

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: McGRAW-EDISON

Report Number: P634829

Luminaire Tested: GWS-SA3C-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7509.2 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

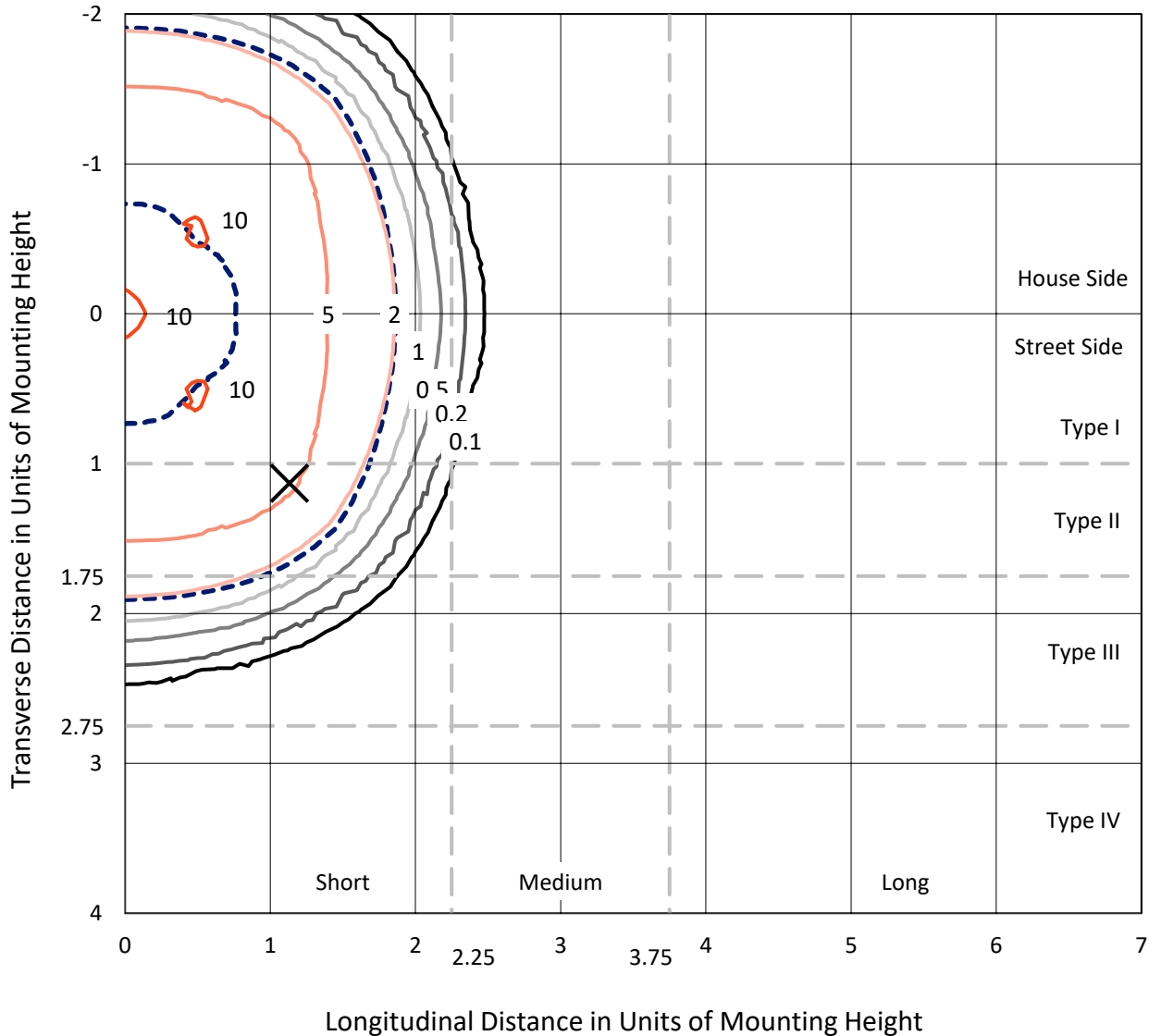
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

