



PRODUCT DATASHEET

NIS83 series



Ordering number	CA11839		
Description	CA11839_NIS83-2-M		
Family	Rose	FWHM	degrees
Type	Lens	Efficiency	-
LED	NS6x83	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	13.5 mm		
Style	Square		
Optic Material	PMMA		
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 NIS83 series



GENERAL INFORMATION

- Product series especially designed & optimized for NS6x83 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- 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

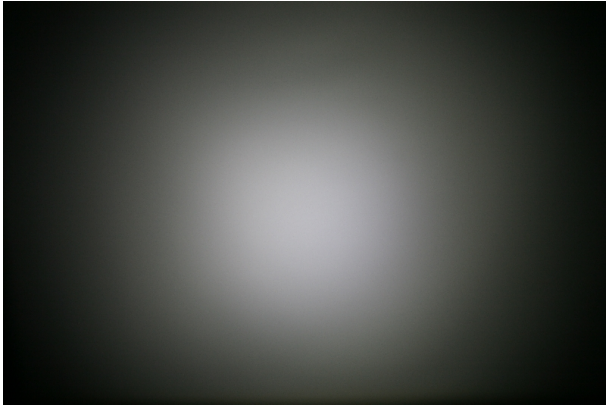
NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the tape.

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.

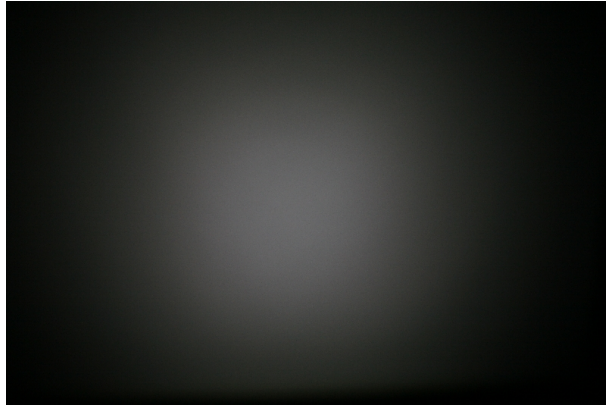
If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer - this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

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.

FA10708



FA10708



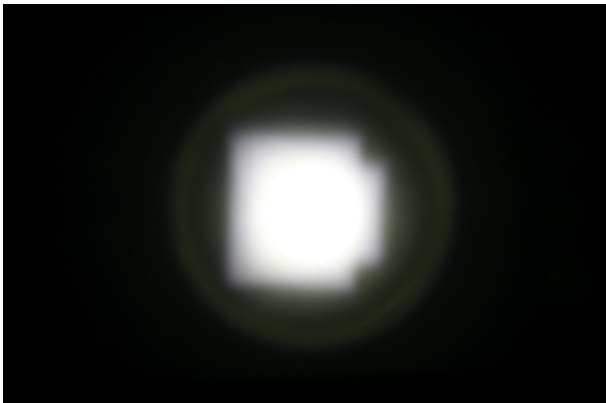
FA10669



FA10669



FA10668



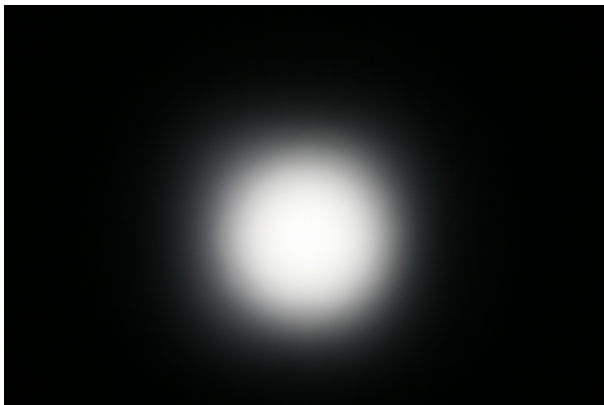
FA10668



FA10667



FA10667



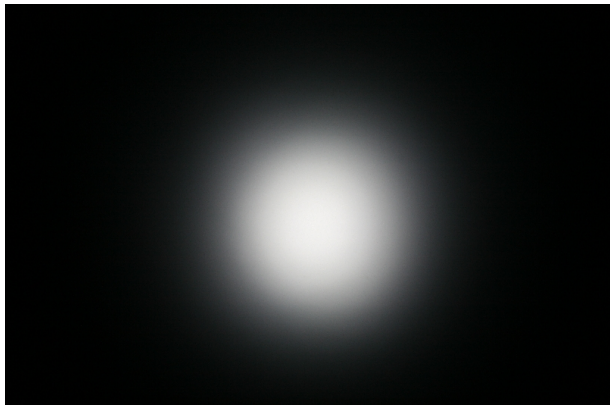
FA10666



FA10666



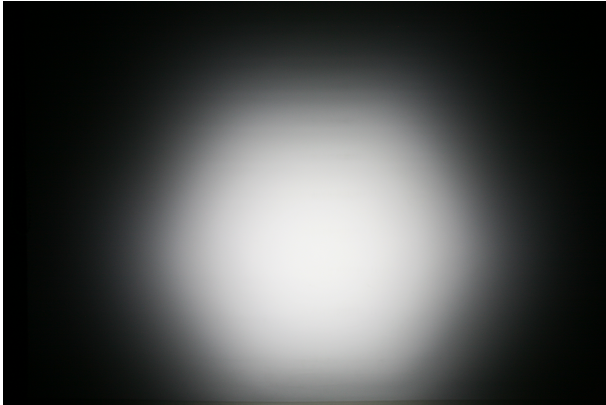
FA10666



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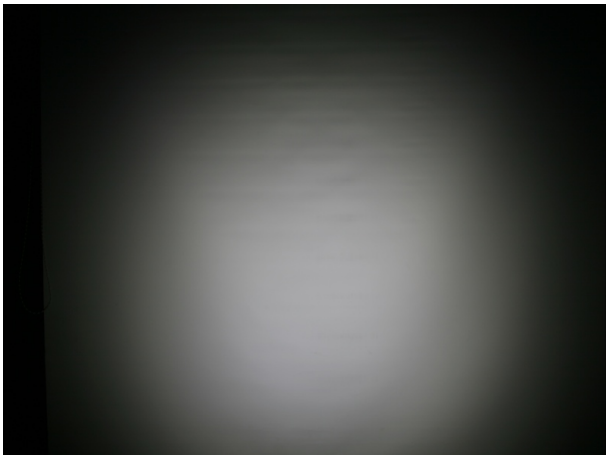
FA10665



