

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: P386099

Luminaire Tested: GAW-SA1D-727-U-5NQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386099
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-SA1D-727-U-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7149 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

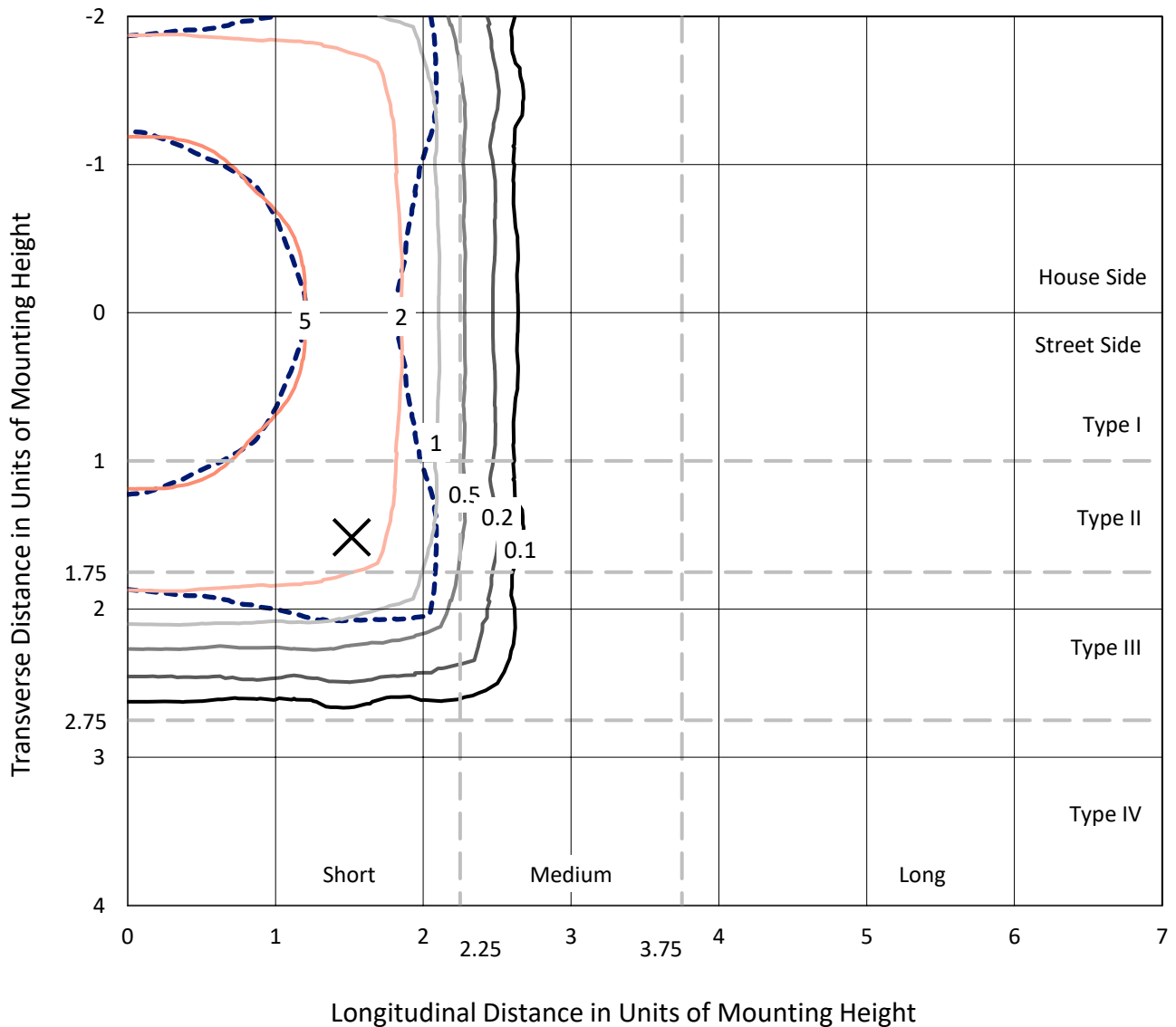
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

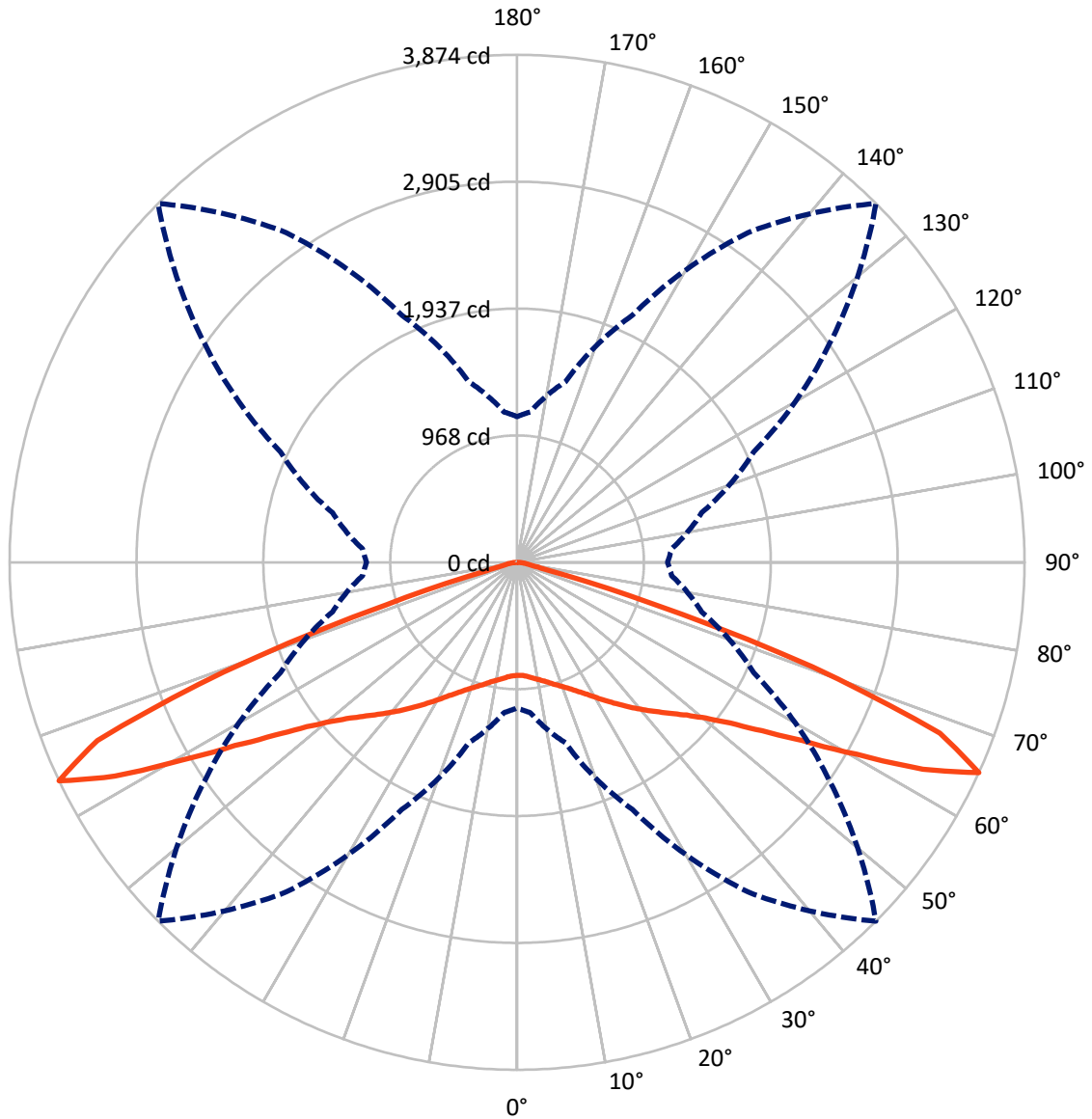
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 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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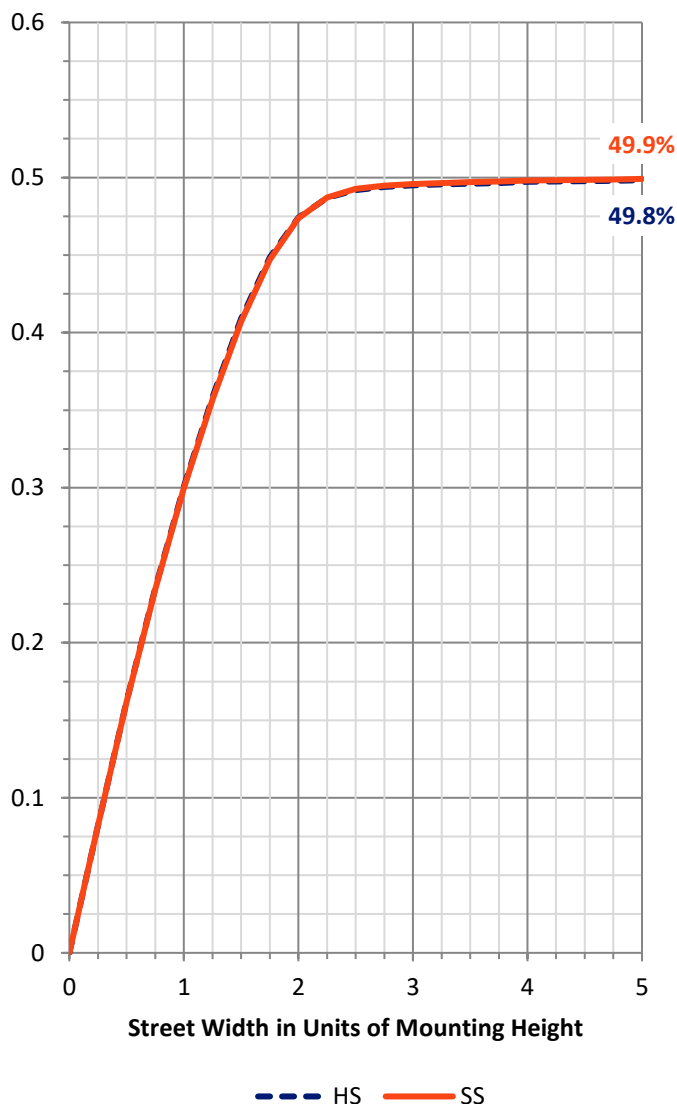
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3574.5	0.0	3574.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3574.5	0.0	3574.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7149.0	0.0	7149.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	1.2
