

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: P643339

Luminaire Tested: GWS-SA6E-760-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643339  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6E-760-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

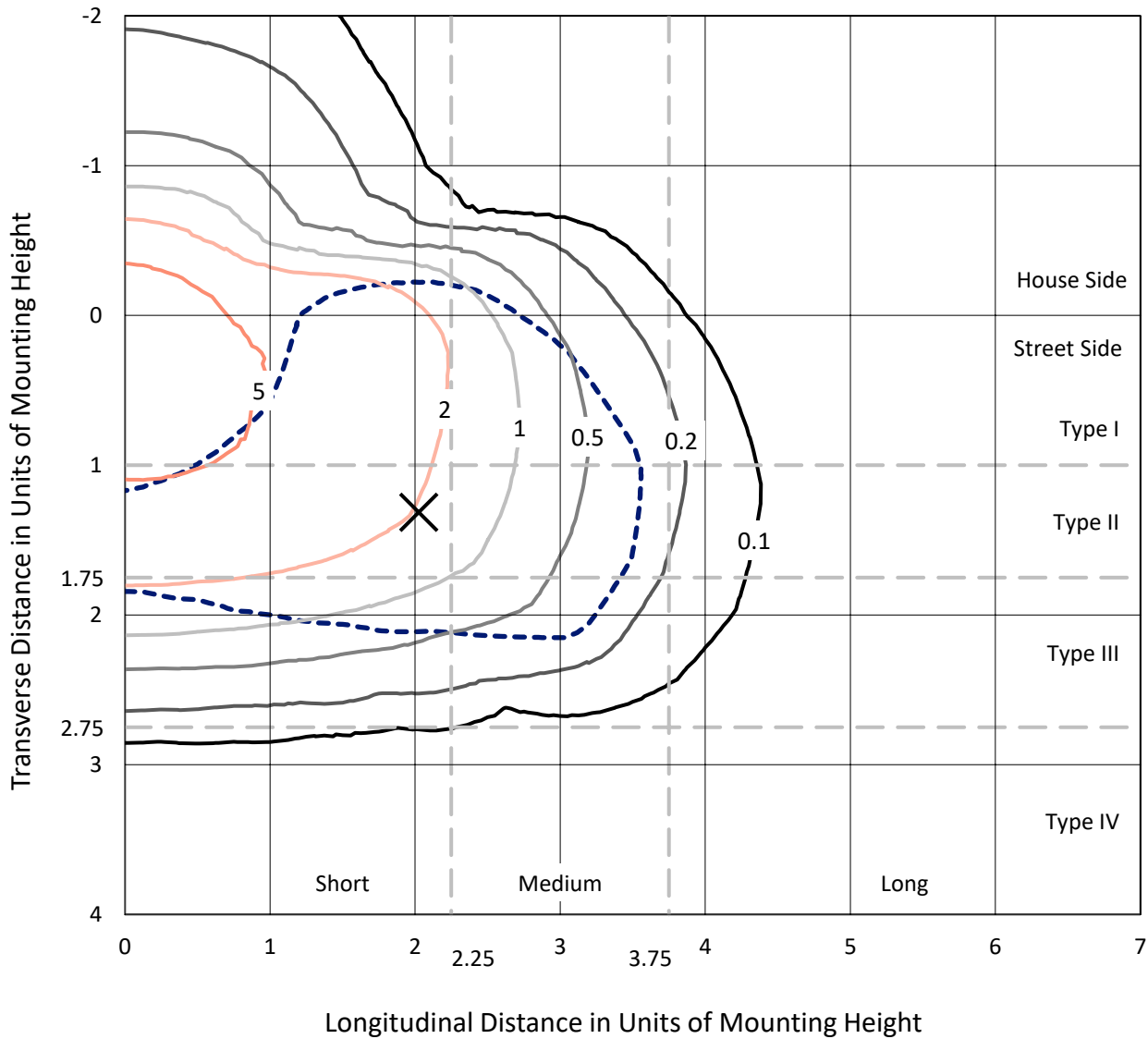
Lumens per Lamp: N/A  
Luminaire Lumens: 45193.5 lumens  
Efficiency: N/A  
Efficacy: 139.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): 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

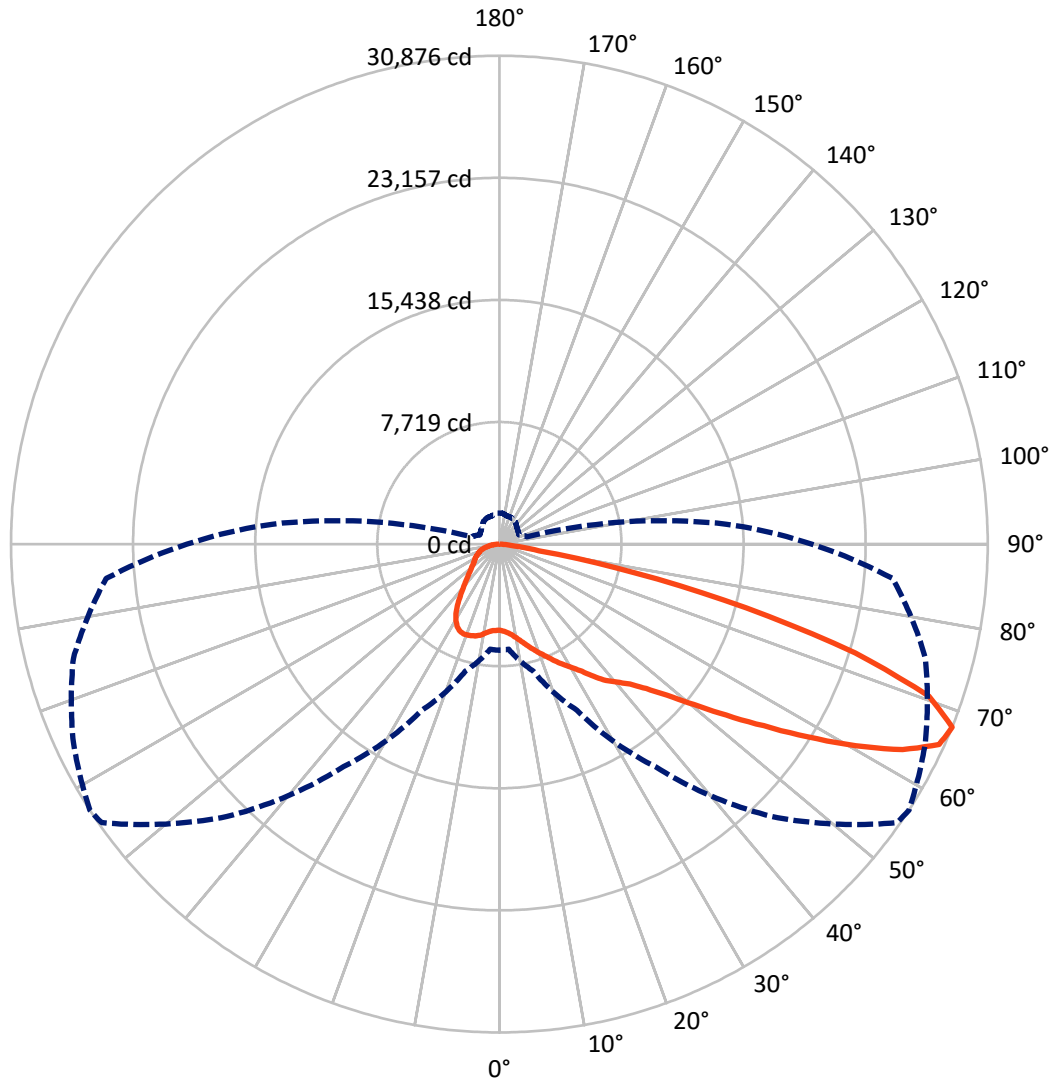
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9936.3	0.0	9936.3
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	35257.2	0.0	35257.2
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	45193.5	0.0	45193.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	540.1	1.2
10°-20°	1787.9	4.0
20°-30°	3187.6	7.1
30°-40°	4634.3	10.3
40°-50°	6707.4	14.8
50°-60°	10496.9	23.2
60°-70°	12245.3	27.1
70°-80°	5111.7	11.3
80°-90°	482.4	1.1
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°	45193.5	100.0
0°-180°	45193.5	100.0

**Coefficient of Utilization**







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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	5445.5	5445.5	5445.5	5445.5	5445.5	5445.5	5445.5	5445.5	5445.5	5445.5	5445.5
2.5°	5523.2	5516.7	5513.5	5532.9	5526.4	5523.2	5523.2	5520.0	5513.5	5487.6	5452.0
5°	5675.4	5662.4	5649.5	5665.7	5652.7	5639.8	5636.5	5630.0	5607.4	5568.5	5513.5
7.5°	5834.0	5821.1	5824.3	5834.0	5824.3	5817.8	5808.1	5801.6	5766.0	5704.5	5630.0
10°	6057.4	6057.4	6063.9	6073.6	6076.8	6067.1	6047.7	6038.0	5995.9	5918.2	5814.6
12.5°	6381.2	6374.7	6374.7	6368.2	6377.9	6368.2	6348.8	6332.6	6280.8	6180.4	6031.5
15°	6808.5	6782.6	6759.9	6717.9	6704.9	6669.3	6675.8	6666.1	6617.5	6481.5	6293.7
