

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P387079

Luminaire Tested: GAW-SA2D-750-U-5NQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P387079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2D-750-U-5NQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16703 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

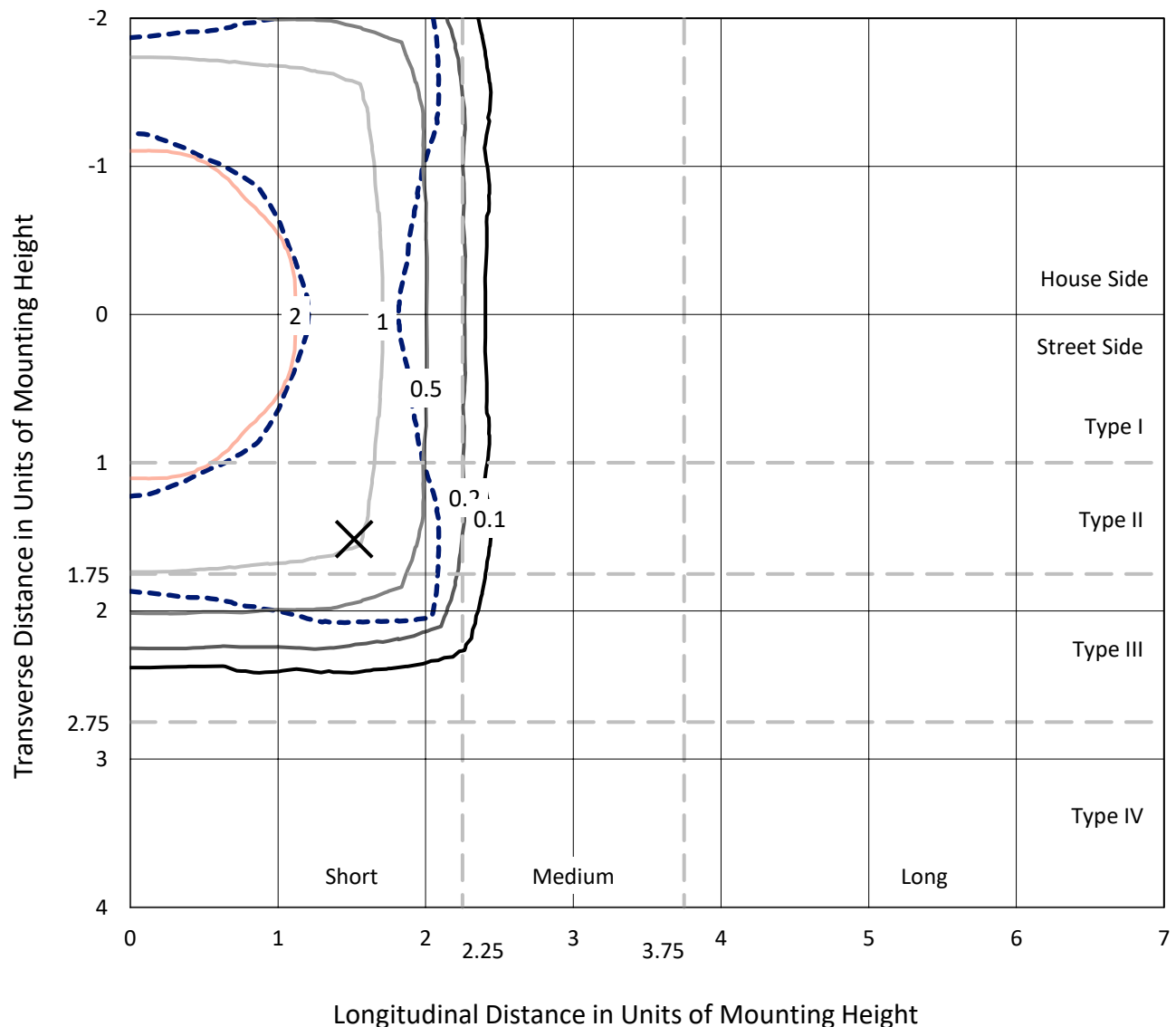


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Iso-Footcandle Lines of Horizontal Illumination