FA10665



FA11942



FA11911



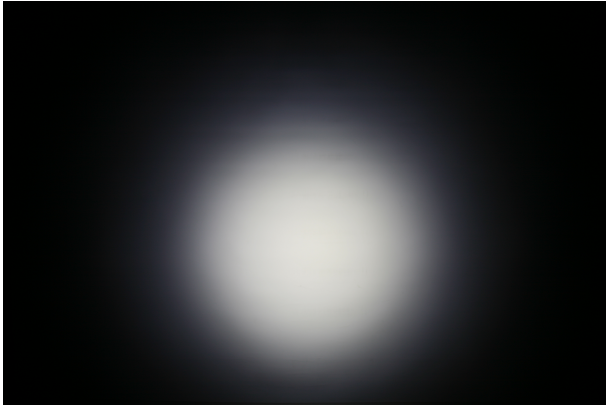
FA11910



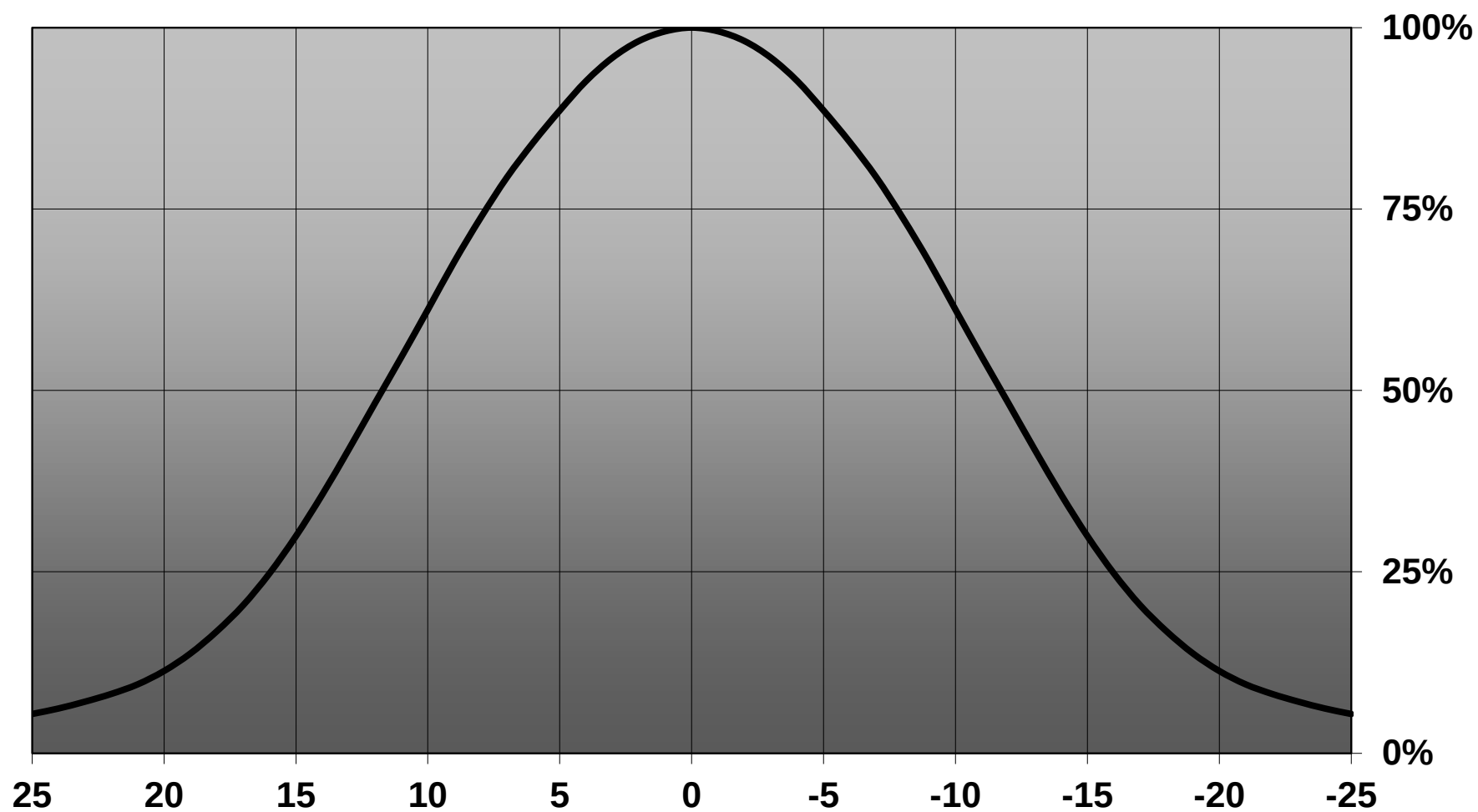
FA11909



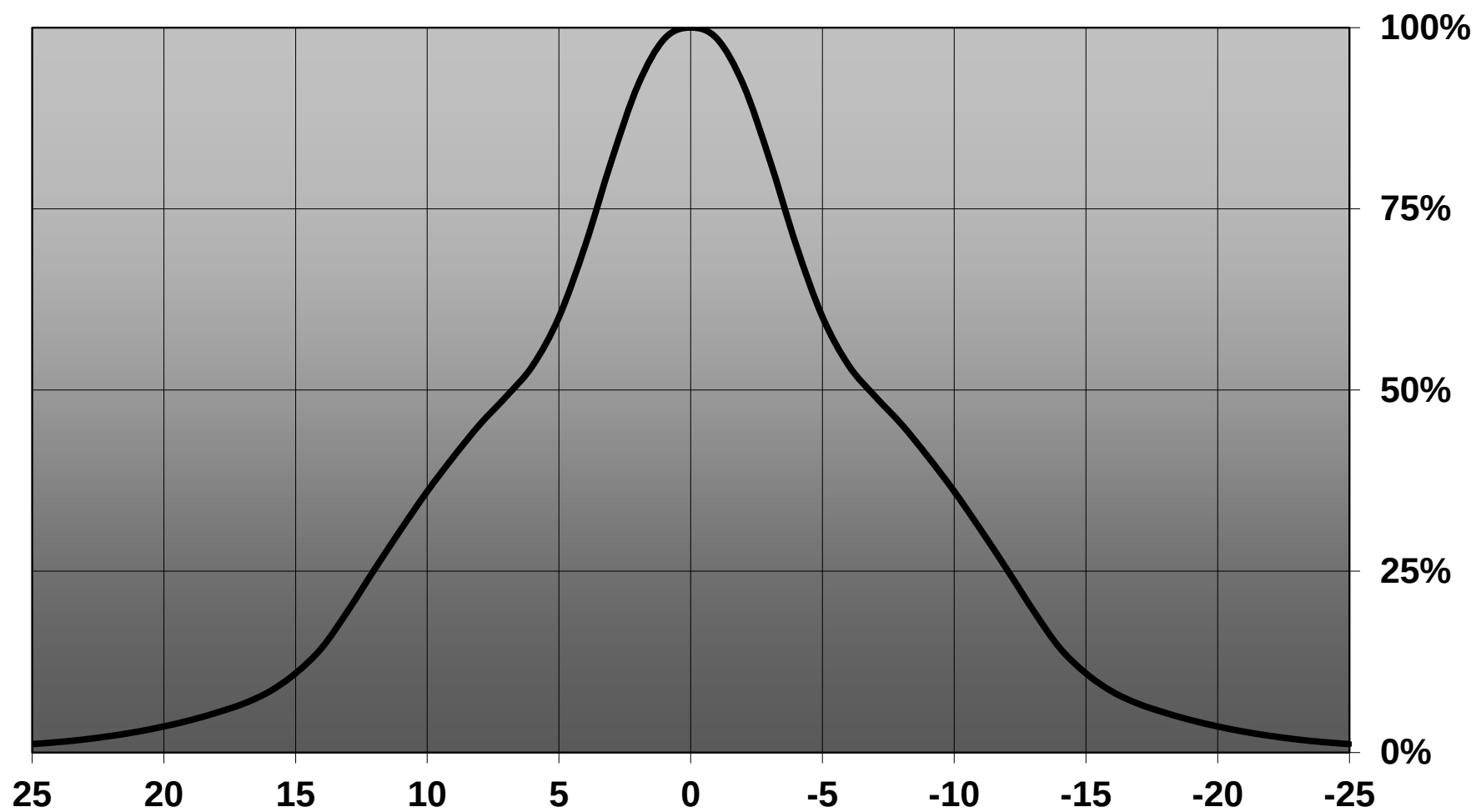
FA11908



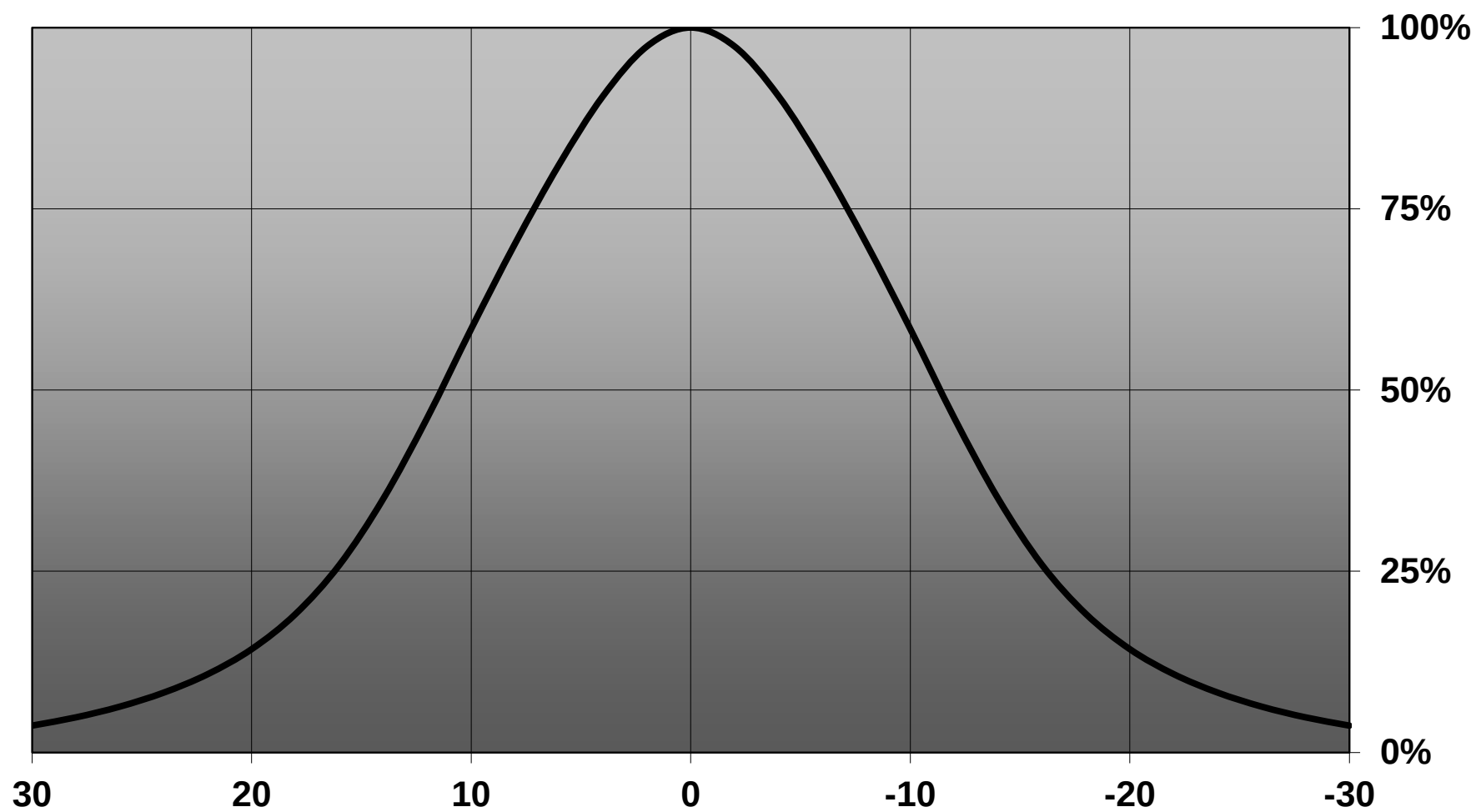
