Calibration Date: 06/01/16 **Job No.:** R12594
Model Number: QSP2300
Serial Number: 70295
Operator: TPC
Standard Lamp: V-035(3/4/15)
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: 3.60E+12 quanta/cm²·sec per volt 5.99E-06 µEinsteins/cm²·sec per volt
Wet Calibration Factor: 6.36E+12 quanta/cm²·sec per volt 1.06E-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:	1.03E+16	quanta/cm^2·sec	0.01713	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%	3.457	3.457	0%	100.00%	0.0	1.03E+16
0.3	50%	36.10%	3.020	3.014	0%	36.50%	-1.1	3.77E+15
0.5	32%	27.60%	2.903	2.898	0%	27.87%	-1.0	2.88E+15
1	10%	9.27%	2.432	2.424	0%	9.41%	-1.5	9.71E+14
2	1%	1.11%	1.512	1.502	1%	1.10%	0.9	1.14E+14
3	0.10%	0.05%	0.387	0.184	52%	0.05%	6.8	5.18E+12
RG780	0.00%	0.00%	0.089	0.003	97%	0.01%	-100.0	8.20E+11

Dark Before:	0.003	Volts
Light - No Filter Hldr.:	3.457	Volts
Dark After - NFH:	0.002	Volts
Average Dark	0.0027	Volts

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