

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: P387139

Luminaire Tested: GAW-SA2D-827-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P387139
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-SA2D-827-U-RW
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12168 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

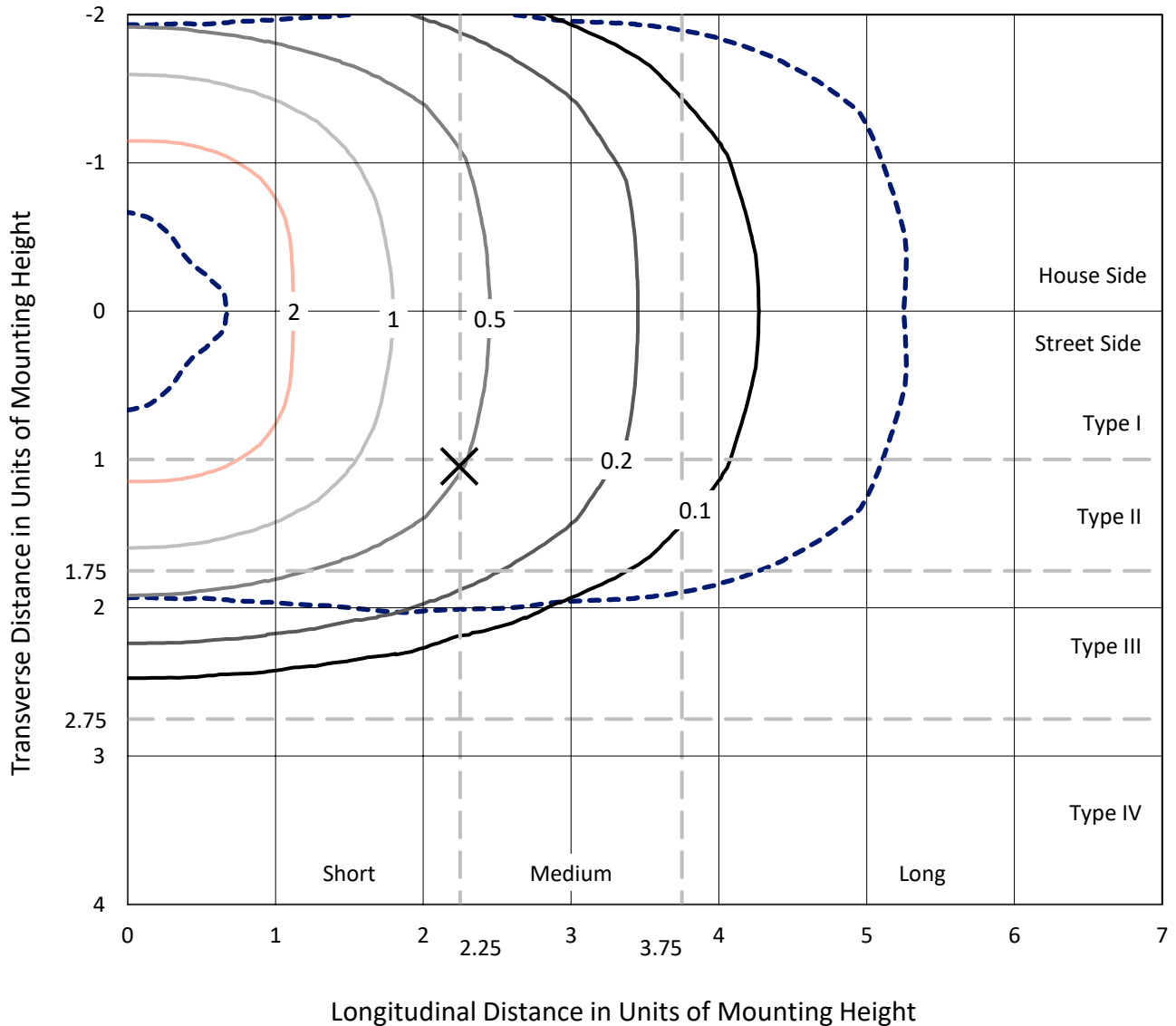
Input Watts (W): 128
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

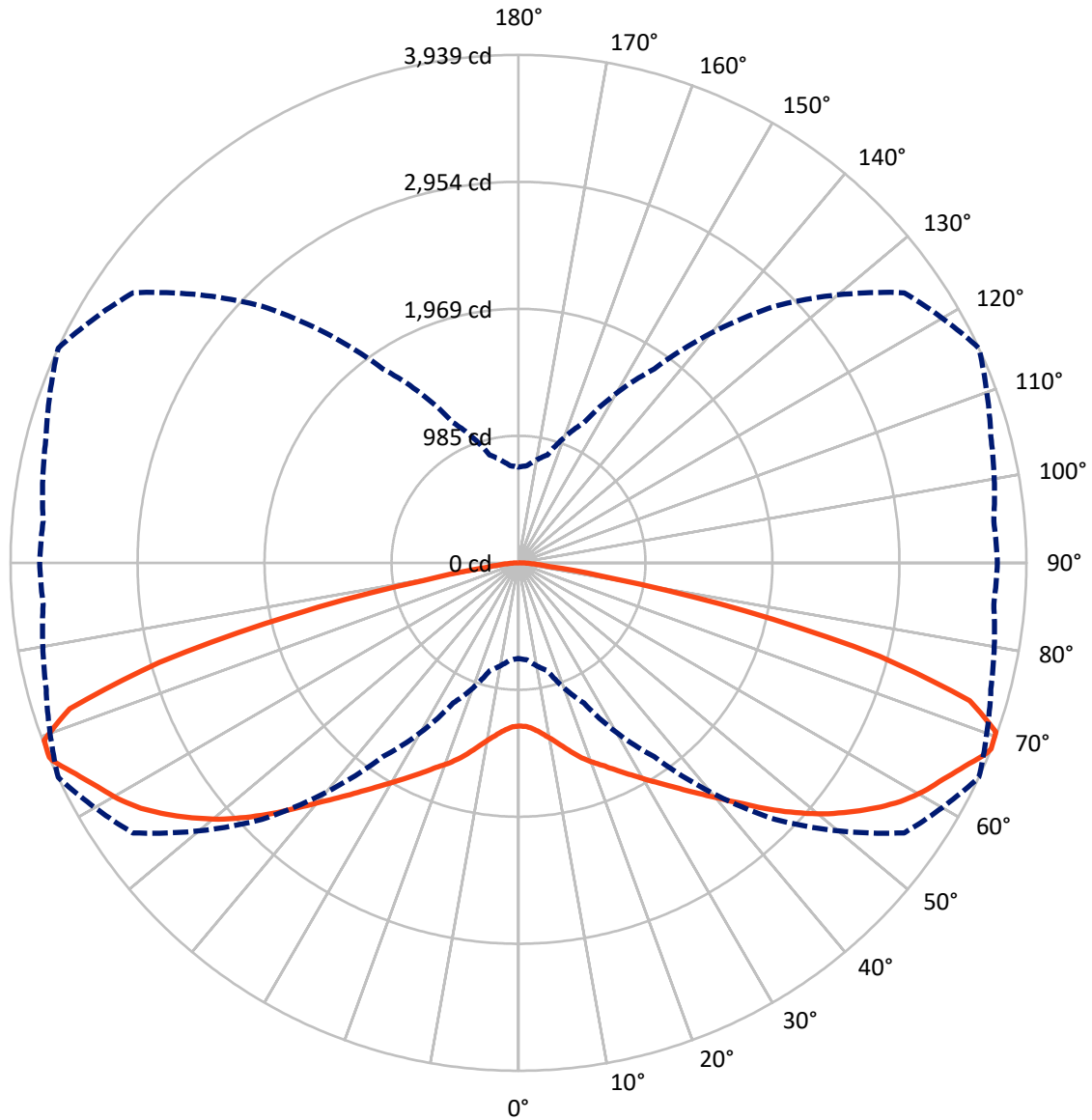
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.6 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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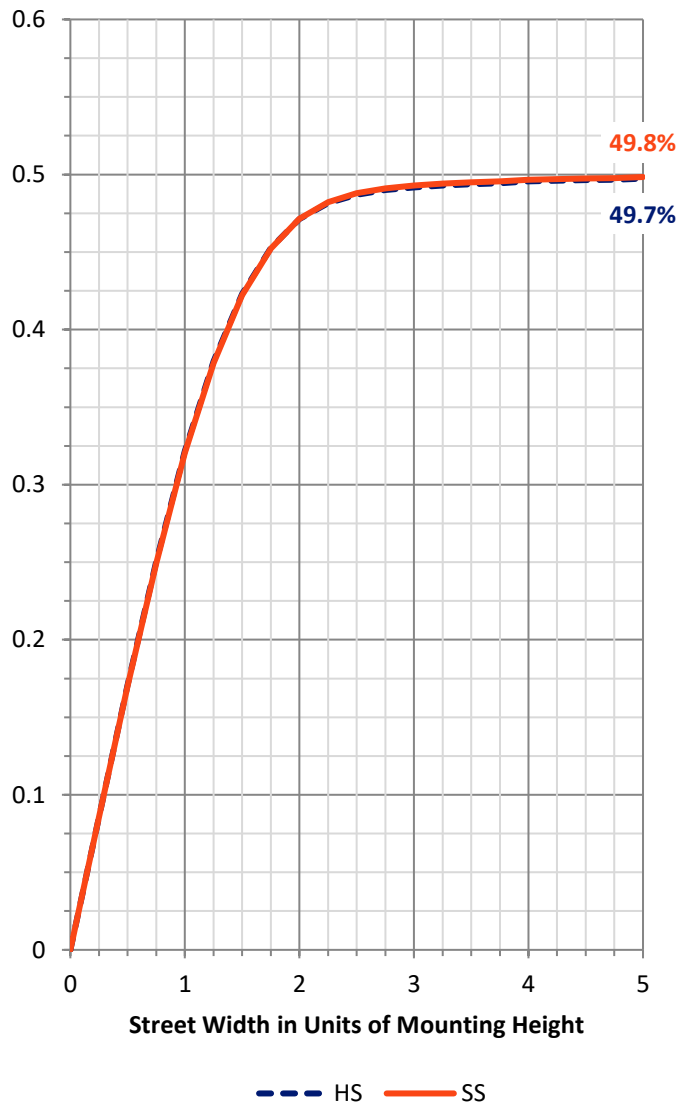
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6084.0	0.0	6084.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6084.0	0.0	6084.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12168.0	0.0	12168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	1.0