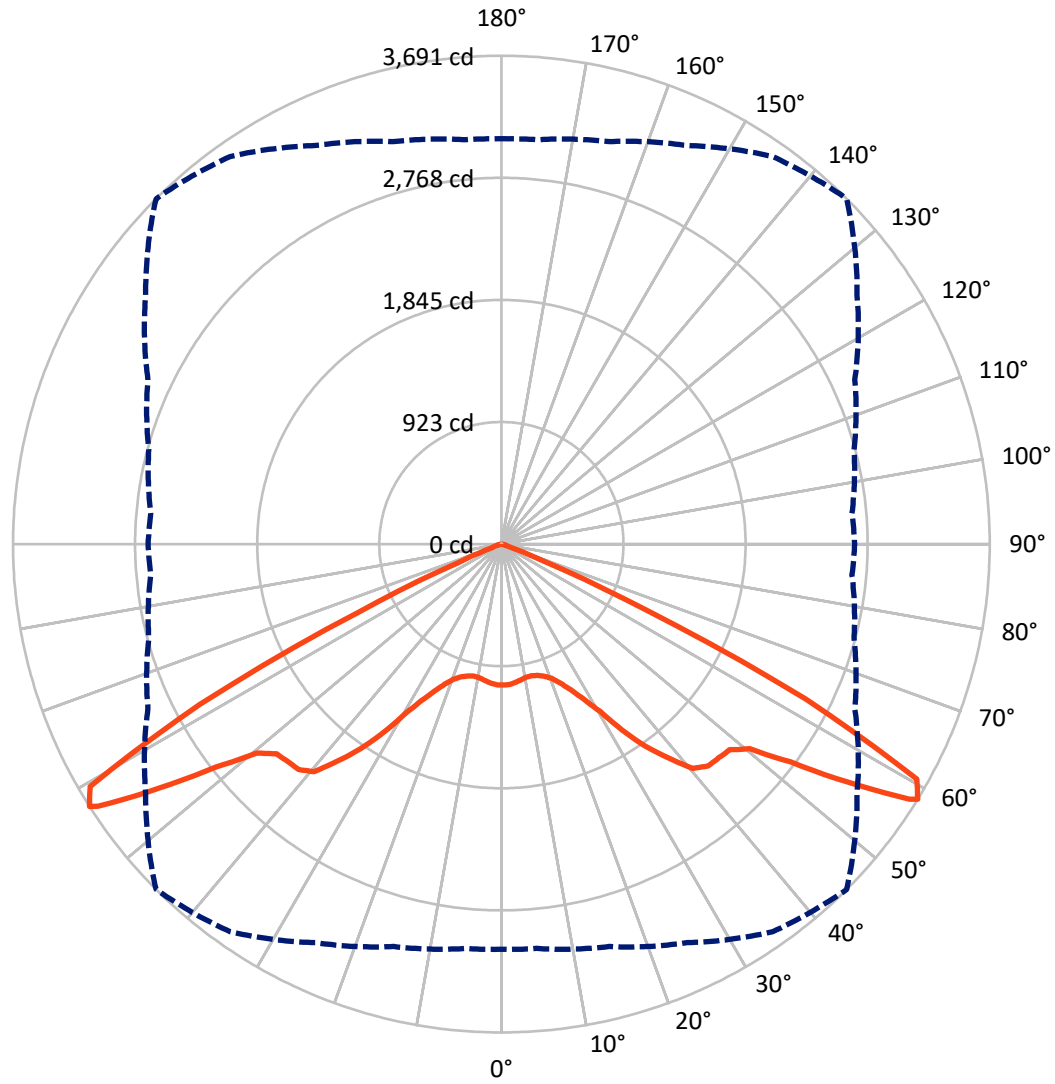
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3754.6 | 0.0 | 3754.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3754.6 | 0.0 | 3754.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7509.2 | 0.0 | 7509.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 99.4 | 1.3 |
| 10°-20° | 294.0 | 3.9 |
| 20°-30° | 556.0 | 7.4 |
| 30°-40° | 1096.6 | 14.6 |
| 40°-50° | 1735.3 | 23.1 |
| 50°-60° | 2550.9 | 34.0 |
| 60°-70° | 1138.6 | 15.2 |
| 70°-80° | 38.1 | 0.5 |
| 80°-90° | 0.3 | 0.0 |
| 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° | 7509.2 | 100.0 |
| 0°-180° | 7509.2 | 100.0 |

