PRODUCT DATASHEET
ANGELA series
last update 3/11/2016

DETAILS

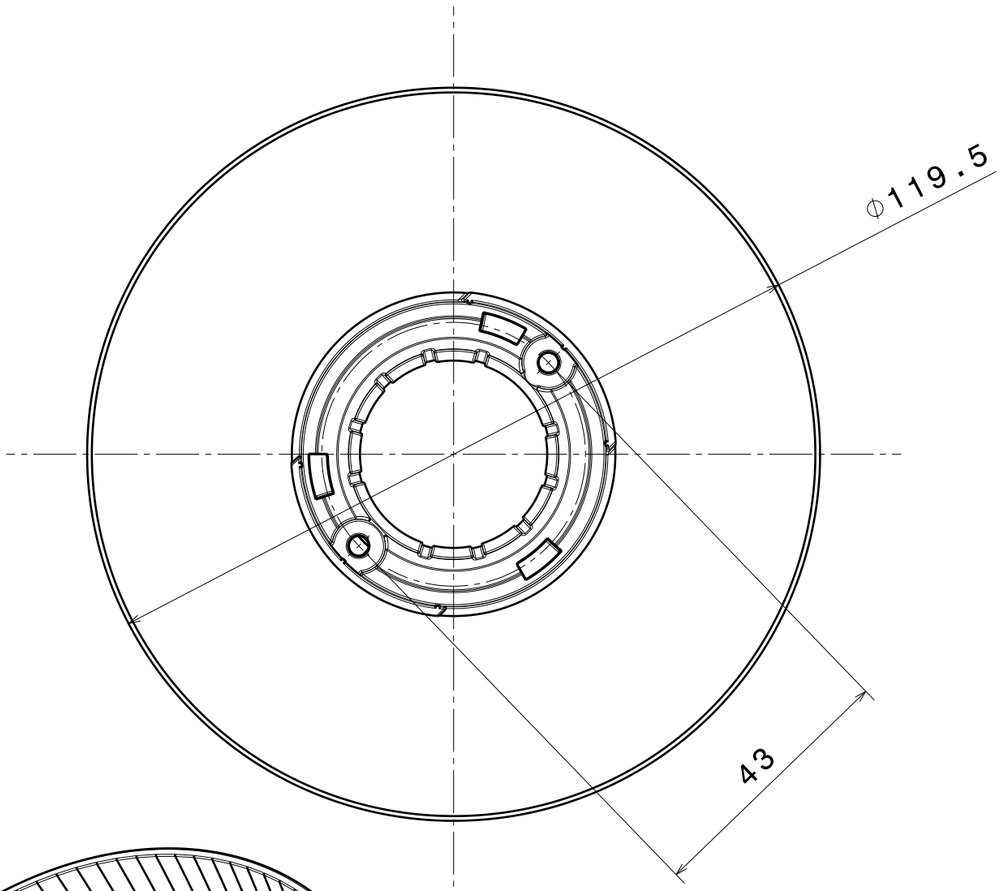
Product Number	FCN13698_ANGELA-M
Family	ANGELA
Type	RefPack
Color	metal
Diameter	119,5 mm
Height	79,31 mm
Style	round
Optic Material	
Holder Material	
Fastening	
Status	production ready
ROHS Comliant	Yes
Date Updated	3/11/2016

