

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: P386490

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2A-830-U-5MQ
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8118 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

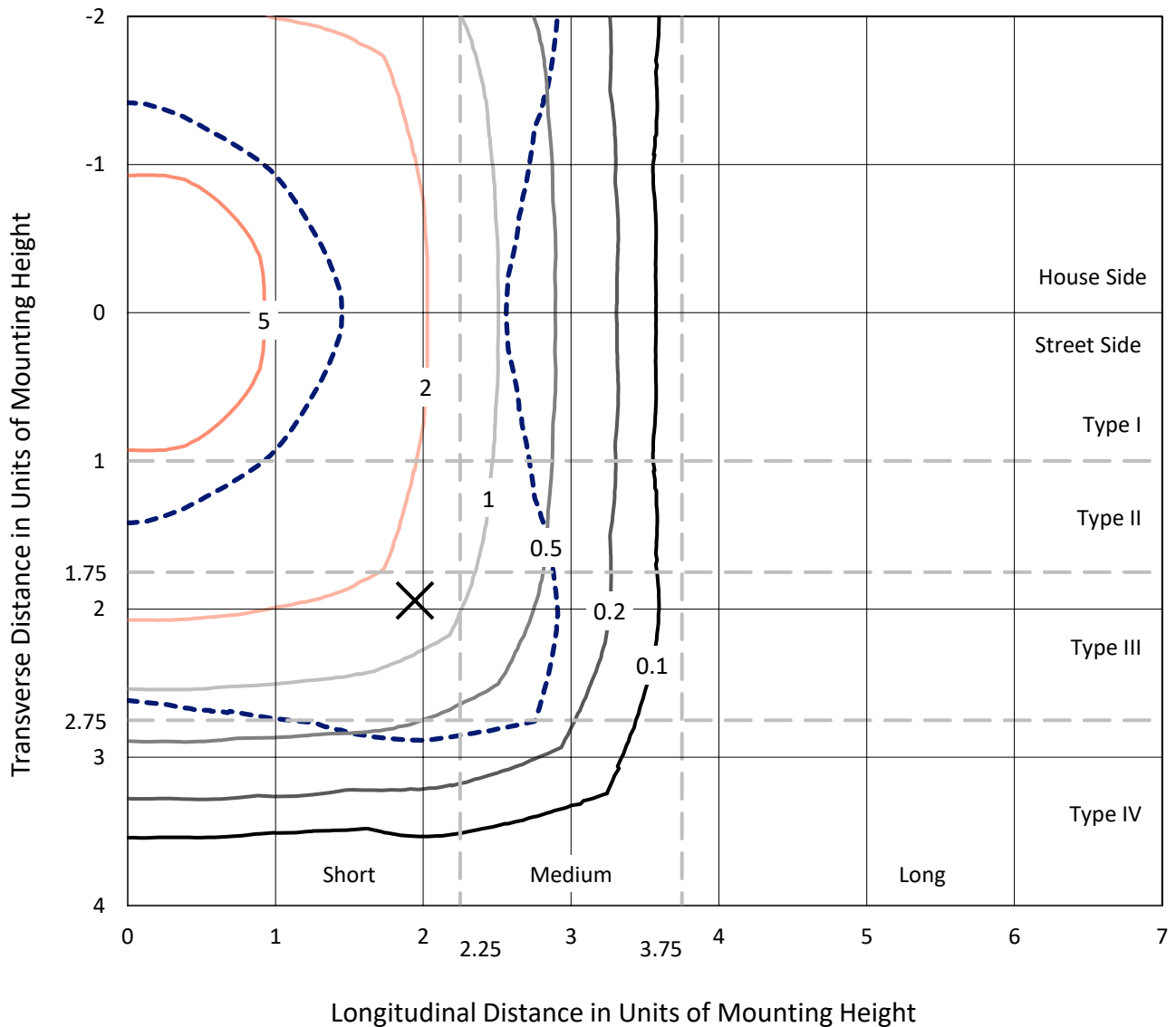
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

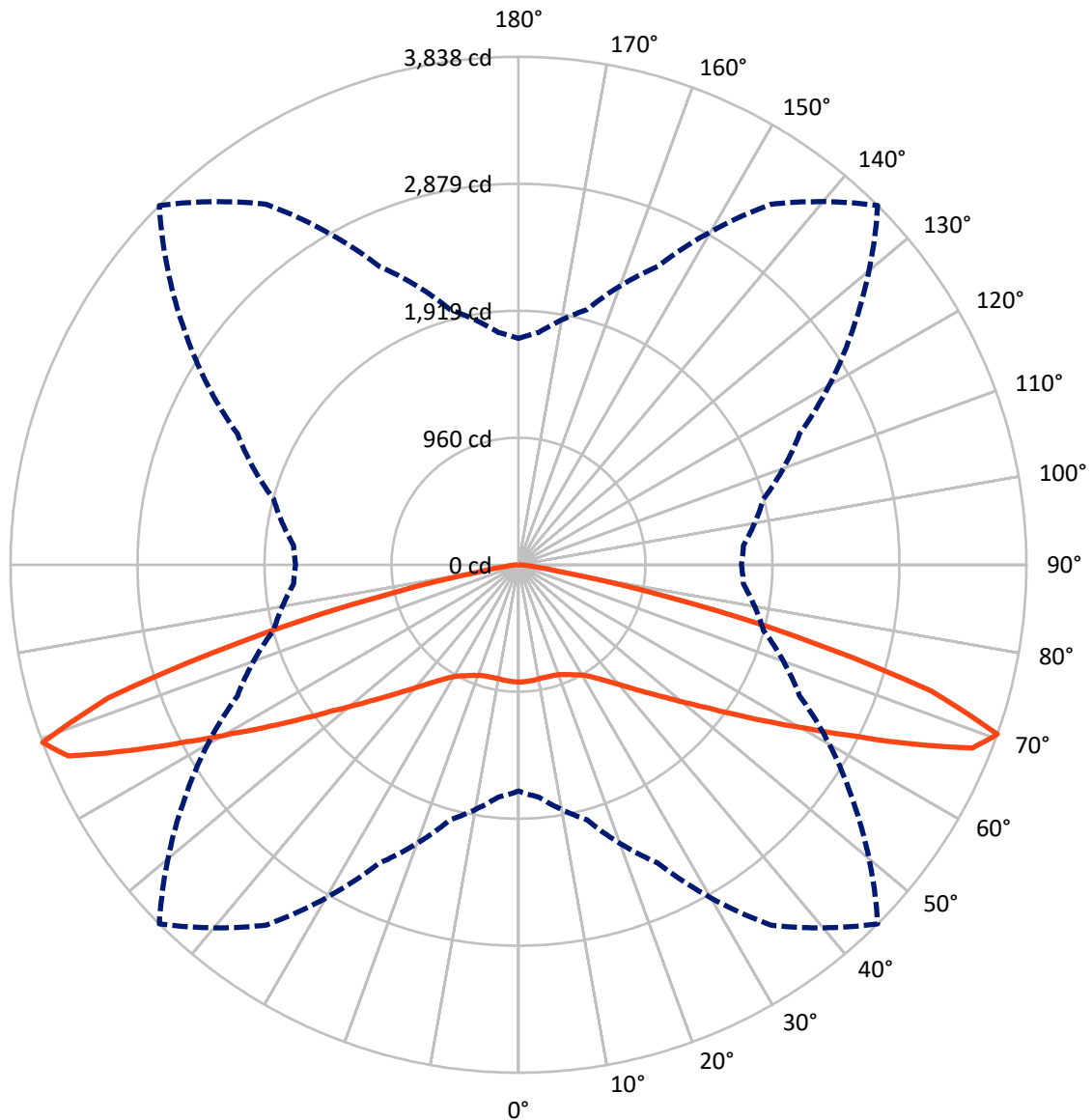
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4059.0	0.0	4059.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4059.0	0.0	4059.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8118.0	0.0	8118.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	1.0
10°-20°	246.5	3.0
20°-30°	419.7	5.2
30°-40°	665.6	8.2
40°-50°	1083.1	13.3
50°-60°	1785.8	22.0
60°-70°	2621.6	32.3
70°-80°	1159.3	14.3
80°-90°	52.5	0.6
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°	8118.0	100.0
0°-180°	8118.0	100.0

Coefficient of Utilization



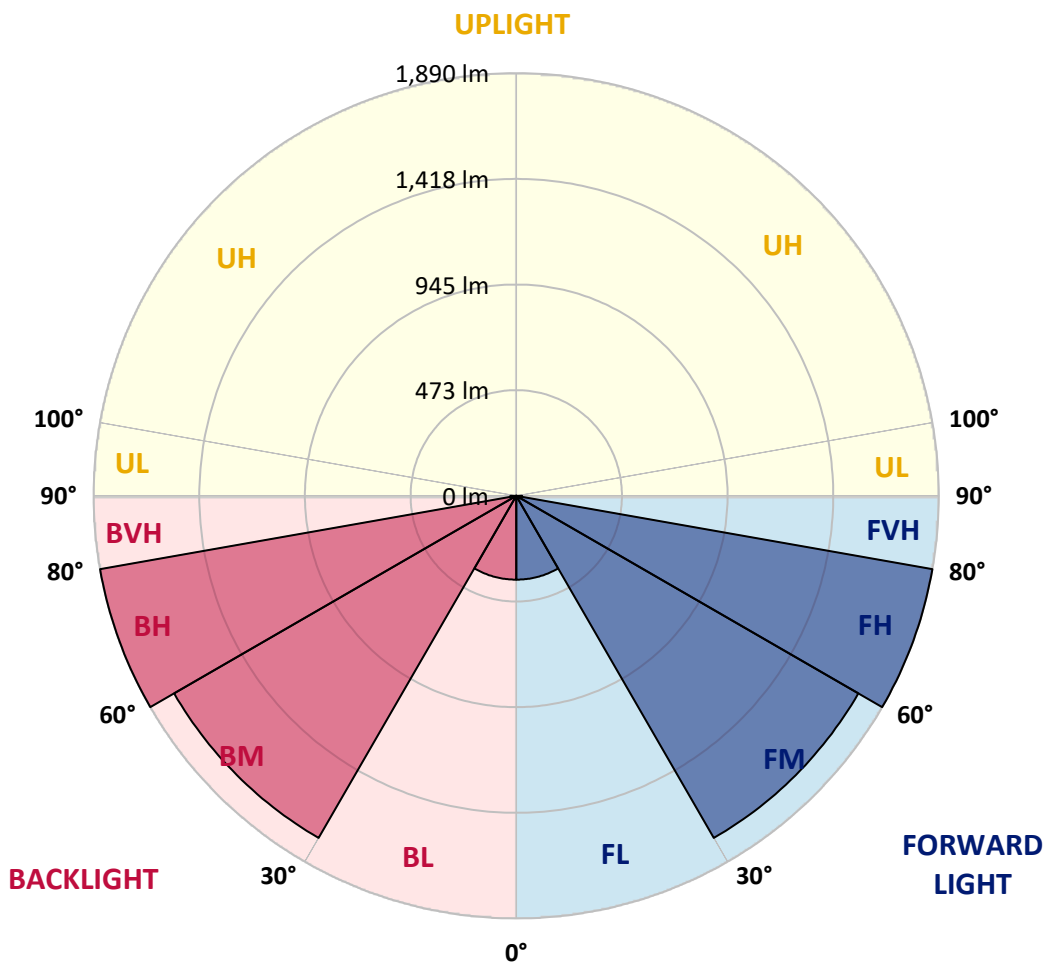
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	375.1	4.6			
