

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: P630865

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
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
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8027.1 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

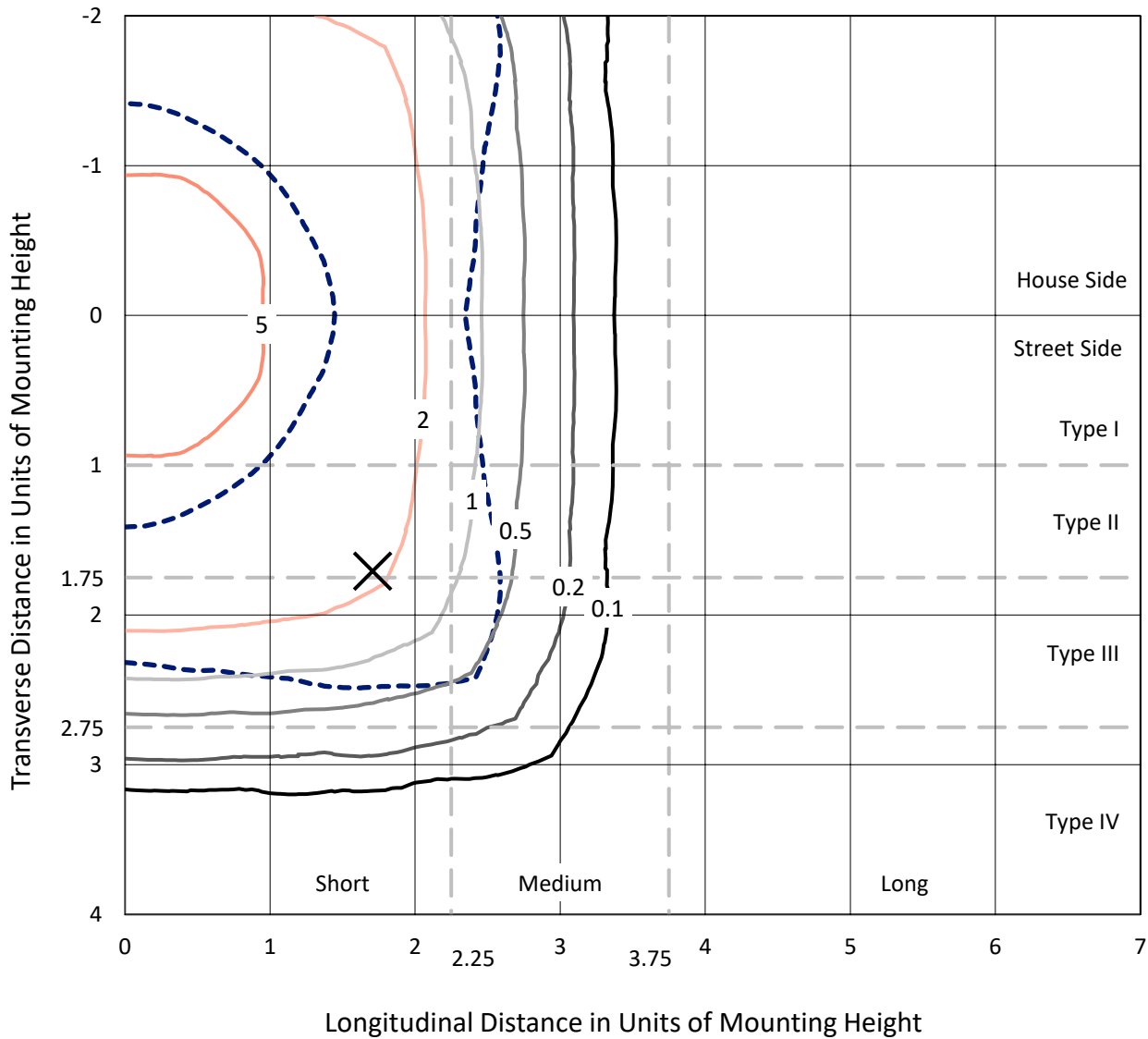
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

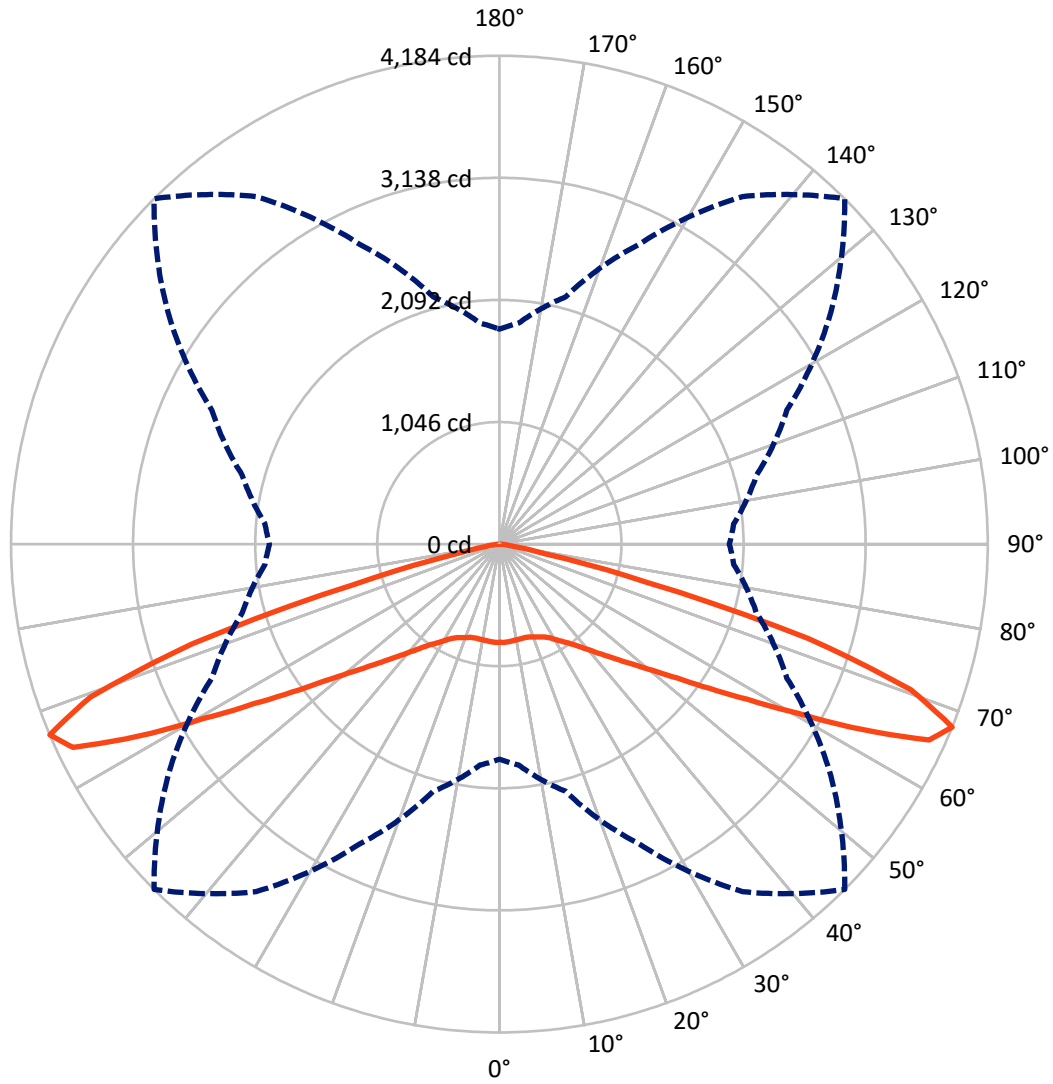
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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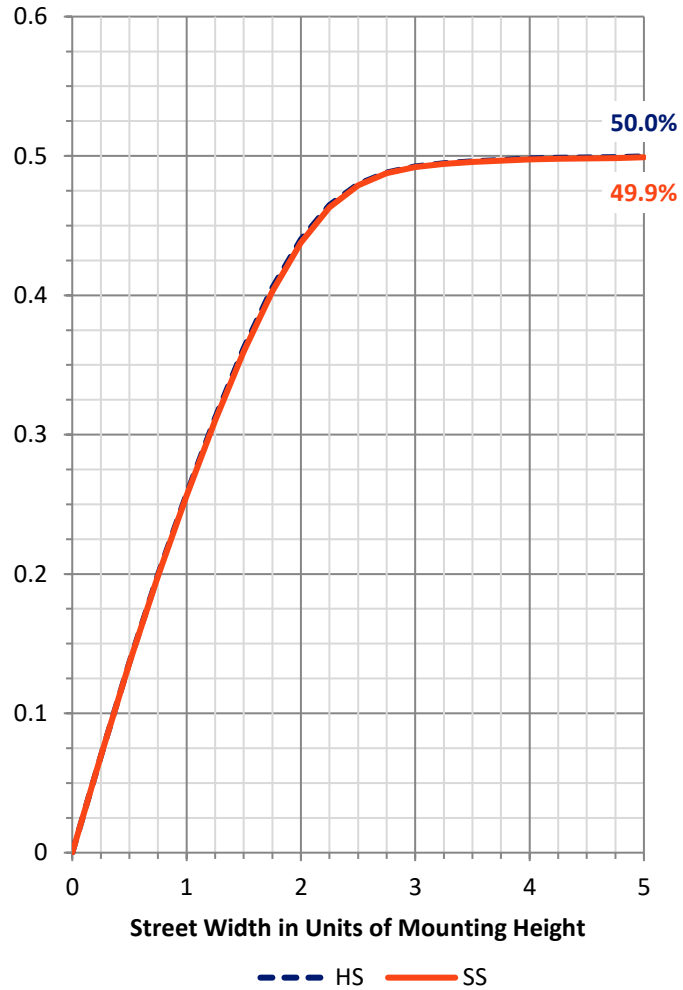
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4013.6	0.0	4013.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4013.6	0.0	4013.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8027.1	0.0	8027.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	1.0
10°-20°	233.7	2.9
20°-30°	403.1	5.0
30°-40°	655.4	8.2
40°-50°	1103.6	13.7
50°-60°	1955.3	24.4
60°-70°	2795.0	34.8
70°-80°	767.1	9.6
80°-90°	34.4	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°	8027.1	100.0
0°-180°	8027.1	100.0

