

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: P386719

Luminaire Tested: GAW-SA2B-830-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386719
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-SA2B-830-U-RW
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9687 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

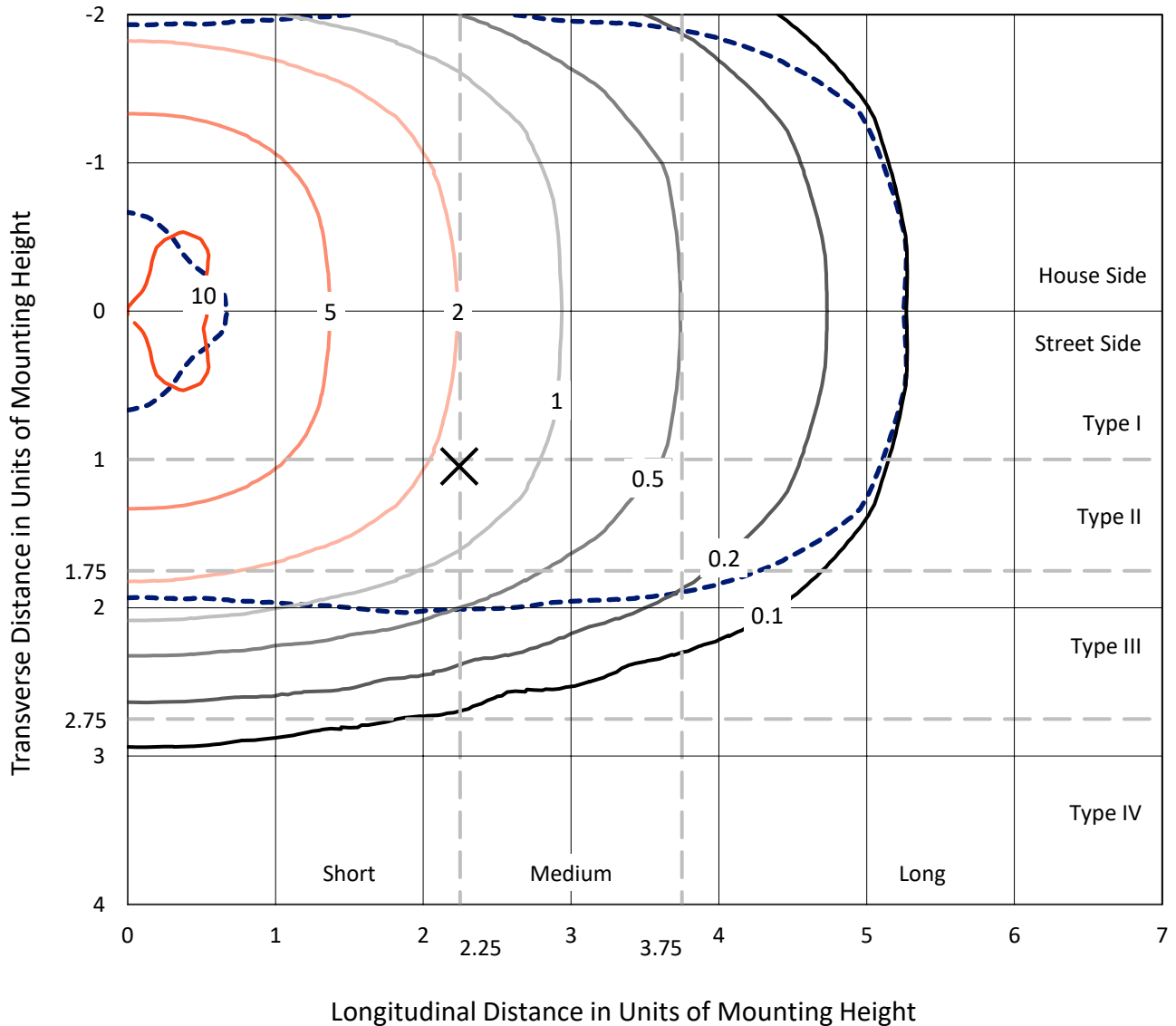
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

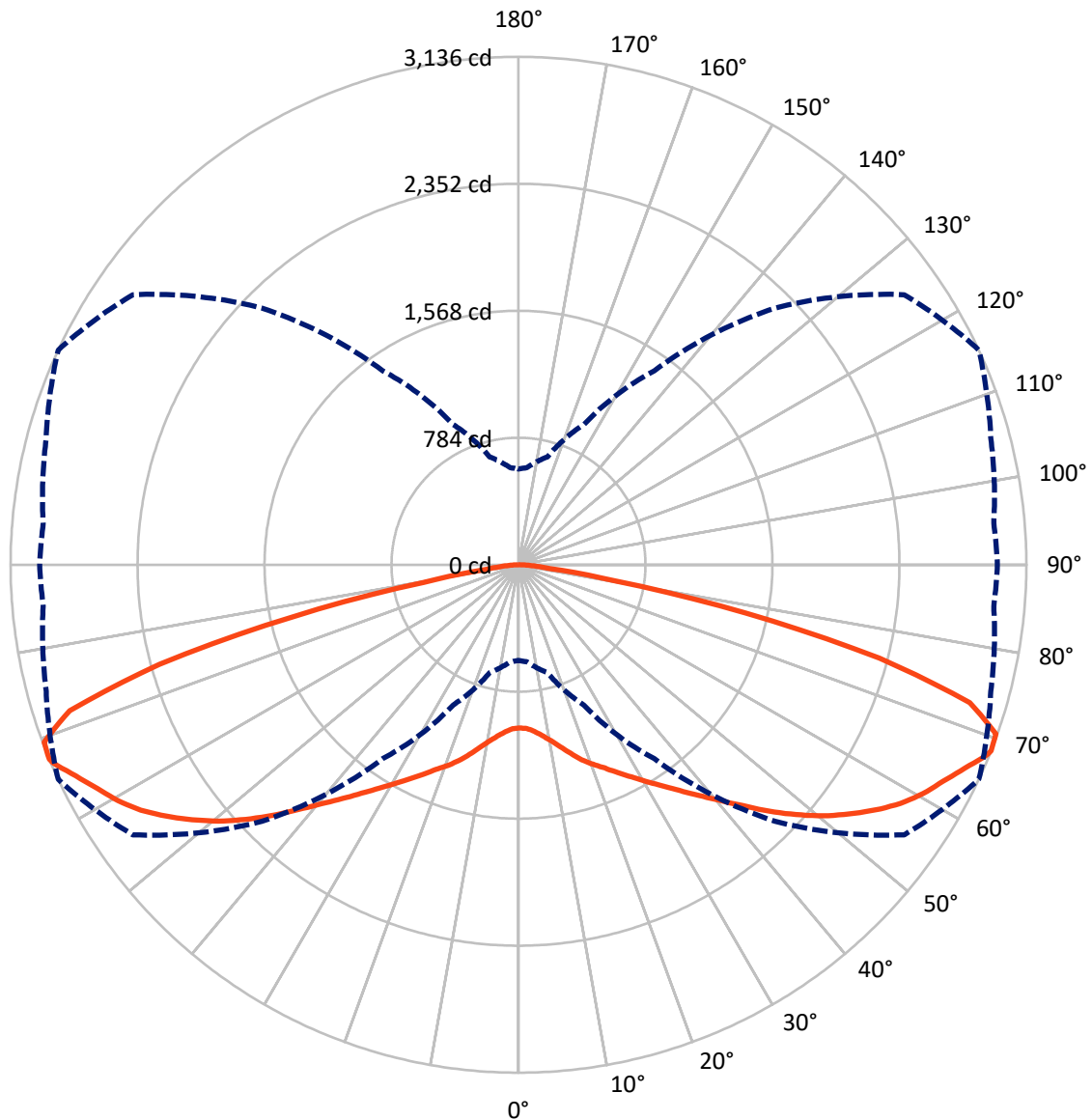
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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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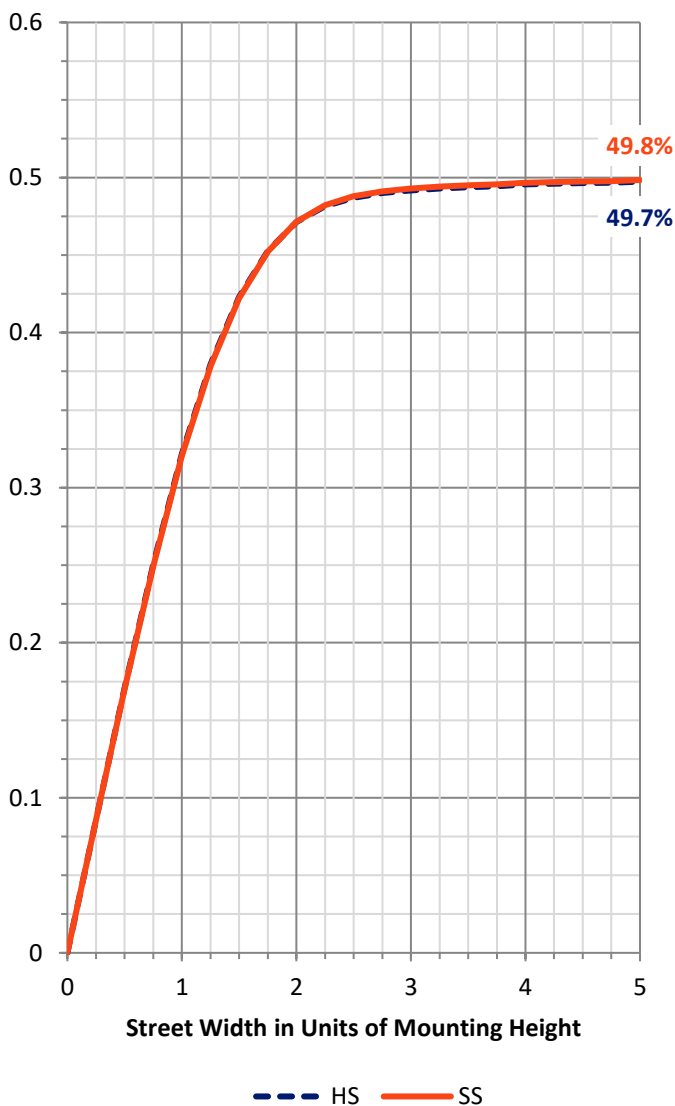
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4843.5	0.0	4843.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4843.5	0.0	4843.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9687.0	0.0	9687.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	1.0
