Calibration Date:	05/30/23			**Job No.:**	R50936
Model Number:	QSP2300				
Serial Number:	70359				
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:	3.07E+12	quanta/cm²·sec per volt	5.10E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	5.42E+12	quanta/cm²·sec per volt	9.00E-06	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:	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%	3.498	3.498	0%	100.00%	0.0	9.66E+15
0.3	50%	36.10%	3.058	3.056	0%	36.26%	-0.4	3.50E+15
0.5	32%	27.60%	2.947	2.939	0%	28.10%	-1.8	2.72E+15
1	10%	9.27%	2.472	2.465	0%	9.39%	-1.3	9.07E+14
2	1%	1.11%	1.556	1.543	1%	1.11%	0.0	1.07E+14
3	0.10%	0.05%	0.364	0.226	38%	0.04%	28.8	4.03E+12
RG780	0.00%	0.00%	0.003	0.003	0%	0.00%	-100.0	2.34E+10

Dark Before:	0.003	Volts
Light - No Filter Hldr.:	3.498	Volts
Dark After - NFH:	0.003	Volts
Average Dark	0.0033	Volts

Notes:

1. Annual calibration is recommended.

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