

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: P386240

Luminaire Tested: GAW-SA1D-827-U-5WQ

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386240  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA1D-827-U-5WQ  
Description: GALLEON WALL LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6416 lumens  
Efficiency: N/A  
Efficacy: 97.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

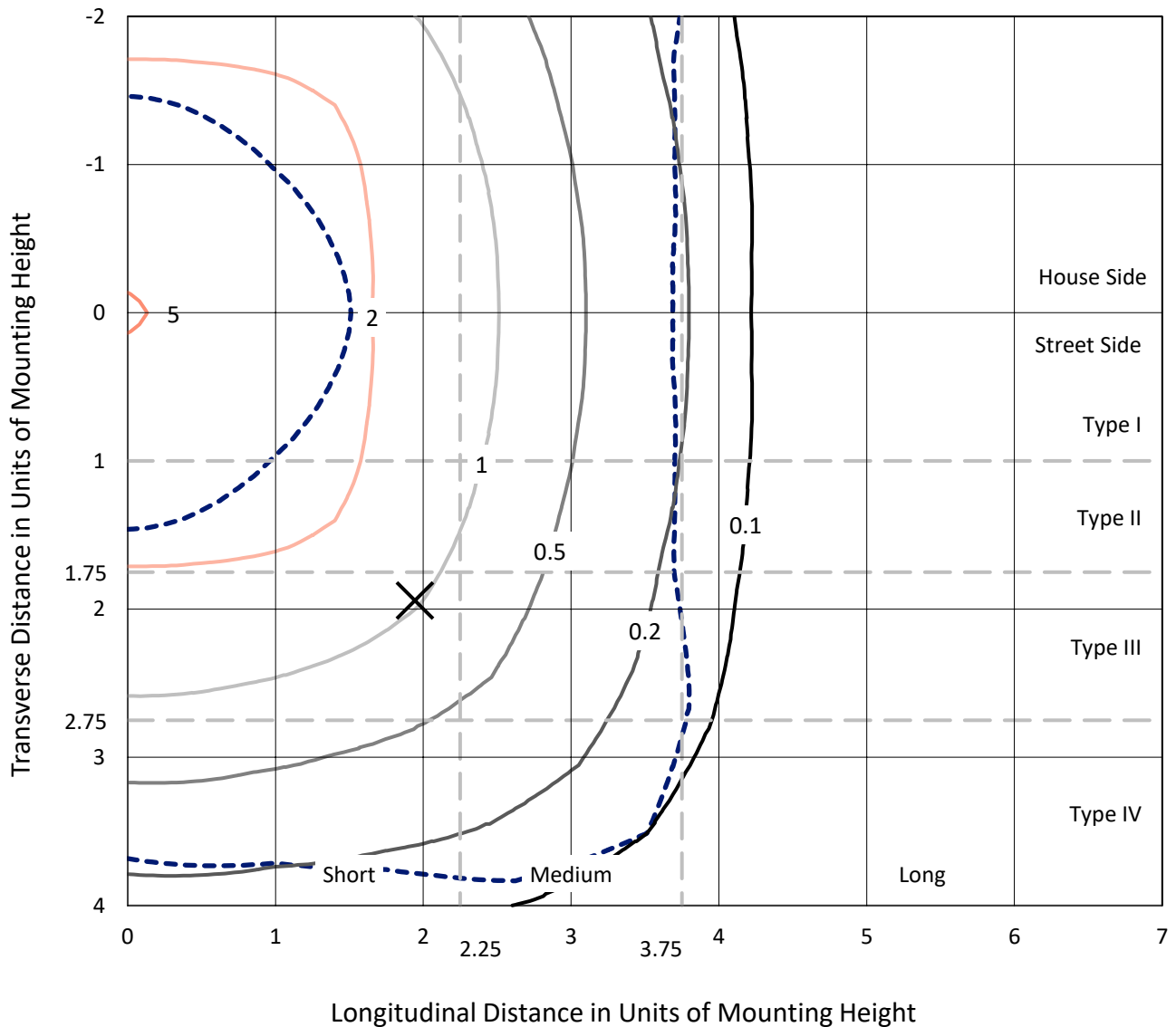
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

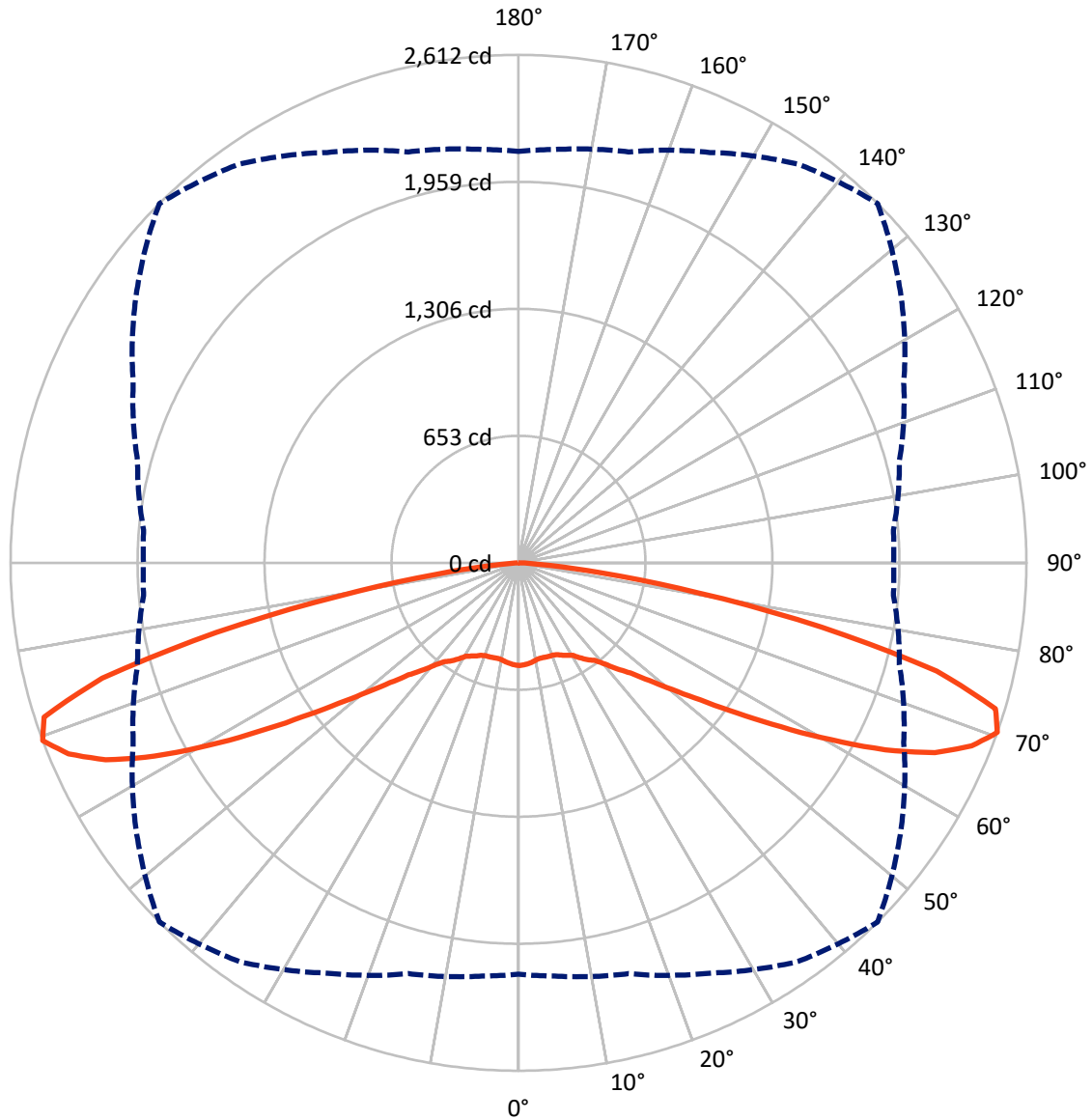
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 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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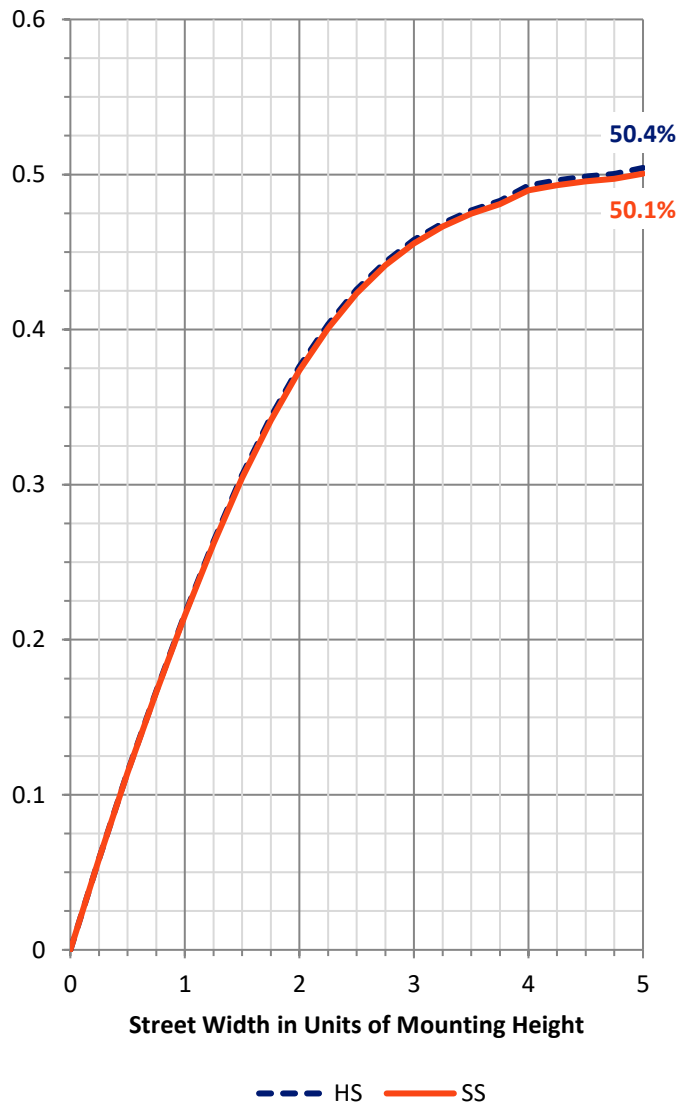
