Calibration Date: 02/26/15 **Job No.:** R12146
Model Number: QSP2300
Serial Number: 70296
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: 2.96E+12 quanta/cm²·sec per volt 4.91E-06 µEinsteins/cm²·sec per volt
Wet Calibration Factor: 5.22E+12 quanta/cm²·sec per volt 8.66E-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:	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%	3.500	3.500	0%	100.00%	0.0	9.34E+15
0.3	50%	36.10%	3.056	3.058	0%	35.91%	0.5	3.36E+15
0.5	32%	27.60%	2.941	2.941	0%	27.58%	0.1	2.58E+15
1	10%	9.27%	2.471	2.467	0%	9.33%	-0.6	8.71E+14
2	1%	1.11%	1.548	1.545	0%	1.09%	2.3	1.01E+14
3	0.10%	0.05%	0.348	0.228	35%	0.04%	38.6	3.63E+12
RG780	0.00%	0.00%	0.004	0.004	-1%	0.00%	-100.0	3.01E+10

Dark Before:	0.004	Volts
Light - No Filter Hldr.:	3.501	Volts
Dark After - NFH:	0.004	Volts
Average Dark	0.0044	Volts

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