

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: P386406

Luminaire Tested: GAW-SA2A-750-U-5MQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386406
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-750-U-5MQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 5000K, 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: 10217 lumens
Efficiency: N/A
Efficacy: 154.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

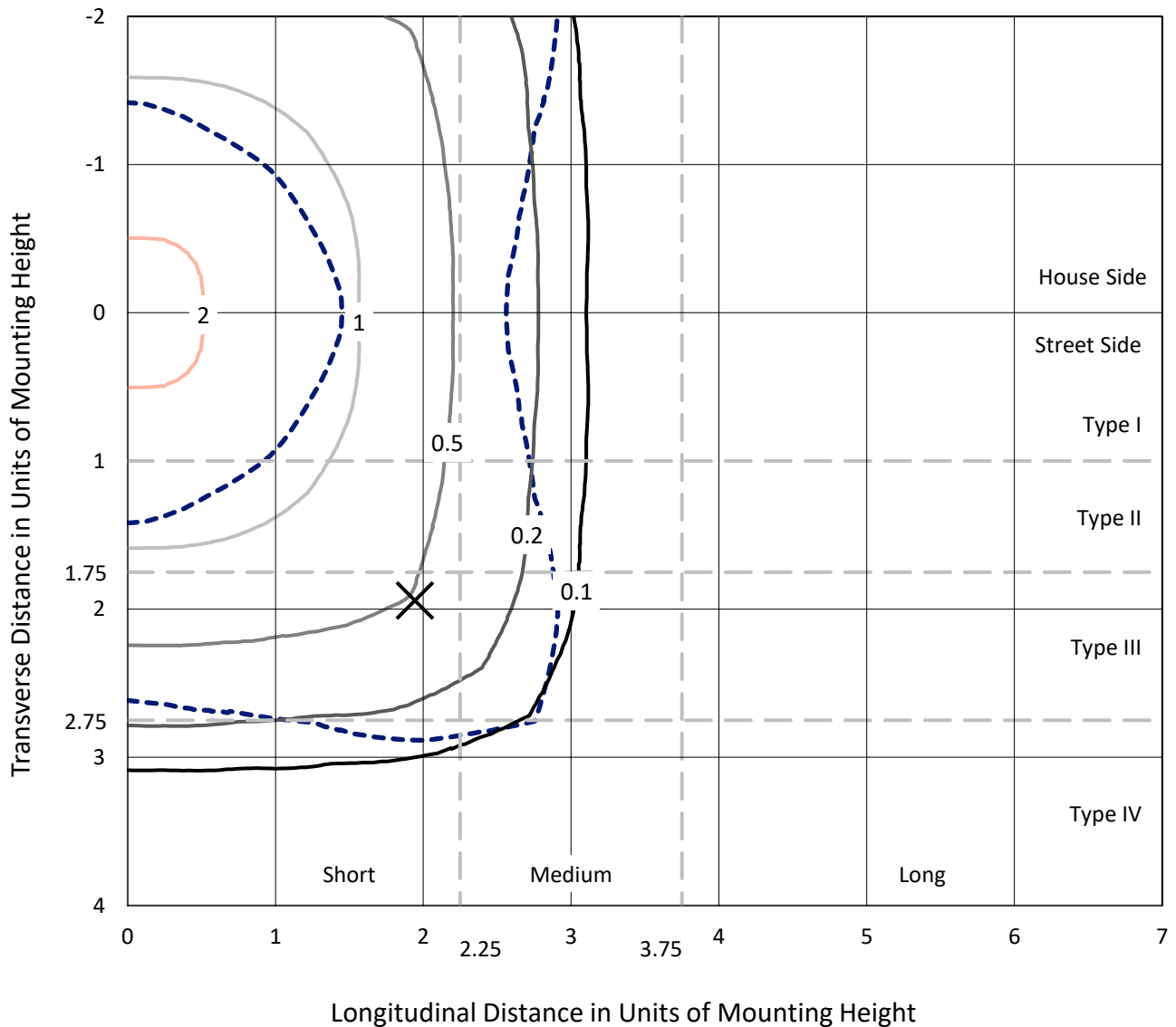
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

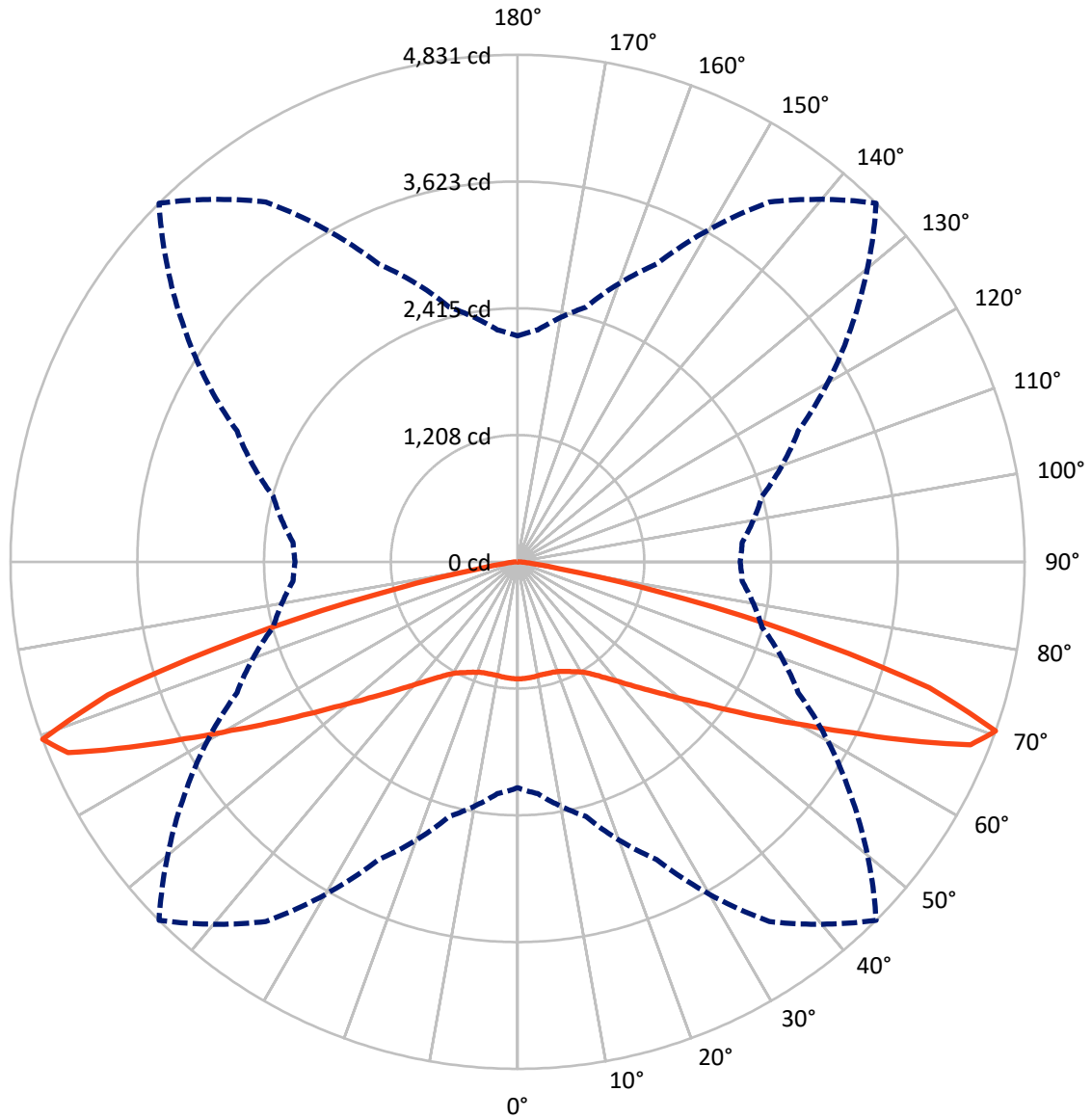
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.8 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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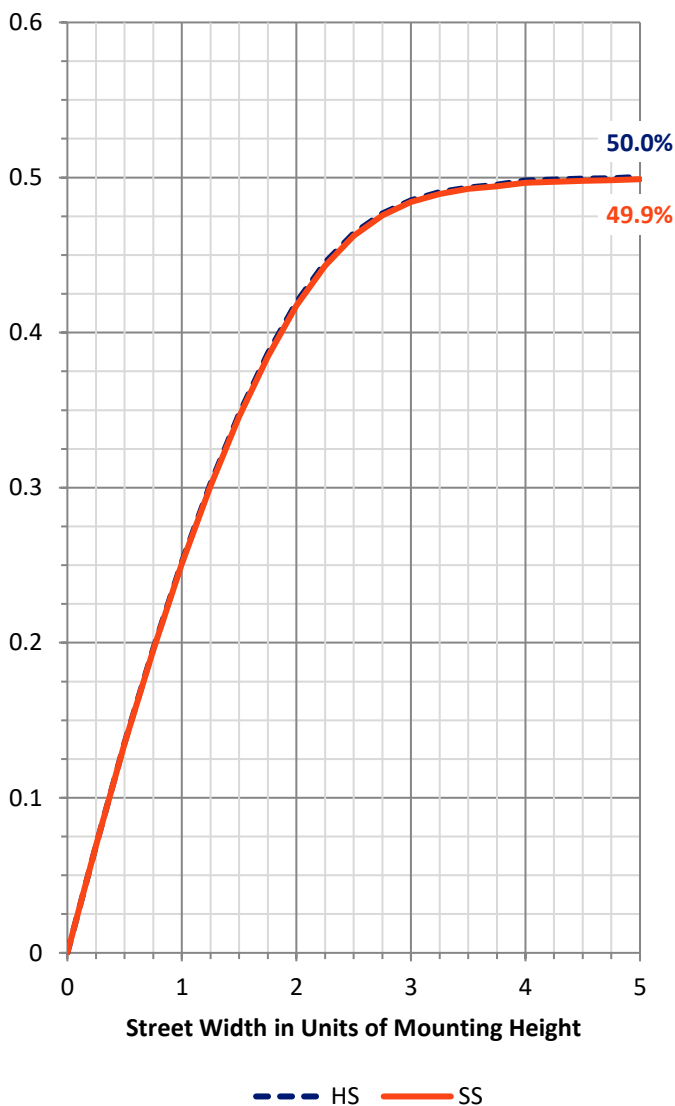
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5108.5	0.0	5108.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5108.5	0.0	5108.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10217.0	0.0	10217.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	1.0
