

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: P630812

Luminaire Tested: GWS-SA1E-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6869.5 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

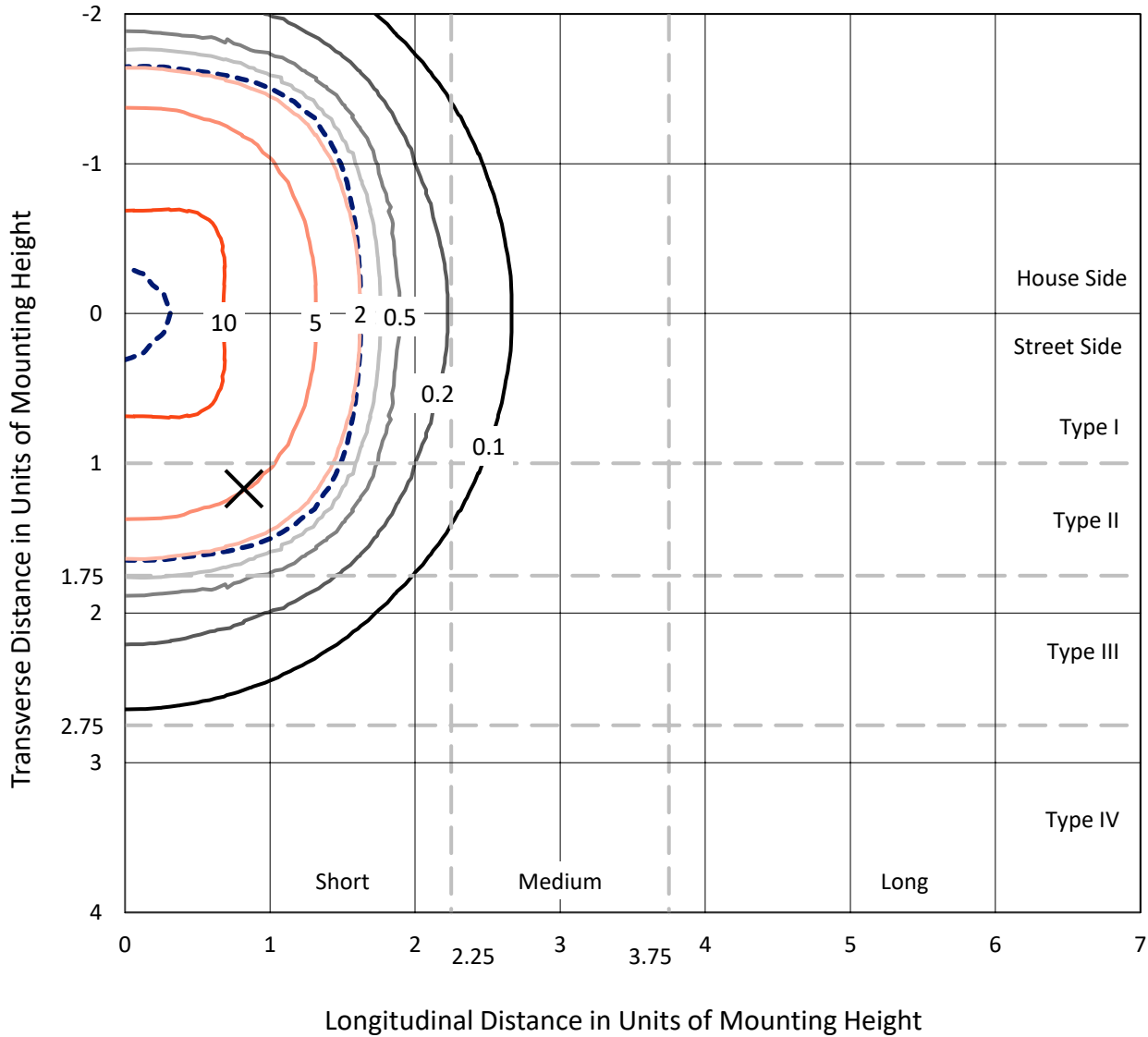
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

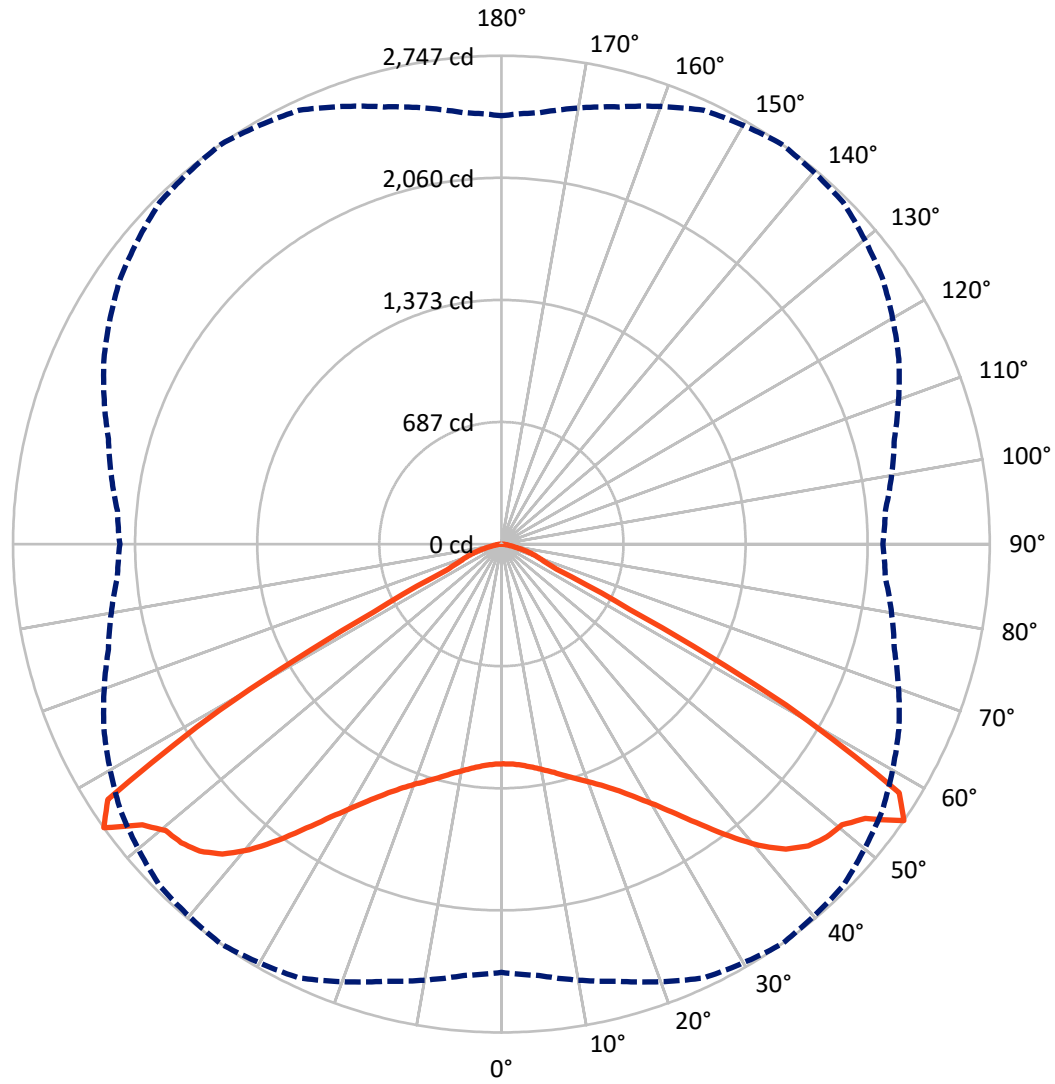
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3434.7	0.0	3434.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3434.7	0.0	3434.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6869.5	0.0	6869.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	1.8
10°-20°	383.8	5.6
20°-30°	710.3	10.3
30°-40°	1188.2	17.3
40°-50°	1810.6	26.4
50°-60°	2028.2	29.5
60°-70°	479.9	7.0
70°-80°	129.4	1.9
80°-90°	18.6	0.3
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°	6869.5	100.0
0°-180°	6869.5	100.0

Coefficient of Utilization



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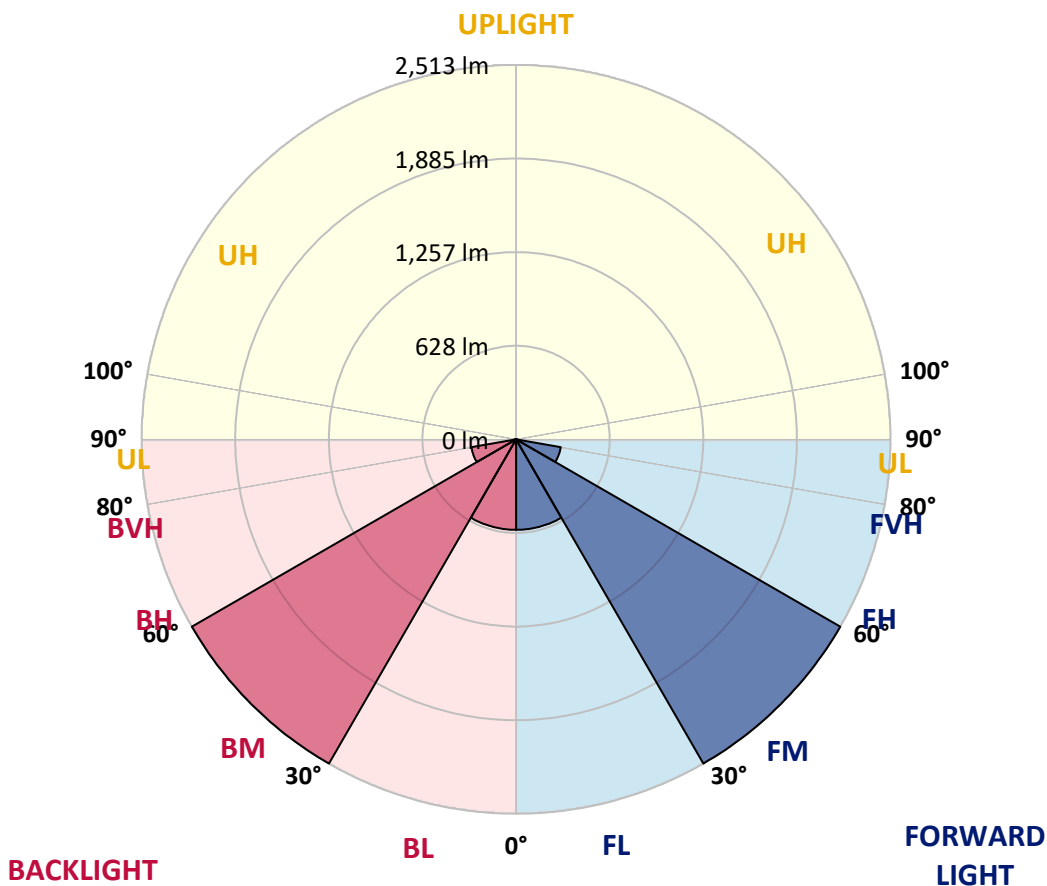
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	607.3	8.8			
