

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: P630867

Luminaire Tested: GWS-SA1E-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630867
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7026.9 lumens
Efficiency: N/A
Efficacy: 120.3 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

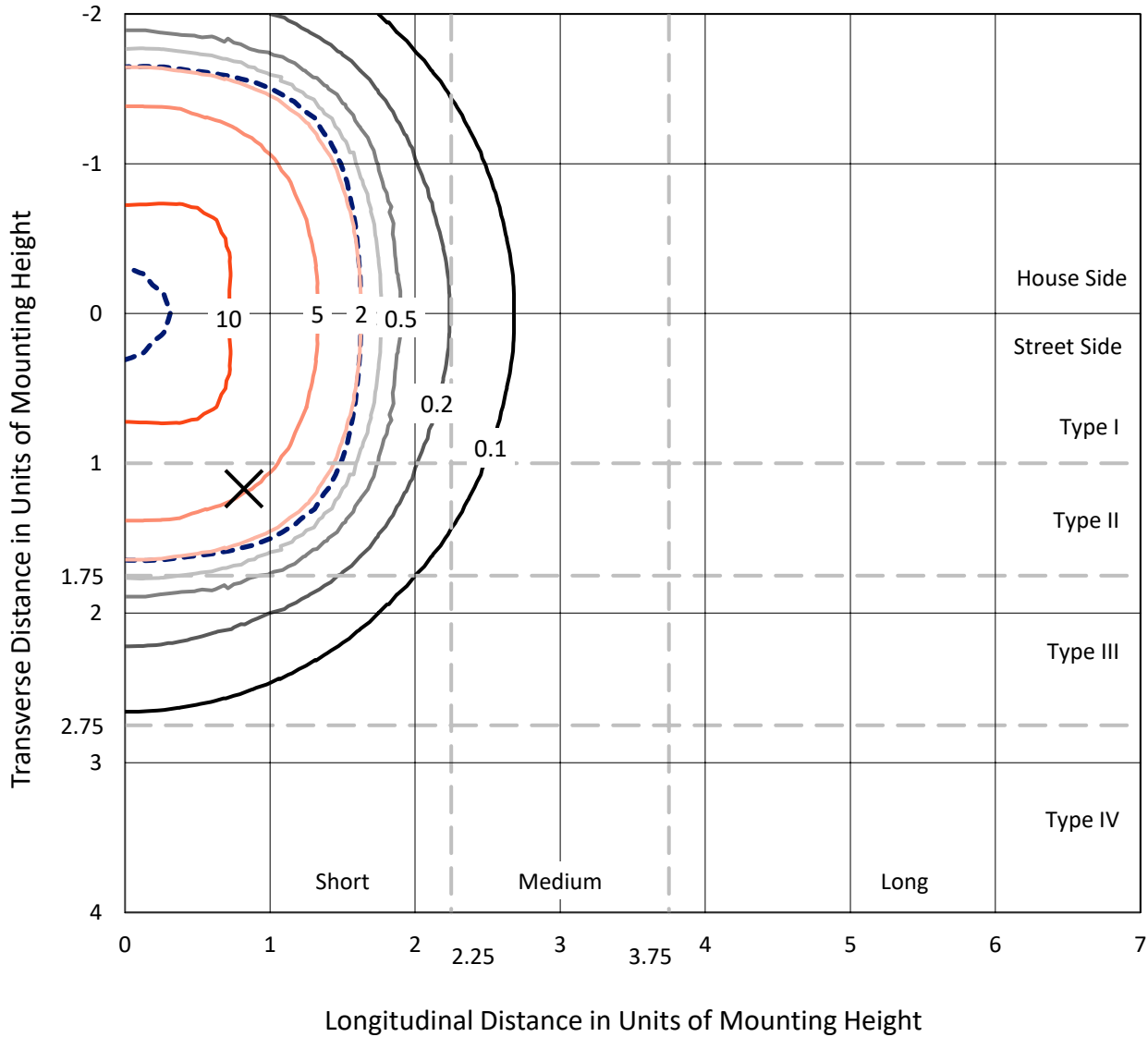
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

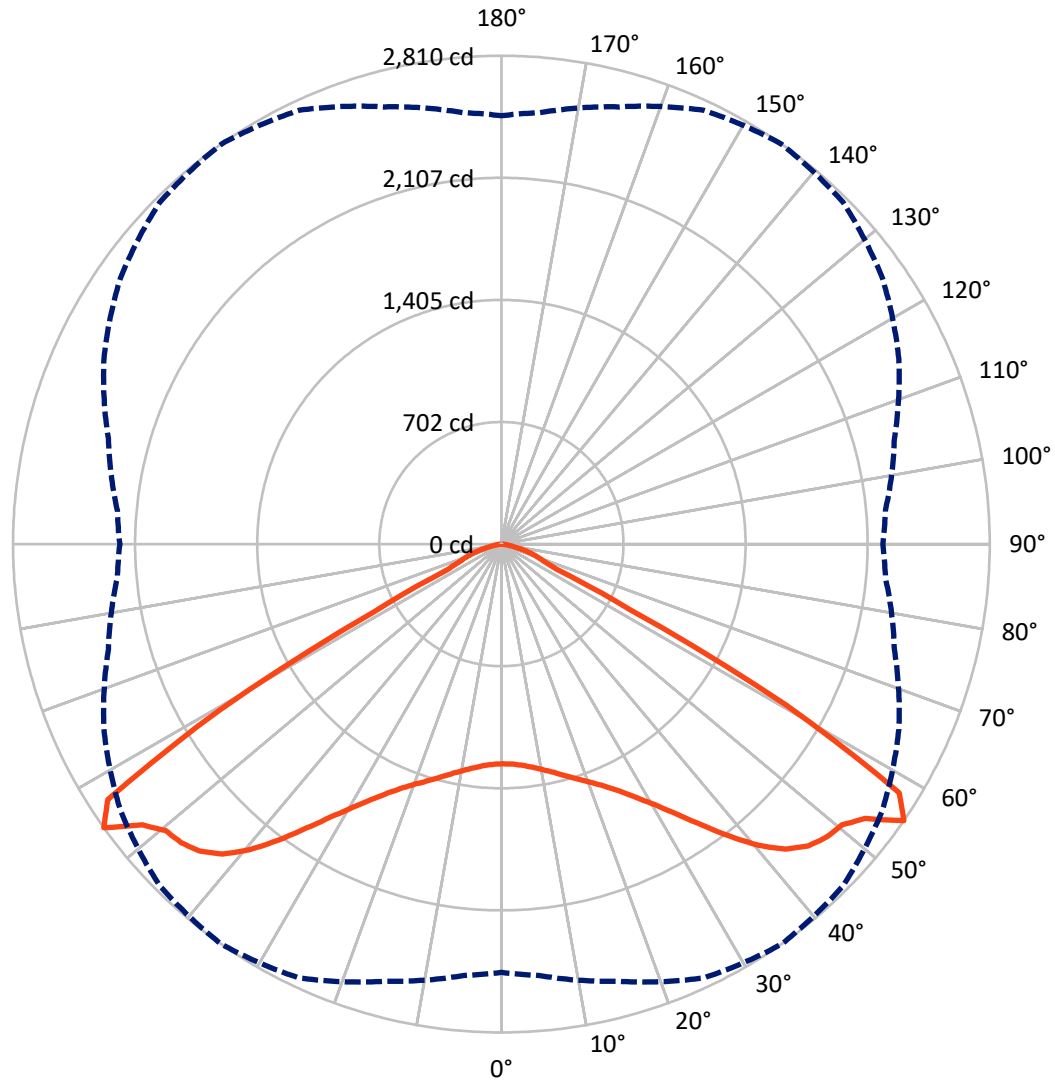
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 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	3513.4	0.0	3513.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3513.4	0.0	3513.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7026.9	0.0	7026.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	1.8
10°-20°	392.6	5.6
20°-30°	726.6	10.3
30°-40°	1215.4	17.3
40°-50°	1852.1	26.4
50°-60°	2074.7	29.5
60°-70°	490.9	7.0
70°-80°	132.3	1.9
80°-90°	19.0	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°	7026.9	100.0
0°-180°	7026.9	100.0

Coefficient of Utilization



