

**Ordering number C11811_ANNA-50-6-S**

Family	Anna-50-6	FWHM	15 degrees
Type	Lens array	Efficiency	91 %
LED	Z5M	cd/lm	7.200
Color	Clear	Gerber File	Available
Diameter	50 mm		
Height	10.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Glue, pin		
Status	Ready		

Ordering number C11812_ANNA-50-6-M

Family	Anna-50-6	FWHM	23 degrees
Type	Lens array	Efficiency	88 %
LED	Z5M	cd/lm	3.900
Color	Clear	Gerber File	Available
Diameter	50 mm		
Height	10.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

Ordering number C11813_ANNA-50-6-W

Family	Anna-50-6	FWHM	32 degrees
Type	Lens array	Efficiency	83 %
LED	Z5M	cd/lm	1.800
Color	Clear	Gerber File	Available
Diameter	50 mm		
Height	10.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

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.



PRODUCT DATASHEET
Anna-50-6 series
last update 27/2/2013



GENERAL INFORMATION

- Product series especially designed & optimized for Z5M series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>



Material: PMMA

- Versions:
 Anna-3-S
 Anna-3-M
 Anna-3-W
 Anna-4-S
 Anna-4-M
 Anna-4-W
 Anna-5-S
 Anna-5-M
 Anna-5-W
 Anna-6-S
 Anna-6-M
 Anna-6-W
 Anna-7-S
 Anna-7-M
 Anna-7-W

Number of cones varies;
 3, 4, 5, 6 and 7 pcs
 on bottom side depending
 the version.

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DRAWING TITLE

DRAWN BY p		DATE 05.10.2010		Datasheet Anna50-series Lens			
CHECKED BY t k		DATE 03.08.2010					
DESIGNED BY hh		DATE 30.07.2010		SCALE 1:1	WEIGHT (g)	SHEET 1/1	

