

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: P631799

Luminaire Tested: GWS-SA2B-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-740-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6042.6 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

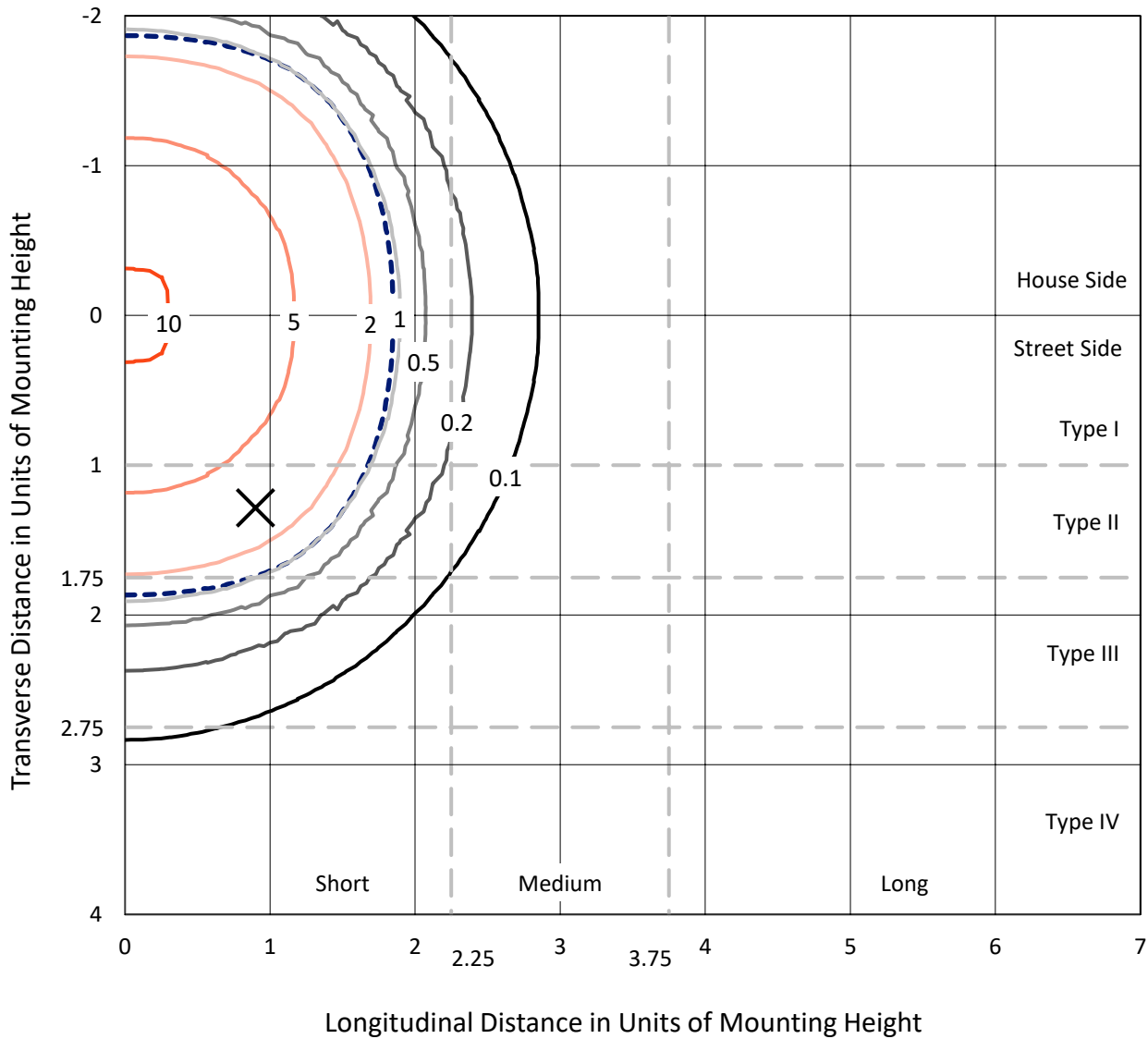
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

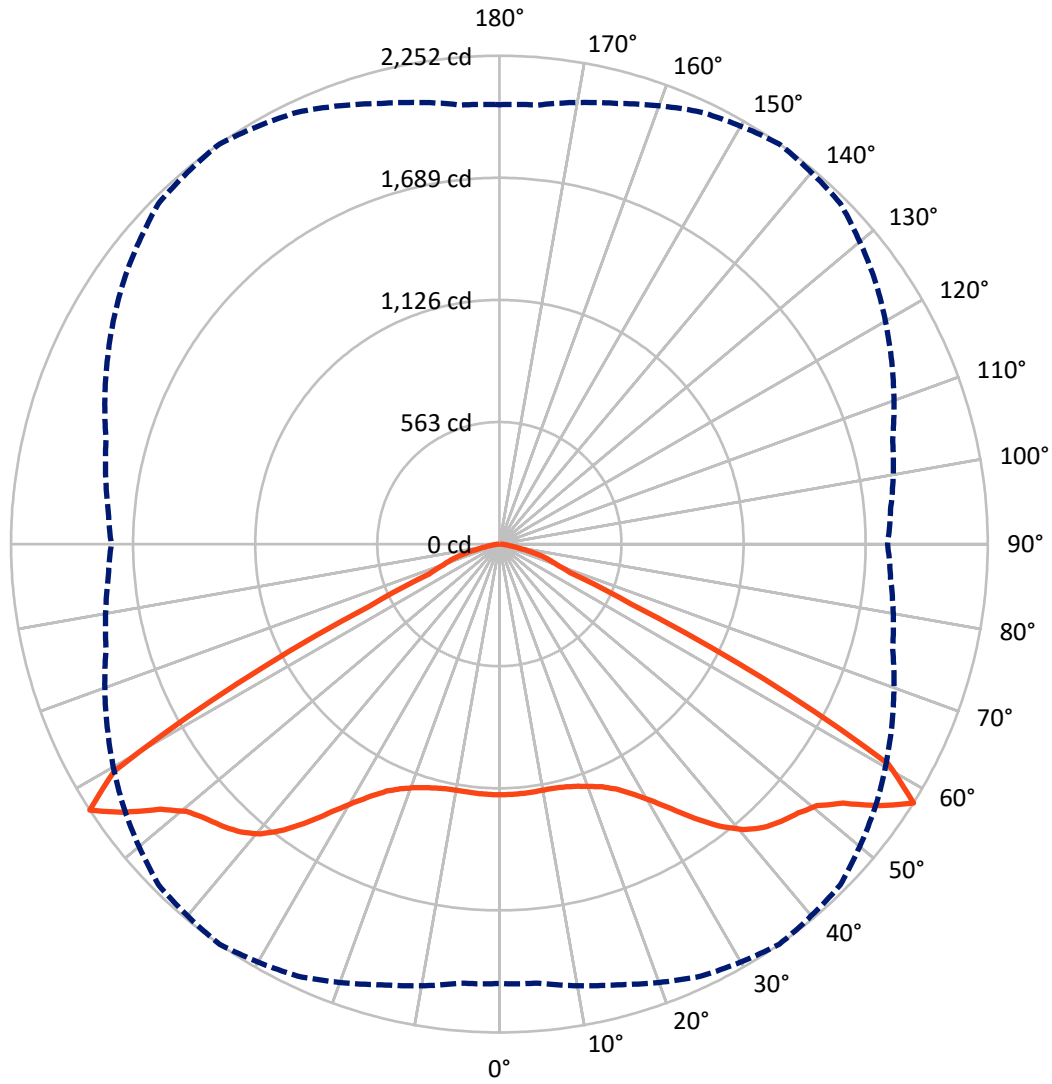
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 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	3021.3	0.0	3021.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3021.3	0.0	3021.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6042.6	0.0	6042.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	1.8
10°-20°	328.2	5.4
20°-30°	572.6	9.5
30°-40°	938.9	15.5
40°-50°	1382.8	22.9
50°-60°	1764.7	29.2
60°-70°	743.7	12.3
70°-80°	177.7	2.9
80°-90°	24.2	0.4
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°	6042.6	100.0
0°-180°	6042.6	100.0

Coefficient of Utilization



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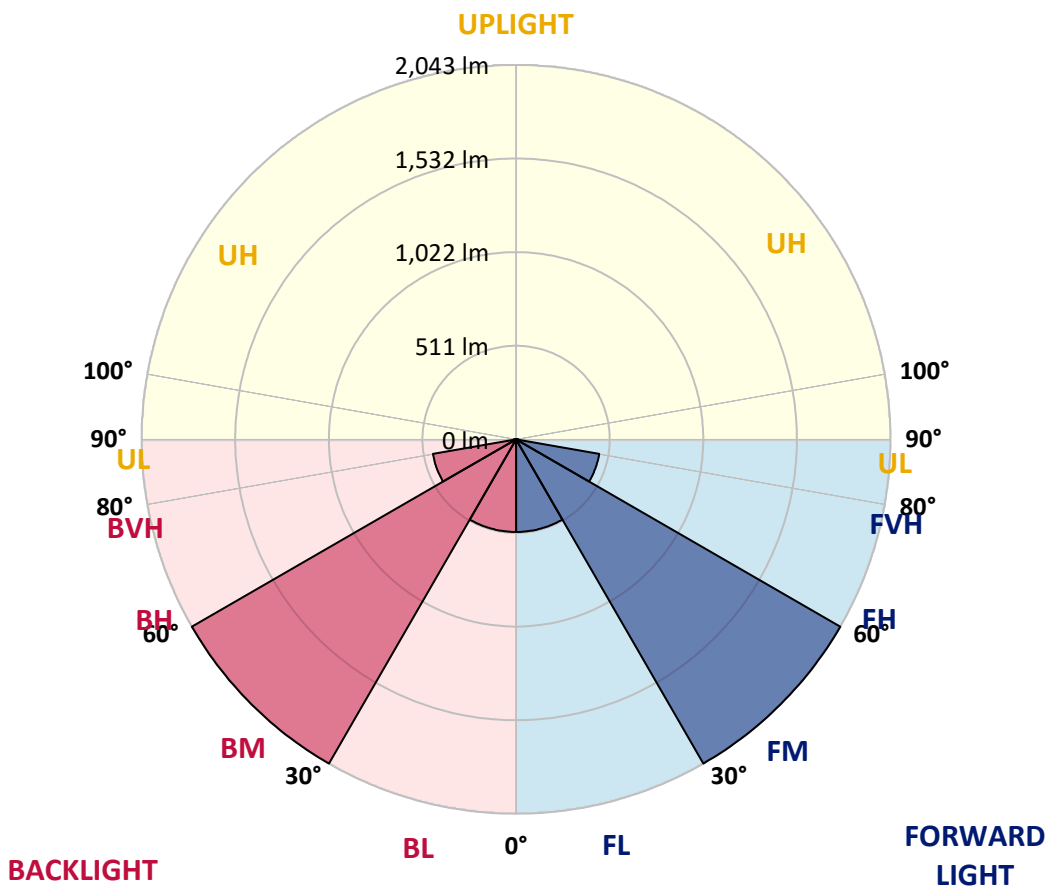
