Calibration Date:	01/11/17				**Job No.:**	R12830
Model Number:	QSP2300					
Serial Number:	70296					
Operator:	TPC					
Standard Lamp:	91453(7/20/16)					
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:	**3.05E+12**	**quanta/cm²·sec per volt**	**5.07E-06**	**µEinsteins/cm²·sec per volt**
Wet Calibration Factor:	**5.39E+12**	**quanta/cm²·sec per volt**	**8.95E-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:	8.38E+15	quanta/cm²·sec	0.01391	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%	3.439	3.439	0%	100.00%	0.0	8.38E+15
0.3	50%	36.10%	3.015	2.996	1%	37.68%	-4.2	3.16E+15
0.5	32%	27.60%	2.902	2.880	1%	29.07%	-5.0	2.44E+15
1	10%	9.27%	2.433	2.406	1%	9.84%	-5.8	8.24E+14
2	1%	1.11%	1.511	1.484	2%	1.15%	-3.1	9.60E+13
3	0.10%	0.05%	0.352	0.166	53%	0.05%	18.3	3.81E+12
RG780	0.00%	0.00%	0.014	0.004	70%	0.00%	-100.0	1.00E+11

Dark·Before:	0.004	Volts
Light - No Filter Hldr.:	3.439	Volts
Dark After - NFH:	0.004	Volts
Average Dark	0.0042	Volts

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