

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: P630922

Luminaire Tested: GWS-SA1E-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630922
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6930.6 lumens
Efficiency: N/A
Efficacy: 118.7 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

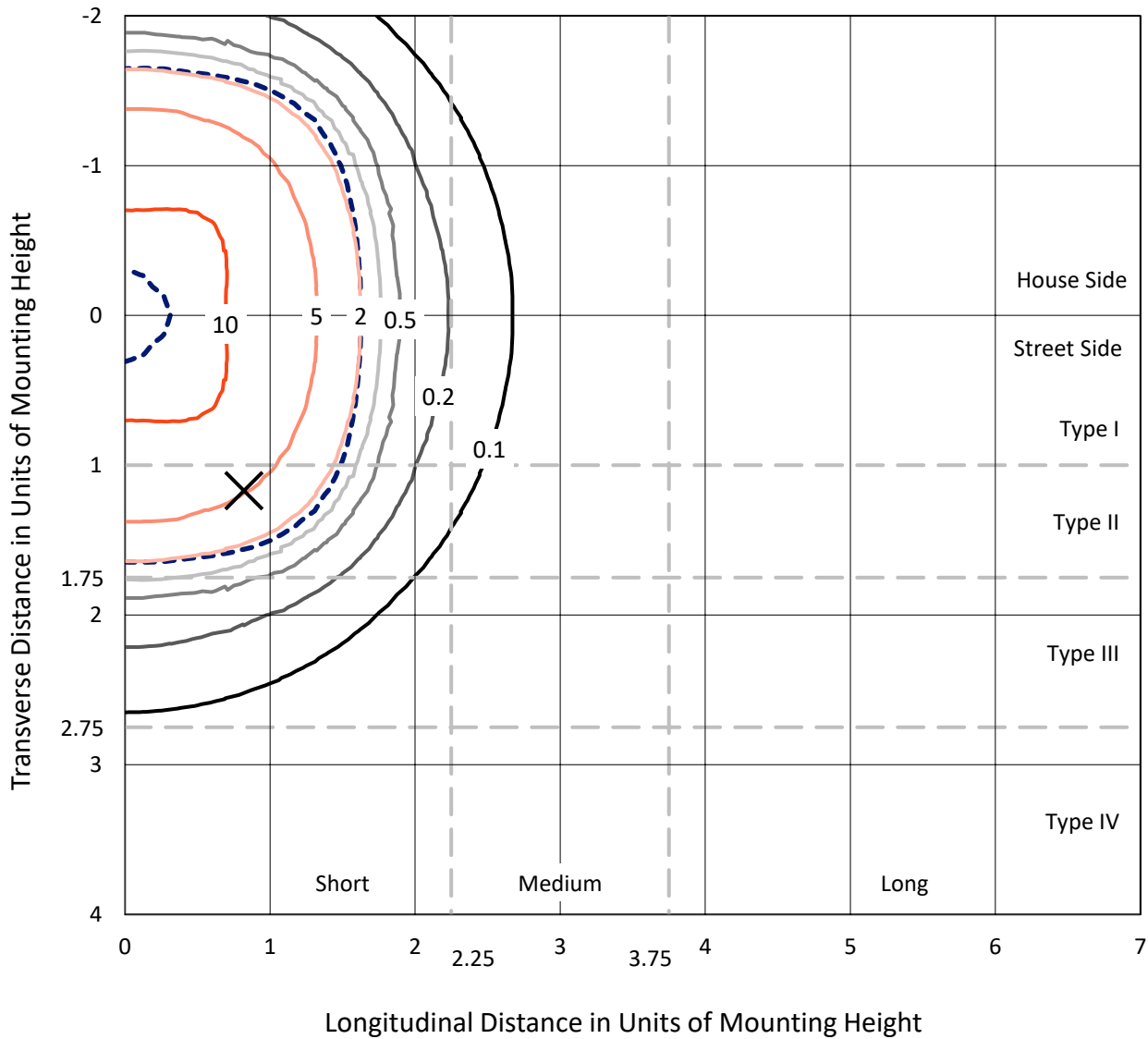


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Iso-Footcandle Lines of Horizontal Illumination

