

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: P386380

Luminaire Tested: GAW-SA2A-735-U-5WQ

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386380  
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-SA2A-735-U-5WQ  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9623.2 lumens  
Efficiency: N/A  
Efficacy: 145.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

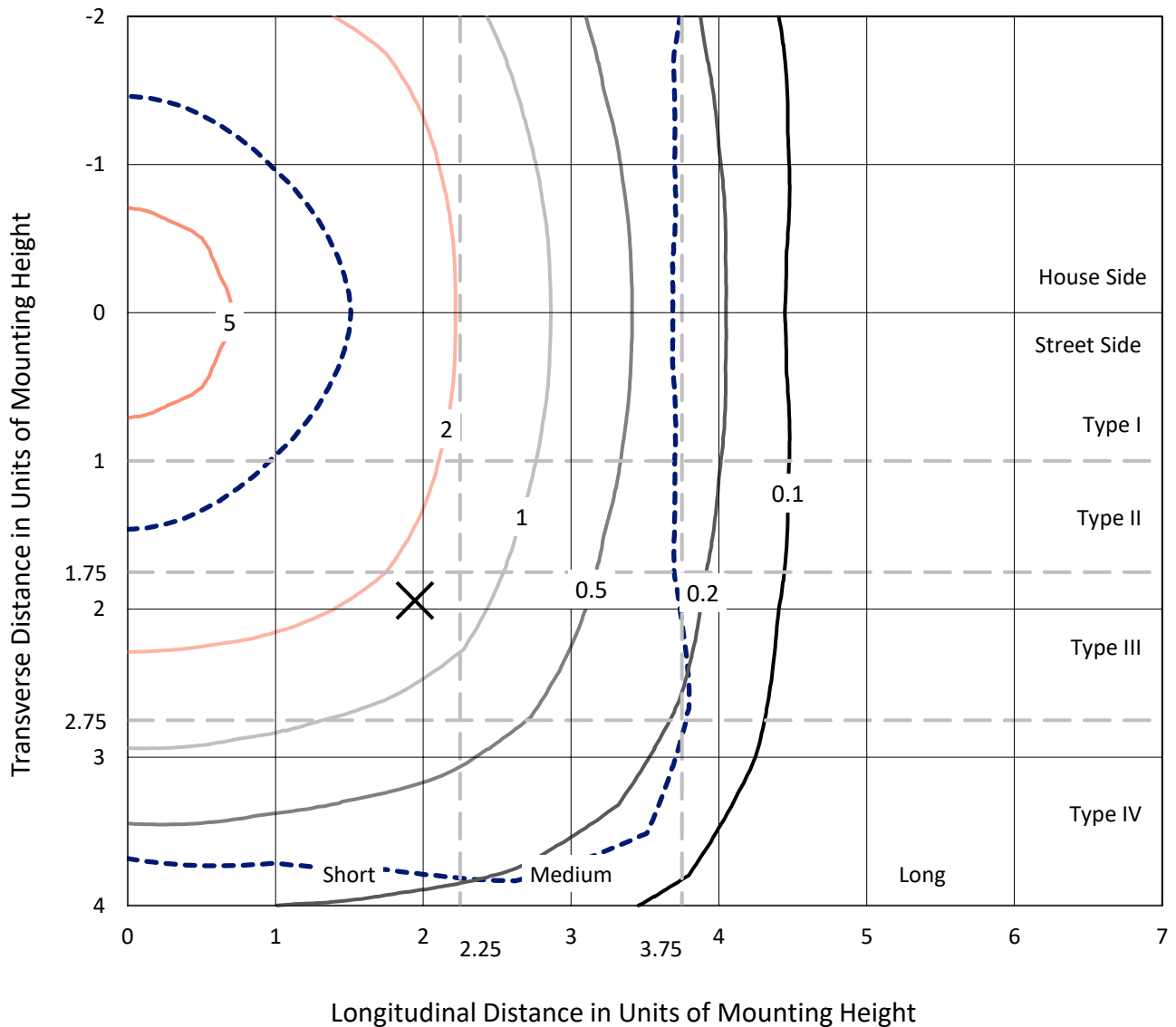
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

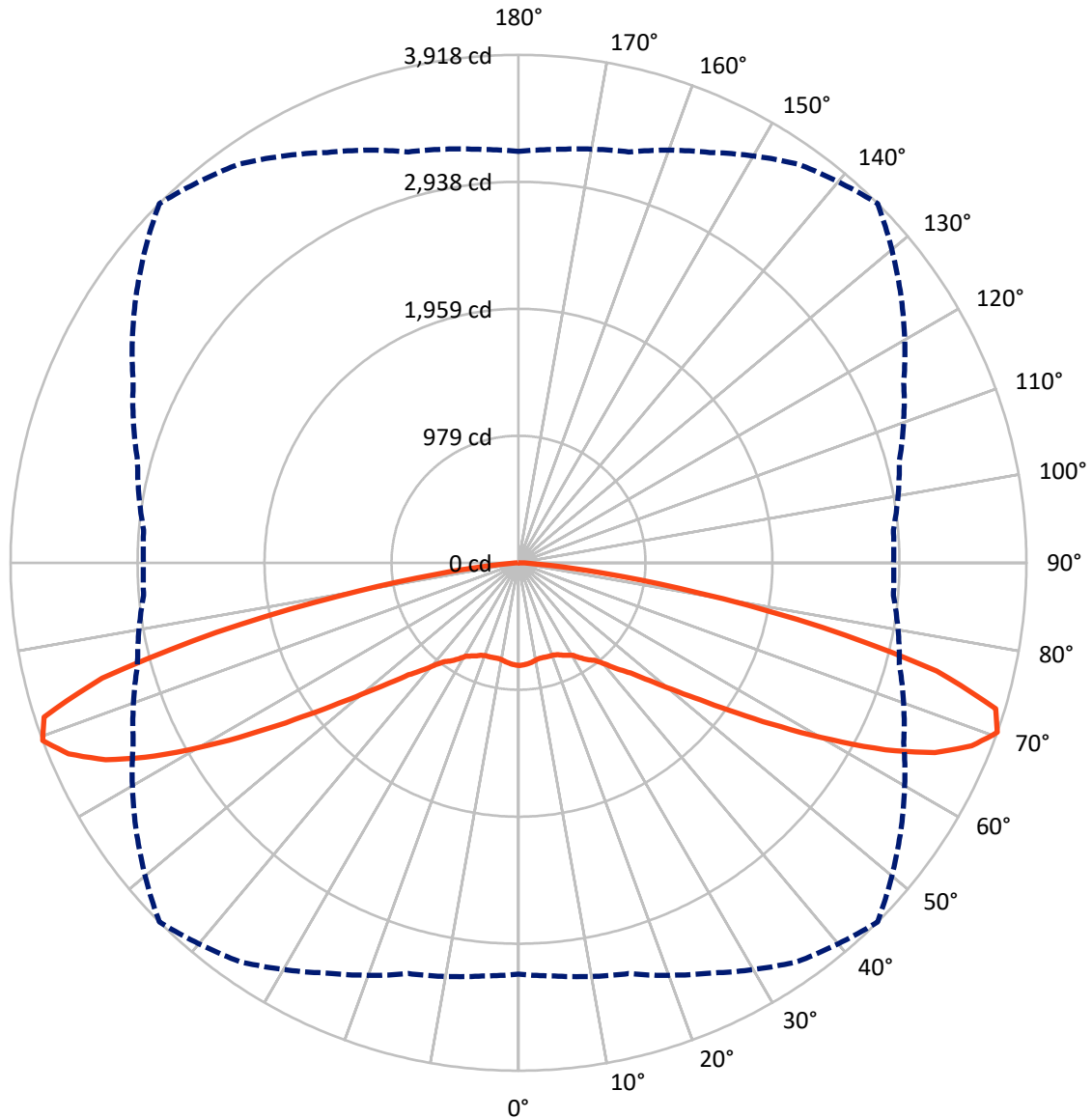
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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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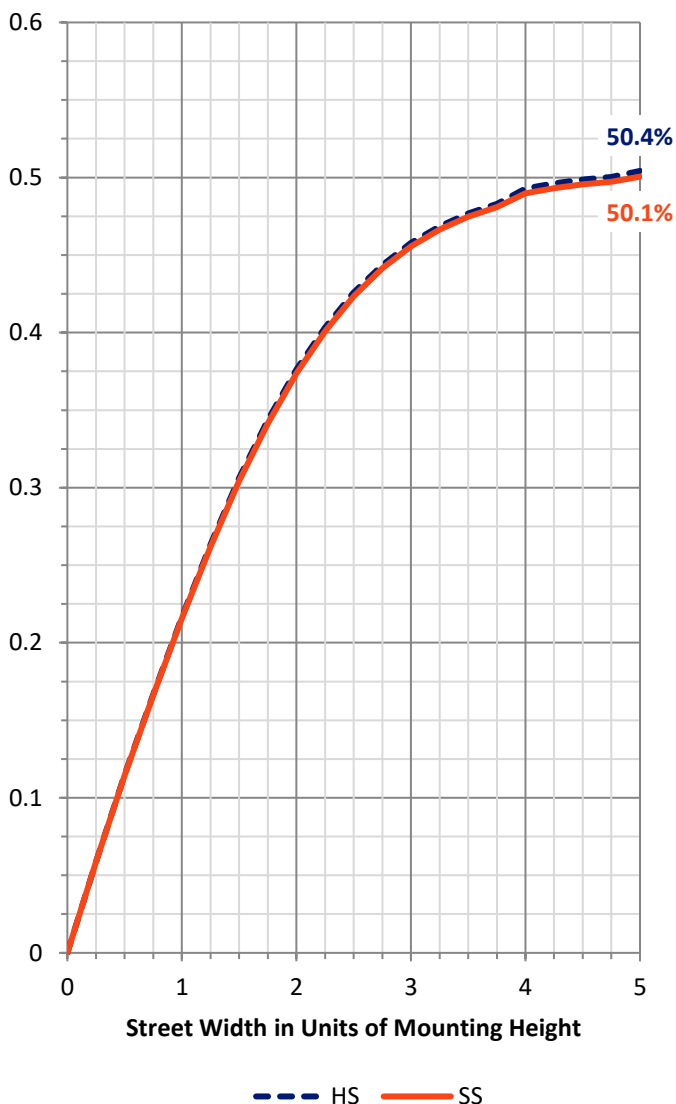
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4811.6	0.0	4811.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4811.6	0.0	4811.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9623.2	0.0	9623.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.9	0.8