17.5°	7265.0	7261.8	7226.1	7142.0	7057.8	6999.5	7012.5	7009.2	6983.3	6798.8	6559.2
20°	7666.4	7682.6	7650.3	7585.5	7472.2	7362.1	7355.6	7371.8	7339.5	7154.9	6821.5
22.5°	8116.5	8103.5	8071.1	7987.0	7902.8	7786.2	7747.4	7734.4	7721.5	7511.0	7090.2
25°	8543.8	8582.7	8540.6	8462.9	8333.4	8207.1	8174.7	8187.7	8152.1	7873.6	7378.3
27.5°	9084.5	9100.7	9074.8	8967.9	8857.9	8679.8	8618.3	8618.3	8605.3	8213.6	7604.9
30°	9660.8	9706.1	9660.8	9573.3	9460.0	9204.3	9071.5	9058.6	9019.7	8563.2	7870.4
32.5°	10240.3	10272.7	10240.3	10156.1	10026.6	9803.2	9612.2	9583.1	9531.3	8945.3	8142.4
35°	10755.0	10784.2	10777.7	10797.1	10690.3	10408.6	10292.1	10279.1	10143.2	9443.8	8511.4
37.5°	11318.4	11354.0	11305.4	11344.3	11302.2	11036.7	11001.1	10936.3	10742.1	9913.3	8899.9
40°	11959.4	11991.8	11914.1	11930.3	11881.7	11732.8	11551.5	11464.1	11175.9	10421.6	9511.8
42.5°	12645.8	12720.2	12755.8	12726.7	12613.4	12529.2	12211.9	12101.9	11862.3	11337.8	10518.7
45°	13639.7	13749.7	13801.5	13727.1	13678.5	13558.7	13170.2	13037.5	12911.2	12629.6	11923.8
47.5°	14711.3	14811.7	14976.8	15009.1	15048.0	14957.3	14410.2	14280.7	14303.4	14271.0	13652.6
50°	15566.0	15650.2	16022.5	16420.7	16750.9	16776.8	16077.5	15938.3	16061.3	16164.9	15734.3
52.5°	16187.6	16262.1	16754.2	17576.5	18324.4	18878.0	18123.6	17965.0	18065.4	18298.5	18101.0
55°	16692.7	16796.3	17311.0	18573.7	20085.6	20959.7	20477.3	20276.6	20234.5	20522.6	20636.0
57.5°	16958.1	16990.5	17712.5	19353.9	21377.3	23002.6	23213.0	22986.4	22584.9	22743.6	23332.8
60°	16352.7	16407.8	17395.2	19554.6	22397.2	25029.3	26084.7	25896.9	25042.2	25129.6	25780.4
62.5°	14678.9	14756.6	15944.8	18599.6	22481.3	26382.6	28736.2	28616.4	27470.4	26997.7	27191.9
65°	11774.9	11800.8	13031.0	16236.2	20807.5	26550.9	30584.9	30555.7	29166.8	28059.6	27227.5
67.5°	6714.6	6669.3	8314.0	11580.6	17171.8	24362.3	30704.6	30876.2	29717.2	27884.8	24961.3
