



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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DETAILS

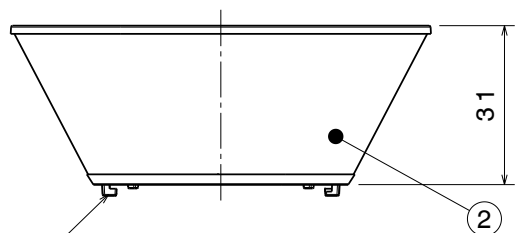
Product Number	FC13973_ANGELINA-RZ-S
Family	ANGELINA
Type	RefPack
Color	metal
Diameter	82 mm
Height	31 mm
Style	round
Optic Material	PC
Holder Material	
Fastening	screw, socket
Status	production ready
ROHS Compliant	Yes
Date Updated	13/03/2015



OPTICAL PROPERTIES

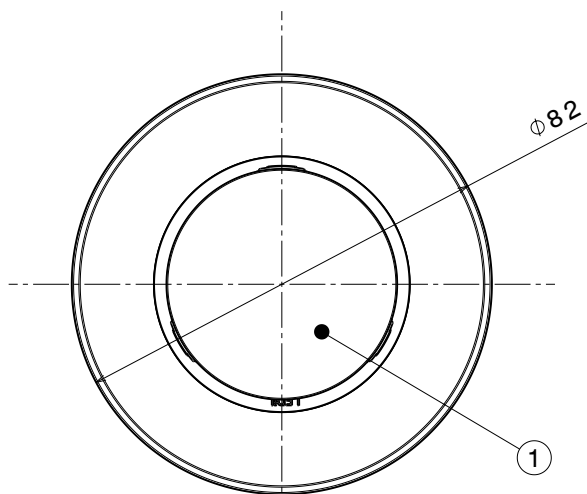
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
LUXEON K16	26 deg	Spot	89 %	1.800	TE: 2213134-2 + OPTIC CLIP Z50 TYPE1 2213194-1
LUXEON K12	25 deg	Spot	89 %	1.800	TE: 2213134-2 + OPTIC CLIP Z50 TYPE1 2213194-1
COB J-Type	24 deg	Spot	87 %	1.700	IDEAL: 50-2103NC + 50-2100AN
PrevaLED Core Z4 LES19	26 deg	Spot	88 %	1.600	TE: OPTIC CLIP Z50 TYPE1 2213194-1
Soleriq S19	27 deg	Spot	88 %	1.600	TE: 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1
Fortimo SLM G5 LES 15 Standard	27 deg	Spot	87 %	1.600	TE: OPTIC CLIP Z50 TYPE1 2213194-1
AC Zhaga COB	30 deg	Spot	88 %	1.400	Optosource: SEHSMJD-A
Mega Zenigata (GW6DME)	24 deg	Spot	89 %	1.900	TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1

Note: Fastening with connector,
see related Angela/Angelina datasheet



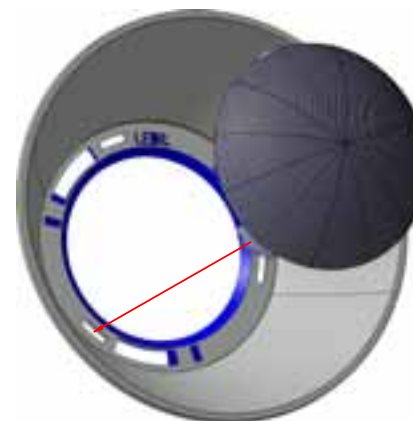
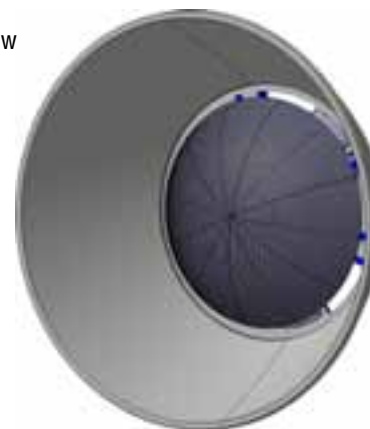
Front view

Hook only in B-models



Top view

Isometric view



Isometric Mounting view

This drawing applies to:	
FC13973_ANGELINA-RZ-S	
FC13975_ANGELINA-RZ-M	
FC13976_ANGELINA-RZ-W	
FC13981_ANGELINA-RZ-XW	
FC13977_ANGELINA-RZ-S-B	
FC13978_ANGELINA-RZ-M-B	
FC13979_ANGELINA-RZ-W-B	
FC13982_ANGELINA-RZ-XW-B	

INDEX	PART NO	DESCRIPTION	MATERIAL
1	F13671	ANGE-RZ-LENS	PC
2		all ANGELINA versions	PC

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
Control for SPC marked dimensions.



Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
Datasheet Angelina assembly

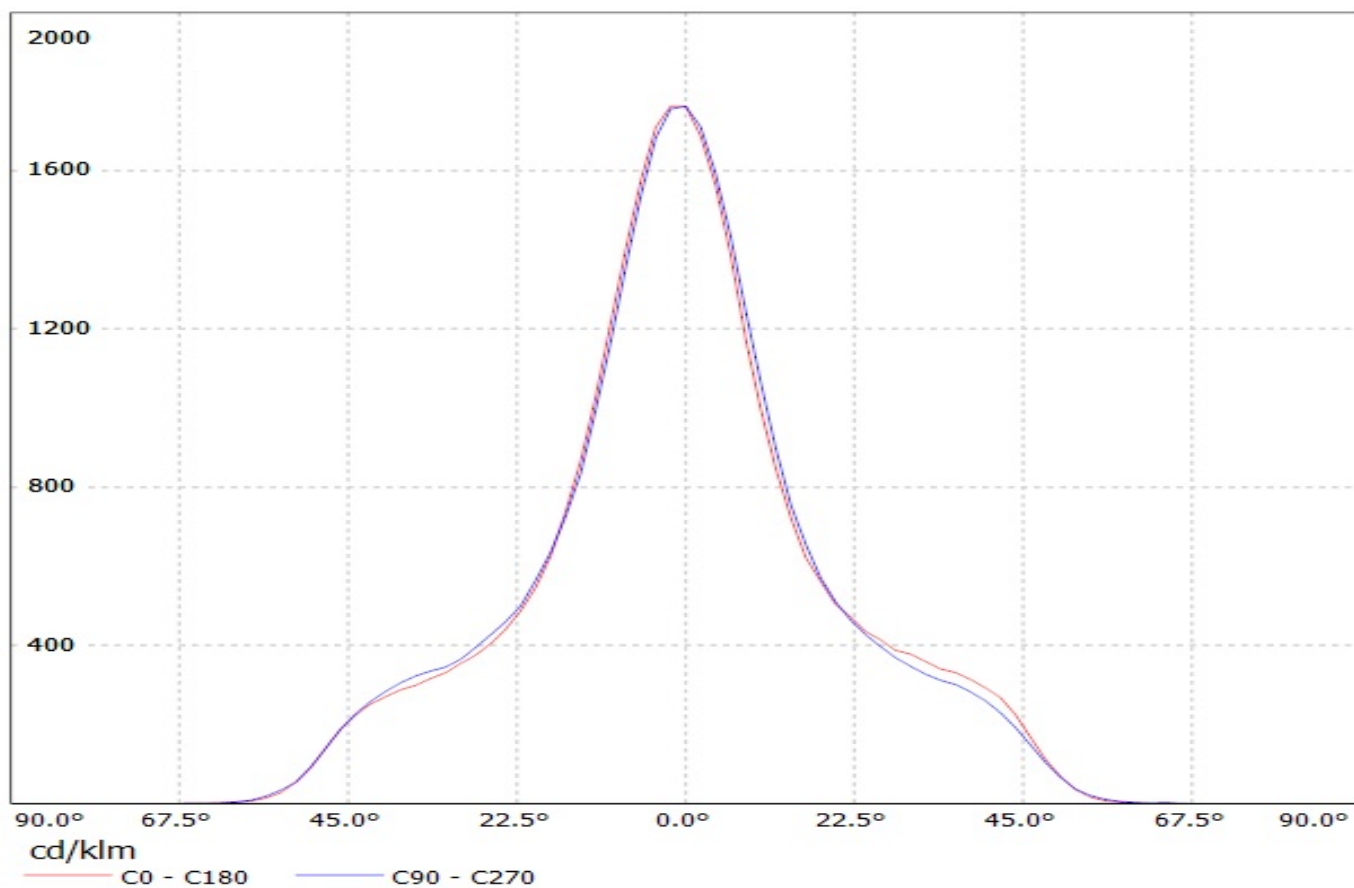
DRAWN BY joni.palm	DATE 23.9.2013
CHECKED BY -	DATE
DESIGNED BY -	DATE

