Calibration Date:	05/30/23			**Job No.:**	R50938
Model Number:	QSP2300				
Serial Number:	70545				
Operator:	TPC				
Standard Lamp:	V-043(7/24/19)				
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:	3.45E+12	quanta/cm²·sec per volt	5.74E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	6.10E+12	quanta/cm²·sec per volt	1.01E-05	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:	9.66E+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%	3.447	3.447	0%	100.00%	0.0	9.66E+15
0.3	50%	36.10%	3.006	3.005	0%	36.20%	-0.3	3.50E+15
0.5	32%	27.60%	2.894	2.888	0%	27.96%	-1.3	2.70E+15
1	10%	9.27%	2.429	2.414	1%	9.56%	-3.0	9.24E+14
2	1%	1.11%	1.523	1.492	2%	1.15%	-3.8	1.12E+14
3	0.10%	0.05%	0.361	0.175	52%	0.05%	17.3	4.48E+12
RG780	0.00%	0.00%	0.009	0.009	0%	0.00%	-100.0	7.58E+10

Dark Before:	0.009	Volts
Light - No Filter Hldr.:	3.447	Volts
Dark After - NFH:	0.009	Volts
Average Dark	0.0094	Volts

Notes:

1. Annual calibration is recommended.

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