

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: P386126

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386126
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1D-730-U-5MQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7927 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

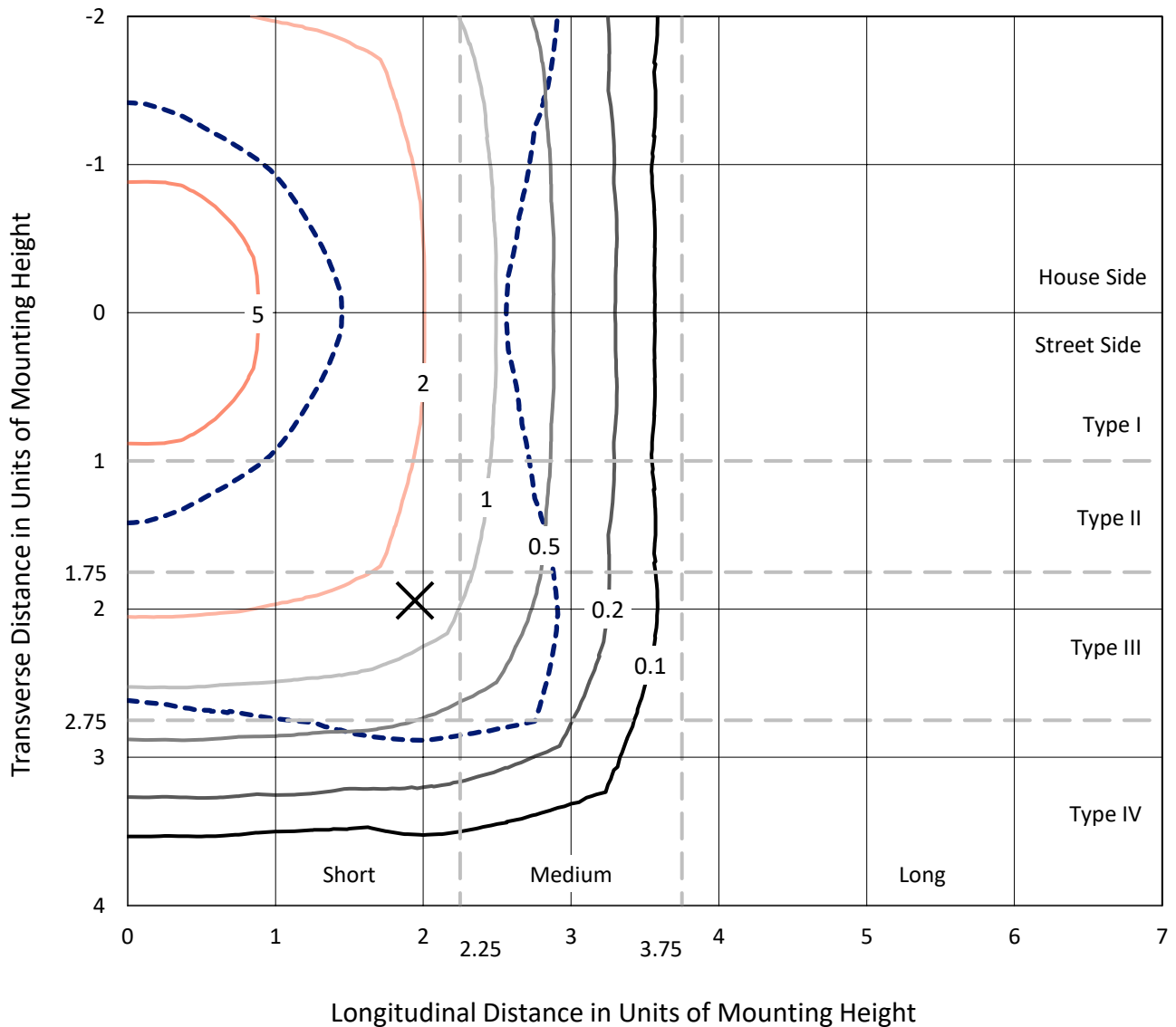
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

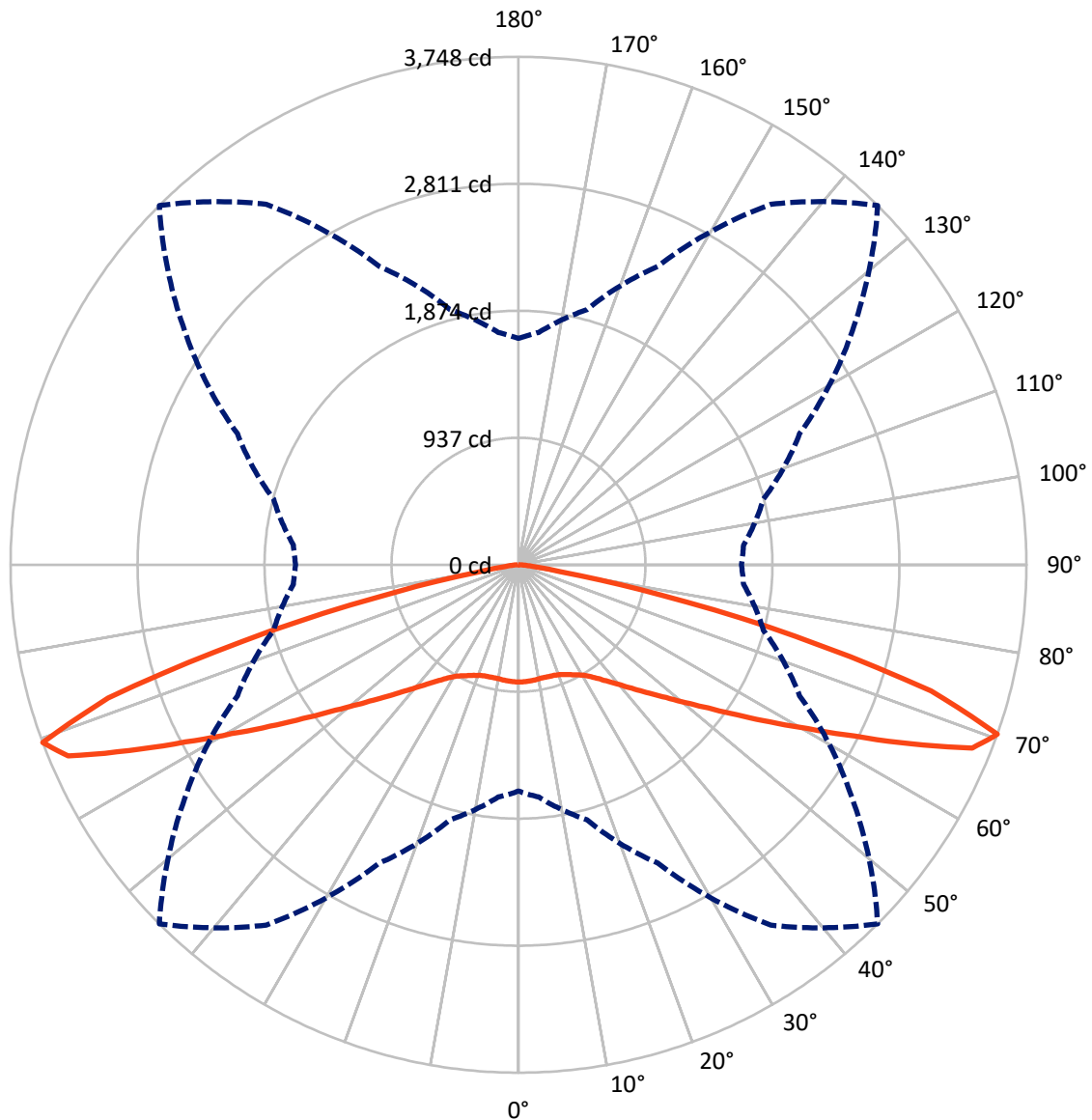
✕ Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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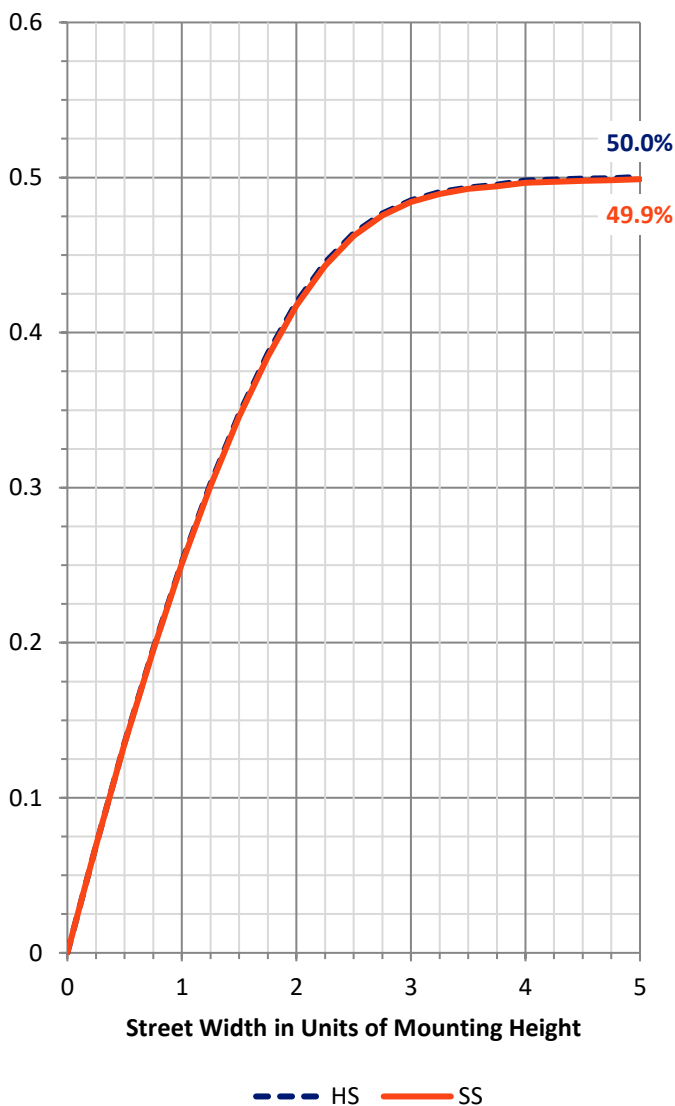
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3963.5	0.0	3963.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3963.5	0.0	3963.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7927.0	0.0	7927.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	1.0
