

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: P386383

Luminaire Tested: GAW-SA2A-735-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386383
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-735-U-RW
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9338.5 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

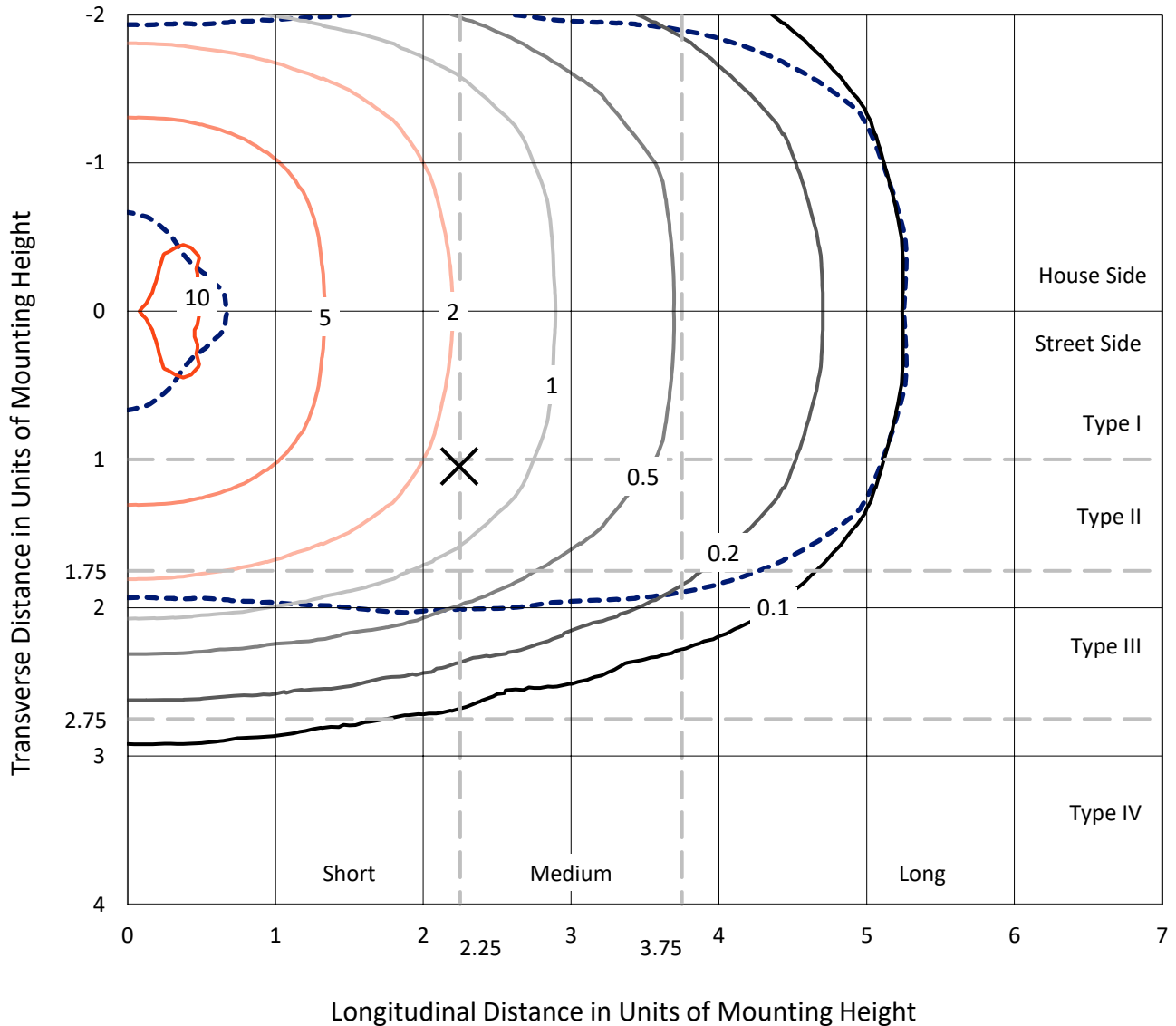
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

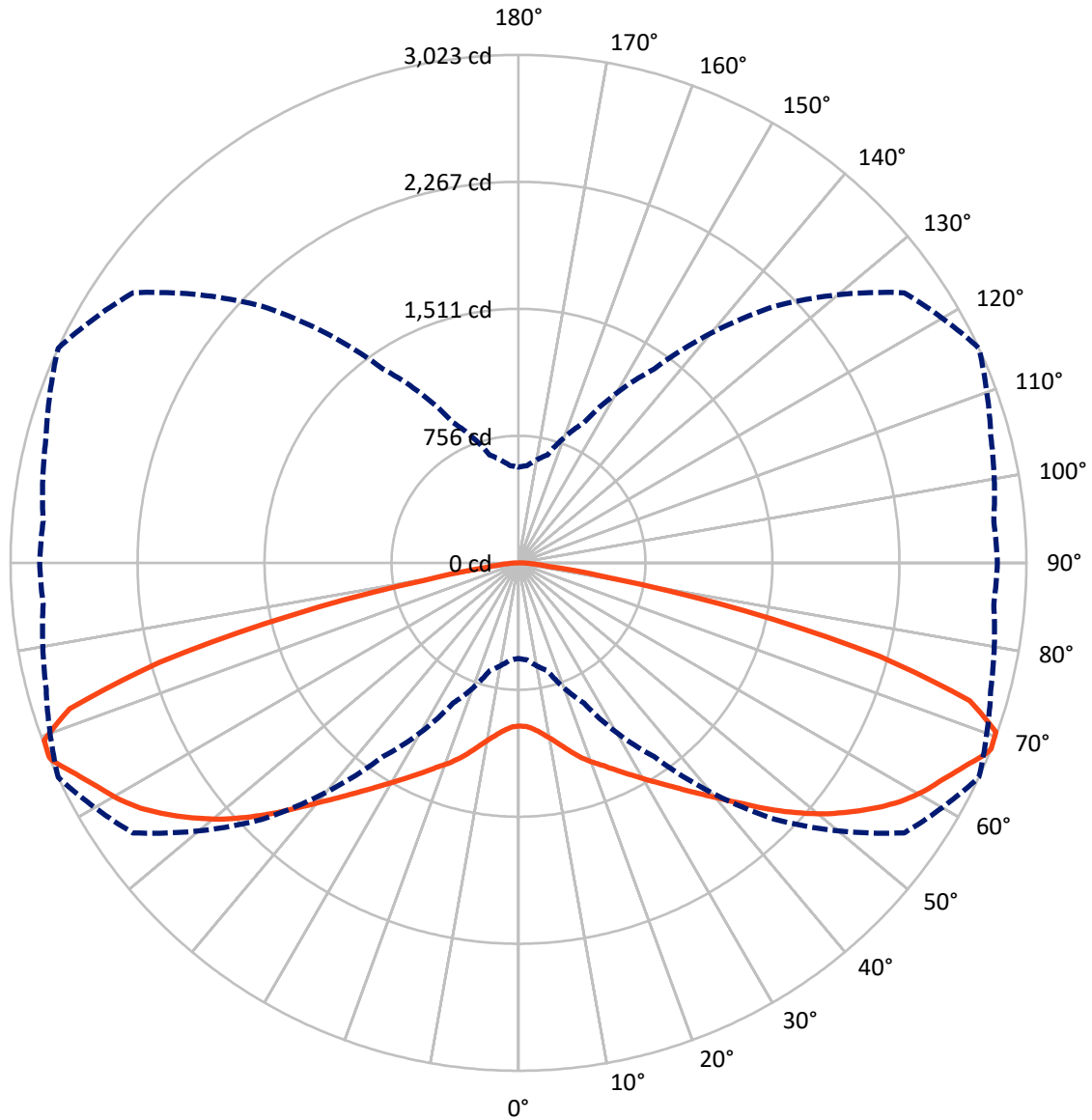
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 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
House Side	Lumens	4669.3	0.0	4669.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4669.3	0.0	4669.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	9338.5	0.0	9338.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	1.0
10°-20°	318.3	3.4
20°-30°	620.6	6.6
30°-40°	1042.6	11.2
40°-50°	1642.8	17.6
50°-60°	2197.0	23.5
60°-70°	2135.8	22.9
70°-80°	1167.5	12.5
80°-90°	118.7	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°	9338.5	100.0
0°-180°	9338.5	100.0

Coefficient of Utilization



