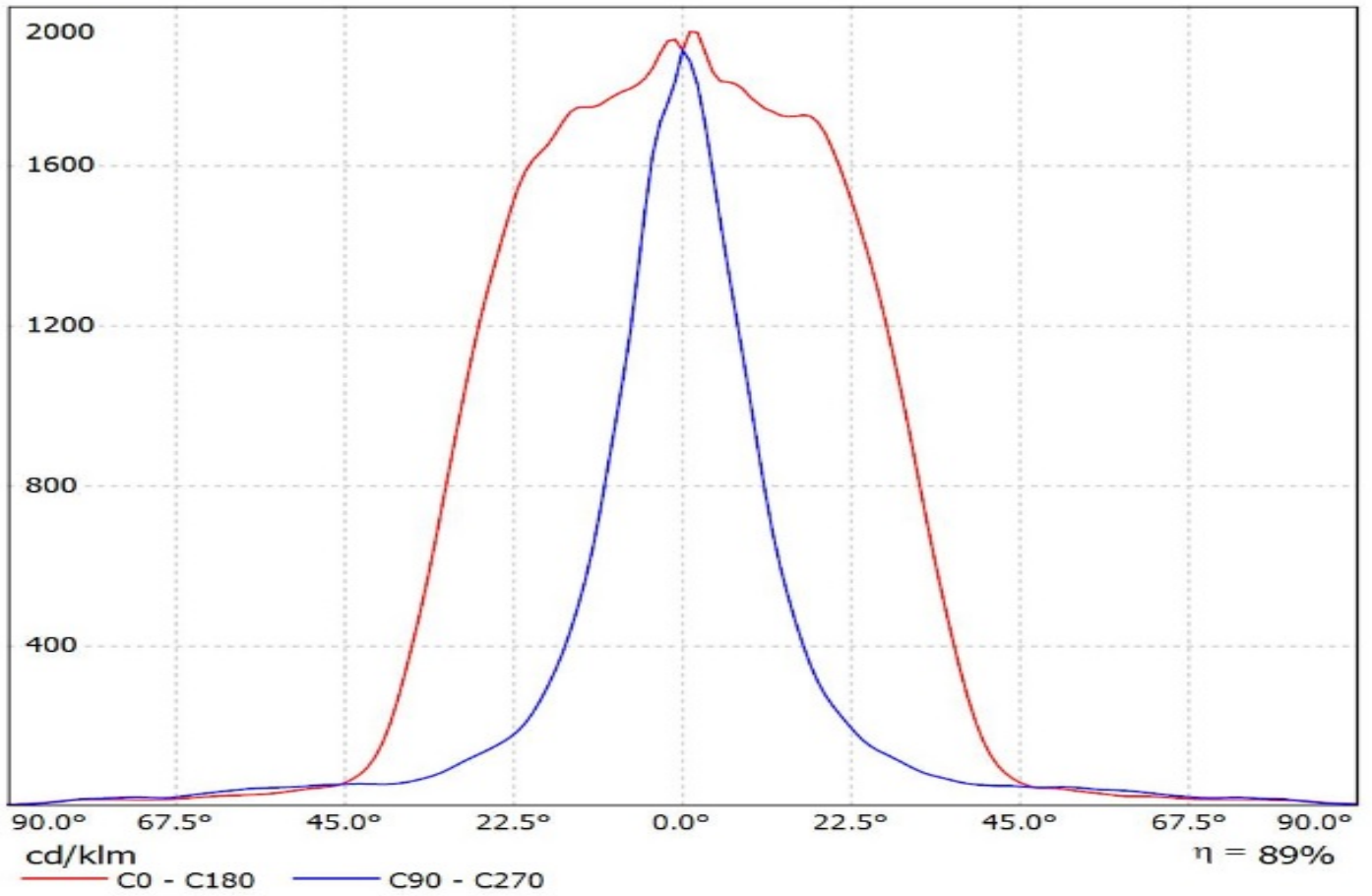
Luminaire: Ledil Oy CN14811_WINNIE-O_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)



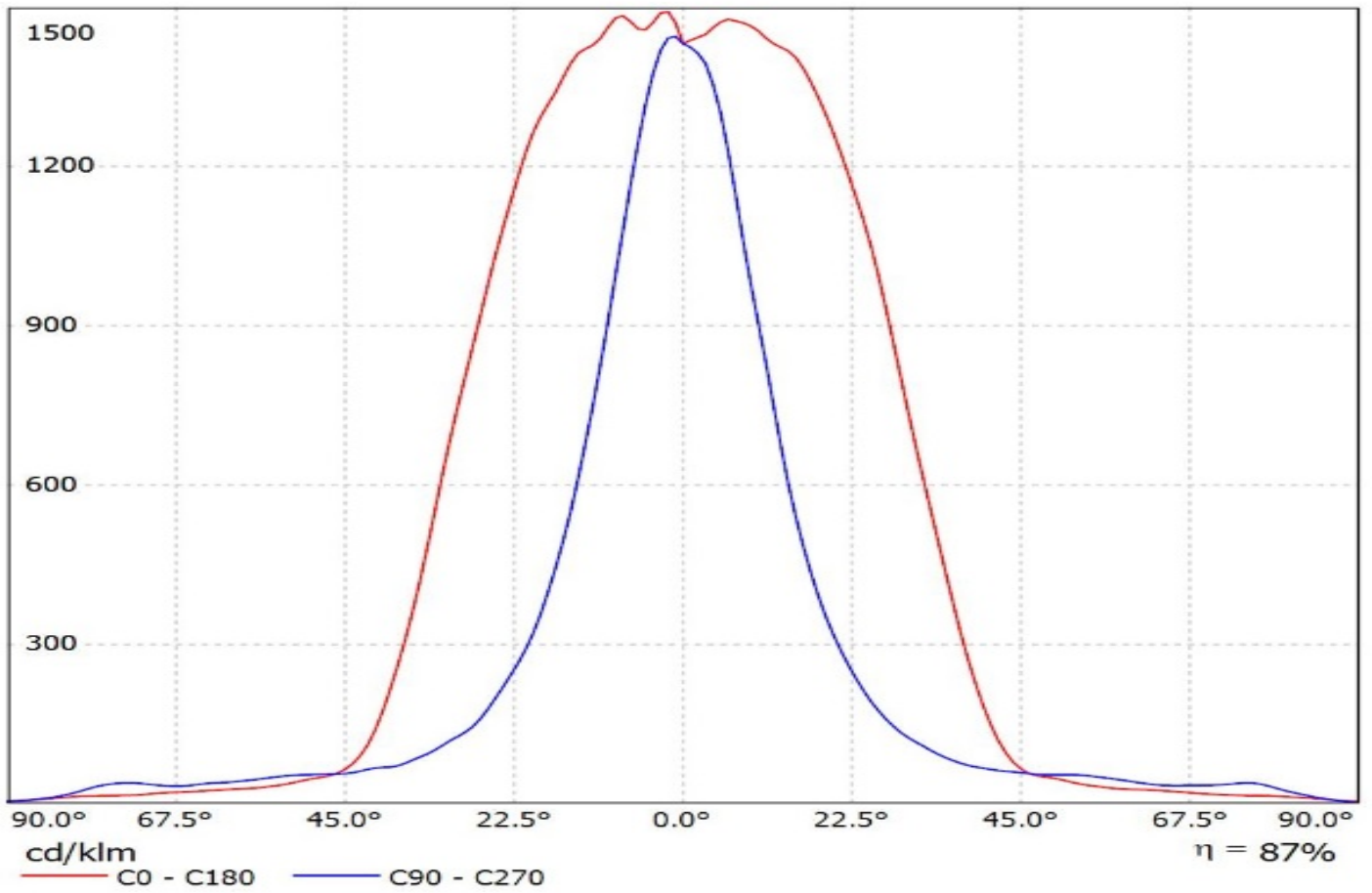
Luminaire: Ledil Oy CN14811_WINNIE-O_(LC010C)_ (479_Type_L5)_SIMULATED
Lamps: 1 x Samsung LC010C + Bender & Wirth 479 Type L5



Luminaire: Ledil Oy CN14811_WINNIE-O_(LC020C)_(B+W_479_Typ_L5)_SIMULATED
Lamps: 1 x Samsung LC020C

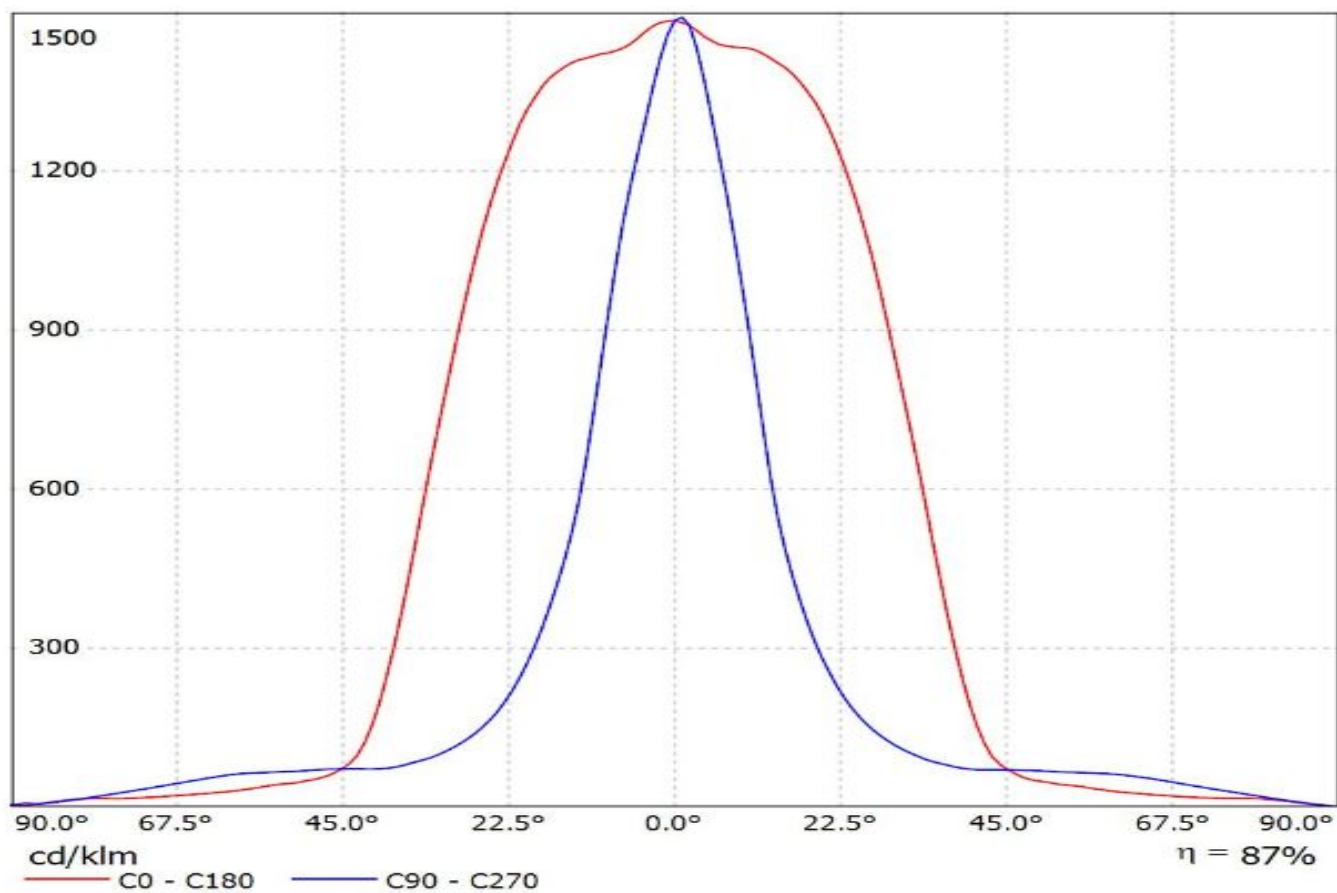


Luminaire: Ledil Oy CN14811_WINNIE-O_(LC040C)_(B+W_479_Typ_L5)_SIMULATED
Lamps: 1 x Samsung LC040C



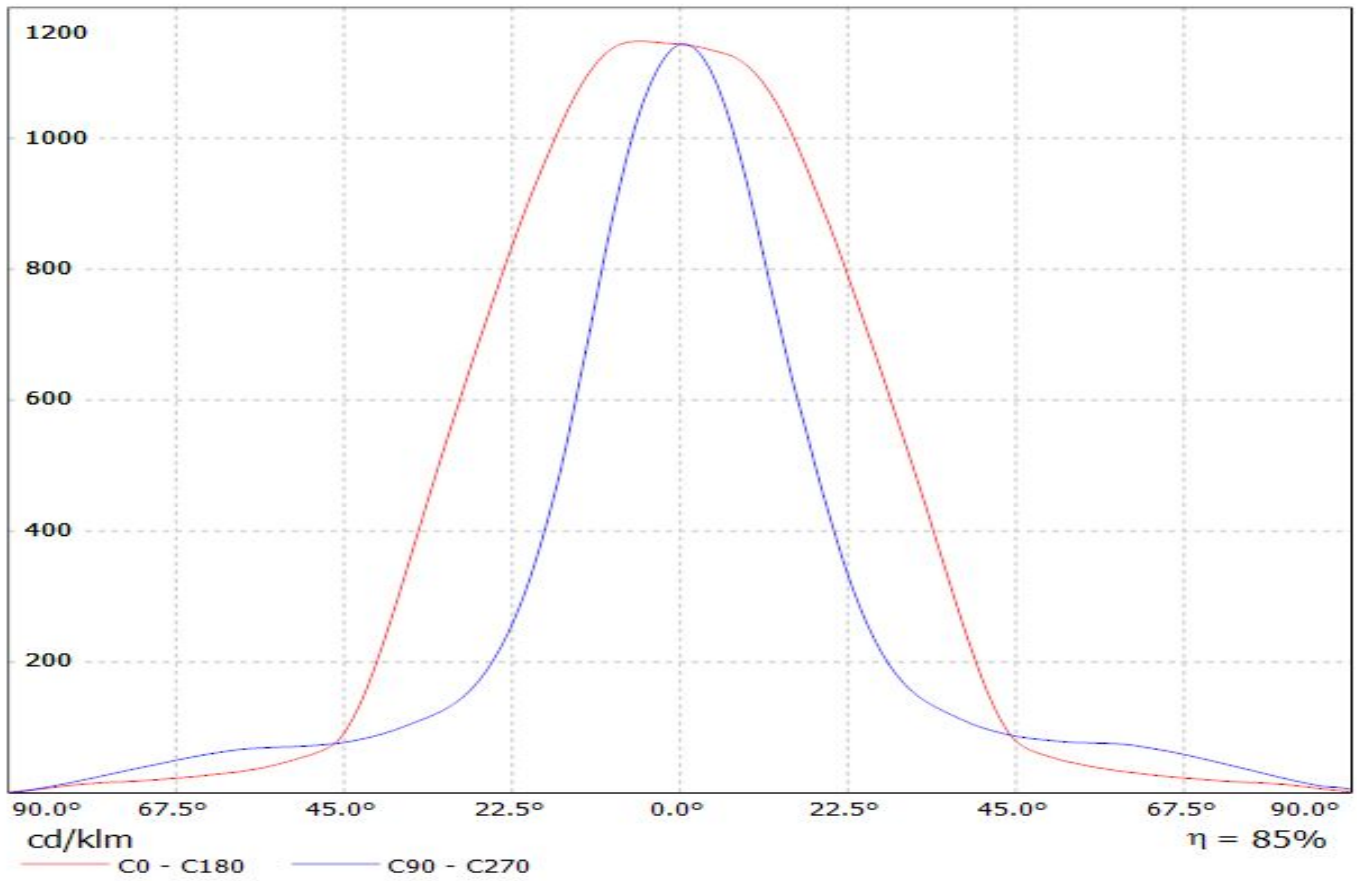
Luminaire: LEDiL Oy CN14811_WINNIE-O_(COB_D_series_LES_9.8mm)

Lamps: 1 x Samsung_COB_D_series_LES_9.8mm_LC013D_551.044lm@100mA_P=3.2212W_I=0.100A



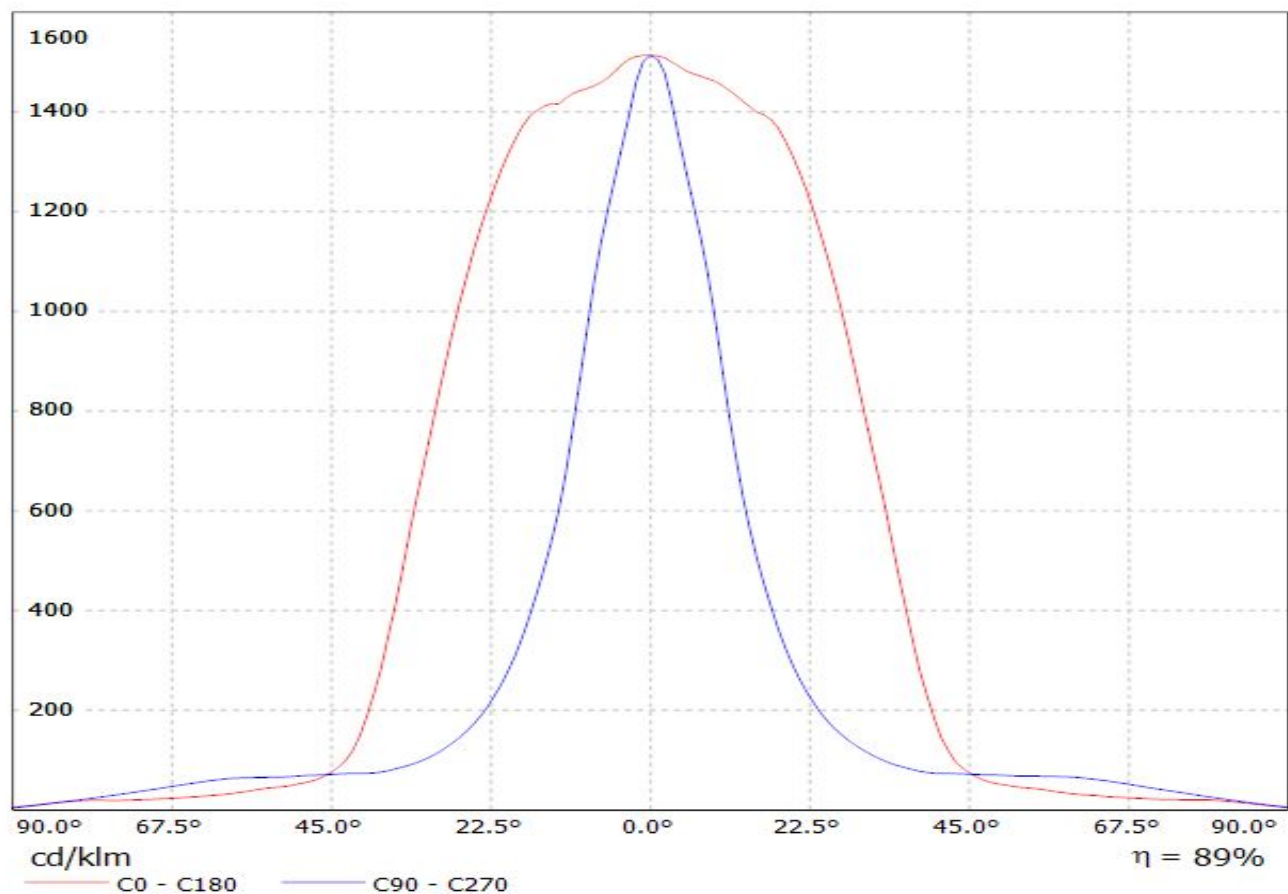
Luminaire: LEDiL Oy CN14811_WINNIE-O_(COB_D_LES-14,5mm)

