Calibration Date: 04/07/21 **Job No.:** R50265

Model Number: QSP2300
Serial Number: 70546
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:	2.74E+12	quanta/cm²·sec per volt	4.54E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	4.83E+12	quanta/cm²·sec per volt	8.02E-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/cm^2·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/ cm^2·sec)
No Filter	100%	100.00%	3.538	3.538	0%	100.00%	0.0	9.43E+15
0.3	50%	36.10%	3.096	3.095	0%	36.15%	-0.1	3.41E+15
0.5	32%	27.60%	2.981	2.979	0%	27.73%	-0.5	2.62E+15
1	10%	9.27%	2.514	2.505	0%	9.44%	-1.8	8.90E+14
2	1%	1.11%	1.598	1.583	1%	1.12%	-0.9	1.06E+14
3	0.10%	0.05%	0.406	0.265	35%	0.04%	20.8	4.23E+12
RG780	0.00%	0.00%	0.010	0.010	0%	0.00%	-100.0	6.07E+10

Dark Before:	0.010	Volts
Light - No Filter Hldr.:	3.538	Volts
Dark After - NFH:	0.010	Volts
Average Dark	0.0095	Volts

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