

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: P632788

Luminaire Tested: GWS-SA2D-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-740-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7134 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 82.1
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

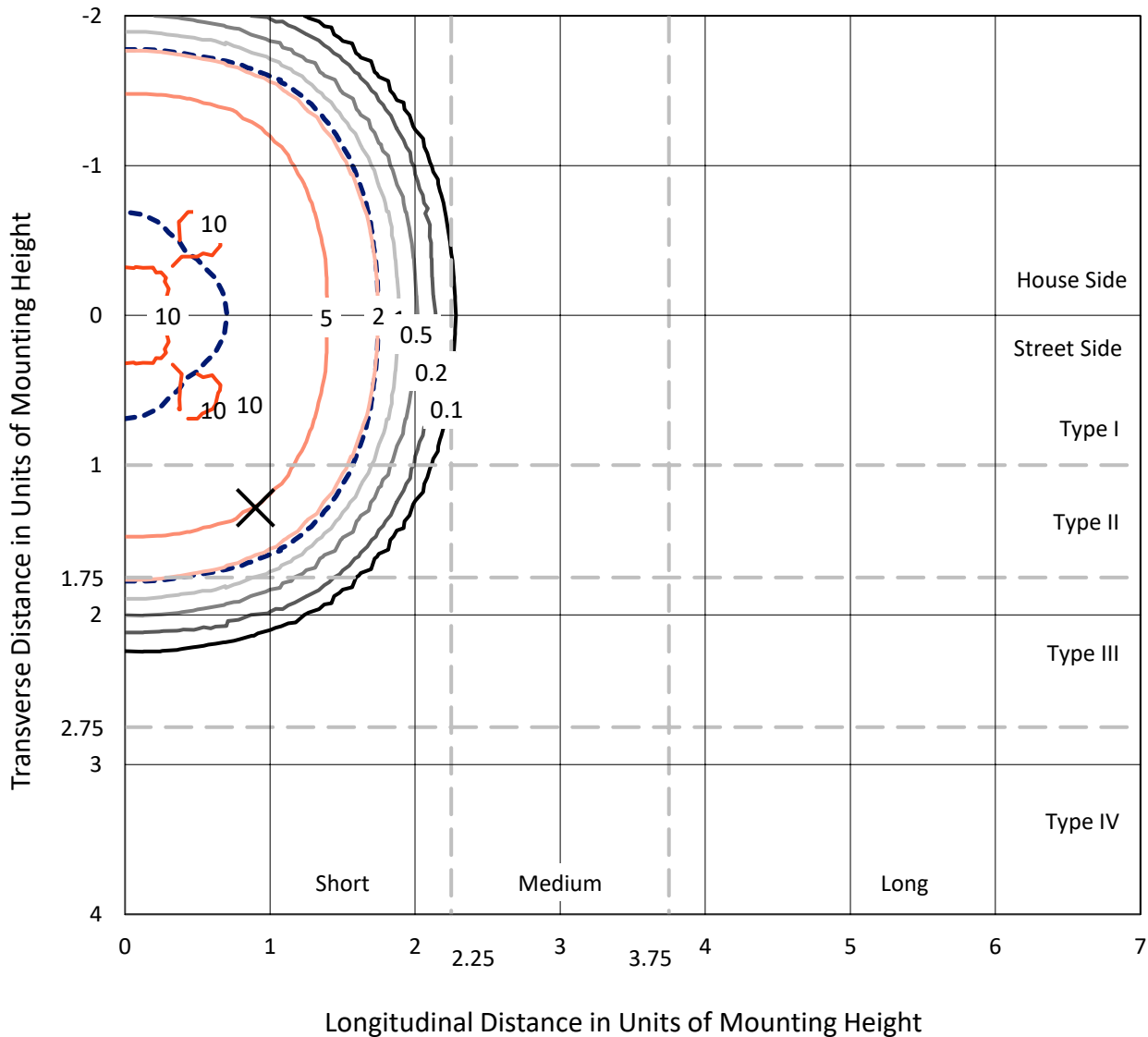


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Iso-Footcandle Lines of Horizontal Illumination

