



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!



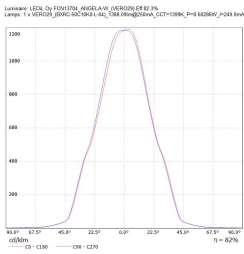
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





PRODUCT DATASHEET ANGELA series

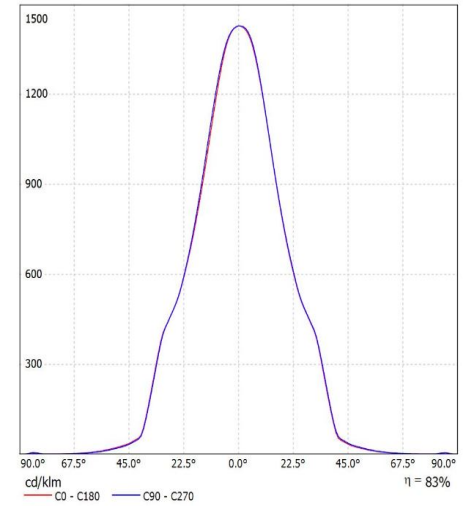
last update 3/11/2016

DETAILS

Product Number	FCN13568_ANGELA-M
Family	ANGELA
Type	RefPack
Color	metal
Diameter	119,5 mm
Height	80,2 mm
Style	round
Optic Material	
Holder Material	
Fastening	screw
Status	production ready
ROHS Compliant	Yes
Date Updated	3/11/2016

Ledil FCN13704_ANGELA-W_(CLU044)_431_Typ_L3 / LDC (Linear)

Luminaire: Ledil FCN13704_ANGELA-W_(CLU044)_431_Typ_L3
Lamps: 1 x Citizen_CLU044_(CLU044-121258-303M1A2)_1272.54lm@250mA_P=8.16W_I=0.25A



OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
LUXEON S2000	15 deg	Medium	85 %	4.700	LEDiL: LEDiL

H G F E D C B A

4

3

2

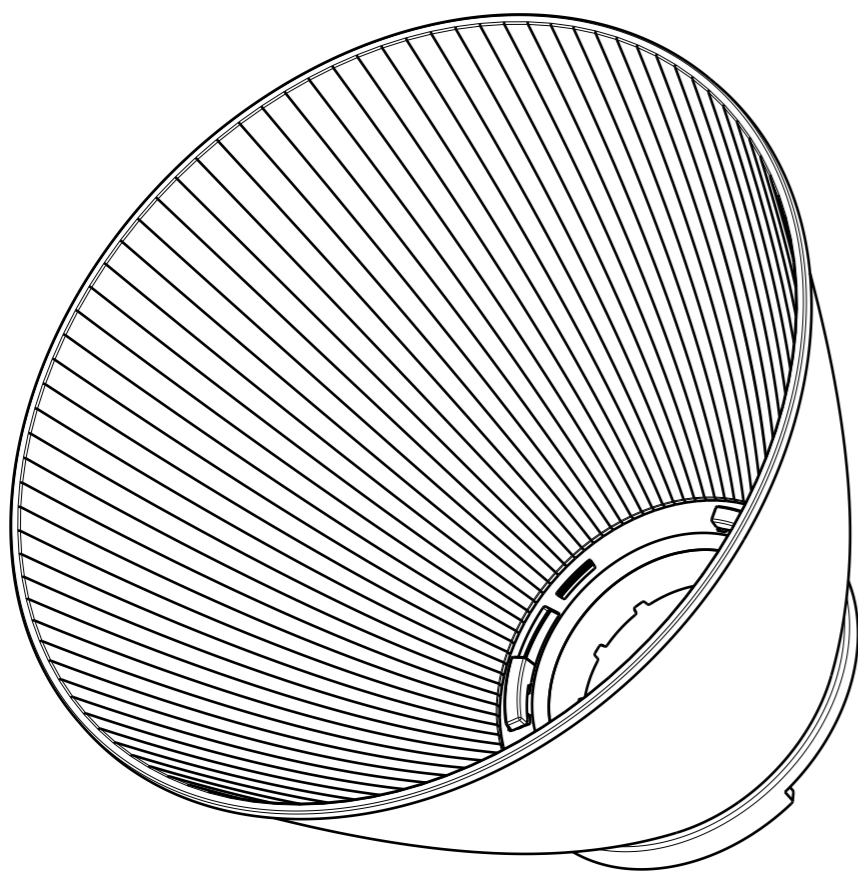
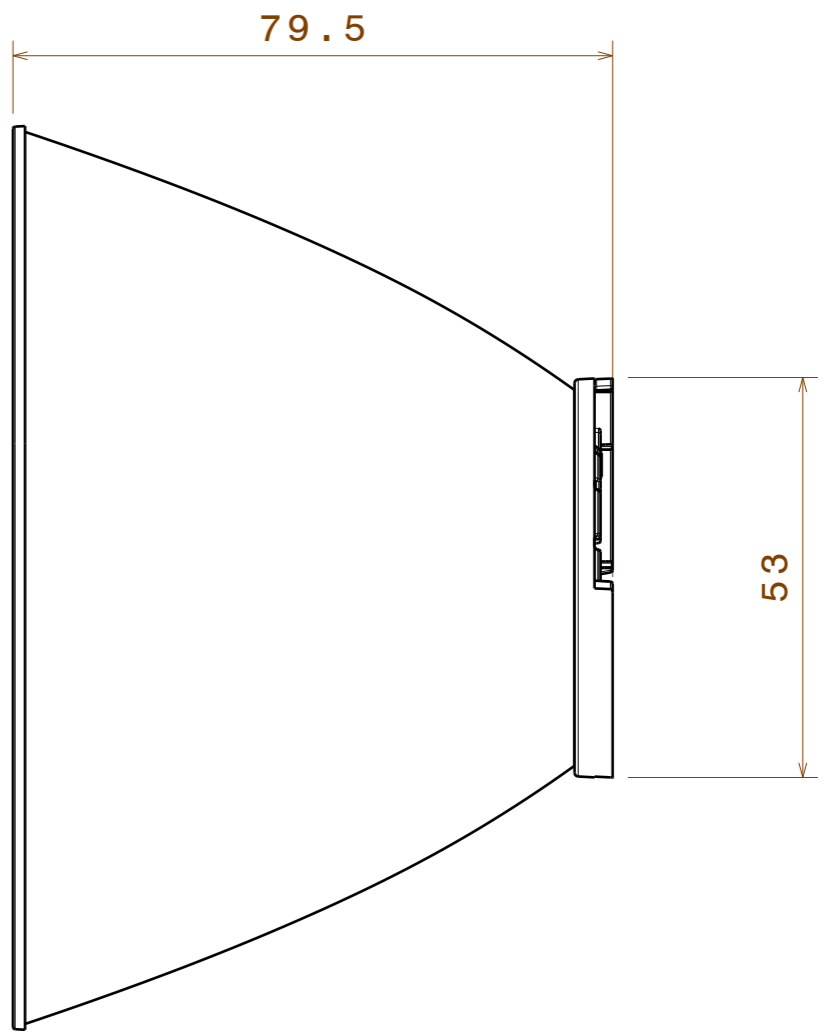
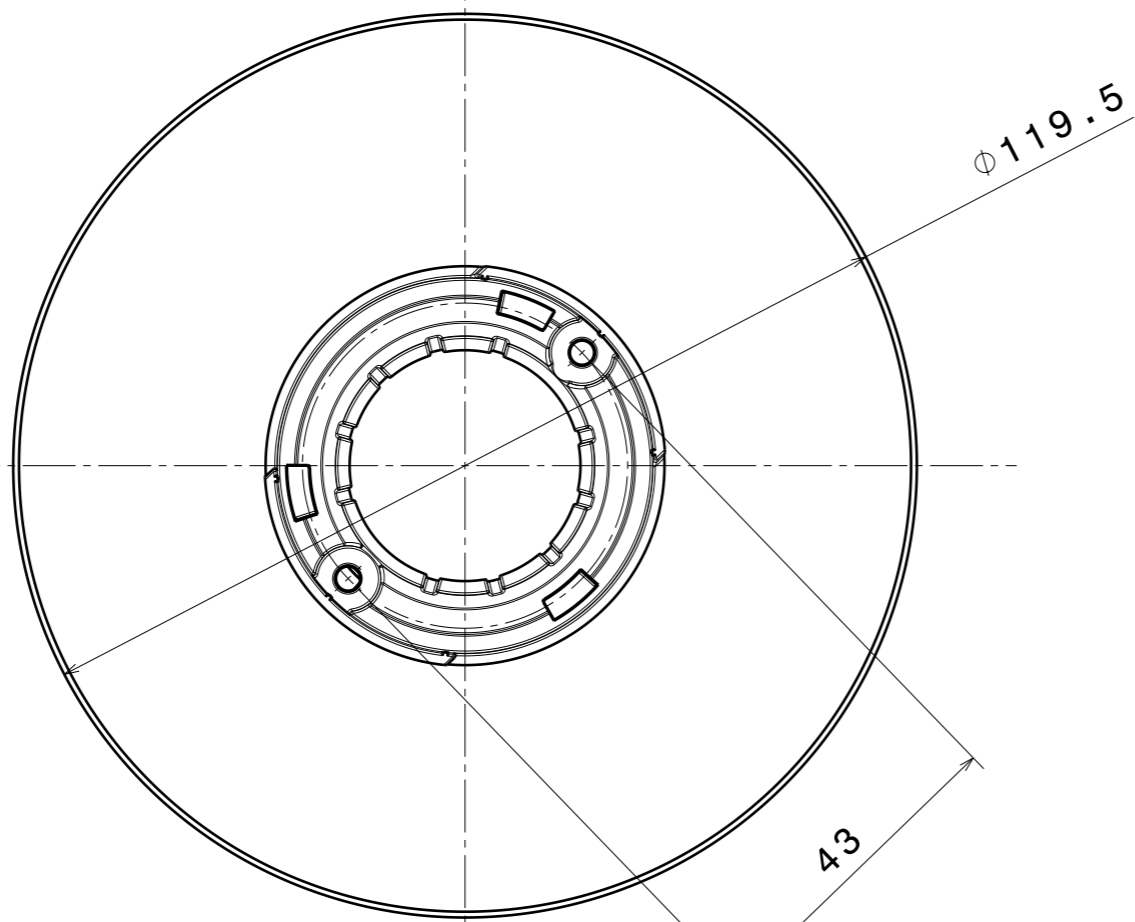
1

