



Manufacturer's Information

Test No. 22-5620: Shooting Reconstruction - Angle Determination

Each sample set contained a wooden box that consisted of one entrance hole, one exit hole, and a "TOP" label to distinguish the orientation of the box. In addition, one "A" label and one "1" label were placed on opposite sides of the box to assist participants when reporting the entrance/exit holes and direction of travel. Participants were requested to determine the entrance hole, the direction of travel and calculate the angles. The front of the box containing the "1" label was associated with the entrance hole and the direction of travel was right to left, downward. The angles as measured during production are described below.

PRODUCTION: The sample was placed onto a fixed angle set up (jig). A 9mm CZ Scorpion EVO firearm was affixed above the jig and a digital angle finder was placed on the jig to confirm the angle to be shot.

The Horizontal (Azimuth) angle was measured at 16° from perpendicular, 106° left to right or 74° right to left. The Vertical angle was measured downward at 42° or 48° upward.

VERIFICATION: Two of the three predistribution laboratories reported Horizontal and Vertical angles within +/- 5° from the expected responses. The last predistribution laboratory did not report angle measurements due to their laboratory policy.