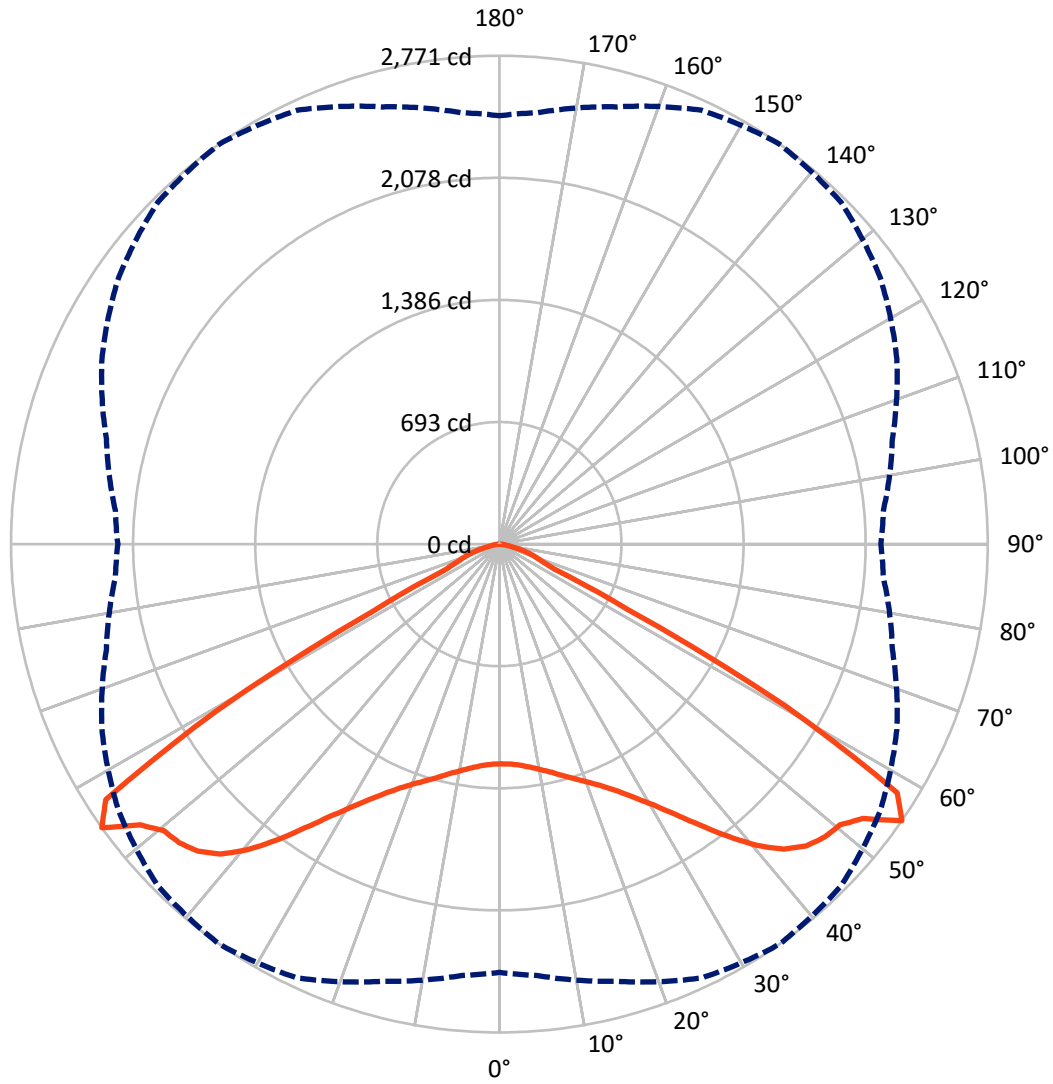
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 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	3465.3	0.0	3465.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3465.3	0.0	3465.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6930.6	0.0	6930.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	1.8
10°-20°	387.2	5.6
20°-30°	716.6	10.3
30°-40°	1198.7	17.3
40°-50°	1826.7	26.4
50°-60°	2046.3	29.5
60°-70°	484.2	7.0
70°-80°	130.5	1.9
80°-90°	18.8	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°	6930.6	100.0
0°-180°	6930.6	100.0

