Calibration Date: 06/24/20 **Job No.:** L20087

Model Number: QSP2300
Serial Number: 70778
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:	4.08E+12	quanta/cm²·sec per volt	6.77E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	7.20E+12	quanta/cm²·sec per volt	1.20E-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%	3.363	3.363	0%	100.00%	0.0	9.40E+15
0.3	50%	36.10%	2.917	2.921	0%	35.75%	1.0	3.36E+15
0.5	32%	27.60%	2.804	2.804	0%	27.57%	0.1	2.59E+15
1	10%	9.27%	2.326	2.330	0%	9.14%	1.4	8.60E+14
2	1%	1.11%	1.400	1.408	-1%	1.05%	6.1	9.83E+13
3	0.10%	0.05%	0.278	0.091	67%	0.04%	38.5	3.66E+12
RG780	0.00%	0.00%	0.279	0.003	99%	0.04%	-100.0	3.67E+12

Dark Before:	0.003	Volts
Light - No Filter Hldr.:	3.363	Volts
Dark After - NFH:	0.003	Volts
Average Dark	0.0033	Volts

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