10°-20°	310.3	3.0
20°-30°	528.2	5.2
30°-40°	837.7	8.2
40°-50°	1363.1	13.3
50°-60°	2247.6	22.0
60°-70°	3299.5	32.3
70°-80°	1459.0	14.3
80°-90°	66.1	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°	10217.0	100.0
0°-180°	10217.0	100.0

Coefficient of Utilization



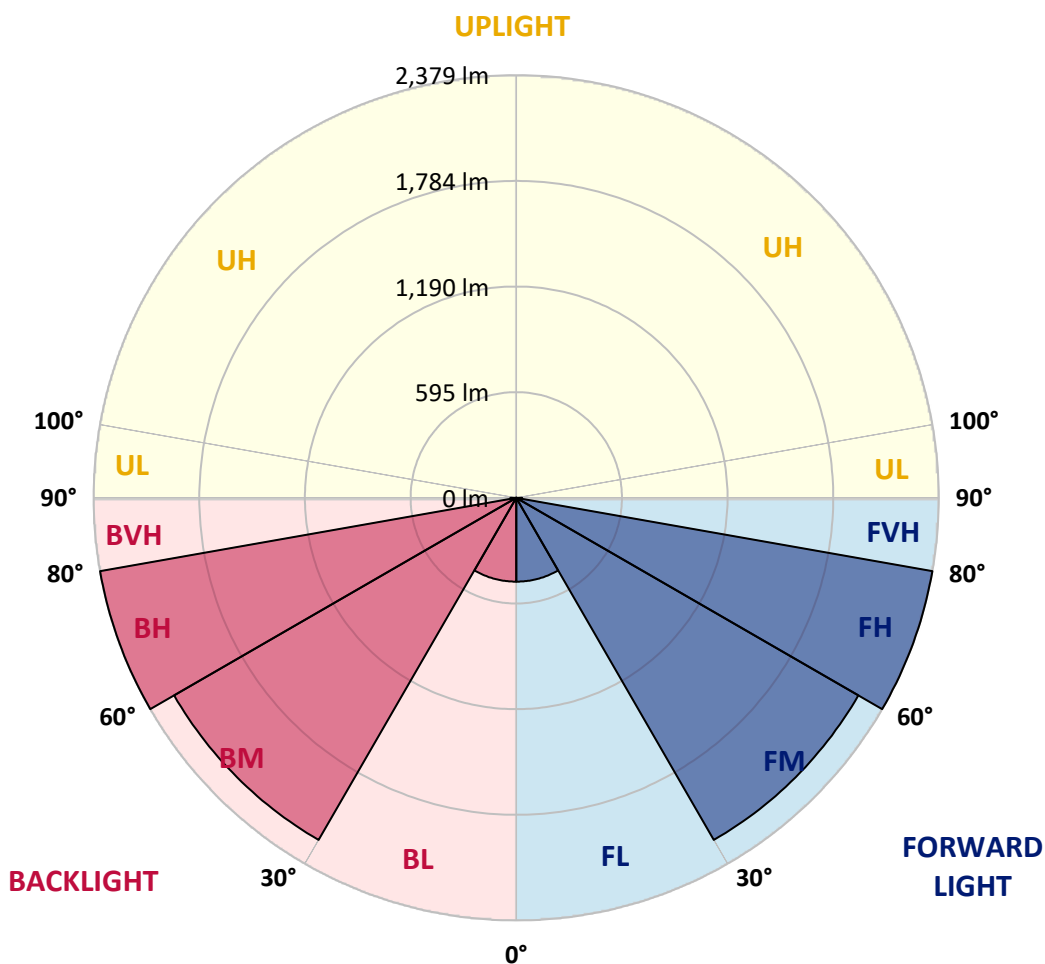
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.1	4.6			
FM (30°-60°)	2224.2	21.8			
FH (60°-80°)	2379.2	23.3			G2/5000
FVH (80°-90°)	33.0	0.3			G1/100
BL (0°-30°)	472.1	4.6	B1/500		
BM (30°-60°)	2224.2	21.8	B2/2500		
BH (60°-80°)	2379.2	23.3	B3/2500		G2/5000
BVH (80°-90°)	33.0	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°	1115.9	1115.9	1115.9	1115.9	1115.9	1115.9	1115.9	1115.9	1115.9	1115.9	1115.9
2.5°	1114.2	1113.2	1115.5	1115.2	1113.2	1113.5	1113.5	1114.5	1114.5	1113.8	1113.8
