Calibration Date: 04/07/21 **Job No.:** R50264

Model Number: QSP2300
Serial Number: 70296
Operator: TPC
Standard Lamp: V-042(11/12/20)
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:	2.79E+12	quanta/cm²·sec per volt	4.63E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	4.92E+12	quanta/cm²·sec per volt	8.17E-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:	9.43E+15	quanta/cm²·sec	0.01566	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%	3.530	3.530	0%	100.00%	0.0	9.43E+15
0.3	50%	36.10%	3.094	3.087	0%	36.64%	-1.5	3.46E+15
0.5	32%	27.60%	2.979	2.971	0%	28.09%	-1.7	2.65E+15
1	10%	9.27%	2.505	2.497	0%	9.43%	-1.7	8.89E+14
2	1%	1.11%	1.582	1.575	0%	1.10%	1.1	1.04E+14
3	0.10%	0.05%	0.406	0.257	37%	0.05%	17.7	4.31E+12
RG780	0.00%	0.00%	0.018	0.005	75%	0.00%	-100.0	1.18E+11

Dark Before:	0.005	Volts
Light - No Filter Hldr.:	3.530	Volts
Dark After - NFH:	0.005	Volts
Average Dark	0.0045	Volts

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