



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



DETAILS

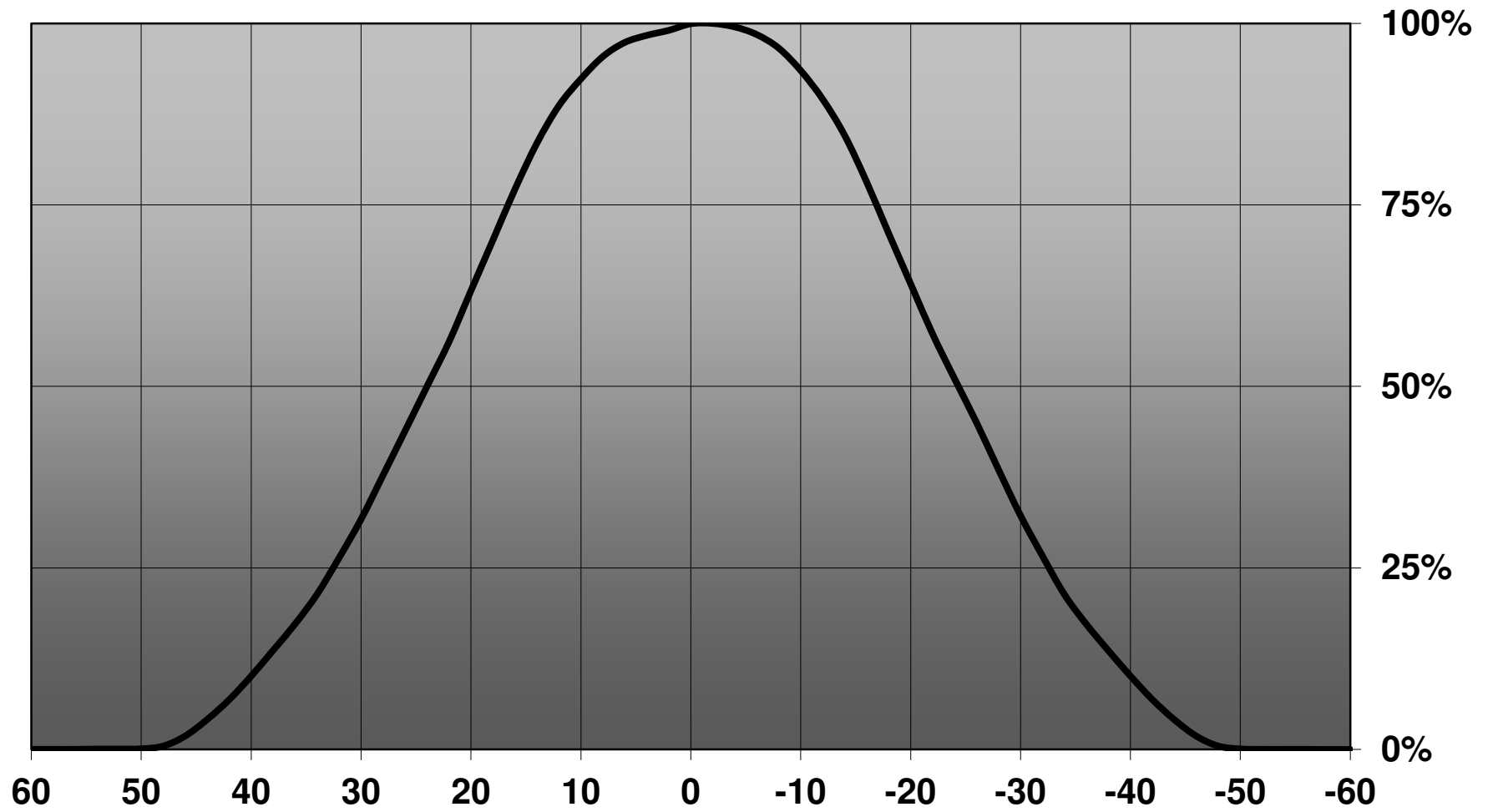
Product Number	C12211_CINDY-M2
Family	Cindy
Type	Reflector
Color	metal
Diameter	22.6 mm
Height	12.5 mm
Style	hexag
Optic Material	PC
Holder Material	
Fastening	glue
Status	ready
ROHS Compliant	Yes
Date Updated	21/05/2012

