

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: P385935

Luminaire Tested: GAW-SA1C-735-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385935
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-SA1C-735-U-RW
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7253.1 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

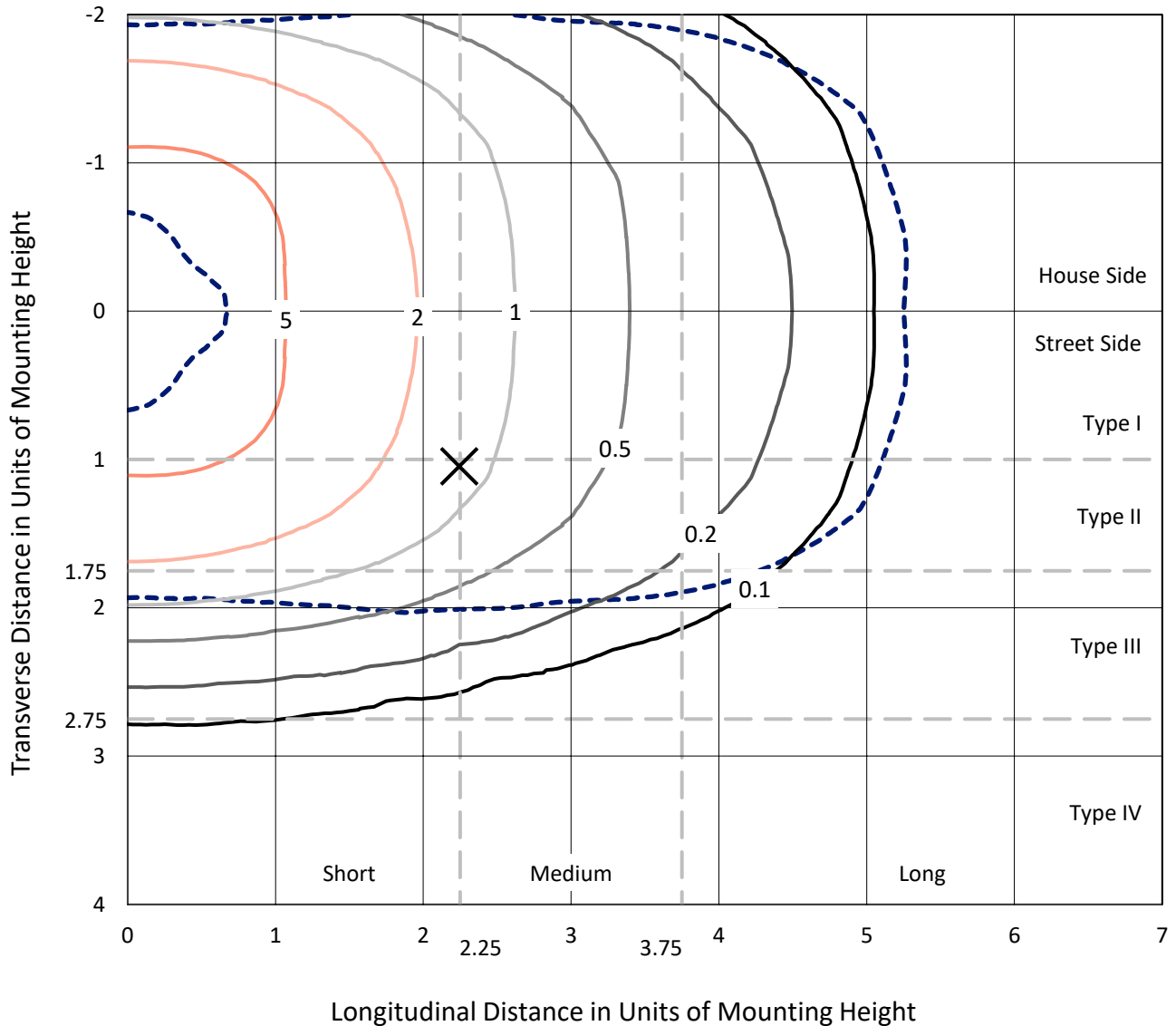
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

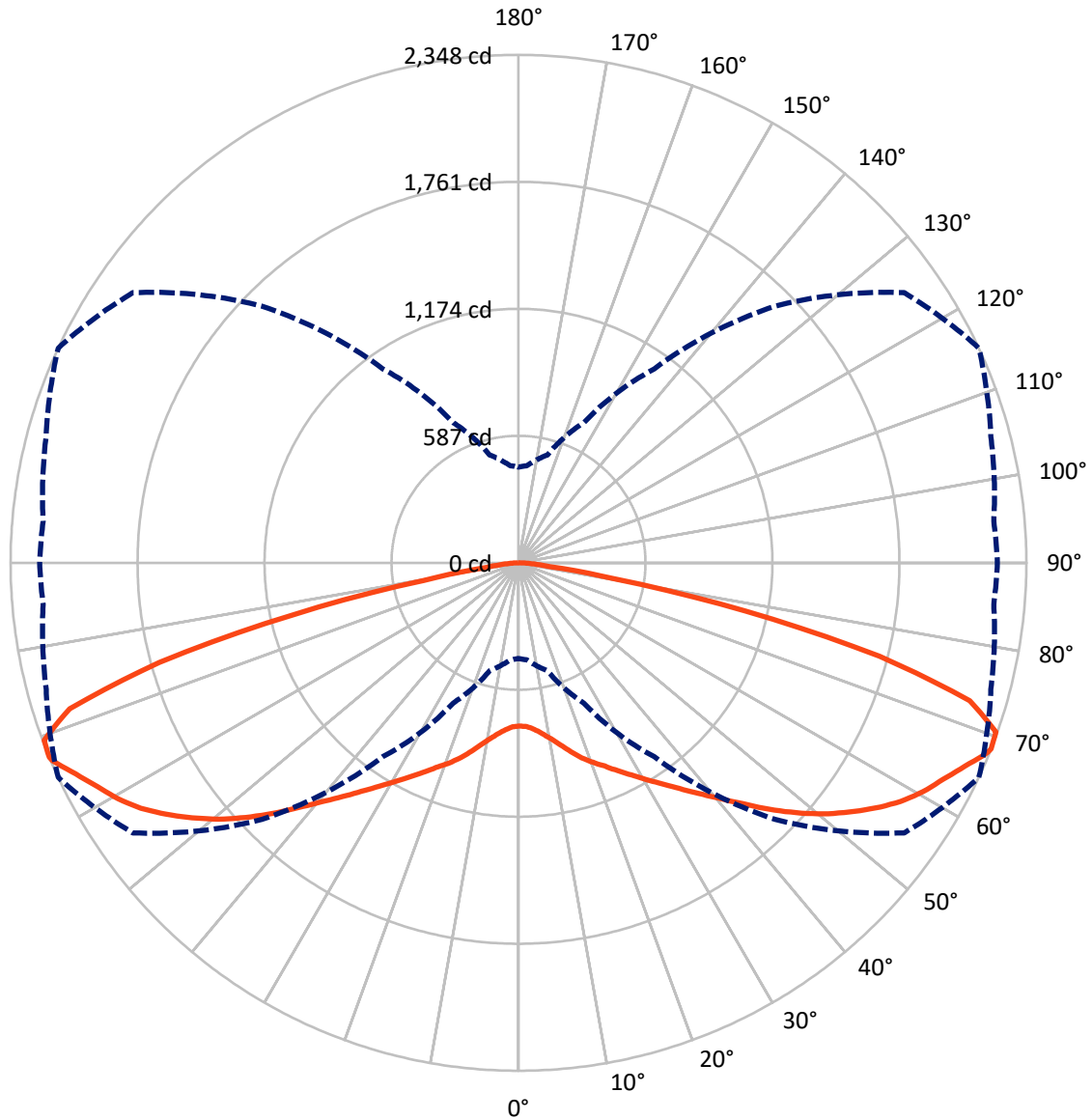
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 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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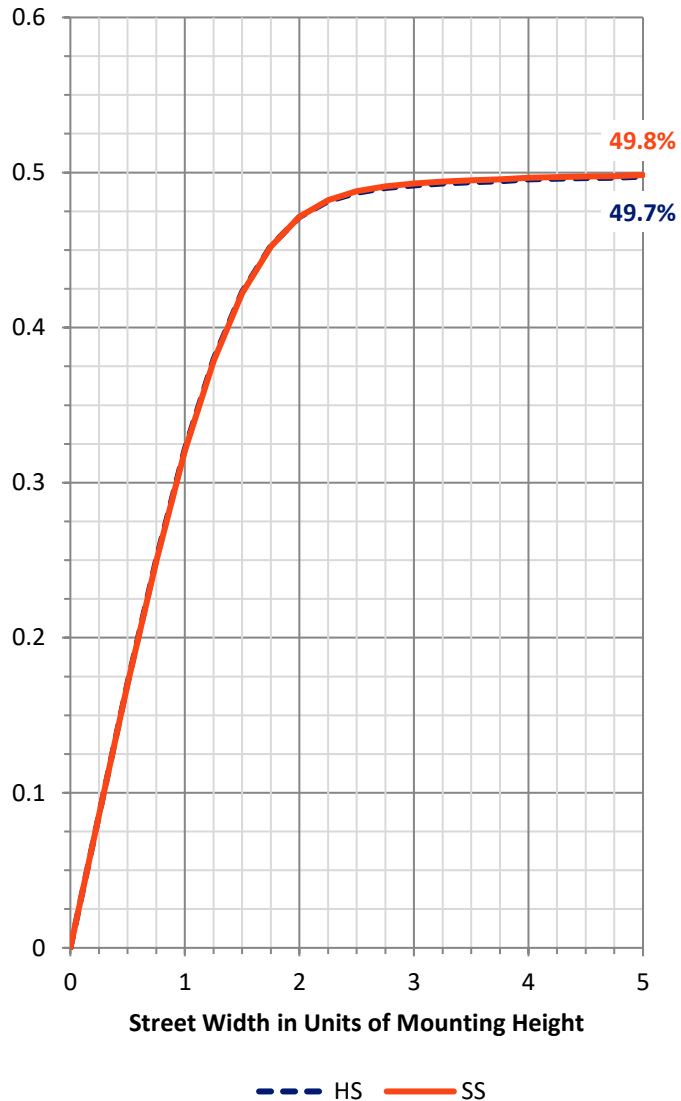
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3626.5	0.0	3626.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3626.5	0.0	3626.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7253.1	0.0	7253.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	1.0