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	505.4	8.4			
FM (30°-60°)	2043.2	33.8			
FH (60°-80°)	460.7	7.6			G0/660
FVH (80°-90°)	12.1	0.2			G1/100
BL (0°-30°)	505.4	8.4	B2/1000		
BM (30°-60°)	2043.2	33.8	B2/2500		
BH (60°-80°)	460.7	7.6	B1/500		G0/660
BVH (80°-90°)	12.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1156.2	1156.2	1156.2	1156.2	1156.2	1156.2	1156.2	1156.2	1156.2	1156.2	1156.2
2.5°	1149.3	1149.3	1151.7	1154.2	1155.2	1159.6	1159.2	1157.7	1156.7	1153.7	1157.7
5°	1151.7	1151.7	1153.7	1155.2	1154.7	1158.2	1156.7	1154.2	1152.7	1149.8	1154.2
7.5°	1151.2	1151.2	1152.7	1154.2	1153.2	1156.2	1153.7	1150.2	1147.8	1144.8	1148.8
10°	1144.8	1145.8	1147.3	1150.7	1152.2	1156.7	1153.2	1147.8	1143.8	1140.4	1144.3
12.5°	1143.8	1144.8	1146.8	1151.2	1153.7	1160.1	1155.7	1146.8	1140.8	1136.4	1140.4
15°	1148.3	1149.3	1152.2	1157.7	1161.6	1168.6	1162.1	1149.8	1141.3	1135.4	1138.9
17.5°	1153.7	1155.2	1159.6	1167.6	1174.0	1181.4	1173.5	1158.7	1146.8	1138.9	1141.8
20°	1159.6	1161.6	1168.6	1180.4	1192.3	1201.7	1191.8	1172.0	1157.7	1147.3	1150.2