4

3

2

1



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

LEDiL Ledil Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
DATA SHEET ANGELA - VERO SOCKET 29

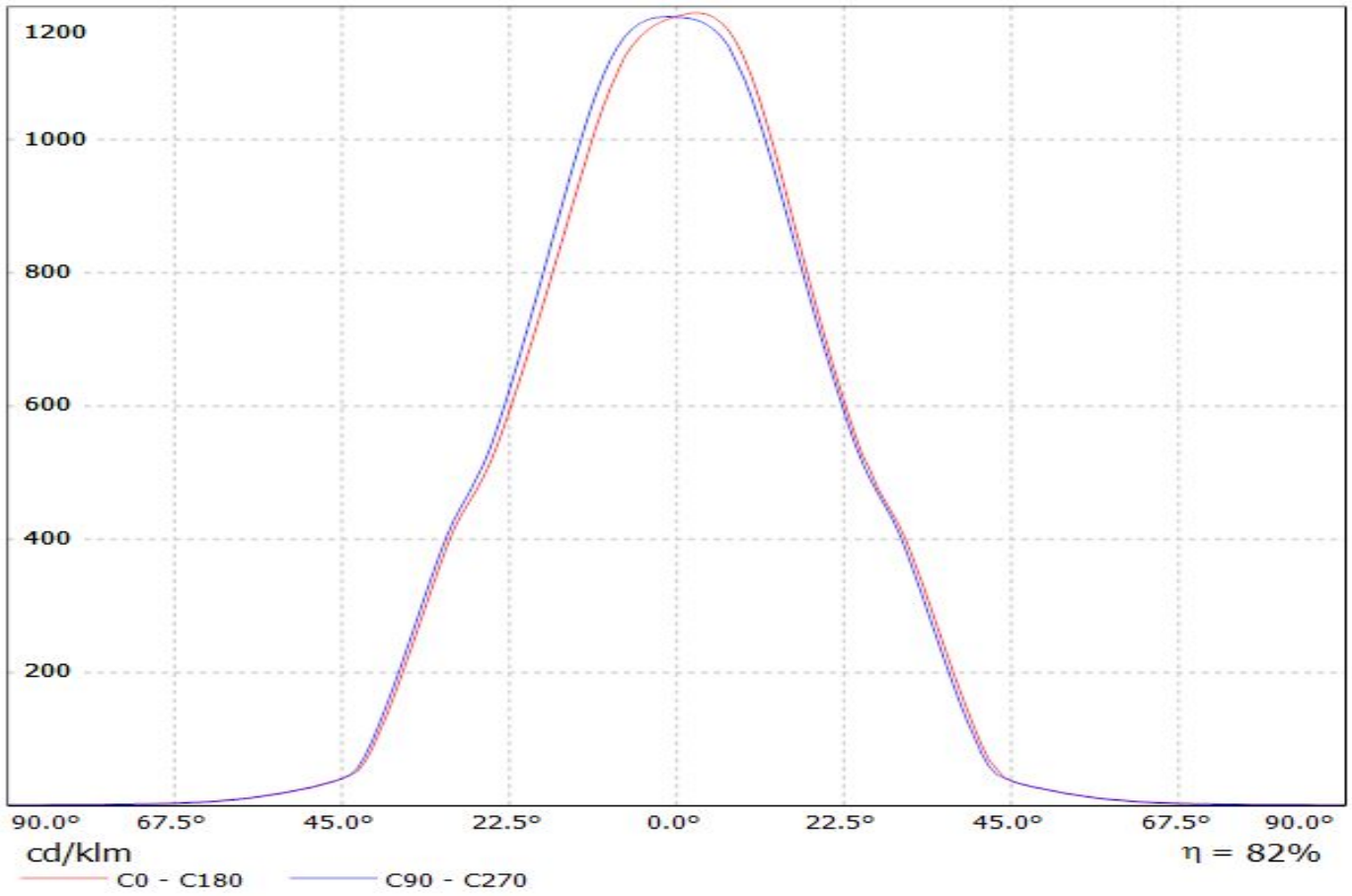
This drawing is the property
 of LEDiL Oy. It may not be
 reproduced, copied or
 communicated without a written
 agreement with LEDiL Oy."

