Calibration Date: 07/01/14 **Job No.:** L11854
Model Number: QSP2300
Serial Number: 70547
Operator: TPC
Standard Lamp: V-034(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: 3.19E+12 quanta/cm²·sec per volt 5.29E-06 µEinsteins/cm²·sec per volt
Wet Calibration Factor: 5.62E+12 quanta/cm²·sec per volt 9.34E-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:	9.78E+15	quanta/cm²·sec	0.01625	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/ cm²·sec)
No Filter	100%	100.00%	3.488	3.488	0%	100.00%	0.0	9.78E+15
0.3	50%	36.10%	3.053	3.045	0%	36.71%	-1.7	3.59E+15
0.5	32%	27.60%	2.935	2.928	0%	27.99%	-1.4	2.74E+15
1	10%	9.27%	2.472	2.455	1%	9.62%	-3.6	9.41E+14
2	1%	1.11%	1.563	1.533	2%	1.16%	-4.0	1.13E+14
3	0.10%	0.05%	0.416	0.215	48%	0.05%	3.0	5.12E+12
RG780	0.00%	0.00%	0.006	0.006	0%	0.00%	-100.0	4.49E+10

Dark Before:	0.006	Volts
Light - No Filter Hldr.:	3.488	Volts
Dark After - NFH:	0.006	Volts
Average Dark	0.0061	Volts

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