Relative intensity of FA11908_CXM-SS



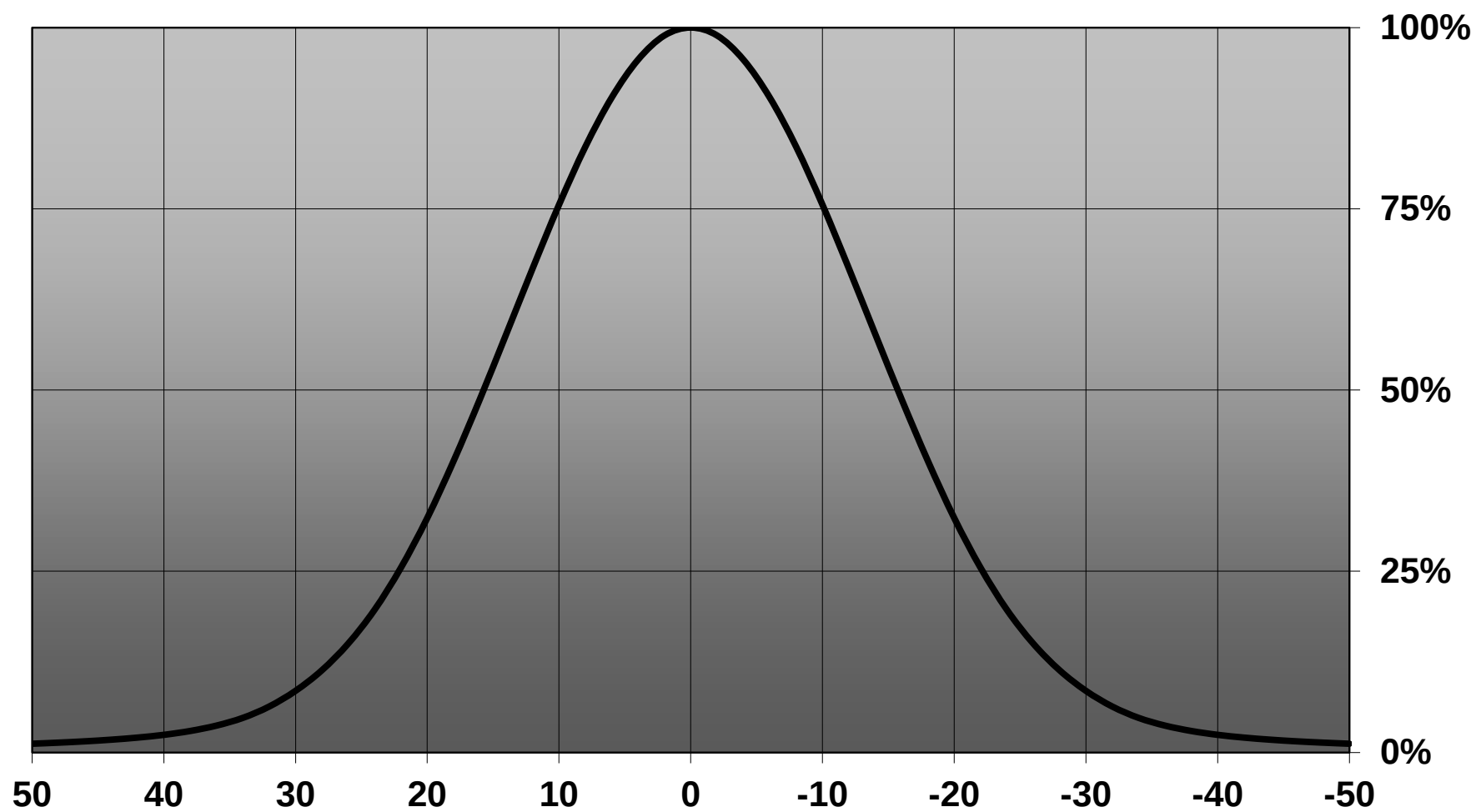
Relative intensity of FA11909_CXM-RS



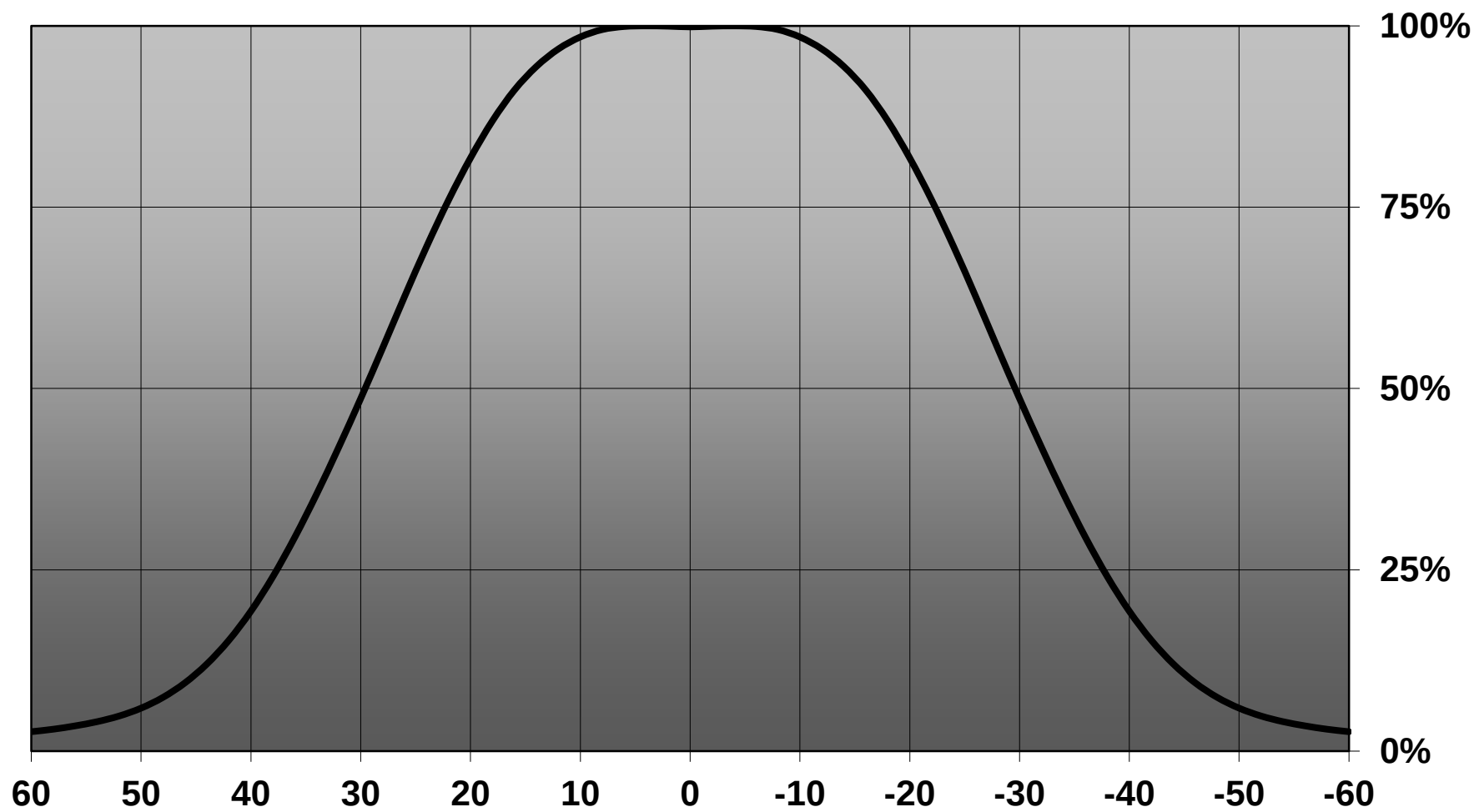
Relative intensity of FA11910_CXM_D



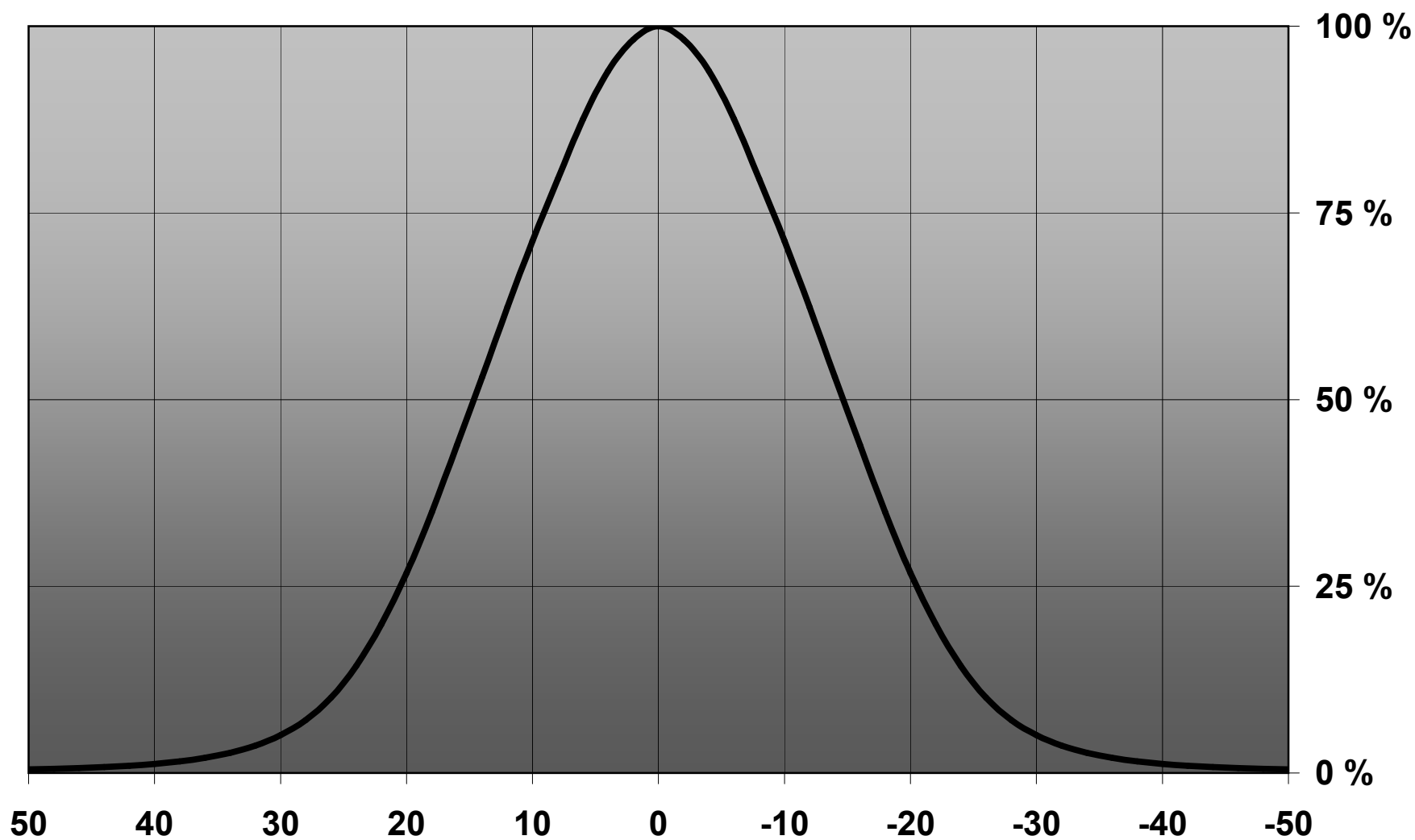