10°-20°	330.2	3.4
20°-30°	643.8	6.6
30°-40°	1081.5	11.2
40°-50°	1704.1	17.6
50°-60°	2279.0	23.5
60°-70°	2215.5	22.9
70°-80°	1211.1	12.5
80°-90°	123.2	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°	9687.0	100.0
0°-180°	9687.0	100.0

Coefficient of Utilization



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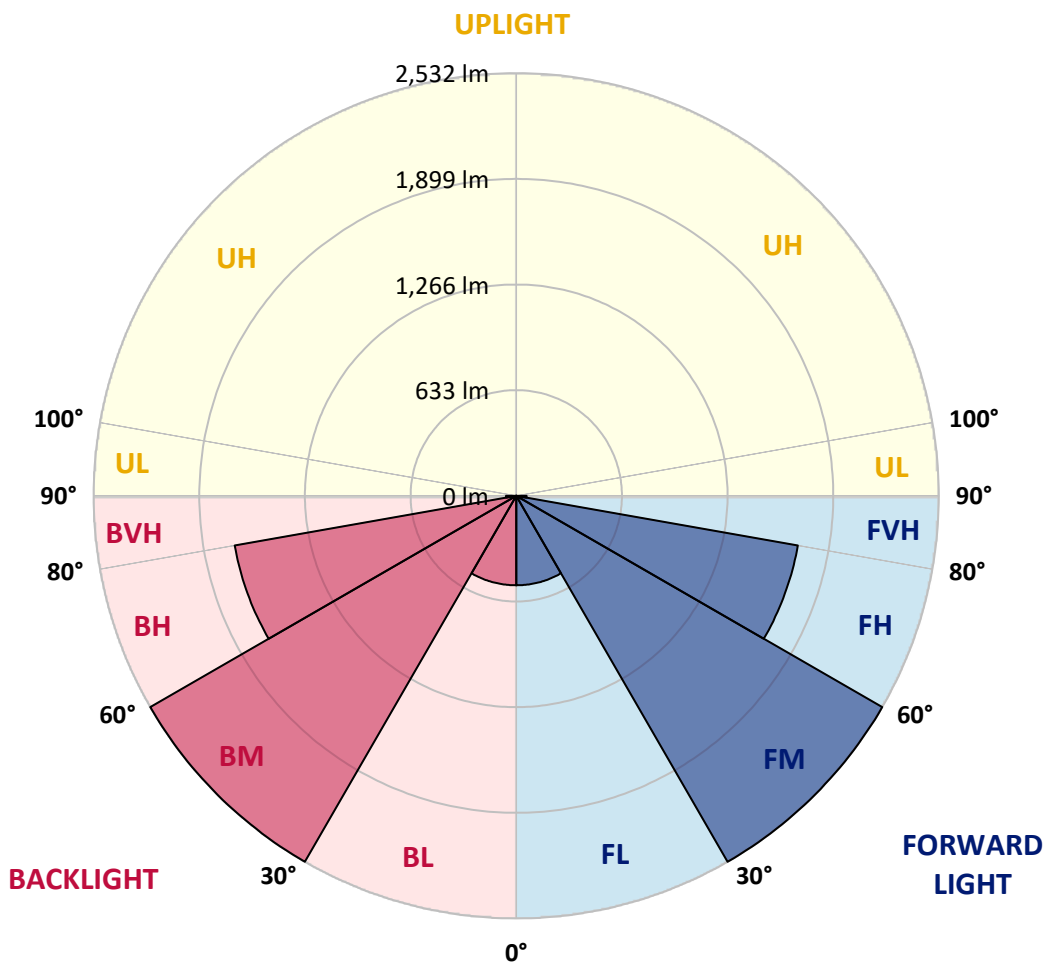
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	536.3	5.5			
FM	(30°-60°)	2532.3	26.1			
FH	(60°-80°)	1713.3	17.7			G1/1800
FVH	(80°-90°)	61.6	0.6			G1/100
BL	(0°-30°)	536.3	5.5	B2/1000		
BM	(30°-60°)	2532.3	26.1	B3/5000		
BH	(60°-80°)	1713.3	17.7	B3/2500		G3/2500
BVH	(80°-90°)	61.6	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°	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2
2.5°	1000.1	1000.4	1002.0	1004.0	1005.6	1009.8	1010.8	1012.4	1013.1	1014.7	1014.7
5°	991.3	992.0	995.9	1001.0	1006.9	1017.3	1024.8	1033.2	1037.4	1042.0	1041.6
