

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: P386491

Luminaire Tested: GAW-SA2A-830-U-5NQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386491
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-SA2A-830-U-5NQ
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7973 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

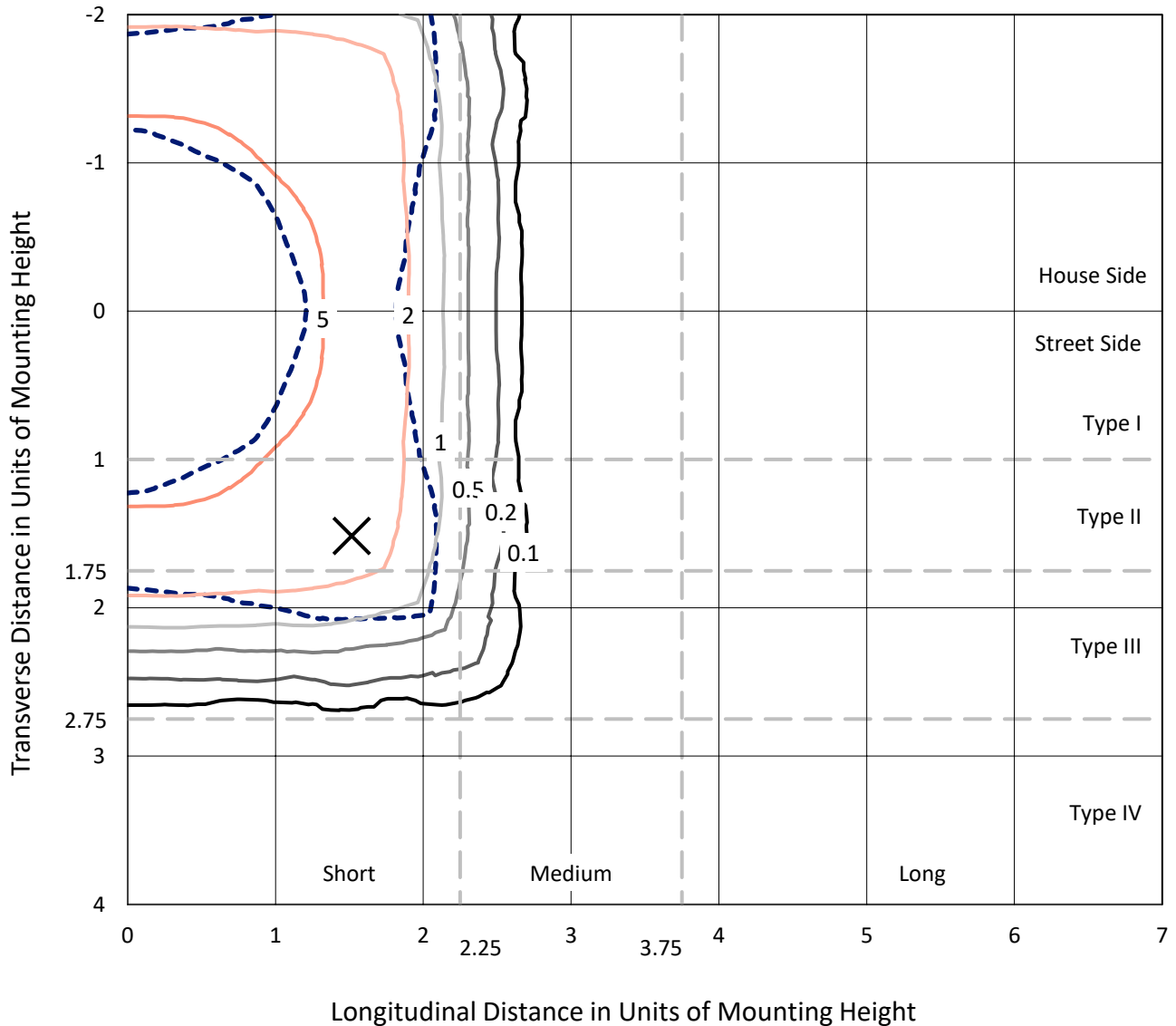
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

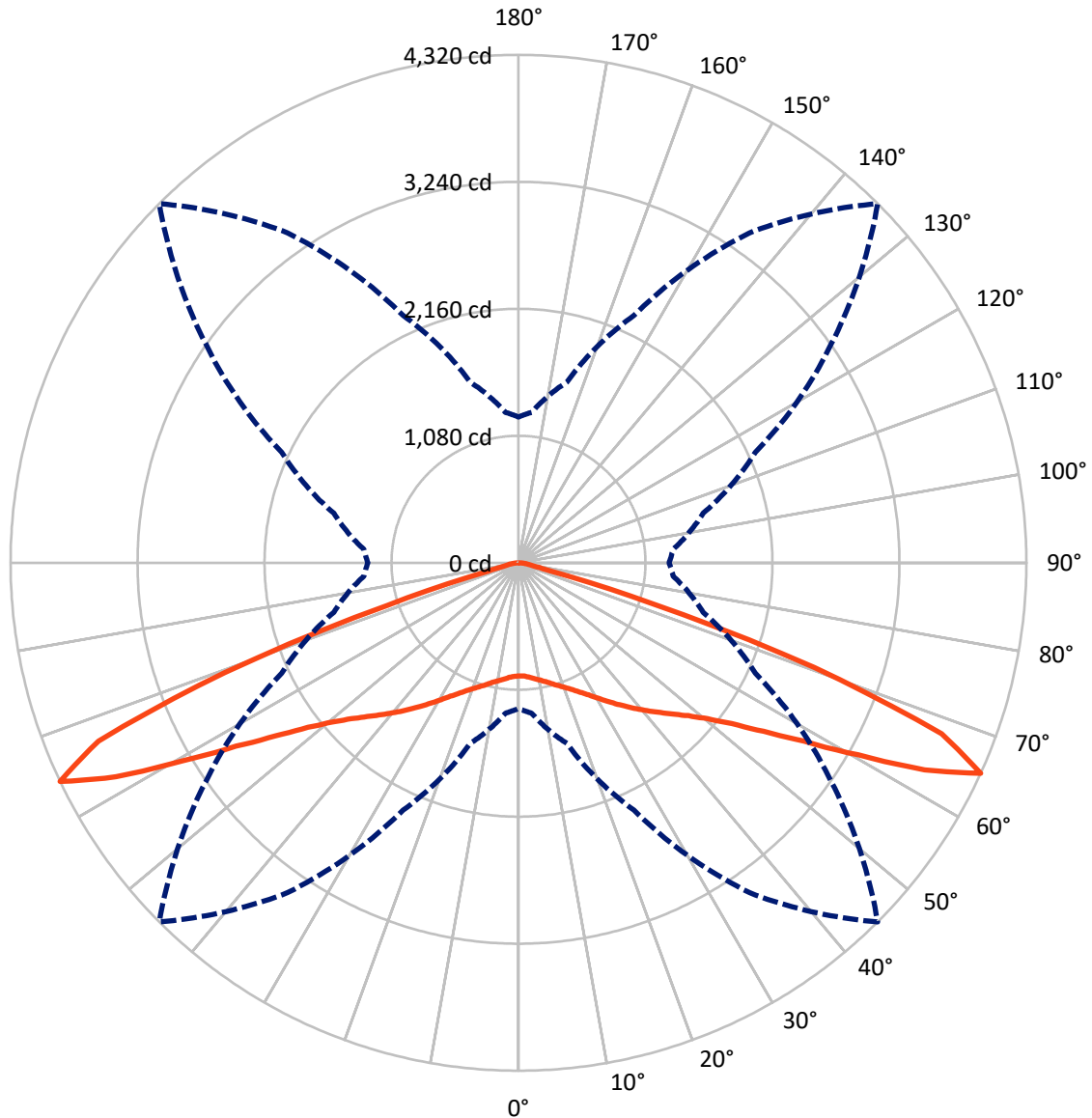
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 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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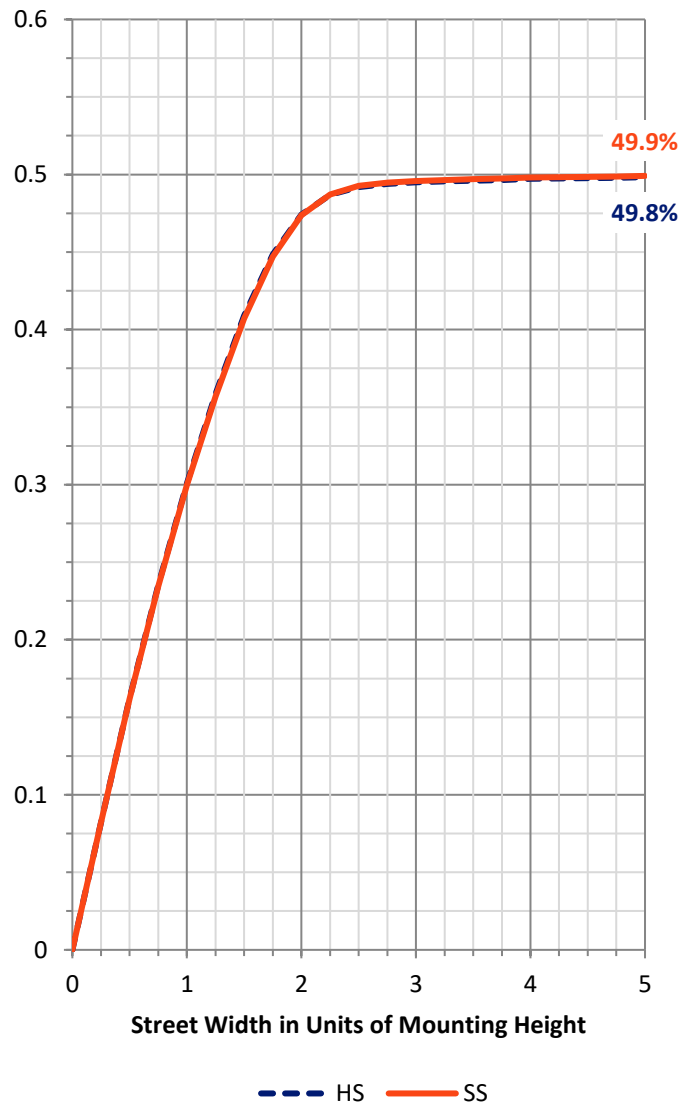
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3986.5	0.0	3986.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3986.5	0.0	3986.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7973.0	0.0	7973.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	1.2
