



# PRODUCT DATASHEET

## Brooke series

last update 13/8/2014

### DETAILS

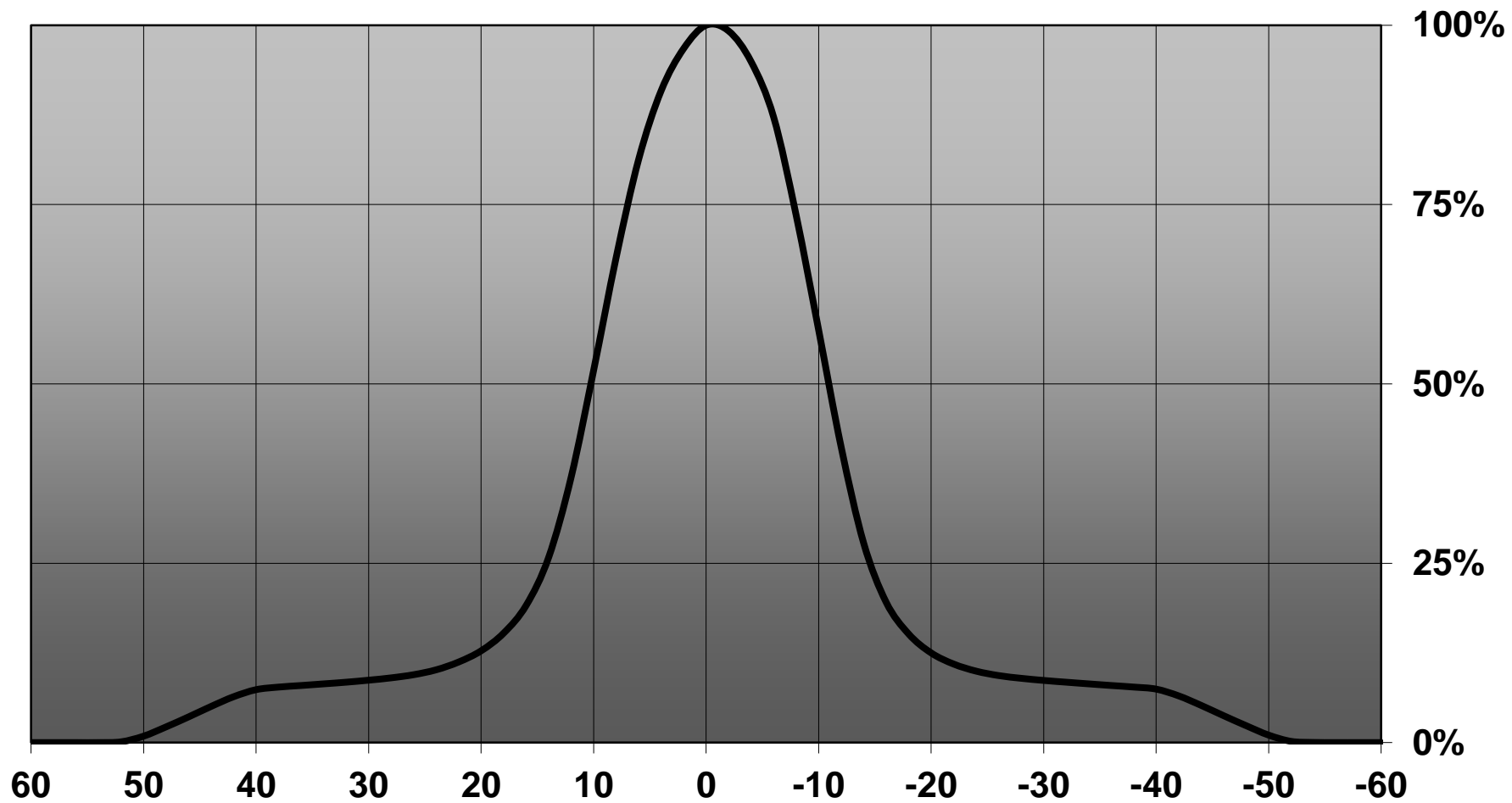
<b>Product Number</b>	CA11182_BROOKE-M
<b>Family</b>	Brooke
<b>Type</b>	RefAssy
<b>Color</b>	metal
<b>Diameter</b>	45 mm
<b>Height</b>	21,1 mm
<b>Style</b>	round
<b>Optic Material</b>	
<b>Holder Material</b>	
<b>Fastening</b>	tape
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	13/08/2014