4

4

3

3

2

2

1

1

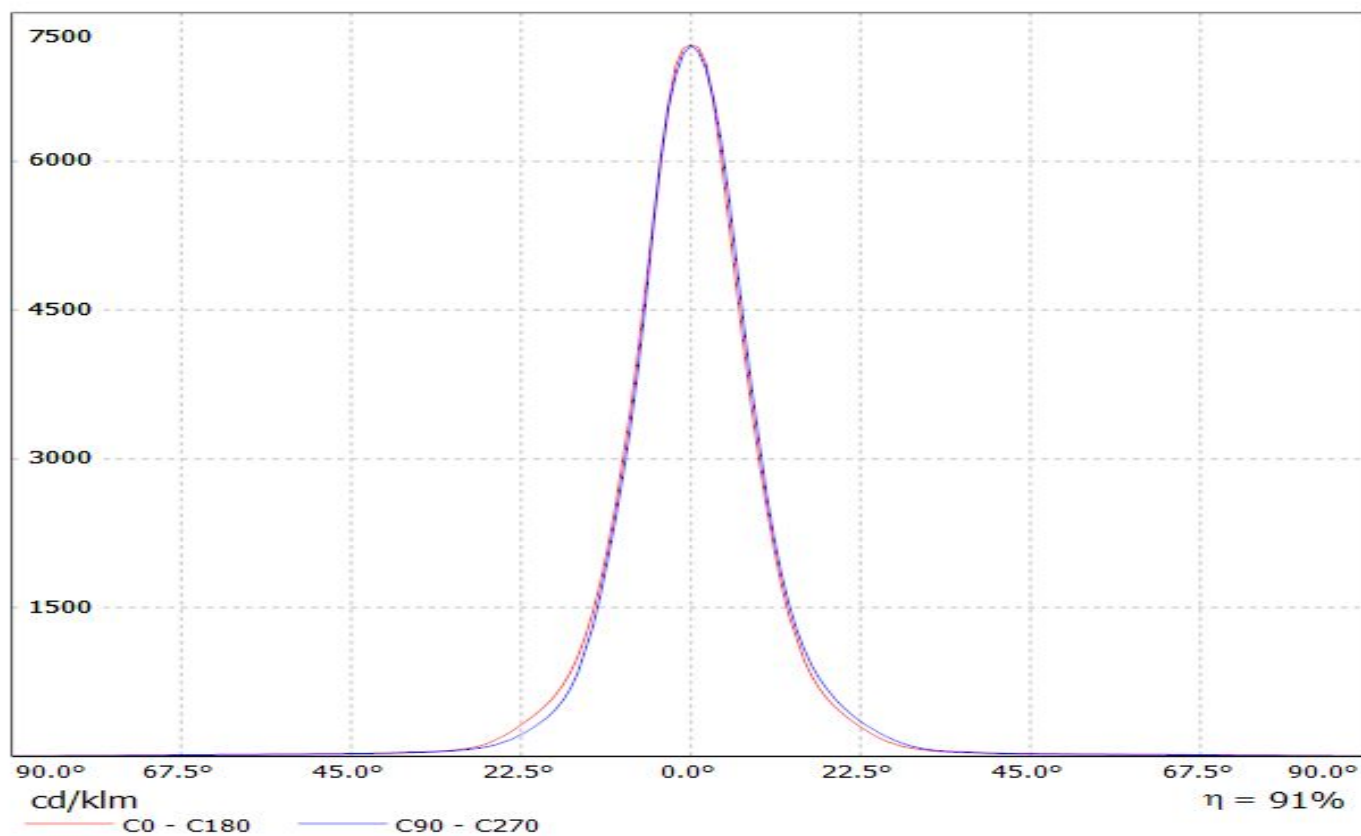
D

A

LEDiL Oy C11811_ANNA-50-6-S_(SEOUL_SZ5) 90.9% / LDC (Linear)

