

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: P386154

Luminaire Tested: GAW-SA1D-740-U-5MQ

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386154  
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-740-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8705 lumens  
Efficiency: N/A  
Efficacy: 129.9 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

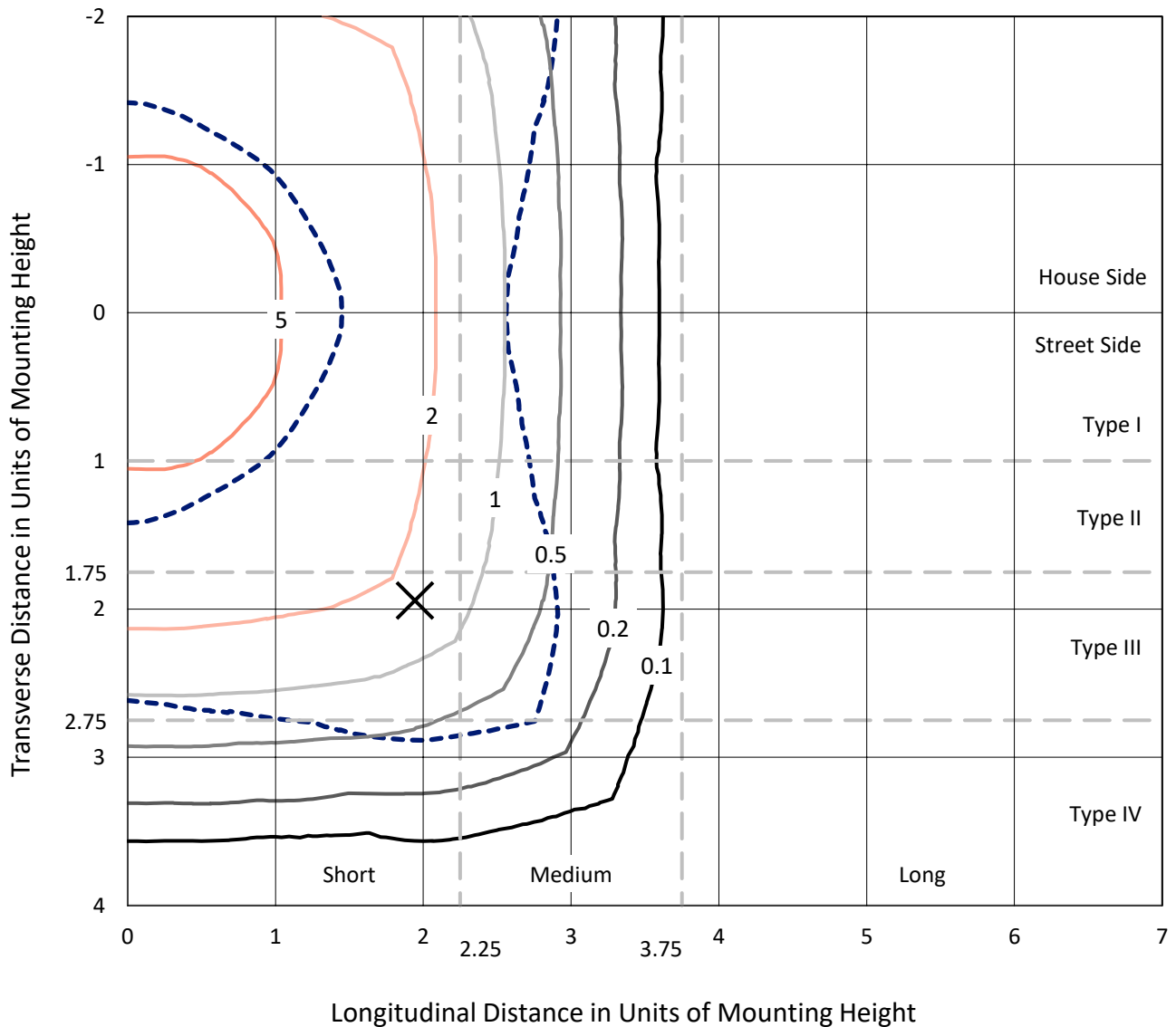
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

