

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: P643310

Luminaire Tested: GWS-SA6E-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38465.8 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

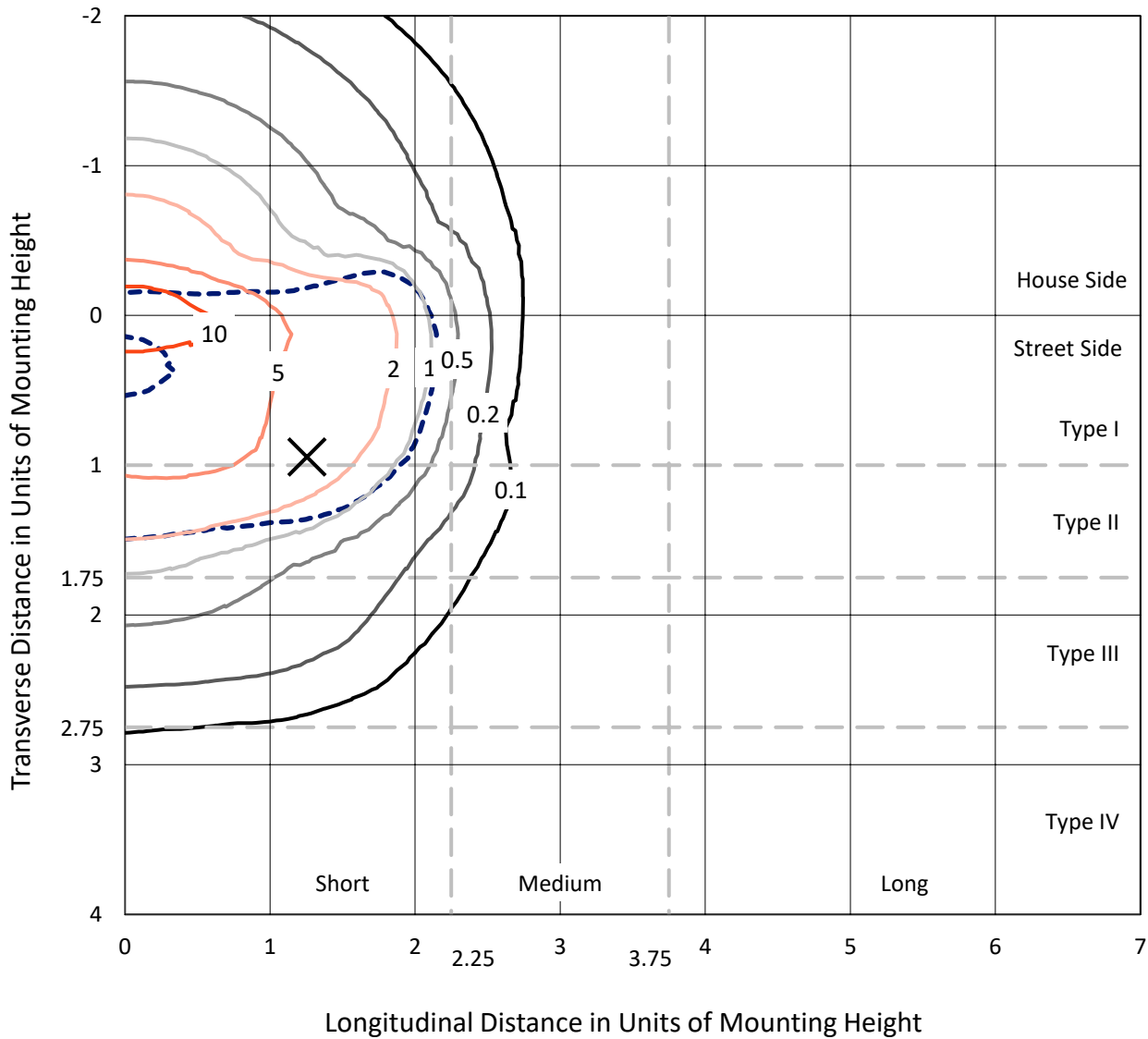
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

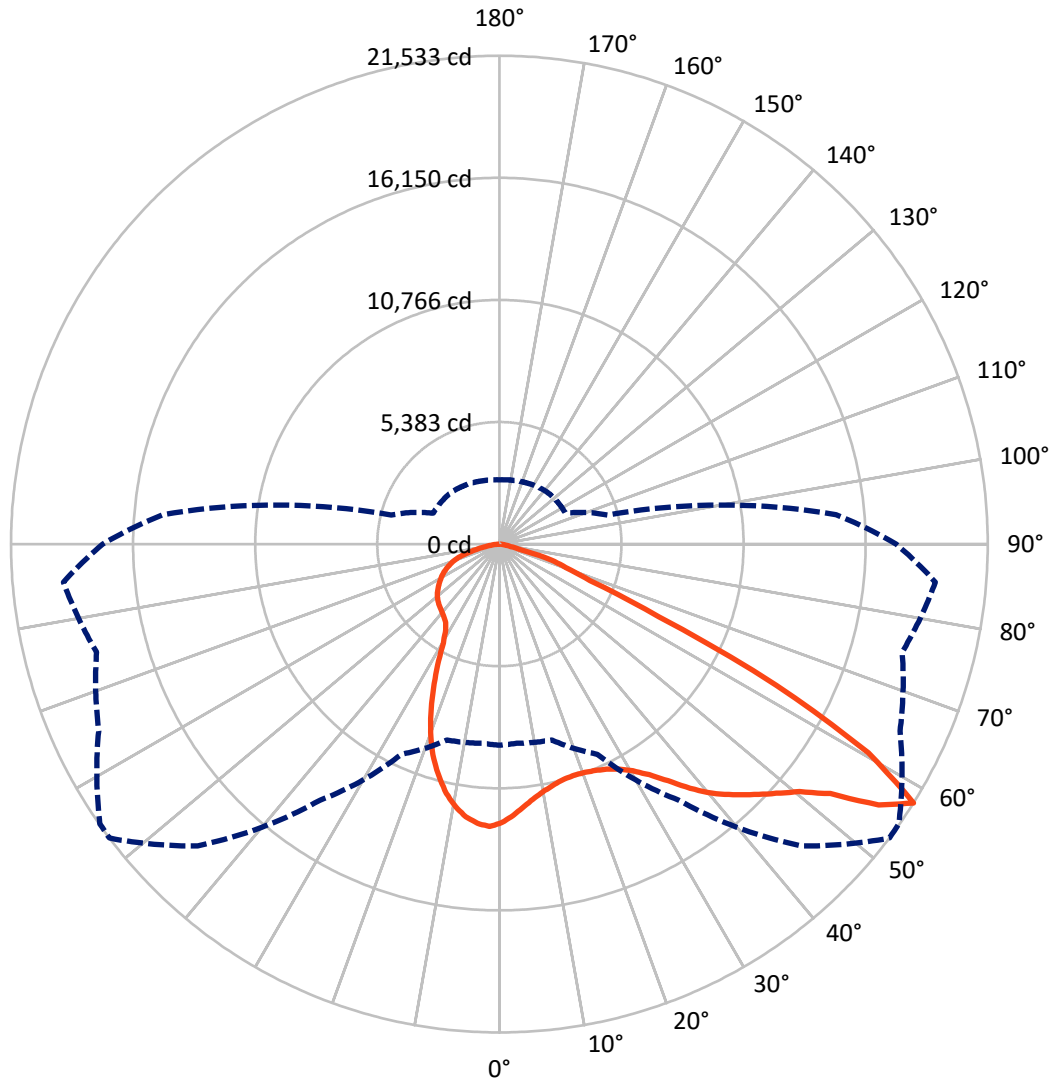
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 13.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12026.8	0.0	12026.8
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	26439.0	0.0	26439.0
	% Fixture	68.7	0.0	68.7
Total	Lumens	38465.8	0.0	38465.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1110.8	2.9
10°-20°	2914.1	7.6
20°-30°	4293.6	11.2
30°-40°	6009.9	15.6
40°-50°	7900.4	20.5
50°-60°	9263.2	24.1
60°-70°	5457.1	14.2
70°-80°	1357.5	3.5
80°-90°	159.3	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°	38465.8	100.0
0°-180°	38465.8	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	12283.2	12283.2	12283.2	12283.2	12283.2	12283.2	12283.2	12283.2	12283.2	12283.2	12283.2
2.5°	11577.4	11609.8	11616.2	11716.6	11723.1	11868.8	11965.9	11946.5	12046.8	12169.9	12267.0
5°	11023.8	11027.0	11059.4	11179.2	11243.9	11434.9	11596.8	11596.8	11791.1	12043.6	12260.5
7.5°	10567.3	10564.0	10593.2	10725.9	10832.8	11062.6	11282.8	11308.7	11580.6	11949.7	12302.6
10°	10143.2	10165.8	10198.2	10360.1	10496.1	10781.0	11043.2	11085.3	11428.5	11885.0	12360.9
12.5°	9871.2	9874.5	9923.0	10104.3	10279.1	10583.5	10858.7	10910.5	11305.4	11823.4	12403.0
15°	9696.4	9699.6	9751.4	9952.2	10156.1	10463.7	10745.3	10803.6	11234.2	11813.7	12483.9
17.5°	9618.7	9615.4	9664.0	9864.7	10088.1	10408.6	10709.7	10781.0	11266.6	11888.2	12626.3
20°	9618.7	9621.9	9647.8	9829.1	10055.8	10395.7	10745.3	10832.8	11392.8	12056.5	12846.5
