

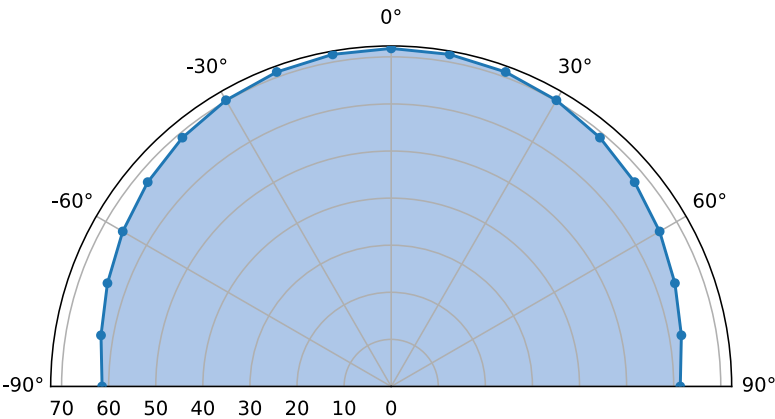
Surface diffusion measurement

ISO 17497-2 free-field polar-response measurement of the directional diffusion coefficient per ISO 17497-2:2012.

Client:	Example client	Manufacturer:	Example acoustics
Description:	1:1 single-plane Schroeder diffuser (N = 7)	Mounting:	Single-plane diffuser, normal-incidence source (0 deg)
Test room:	Anechoic goniometer (example), source at 10 m, arc at 5 m	Date of test:	2026-07-21
Temperature [°C]:	20	Relative humidity [%]:	50
Ambient pressure [kPa]:	101		

Corrected polar response L per receiver angle

Angle θ [°]	L [dB]
-90.0	61.4
-80.0	62.6
-70.0	64.1
-60.0	65.8
-50.0	67.5
-40.0	69.0
-30.0	70.2
-20.0	71.1
-10.0	71.6
0.0	71.8
10.0	71.6
20.0	71.1
30.0	70.2
40.0	69.0
50.0	67.5
60.0	65.8
70.0	64.1
80.0	62.6
90.0	61.4



Directional diffusion coefficient **d** = 0.67

Laboratory: Phonometry reference example

Report no.: EXAMPLE-17497-2P

Date: 2026-07-21

Operator: phonometry Signature: _____

■ The results relate only to the tested specimen.
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