Lamps: 1 x Samsung_COB_D_Series-LES-14,5_LC026D_1272.15lm@250mA_P=8.07678W_I=0.250A

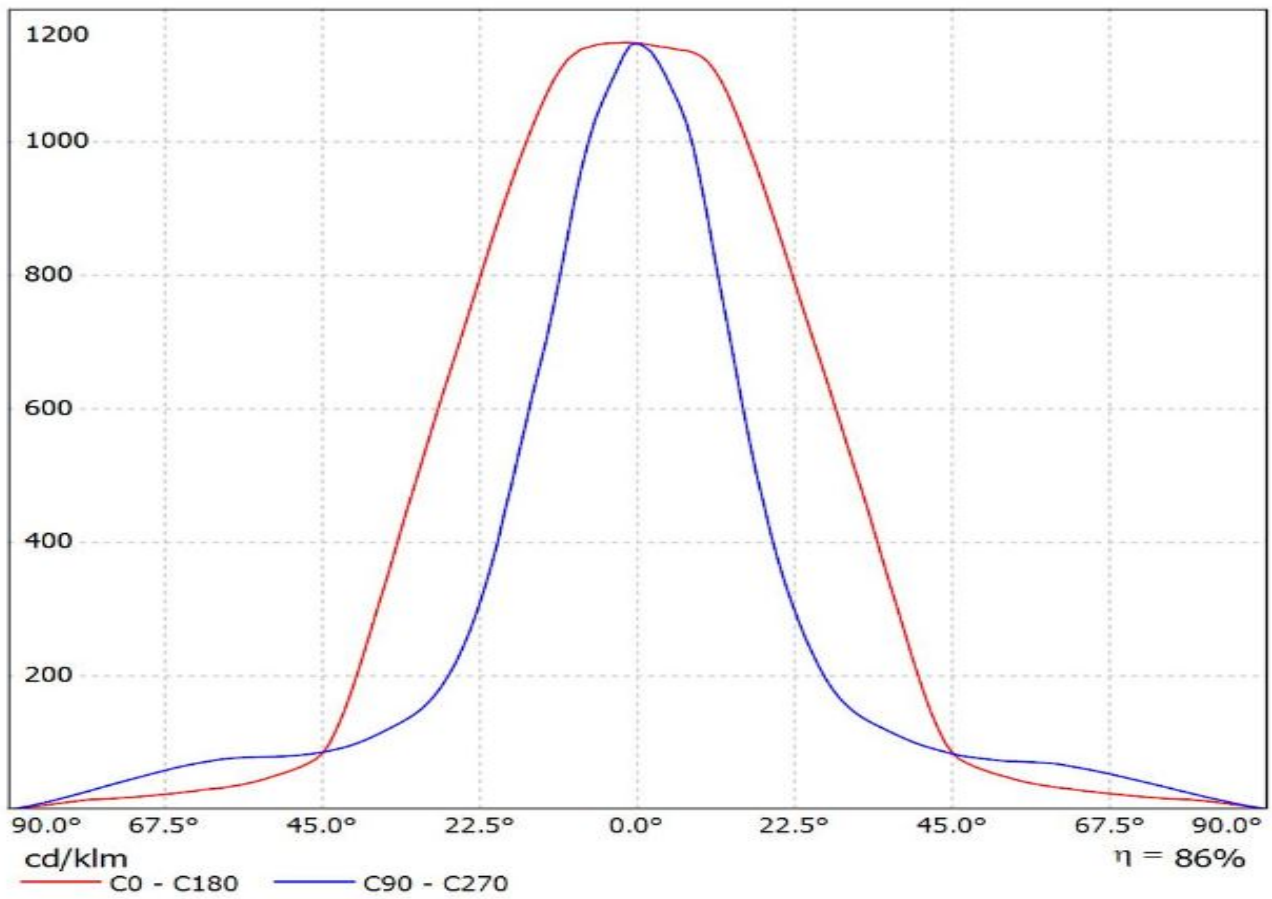


Luminaire: Ledil CN14811_WINNIE-O_(MJT_12W_Les9,8)

Lamps: 1 x Seoul_MJT_12W_Les9.8mm_(SAWx1063A)_1271.35lm@250mA_P=8.45475W_I=0.25A

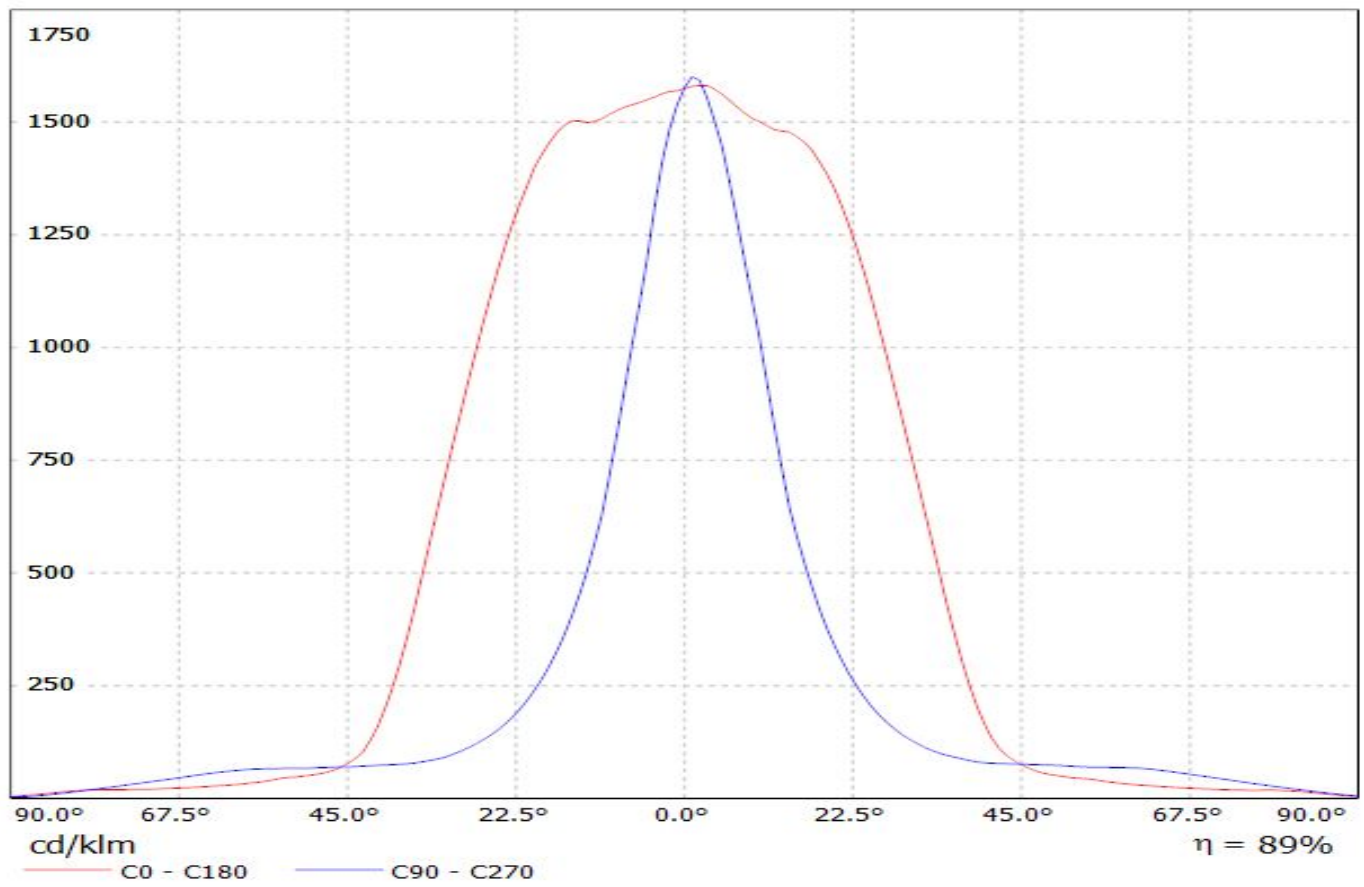


Luminaire: Ledil CN14811_WINNIE-O_(MJT_30W_Les14,5)_+433_Typ_L5
Lamps: 1 x Seoul_MJT_30W_Les14,5mm_(SAWx1566A)_+433_Typ_L5_1352.83lm@250mA_P=8.2325W_I=0.25A

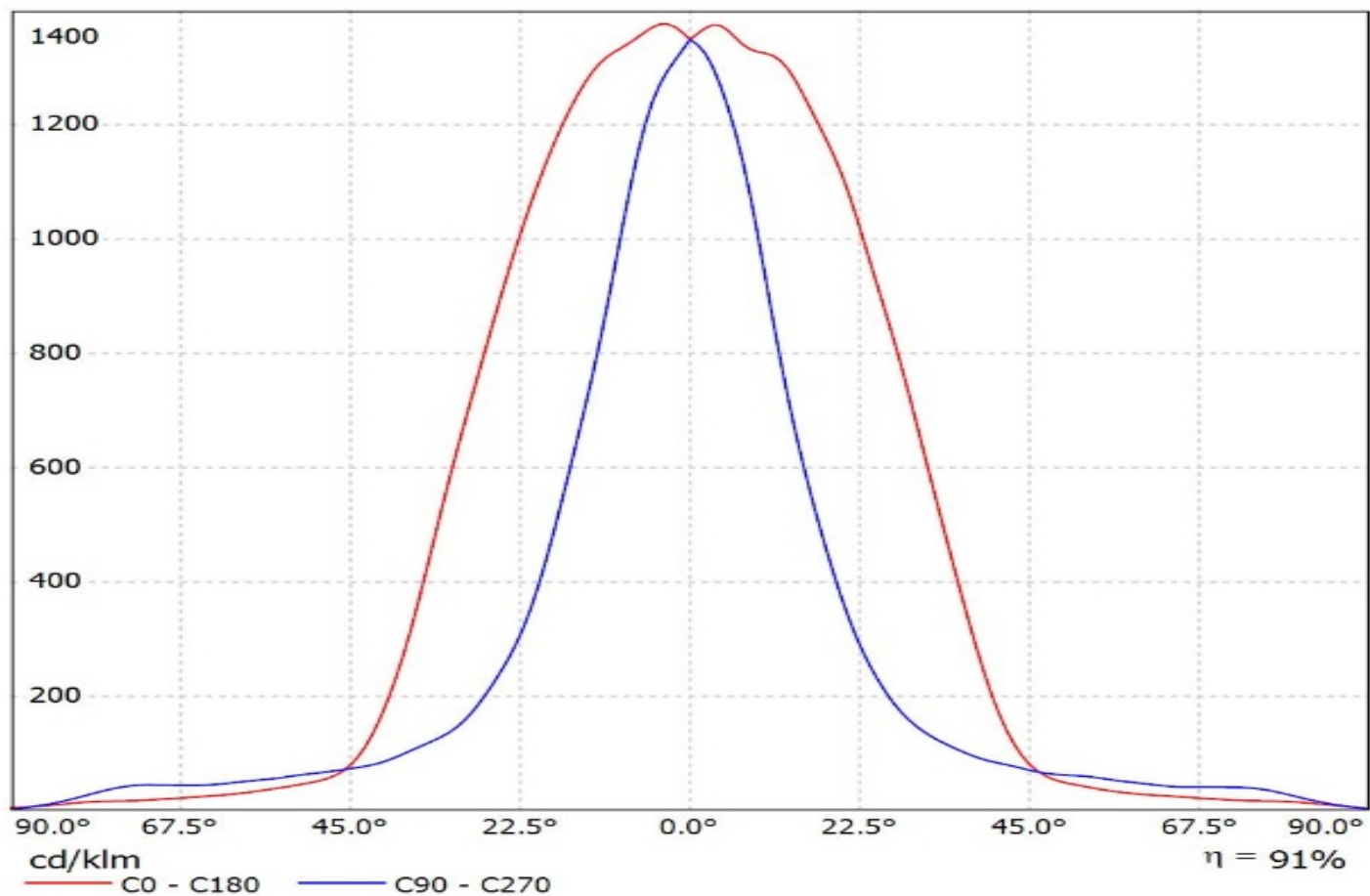


Luminaire: LEDiL Oy CN14811_WINNIE-O_(SLE-G5_LES-11)

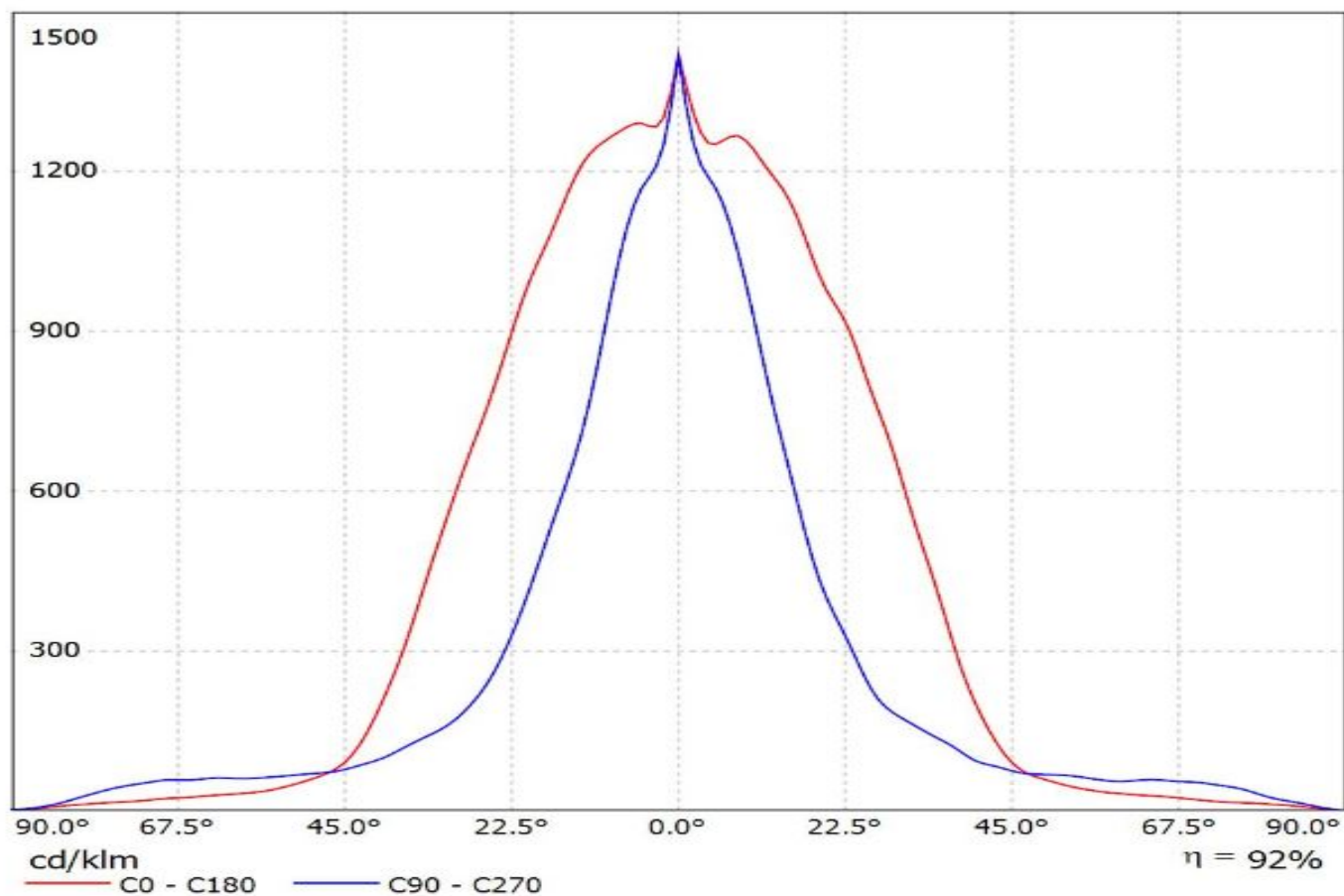
Lamps: 1 x Tridonic_SLE-G5_LES-15_1138.42lm@250mA_P=8.4110W_I=0.250A



Luminaire: Ledil Oy CN14811_WINNIE-O_(SLE_G6_LES15)_(433_Typ_L5)_SIMULATED
Lamps: 1 x Tridonic SLE G5 LES15 + Bender & Wirth 433 Typ L5

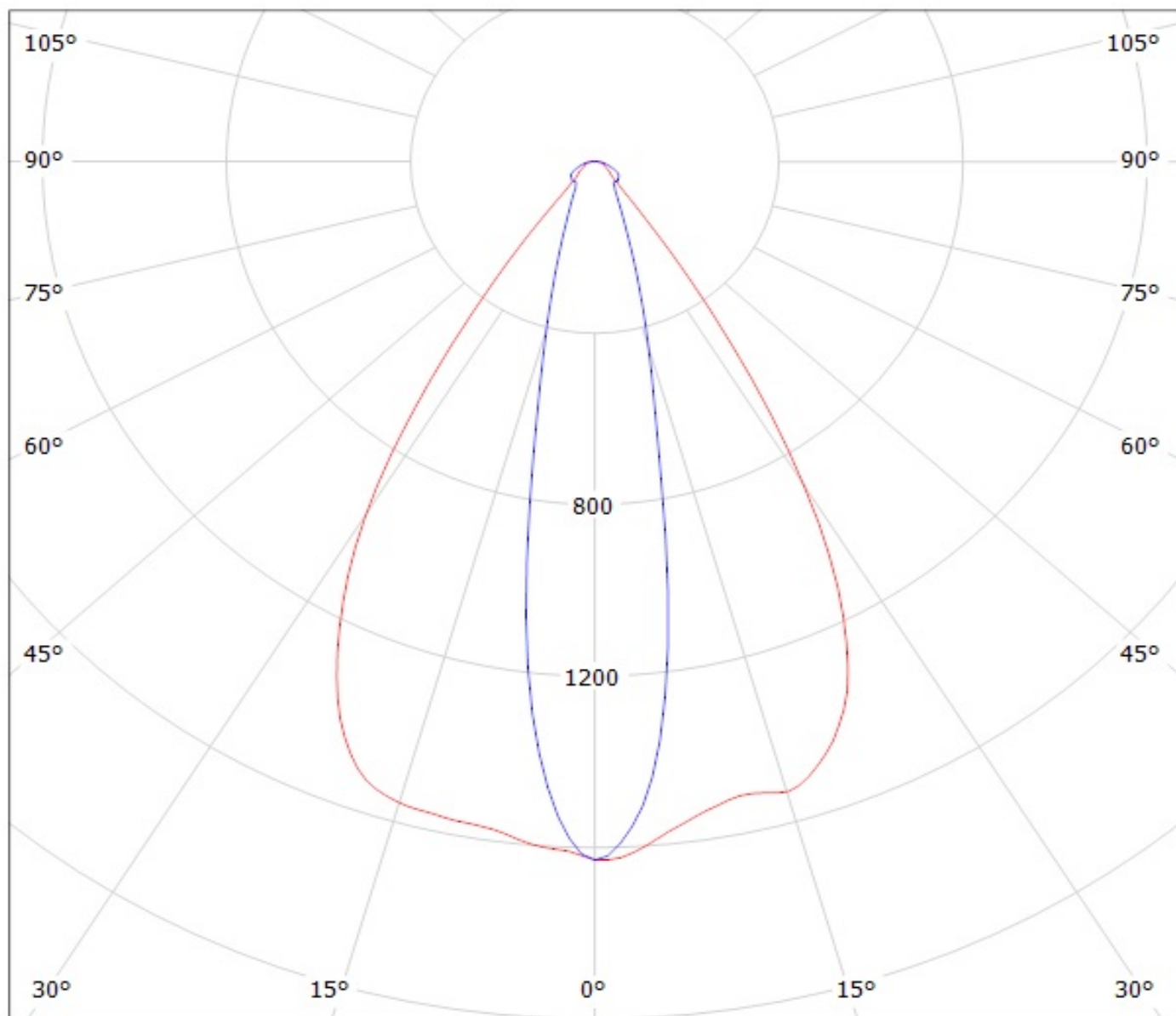


Luminaire: Ledil Oy CN14811_WINNIE-O+_B+W_433_Typ_L5_TRIDONIC_SLE_G6_LES17_SIMULATED
Lamps: 1 x TRIDONIC SLE G6 LES17