10°-20°	414.8	3.4
20°-30°	808.7	6.6
30°-40°	1358.5	11.2
40°-50°	2140.6	17.6
50°-60°	2862.7	23.5
60°-70°	2782.9	22.9
70°-80°	1521.3	12.5
80°-90°	154.7	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°	12168.0	100.0
0°-180°	12168.0	100.0

Coefficient of Utilization



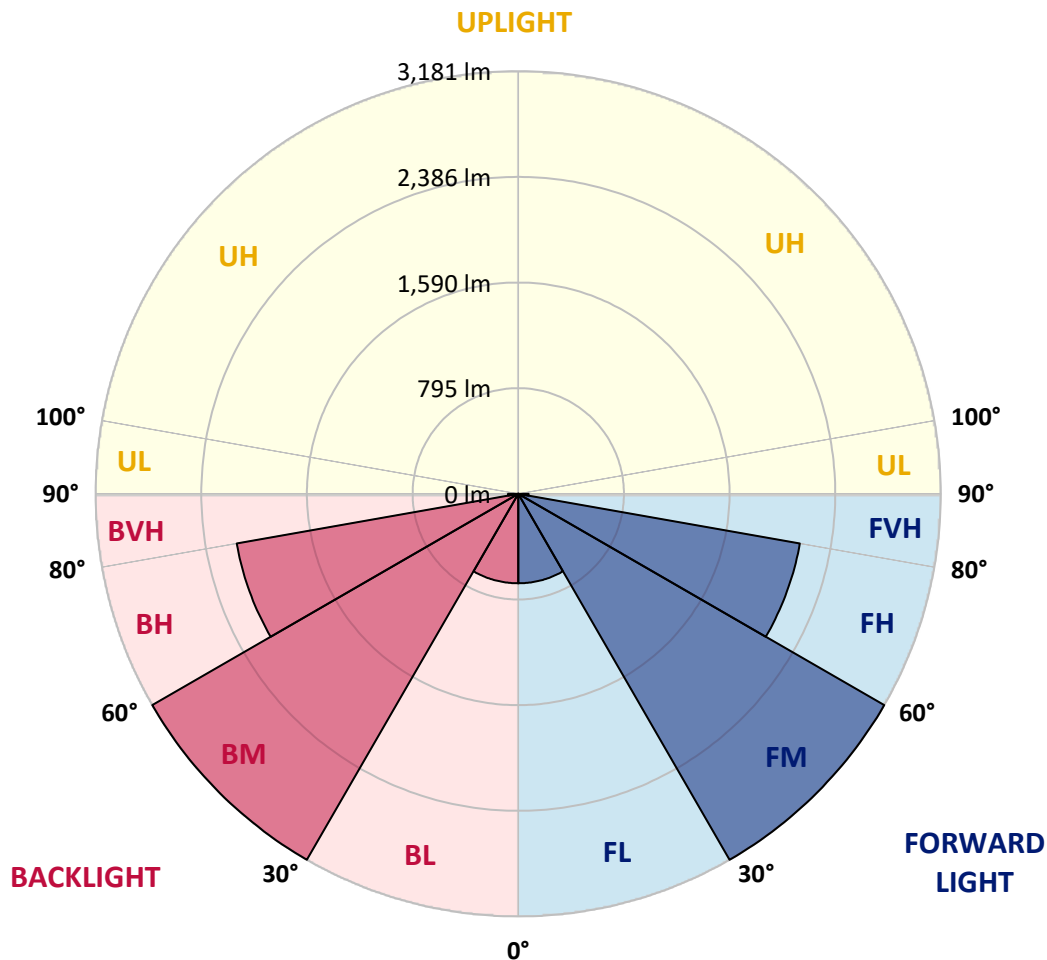
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	673.7	5.5			
FM (30°-60°)	3180.9	26.1			
FH (60°-80°)	2152.1	17.7			G2/5000
FVH (80°-90°)	77.4	0.6			G1/100
BL (0°-30°)	673.7	5.5	B2/1000		
BM (30°-60°)	3180.9	26.1	B3/5000		
BH (60°-80°)	2152.1	17.7	B3/2500		G3/2500
BVH (80°-90°)	77.4	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°	1265.2	1265.2	1265.2	1265.2	1265.2	1265.2	1265.2	1265.2	1265.2	1265.2	1265.2
2.5°	1256.2	1256.6	1258.7	1261.1	1263.1	1268.4	1269.7	1271.7	1272.5	1274.6	1274.6
5°	1245.2	1246.0	1250.9	1257.4	1264.8	1277.8	1287.2	1297.8	1303.1	1308.8	1308.4