10°-20°	303.6	3.8
20°-30°	569.7	7.1
30°-40°	942.2	11.8
40°-50°	1459.3	18.3
50°-60°	2238.1	28.1
60°-70°	2088.4	26.2
70°-80°	243.1	3.0
80°-90°	34.2	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°	7973.0	100.0
0°-180°	7973.0	100.0

Coefficient of Utilization

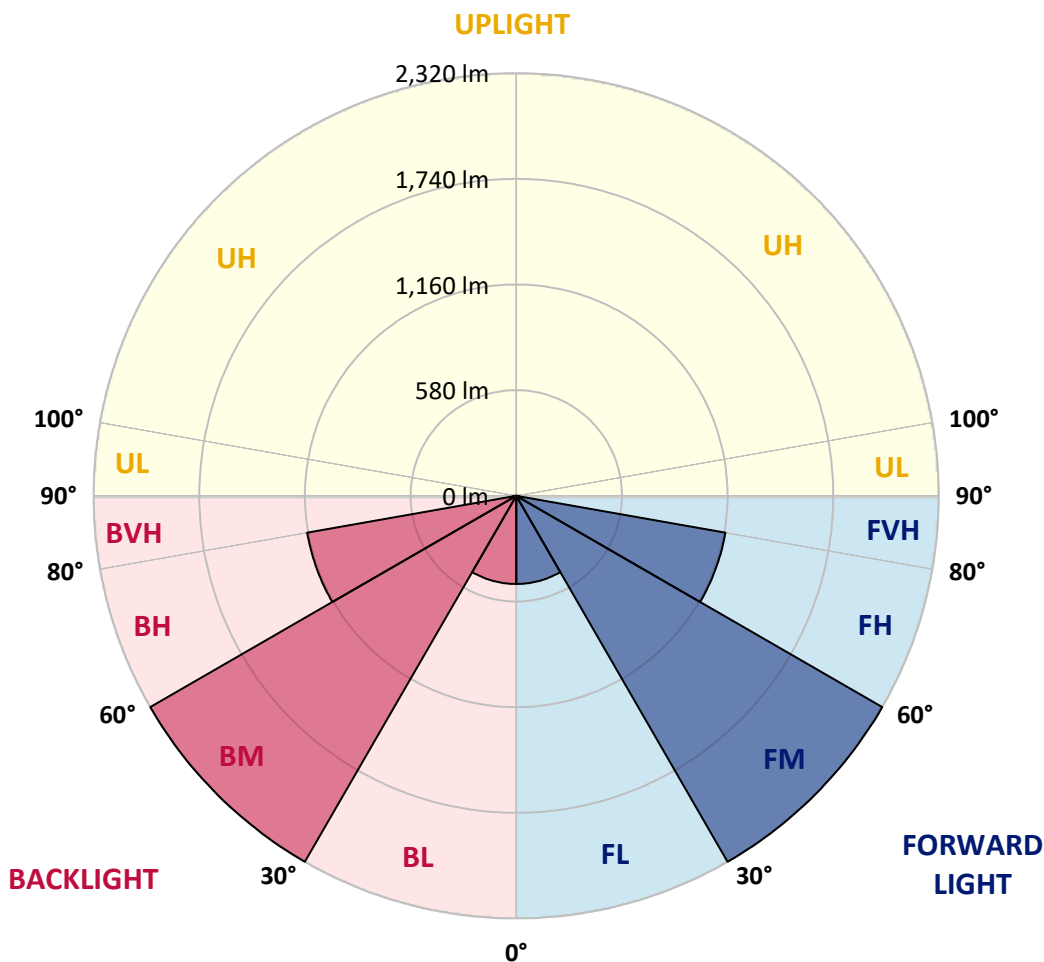


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.9	6.1			
FM (30°-60°)	2319.8	29.1			
FH (60°-80°)	1165.7	14.6			G1/1800
FVH (80°-90°)	17.1	0.2			G1/100
BL (0°-30°)	483.9	6.1	B1/500		
BM (30°-60°)	2319.8	29.1	B2/2500		
BH (60°-80°)	1165.7	14.6	B3/2500		G1/1800
BVH (80°-90°)	17.1	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°	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8	962.8
2.5°	966.0	965.5	966.0	966.3	964.7	965.5	965.2	966.5	967.1	966.5	966.5