OPTICAL PROPERTIES

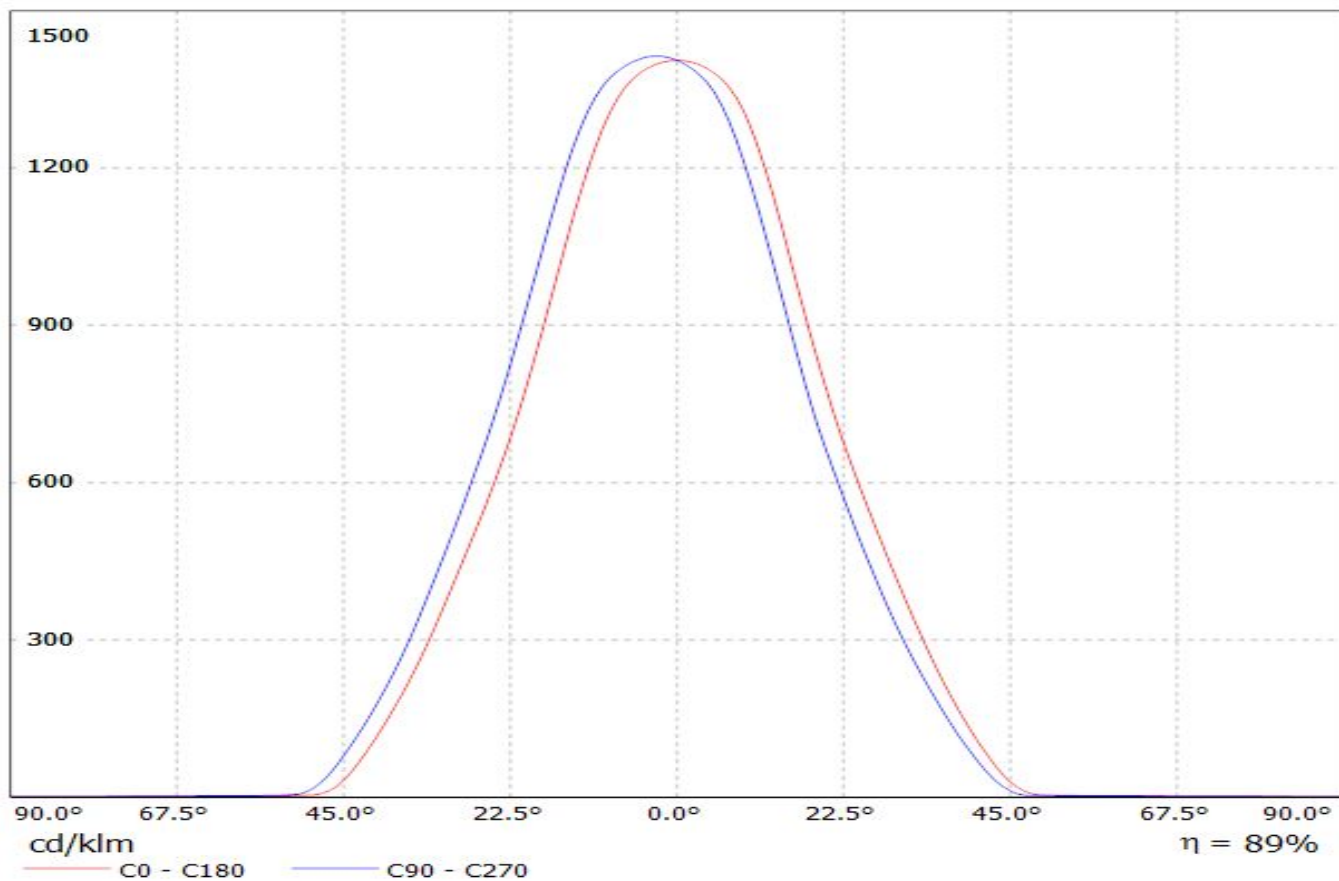
LED	Viewing	Light	Effi-		Connector
	Angle	Beam	ciency	cd/lm	
Mini Zenigata (GW5BM)	sim: 40	Medium	-	-	-
Mini Zenigata (GW6BM)	44 deg	Medium	89 %	1.410	-
Soleriq P9	48 deg	Medium	88 %	1.420	-
CL-L233	48 deg	Medium	82 %	1.300	-



