Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date	_09/24/24					
Model Number	QSP2155		Firmware \	Version	_	v 1.2
Serial Number	50430				-	
Operator	FDG					
Standard Lamp	V-046(7/24/1	9)				
Sensor Operating Vol	tage Range:	6	to		15	VDC (+)
Output Polarity:	Positive		_			

Sensor Output Voltage:

Sensor Illuminated	151.1	m۷
Sensor Dark	10.4	_mV
Sensor Net Response	140.7	_ mV
RG780	10.7	_ mV

Corrected Lamp Output:

Output In Air (same condition as calibration):

1.564E-02 uE/cm2sec

Output Corrected for Immersion in Water:

2.762E-02 uE/cm²sec

Using Immersion Coefficient of:

0.5664 (Collector Type: SC-3)

Calibration Scale Factor:

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

Dry: 8.997E+00 Volts/(uE/cm²sec)
Wet: 5.096E+00 Volts/(uE/cm²sec)
Dry: 8.997E-04 Volts/(uE/m²sec)
Wet: 5.096E-04 Volts/(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. 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.