

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: P386355

Luminaire Tested: GAW-SA2A-730-U-RW

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386355  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA2A-730-U-RW  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9054 lumens  
Efficiency: N/A  
Efficacy: 137.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

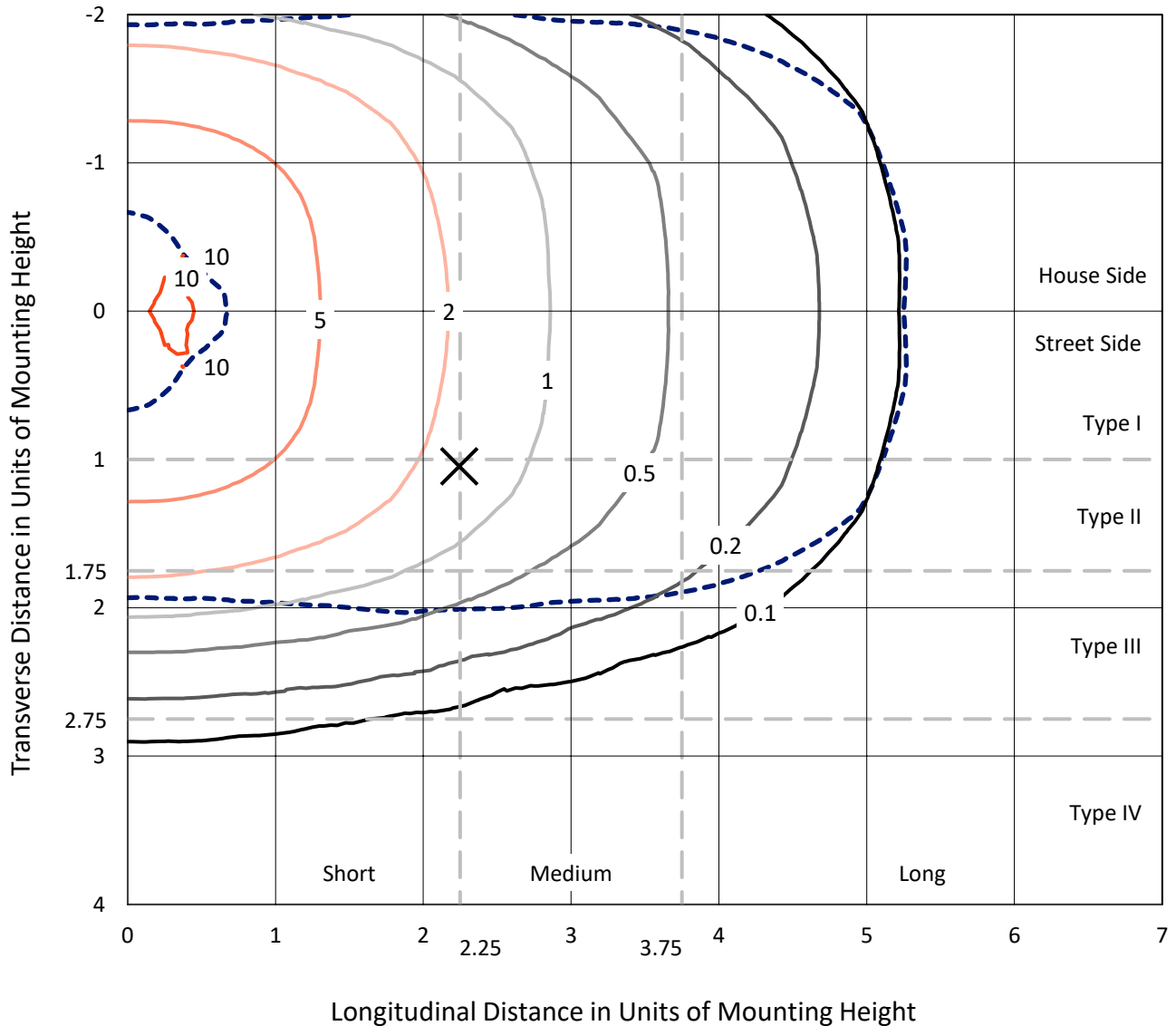
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

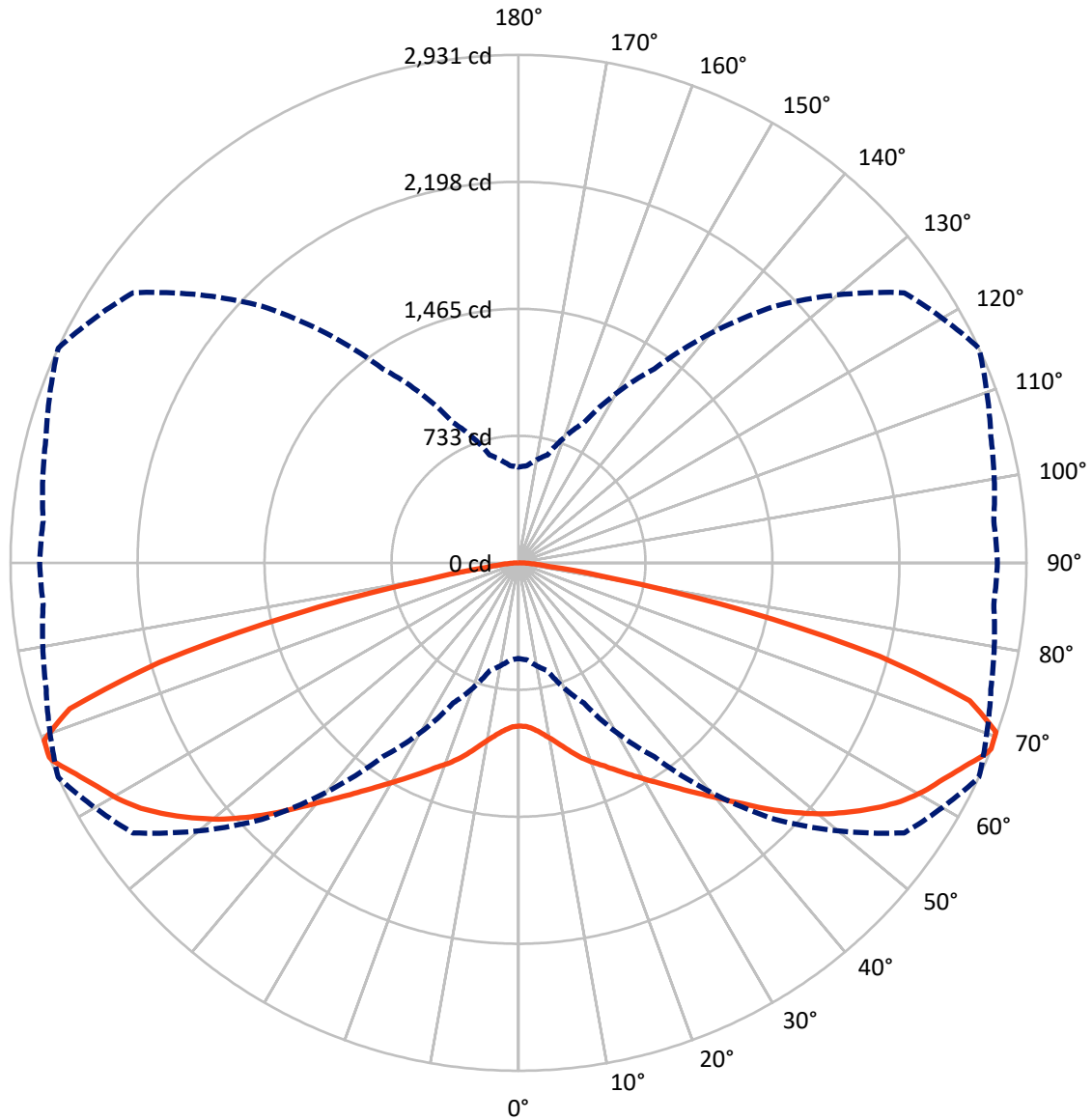
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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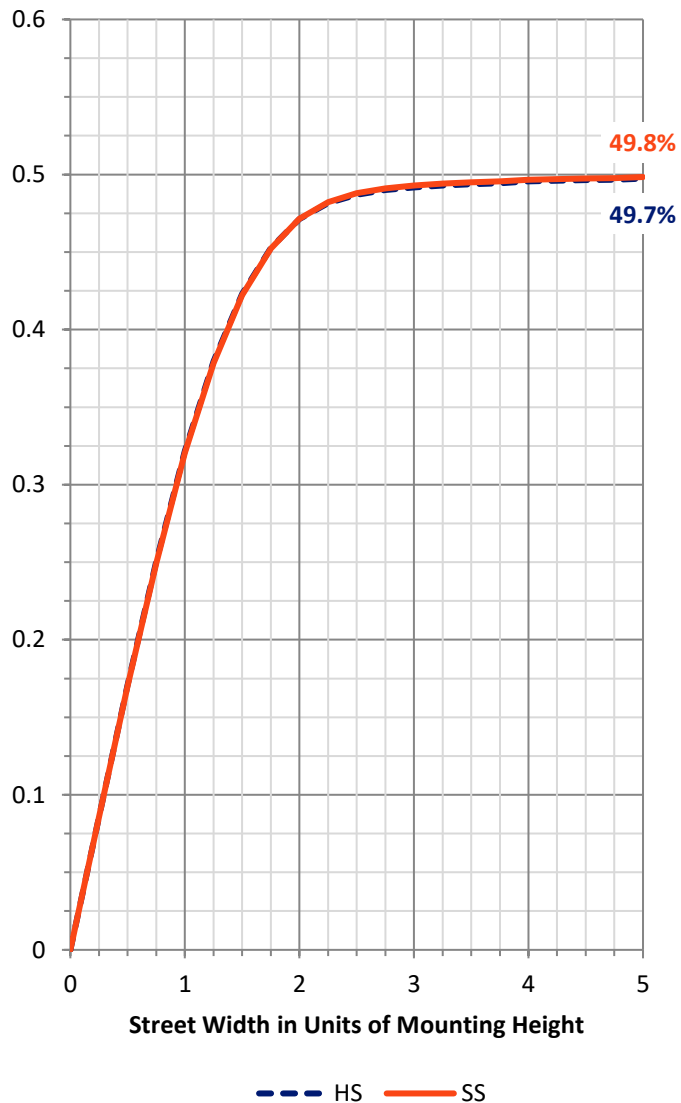
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4527.0	0.0	4527.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4527.0	0.0	4527.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9054.0	0.0	9054.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.2	1.0