SIZE A3	PART NUMBER	REV 001
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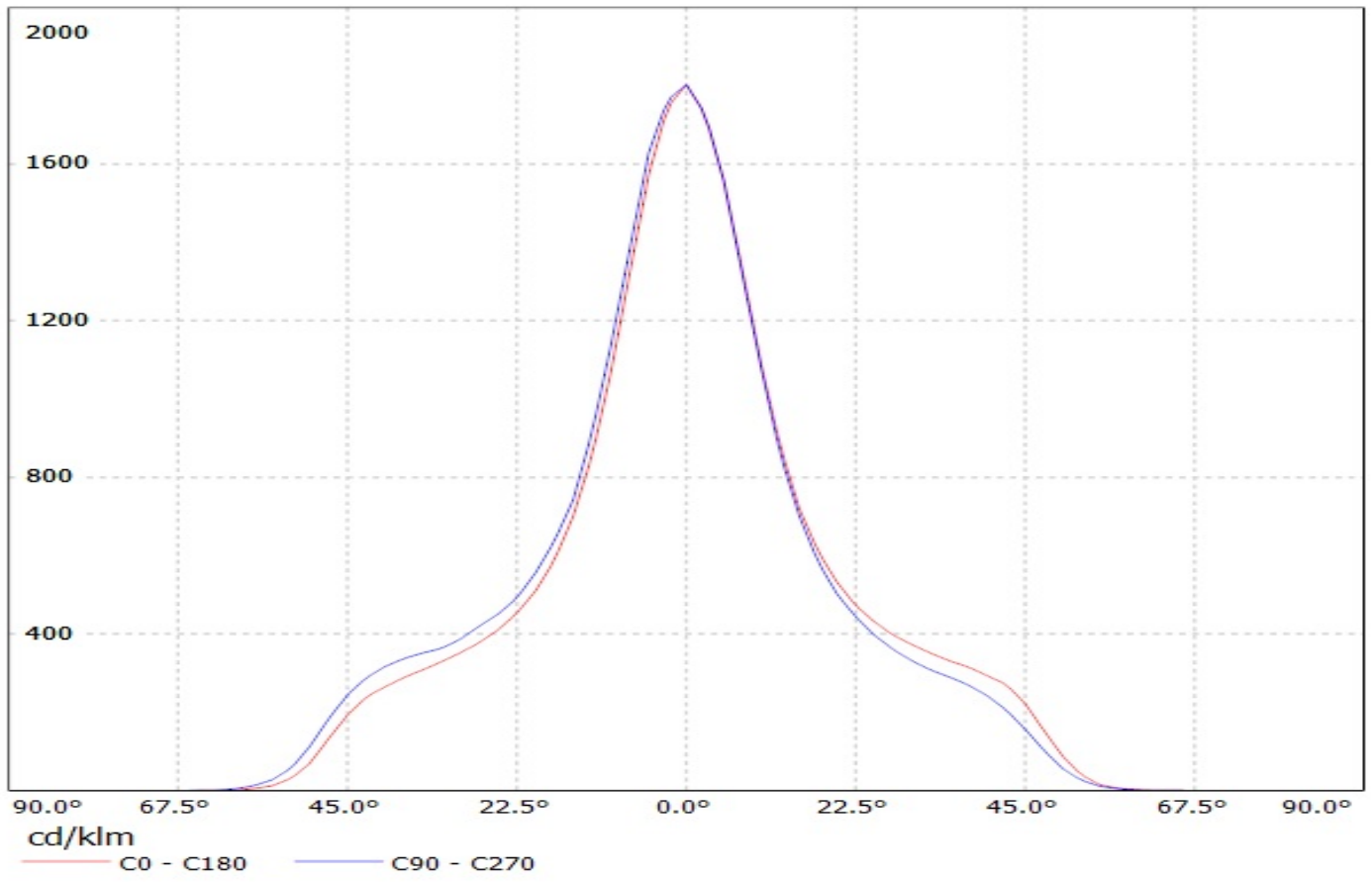
LEDiL PROPRIETARY This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.

SCALE 1:1	WEIGHT (g)	SHEET 1/1
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Luminaire: LEDil Oy FC13973_ANGELINA-RZ-S_(Luxeon_K16) Efficiency=89%
Lamps: 1 x Luxeon K16 (LXK8-PW40-0016) 1200lm @ 250mA CCT=4000K P=10.9W I=250mA

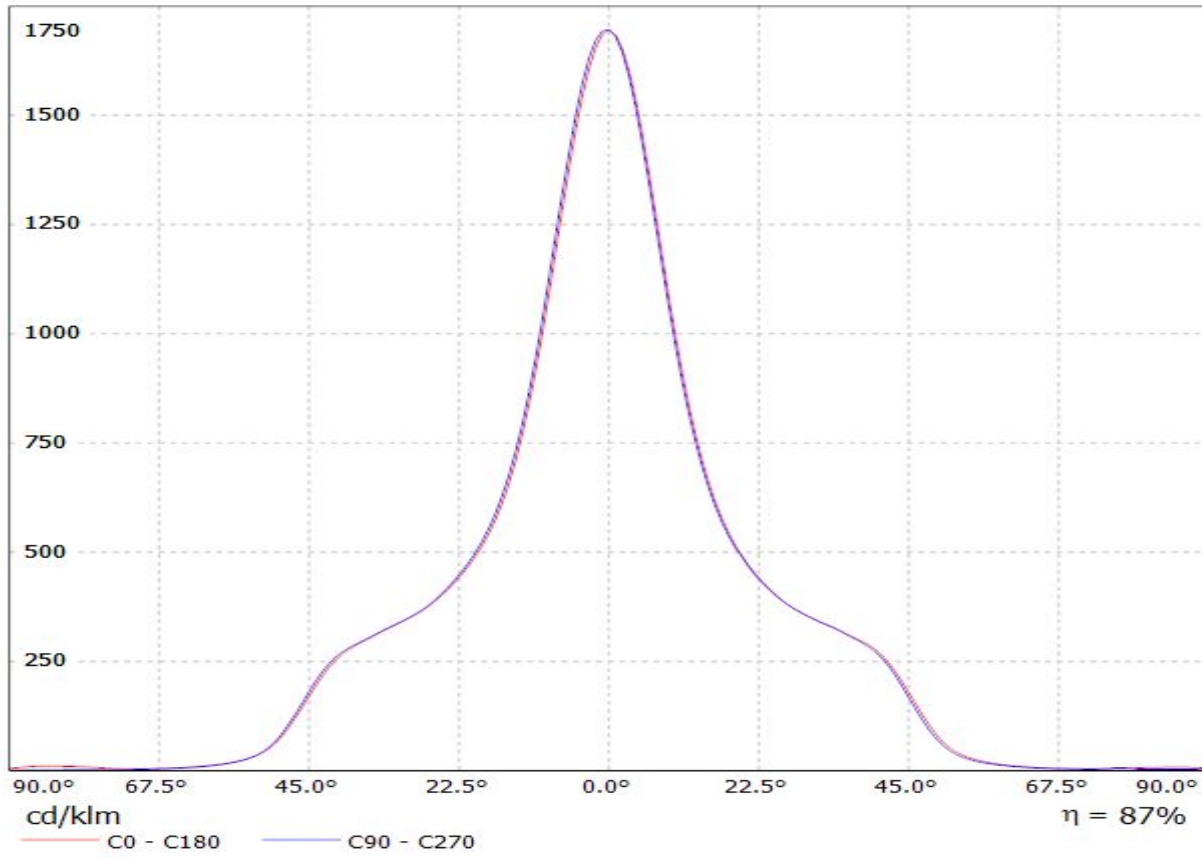


Luminaire: LEDil Oy FC13973_ANGELINA-RZ-S_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930lm @ 250mA CCT=4000K P=8.2W I=250mA