SIZE	PART NUMBER		
A3	-		

SCALE	1:1	WEIGHT	-	SHEET	1/1
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H G B A

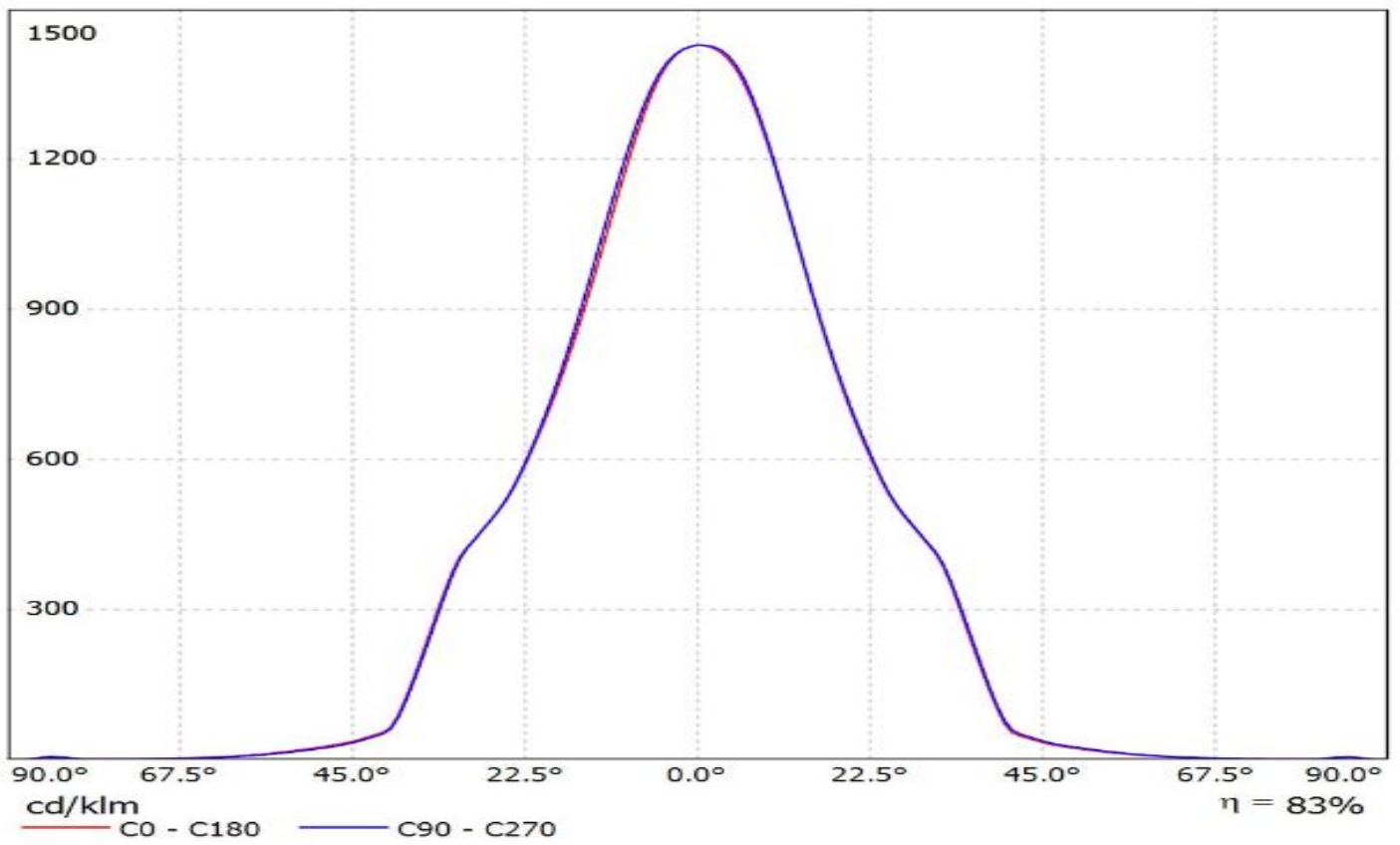
Luminaire: LEDiL Oy FCN13704_ANGELA-W_(VERO29) Eff.82.3%
Lamps: 1 x VERO29_(BXRC-50C10K0-L-04)_1388.09lm@250mA_CCT=1399K_P=8.60286W_I=249.8mA



Ledil FCN13704_ANGELA-W_(CLU044)_(431_Typ_L3) / LDC (Linear)

