Biospherical Instruments Inc.

Calibration Date: 03/12/25
Model Number: QSP2300
Serial Number: 70778
Operator: FG
Standard Lamp: V-037 (1/3/19)
Operating Voltage Range: 6 to 15VDC

Job No.: R-50734

Note: The QSP2300 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: 3.11E+12 quanta/cm²·sec per volt 5.16E-06 µEinsteins/cm²·sec per volt
Wet Calibration Factor: 5.48E+12 quanta/cm²·sec per volt 9.10E-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: 3.477 Volts
Sensor Dark Voltage: 0.0030 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.