

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: P387051

Luminaire Tested: GAW-SA2D-740-U-5NQ

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P387051  
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-740-U-5NQ  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 4000K, 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: 16704 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

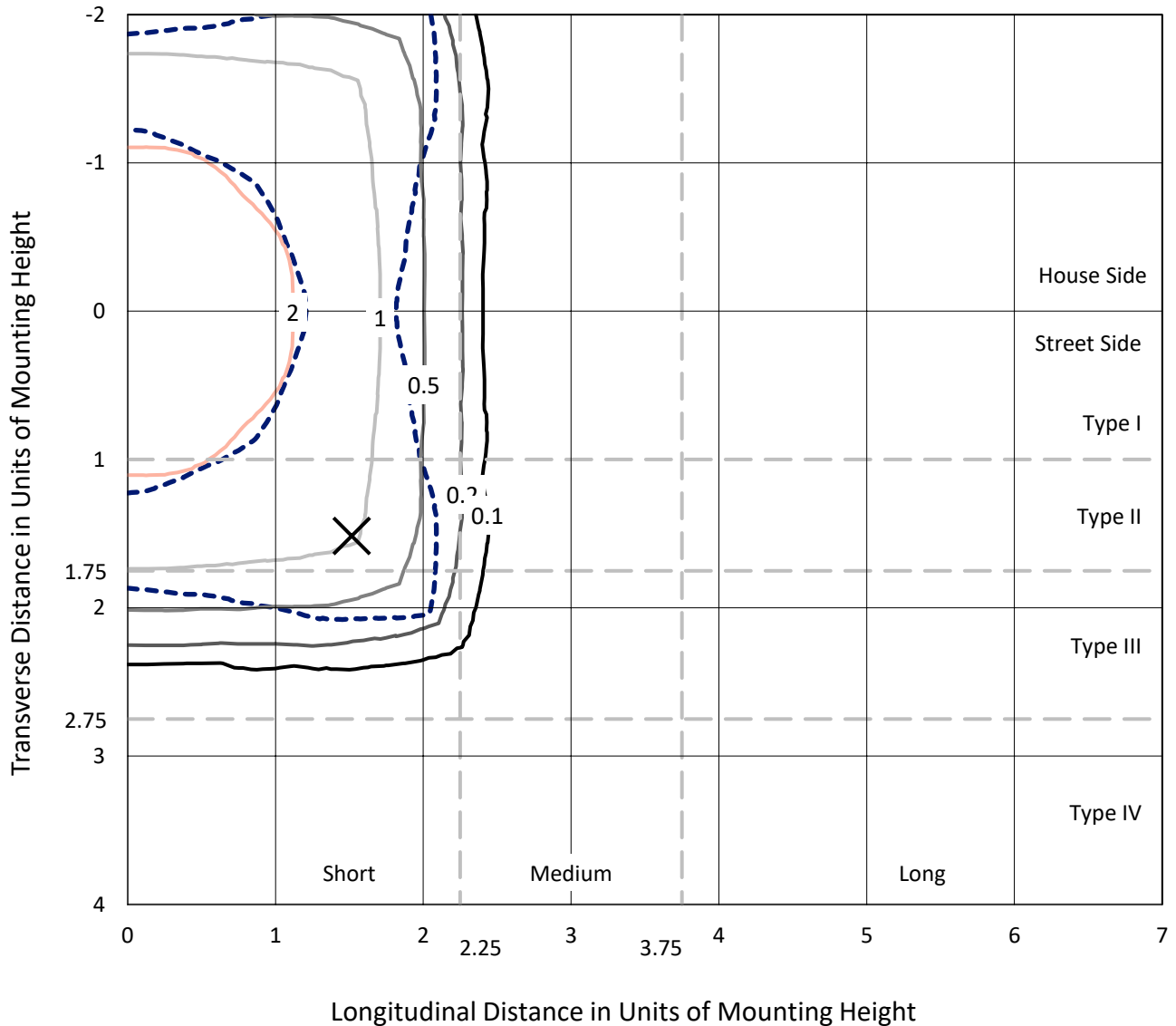
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