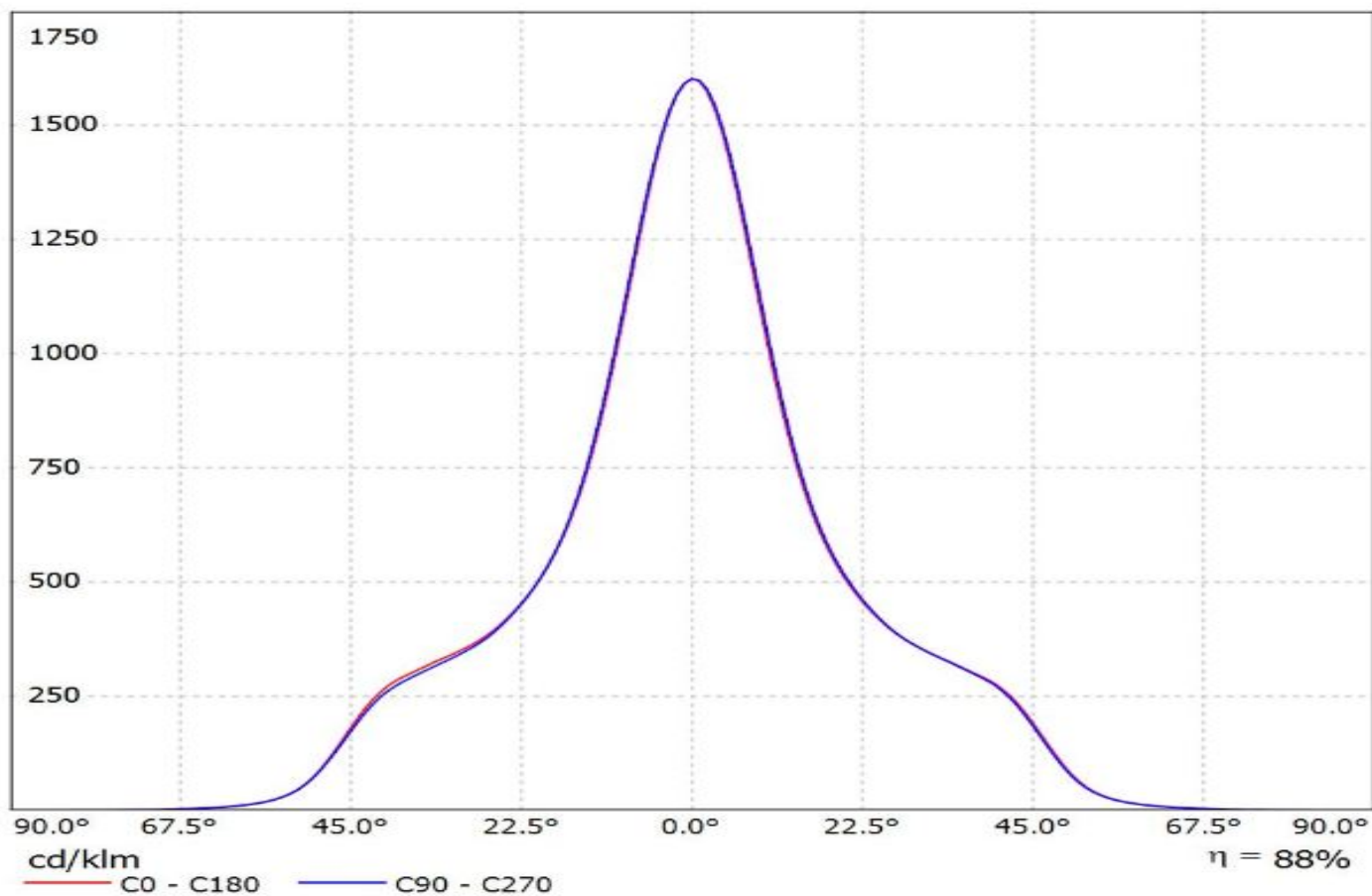


Luminaire: LEDiL Oy FC13973_ANGELINA-RZ-S_(NFDLJ130B+IDEAL)

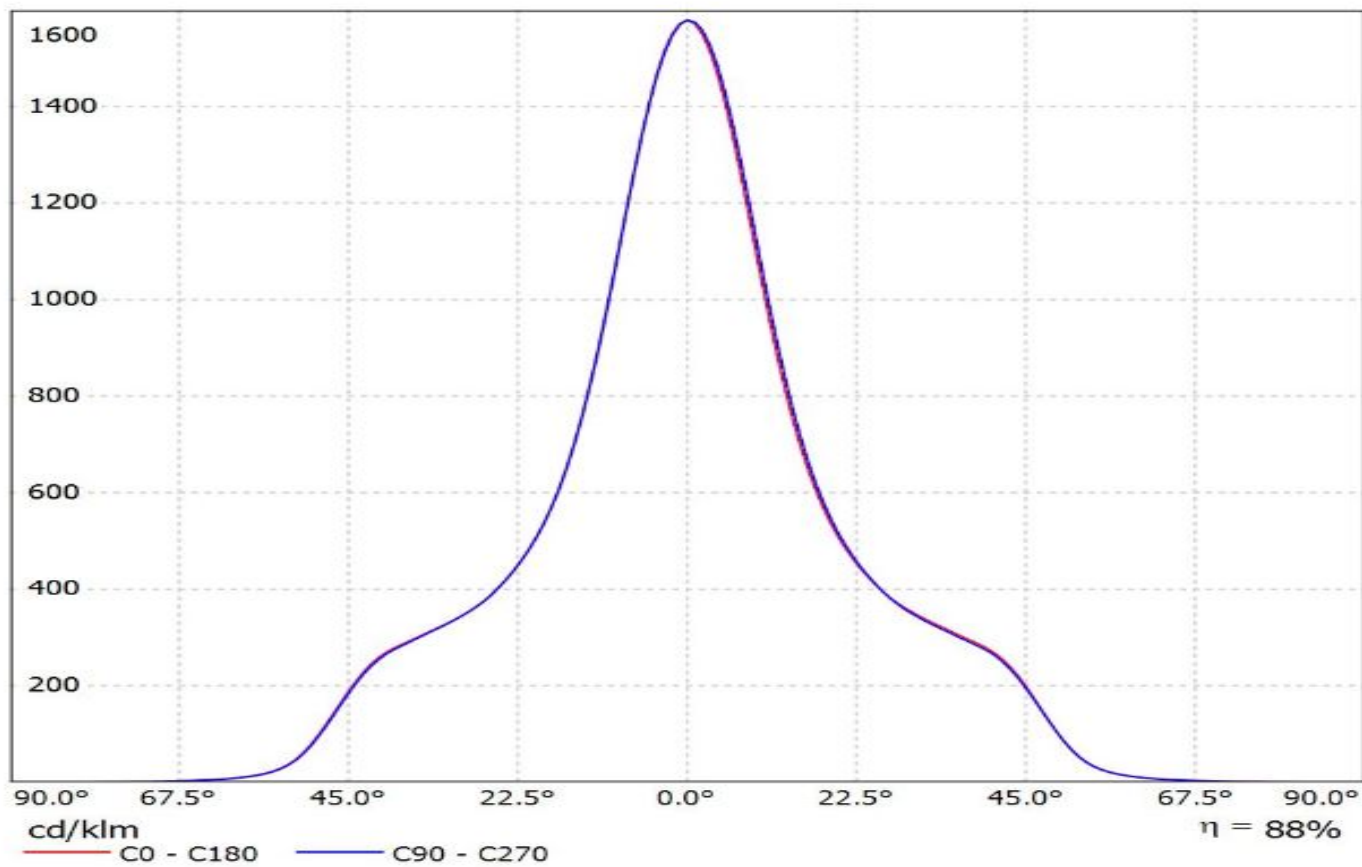
Lamps: 1 x Nichia_NFDLJ130B_+50-2103NC_+50-2100AN_1422.52lm@250mA_CCT=4000K_P=8.91686W_I=0.25A



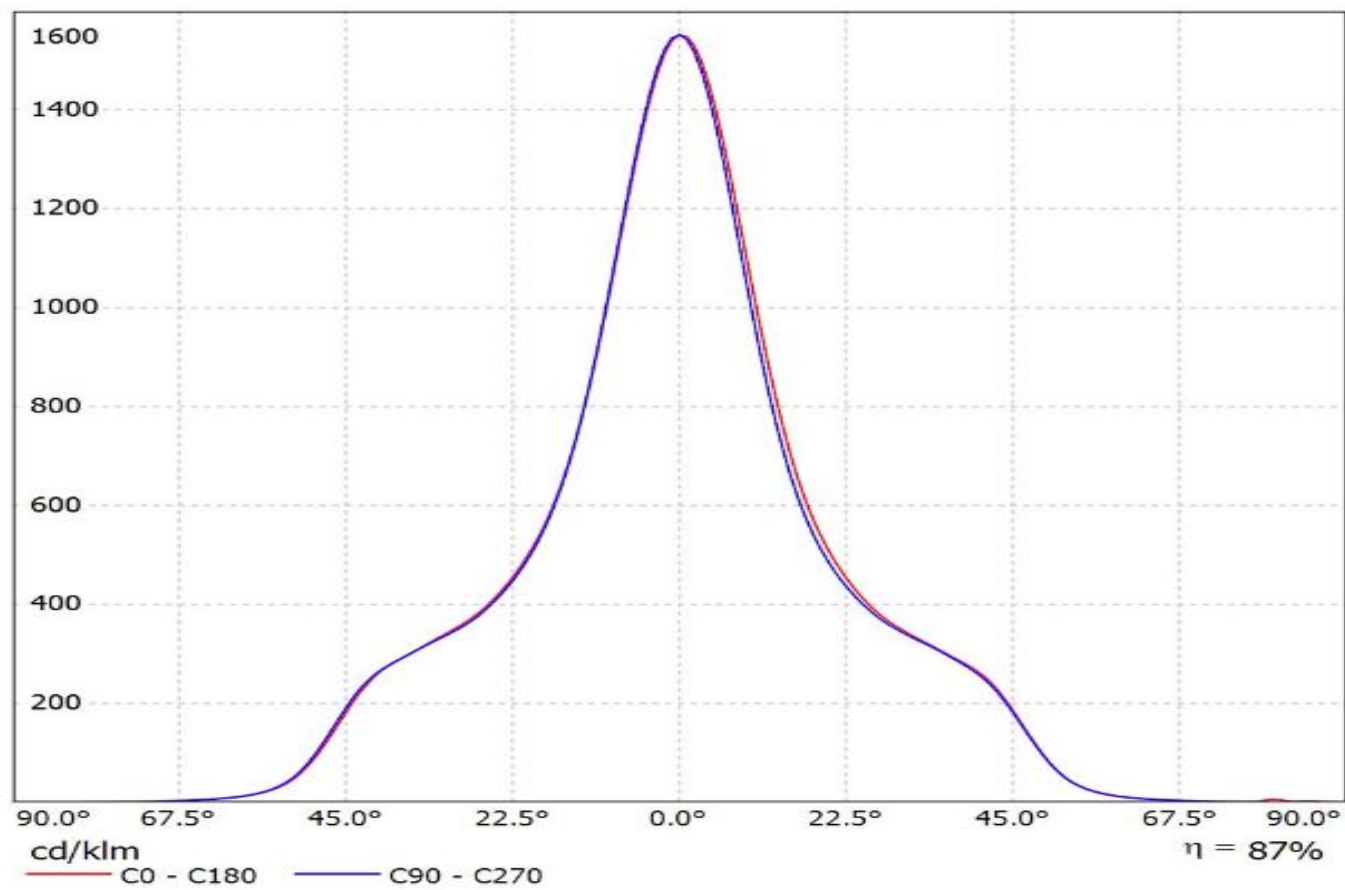
Luminaire: Ledil FC13973_ANGELINA-RZ-S_(PREVALED_Core_Z4)
Lamps: 1 x PREVALED_Core_Z4_LES19_1470.62lm@250mA_P=10.828W_I=0.25A



