

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: P631854

Luminaire Tested: GWS-SA2B-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631854
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6181.1 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

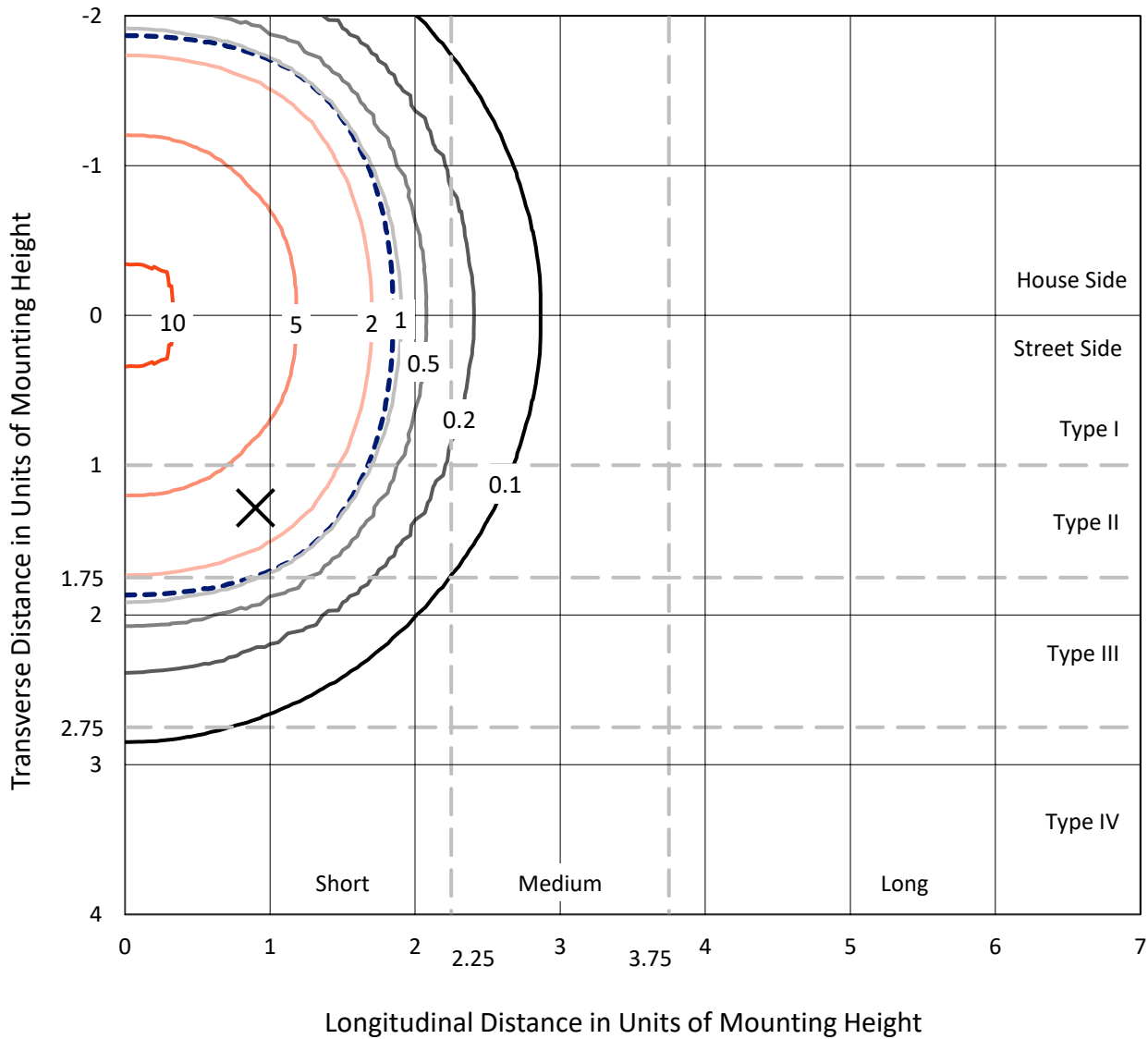
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

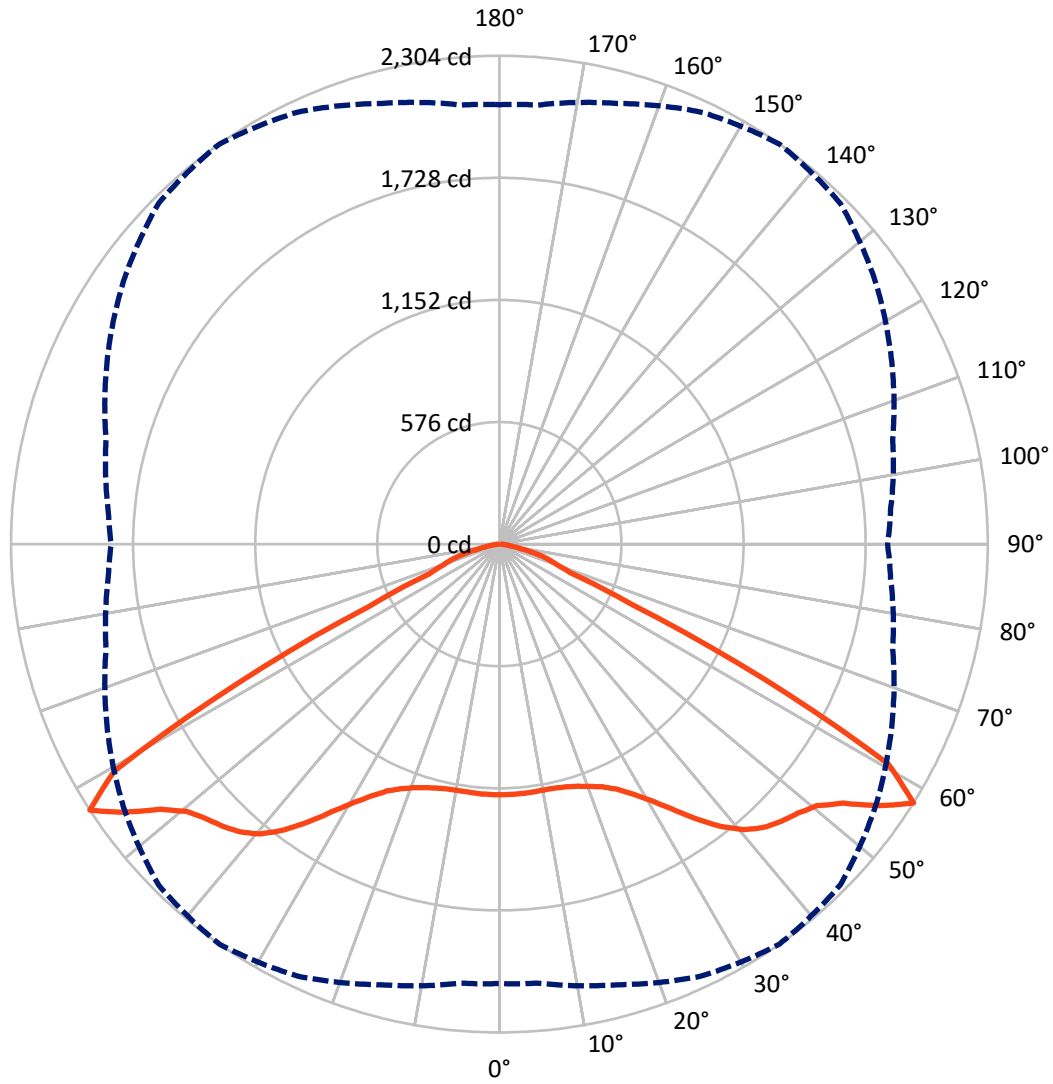
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 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	3090.5	0.0	3090.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3090.5	0.0	3090.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6181.1	0.0	6181.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	1.8
10°-20°	335.7	5.4
20°-30°	585.7	9.5
30°-40°	960.4	15.5
40°-50°	1414.5	22.9
50°-60°	1805.1	29.2
60°-70°	760.8	12.3
70°-80°	181.7	2.9
80°-90°	24.7	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°	6181.1	100.0
0°-180°	6181.1	100.0

Coefficient of Utilization



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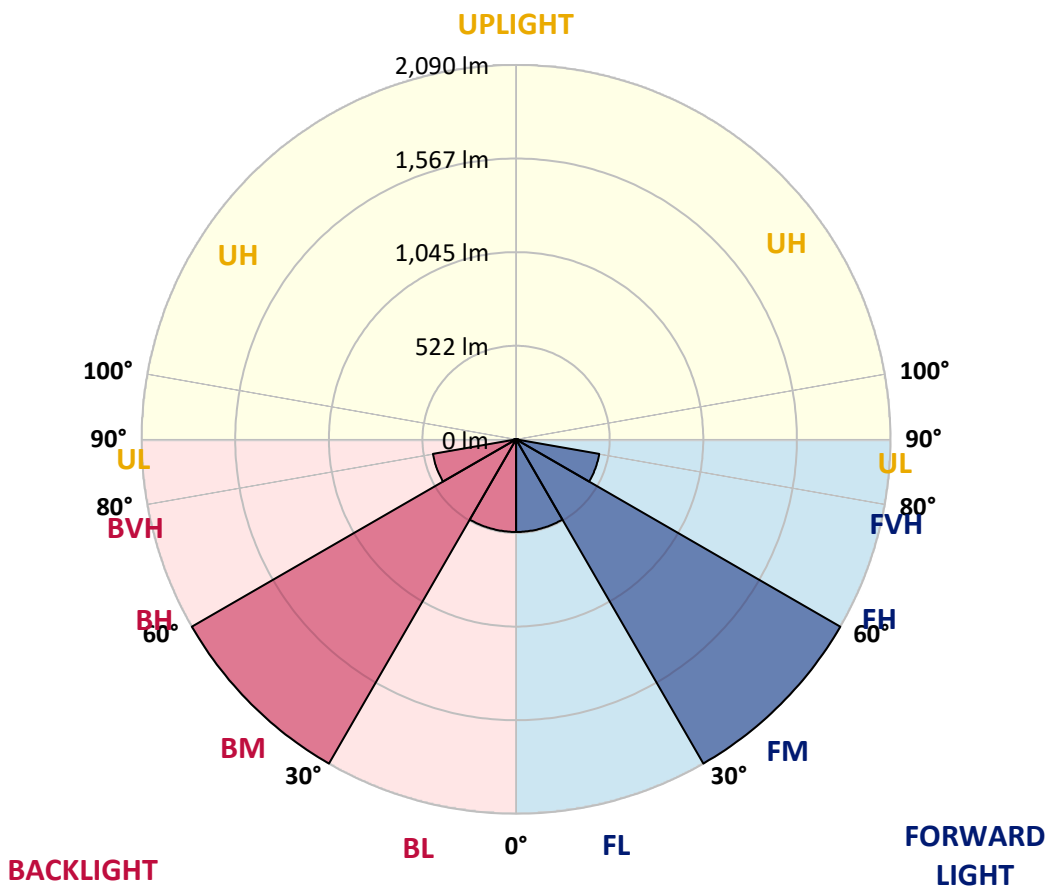
