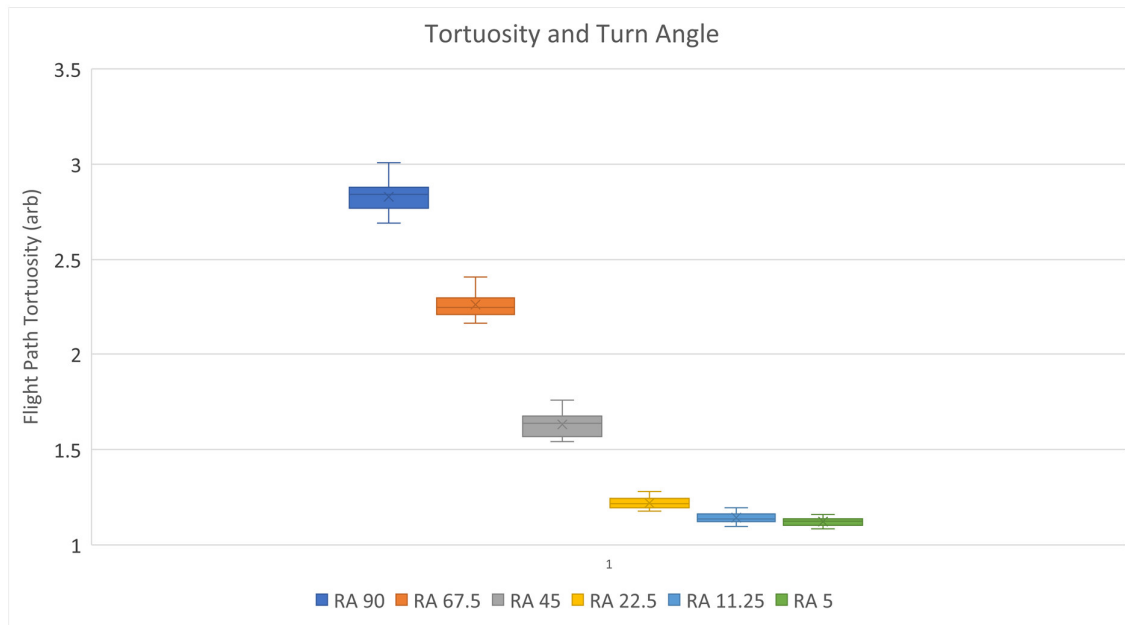




S7 Chart.

Plot of changing flight path tortuosity metric at different turn angles. Flight path tortuosity is computed per mosquito, per time step as a comparison between 50 contiguous flight movements in a moving window. The window covers 50 scheduler steps of *uninterrupted* movement throughout the entire 1hr experiment and path comparison is by comparing mosquito positional vector at each of these 50 steps against the Euclidean straight line between start point t_0 and end point t_{50} . A value of 1 would indicate a perfectly straight track between the points. Values greater than 1 indicate higher path tortuosity. Higher path tortuosity corresponds to increased foraging within a particular spatial region. Lower path tortuosity corresponds to decreased foraging within a particular spatial region.