22.5°	1170.0	1172.5	1181.4	1198.2	1216.0	1229.9	1217.5	1190.8	1172.0	1158.7	1161.1
25°	1191.3	1194.3	1205.7	1225.9	1251.2	1268.0	1250.7	1220.5	1194.3	1178.0	1180.4
27.5°	1228.9	1230.4	1245.2	1271.9	1303.1	1322.4	1301.6	1266.0	1236.8	1218.0	1220.0
30°	1278.4	1282.8	1297.7	1332.8	1369.9	1395.6	1368.4	1326.4	1292.7	1270.0	1271.9
32.5°	1338.7	1341.7	1364.0	1400.6	1454.0	1483.7	1446.6	1396.6	1356.1	1328.3	1330.3
35°	1417.9	1420.4	1441.6	1488.1	1553.0	1580.7	1538.1	1480.7	1433.7	1407.5	1414.9
37.5°	1512.4	1516.8	1532.2	1578.2	1650.4	1677.6	1628.6	1575.2	1526.2	1502.0	1507.4
40°	1613.8	1613.3	1625.7	1666.2	1732.0	1748.9	1704.8	1662.3	1620.2	1604.4	1613.3
42.5°	1700.9	1698.4	1707.3	1741.0	1786.5	1788.0	1758.8	1735.0	1705.3	1694.4	1702.9
45°	1761.7	1762.7	1776.1	1799.3	1822.6	1810.2	1801.3	1797.4	1774.1	1759.3	1760.7
47.5°	1809.7	1813.7	1835.0	1850.8	1853.8	1833.0	1845.3	1851.3	1832.0	1809.2	1802.8
50°	1852.3	1858.7	1886.4	1903.2	1896.8	1870.6	1894.8	1903.7	1861.2	1817.6	1804.8
52.5°	1929.4	1936.9	1970.5	1992.3	1984.9	1958.6	1981.4	1949.7	1878.0	1824.6	1808.2