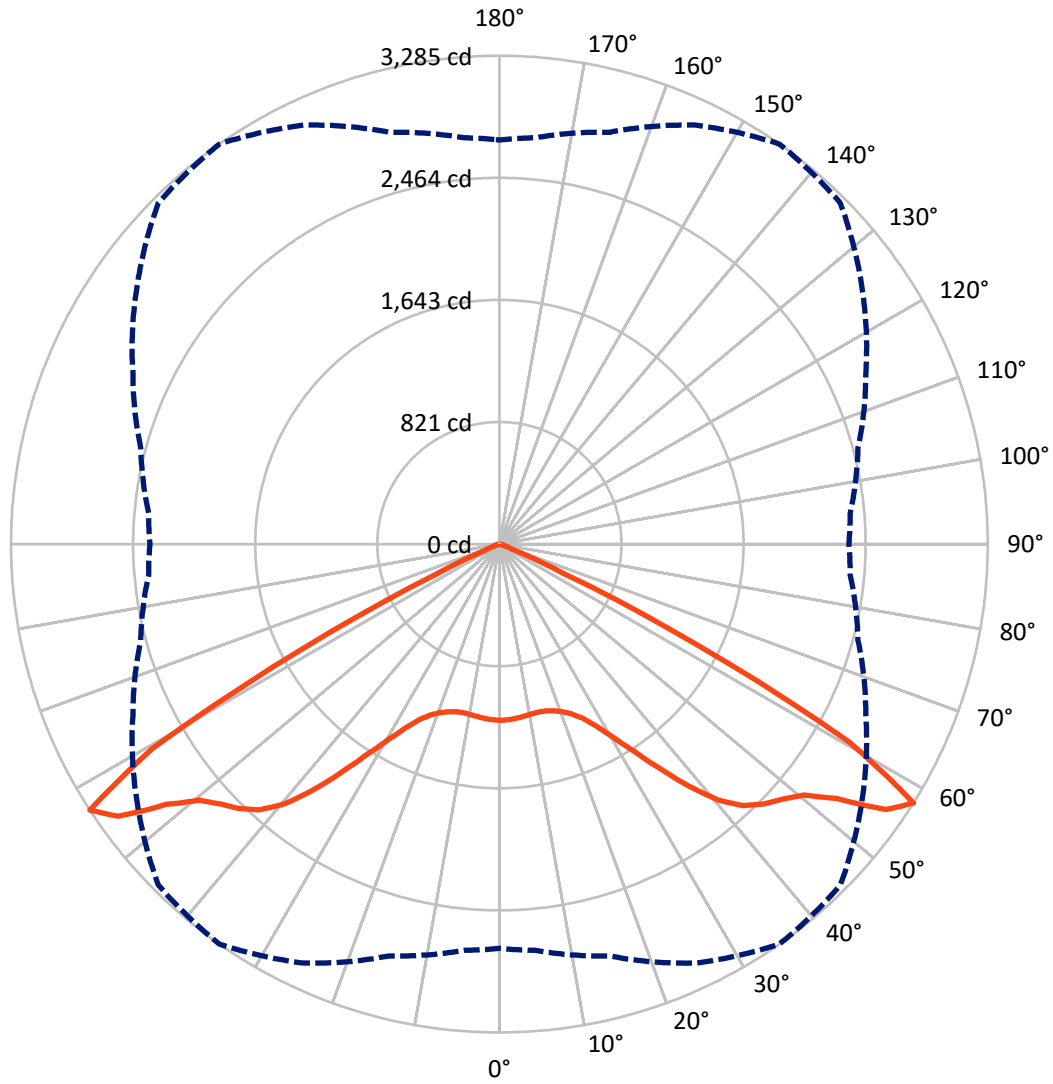
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3567.0 | 0.0 | 3567.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3567.0 | 0.0 | 3567.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7134.0 | 0.0 | 7134.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 111.7 | 1.6 |
| 10°-20° | 328.7 | 4.6 |
| 20°-30° | 594.2 | 8.3 |
| 30°-40° | 1108.5 | 15.5 |
| 40°-50° | 1859.5 | 26.1 |
| 50°-60° | 2455.6 | 34.4 |
| 60°-70° | 652.2 | 9.1 |
| 70°-80° | 23.2 | 0.3 |
| 80°-90° | 0.4 | 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° | 7134.0 | 100.0 |
| 0°-180° | 7134.0 | 100.0 |

