Calibration Date:	06/24/20			**Job No.:**	L20087
Model Number:	QSP2300				
Serial Number:	70777				
Operator:	TPC				
Standard Lamp:	V-040(1/3/2019)				
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:	4.05E+12	quanta/cm²·sec per volt	6.72E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	7.15E+12	quanta/cm²·sec per volt	1.19E-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:	9.40E+15	quanta/cm^2·sec	0.01561	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%	3.366	3.366	0%	100.00%	0.0	9.40E+15
0.3	50%	36.10%	2.921	2.924	0%	35.82%	0.8	3.37E+15
0.5	32%	27.60%	2.806	2.807	0%	27.51%	0.3	2.59E+15
1	10%	9.27%	2.334	2.333	0%	9.24%	0.3	8.69E+14
2	1%	1.11%	1.421	1.411	1%	1.09%	1.7	1.03E+14
3	0.10%	0.05%	0.318	0.094	71%	0.05%	18.3	4.37E+12
RG780	0.00%	0.00%	0.247	0.013	95%	0.03%	-100.0	3.10E+12

Dark Before:	0.013	Volts
Light - No Filter Hldr.:	3.366	Volts
Dark After - NFH:	0.013	Volts
Average Dark	0.0134	Volts

Notes:

1. Annual calibration is recommended.

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