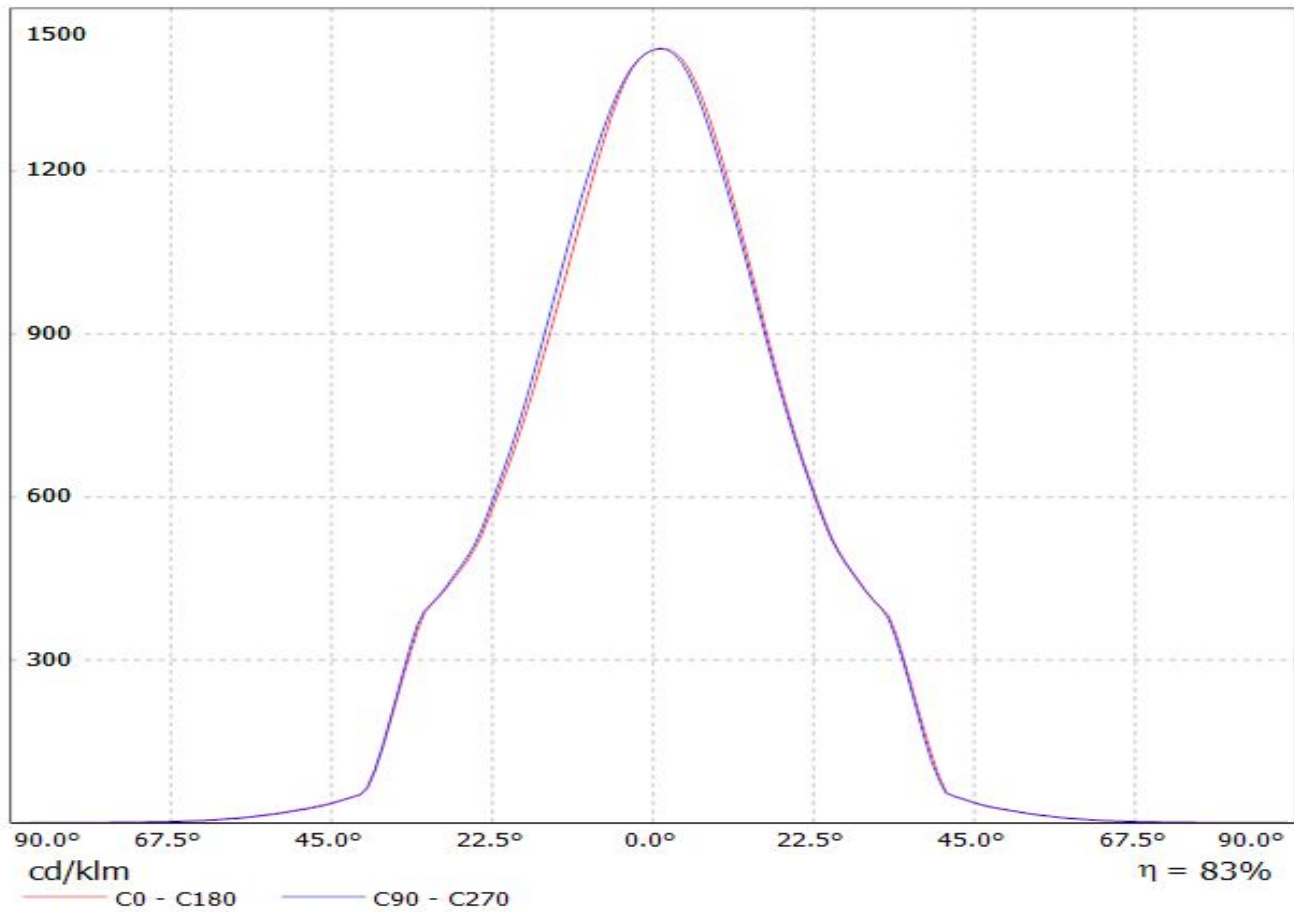
Luminaire: Ledil FCN13704_ANGELA-W_(CLU044)_(431_Typ_L3)

Lamps: 1 x Citizen_CLU044_(CLU044-1212B8-303M1A2)_1272.54lm@250mA_P=8.16W_I=0.25A



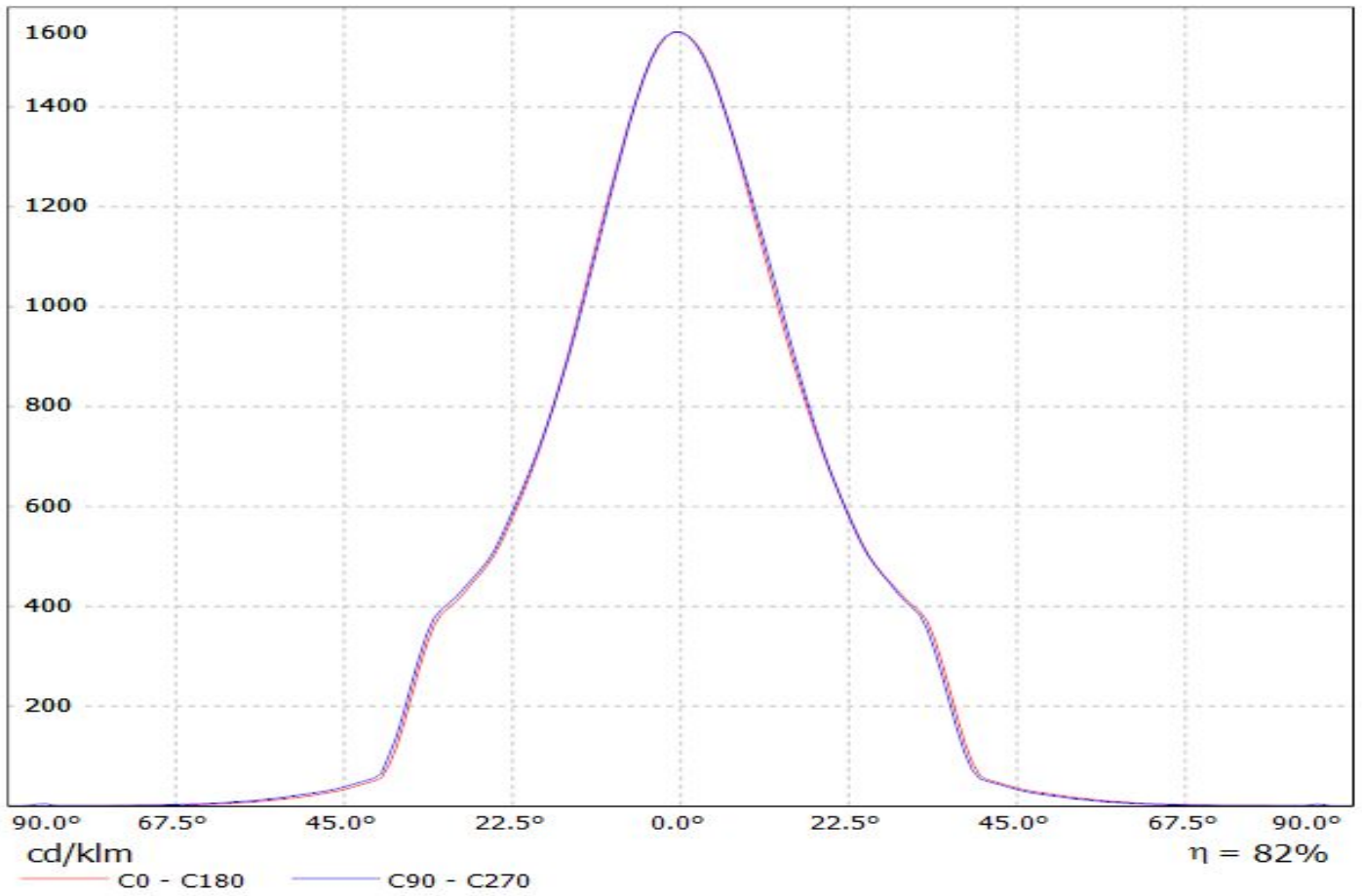
Luminaire: LEDiL Oy FCN13704_ANGELA-W_(CoB_1211)_(431_Typ_L3)

