

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: P385907

Luminaire Tested: GAW-SA1C-730-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385907
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-730-U-RW
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7032 lumens
Efficiency: N/A
Efficacy: 119.2 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

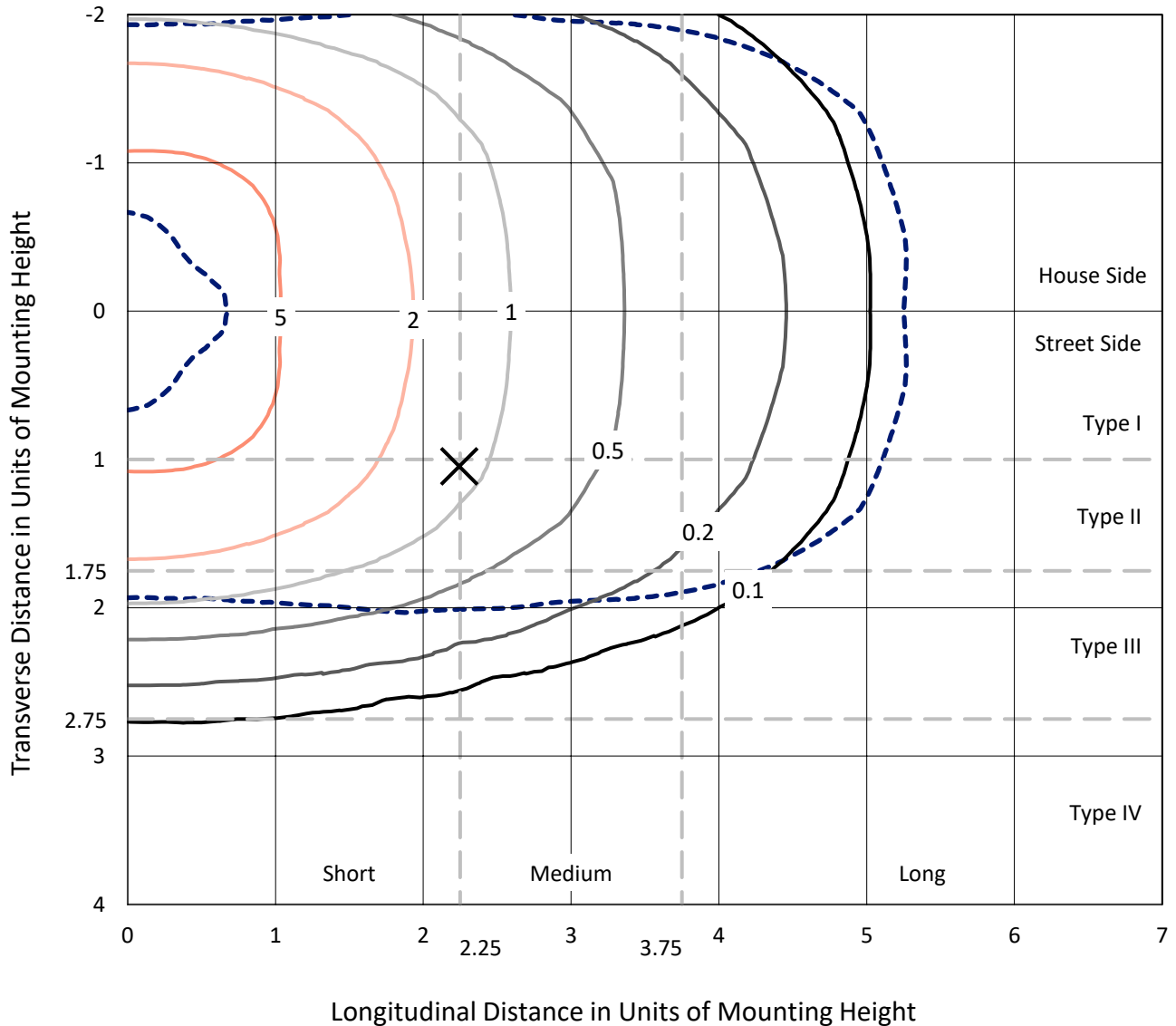
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

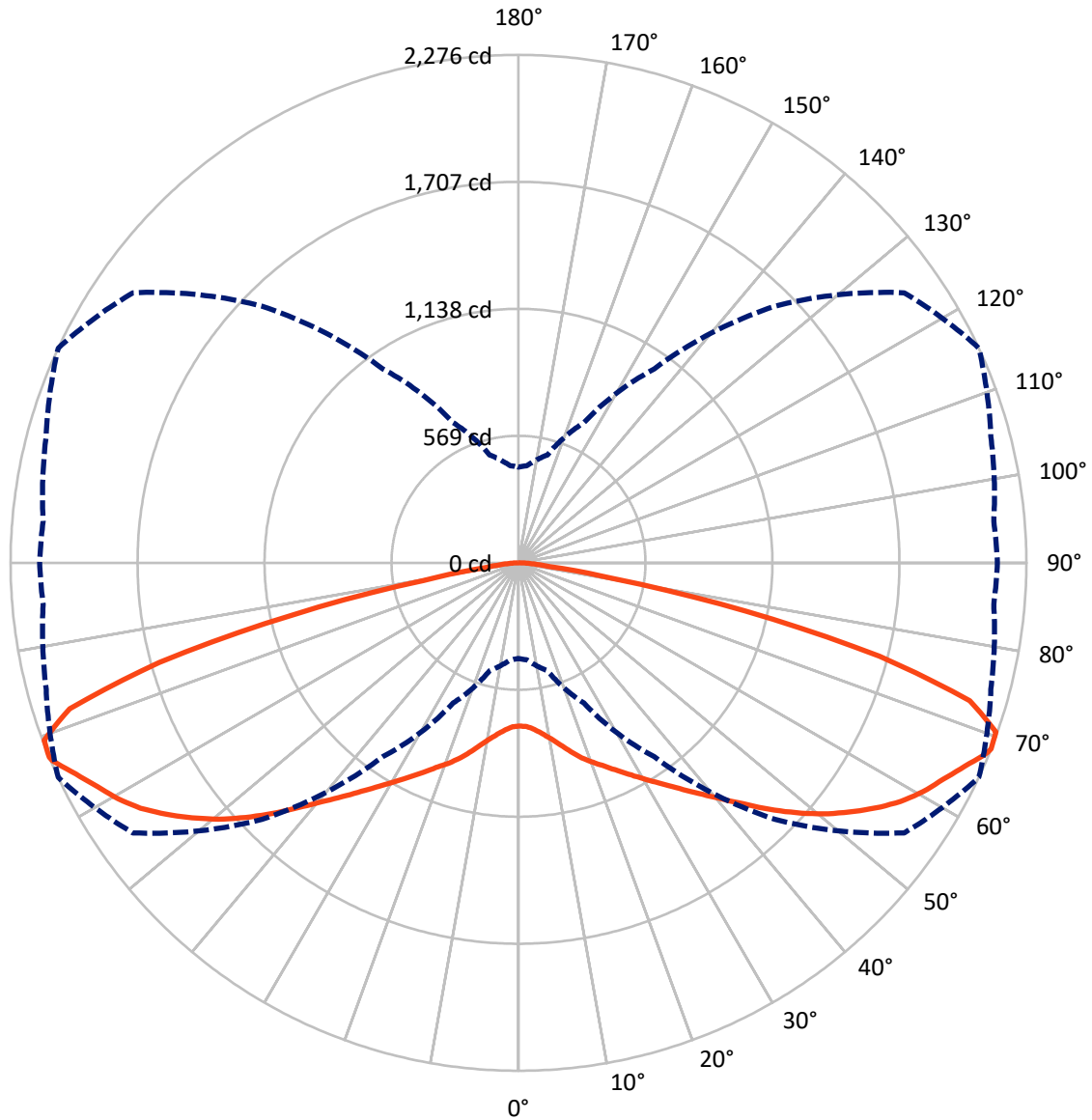
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 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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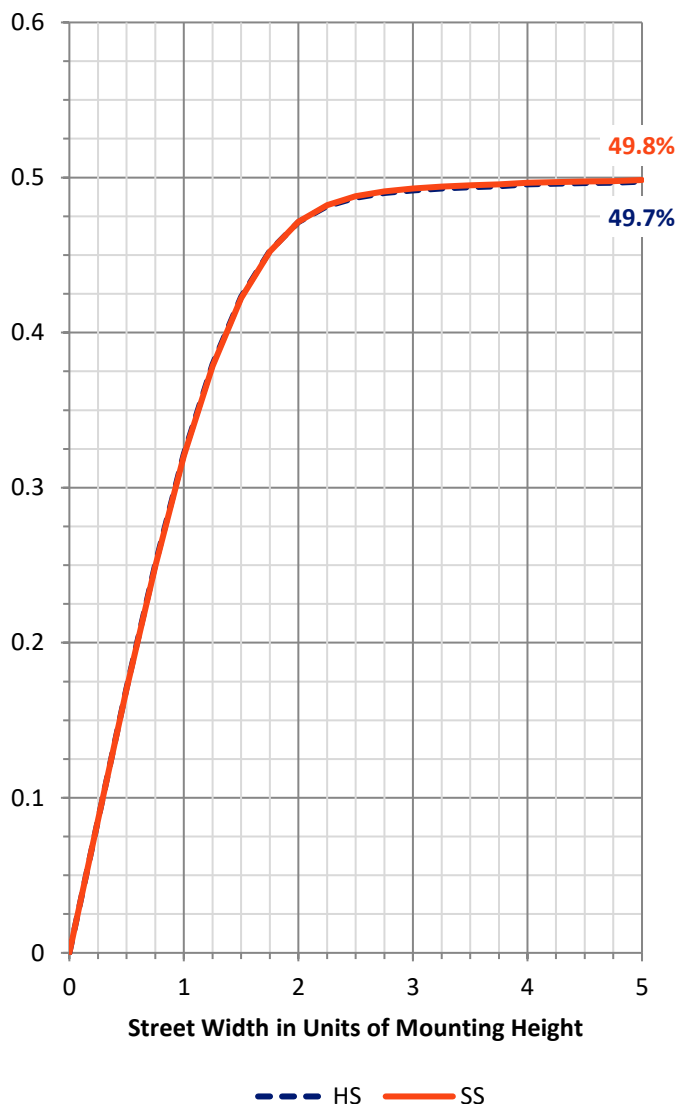
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3516.0	0.0	3516.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3516.0	0.0	3516.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7032.0	0.0	7032.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	1.0
