


Ordering number C12500_MIRA-M

Family	Mira	FWHM	25 degrees
Type	Lens	Efficiency	81 %
LED	LUXEON M	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	32.4 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	Ready		


Ordering number CA12878_MIRA-M

Family	Mira	FWHM	25 degrees
Type	Assembly	Efficiency	81 %
LED	LUXEON M	cd/lm	2.100
Color	White	Gerber File	Available
Diameter	35 mm		
Height	15.75 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		


Ordering number C12501_MIRA-W

Family	Mira	FWHM	39 degrees
Type	Lens	Efficiency	82 %
LED	LUXEON M	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	32.4 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	-		
Status	Ready		


Ordering number CA12879_MIRA-W

Family	Mira	FWHM	39 degrees
Type	Assembly	Efficiency	82 %
LED	LUXEON M	cd/lm	1.200
Color	White	Gerber File	Available
Diameter	35 mm		
Height	15.75 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		


Ordering number C12502_MIRA-WW

Family	Mira	FWHM	57 degrees
Type	Lens	Efficiency	82 %
LED	LUXEON M	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	32.4 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PC		
Holder Material	-		
Fastening	Glue		
Status	Ready		

Ordering number CA12880_MIRA-WW

Family	Mira	FWHM	57 degrees
Type	Assembly	Efficiency	82 %
LED	LUXEON M	cd/lm	0.800
Color	White	Gerber File	Available
Diameter	35 mm		
Height	15.75 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
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

Mira series

last update 4/2/2013

PHILIPS
LUMILEDS

GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON M series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used materials from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400_2407_2456_2458-UL.pdf

- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).
- Fastening to heat sink with a PU foam adhesive tape of automotive grade. Please find fastening details by clicking link: http://www.ledil.com/datasheets/DataSheet_TAPE.pdf

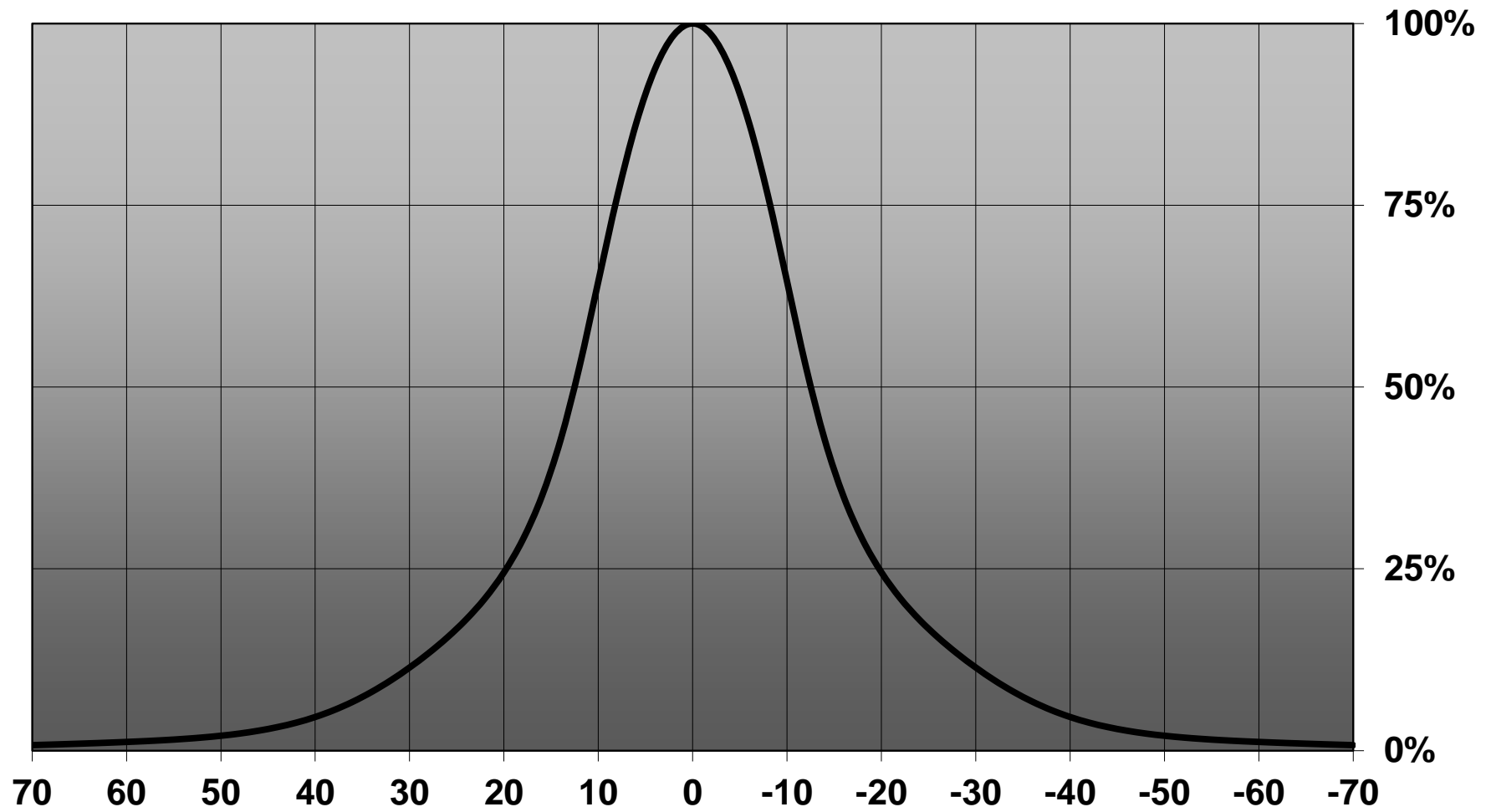
NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.

NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape is applied must be clean, dry and free from grease and dirt.

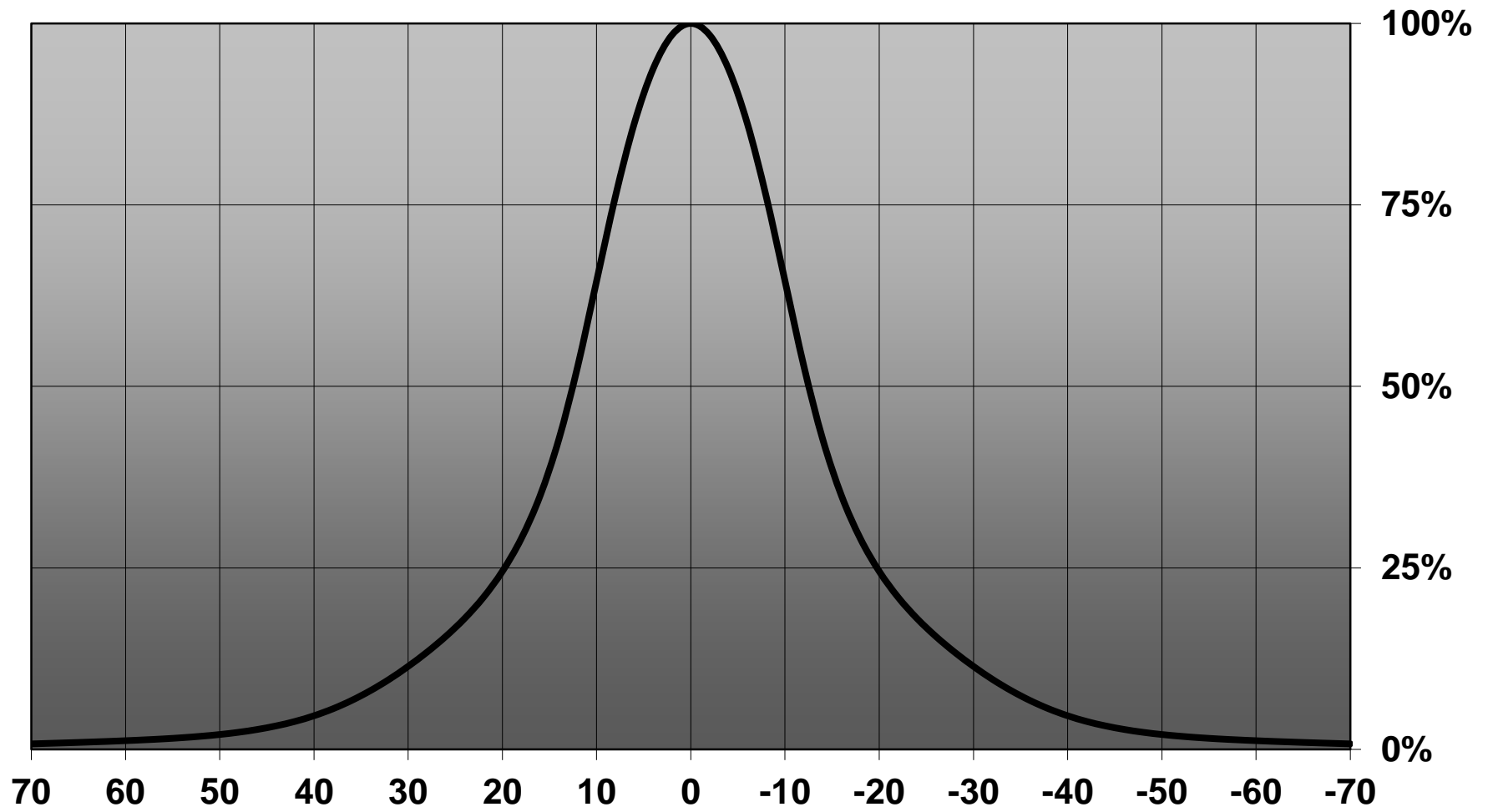
If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer - this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