10°-20°	308.6	3.4
20°-30°	601.7	6.6
30°-40°	1010.9	11.2
40°-50°	1592.8	17.6
50°-60°	2130.1	23.5
60°-70°	2070.7	22.9
70°-80°	1131.9	12.5
80°-90°	115.1	1.3
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°	9054.0	100.0
0°-180°	9054.0	100.0

**Coefficient of Utilization**

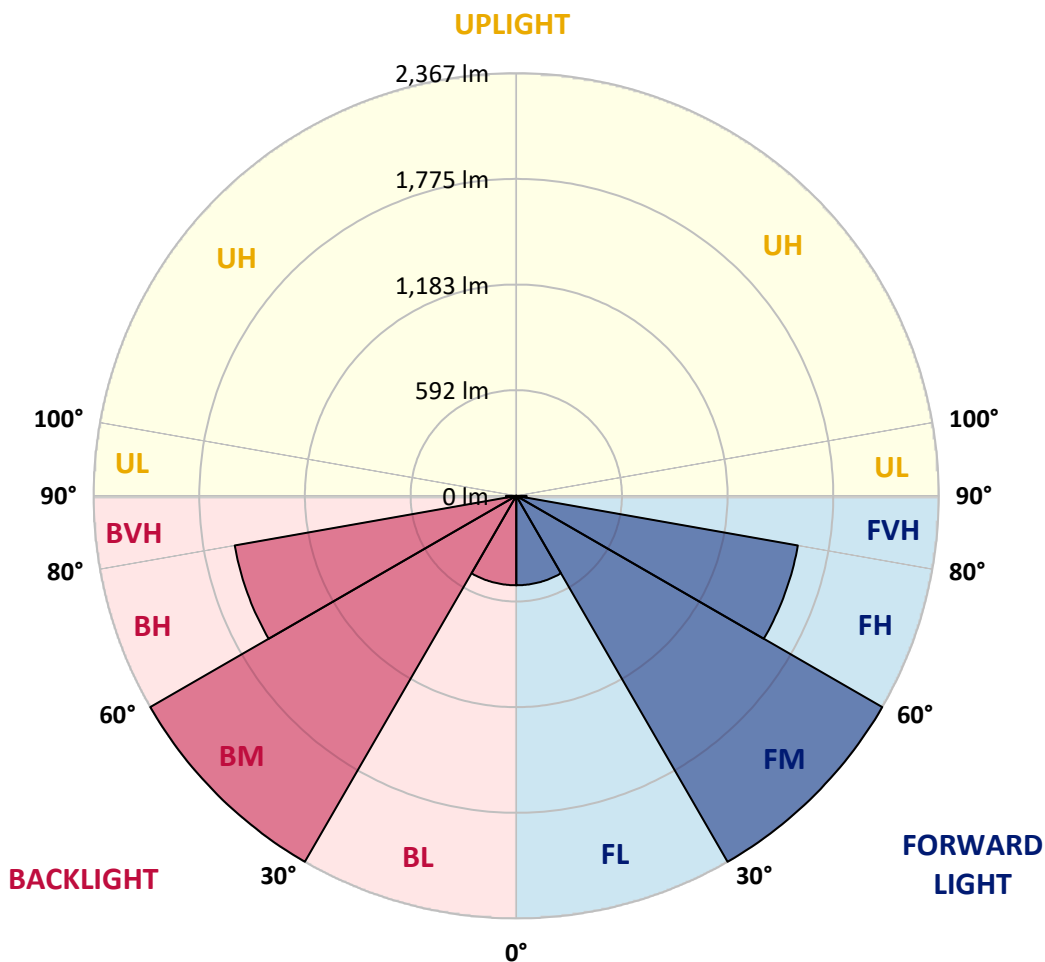


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	501.3	5.5			
FM (30°-60°)	2366.9	26.1			
FH (60°-80°)	1601.3	17.7			G1/1800
FVH (80°-90°)	57.6	0.6			G1/100
BL (0°-30°)	501.3	5.5	B2/1000		
BM (30°-60°)	2366.9	26.1	B2/2500		
BH (60°-80°)	1601.3	17.7	B3/2500		G3/2500
BVH (80°-90°)	57.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	941.4	941.4	941.4	941.4	941.4	941.4	941.4	941.4	941.4	941.4	941.4
2.5°	934.7	935.0	936.5	938.4	939.9	943.8	944.7	946.3	946.9	948.4	948.4
5°	926.5	927.1	930.8	935.6	941.1	950.8	957.8	965.7	969.6	973.9	973.6