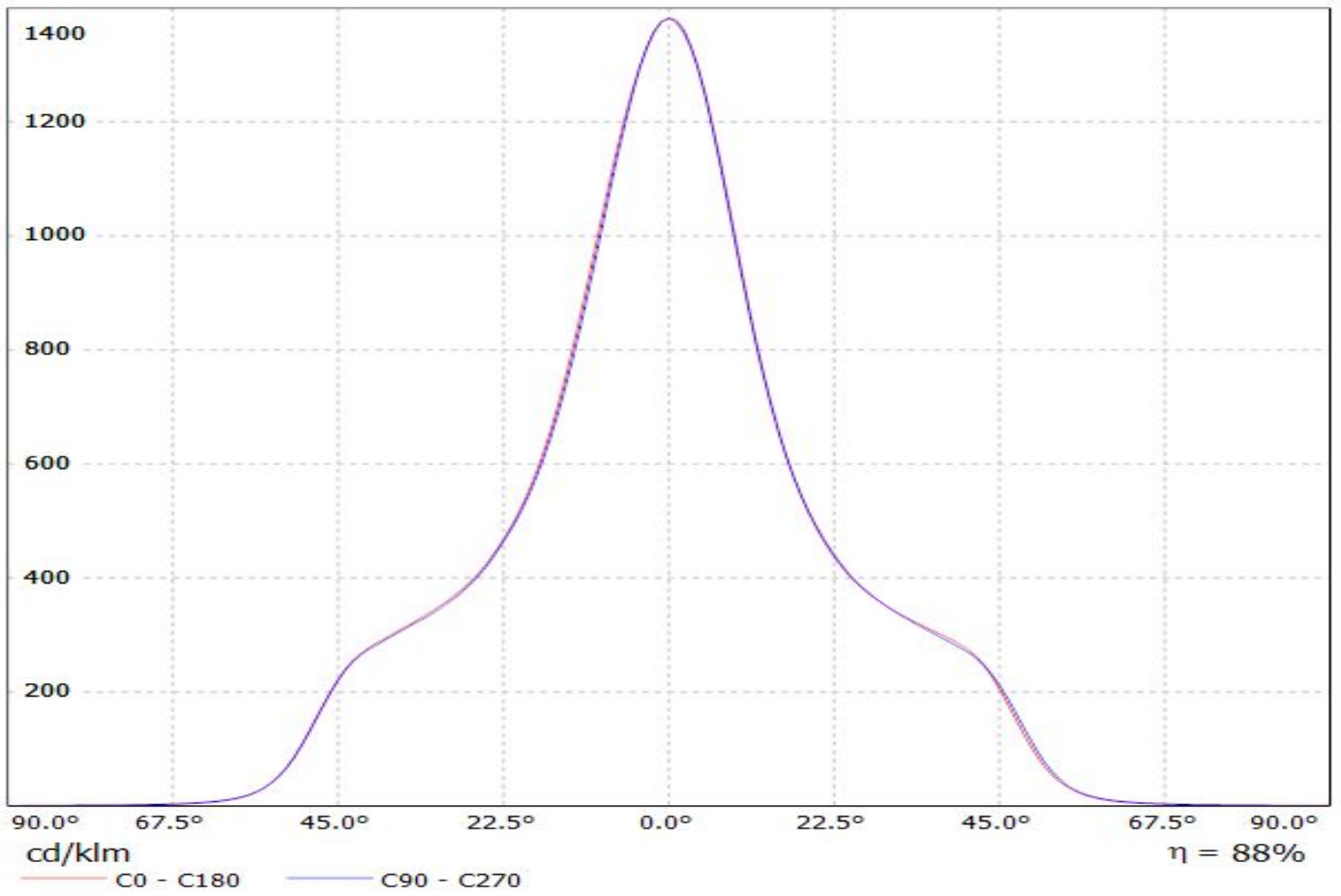
Luminaire: Ledil FC13973_ANGELINA-RZ-S_(S19+TE)
Lamps: 1 x Osram_Soleroq_S19_(GW_KAHJB1.EM)_+2213407-2+2213194-
1_1546.1lm@250mA_CCT=3000K_P=11.021W_I=0.25A



Luminaire: Ledil FC13973_ANGELINA-RZ-S_(SLM_G5_LES_15_+TE)
Lamps: 1 x Philips_SLM_G5_LES_15_+TE_2213194-1_1277.72lm@250mA_P=8.208W_I=0.25A