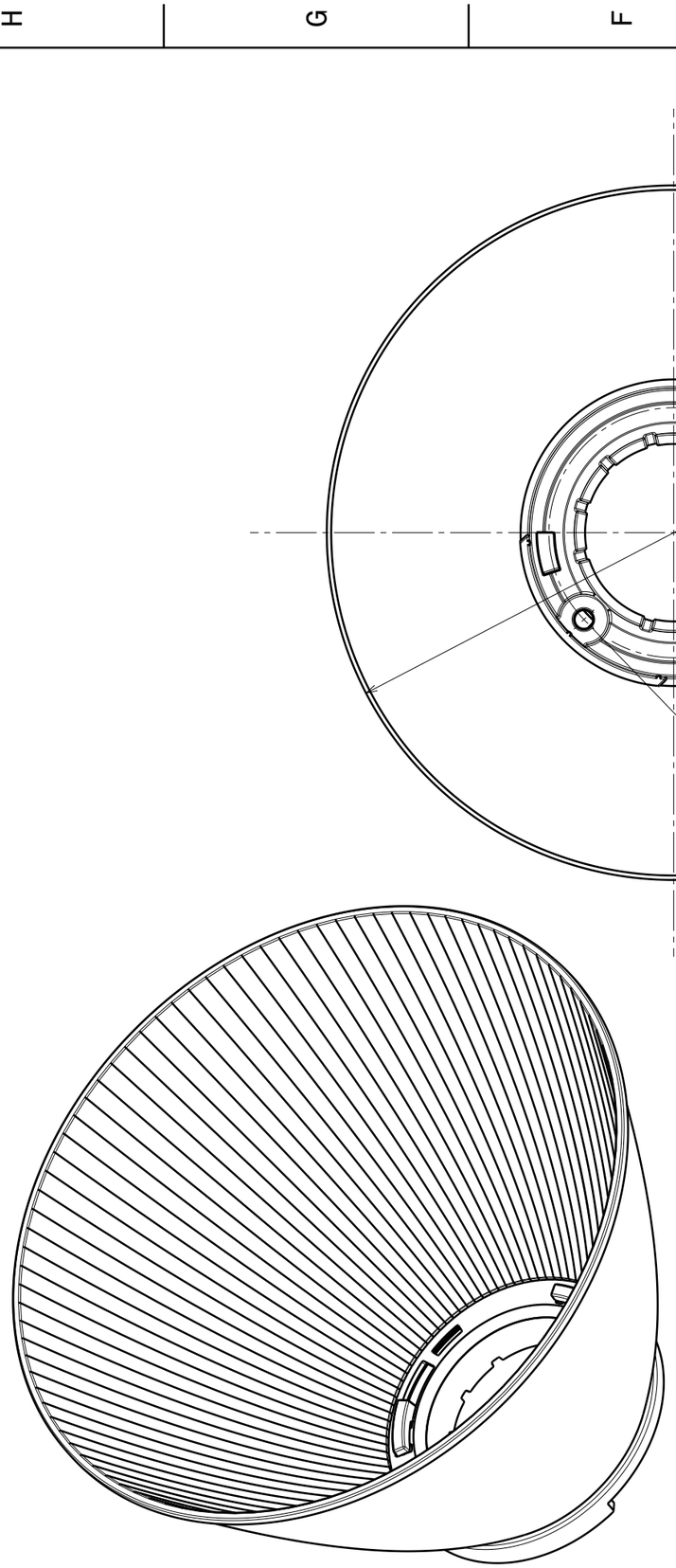
OPTICAL PROPERTIES

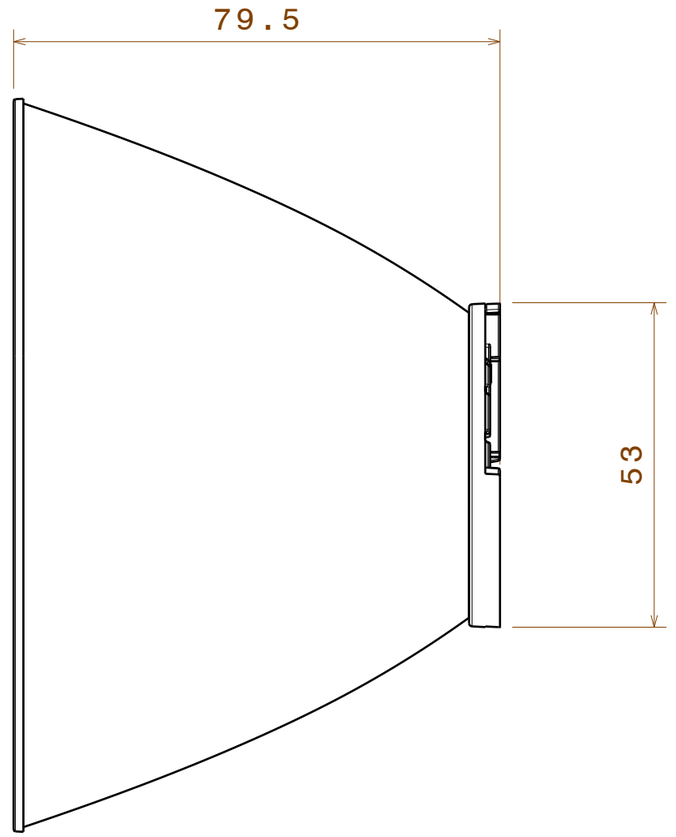
LED	Viewing Angle	Light Beam	Effi-ciency	cd/lm	Connector
VERO29	29 deg	Medium	85 %	1.900	LEDiL: LEDiL
CLL04x/CLU04x	21 deg	Medium	84 %	2.700	Bender Wirth: 431 Typ L3
CLU730/731	15 deg	Medium	84 %	3.800	Bender Wirth: 471 Typ L3
LUXEON CoB 1211	19 deg	Medium	85 %	3.000	Bender Wirth: 431 Typ L3
Soleriq S19	17 deg	Medium	83 %	3.400	Bender Wirth: 462 Typ L3
MJT COB LES 22	22 deg	Medium	82 %	2.500	Bender Wirth: 431 Typ L3

Ledil Oy
Salorankatu 10
24240 SALO, Finland

http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001







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

THIRD ANGLE PROJECTION:

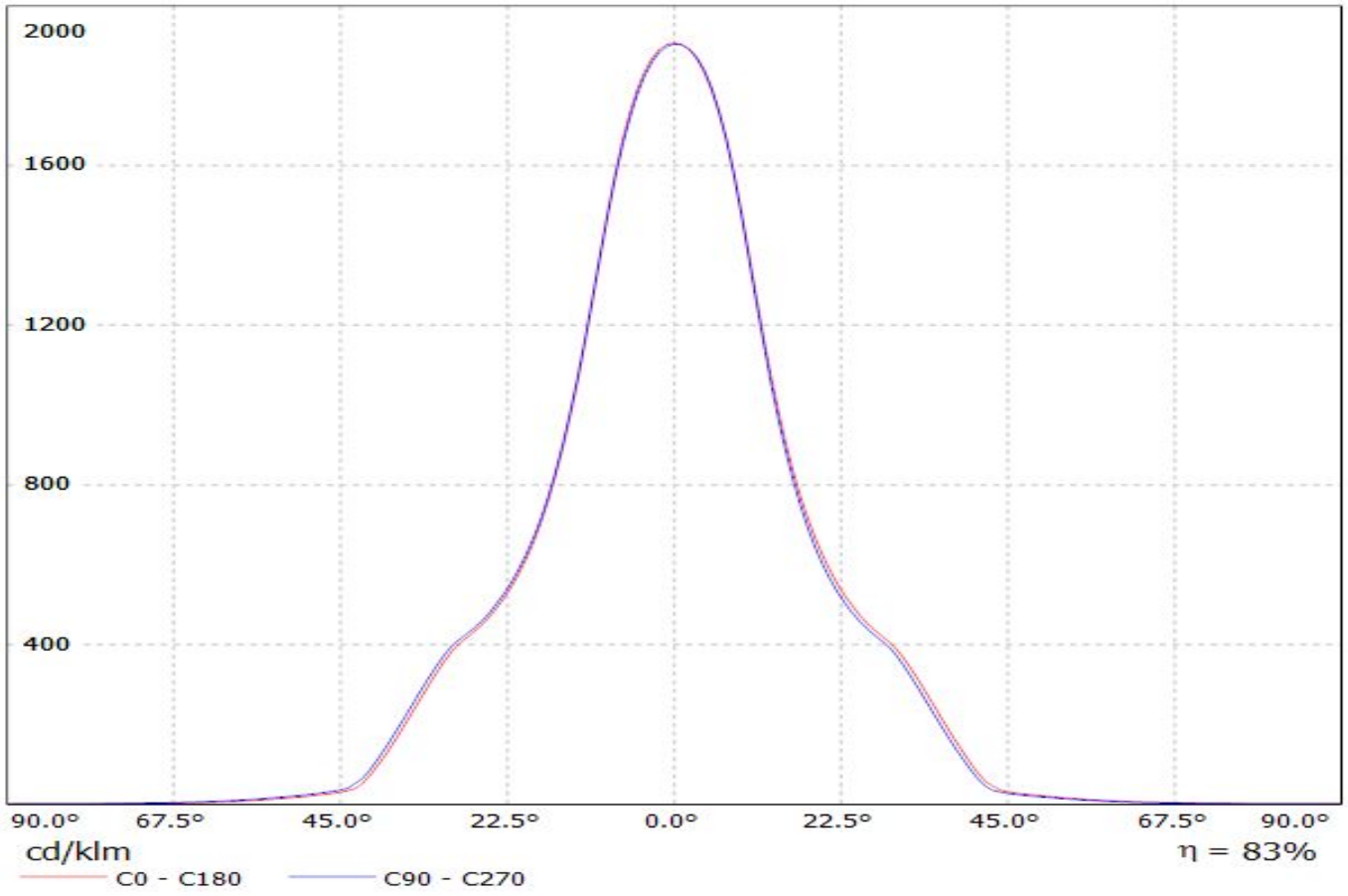
Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
DATA SHEET ANGELA - VERO SOCKET 29