FM (30°-60°)	1767.2	21.8			
FH (60°-80°)	1890.4	23.3			G2/5000
FVH (80°-90°)	26.2	0.3			G1/100
BL (0°-30°)	375.1	4.6	B1/500		
BM (30°-60°)	1767.2	21.8	B2/2500		
BH (60°-80°)	1890.4	23.3	B3/2500		G2/5000
BVH (80°-90°)	26.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	886.6	886.6	886.6	886.6	886.6	886.6	886.6	886.6	886.6	886.6	886.6
2.5°	885.3	884.5	886.3	886.1	884.5	884.7	884.7	885.5	885.5	885.0	885.0
5°	882.0	881.5	883.7	883.7	882.0	882.6	883.1	883.9	883.7	883.1	882.9
7.5°	878.0	877.7	879.9	879.9	878.8	879.4	878.8	879.1	878.6	878.0	877.2
10°	871.3	871.8	873.7	874.3	874.3	874.5	874.0	872.6	871.8	871.0	870.2
12.5°	865.1	864.8	867.5	868.9	871.0	873.4	871.8	868.1	866.5	864.8	864.3
15°	861.1	861.4	864.0	866.5	870.2	875.3	873.4	867.5	864.3	862.4	861.9
17.5°	860.3	860.8	864.3	868.6	872.6	878.3	877.2	871.3	865.9	862.4	861.6
20°	862.2	862.4	867.8	874.0	881.0	886.3	883.9	877.5	870.2	864.8	863.5
22.5°	865.7	866.7	873.4	883.1	893.9	901.1	898.2	887.1	875.9	869.1	867.3