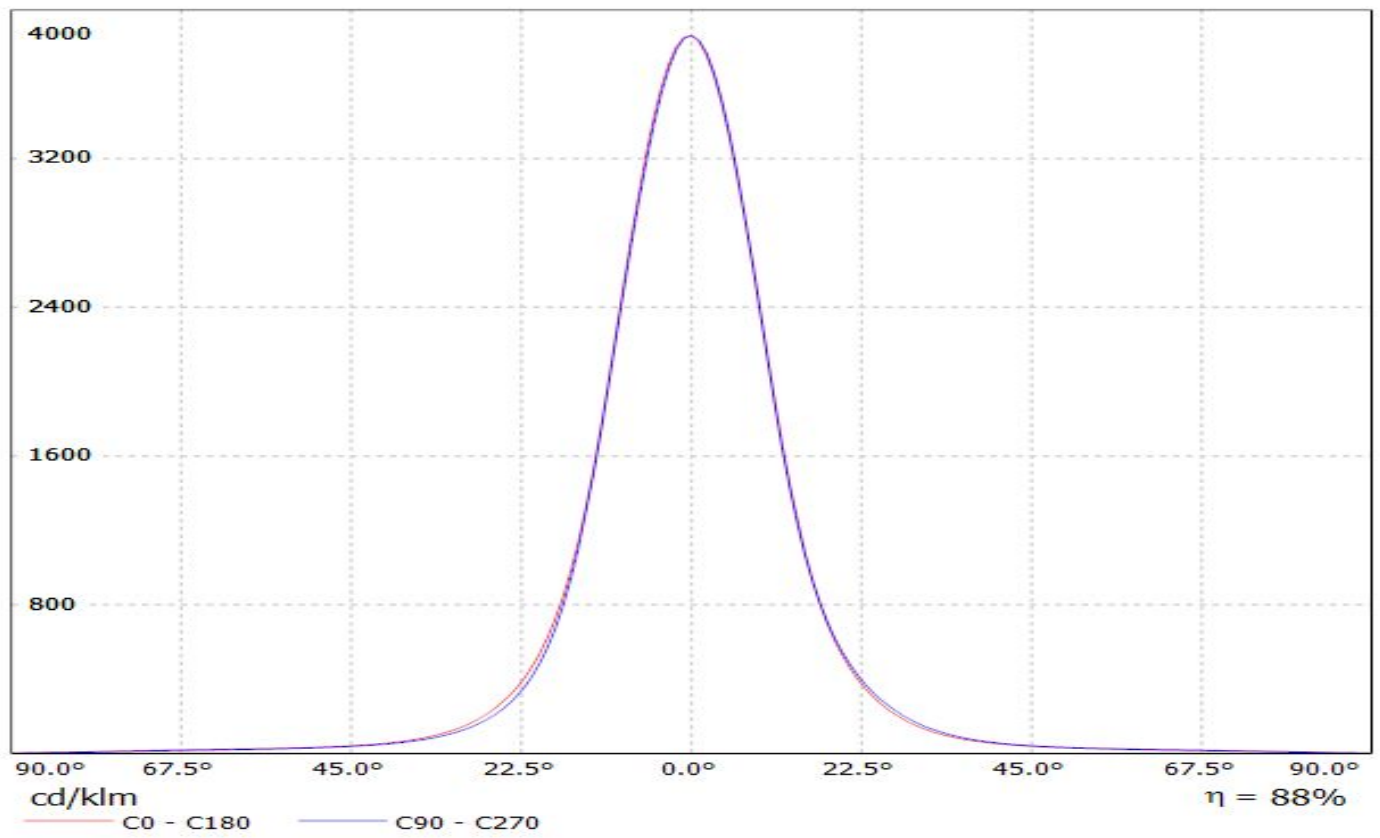
Luminaire: LEDiL Oy C11811_ANNA-50-6-S_(SEOUL_SZ5) 90.9%