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.

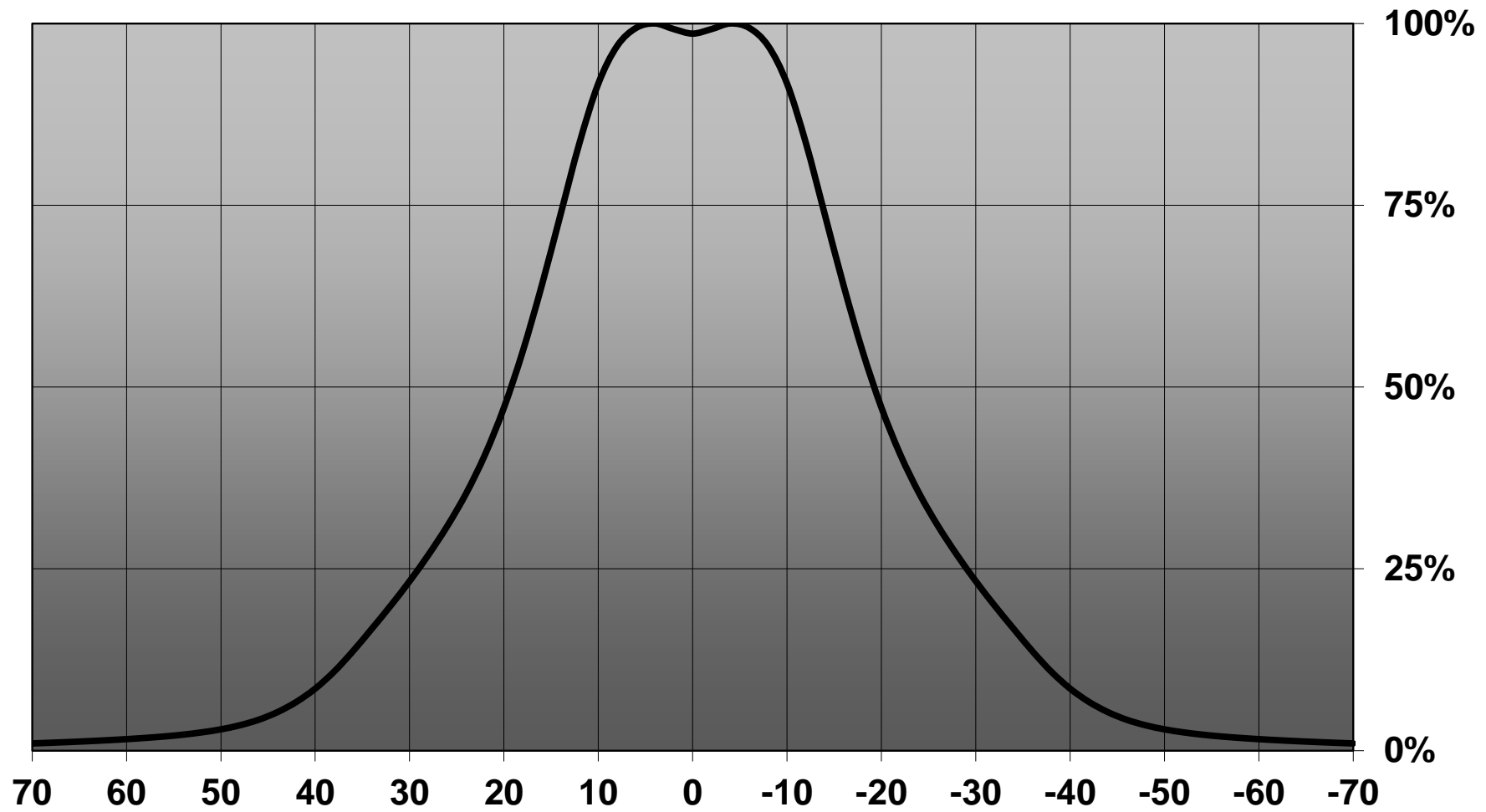
Relative intensity of C12500_MIRA-M_(Luxeon-M)