10°-20°	247.2	3.4
20°-30°	482.0	6.6
30°-40°	809.8	11.2
40°-50°	1276.0	17.6
50°-60°	1706.4	23.5
60°-70°	1658.8	22.9
70°-80°	906.8	12.5
80°-90°	92.2	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°	7253.1	100.0
0°-180°	7253.1	100.0

Coefficient of Utilization



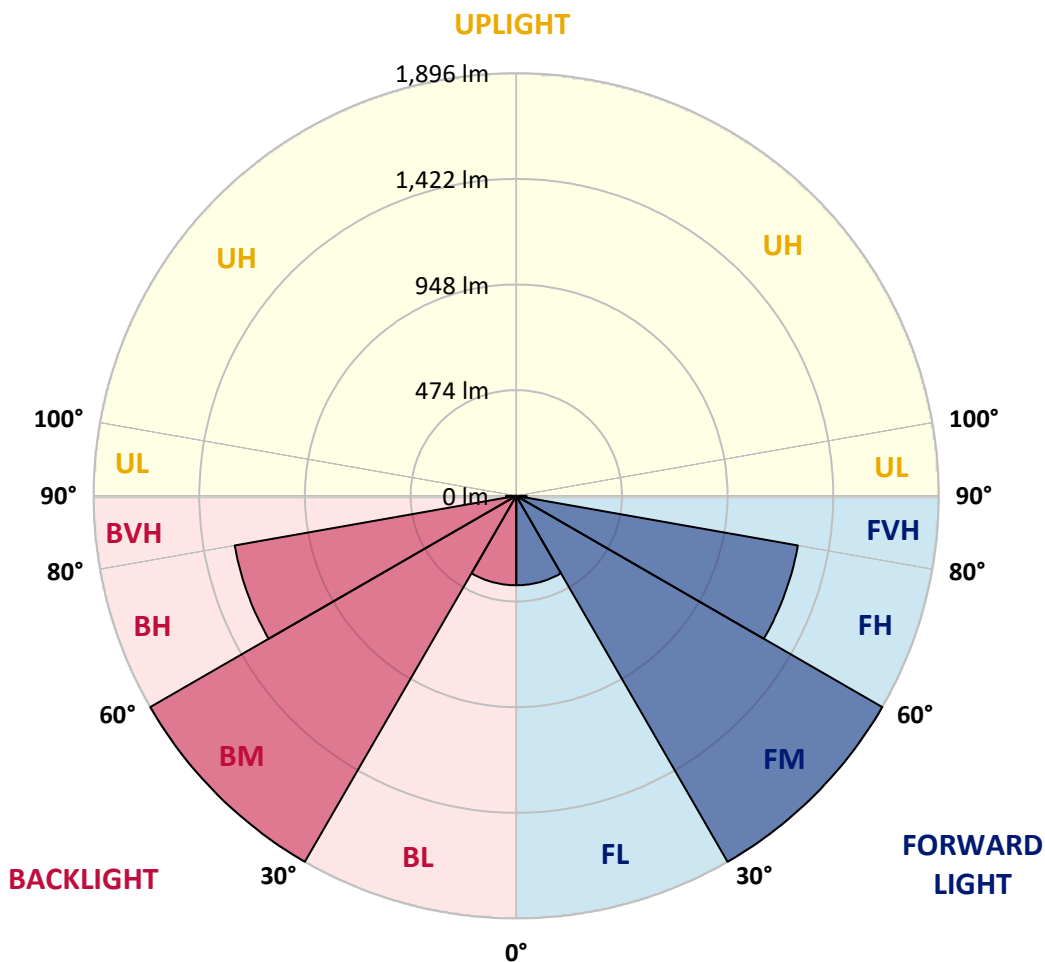
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	401.6	5.5			
FM (30°-60°)	1896.1	26.1			
FH (60°-80°)	1282.8	17.7			G1/1800
FVH (80°-90°)	46.1	0.6			G1/100
BL (0°-30°)	401.6	5.5	B1/500		
BM (30°-60°)	1896.1	26.1	B2/2500		
BH (60°-80°)	1282.8	17.7	B3/2500		G3/2500
BVH (80°-90°)	46.1	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°	754.1	754.1	754.1	754.1	754.1	754.1	754.1	754.1	754.1	754.1	754.1
2.5°	748.8	749.1	750.3	751.7	752.9	756.1	756.9	758.0	758.6	759.8	759.8
5°	742.2	742.7	745.6	749.5	753.9	761.7	767.3	773.6	776.8	780.2	779.9
