Calibration Date:	01/30/18			**Job No.:**	R13172
Model Number:	QSP2300				
Serial Number:	70497				
Operator:	TPC				
Standard Lamp:	V-041(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:	3.32E+12	quanta/cm²·sec per volt	5.52E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	5.87E+12	quanta/cm²·sec per volt	9.74E-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:	9.73E+15	quanta/cm²·sec	0.01615	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/ cm²·sec)
No Filter	100%	100.00%	3.467	3.467	0%	100.00%	0.0	9.73E+15
0.3	50%	36.10%	3.030	3.024	0%	36.57%	-1.3	3.56E+15
0.5	32%	27.60%	2.916	2.908	0%	28.09%	-1.7	2.73E+15
1	10%	9.27%	2.447	2.434	1%	9.53%	-2.7	9.27E+14
2	1%	1.11%	1.538	1.512	2%	1.14%	-3.0	1.11E+14
3	0.10%	0.05%	0.411	0.194	53%	0.05%	-0.5	5.24E+12
RG780	0.00%	0.00%	0.002	0.002	-4%	0.00%	-100.0	1.76E+10

Dark Before:	0.002	Volts
Light - No Filter Hldr.:	3.466	Volts
Dark After - NFH:	0.002	Volts
Average Dark	0.0024	Volts

Notes:
1. Annual calibration is recommended.
2) This section is for internal use and for more advanced analysis.