

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: P386327

Luminaire Tested: GAW-SA2A-727-U-RW

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386327  
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-727-U-RW  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8314 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

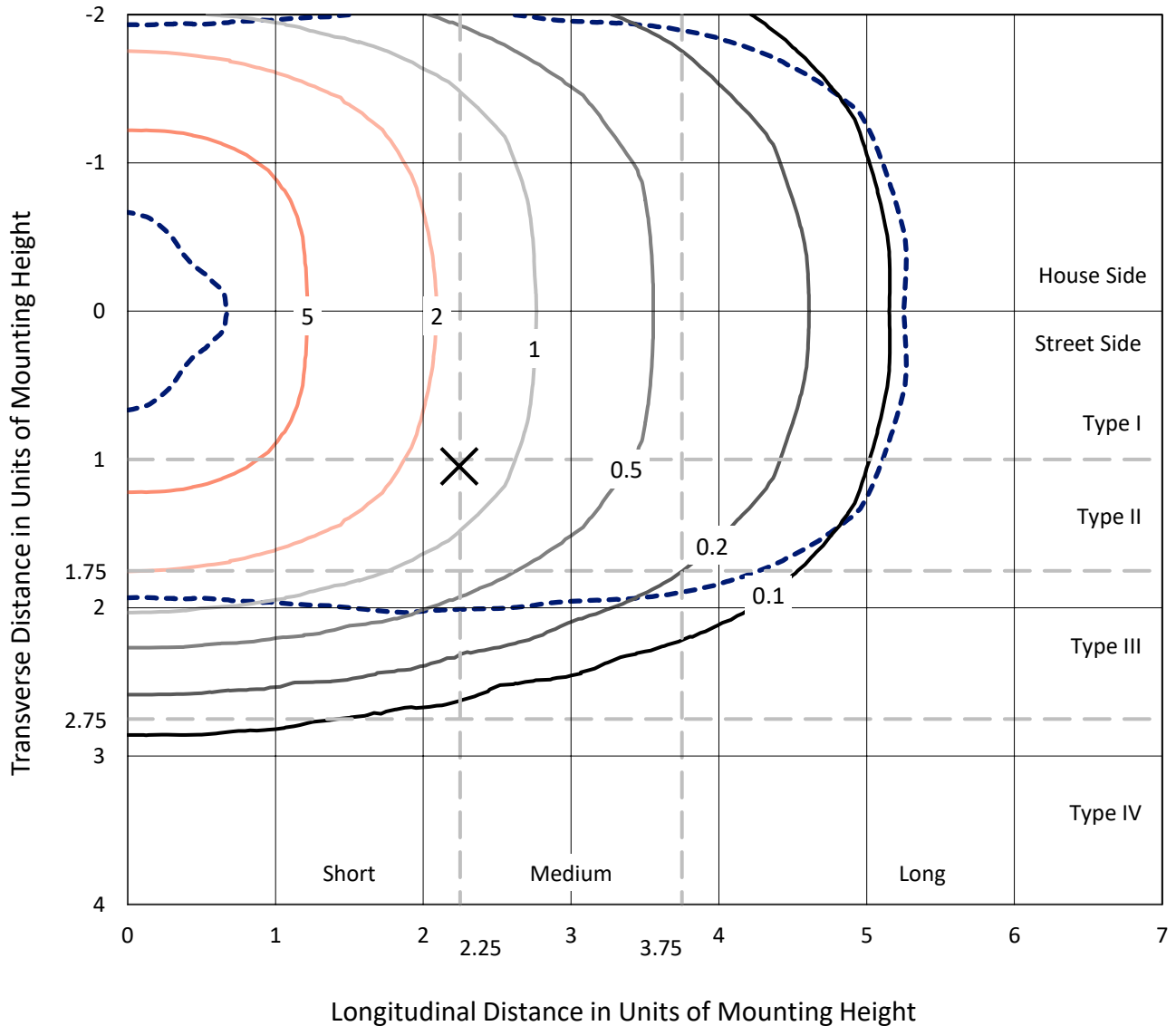
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

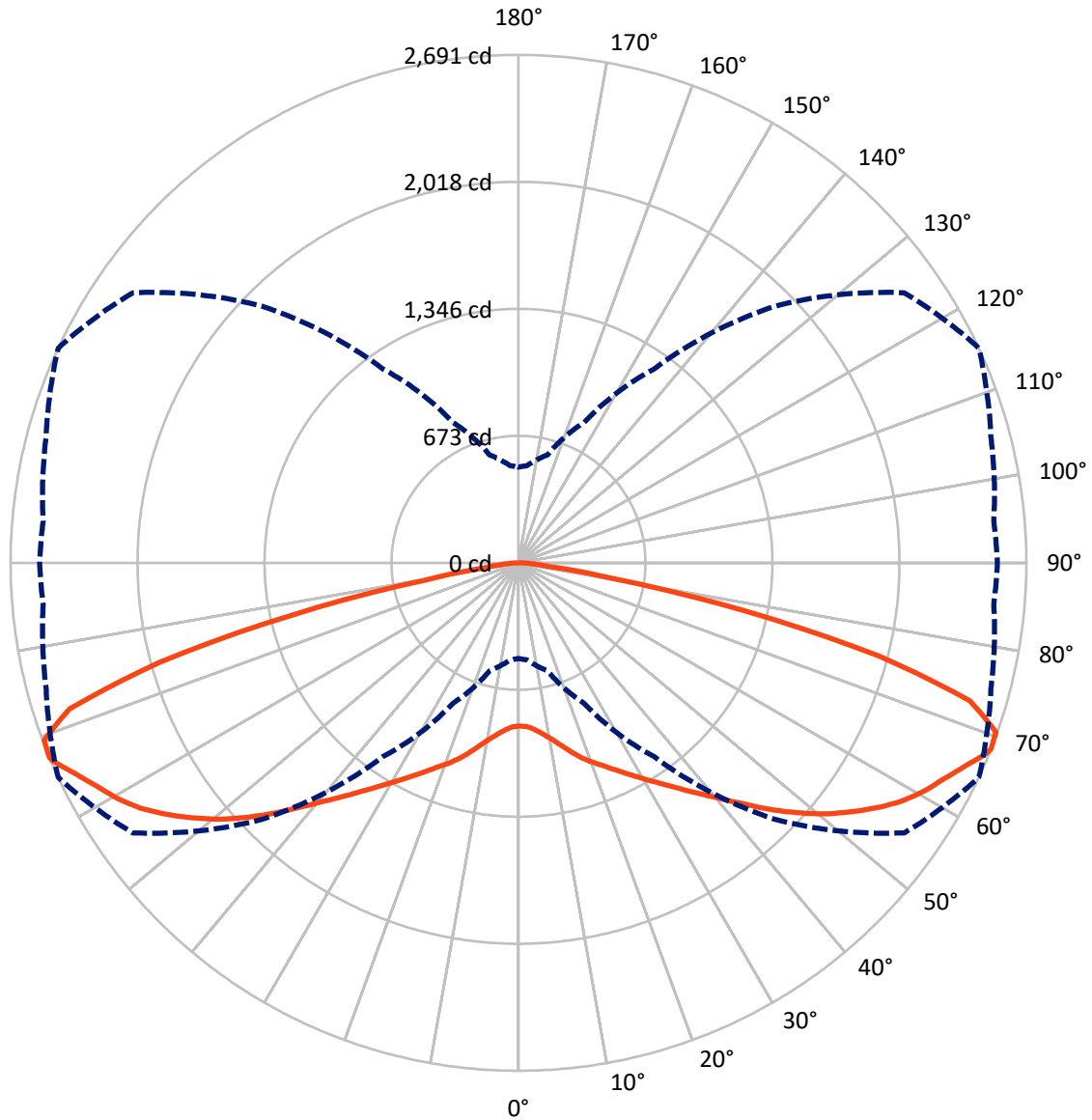
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 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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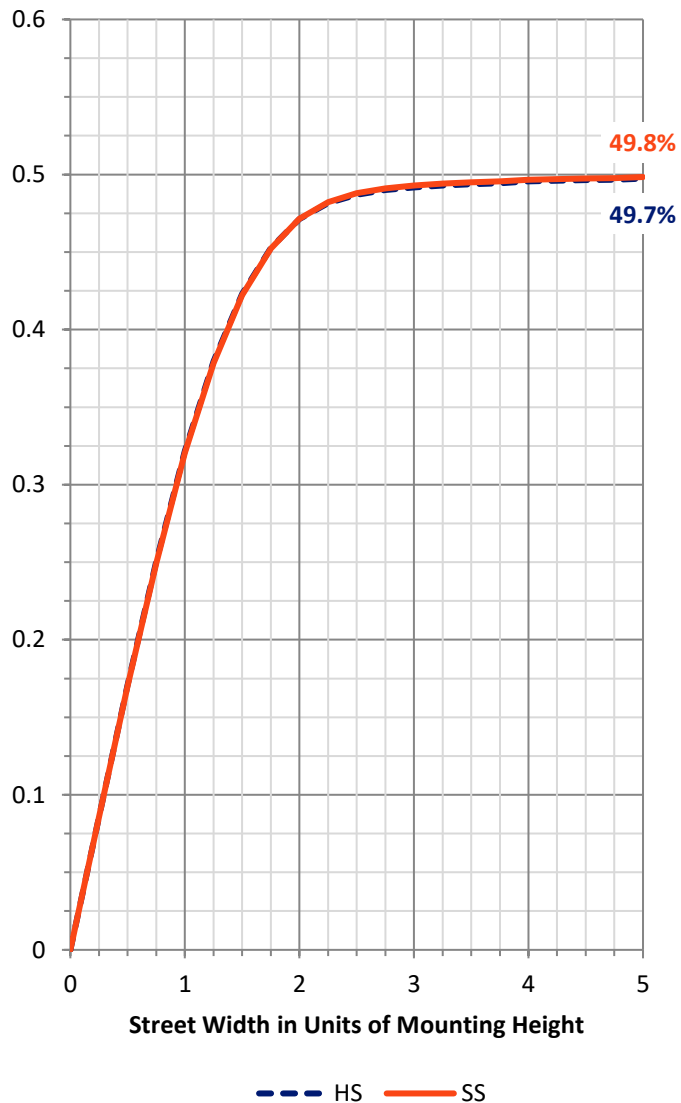
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4157.0	0.0	4157.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4157.0	0.0	4157.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8314.0	0.0	8314.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.6	1.0
