

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: P633064

Luminaire Tested: GWS-SA2E-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633064
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-SA2E-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9410.5 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

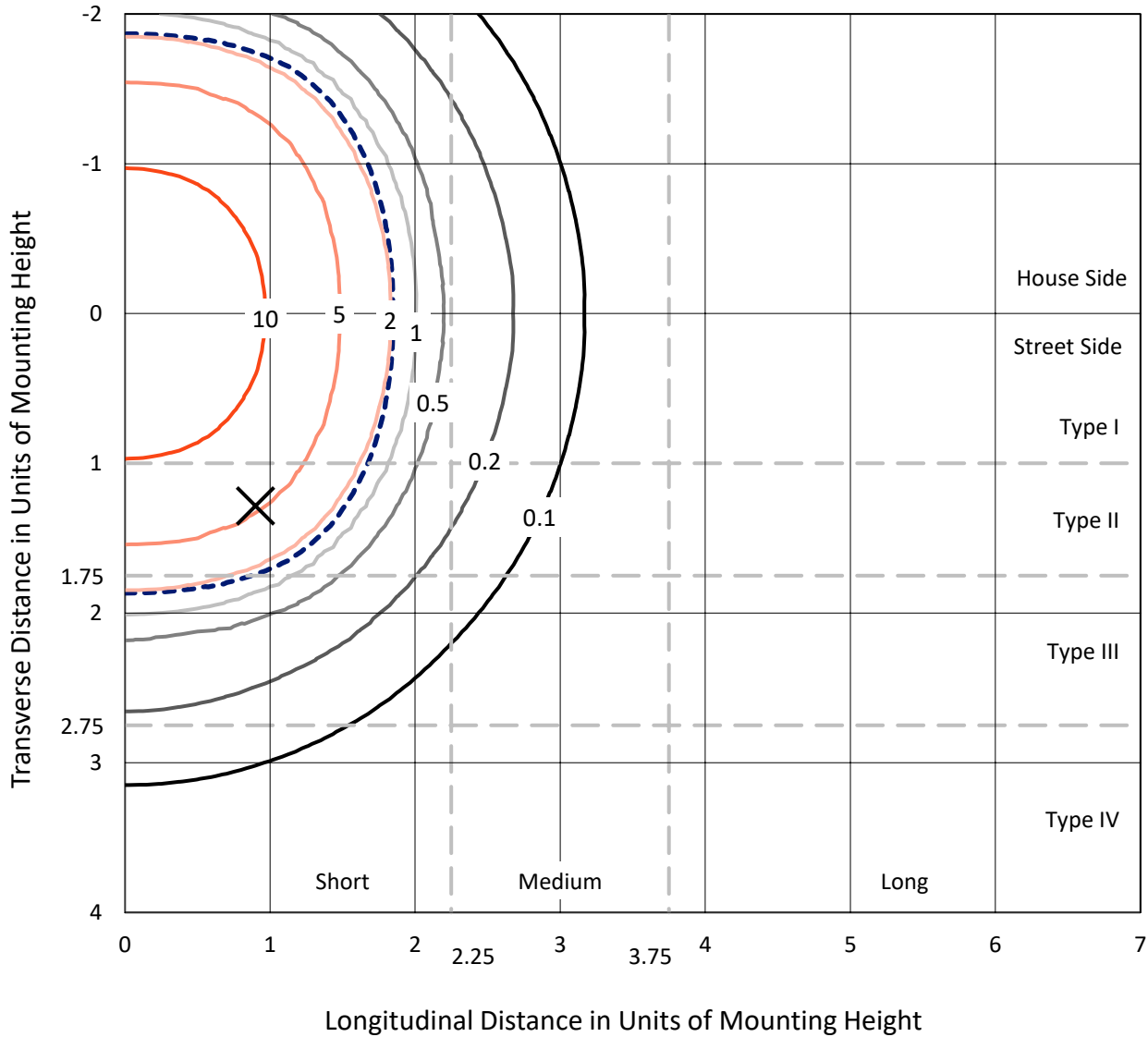
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