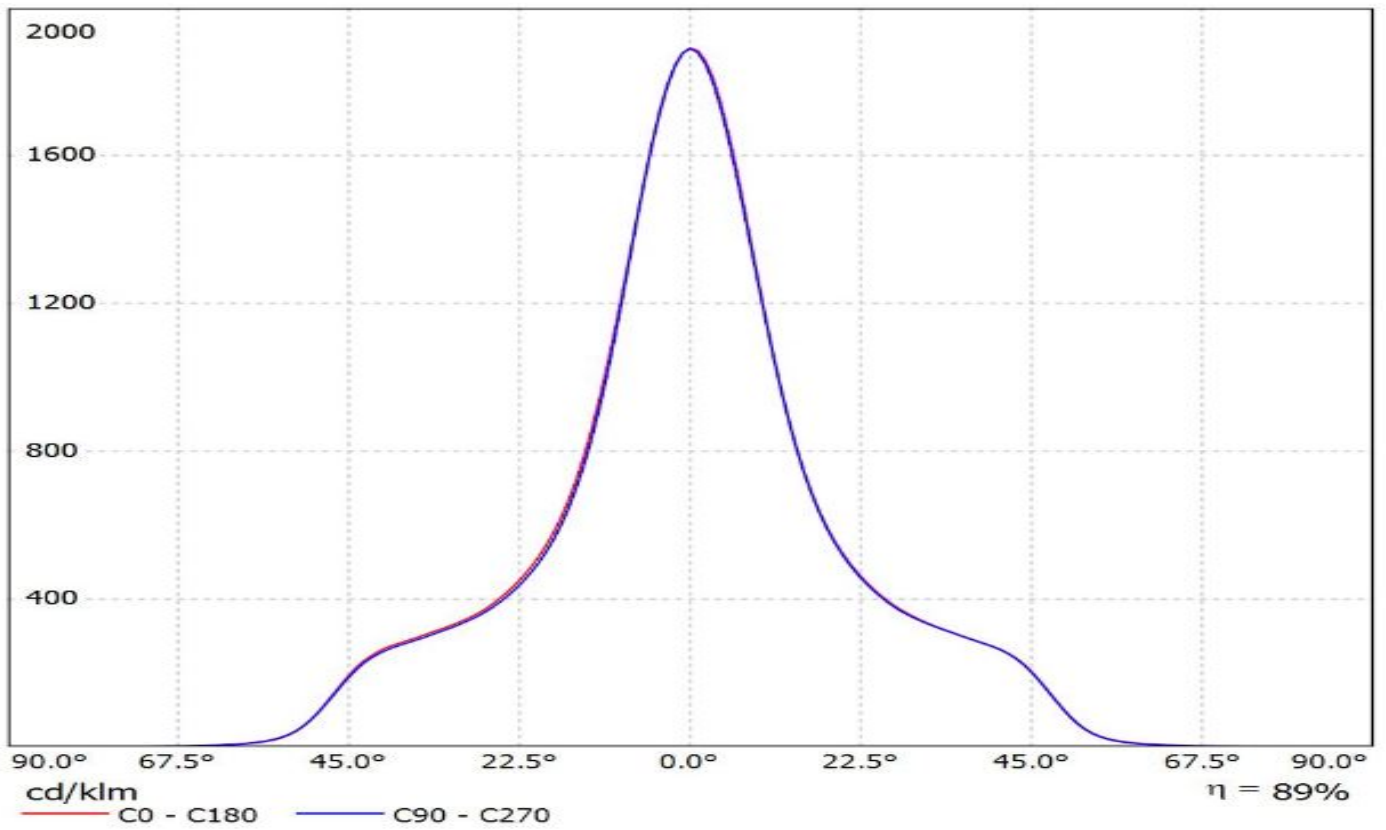


Luminaire: Ledil FC13973_ANGELINA-RZ-S_(SEOUL_AC_Zhaga_COB)
Lamps: 1 x SEOUL_AC_Zhaga_COB

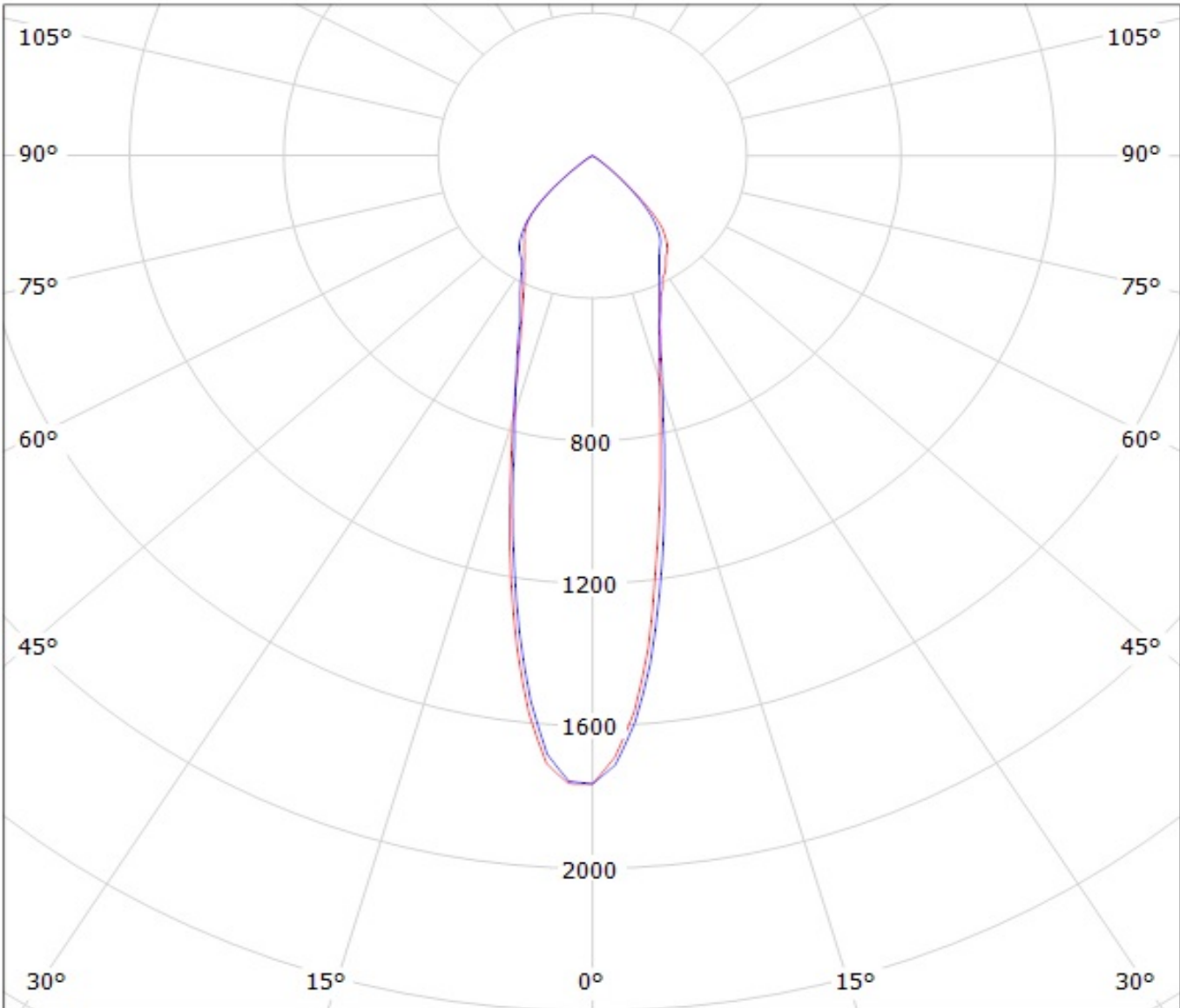


Ledil FC13973_ANGELINA-RZ-S_(MEZ_GW6) / LDC (Linear)

Luminaire: Ledil FC13973_ANGELINA-RZ-S_(MEZ_GW6)
Lamps: 1 x SHARP_Megazenigata_(GW6DME30NFC)
_1261.85lm@250mA_CCT=3038K_P=11.172W_I=0.25A

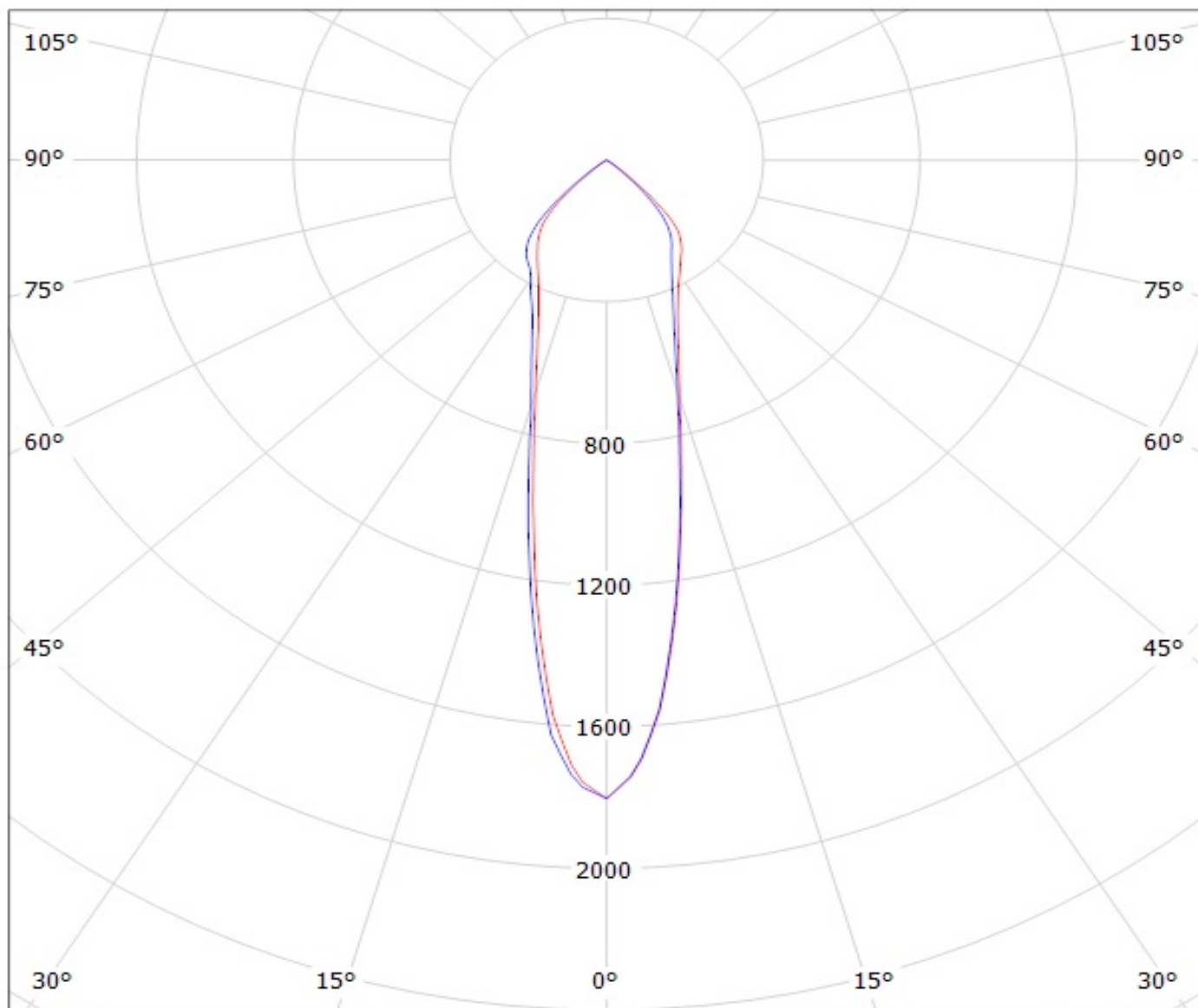


Luminaire: LEDil Oy FC13973_ANGELINA-RZ-S_(Luxeon_K16) Efficiency=89%
Lamps: 1 x Luxeon K16 (LXK8-PW40-0016) 1200lm @ 250mA CCT=4000K P=10.9W I=250mA