5°	977.1	976.3	977.4	978.7	976.6	977.1	976.3	977.9	978.5	977.4	978.2
7.5°	992.5	992.7	993.8	996.2	994.9	995.9	994.3	994.6	994.3	992.7	993.0
10°	1009.2	1009.4	1011.3	1014.4	1015.0	1015.0	1013.9	1013.1	1012.1	1011.0	1011.3
12.5°	1029.3	1030.6	1031.9	1035.9	1035.9	1038.0	1037.5	1035.4	1033.5	1031.9	1031.9
15°	1056.5	1056.3	1057.9	1061.8	1063.7	1067.1	1067.1	1064.2	1061.8	1060.2	1059.7
17.5°	1085.1	1085.9	1087.0	1091.7	1094.6	1098.6	1099.1	1096.8	1095.2	1093.1	1091.7
20°	1118.5	1119.8	1124.0	1125.9	1128.5	1132.2	1133.5	1133.0	1131.4	1130.4	1130.6
22.5°	1157.4	1160.8	1163.5	1166.1	1169.3	1171.9	1173.2	1175.1	1173.5	1172.7	1172.2
25°	1204.5	1206.9	1212.2	1216.9	1219.0	1219.8	1221.4	1224.1	1223.8	1221.9	1221.9
27.5°	1257.9	1262.4	1269.1	1275.9	1275.9	1273.3	1278.6	1283.1	1281.5	1279.1	1275.9
30°	1322.8	1327.0	1334.7	1344.2	1339.5	1337.6	1344.7	1353.0	1350.6	1346.6	1346.1