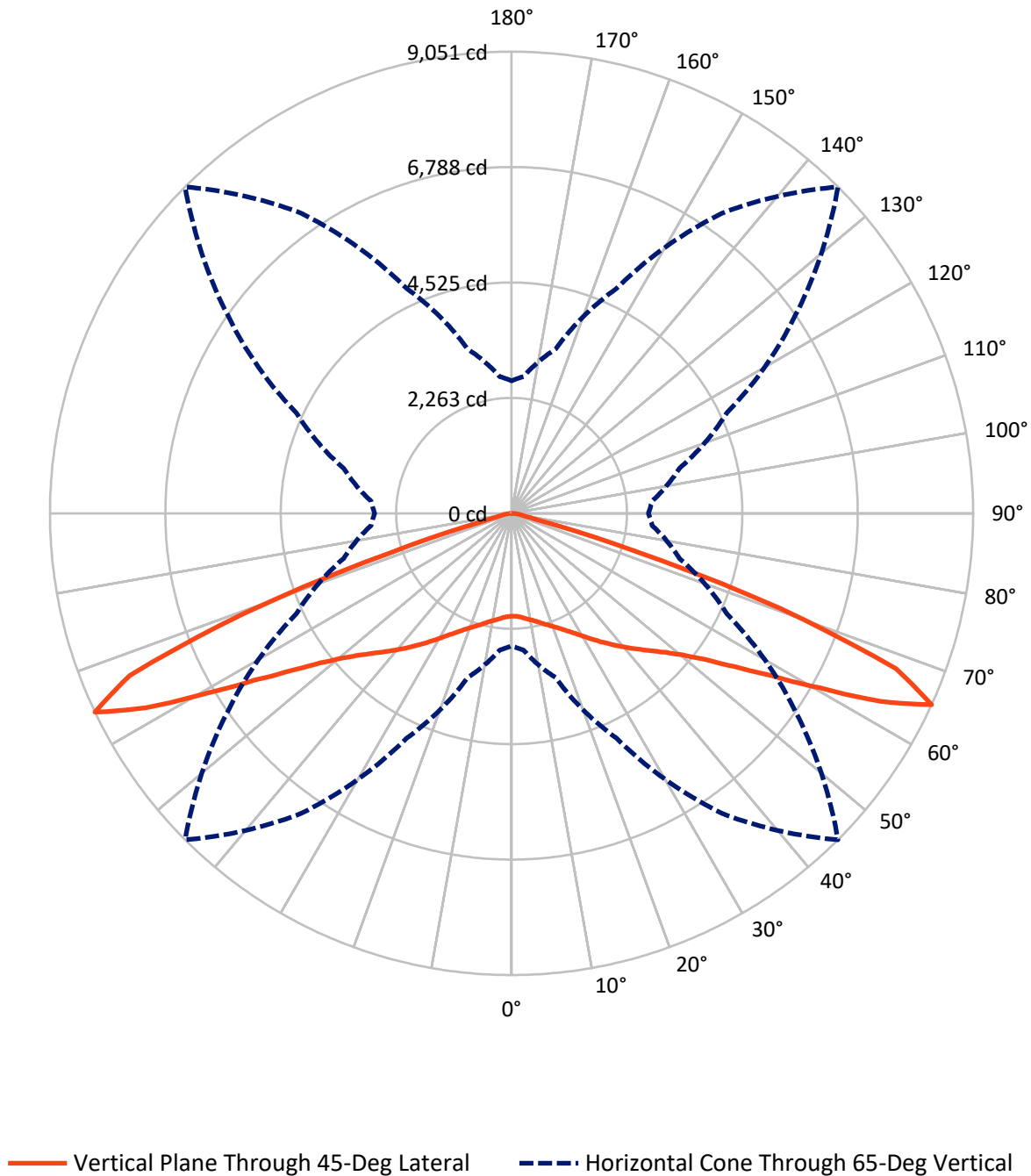
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8351.5	0.0	8351.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8351.5	0.0	8351.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16703.0	0.0	16703.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.9	1.2
10°-20°	636.1	3.8
20°-30°	1193.5	7.1
30°-40°	1973.8	11.8
40°-50°	3057.1	18.3
50°-60°	4688.7	28.1
60°-70°	4375.1	26.2
70°-80°	509.2	3.0
80°-90°	71.5	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	16703.0	100.0
0°-180°	16703.0	100.0

