

**Table III. Mass Action Ratio,  $R$  (See Text) of the 3-Phosphoglycerate Reducing System and Pi Levels in Maize Mesophyll Chloroplasts Under Different Light Intensities**

The pH of the stroma was assumed to be 8.1 and 7.4 in the light and the dark, respectively. The equilibrium constant of the PGA reducing system is  $7.25 \times 10^{-7}$  (37).

Experiment	Light Intensity $\mu E \cdot m^{-2} \cdot s^{-1}$	Pi <i>mM</i>	$R$ $\times 10^{-7}$
1	0	19.0, 20.3	76.3, 69.4
2	75	15.4, 13.5	8.37, 8.69
3	200	17.1, 11.2	6.06, 6.97
4	400	10.2, 11.2	9.24, 7.27
5	800	10.0, 16.3	7.71, 3.99
6	1300	10.8, 10.8	8.14, 5.93
Mean of experiments 2 to 6			$7.24 \pm 1.57$