Lamps: 1 x Luxeon_CoB_1211_(LHC1-5780-1211)_(431_Typ_L3)_(C13867)_897.994lm@250mA_P=8W_I=0.25A



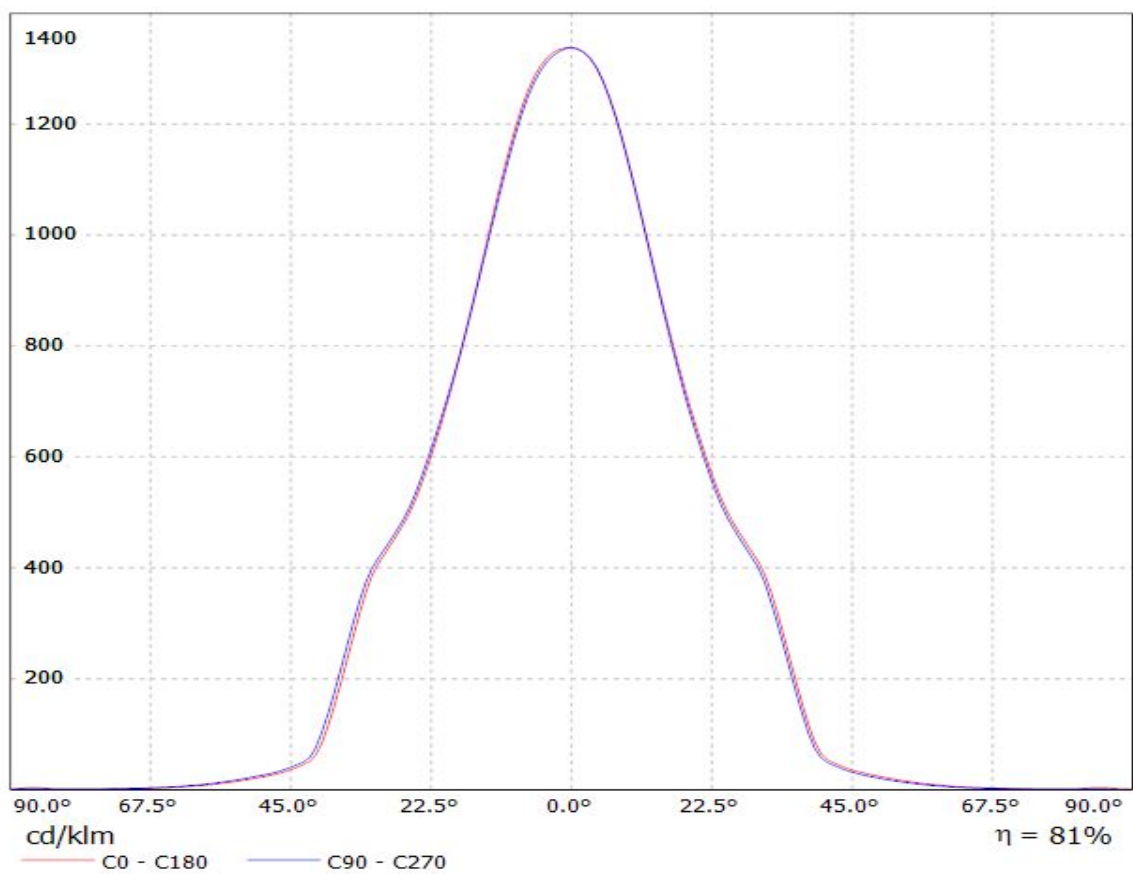
Luminaire: LEDiL Oy FCN13704_ANGELA-W_(Soleriq_S19)_462_Typ_L3

