Calibration Date: 02/26/15 **Job No.:** R12147
Model Number: QSP2300
Serial Number: 70297
Operator: TPC
Standard Lamp: V-033(3/7/12)
Operating Voltage Range: 6 to 15 VDC (+)

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: 2.73E+12 quanta/cm²·sec per volt 4.54E-06 µEinsteins/cm²·sec per volt
Wet Calibration Factor: 4.82E+12 quanta/cm²·sec per volt 8.01E-06 µEinsteins/cm²·sec per volt

Sensor Test Data and Results[2)]

Sensor Supply Current (Dark):	3.4	mA		
Supply Voltage:	6	Volts		
Lamp Integrated PAR Irradiance:	9.34E+15	quanta/cm^2·sec	0.01551	µEinsteins/cm²sec
Immersion Coefficient:	0.566			

Nominal Filter OD	Expected Transmission	Calibrated Trans.	Sensor Voltage	Expected Voltage	Voltage % Error	Measured Trans.	Transmission Error (%)	Test Irrad. (quanta/ cm^2·sec)
No Filter	100%	100.00%	3.534	3.534	0%	100.00%	0.0	9.34E+15
0.3	50%	36.10%	3.092	3.092	0%	36.08%	0.1	3.37E+15
0.5	32%	27.60%	2.976	2.975	0%	27.67%	-0.2	2.58E+15
1	10%	9.27%	2.501	2.501	0%	9.23%	0.4	8.62E+14
2	1%	1.11%	1.569	1.579	-1%	1.05%	5.2	9.86E+13
3	0.10%	0.05%	0.373	0.262	30%	0.04%	35.2	3.72E+12
RG780	0.00%	0.00%	0.163	0.005	97%	0.01%	-100.0	1.24E+12

Dark Before:	0.005	Volts
Light - No Filter Hldr.:	3.534	Volts
Dark After - NFH:	0.005	Volts
Average Dark	0.0045	Volts

Notes:
1. Annual calibration is recommended.
2) This section is for internal use and for more advanced analysis.