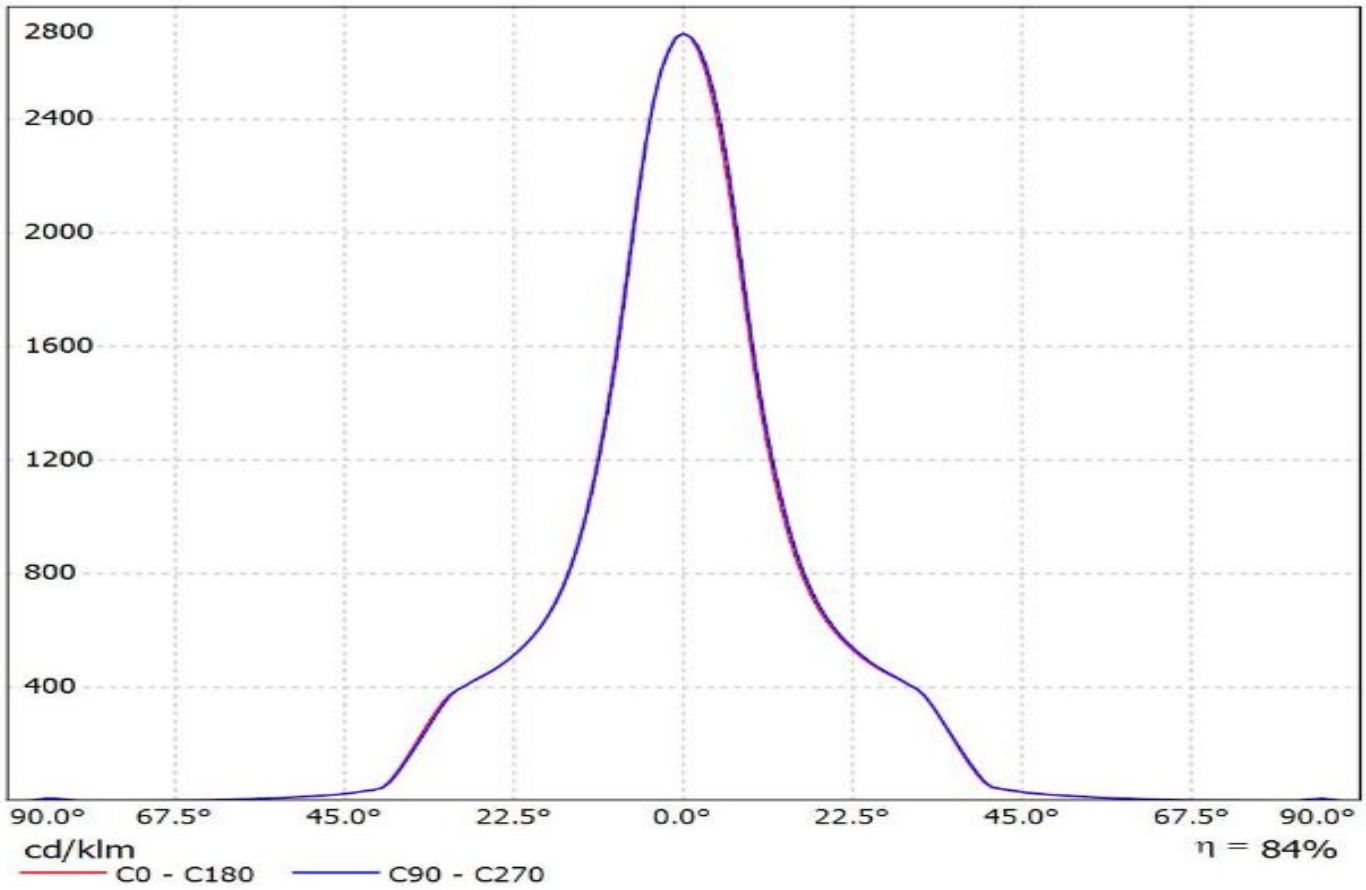
SIZE	PART NUMBER
A3	-

SCALE	WEIGHT		SHEET
1:1	-		1/1

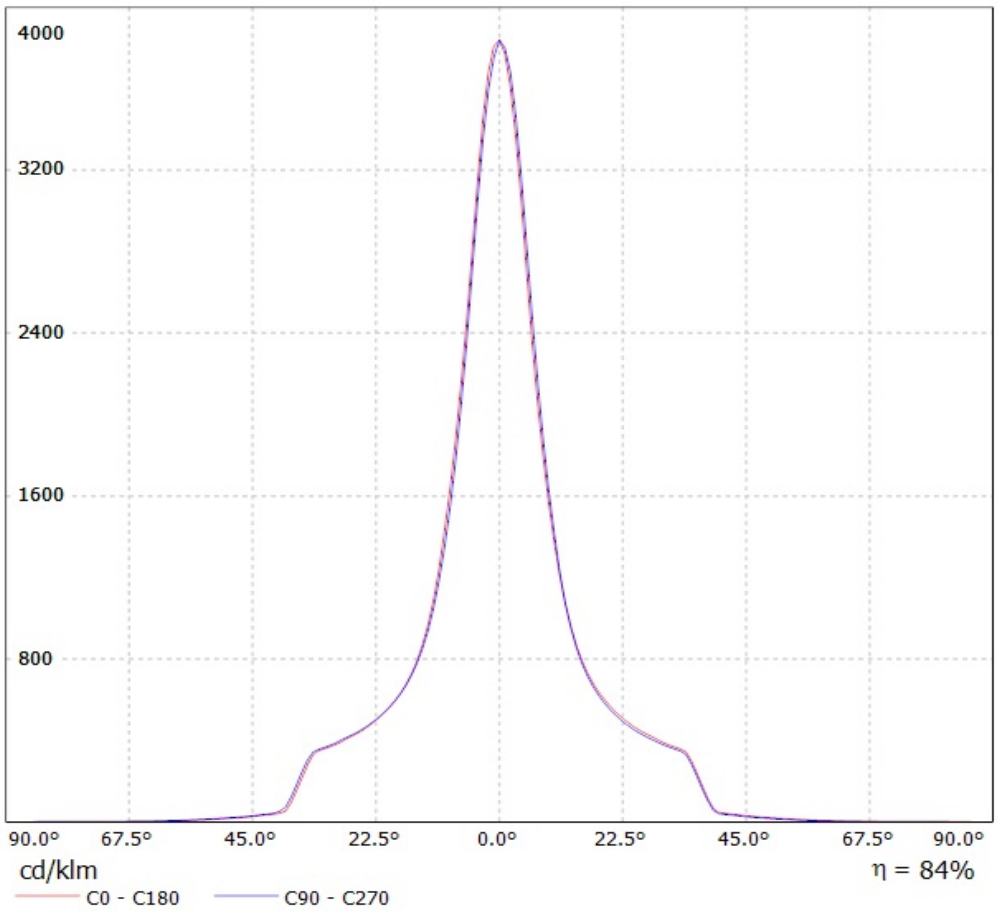
Luminaire: LEDiL Oy FCN13698_ANGELA-M_(VERO29) Eff.83.2%
Lamps: 1 x VERO29_(BXRC-50C10K0-L-04)_1388.09lm@250mA_CCT=1399K_P=8.60286W_I=249.8mA



Luminaire: Ledil FCN13698_ANGELA-M_(CLU044)_(431_Typ_L3)
Lamps: 1 x Citizen_CLU044_(CLU044-1212B8-303M1A2)_1272.54lm@250mA_P=8.16W_I=0.25A