Relative intensity of FA11911_CXM_M



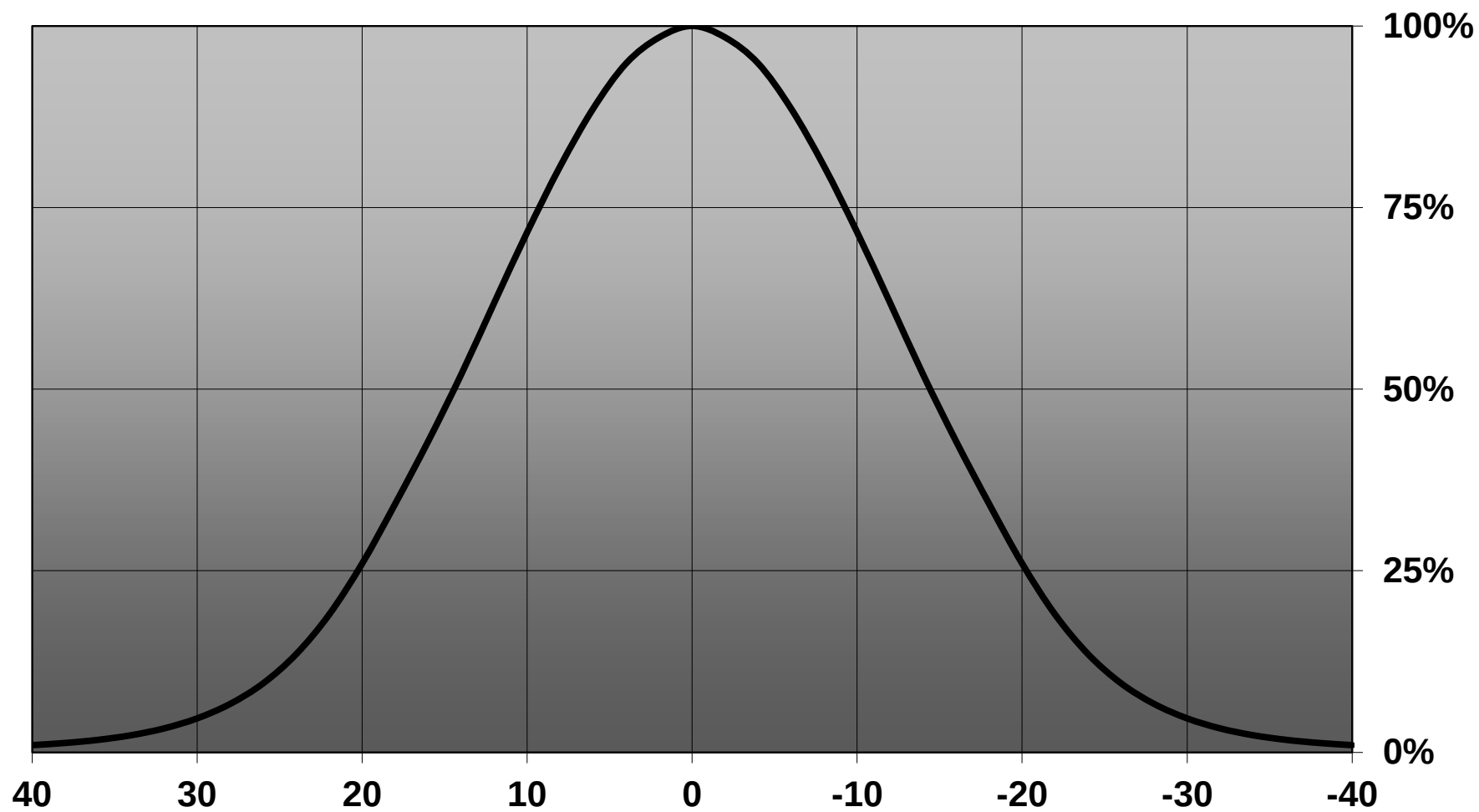
Relative intensity of FA11942_CXM-W



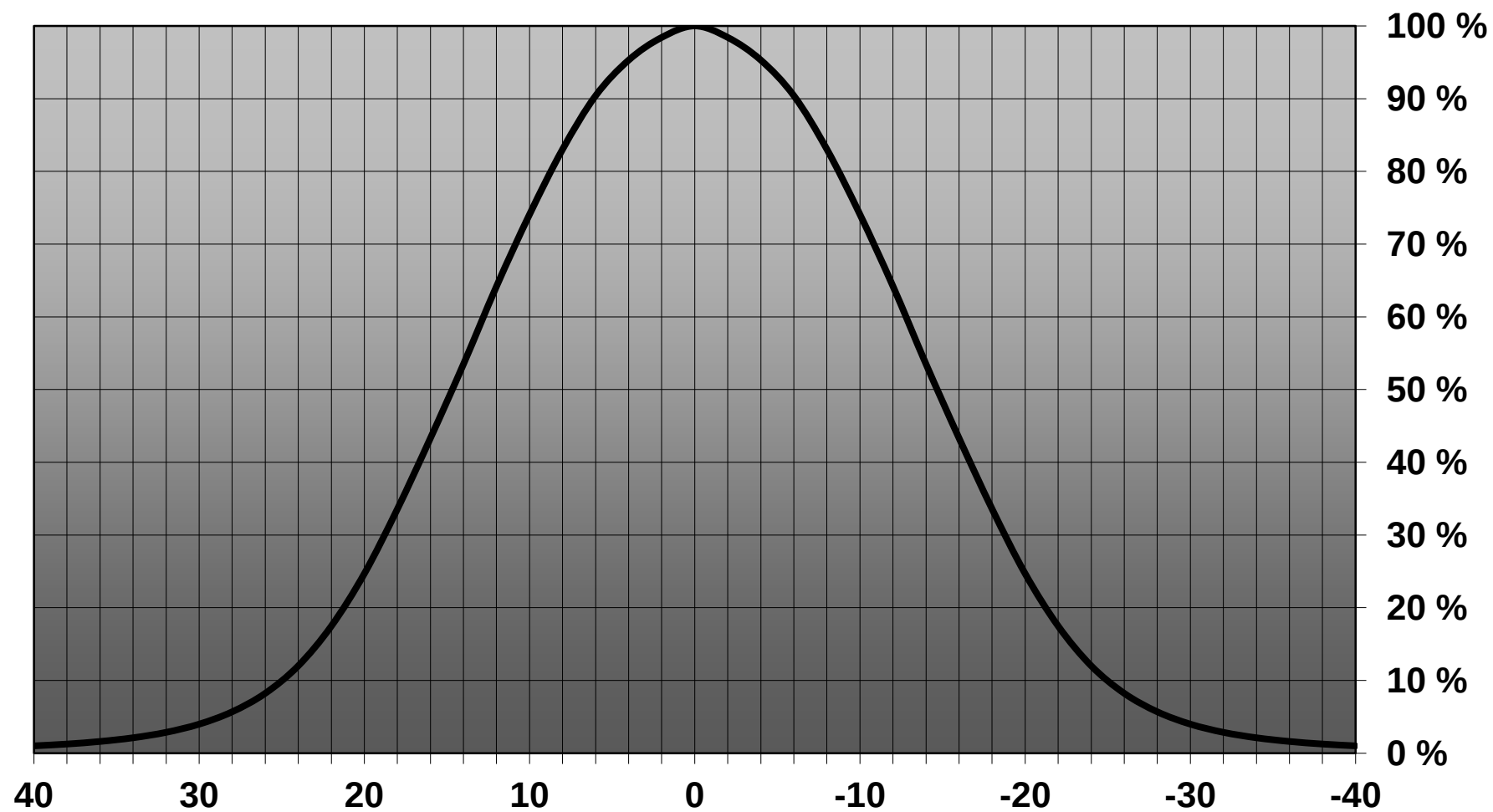
Relative Intensity of FA10665_CXP-M_(with_Cree XP-G)