25°	876.7	876.9	886.1	899.2	912.1	920.5	917.0	901.4	886.9	879.4	876.9
27.5°	899.5	900.3	909.4	924.8	935.8	941.2	939.0	926.4	914.0	906.0	906.8
30°	932.6	933.6	943.8	960.8	967.5	968.8	968.3	962.4	951.1	940.3	941.2
32.5°	972.9	973.4	987.1	1002.4	1007.8	1008.9	1007.8	1002.4	989.0	974.5	975.3
35°	1024.7	1026.3	1039.5	1054.3	1058.6	1060.7	1058.8	1051.8	1037.9	1023.6	1023.1
37.5°	1088.7	1088.9	1102.6	1117.9	1123.3	1123.8	1121.7	1117.1	1099.7	1086.8	1086.0
40°	1162.8	1163.9	1180.0	1196.4	1198.5	1196.1	1199.1	1196.4	1178.4	1163.6	1166.0
42.5°	1253.1	1255.5	1274.8	1291.0	1284.8	1283.4	1285.3	1286.1	1271.6	1253.6	1252.0
45°	1358.1	1360.3	1384.5	1397.4	1393.3	1384.5	1388.2	1394.7	1374.5	1352.2	1354.4
47.5°	1478.0	1483.3	1509.1	1521.2	1511.3	1499.2	1506.4	1516.1	1492.5	1464.8	1463.4
50°	1611.2	1617.9	1652.3	1669.2	1659.3	1637.0	1649.1	1655.5	1621.4	1585.7	1582.7
52.5°	1753.3	1760.1	1803.3	1838.2	1831.8	1797.1	1814.1	1807.3	1768.1	1720.0	1716.3
55°	1914.3	1917.0	1963.7	2020.1	2026.6	2001.1	2000.0	1989.0	1930.9	1875.3	1872.6