7.5°	990.3	992.0	997.5	1005.9	1015.7	1032.9	1048.5	1065.4	1076.7	1087.1	1086.5
10°	1000.4	1003.0	1010.8	1023.5	1038.1	1059.5	1082.6	1105.3	1125.1	1141.0	1141.7
12.5°	1015.7	1018.9	1031.3	1050.4	1072.5	1100.1	1127.4	1153.1	1180.3	1204.1	1206.0
15°	1035.8	1040.0	1058.5	1087.1	1120.9	1153.7	1182.9	1209.2	1240.8	1273.6	1276.8
17.5°	1065.7	1071.5	1095.9	1134.5	1179.0	1215.1	1245.6	1265.4	1291.7	1325.5	1331.7
20°	1111.2	1118.6	1149.5	1195.6	1249.8	1287.5	1310.9	1315.1	1328.1	1358.3	1365.5
22.5°	1170.3	1176.8	1211.2	1266.1	1326.8	1367.8	1380.1	1363.2	1361.9	1386.3	1393.1
25°	1236.2	1242.1	1282.0	1343.7	1409.0	1454.2	1453.8	1421.0	1398.3	1417.1	1424.3
27.5°	1310.3	1319.4	1357.7	1422.6	1492.5	1537.0	1534.4	1483.7	1440.5	1445.4	1451.6
30°	1395.4	1405.4	1442.8	1508.7	1578.6	1622.1	1618.8	1551.9	1487.0	1474.0	1478.5
32.5°	1500.9	1512.9	1548.3	1613.3	1675.0	1714.3	1704.9	1626.0	1542.8	1514.6	1518.8