7.5°	1244.0	1246.0	1252.9	1263.6	1275.8	1297.4	1317.0	1338.2	1352.5	1365.6	1364.7
10°	1256.6	1259.9	1269.7	1285.6	1303.9	1330.9	1359.8	1388.4	1413.3	1433.3	1434.1
12.5°	1275.8	1279.9	1295.4	1319.4	1347.2	1381.9	1416.1	1448.4	1482.6	1512.4	1514.9
15°	1301.1	1306.4	1329.6	1365.6	1408.0	1449.2	1485.9	1519.0	1558.5	1599.7	1603.8
17.5°	1338.6	1346.0	1376.6	1425.1	1481.0	1526.3	1564.7	1589.5	1622.6	1665.0	1672.8
20°	1395.7	1405.1	1443.9	1501.8	1570.0	1617.3	1646.7	1652.0	1668.3	1706.2	1715.2
22.5°	1470.0	1478.2	1521.4	1590.4	1666.7	1718.1	1733.6	1712.3	1710.7	1741.3	1749.9
25°	1552.8	1560.2	1610.3	1687.9	1769.9	1826.6	1826.2	1785.0	1756.4	1780.1	1789.0
27.5°	1645.8	1657.3	1705.4	1787.0	1874.7	1930.6	1927.4	1863.7	1809.4	1815.6	1823.3
30°	1752.7	1765.4	1812.3	1895.1	1982.8	2037.5	2033.4	1949.4	1867.8	1851.5	1857.2
32.5°	1885.3	1900.4	1944.9	2026.5	2104.0	2153.4	2141.6	2042.4	1938.0	1902.5	1907.8