5°	1110.1	1109.4	1112.1	1112.1	1110.1	1110.8	1111.5	1112.5	1112.1	1111.5	1111.1
7.5°	1105.0	1104.7	1107.4	1107.4	1106.0	1106.7	1106.0	1106.4	1105.7	1105.0	1104.0
10°	1096.6	1097.3	1099.6	1100.3	1100.3	1100.6	1100.0	1098.3	1097.3	1096.2	1095.2
12.5°	1088.8	1088.5	1091.8	1093.5	1096.2	1099.3	1097.3	1092.5	1090.5	1088.5	1087.8
15°	1083.7	1084.1	1087.5	1090.5	1095.2	1101.7	1099.3	1091.8	1087.8	1085.4	1084.7
17.5°	1082.7	1083.4	1087.8	1093.2	1098.3	1105.4	1104.0	1096.6	1089.8	1085.4	1084.4
20°	1085.1	1085.4	1092.2	1100.0	1108.8	1115.5	1112.5	1104.4	1095.2	1088.5	1086.8
22.5°	1089.5	1090.8	1099.3	1111.5	1125.0	1134.1	1130.4	1116.5	1102.3	1093.9	1091.5
25°	1103.3	1103.7	1115.2	1131.7	1148.0	1158.5	1154.1	1134.5	1116.2	1106.7	1103.7
27.5°	1132.1	1133.1	1144.6	1163.9	1177.7	1184.5	1181.8	1165.9	1150.3	1140.2	1141.2
30°	1173.7	1175.0	1187.9	1209.2	1217.6	1219.3	1218.6	1211.2	1197.0	1183.5	1184.5
