

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: P634774

Luminaire Tested: GWS-SA3C-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634774
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7341 lumens
Efficiency: N/A
Efficacy: 78.9 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

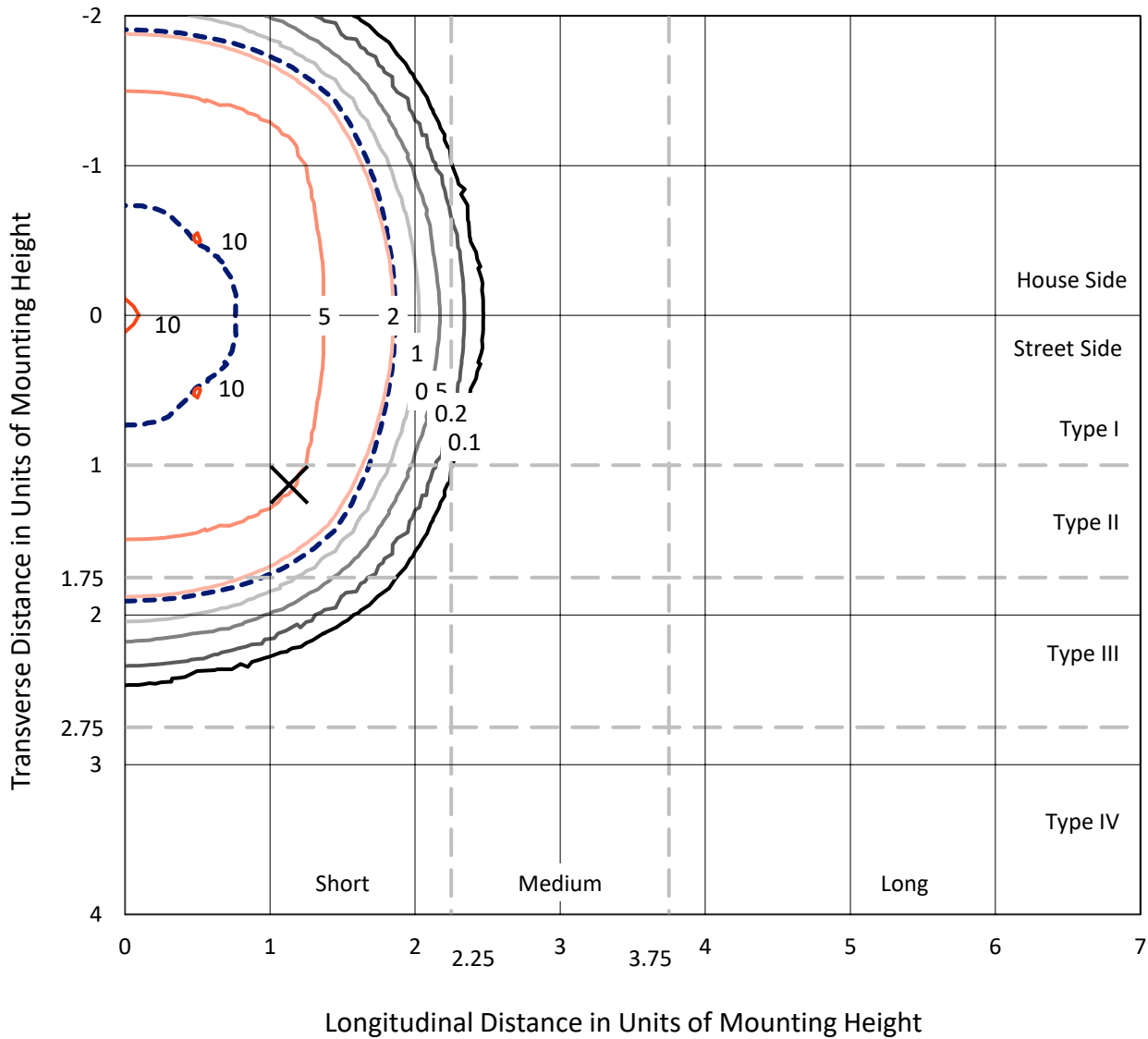
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

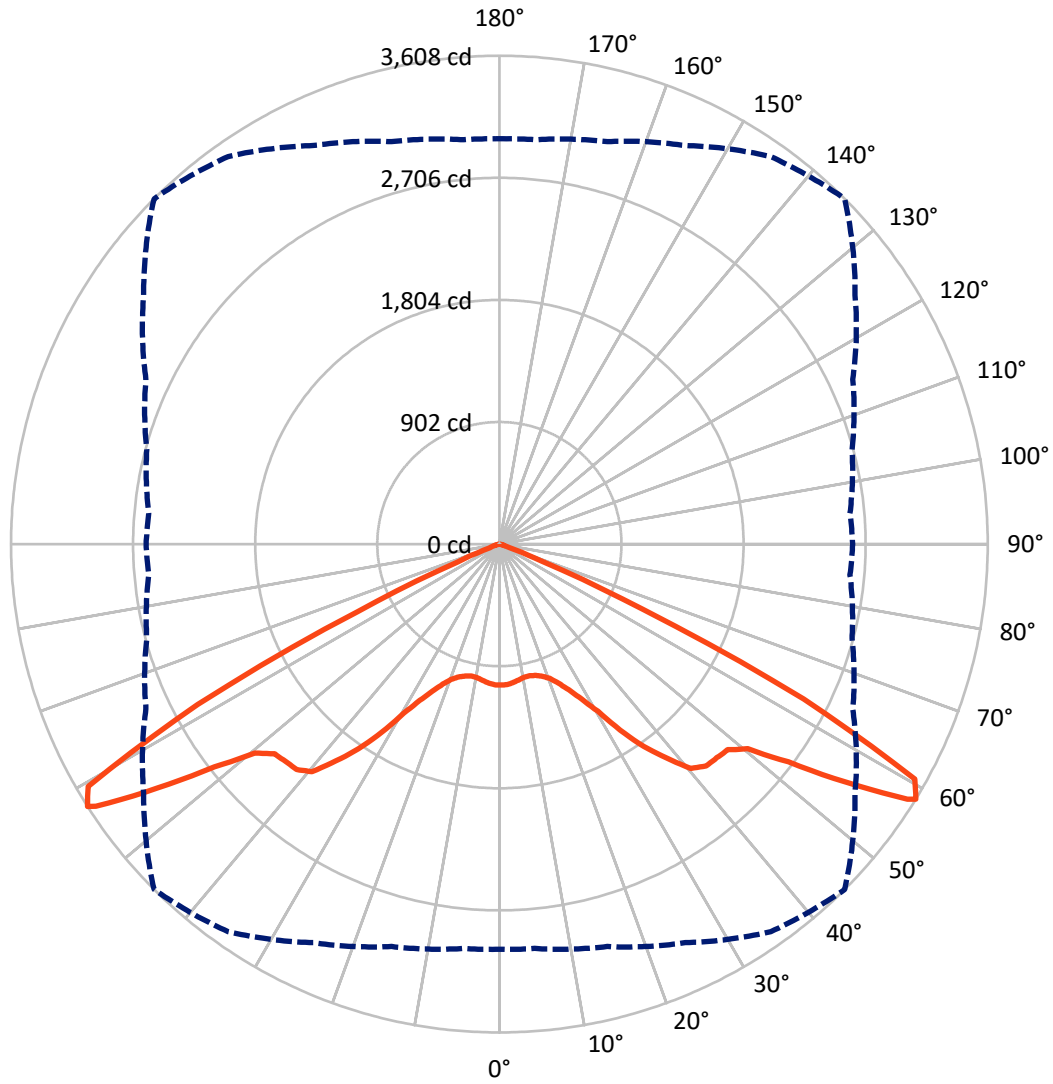
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 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 | 3670.5 | 0.0 | 3670.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3670.5 | 0.0 | 3670.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7341.0 | 0.0 | 7341.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 97.1 | 1.3 |
| 10°-20° | 287.4 | 3.9 |
| 20°-30° | 543.6 | 7.4 |
| 30°-40° | 1072.0 | 14.6 |
| 40°-50° | 1696.5 | 23.1 |
| 50°-60° | 2493.7 | 34.0 |
| 60°-70° | 1113.1 | 15.2 |
| 70°-80° | 37.3 | 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° | 7341.0 | 100.0 |
| 0°-180° | 7341.0 | 100.0 |

Coefficient of Utilization



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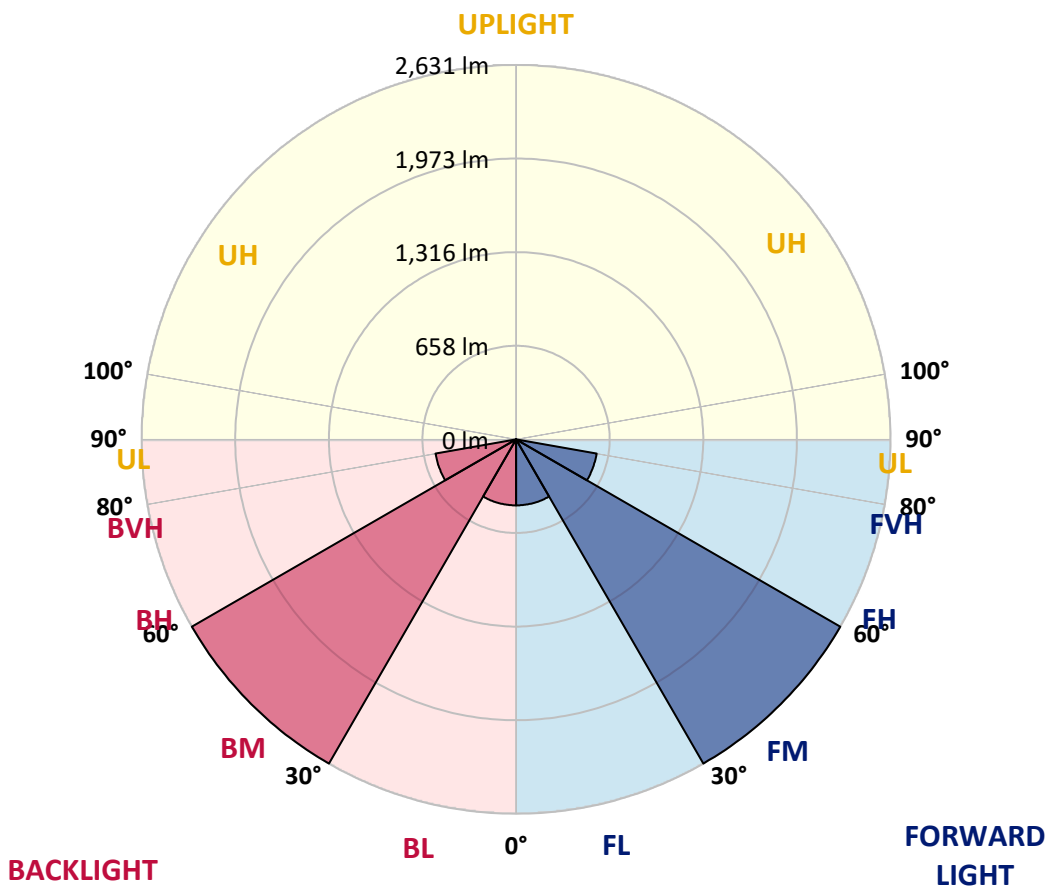
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 464.1 | 6.3 | | | |
