Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date	11/04/15				
Model Number	QSR2150A		Firmware V	ersion/	v 2.07
Serial Number	50212				
Operator	TPC				
Standard Lamp	V-033(3/3/15)				
Sensor Operating	Voltage Range:	6	to	15	VDC (+)
Output Polarity:	Positive				_

Sensor Output Voltage:

Sensor Illuminated	110.9	mV
Sensor Dark	10.1	_mV
Sensor Net Response	100.8	_mV
RG780	10.2	_mV

Corrected Lamp Output:

Output In Air (same condition as calibration):

1.559E-02 uE/cm²sec 9.391E+15 Quanta/cm²sec

Calibration Scale Factor:

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

6.465E+00 Volts/(uE/cm²sec)

6.465E-04 Volts/(uE/m²sec)

Notes

- 1. Annual calibration is recommended.
- Calibration is performed using a Standard of Spectral Irradiance traceable to the National Institute of Standards and Technology (NIST).
- To approximate the sensor's saturating irradiance, multiply the calibration factor by the sensor power supply voltage, minus one volt.
- 4. The collector should be cleaned frequently with alcohol,

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