

AW266-LS

High Power 2-Way All Weather Loudspeaker with 1 x 12" LF

Professional Series

Key Features:

- ▶ Weather-Resistant, All Fiberglass Enclosure
- ▶ EN54-24 Compliant
- ▶ 60° x 60° Coverage
- ▶ 2262H Differential Drive® Low-Frequency Driver
- ▶ 2432H High Frequency Compression Driver
- ▶ Large PT™ Progressive Transition waveguide for excellent pattern control and low distortion
- ▶ Available in Gray and Black finish
- ▶ 400 W, 70/100V Transformer Included
- ▶ U-type Mounting Bracket Included

Applications:

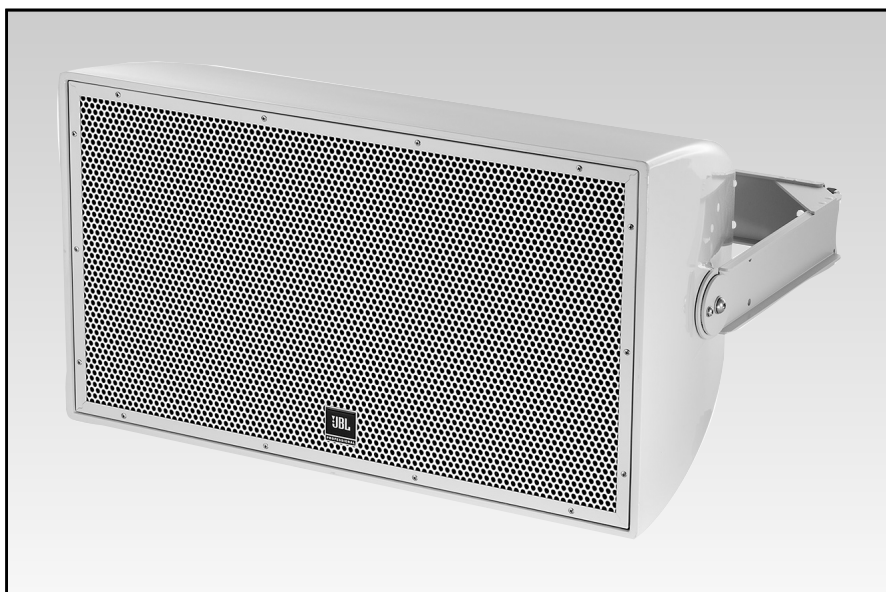
- ▶ Sports Facilities
- ▶ Themed Entertainment Venues
- ▶ Outdoor Entertainment Centers
- ▶ Cruise Ships
- ▶ Water Parks

The AW266-LS is a high power, lightweight, 2-way, full-range loudspeaker system comprised of the JBL Differential Drive dual voice coil and dual magnetic gap 2262H 300 mm (12 in) low-frequency driver and 2432H high-frequency 38 mm (1.5 in) exit, 75 mm (3 in) voice-coil compression driver. The large format Progressive Transition wave-guide provides excellent 60° x 60° coverage. The loudspeaker system can be used in either the vertical or horizontal orientation.

The enclosure is constructed of multilayer glass composite and is heavily braced to maximize low-frequency performance. The 16-gauge stainless steel grille, backed with open cell foam and stainless steel mesh, provides excellent protection in the harshest environments. The system can be operated as an 8-ohm device and is equipped with a 400W transformer for 70/100V applications.

A corrosion-resistant extra-thick zinc-plated polyester powder coated U-type mounting bracket is included.

The AW266-LS is part of JBL's AE Series, a versatile family of loudspeakers intended for a wide variety of applications.



Specifications:

System:				
Frequency Range (-10 dB):	54 Hz – 20 kHz			
Frequency Response (±3 dB):	102 Hz – 18 kHz			
Coverage Pattern:	60° x 60° waveguide			
Coverage Angle:	500 Hz	1000 Hz	2000 Hz	4000 Hz
Horizontal:	141°	54°	75°	59°
Vertical:	93°	63°	51°	35°
Directivity Factor (Q):	15.8			
Directivity Index (DI):	12 dB			
Crossover Frequency:	1.1 kHz			
Long-Term System Power Rating (IEC):	400 W (1600 W peak) 100 hrs			
Maximum SPL:	125 dB SPL (131 dB peak)			
Maximum SPL (@ 4m):	112.45 dB			
System Sensitivity (1W @ 1m):	98 dB			
Sensitivity (1W @ 4m):	87.16 dB SPL			
70V / 100V Transformer Taps:	70V: 400 W, 200 W, 100W 100V: 400W, 200W			
Transducers:				
Low Frequency Driver:	1 x JBL 2262H 300 mm (12 in) Differential Drive® driver with 75 mm (3 in) dual voice coil			
Nominal Impedance:	8 ohms			
Sensitivity ^a (1W @ 1m, within operational band):	96 dB SPL			
High Frequency Driver:	JBL 2432H, 38 mm (1.5 in) exit compression driver, 75 mm (3 in) voice coil			
Nominal Impedance:	8 ohms			
Sensitivity ^b (1W @ 1m):	113 dB SPL			
Waveguide:	PT-H66HF-1			
Physical:				
Enclosure:	Hand-Laminated Fiberglass, gray gelcoat (similar to Pantone 420C), available in black (-BK)			
Suspension Attachment:	2 x M10 for Included U-Bracket, 2 x M6 for aiming stabilization, 1 x M10 on rear for safety.			
Grille:	Three layer grille assemblies consisting of 16-gauge powder coated stainless steel, backed with open cell foam and stainless steel mesh.			
Input Connector:	CE-compliant covered barrier strip terminals. Barrier terminals accept up to 5.2 sq mm (10 AWG) wire or max width 9 mm (.375 in) spade lugs.			
Environmental Specifications:	IP55C per IEC 529			
Dimensions (H x W x D in horizontal cabinet orientation):	409 x 732 x 452 mm (16.1 x 28.8 x 17.8 in)			
Net Weight:	25.2 kg (55.5 lb)			

¹IEC standard, full bandwidth pink noise with 6 dB crest factor, 100 hours.

²Calculated based on power rating and sensitivity, exclusive of power compression.

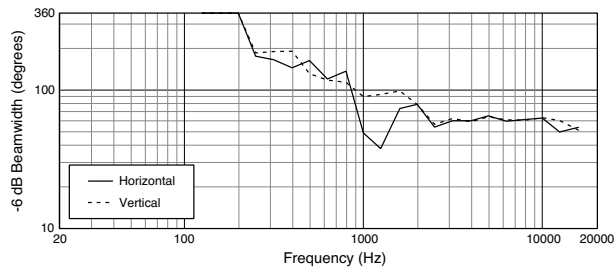
³Anechoic sensitivity in free field, no additional sensitivity gain from boundary loading.

⁴Per EN54-24 Components of voice alarm system - loudspeakers: 70V/400W (35V RMS, 70V peak), 100V/400W (50V RMS, 100V peak).

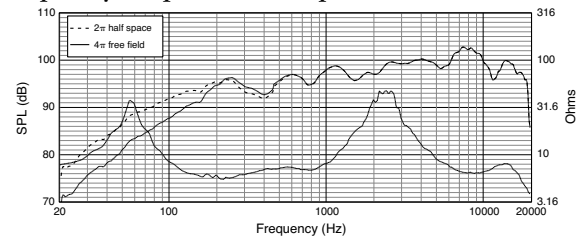
JBL continually engages in research related to product improvement. Changes introduced into existing products without notice are an expression of that philosophy.

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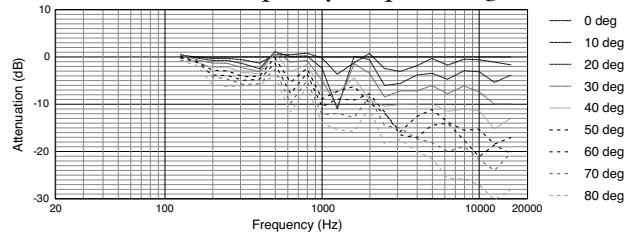
Beamwidth



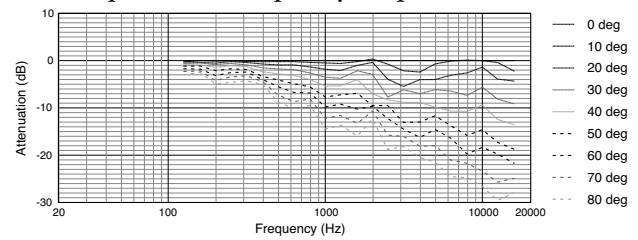
Frequency Response and Impedance



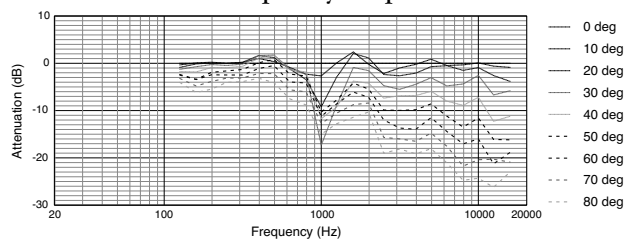
Horizontal Off-Axis Frequency Response Right