### OPTICAL PROPERTIES

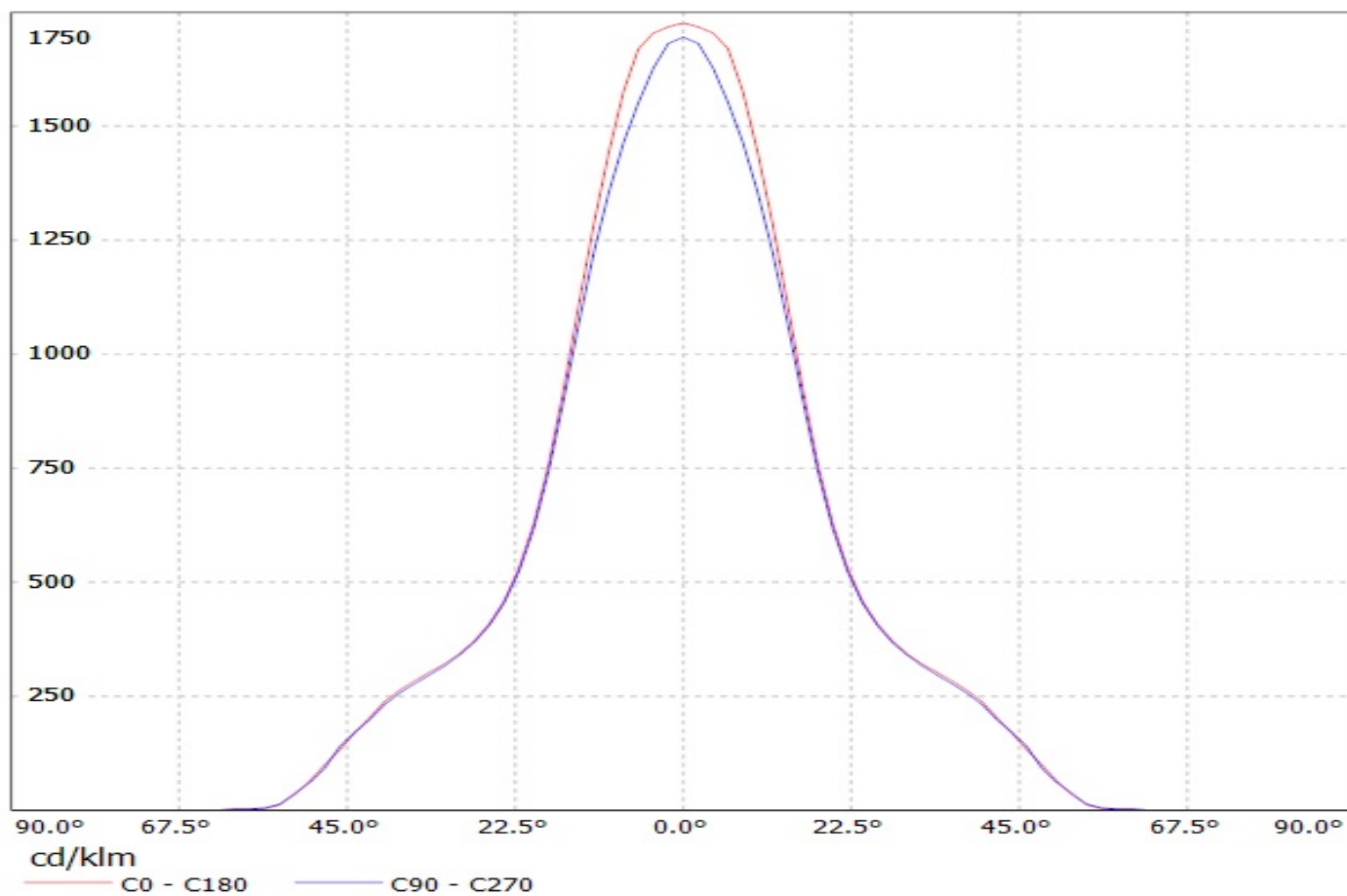
LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
BXRA ES Rectangle	32 deg	Medium	93 %	-	-
VERO10	21 deg	Medium	92 %	3.700	LEDiL: LEDiL
XHP70	26 deg	Medium	94 %	2.400	-