Lamps: 1 x SEOUL_SZ5 (526.235lm@250mA)



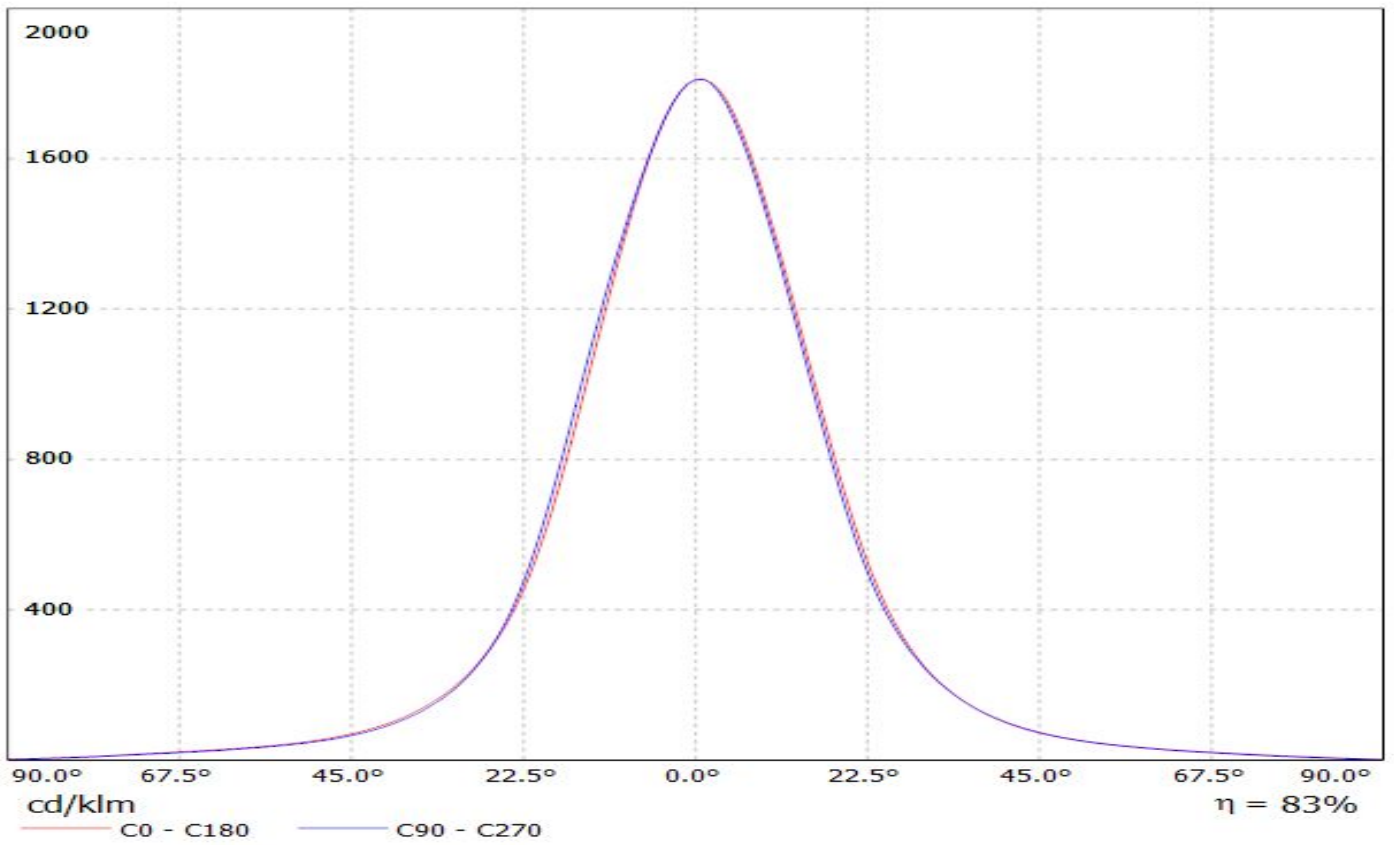
LEDiL Oy C11812_ANNA-50-6-M_(SEOUL_SZ5) Eff.87.6% / LDC (Linear)

Luminaire: LEDiL Oy C11812_ANNA-50-6-M_(SEOUL_SZ5) Eff.87.6%
Lamps: 1 x SEOUL_SZ5 (526.235lm@250mA)



LEDiL Oy C11813_ANNA-50-6-W_(SEOUL_SZ5) Eff.83.1% / LDC (Linear)

