

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: P630864

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630864
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-SA1E-750-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 6786.9 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

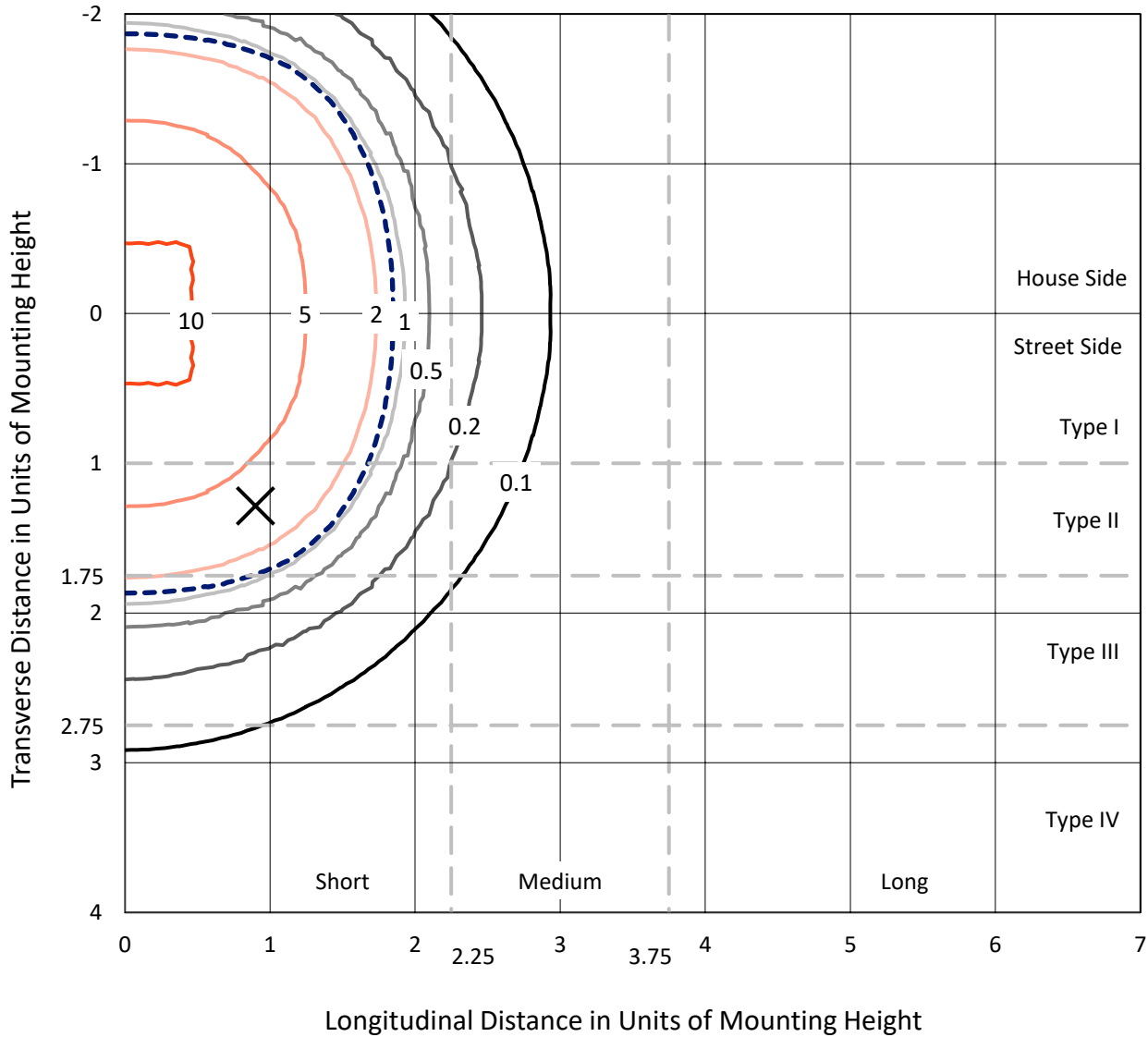
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

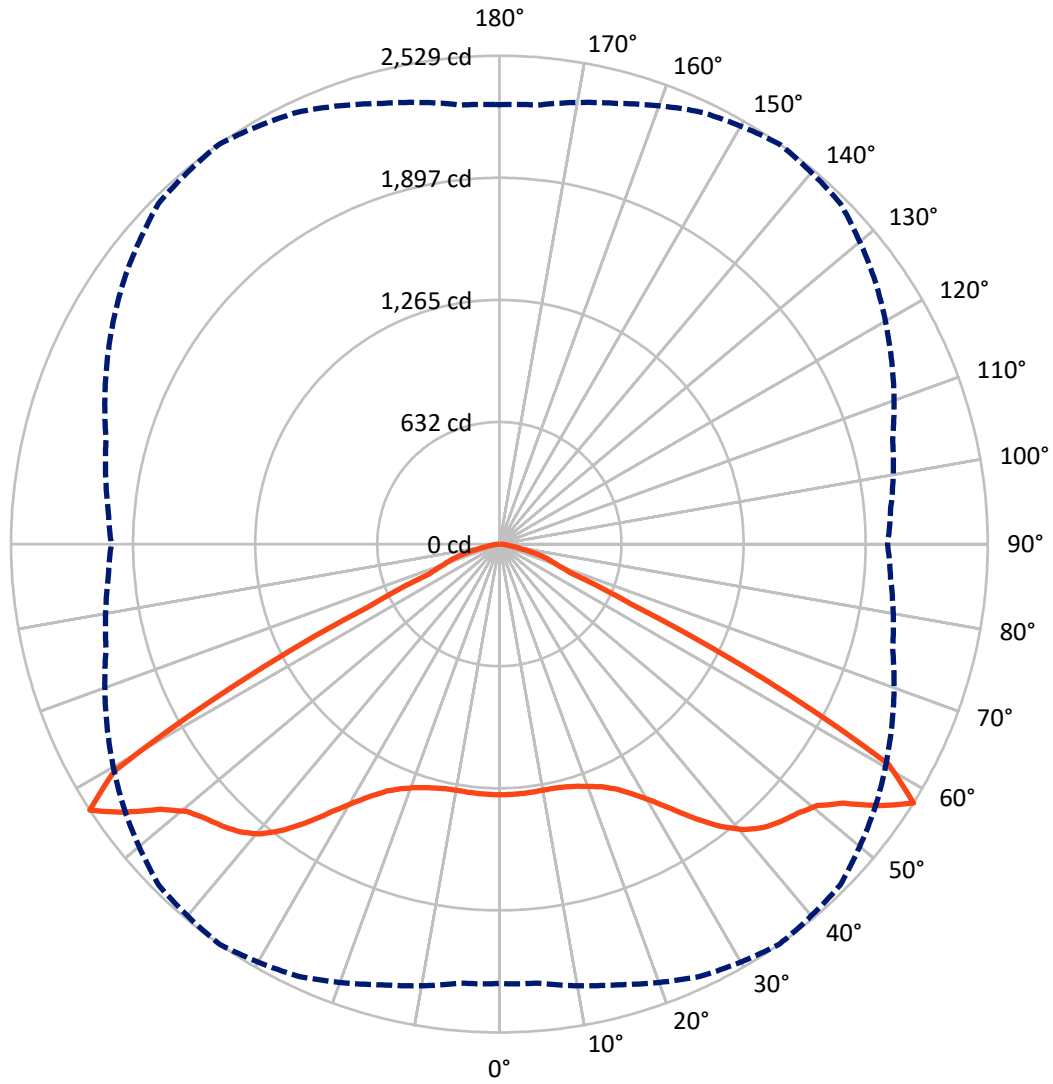
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 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	3393.4	0.0	3393.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3393.4	0.0	3393.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	6786.9	0.0	6786.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.5	1.8
10°-20°	368.6	5.4
20°-30°	643.1	9.5
30°-40°	1054.5	15.5
40°-50°	1553.1	22.9
50°-60°	1982.0	29.2
60°-70°	835.3	12.3
70°-80°	199.5	2.9
80°-90°	27.2	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°	6786.9	100.0
0°-180°	6786.9	100.0

Coefficient of Utilization



