

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: P386939

Luminaire Tested: GAW-SA2C-830-U-5NQ

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386939  
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-SA2C-830-U-5NQ  
Description: GALLEON WALL LUMINAIRE  
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12099 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

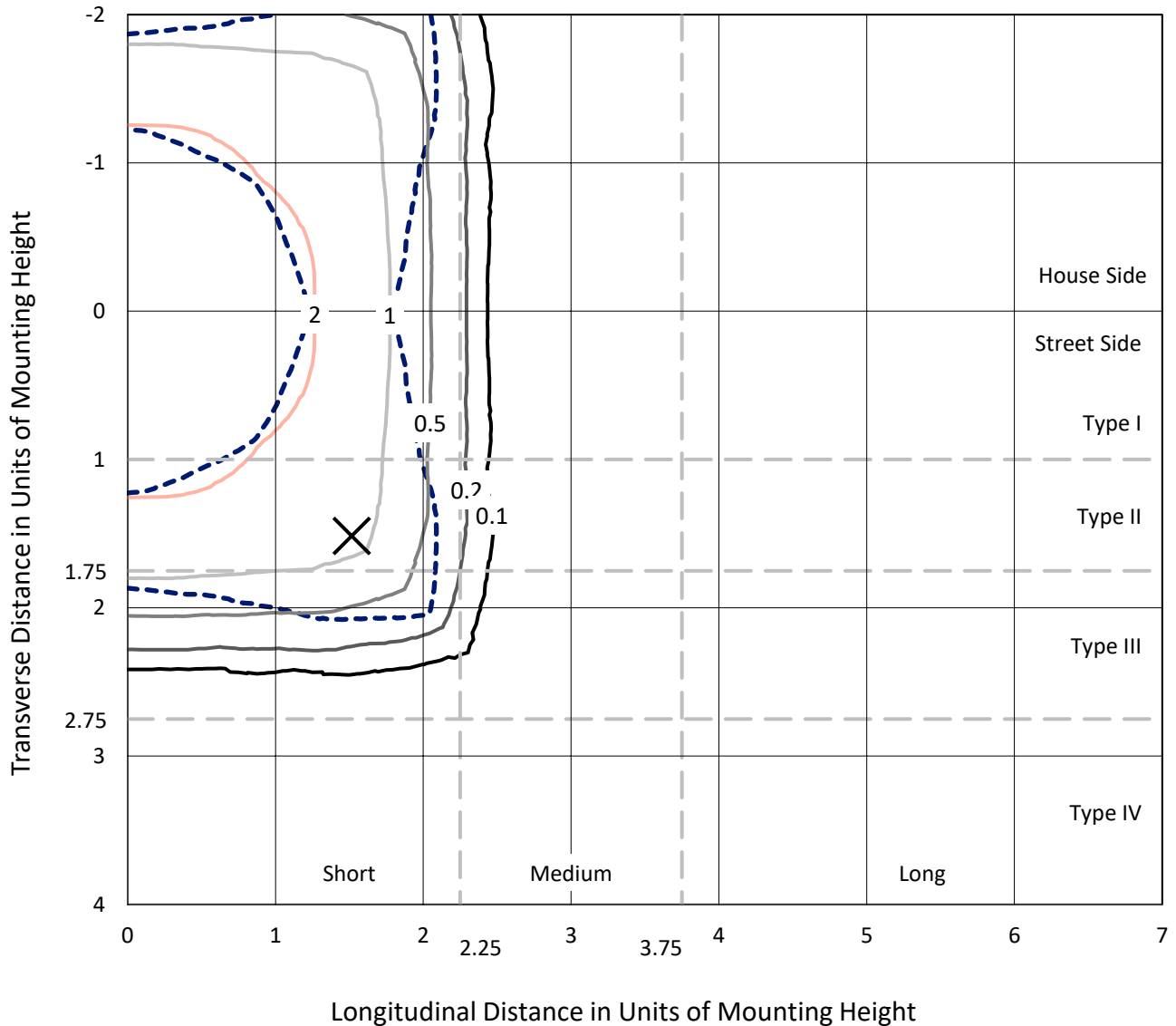
Input Watts (W): 111  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

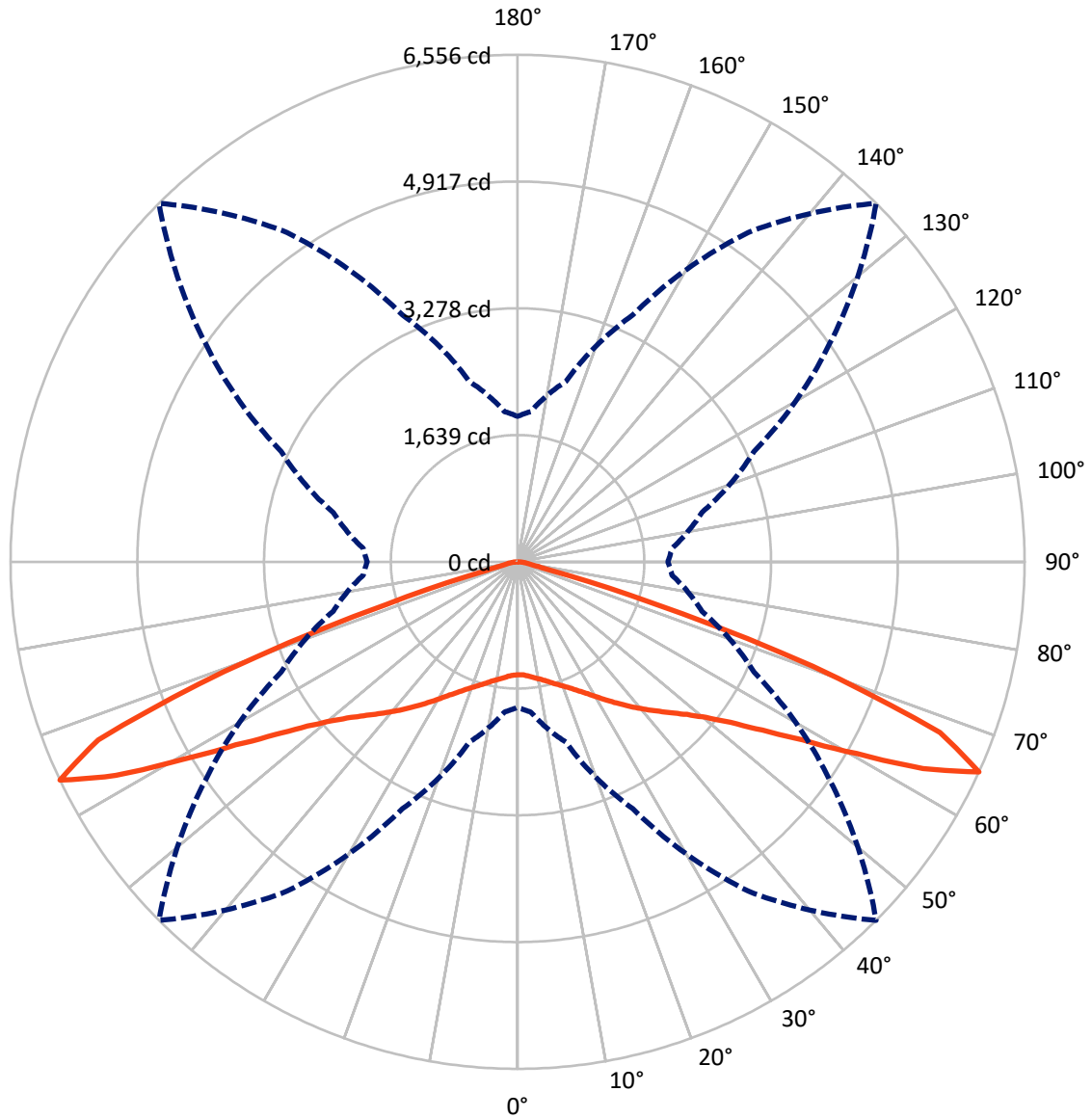
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 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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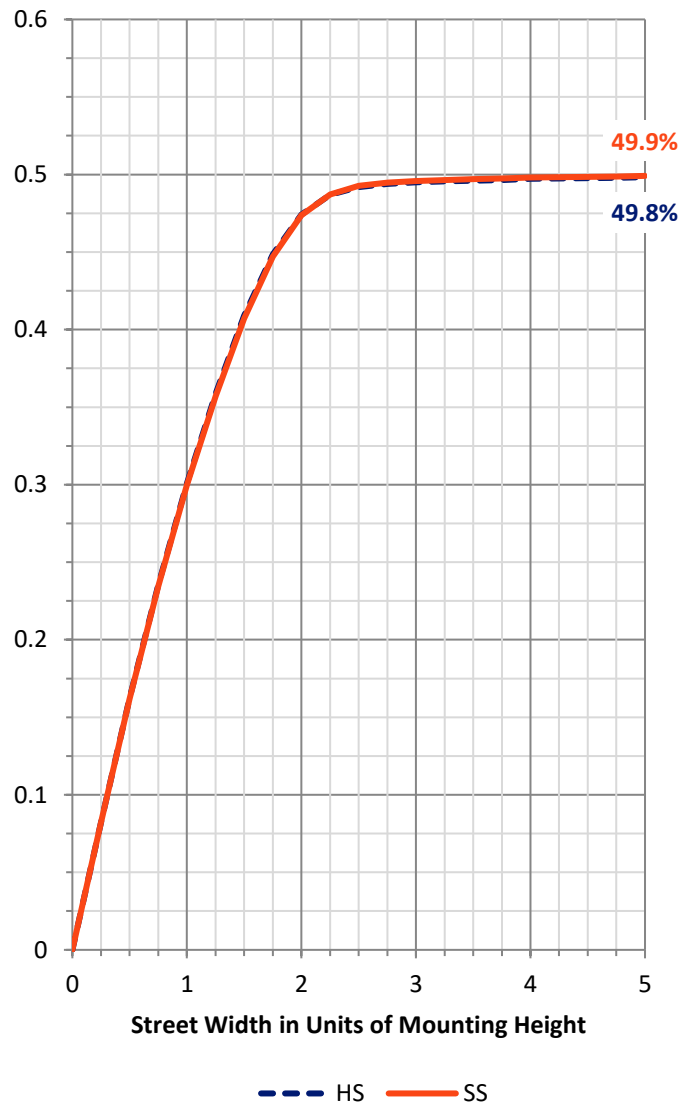
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6049.5	0.0	6049.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6049.5	0.0	6049.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12099.0	0.0	12099.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.3	1.2