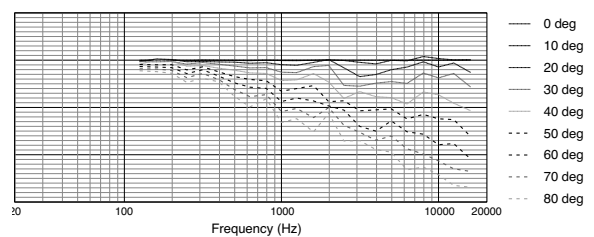
Vertical Up Off-Axis Frequency Response



Horizontal Off-Axis Frequency Response Left



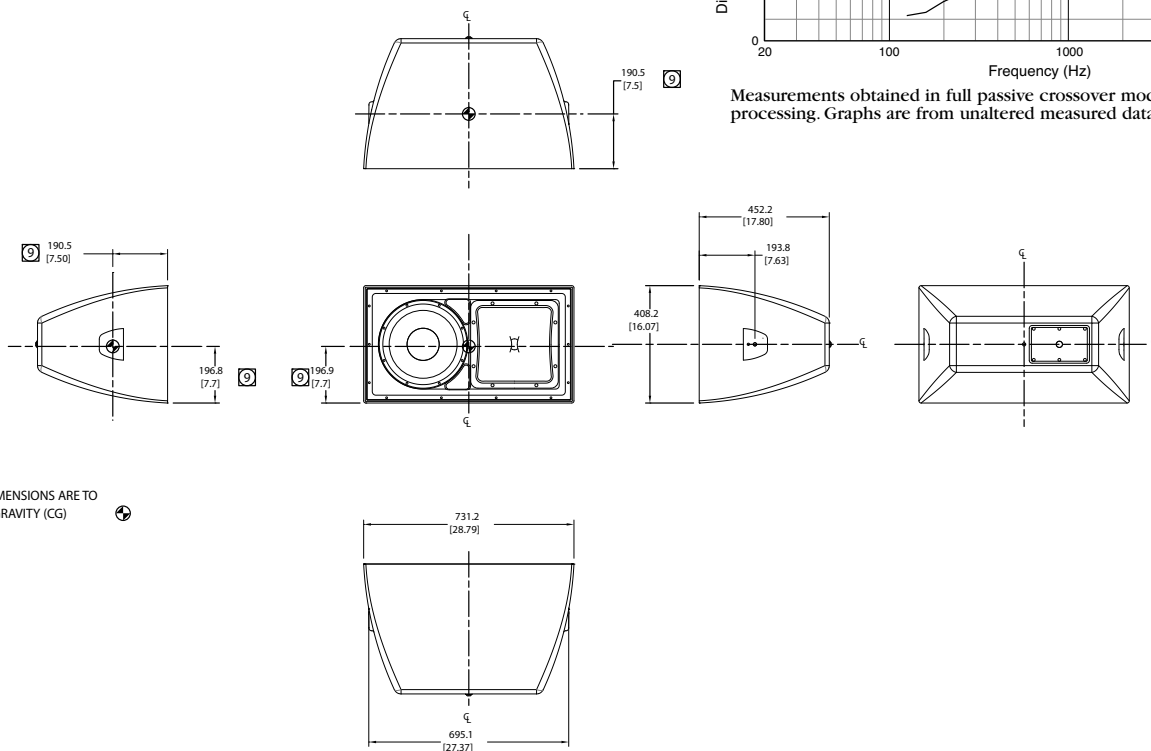
Vertical Down Off-Axis Frequency Response



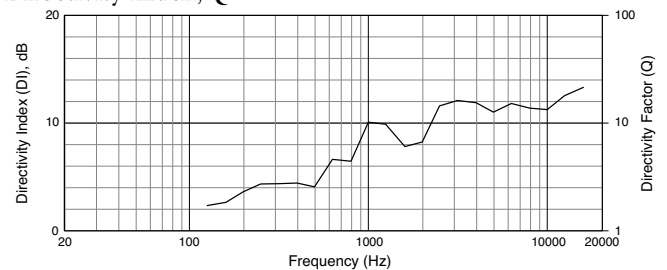
Dimensions

Dimensions in mm (in)