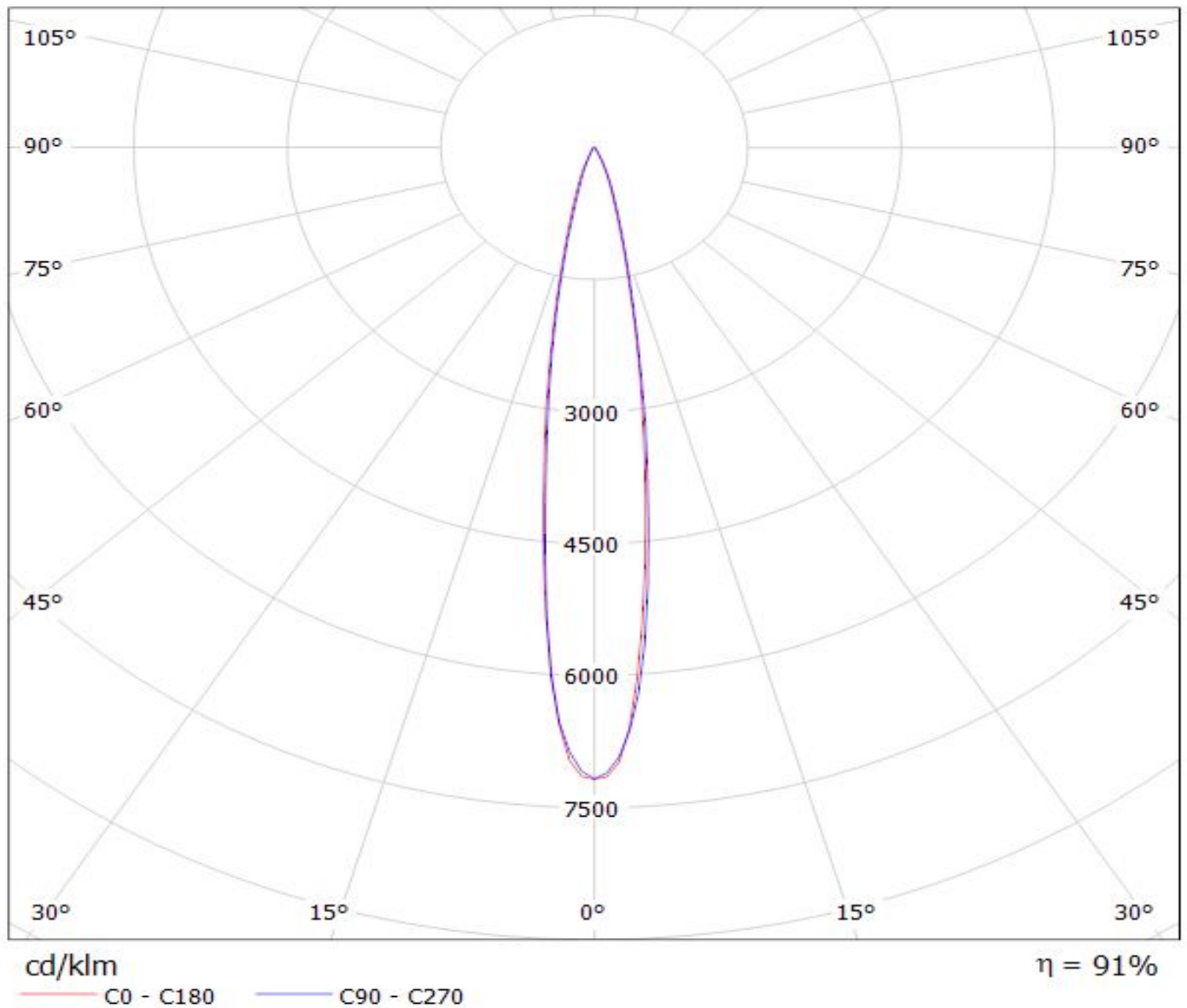
Luminaire: LEDiL Oy C11813_ANNA-50-6-W_(SEOUL_SZ5) Eff.83.1%
Lamps: 1 x SEOUL_SZ5 (526.235lm@250mA)



LEDiL Oy C11811_ANNA-50-6-S_(SEOUL_SZ5) 90.9% / LDC (Polar)