32.5°	1392.7	1396.6	1406.7	1417.0	1410.9	1408.3	1415.9	1427.9	1423.6	1415.7	1410.9
35°	1468.3	1472.3	1486.6	1499.0	1488.7	1484.2	1490.6	1503.5	1496.1	1481.3	1477.6
37.5°	1550.7	1552.8	1571.3	1584.0	1576.9	1564.9	1572.9	1582.4	1576.1	1558.1	1550.9
40°	1636.1	1643.8	1665.3	1680.1	1667.6	1648.8	1662.1	1675.3	1665.8	1642.8	1630.6
42.5°	1735.9	1741.7	1770.3	1783.6	1763.4	1737.0	1755.0	1773.0	1763.4	1741.2	1730.6
45°	1839.7	1848.7	1882.8	1896.0	1866.9	1833.3	1855.3	1886.8	1886.0	1854.0	1842.8
47.5°	1952.7	1961.7	2002.4	2019.9	1988.4	1943.4	1974.4	2018.8	2015.7	1980.5	1971.5
50°	2083.2	2092.7	2143.5	2165.5	2136.1	2083.7	2130.3	2169.4	2163.6	2120.2	2121.0
52.5°	2247.0	2246.5	2309.7	2347.8	2317.6	2271.3	2314.2	2352.3	2328.2	2268.2	2266.3
55°	2390.4	2399.2	2477.5	2549.8	2547.9	2530.2	2547.4	2549.0	2480.1	2400.2	2390.4
57.5°	2484.6	2501.3	2611.7	2742.4	2840.4	2863.9	2830.6	2729.5	2568.3	2440.4	2424.8
