Calibration Date:	06/01/16				**Job No.:** R12595
Model Number:	QSP2300				
Serial Number:	70360				
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:	**4.40E+12**	**quanta/cm²·sec per volt**	**7.31E-06**	**µEinsteins/cm²·sec per volt**
Wet Calibration Factor:	**7.77E+12**	**quanta/cm²·sec per volt**	**1.29E-05**	**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%	3.370	3.370	0%	100.00%	0.0	1.03E+16
0.3	50%	36.10%	2.930	2.928	0%	36.28%	-0.5	3.74E+15
0.5	32%	27.60%	2.815	2.811	0%	27.83%	-0.8	2.87E+15
1	10%	9.27%	2.342	2.337	0%	9.33%	-0.6	9.62E+14
2	1%	1.11%	1.418	1.415	0%	1.07%	3.3	1.11E+14
3	0.10%	0.05%	0.245	0.098	60%	0.03%	66.7	3.34E+12
RG780	0.00%	0.00%	0.003	0.003	-4%	0.00%	-100.0	3.05E+10

Dark Before:	0.003	Volts
Light - No Filter Hldr.:	3.370	Volts
Dark After - NFH:	0.003	Volts
Average Dark	0.0031	Volts

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