10°-20°	272.3	3.8
20°-30°	510.8	7.1
30°-40°	844.8	11.8
40°-50°	1308.5	18.3
50°-60°	2006.8	28.1
60°-70°	1872.6	26.2
70°-80°	217.9	3.0
80°-90°	30.6	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°	7149.0	100.0
0°-180°	7149.0	100.0

Coefficient of Utilization



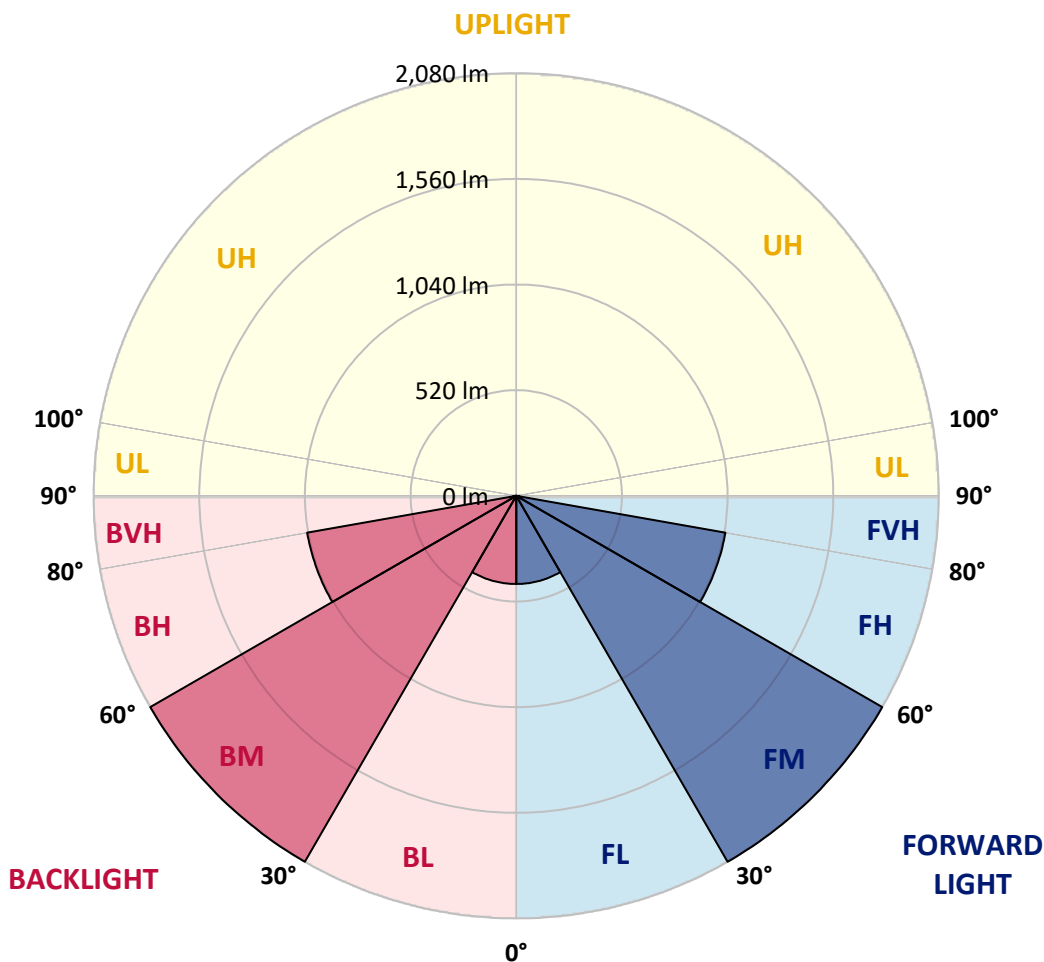
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	433.9	6.1			
FM (30°-60°)	2080.0	29.1			
FH (60°-80°)	1045.3	14.6			G1/1800
FVH (80°-90°)	15.3	0.2			G1/100
BL (0°-30°)	433.9	6.1	B1/500		
BM (30°-60°)	2080.0	29.1	B2/2500		
BH (60°-80°)	1045.3	14.6	B3/2500		G1/1800
BVH (80°-90°)	15.3	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°	863.3	863.3	863.3	863.3	863.3	863.3	863.3	863.3	863.3	863.3	863.3
2.5°	866.2	865.7	866.2	866.4	865.0	865.7	865.5	866.7	867.1	866.7	866.7