| FM (30°-60°) | 2631.1 | 35.8 | | | |
| FH (60°-80°) | 575.2 | 7.8 | | | G0/660 |
| FVH (80°-90°) | 0.2 | 0.0 | | | G0/10 |
| BL (0°-30°) | 464.1 | 6.3 | B1/500 | | |
| BM (30°-60°) | 2631.1 | 35.8 | B3/5000 | | |
| BH (60°-80°) | 575.2 | 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° | 1041.1 | 1041.1 | 1041.1 | 1041.1 | 1041.1 | 1041.1 | 1041.1 | 1041.1 | 1041.1 | 1041.1 | 1041.1 |
| 2.5° | 1031.1 | 1033.1 | 1035.1 | 1036.1 | 1037.1 | 1040.1 | 1041.1 | 1038.1 | 1038.1 | 1032.1 | 1039.1 |
| 5° | 1026.1 | 1028.1 | 1030.1 | 1029.1 | 1029.1 | 1029.1 | 1028.1 | 1024.1 | 1023.1 | 1017.1 | 1024.1 |
| 7.5° | 1017.1 | 1019.1 | 1019.1 | 1016.1 | 1014.1 | 1014.1 | 1013.1 | 1008.0 | 1007.0 | 1001.0 | 1008.0 |
| 10° | 1010.1 | 1011.1 | 1010.1 | 1004.0 | 1000.0 | 1000.0 | 999.0 | 997.0 | 998.0 | 994.0 | 1000.0 |
| 12.5° | 1014.1 | 1015.1 | 1011.1 | 1003.0 | 998.0 | 997.0 | 994.0 | 991.0 | 994.0 | 993.0 | 999.0 |
| 15° | 1027.1 | 1028.1 | 1021.1 | 1011.1 | 1007.0 | 1007.0 | 999.0 | 991.0 | 995.0 | 996.0 | 1003.0 |
| 17.5° | 1043.1 | 1043.1 | 1034.1 | 1025.1 | 1026.1 | 1026.1 | 1013.1 | 999.0 | 1000.0 | 1004.0 | 1011.1 |
| 20° | 1062.1 | 1062.1 | 1053.1 | 1051.1 | 1058.1 | 1059.1 | 1043.1 | 1021.1 | 1016.1 | 1019.1 | 1027.1 |