FM (30°-60°)	2513.5	36.6			
FH (60°-80°)	304.6	4.4			G0/660
FVH (80°-90°)	9.3	0.1			G0/10
BL (0°-30°)	607.3	8.8	B2/1000		
BM (30°-60°)	2513.5	36.6	B3/5000		
BH (60°-80°)	304.6	4.4	B1/500		G0/660
BVH (80°-90°)	9.3	0.1			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°	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8
2.5°	1233.1	1233.1	1235.3	1238.0	1238.6	1244.0	1242.9	1240.7	1239.6	1237.5	1242.4
5°	1246.7	1247.2	1248.9	1250.5	1249.4	1253.8	1252.1	1249.4	1247.8	1245.1	1250.0
7.5°	1264.6	1264.6	1266.3	1268.4	1267.3	1273.9	1270.6	1266.8	1264.1	1260.8	1265.2
10°	1280.9	1282.0	1283.6	1288.0	1290.2	1297.2	1295.1	1289.6	1285.3	1281.5	1286.4
12.5°	1305.4	1306.5	1308.1	1314.1	1317.9	1324.9	1321.7	1314.1	1307.5	1302.1	1307.5
15°	1336.9	1335.8	1340.1	1347.7	1352.6	1359.2	1355.4	1342.3	1333.6	1326.6	1332.0
17.5°	1368.9	1368.4	1372.7	1382.5	1389.6	1398.3	1391.7	1376.5	1367.3	1358.6	1364.0
20°	1403.7	1405.3	1409.7	1418.9	1429.2	1440.6	1435.2	1418.9	1408.6	1398.8	1403.2