7.5°	925.6	927.1	932.3	940.2	949.3	965.4	980.0	995.7	1006.4	1016.1	1015.5
10°	935.0	937.5	944.7	956.6	970.2	990.3	1011.8	1033.1	1051.6	1066.5	1067.1
12.5°	949.3	952.3	963.9	981.8	1002.4	1028.2	1053.7	1077.7	1103.2	1125.4	1127.2
15°	968.1	972.1	989.4	1016.1	1047.7	1078.3	1105.6	1130.2	1159.7	1190.3	1193.4
17.5°	996.0	1001.5	1024.3	1060.4	1102.0	1135.7	1164.2	1182.7	1207.3	1238.9	1244.7
20°	1038.5	1045.5	1074.4	1117.5	1168.2	1203.4	1225.3	1229.2	1241.3	1269.6	1276.3
22.5°	1093.8	1099.9	1132.1	1183.4	1240.1	1278.4	1289.9	1274.1	1272.9	1295.7	1302.1
25°	1155.4	1160.9	1198.2	1255.9	1316.9	1359.1	1358.8	1328.2	1306.9	1324.5	1331.2
27.5°	1224.6	1233.1	1269.0	1329.7	1395.0	1436.5	1434.1	1386.8	1346.4	1350.9	1356.7
30°	1304.2	1313.6	1348.5	1410.1	1475.4	1516.1	1513.0	1450.5	1389.8	1377.6	1381.9
32.5°	1402.8	1414.1	1447.2	1507.9	1565.6	1602.3	1593.5	1519.7	1442.0	1415.6	1419.5