Luminaire: LEDiL Oy C11811_ANNA-50-6-S_(SEOUL_SZ5) 90.9%

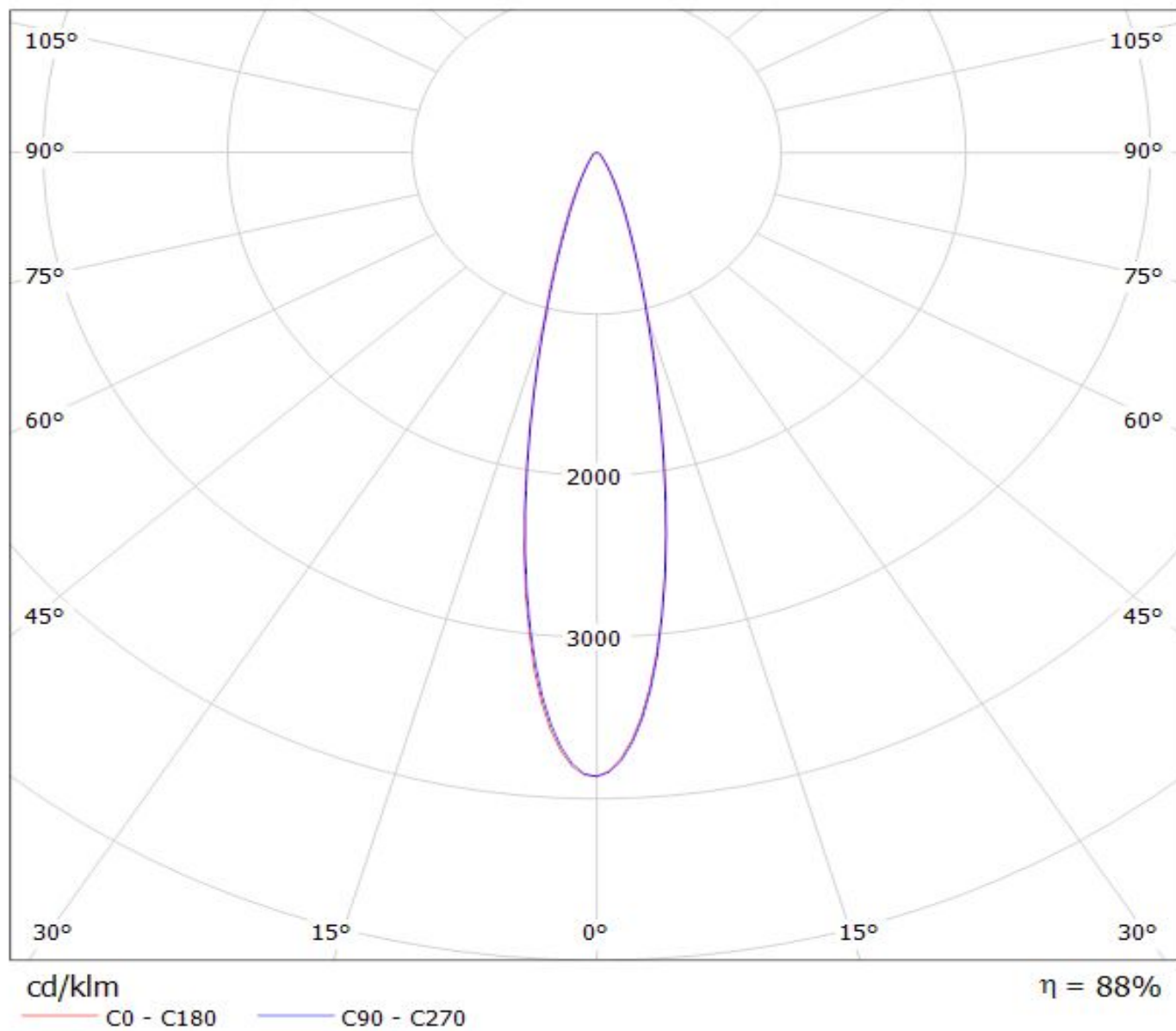
Lamps: 1 x SEOUL_SZ5 (526.235lm@250mA)



LEDiL Oy C11812_ANNA-50-6-M_(SEOUL_SZ5) Eff.87.6% / LDC (Polar)

