Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date	01/13/23				
Model Number	QCR2150A	Firmware Version			v2.07
Serial Number	50351				
Operator	TPC				
Standard Lamp	V-043(7/24/19)				
Sensor Operating	Voltage Range:	6	to	15	VDC (+)
Output Polarity:	Positive				

Sensor Output Voltage:

 Sensor Illuminated
 122.863
 mV

 Sensor Dark
 10.323
 mV

 Sensor Net Response
 112.540
 mV

 RG780
 10.349
 mV

Corrected Lamp Output:

Output In Air (same condition as calibration):

1.605E-02 uE/cm²sec

Calibration Scale Factor:

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

Dry:

7.013E+00 Volts/(**uE/cm²sec**)

Dry:

7.013E-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 voltage.
- 4. The collector should be cleaned frequently with alcohol.