# Relative intensity of CX14451\_BROOKE-M\_(VERO10)

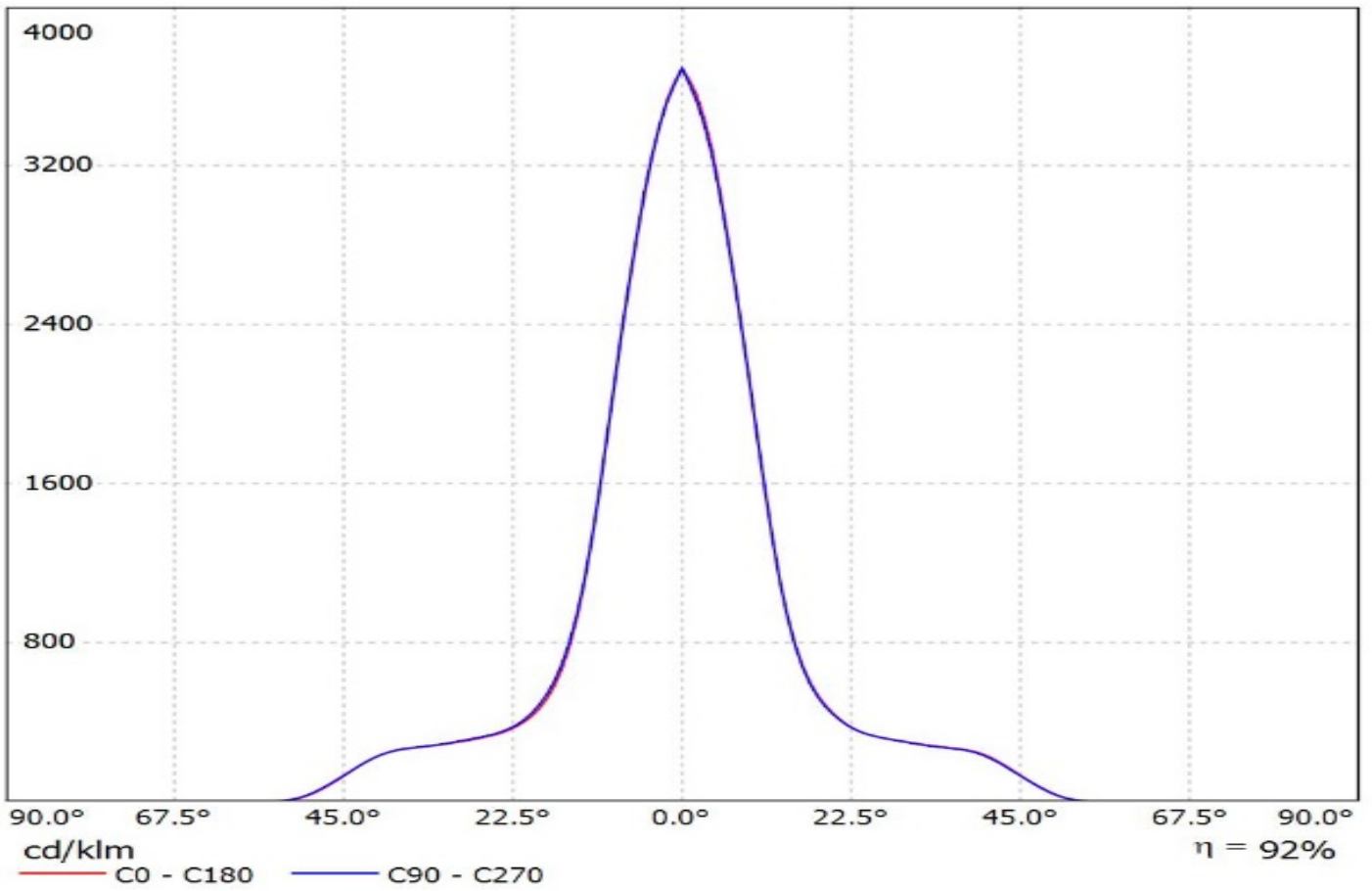


— 1: 0-180

