

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: P386379

Luminaire Tested: GAW-SA2A-735-U-5NQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386379
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-735-U-5NQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 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: 9424.9 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

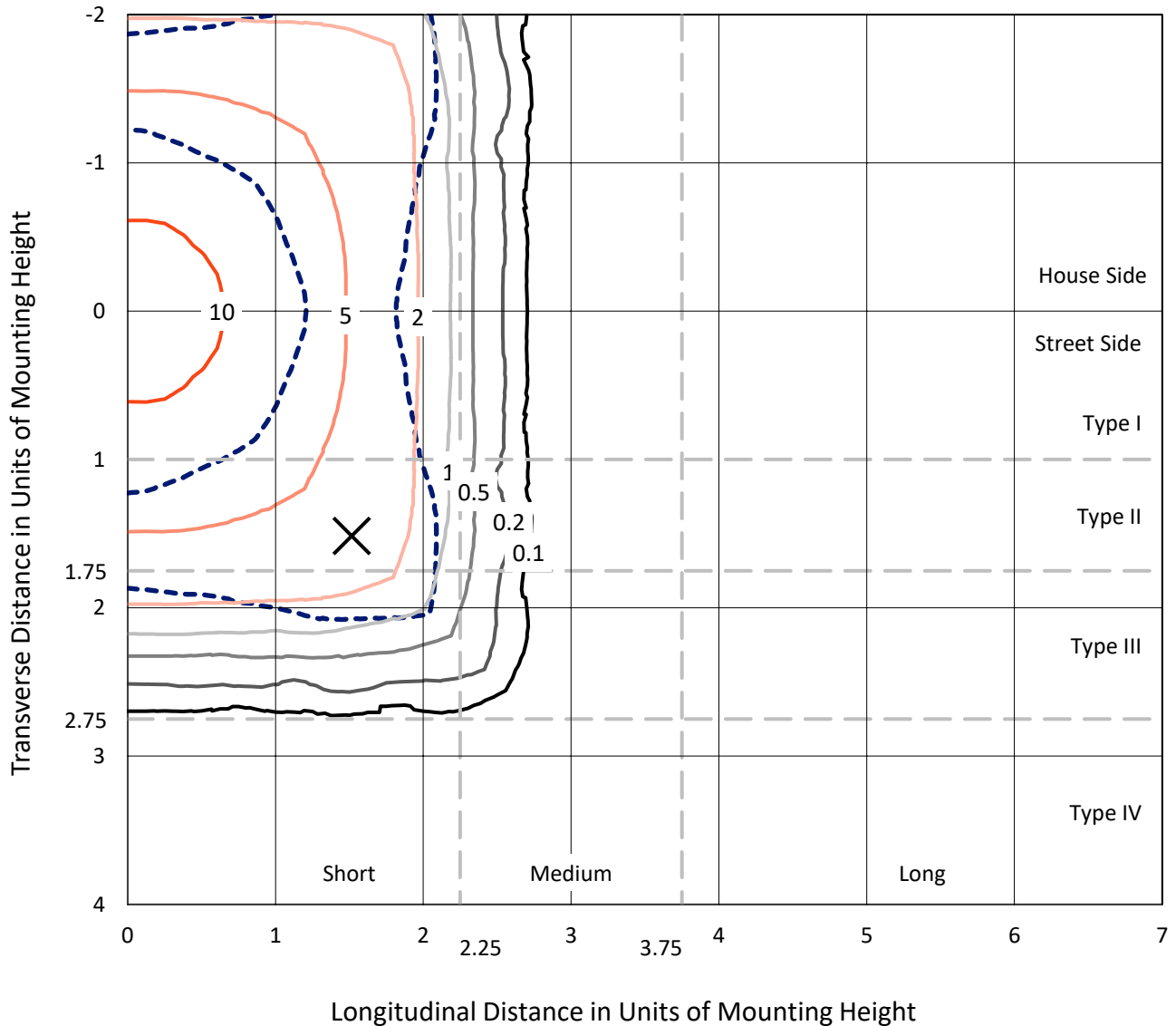
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

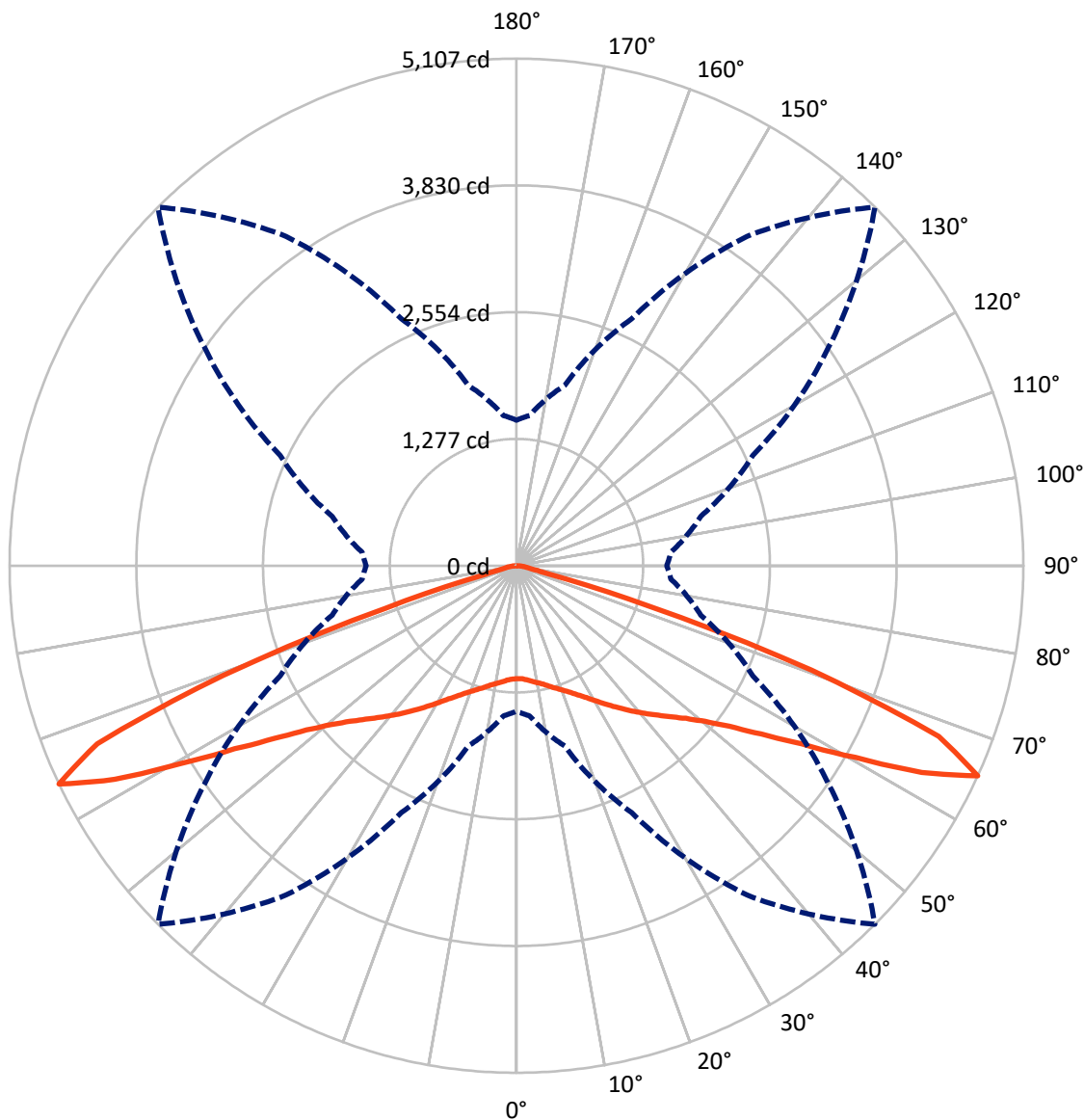
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 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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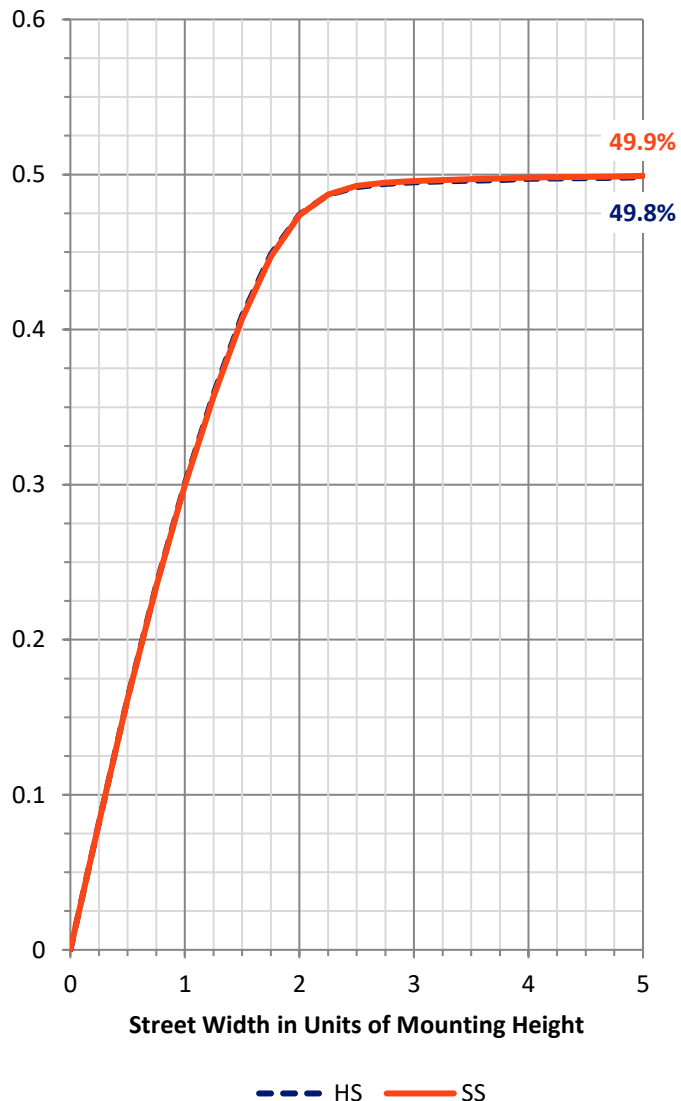
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4712.5	0.0	4712.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4712.5	0.0	4712.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9424.9	0.0	9424.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	1.2