10°-20°	239.7	3.4
20°-30°	467.3	6.6
30°-40°	785.1	11.2
40°-50°	1237.1	17.6
50°-60°	1654.4	23.5
60°-70°	1608.3	22.9
70°-80°	879.2	12.5
80°-90°	89.4	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°	7032.0	100.0
0°-180°	7032.0	100.0

Coefficient of Utilization



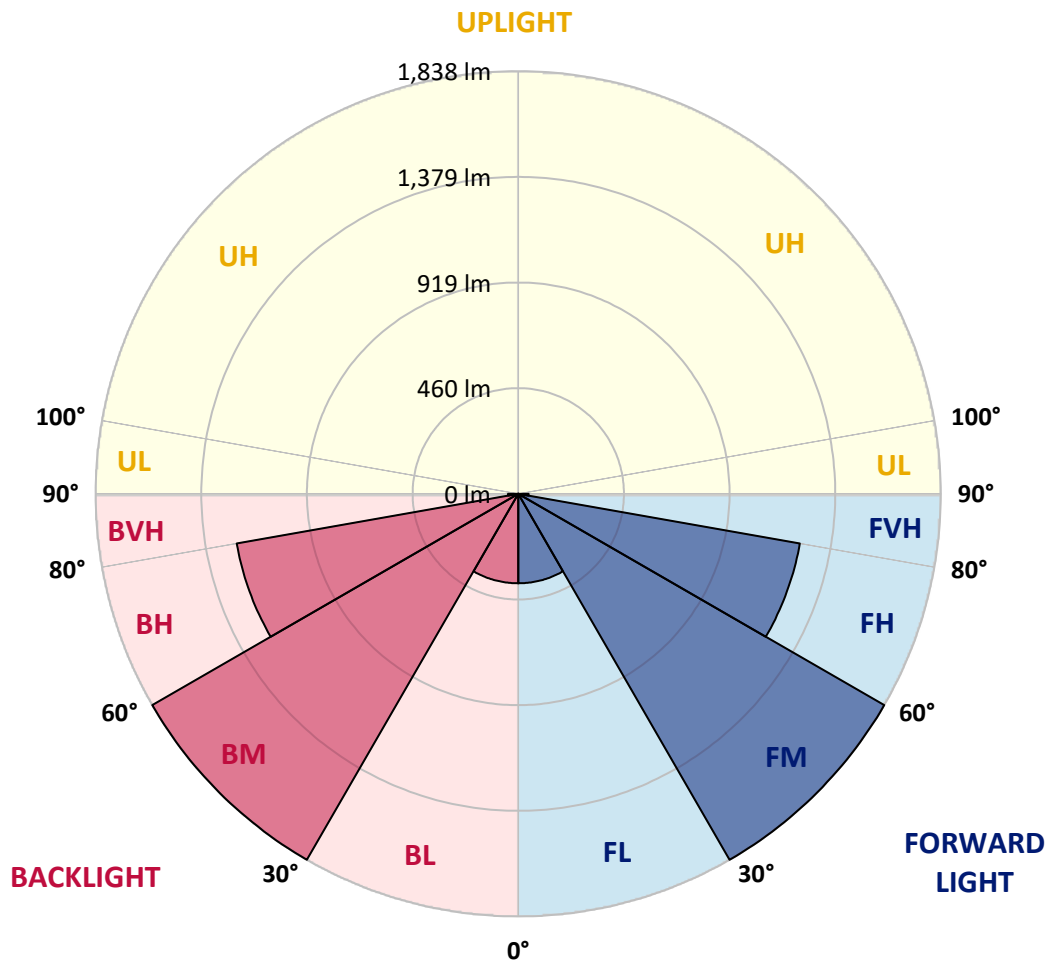
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	389.3	5.5			
FM (30°-60°)	1838.3	26.1			
FH (60°-80°)	1243.7	17.7			G1/1800
FVH (80°-90°)	44.7	0.6			G1/100
BL (0°-30°)	389.3	5.5	B1/500		
BM (30°-60°)	1838.3	26.1	B2/2500		
BH (60°-80°)	1243.7	17.7	B3/2500		G3/2500
BVH (80°-90°)	44.7	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°	731.2	731.2	731.2	731.2	731.2	731.2	731.2	731.2	731.2	731.2	731.2
2.5°	726.0	726.2	727.4	728.8	730.0	733.0	733.8	734.9	735.4	736.6	736.6