7.5°	741.5	742.7	746.8	753.2	760.4	773.4	785.1	797.6	806.2	814.0	813.5
10°	749.1	751.0	756.9	766.3	777.3	793.3	810.6	827.6	842.4	854.4	854.8
12.5°	760.4	762.9	772.2	786.5	803.0	823.7	844.1	863.3	883.8	901.5	902.9
15°	775.6	778.7	792.6	814.0	839.3	863.9	885.8	905.4	929.0	953.6	956.0
17.5°	797.9	802.3	820.6	849.5	882.8	909.8	932.6	947.5	967.2	992.5	997.1
20°	831.9	837.6	860.7	895.2	935.8	964.0	981.6	984.7	994.4	1017.1	1022.4
22.5°	876.3	881.1	906.9	947.9	993.4	1024.1	1033.3	1020.7	1019.7	1037.9	1043.1
25°	925.6	930.0	959.9	1006.1	1054.9	1088.8	1088.6	1064.0	1047.0	1061.0	1066.4
27.5°	981.0	987.9	1016.5	1065.2	1117.5	1150.8	1148.9	1110.9	1078.6	1082.2	1086.9
30°	1044.8	1052.3	1080.3	1129.6	1181.9	1214.5	1212.1	1162.0	1113.4	1103.6	1107.0
32.5°	1123.8	1132.8	1159.3	1208.0	1254.2	1283.6	1276.5	1217.5	1155.2	1134.0	1137.1
35°	1218.9	1224.2	1252.2	1300.1	1337.6	1357.8	1343.0	1281.6	1208.2	1182.7	1182.7