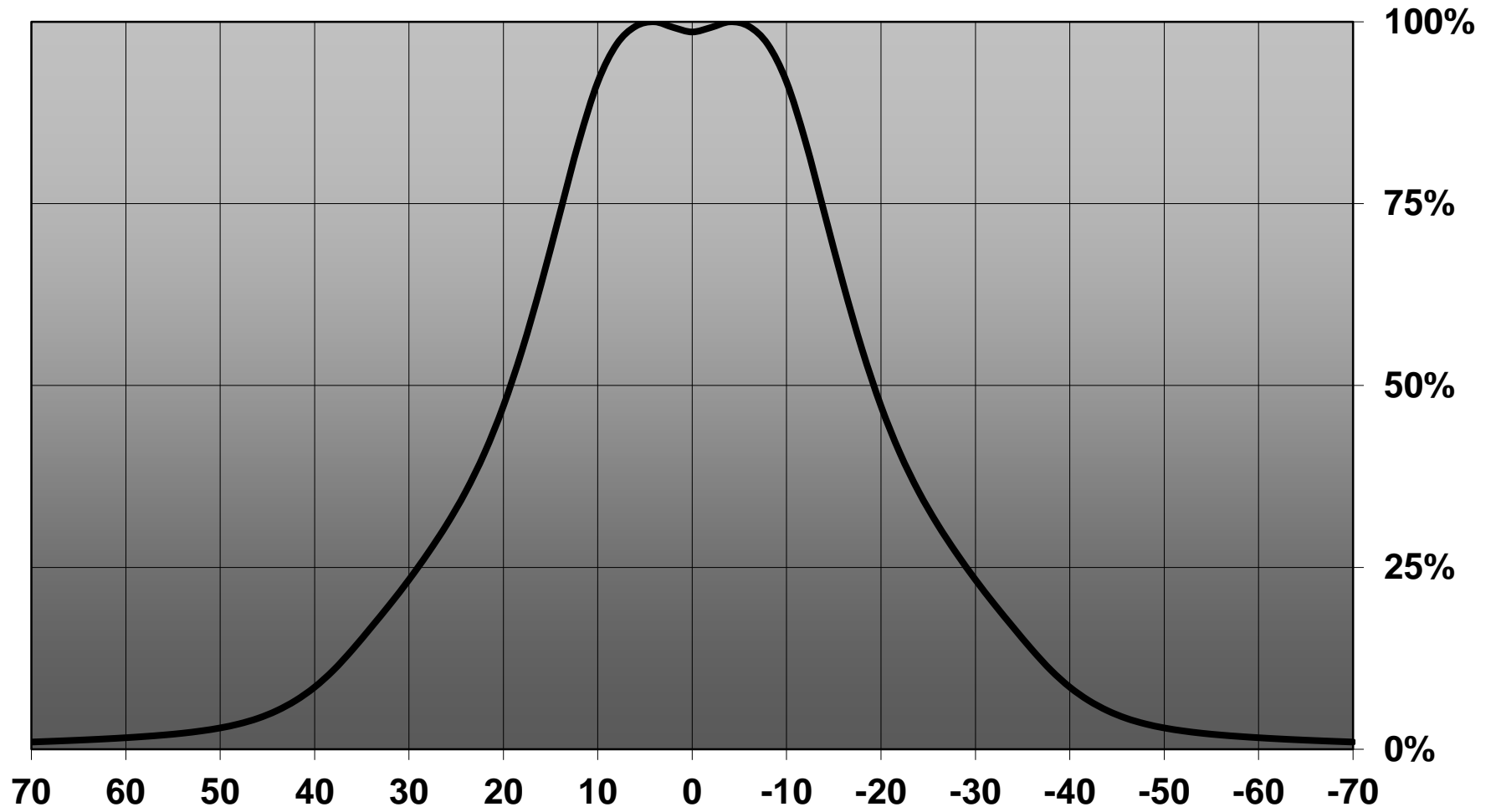
Relative intensity of CA12878_MIRA-M_(Luxeon-M)



