Biospherical Instruments Inc.

Calibration Date: 06/04/25
Model Number: QSP2350
Serial Number: 70783
Operator: FG
Standard Lamp: V-037 (1/3/19)
Operating Voltage Range: 6 to 15VDC

Job No.: R-50767

Note: The QSP2350 output is a voltage that is proportional to the log of the incident irradiance.
To calculate irradiance, use this formula:

Irradiance = Calibration factor * (10^Light Signal Voltage - 10^Dark Voltage)

Dry Calibration Factor:	3.37E+12	quanta/cm²·sec per volt	5.60E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	5.96E+12	quanta/cm²·sec per volt	9.89E-06	µEinsteins/cm²·sec per volt

Sensor Test Data and Results

Sensor Supply Current (Dark):	3.4	mA		
Sensor Supply Voltage:	6	Volts		
Sensor Calibration Signal Voltage:	3.441	Volts		
Sensor Dark Voltage:	0.0022	Volts		
Lamp Integrated PAR Irradiance:	9.31E+15	quanta/cm^2·sec	0.01546	µEinsteins/cm²sec
Immersion Coefficient:	0.5664			

Note:
Annual calibration is recommended.