10°-20°	460.8	3.8
20°-30°	864.5	7.1
30°-40°	1429.7	11.8
40°-50°	2214.5	18.3
50°-60°	3396.3	28.1
60°-70°	3169.2	26.2
70°-80°	368.8	3.0
80°-90°	51.8	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°	12099.0	100.0
0°-180°	12099.0	100.0

**Coefficient of Utilization**



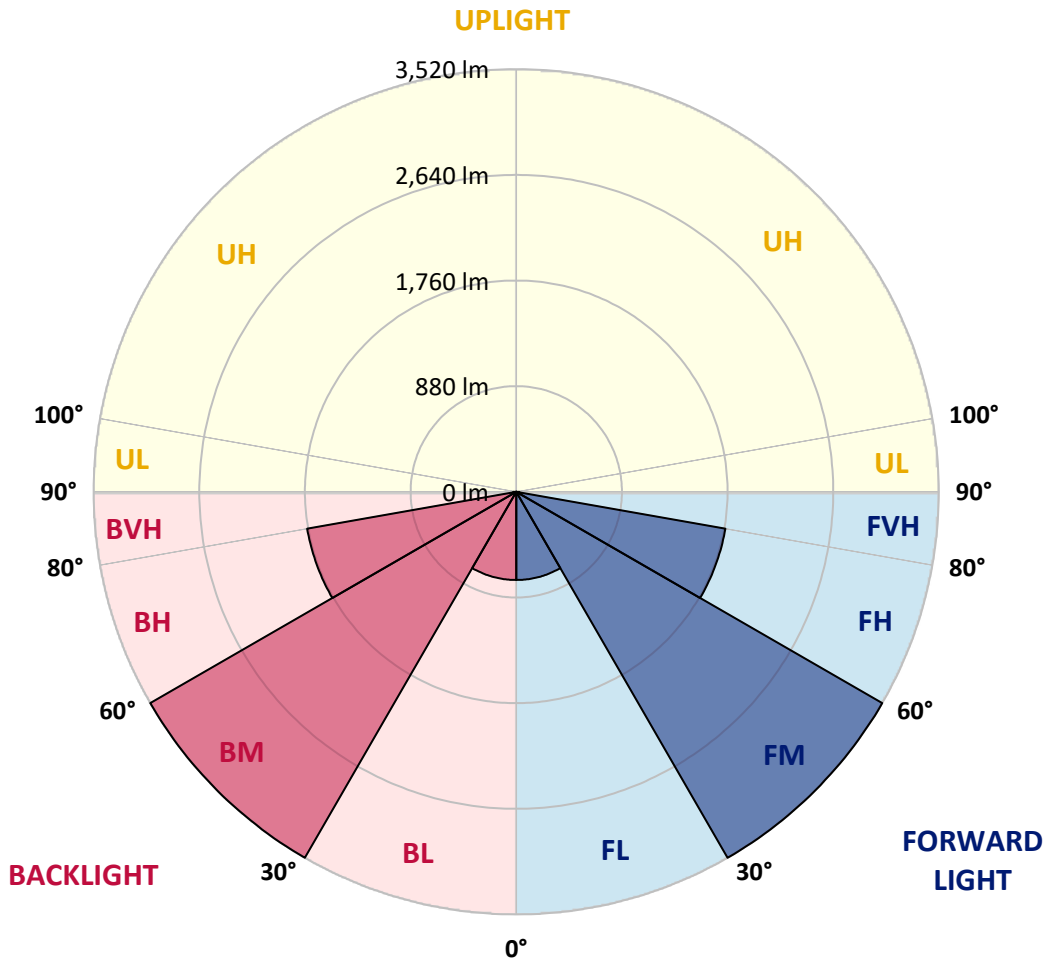
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	734.3	6.1			
FM (30°-60°)	3520.3	29.1			
FH (60°-80°)	1769.0	14.6			G1/1800
FVH (80°-90°)	25.9	0.2			G1/100
BL (0°-30°)	734.3	6.1	B2/1000		
BM (30°-60°)	3520.3	29.1	B3/5000		
BH (60°-80°)	1769.0	14.6	B3/2500		G1/1800
BVH (80°-90°)	25.9	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1461.1	1461.1	1461.1	1461.1	1461.1	1461.1	1461.1	1461.1	1461.1	1461.1	1461.1
2.5°	1465.9	1465.1	1465.9	1466.3	1463.9	1465.1	1464.7	1466.7	1467.5	1466.7	1466.7
