

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: P386127

Luminaire Tested: GAW-SA1D-730-U-5NQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386127
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-730-U-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7784 lumens
Efficiency: N/A
Efficacy: 116.2 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

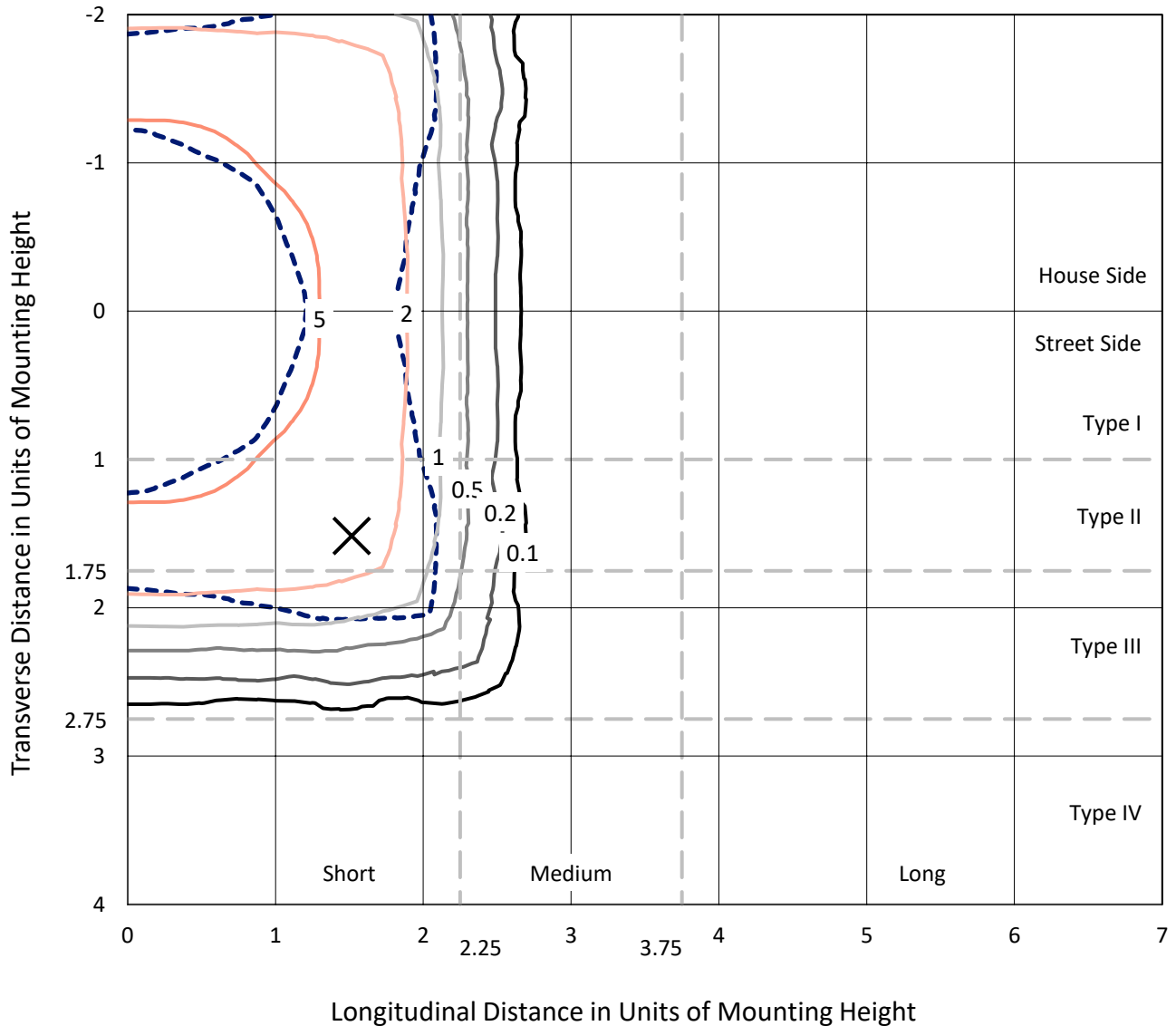
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

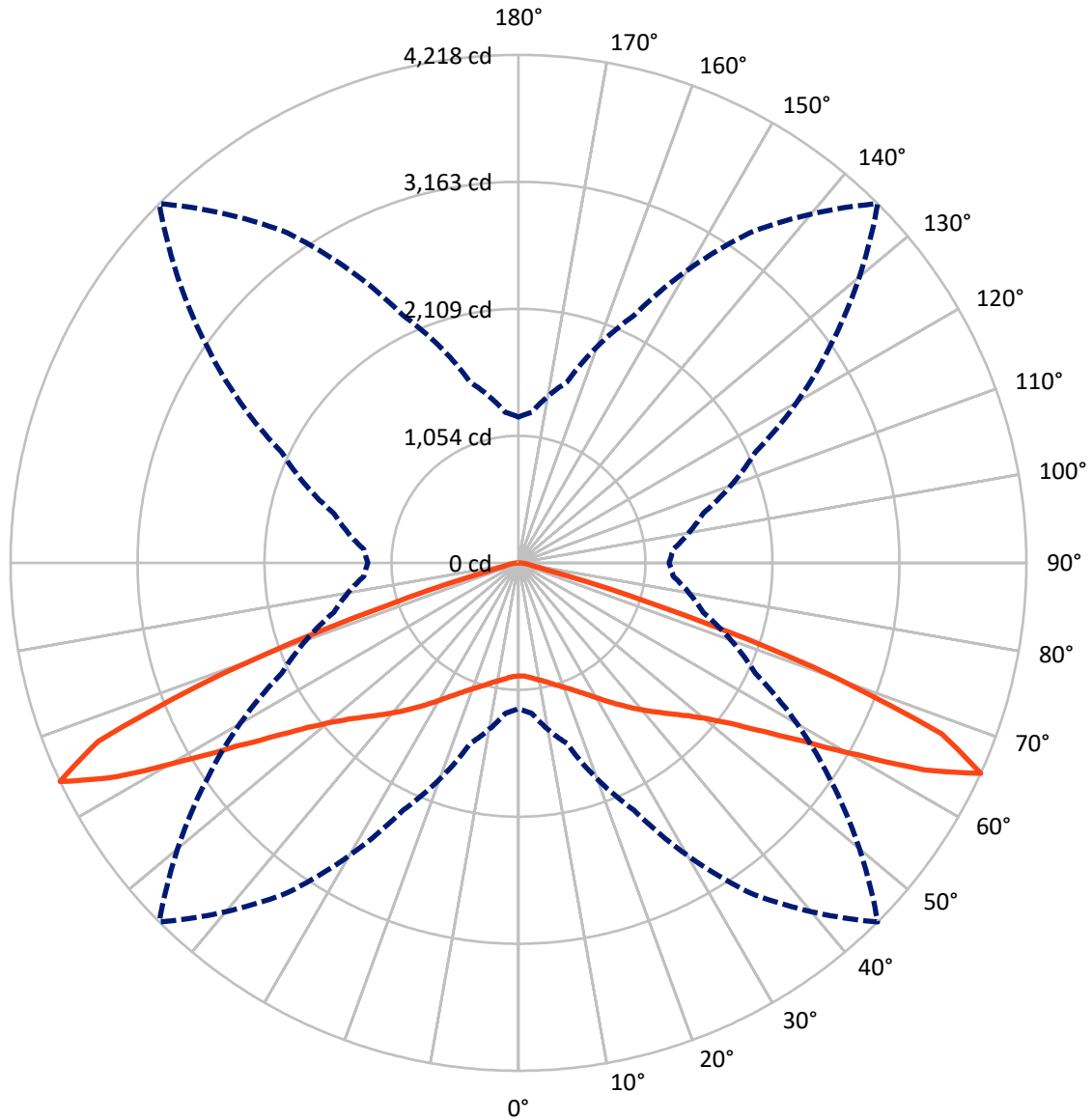
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 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	3892.0	0.0	3892.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3892.0	0.0	3892.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7784.0	0.0	7784.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.2	1.2
10°-20°	296.4	3.8
20°-30°	556.2	7.1
30°-40°	919.8	11.8
40°-50°	1424.7	18.3
50°-60°	2185.1	28.1
60°-70°	2038.9	26.2
70°-80°	237.3	3.0
80°-90°	33.3	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°	7784.0	100.0
0°-180°	7784.0	100.0