22.5°	9754.7	9767.6	9780.6	9903.6	10081.7	10415.1	10839.2	10955.8	11664.8	12338.2	13134.6
25°	10020.1	10023.4	10036.3	10136.7	10217.6	10470.2	10994.6	11169.5	12088.9	12749.4	13497.2
27.5°	10376.3	10421.6	10434.5	10499.3	10499.3	10606.1	11237.4	11490.0	12662.0	13341.8	13960.2
30°	10874.8	10891.0	10913.7	10984.9	10907.2	10861.9	11593.6	11917.3	13325.7	14057.3	14517.1
32.5°	11311.9	11347.5	11470.6	11587.1	11447.9	11305.4	12118.1	12500.1	13963.4	14802.0	15109.5
35°	11684.2	11771.6	12008.0	12267.0	12169.9	12027.4	12814.1	13212.3	14487.9	15336.2	15634.0
37.5°	12134.2	12202.2	12526.0	12946.9	13034.3	12966.3	13662.4	13947.3	14837.6	15472.1	15918.9
40°	12590.7	12694.3	13112.0	13694.7	14028.2	14076.8	14445.8	14636.8	14957.4	15206.7	15863.9
42.5°	13056.9	13235.0	13808.0	14487.9	15080.4	15190.5	15106.3	15187.2	14918.5	14840.8	15608.1
45°	13626.7	13837.2	14484.7	15352.3	16132.6	16304.2	15753.8	15679.3	14912.0	14701.6	15449.5
47.5°	14300.1	14510.6	15129.0	16139.1	17136.2	17262.5	16417.5	16281.5	15138.7	14915.3	15663.1
50°	14895.9	15041.5	15595.2	16725.1	18071.9	18146.3	17149.2	16984.1	15702.0	15507.7	16330.1
52.5°	14290.4	14274.2	14857.0	16249.1	18557.5	19454.3	18275.8	18117.2	16789.8	16492.0	17362.8
55°	12124.5	11940.0	12461.2	13830.7	17201.0	20616.6	20296.0	19978.8	18240.2	17482.6	18330.9
57.5°	8864.3	8812.5	8938.8	10224.1	13778.9	18816.5	21532.8	21503.6	19493.1	18389.1	19295.6
60°	6931.5	6853.8	6517.1	6552.8	9392.1	14698.4	18687.0	19544.9	20270.1	18933.0	19969.1
62.5°	6154.5	6096.3	5921.4	5439.0	5594.4	9855.0	13698.0	14484.7	17712.5	16721.8	17152.4
65°	5095.9	5079.7	5225.4	5205.9	4687.9	5442.3	7731.2	8524.4	11137.1	11276.3	11137.1
67.5°	3703.7	3674.6	4043.7	4772.1	4513.1	4108.4	4309.1	4584.3	5711.0	5128.2	4616.7
70°	2408.7	2366.6	2580.3	3448.0	4040.4	3580.7	3104.8	3059.5	3140.4	1952.2	2110.9