35°	1521.5	1528.2	1563.1	1622.9	1669.7	1694.9	1676.4	1599.9	1508.2	1476.3	1476.3
37.5°	1641.8	1646.9	1686.1	1744.1	1789.3	1802.7	1766.5	1687.6	1594.7	1549.5	1550.4
40°	1757.1	1771.1	1815.1	1874.6	1919.2	1922.9	1874.9	1787.8	1690.9	1644.2	1649.7
42.5°	1877.6	1891.3	1943.8	2011.2	2050.7	2056.8	2000.6	1900.1	1799.6	1761.7	1767.7
45°	1985.1	1996.0	2056.8	2135.1	2184.3	2200.0	2133.6	2028.8	1917.1	1880.1	1881.6
47.5°	2060.1	2074.4	2141.2	2233.4	2305.1	2329.4	2264.1	2154.2	2032.8	1987.8	1991.8
50°	2128.1	2135.7	2203.4	2304.2	2395.2	2445.3	2389.5	2278.1	2149.7	2102.0	2106.2
52.5°	2166.0	2175.8	2241.3	2346.4	2454.1	2534.9	2500.9	2389.5	2262.6	2216.1	2221.3
55°	2139.6	2146.9	2225.5	2355.8	2490.6	2590.1	2595.3	2498.5	2373.4	2332.7	2347.3
57.5°	2019.4	2028.5	2124.5	2295.1	2495.1	2627.5	2666.3	2599.6	2476.9	2443.8	2452.3
60°	1831.5	1837.3	1939.6	2131.4	2406.5	2643.0	2711.6	2682.1	2578.3	2545.2	2556.8
