Figure 146. The power spectrum of surface pressure fluctuations at $\alpha = 10^\circ$, $x/L = 0.772$, $\phi = 140^\circ$ made non-dimensional using $\nu/\bar{u}^2$ as the time scale and $\tau_w$ as the pressure scale. Also shown is the curve that bounds the Analytical Integral Contribution (AIC) to $\bar{p}^2$ at $\alpha = 10^\circ$, $x/L = 0.772$, $\phi = 140^\circ$. 
Figure 147. The power spectrum of surface pressure fluctuations at $\alpha = 20^\circ$, $x/L = 0.772$, $\phi = 130^\circ$ made non-dimensional using $\nu/\sqrt{\tau}$ as the time scale and $\tau_w$ as the pressure scale. Also shown are the curves that bound the Analytical Integral Contribution (AIC) to $\overline{p^2}$ at $\alpha = 20^\circ$, $x/L = 0.772$, $\phi = 130^\circ$. 
Figure 148. Variation of RMS wall pressure fluctuations with $\phi$ position: $\diamond$, $\alpha = 10^\circ$, $x/L = 0.600$; $\bigcirc$, $\alpha = 10^\circ$, $x/L = 0.772$; $\Delta$, $\alpha = 20^\circ$, $x/L = 0.600$; $\Box$, $\alpha = 20^\circ$, $x/L = 0.772$. The solid symbols immediately above the $\phi$-axis denote the location of primary separation (Wetzel et al., 1998). The open symbols immediately above the $\phi$-axis denote the approximate location of the shed vortex core. The letters R, V, and S denote the location of reattachment, secondary vortex core, and secondary separation, respectively, for $\alpha = 20^\circ$, $x/L = 0.772$. 

FIGURES