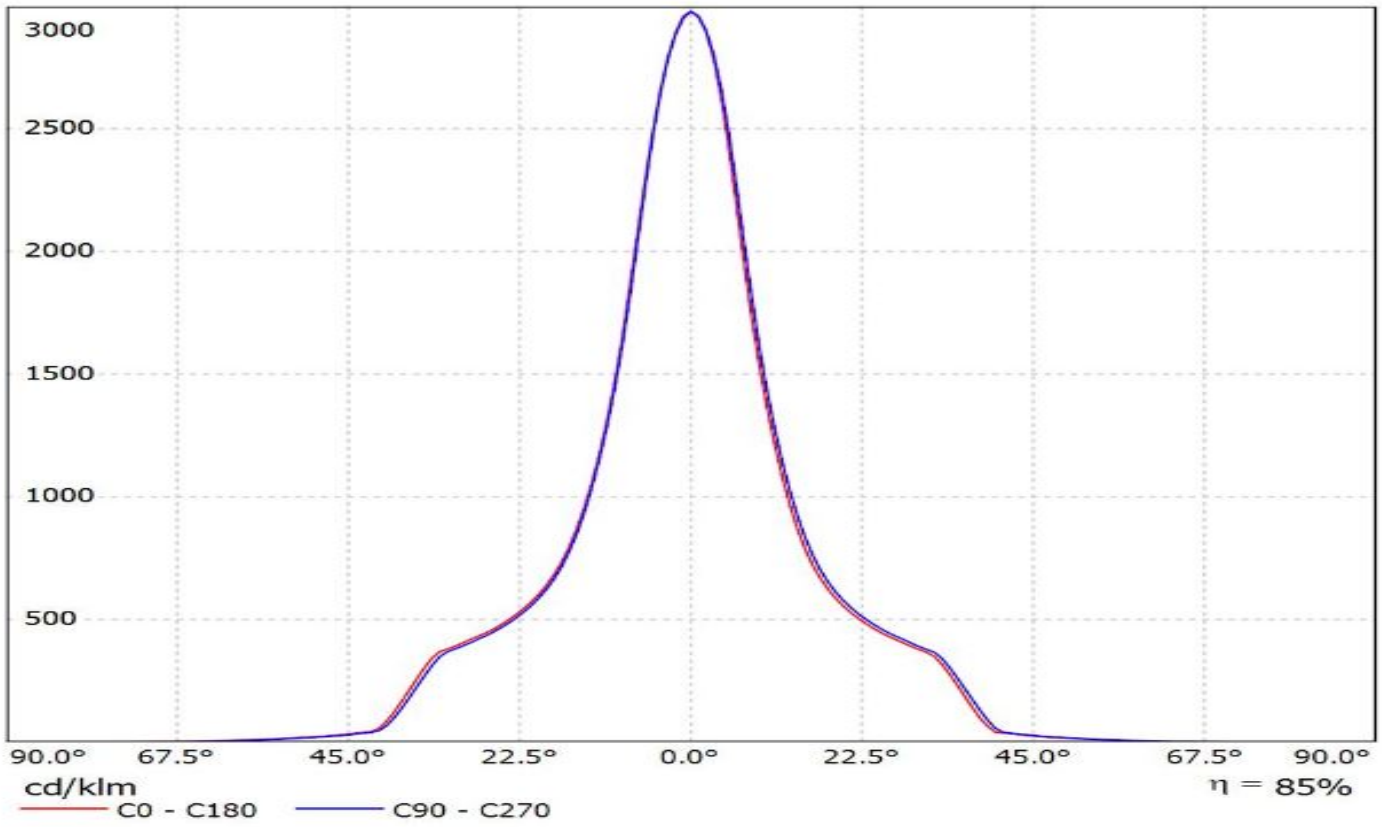


Luminaire: LEDiL Oy FCN13698_ANGELA-M_(CLU730)_(471_Typ_L3)
Lamps: 1 x Citizen_CLU730_(CLU730-1210B8-273M2G1)_(C13584_CLAMP-VERO29)_(471_Typ_L3)_1166.91lm@250mA_P=8.09751W_I=0.2499A

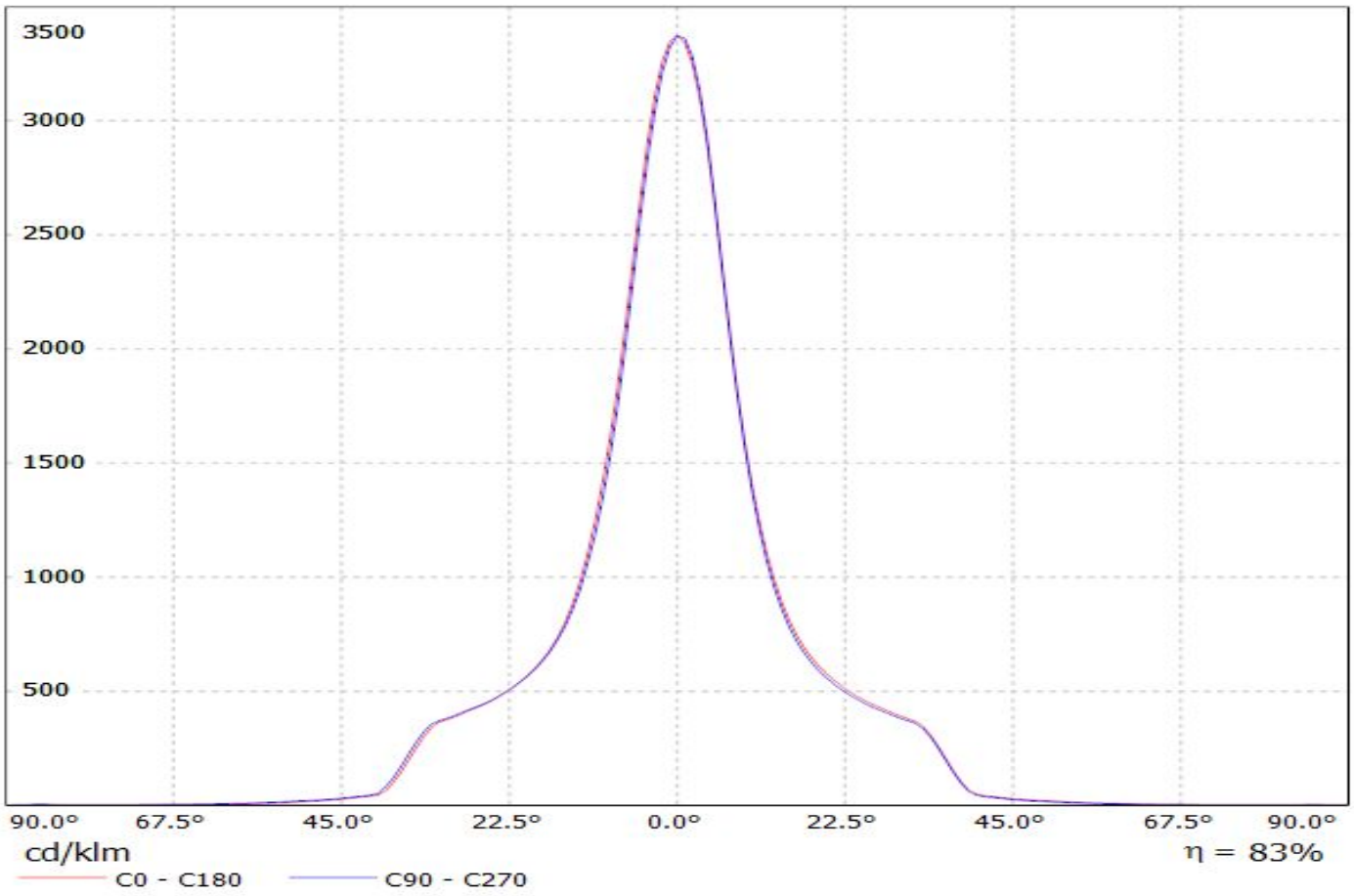


LEDiL Oy FCN13698_ANGELA-M_(CoB_1211)_(431_Typ_L3) / LDC (Linear)