| 22.5° | 1096.1 | 1096.1 | 1089.1 | 1094.1 | 1110.1 | 1115.1 | 1091.1 | 1060.1 | 1048.1 | 1050.1 | 1058.1 |
| 25° | 1149.1 | 1149.1 | 1147.1 | 1159.1 | 1182.1 | 1193.1 | 1161.1 | 1120.1 | 1100.1 | 1097.1 | 1106.1 |
| 27.5° | 1238.1 | 1239.1 | 1236.1 | 1254.1 | 1283.1 | 1296.1 | 1252.1 | 1198.1 | 1174.1 | 1169.1 | 1178.1 |
| 30° | 1353.1 | 1353.1 | 1354.1 | 1379.1 | 1417.1 | 1434.1 | 1376.1 | 1313.1 | 1285.1 | 1269.1 | 1281.1 |
| 32.5° | 1481.1 | 1483.1 | 1493.1 | 1535.1 | 1602.1 | 1637.1 | 1552.1 | 1464.1 | 1419.1 | 1402.1 | 1415.1 |
| 35° | 1692.1 | 1673.1 | 1661.1 | 1692.1 | 1789.1 | 1835.1 | 1726.1 | 1623.1 | 1589.1 | 1587.1 | 1620.1 |
| 37.5° | 1901.1 | 1890.1 | 1865.1 | 1897.1 | 1984.1 | 2005.1 | 1885.1 | 1799.1 | 1775.1 | 1788.1 | 1821.1 |
| 40° | 2067.1 | 2047.1 | 2014.1 | 2044.1 | 2158.1 | 2179.1 | 2031.1 | 1946.1 | 1937.1 | 1966.1 | 2011.1 |
| 42.5° | 2198.1 | 2170.1 | 2126.1 | 2133.1 | 2225.1 | 2240.1 | 2109.1 | 2045.1 | 2051.1 | 2087.1 | 2138.1 |
| 45° | 2257.1 | 2235.1 | 2196.1 | 2193.1 | 2251.1 | 2252.1 | 2149.1 | 2116.1 | 2132.1 | 2160.1 | 2200.1 |
| 47.5° | 2282.1 | 2272.1 | 2250.1 | 2245.1 | 2278.1 | 2270.1 | 2206.1 | 2192.1 | 2207.1 | 2215.1 | 2238.1 |
| 50° | 2344.1 | 2344.1 | 2347.1 | 2351.1 | 2385.1 | 2377.1 | 2332.1 | 2316.1 | 2297.1 | 2269.1 | 2276.1 |