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	516.9	8.4			
FM (30°-60°)	2090.0	33.8			
FH (60°-80°)	471.2	7.6			G0/660
FVH (80°-90°)	12.4	0.2			G1/100
BL (0°-30°)	516.9	8.4	B2/1000		
BM (30°-60°)	2090.0	33.8	B2/2500		
BH (60°-80°)	471.2	7.6	B1/500		G0/660
BVH (80°-90°)	12.4	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°	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7
2.5°	1175.6	1175.6	1178.1	1180.7	1181.7	1186.2	1185.7	1184.2	1183.2	1180.2	1184.2
5°	1178.1	1178.1	1180.2	1181.7	1181.2	1184.7	1183.2	1180.7	1179.1	1176.1	1180.7
7.5°	1177.6	1177.6	1179.1	1180.7	1179.6	1182.7	1180.2	1176.6	1174.1	1171.0	1175.1
10°	1171.0	1172.1	1173.6	1177.1	1178.6	1183.2	1179.6	1174.1	1170.0	1166.5	1170.5
12.5°	1170.0	1171.0	1173.1	1177.6	1180.2	1186.7	1182.2	1173.1	1167.0	1162.4	1166.5
15°	1174.6	1175.6	1178.6	1184.2	1188.2	1195.3	1188.8	1176.1	1167.5	1161.4	1165.0
17.5°	1180.2	1181.7	1186.2	1194.3	1200.9	1208.5	1200.4	1185.2	1173.1	1165.0	1168.0
20°	1186.2	1188.2	1195.3	1207.5	1219.6	1229.2	1219.1	1198.9	1184.2	1173.6	1176.6