35°	1627.9	1635.1	1672.4	1736.4	1786.4	1813.4	1793.6	1711.7	1613.6	1579.5	1579.5
37.5°	1756.5	1762.1	1804.0	1866.0	1914.4	1928.7	1890.0	1805.6	1706.2	1657.8	1658.8
40°	1880.0	1894.9	1942.0	2005.7	2053.4	2057.3	2006.0	1912.8	1809.2	1759.1	1765.0
42.5°	2008.9	2023.5	2079.7	2151.8	2194.1	2200.6	2140.5	2033.0	1925.4	1884.8	1891.3
45°	2123.9	2135.6	2200.6	2284.4	2337.0	2353.9	2282.7	2170.7	2051.1	2011.5	2013.1
47.5°	2204.1	2219.4	2290.8	2389.6	2466.2	2492.2	2422.4	2304.8	2174.9	2126.8	2131.0
50°	2276.9	2285.0	2357.4	2465.3	2562.7	2616.3	2556.5	2437.3	2299.9	2248.9	2253.5
52.5°	2317.5	2327.9	2398.0	2510.4	2625.7	2712.1	2675.7	2556.5	2420.8	2371.1	2376.6
55°	2289.2	2297.0	2381.1	2520.5	2664.7	2771.2	2776.8	2673.1	2539.3	2495.8	2511.4
57.5°	2160.6	2170.3	2273.0	2455.5	2669.6	2811.2	2852.8	2781.3	2650.1	2614.7	2623.8
60°	1959.5	1965.7	2075.2	2280.5	2574.7	2827.8	2901.2	2869.7	2758.6	2723.2	2735.5
