Parlé ceiling microphone calculator

This calculator calculates the coverage area of Parlé ceiling Beamtracking™ microphones based on its height above talkers in the room. Once the coverage area has been determined, the lower half of the calculator can also calculate how many microphones are required to adequately cover an area.

Step 1 – Calculate microphone coverage area
Microphone model: TCM-X
Ceiling height in feet and inches
Talker Height: Sitting, Standing, Custom
Talker height above floor in feet and inches
Room Acoustics: Poor, Fair, Good, Great, Perfect, Custom

What do these settings mean?
Max. mic-to-talker distance in feet
Click here to listen to sample TCM-1 recordings at different distances

Step 2 – Calculate required number of microphones
Room length in feet
Room width in feet
Coverage overlap: More, Less, Custom
Microphone coverage overlap in %

Distance Map, Coverage Circles