5°	1482.8	1481.6	1483.2	1485.2	1482.0	1482.8	1481.6	1484.0	1484.8	1483.2	1484.4
7.5°	1506.1	1506.5	1508.1	1511.7	1509.7	1511.3	1508.9	1509.3	1508.9	1506.5	1506.9
10°	1531.4	1531.8	1534.6	1539.4	1540.2	1540.2	1538.6	1537.4	1535.8	1534.2	1534.6
12.5°	1561.9	1563.9	1565.9	1572.0	1572.0	1575.2	1574.4	1571.2	1568.3	1565.9	1565.9
15°	1603.3	1602.9	1605.3	1611.3	1614.1	1619.3	1619.3	1614.9	1611.3	1608.9	1608.1
17.5°	1646.7	1647.9	1649.5	1656.7	1661.1	1667.1	1667.9	1664.3	1661.9	1658.7	1656.7
20°	1697.3	1699.3	1705.7	1708.5	1712.5	1718.1	1720.2	1719.4	1716.9	1715.3	1715.7
22.5°	1756.3	1761.5	1765.5	1769.6	1774.4	1778.4	1780.4	1783.2	1780.8	1779.6	1778.8
25°	1827.8	1831.4	1839.4	1846.7	1849.9	1851.1	1853.5	1857.5	1857.1	1854.3	1854.3
27.5°	1908.9	1915.7	1925.8	1936.2	1936.2	1932.2	1940.2	1947.1	1944.7	1941.0	1936.2
30°	2007.3	2013.7	2025.4	2039.8	2032.6	2029.8	2040.7	2053.1	2049.5	2043.5	2042.7