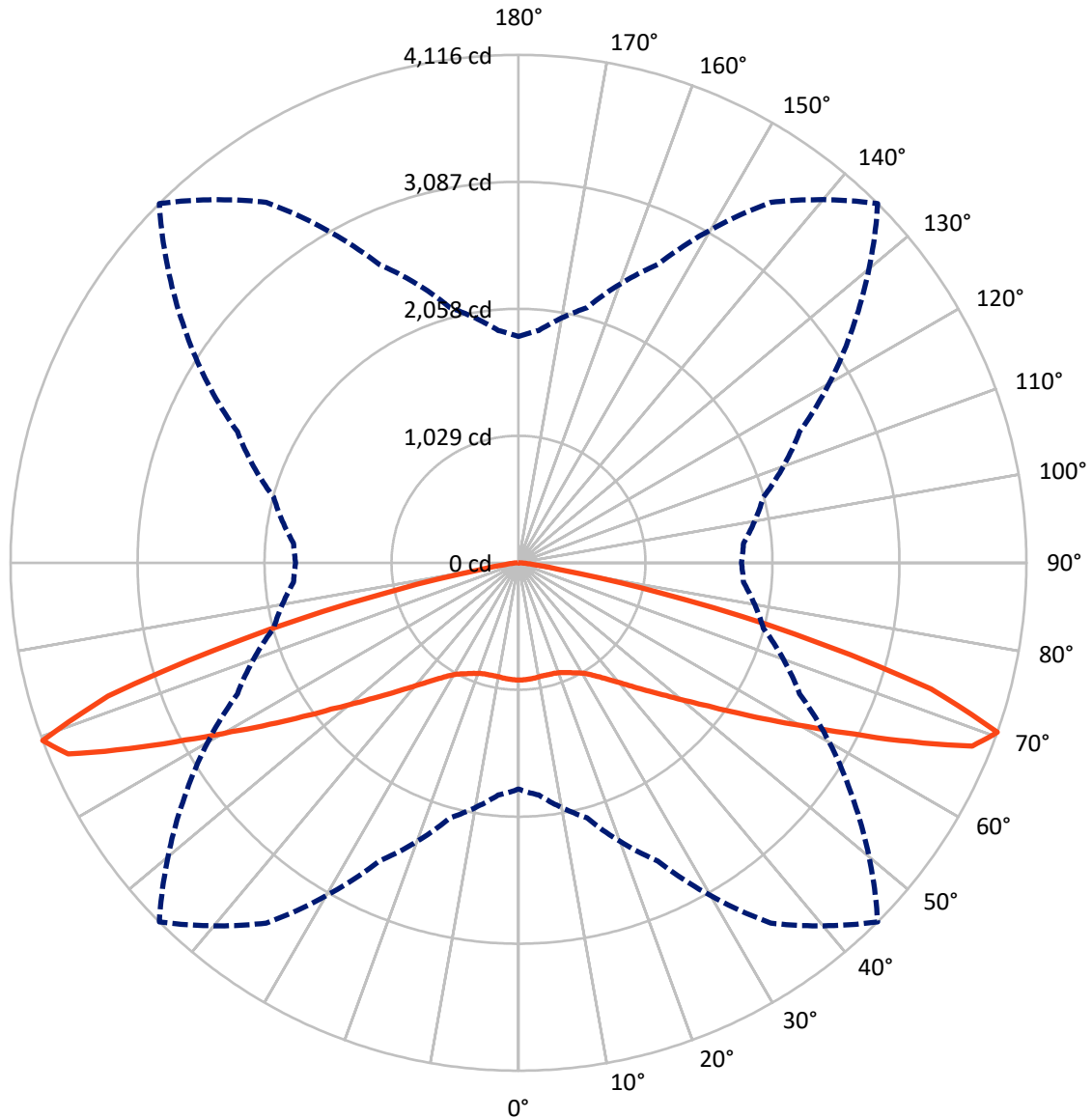
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4352.5	0.0	4352.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4352.5	0.0	4352.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8705.0	0.0	8705.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.0	1.0
10°-20°	264.3	3.0
20°-30°	450.0	5.2
30°-40°	713.7	8.2
40°-50°	1161.4	13.3
50°-60°	1914.9	22.0
60°-70°	2811.2	32.3
70°-80°	1243.1	14.3
80°-90°	56.3	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°	8705.0	100.0
0°-180°	8705.0	100.0

