Calibration Date:	02/28/24			**Job No.:**	R50518
Model Number:	QSP2300				
Serial Number:	70296				
Operator:	TPC				
Standard Lamp:	V-045(7/21/16)				
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:	3.01E+12	quanta/cm²·sec per volt	4.99E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	5.31E+12	quanta/cm²·sec per volt	8.81E-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:	9.22E+15	quanta/cm^2·sec	0.01531	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%	3.487	3.487	0%	100.00%	0.0	9.22E+15
0.3	50%	36.10%	3.049	3.045	0%	36.45%	-1.0	3.36E+15
0.5	32%	27.60%	2.937	2.928	0%	28.14%	-1.9	2.59E+15
1	10%	9.27%	2.463	2.454	0%	9.43%	-1.7	8.70E+14
2	1%	1.11%	1.545	1.532	1%	1.11%	0.0	1.02E+14
3	0.10%	0.05%	0.365	0.215	41%	0.04%	25.3	3.96E+12
RG780	0.00%	0.00%	0.015	0.004	70%	0.00%	-100.0	1.06E+11

Dark Before:	0.004	Volts
Light - No Filter Hldr.:	3.487	Volts
Dark After - NFH:	0.004	Volts
Average Dark	0.0044	Volts

Notes:

1. Annual calibration is recommended.

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