32.5°	1224.4	1225.1	1242.3	1261.6	1268.4	1269.7	1268.4	1261.6	1244.7	1226.4	1227.4
35°	1289.7	1291.7	1308.3	1326.9	1332.3	1335.0	1332.6	1323.8	1306.2	1288.3	1287.6
37.5°	1370.1	1370.5	1387.7	1407.0	1413.8	1414.4	1411.7	1406.0	1384.0	1367.8	1366.8
40°	1463.5	1464.8	1485.1	1505.7	1508.4	1505.4	1509.1	1505.7	1483.1	1464.5	1467.5
42.5°	1577.1	1580.1	1604.5	1624.8	1617.0	1615.3	1617.7	1618.7	1600.4	1577.8	1575.7
45°	1709.3	1712.0	1742.4	1758.7	1753.6	1742.4	1747.2	1755.3	1729.9	1701.8	1704.6
47.5°	1860.1	1866.9	1899.3	1914.5	1902.0	1886.8	1895.9	1908.1	1878.4	1843.5	1841.8
50°	2027.8	2036.3	2079.5	2100.9	2088.3	2060.3	2075.5	2083.6	2040.7	1995.7	1992.0
52.5°	2206.7	2215.1	2269.6	2313.5	2305.4	2261.8	2283.1	2274.7	2225.3	2164.8	2160.0
55°	2409.2	2412.6	2471.5	2542.5	2550.6	2518.5	2517.1	2503.2	2430.2	2360.2	2356.8
57.5°	2617.5	2619.9	2696.0	2779.8	2818.0	2818.0	2780.2	2750.8	2653.7	2572.6	2564.1