**Coefficient of Utilization**



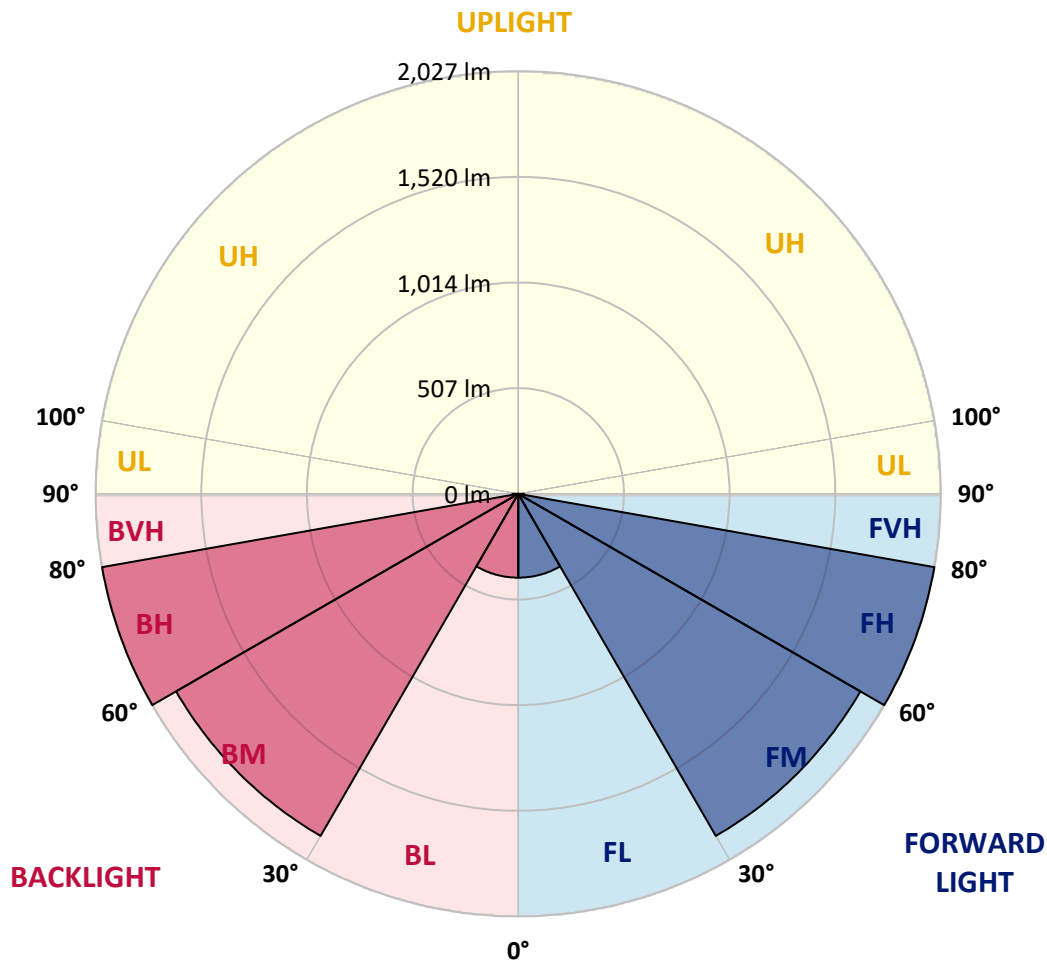
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	402.2	4.6			
FM (30°-60°)	1895.0	21.8			
FH (60°-80°)	2027.1	23.3			G2/5000
FVH (80°-90°)	28.1	0.3			G1/100
BL (0°-30°)	402.2	4.6	B1/500		
BM (30°-60°)	1895.0	21.8	B2/2500		
BH (60°-80°)	2027.1	23.3	B3/2500		G2/5000
BVH (80°-90°)	28.1	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°	950.7	950.7	950.7	950.7	950.7	950.7	950.7	950.7	950.7	950.7	950.7
2.5°	949.3	948.4	950.4	950.1	948.4	948.7	948.7	949.6	949.6	949.0	949.0
5°	945.8	945.2	947.6	947.6	945.8	946.4	947.0	947.8	947.6	947.0	946.7
7.5°	941.5	941.2	943.5	943.5	942.4	942.9	942.4	942.7	942.1	941.5	940.6
10°	934.3	934.9	936.9	937.5	937.5	937.8	937.2	935.7	934.9	934.0	933.1
12.5°	927.7	927.4	930.3	931.7	934.0	936.6	934.9	930.8	929.1	927.4	926.8
15°	923.4	923.6	926.5	929.1	933.1	938.6	936.6	930.3	926.8	924.8	924.2
17.5°	922.5	923.1	926.8	931.4	935.7	941.8	940.6	934.3	928.5	924.8	923.9
20°	924.5	924.8	930.6	937.2	944.7	950.4	947.8	940.9	933.1	927.4	925.9
22.5°	928.2	929.4	936.6	947.0	958.5	966.3	963.1	951.3	939.2	932.0	930.0
25°	940.1	940.3	950.1	964.3	978.1	987.0	983.3	966.6	951.0	942.9	940.3
27.5°	964.6	965.4	975.2	991.6	1003.4	1009.2	1006.9	993.4	980.1	971.5	972.3
30°	1000.0	1001.1	1012.1	1030.2	1037.4	1038.9	1038.3	1032.0	1019.9	1008.3	1009.2
32.5°	1043.2	1043.8	1058.5	1074.9	1080.7	1081.8	1080.7	1074.9	1060.5	1044.9	1045.8
35°	1098.8	1100.5	1114.6	1130.5	1135.1	1137.4	1135.4	1127.9	1112.9	1097.7	1097.1
37.5°	1167.4	1167.7	1182.4	1198.8	1204.5	1205.1	1202.8	1197.9	1179.2	1165.4	1164.5