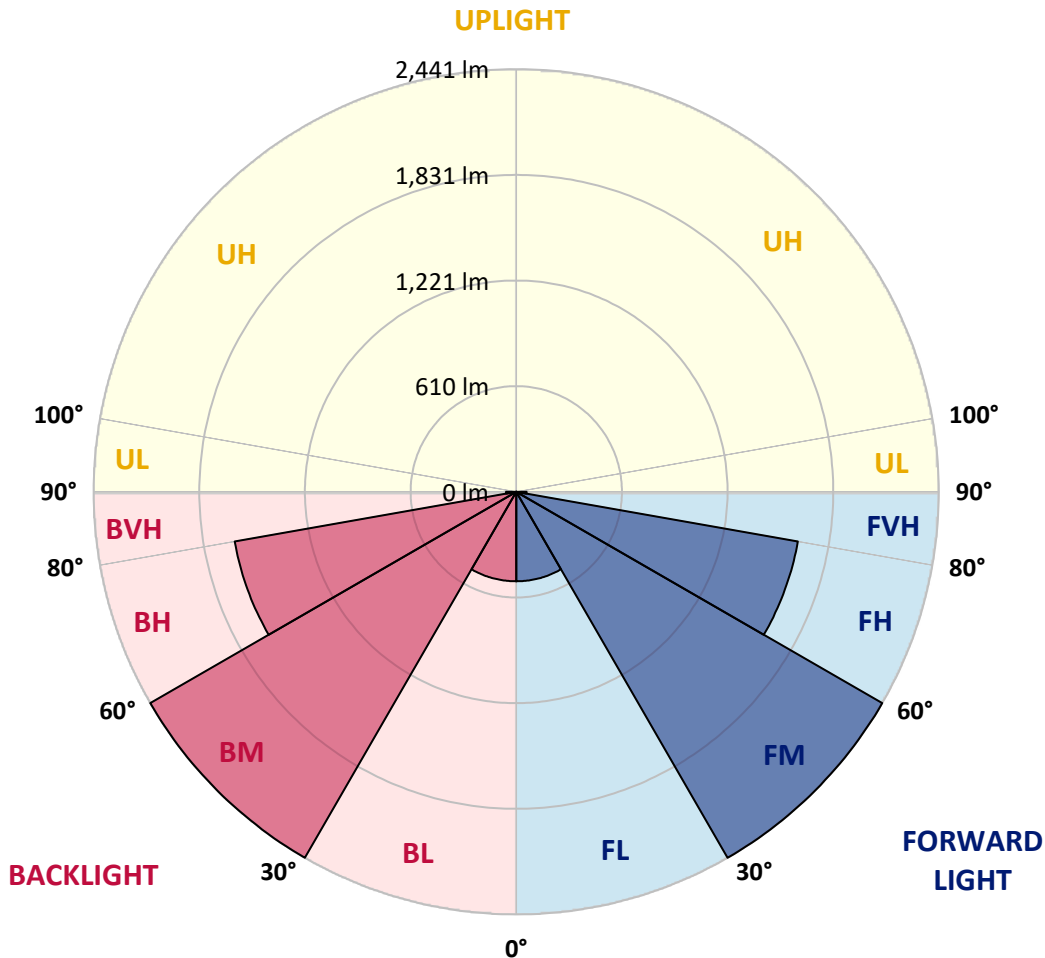
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	517.0	5.5			
FM (30°-60°)	2441.2	26.1			
FH (60°-80°)	1651.6	17.7			G1/1800
FVH (80°-90°)	59.4	0.6			G1/100
BL (0°-30°)	517.0	5.5	B2/1000		
BM (30°-60°)	2441.2	26.1	B2/2500		
BH (60°-80°)	1651.6	17.7	B3/2500		G3/2500
BVH (80°-90°)	59.4	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°	971.0	971.0	971.0	971.0	971.0	971.0	971.0	971.0	971.0	971.0	971.0
2.5°	964.1	964.4	966.0	967.9	969.5	973.5	974.4	976.0	976.6	978.2	978.2
5°	955.6	956.3	960.1	965.0	970.7	980.7	987.9	996.0	1000.1	1004.5	1004.2
7.5°	954.7	956.3	961.6	969.7	979.1	995.8	1010.8	1027.0	1038.0	1048.0	1047.4
10°	964.4	966.9	974.4	986.6	1000.7	1021.4	1043.7	1065.6	1084.6	1100.0	1100.6
12.5°	979.1	982.2	994.2	1012.7	1033.9	1060.6	1086.9	1111.6	1137.9	1160.7	1162.6
15°	998.6	1002.6	1020.5	1048.0	1080.6	1112.2	1140.4	1165.8	1196.1	1227.8	1230.9
17.5°	1027.3	1033.0	1056.4	1093.7	1136.7	1171.4	1200.8	1219.9	1245.3	1277.9	1283.8
20°	1071.2	1078.4	1108.1	1152.6	1204.9	1241.2	1263.8	1267.8	1280.4	1309.5	1316.4
22.5°	1128.2	1134.4	1167.7	1220.6	1279.1	1318.5	1330.5	1314.2	1312.9	1336.4	1343.0