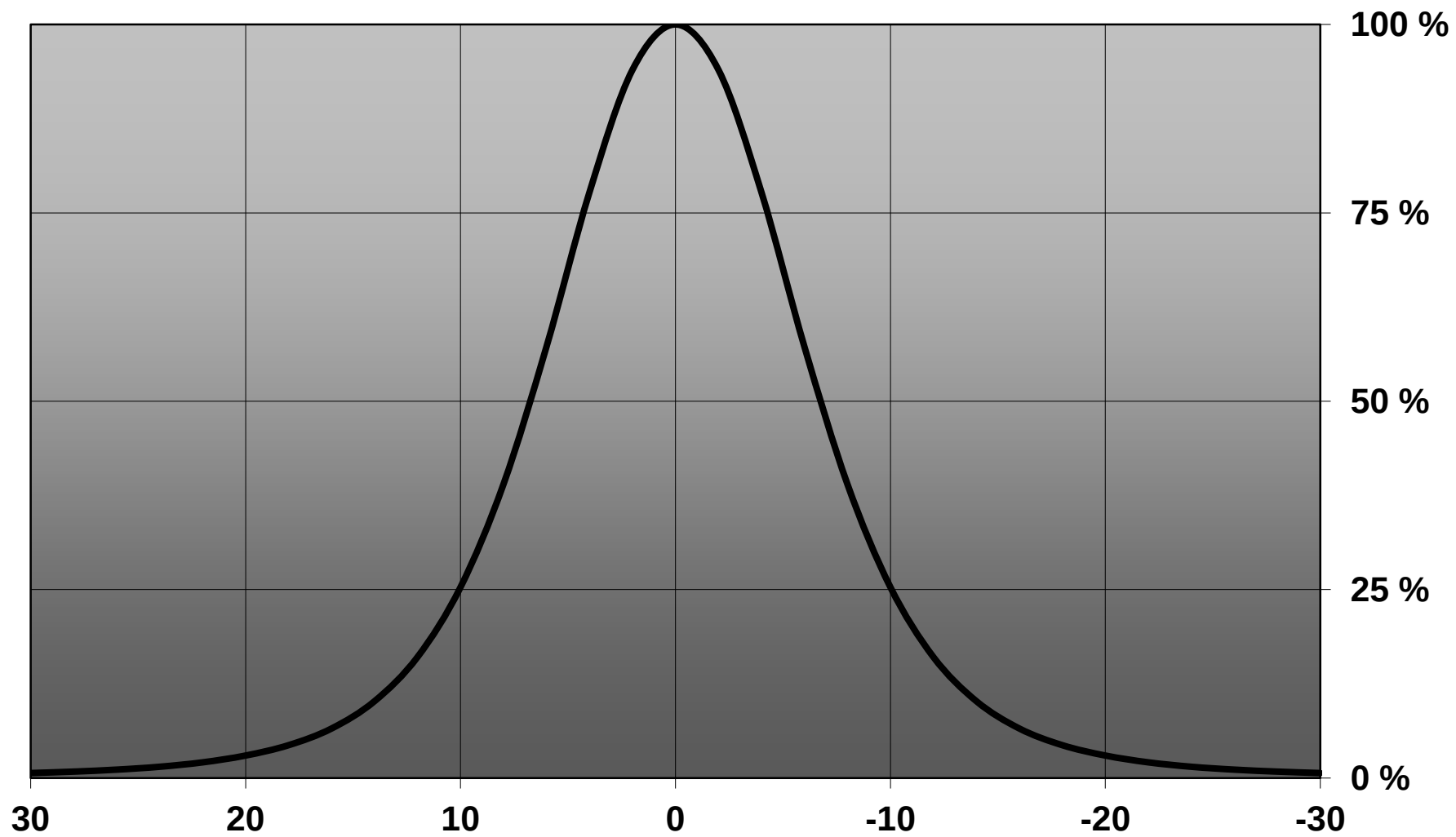
Relative intensity of FA10665_CXP-M_HEW



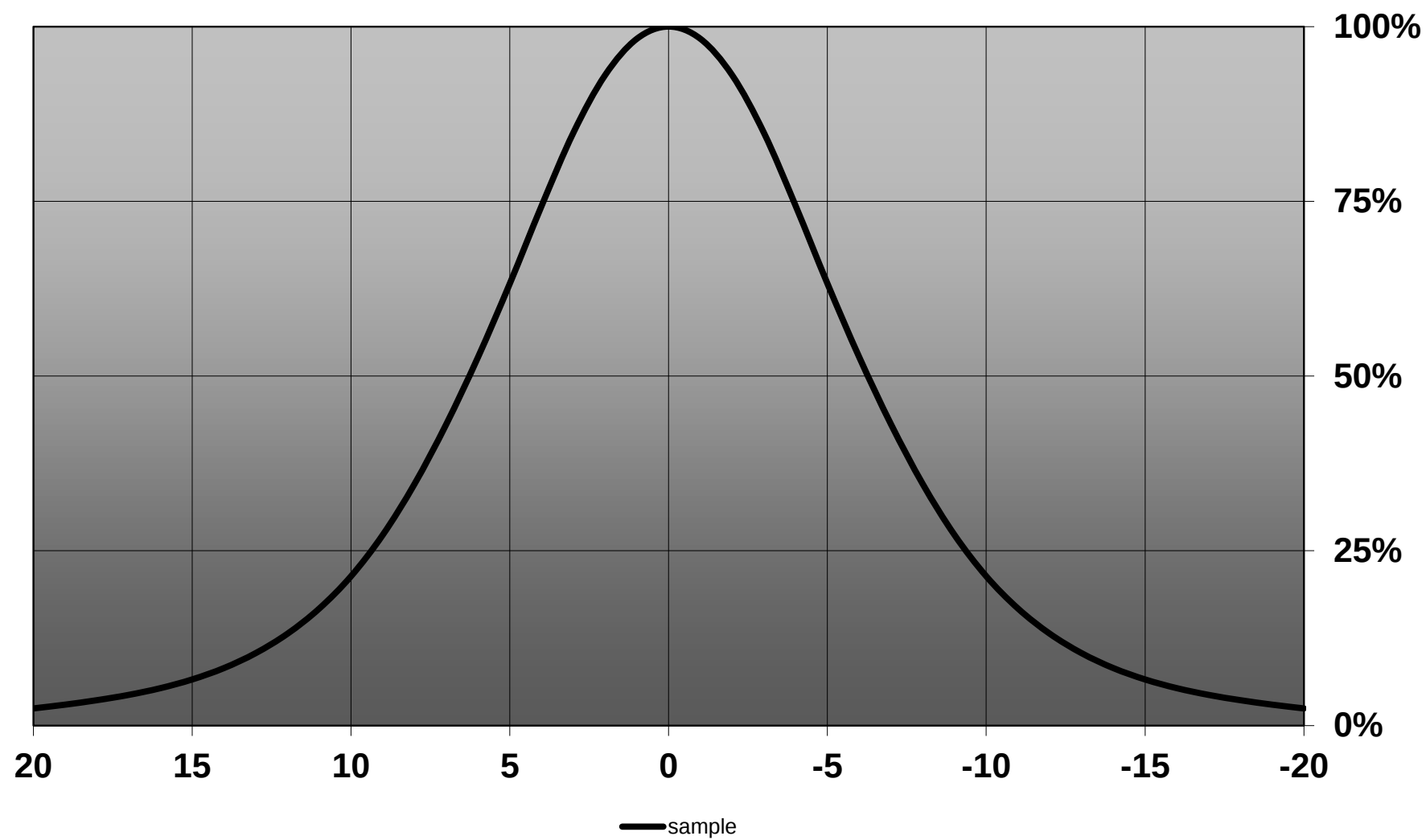
Relative Intensity of FA10665_CXP-M



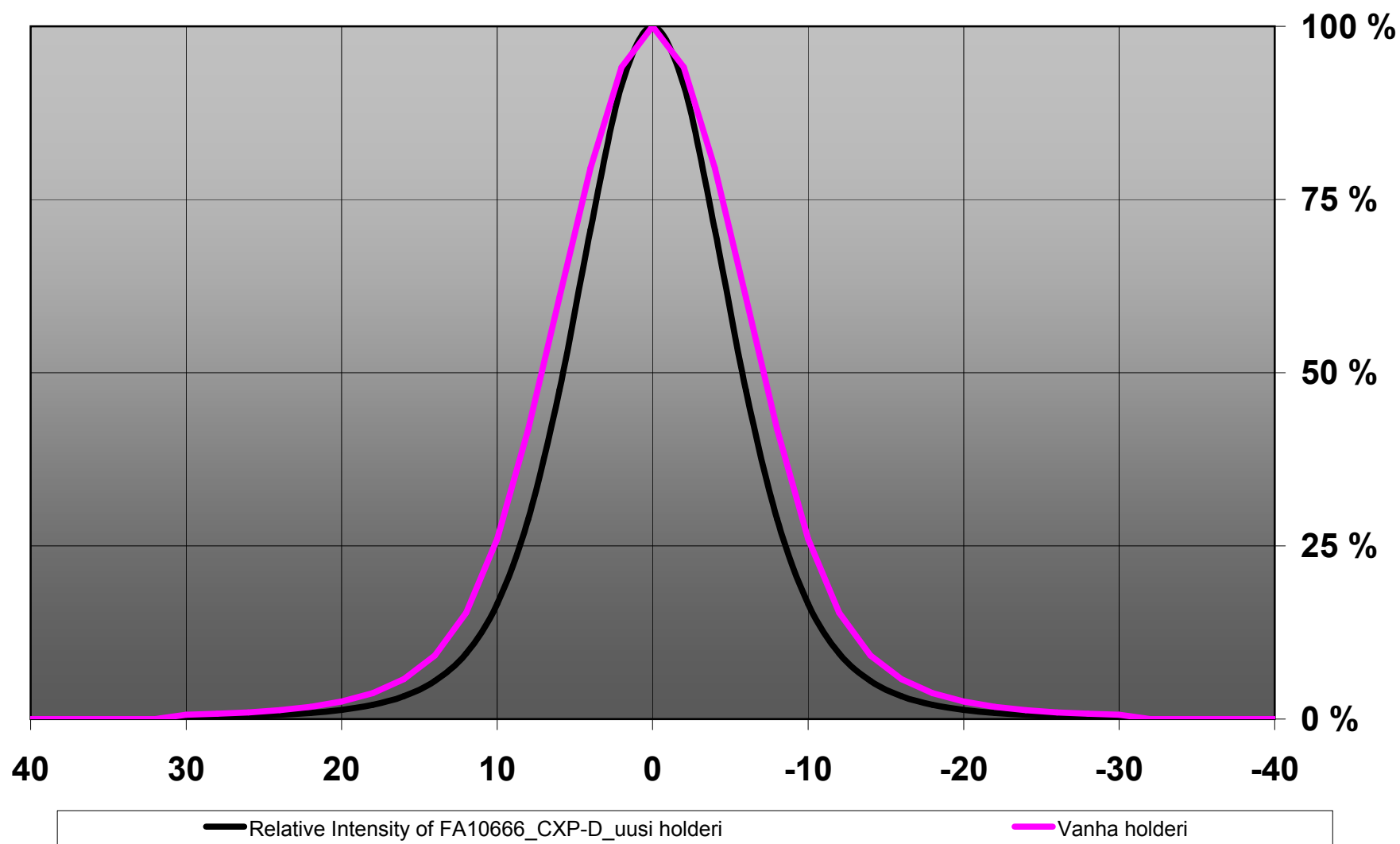
Relative Intensity of FA10666_CXP-D



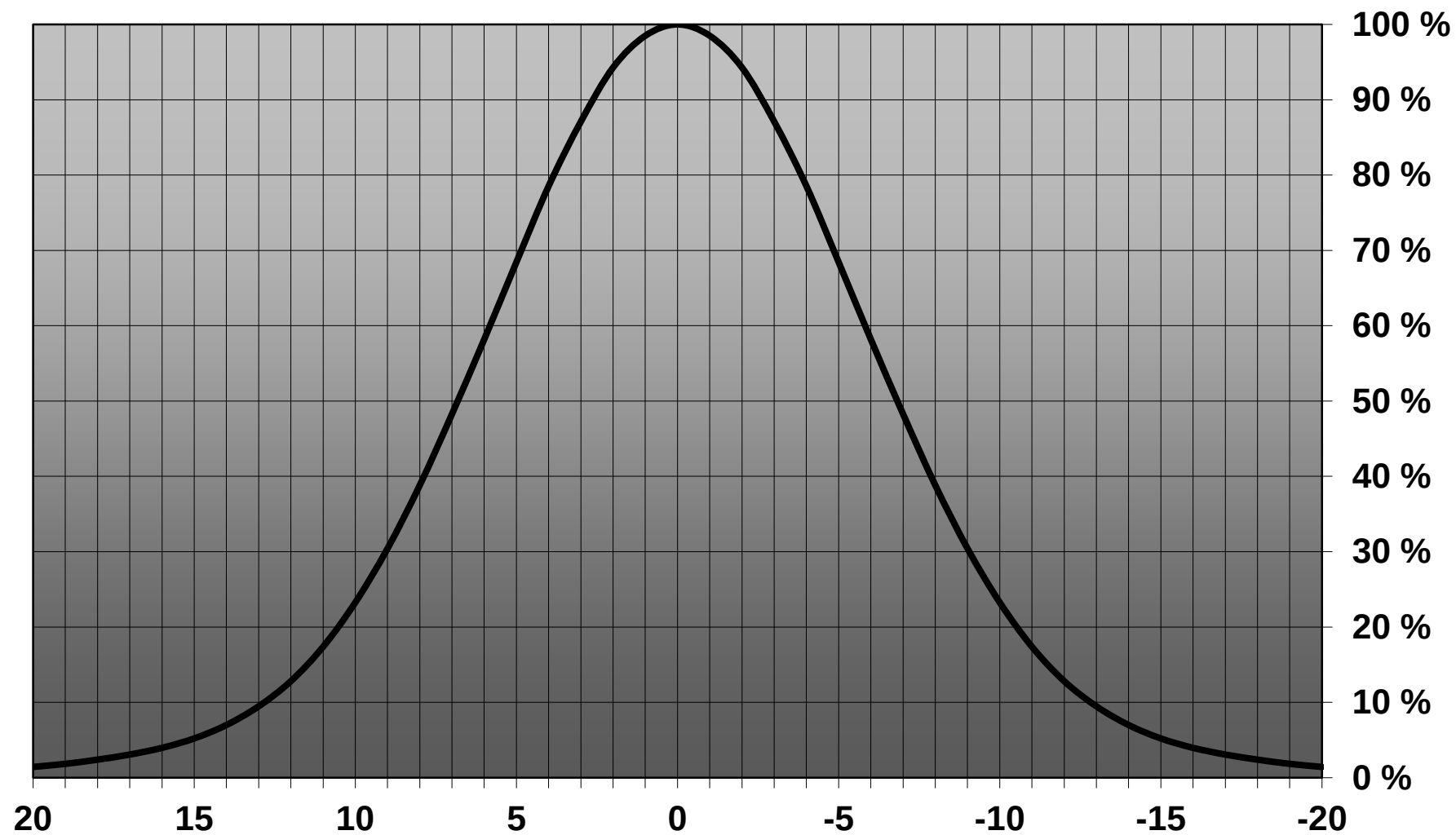
Relative intensity of FA10666_CXP-D_HEW



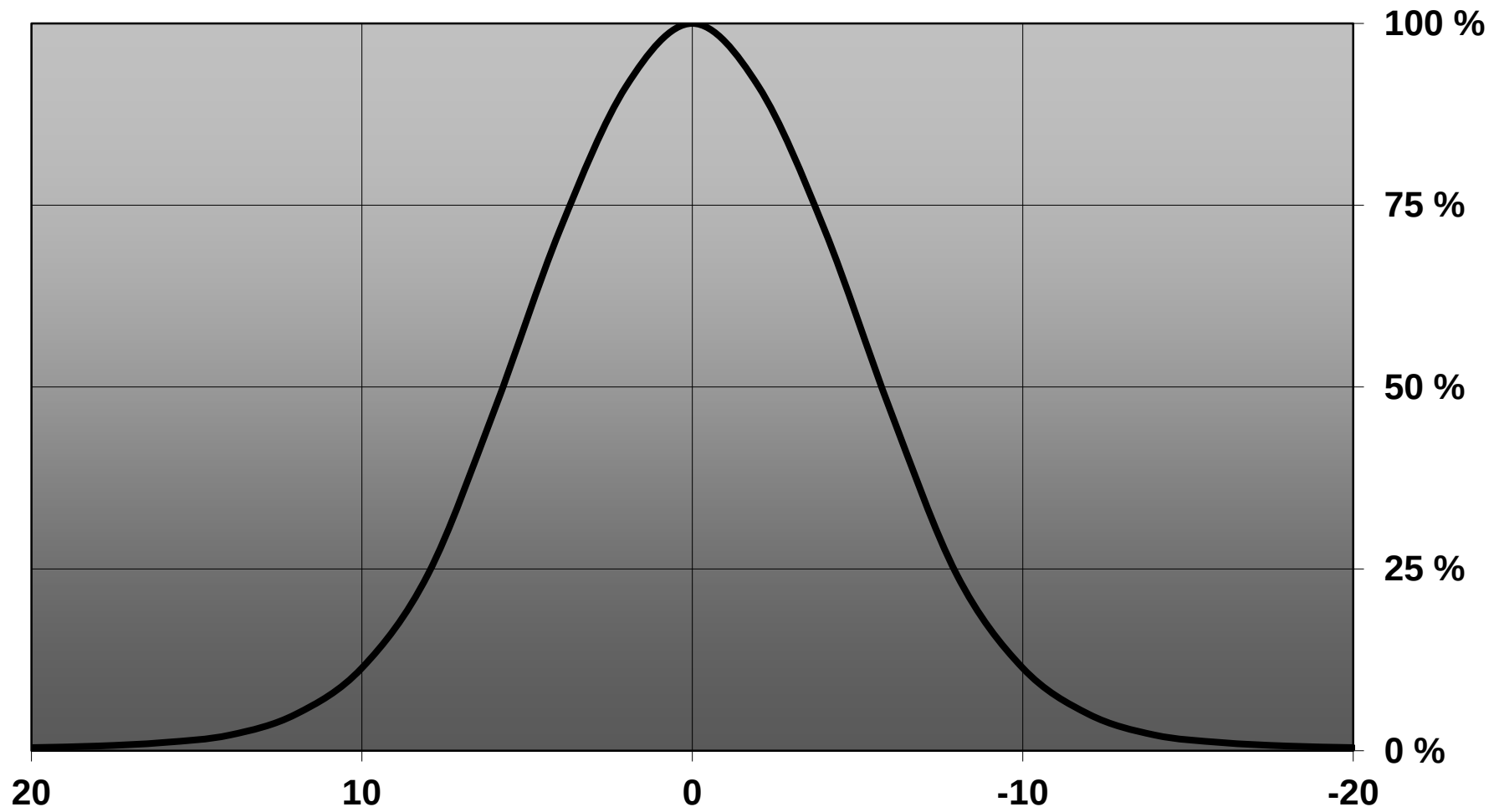
