Calibration Date: 08/06/20 **Job No.:** L20183

Model Number: QSP2350

Serial Number: 70783

Operator: TPC .

Standard Lamp: V-040(1/3/2019)

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:	3.76E+12	quanta/cm²·sec per volt	6.25E-06	µEinsteins/cm²·sec per volt
Wet Calibration Factor:	6.65E+12	quanta/cm²·sec per volt	1.10E-05	µEinsteins/cm²·sec per volt

Sensor Test Data and Results[2)]

Sensor Supply Current (Dark):	3.5	mA		
Supply Voltage:	6	Volts		
Lamp Integrated PAR Irradiance:	9.40E+15	quanta/cm²·sec	0.01561	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%	3.398	3.398	0%	100.00%	0.0	9.40E+15
0.3	50%	36.10%	2.946	2.955	0%	35.32%	2.2	3.32E+15
0.5	32%	27.60%	2.834	2.839	0%	27.27%	1.2	2.56E+15
1	10%	9.27%	2.358	2.365	0%	9.09%	2.0	8.55E+14
2	1%	1.11%	1.422	1.443	-1%	1.02%	9.1	9.57E+13
3	0.10%	0.05%	0.228	0.125	45%	0.03%	94.6	2.60E+12
RG780	0.00%	0.00%	0.190	0.002	99%	0.02%	-100.0	2.07E+12

Dark Before:	0.002	Volts
Light - No Filter Hldr.:	3.398	Volts
Dark After - NFH:	0.002	Volts
Average Dark	0.0022	Volts

Notes:

1. Annual calibration is recommended.

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