Calibration Date:	02/28/24			**Job No.:**	R-50516
Model Number:	QSP2350				
Serial Number:	70784				
Operator:	TPC				
Standard Lamp:	V-045(7/21/16)				
Operating Voltage Range:	6	to	15	VDC (+)	

Note: The QSP2350 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:	3.07E+12	quanta/cm²·sec per volt	5.09E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	5.42E+12	quanta/cm²·sec per volt	9.00E-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:	9.22E+15	quanta/cm^2·sec	0.01531	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%	3.478	3.478	0%	100.00%	0.0	9.22E+15
0.3	50%	36.10%	3.034	3.036	0%	35.91%	0.5	3.31E+15
0.5	32%	27.60%	2.917	2.919	0%	27.44%	0.6	2.53E+15
1	10%	9.27%	2.436	2.445	0%	9.05%	2.5	8.34E+14
2	1%	1.11%	1.510	1.523	-1%	1.04%	6.5	9.62E+13
3	0.10%	0.05%	0.346	0.206	41%	0.04%	34.0	3.74E+12
RG780	0.00%	0.00%	0.342	0.009	97%	0.04%	-100.0	3.68E+12

Dark Before:	0.009	Volts
Light - No Filter Hldr.:	3.478	Volts
Dark After - NFH:	0.009	Volts
Average Dark	0.0090	Volts

Notes:

1. Annual calibration is recommended.

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