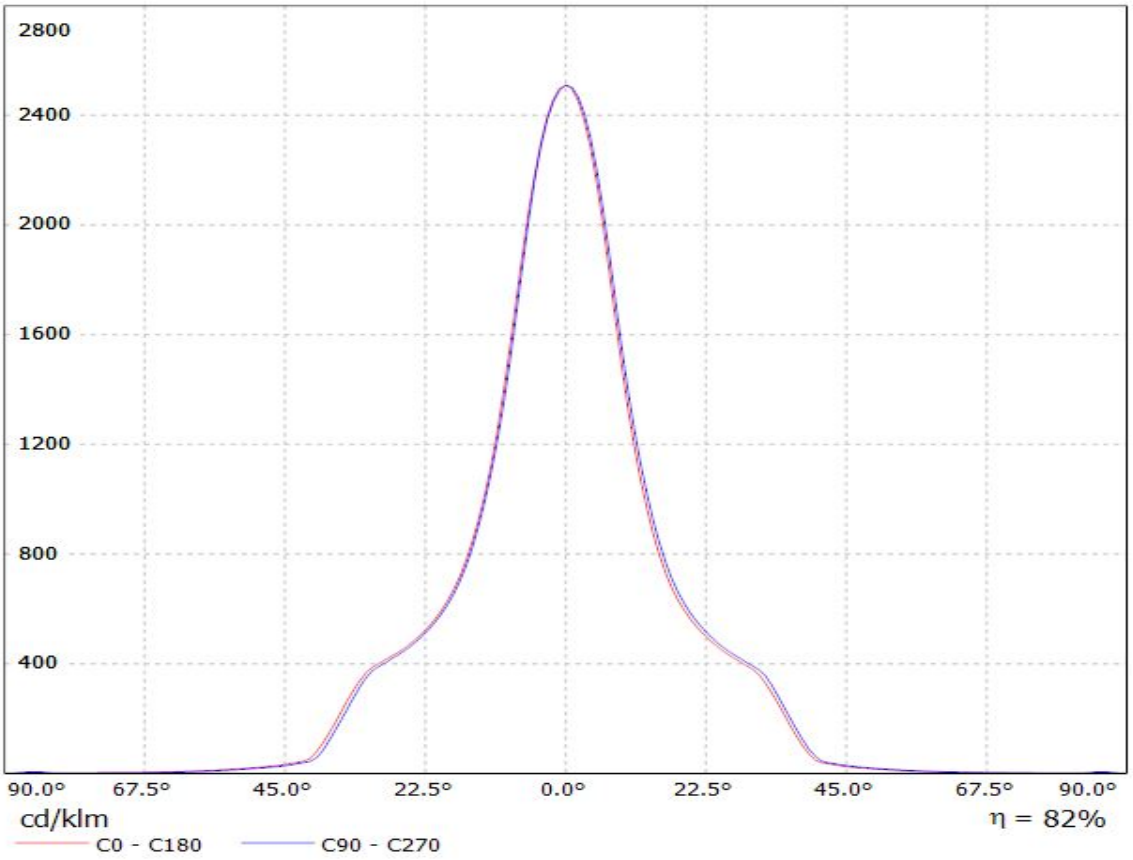
Luminaire: LEDiL Oy FCN13698_ANGELA-M_(CoB_1211)_(431_Typ_L3)
Lamps: 1 x [LAMP] Luxeon_CoB_1211_(LHC1-5780-1211)_(431_Typ_L3)_(C13867_LENA-STD-BASE-VERO29)_897.994lm@250mA_P=8W_I=0.25A



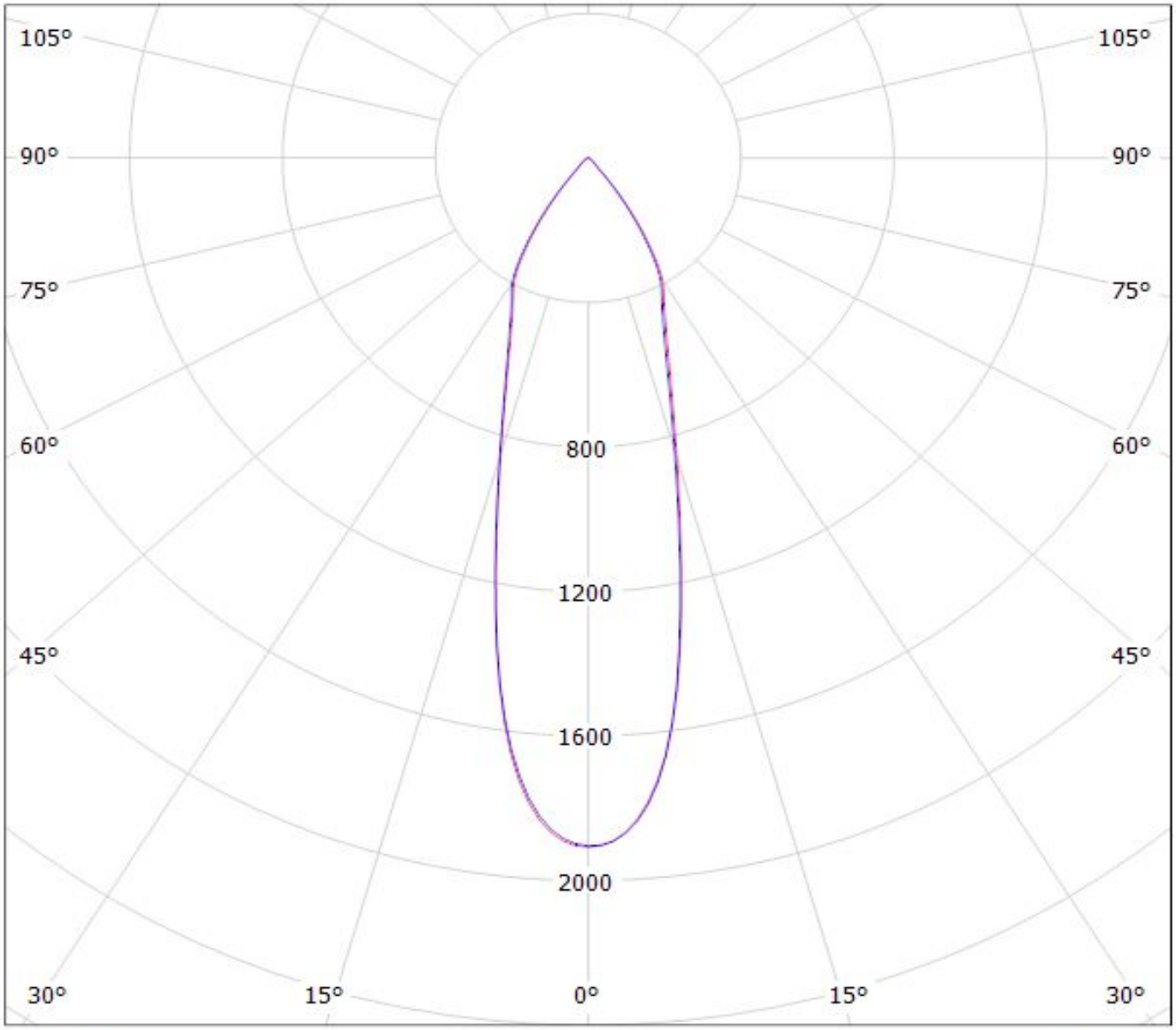
Luminaire: LEDiL Oy FCN13698_ANGELA-M_(Soleriq_S19)_462_Typ_L3)
Lamps: 1 x Osram_Soleriq_S19_(GW_KAHJB1.EM)_1497.37lm@250mA_P=11.1223W_I=0.2532A