cd/klm
— C0 - C180 — C90 - C270

Luminaire: LEDil Oy FC13973_ANGELINA-RZ-S_(Luxeon_K12) Efficiency=89%
Lamps: 1 x Luxeon K12 (LXK8-PW40-0012) 930lm @ 250mA CCT=4000K P=8.2W I=250mA



cd/klm

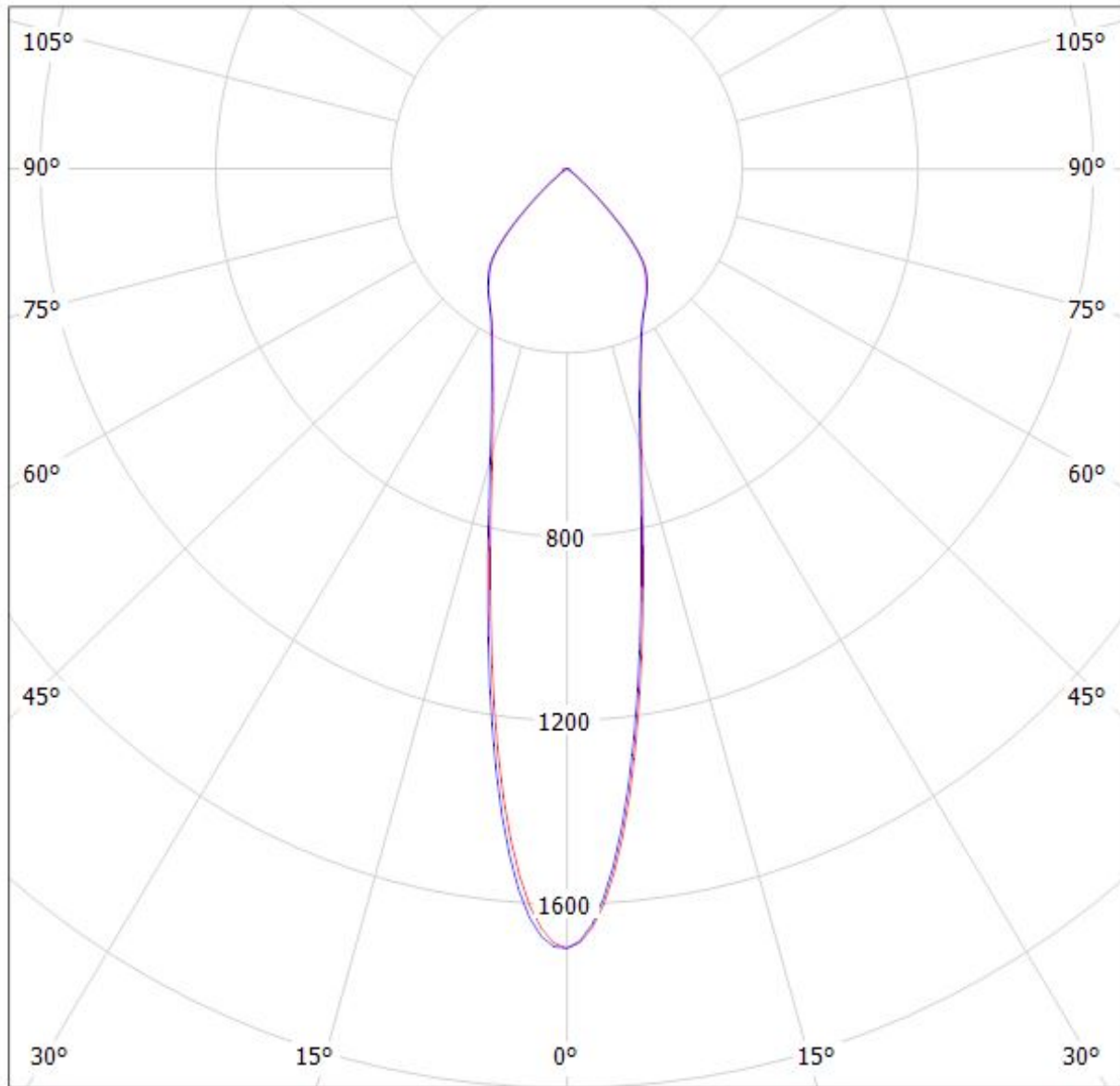
— C0 - C180

— C90 - C270

$\eta = 90\%$

Luminaire: LEDiL Oy FC13973_ANGELINA-RZ-S_(NFDLJ130B+IDEAL)

Lamps: 1 x Nichia_NFDLJ130B_+50-2103NC_+50-2100AN_1422.52lm@250mA_CCT=4000K_P=8.91686W_I=0.25A



cd/klm

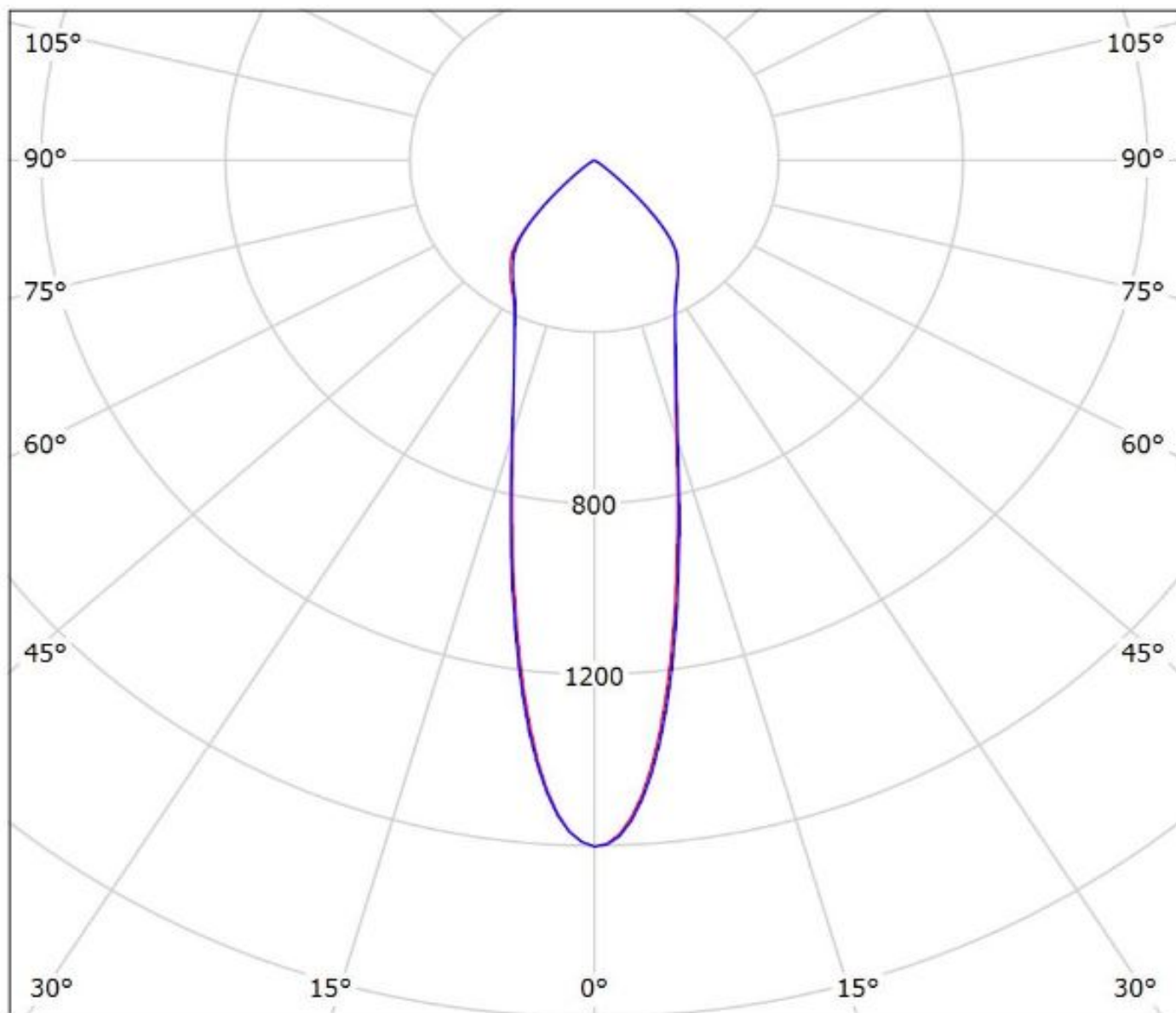
— C0 - C180

— C90 - C270

$\eta = 87\%$

Luminaire: Ledil FC13973_ANGELINA-RZ-S_(PREVALED_Core_Z4)