22.5°	1446.6	1447.2	1452.0	1464.0	1477.6	1488.4	1485.2	1465.1	1452.0	1441.7	1447.2
25°	1498.2	1497.7	1504.2	1518.3	1537.3	1548.2	1541.1	1518.9	1504.7	1492.8	1497.1
27.5°	1557.4	1556.9	1566.7	1585.1	1612.3	1627.5	1612.8	1585.1	1565.6	1548.7	1552.5
30°	1631.9	1630.2	1641.1	1666.1	1701.4	1726.9	1705.2	1666.6	1641.1	1623.2	1627.0
32.5°	1714.4	1716.6	1730.2	1763.9	1808.4	1841.5	1808.9	1766.0	1731.8	1705.7	1710.1
35°	1805.1	1805.1	1832.8	1874.7	1938.2	1982.2	1931.7	1869.8	1824.2	1788.3	1789.4
37.5°	1906.2	1907.3	1943.7	2001.2	2084.4	2136.0	2067.5	1990.9	1935.5	1896.9	1894.8
40°	2029.5	2032.8	2070.2	2134.3	2227.8	2275.0	2201.7	2126.7	2070.2	2024.6	2020.3
42.5°	2168.6	2169.6	2209.3	2266.9	2345.7	2373.9	2316.3	2254.9	2208.8	2167.5	2163.1
45°	2301.1	2298.4	2332.6	2375.5	2421.2	2423.9	2391.8	2366.8	2326.6	2291.3	2284.8
47.5°	2404.3	2402.1	2433.1	2456.5	2461.9	2435.3	2445.6	2449.4	2402.7	2354.9	2342.4
50°	2467.3	2471.7	2501.0	2514.1	2482.0	2438.5	2477.7	2467.9	2401.1	2338.6	2318.5
52.5°	2505.4	2511.9	2562.9	2596.1	2562.9	2521.7	2527.1	2469.5	2373.4	2290.8	2264.7