Luminaire: LEDiL Oy CN14811_WINNIE-O_(V8)

Lamps: 1 x Bridgelux_V8_(30E800B)_538.754lm@250mA_P=4.25005W_I=0.2499A



cd/klm

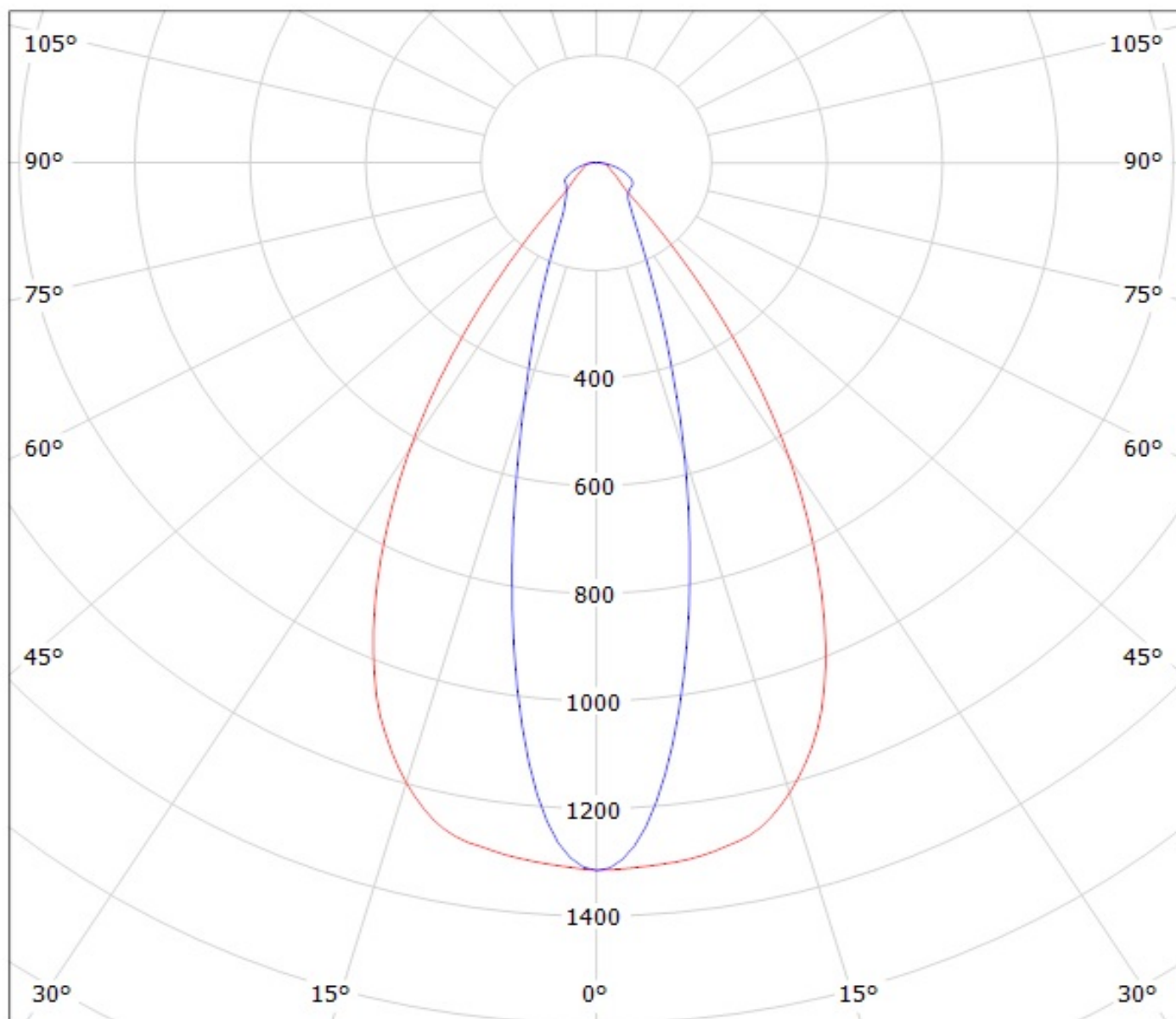
$\eta = 89\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CN14811_WINNIE-O_(V13)

Lamps: 1 x Bridgelux_V13_(BXRC-30E2000-C-23)_1058.65lm@250mA_P=7.63295W_I=0.2499A



cd/klm

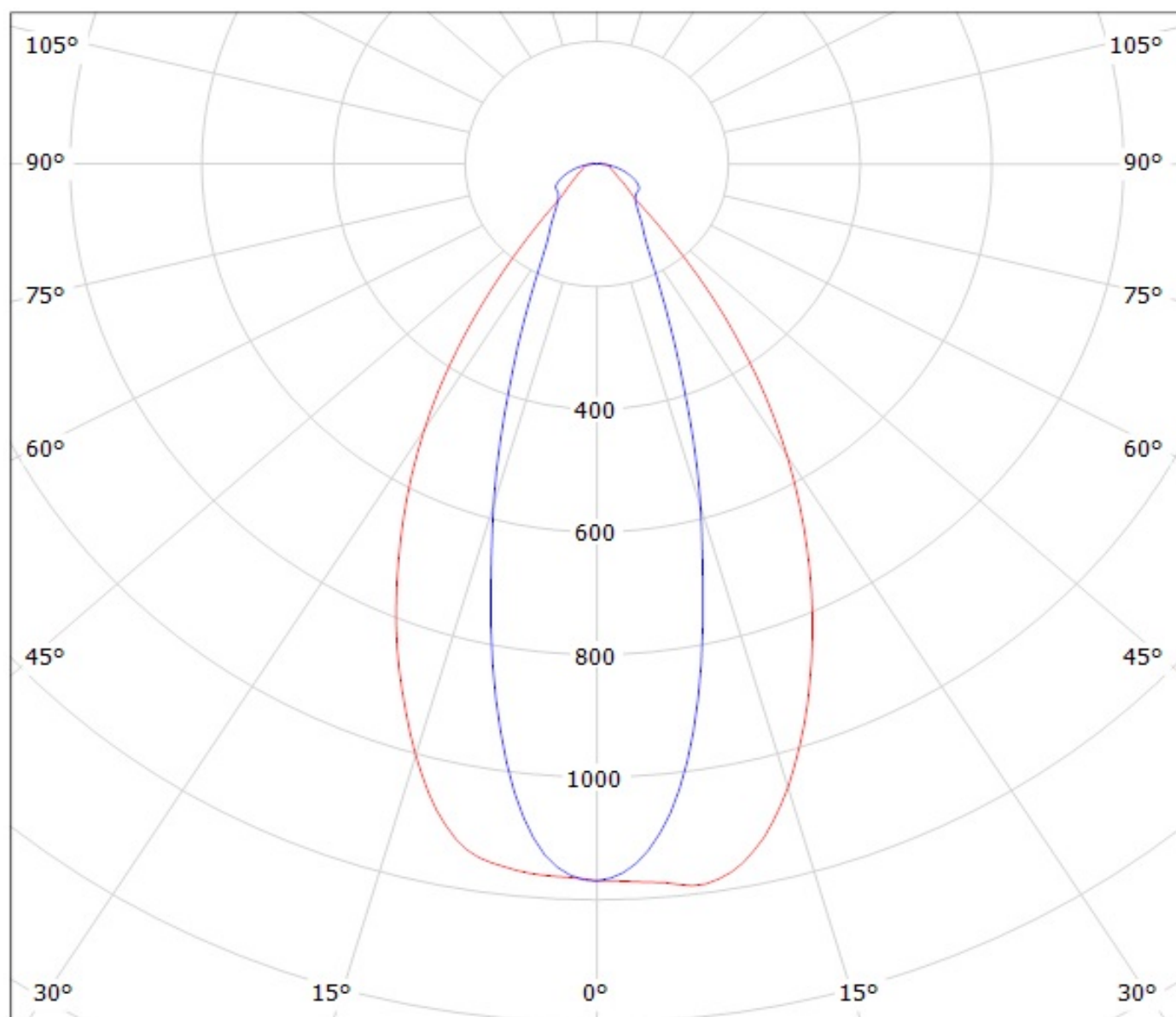
$\eta = 88\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CN14811_WINNIE-O_(V15)

Lamps: 1 x Bridgelux_V15_(30E3001D_Y2)_1180.03lm@250mA_P=8.16498W_I=0.2499A



cd/klm

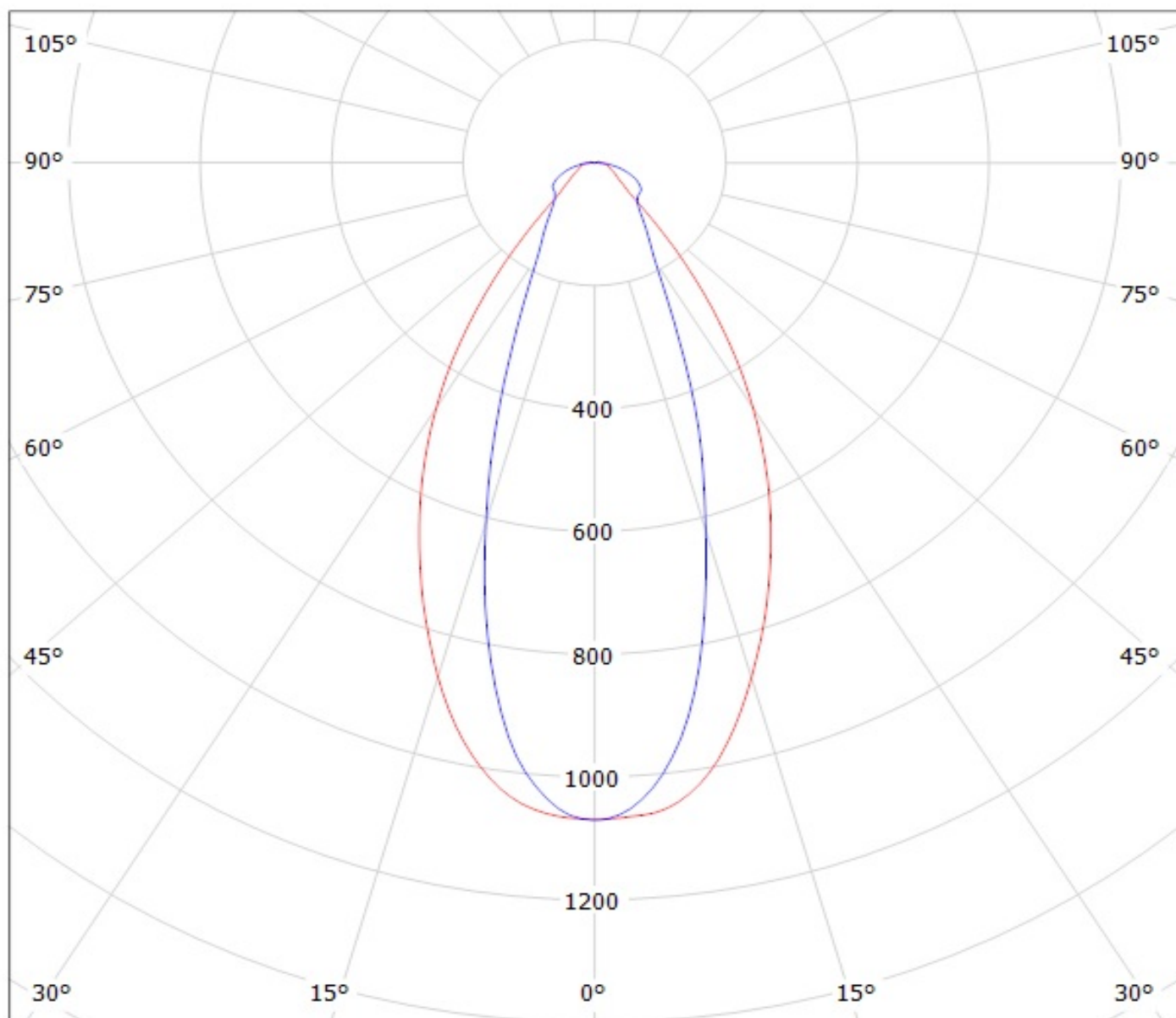
— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: LEDiL Oy CN14811_WINNIE-O_(V18)

Lamps: 1 x Bridgelux_V18_(BXRC-30E4000-F-23)_1036.46lm@250mA_P=6.77429W_I=0.2499A



cd/klm

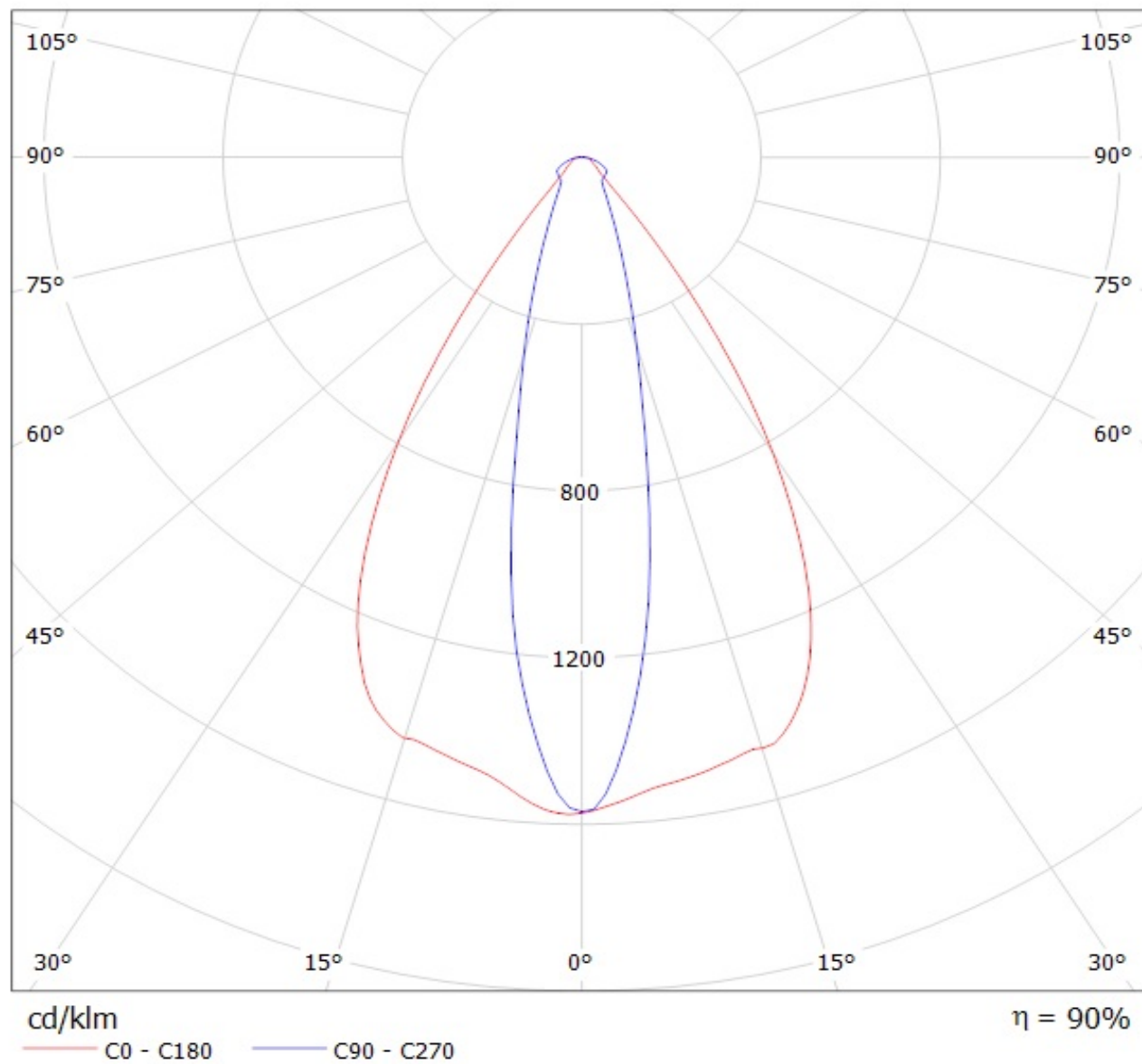
$\eta = 88\%$

— C0 - C180

— C90 - C270

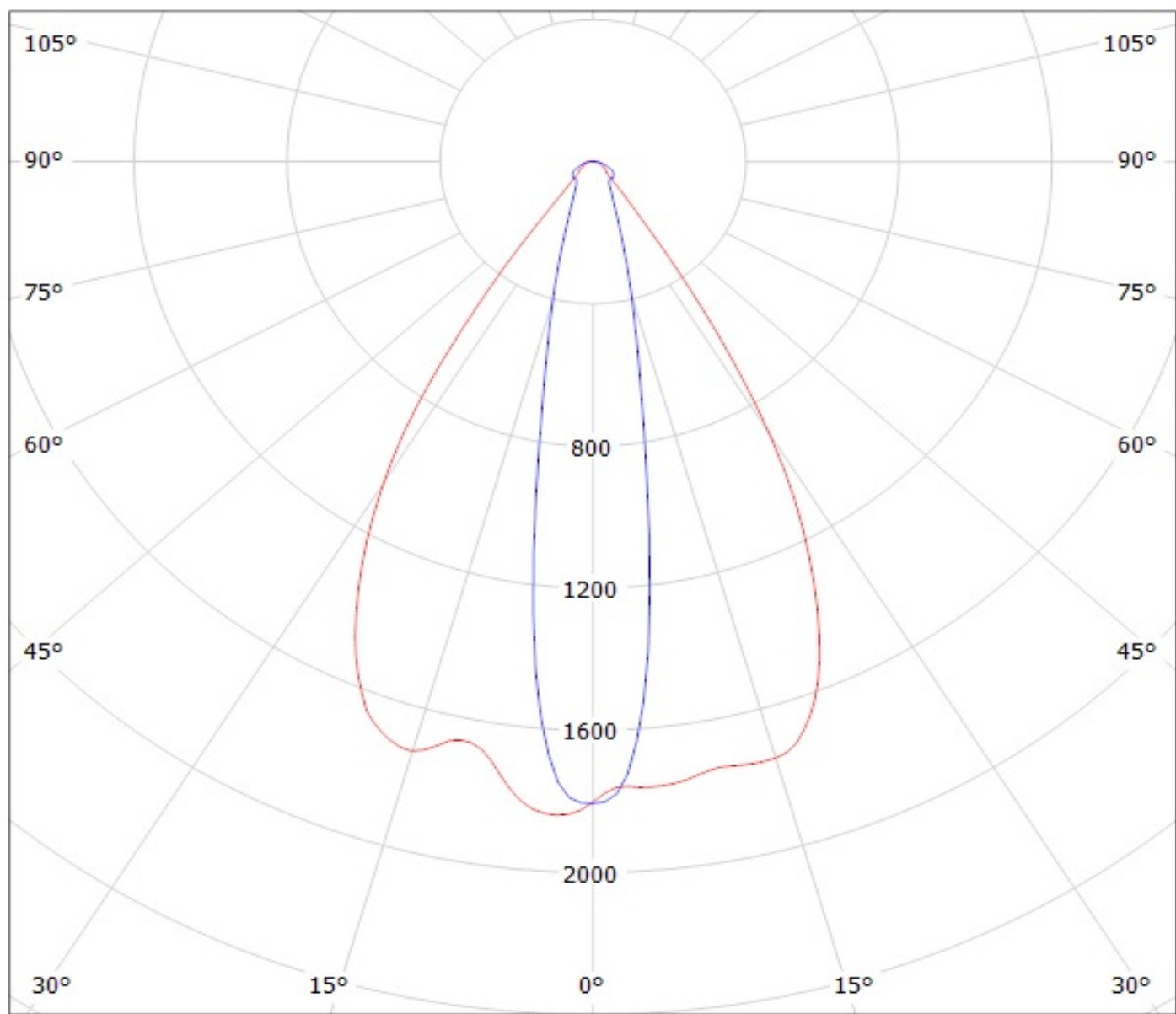
LEDiL Oy CN14811_WINNIE-O_(CLU024)_(434_Typ_L5) / LDC (Polar)