72.5°	1615.5	1567.0	1563.7	1897.2	2441.1	2412.0	2405.5	2382.8	2127.1	1541.1	1709.4
75°	900.0	861.2	851.5	819.1	874.1	890.3	948.6	981.0	1061.9	1168.7	1295.0
77.5°	152.2	148.9	187.8	239.6	330.2	424.1	524.5	553.6	683.1	809.4	890.3
80°	84.2	87.4	113.3	139.2	184.5	252.5	323.8	343.2	420.9	488.9	553.6
82.5°	45.3	45.3	58.3	74.5	100.4	132.7	174.8	191.0	242.8	284.9	330.2
85°	16.2	16.2	22.7	29.1	42.1	55.0	68.0	77.7	106.8	145.7	165.1
87.5°	0.0	0.0	0.0	0.0	3.2	6.5	13.0	13.0	16.2	29.1	42.1
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°	12283.2	12283.2	12283.2	12283.2	12283.2	12283.2	12283.2	12283.2	12283.2	12283.2	12283.2
2.5°	12347.9	12260.5	12380.3	12435.3	12454.8	12467.7	12383.5	12325.3	12305.8	12244.3	12208.7
5°	12393.2	12335.0	12448.3	12448.3	12367.3	12283.2	12111.6	11991.8	11907.6	11807.3	11791.1
7.5°	12470.9	12428.9	12490.4	12364.1	12160.1	11933.5	11635.7	11402.6	11214.8	11091.8	11095.0
10°	12574.5	12522.7	12474.2	12192.5	11820.2	11402.6	10946.1	10606.1	10295.3	10152.9	10075.2
12.5°	12642.5	12568.1	12364.1	11897.9	11350.8	10790.7	10146.4	9641.3	9191.3	8987.4	8971.2
15°	12726.7	12590.7	12182.8	11515.9	10755.1	9991.0	9162.2	8459.7	7851.0	7533.7	7517.5
17.5°	12836.8	12613.4	11965.9	11078.8	10127.0	9000.3	7957.8	7074.0	6426.5	6180.4	6222.5
20°	12992.2	12639.3	11719.8	10593.2	9346.7	7873.7	6575.4	5762.8	5513.5	5497.3	5464.9
22.5°	13167.0	12655.5	11447.9	10049.3	8401.4	6672.5	5432.6	5086.2	5082.9	5163.9	5183.3
25°	13364.5	12668.4	11140.3	9414.7	7378.3	5474.7	4804.5	4700.9	4781.8	4934.0	4953.4
27.5°	13617.0	12694.3	10768.0	8718.7	6290.5	4730.0	4458.1	4432.2	4529.3	4671.7	4665.3
30°	13989.3	12788.2	10373.0	7919.0	5173.6	4377.1	4247.6	4250.9	4289.7	4357.7	4367.4
32.5°	14368.1	12933.9	9987.8	7019.0	4532.5	4176.4	4118.1	4111.7	4111.7	4140.8	4147.3
