Subject: Re: Klipsch KP-3002 Crossover Mods
Posted by Wayne Parham on Tue, 21 Aug 2012 02:58:30 GMT
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The H290C horn I use has an oblate spheroidal flare profile, something often called a waveguide these days. It provides constant beamwidth, smooth response and minimum wavefront distortion.

The R1/R2/C1 network is used to tailor response for compression drivers on constant directivity horns. See the following links for more information:
High-Fidelity Uniform-Directivity Loudspeakers
Crossover configuration
Notes for the DIYer