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3208.0	0.0	3208.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3208.0	0.0	3208.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6416.0	0.0	6416.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.3	0.8
10°-20°	144.0	2.2
20°-30°	245.4	3.8
30°-40°	383.5	6.0
40°-50°	650.0	10.1
50°-60°	1185.3	18.5
60°-70°	2040.5	31.8
70°-80°	1599.4	24.9
80°-90°	118.6	1.8
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°	6416.0	100.0
0°-180°	6416.0	100.0

**Coefficient of Utilization**



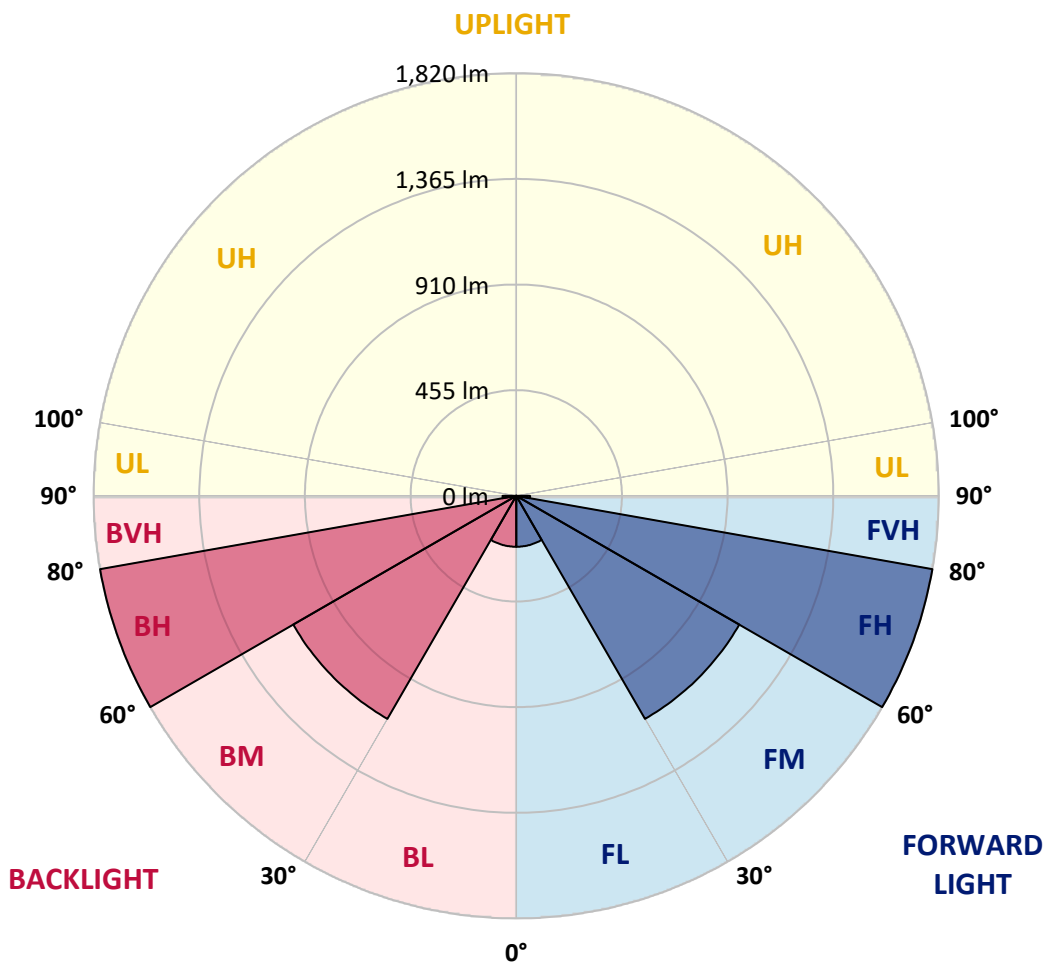
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.3	3.4			
FM (30°-60°)	1109.4	17.3			
FH (60°-80°)	1820.0	28.4			G2/5000
FVH (80°-90°)	59.3	0.9			G1/100
BL (0°-30°)	219.3	3.4	B1/500		
BM (30°-60°)	1109.4	17.3	B2/2500		
BH (60°-80°)	1820.0	28.4	B3/2500		G2/5000
BVH (80°-90°)	59.3	0.9			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°	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0