Luminaire: Ledil FCN13698_ANGELA-M_(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 FCN13698_ANGELA-M_(VERO29) Eff.83.2%
Lamps: 1 x VERO29_(BXRC-50C10K0-L-04)_1388.09lm@250mA_CCT=1399K_P=8.60286W_I=249.8mA

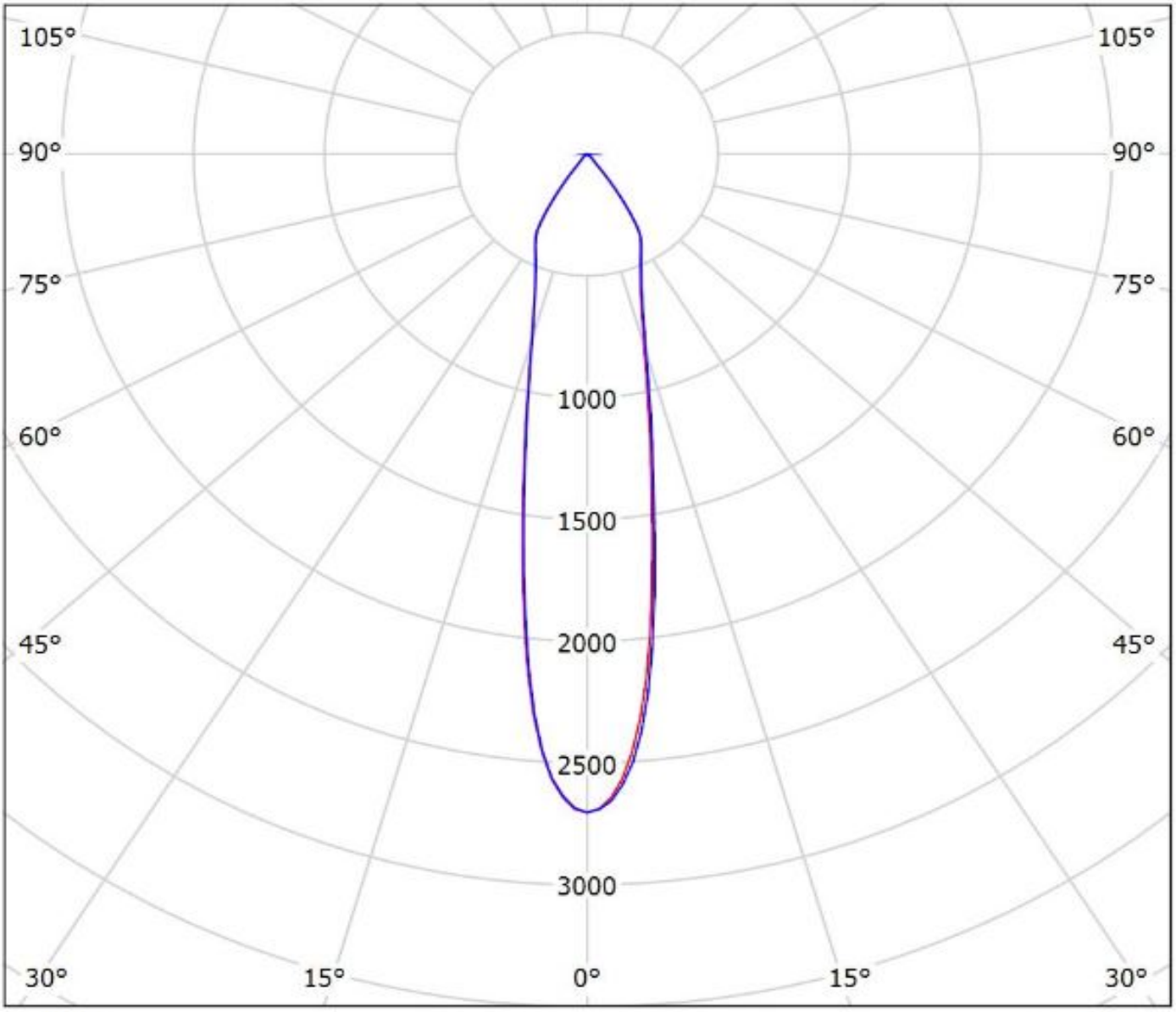


cd/klm

η = 83%

C0 - C180 C90 - C270

Luminaire: Ledil FCN13698_ANGELA-M_(CLU044)_(431_Typ_L3)
Lamps: 1 x Citizen_CLU044_(CLU044-1212B8-303M1A2)_1272.54lm@250mA_P=8.16W_I=0.25A

