Table 1. Variac versus Light Intensity

|  |  |
| --- | --- |
| **Variac (V)** | **Light Intensity W/m2** |
| 120 |  |
| 110 |  |
| 100 |  |
| 90 |  |
| 80 |  |
| 70 |  |
| 60 |  |
| 50 |  |
| 40 |  |
| 30 |  |
| 20 |  |
| 10 |  |

Table 2. Open Circuit Voltage and Short Circuit Current

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variac (Volts) | Voc | | Isc | |
| Voc (V) | Thermistor(KΩ) | Isc(A) | Thermistor(KΩ) |
| 120 |  |  |  |  |
| 110 |  |  |  |  |
| 100 |  |  |  |  |
| 90 |  |  |  |  |
| 80 |  |  |  |  |
| 70 |  |  |  |  |
| 60 |  |  |  |  |
| 50 |  |  |  |  |
| 40 |  |  |  |  |
| 30 |  |  |  |  |
| 20 |  |  |  |  |
| 10 |  |  |  |  |

Table 3. Temperature Effect on Voc

|  |  |  |
| --- | --- | --- |
| Thermistor around 5k @~23◦C  (room temperature) | Fluke IR ◦C | Voc @ 60V variac |
|  | room temp |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  | 80 ◦C (maximum) |  |