5°	876.1	875.4	876.4	877.6	875.7	876.1	875.4	876.9	877.3	876.4	877.1
7.5°	889.9	890.1	891.1	893.2	892.0	893.0	891.6	891.8	891.6	890.1	890.4
10°	904.9	905.1	906.8	909.6	910.1	910.1	909.1	908.4	907.5	906.5	906.8
12.5°	922.9	924.1	925.3	928.8	928.8	930.7	930.3	928.4	926.7	925.3	925.3
15°	947.3	947.1	948.5	952.1	953.7	956.8	956.8	954.2	952.1	950.7	950.2
17.5°	973.0	973.7	974.6	978.9	981.5	985.1	985.5	983.4	982.0	980.1	978.9
20°	1002.9	1004.1	1007.9	1009.5	1011.9	1015.2	1016.4	1015.9	1014.5	1013.5	1013.8
22.5°	1037.8	1040.8	1043.2	1045.6	1048.4	1050.8	1052.0	1053.7	1052.2	1051.5	1051.0
25°	1080.0	1082.1	1086.9	1091.1	1093.0	1093.8	1095.2	1097.6	1097.3	1095.7	1095.7
27.5°	1127.9	1132.0	1137.9	1144.1	1144.1	1141.7	1146.4	1150.5	1149.1	1146.9	1144.1
30°	1186.1	1189.9	1196.8	1205.3	1201.0	1199.4	1205.8	1213.1	1211.0	1207.4	1207.0
32.5°	1248.7	1252.3	1261.3	1270.6	1265.1	1262.7	1269.6	1280.3	1276.5	1269.4	1265.1
