

Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date 2/17/2015
Model Number QSR2200
Serial Number 20286
Operator TPC
Standard Lamp V-033(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 98.0 mV
Probe Dark 1.0 mV
Probe Net Response 97.0 mV
RG780 1.0 mV

Corrected Lamp Output:

Output In Air (same condition as calibration):

9.342E+15 quanta/cm²sec
155.13384 uE/m²sec

Calibration Scale Factor:

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

Dry: 1.0380E-17 V/(quanta/cm²sec)
6.2509E-04 V/(uE/m²sec)

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.