

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: P643343

Luminaire Tested: GWS-SA6E-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45912.3 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

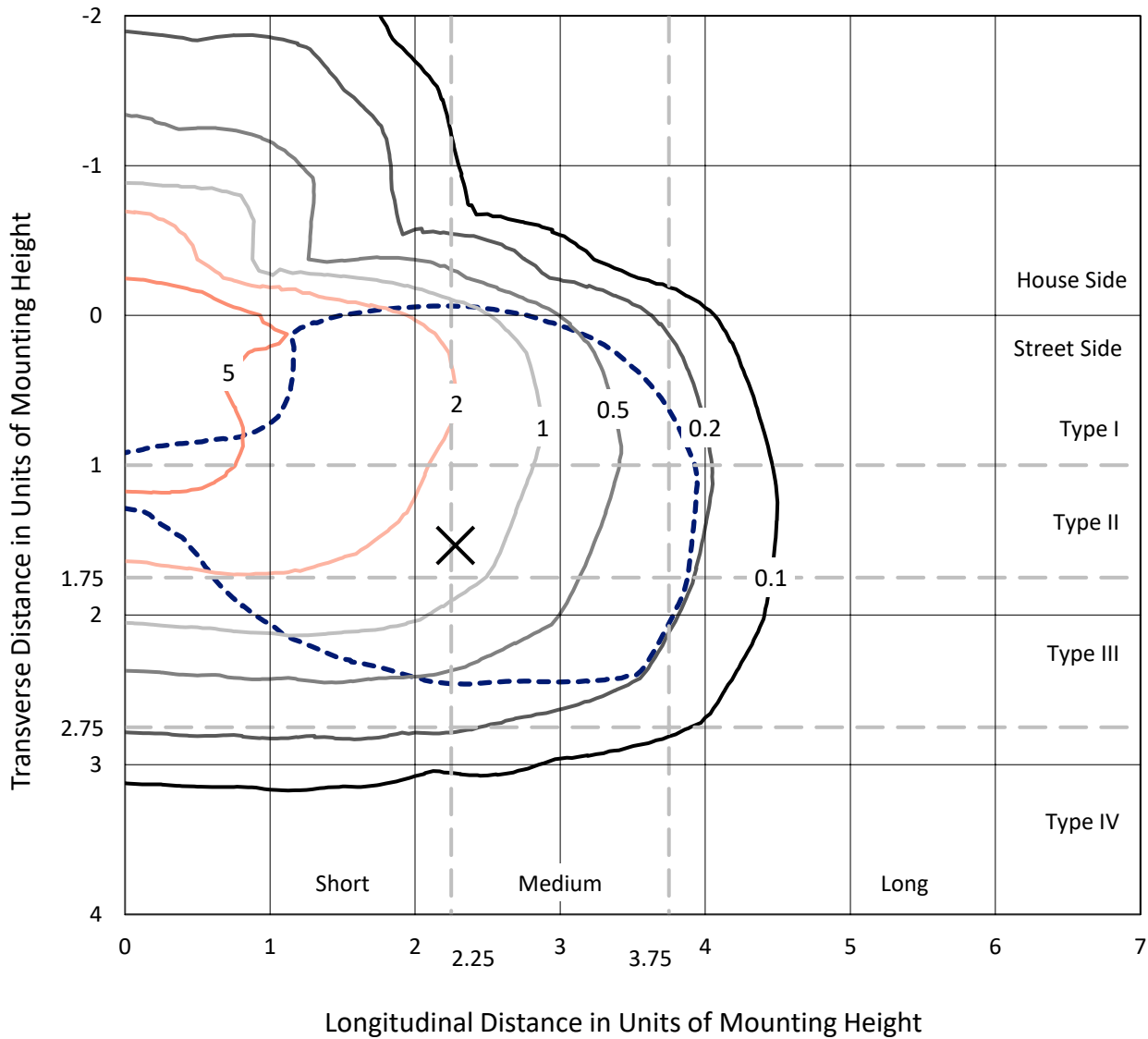
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

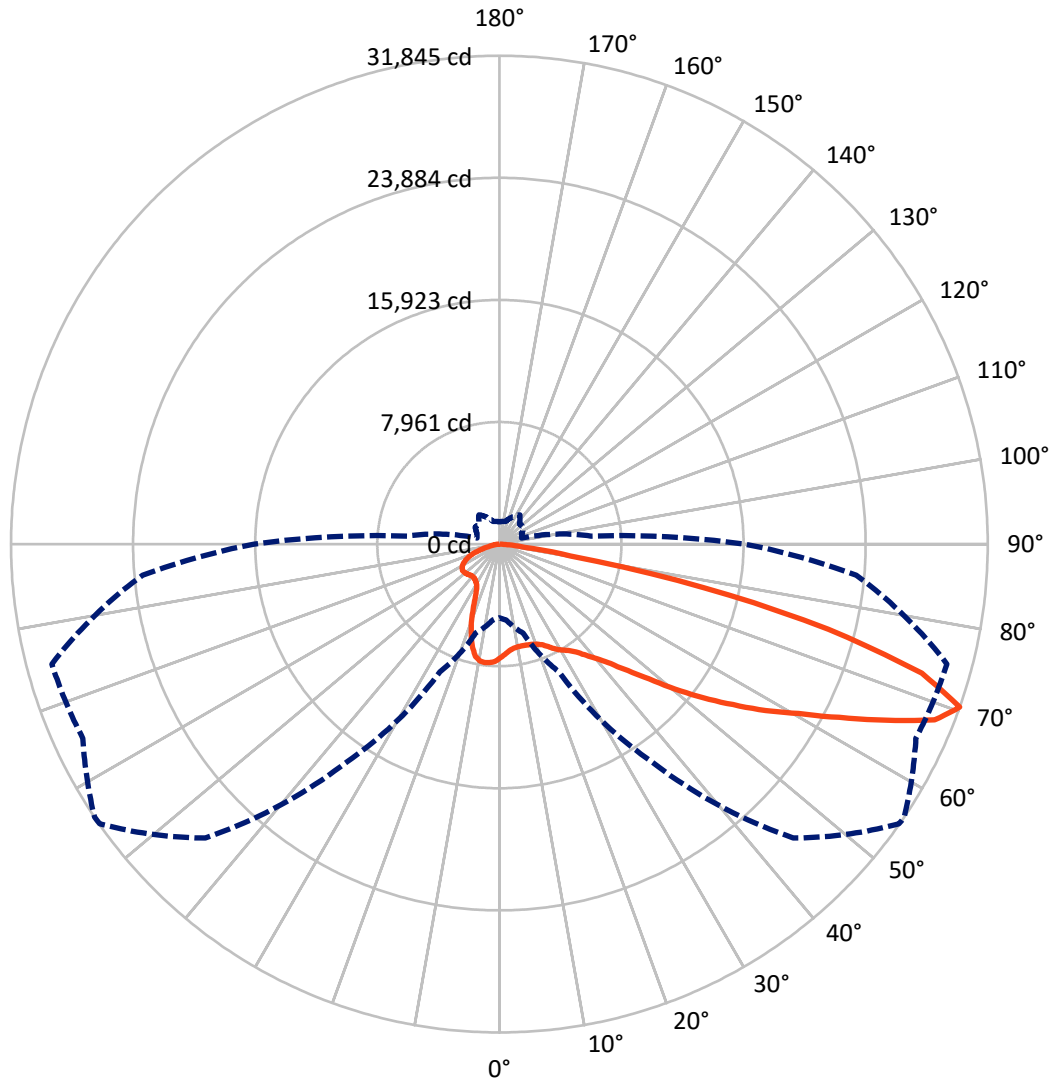
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8826.7	0.0	8826.7
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	37085.6	0.0	37085.6
	% Fixture	80.8	0.0	80.8
Total	Lumens	45912.3	0.0	45912.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	685.8	1.5
10°-20°	1858.2	4.0
20°-30°	3072.1	6.7
30°-40°	4593.2	10.0
40°-50°	6835.3	14.9
50°-60°	9717.9	21.2
60°-70°	12035.9	26.2
70°-80°	6645.8	14.5
80°-90°	468.1	1.0
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°	45912.3	100.0
0°-180°	45912.3	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	7411.0	7411.0	7411.0	7411.0	7411.0	7411.0	7411.0	7411.0	7411.0	7411.0	7411.0
2.5°	6935.0	6896.2	6941.5	6964.2	7022.4	7106.6	7181.1	7184.3	7223.2	7317.1	7407.7
5°	6621.0	6601.5	6614.5	6682.5	6744.0	6850.8	6964.2	6973.9	7084.0	7268.5	7449.8
7.5°	6378.1	6352.2	6400.8	6488.2	6565.9	6685.7	6834.7	6847.6	7003.0	7281.4	7559.9
10°	6028.5	6009.1	6099.7	6216.3	6384.6	6582.1	6779.6	6795.8	6999.8	7365.6	7754.1
12.5°	5876.3	5876.3	5915.2	6025.2	6209.8	6472.0	6769.9	6795.8	7051.6	7495.1	8003.4
15°	6112.7	6128.8	6096.5	6090.0	6164.5	6413.8	6782.8	6821.7	7148.7	7627.9	8249.5
17.5°	6588.6	6604.8	6520.6	6387.9	6313.4	6468.8	6831.4	6873.5	7252.3	7773.6	8515.0
20°	7255.5	7275.0	7090.4	6886.5	6630.7	6627.4	6925.3	6964.2	7385.1	7932.2	8796.7
22.5°	8035.8	8048.8	7815.7	7491.9	7100.1	6922.1	7087.2	7126.0	7556.6	8152.4	9101.0