10°-20°	215.9	2.2
20°-30°	368.1	3.8
30°-40°	575.2	6.0
40°-50°	974.9	10.1
50°-60°	1777.7	18.5
60°-70°	3060.5	31.8
70°-80°	2399.0	24.9
80°-90°	177.9	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°	9623.2	100.0
0°-180°	9623.2	100.0

**Coefficient of Utilization**



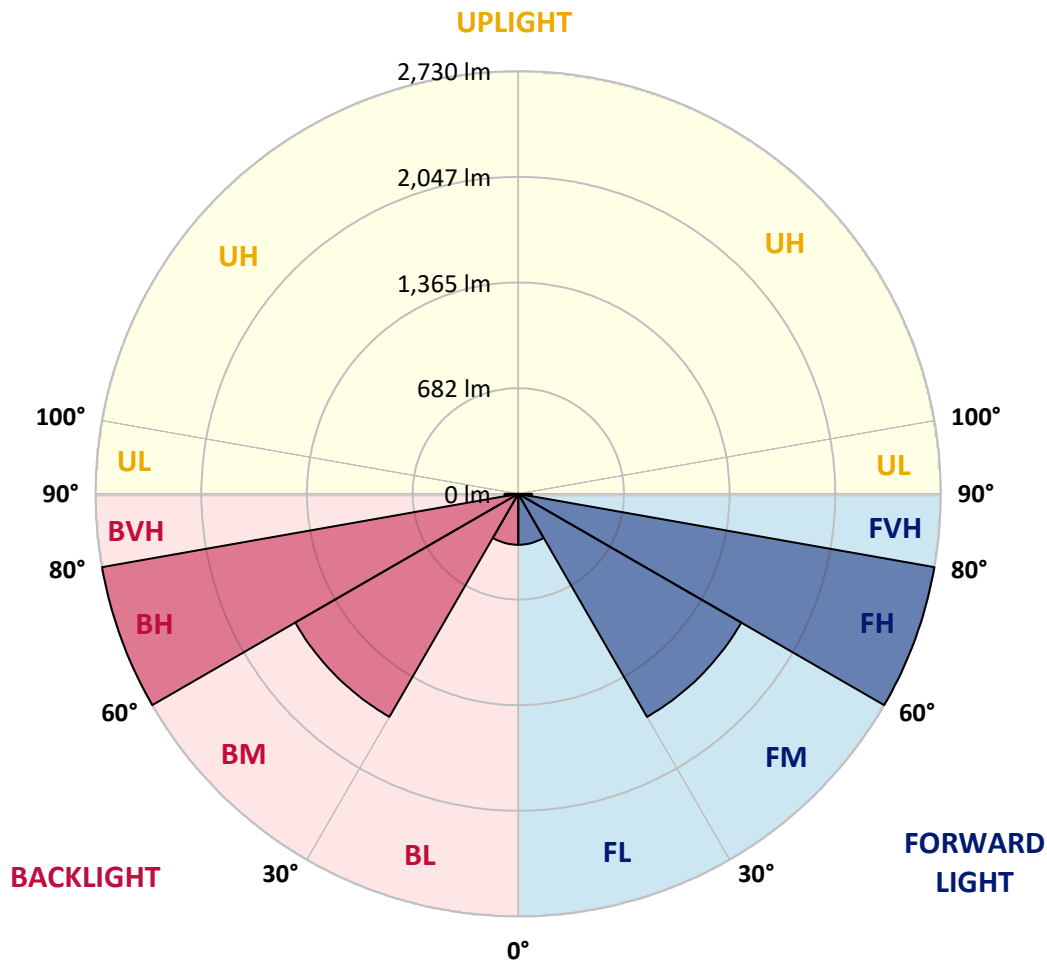
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.0	3.4			
FM (30°-60°)	1663.9	17.3			
FH (60°-80°)	2729.7	28.4			G2/5000
FVH (80°-90°)	88.9	0.9			G1/100
BL (0°-30°)	329.0	3.4	B1/500		
BM (30°-60°)	1663.9	17.3	B2/2500		
BH (60°-80°)	2729.7	28.4	B4/5000		G2/5000
BVH (80°-90°)	88.9	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0
2.5°	788.5	789.5	788.5	789.1	787.5	788.2	788.2	788.2	787.9	788.2	787.5
