

**Ordering number C12285_ANGIE-S**

Family	Angie	FWHM	15 degrees
Type	Lens array	Efficiency	93 %
LED	LUXEON T	cd/lm	7.600
Color	Clear	Gerber File	Available
Diameter	34 mm		
Height	10.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	On production		

**Ordering number C12286_ANGIE-M**

Family	Angie	FWHM	22 degrees
Type	Lens array	Efficiency	90 %
LED	LUXEON T	cd/lm	4.400
Color	Clear	Gerber File	Available
Diameter	34 mm		
Height	10.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	On production		

**Ordering number C12287_ANGIE-M2**

Family	Angie	FWHM	27 degrees
Type	Lens array	Efficiency	88 %
LED	LUXEON T	cd/lm	2.900
Color	Clear	Gerber File	Available
Diameter	34 mm		
Height	10.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	On production		

**Ordering number C12288_ANGIE-W**

Family	Angie	FWHM	29 degrees
Type	Lens array	Efficiency	87 %
LED	LUXEON T	cd/lm	2.200
Color	Clear	Gerber File	Available
Diameter	34 mm		
Height	10.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	On production		



PRODUCT DATASHEET
Angie series
last update 21/1/2013

PHILIPS
LUMILEDS

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

Angie series

last update 21/1/2013

PHILIPS
LUMILEDS

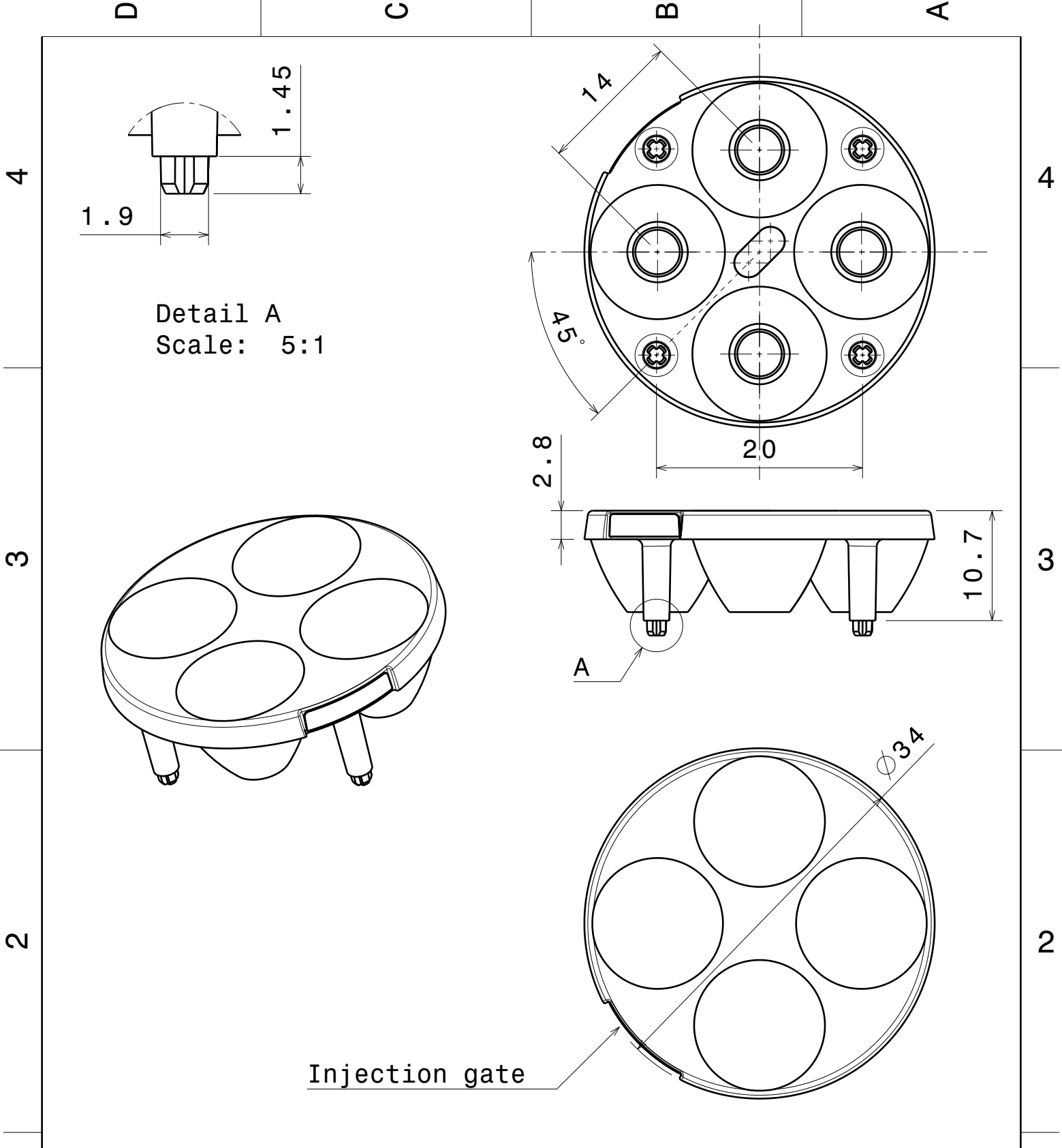
GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON T 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>