Coefficient of Utilization



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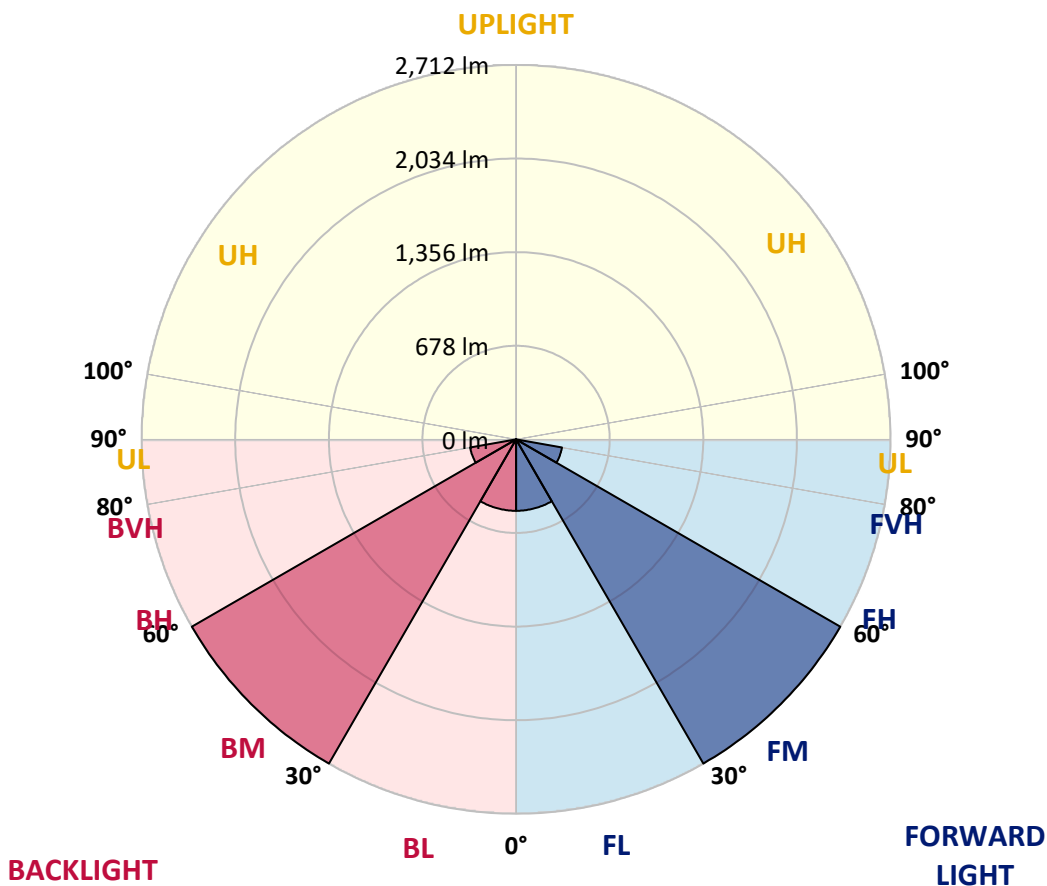
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 517.3 | 7.3 | | | |
| FM (30°-60°) | 2711.8 | 38.0 | | | |
| FH (60°-80°) | 337.7 | 4.7 | | | G0/660 |
| FVH (80°-90°) | 0.2 | 0.0 | | | G0/10 |
| BL (0°-30°) | 517.3 | 7.3 | B2/1000 | | |
| BM (30°-60°) | 2711.8 | 38.0 | B3/5000 | | |
| BH (60°-80°) | 337.7 | 4.7 | B1/500 | | 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° | 1186.1 | 1186.1 | 1186.1 | 1186.1 | 1186.1 | 1186.1 | 1186.1 | 1186.1 | 1186.1 | 1186.1 | 1186.1 |
| 2.5° | 1177.7 | 1176.9 | 1180.2 | 1182.7 | 1182.7 | 1188.6 | 1186.9 | 1185.3 | 1183.6 | 1181.1 | 1186.9 |
| 5° | 1176.0 | 1175.2 | 1177.7 | 1179.4 | 1177.7 | 1182.7 | 1179.4 | 1176.0 | 1174.4 | 1171.0 | 1177.7 |
| 7.5° | 1168.5 | 1169.4 | 1171.0 | 1172.7 | 1170.2 | 1174.4 | 1170.2 | 1165.2 | 1161.0 | 1157.6 | 1163.5 |
| 10° | 1156.8 | 1157.6 | 1159.3 | 1162.7 | 1163.5 | 1169.4 | 1163.5 | 1154.3 | 1148.4 | 1143.4 | 1149.3 |
| 12.5° | 1150.9 | 1151.8 | 1154.3 | 1158.5 | 1159.3 | 1166.8 | 1159.3 | 1145.9 | 1137.5 | 1131.7 | 1137.5 |
| 15° | 1152.6 | 1154.3 | 1157.6 | 1162.7 | 1164.3 | 1171.9 | 1161.8 | 1144.2 | 1132.5 | 1125.0 | 1130.0 |
| 17.5° | 1158.5 | 1160.1 | 1165.2 | 1173.5 | 1179.4 | 1186.9 | 1174.4 | 1151.8 | 1135.9 | 1125.0 | 1130.0 |
| 20° | 1166.0 | 1168.5 | 1176.9 | 1190.3 | 1202.8 | 1216.2 | 1200.3 | 1169.4 | 1148.4 | 1135.0 | 1139.2 |
| 22.5° | 1186.9 | 1189.4 | 1201.2 | 1218.7 | 1239.7 | 1256.4 | 1237.2 | 1197.8 | 1169.4 | 1151.8 | 1156.0 |
| 25° | 1229.6 | 1232.1 | 1247.2 | 1269.8 | 1296.6 | 1318.3 | 1294.1 | 1244.7 | 1207.9 | 1187.8 | 1189.4 |
| 27.5° | 1296.6 | 1299.1 | 1316.7 | 1348.5 | 1384.5 | 1415.4 | 1380.3 | 1322.5 | 1280.7 | 1257.2 | 1257.2 |
| 30° | 1381.1 | 1384.5 | 1407.9 | 1450.6 | 1506.7 | 1547.7 | 1500.0 | 1429.7 | 1376.1 | 1344.3 | 1345.1 |
| 32.5° | 1489.9 | 1486.6 | 1520.1 | 1578.7 | 1658.2 | 1712.6 | 1642.3 | 1556.9 | 1490.8 | 1446.4 | 1450.6 |