2.5°	525.7	526.3	525.7	526.1	525.1	525.5	525.5	525.5	525.3	525.5	525.1
5°	521.0	521.5	520.6	521.0	520.4	521.0	521.2	521.0	520.6	520.8	520.0
7.5°	514.0	514.5	513.8	514.5	513.6	514.7	514.5	513.8	513.2	513.2	512.3
10°	510.2	510.4	508.7	508.1	506.2	506.6	507.2	507.9	508.5	509.8	509.6
12.5°	510.4	510.4	507.9	505.1	502.4	503.0	504.1	506.4	508.9	511.3	511.5
15°	512.5	512.3	508.5	504.1	502.1	504.1	504.7	506.2	510.2	514.2	514.5
17.5°	514.0	514.0	508.1	503.0	502.8	505.8	505.5	506.2	510.6	516.6	516.8
20°	516.8	516.8	509.1	503.6	503.6	506.8	507.0	508.1	512.5	519.1	520.2
22.5°	522.9	523.2	515.1	510.6	511.1	513.0	513.6	515.3	519.3	526.6	527.8
25°	531.6	532.1	523.8	521.2	522.7	526.3	525.9	527.2	531.6	538.6	539.9
27.5°	543.7	542.7	535.0	534.0	535.5	538.0	537.8	538.0	541.6	548.0	549.5
30°	559.4	559.0	553.5	554.1	553.5	552.7	552.9	554.6	556.5	561.6	563.1
32.5°	574.7	575.2	571.8	574.9	579.6	582.8	577.9	573.2	571.1	573.9	575.2
