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UV Irradiance Test Report

Relevant Standards
IES LM-58-2013, ANSI C82.77-10-2014, IES LM-9-2009

Prepared For
PLANT GROWERS WORKSHOP INC

106 Center St
Po Box 228
Callery, PA 16024
United States

Catalog Number
F54T5HO UVC

Order Number
13539896
Test Number
13539896.04

Test Date

2020-11-25

Prepared By

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Approved By

Eric Gaudreau, Engineering Leader

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Rectangular white metal housing
Lamp: Horizontal T5 UV-C 52 Watt
Mounting: Pendant
Ballast/Driver: Internal
Test Configuration: 9X9

Luminaire



Test Conditions

Test Temperature:	24.0 °C
Voltage:	120.0 VAC
Current:	0.8878 A
Power:	52.82 W



UV Irradiance [mW/m²]

Mounting Height: 2 feet

The luminaire was tested with the long axis of the luminaire oriented along the x-axis of the plot.

127.0	230.0	177.0	201.0	327.0	263.0	295.0	245.0	113.0	2FT	Y-Axis
260.0	266.0	243.0	446.0	496.0	306.0	297.0	308.0	314.0	1.5	
247.0	410.0	359.0	364.0	311.0	440.0	313.0	159.0	128.0	1	
152.0	304.0	337.0	575.0	381.0	457.0	521.0	430.0	168.0	0.5	
223.0	219.0	551.0	458.0	456.0	239.0	438.0	285.0	162.0	0	
215.0	292.0	387.0	522.0	531.0	622.0	523.0	385.0	251.0	0.5	
204.0	225.0	447.0	426.0	607.0	297.0	167.0	178.0	145.0	1	
156.0	384.0	281.0	246.0	357.0	228.0	398.0	190.0	131.0	1.5	
145.0	221.0	276.0	228.0	227.0	203.0	203.0	223.0	127.0	2FT	
2FT	1.5	1	0.5	0	0.5	1	1.5	2FT		
X-Axis										

Maximum Irradiance: 622.0 mW/m²

Uniformity (min/max): 0.18

Minimum Irradiance: 113.0 mW/m²

Uniformity (min/ave): 0.37

Average Irradiance: 304.3 mW/m²

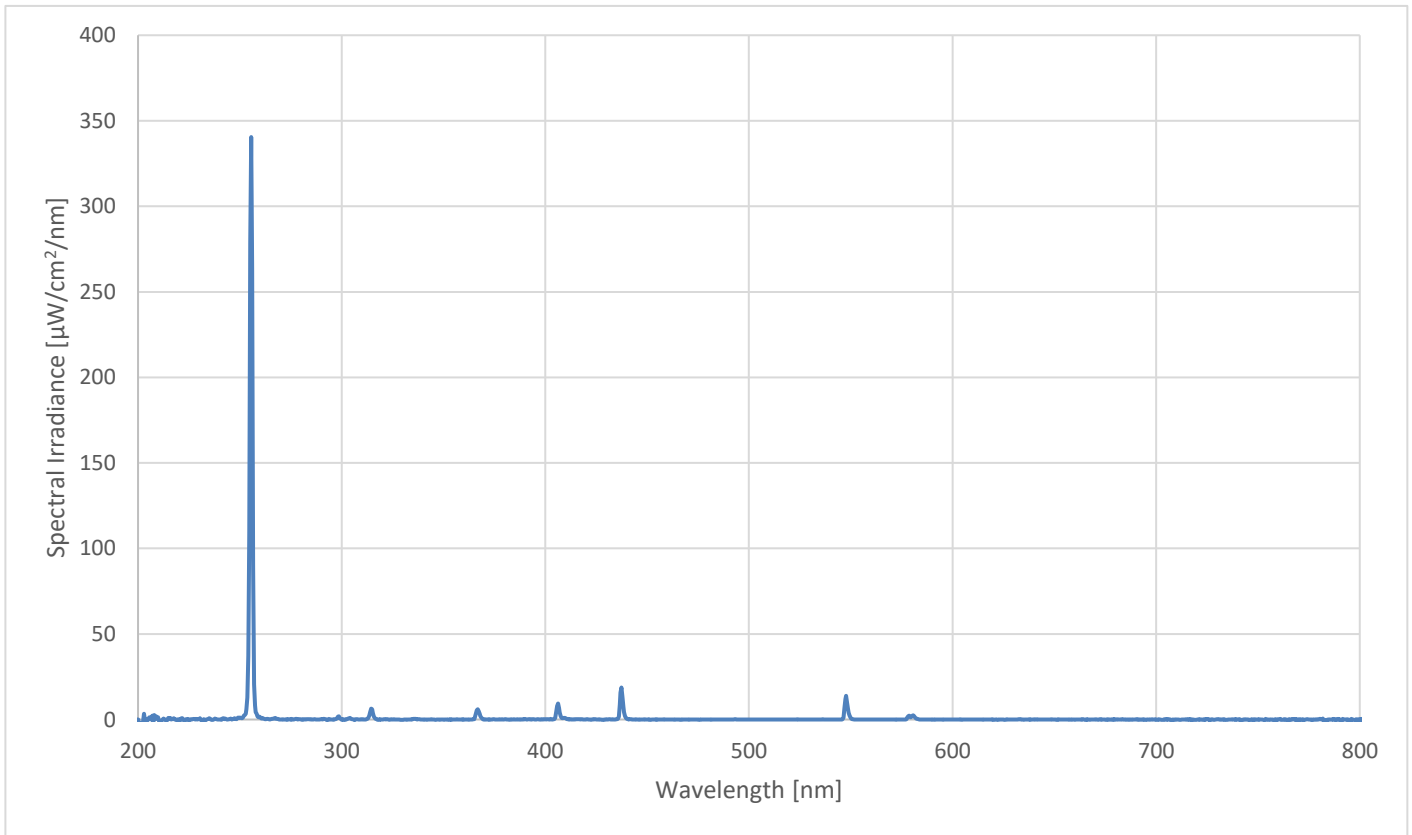
Power: 52.82 W

Relative Spectral Power Distribution of Center Measurement

Wavelength Bands	% of Total
200-250 nm	0.0%
250-300 nm	100.0%
300-350 nm	0.0%
350-400 nm	0.0%



Spectral Irradiance Plot



Maximum Spectral Irradiance at 256 nm