10°-20°	240.7	3.0
20°-30°	409.8	5.2
30°-40°	649.9	8.2
40°-50°	1057.6	13.3
50°-60°	1743.8	22.0
60°-70°	2559.9	32.3
70°-80°	1132.0	14.3
80°-90°	51.3	0.6
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°	7927.0	100.0
0°-180°	7927.0	100.0

Coefficient of Utilization



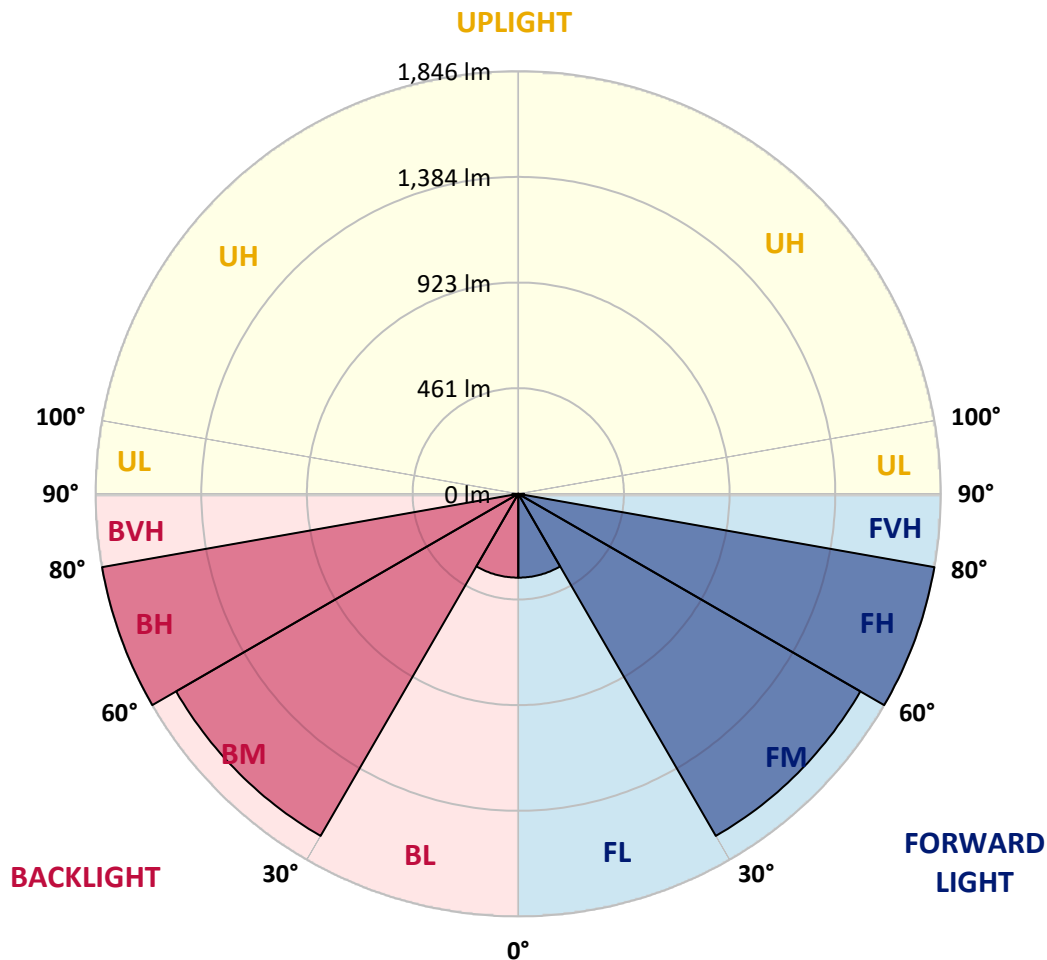
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	366.2	4.6			
FM (30°-60°)	1725.7	21.8			
FH (60°-80°)	1846.0	23.3			G2/5000
FVH (80°-90°)	25.6	0.3			G1/100
BL (0°-30°)	366.2	4.6	B1/500		
BM (30°-60°)	1725.7	21.8	B2/2500		
BH (60°-80°)	1846.0	23.3	B3/2500		G2/5000
BVH (80°-90°)	25.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	865.8	865.8	865.8	865.8	865.8	865.8	865.8	865.8	865.8	865.8	865.8
2.5°	864.4	863.7	865.5	865.2	863.7	863.9	863.9	864.7	864.7	864.2	864.2
5°	861.3	860.8	862.9	862.9	861.3	861.8	862.3	863.1	862.9	862.3	862.1
