Calibration Date:	05/01/13			**Job No.:**	L11541
Model Number:	QSP2300				
Serial Number:	70497				
Operator:	TPC				
Standard Lamp:	V-031(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:	**3.31E+12**	**quanta/cm²·sec per volt**	**5.49E-06**	**µEinsteins/cm²·sec per volt**
Wet Calibration Factor:	**5.84E+12**	**quanta/cm²·sec per volt**	**9.70E-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:	1.04E+16	quanta/cm^2·sec	0.01733	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%	3.499	3.499	0%	100.00%	0.0	1.04E+16
0.3	50%	36.10%	3.060	3.057	0%	36.36%	-0.7	3.80E+15
0.5	32%	27.60%	2.945	2.940	0%	27.90%	-1.1	2.91E+15
1	10%	9.27%	2.479	2.466	1%	9.51%	-2.5	9.93E+14
2	1%	1.11%	1.562	1.544	1%	1.12%	-1.3	1.17E+14
3	0.10%	0.05%	0.416	0.227	46%	0.05%	5.3	5.31E+12
RG780	0.00%	0.00%	0.003	0.003	1%	0.00%	-100.0	2.09E+10

Dark Before:	0.003	Volts
Light - No Filter Hldr.:	3.499	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.