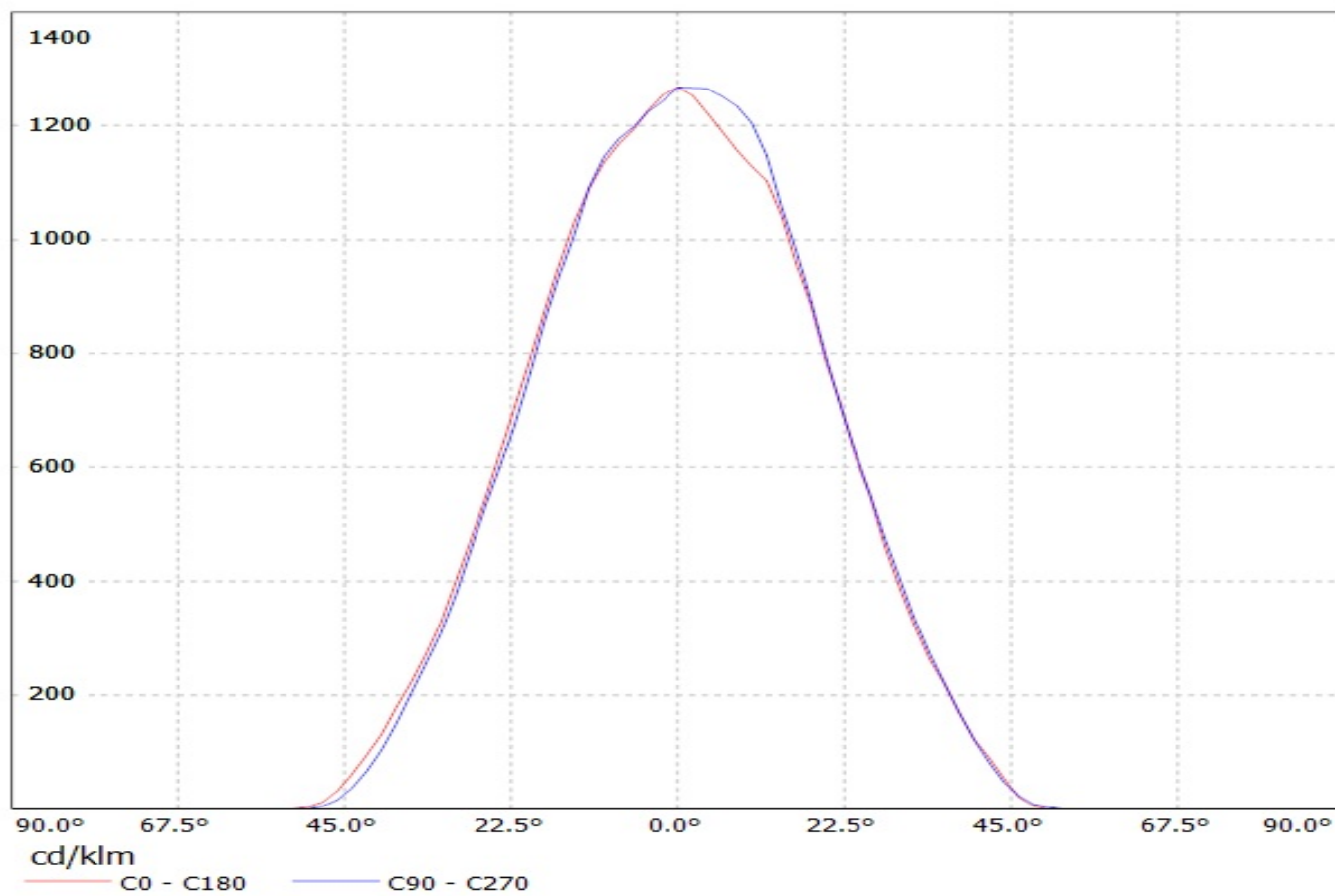
Relative intensity of C12211_CINDY-M2_(Soleriq P9)