Coefficient of Utilization



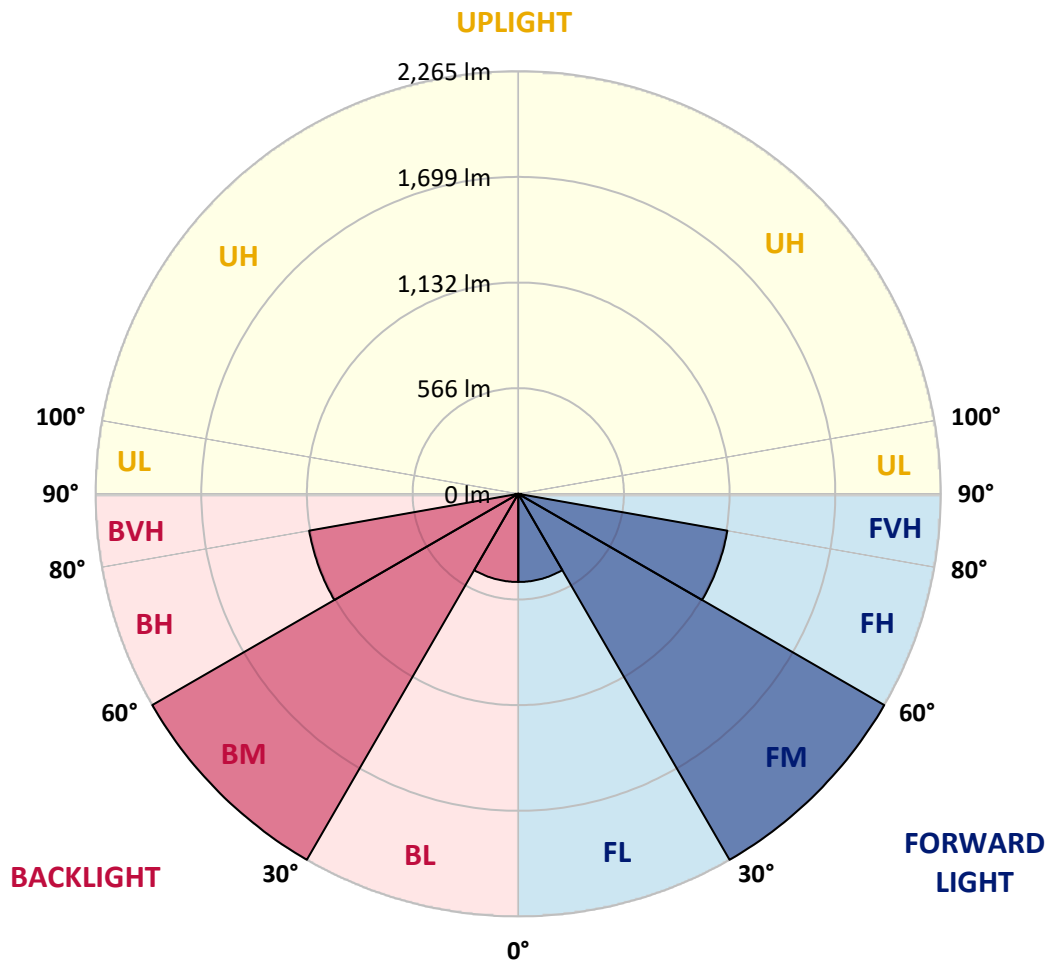
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.4	6.1			
FM (30°-60°)	2264.8	29.1			
FH (60°-80°)	1138.1	14.6			G1/1800
FVH (80°-90°)	16.7	0.2			G1/100
BL (0°-30°)	472.4	6.1	B1/500		
BM (30°-60°)	2264.8	29.1	B2/2500		
BH (60°-80°)	1138.1	14.6	B3/2500		G1/1800
BVH (80°-90°)	16.7	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°	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0	940.0
2.5°	943.1	942.6	943.1	943.4	941.8	942.6	942.3	943.6	944.2	943.6	943.6
5°	954.0	953.2	954.2	955.5	953.5	954.0	953.2	954.7	955.3	954.2	955.0
7.5°	969.0	969.2	970.2	972.6	971.3	972.3	970.8	971.0	970.8	969.2	969.5
10°	985.2	985.5	987.3	990.4	990.9	990.9	989.9	989.1	988.1	987.0	987.3
12.5°	1004.9	1006.2	1007.5	1011.3	1011.3	1013.4	1012.9	1010.8	1009.0	1007.5	1007.5
15°	1031.5	1031.2	1032.8	1036.7	1038.5	1041.8	1041.8	1039.0	1036.7	1035.1	1034.6
17.5°	1059.4	1060.2	1061.2	1065.9	1068.7	1072.6	1073.1	1070.8	1069.2	1067.1	1065.9
20°	1091.9	1093.2	1097.4	1099.2	1101.8	1105.4	1106.7	1106.2	1104.6	1103.6	1103.8