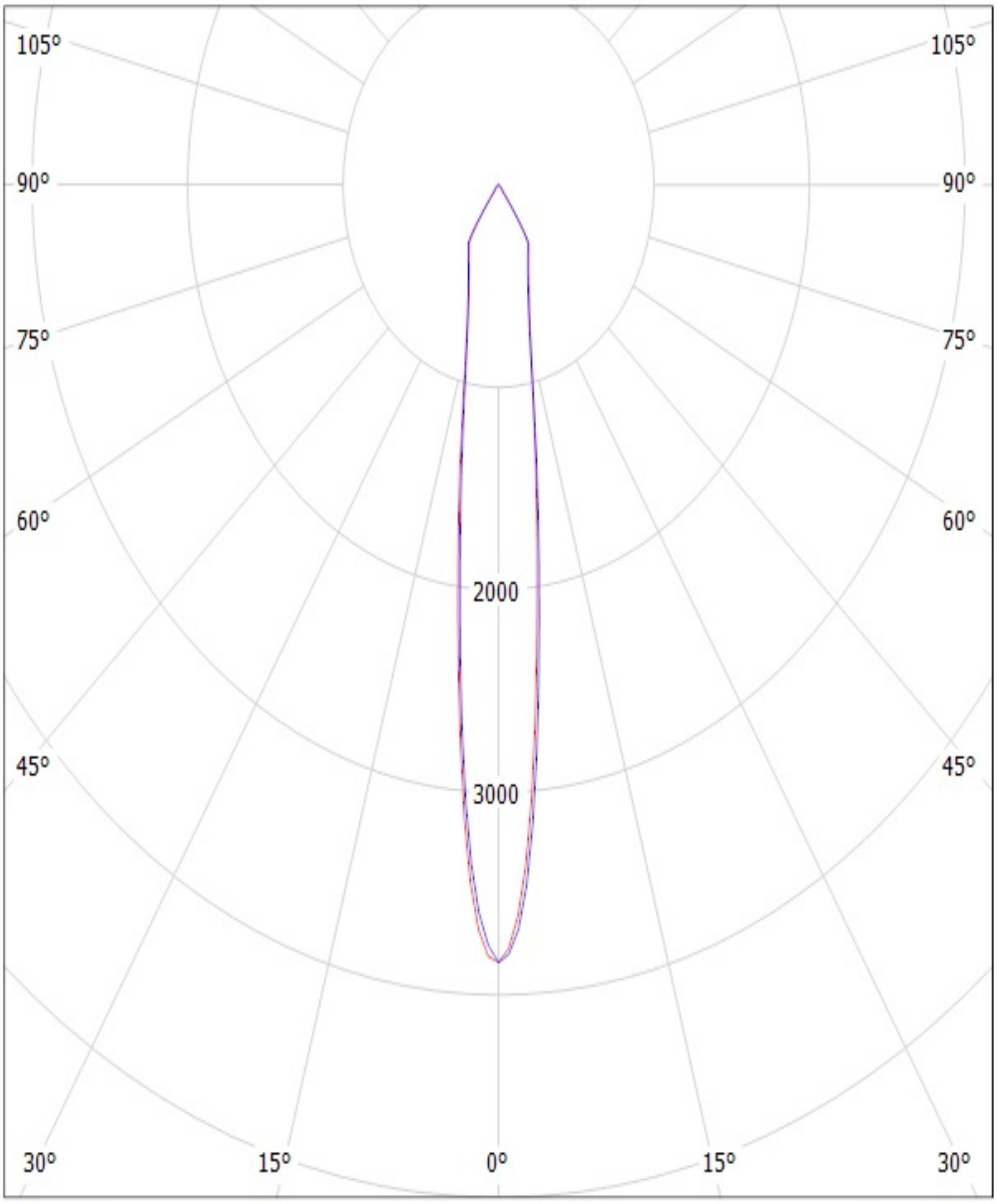


cd/klm

η = 84%

C0 - C180 C90 - C270

Luminaire: LEDiL Oy FCN13698_ANGELA-M_(CLU730)_(471_Typ_L3)
Lamps: 1 x Citizen_CLU730_(CLU730-1210B8-273M2G1)_(C13584_CLAMP-VERO29)_(471_Typ_L3)_1166.91lm@250mA_P=8.09751W_I=0.2499A



