Calibration Date: 01/11/17 **Job No.:** R12832
Model Number: QSP2300
Serial Number: 70368
Operator: TPC
Standard Lamp: 91453(7/20/16)
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: **3.25E+12** **quanta/cm²·sec per volt** **5.39E-06** **µEinsteins/cm²·sec per volt**
Wet Calibration Factor: **5.73E+12** **quanta/cm²·sec per volt** **9.52E-06** **µEinsteins/cm²·sec per volt**

Sensor Test Data and Results[2)]

Sensor Supply Current (Dark):	3.3	mA		
Supply Voltage:	6	Volts		
Lamp Integrated PAR Irradiance:	8.38E+15	quanta/cm^2·sec	0.01391	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%	3.412	3.412	0%	100.00%	0.0	8.38E+15
0.3	50%	36.10%	2.973	2.970	0%	36.35%	-0.7	3.05E+15
0.5	32%	27.60%	2.860	2.853	0%	28.00%	-1.4	2.35E+15
1	10%	9.27%	2.385	2.379	0%	9.36%	-1.0	7.84E+14
2	1%	1.11%	1.462	1.457	0%	1.08%	2.6	9.07E+13
3	0.10%	0.05%	0.253	0.140	45%	0.03%	76.3	2.57E+12
RG780	0.00%	0.00%	0.004	0.004	-1%	0.00%	-100.0	2.85E+10

Dark Before:	0.004	Volts
Light - No Filter Hldr.:	3.412	Volts
Dark After - NFH:	0.004	Volts
Average Dark	0.0038	Volts

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