35°	602.3	603.4	598.1	596.0	602.3	611.7	597.9	590.2	594.5	598.1	599.1
37.5°	649.2	649.9	640.9	632.5	627.8	636.7	622.9	623.5	638.4	645.2	645.0
40°	702.7	702.9	697.0	689.5	681.5	683.6	678.1	679.8	689.5	695.7	697.4
42.5°	766.4	765.7	756.4	745.8	743.5	745.6	736.2	735.0	746.2	757.3	757.5
45°	848.9	847.4	835.4	823.7	812.4	807.8	805.4	811.6	827.1	837.3	837.5
47.5°	937.9	933.8	927.5	918.1	908.4	903.7	899.9	902.8	914.1	918.1	918.5
50°	1029.3	1030.2	1031.5	1027.8	1024.2	1022.8	1012.8	1007.0	1010.4	1003.0	1002.0
52.5°	1137.8	1139.5	1151.8	1162.2	1168.3	1171.5	1152.6	1132.9	1121.9	1107.4	1103.2
55°	1265.8	1268.5	1286.6	1315.4	1345.1	1360.8	1326.7	1289.7	1255.6	1228.6	1219.9
57.5°	1408.4	1413.3	1438.1	1493.5	1554.4	1591.5	1533.8	1466.7	1400.7	1361.9	1355.1
60°	1575.6	1580.3	1614.7	1694.1	1792.7	1848.6	1761.1	1651.4	1569.3	1532.1	1519.6