35°	14727.5	13099.0	9570.1	6080.1	4221.7	4059.9	4021.0	4001.6	3991.9	3985.4	3975.7
37.5°	14928.2	13180.0	9162.2	5154.1	4056.6	3982.2	3943.3	3917.4	3881.8	3855.9	3849.4
40°	14840.8	13086.1	8689.5	4461.3	3956.3	3907.7	3862.4	3826.8	3778.2	3755.5	3742.6
42.5°	14549.4	12794.7	8174.8	4134.3	3875.3	3826.8	3771.7	3713.4	3681.1	3661.6	3658.4
45°	14241.9	12441.8	7553.1	3943.3	3797.6	3739.3	3674.6	3609.8	3574.2	3564.5	3561.3
47.5°	14232.2	12267.0	6892.7	3791.1	3703.7	3645.5	3564.5	3499.8	3460.9	3448.0	3435.0
50°	14659.5	12445.0	6148.1	3658.4	3606.6	3545.1	3454.4	3383.2	3334.7	3318.5	3315.2
52.5°	15546.6	13115.2	5481.1	3525.7	3477.1	3405.9	3331.4	3260.2	3201.9	3172.8	3169.5
55°	16504.9	13966.7	5066.7	3389.7	3324.9	3263.4	3195.4	3117.7	3053.0	3007.7	3001.2
57.5°	17495.6	14895.9	4940.5	3218.1	3169.5	3127.4	3046.5	2962.3	2887.9	2845.8	2836.1
60°	18311.4	15695.5	5176.8	3036.8	3010.9	2955.9	2881.4	2800.5	2748.7	2716.3	2709.8
62.5°	15329.7	12778.5	4179.6	2839.3	2839.3	2781.0	2696.9	2638.6	2603.0	2580.3	2573.8
65°	9728.8	7912.5	2852.3	2641.8	2638.6	2560.9	2489.7	2450.8	2434.6	2399.0	2392.5
67.5°	4237.9	3616.3	2437.9	2441.1	2428.1	2344.0	2272.7	2243.6	2211.2	2172.4	2169.1
70°	2198.3	2240.4	2182.1	2217.7	2195.0	2094.7	2026.7	1981.4	1913.4	1874.5	1877.8
72.5°	1774.2	1819.5	1884.2	1939.3	1890.7	1809.8	1702.9	1647.9	1560.5	1518.4	1521.6
75°	1353.3	1401.8	1463.4	1521.6	1482.8	1382.4	1314.4	1259.4	1159.0	1110.5	1120.2
77.5°	932.4	958.3	1032.8	1029.5	1016.6	987.4	887.1	822.3	718.7	660.5	666.9
80°	579.5	595.7	631.3	647.5	641.0	602.2	521.2	472.7	411.2	375.6	378.8
82.5°	349.7	359.4	391.7	395.0	391.7	362.6	301.1	265.5	226.6	207.2	207.2
85°	178.1	184.5	204.0	204.0	184.5	155.4	139.2	123.0	100.4	90.7	90.7
87.5°	48.6	48.6	61.5	51.8	42.1	38.9	19.4	16.2	6.5	3.2	3.2
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)