55°	2052.6	2056.1	2097.2	2132.8	2129.3	2097.2	2078.9	2008.6	1921.5	1866.1	1850.8
57.5°	2026.4	2032.3	2103.6	2198.6	2252.0	2222.8	2115.5	1995.7	1877.5	1810.7	1789.9
60°	1594.5	1608.9	1697.4	1864.6	2060.5	2060.1	1860.7	1674.7	1532.2	1443.6	1434.7
62.5°	931.1	941.0	1021.6	1190.8	1366.4	1377.3	1237.3	1109.7	985.0	925.1	896.4
65°	440.8	440.3	472.5	548.7	667.4	676.8	634.7	565.0	491.3	471.0	465.5
67.5°	325.5	325.5	323.1	328.5	351.3	356.2	351.3	339.9	333.0	337.4	334.4
70°	282.5	283.0	280.0	278.5	278.5	277.0	279.0	283.5	286.4	292.4	289.4
72.5°	229.1	229.6	229.6	230.0	230.5	228.6	231.5	234.0	234.5	236.5	234.5
75°	162.8	163.8	166.7	169.2	171.2	171.2	172.2	172.7	170.7	173.2	169.2
77.5°	89.5	90.5	96.0	100.4	104.9	105.4	106.9	107.9	106.9	108.8	105.9
80°	49.5	50.5	52.9	54.9	58.4	61.3	63.3	64.3	64.3	65.8	64.3
82.5°	28.2	29.2	30.7	31.7	34.6	37.1	39.1	40.6	40.6	41.1	40.1
85°	13.4	13.4	14.3	15.3	16.8	17.8	20.3	21.8	21.8	22.8	21.8
87.5°	2.0	2.5	3.0	3.0	4.0	4.9	5.9	6.4	7.4	7.9	7.9
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)