Lamps: 1 x Osram_Soleriq_S19_(GW_KAHJB1.EM)_1497.37lm@250mA_P=11.1223W_I=0.2532A



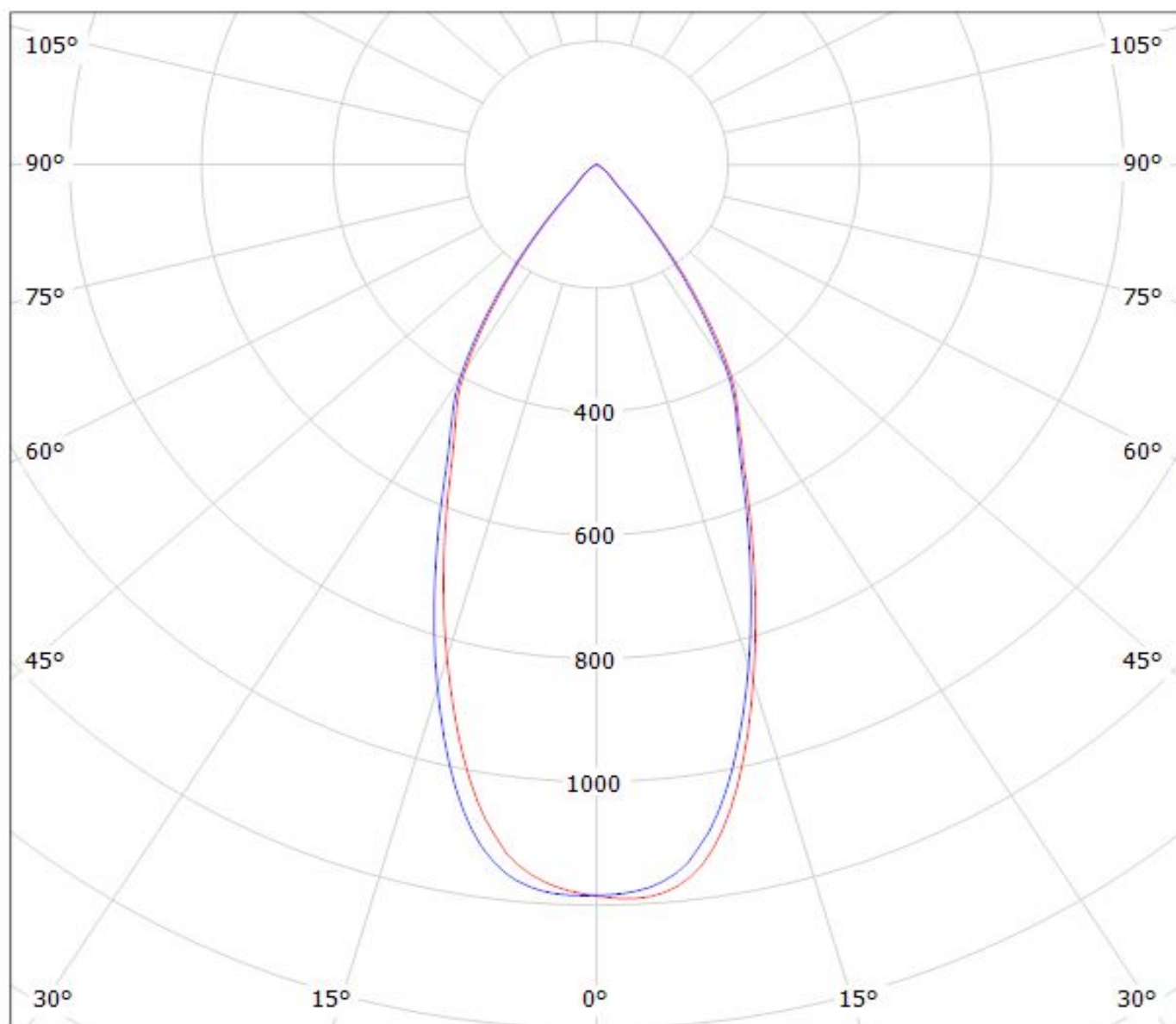
Luminaire: Ledil FCN13704_ANGELA-W (MJT_80W_Les22)_+431TypL3

Lamps: 1 x Seoul_MJT_80W_Les22mm_(SAWx22AAA)_+_VERO29_+_431TypL3_2407.73lm@250mA_P=13.2662W_I=0.25A



Luminaire: LEDiL Oy FCN13704_ANGELA-W_(VERO29) Eff.82.3%

Lamps: 1 x VERO29_(BXRC-50C10K0-L-04)_1388.09lm@250mA_CCT=1399K_P=8.60286W_I=249.8mA



cd/klm

— C0 - C180

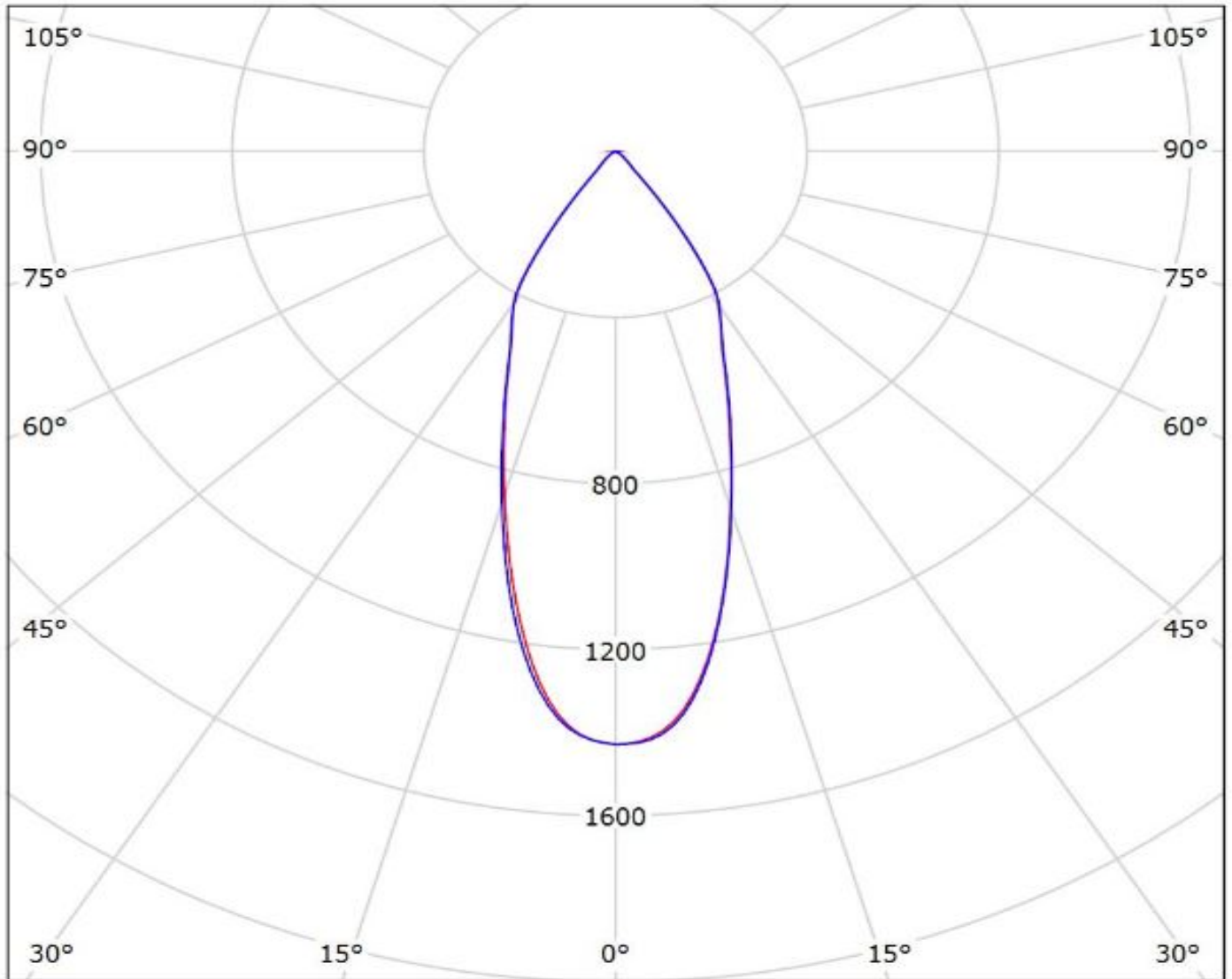
— C90 - C270

$\eta = 82\%$

Ledil FCN13704_ANGELA-W_(CLU044)_(431_Typ_L3) / LDC (Polar)