5°	719.6	720.1	722.9	726.7	730.9	738.5	743.9	750.0	753.1	756.4	756.2
7.5°	718.9	720.1	724.1	730.2	737.3	749.8	761.1	773.4	781.6	789.2	788.7
10°	726.2	728.1	733.8	743.0	753.6	769.1	785.9	802.4	816.8	828.3	828.8
12.5°	737.3	739.7	748.6	762.5	778.6	798.6	818.4	837.0	856.8	874.0	875.5
15°	751.9	755.0	768.4	789.2	813.7	837.5	858.7	877.8	900.7	924.5	926.9
17.5°	773.6	777.8	795.5	823.6	855.9	882.1	904.2	918.6	937.7	962.2	966.7
20°	806.6	812.0	834.4	867.9	907.3	934.6	951.6	954.7	964.1	986.0	991.2
22.5°	849.5	854.2	879.2	919.1	963.2	992.9	1001.8	989.6	988.6	1006.3	1011.3
25°	897.4	901.6	930.6	975.4	1022.8	1055.6	1055.4	1031.5	1015.0	1028.7	1033.9
27.5°	951.1	957.7	985.6	1032.7	1083.4	1115.7	1113.8	1077.1	1045.7	1049.2	1053.7
30°	1012.9	1020.2	1047.3	1095.2	1145.9	1177.5	1175.1	1126.6	1079.4	1070.0	1073.3
32.5°	1089.6	1098.3	1124.0	1171.1	1215.9	1244.5	1237.6	1180.3	1120.0	1099.5	1102.5