Coefficient of Utilization



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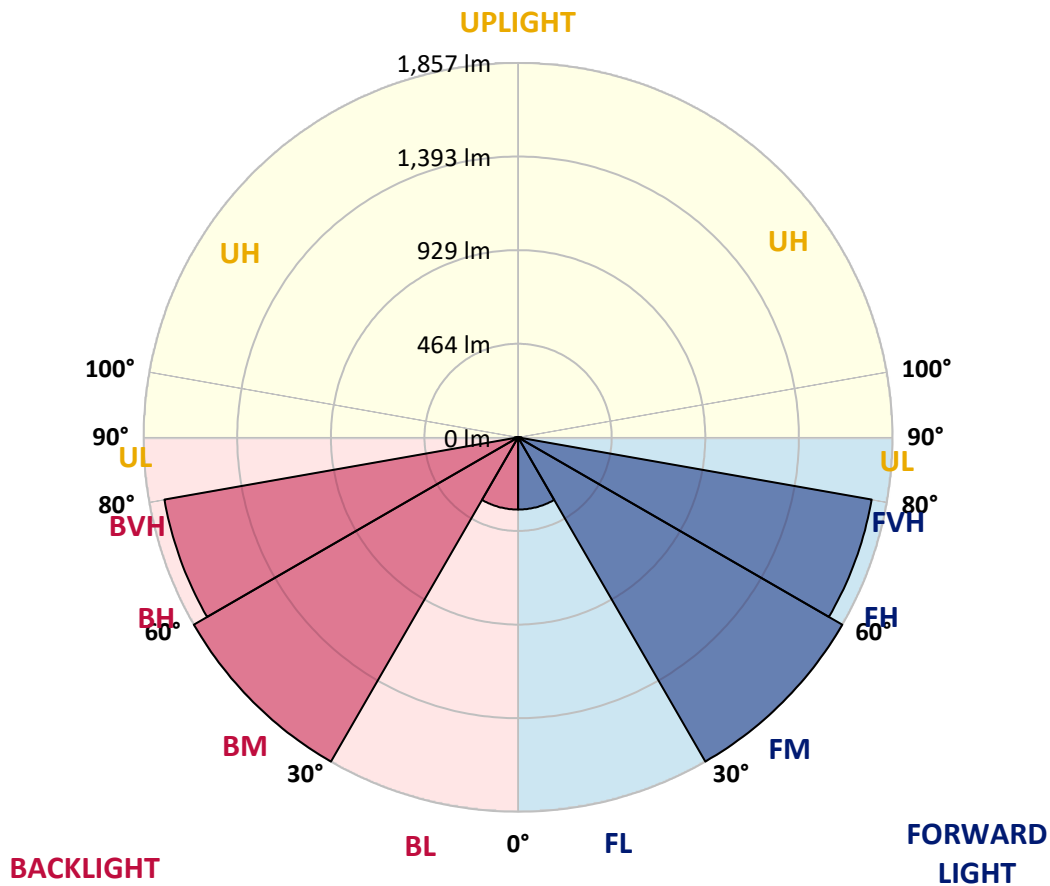
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.2	4.5			
FM (30°-60°)	1857.1	23.1			
FH (60°-80°)	1781.1	22.2			G1/1800
FVH (80°-90°)	17.2	0.2			G1/100
BL (0°-30°)	358.2	4.5	B1/500		
BM (30°-60°)	1857.1	23.1	B2/2500		
BH (60°-80°)	1781.1	22.2	B3/2500		G1/1800
BVH (80°-90°)	17.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	840.7	840.7	840.7	840.7	840.7	840.7	840.7	840.7	840.7	840.7	840.7
2.5°	835.1	834.6	837.4	839.0	838.5	842.4	841.8	840.7	840.7	839.0	843.5
5°	835.1	834.6	836.8	837.4	836.3	839.6	838.5	837.4	837.4	835.1	839.0
7.5°	830.7	831.3	832.9	834.0	832.9	835.7	834.0	831.8	831.3	829.0	832.9
10°	822.4	822.9	824.6	827.4	827.9	832.9	830.1	826.3	824.6	822.4	826.3
12.5°	817.4	817.9	819.6	822.9	824.0	830.7	827.9	821.8	819.0	816.8	820.7
15°	816.2	816.8	819.0	822.4	824.0	830.7	827.9	820.7	816.8	814.0	817.4
17.5°	816.2	817.4	820.7	825.7	829.0	835.7	832.4	824.0	818.5	813.5	816.8
