**Table 4-1** Level Symmetric $S_N$ Quadrature Sets $LQ_n$[a]

| Level | $n$ | $\mu_n$ | $w_n$[b] |
|---|---|---|---|
| $S_4$ | 1 | 0.3500212 | 0.3333333 |
| | 2 | 0.8688903 | |
| $S_6$ | 1 | 0.2666355 | 0.1761263 |
| | 2 | 0.6815076 | 0.1572071 |
| | 3 | 0.9261808 | |
| $S_8$ | 1 | 0.2182179 | 0.1209877 |
| | 2 | 0.5773503 | 0.0907407 |
| | 3 | 0.7867958 | 0.0925926 |
| | 4 | 0.9511897 | |
| $S_{12}$ | 1 | 0.1672126 | 0.0707626 |
| | 2 | 0.4595476 | 0.0558811 |
| | 3 | 0.6280191 | 0.0373377 |
| | 4 | 0.7600210 | 0.0502819 |
| | 5 | 0.8722706 | 0.0258513 |
| | 6 | 0.9716377 | |
| $S_{16}$ | 1 | 0.1389568 | 0.0489872 |
| | 2 | 0.3922893 | 0.0413296 |
| | 3 | 0.5370966 | 0.0212326 |
| | 4 | 0.6504264 | 0.0256207 |
| | 5 | 0.7467506 | 0.0360486 |
| | 6 | 0.8319966 | 0.0144589 |
| | 7 | 0.9092855 | 0.0344958 |
| | 8 | 0.9805009 | 0.0085179 |

[a] Data from Ref. 5.

[b] See Fig. 4-3 for ordinate directions corresponding to weight $w_n$