

# Biospherical Instruments Inc.

DO NOT DESTROY  
Biospherical Instruments Inc.  
CALIBRATION DATA

## CALIBRATION CERTIFICATE

Calibration Date 2/14/01  
Model Number QSR-2240A  
Serial Number 16500  
Operator TPC  
Standard Lamp 94532(03/13/98)  
Probe Excitation Voltage Range: 5 to 18 VDC(+)  
Output Polarity: POSITIVE

### Probe Conditions at Calibration(in air):

Calibration Voltage: 6 VDC(+)  
Probe Current: 3.6 mA

### Probe Output Voltage:

Probe Illuminated 70.3 mV  
Probe Dark 0.5 mV  
Probe Net Response 69.8 mV

### Corrected Lamp Output:

Output In Air (same condition as calibration):

8.55E+15 quanta/cm<sup>2</sup>sec  
0.014 uE/cm<sup>2</sup>sec

### Calibration Factor:

(To calculate irradiance, divide the net voltage reading in Volts by this value.)

Dry: 8.16E-18 V/(quanta/cm<sup>2</sup>sec)  
4.92E+00 V/(uE/cm<sup>2</sup>sec)

### Notes:

1. Annual calibration is recommended.
2. Calibration is performed using a Standard of Spectral Irradiance traceable to the National Institute of Standards and Technology (NIST).
3. The collector should be cleaned frequently with alcohol.
4. Calibration was performed with customer cable, when available.