20°	816.8	818.5	823.5	830.7	839.0	848.5	844.0	832.9	825.1	819.0	821.2
22.5°	821.8	824.6	830.7	840.1	852.4	863.5	859.6	844.6	833.5	825.1	827.4
25°	839.0	840.1	847.9	860.1	871.8	881.3	877.4	863.5	849.6	839.6	842.4
27.5°	869.6	872.4	879.0	891.8	901.8	906.8	906.3	896.8	882.9	874.0	876.3
30°	906.3	909.0	917.9	932.4	942.4	947.9	946.3	939.0	926.3	914.0	916.3
32.5°	949.0	950.2	960.7	976.8	987.4	995.7	990.2	982.4	966.3	951.8	952.9
35°	1003.5	1005.2	1016.3	1031.3	1039.6	1046.3	1045.2	1037.4	1020.2	1004.6	1008.5
37.5°	1071.8	1073.0	1083.0	1101.9	1108.5	1113.5	1114.6	1110.7	1093.0	1073.0	1076.8
40°	1156.9	1157.4	1168.5	1185.2	1192.4	1195.8	1196.3	1196.9	1178.5	1163.5	1162.4
42.5°	1255.8	1258.5	1274.1	1290.2	1293.6	1291.9	1297.4	1303.0	1285.2	1264.7	1266.3
45°	1374.1	1375.8	1396.9	1414.7	1408.6	1403.0	1413.6	1424.7	1408.6	1381.9	1374.1
47.5°	1514.1	1517.5	1540.3	1558.0	1548.0	1538.0	1555.3	1566.9	1540.8	1512.5	1505.3
50°	1672.5	1674.7	1707.0	1729.2	1717.5	1699.2	1720.8	1733.1	1698.1	1663.1	1647.5
52.5°	1859.8	1855.3	1898.1	1937.0	1929.8	1905.9	1923.7	1925.9	1873.6	1824.2	1808.6