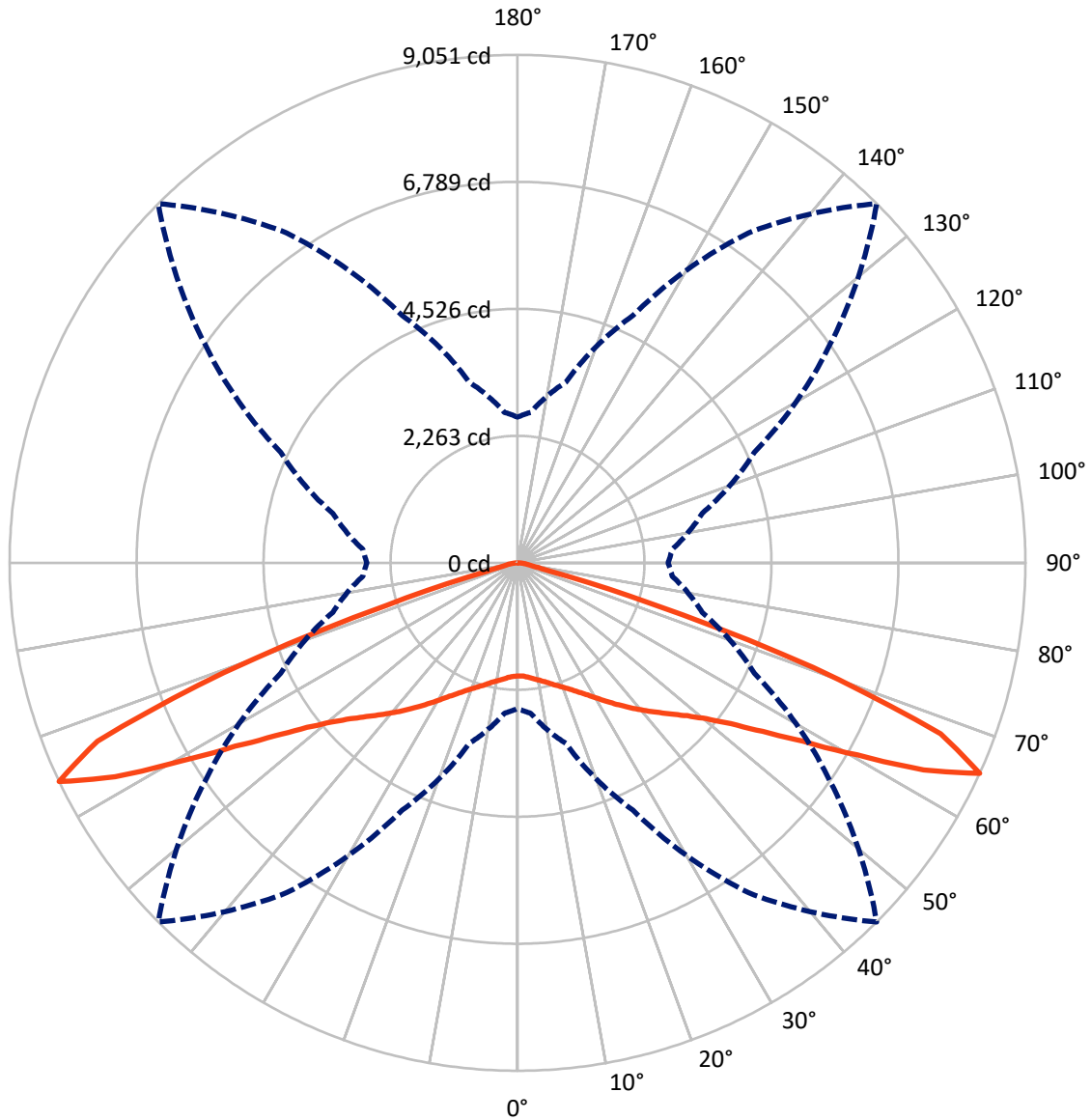
× Max cd  
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8352.0	0.0	8352.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8352.0	0.0	8352.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16704.0	0.0	16704.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.9	1.2
10°-20°	636.2	3.8
20°-30°	1193.5	7.1
30°-40°	1973.9	11.8
40°-50°	3057.3	18.3
50°-60°	4689.0	28.1
60°-70°	4375.4	26.2
70°-80°	509.2	3.0
80°-90°	71.6	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°	16704.0	100.0
0°-180°	16704.0	100.0

