

$$\text{Equation 4.1.2-1} \quad \frac{q_c(T_j)}{N} = X(T_j) * \dot{Q}_c(T_j) * \frac{n_j}{N}$$

Where:

$$X(T_j) = \left\{ \begin{array}{l} BL(T_j)/\dot{Q}_c(T_j) \\ \text{or} \\ 1 \end{array} \right\} \text{ whichever is less; the cooling mode load factor for}$$

temperature bin j, dimensionless.

$\dot{Q}_c(T_j)$  = the space cooling capacity of the test unit when operating at outdoor temperature,  $T_j$ , Btu/h.

$n_j/N$  = fractional bin hours for the cooling season; the ratio of the number of hours during the cooling season when the outdoor temperature fell within the range represented by bin temperature  $T_j$  to the total number of hours in the cooling season, dimensionless.