Coefficient of Utilization



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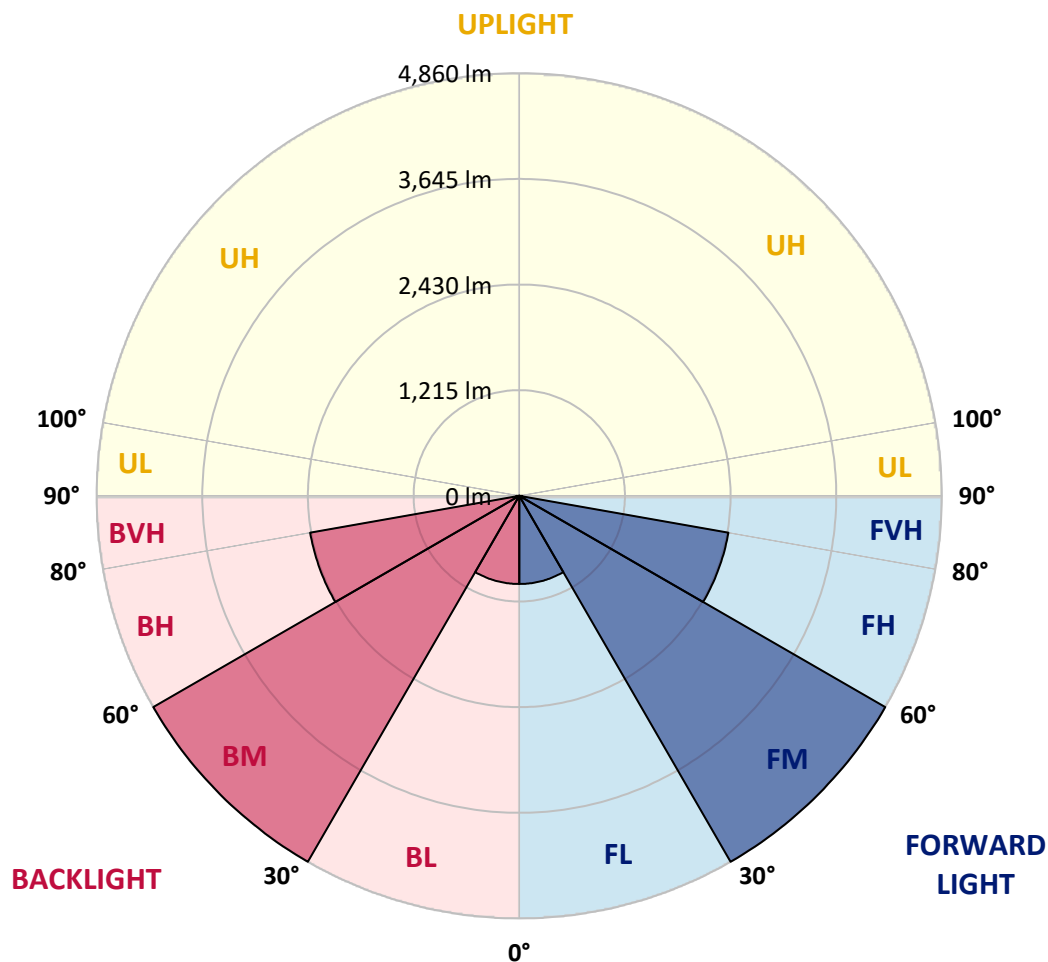
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1013.7	6.1			
FM	(30°-60°)	4859.8	29.1			
FH	(60°-80°)	2442.2	14.6			G2/5000
FVH	(80°-90°)	35.8	0.2			G1/100
BL	(0°-30°)	1013.7	6.1	B3/2500		
BM	(30°-60°)	4859.8	29.1	B3/5000		
BH	(60°-80°)	2442.2	14.6	B3/2500		G2/5000
BVH	(80°-90°)	35.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1
2.5°	2023.8	2022.6	2023.8	2024.3	2021.0	2022.6	2022.1	2024.9	2026.0	2024.9	2024.9
5°	2047.0	2045.4	2047.6	2050.4	2045.9	2047.0	2045.4	2048.7	2049.8	2047.6	2049.3
7.5°	2079.2	2079.8	2082.0	2087.0	2084.2	2086.4	2083.1	2083.6	2083.1	2079.8	2080.3
10°	2114.1	2114.7	2118.6	2125.2	2126.3	2126.3	2124.1	2122.4	2120.2	2118.0	2118.6
12.5°	2156.3	2159.0	2161.8	2170.1	2170.1	2174.6	2173.5	2169.0	2165.1	2161.8	2161.8
15°	2213.4	2212.8	2216.1	2224.5	2228.3	2235.6	2235.6	2229.5	2224.5	2221.1	2220.0
17.5°	2273.3	2274.9	2277.1	2287.1	2293.2	2301.5	2302.6	2297.7	2294.3	2289.9	2287.1
20°	2343.1	2345.9	2354.8	2358.6	2364.2	2371.9	2374.7	2373.6	2370.3	2368.1	2368.6
22.5°	2424.6	2431.8	2437.4	2442.9	2449.6	2455.1	2457.9	2461.8	2458.4	2456.8	2455.7
25°	2523.3	2528.3	2539.4	2549.4	2553.8	2555.5	2558.8	2564.3	2563.8	2559.9	2559.9
27.5°	2635.3	2644.7	2658.6	2673.0	2673.0	2667.5	2678.6	2688.0	2684.7	2679.7	2673.0
30°	2771.2	2780.0	2796.1	2816.1	2806.1	2802.2	2817.2	2834.4	2829.4	2821.1	2819.9
32.5°	2917.5	2925.8	2946.9	2968.5	2955.8	2950.2	2966.3	2991.3	2982.4	2965.8	2955.8
35°	3076.1	3084.4	3114.4	3140.4	3118.8	3109.4	3122.7	3149.8	3134.3	3103.3	3095.5