5°	781.5	782.1	780.8	781.5	780.5	781.5	781.8	781.5	780.8	781.2	779.9
7.5°	771.0	771.6	770.7	771.6	770.3	771.9	771.6	770.7	769.7	769.7	768.4
10°	765.2	765.6	763.0	762.0	759.2	759.9	760.8	761.8	762.7	764.6	764.3
12.5°	765.6	765.6	761.8	757.6	753.5	754.4	756.0	759.5	763.4	766.8	767.2
15°	768.7	768.4	762.7	756.0	753.1	756.0	757.0	759.2	765.2	771.3	771.6
17.5°	771.0	771.0	762.0	754.4	754.1	758.6	758.3	759.2	765.9	774.8	775.1
20°	775.1	775.1	763.6	755.4	755.4	760.2	760.4	762.0	768.7	778.7	780.2
22.5°	784.3	784.7	772.6	765.9	766.5	769.4	770.3	772.9	778.9	789.7	791.6
25°	797.4	798.0	785.6	781.8	784.0	789.5	788.8	790.7	797.4	807.9	809.9
27.5°	815.6	814.0	802.5	800.9	803.1	806.9	806.7	806.9	812.4	821.9	824.1
30°	839.1	838.5	830.1	831.2	830.1	828.9	829.2	831.7	834.7	842.3	844.5
32.5°	862.0	862.6	857.6	862.4	869.3	874.1	866.8	859.8	856.6	860.8	862.6