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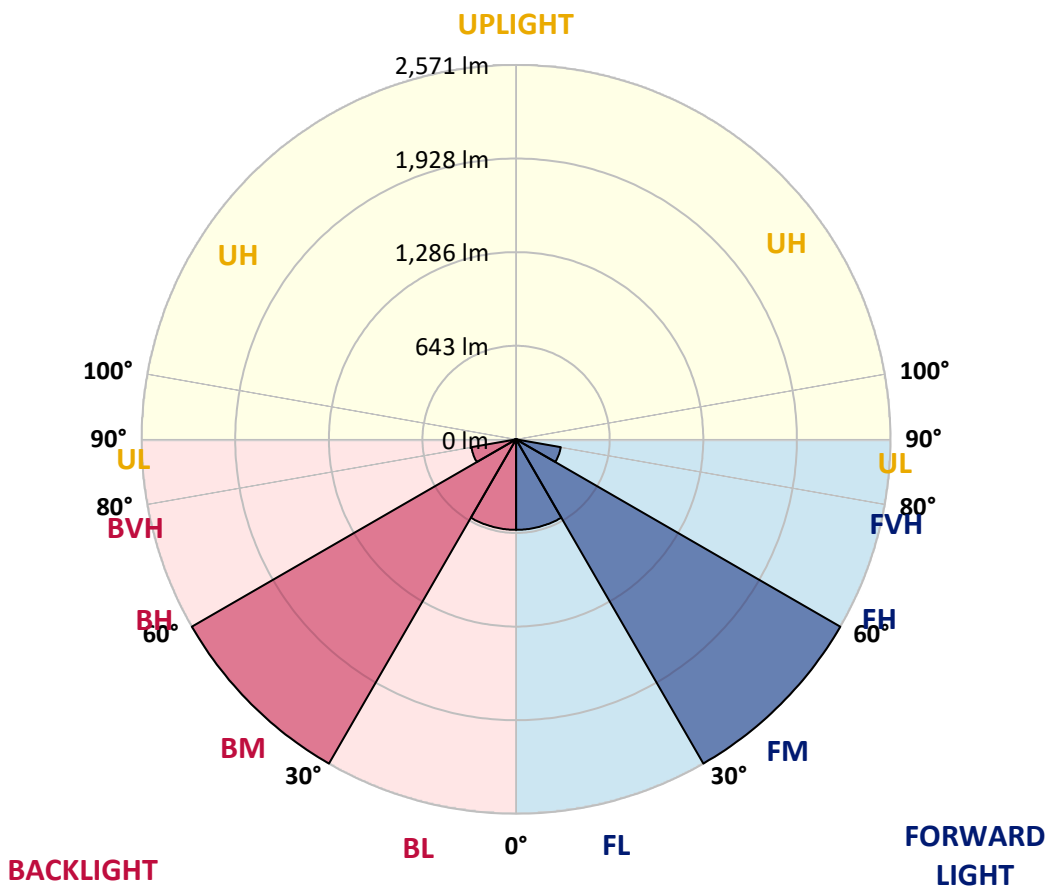
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	621.2	8.8			
FM (30°-60°)	2571.1	36.6			
FH (60°-80°)	311.6	4.4			G0/660
FVH (80°-90°)	9.5	0.1			G0/10
BL (0°-30°)	621.2	8.8	B2/1000		
BM (30°-60°)	2571.1	36.6	B3/5000		
BH (60°-80°)	311.6	4.4	B1/500		G0/660
BVH (80°-90°)	9.5	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°	1264.2	1264.2	1264.2	1264.2	1264.2	1264.2	1264.2	1264.2	1264.2	1264.2	1264.2
2.5°	1261.4	1261.4	1263.6	1266.4	1266.9	1272.5	1271.4	1269.2	1268.0	1265.8	1270.8
5°	1275.3	1275.8	1277.5	1279.2	1278.1	1282.5	1280.8	1278.1	1276.4	1273.6	1278.6
7.5°	1293.6	1293.6	1295.3	1297.5	1296.4	1303.1	1299.7	1295.8	1293.1	1289.7	1294.2
10°	1310.3	1311.4	1313.1	1317.5	1319.7	1326.9	1324.7	1319.2	1314.7	1310.8	1315.8
12.5°	1335.3	1336.4	1338.1	1344.2	1348.1	1355.3	1352.0	1344.2	1337.5	1332.0	1337.5
15°	1367.5	1366.4	1370.8	1378.6	1383.6	1390.3	1386.4	1373.1	1364.2	1357.0	1362.5
17.5°	1400.3	1399.7	1404.2	1414.2	1421.4	1430.3	1423.6	1408.1	1398.6	1389.7	1395.3
