Calibration Date: 06/10/13 **Job No.:** L11541
Model Number: QSP2300
Serial Number: 70500
Operator: TPC .
Standard Lamp: V-031(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: **2.90E+12** **quanta/cm²·sec per volt** **4.81E-06** **µEinsteins/cm²·sec per volt**
Wet Calibration Factor: **5.11E+12** **quanta/cm²·sec per volt** **8.49E-06** **µEinsteins/cm²·sec per volt**

Sensor Test Data and Results[2)]

Sensor Supply Current (Dark):	3.5	mA		
Supply Voltage:	6	Volts		
Lamp Integrated PAR Irradiance:	1.04E+16	quanta/cm^2·sec	0.01733	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%	3.557	3.557	0%	100.00%	0.0	1.04E+16
0.3	50%	36.10%	3.118	3.115	0%	36.35%	-0.7	3.79E+15
0.5	32%	27.60%	3.003	2.998	0%	27.91%	-1.1	2.91E+15
1	10%	9.27%	2.535	2.524	0%	9.47%	-2.2	9.89E+14
2	1%	1.11%	1.624	1.602	1%	1.14%	-2.5	1.19E+14
3	0.10%	0.05%	0.457	0.285	38%	0.05%	4.0	5.40E+12
RG780	0.00%	0.00%	0.006	0.006	0%	0.00%	-100.0	3.99E+10

Dark Before:	0.006	Volts
Light - No Filter Hldr.:	3.557	Volts
Dark After - NFH:	0.006	Volts
Average Dark	0.0059	Volts

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