25°	1191.7	1197.4	1235.9	1295.4	1358.3	1401.9	1401.5	1369.9	1347.9	1366.2	1373.0
27.5°	1263.1	1271.9	1308.9	1371.4	1438.8	1481.7	1479.2	1430.3	1388.7	1393.4	1399.3
30°	1345.1	1354.9	1390.9	1454.5	1521.7	1563.7	1560.6	1496.1	1433.4	1420.9	1425.3
32.5°	1446.9	1458.5	1492.6	1555.3	1614.7	1652.7	1643.6	1567.5	1487.3	1460.1	1464.1
35°	1569.4	1576.2	1612.3	1673.9	1722.2	1748.1	1729.0	1650.1	1555.5	1522.7	1522.7
37.5°	1693.4	1698.7	1739.1	1798.8	1845.5	1859.3	1822.0	1740.6	1644.8	1598.2	1599.1
40°	1812.4	1826.7	1872.1	1933.6	1979.6	1983.3	1933.8	1843.9	1744.1	1695.9	1701.5
42.5°	1936.7	1950.7	2004.9	2074.5	2115.1	2121.4	2063.5	1959.9	1856.1	1817.1	1823.3
45°	2047.5	2058.8	2121.4	2202.2	2252.9	2269.2	2200.6	2092.6	1977.3	1939.2	1940.7
47.5°	2124.8	2139.6	2208.4	2303.6	2377.5	2402.6	2335.2	2221.9	2096.6	2050.3	2054.4
50°	2195.0	2202.8	2272.6	2376.6	2470.5	2522.2	2464.6	2349.6	2217.2	2168.0	2172.4
52.5°	2234.1	2244.1	2311.8	2420.1	2531.3	2614.5	2579.5	2464.6	2333.6	2285.7	2291.1
55°	2206.9	2214.3	2295.5	2429.8	2568.9	2671.5	2676.9	2576.9	2448.0	2406.0	2421.0