70°	2910.5	2917.0	3674.6	5714.2	11114.4	19690.6	28519.3	28813.9	28124.3	24974.2	19858.9
72.5°	1346.8	1366.2	1693.2	2473.5	4746.2	12215.2	23255.1	23520.6	22928.1	19988.5	14449.1
75°	951.8	968.0	1129.9	1418.0	2182.1	4759.2	15556.3	16113.1	16401.3	14950.9	9521.5
77.5°	722.0	744.6	825.6	984.2	1346.8	1686.7	7443.1	8770.4	10447.5	9301.4	4904.8
80°	459.7	459.7	547.1	657.2	822.3	877.4	2149.7	2547.9	5112.0	3833.2	1926.3
82.5°	310.8	320.5	372.3	417.6	472.7	498.6	922.7	984.2	1476.3	1304.7	793.2
85°	165.1	171.6	194.3	191.0	226.6	197.5	388.5	385.3	540.7	592.5	301.1
87.5°	0.0	0.0	3.2	3.2	6.5	9.7	42.1	45.3	113.3	181.3	100.4
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°	5445.5	5445.5	5445.5	5445.5	5445.5	5445.5	5445.5	5445.5	5445.5	5445.5	5445.5
2.5°	5471.4	5432.6	5452.0	5445.5	5464.9	5464.9	5429.3	5419.6	5422.8	5384.0	5371.0
5°	5520.0	5474.6	5484.4	5471.4	5490.8	5507.0	5490.8	5490.8	5510.3	5481.1	5464.9
7.5°	5630.0	5578.2	5578.2	5562.1	5584.7	5597.7	5584.7	5604.1	5639.8	5610.6	5594.4
10°	5804.9	5743.4	5746.6	5727.2	5736.9	5730.4	5678.6	5662.4	5672.1	5646.2	5633.3
12.5°	6031.5	5947.3	5947.3	5908.5	5885.8	5817.8	5711.0	5672.1	5678.6	5655.9	5646.2
15°	6248.4	6170.7	6154.5	6076.8	5973.2	5847.0	5749.8	5723.9	5730.4	5707.7	5691.6
17.5°	6504.2	6403.8	6345.5	6203.1	6012.1	5882.6	5785.4	5723.9	5672.1	5620.3	5607.4
20°	6740.5	6614.3	6507.4	6287.3	6054.2	5876.1	5694.8	5542.6	5416.4	5348.4	5332.2
22.5°	6983.3	6821.5	6633.7	6345.5	6050.9	5759.5	5426.1	5196.2	5008.4	4908.1	4927.5
25°	7213.2	7009.2	6753.5	6400.6	5947.3	5500.5	5047.3	4704.1	4490.4	4412.7	4390.1
27.5°	7404.2	7151.7	6863.5	6374.7	5733.6	5128.2	4529.3	4147.3	3940.1	3852.6	3830.0
30°	7617.9	7333.0	7022.2	6254.9	5396.9	4607.0	3943.3	3632.5	3483.6	3399.4	3402.6
32.5°	7863.9	7566.1	7245.6	6025.0	4966.4	4043.7	3460.9	3247.2	3127.4	3043.3	3030.3
