Calibration Date: 04/07/21 **Job No.:** R50262

Model Number: QSP2300
Serial Number: 70547
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:	3.59E+12	quanta/cm²·sec per volt	5.96E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	6.33E+12	quanta/cm²·sec per volt	1.05E-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:	9.43E+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%	3.420	3.420	0%	100.00%	0.0	9.43E+15
0.3	50%	36.10%	2.986	2.978	0%	36.79%	-1.9	3.47E+15
0.5	32%	27.60%	2.873	2.861	0%	28.35%	-2.7	2.67E+15
1	10%	9.27%	2.407	2.387	1%	9.67%	-4.1	9.12E+14
2	1%	1.11%	1.501	1.465	2%	1.17%	-4.9	1.10E+14
3	0.10%	0.05%	0.363	0.148	59%	0.05%	8.6	4.69E+12
RG780	0.00%	0.00%	0.006	0.006	0%	0.00%	-100.0	4.79E+10

Dark Before:	0.006	Volts
Light - No Filter Hldr.:	3.420	Volts
Dark After - NFH:	0.006	Volts
Average Dark	0.0058	Volts

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