Lamps: 1 x PREVALED_Core_Z4_LES19_1470.62lm@250mA_P=10.828W_I=0.25A



cd/klm

— C0 - C180

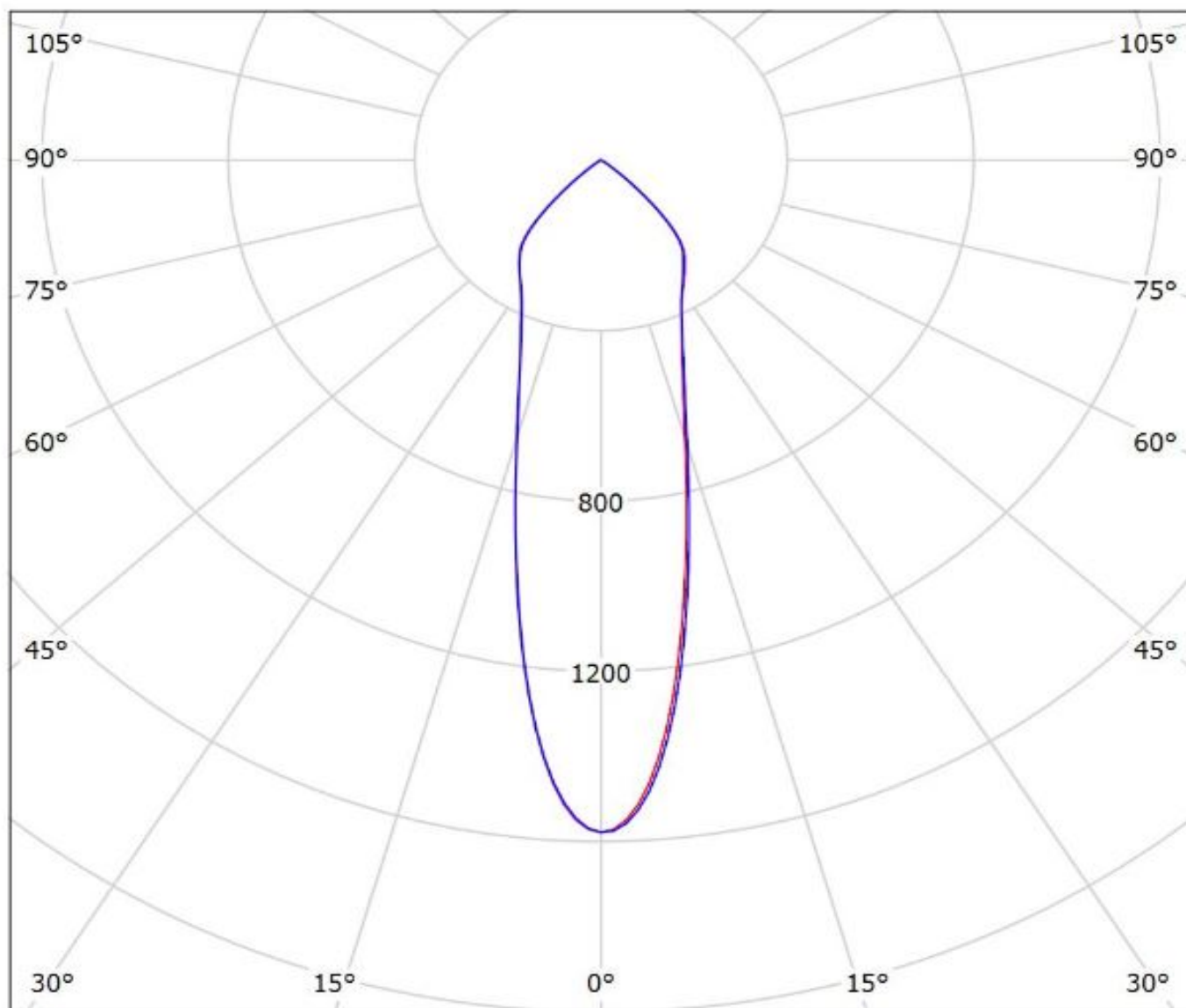
— C90 - C270

η = 88%

Luminaire: Ledil FC13973_ANGELINA-RZ-S_(S19+TE)

Lamps: 1 x Osram_Soleroq_S19_(GW_KAHJB1.EM)_+2213407-2+2213194-

1_1546.1lm@250mA_CCT=3000K_P=11.021W_I=0.25A



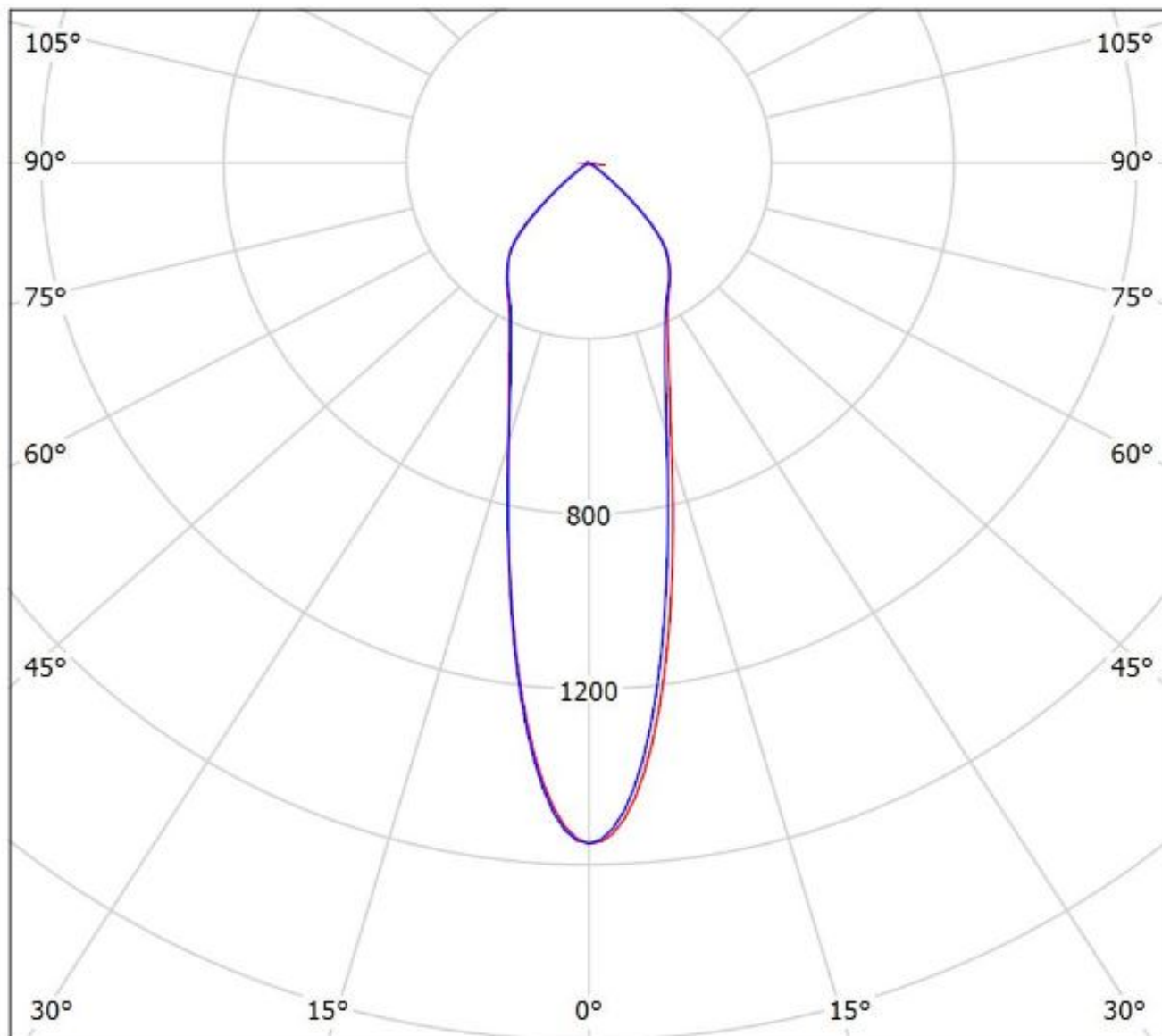
cd/klm

— C0 - C180 — C90 - C270

$\eta = 88\%$

Luminaire: Ledil FC13973_ANGELINA-RZ-S_(SLM_G5_LES_15_+TE)