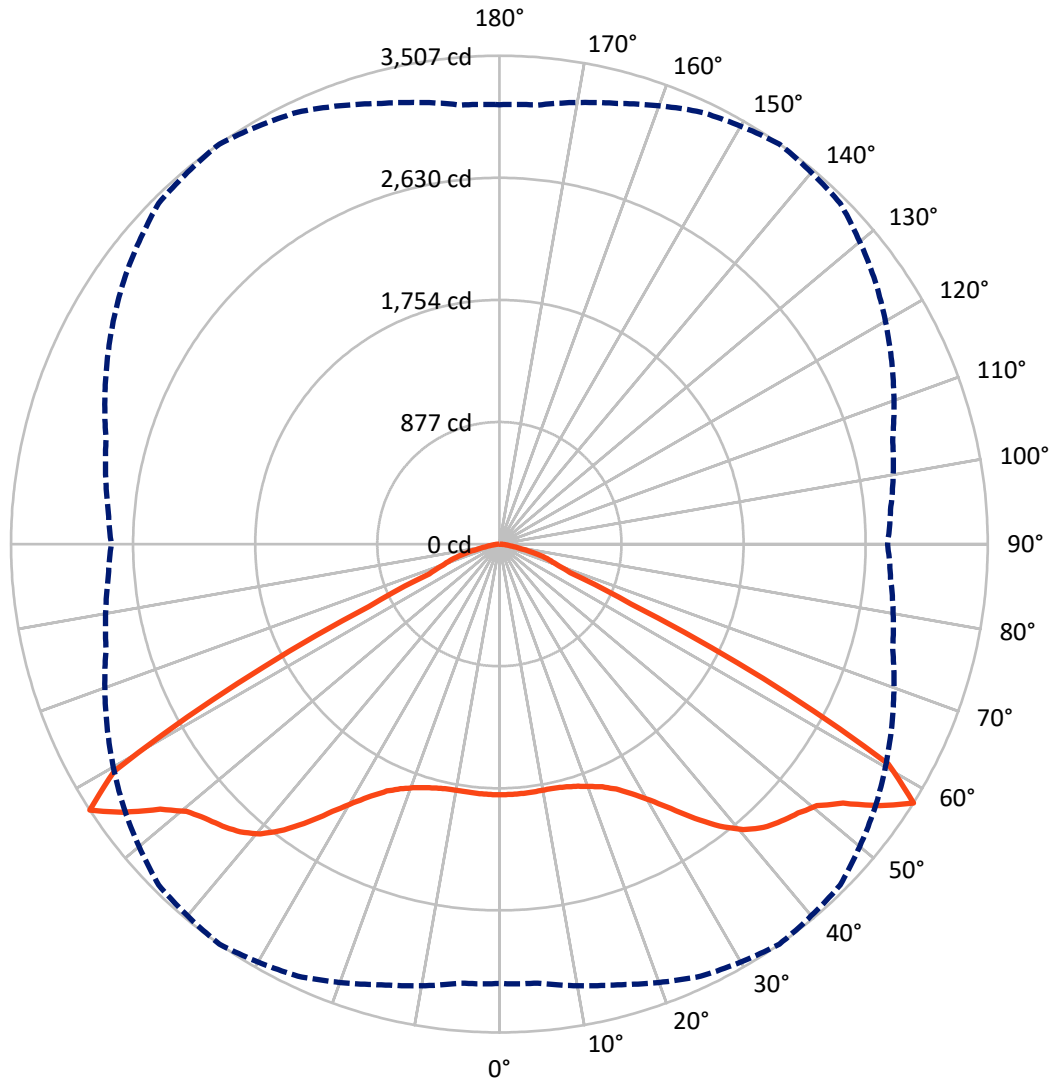
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18 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	4705.2	0.0	4705.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4705.2	0.0	4705.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9410.5	0.0	9410.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.3	1.8
10°-20°	511.1	5.4
20°-30°	891.7	9.5
30°-40°	1462.2	15.5
40°-50°	2153.5	22.9
50°-60°	2748.2	29.2
60°-70°	1158.2	12.3
70°-80°	276.7	2.9
80°-90°	37.7	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°	9410.5	100.0
0°-180°	9410.5	100.0