35°	1181.7	1186.9	1214.0	1260.5	1296.8	1316.4	1302.0	1242.6	1171.4	1146.6	1146.6
37.5°	1275.1	1279.1	1309.5	1354.6	1389.7	1400.1	1372.0	1310.7	1238.6	1203.4	1204.1
40°	1364.7	1375.6	1409.7	1456.0	1490.6	1493.4	1456.2	1388.5	1313.3	1277.0	1281.2
42.5°	1458.3	1468.9	1509.7	1562.1	1592.7	1597.4	1553.8	1475.8	1397.7	1368.2	1373.0
45°	1541.8	1550.3	1597.4	1658.3	1696.5	1708.7	1657.1	1575.7	1489.0	1460.2	1461.4
47.5°	1600.0	1611.1	1663.0	1734.7	1790.3	1809.2	1758.5	1673.1	1578.8	1543.9	1547.0
50°	1652.8	1658.7	1711.3	1789.6	1860.3	1899.2	1855.8	1769.3	1669.6	1632.6	1635.9
52.5°	1682.3	1689.9	1740.8	1822.4	1906.1	1968.8	1942.4	1855.8	1757.3	1721.2	1725.2
55°	1661.8	1667.5	1728.5	1829.7	1934.4	2011.7	2015.7	1940.5	1843.4	1811.8	1823.1
57.5°	1568.4	1575.5	1650.0	1782.5	1937.9	2040.7	2070.9	2019.0	1923.8	1898.1	1904.7
60°	1422.5	1427.0	1506.4	1655.4	1869.1	2052.7	2106.0	2083.1	2002.5	1976.8	1985.8