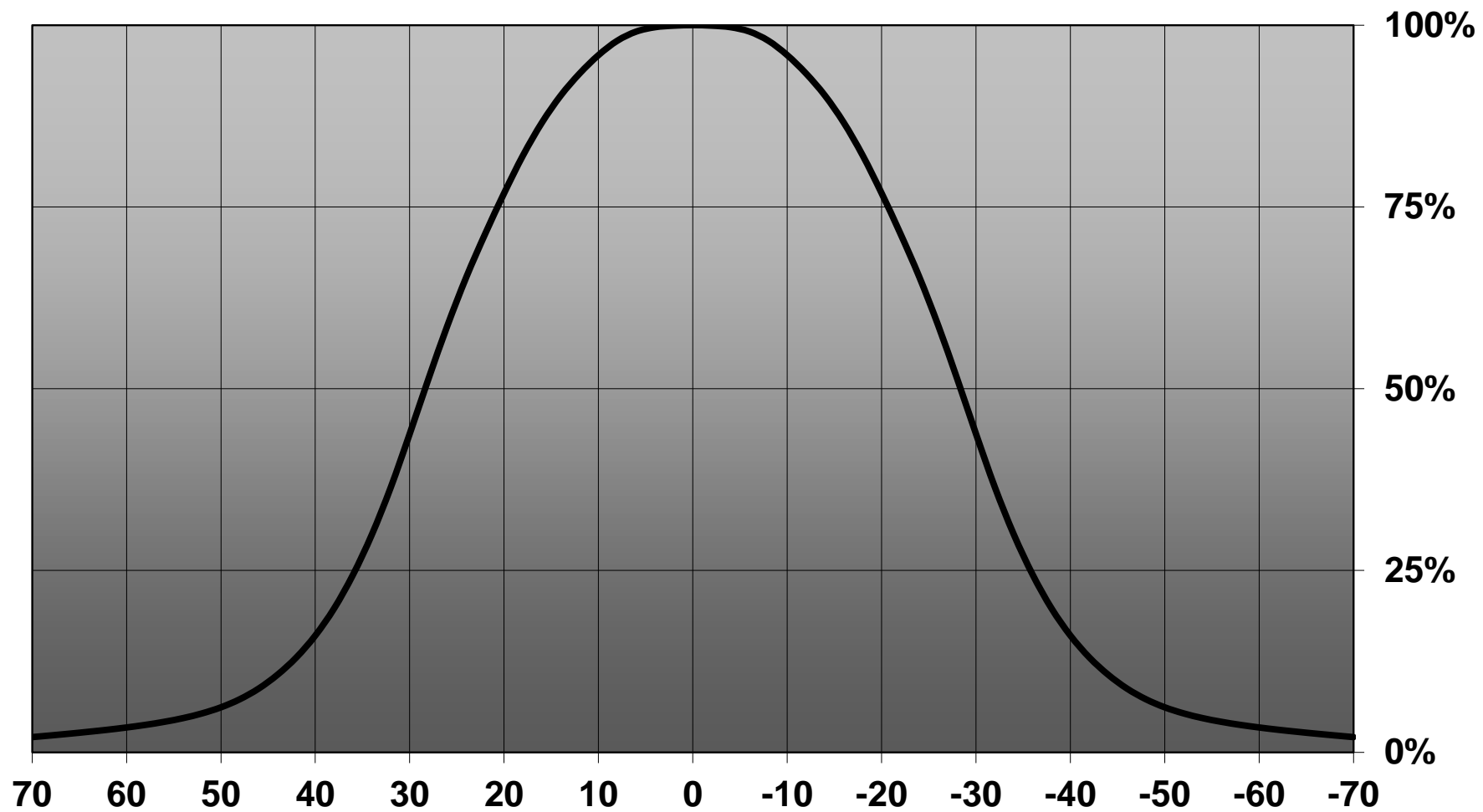
Relative intensity of C12501_MIRA-W



