Calibration Date:	01/30/18			**Job No.:**	R13173
Model Number:	QSP2300				
Serial Number:	70297				
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:	2.68E+12	quanta/cm²·sec per volt	4.45E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	4.73E+12	quanta/cm²·sec per volt	7.86E-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:	9.73E+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%	3.560	3.560	0%	100.00%	0.0	9.73E+15
0.3	50%	36.10%	3.117	3.117	0%	36.02%	0.2	3.50E+15
0.5	32%	27.60%	3.002	3.001	0%	27.67%	-0.2	2.69E+15
1	10%	9.27%	2.527	2.527	0%	9.24%	0.3	8.99E+14
2	1%	1.11%	1.595	1.605	-1%	1.06%	5.1	1.03E+14
3	0.10%	0.05%	0.390	0.287	26%	0.04%	34.1	3.90E+12
RG780	0.00%	0.00%	0.156	0.005	97%	0.01%	-100.0	1.16E+12

Dark Before:	0.005	Volts
Light - No Filter Hldr.:	3.559	Volts
Dark After - NFH:	0.005	Volts
Average Dark	0.0045	Volts

Notes:

1. Annual calibration is recommended.

2) This section is for internal use and for more advanced analysis.