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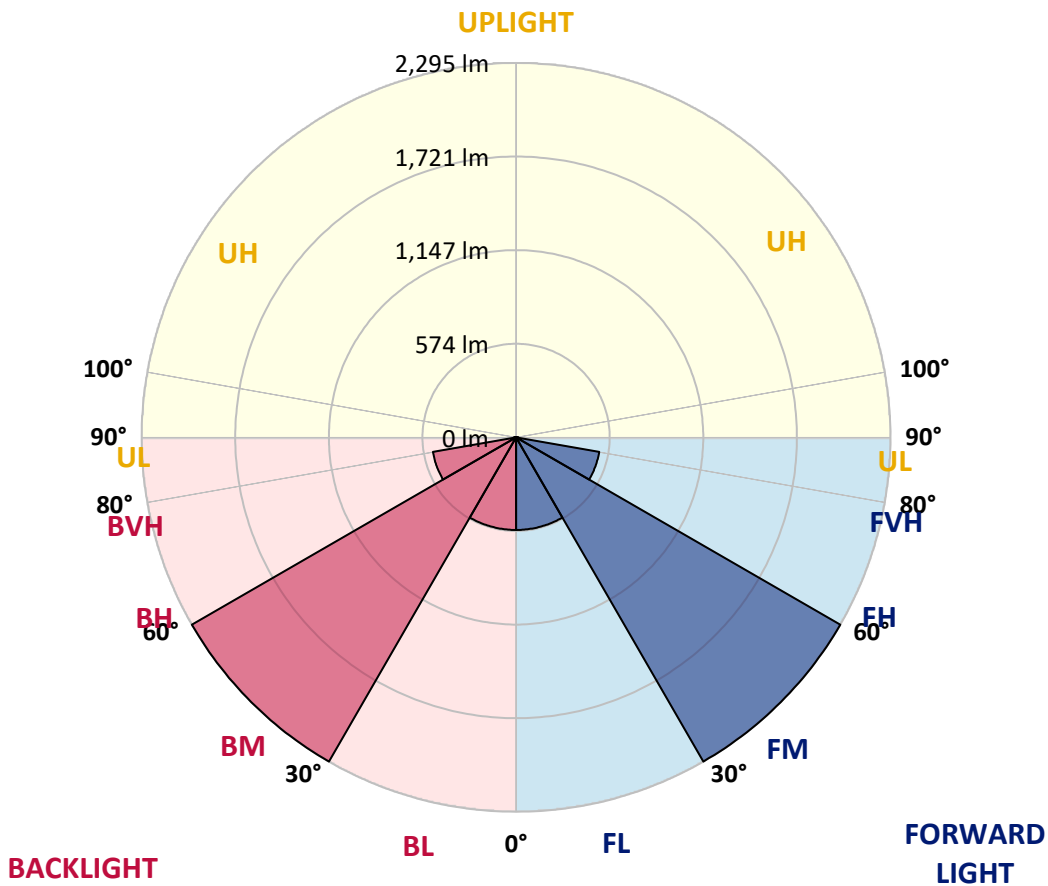
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.6	8.4			
FM (30°-60°)	2294.8	33.8			
FH (60°-80°)	517.4	7.6			G0/660
FVH (80°-90°)	13.6	0.2			G1/100
BL (0°-30°)	567.6	8.4	B2/1000		
BM (30°-60°)	2294.8	33.8	B2/2500		
BH (60°-80°)	517.4	7.6	B2/1000		G0/660
BVH (80°-90°)	13.6	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°	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6	1298.6
2.5°	1290.8	1290.8	1293.6	1296.4	1297.5	1302.5	1301.9	1300.3	1299.2	1295.8	1300.3
5°	1293.6	1293.6	1295.8	1297.5	1296.9	1300.8	1299.2	1296.4	1294.7	1291.4	1296.4
7.5°	1293.0	1293.0	1294.7	1296.4	1295.3	1298.6	1295.8	1291.9	1289.1	1285.8	1290.3
10°	1285.8	1286.9	1288.6	1292.5	1294.2	1299.2	1295.3	1289.1	1284.7	1280.8	1285.3
12.5°	1284.7	1285.8	1288.0	1293.0	1295.8	1303.0	1298.0	1288.0	1281.4	1276.4	1280.8
15°	1289.7	1290.8	1294.2	1300.3	1304.7	1312.5	1305.3	1291.4	1281.9	1275.3	1279.1
17.5°	1295.8	1297.5	1302.5	1311.4	1318.6	1326.9	1318.0	1301.4	1288.0	1279.1	1282.5
20°	1302.5	1304.7	1312.5	1325.8	1339.2	1349.7	1338.6	1316.4	1300.3	1288.6	1291.9
