# Biospherical Instruments Inc.

**Calibration Date:** 04/02/25
Model Number: QSP2350
Serial Number: 70297
Operator: FG
Standard Lamp: V-037 (1/3/19)
Operating Voltage Range: 6 to 15VDC

**Job No.:** R-50765

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: | 3.19E+12 | quanta/cm²·sec per volt | 5.30E-06 | µEinsteins/cm²·sec per volt |
| Wet Calibration Factor: | 5.64E+12 | quanta/cm²·sec per volt | 9.36E-06 | µEinsteins/cm²·sec per volt |

Sensor Test Data and Results

| | | | | |
|---|---|---|---|---|
| Sensor Supply Current (Dark): | 3.3 | mA | | |
| Sensor Supply Voltage: | 6 | Volts | | |
| Sensor Calibration Signal Voltage: | 3.465 | Volts | | |
| Sensor Dark Voltage: | 0.0046 | Volts | | |
| Lamp Integrated PAR Irradiance: | 9.31E+15 | quanta/cm²·sec | 0.01546 | µEinsteins/cm²sec |
| Immersion Coefficient: | 0.5664 | | | |

Note:
Annual calibration is recommended.