35°	1316.6	1320.2	1333.0	1344.1	1334.9	1330.8	1336.5	1348.2	1341.5	1328.2	1324.9
37.5°	1390.4	1392.3	1408.9	1420.3	1413.9	1403.2	1410.3	1418.9	1413.2	1397.0	1390.6
40°	1467.0	1473.9	1493.2	1506.4	1495.3	1478.4	1490.3	1502.2	1493.6	1473.0	1462.1
42.5°	1556.5	1561.7	1587.4	1599.2	1581.2	1557.5	1573.6	1589.7	1581.2	1561.3	1551.8
45°	1649.5	1657.6	1688.2	1700.1	1674.0	1643.8	1663.5	1691.8	1691.1	1662.4	1652.4
47.5°	1750.9	1758.9	1795.5	1811.1	1782.9	1742.6	1770.3	1810.2	1807.3	1775.8	1767.7
50°	1867.9	1876.4	1922.0	1941.7	1915.3	1868.3	1910.1	1945.2	1940.0	1901.1	1901.8
52.5°	2014.8	2014.3	2071.0	2105.2	2078.1	2036.6	2075.0	2109.2	2087.6	2033.7	2032.1
55°	2143.4	2151.2	2221.5	2286.2	2284.6	2268.7	2284.1	2285.5	2223.8	2152.2	2143.4
57.5°	2227.9	2242.8	2341.8	2459.0	2546.8	2567.9	2538.0	2447.4	2302.9	2188.2	2174.2