10°-20°	358.9	3.8
20°-30°	673.4	7.1
30°-40°	1113.7	11.8
40°-50°	1725.0	18.3
50°-60°	2645.7	28.1
60°-70°	2468.7	26.2
70°-80°	287.3	3.0
80°-90°	40.4	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°	9424.9	100.0
0°-180°	9424.9	100.0

Coefficient of Utilization



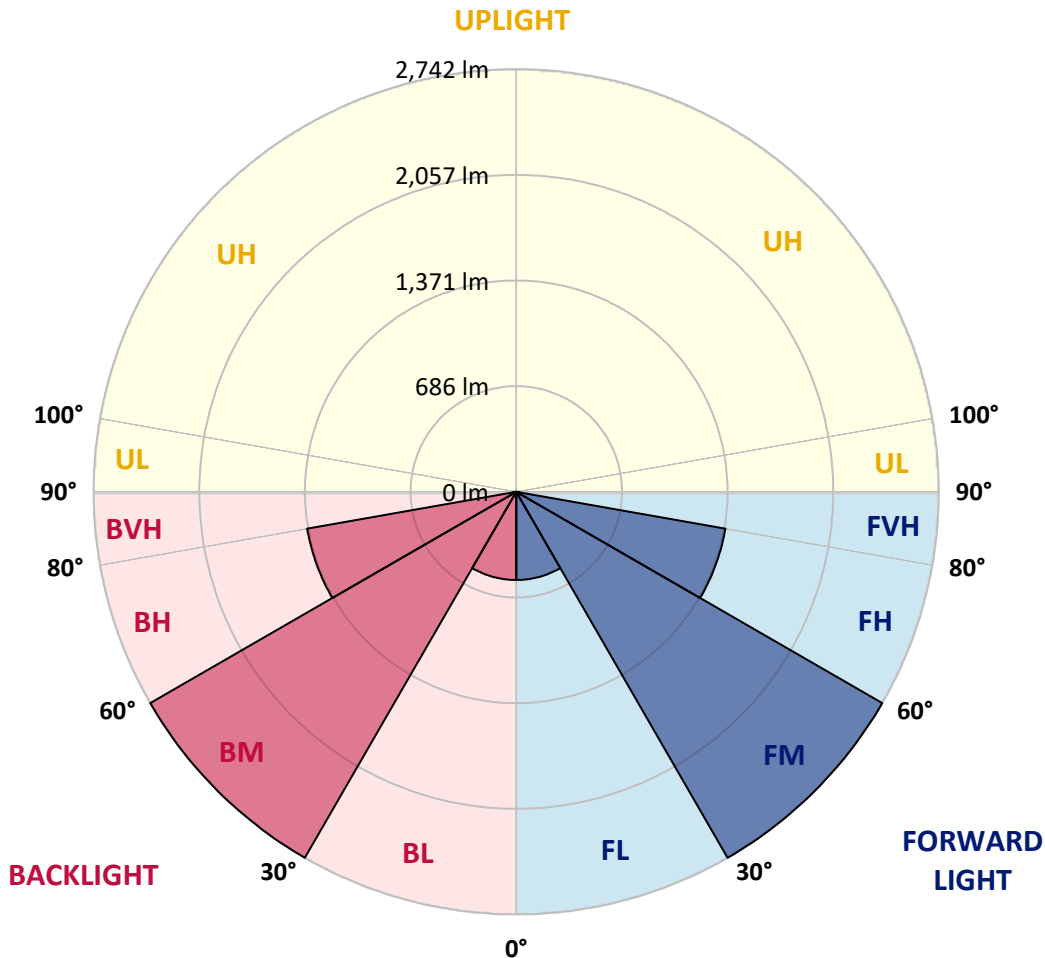
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.0	6.1			
FM (30°-60°)	2742.2	29.1			
FH (60°-80°)	1378.0	14.6			G1/1800
FVH (80°-90°)	20.2	0.2			G1/100
BL (0°-30°)	572.0	6.1	B2/1000		
BM (30°-60°)	2742.2	29.1	B3/5000		
BH (60°-80°)	1378.0	14.6	B3/2500		G1/1800
BVH (80°-90°)	20.2	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°	1138.2	1138.2	1138.2	1138.2	1138.2	1138.2	1138.2	1138.2	1138.2	1138.2	1138.2
2.5°	1141.9	1141.3	1141.9	1142.2	1140.3	1141.3	1141.0	1142.6	1143.1	1142.6	1142.6