7.5°	857.4	857.1	859.2	859.2	858.1	858.7	858.1	858.4	857.9	857.4	856.6
10°	850.8	851.3	853.2	853.7	853.7	853.9	853.4	852.1	851.3	850.5	849.7
12.5°	844.8	844.5	847.1	848.4	850.5	852.9	851.3	847.6	846.1	844.5	844.0
15°	840.8	841.1	843.7	846.1	849.7	854.7	852.9	847.1	844.0	842.1	841.6
17.5°	840.0	840.6	844.0	848.2	852.1	857.6	856.6	850.8	845.6	842.1	841.4
20°	841.9	842.1	847.4	853.4	860.2	865.5	863.1	856.8	849.7	844.5	843.2
22.5°	845.3	846.3	852.9	862.3	872.8	879.9	877.0	866.3	855.3	848.7	846.9
25°	856.0	856.3	865.2	878.1	890.7	898.8	895.4	880.2	866.0	858.7	856.3
27.5°	878.3	879.1	888.1	903.0	913.8	919.0	916.9	904.6	892.5	884.6	885.4
30°	910.6	911.7	921.6	938.2	944.7	946.0	945.5	939.7	928.7	918.2	919.0
32.5°	950.0	950.5	963.9	978.8	984.1	985.1	984.1	978.8	965.7	951.5	952.3
35°	1000.6	1002.2	1015.0	1029.5	1033.7	1035.8	1033.9	1027.1	1013.5	999.5	999.0
