

Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date 6/7/2023
Model Number QSR2200
Serial Number 20190
Operator TPC
Standard Lamp V-043(7/24/19)
Probe Excitation Voltage Range: 6 to 18 VDC(+)
Output Polarity: POSITIVE

Probe Conditions at Calibration(in air):

Calibration Voltage: 6 VDC(+)
Probe Current: 3.8 mA

Probe Output Voltage:

Probe Illuminated 108.88 mV
Probe Dark 1.04 mV
Probe Net Response 107.84 mV
RG780 1.08 mV

Corrected Lamp Output:

Output In Air (same condition as calibration):

9.664E+15 quanta/cm²sec
0.016048 uE/cm²sec

Calibration Scale Factor:

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

Dry: 1.1159E-17 V/(quanta/cm²sec)
6.7199E+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.

Conversion Factor = 1488.13