**Coefficient of Utilization**



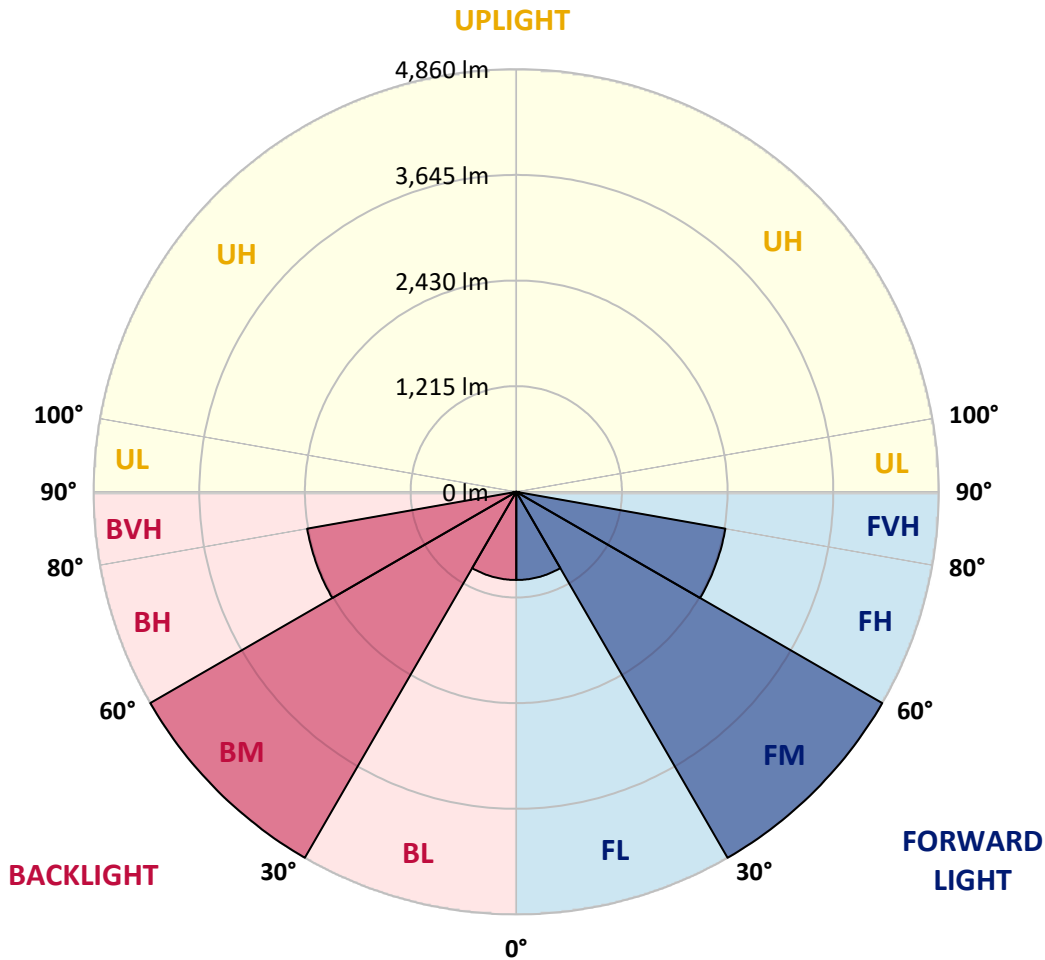
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1013.8	6.1			
FM (30°-60°)	4860.1	29.1			
FH (60°-80°)	2442.3	14.6			G2/5000
FVH (80°-90°)	35.8	0.2			G1/100
BL (0°-30°)	1013.8	6.1	B3/2500		
BM (30°-60°)	4860.1	29.1	B3/5000		
BH (60°-80°)	2442.3	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°	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2	2017.2
2.5°	2023.9	2022.8	2023.9	2024.4	2021.1	2022.8	2022.2	2025.0	2026.1	2025.0	2025.0
5°	2047.2	2045.5	2047.7	2050.5	2046.1	2047.2	2045.5	2048.8	2049.9	2047.7	2049.4
7.5°	2079.3	2079.9	2082.1	2087.1	2084.3	2086.5	2083.2	2083.8	2083.2	2079.9	2080.4
10°	2114.3	2114.8	2118.7	2125.3	2126.5	2126.5	2124.2	2122.6	2120.4	2118.1	2118.7
12.5°	2156.4	2159.2	2161.9	2170.3	2170.3	2174.7	2173.6	2169.1	2165.3	2161.9	2161.9
15°	2213.5	2213.0	2216.3	2224.6	2228.5	2235.7	2235.7	2229.6	2224.6	2221.3	2220.2
17.5°	2273.4	2275.1	2277.3	2287.3	2293.4	2301.7	2302.8	2297.8	2294.5	2290.0	2287.3
20°	2343.3	2346.0	2354.9	2358.8	2364.3	2372.1	2374.9	2373.8	2370.4	2368.2	2368.8
22.5°	2424.8	2432.0	2437.5	2443.1	2449.7	2455.3	2458.0	2461.9	2458.6	2456.9	2455.8
25°	2523.5	2528.5	2539.5	2549.5	2554.0	2555.6	2559.0	2564.5	2563.9	2560.1	2560.1
27.5°	2635.5	2644.9	2658.8	2673.2	2673.2	2667.6	2678.7	2688.1	2684.8	2679.8	2673.2
30°	2771.3	2780.2	2796.3	2816.2	2806.3	2802.4	2817.3	2834.5	2829.5	2821.2	2820.1
32.5°	2917.7	2926.0	2947.1	2968.7	2956.0	2950.4	2966.5	2991.5	2982.6	2965.9	2956.0
35°	3076.3	3084.6	3114.5	3140.6	3119.0	3109.6	3122.9	3150.0	3134.5	3103.5	3095.7