| 35° | 1629.7 | 1628.9 | 1666.6 | 1746.1 | 1849.9 | 1915.2 | 1831.5 | 1721.0 | 1641.4 | 1596.2 | 1597.1 |
| 37.5° | 1809.7 | 1808.9 | 1852.4 | 1938.6 | 2063.3 | 2117.7 | 2024.0 | 1911.8 | 1826.4 | 1782.9 | 1787.9 |
| 40° | 2020.6 | 2015.6 | 2054.1 | 2137.0 | 2261.7 | 2296.8 | 2194.7 | 2104.3 | 2022.3 | 1994.7 | 2008.1 |
| 42.5° | 2221.5 | 2210.6 | 2233.2 | 2308.6 | 2404.8 | 2409.9 | 2332.8 | 2270.9 | 2214.8 | 2193.1 | 2201.4 |
| 45° | 2383.1 | 2374.7 | 2395.6 | 2439.1 | 2494.4 | 2469.3 | 2432.5 | 2413.2 | 2368.0 | 2344.6 | 2352.1 |
| 47.5° | 2503.6 | 2503.6 | 2528.7 | 2555.5 | 2563.9 | 2517.8 | 2523.7 | 2523.7 | 2478.5 | 2441.7 | 2432.5 |
| 50° | 2607.4 | 2614.9 | 2652.6 | 2680.2 | 2652.6 | 2594.0 | 2627.5 | 2620.8 | 2528.7 | 2455.1 | 2435.8 |
| 52.5° | 2773.1 | 2780.7 | 2838.4 | 2876.1 | 2845.1 | 2787.4 | 2791.5 | 2707.8 | 2572.2 | 2485.2 | 2455.1 |
| 55° | 2948.9 | 2967.3 | 3051.0 | 3151.5 | 3152.3 | 3092.9 | 2982.4 | 2834.2 | 2669.3 | 2574.7 | 2543.8 |
| 57.5° | 2718.7 | 2743.8 | 2868.6 | 3110.5 | 3285.4 | 3244.4 | 2980.7 | 2720.4 | 2497.7 | 2368.8 | 2351.3 |
| 60° | 1870.8 | 1914.3 | 2039.0 | 2369.7 | 2707.0 | 2722.9 | 2411.5 | 2119.4 | 1864.1 | 1705.1 | 1708.4 |
| 62.5° | 790.2 | 834.5 | 904.8 | 1176.9 | 1486.6 | 1505.8 | 1355.2 | 1145.9 | 937.5 | 822.8 | 840.4 |
| 65° | 185.8 | 198.4 | 219.3 | 325.6 | 472.1 | 493.9 | 455.4 | 354.9 | 262.0 | 221.8 | 226.0 |
| 67.5° | 81.2 | 82.9 | 78.7 | 83.7 | 103.8 | 106.3 | 103.0 | 90.4 | 85.4 | 87.1 | 87.1 |
| 70° | 56.9 | 57.8 | 54.4 | 51.9 | 49.4 | 46.0 | 47.7 | 52.7 | 56.9 | 60.3 | 59.4 |
| 72.5° | 35.2 | 36.0 | 36.8 | 36.8 | 34.3 | 31.0 | 32.6 | 36.0 | 36.8 | 37.7 | 36.8 |
| 75° | 17.6 | 18.4 | 20.1 | 20.9 | 20.1 | 19.3 | 19.3 | 20.1 | 20.1 | 19.3 | 19.3 |
| 77.5° | 3.3 | 4.2 | 5.9 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 7.5 | 6.7 | 6.7 |
| 80° | 0.8 | 0.8 | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.7 | 1.7 |
| 82.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 |
| 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)