57.5°	2082.9	2092.3	2191.2	2367.2	2573.6	2710.1	2750.2	2681.2	2554.8	2520.6	2529.4
60°	1889.0	1895.0	2000.5	2198.5	2482.1	2726.0	2796.8	2766.4	2659.3	2625.2	2637.1
62.5°	1543.7	1552.4	1678.6	1943.9	2288.9	2678.8	2841.9	2836.9	2756.7	2725.4	2736.1
65°	1055.2	1070.5	1210.2	1545.6	1991.1	2534.1	2882.9	2918.9	2842.8	2803.3	2817.4
67.5°	637.2	648.5	749.6	1020.5	1523.6	2242.2	2840.6	3012.3	2903.6	2840.0	2851.6
68°	569.6	579.9	664.4	920.9	1409.4	2159.9	2802.1	3022.9	2910.1	2839.4	2849.7
70°	344.1	351.1	407.7	569.3	939.7	1713.4	2539.4	3014.1	2952.1	2848.1	2854.1
72.5°	224.2	226.4	235.8	292.2	480.0	958.2	1905.9	2808.7	3015.1	2899.2	2898.2
75°	186.3	185.1	186.0	192.6	236.7	420.2	1113.7	2218.8	2874.2	2818.7	2799.0
77.5°	157.5	156.6	156.2	156.6	158.5	202.9	483.4	1382.1	2199.4	2493.3	2510.9
80°	127.5	126.2	130.3	128.4	122.8	126.2	202.6	574.9	1036.7	1115.3	1045.2
82.5°	92.7	88.0	105.5	100.5	95.8	89.0	111.8	185.7	247.3	169.7	119.3
85°	71.4	66.4	80.1	77.0	65.8	45.4	66.4	90.8	100.2	57.3	45.1
87.5°	29.1	30.7	58.0	45.7	38.5	21.9	27.2	36.4	48.8	24.4	18.8
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)