37.5°	1315.2	1319.4	1350.7	1397.2	1433.4	1444.1	1415.2	1351.9	1277.5	1241.2	1242.0
40°	1407.6	1418.8	1454.1	1501.7	1537.5	1540.4	1502.0	1432.2	1354.6	1317.1	1321.5
42.5°	1504.2	1515.1	1557.1	1611.2	1642.8	1647.6	1602.7	1522.2	1441.7	1411.3	1416.1
45°	1590.2	1599.0	1647.6	1710.4	1749.8	1762.4	1709.1	1625.2	1535.8	1506.1	1507.4
47.5°	1650.3	1661.8	1715.2	1789.2	1846.6	1866.0	1813.8	1725.7	1628.4	1592.5	1595.6
50°	1704.8	1710.9	1765.1	1845.8	1918.8	1958.9	1914.2	1825.0	1722.1	1683.9	1687.2
52.5°	1735.2	1743.0	1795.5	1879.6	1966.0	2030.7	2003.4	1914.2	1812.6	1775.4	1779.5
55°	1714.0	1719.8	1782.9	1887.1	1995.2	2074.9	2079.1	2001.5	1901.3	1868.7	1880.4
57.5°	1617.7	1625.1	1701.9	1838.6	1998.8	2104.8	2136.0	2082.4	1984.2	1957.7	1964.6
60°	1467.2	1471.8	1553.8	1707.4	1927.8	2117.3	2172.3	2148.6	2065.4	2039.0	2048.2
