Calibration Date:	06/01/16			**Job No.:**	R12599
Model Number:	QSP2300				
Serial Number:	70545				
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:	**2.99E+12**	**quanta/cm²·sec per volt**	**4.97E-06**	**µEinsteins/cm²·sec per volt**
Wet Calibration Factor:	**5.28E+12**	**quanta/cm²·sec per volt**	**8.77E-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:	1.03E+16	quanta/cm²·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/ cm²·sec)
No Filter	100%	100.00%	3.538	3.538	0%	100.00%	0.0	1.03E+16
0.3	50%	36.10%	3.100	3.096	0%	36.42%	-0.9	3.76E+15
0.5	32%	27.60%	2.983	2.979	0%	27.82%	-0.8	2.87E+15
1	10%	9.27%	2.518	2.505	1%	9.52%	-2.6	9.82E+14
2	1%	1.11%	1.604	1.583	1%	1.13%	-2.2	1.17E+14
3	0.10%	0.05%	0.446	0.266	40%	0.05%	4.0	5.36E+12
RG780	0.00%	0.00%	0.009	0.009	-2%	0.00%	-100.0	6.26E+10

Dark Before:	0.009	Volts
Light - No Filter Hldr.:	3.538	Volts
Dark After - NFH:	0.009	Volts
Average Dark	0.0092	Volts

Notes:

1. Annual calibration is recommended.

2) This section is for internal use and for more advanced analysis.