5°	1155.1	1154.1	1155.4	1157.0	1154.4	1155.1	1154.1	1156.0	1156.7	1155.4	1156.3
7.5°	1173.2	1173.5	1174.8	1177.6	1176.0	1177.2	1175.4	1175.7	1175.4	1173.5	1173.9
10°	1192.9	1193.2	1195.5	1199.2	1199.8	1199.8	1198.6	1197.6	1196.4	1195.1	1195.5
12.5°	1216.7	1218.3	1219.8	1224.5	1224.5	1227.0	1226.4	1223.9	1221.7	1219.8	1219.8
15°	1248.9	1248.6	1250.5	1255.2	1257.4	1261.4	1261.4	1258.0	1255.2	1253.3	1252.7
17.5°	1282.7	1283.7	1284.9	1290.5	1294.0	1298.7	1299.3	1296.5	1294.6	1292.1	1290.5
20°	1322.1	1323.7	1328.7	1330.9	1334.0	1338.4	1340.0	1339.4	1337.5	1336.2	1336.6
22.5°	1368.1	1372.2	1375.4	1378.5	1382.2	1385.3	1386.9	1389.1	1387.2	1386.3	1385.6
25°	1423.8	1426.7	1432.9	1438.5	1441.0	1442.0	1443.8	1446.9	1446.7	1444.5	1444.5
27.5°	1487.1	1492.3	1500.1	1508.3	1508.3	1505.2	1511.4	1516.7	1514.9	1512.0	1508.3
30°	1563.7	1568.7	1577.7	1589.0	1583.3	1581.2	1589.6	1599.3	1596.5	1591.8	1591.2