22.5°	1129.9	1133.3	1135.9	1138.5	1141.6	1144.1	1145.4	1147.2	1145.7	1144.9	1144.4
25°	1175.9	1178.3	1183.4	1188.1	1190.1	1190.9	1192.5	1195.0	1194.8	1193.0	1193.0
27.5°	1228.1	1232.5	1239.0	1245.7	1245.7	1243.1	1248.3	1252.7	1251.1	1248.8	1245.7
30°	1291.4	1295.6	1303.1	1312.4	1307.7	1305.9	1312.9	1320.9	1318.6	1314.7	1314.2
32.5°	1359.6	1363.5	1373.3	1383.4	1377.5	1374.9	1382.4	1394.0	1389.9	1382.1	1377.5
35°	1433.5	1437.4	1451.4	1463.5	1453.4	1449.0	1455.2	1467.9	1460.7	1446.2	1442.6
37.5°	1513.9	1516.0	1534.1	1546.5	1539.5	1527.8	1535.6	1544.9	1538.7	1521.1	1514.2
40°	1597.4	1604.8	1625.8	1640.2	1628.1	1609.8	1622.7	1635.6	1626.3	1603.8	1591.9
42.5°	1694.8	1700.5	1728.4	1741.3	1721.6	1695.8	1713.4	1730.9	1721.6	1699.9	1689.6
45°	1796.1	1804.8	1838.2	1851.1	1822.7	1789.9	1811.3	1842.1	1841.3	1810.0	1799.2
47.5°	1906.4	1915.2	1955.0	1972.0	1941.3	1897.3	1927.6	1971.0	1967.9	1933.5	1924.7
50°	2033.8	2043.1	2092.7	2114.1	2085.5	2034.3	2079.8	2118.0	2112.3	2069.9	2070.7
52.5°	2193.7	2193.2	2255.0	2292.2	2262.7	2217.5	2259.3	2296.6	2273.0	2214.4	2212.6