Relative Intensity of FA10666_CXP-D



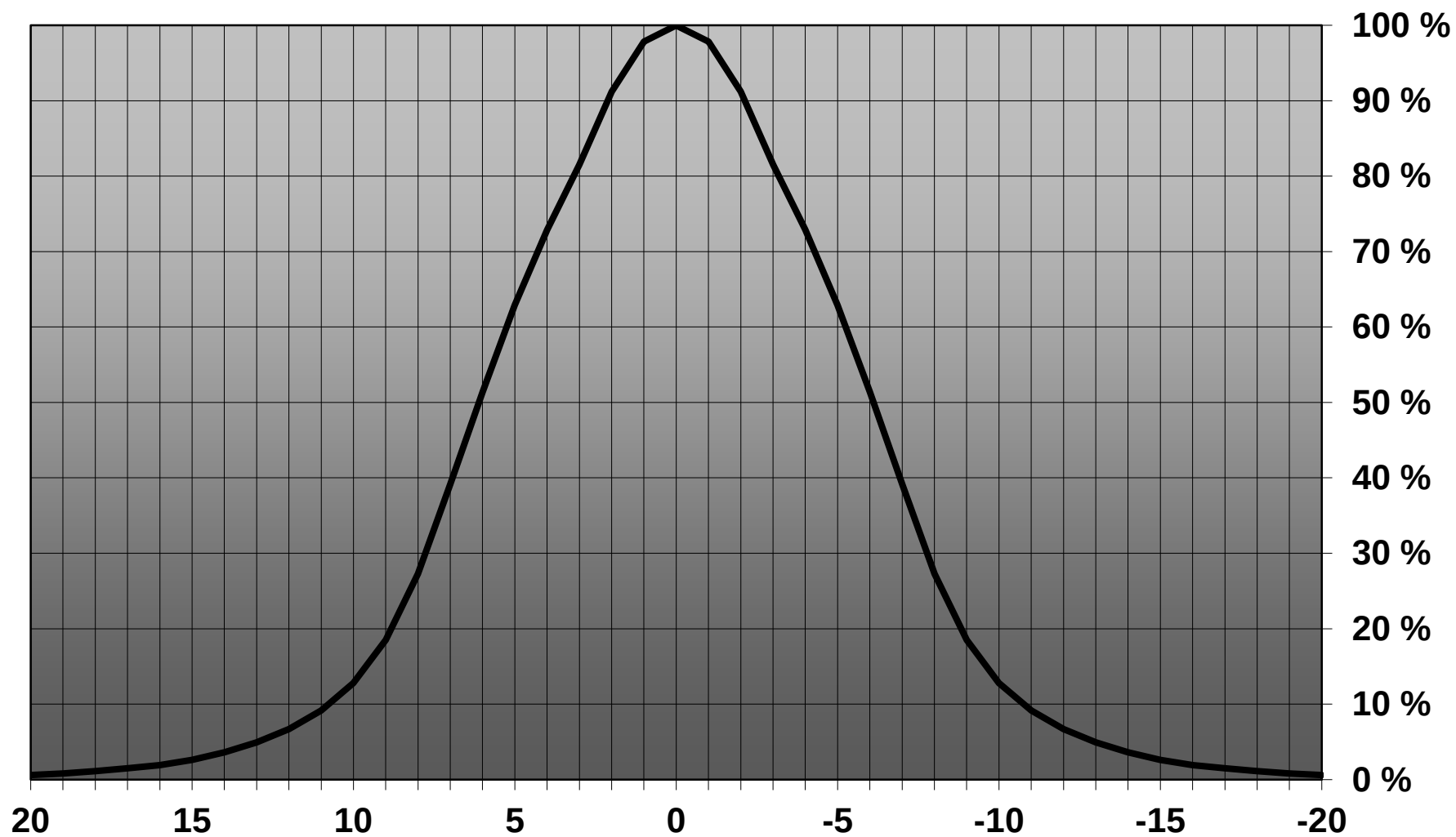
Relative Intensity of FA10667_CXP-G-SS



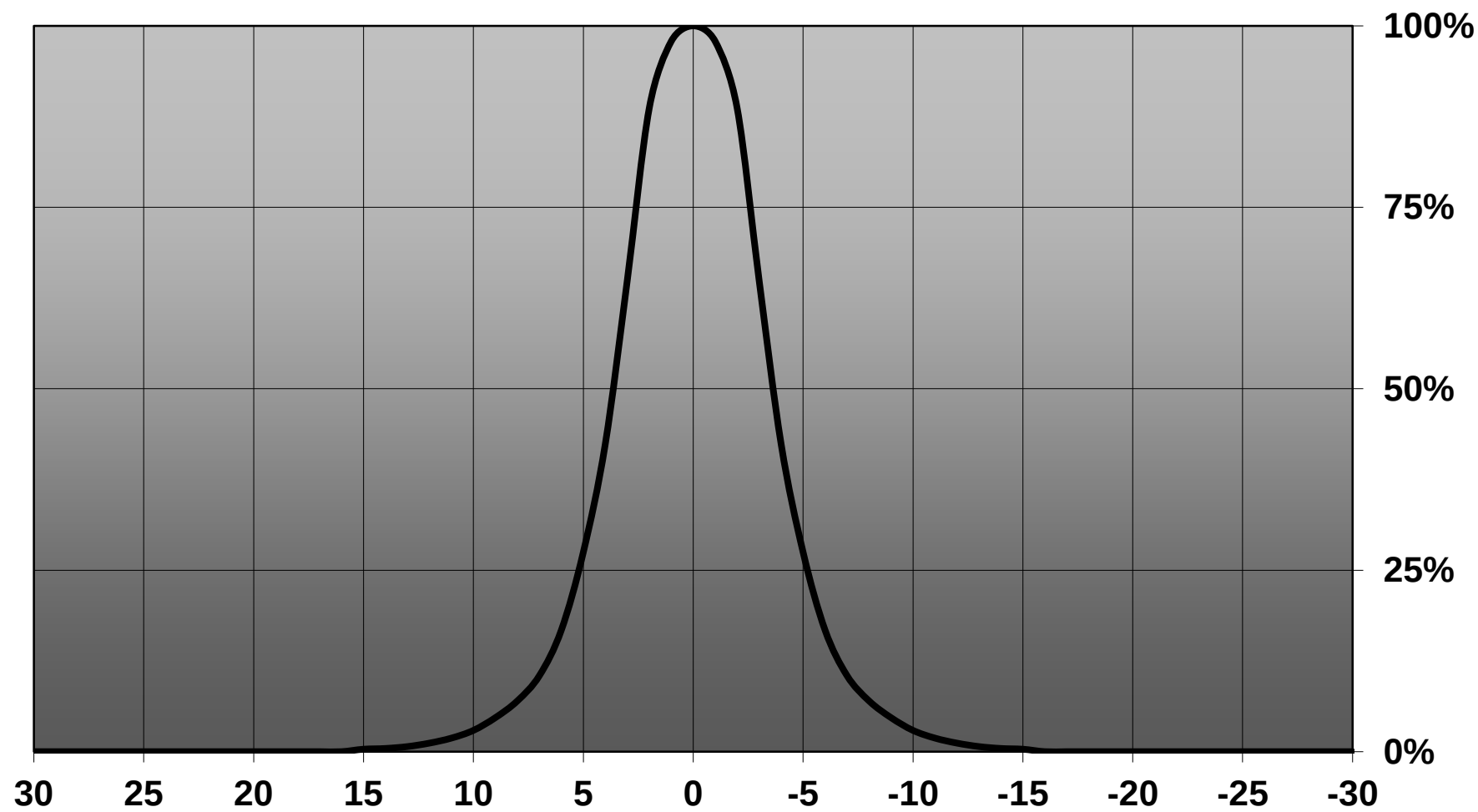
Relative Intensity of FA10667_CXP-SS



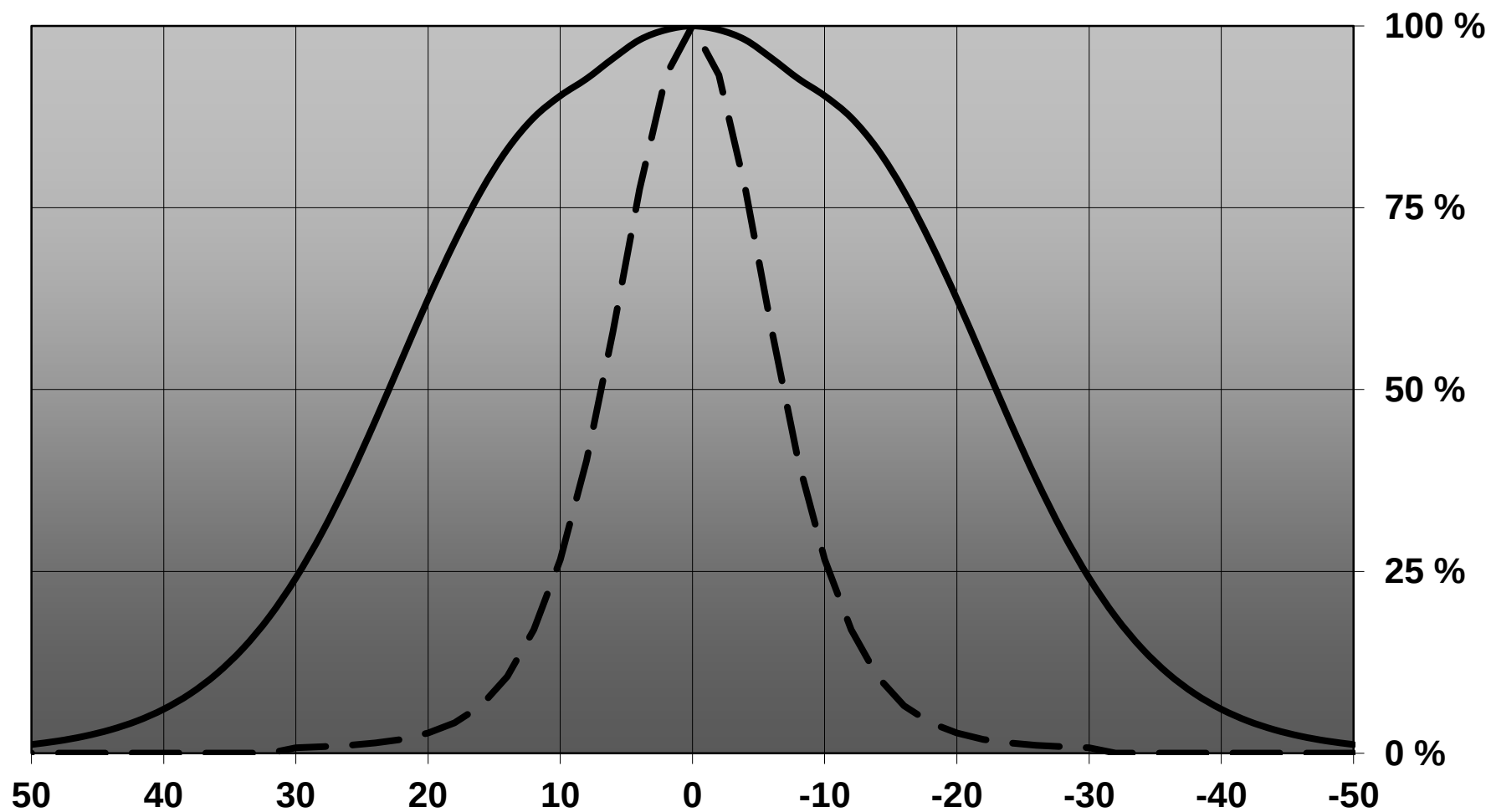
Relative Intensity of FA10668_CXP-G-RS



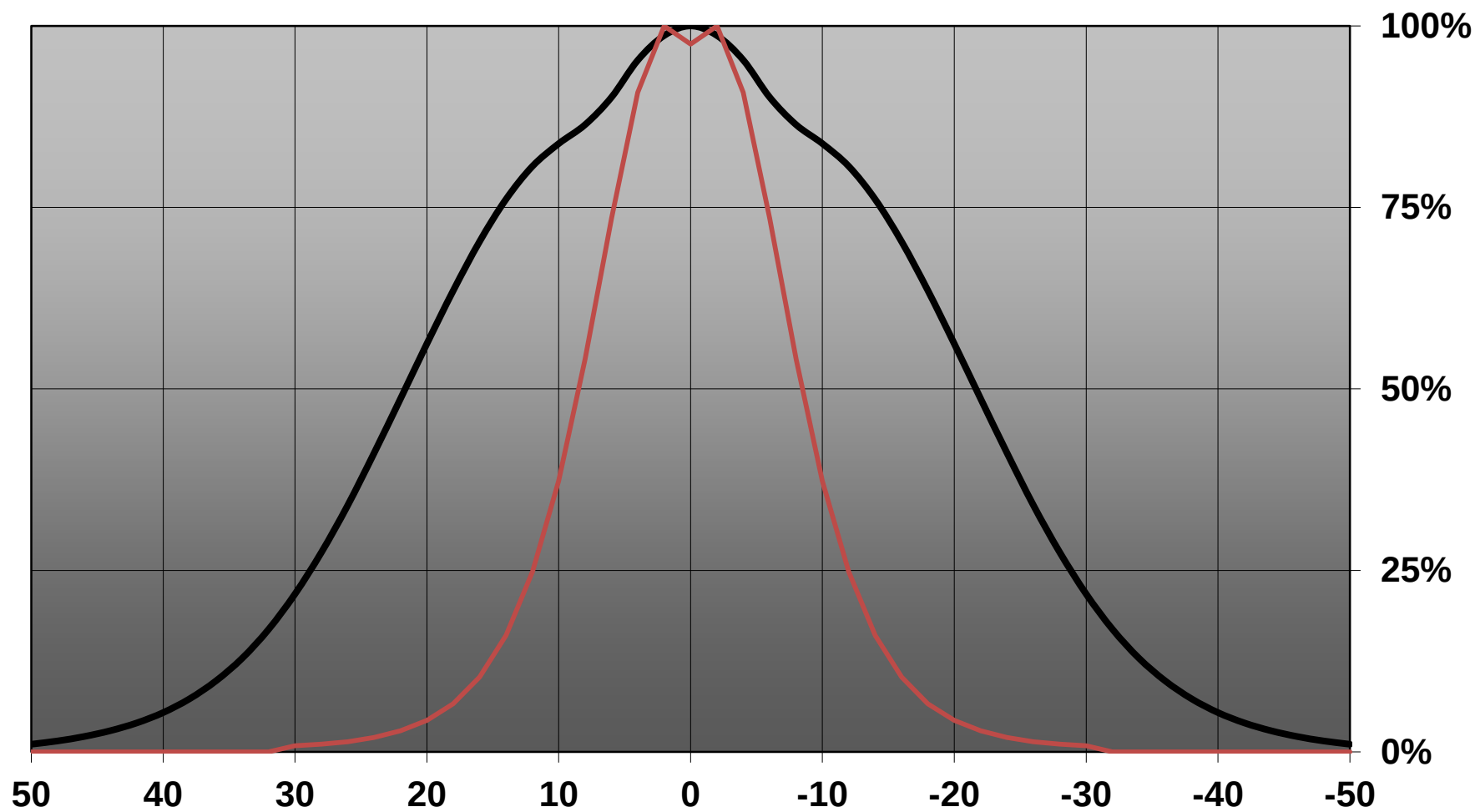
Relative Intensity of FA10668_CXP-RS