37.5°	3248.7	3253.2	3292.0	3318.6	3303.6	3278.7	3295.3	3315.3	3302.0	3264.3	3249.3
40°	3427.8	3443.9	3488.8	3519.9	3493.8	3454.4	3482.2	3509.9	3489.9	3441.7	3416.2
42.5°	3636.9	3649.1	3709.0	3736.7	3694.5	3639.1	3676.8	3714.5	3694.5	3648.0	3625.8
45°	3854.2	3873.1	3944.6	3972.3	3911.3	3840.9	3886.9	3952.9	3951.3	3884.2	3860.9
47.5°	4091.0	4109.8	4195.2	4231.8	4165.9	4071.6	4136.5	4229.6	4223.0	4149.2	4130.4
50°	4364.4	4384.3	4490.8	4536.8	4475.3	4365.5	4463.1	4545.1	4532.9	4442.0	4443.6
52.5°	4707.6	4706.5	4839.0	4918.8	4855.6	4758.6	4848.4	4928.3	4877.8	4751.9	4748.1
55°	5008.1	5026.4	5190.5	5341.9	5338.0	5300.9	5336.9	5340.3	5196.1	5028.6	5008.1
57.5°	5205.5	5240.4	5471.7	5745.6	5950.7	6000.1	5930.2	5718.4	5380.7	5112.9	5080.2
60°	5084.1	5137.3	5500.5	6058.9	6663.3	6953.3	6559.0	5901.9	5237.1	4863.9	4819.6
62.5°	4264.6	4354.4	4886.1	5907.5	7276.5	8124.3	7014.8	5607.5	4666.0	4152.0	4076.0
65°	2597.2	2692.0	3333.0	4862.3	7177.3	9051.4	6806.9	4654.4	3405.7	2766.3	2684.3
67.5°	865.6	893.3	1270.9	2687.6	5640.8	8132.6	5650.2	2786.3	1482.1	982.5	953.7
70°	338.8	341.6	403.1	779.1	2663.8	5585.9	2939.3	792.9	421.4	333.2	340.5
72.5°	249.0	250.1	267.3	325.5	694.2	2460.8	719.2	327.1	260.1	233.4	233.4
75°	200.2	200.2	212.4	237.3	311.1	564.5	315.5	234.5	203.5	186.3	184.1
77.5°	158.0	161.4	170.8	186.9	210.7	271.7	218.5	185.8	164.1	148.0	144.7
80°	117.6	120.9	136.4	144.2	151.4	188.5	161.4	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	37.2	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)