Calibration Date: 04/18/16 **Job No.:** R12598
Model Number: QSP2300
Serial Number: 70500
Operator: TPC
Standard Lamp: V-035(3/4/15)
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: 2.85E+12 quanta/cm²·sec per volt 4.73E-06 µEinsteins/cm²·sec per volt
Wet Calibration Factor: 5.03E+12 quanta/cm²·sec per volt 8.35E-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:	1.03E+16	quanta/cm²·sec	0.01713	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%	3.559	3.559	0%	100.00%	0.0	1.03E+16
0.3	50%	36.10%	3.120	3.117	0%	36.35%	-0.7	3.75E+15
0.5	32%	27.60%	3.006	3.000	0%	27.95%	-1.3	2.88E+15
1	10%	9.27%	2.538	2.526	0%	9.49%	-2.3	9.79E+14
2	1%	1.11%	1.627	1.605	1%	1.14%	-2.7	1.18E+14
3	0.10%	0.05%	0.467	0.287	39%	0.05%	0.9	5.50E+12
RG780	0.00%	0.00%	0.005	0.005	0%	0.00%	-100.0	3.56E+10

Dark Before:	0.005	Volts
Light - No Filter Hldr.:	3.559	Volts
Dark After - NFH:	0.005	Volts
Average Dark	0.0054	Volts

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