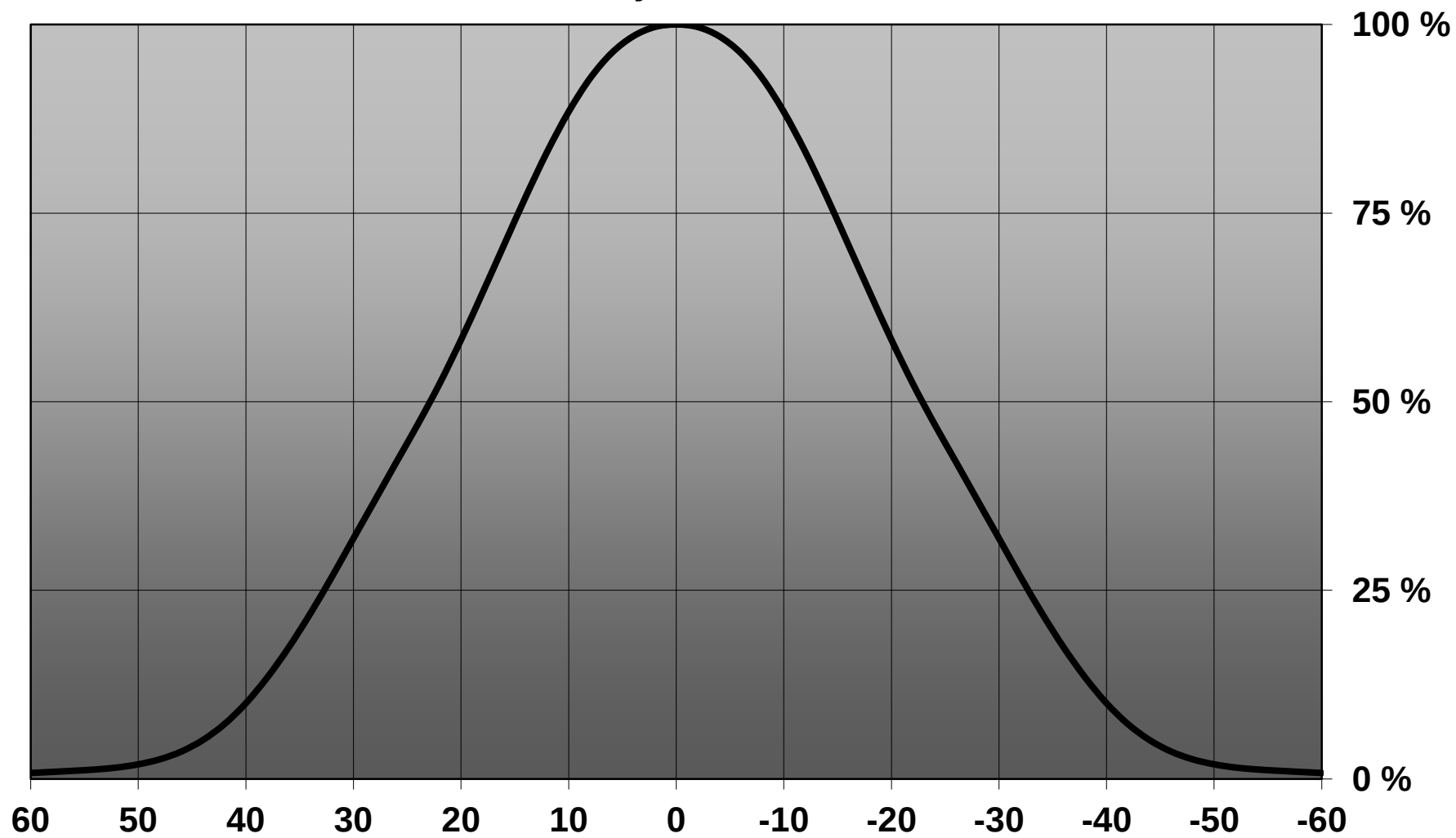
Relative Intensity of FA10669_CXP-G-O



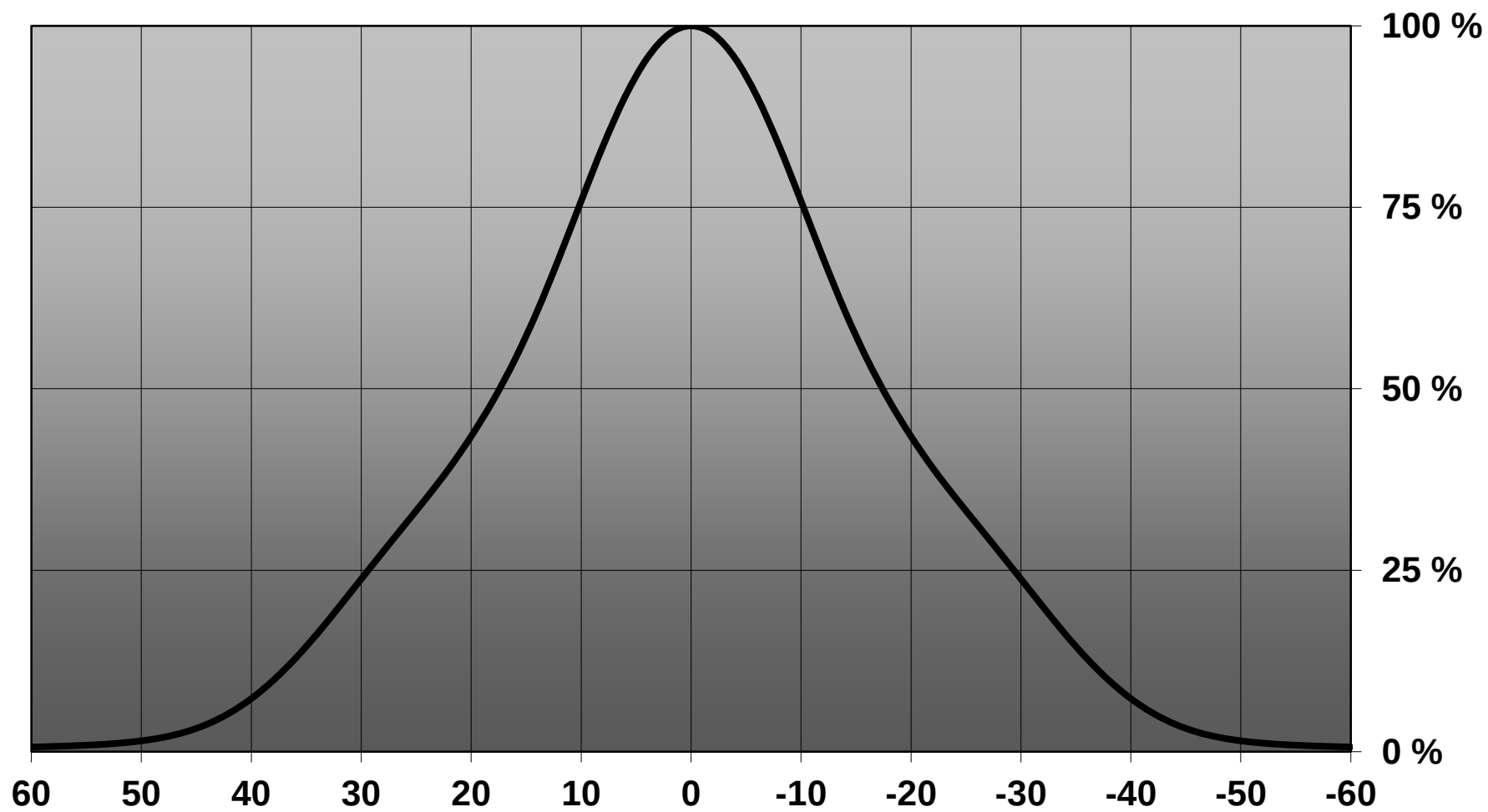
Relative intensity of FA10669_CXP-O



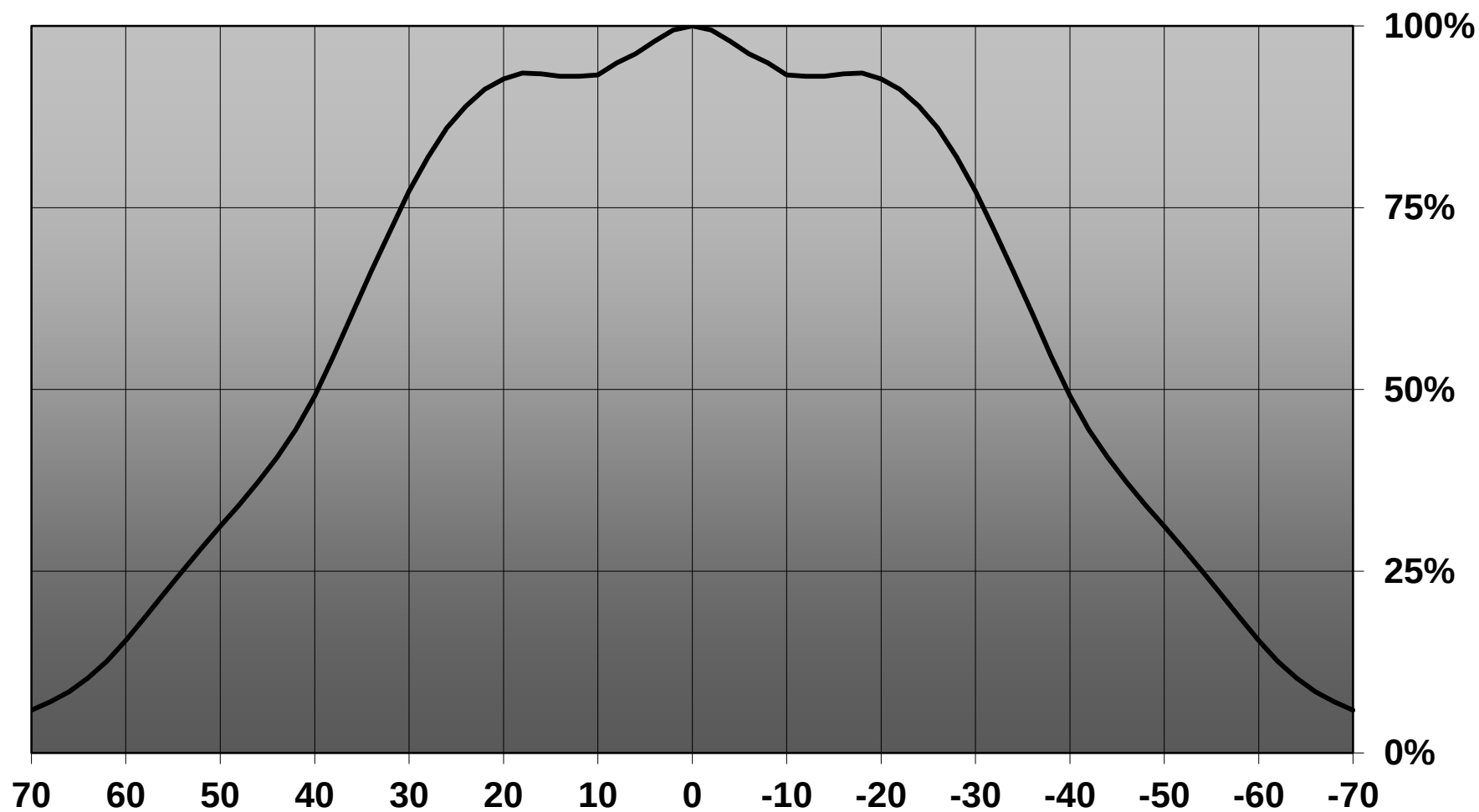
Relative Intensity of FA10708_CXP-G-W



Relative Intensity of FA10708_CXP-W



Relative intensity of CA12081_OSS2-WWW



D

C

B

A

4

4

3

3

2

2

Lens

Holder

Adhesive tape 0.4mm

13.5

21.6

21.6

MATERIALS

LENS: PC

HOLDER: PC

TAPE: PU foam

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h

DRAWING TITLE

Datasheet NIS083-series Assy

DRAWN BY

p

DATE

15.04.2009

CHECKED BY

H

DATE

31.1.2007

SIZE

A4

DRAWING NUMBER

REV

1

DESIGNED BY

HH

DATE

31.1.2007

SCALE

2:1

WEIGHT (g)

SHEET

1 / 1

D

A

1

1