10°-20°	283.4	3.4
20°-30°	552.6	6.6
30°-40°	928.3	11.2
40°-50°	1462.6	17.6
50°-60°	1956.0	23.5
60°-70°	1901.5	22.9
70°-80°	1039.4	12.5
80°-90°	105.7	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°	8314.0	100.0
0°-180°	8314.0	100.0

**Coefficient of Utilization**



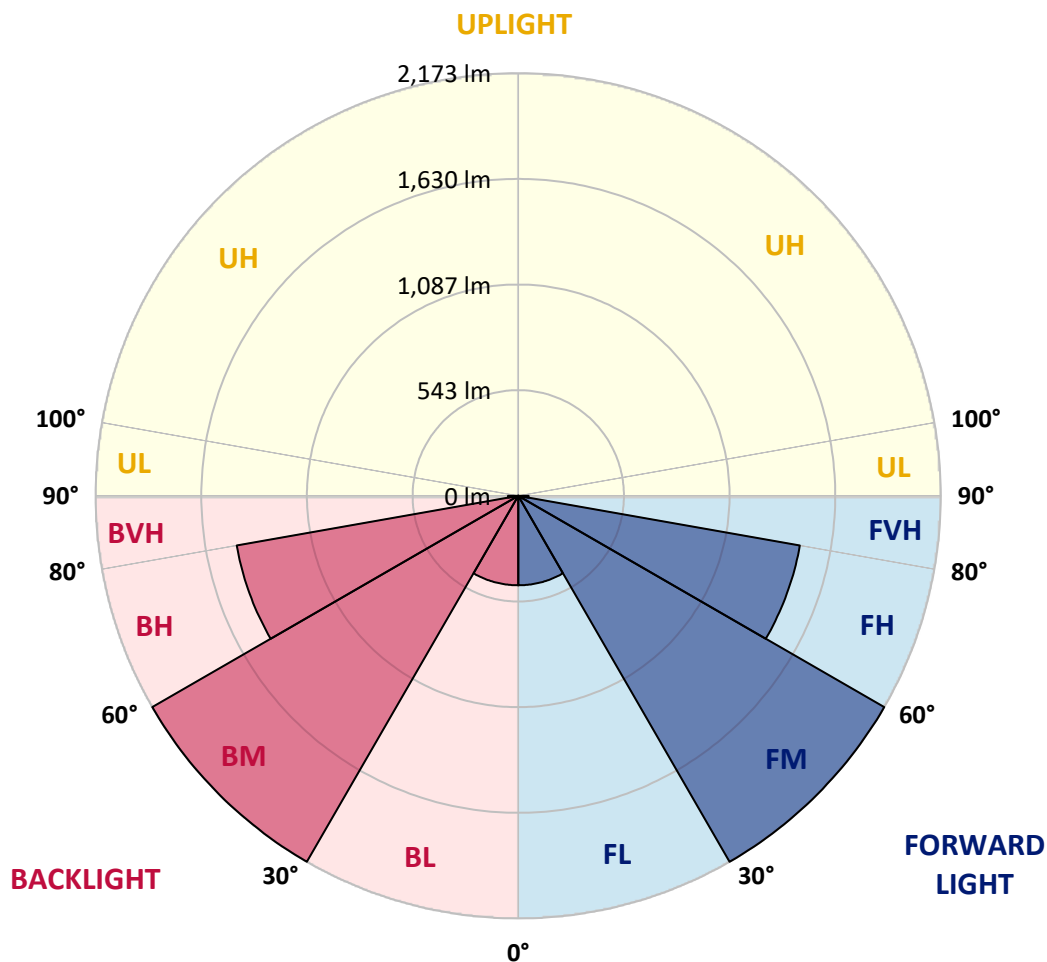
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	460.3	5.5			
FM (30°-60°)	2173.4	26.1			
FH (60°-80°)	1470.4	17.7			G1/1800
FVH (80°-90°)	52.9	0.6			G1/100
BL (0°-30°)	460.3	5.5	B1/500		
BM (30°-60°)	2173.4	26.1	B2/2500		
BH (60°-80°)	1470.4	17.7	B3/2500		G3/2500
BVH (80°-90°)	52.9	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°	864.5	864.5	864.5	864.5	864.5	864.5	864.5	864.5	864.5	864.5	864.5
2.5°	858.3	858.6	860.0	861.7	863.1	866.7	867.5	868.9	869.5	870.9	870.9
5°	850.8	851.4	854.7	859.2	864.2	873.1	879.5	886.8	890.4	894.3	894.0