For more detailed dimensional information, refer to Application Data Sheet



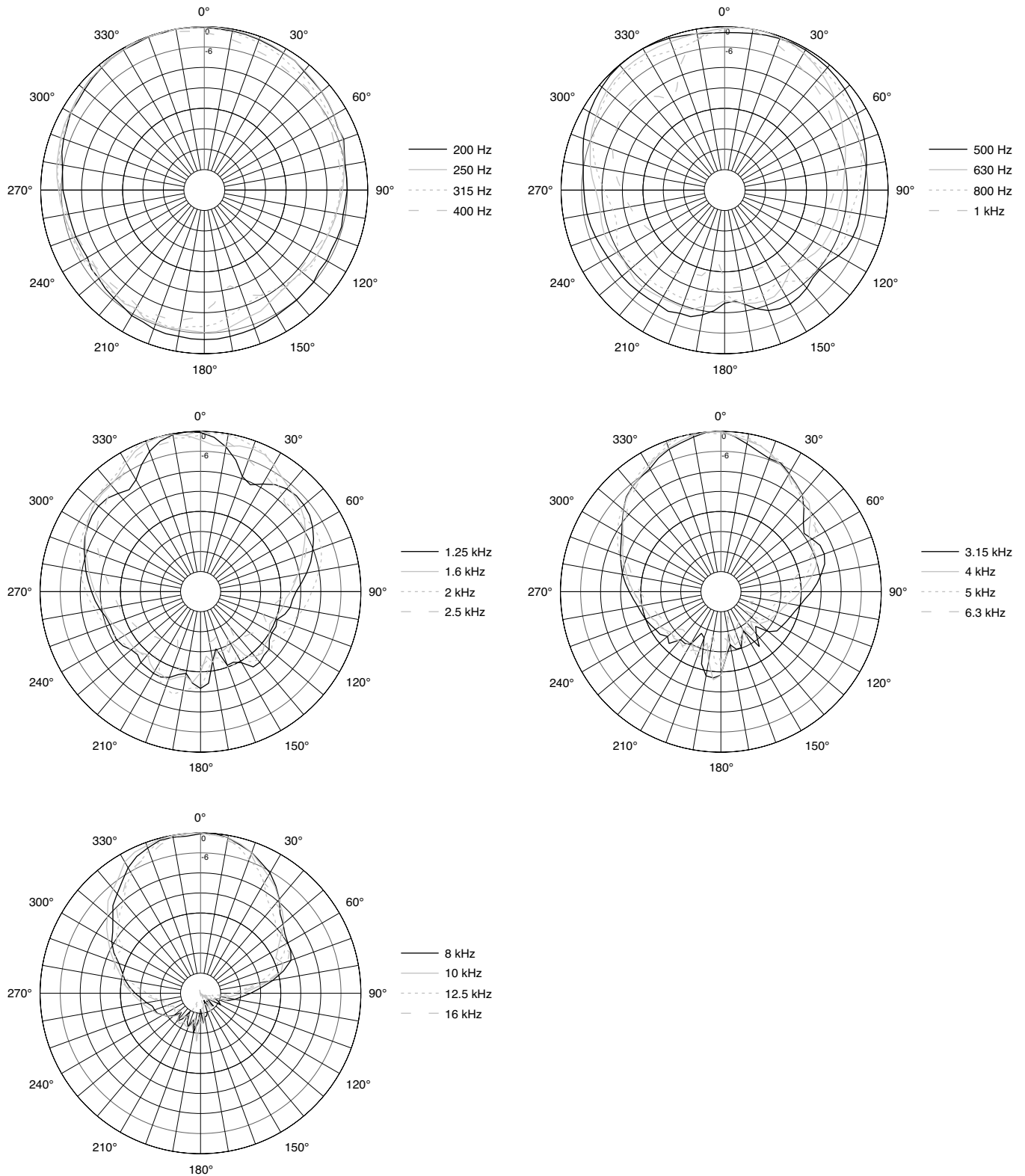
Directivity Index, Q



Measurements obtained in full passive crossover mode with no signal processing. Graphs are from unaltered measured data.