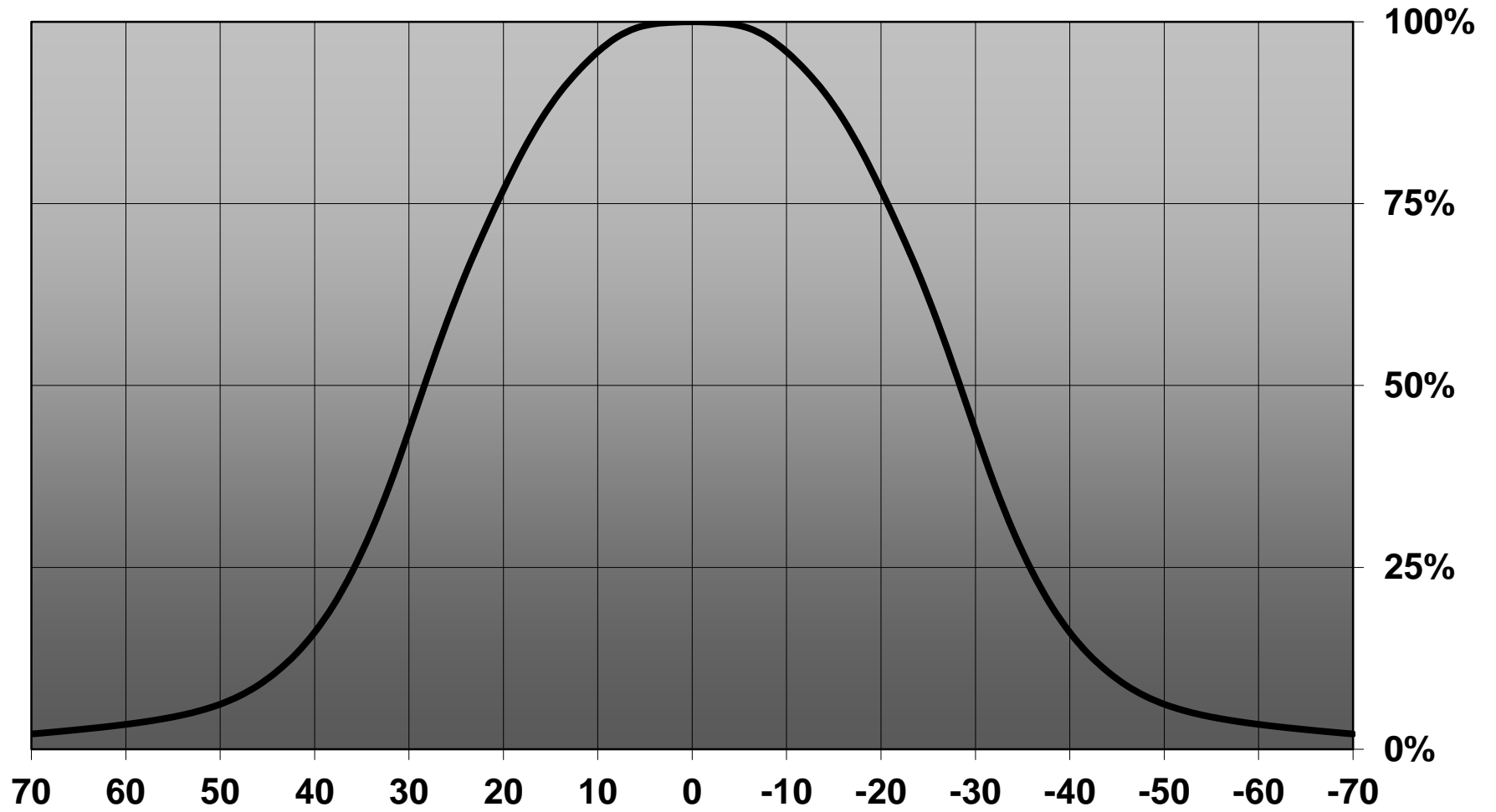
Relative intensity of CA12879_MIRA-W_(Luxeon-M)