62.5°	1496.7	1505.2	1627.5	1884.6	2219.2	2597.1	2755.3	2750.4	2672.7	2642.4	2652.7
65°	1023.1	1037.9	1173.3	1498.5	1930.5	2456.9	2795.1	2830.0	2756.2	2718.0	2731.6
67.5°	617.8	628.7	726.8	989.4	1477.2	2173.9	2754.1	2920.4	2815.1	2753.5	2764.7
68°	552.2	562.2	644.2	892.8	1366.4	2094.1	2716.7	2930.8	2821.5	2752.9	2762.9
70°	333.6	340.3	395.3	551.9	911.0	1661.2	2462.0	2922.3	2862.2	2761.4	2767.1
72.5°	217.4	219.5	228.6	283.2	465.4	929.0	1847.9	2723.1	2923.2	2810.9	2809.9
75°	180.6	179.4	180.3	186.7	229.5	407.4	1079.8	2151.2	2786.6	2732.8	2713.7
77.5°	152.7	151.8	151.5	151.8	153.6	196.7	468.7	1340.0	2132.3	2417.4	2434.4
80°	123.6	122.3	126.3	124.5	119.0	122.3	196.4	557.4	1005.2	1081.4	1013.4
82.5°	89.9	85.3	102.3	97.4	92.9	86.2	108.4	180.0	239.8	164.5	115.7
85°	69.2	64.4	77.7	74.7	63.8	44.0	64.4	88.0	97.1	55.6	43.7
87.5°	28.2	29.8	56.2	44.3	37.3	21.3	26.4	35.2	47.4	23.7	18.2
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)