55°	2088.1	2083.7	2126.5	2169.3	2187.0	2180.9	2172.6	2159.3	2082.0	2029.2	2014.8
57.5°	2354.3	2340.4	2400.4	2458.2	2497.1	2508.2	2472.6	2441.5	2380.4	2315.4	2298.7
60°	2601.5	2601.0	2696.0	2796.0	2902.7	2947.2	2857.1	2772.7	2635.4	2517.1	2493.2
62.5°	2671.0	2682.7	2838.3	3086.1	3349.5	3506.7	3269.4	2989.9	2724.9	2546.5	2514.9
65°	2499.9	2528.8	2749.9	3141.1	3661.2	4045.7	3510.0	2994.9	2625.4	2403.2	2369.8
67.5°	1842.5	1900.3	2193.1	2834.4	3634.5	4184.0	3467.3	2717.7	2280.4	2015.9	1969.8
70°	909.0	964.1	1196.3	1864.8	2990.5	3740.1	3000.0	2048.1	1540.3	1285.8	1243.5
72.5°	334.5	356.7	447.9	797.9	1650.3	2762.7	2051.5	1144.1	746.2	594.0	565.7
75°	163.9	167.8	181.7	267.8	609.0	1300.2	964.1	439.0	274.5	238.9	231.2
77.5°	104.5	106.1	112.8	127.8	195.6	409.5	292.3	173.4	134.5	128.9	128.9
80°	58.3	60.0	68.9	79.5	91.7	140.6	105.0	103.9	88.3	77.2	75.6
82.5°	27.8	30.6	43.9	43.3	48.3	70.6	61.7	56.1	56.7	42.8	40.6
85°	12.8	12.8	17.2	20.6	21.7	23.9	28.3	32.2	31.7	21.7	23.3
87.5°	6.1	6.1	6.1	5.6	5.0	4.4	6.1	10.0	14.4	10.0	9.4
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)