35°	903.4	905.0	897.0	893.8	903.4	917.4	896.7	885.3	891.6	897.0	898.6
37.5°	973.8	974.7	961.4	948.6	941.6	955.0	934.3	935.3	957.5	967.7	967.4
40°	1054.0	1054.3	1045.4	1034.3	1022.2	1025.3	1017.1	1019.6	1034.3	1043.5	1046.0
42.5°	1149.4	1148.5	1134.5	1118.6	1115.1	1118.3	1104.3	1102.4	1119.2	1135.8	1136.1
45°	1273.3	1271.1	1253.0	1235.4	1218.6	1211.5	1208.1	1217.3	1240.5	1255.8	1256.1
47.5°	1406.6	1400.6	1391.1	1377.1	1362.4	1355.5	1349.7	1354.1	1371.0	1377.1	1377.7
50°	1543.9	1545.1	1547.1	1541.6	1536.2	1534.0	1519.0	1510.5	1515.5	1504.4	1502.8
52.5°	1706.5	1709.0	1727.5	1743.1	1752.3	1757.1	1728.8	1699.2	1682.6	1661.0	1654.6
55°	1898.5	1902.6	1929.7	1973.0	2017.5	2041.1	1989.8	1934.4	1883.2	1842.8	1829.8
57.5°	2112.4	2119.7	2156.9	2240.1	2331.4	2387.1	2300.5	2200.0	2101.0	2042.7	2032.5
60°	2363.2	2370.2	2421.8	2540.9	2688.8	2772.6	2641.5	2476.9	2353.7	2297.9	2279.2
