Calibration Date:	05/30/23			**Job No.:**	R50935
Model Number:	QSP2350				
Serial Number:	70368				
Operator:	TPC				
Standard Lamp:	V-043(7/24/19)				
Operating Voltage Range:	6	to	15	VDC (+)	

Note: The QSP2350 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:	3.63E+12	quanta/cm²·sec per volt	6.03E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	6.41E+12	quanta/cm²·sec per volt	1.06E-05	µEinsteins/cm²·sec per volt

Sensor Test Data and Results[2)]

Sensor Supply Current (Dark):	3.3	mA		
Supply Voltage:	6	Volts		
Lamp Integrated PAR Irradiance:	9.66E+15	quanta/cm^2·sec	0.01605	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%	3.426	3.426	0%	100.00%	0.0	9.66E+15
0.3	50%	36.10%	2.985	2.983	0%	36.24%	-0.4	3.50E+15
0.5	32%	27.60%	2.872	2.866	0%	27.92%	-1.2	2.70E+15
1	10%	9.27%	2.395	2.393	0%	9.29%	-0.2	8.98E+14
2	1%	1.11%	1.473	1.471	0%	1.08%	3.1	1.04E+14
3	0.10%	0.05%	0.252	0.153	39%	0.03%	83.0	2.85E+12
RG780	0.00%	0.00%	0.004	0.004	0%	0.00%	-100.0	3.36E+10

Dark Before:	0.004	Volts
Light - No Filter Hldr.:	3.424	Volts
Dark After - NFH:	0.004	Volts
Average Dark	0.0040	Volts

Notes:

1. Annual calibration is recommended.

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