62.5°	1198.9	1205.8	1303.8	1509.8	1777.7	2080.6	2207.2	2203.3	2141.1	2116.7	2125.0
65°	819.5	831.5	940.0	1200.5	1546.4	1968.2	2239.1	2267.0	2208.0	2177.3	2188.2
67.5°	494.9	503.7	582.2	792.6	1183.4	1741.5	2206.3	2339.6	2255.1	2205.8	2214.8
68°	442.4	450.4	516.1	715.3	1094.6	1677.6	2176.4	2347.8	2260.3	2205.3	2213.3
70°	267.3	272.6	316.7	442.2	729.8	1330.7	1972.4	2341.0	2292.9	2212.1	2216.7
72.5°	174.2	175.9	183.1	226.9	372.8	744.2	1480.3	2181.5	2341.7	2251.7	2251.0
75°	144.7	143.7	144.5	149.6	183.8	326.3	865.1	1723.3	2232.3	2189.3	2173.9
77.5°	122.3	121.6	121.4	121.6	123.1	157.6	375.5	1073.4	1708.2	1936.6	1950.2
80°	99.0	98.0	101.2	99.7	95.3	98.0	157.3	446.5	805.2	866.2	811.8
82.5°	72.0	68.3	81.9	78.1	74.4	69.0	86.8	144.2	192.1	131.8	92.6
85°	55.4	51.6	62.3	59.8	51.1	35.2	51.6	70.5	77.8	44.5	35.0
87.5°	22.6	23.9	45.0	35.5	29.9	17.0	21.1	28.2	38.0	19.0	14.6
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)