35°	8194.2	7899.5	7394.5	5678.6	4419.2	3525.7	3130.7	2955.9	2806.9	2696.9	2674.2
37.5°	8602.1	8401.4	7410.7	5215.6	3833.2	3169.5	2894.3	2706.6	2525.3	2379.6	2363.4
40°	9301.4	9071.5	7277.9	4636.1	3334.6	2939.7	2696.9	2479.9	2269.5	2107.6	2085.0
42.5°	10298.6	9825.9	6993.0	3982.1	2959.1	2758.4	2509.1	2233.9	2020.2	1906.9	1890.7
45°	11567.7	10667.6	6565.7	3367.0	2680.7	2580.3	2311.6	2023.5	1910.1	1829.2	1813.0
47.5°	13121.7	11648.6	6073.6	2887.9	2463.8	2418.4	2110.9	1952.2	1851.9	1783.9	1767.7
50°	14980.0	12898.3	5668.9	2512.3	2269.5	2230.7	2046.1	1910.1	1829.2	1774.2	1761.2
52.5°	17100.6	14287.2	5471.4	2243.6	2101.2	2062.3	2023.5	1900.4	1832.4	1790.3	1774.2
55°	19302.1	15750.5	5286.9	2036.4	1958.7	1981.4	2026.7	1932.8	1881.0	1826.0	1809.8
57.5°	21429.1	17123.2	4833.6	1874.5	1855.1	1942.5	2042.9	1965.2	1903.7	1848.6	1829.2
60°	22895.7	17874.3	4066.3	1745.0	1777.4	1893.9	2000.8	1916.6	1838.9	1816.2	1806.5
62.5°	23290.7	17783.7	3156.6	1612.3	1683.5	1787.1	1890.7	1835.7	1754.7	1790.3	1793.6
65°	22368.0	16812.4	2369.9	1482.8	1560.5	1647.9	1777.4	1754.7	1725.6	1822.7	1826.0
67.5°	19755.3	14426.4	1806.5	1369.5	1434.2	1541.1	1741.8	1835.7	1842.1	1965.2	1952.2
70°	14947.6	10777.7	1414.8	1262.6	1337.1	1541.1	1855.1	1897.2	1819.5	1932.8	1906.9
72.5°	10334.2	7112.8	1204.4	1168.7	1217.3	1469.8	1851.9	1851.9	1767.7	1767.7	1719.1
75°	6420.0	4182.9	1049.0	1049.0	1049.0	1285.3	1800.1	1706.2	1557.2	1489.3	1450.4
77.5°	3169.5	2033.2	880.6	913.0	877.4	1074.9	1469.8	1395.4	1304.7	1233.5	1207.6
80°	1353.3	1016.6	712.3	747.9	705.8	809.4	1165.5	1149.3	1061.9	968.0	938.9
82.5°	621.6	524.5	569.8	586.0	514.8	608.7	851.5	851.5	802.9	673.4	624.8
85°	265.5	278.4	395.0	395.0	323.8	343.2	456.5	433.8	388.5	317.3	291.4
87.5°	90.7	136.0	200.7	174.8	68.0	29.1	16.2	6.5	0.0	0.0	0.0
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)