Lamps: 1 x Philips_SLM_G5_LES_15_+TE_2213194-1_1277.72lm@250mA_P=8.208W_I=0.25A

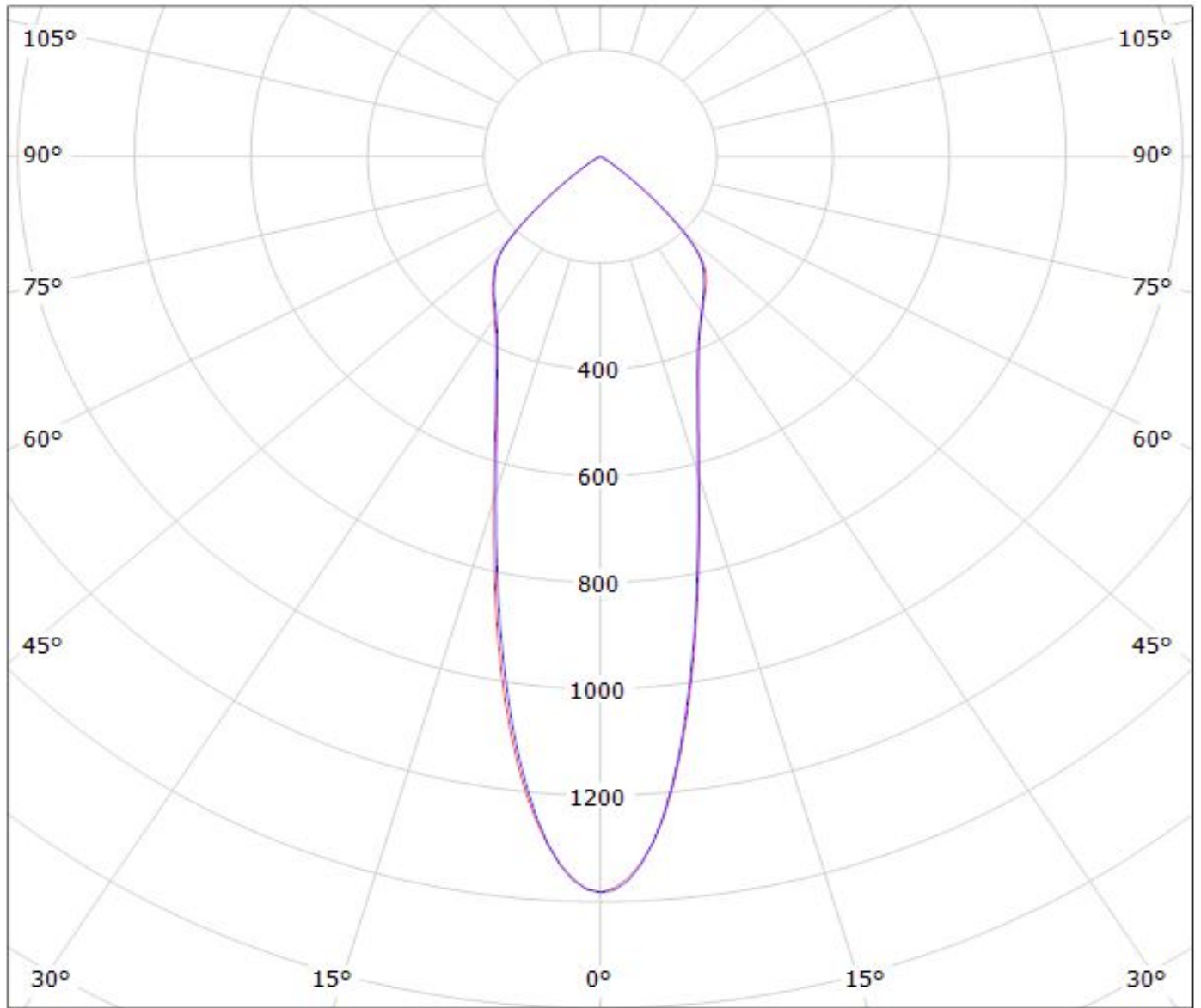


cd/klm

$\eta = 87\%$

— C0 - C180 — C90 - C270

Luminaire: Ledil FC13973_ANGELINA-RZ-S_(SEOUL_AC_Zhaga_COB)
Lamps: 1 x SEOUL_AC_Zhaga_COB



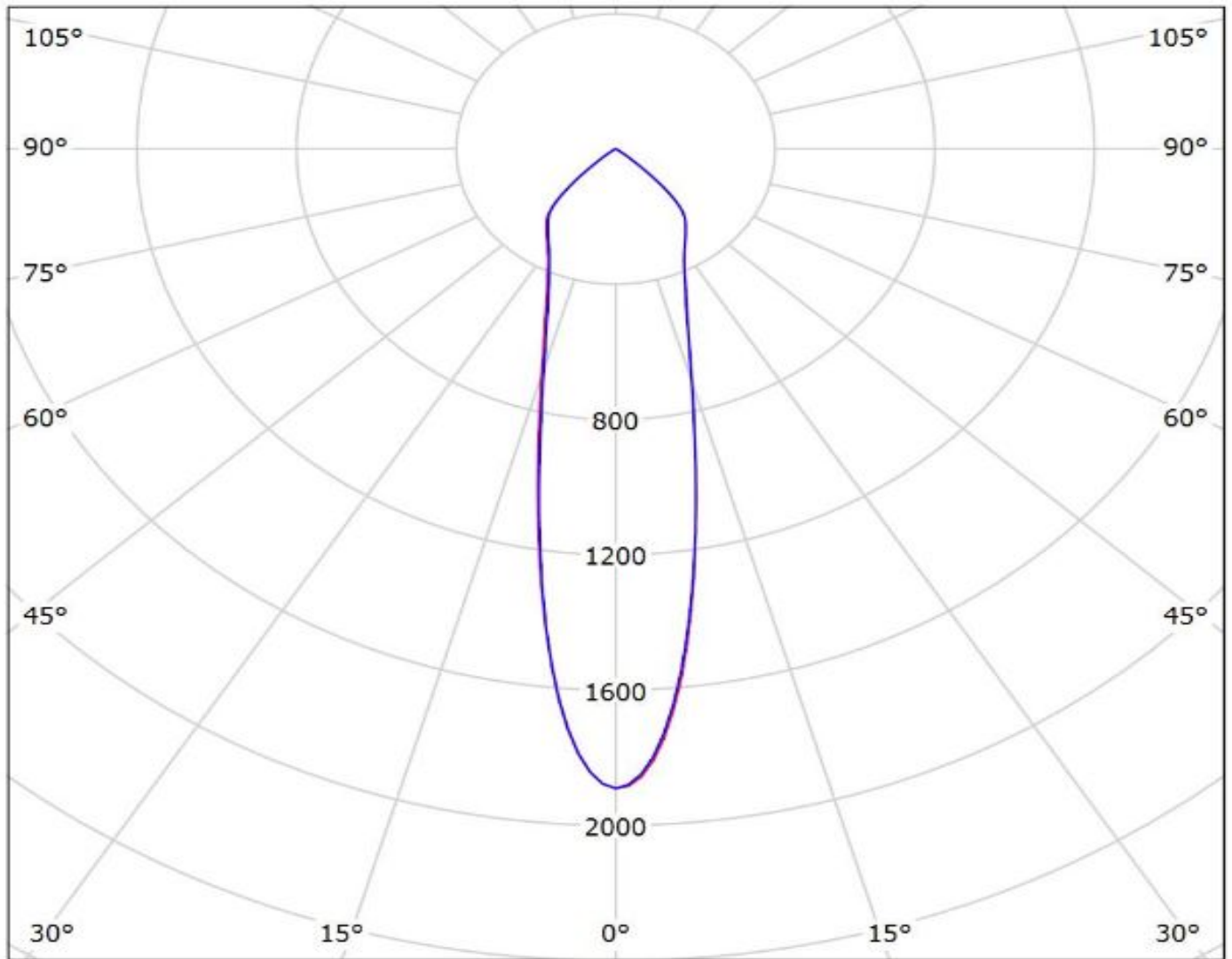
cd/klm

— C0 - C180 — C90 - C270

$\eta = 88\%$

Ledil FC13973_ANGELINA-RZ-S_(MEZ_GW6) / LDC (Polar)

Luminaire: Ledil FC13973_ANGELINA-RZ-S_(MEZ_GW6)
Lamps: 1 x SHARP_Megazenigata_(GW6DME30NFC)
_1261.85lm@250mA_CCT=3038K_P=11.172W_I=0.25A



cd/klm

— C0 - C180 — C90 - C270

$\eta = 89\%$

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.