| 52.5° | 2518.1 | 2525.1 | 2554.1 | 2586.1 | 2648.1 | 2674.1 | 2601.1 | 2508.1 | 2417.1 | 2356.1 | 2356.1 |
| 55° | 2832.1 | 2839.1 | 2873.1 | 2927.1 | 3041.2 | 3103.2 | 2933.1 | 2728.1 | 2603.1 | 2520.1 | 2531.1 |
| 57.5° | 3005.1 | 3013.1 | 3083.2 | 3229.2 | 3450.2 | 3555.2 | 3190.2 | 2886.1 | 2711.1 | 2616.1 | 2624.1 |
| 58° | 2994.1 | 2999.1 | 3078.2 | 3249.2 | 3495.2 | 3608.2 | 3208.2 | 2881.1 | 2697.1 | 2600.1 | 2610.1 |
| 60° | 2660.1 | 2653.1 | 2779.1 | 3023.1 | 3370.2 | 3526.2 | 3029.2 | 2630.1 | 2416.1 | 2317.1 | 2322.1 |
| 62.5° | 1739.1 | 1743.1 | 1852.1 | 2107.1 | 2377.1 | 2524.1 | 2116.1 | 1819.1 | 1647.1 | 1587.1 | 1572.1 |
| 65° | 726.0 | 713.0 | 780.0 | 922.0 | 1084.1 | 1166.1 | 1002.0 | 848.0 | 742.0 | 702.0 | 713.0 |
| 67.5° | 187.0 | 182.0 | 186.0 | 233.0 | 285.0 | 337.0 | 283.0 | 216.0 | 188.0 | 190.0 | 190.0 |
| 70° | 106.0 | 100.0 | 81.0 | 75.0 | 73.0 | 73.0 | 73.0 | 73.0 | 84.0 | 99.0 | 102.0 |
| 72.5° | 80.0 | 75.0 | 59.0 | 51.0 | 45.0 | 42.0 | 44.0 | 51.0 | 61.0 | 74.0 | 76.0 |
| 75° | 40.0 | 40.0 | 36.0 | 34.0 | 30.0 | 28.0 | 29.0 | 32.0 | 37.0 | 42.0 | 41.0 |
| 77.5° | 8.0 | 9.0 | 10.0 | 12.0 | 10.0 | 10.0 | 10.0 | 12.0 | 12.0 | 13.0 | 12.0 |
| 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)