Coefficient of Utilization



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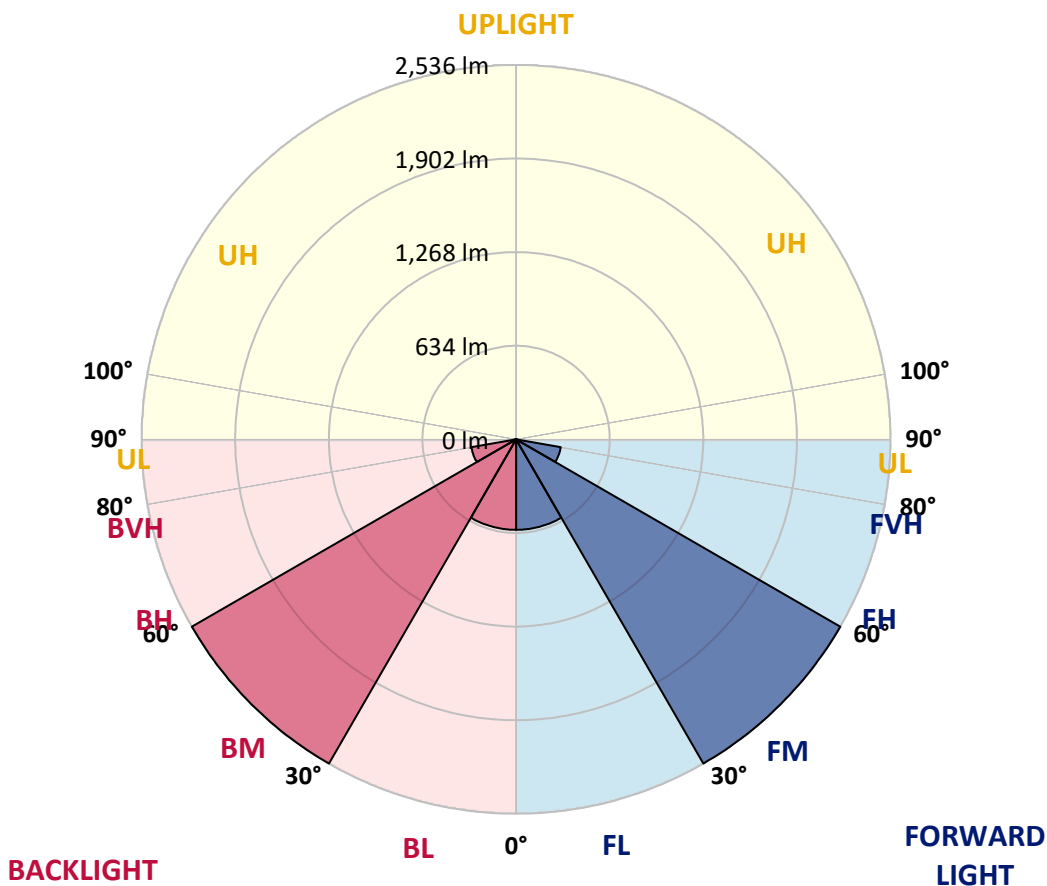
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	612.7	8.8			
FM (30°-60°)	2535.9	36.6			
FH (60°-80°)	307.3	4.4			G0/660
FVH (80°-90°)	9.4	0.1			G0/10
BL (0°-30°)	612.7	8.8	B2/1000		
BM (30°-60°)	2535.9	36.6	B3/5000		
BH (60°-80°)	307.3	4.4	B1/500		G0/660
BVH (80°-90°)	9.4	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°	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8
2.5°	1244.1	1244.1	1246.3	1249.0	1249.6	1255.1	1254.0	1251.8	1250.7	1248.5	1253.4
5°	1257.8	1258.3	1260.0	1261.6	1260.5	1264.9	1263.3	1260.5	1258.9	1256.2	1261.1
7.5°	1275.9	1275.9	1277.5	1279.7	1278.6	1285.2	1281.9	1278.1	1275.3	1272.0	1276.4
10°	1292.3	1293.4	1295.1	1299.4	1301.6	1308.8	1306.6	1301.1	1296.7	1292.9	1297.8
12.5°	1317.0	1318.1	1319.7	1325.8	1329.6	1336.7	1333.4	1325.8	1319.2	1313.7	1319.2
15°	1348.8	1347.7	1352.1	1359.7	1364.7	1371.2	1367.4	1354.3	1345.5	1338.4	1343.8
17.5°	1381.1	1380.6	1384.9	1394.8	1401.9	1410.7	1404.1	1388.8	1379.5	1370.7	1376.2
20°	1416.2	1417.8	1422.2	1431.5	1441.9	1453.5	1448.0	1431.5	1421.1	1411.3	1415.6
22.5°	1459.5	1460.0	1465.0	1477.0	1490.7	1501.7	1498.4	1478.1	1465.0	1454.5	1460.0
25°	1511.5	1511.0	1517.6	1531.8	1551.0	1562.0	1554.8	1532.4	1518.1	1506.1	1510.4
27.5°	1571.3	1570.7	1580.6	1599.2	1626.6	1642.0	1627.2	1599.2	1579.5	1562.5	1566.4
30°	1646.4	1644.7	1655.7	1680.9	1716.5	1742.3	1720.4	1681.4	1655.7	1637.6	1641.4
32.5°	1729.7	1731.9	1745.6	1779.5	1824.5	1857.9	1825.0	1781.7	1747.2	1720.9	1725.3