7.5°	850.0	851.4	856.1	863.3	871.7	886.5	899.9	914.4	924.1	933.0	932.5
10°	858.6	860.8	867.5	878.4	890.9	909.3	929.1	948.6	965.7	979.3	979.9
12.5°	871.7	874.5	885.1	901.5	920.5	944.2	967.6	989.6	1013.0	1033.4	1035.1
15°	889.0	892.6	908.5	933.0	962.0	990.2	1015.3	1037.9	1064.9	1093.1	1095.8
17.5°	914.6	919.7	940.6	973.7	1011.9	1042.9	1069.1	1086.1	1108.7	1137.7	1142.9
20°	953.7	960.1	986.6	1026.1	1072.7	1105.0	1125.1	1128.7	1139.9	1165.8	1171.9
22.5°	1004.4	1010.0	1039.5	1086.6	1138.8	1173.9	1184.5	1170.0	1168.9	1189.8	1195.6
25°	1061.0	1066.0	1100.3	1153.3	1209.3	1248.0	1247.8	1219.6	1200.1	1216.3	1222.4
27.5°	1124.6	1132.4	1165.3	1221.0	1280.9	1319.1	1316.9	1273.4	1236.3	1240.5	1245.8
30°	1197.6	1206.2	1238.3	1294.9	1354.8	1392.2	1389.4	1332.0	1276.2	1265.1	1269.0
32.5°	1288.2	1298.5	1328.9	1384.6	1437.6	1471.3	1463.3	1395.5	1324.1	1299.9	1303.5