Detail A
Scale: 5:1

Injection gate

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Ledil Oy
Salorankatu 10
FIN-24240 SALO
Finland

DRAWING TITLE

Angie-series mechanical drawing

DRAWN BY pl		DATE 22.09.2011		SIZE A4		DRAWING NUMBER ----		REV -	
CHECKED BY --		DATE --		SCALE 2:1		WEIGHT (g)		SHEET 1/1	
DESIGNED BY pl		DATE 02.09.2011							

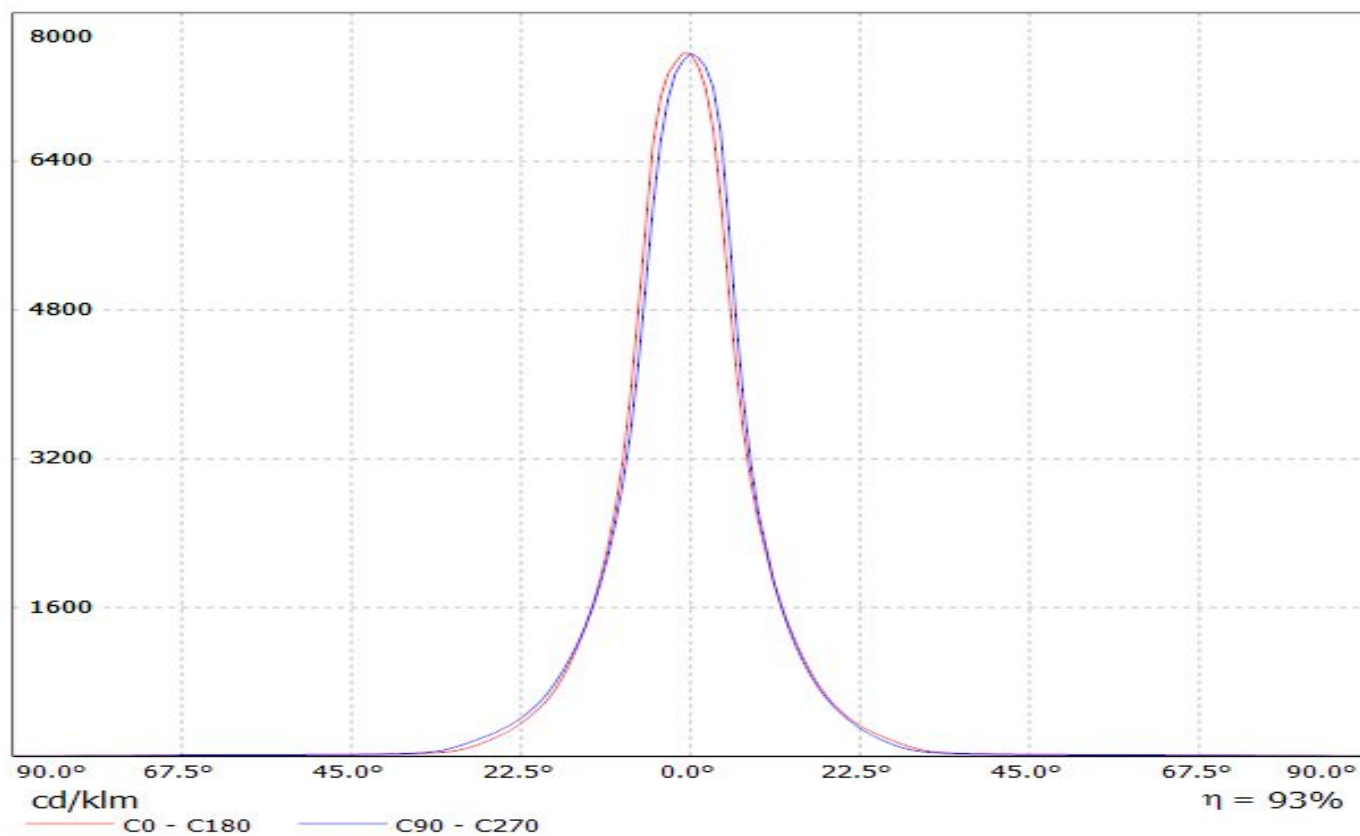
D

A

LEDiL Oy C12285_ANGIE-S_(LUXEON_T)_3 Eff.93.2% / LDC (Linear)

