

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: P386182

Luminaire Tested: GAW-SA1D-750-U-5MQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386182
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-750-U-5MQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 5000K, 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

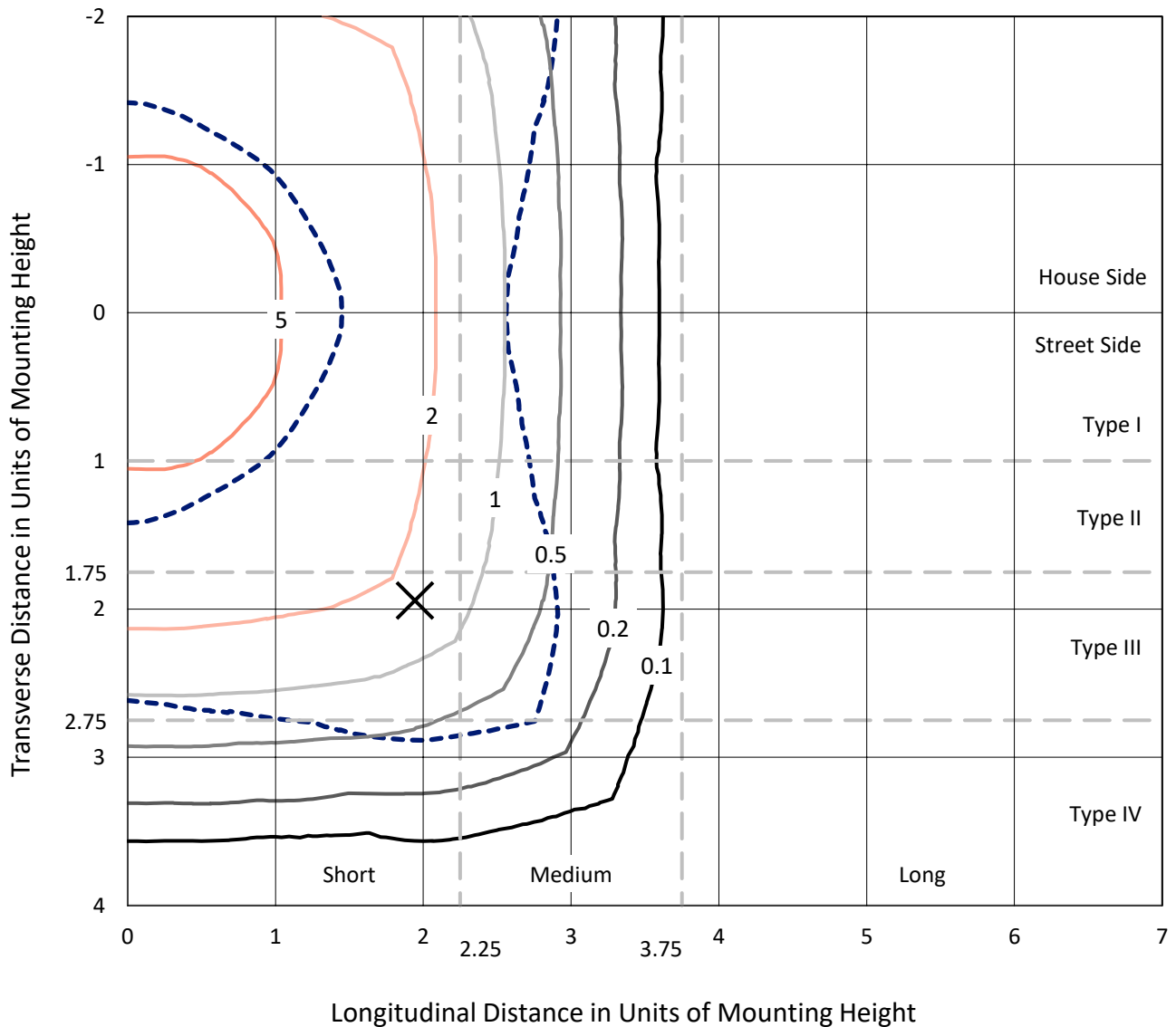
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