20°	1435.9	1437.5	1442.0	1451.4	1462.0	1473.6	1468.1	1451.4	1440.9	1430.9	1435.3
22.5°	1479.8	1480.3	1485.3	1497.5	1511.4	1522.5	1519.2	1498.7	1485.3	1474.8	1480.3
25°	1532.5	1532.0	1538.7	1553.1	1572.6	1583.7	1576.4	1553.7	1539.2	1527.0	1531.4
27.5°	1593.1	1592.6	1602.6	1621.5	1649.2	1664.8	1649.8	1621.5	1601.5	1584.2	1588.1
30°	1669.2	1667.6	1678.7	1704.3	1740.4	1766.5	1744.3	1704.8	1678.7	1660.4	1664.2
32.5°	1753.7	1755.9	1769.8	1804.3	1849.8	1883.7	1850.4	1806.5	1771.5	1744.8	1749.3
35°	1846.5	1846.5	1874.8	1917.6	1982.6	2027.7	1976.0	1912.6	1866.0	1829.3	1830.4
37.5°	1949.9	1951.0	1988.2	2047.1	2132.1	2184.9	2114.9	2036.5	1979.9	1940.4	1938.2
40°	2076.0	2079.3	2117.7	2183.2	2278.8	2327.2	2252.1	2175.5	2117.7	2071.0	2066.6
42.5°	2218.3	2219.4	2259.9	2318.8	2399.4	2428.3	2369.4	2306.6	2259.4	2217.1	2212.7
45°	2353.8	2351.1	2386.1	2430.0	2476.6	2479.4	2446.6	2421.1	2380.0	2343.8	2337.2
47.5°	2459.4	2457.2	2488.9	2512.8	2518.3	2491.1	2501.6	2505.5	2457.7	2408.8	2396.1
50°	2523.9	2528.3	2558.3	2571.7	2538.9	2494.4	2534.4	2524.4	2456.1	2392.2	2371.6