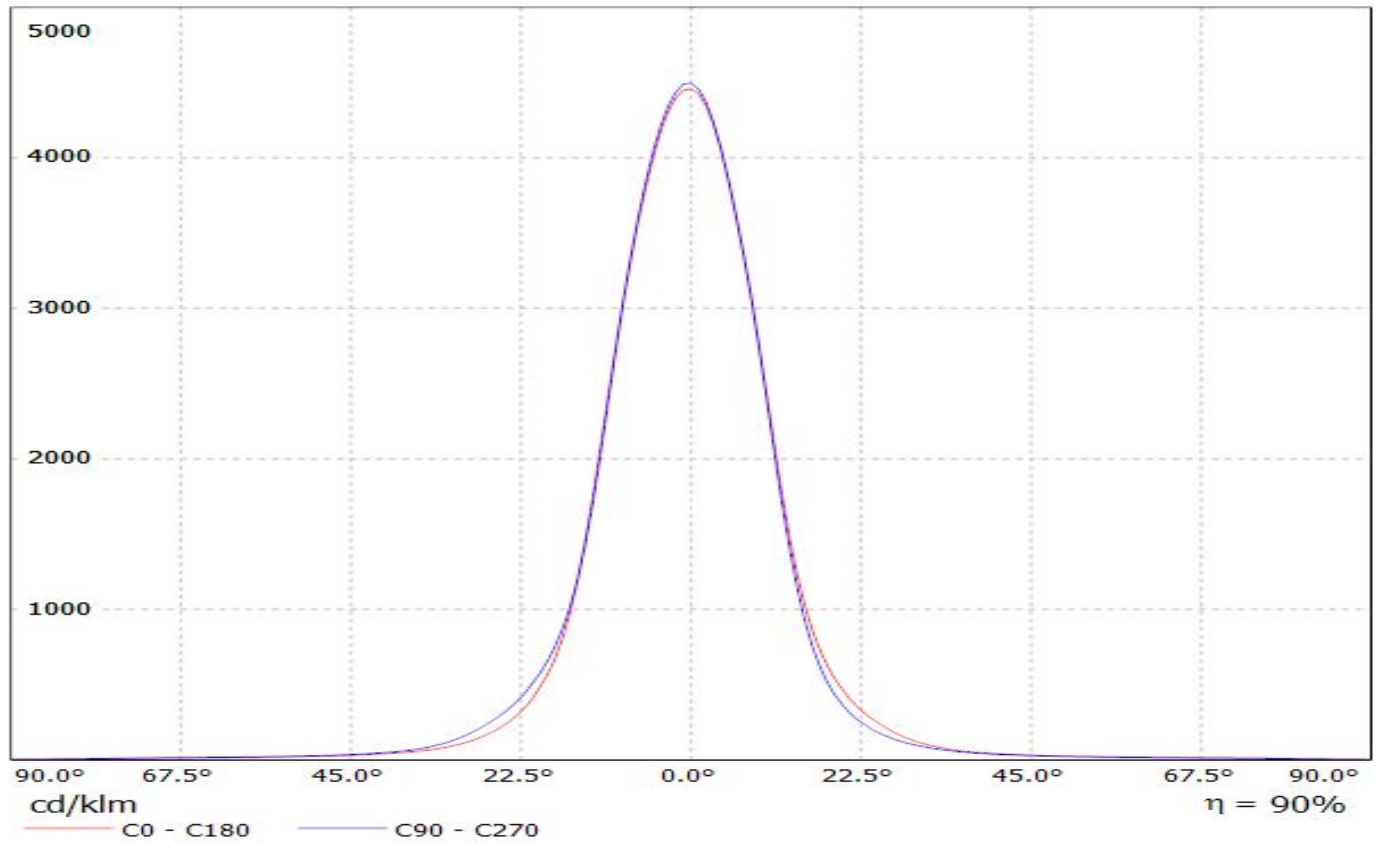
Luminaire: LEDiL Oy C12285_ANGIE-S_(LUXEON_T)_3 Eff.93.2%

Lamps: 1 x LUXEON_T (292lm@250mA)