35°	2044.9	2053.8	2100.8	2181.1	2244.0	2277.8	2252.9	2150.1	2026.9	1984.1	1984.1
37.5°	2206.4	2213.4	2266.0	2343.9	2404.7	2422.7	2374.1	2268.0	2143.2	2082.4	2083.6
40°	2361.5	2380.2	2439.4	2519.4	2579.3	2584.2	2519.8	2402.7	2272.5	2209.7	2217.0
42.5°	2523.4	2541.8	2612.4	2703.0	2756.0	2764.2	2688.7	2553.6	2418.6	2367.6	2375.7
45°	2667.9	2682.6	2764.2	2869.4	2935.5	2956.7	2867.4	2726.6	2576.5	2526.7	2528.7
47.5°	2768.6	2787.8	2877.6	3001.6	3097.9	3130.5	3042.8	2895.1	2731.9	2671.5	2676.8
50°	2860.0	2870.2	2961.2	3096.7	3219.1	3286.4	3211.3	3061.6	2889.0	2824.9	2830.7
52.5°	2911.0	2924.1	3012.2	3153.4	3298.2	3406.7	3361.0	3211.3	3040.8	2978.3	2985.3
55°	2875.5	2885.3	2991.0	3166.0	3347.2	3481.0	3487.9	3357.8	3189.7	3135.0	3154.6
57.5°	2714.0	2726.2	2855.1	3084.4	3353.3	3531.2	3583.4	3493.6	3328.8	3284.3	3295.8
60°	2461.4	2469.2	2606.7	2864.5	3234.2	3552.0	3644.2	3604.6	3465.1	3420.6	3436.1