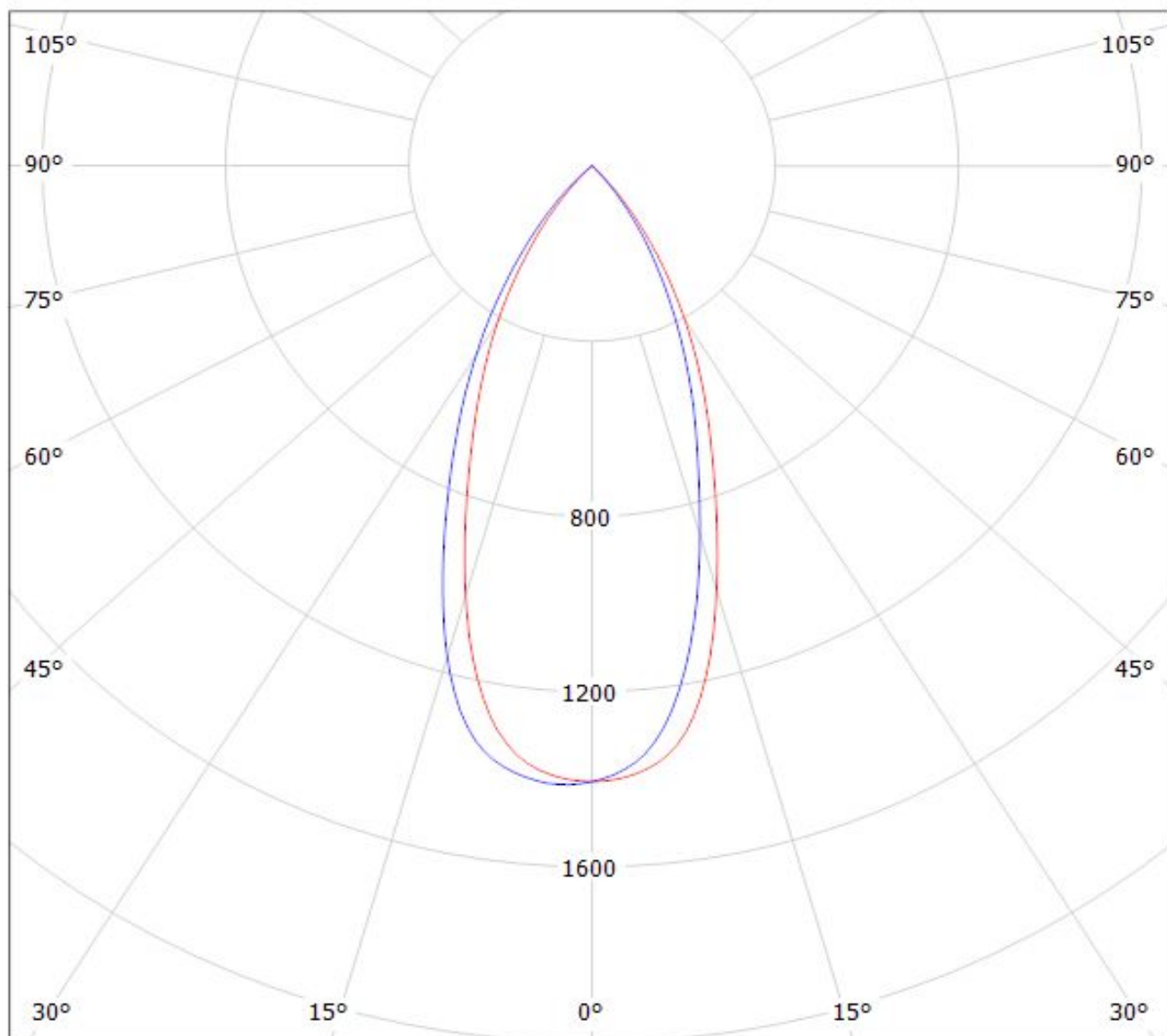
Luminaire: LEDiL Oy C12211_CINDY-M2 (Mini_Zenigata) Eff.89.2%
Lamps: 1 x Mini_Zenigata GW6BM (803.772lm@250mA)



Luminaire: Ledil Oy C12211_CINDY-M2 (Citizen CLL233 280lm @ 250mA) Efficiency=82%
Lamps: 1 x Citizen CLL233 280lm @ 250mA CCT=3211K P=4,2W I=250mA



Luminaire: LEDiL Oy C12211_CINDY-M2_(Mini_Zenigata) Eff.89.2%
Lamps: 1 x Mini_Zenigata GW6BM (803.772lm@250mA)