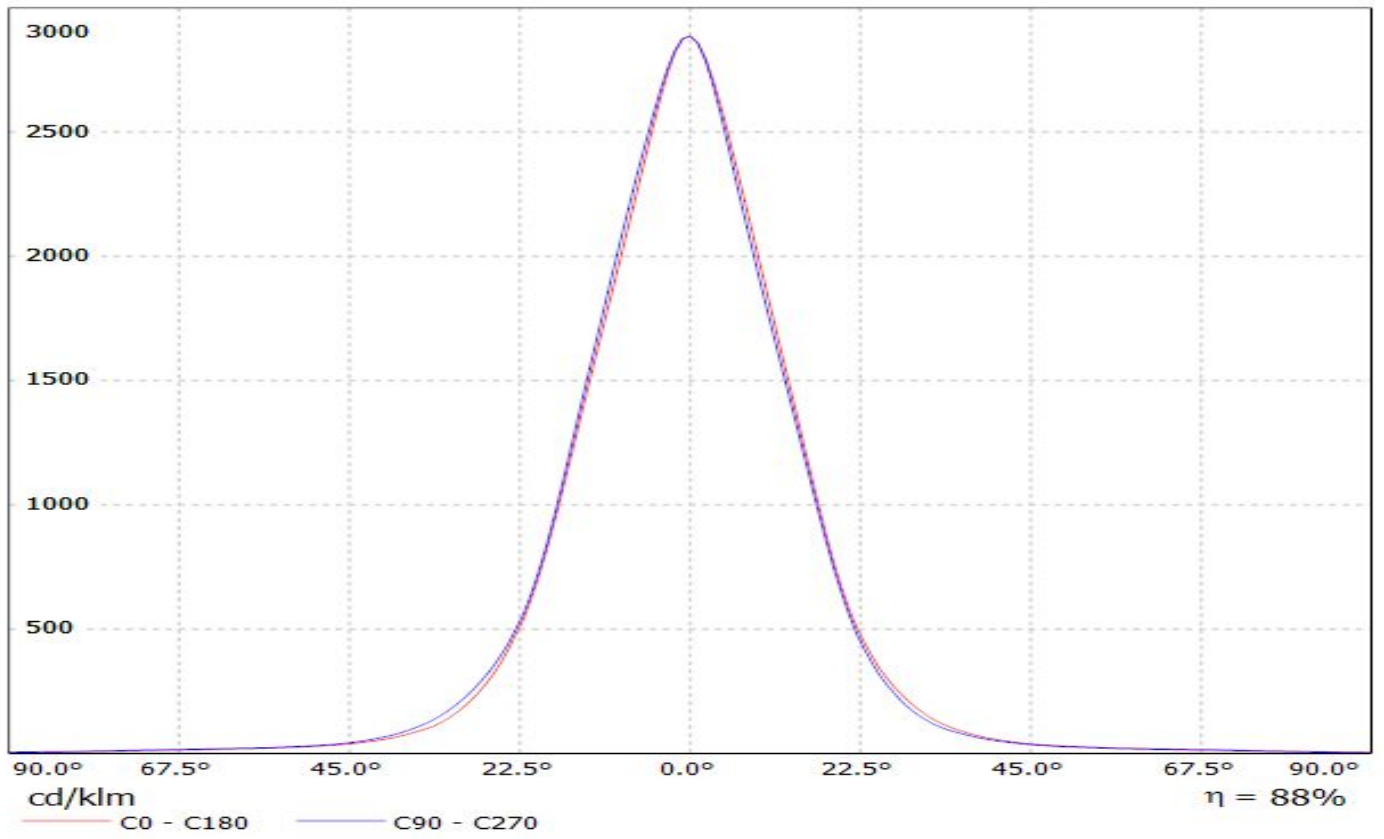
LEDiL Oy C12286_ANGIE-M_(LUXEON_T)_2 Eff.90.2% / LDC (Linear)

Luminaire: LEDiL Oy C12286_ANGIE-M_(LUXEON_T)_2 Eff.90.2%
Lamps: 1 x LUXEON_T (292lm@250mA)



LEDiL Oy C12287_ANGIE-M2_(LUXEON_T)_3 Eff.88.4% / LDC (Linear)