Luminaire: Ledil FCN13704_ANGELA-W_(CLU044)_(431_Typ_L3)

Lamps: 1 x Citizen_CLU044_(CLU044-1212B8-303M1A2)_1272.54lm@250mA_P=8.16W_I=0.25A



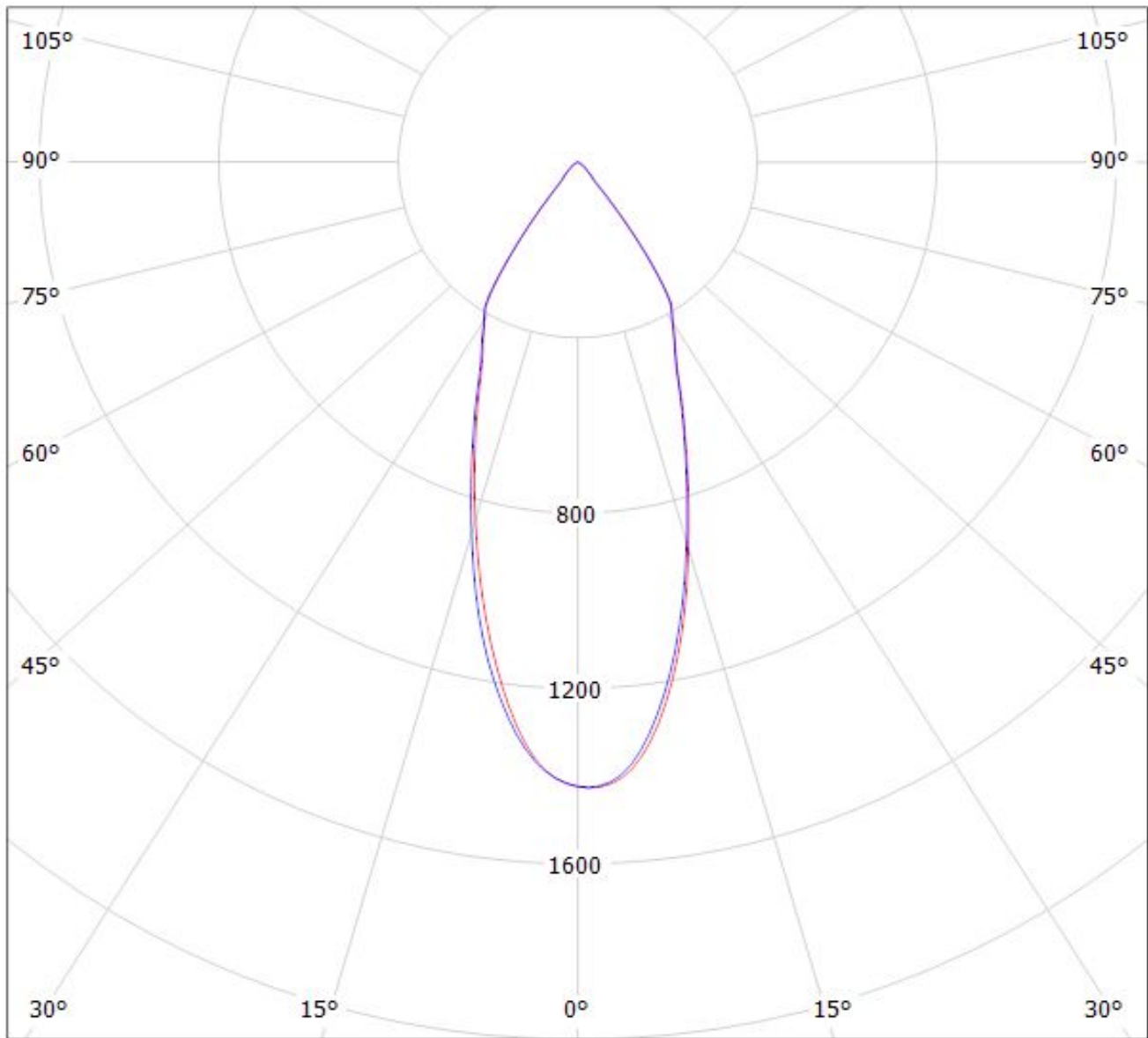
cd/klm

— C0 - C180 — C90 - C270

$\eta = 83\%$

Luminaire: LEDiL Oy FCN13704_ANGELA-W_(CoB_1211)_(431_Typ_L3)

Lamps: 1 x Luxeon_CoB_1211_(LHC1-5780-1211)_(431_Typ_L3)_(C13867)_897.994lm@250mA_P=8W_I=0.25A



