

Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date 7/25/2007
Model Number QSR-2200
Serial Number 20286
Operator AMB
Standard Lamp HEC-1630(10/25/2006)
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 97.1 mV
Probe Dark 1.4 mV
Probe Net Response 95.7 mV

Corrected Lamp Output:

Output In Air (same condition as calibration):

9.56E+15 quanta/cm²sec
0.01588 uE/cm²sec

Calibration Scale Factor:

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

Dry: 1.0008E-17 V/(quanta/cm²sec)
6.0266E+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.