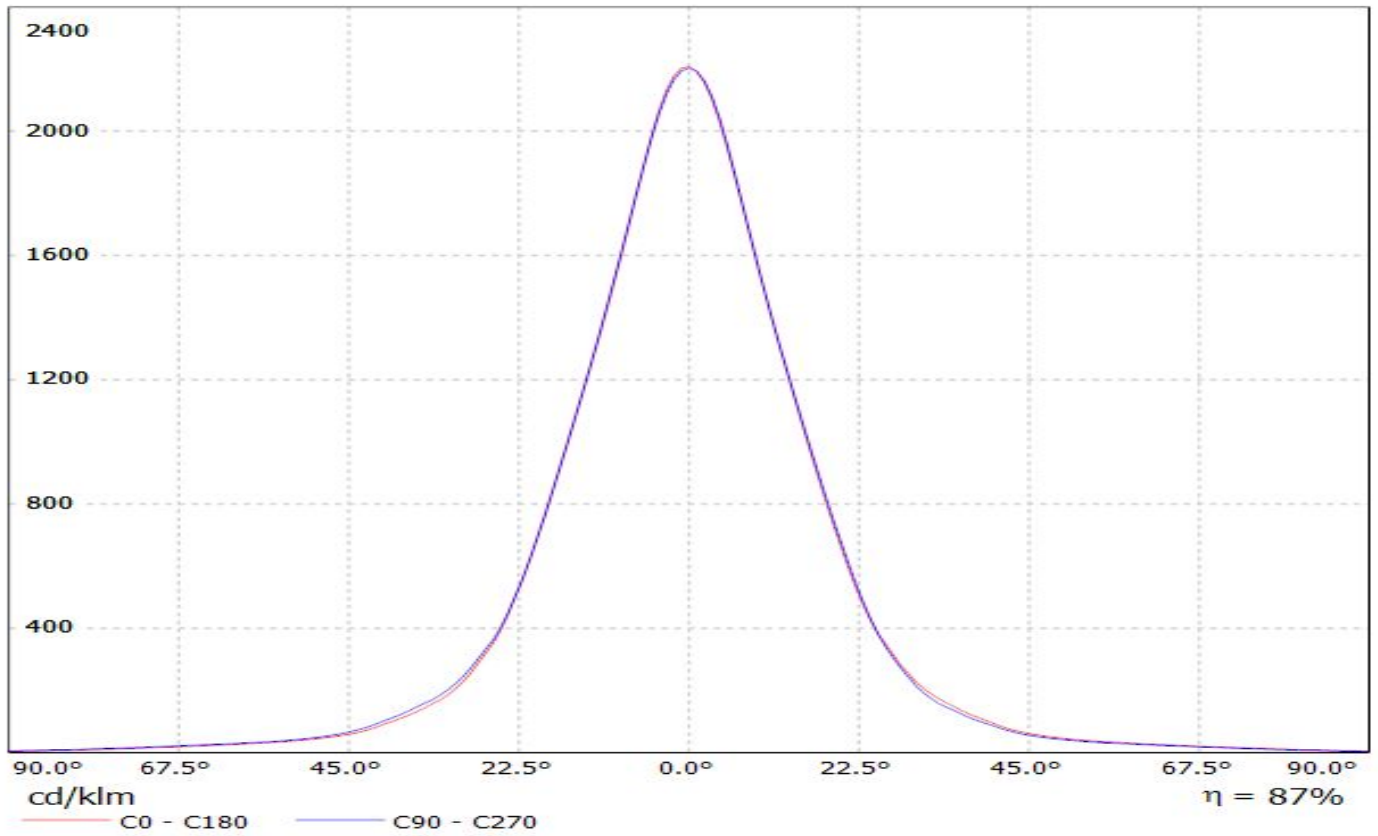
Luminaire: LEDiL Oy C12287_ANGIE-M2_(LUXEON_T)_3 Eff.88.4%
Lamps: 1 x LUXEON_T (292lm@250mA)



LEDiL Oy C12288_ANGIE-W_(LUXEON_T)_1 Eff.86.8% / LDC (Linear)

Luminaire: LEDiL Oy C12288_ANGIE-W_(LUXEON_T)_1 Eff.86.8%

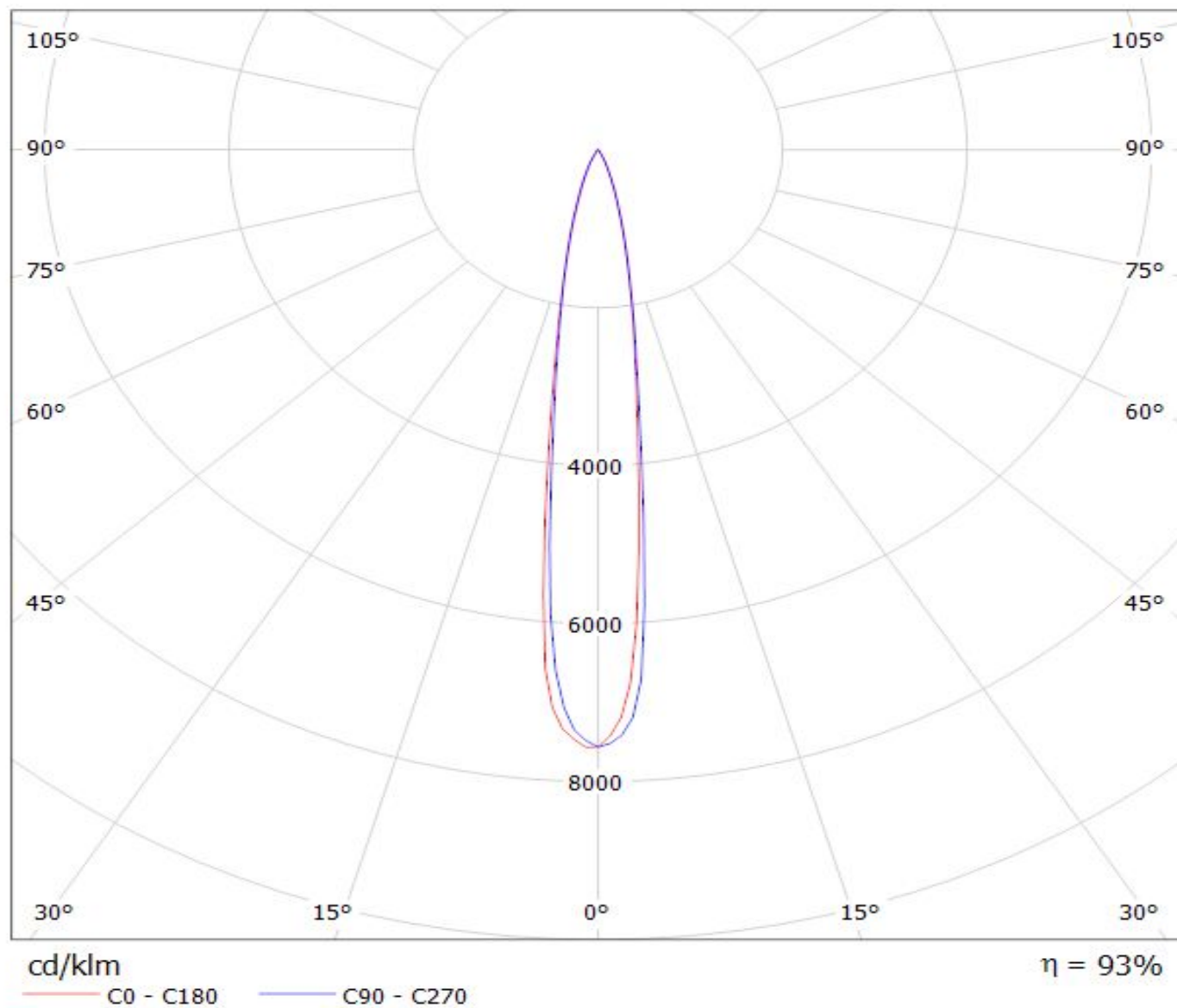
Lamps: 1 x LUXEON_T (292lm@250mA)