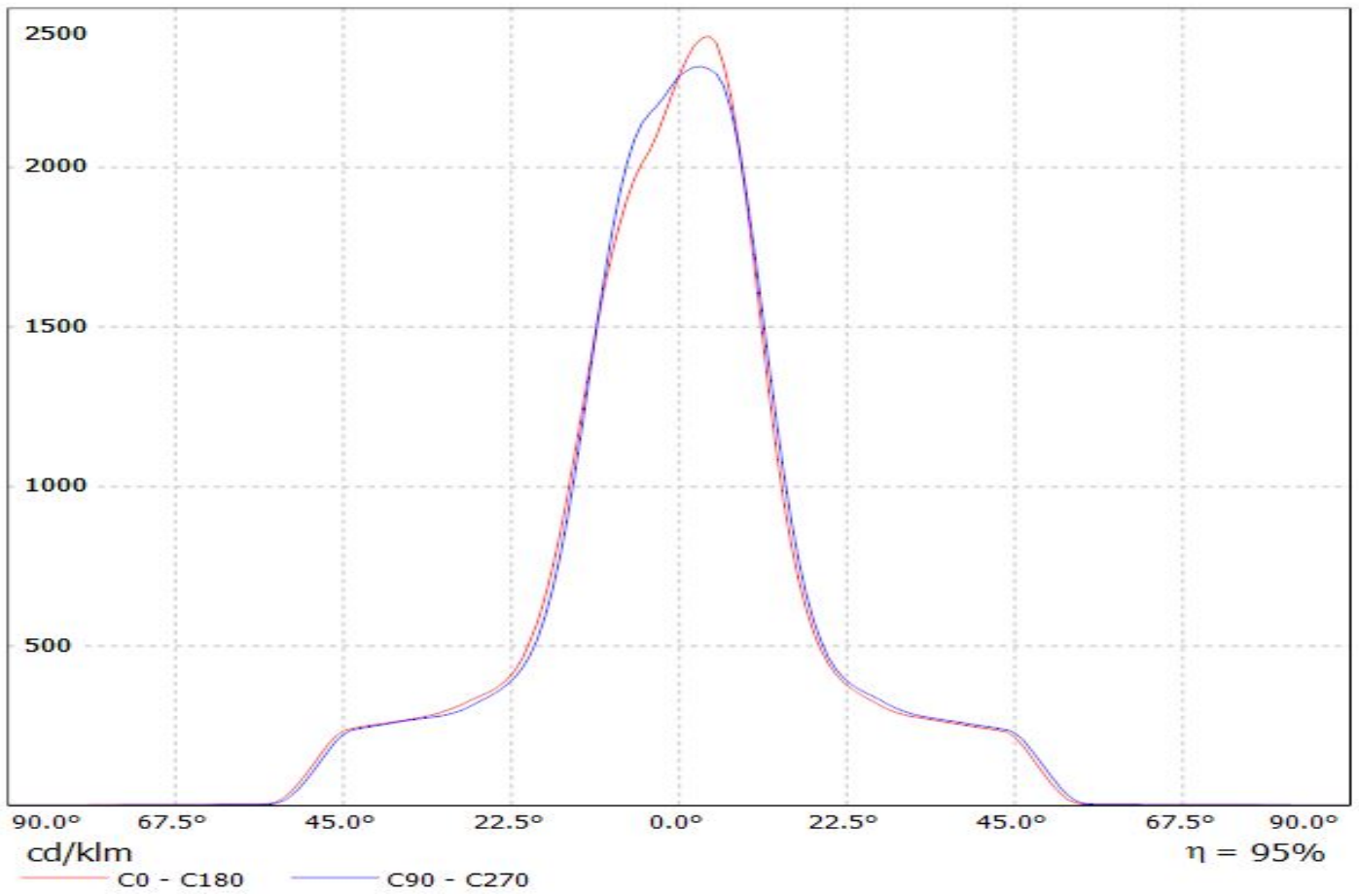
Luminaire: Ledil Oy CA11182\_Brooke-M CA11182\_Brooke-M  
Lamps: 1 x Bridgelux BXRA-C0800