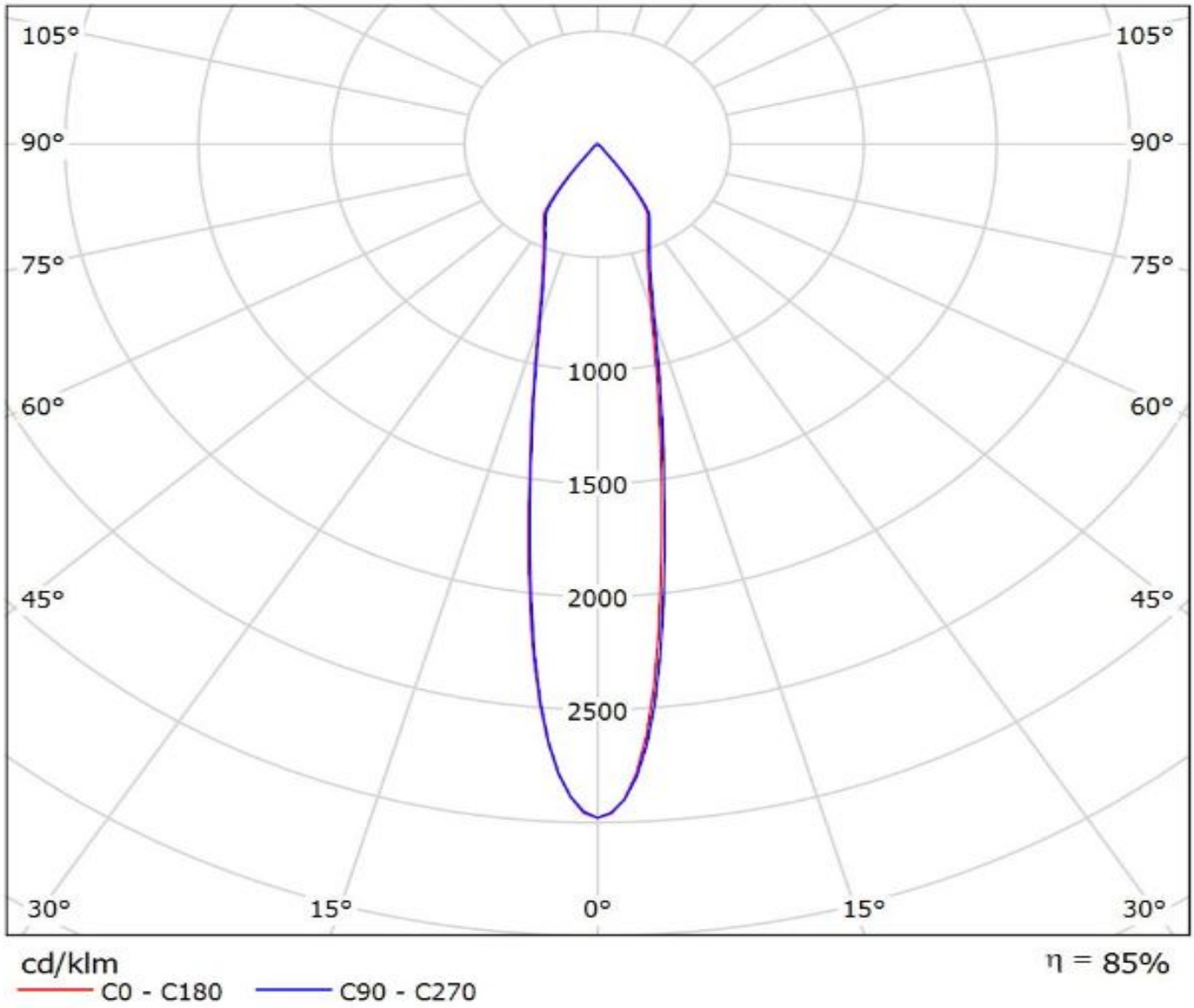
cd/klm

η = 84%

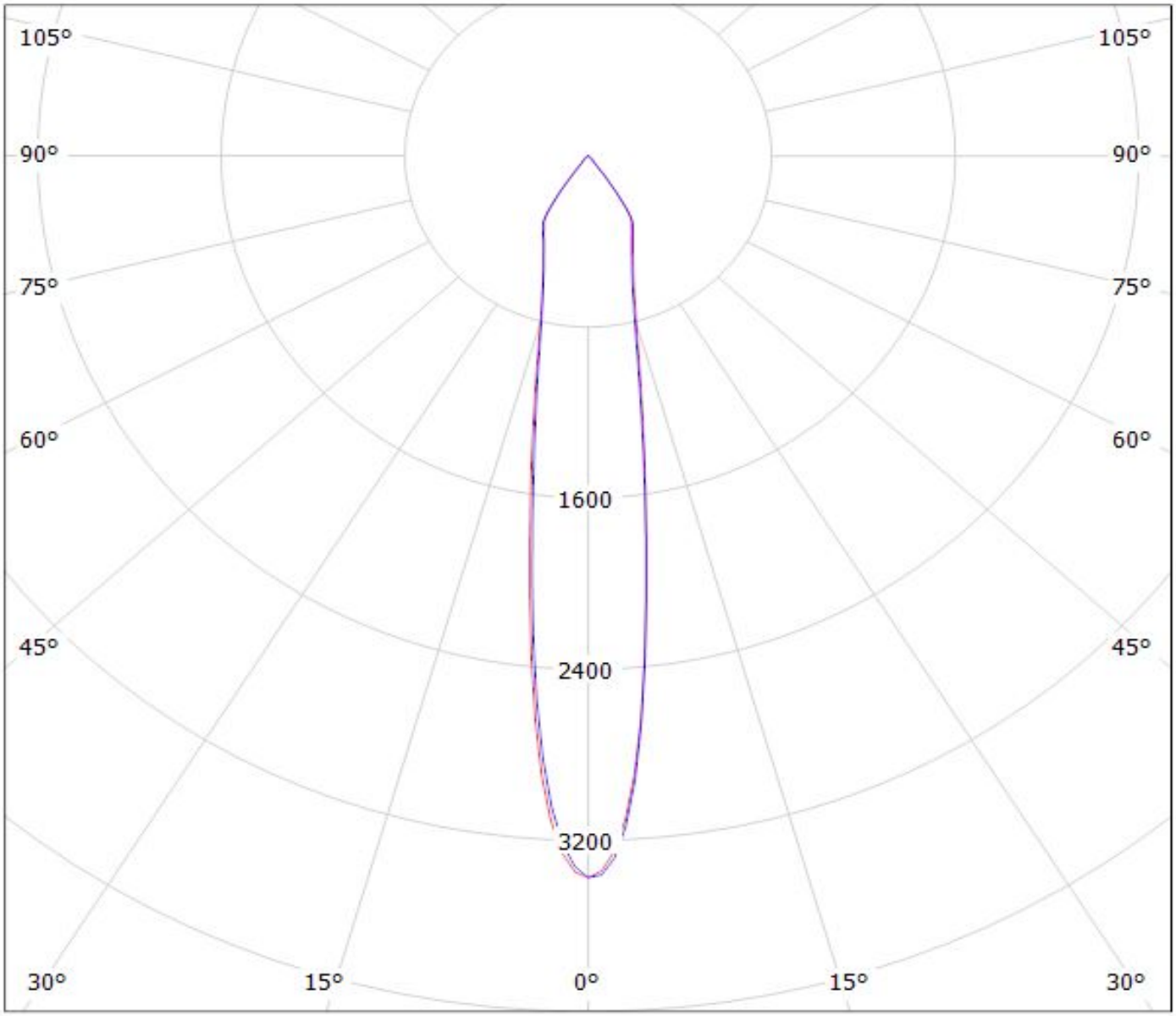
C0 - C180 C90 - C270

LEDiL Oy FCN13698_ANGELA-M_(CoB_1211)_(431_Typ_L3) / LDC (Polar)

Luminaire: LEDiL Oy FCN13698_ANGELA-M_(CoB_1211)_(431_Typ_L3)
Lamps: 1 x [LAMP] Luxeon_CoB_1211_(LHC1-5780-1211)_(431_Typ_L3)_(C13867_LENA-STD-BASE-VERO29)_897.994lm@250mA_P=8W_I=0.25A



Luminaire: LEDiL Oy FCN13698_ANGELA-M_(Soleriq_S19)_462_Typ_L3)
Lamps: 1 x Osram_Soleriq_S19_(GW_KAHJB1.EM)_1497.37lm@250mA_P=11.1223W_I=0.2532A

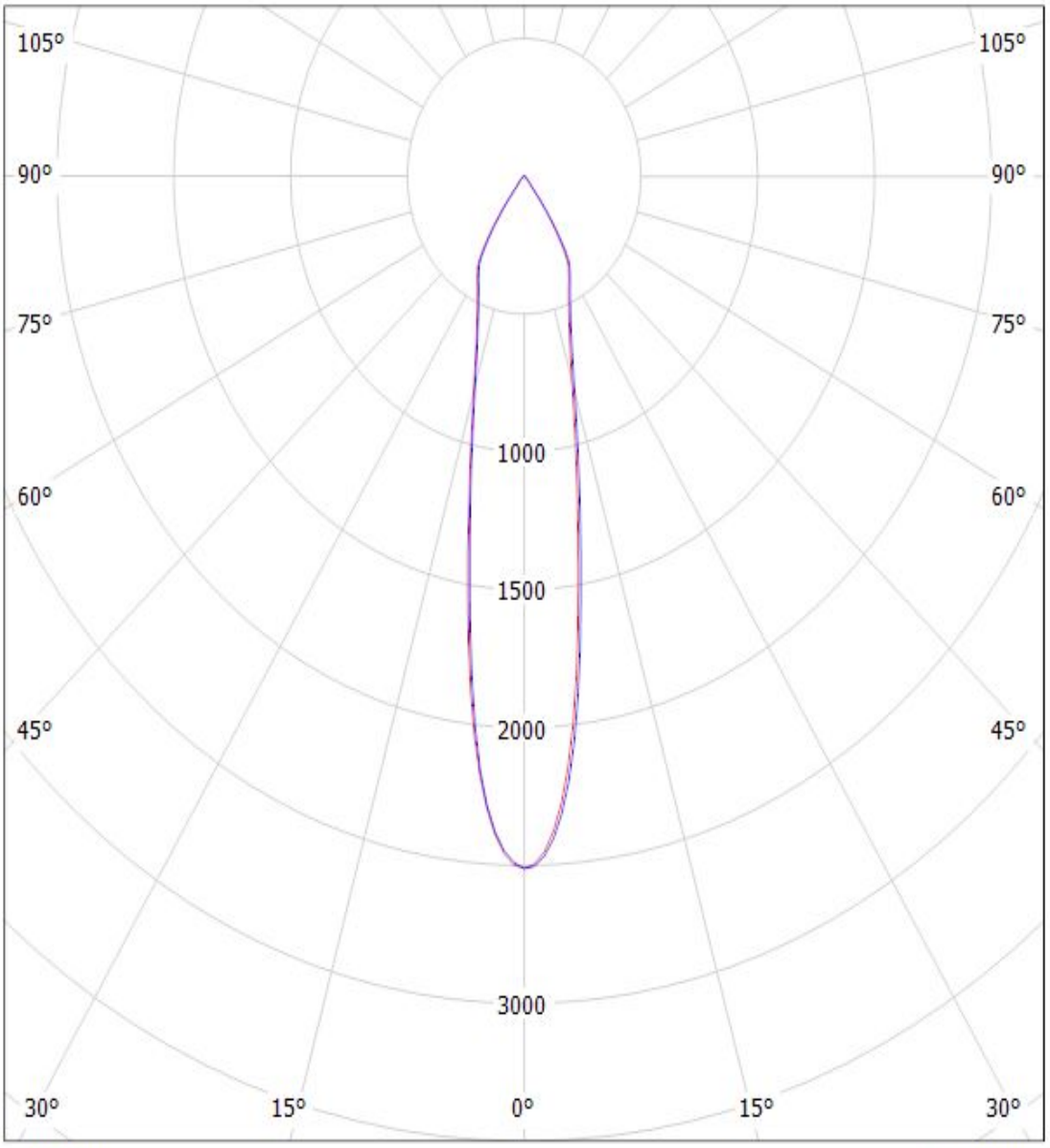


cd/klm

η = 83%

C0 - C180 C90 - C270

Luminaire: Ledil FCN13698_ANGELA-M_(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

η = 82%

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.