Calibration Date: 01/30/18 **Job No.:** R13171

Model Number: QSP2300
Serial Number: 70361
Operator: TPC
Standard Lamp: V-041(7/21/16)
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:	4.80E+12	quanta/cm²·sec per volt	7.97E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	8.47E+12	quanta/cm²·sec per volt	1.41E-05	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:	9.73E+15	quanta/cm^2·sec	0.01615	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%	3.307	3.307	0%	100.00%	0.0	9.73E+15
0.3	50%	36.10%	2.868	2.865	0%	36.36%	-0.7	3.54E+15
0.5	32%	27.60%	2.752	2.748	0%	27.83%	-0.8	2.71E+15
1	10%	9.27%	2.278	2.274	0%	9.30%	-0.3	9.04E+14
2	1%	1.11%	1.357	1.352	0%	1.07%	3.5	1.04E+14
3	0.10%	0.05%	0.191	0.035	82%	0.03%	98.2	2.65E+12
RG780	0.00%	0.00%	0.003	0.003	0%	0.00%	-100.0	2.99E+10

Dark Before:	0.003	Volts
Light - No Filter Hldr.:	3.307	Volts
Dark After - NFH:	0.003	Volts
Average Dark	0.0027	Volts

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