LEDiL Oy C12285_ANGIE-S_(LUXEON_T)_3 Eff.93.2% / LDC (Polar)

Luminaire: LEDiL Oy C12285_ANGIE-S_(LUXEON_T)_3 Eff.93.2%

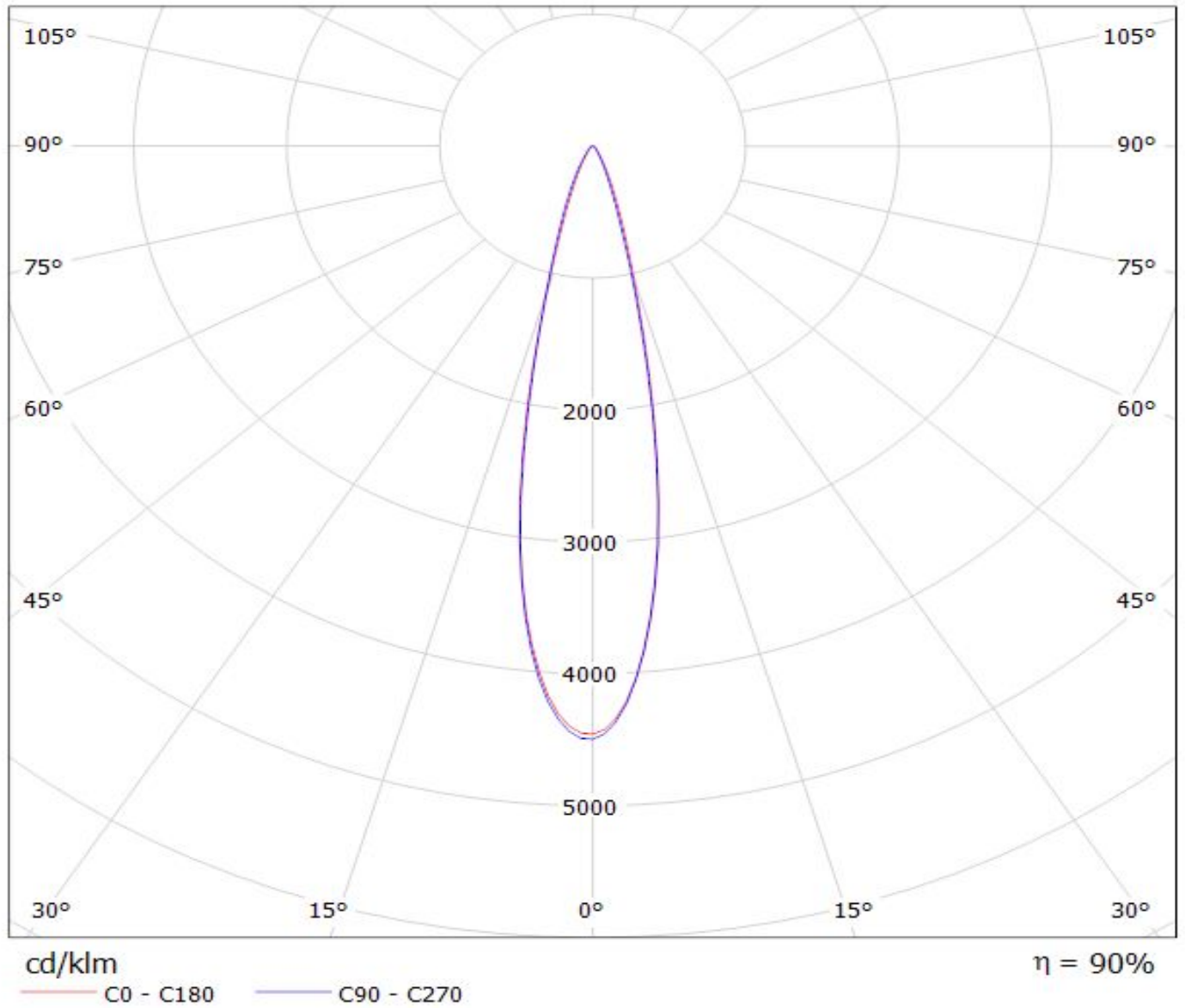
Lamps: 1 x LUXEON_T (292lm@250mA)



