

Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date 10/19/2012
Model Number QSR-2200
Serial Number 20128
Operator TPC
Standard Lamp V-030(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: 3.4 mA

Probe Output Voltage:

Probe Illuminated 104.3 mV
Probe Dark 1.3 mV
Probe Net Response 103.1 mV
RG780 1.3 mV

Corrected Lamp Output:

Output In Air (same condition as calibration):

9.826E+15 quanta/cm²sec
0.01632 uE/cm²sec

Calibration Scale Factor:

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

Dry: 1.0487E-17 V/(quanta/cm²sec)
6.3155E+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.