25°	8939.1	8978.0	8696.3	8226.8	7695.9	7326.8	7355.9	7401.2	7864.2	8447.0	9460.4
27.5°	9903.9	9952.5	9628.7	9110.7	8379.0	7773.6	7702.3	7741.2	8191.2	8628.3	9651.4
30°	10891.4	10927.0	10603.3	10010.8	9113.9	8278.6	7993.7	8016.4	8333.7	8715.7	9845.7
32.5°	11989.0	11959.8	11649.0	10965.9	9962.2	8884.1	8265.7	8259.2	8492.3	8890.6	10124.1
35°	13018.5	13060.6	12730.4	11976.0	10894.6	9632.0	8673.6	8647.7	8829.0	9175.5	10515.8
37.5°	14265.0	14252.1	13857.1	13041.2	11830.3	10347.5	9246.7	9201.4	9266.1	9619.0	11063.0
40°	15155.4	15246.0	14990.3	14229.4	12924.6	11228.1	9916.9	9816.5	9832.7	10166.2	11794.7
42.5°	15883.8	15968.0	15993.9	15508.3	14177.6	12316.0	10752.2	10651.8	10661.5	11134.2	12694.8
45°	16444.0	16557.3	16923.1	16780.7	15589.2	13572.2	11882.1	11778.5	11785.0	12309.5	13782.6
47.5°	16673.8	16796.9	17538.3	17878.2	17088.2	15074.4	13287.3	13135.1	13157.8	13737.3	15025.9
50°	16599.4	16764.5	17768.2	18723.3	18344.5	16602.6	14967.6	14860.8	14773.3	15615.1	16376.0
52.5°	15958.3	16139.6	17745.5	19260.7	19370.8	18046.6	16703.0	16641.5	16622.0	17609.5	17884.7
55°	14070.8	14375.1	16965.2	19403.2	20173.7	19406.4	18584.0	18480.4	18580.8	19746.3	19409.6
57.5°	13025.0	13251.6	15437.1	19244.5	20831.0	20701.5	20461.9	20471.6	20584.9	22067.7	21258.3
60°	12429.3	12694.8	14588.8	18810.7	21462.3	22274.9	22427.1	22427.1	22631.1	24570.4	23136.2
62.5°	11639.3	11908.0	13795.6	17975.4	22045.1	24126.9	24897.4	24887.7	24968.7	27254.4	24971.9
65°	10036.7	10286.0	12202.7	16657.6	22330.0	26166.6	27704.5	27675.3	27513.4	29643.8	26186.0
67.5°	7287.9	7524.3	9347.1	14151.7	21303.7	27811.3	30595.7	30608.6	29640.6	31149.3	26250.8
70°	4804.7	4966.5	6009.1	9191.7	17324.6	27102.3	31806.5	31845.4	29967.6	30210.4	23362.8
72.5°	2998.1	3111.4	3752.4	5481.3	10237.4	21452.6	28698.4	28805.3	26959.8	26548.6	19196.0
