Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date	07/31/24					
Model Number	QSR2150A		Firmware Version			v2.07
Serial Number	50172				-	
Operator	TPC					
Standard Lamp	V-046(7/24/19)					
Sensor Operating Voltage Range:		6	to	15		VDC (+)
Output Polarity:	Positive					3 2

Sensor Output Voltage:

Sensor Illuminated	107.9	mV
Sensor Dark	9.9	_ mV
Sensor Net Response	98.0	mV
RG780	9.9	_ mV

Corrected Lamp Output:

Output In Air (same condition as calibration): 1.564E-02 uE/cm²sec

Calibration Scale Factor:

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

Dry:

6.265E+00 Volts/(uE/cm²sec)

Dry:

6.265E-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).
- 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.