Luminaire: LEDiL Oy CN14811_WINNIE-O_(CLU024)_(434_Typ_L5)
Lamps: 1 x Citizen_CLU024_(CLU024-1204B8-303M1A2)_(434_Typ_L5)
_996.219lm@250mA_P=8.4851W_I=0.2499A



Luminaire: LEDiL Oy CN14811_WINNIE-O_(CLU700)

Lamps: 1 x Citizen_CLU700_(CLU700-1002B8-273M2G2)_377.434lm@100mA_P=2.80019W_I=0.1002A



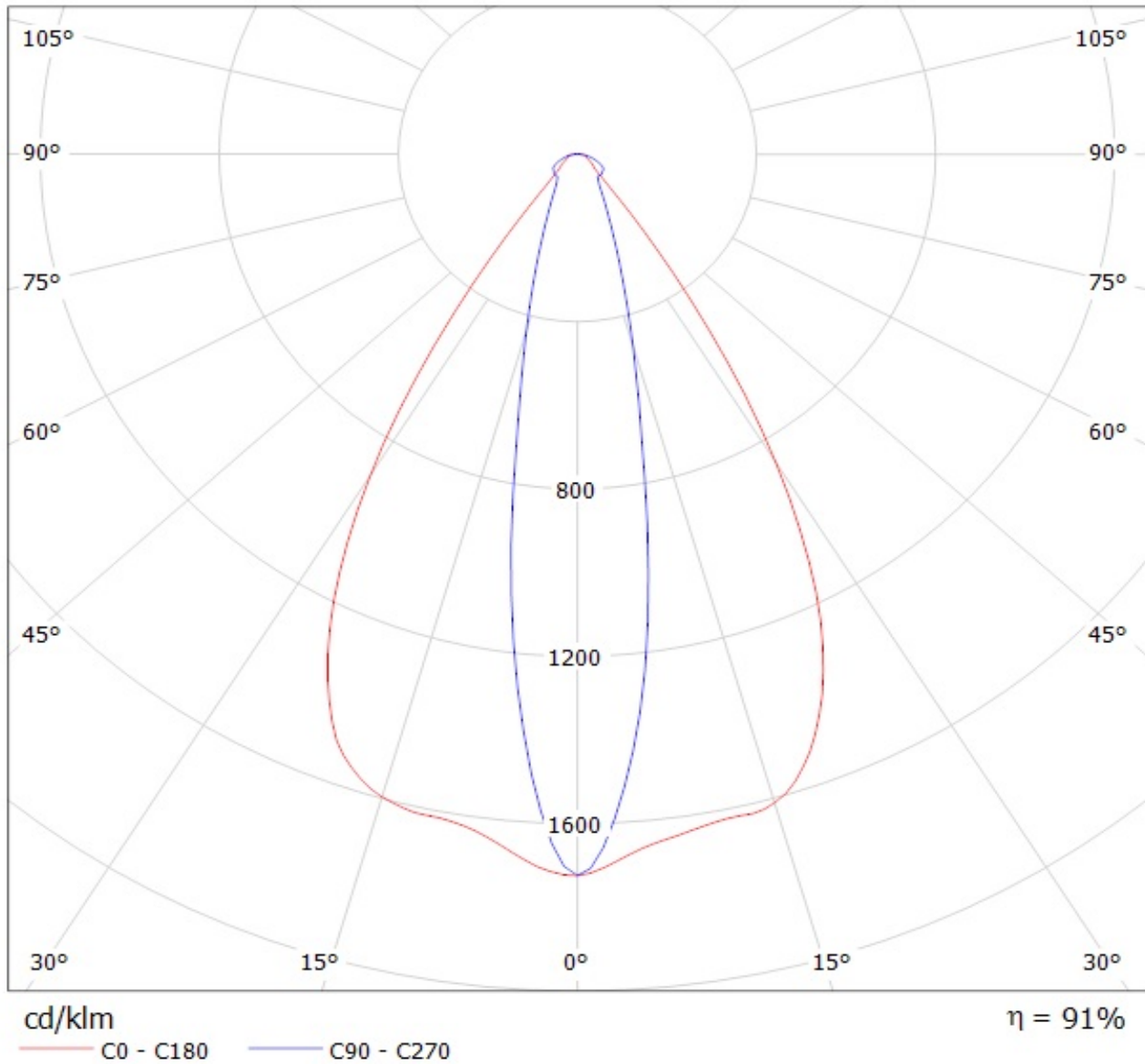
cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

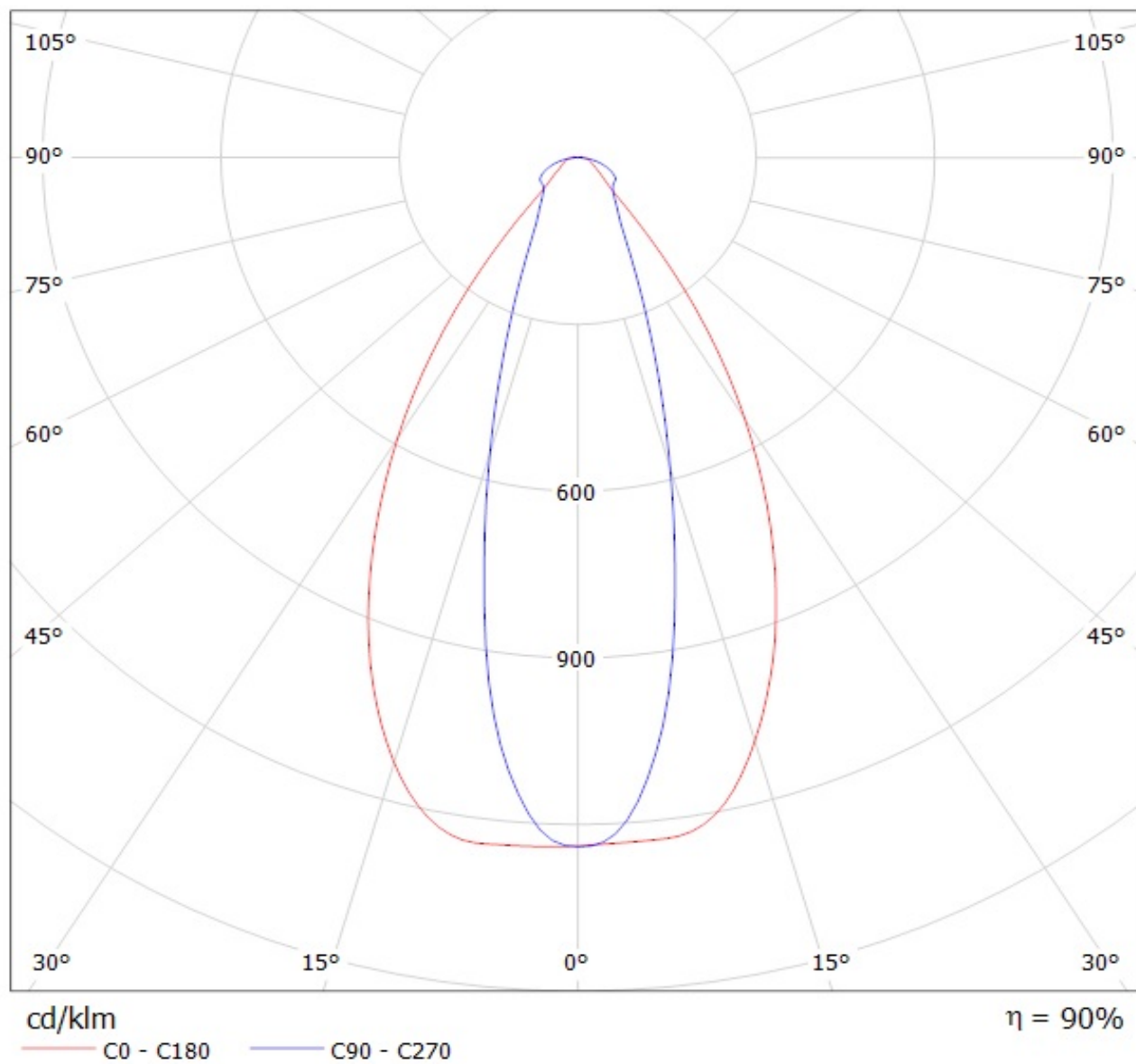
LEDiL Oy CN14811_WINNIE-O_(CLU710)_(470_Typ_L5) / LDC (Polar)

Luminaire: LEDiL Oy CN14811_WINNIE-O_(CLU710)_(470_Typ_L5)
Lamps: 1 x Citizen_CLU710_(CLU710-1204B8-273M2G1)_(470_Typ_L5)
_1115.02lm@250mA_P=8.50285W_I=0.2499A



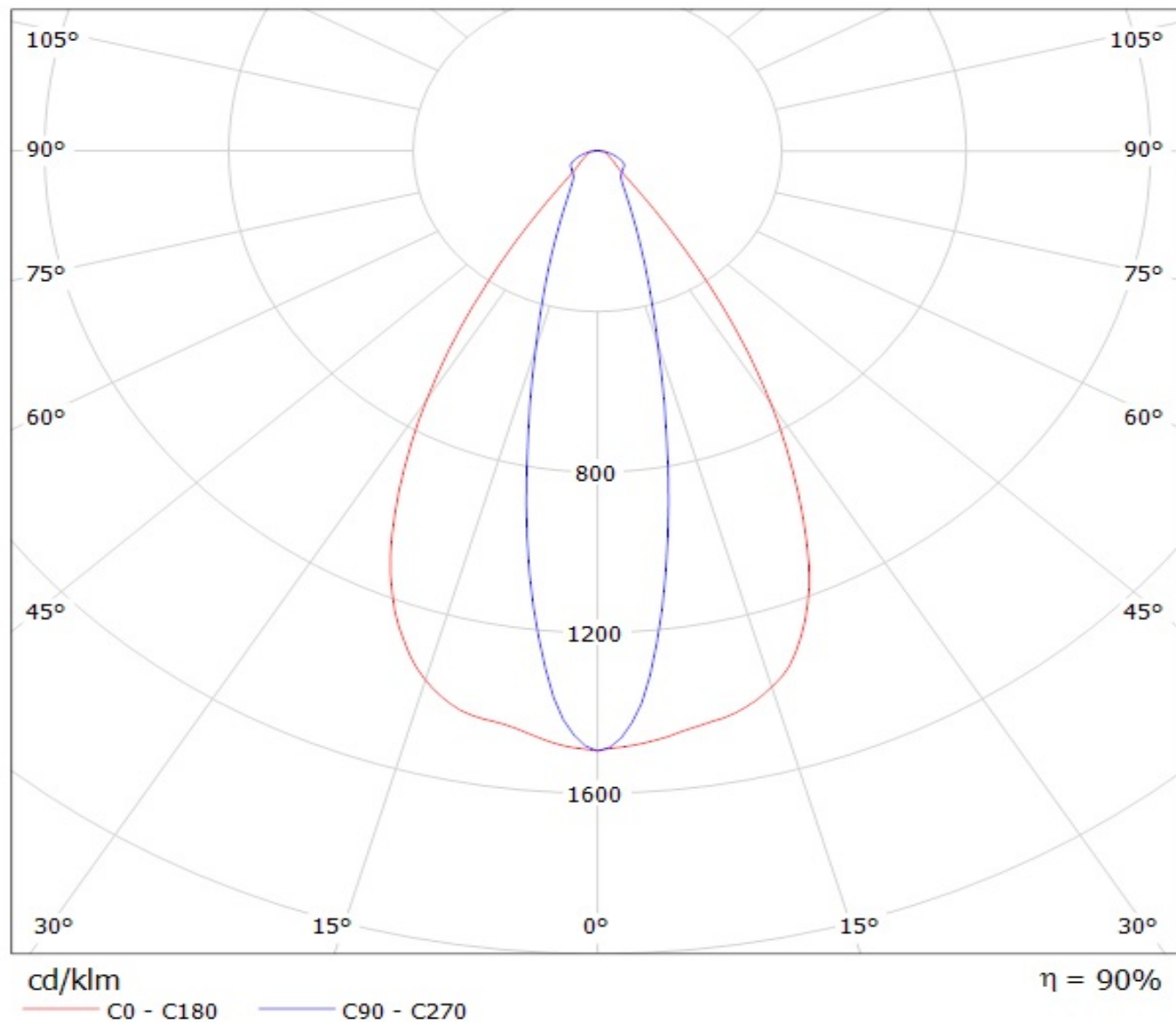
LEDiL Oy CN14811_WINNIE-O_(CLU034)_(433_Typ_L5) / LDC (Polar)

Luminaire: LEDiL Oy CN14811_WINNIE-O_(CLU034)_(433_Typ_L5)
Lamps: 1 x Citizen_CLU034_(CLU034-1205B8-303M1A2)_(433_Typ_L5)
_1141.41lm@250mA_P=8.45137W_I=0.2499A



LEDiL Oy CN14811_WINNIE-O_(CLU720)_(433_Typ_L5) / LDC (Polar)

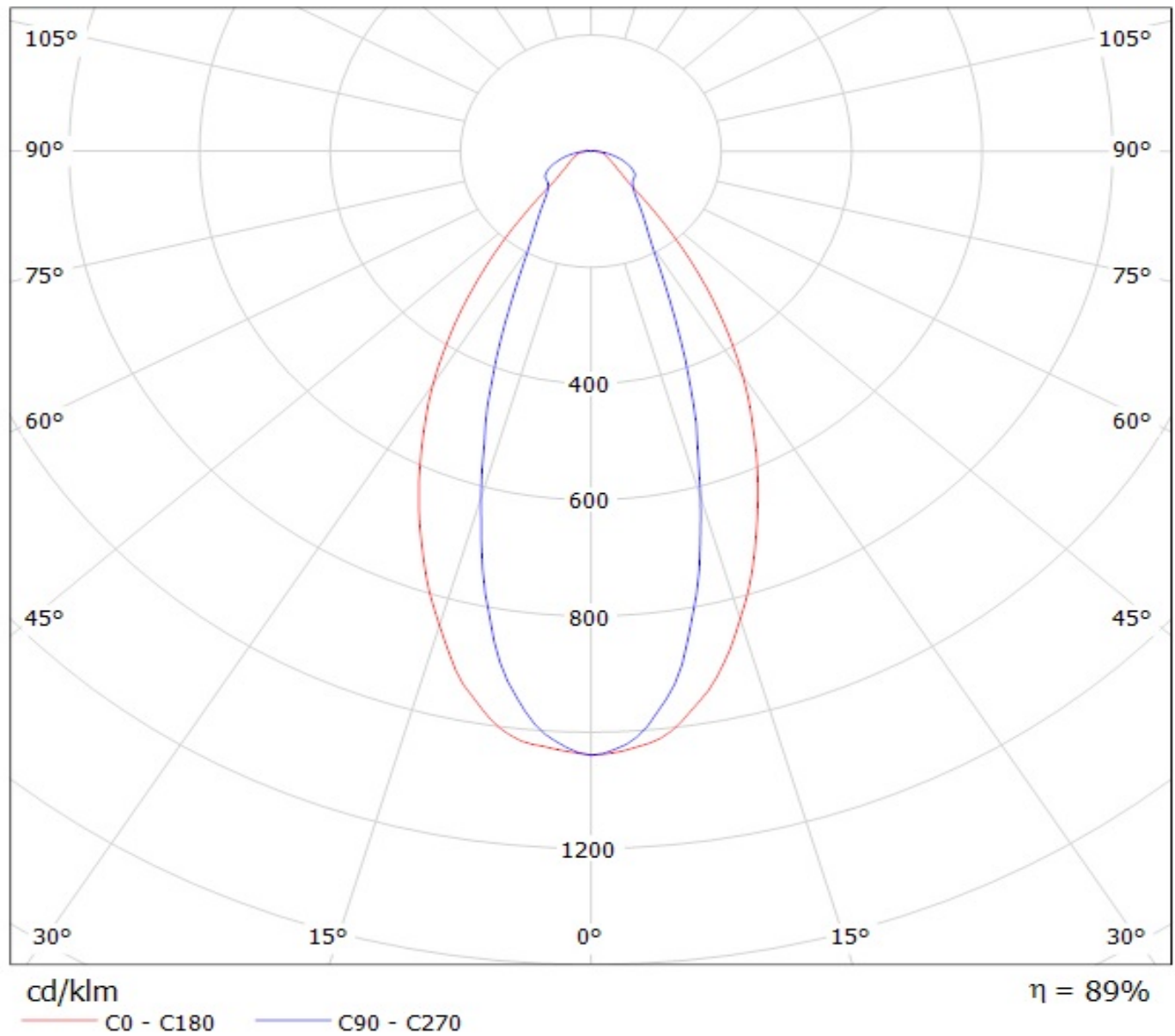
Luminaire: LEDiL Oy CN14811_WINNIE-O_(CLU720)_(433_Typ_L5)
Lamps: 1 x Citizen_CLU720_(CLU720-1206B8-273M2G1)_(433_Typ_L5)
_1199.34lm@250mA_P=8.28768W_I=0.2499A



LEDiL Oy CN14811_WINNIE-O_(CXB2540) / LDC (Polar)