35°	1821.2	1821.2	1849.2	1891.4	1955.5	1999.9	1948.9	1886.4	1840.4	1804.2	1805.3
37.5°	1923.1	1924.2	1961.0	2019.0	2102.9	2155.0	2085.9	2008.6	1952.7	1913.8	1911.6
40°	2047.5	2050.8	2088.7	2153.3	2247.6	2295.3	2221.3	2145.6	2088.7	2042.6	2038.2
42.5°	2187.9	2188.9	2229.0	2287.0	2366.5	2395.0	2336.9	2275.0	2228.4	2186.8	2182.4
45°	2321.6	2318.8	2353.4	2396.7	2442.7	2445.4	2413.1	2387.9	2347.3	2311.7	2305.1
47.5°	2425.7	2423.5	2454.8	2478.3	2483.8	2456.9	2467.4	2471.2	2424.1	2375.8	2363.2
50°	2489.3	2493.7	2523.3	2536.4	2504.1	2460.2	2499.7	2489.8	2422.4	2359.4	2339.1
52.5°	2527.6	2534.2	2585.7	2619.2	2585.7	2544.1	2549.6	2491.5	2394.5	2311.2	2284.9
55°	2430.6	2456.9	2568.2	2716.2	2771.0	2741.9	2637.8	2488.2	2308.4	2187.3	2164.8
57.5°	1801.5	1843.1	2008.1	2328.7	2661.9	2767.7	2463.5	2085.9	1813.5	1657.9	1644.7
60°	919.6	966.2	1098.3	1427.7	1856.3	2005.3	1716.0	1335.6	1061.6	935.5	921.3
62.5°	375.4	383.1	426.4	553.5	820.4	946.5	831.4	583.7	438.4	403.9	404.5
65°	295.4	297.0	294.9	302.5	343.6	381.4	352.4	309.7	302.0	305.8	303.1
67.5°	257.6	258.1	256.5	256.5	258.1	256.5	259.8	261.4	262.5	266.9	264.2
70°	215.4	215.9	215.9	217.0	216.5	213.7	218.7	220.9	221.4	224.2	222.5
72.5°	166.6	168.3	169.4	169.9	169.4	167.7	170.4	174.3	173.7	176.5	173.7
75°	112.9	115.1	116.2	118.4	117.8	117.8	121.1	122.8	121.1	123.3	121.1
77.5°	64.1	65.8	69.1	71.2	73.4	75.1	77.3	78.4	77.8	78.9	77.8
80°	37.3	37.8	40.6	41.7	44.4	47.1	49.3	50.4	51.0	51.5	51.0
82.5°	21.4	21.9	23.0	24.1	26.3	28.5	30.7	32.3	32.3	32.9	32.3
85°	10.4	10.4	11.0	11.5	12.6	14.2	15.9	17.5	18.1	18.1	18.1
87.5°	1.6	1.6	2.2	2.2	2.7	3.3	4.4	5.5	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)