cd/klm

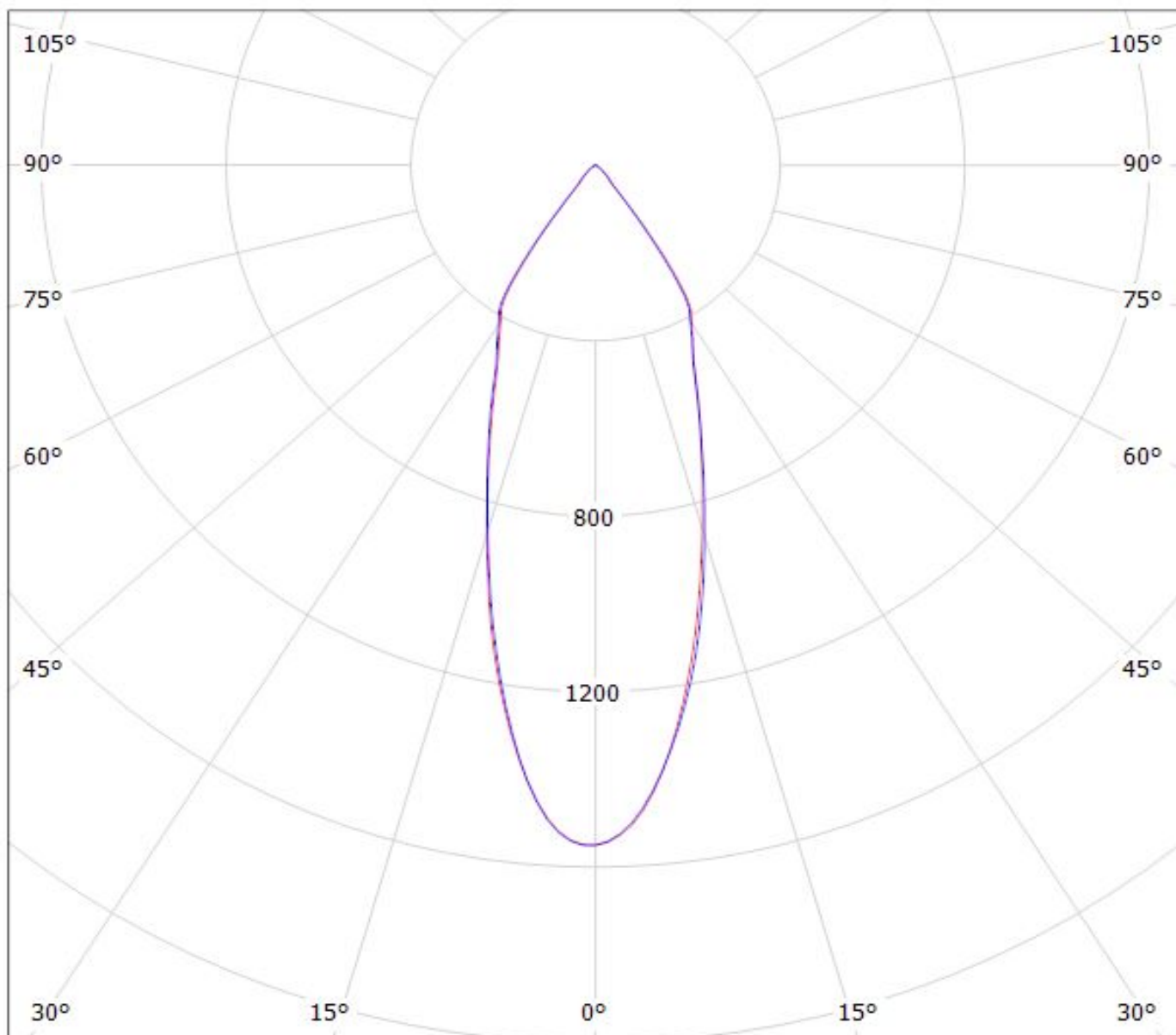
$\eta = 83\%$

— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy FCN13704_ANGELA-W_(Soleriq_S19)_462_Typ_L3

Lamps: 1 x Osram_Soleriq_S19_(GW_KAHJB1.EM)_1497.37lm@250mA_P=11.1223W_I=0.2532A



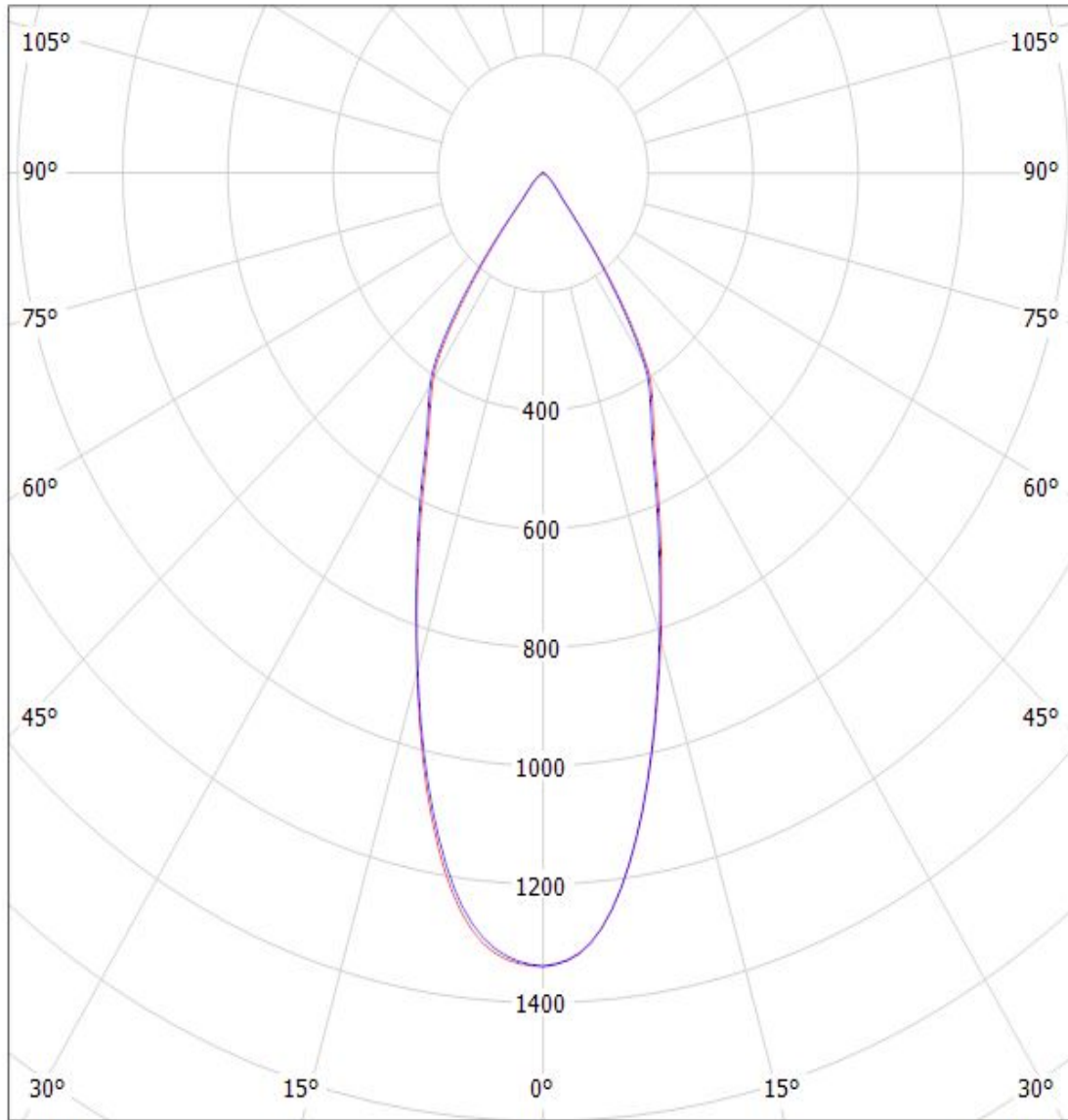
cd/klm

— C0 - C180 — C90 - C270

$\eta = 82\%$

Luminaire: Ledil FCN13704_ANGELA-W_(MJT_80W_Les22)_+431TypL3

Lamps: 1 x Seoul_MJT_80W_Les22mm_(SAWx22AAA)+_VERO29+_431TypL3_2407.73lm@250mA_P=13.2662W_I=0.25A



cd/klm

— C0 - C180

— C90 - C270

η = 81%

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.