35°	1397.2	1403.3	1435.4	1490.3	1533.2	1556.4	1539.4	1469.1	1384.9	1355.7	1355.7
37.5°	1507.6	1512.3	1548.3	1601.5	1643.1	1655.3	1622.2	1549.7	1464.4	1422.8	1423.7
40°	1613.5	1626.3	1666.8	1721.4	1762.4	1765.7	1721.7	1641.7	1552.7	1509.8	1514.8
42.5°	1724.2	1736.7	1785.0	1846.8	1883.1	1888.7	1837.1	1744.8	1652.5	1617.7	1623.3
45°	1822.9	1832.9	1888.7	1960.6	2005.7	2020.2	1959.2	1863.0	1760.4	1726.4	1727.8
47.5°	1891.7	1904.8	1966.2	2050.9	2116.7	2139.0	2079.1	1978.1	1866.6	1825.4	1829.0
50°	1954.2	1961.1	2023.3	2115.9	2199.5	2245.5	2194.2	2091.9	1974.0	1930.2	1934.1
52.5°	1989.0	1997.9	2058.1	2154.6	2253.6	2327.7	2296.5	2194.2	2077.7	2035.0	2039.7
55°	1964.8	1971.4	2043.7	2163.2	2287.0	2378.5	2383.2	2294.3	2179.4	2142.1	2155.4
57.5°	1854.4	1862.7	1950.8	2107.5	2291.2	2412.7	2448.4	2387.1	2274.5	2244.1	2251.9
60°	1681.8	1687.1	1781.1	1957.2	2209.8	2427.0	2490.0	2462.9	2367.6	2337.2	2347.8
