Biospherical Instruments Inc.

CALIBRATION CERTIFICATE

Calibration Date	04/10/24				
Model Number	QCR2200	6			•
Serial Number	20591	4			
Operator	TPC				
Standard Lamp	V-045(7/21/	16)			
Sensor Operating Voltage Range:		5	to	18	VDC (+)
Output Polarity:	POSITIVE		_		
Sensor Conditions at Calibration (in air):					
Calibration Voltage:		6	VDC (+)		,
Sensor Current:		3.9	mA		
Sensor Output Voltage:					
Sensor Illuminated		108.67	mV		
Sensor Dark		0.92	mV		
Sensor Net Response		107.75	mV 🚄		
RG780 Filter		0.95	mV		*
Corrected Lamp Outp	<u>ut:</u>		-		
Output In Air (same condition as calibration):					
9.220E+15 quanta/cm²sec				153.1023	uE/m²sec

Calibration Scale Factor:

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

Dry: 1.169E-17 Volts/(quanta/cm²sec) 0.000704 V/(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.

Con version Factor = 1420.9
ratio multiplier = 1