62.5°	1162.4	1169.0	1264.0	1463.7	1723.6	2017.1	2140.0	2136.2	2075.8	2052.3	2060.3
65°	794.6	806.1	911.3	1163.8	1499.3	1908.2	2170.9	2198.0	2140.7	2111.0	2121.6
67.5°	479.8	488.3	564.5	768.4	1147.3	1688.4	2139.0	2268.2	2186.4	2138.6	2147.3
68°	428.9	436.7	500.3	693.4	1061.3	1626.4	2110.0	2276.2	2191.4	2138.1	2145.9
70°	259.1	264.3	307.0	428.7	707.6	1290.2	1912.2	2269.6	2223.0	2144.7	2149.2
72.5°	168.8	170.5	177.5	220.0	361.5	721.5	1435.2	2115.0	2270.4	2183.1	2182.4
75°	140.3	139.3	140.1	145.0	178.3	316.4	838.7	1670.8	2164.3	2122.5	2107.7
77.5°	118.6	117.9	117.7	117.9	119.3	152.8	364.0	1040.7	1656.1	1877.5	1890.7
80°	96.0	95.0	98.1	96.7	92.4	95.0	152.6	432.9	780.7	839.9	787.0
82.5°	69.8	66.3	79.5	75.7	72.1	67.0	84.2	139.8	186.3	127.8	89.8
85°	53.8	50.0	60.4	58.0	49.5	34.2	50.0	68.4	75.5	43.1	34.0
87.5°	21.9	23.1	43.6	34.4	29.0	16.5	20.5	27.4	36.8	18.4	14.1
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)