22.5°	1314.2	1316.9	1326.9	1345.8	1365.8	1381.4	1367.5	1337.5	1316.4	1301.4	1304.2
25°	1338.0	1341.4	1354.2	1376.9	1405.3	1424.2	1404.7	1370.8	1341.4	1323.0	1325.8
27.5°	1380.3	1381.9	1398.6	1428.6	1463.6	1485.3	1462.0	1422.0	1389.2	1368.1	1370.3
30°	1435.8	1440.8	1457.5	1497.0	1538.6	1567.5	1537.0	1489.7	1452.0	1426.4	1428.6
32.5°	1503.6	1507.0	1532.0	1573.1	1633.1	1666.4	1624.8	1568.7	1523.1	1492.0	1494.2
35°	1592.5	1595.3	1619.2	1671.4	1744.2	1775.4	1727.6	1663.1	1610.3	1580.9	1589.2
37.5°	1698.7	1703.7	1720.9	1772.6	1853.7	1884.3	1829.3	1769.2	1714.2	1687.0	1693.1
40°	1812.6	1812.0	1825.9	1871.5	1945.4	1964.3	1914.8	1867.0	1819.8	1802.0	1812.0
42.5°	1910.4	1907.6	1917.6	1955.4	2006.5	2008.2	1975.4	1948.7	1915.4	1903.2	1912.6
45°	1978.7	1979.8	1994.8	2021.0	2047.1	2033.2	2023.2	2018.7	1992.6	1976.0	1977.6
47.5°	2032.6	2037.1	2061.0	2078.8	2082.1	2058.7	2072.6	2079.3	2057.6	2032.1	2024.9
50°	2080.4	2087.6	2118.8	2137.7	2130.4	2101.0	2128.2	2138.2	2090.4	2041.5	2027.1
52.5°	2167.1	2175.4	2213.2	2237.7	2229.3	2199.9	2225.4	2189.9	2109.3	2049.3	2031.0