Coefficient of Utilization



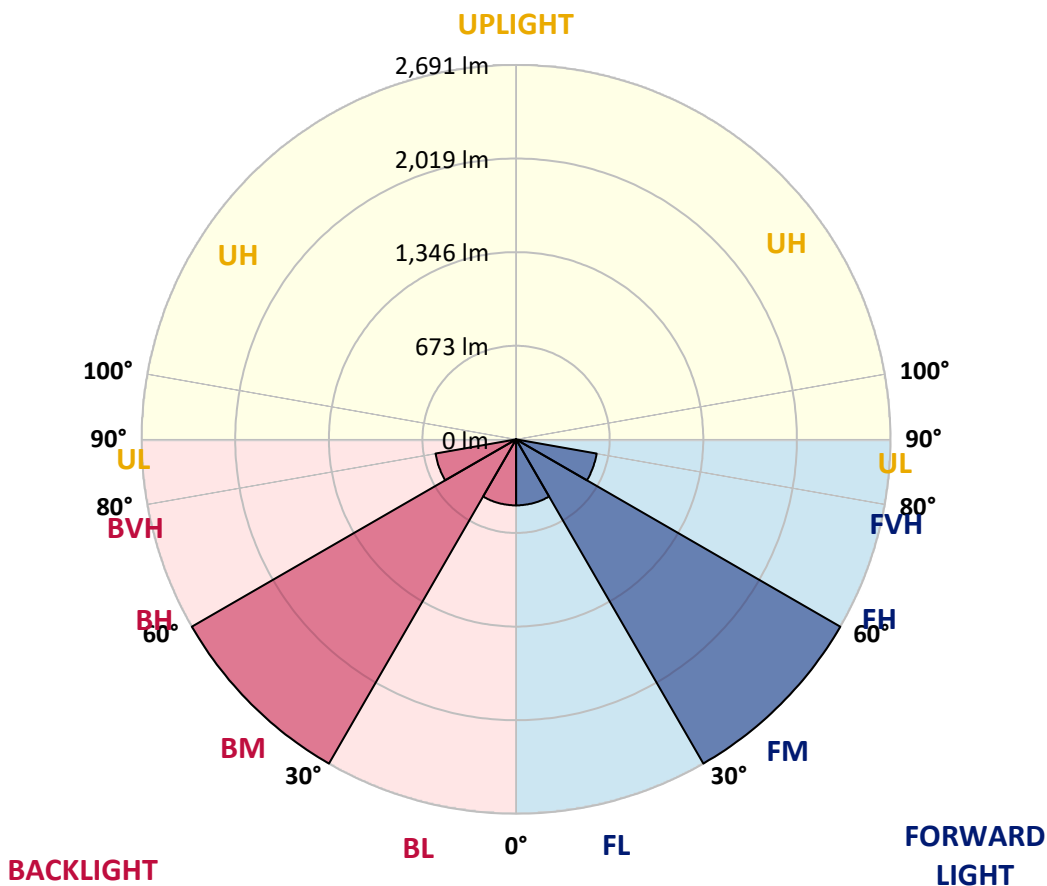
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 474.7 | 6.3 | | | |
| FM (30°-60°) | 2691.4 | 35.8 | | | |
| FH (60°-80°) | 588.4 | 7.8 | | | G0/660 |
| FVH (80°-90°) | 0.2 | 0.0 | | | G0/10 |
| BL (0°-30°) | 474.7 | 6.3 | B1/500 | | |
| BM (30°-60°) | 2691.4 | 35.8 | B3/5000 | | |
| BH (60°-80°) | 588.4 | 7.8 | B2/1000 | | G0/660 |
| BVH (80°-90°) | 0.2 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1064.9 | 1064.9 | 1064.9 | 1064.9 | 1064.9 | 1064.9 | 1064.9 | 1064.9 | 1064.9 | 1064.9 | 1064.9 |
| 2.5° | 1054.7 | 1056.7 | 1058.8 | 1059.8 | 1060.8 | 1063.9 | 1064.9 | 1061.8 | 1061.8 | 1055.7 | 1062.9 |
| 5° | 1049.6 | 1051.6 | 1053.7 | 1052.6 | 1052.6 | 1052.6 | 1051.6 | 1047.5 | 1046.5 | 1040.4 | 1047.5 |
| 7.5° | 1040.4 | 1042.4 | 1042.4 | 1039.3 | 1037.3 | 1037.3 | 1036.3 | 1031.1 | 1030.1 | 1024.0 | 1031.1 |
| 10° | 1033.2 | 1034.2 | 1033.2 | 1027.1 | 1023.0 | 1023.0 | 1021.9 | 1019.9 | 1020.9 | 1016.8 | 1023.0 |
| 12.5° | 1037.3 | 1038.3 | 1034.2 | 1026.0 | 1020.9 | 1019.9 | 1016.8 | 1013.8 | 1016.8 | 1015.8 | 1021.9 |
| 15° | 1050.6 | 1051.6 | 1044.4 | 1034.2 | 1030.1 | 1030.1 | 1021.9 | 1013.8 | 1017.8 | 1018.9 | 1026.0 |
| 17.5° | 1067.0 | 1067.0 | 1057.7 | 1048.5 | 1049.6 | 1049.6 | 1036.3 | 1021.9 | 1023.0 | 1027.1 | 1034.2 |
| 20° | 1086.4 | 1086.4 | 1077.2 | 1075.1 | 1082.3 | 1083.3 | 1067.0 | 1044.4 | 1039.3 | 1042.4 | 1050.6 |
| 22.5° | 1121.2 | 1121.2 | 1114.0 | 1119.1 | 1135.5 | 1140.6 | 1116.1 | 1084.3 | 1072.1 | 1074.1 | 1082.3 |
| 25° | 1175.4 | 1175.4 | 1173.3 | 1185.6 | 1209.1 | 1220.4 | 1187.7 | 1145.7 | 1125.3 | 1122.2 | 1131.4 |
| 27.5° | 1266.4 | 1267.5 | 1264.4 | 1282.8 | 1312.5 | 1325.8 | 1280.7 | 1225.5 | 1201.0 | 1195.8 | 1205.1 |
| 30° | 1384.1 | 1384.1 | 1385.1 | 1410.7 | 1449.5 | 1466.9 | 1407.6 | 1343.2 | 1314.5 | 1298.1 | 1310.4 |
| 32.5° | 1515.0 | 1517.1 | 1527.3 | 1570.2 | 1638.8 | 1674.6 | 1587.6 | 1497.6 | 1451.6 | 1434.2 | 1447.5 |
