Calibration Date: 06/02/20 **Job No.:** R-50028

Model Number: QSP2300
Serial Number: 70360
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:	4.15E+12	quanta/cm²·sec per volt	6.90E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	7.33E+12	quanta/cm²·sec per volt	1.22E-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:	9.40E+15	quanta/cm²·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/ cm²·sec)
No Filter	100%	100.00%	3.355	3.355	0%	100.00%	0.0	9.40E+15
0.3	50%	36.10%	2.913	2.913	0%	36.14%	-0.1	3.40E+15
0.5	32%	27.60%	2.800	2.796	0%	27.83%	-0.8	2.62E+15
1	10%	9.27%	2.327	2.322	0%	9.34%	-0.7	8.78E+14
2	1%	1.11%	1.407	1.400	0%	1.08%	2.6	1.02E+14
3	0.10%	0.05%	0.243	0.083	66%	0.03%	62.8	3.11E+12
RG780	0.00%	0.00%	0.003	0.003	0%	0.00%	-100.0	3.07E+10

Dark Before:	0.003	Volts
Light - No Filter Hldr.:	3.355	Volts
Dark After - NFH:	0.003	Volts
Average Dark	0.0032	Volts

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