62.5°	2661.8	2662.4	2725.8	2864.9	3060.4	3176.8	2999.2	2779.3	2652.3	2585.1	2567.0
65°	2983.0	2984.5	3050.2	3200.4	3402.6	3529.2	3328.7	3099.5	2944.2	2845.1	2831.1
67.5°	3210.0	3216.7	3285.7	3466.6	3655.7	3769.9	3562.4	3303.2	3123.7	3005.6	2993.8
70°	3173.6	3199.8	3280.9	3492.0	3754.9	3917.9	3600.2	3279.0	3042.2	2902.8	2893.0
72.5°	2767.8	2817.8	2926.0	3203.0	3623.4	3847.9	3393.7	2936.8	2668.8	2550.1	2532.2
75°	1884.8	1966.0	2129.2	2528.8	3095.7	3331.6	2857.0	2341.6	2089.5	1925.2	1913.1
77.5°	840.4	858.8	1065.7	1525.8	2136.3	2392.5	2075.8	1531.8	1149.8	917.1	868.1
80°	234.3	237.2	316.4	568.2	1069.2	1405.7	1147.8	596.9	335.6	236.5	222.8
82.5°	74.5	80.9	98.6	147.4	359.4	641.4	368.9	159.1	113.3	90.4	81.4
85°	36.3	36.0	50.0	59.8	91.7	141.9	97.7	73.8	64.6	42.9	38.8
87.5°	15.3	15.6	23.2	21.0	26.8	22.9	31.5	33.1	34.7	19.1	16.5
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)