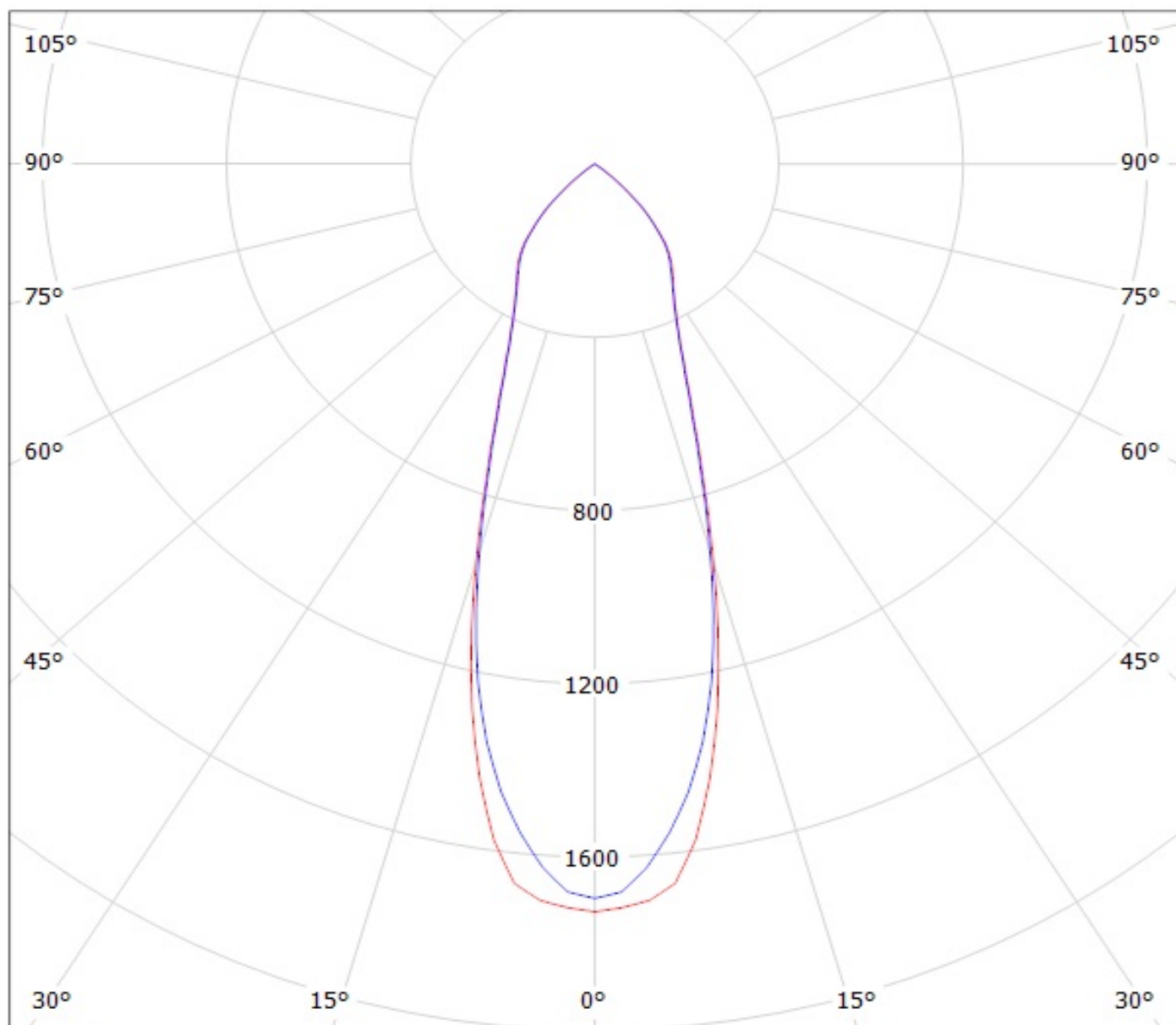
Luminaire: Ledil Oy CX14451\_BROOKE-M-VERO10\_SIMULATED  
Lamps: 1 x BRIDGELUX VERO10



Luminaire: LEDiL Oy CA11182\_BROOKE-M\_(Cree\_XHP70)  
Lamps: 1 x Cree\_XHP70\_260.73lm@250mA\_P=1.38182W\_I=0.2499A