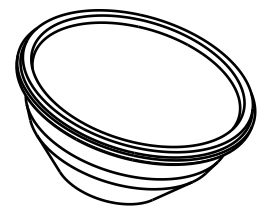


Relative intensity of C12502_MIRA-WW_Luxeon-M

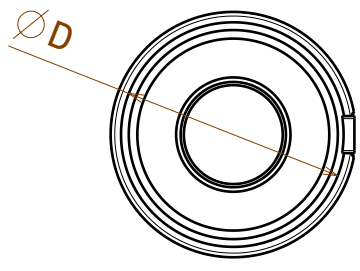


Relative intensity of CA12880_MIRA-WW_(Luxeon-M)

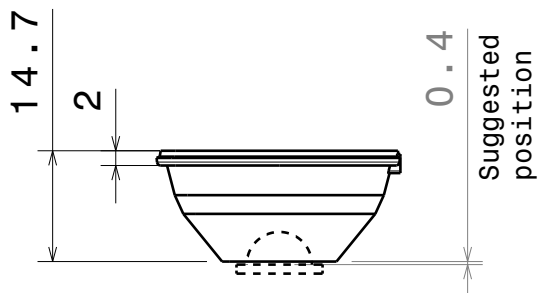




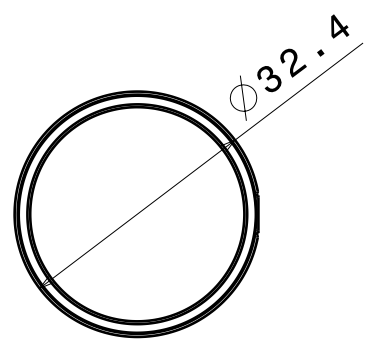
Isometric view



Bottom view




Front view



Top view

Dimension D:
 - C12500_MIRA-M 29,7mm
 - C12501_MIRA-W 28,4mm
 - C12502_MIRA-VW 28,4mm

Material: PC

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DRAWN BY mav		DATE 02.04.2012		DRAWING TITLE Datasheet MIRA lens	
CHECKED BY sn		DATE 02.04.2012			
DESIGNED BY mav		DATE 29.11.2011		SIZE A4	DRAWING NUMBER -
		SCALE 1:1	WEIGHT (g)		SHEET 1/1