37.5°	1063.0	1063.3	1076.7	1091.6	1096.9	1097.4	1095.3	1090.8	1073.8	1061.2	1060.4
40°	1135.4	1136.5	1152.2	1168.2	1170.3	1168.0	1170.9	1168.2	1150.7	1136.2	1138.6
42.5°	1223.6	1226.0	1244.8	1260.6	1254.6	1253.2	1255.1	1255.9	1241.7	1224.1	1222.5
45°	1326.2	1328.3	1351.9	1364.5	1360.5	1351.9	1355.6	1361.9	1342.2	1320.4	1322.5
47.5°	1443.2	1448.4	1473.6	1485.4	1475.7	1463.9	1471.0	1480.4	1457.3	1430.3	1429.0
50°	1573.3	1579.9	1613.4	1630.0	1620.3	1598.5	1610.3	1616.6	1583.3	1548.4	1545.5
52.5°	1712.1	1718.6	1760.9	1795.0	1788.7	1754.9	1771.4	1764.8	1726.5	1679.6	1675.9
55°	1869.2	1871.9	1917.5	1972.6	1978.9	1954.0	1952.9	1942.2	1885.5	1831.2	1828.6
57.5°	2030.8	2032.7	2091.7	2156.8	2186.4	2186.4	2157.0	2134.2	2058.9	1996.0	1989.4
60°	2205.3	2211.9	2277.2	2365.6	2434.9	2455.3	2403.4	2341.2	2259.3	2182.5	2174.9