22.5°	1196.9	1199.4	1208.5	1225.7	1243.9	1258.1	1245.4	1218.1	1198.9	1185.2	1187.7
25°	1218.6	1221.7	1233.3	1254.0	1279.8	1297.1	1279.3	1248.5	1221.7	1204.9	1207.5
27.5°	1257.1	1258.6	1273.8	1301.1	1333.0	1352.7	1331.5	1295.0	1265.2	1245.9	1248.0
30°	1307.7	1312.2	1327.4	1363.3	1401.3	1427.6	1399.8	1356.8	1322.4	1299.1	1301.1
32.5°	1369.4	1372.5	1395.2	1432.7	1487.3	1517.7	1479.7	1428.6	1387.1	1358.8	1360.8
35°	1450.4	1452.9	1474.7	1522.3	1588.5	1616.9	1573.4	1514.7	1466.6	1439.8	1447.4
37.5°	1547.1	1551.6	1567.3	1614.4	1688.2	1716.1	1666.0	1611.3	1561.2	1536.4	1542.0
40°	1650.8	1650.3	1662.9	1704.4	1771.7	1789.0	1743.9	1700.4	1657.4	1641.2	1650.3
42.5°	1739.9	1737.3	1746.4	1780.9	1827.4	1828.9	1799.1	1774.8	1744.4	1733.3	1741.9
45°	1802.1	1803.1	1816.8	1840.6	1864.4	1851.7	1842.6	1838.5	1814.8	1799.6	1801.1
47.5°	1851.2	1855.2	1877.0	1893.2	1896.2	1875.0	1887.6	1893.7	1874.0	1850.7	1844.1
50°	1894.7	1901.3	1929.6	1946.8	1940.3	1913.4	1938.2	1947.4	1903.8	1859.3	1846.1
52.5°	1973.7	1981.3	2015.7	2037.9	2030.3	2003.5	2026.8	1994.4	1921.0	1866.4	1849.7
