



Ordering number FA11909
Description FA11909_CXM-RS

Family	Rose	FWHM	14 degrees
Type	Lens	Efficiency	84 %
LED	XM-L	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		



Ordering number FA11908
Description FA11908_CXM-SS

Family	Rose	FWHM	23 degrees
Type	Lens	Efficiency	-
LED	XM-L	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		



Ordering number FA11910
Description FA11910_CXM-D

Family	Rose	FWHM	23 degrees
Type	Lens	Efficiency	84 %
LED	XM-L	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		



Ordering number FA11911
Description FA11911_CXM-M

Family	Rose	FWHM	32 degrees
Type	Lens	Efficiency	82 %
LED	XM-L	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		



Ordering number FA11912
Description FA11912_CXM-O

Family	Rose	FWHM	42+22 degrees
Type	Lens	Efficiency	80 %
LED	XM-L	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13 mm		
Style	Square		
Optic Material	PC		
Holder Material	PC		
Fastening	Tape		
Status	Ready		



Ordering number FA11942
Description FA11942_CXM-W

Family	Rose	FWHM	60 degrees
Type	Lens	Efficiency	79 %
LED	XM-L	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13 mm		
Style	Square		
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 CXM series



GENERAL INFORMATION

- Product series especially designed & optimized for XM-L 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.