40°	1246.9	1248.0	1265.3	1282.9	1285.2	1282.6	1285.8	1282.9	1263.6	1247.7	1250.3
42.5°	1343.7	1346.3	1367.0	1384.3	1377.7	1376.2	1378.3	1379.1	1363.6	1344.3	1342.5
45°	1456.3	1458.6	1484.6	1498.4	1494.1	1484.6	1488.6	1495.5	1473.9	1450.0	1452.3
47.5°	1584.8	1590.6	1618.2	1631.2	1620.5	1607.6	1615.4	1625.7	1600.4	1570.7	1569.3
50°	1727.7	1734.9	1771.8	1789.9	1779.3	1755.4	1768.3	1775.3	1738.7	1700.4	1697.2
52.5°	1880.1	1887.3	1933.7	1971.2	1964.2	1927.1	1945.2	1938.0	1896.0	1844.4	1840.4
55°	2052.7	2055.6	2105.7	2166.2	2173.1	2145.7	2144.6	2132.8	2070.6	2010.9	2008.0
57.5°	2230.2	2232.2	2297.0	2368.4	2401.0	2401.0	2368.7	2343.7	2261.0	2191.8	2184.6
60°	2421.7	2428.9	2500.7	2597.8	2673.8	2696.3	2639.3	2571.0	2481.1	2396.7	2388.3
62.5°	2592.3	2600.7	2710.4	2855.0	2977.2	3059.0	2919.6	2808.4	2644.7	2509.3	2493.5
65°	2613.9	2636.4	2796.3	3058.2	3331.6	3494.9	3227.6	2953.6	2655.4	2467.3	2451.1
67.5°	2387.2	2425.2	2641.3	3048.9	3613.9	3964.5	3424.3	2870.6	2464.1	2256.1	2238.2
70°	1834.3	1889.6	2138.8	2666.9	3565.2	4115.8	3301.0	2513.1	2054.4	1830.6	1805.5
72.5°	1006.3	1029.1	1253.2	1826.2	2858.2	3497.5	2753.3	1858.2	1362.4	1108.6	1066.5
75°	319.2	327.3	441.4	747.3	1616.8	2316.6	1749.0	912.1	502.2	370.2	365.9
77.5°	141.7	142.6	159.6	218.1	556.9	1173.7	669.0	248.3	171.1	149.5	154.4
80°	89.6	89.6	98.8	108.0	151.5	340.8	180.9	118.1	100.8	93.6	95.6
82.5°	42.9	47.5	64.2	69.1	83.3	114.7	92.8	77.2	67.4	50.1	46.7
85°	28.2	23.6	40.6	45.8	48.4	55.0	53.9	51.0	44.1	25.1	27.9
87.5°	12.7	12.1	21.0	19.3	18.2	13.8	20.7	25.6	24.8	12.4	12.4
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)