Calibration Date:	07/01/14			**Job No.:**	L11854
Model Number:	QSP2300				
Serial Number:	70546				
Operator:	TPC				
Standard Lamp:	V-034(3/7/12)				
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:	**2.80E+12**	**quanta/cm²·sec per volt**	**4.64E-06**	**µEinsteins/cm²·sec per volt**
Wet Calibration Factor:	**4.94E+12**	**quanta/cm²·sec per volt**	**8.20E-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:	9.78E+15	quanta/cm^2·sec	0.01625	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%	3.544	3.544	0%	100.00%	0.0	9.78E+15
0.3	50%	36.10%	3.103	3.102	0%	36.18%	-0.2	3.54E+15
0.5	32%	27.60%	2.984	2.985	0%	27.51%	0.3	2.69E+15
1	10%	9.27%	2.521	2.511	0%	9.46%	-2.0	9.25E+14
2	1%	1.11%	1.609	1.589	1%	1.13%	-2.0	1.11E+14
3	0.10%	0.05%	0.429	0.272	37%	0.05%	12.4	4.71E+12
RG780	0.00%	0.00%	0.010	0.010	-1%	0.00%	-100.0	6.51E+10

Dark Before:	0.010	Volts
Light - No Filter Hldr.:	3.544	Volts
Dark After - NFH:	0.010	Volts
Average Dark	0.0101	Volts

Notes:

1. Annual calibration is recommended.

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