62.5°	2360.6	2368.2	2468.2	2599.9	2711.1	2785.6	2658.6	2557.4	2408.4	2285.1	2270.6
65°	2380.3	2400.8	2546.4	2784.8	3033.8	3182.6	2939.1	2689.6	2418.1	2246.8	2232.1
67.5°	2173.8	2208.5	2405.2	2776.4	3290.9	3610.2	3118.3	2614.0	2243.9	2054.5	2038.2
70°	1670.4	1720.7	1947.7	2428.6	3246.6	3747.9	3006.0	2288.5	1870.8	1667.0	1644.1
72.5°	916.4	937.1	1141.2	1663.0	2602.8	3184.9	2507.3	1692.2	1240.6	1009.5	971.2
75°	290.7	298.0	401.9	680.5	1472.3	2109.5	1592.7	830.6	457.3	337.1	333.2
77.5°	129.1	129.9	145.3	198.6	507.1	1068.8	609.2	226.1	155.8	136.2	140.6
80°	81.6	81.6	90.0	98.4	138.0	310.4	164.8	107.6	91.8	85.3	87.1
82.5°	39.1	43.3	58.5	63.0	75.8	104.4	84.5	70.3	61.4	45.6	42.5
85°	25.7	21.5	37.0	41.7	44.1	50.1	49.1	46.4	40.1	22.8	25.4
87.5°	11.5	11.0	19.2	17.6	16.5	12.6	18.9	23.3	22.6	11.3	11.3
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)