Calibration Date:	02/28/24			**Job No.:**	R50513
Model Number:	QSP2300				
Serial Number:	70497				
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:	3.48E+12	quanta/cm²·sec per volt	5.78E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	6.15E+12	quanta/cm²·sec per volt	1.02E-05	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:	9.22E+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%	3.423	3.423	0%	100.00%	0.0	9.22E+15
0.3	50%	36.10%	2.981	2.981	0%	36.15%	-0.1	3.33E+15
0.5	32%	27.60%	2.869	2.864	0%	27.90%	-1.1	2.57E+15
1	10%	9.27%	2.402	2.390	0%	9.49%	-2.4	8.75E+14
2	1%	1.11%	1.492	1.468	2%	1.13%	-2.2	1.05E+14
3	0.10%	0.05%	0.414	0.151	64%	0.06%	-11.0	5.55E+12
RG780	0.00%	0.00%	0.002	0.002	-1%	0.00%	-100.0	1.85E+10

Dark Before:	0.002	Volts
Light - No Filter Hldr.:	3.423	Volts
Dark After - NFH:	0.002	Volts
Average Dark	0.0023	Volts

Notes:

1. Annual calibration is recommended.

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