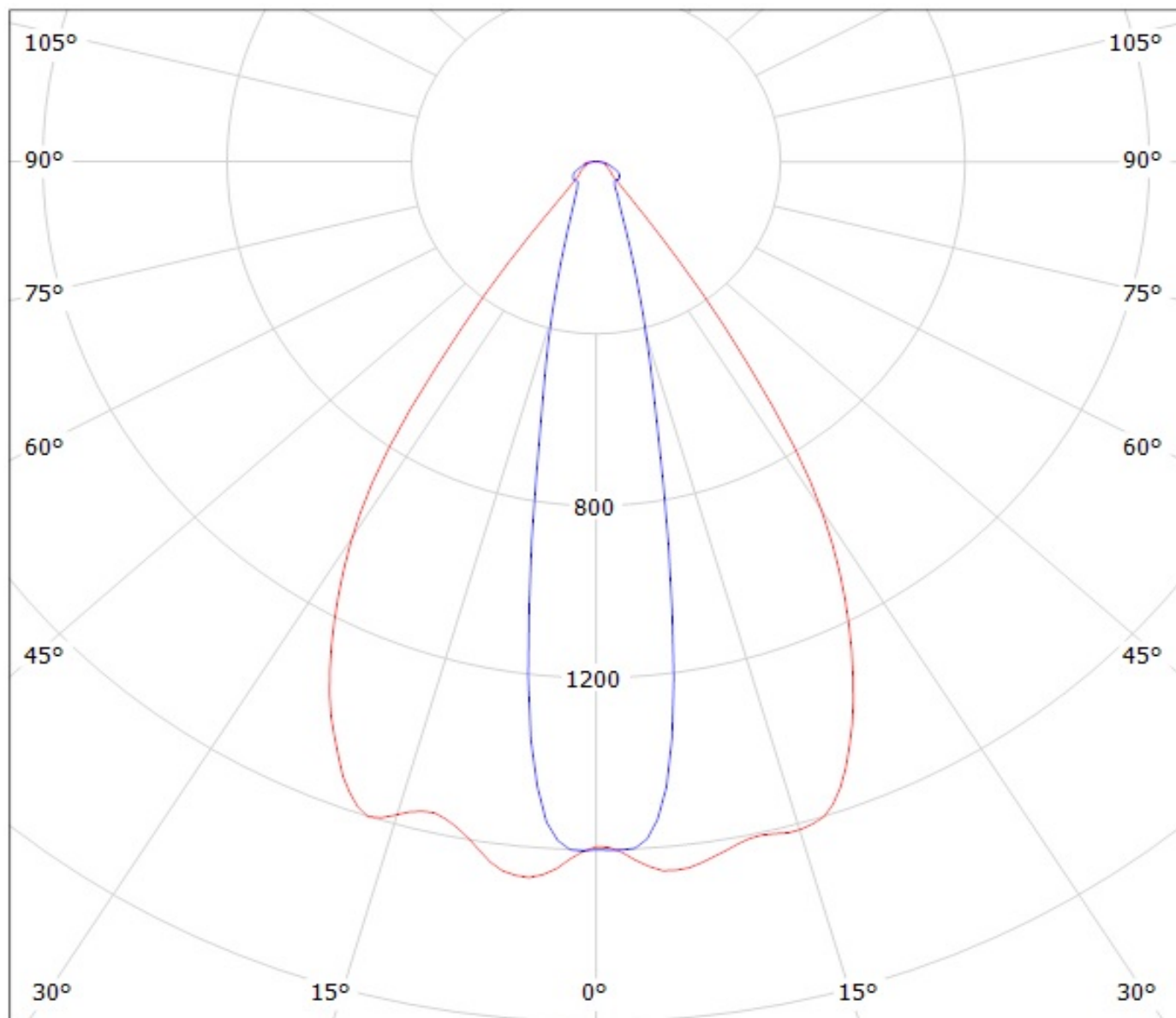
Luminaire: LEDiL Oy CN14811_WINNIE-O_(CXB2540)

Lamps: 1 x Cree_CXB2540_(CXB2540-40G-W4-N0H-00002)_1379.58lm@250mA_P=8.09151W_I=0.2499A



Luminaire: LEDiL Oy CN14811_WINNIE-O_(CXB1304)

Lamps: 1 x Cree_CXB1304_(CXB1304-50G-C4-C0H-00001)_334.09lm@250mA_P=2.11403W_I=0.2499A



cd/klm

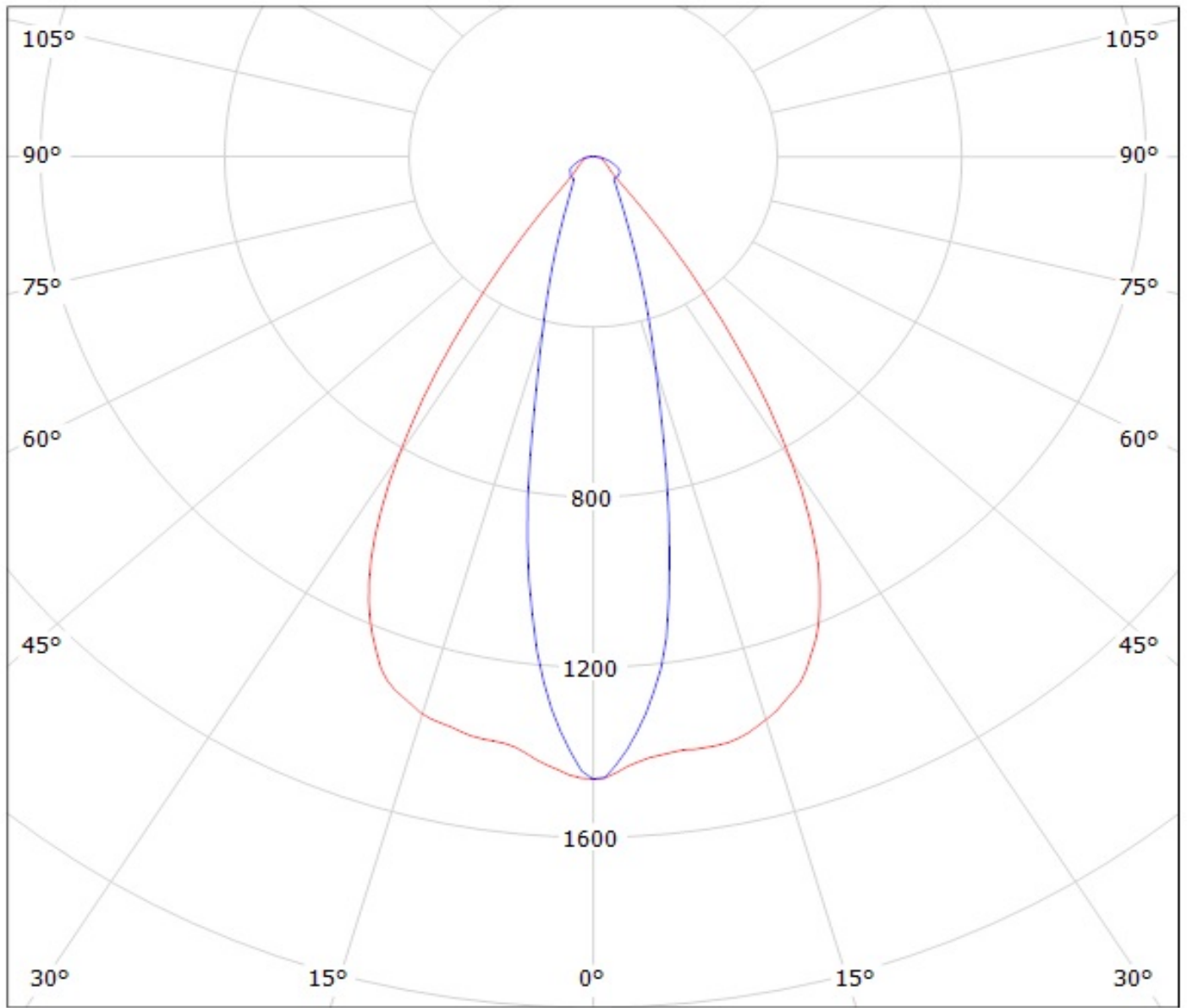
— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: LEDiL Oy CN14811_WINNIE-O_(CXB1507)

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



cd/klm

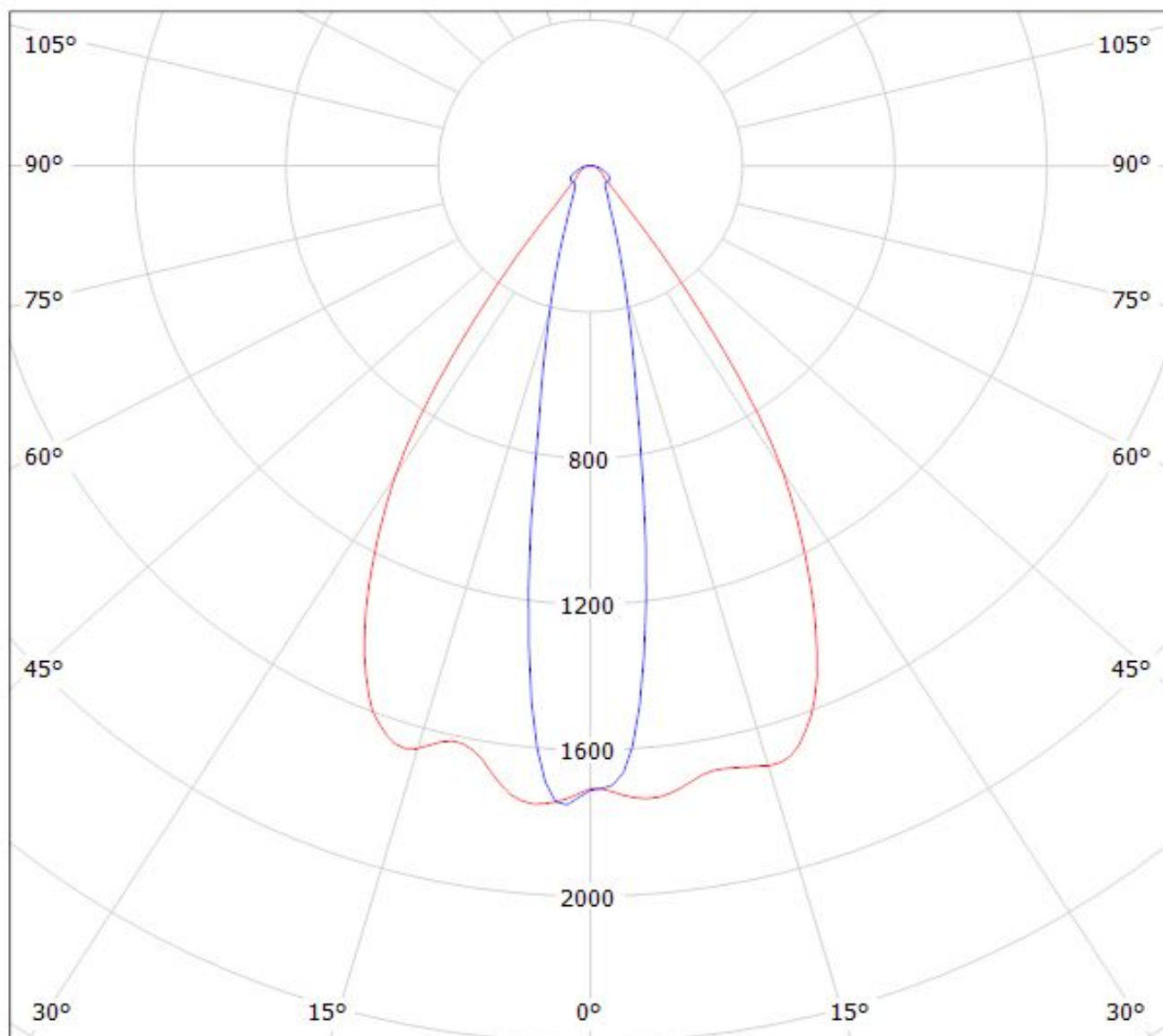
$\eta = 89\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CN14811_WINNIE-O_(CoB_1202s)

Lamps: 1 x Luxeon_CoB_1202s_237.577lm@100mA_P=1.62252W_I=0.100A



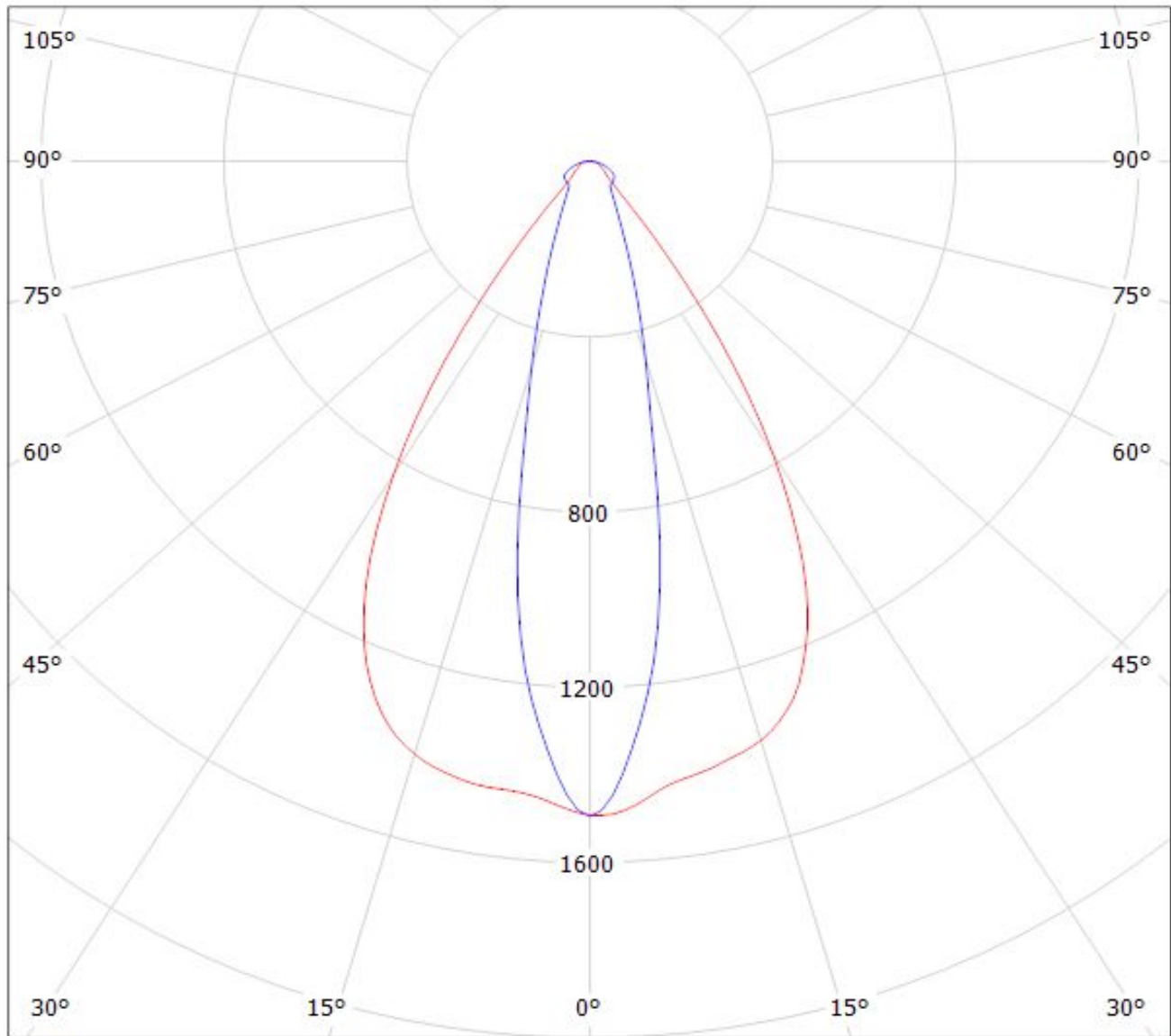
cd/klm

$\eta = 89\%$

— C0 - C180 — C90 - C270

Luminaire: LEDiL Oy CN14811_WINNIE-O_(CoB_1203)

Lamps: 1 x Luxeon_CoB_1203_(LHC1-3080-1203)_997.195lm@250mA_CCT=3000K_P=8.64383W_I=0.250A



cd/klm

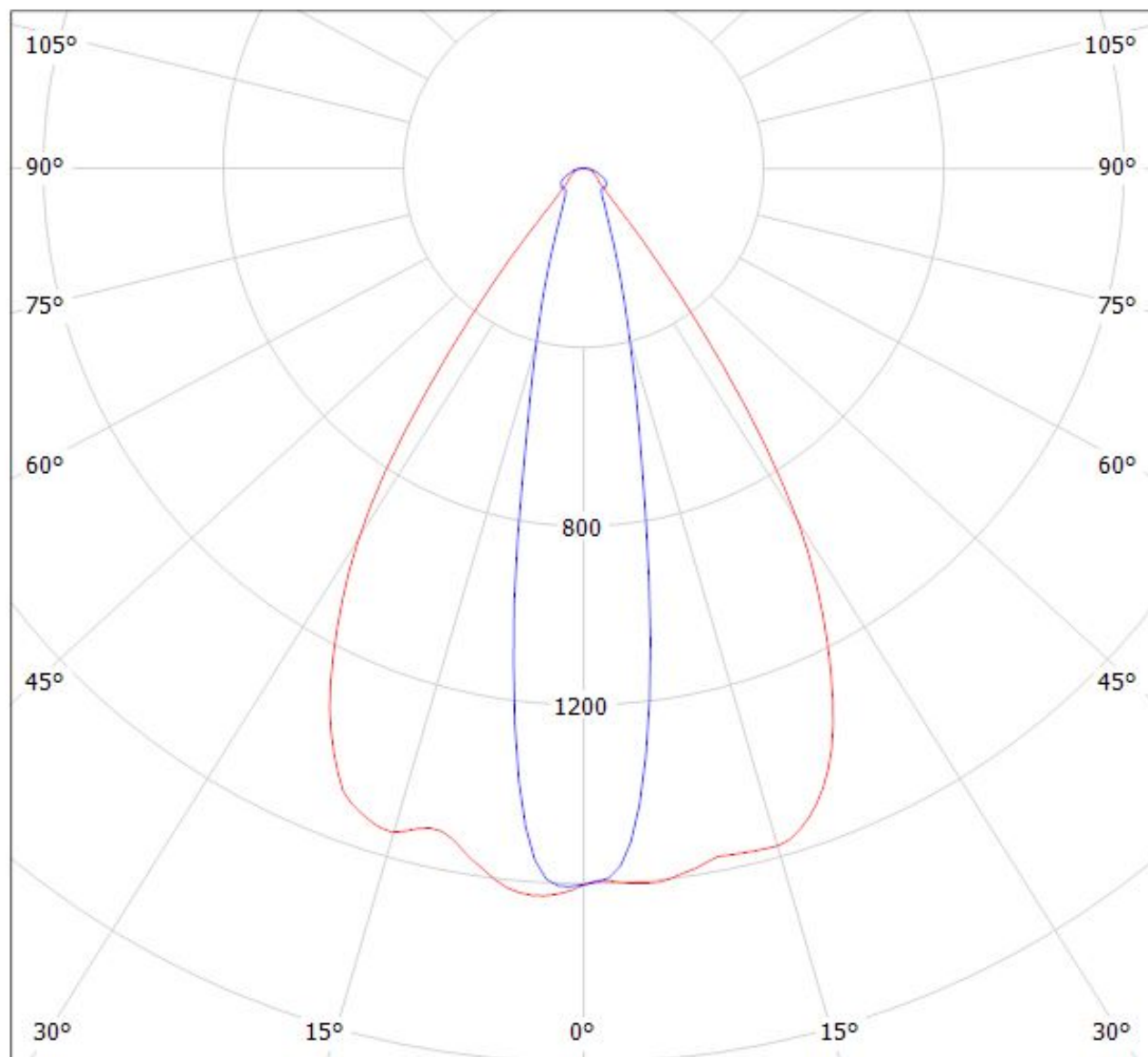
— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: LEDiL Oy CN14811_WINNIE-O_(CoB_105)