32.5°	1646.3	1651.0	1662.8	1675.0	1667.9	1664.7	1673.8	1687.9	1682.8	1673.4	1667.9
35°	1735.7	1740.4	1757.3	1772.1	1759.9	1754.5	1762.0	1777.3	1768.6	1751.0	1746.7
37.5°	1833.0	1835.6	1857.5	1872.5	1864.0	1849.9	1859.3	1870.6	1863.1	1841.8	1833.3
40°	1934.1	1943.1	1968.5	1986.1	1971.3	1949.1	1964.7	1980.4	1969.2	1941.9	1927.5
42.5°	2052.0	2059.0	2092.7	2108.4	2084.6	2053.3	2074.6	2095.9	2084.6	2058.3	2045.8
45°	2174.7	2185.3	2225.7	2241.3	2206.9	2167.2	2193.1	2230.4	2229.5	2191.6	2178.5
47.5°	2308.3	2318.9	2367.1	2387.8	2350.6	2297.3	2333.9	2386.5	2382.8	2341.2	2330.4
50°	2462.5	2473.8	2533.8	2559.8	2525.1	2463.2	2518.2	2564.5	2557.6	2506.3	2507.2
52.5°	2656.1	2655.6	2730.3	2775.3	2739.7	2685.0	2735.6	2780.7	2752.2	2681.2	2679.1
55°	2825.7	2836.0	2928.7	3014.0	3011.9	2990.9	3011.2	3013.1	2931.8	2837.3	2825.7
57.5°	2937.1	2956.8	3087.3	3241.8	3357.6	3385.5	3346.0	3226.5	3036.0	2884.9	2866.4