57.5°	2079.8	2081.7	2142.1	2208.7	2239.1	2239.1	2209.0	2185.6	2108.5	2044.0	2037.3
60°	2258.4	2265.2	2332.1	2422.6	2493.5	2514.5	2461.3	2397.6	2313.8	2235.1	2227.3
62.5°	2417.5	2425.3	2527.7	2662.5	2776.4	2852.7	2722.7	2619.0	2466.4	2340.1	2325.3
65°	2437.6	2458.6	2607.7	2851.9	3106.9	3259.2	3009.9	2754.4	2476.3	2300.9	2285.8
67.5°	2226.2	2261.7	2463.2	2843.3	3370.2	3697.2	3193.4	2677.0	2297.9	2104.0	2087.3
70°	1710.6	1762.2	1994.6	2487.1	3324.8	3838.2	3078.4	2343.6	1915.9	1707.1	1683.8
72.5°	938.5	959.7	1168.7	1703.1	2665.5	3261.7	2567.7	1732.9	1270.5	1033.8	994.6
75°	297.7	305.2	411.6	696.9	1507.8	2160.4	1631.1	850.6	468.3	345.2	341.2
77.5°	132.2	133.0	148.8	203.4	519.3	1094.6	623.9	231.6	159.6	139.4	144.0
80°	83.6	83.6	92.2	100.8	141.3	317.8	168.7	110.2	94.0	87.3	89.2
82.5°	40.0	44.3	59.9	64.5	77.6	106.9	86.5	72.0	62.9	46.7	43.5
85°	26.3	22.0	37.9	42.7	45.1	51.3	50.2	47.6	41.1	23.4	26.1
87.5°	11.8	11.3	19.6	18.0	16.9	12.9	19.3	23.9	23.1	11.6	11.6
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)