Luminaire: Ledil Oy CA11182\_Brooke-M CA11182\_Brooke-M  
Lamps: 1 x Bridgelux BXRA-C0800

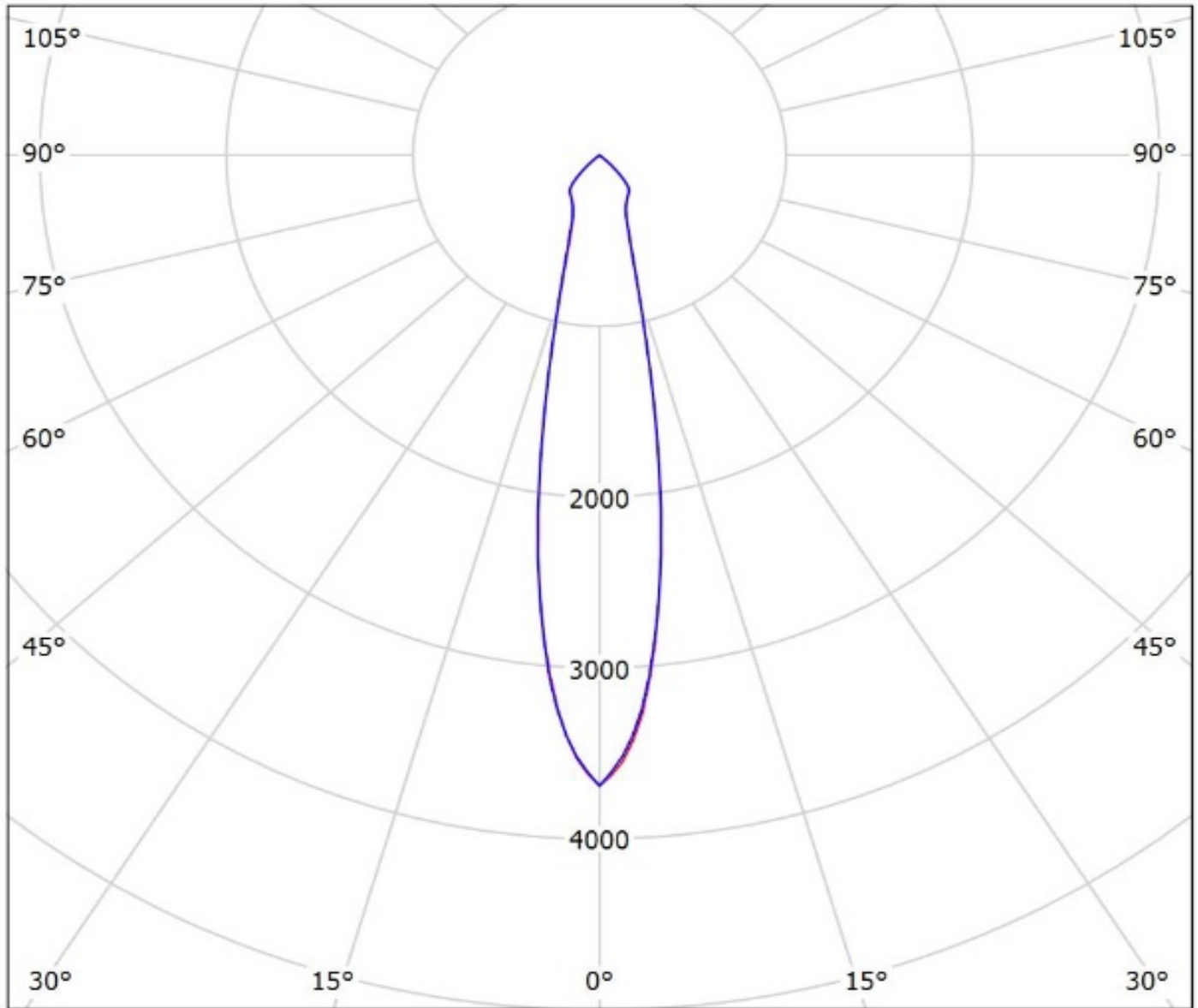


cd/klm

— C0 - C180

— C90 - C270

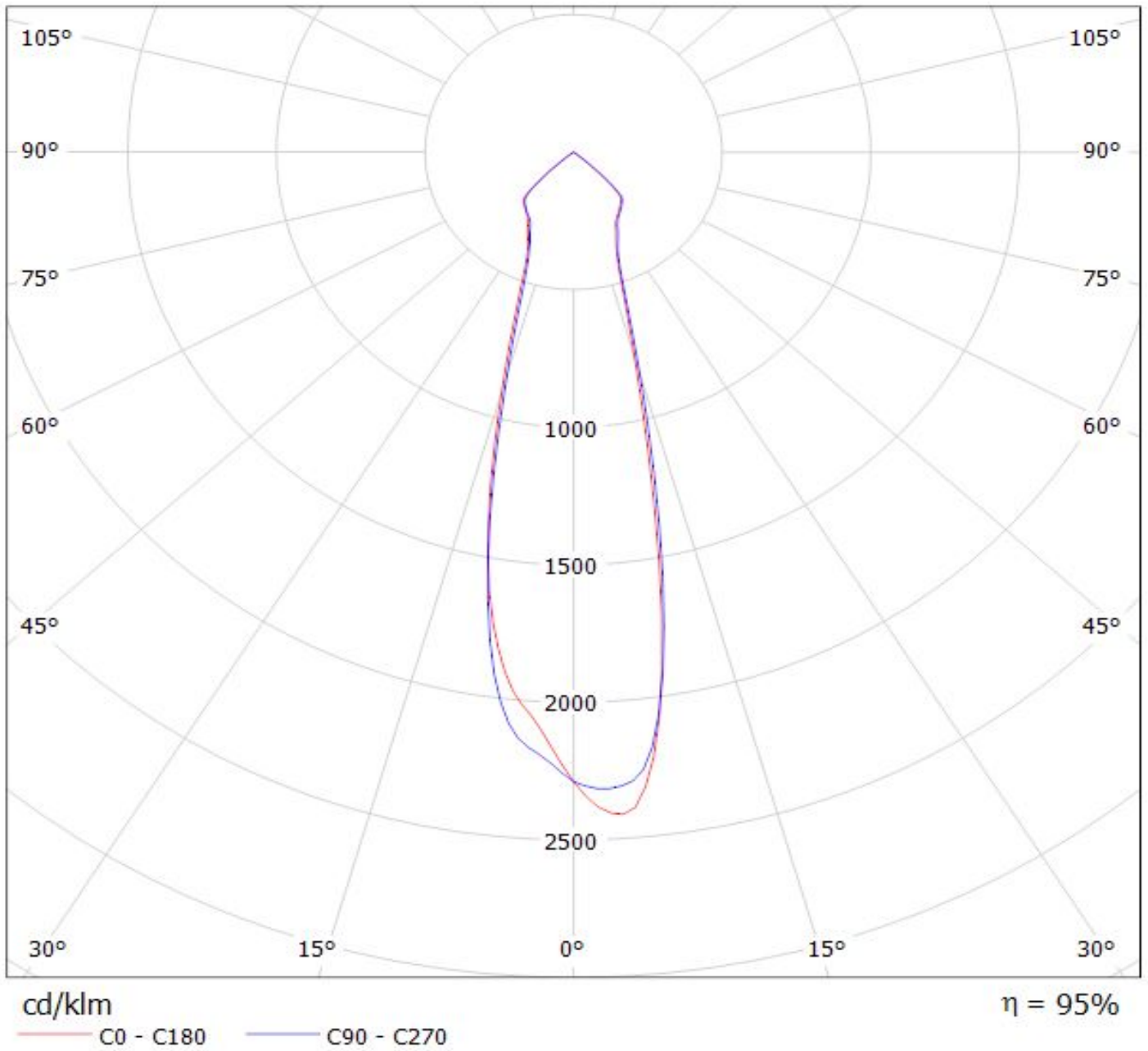
Luminaire: Ledil Oy CX14451\_BROOKE-M-VERO10\_SIMULATED  
Lamps: 1 x BRIDGELUX VERO10



cd/klm  
— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: LEDiL Oy CA11182\_BROOKE-M\_(Cree\_XHP70)  
Lamps: 1 x Cree\_XHP70\_260.73lm@250mA\_P=1.38182W\_I=0.2499A





**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.