55°	2409.2	2435.3	2545.6	2692.2	2746.6	2717.8	2614.6	2466.3	2288.1	2168.0	2145.7
57.5°	1785.6	1826.9	1990.4	2308.2	2638.5	2743.3	2441.8	2067.5	1797.5	1643.3	1630.2
60°	911.5	957.7	1088.6	1415.1	1839.9	1987.7	1700.8	1323.8	1052.2	927.3	913.2
62.5°	372.1	379.7	422.6	548.7	813.2	938.2	824.1	578.5	434.6	400.4	400.9
65°	292.8	294.4	292.3	299.9	340.6	378.1	349.3	306.9	299.3	303.1	300.4
67.5°	255.3	255.9	254.2	254.2	255.9	254.2	257.5	259.1	260.2	264.6	261.8
70°	213.5	214.0	214.0	215.1	214.6	211.9	216.7	218.9	219.5	222.2	220.6
72.5°	165.1	166.8	167.9	168.4	167.9	166.2	168.9	172.7	172.2	174.9	172.2
75°	111.9	114.1	115.2	117.3	116.8	116.8	120.1	121.7	120.1	122.2	120.1
77.5°	63.6	65.2	68.4	70.6	72.8	74.4	76.6	77.7	77.1	78.2	77.1
80°	36.9	37.5	40.2	41.3	44.0	46.7	48.9	50.0	50.5	51.1	50.5
82.5°	21.2	21.7	22.8	23.9	26.1	28.2	30.4	32.1	32.1	32.6	32.1
85°	10.3	10.3	10.9	11.4	12.5	14.1	15.8	17.4	17.9	17.9	17.9
87.5°	1.6	1.6	2.2	2.2	2.7	3.3	4.3	5.4	6.0	6.0	6.0
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)