32.5°	2113.3	2119.4	2134.6	2150.3	2141.1	2137.0	2148.7	2166.8	2160.3	2148.3	2141.1
35°	2228.2	2234.2	2255.9	2274.8	2259.1	2252.3	2261.9	2281.6	2270.4	2247.9	2242.3
37.5°	2353.1	2356.3	2384.4	2403.7	2392.9	2374.8	2386.9	2401.3	2391.7	2364.4	2353.5
40°	2482.8	2494.5	2527.0	2549.5	2530.6	2502.1	2522.2	2542.3	2527.8	2492.9	2474.4
42.5°	2634.3	2643.1	2686.5	2706.5	2676.0	2635.9	2663.2	2690.5	2676.0	2642.3	2626.2
45°	2791.7	2805.3	2857.2	2877.2	2833.1	2782.0	2815.4	2863.2	2862.0	2813.4	2796.5
47.5°	2963.2	2976.8	3038.7	3065.2	3017.4	2949.1	2996.1	3063.6	3058.8	3005.4	2991.7
50°	3161.2	3175.6	3252.8	3286.1	3241.5	3162.0	3232.7	3292.1	3283.3	3217.4	3218.6
52.5°	3409.8	3409.0	3505.0	3562.8	3517.0	3446.7	3511.8	3569.6	3533.1	3441.9	3439.1
55°	3627.5	3640.7	3759.6	3869.2	3866.4	3839.5	3865.6	3868.0	3763.6	3642.3	3627.5
57.5°	3770.4	3795.7	3963.2	4161.6	4310.2	4346.0	4295.4	4141.9	3897.4	3703.4	3679.7