55°	2333.8	2342.3	2418.8	2489.3	2487.5	2470.2	2487.0	2488.5	2421.4	2343.3	2333.8
57.5°	2425.7	2442.0	2549.8	2677.4	2773.0	2796.0	2763.5	2664.8	2507.4	2382.6	2367.4
60°	2369.2	2394.0	2563.2	2823.4	3105.1	3240.2	3056.5	2750.3	2440.5	2266.6	2245.9
62.5°	1987.3	2029.1	2276.9	2752.9	3390.8	3785.9	3268.9	2613.1	2174.3	1934.8	1899.4
65°	1210.3	1254.5	1553.2	2265.8	3344.6	4217.9	3172.0	2168.9	1587.0	1289.1	1250.9
67.5°	403.3	416.3	592.2	1252.4	2628.6	3789.8	2633.0	1298.4	690.7	457.9	444.4
70°	157.9	159.2	187.8	363.0	1241.3	2603.0	1369.7	369.5	196.4	155.3	158.7
72.5°	116.0	116.5	124.5	151.7	323.5	1146.7	335.1	152.4	121.2	108.8	108.8
75°	93.3	93.3	99.0	110.6	145.0	263.0	147.0	109.3	94.8	86.8	85.8
77.5°	73.6	75.2	79.6	87.1	98.2	126.6	101.8	86.6	76.5	69.0	67.4
80°	54.8	56.3	63.6	67.2	70.5	87.9	75.2	67.7	60.5	51.7	50.1
82.5°	35.9	37.5	46.5	48.6	47.8	57.4	50.6	49.9	44.4	33.3	31.8
85°	23.5	24.0	31.0	32.3	29.7	26.1	32.3	34.1	31.0	21.7	20.9
87.5°	11.1	11.1	15.8	14.7	13.4	10.9	14.7	17.3	17.6	10.6	10.3
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)