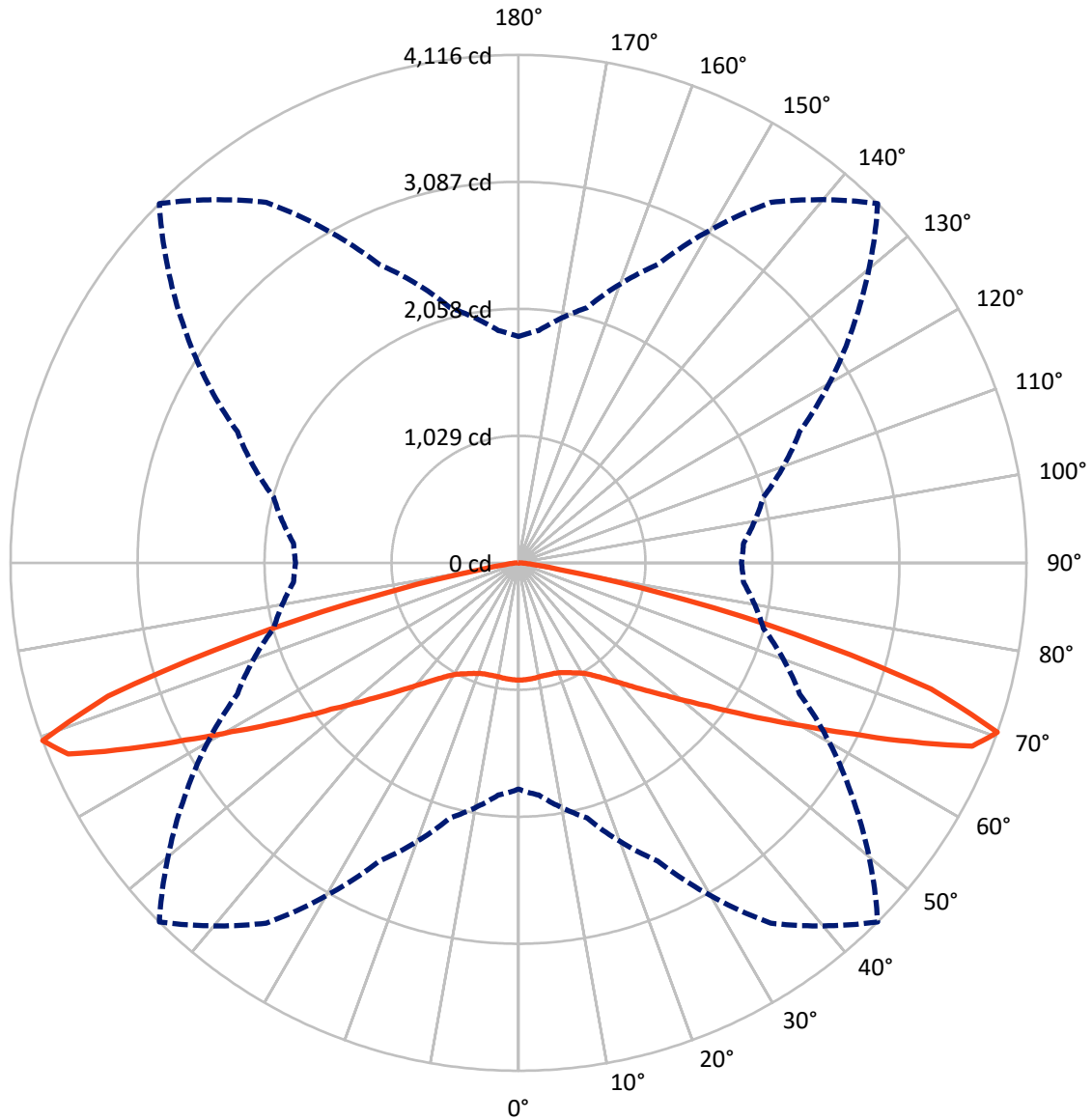
× Max cd
 - - - 1/2 Max cd



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 |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4352.5 | 0.0 | 4352.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4352.5 | 0.0 | 4352.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | 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



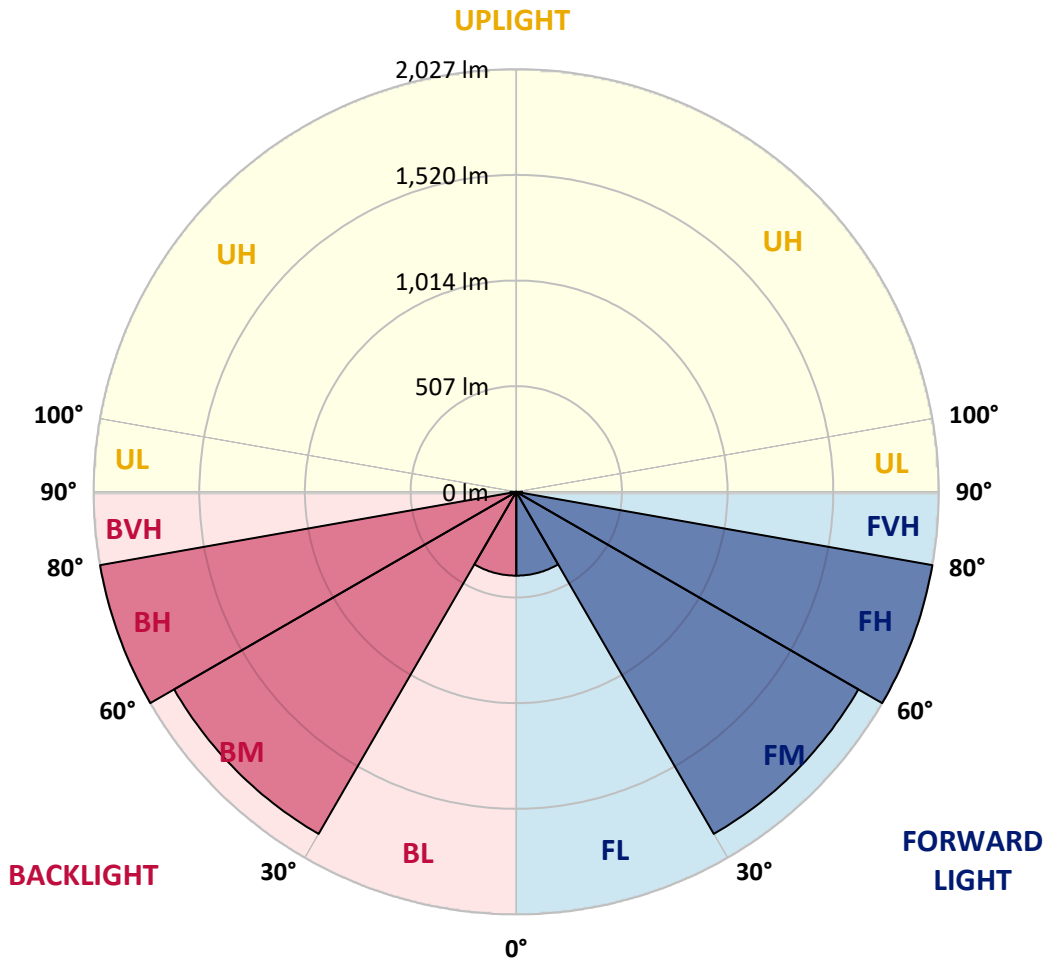
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| 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)