62.5°	2011.4	2022.8	2187.2	2532.8	2982.4	3490.4	3702.9	3696.4	3592.0	3551.2	3565.0
65°	1374.9	1394.9	1576.9	2013.9	2594.4	3301.9	3756.4	3803.3	3704.2	3652.8	3671.1
67.5°	830.3	845.0	976.7	1329.6	1985.3	2921.6	3701.3	3924.9	3783.3	3700.5	3715.6
68°	742.1	755.6	865.8	1199.9	1836.4	2814.3	3651.1	3938.8	3791.9	3699.7	3713.1
70°	448.4	457.4	531.2	741.7	1224.4	2232.5	3308.8	3927.3	3846.6	3711.1	3718.9
72.5°	292.1	295.0	307.2	380.7	625.5	1248.5	2483.5	3659.7	3928.6	3777.6	3776.4
75°	242.8	241.1	242.3	250.9	308.4	547.5	1451.2	2891.0	3745.0	3672.8	3647.0
77.5°	205.2	204.0	203.6	204.0	206.4	264.4	629.9	1800.9	2865.7	3248.8	3271.7
80°	166.1	164.4	169.7	167.3	159.9	164.4	264.0	749.1	1350.9	1453.3	1361.9
82.5°	120.8	114.6	137.5	131.0	124.8	115.9	145.7	241.9	322.3	221.1	155.4
85°	93.0	86.5	104.4	100.4	85.7	59.2	86.5	118.3	130.6	74.7	58.8
87.5°	37.9	40.0	75.5	59.6	50.2	28.6	35.5	47.3	63.6	31.8	24.5
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)