

Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date 11/28/2012
Model Number QSR-2200
Serial Number 20286
Operator TPC
Standard Lamp V-031(3/7/12)
Probe Excitation Voltage Range: 6 to 18 VDC(+)
Output Polarity: Positive

Probe Conditions at Calibration(in air):

Calibration Voltage: 6 VDC(+)
Probe Current: 4.0 mA

Probe Output Voltage:

Probe Illuminated 99.2 mV
Probe Dark 1.3 mV
Probe Net Response 97.9 mV
RG780 1.3 mV

Corrected Lamp Output:

Output In Air (same condition as calibration):

1.044E+16 quanta/cm²sec
0.01733 uE/cm²sec

Calibration Scale Factor:

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

Dry: 9.3786E-18 V/(quanta/cm²sec)
5.6478E+00 V/(uE/cm²sec)

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.