Lamps: 1 x Luxeon_CoB_105_(L2C3-2790_105E0600)_599.826lm@250mA_CCT=2700K_P=9.46167W_I=0.250A



cd/klm

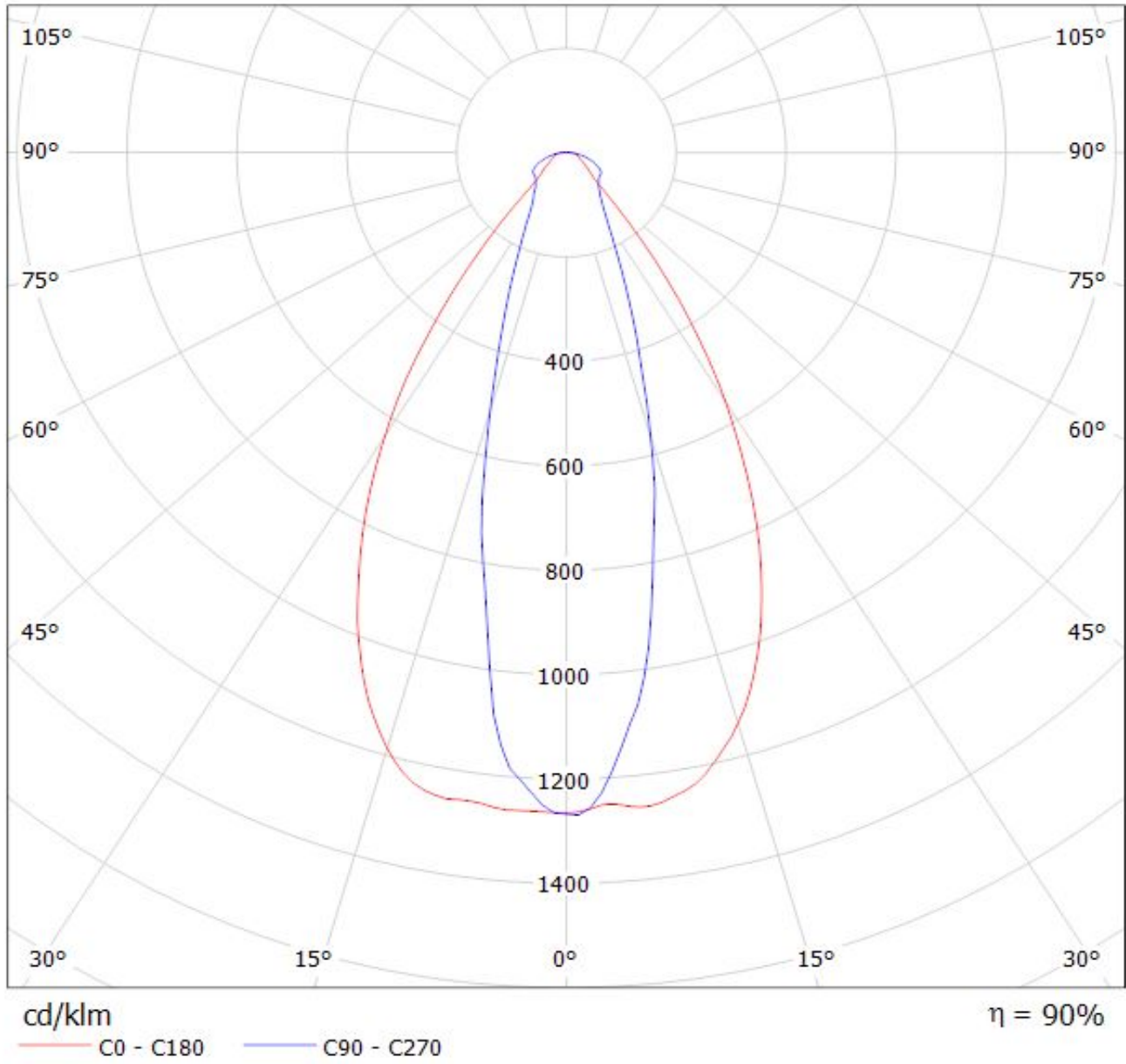
— C0 - C180

— C90 - C270

$\eta = 88\%$

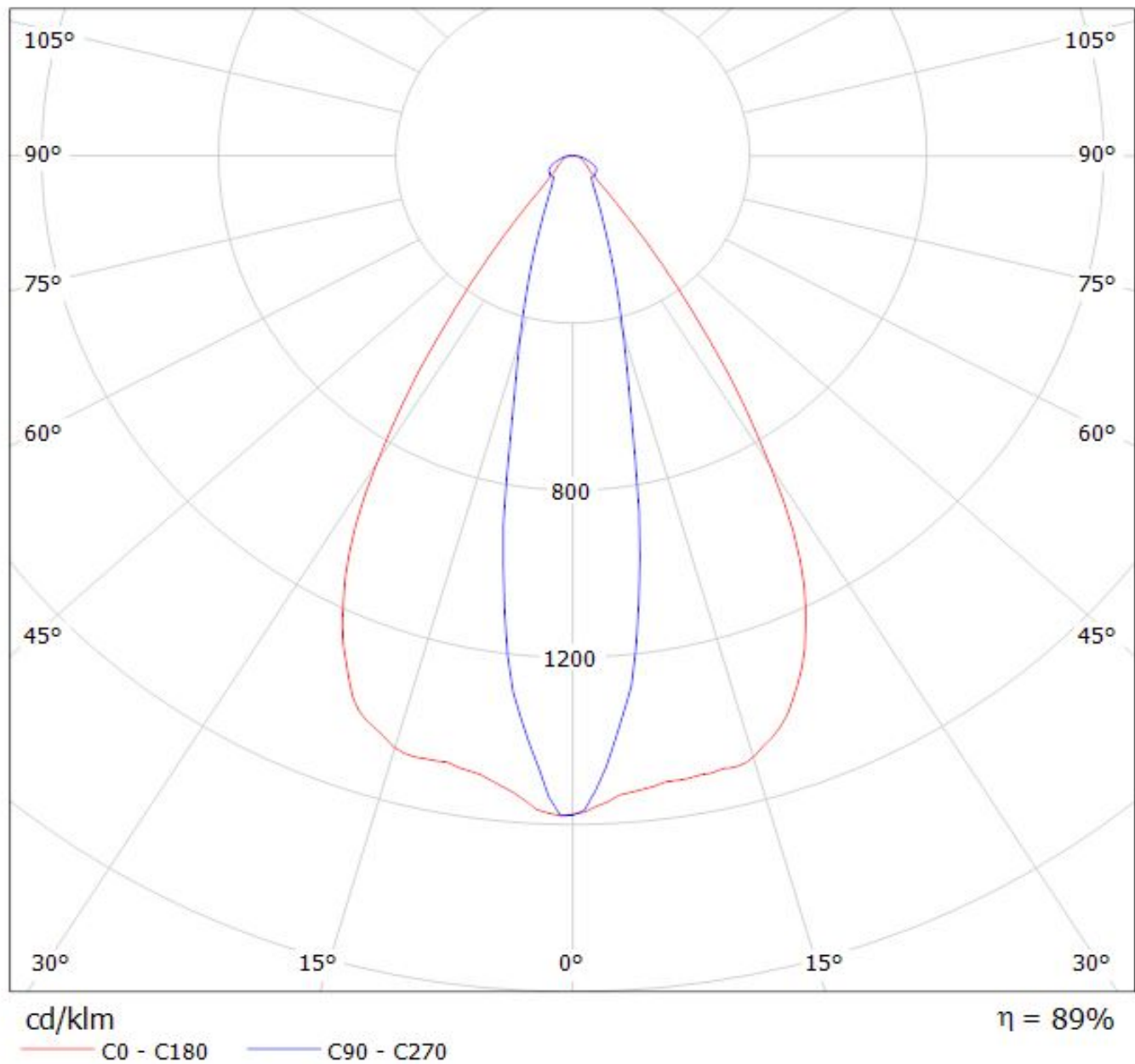
Luminaire: LEDiL Oy CN14811_WINNIE-O_(Soleriq_P13)

Lamps: 1 x Osram_Soleriq_P13_(GW_MAGMB1.EM)_897.7lm@250mA_CCT=3500K_P=8.72726W_I=0.2499A



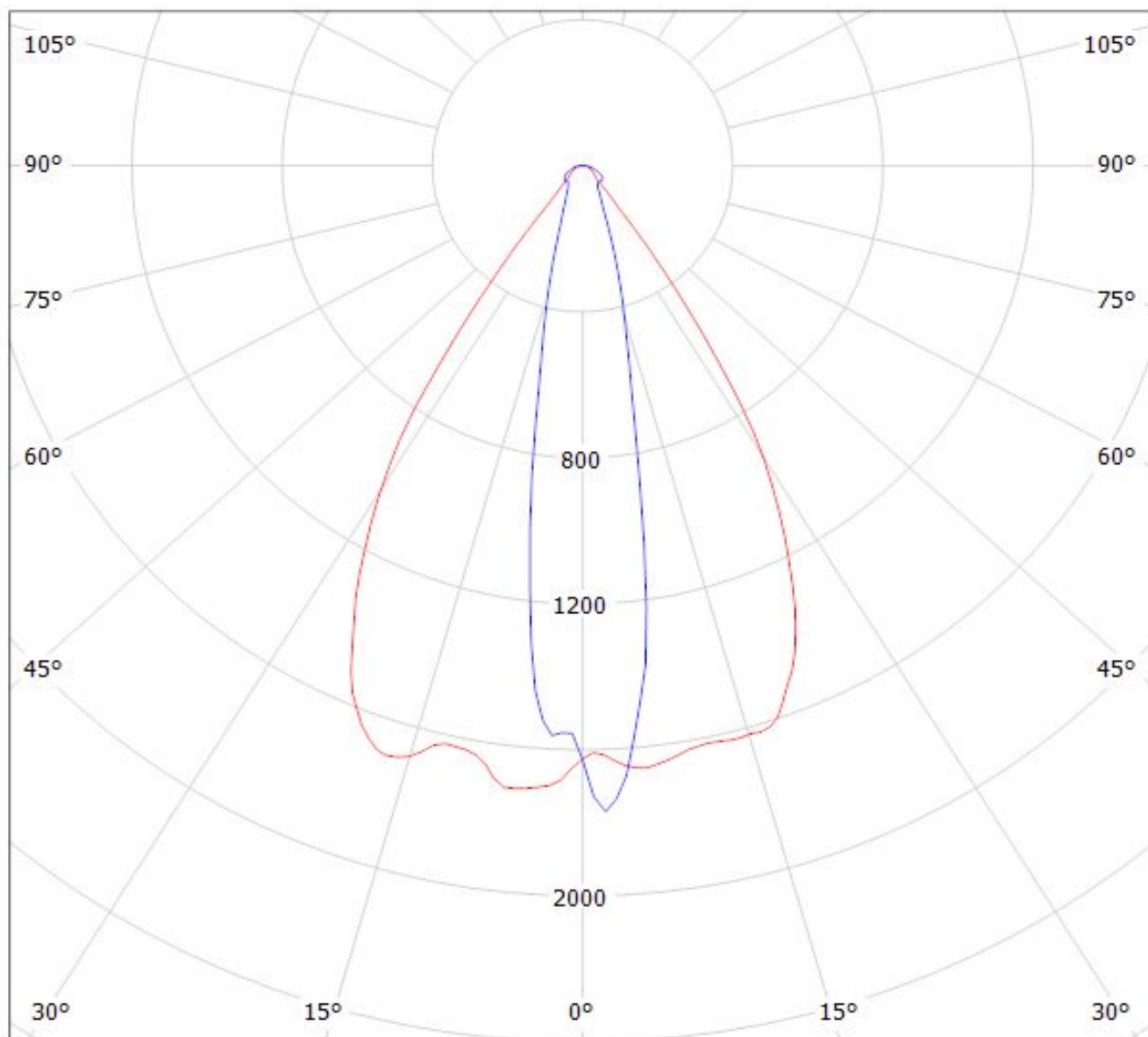
Luminaire: LEDiL Oy CN14811_WINNIE-O_(Soleriq_P9)

Lamps: 1 x Osram_Soleriq_P9_(GW_MAFJB1.EM)_877.72lm@250mA_P=6.84952W_I=0.2499A



Luminaire: LEDiL Oy CN14811_WINNIE-O_(Soleriq_P6)

Lamps: 1 x Osram_Soleriq_P6_(GW_MAEGB1.EM)_572.202lm@250mA_CCT=2842K_P=6.16606W_I=0.2499A



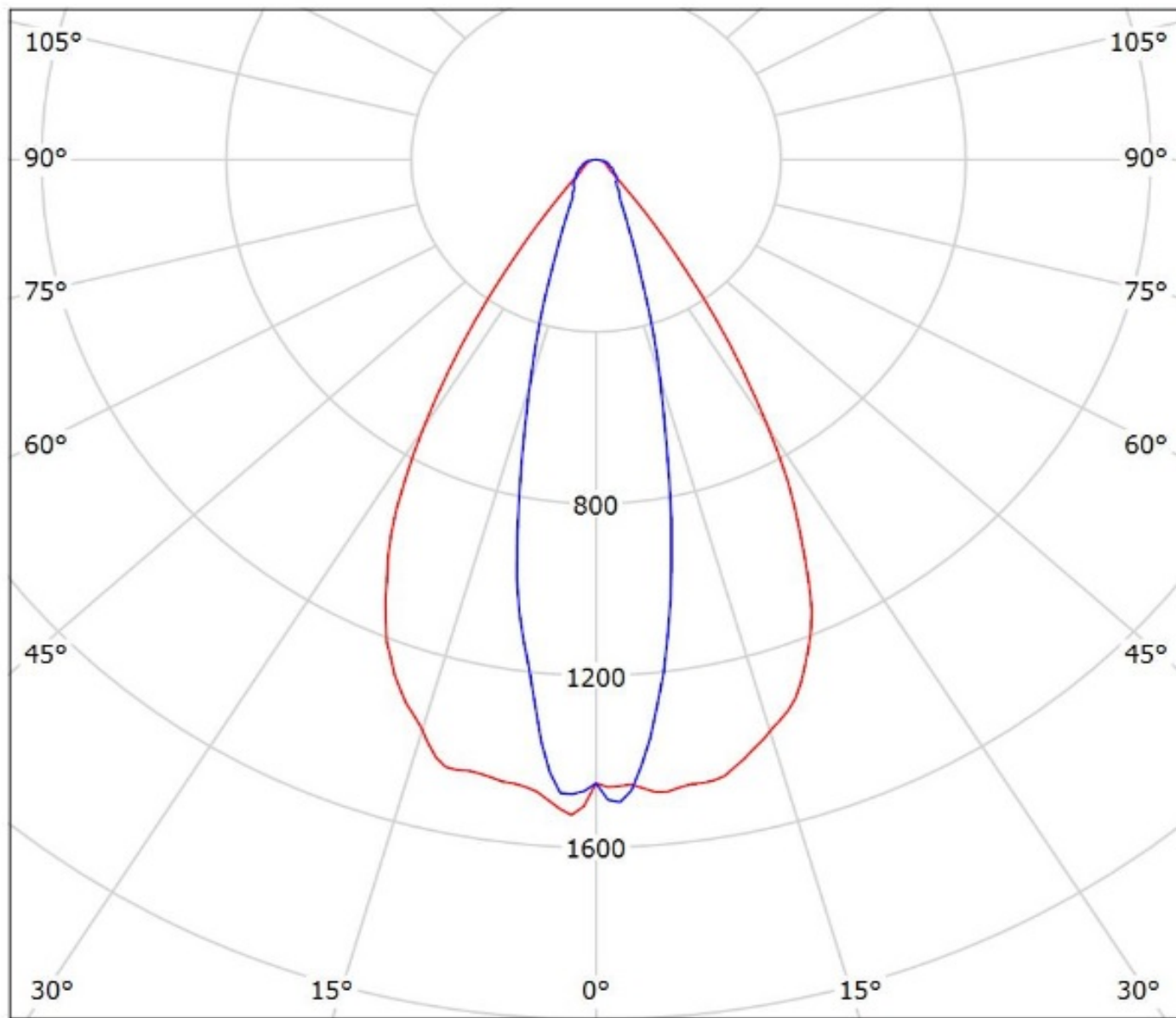
cd/klm

— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: Ledil Oy CN14811_WINNIE-O_(Soleriq_S9)_SIMULATED
Lamps: 1 x Osram Soleriq S9 (GW KAFJB3.EM)