FA11908



FA11909



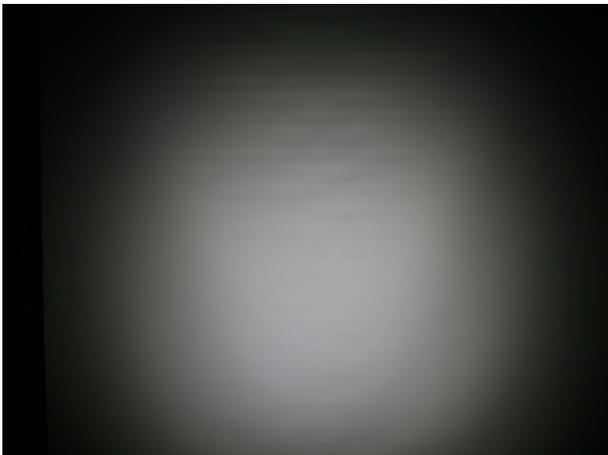
FA11910



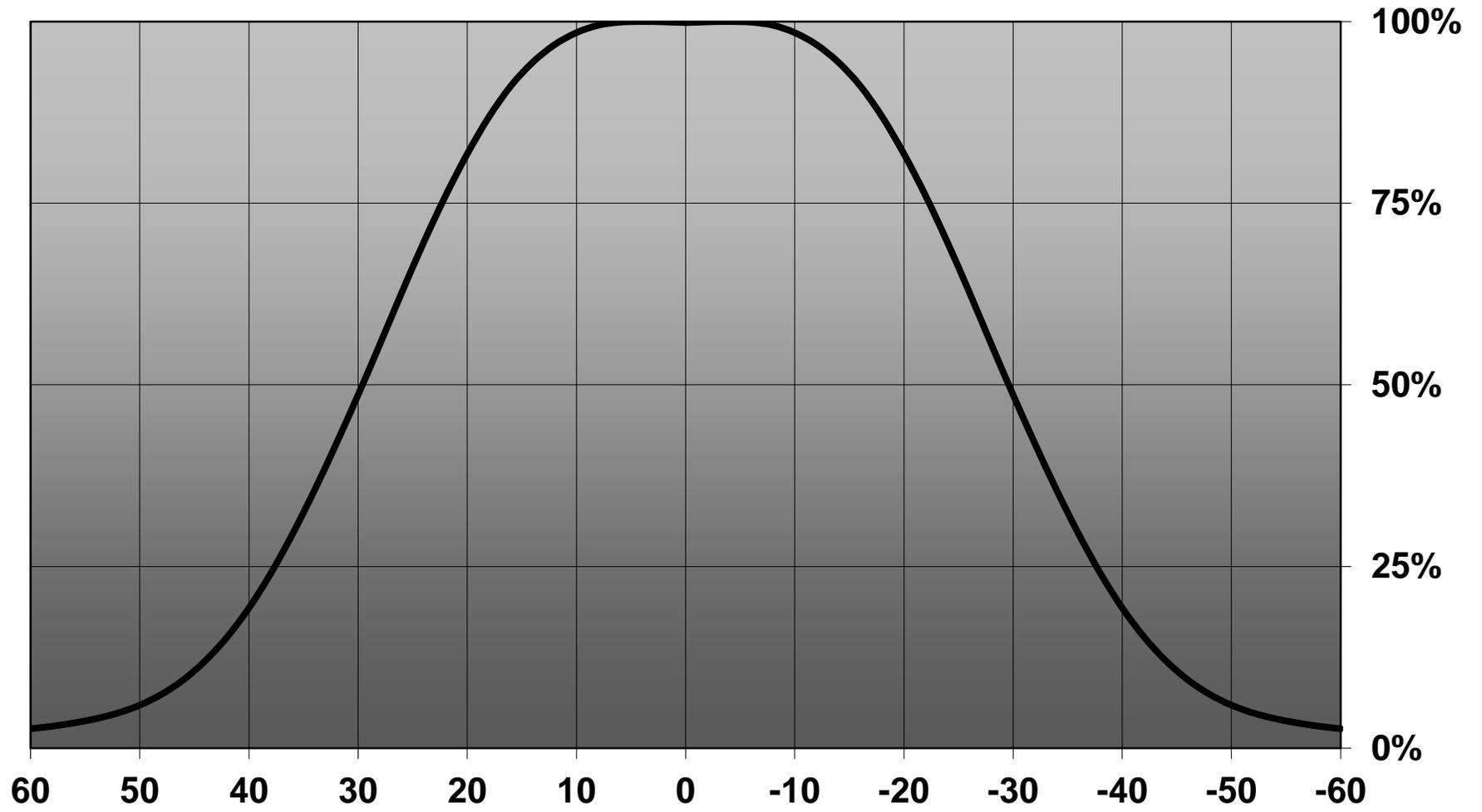
FA11911



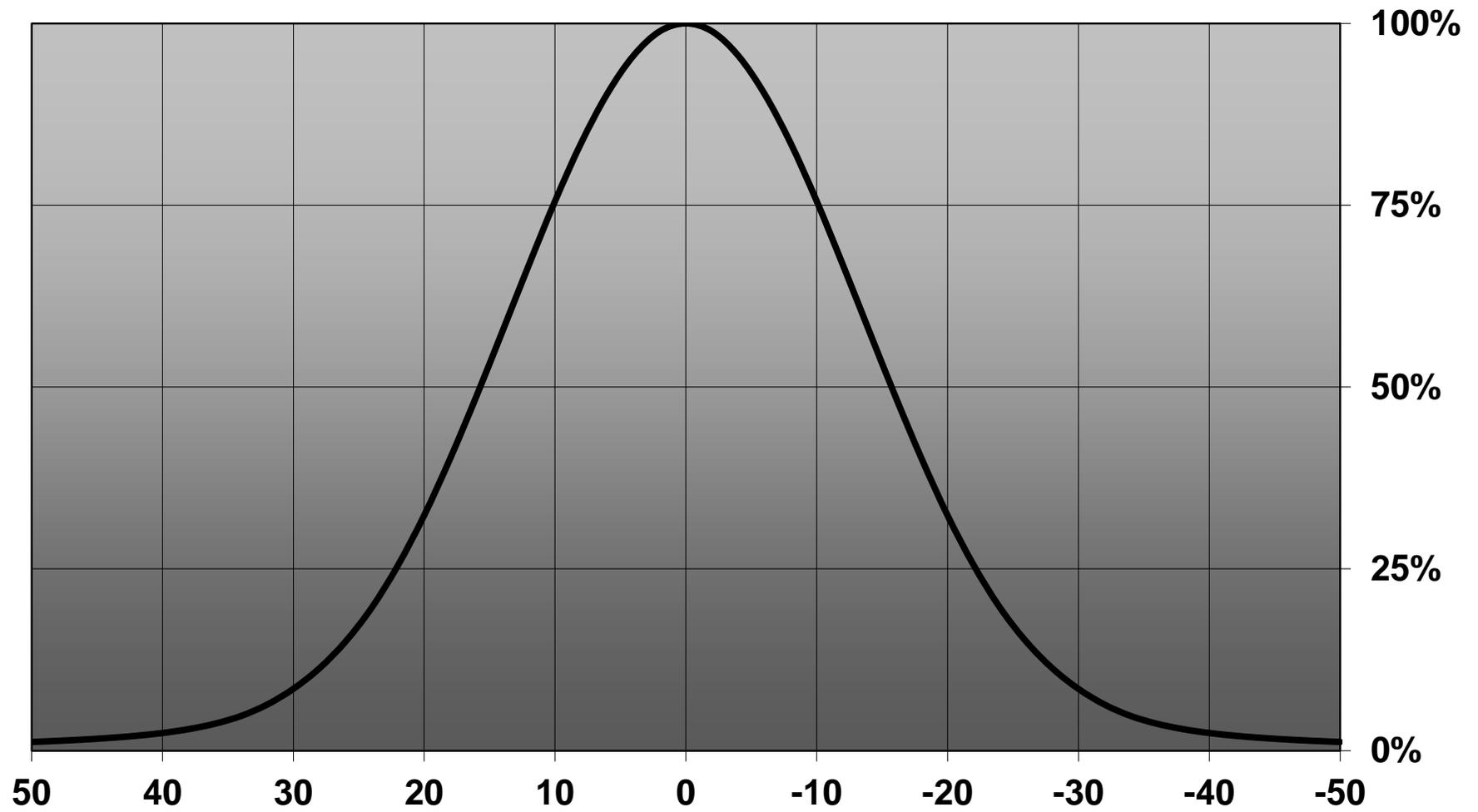
FA11942



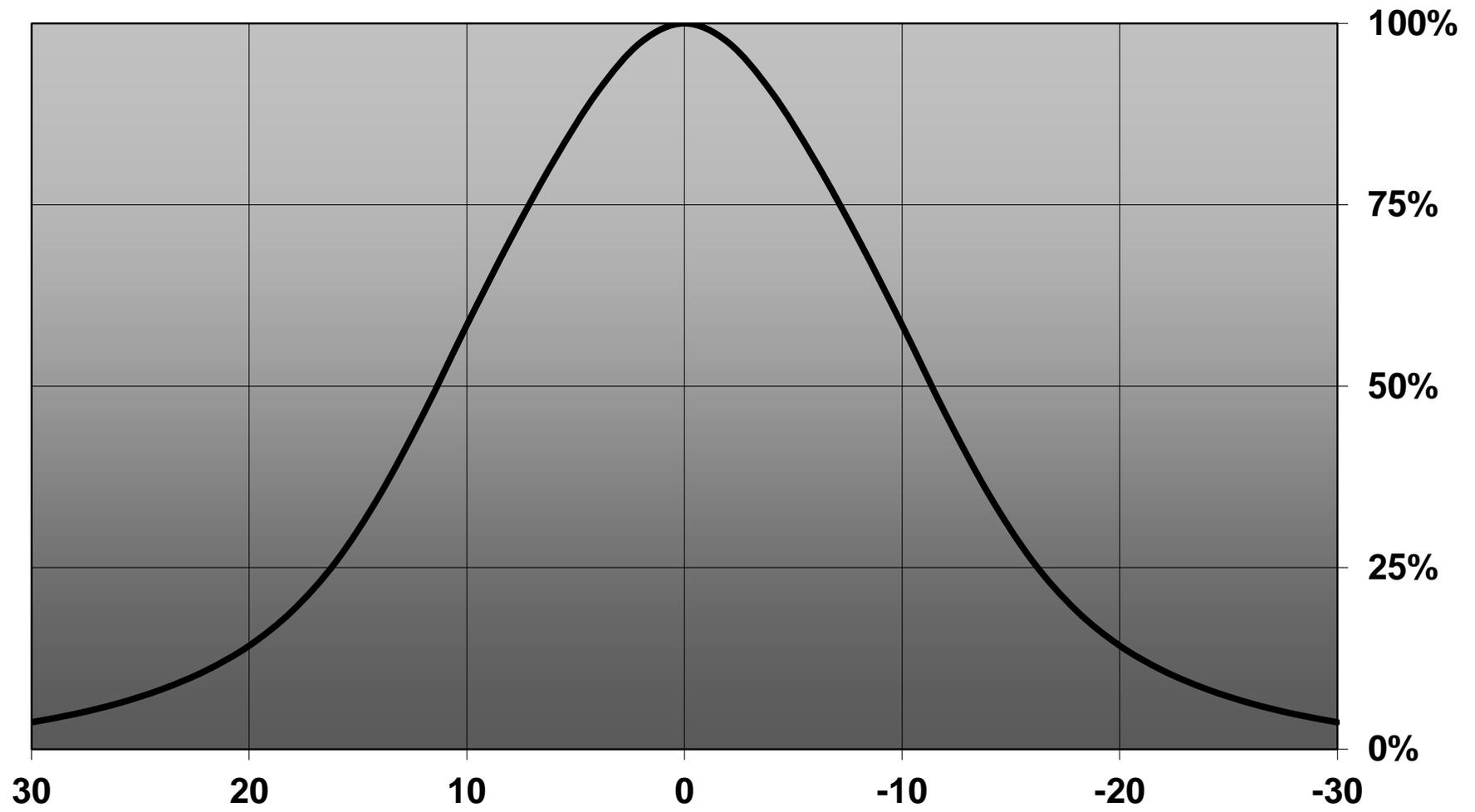
Relative intensity of FA11942_CXM-W



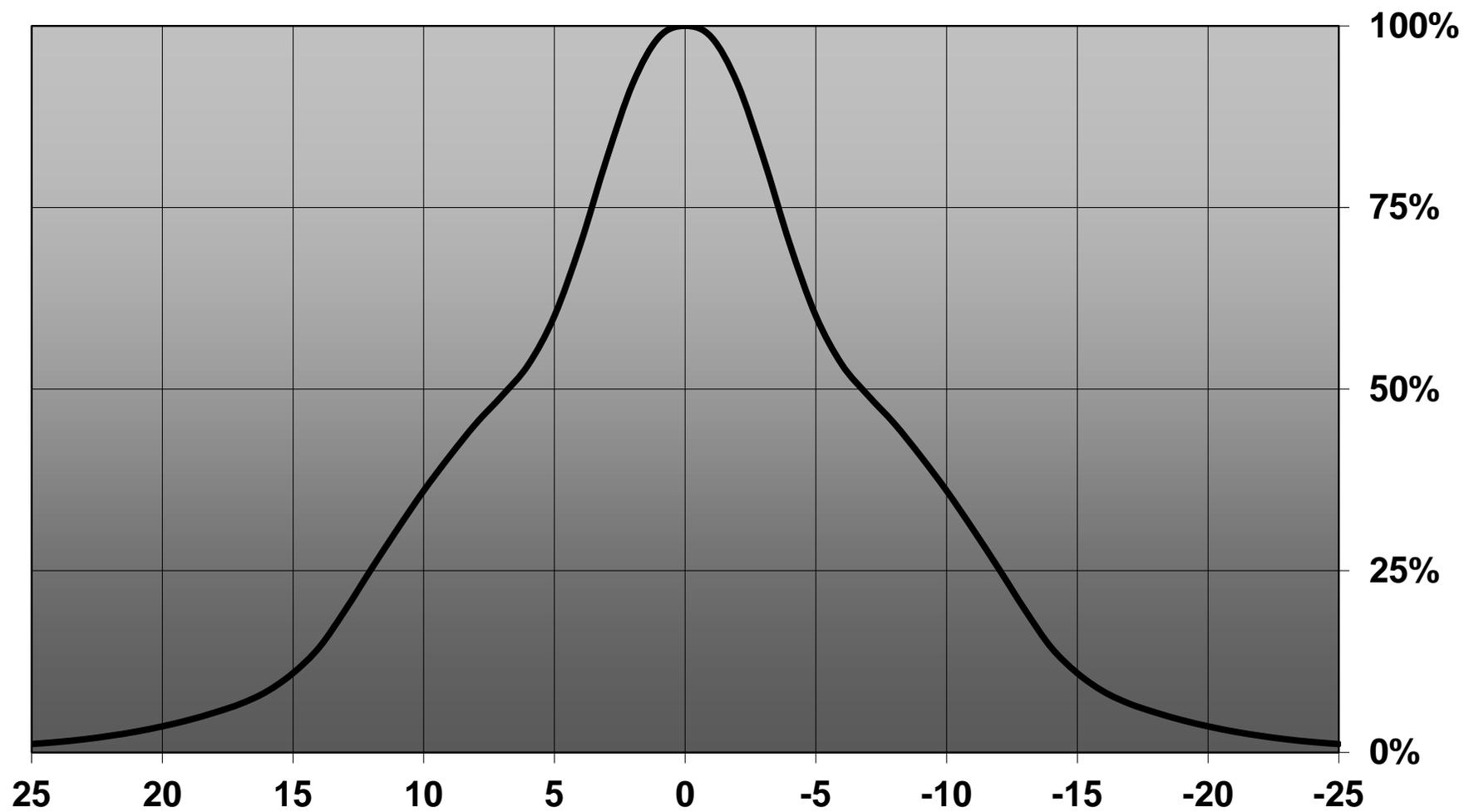