37.5°	3248.5	3253.0	3291.8	3318.4	3303.4	3278.5	3295.1	3315.1	3301.8	3264.1	3249.1
40°	3427.6	3443.7	3488.6	3519.7	3493.6	3454.2	3482.0	3509.7	3489.7	3441.5	3416.0
42.5°	3636.7	3648.9	3708.7	3736.5	3694.3	3638.9	3676.6	3714.3	3694.3	3647.7	3625.6
45°	3854.0	3872.9	3944.4	3972.1	3911.1	3840.7	3886.7	3952.7	3951.0	3883.9	3860.7
47.5°	4090.8	4109.6	4195.0	4231.6	4165.6	4071.3	4136.2	4229.4	4222.7	4149.0	4130.1
50°	4364.1	4384.1	4490.5	4536.5	4475.0	4365.2	4462.8	4544.8	4532.7	4441.7	4443.4
52.5°	4707.3	4706.2	4838.7	4918.5	4855.3	4758.3	4848.1	4928.0	4877.5	4751.7	4747.8
55°	5007.8	5026.1	5190.2	5341.6	5337.7	5300.6	5336.6	5339.9	5195.8	5028.3	5007.8
57.5°	5205.2	5240.1	5471.3	5745.2	5950.4	5999.7	5929.9	5718.1	5380.4	5112.6	5079.9
60°	5083.8	5137.0	5500.2	6058.5	6662.9	6952.8	6558.6	5901.6	5236.8	4863.7	4819.3
62.5°	4264.3	4354.1	4885.8	5907.1	7276.1	8123.8	7014.4	5607.2	4665.7	4151.7	4075.8
65°	2597.1	2691.9	3332.8	4862.0	7176.8	9050.9	6806.5	4654.1	3405.4	2766.2	2684.1
67.5°	865.5	893.2	1270.8	2687.4	5640.4	8132.2	5649.9	2786.1	1482.1	982.5	953.7
70°	338.8	341.5	403.1	779.0	2663.6	5585.6	2939.2	792.9	421.4	333.2	340.4
72.5°	248.9	250.1	267.2	325.5	694.2	2460.7	719.1	327.1	260.0	233.4	233.4
75°	200.2	200.2	212.4	237.3	311.0	564.4	315.5	234.5	203.5	186.3	184.1
77.5°	158.0	161.3	170.8	186.9	210.7	271.7	218.5	185.7	164.1	148.0	144.7
80°	117.5	120.9	136.4	144.2	151.4	188.5	161.3	145.3	129.7	110.9	107.6
82.5°	77.1	80.4	99.8	104.2	102.6	123.1	108.7	107.0	95.4	71.5	68.2
85°	50.5	51.6	66.5	69.3	63.8	56.0	69.3	73.2	66.5	46.6	44.9
87.5°	23.8	23.8	33.8	31.6	28.8	23.3	31.6	37.1	37.7	22.7	22.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)