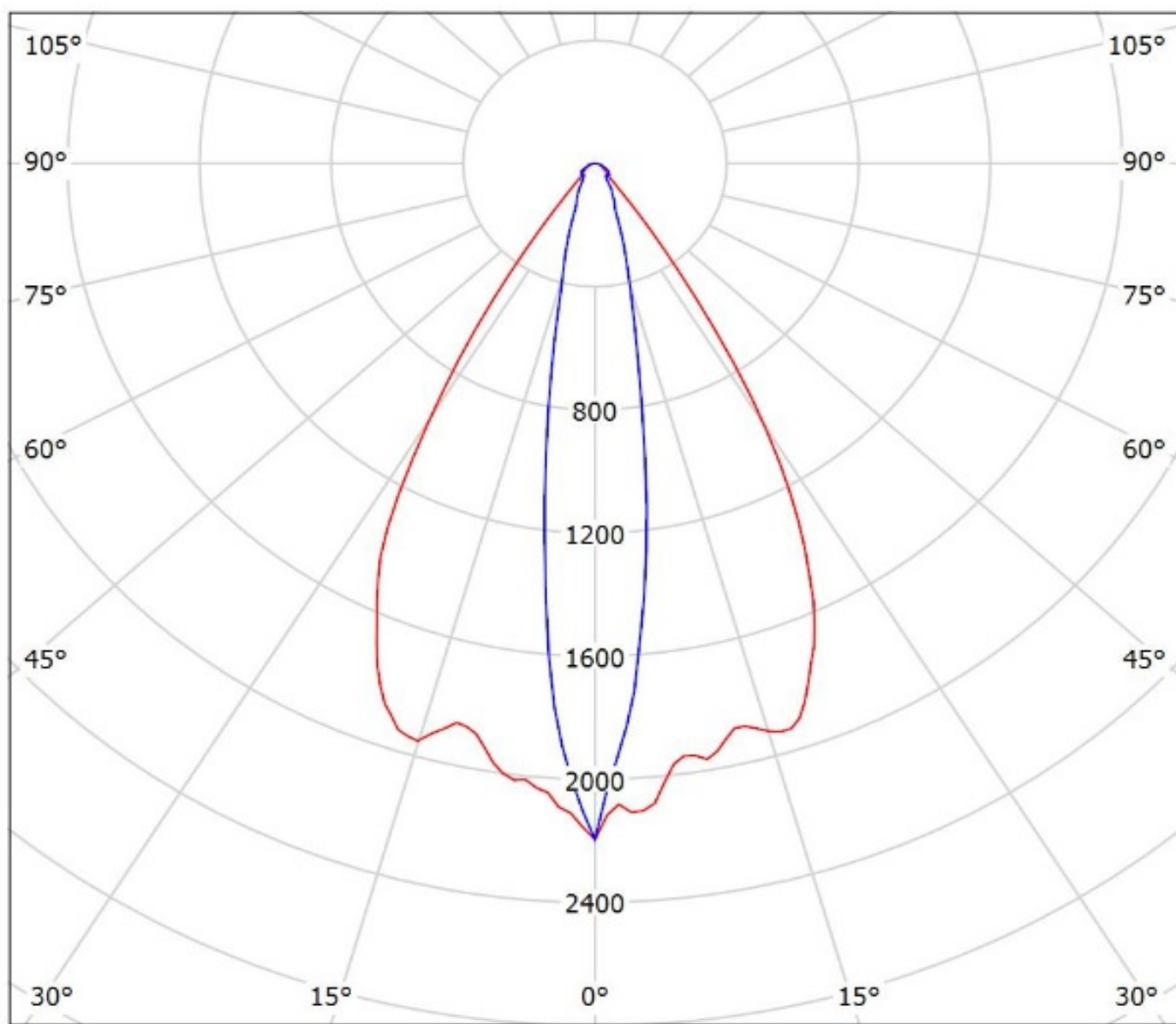


cd/klm

— C0 - C180 — C90 - C270

$\eta = 88\%$

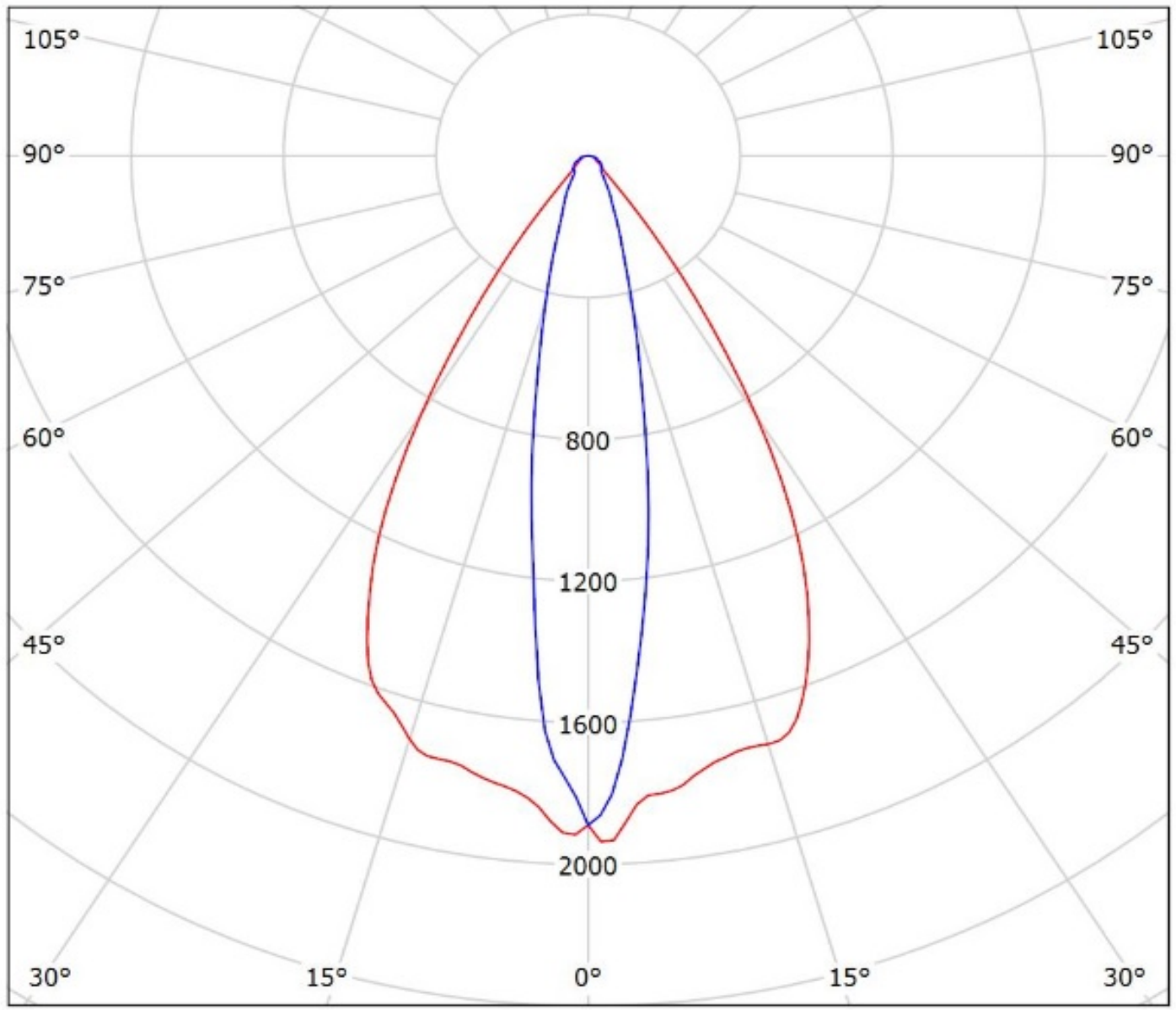
Luminaire: Ledil Oy CN14811_WINNIE-O_(LC010C)_ (479_Type_L5)_SIMULATED
Lamps: 1 x Samsung LC010C + Bender & Wirth 479 Type L5



cd/klm
— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: Ledil Oy CN14811_WINNIE-O_(LC020C)_(B+W_479_Typ_L5)_SIMULATED
Lamps: 1 x Samsung LC020C

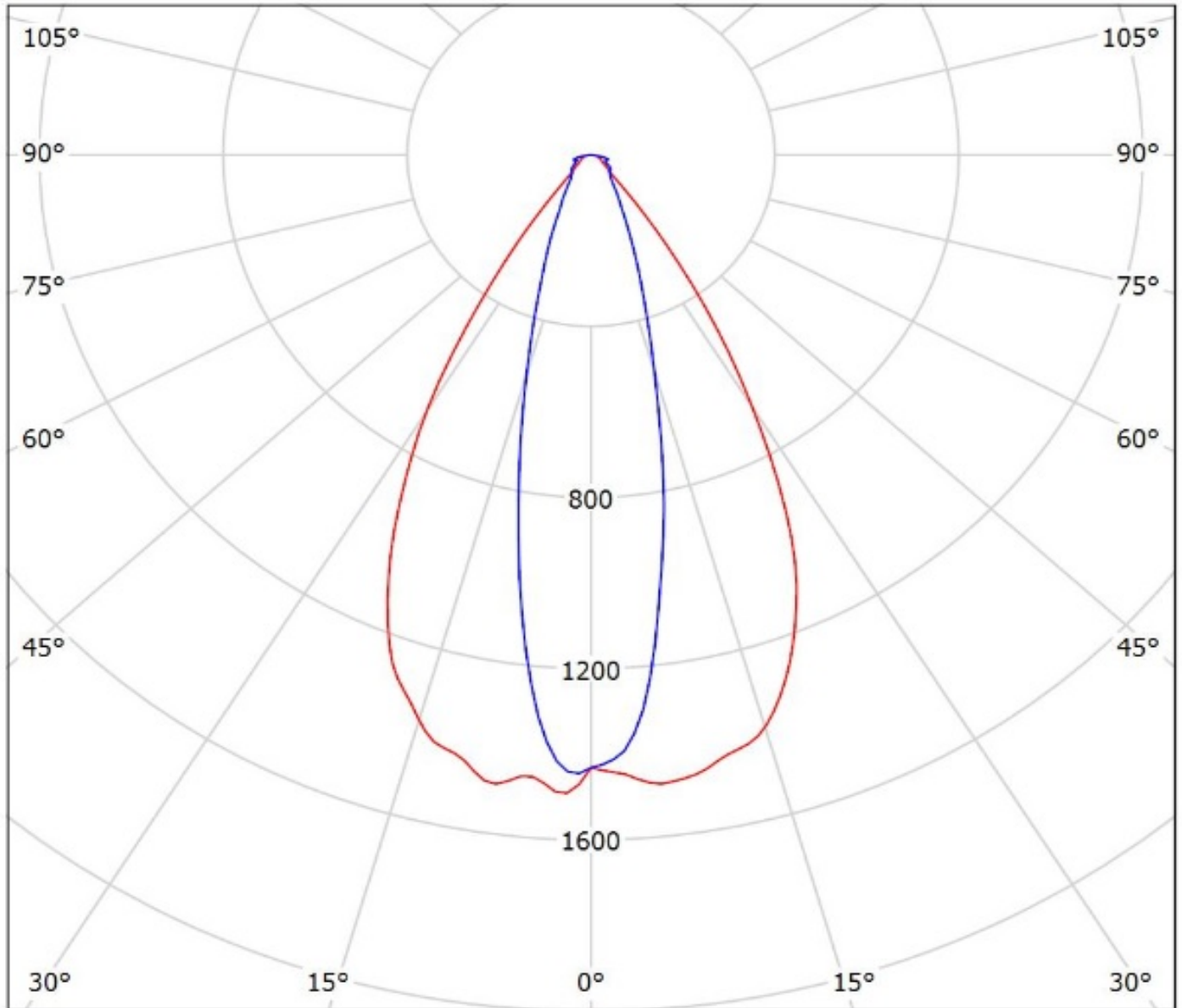


cd/klm

— C0 - C180 — C90 - C270

$\eta = 89\%$

Luminaire: Ledil Oy CN14811_WINNIE-O_(LC040C)_(B+W_479_Typ_L5)_SIMULATED
Lamps: 1 x Samsung LC040C



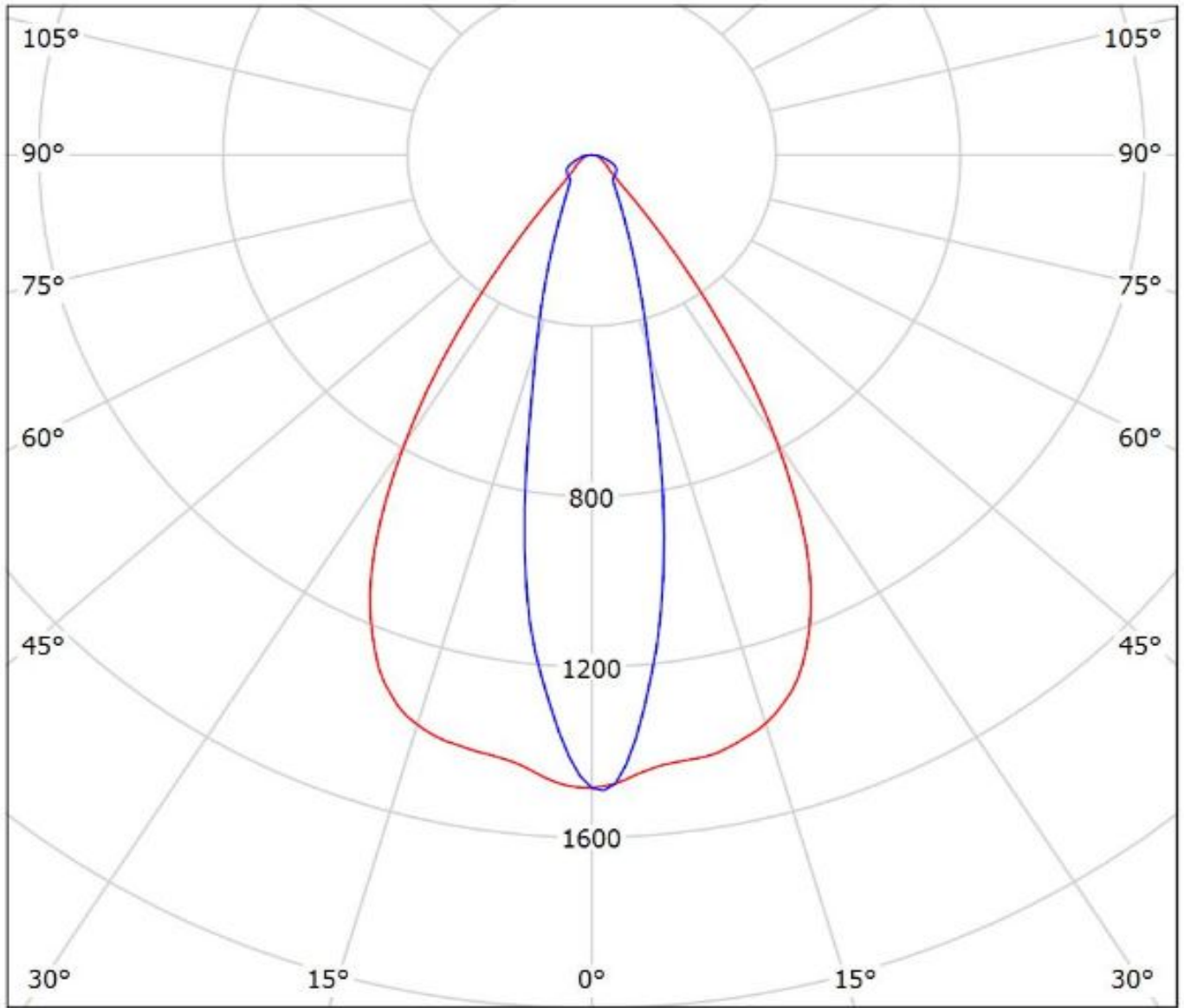
cd/klm

— C0 - C180 — C90 - C270

$\eta = 87\%$

Luminaire: LEDiL Oy CN14811_WINNIE-O_(COB_D_series_LES_9.8mm)

Lamps: 1 x Samsung_COB_D_series_LES_9.8mm_LC013D_551.044lm@100mA_P=3.2212W_I=0.100A



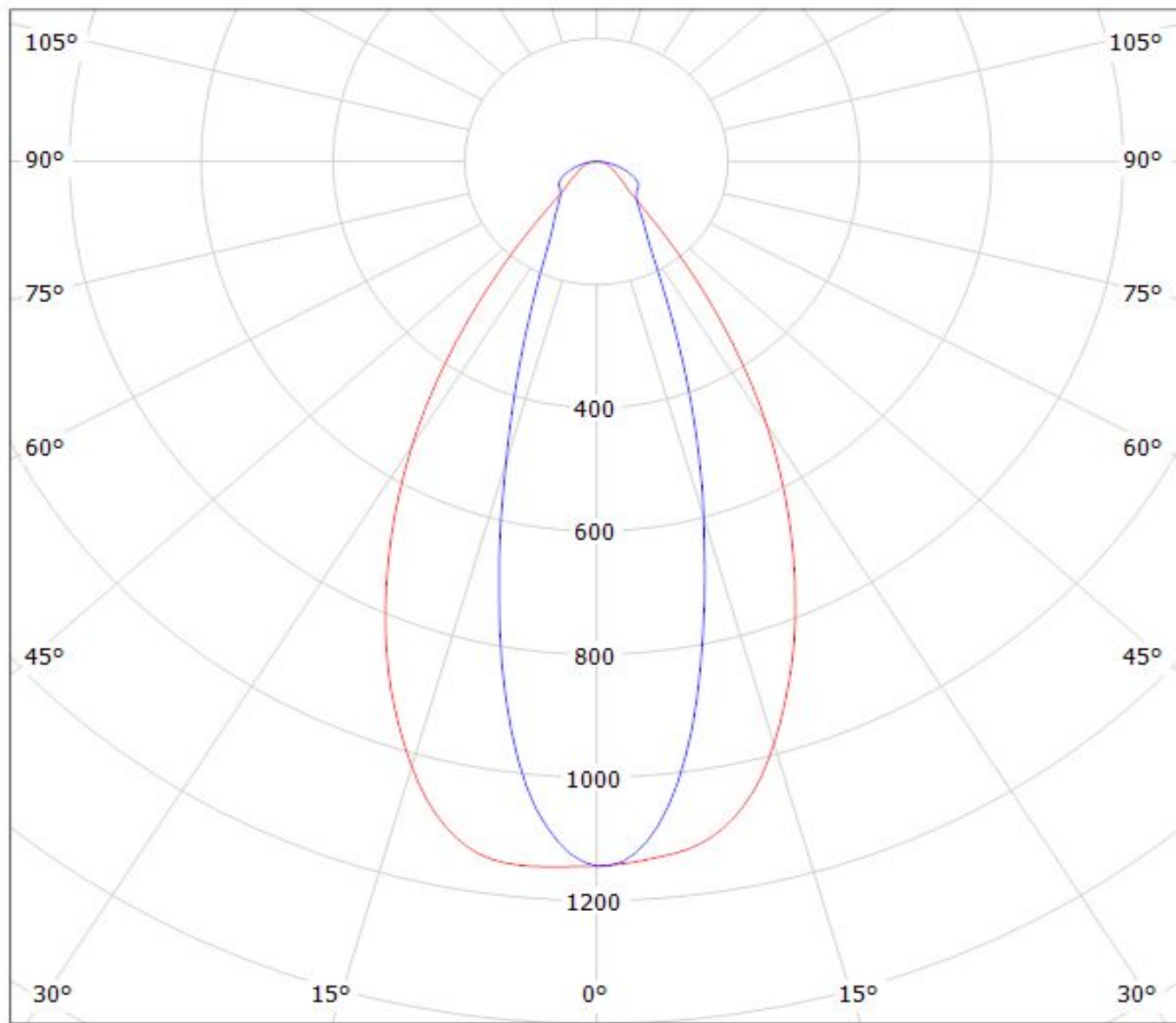
cd/klm

— C0 - C180 — C90 - C270

$\eta = 87\%$

Luminaire: LEDiL Oy CN14811_WINNIE-O_(COB_D_LES-14,5mm)