60°	2175.9	2198.7	2354.1	2593.1	2851.7	2975.9	2807.1	2525.9	2241.4	2081.7	2062.7
62.5°	1825.1	1863.6	2091.2	2528.3	3114.2	3477.1	3002.2	2399.9	1997.0	1777.0	1744.5
65°	1111.6	1152.1	1426.5	2081.0	3071.7	3873.8	2913.2	1992.0	1457.6	1183.9	1148.8
67.5°	370.4	382.3	543.9	1150.2	2414.2	3480.6	2418.2	1192.5	634.3	420.5	408.2
70°	145.0	146.2	172.5	333.4	1140.0	2390.7	1258.0	339.4	180.4	142.6	145.7
72.5°	106.6	107.0	114.4	139.3	297.1	1053.2	307.8	140.0	111.3	99.9	99.9
75°	85.7	85.7	90.9	101.6	133.1	241.6	135.0	100.4	87.1	79.7	78.8
77.5°	67.6	69.1	73.1	80.0	90.2	116.3	93.5	79.5	70.2	63.4	61.9
80°	50.3	51.7	58.4	61.7	64.8	80.7	69.1	62.2	55.5	47.5	46.0
82.5°	33.0	34.4	42.7	44.6	43.9	52.7	46.5	45.8	40.8	30.6	29.2
85°	21.6	22.1	28.5	29.7	27.3	24.0	29.7	31.3	28.5	19.9	19.2
87.5°	10.2	10.2	14.5	13.5	12.3	10.0	13.5	15.9	16.1	9.7	9.5
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)