52.5°	2562.8	2569.4	2621.7	2655.6	2621.7	2579.4	2585.0	2526.1	2427.7	2343.3	2316.6
55°	2464.4	2491.1	2603.9	2753.9	2809.5	2780.0	2674.5	2522.8	2340.5	2217.7	2194.9
57.5°	1826.5	1868.7	2036.0	2361.1	2698.9	2806.2	2497.8	2114.9	1838.7	1680.9	1667.6
60°	932.4	979.7	1113.6	1447.5	1882.1	2033.2	1739.8	1354.2	1076.3	948.5	934.1
62.5°	380.6	388.4	432.3	561.2	831.8	959.6	843.0	591.8	444.5	409.5	410.1
65°	299.5	301.2	299.0	306.7	348.4	386.7	357.3	314.0	306.2	310.1	307.3
67.5°	261.2	261.7	260.1	260.1	261.7	260.1	263.4	265.1	266.2	270.6	267.8
70°	218.4	218.9	218.9	220.0	219.5	216.7	221.7	223.9	224.5	227.3	225.6
72.5°	168.9	170.6	171.7	172.3	171.7	170.0	172.8	176.7	176.1	178.9	176.1
75°	114.5	116.7	117.8	120.0	119.5	119.5	122.8	124.5	122.8	125.0	122.8
77.5°	65.0	66.7	70.0	72.2	74.5	76.1	78.4	79.5	78.9	80.0	78.9
80°	37.8	38.3	41.1	42.2	45.0	47.8	50.0	51.1	51.7	52.2	51.7
82.5°	21.7	22.2	23.3	24.4	26.7	28.9	31.1	32.8	32.8	33.3	32.8
85°	10.6	10.6	11.1	11.7	12.8	14.4	16.1	17.8	18.3	18.3	18.3
87.5°	1.7	1.7	2.2	2.2	2.8	3.3	4.4	5.6	6.1	6.1	6.1
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)