LEDiL Oy C12286_ANGIE-M_(LUXEON_T)_2 Eff.90.2% / LDC (Polar)

Luminaire: LEDiL Oy C12286_ANGIE-M_(LUXEON_T)_2 Eff.90.2%

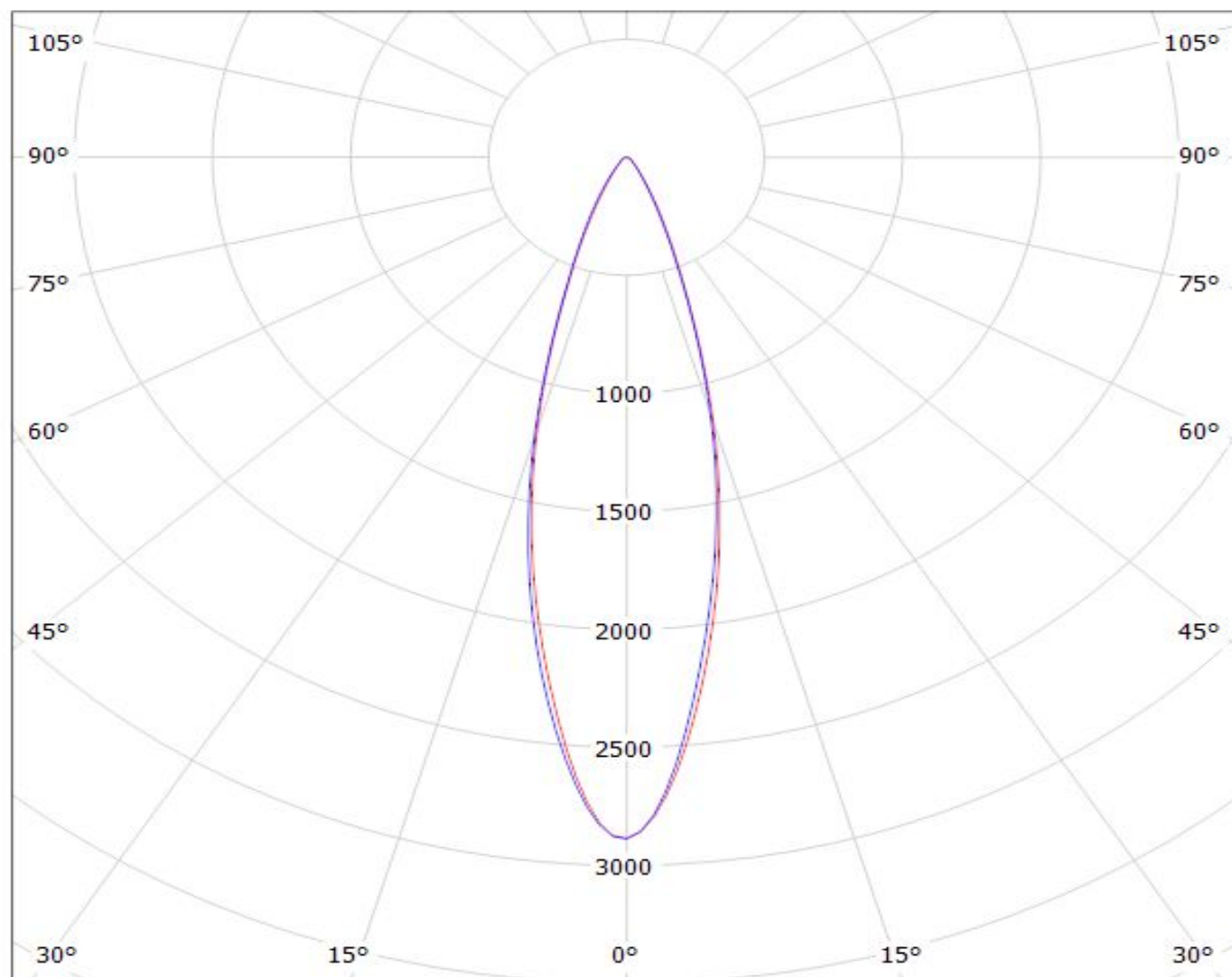
Lamps: 1 x LUXEON_T (292lm@250mA)