55°	2099.7	2103.2	2145.2	2181.7	2178.1	2145.2	2126.5	2054.6	1965.6	1908.9	1893.2
57.5°	2072.9	2078.9	2151.8	2249.0	2303.6	2273.8	2164.0	2041.5	1920.5	1852.2	1831.0
60°	1631.1	1645.7	1736.3	1907.4	2107.8	2107.3	1903.3	1713.0	1567.3	1476.7	1467.6
62.5°	952.4	962.5	1045.0	1218.1	1397.8	1408.9	1265.7	1135.1	1007.6	946.3	917.0
65°	450.9	450.4	483.3	561.2	682.7	692.3	649.3	577.9	502.5	481.8	476.2
67.5°	333.0	333.0	330.5	336.0	359.3	364.4	359.3	347.7	340.6	345.1	342.1
70°	289.0	289.5	286.4	284.9	284.9	283.4	285.4	290.0	293.0	299.1	296.1
72.5°	234.3	234.8	234.8	235.3	235.8	233.8	236.8	239.4	239.9	241.9	239.9
75°	166.5	167.5	170.5	173.1	175.1	175.1	176.1	176.6	174.6	177.1	173.1
77.5°	91.6	92.6	98.2	102.7	107.3	107.8	109.3	110.3	109.3	111.3	108.3
80°	50.6	51.6	54.1	56.2	59.7	62.8	64.8	65.8	65.8	67.3	65.8
82.5°	28.8	29.9	31.4	32.4	35.4	38.0	40.0	41.5	41.5	42.0	41.0
85°	13.7	13.7	14.7	15.7	17.2	18.2	20.7	22.3	22.3	23.3	22.3
87.5°	2.0	2.5	3.0	3.0	4.0	5.1	6.1	6.6	7.6	8.1	8.1
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)