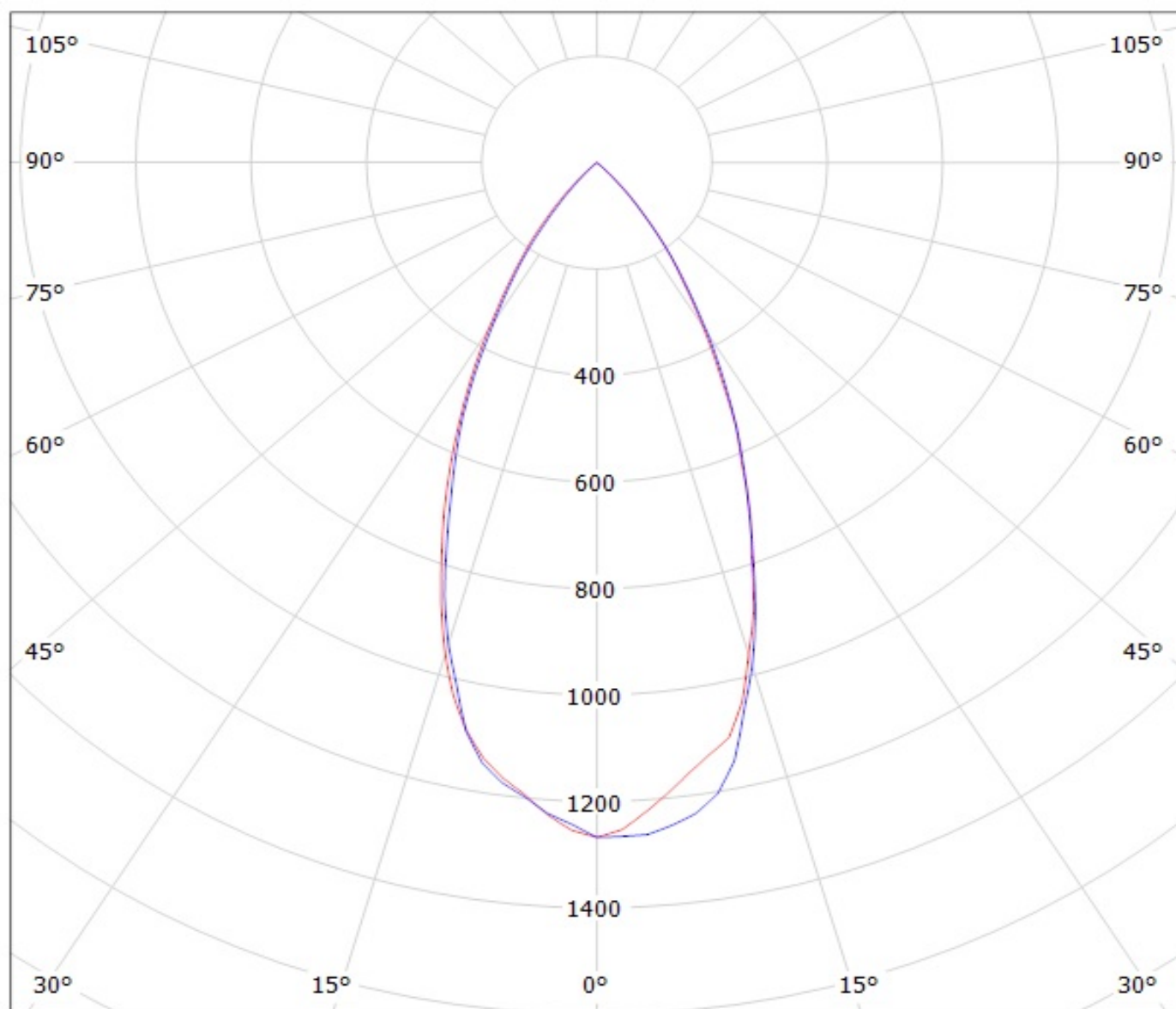


cd/klm

— C0 - C180 — C90 - C270

$\eta = 89\%$

Luminaire: Ledil Oy C12211_CINDY-M2 (Citizen CLL233 280lm @ 250mA) Efficiency=82%
Lamps: 1 x Citizen CLL233 280lm @ 250mA CCT=3211K P=4,2W I=250mA



cd/klm

— 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.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).
- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.
http://www.ledil.com/datasheets/DataSheet_GLUES.pdf

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.

NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the glue.

NOTE 2: All surfaces where glue is applied must be clean, dry and free from grease and dirt. If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer -this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.