62.5°	1601.3	1610.4	1741.3	2016.4	2374.3	2778.7	2947.9	2942.7	2859.6	2827.1	2838.1
65°	1094.6	1110.5	1255.4	1603.2	2065.4	2628.6	2990.5	3027.8	2948.9	2908.0	2922.6
67.5°	661.0	672.7	777.6	1058.5	1580.5	2325.9	2946.6	3124.6	3011.9	2946.0	2958.0
68°	590.8	601.5	689.2	955.3	1461.9	2240.5	2906.7	3135.7	3018.7	2945.3	2956.0
70°	357.0	364.1	422.9	590.5	974.7	1777.3	2634.2	3126.6	3062.3	2954.4	2960.6
72.5°	232.6	234.8	244.6	303.0	497.9	993.9	1977.1	2913.5	3127.5	3007.4	3006.4
75°	193.3	192.0	192.9	199.8	245.6	435.9	1155.3	2301.6	2981.4	2923.9	2903.4
77.5°	163.4	162.4	162.1	162.4	164.4	210.5	501.5	1433.7	2281.4	2586.4	2604.6
80°	132.2	130.9	135.1	133.2	127.3	130.9	210.1	596.3	1075.4	1157.0	1084.2
82.5°	96.1	91.3	109.5	104.3	99.4	92.2	116.0	192.6	256.6	176.0	123.8
85°	74.1	68.9	83.2	79.9	68.2	47.1	68.9	94.2	103.9	59.4	46.8
87.5°	30.2	31.8	60.1	47.4	40.0	22.7	28.3	37.7	50.7	25.3	19.5
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)