60°	2842.4	2850.8	2935.0	3049.0	3138.3	3164.6	3097.7	3017.5	2912.0	2813.0	2803.2
62.5°	3042.6	3052.4	3181.2	3350.9	3494.3	3590.3	3426.7	3296.2	3104.1	2945.2	2926.6
65°	3067.9	3094.3	3282.0	3589.3	3910.2	4102.0	3788.2	3466.6	3116.6	2895.8	2876.9
67.5°	2801.8	2846.4	3100.0	3578.5	4241.6	4653.1	4019.1	3369.2	2892.1	2648.0	2627.0
70°	2152.9	2217.8	2510.3	3130.1	4184.5	4830.6	3874.4	2949.6	2411.3	2148.5	2119.1
72.5°	1181.1	1207.8	1470.9	2143.5	3354.7	4105.0	3231.6	2181.0	1599.1	1301.2	1251.8
75°	374.7	384.1	518.0	877.1	1897.6	2719.0	2052.8	1070.5	589.4	434.5	429.4
77.5°	166.4	167.4	187.3	256.0	653.6	1377.6	785.2	291.5	200.9	175.5	181.2
80°	105.2	105.2	116.0	126.8	177.9	400.0	212.4	138.6	118.3	109.9	112.3
82.5°	50.4	55.8	75.4	81.2	97.7	134.6	108.9	90.6	79.1	58.8	54.8
85°	33.1	27.7	47.7	53.8	56.8	64.6	63.2	59.9	51.7	29.4	32.8
87.5°	14.9	14.2	24.7	22.7	21.3	16.2	24.3	30.1	29.1	14.5	14.5
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)