LEDiL Oy C12287_ANGIE-M2_(LUXEON_T)_3 Eff.88.4% / LDC (Polar)

Luminaire: LEDiL Oy C12287_ANGIE-M2_(LUXEON_T)_3 Eff.88.4%

Lamps: 1 x LUXEON_T (292lm@250mA)



cd/klm

— C0 - C180

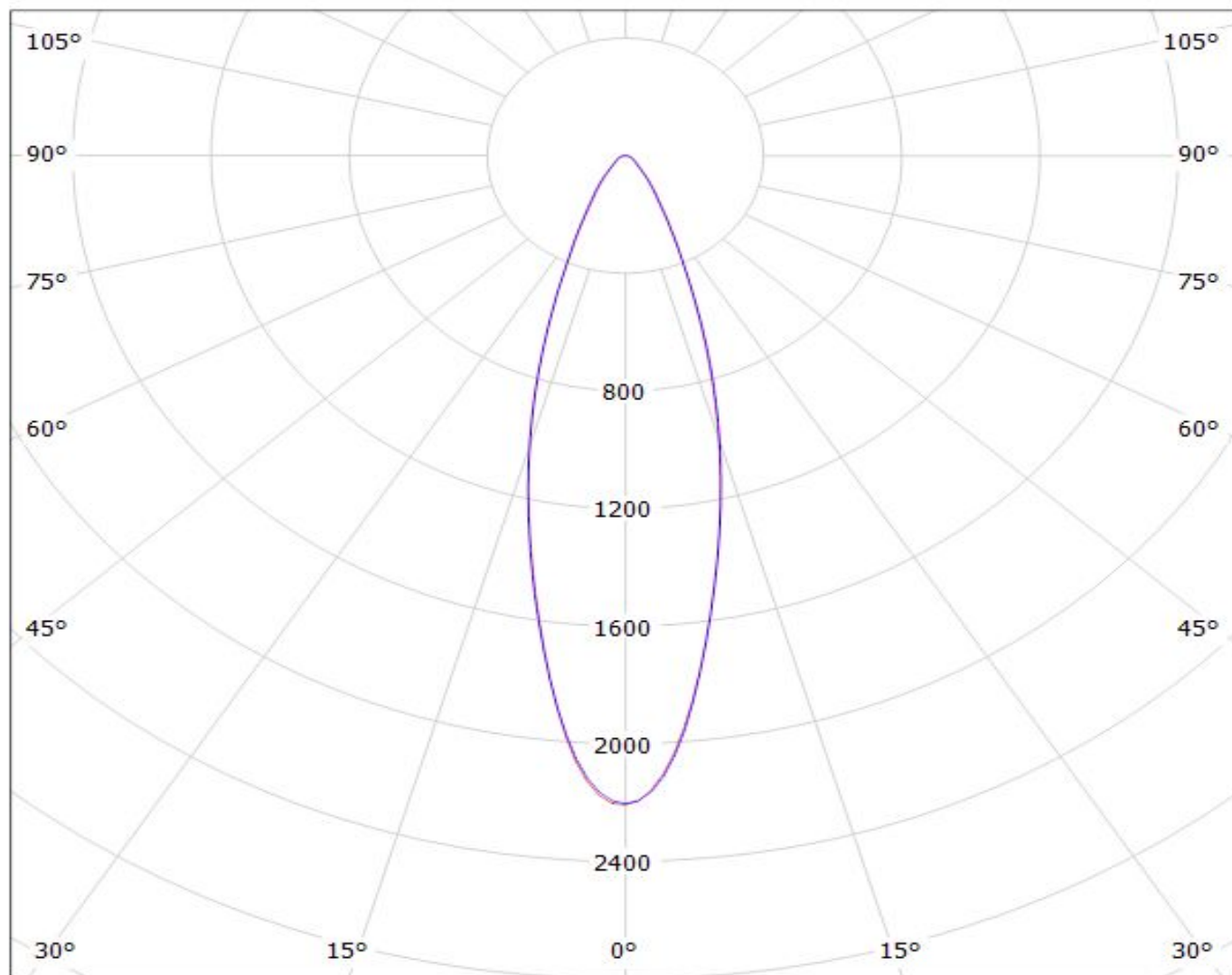
— C90 - C270

$\eta = 88\%$

LEDiL Oy C12288_ANGIE-W_(LUXEON_T)_1 Eff.86.8% / LDC (Polar)

Luminaire: LEDiL Oy C12288_ANGIE-W_(LUXEON_T)_1 Eff.86.8%

Lamps: 1 x LUXEON_T (292lm@250mA)



cd/klm

— C0 - C180

— C90 - C270

$\eta = 87\%$