62.5°	1774.7	1775.1	1817.4	1910.1	2040.4	2118.1	1999.7	1853.0	1768.3	1723.6	1711.5
65°	1988.8	1989.9	2033.6	2133.8	2268.6	2353.0	2219.3	2066.5	1963.0	1896.9	1887.6
67.5°	2140.2	2144.6	2190.7	2311.2	2437.3	2513.5	2375.1	2202.4	2082.7	2003.9	1996.1
70°	2116.0	2133.4	2187.5	2328.2	2503.5	2612.2	2400.4	2186.2	2028.3	1935.4	1928.8
72.5°	1845.4	1878.7	1950.9	2135.5	2415.9	2565.5	2262.6	1958.1	1779.4	1700.2	1688.3
75°	1256.6	1310.8	1419.6	1686.0	2064.0	2221.2	1904.8	1561.2	1393.1	1283.6	1275.5
77.5°	560.3	572.6	710.6	1017.2	1424.3	1595.1	1384.0	1021.3	766.6	611.4	578.8
80°	156.2	158.1	211.0	378.8	712.9	937.2	765.3	397.9	223.7	157.7	148.6
82.5°	49.7	53.9	65.8	98.3	239.6	427.7	246.0	106.1	75.6	60.3	54.3
85°	24.2	24.0	33.3	39.9	61.1	94.7	65.2	49.2	43.1	28.7	25.9
87.5°	10.2	10.4	15.5	14.0	17.8	15.3	21.0	22.1	23.1	12.7	11.0
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)