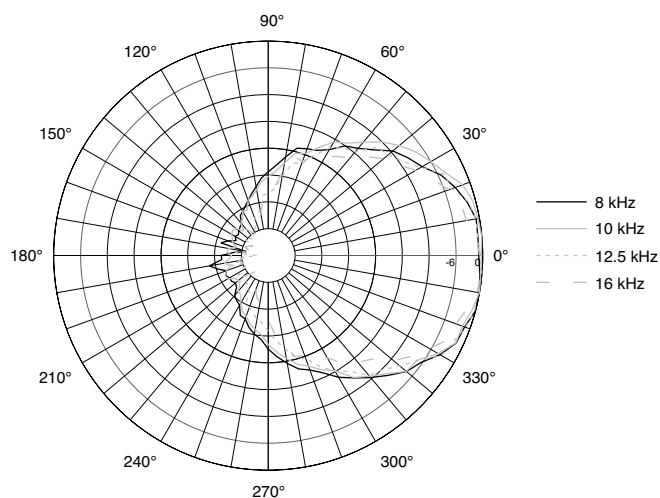
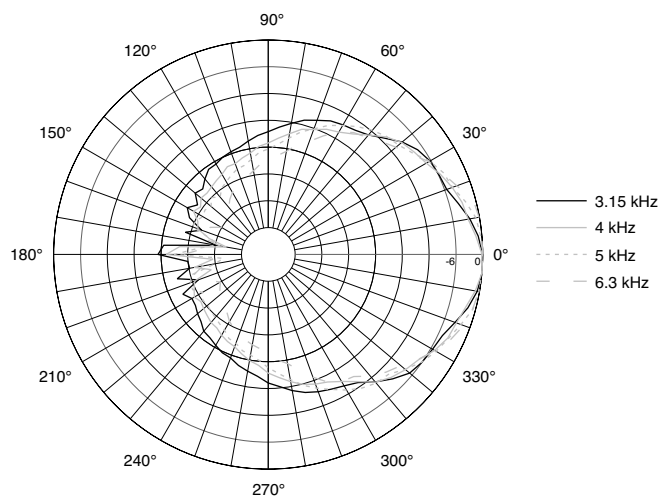
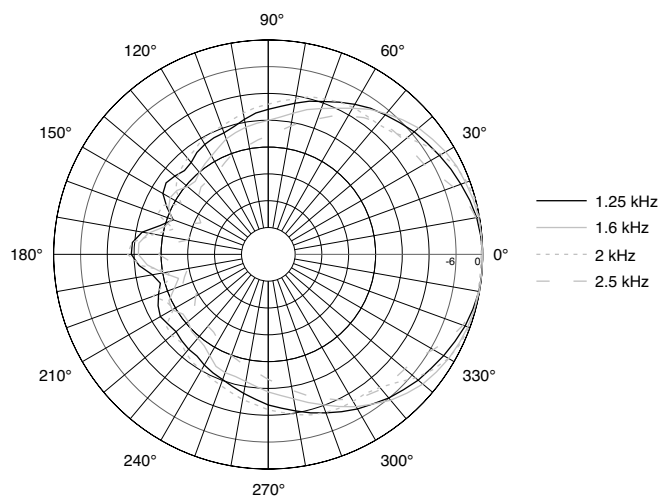
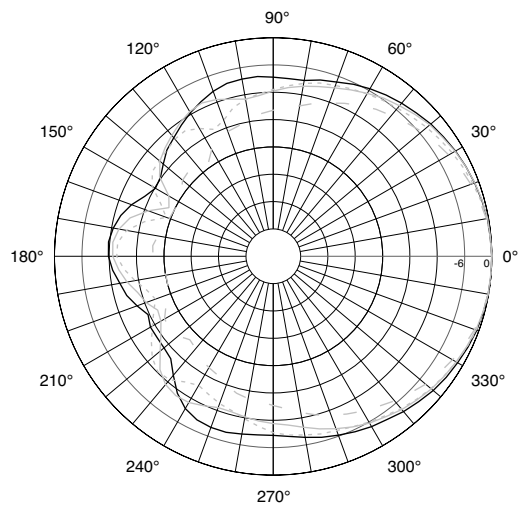
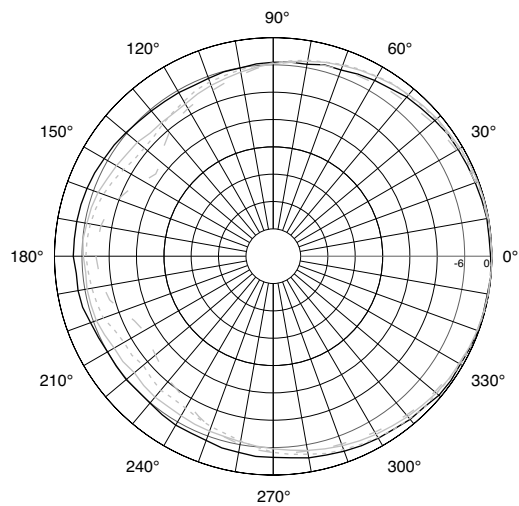
INDICATED DIMENSIONS ARE TO CENTER OF GRAVITY (CG)

Horizontal 1/3 Octave Polars



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Vertical 1/3 Octave Polars



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