55°	2305.5	2309.4	2355.5	2395.5	2391.6	2355.5	2334.9	2256.0	2158.2	2096.0	2078.8
57.5°	2276.0	2282.7	2362.7	2469.4	2529.4	2496.6	2376.0	2241.6	2108.8	2033.7	2010.4
60°	1790.9	1807.0	1906.5	2094.3	2314.4	2313.8	2089.9	1880.9	1720.9	1621.4	1611.4
62.5°	1045.8	1056.9	1147.5	1337.5	1534.8	1547.0	1389.7	1246.4	1106.3	1039.1	1006.9
65°	495.1	494.5	530.7	616.2	749.6	760.2	712.9	634.6	551.8	529.0	522.9
67.5°	365.6	365.6	362.9	369.0	394.5	400.1	394.5	381.7	374.0	379.0	375.6
70°	317.3	317.8	314.5	312.8	312.8	311.2	313.4	318.4	321.7	328.4	325.1
72.5°	257.3	257.8	257.8	258.4	258.9	256.7	260.1	262.8	263.4	265.6	263.4
75°	182.8	183.9	187.3	190.0	192.3	192.3	193.4	193.9	191.7	194.5	190.0
77.5°	100.6	101.7	107.8	112.8	117.8	118.4	120.0	121.1	120.0	122.2	118.9
80°	55.6	56.7	59.5	61.7	65.6	68.9	71.1	72.2	72.2	73.9	72.2
82.5°	31.7	32.8	34.5	35.6	38.9	41.7	43.9	45.6	45.6	46.1	45.0
85°	15.0	15.0	16.1	17.2	18.9	20.0	22.8	24.4	24.4	25.6	24.4
87.5°	2.2	2.8	3.3	3.3	4.4	5.6	6.7	7.2	8.3	8.9	8.9
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)