60°	2868.6	2898.6	3103.6	3418.6	3759.6	3923.3	3700.8	3330.1	2955.0	2744.4	2719.4
62.5°	2406.2	2456.9	2756.9	3333.2	4105.6	4584.1	3957.9	3164.0	2632.7	2342.7	2299.8
65°	1465.5	1518.9	1880.6	2743.5	4049.6	5107.1	3840.6	2626.2	1921.6	1560.9	1514.6
67.5°	488.4	504.0	717.0	1516.5	3182.8	4588.7	3188.0	1572.1	836.2	554.4	538.1
70°	191.2	192.8	227.4	439.5	1502.9	3151.8	1658.5	447.4	237.8	188.1	192.1
72.5°	140.4	141.1	150.8	183.7	391.7	1388.4	405.8	184.6	146.7	131.7	131.7
75°	112.9	112.9	119.9	133.9	175.5	318.5	178.0	132.4	114.8	105.1	103.9
77.5°	89.1	91.0	96.4	105.4	118.9	153.3	123.2	104.8	92.6	83.5	81.6
80°	66.3	68.2	76.9	81.4	85.4	106.3	91.0	82.0	73.2	62.6	60.7
82.5°	43.5	45.4	56.3	58.8	57.9	69.4	61.3	60.4	53.8	40.4	38.5
85°	28.5	29.1	37.6	39.1	36.0	31.6	39.1	41.3	37.6	26.3	25.4
87.5°	13.4	13.4	19.1	17.8	16.3	13.2	17.8	20.9	21.2	12.9	12.5
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)