Luminaire: LEDiL Oy C11812_ANNA-50-6-M_(SEOUL_SZ5) Eff.87.6%

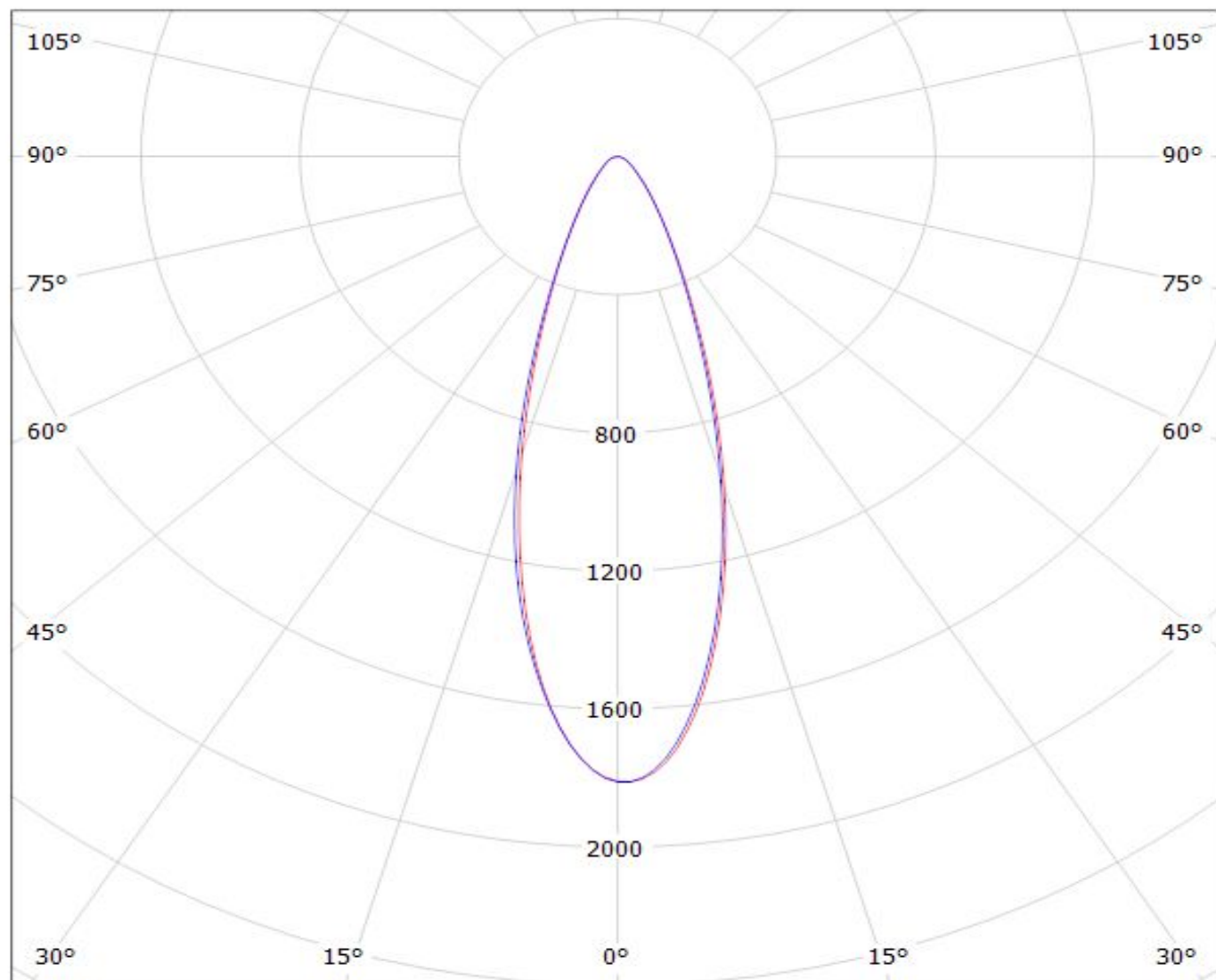
Lamps: 1 x SEOUL_SZ5 (526.235lm@250mA)



LEDiL Oy C11813_ANNA-50-6-W_(SEOUL_SZ5) Eff.83.1% / LDC (Polar)

Luminaire: LEDiL Oy C11813_ANNA-50-6-W_(SEOUL_SZ5) Eff.83.1%

Lamps: 1 x SEOUL_SZ5 (526.235lm@250mA)



cd/klm

— C0 - C180

— C90 - C270

$\eta = 83\%$