62.5°	1374.3	1382.1	1494.5	1730.6	2037.8	2384.9	2530.1	2525.6	2454.3	2426.4	2435.9
65°	939.4	953.1	1077.4	1376.0	1772.7	2256.1	2566.6	2598.7	2530.9	2495.8	2508.4
67.5°	567.3	577.3	667.4	908.5	1356.5	1996.3	2529.0	2681.8	2585.0	2528.4	2538.7
68°	507.1	516.3	591.5	819.9	1254.7	1922.9	2494.7	2691.2	2590.9	2527.9	2537.1
70°	306.4	312.5	363.0	506.8	836.6	1525.4	2260.8	2683.4	2628.2	2535.7	2541.0
72.5°	199.6	201.5	209.9	260.1	427.4	853.0	1696.9	2500.6	2684.3	2581.1	2580.3
75°	165.9	164.8	165.6	171.4	210.7	374.1	991.6	1975.4	2558.8	2509.5	2491.9
77.5°	140.2	139.4	139.1	139.4	141.1	180.6	430.4	1230.5	1958.1	2219.8	2235.4
80°	113.5	112.3	116.0	114.3	109.3	112.3	180.4	511.8	923.0	993.0	930.5
82.5°	82.5	78.3	93.9	89.5	85.3	79.2	99.5	165.3	220.2	151.1	106.2
85°	63.6	59.1	71.4	68.6	58.5	40.4	59.1	80.8	89.2	51.0	40.1
87.5°	25.9	27.3	51.6	40.7	34.3	19.5	24.3	32.3	43.5	21.7	16.7
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)