60°	2426.7	2452.1	2625.4	2892.0	3180.4	3318.9	3130.7	2817.1	2499.7	2321.6	2300.4
62.5°	2035.5	2078.4	2332.2	2819.7	3473.2	3877.8	3348.2	2676.5	2227.1	1981.8	1945.5
65°	1239.7	1284.9	1590.9	2320.8	3425.8	4320.3	3249.0	2221.6	1625.6	1320.4	1281.2
67.5°	413.1	426.4	606.6	1282.8	2692.4	3881.8	2696.9	1329.9	707.4	469.0	455.2
70°	161.7	163.0	192.4	371.9	1271.4	2666.2	1403.0	378.5	201.1	159.1	162.5
72.5°	118.8	119.4	127.6	155.4	331.4	1174.6	343.3	156.2	124.1	111.4	111.4
75°	95.5	95.5	101.4	113.3	148.5	269.4	150.6	112.0	97.1	88.9	87.9
77.5°	75.4	77.0	81.5	89.2	100.6	129.7	104.3	88.7	78.3	70.7	69.1
80°	56.1	57.7	65.1	68.8	72.3	90.0	77.0	69.3	61.9	52.9	51.3
82.5°	36.8	38.4	47.6	49.8	49.0	58.8	51.9	51.1	45.5	34.1	32.6
85°	24.1	24.6	31.8	33.1	30.4	26.7	33.1	34.9	31.8	22.2	21.4
87.5°	11.4	11.4	16.1	15.1	13.8	11.1	15.1	17.7	18.0	10.9	10.6
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)