Lamps: 1 x Samsung_COB_D_Series-LES-14,5_LC026D_1272.15lm@250mA_P=8.07678W_I=0.250A



cd/klm

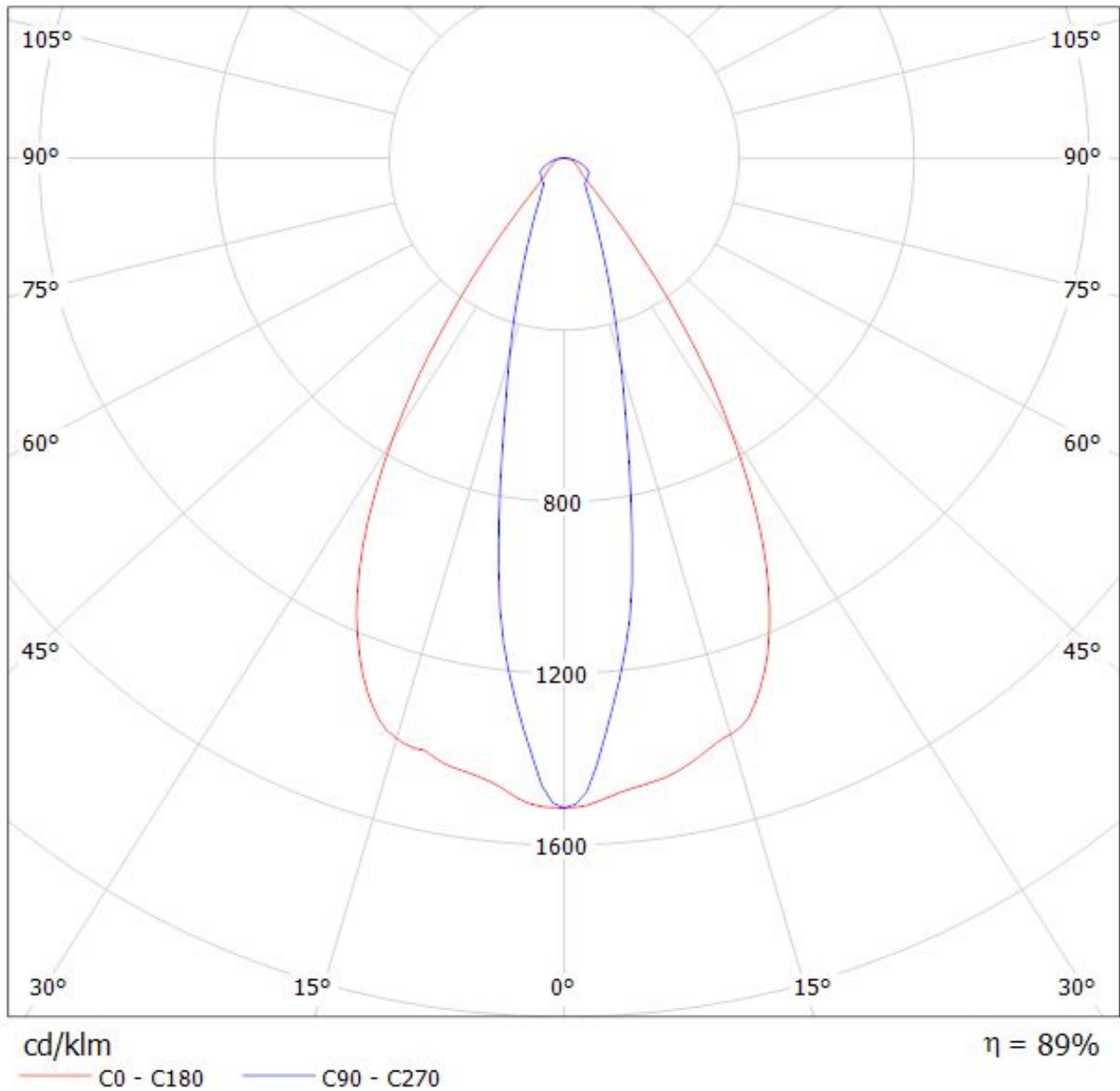
— C0 - C180

— C90 - C270

$\eta = 85\%$

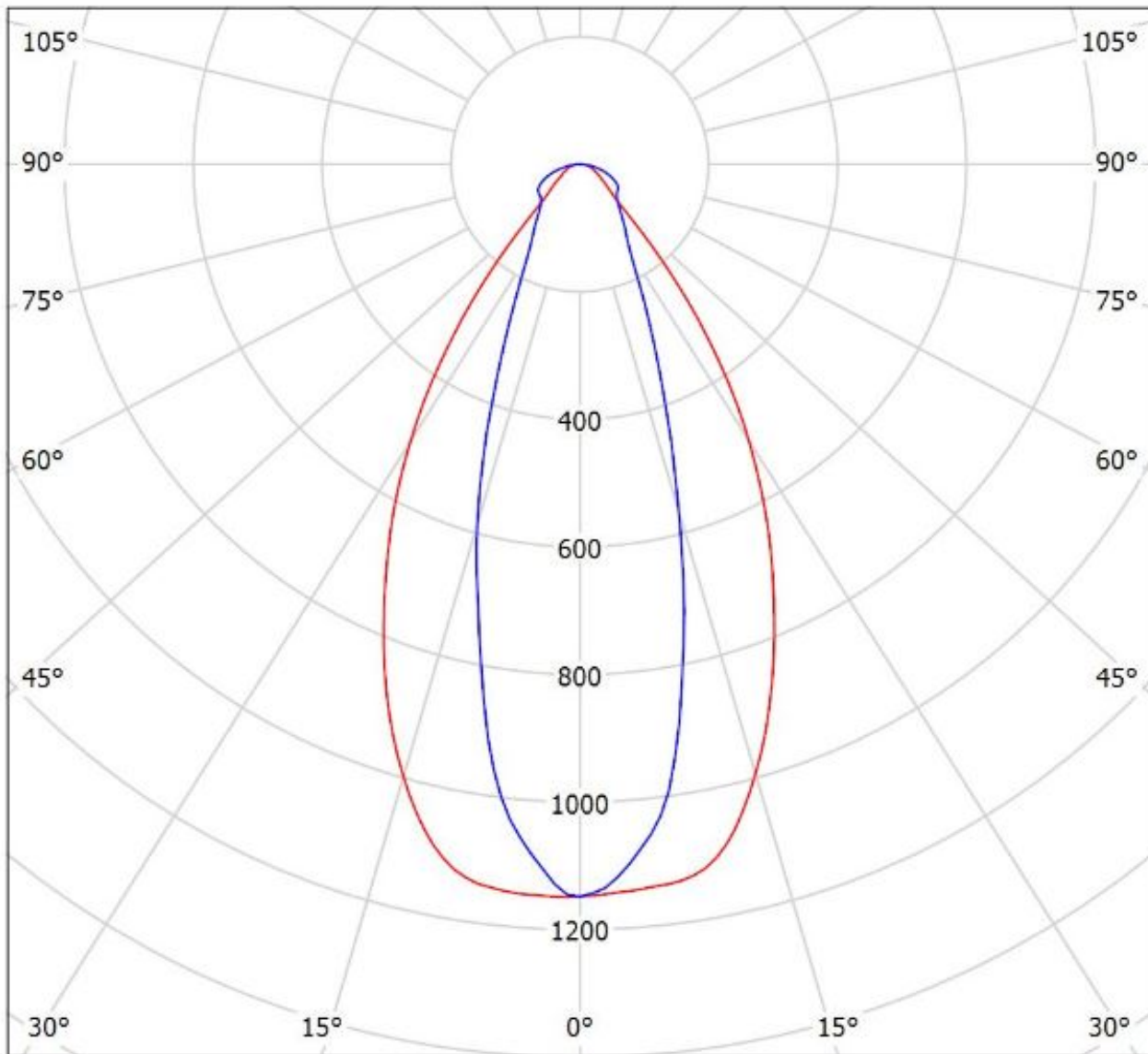
Luminaire: Ledil CN14811_WINNIE-O_(MJT_12W_Les9,8)

Lamps: 1 x Seoul_MJT_12W_Les9.8mm_(SAWx1063A)_1271.35lm@250mA_P=8.45475W_I=0.25A



Luminaire: Ledil CN14811_WINNIE-O_(MJT_30W_Les14,5)_+433_Typ_L5

Lamps: 1 x Seoul_MJT_30W_Les14,5mm_(SAWx1566A)_+433_Typ_L5_1352.83lm@250mA_P=8.2325W_I=0.25A



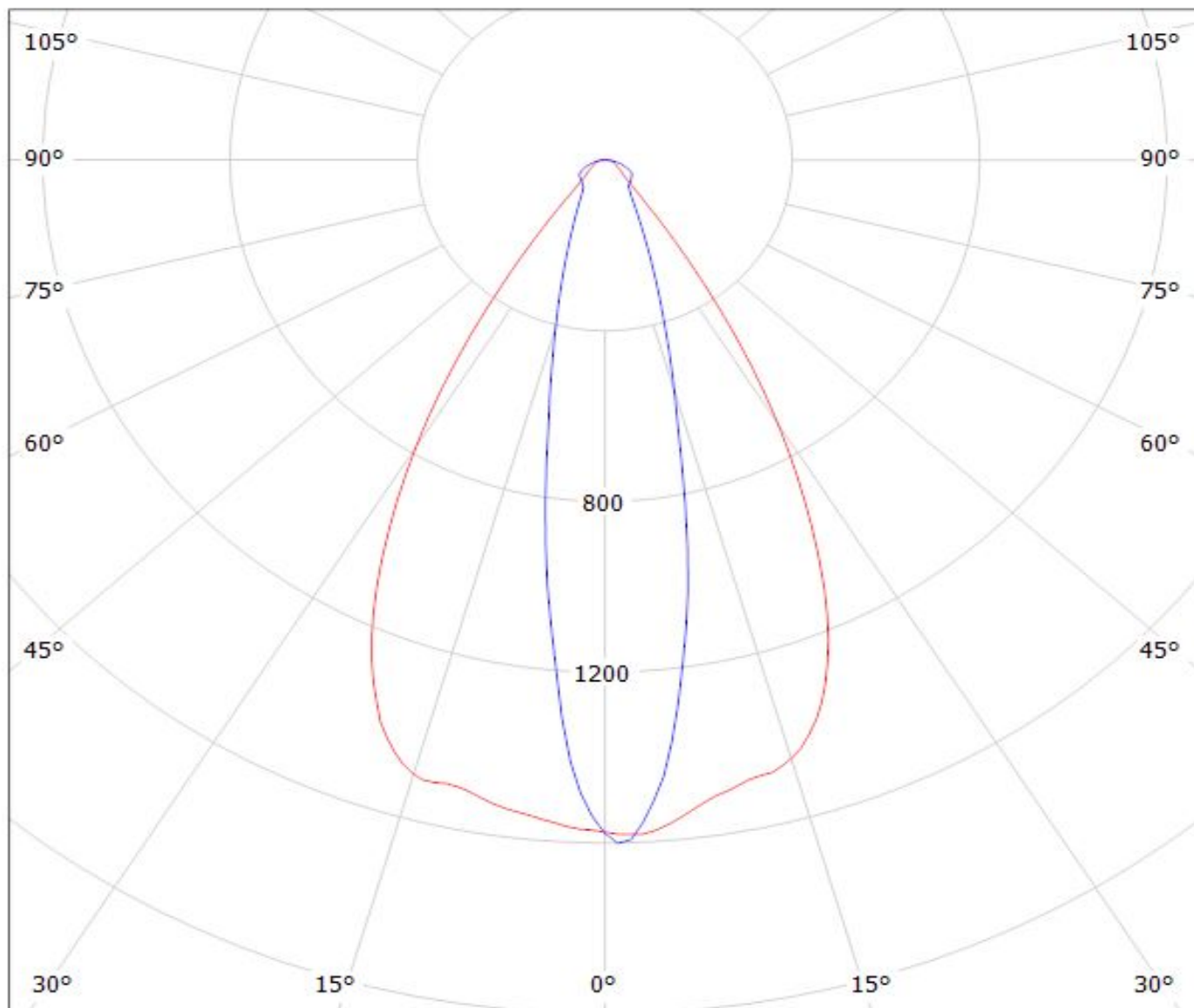
cd/klm

— C0 - C180 — C90 - C270

$\eta = 86\%$

Luminaire: LEDiL Oy CN14811_WINNIE-O_(SLE-G5_LES-11)

Lamps: 1 x Tridonic_SLE-G5_LES-15_1138.42lm@250mA_P=8.4110W_I=0.250A



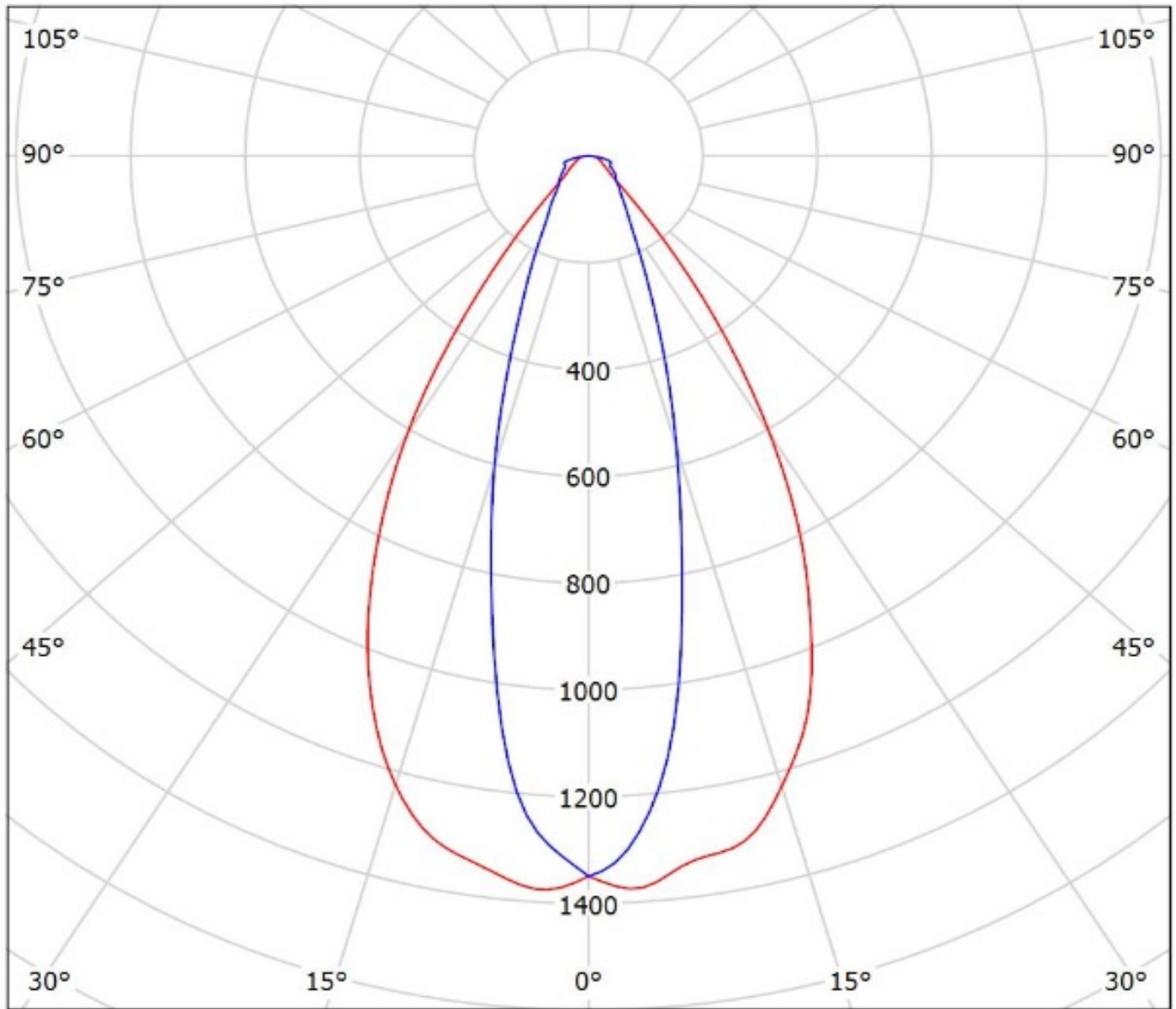
cd/klm

— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: Ledil Oy CN14811_WINNIE-O_(SLE_G6_LES15)_ (433_Typ_L5)_SIMULATED
Lamps: 1 x Tridonic SLE G5 LES15 + Bender & Wirth 433 Typ L5

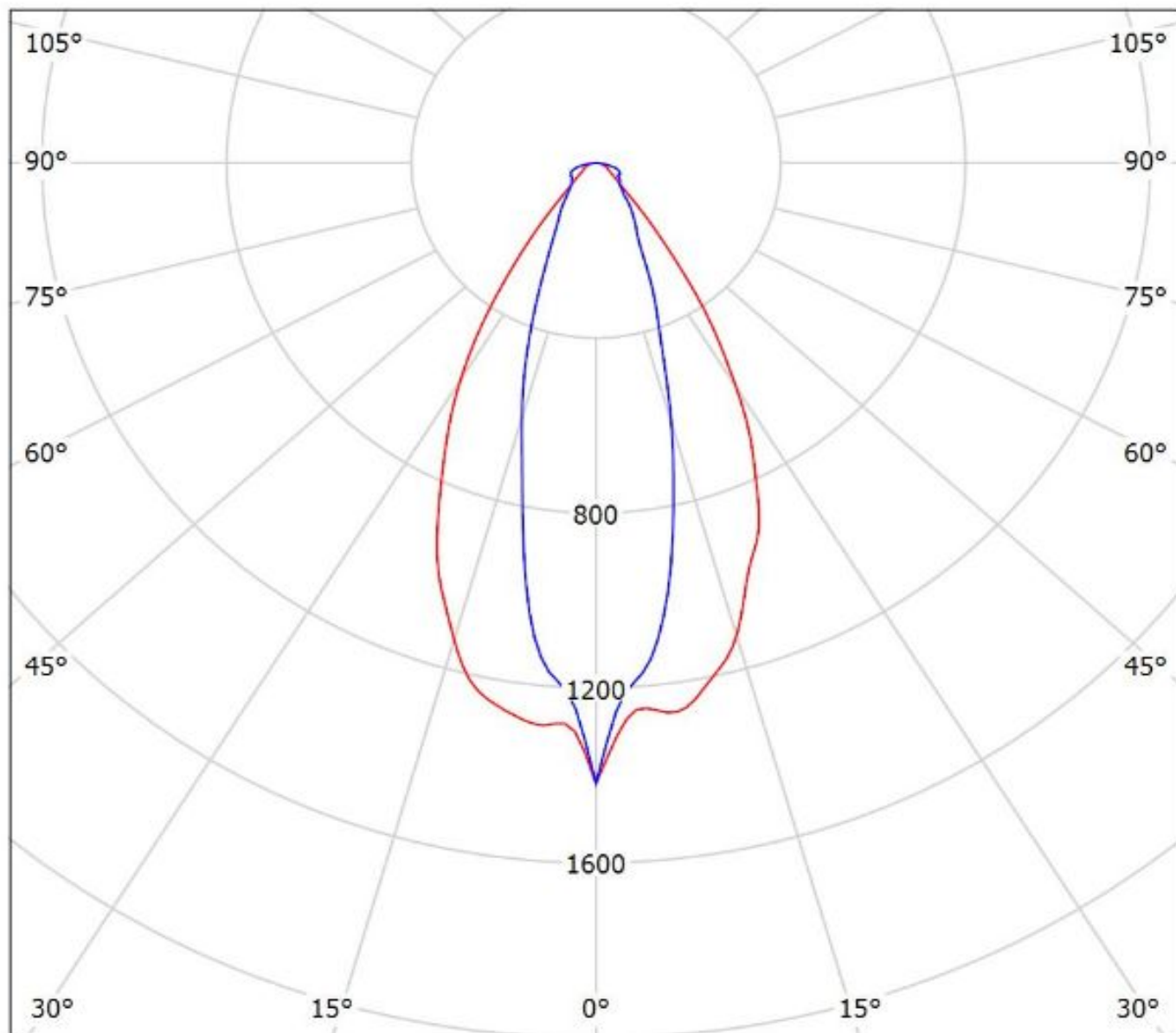


cd/klm

— C0 - C180 — C90 - C270

$\eta = 91\%$

Luminaire: Ledil Oy CN14811_WINNIE-O+_B+W_433_Typ_L5_TRIDONIC_SLE_G6_LES17_SIMULATED
Lamps: 1 x TRIDONIC SLE G6 LES17



cd/klm
— C0 - C180 — C90 - C270

$\eta = 92\%$

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.