Relative intensity of FA11911_CXM_M



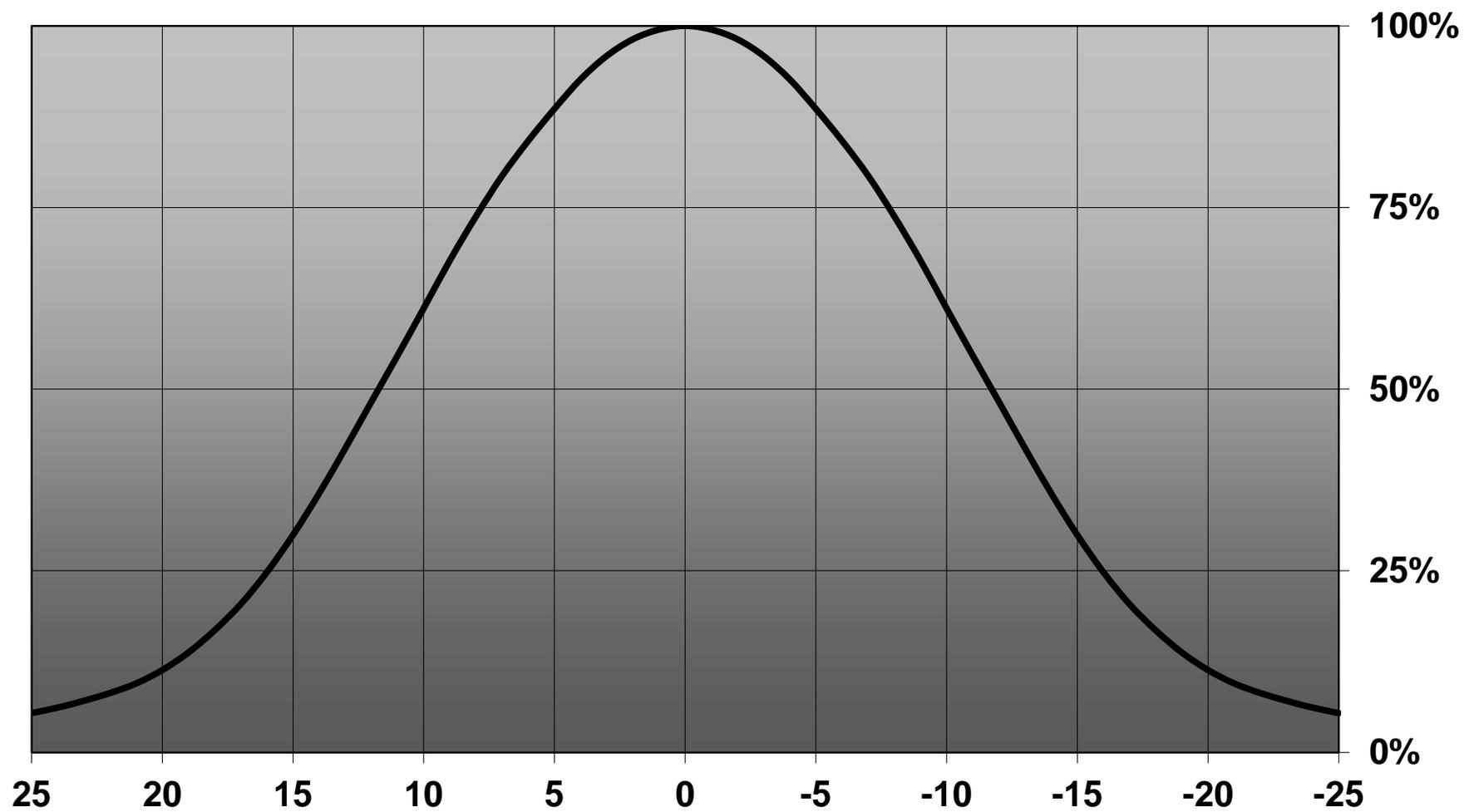
Relative intensity of FA11910_CXM_D



Relative intensity of FA11909_CXM-RS



Relative intensity of FA11908_CXM-SS



D

C

B

A

4

4

F11906_Rose Holder_CXM

Rose tape F10278

Front view

12.9

21.6

21.6

Top view

3

3

MATERIALS

Lens: PMMA

Holder: PC, white

Assemblies:

FA11908_CXM_SS

FA11909_CXM_RS

FA11910_CXM_D

FA11911_CXM_M

FA11912_CXM_O

FA11942_CXM_W

Holder:

F11906_Rose Holder_CXM

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Ledil Oy
Tehdaskatu 13
FIN-24100 SALO
Finland

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DRAWN BY

mav

DATE

30.12.2010

DRAWING TITLE

Datasheet Rose CXM-series assy

CHECKED BY

tk

DATE

30.12.2010

SIZE

A4

DRAWING NUMBER

CXM

REV

0.2

DESIGNED BY

hh

DATE

30.12.2010

SCALE

2:1

WEIGHT (g)

-

SHEET

1/1

D

A