60°	3682.5	3721.0	3984.1	4388.5	4826.3	5036.4	4750.8	4274.9	3793.3	3523.0	3490.9
62.5°	3088.9	3154.0	3539.1	4278.9	5270.5	5884.6	5080.9	4061.6	3379.7	3007.4	2952.3
65°	1881.2	1949.9	2414.2	3521.8	5198.6	6556.1	4930.3	3371.2	2466.8	2003.7	1944.3
67.5°	626.9	647.0	920.5	1946.7	4085.7	5890.6	4092.5	2018.2	1073.5	711.7	690.8
70°	245.4	247.4	292.0	564.3	1929.4	4046.0	2129.0	574.3	305.2	241.4	246.6
72.5°	180.3	181.1	193.6	235.8	502.8	1782.4	520.9	237.0	188.4	169.1	169.1
75°	145.0	145.0	153.8	171.9	225.3	408.9	228.5	169.9	147.4	134.9	133.3
77.5°	114.5	116.9	123.7	135.3	152.6	196.8	158.2	134.5	118.9	107.2	104.8
80°	85.1	87.6	98.8	104.4	109.6	136.6	116.9	105.2	94.0	80.3	77.9
82.5°	55.8	58.2	72.3	75.5	74.3	89.2	78.7	77.5	69.1	51.8	49.4
85°	36.5	37.4	48.2	50.2	46.2	40.6	50.2	53.0	48.2	33.7	32.5
87.5°	17.3	17.3	24.5	22.9	20.9	16.9	22.9	26.9	27.3	16.5	16.1
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)