| 35° | 1730.9 | 1711.4 | 1699.1 | 1730.9 | 1830.1 | 1877.1 | 1765.6 | 1660.3 | 1625.5 | 1623.4 | 1657.2 |
| 37.5° | 1944.7 | 1933.4 | 1907.8 | 1940.6 | 2029.6 | 2051.0 | 1928.3 | 1840.3 | 1815.8 | 1829.1 | 1862.8 |
| 40° | 2114.5 | 2094.0 | 2060.2 | 2090.9 | 2207.6 | 2229.0 | 2077.6 | 1990.7 | 1981.5 | 2011.1 | 2057.2 |
| 42.5° | 2248.5 | 2219.8 | 2174.8 | 2182.0 | 2276.1 | 2291.4 | 2157.4 | 2092.0 | 2098.1 | 2134.9 | 2187.1 |
| 45° | 2308.8 | 2286.3 | 2246.4 | 2243.4 | 2302.7 | 2303.7 | 2198.3 | 2164.6 | 2181.0 | 2209.6 | 2250.5 |
| 47.5° | 2334.4 | 2324.2 | 2301.7 | 2296.6 | 2330.3 | 2322.1 | 2256.7 | 2242.3 | 2257.7 | 2265.9 | 2289.4 |
| 50° | 2397.8 | 2397.8 | 2400.9 | 2405.0 | 2439.8 | 2431.6 | 2385.5 | 2369.2 | 2349.7 | 2321.1 | 2328.3 |
| 52.5° | 2575.8 | 2583.0 | 2612.6 | 2645.4 | 2708.8 | 2735.4 | 2660.7 | 2565.6 | 2472.5 | 2410.1 | 2410.1 |
| 55° | 2897.0 | 2904.2 | 2939.0 | 2994.2 | 3110.8 | 3174.3 | 3000.4 | 2790.6 | 2662.8 | 2577.9 | 2589.1 |
| 57.5° | 3074.0 | 3082.2 | 3153.8 | 3303.1 | 3529.2 | 3636.6 | 3263.3 | 2952.3 | 2773.3 | 2676.1 | 2684.3 |
| 58° | 3062.8 | 3067.9 | 3148.7 | 3323.6 | 3575.3 | 3690.9 | 3281.7 | 2947.2 | 2758.9 | 2659.7 | 2669.9 |
| 60° | 2721.1 | 2713.9 | 2842.8 | 3092.4 | 3447.4 | 3607.0 | 3098.6 | 2690.4 | 2471.5 | 2370.2 | 2375.3 |
| 62.5° | 1778.9 | 1783.0 | 1894.5 | 2155.4 | 2431.6 | 2582.0 | 2164.6 | 1860.8 | 1684.8 | 1623.4 | 1608.1 |
| 65° | 742.7 | 729.4 | 797.9 | 943.2 | 1108.9 | 1192.8 | 1025.0 | 867.5 | 759.0 | 718.1 | 729.4 |
| 67.5° | 191.3 | 186.2 | 190.3 | 238.4 | 291.5 | 344.7 | 289.5 | 221.0 | 192.3 | 194.4 | 194.4 |
| 70° | 108.4 | 102.3 | 82.9 | 76.7 | 74.7 | 74.7 | 74.7 | 74.7 | 85.9 | 101.3 | 104.3 |
| 72.5° | 81.8 | 76.7 | 60.4 | 52.2 | 46.0 | 43.0 | 45.0 | 52.2 | 62.4 | 75.7 | 77.7 |
| 75° | 40.9 | 40.9 | 36.8 | 34.8 | 30.7 | 28.6 | 29.7 | 32.7 | 37.8 | 43.0 | 41.9 |
| 77.5° | 8.2 | 9.2 | 10.2 | 12.3 | 10.2 | 10.2 | 10.2 | 12.3 | 12.3 | 13.3 | 12.3 |
| 80° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 82.5° | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)