75°	1991.1	2068.9	2496.2	3195.5	4736.7	11610.2	21815.2	22158.4	21608.0	20811.5	13374.7
77.5°	1197.9	1262.7	1589.7	2030.0	2098.0	4535.9	12733.6	13620.7	13698.4	10865.5	5601.1
80°	547.2	621.6	877.4	1159.1	1117.0	1580.0	4490.6	4697.8	5542.8	3451.3	1767.7
82.5°	323.8	356.1	582.8	576.3	475.9	767.3	1615.6	1657.7	1408.4	1262.7	754.4
85°	129.5	152.2	246.1	216.9	174.8	249.3	608.7	637.8	611.9	550.4	278.4
87.5°	0.0	0.0	0.0	0.0	3.2	6.5	55.0	58.3	84.2	152.2	84.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7411.0	7411.0	7411.0	7411.0	7411.0	7411.0	7411.0	7411.0	7411.0	7411.0	7411.0
2.5°	7466.0	7446.6	7543.7	7618.2	7650.5	7682.9	7653.8	7644.1	7644.1	7579.3	7546.9
5°	7546.9	7556.6	7689.4	7750.9	7750.9	7725.0	7647.3	7592.3	7572.8	7488.7	7466.0
7.5°	7699.1	7741.2	7864.2	7861.0	7770.3	7627.9	7433.6	7284.7	7148.7	7090.4	7054.8
10°	7948.4	8003.4	8087.6	7951.6	7699.1	7323.5	6912.4	6588.6	6394.3	6238.9	6238.9
12.5°	8233.3	8285.1	8268.9	7954.9	7433.6	6731.0	6138.6	5766.2	5494.3	5351.8	5351.8
15°	8518.2	8560.3	8385.5	7805.9	6880.0	5944.3	5296.8	4850.0	4613.6	4480.9	4480.9
17.5°	8806.4	8803.1	8434.0	7462.8	6158.0	5073.4	4438.8	4092.4	4011.4	3988.8	3985.5
20°	9084.8	9010.3	8372.5	6889.7	5319.4	4196.0	3794.5	3817.2	3937.0	3988.8	3995.2
22.5°	9398.9	9214.3	8191.2	6158.0	4367.6	3587.3	3613.2	3801.0	3975.8	4053.5	4063.2
25°	9719.4	9389.1	7886.9	5300.0	3571.1	3363.9	3564.6	3775.1	3972.6	4072.9	4082.7
27.5°	9848.9	9389.1	7368.9	4306.1	3147.0	3270.0	3490.2	3694.1	3901.4	4017.9	4040.6
30°	9955.7	9308.2	6643.6	3409.2	2972.2	3179.4	3370.4	3558.2	3762.1	3904.6	3930.5
32.5°	10104.7	9237.0	5766.2	2865.3	2891.2	3091.9	3224.7	3383.3	3567.9	3661.8	3652.1
35°	10279.5	9126.9	4707.5	2606.3	2823.2	3017.5	3111.4	3205.3	3121.1	3117.8	3127.6
37.5°	10528.8	9029.8	3784.8	2489.7	2777.9	2965.7	3043.4	2842.6	2726.1	2677.5	2658.1
40°	10888.2	8990.9	2985.1	2421.8	2771.4	2962.4	2907.4	2596.6	2437.9	2269.6	2266.3
42.5°	11341.4	8961.8	2467.1	2389.4	2794.1	3036.9	2719.6	2434.7	2107.7	2033.2	2026.8
45°	11924.2	8916.5	2208.1	2382.9	2849.1	3095.2	2700.2	2211.3	1987.9	1955.5	1955.5
47.5°	12626.8	8845.2	2091.5	2382.9	2910.6	3069.3	2641.9	2162.7	1932.9	1968.5	1991.1
50°	13433.0	8754.6	2030.0	2376.4	2972.2	3069.3	2518.9	2153.0	1919.9	2104.5	2178.9
52.5°	14294.2	8651.0	1987.9	2350.5	3014.2	3072.5	2525.4	2185.4	1932.9	2136.8	2198.4
55°	15246.0	8634.8	1929.6	2295.5	3027.2	2988.3	2541.5	2256.6	1952.3	1936.1	1939.3
57.5°	16447.2	8829.0	1887.5	2214.5	2975.4	2816.7	2573.9	2308.4	1929.6	1932.9	1955.5
60°	17703.4	9194.9	1923.2	2136.8	2868.5	2654.9	2596.6	2282.5	1819.6	1767.7	1774.2
62.5°	18771.8	9473.3	1952.3	2101.2	2713.1	2512.4	2573.9	2224.3	1758.0	1745.1	1774.2
65°	19218.6	9243.5	1881.1	2026.8	2486.5	2337.6	2525.4	2149.8	1706.2	1657.7	1660.9
67.5°	18723.3	8165.3	1741.8	1861.6	2230.7	2114.2	2447.7	2052.7	1635.0	1576.7	1563.8
70°	15993.9	5999.3	1502.3	1599.4	1919.9	1851.9	2327.9	1926.4	1521.7	1479.6	1450.5
72.5°	12889.0	4247.8	1246.5	1272.4	1505.5	1560.5	2120.7	1767.7	1392.2	1272.4	1230.3
75°	8971.5	2667.8	1039.3	1013.4	1087.8	1191.5	1654.4	1466.6	1201.2	1074.9	1036.0
77.5°	3859.3	1369.5	812.6	799.7	725.2	825.6	1269.2	1223.8	1006.9	861.2	838.5
80°	1291.8	793.2	586.0	563.3	482.4	579.5	893.6	977.8	790.0	637.8	599.0
82.5°	647.5	459.7	372.3	336.7	323.8	365.9	527.7	608.7	547.2	440.3	372.3
85°	317.3	262.2	204.0	200.7	168.4	158.6	220.2	259.0	246.1	181.3	171.6
87.5°	116.6	103.6	64.8	51.8	32.4	22.7	13.0	13.0	9.7	9.7	9.7
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)