Coefficient of Utilization



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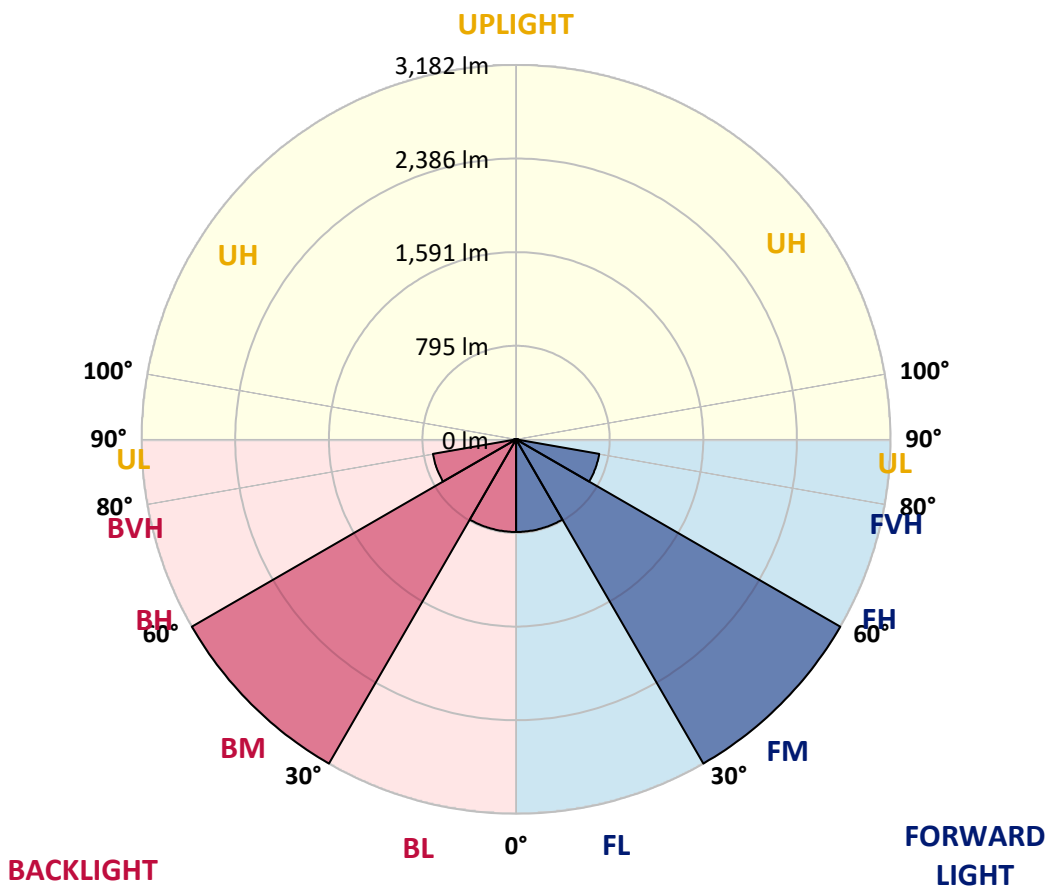
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	787.0	8.4			
FM (30°-60°)	3181.9	33.8			
FH (60°-80°)	717.4	7.6			G1/1800
FVH (80°-90°)	18.8	0.2			G1/100
BL (0°-30°)	787.0	8.4	B2/1000		
BM (30°-60°)	3181.9	33.8	B3/5000		
BH (60°-80°)	717.4	7.6	B2/1000		G1/1800
BVH (80°-90°)	18.8	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°	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6	1800.6
2.5°	1789.8	1789.8	1793.7	1797.5	1799.1	1806.0	1805.2	1802.9	1801.4	1796.7	1802.9
5°	1793.7	1793.7	1796.7	1799.1	1798.3	1803.7	1801.4	1797.5	1795.2	1790.6	1797.5
7.5°	1792.9	1792.9	1795.2	1797.5	1796.0	1800.6	1796.7	1791.3	1787.5	1782.9	1789.0
10°	1782.9	1784.4	1786.7	1792.1	1794.4	1801.4	1796.0	1787.5	1781.3	1775.9	1782.1
12.5°	1781.3	1782.9	1786.0	1792.9	1796.7	1806.8	1799.8	1786.0	1776.7	1769.8	1775.9
15°	1788.3	1789.8	1794.4	1802.9	1809.1	1819.9	1809.8	1790.6	1777.5	1768.2	1773.6
17.5°	1796.7	1799.1	1806.0	1818.3	1828.3	1839.9	1827.6	1804.4	1786.0	1773.6	1778.2
20°	1806.0	1809.1	1819.9	1838.3	1856.8	1871.5	1856.1	1825.2	1802.9	1786.7	1791.3
22.5°	1822.2	1826.0	1839.9	1866.1	1893.8	1915.4	1896.1	1854.5	1825.2	1804.4	1808.3
25°	1855.3	1859.9	1877.6	1909.2	1948.5	1974.7	1947.8	1900.8	1859.9	1834.5	1838.3
27.5°	1913.9	1916.2	1939.3	1980.9	2029.4	2059.5	2027.1	1971.6	1926.2	1896.9	1900.0
30°	1990.9	1997.8	2020.9	2075.6	2133.4	2173.5	2131.1	2065.6	2013.2	1977.8	1980.9
32.5°	2084.9	2089.5	2124.2	2181.2	2264.4	2310.6	2252.9	2175.0	2111.9	2068.7	2071.8
35°	2208.2	2212.0	2245.2	2317.6	2418.5	2461.7	2395.4	2306.0	2232.8	2192.0	2203.5
37.5°	2355.3	2362.3	2386.1	2457.8	2570.3	2612.7	2536.4	2453.2	2376.9	2339.2	2347.6
40°	2513.3	2512.5	2531.8	2594.9	2697.4	2723.6	2655.0	2588.8	2523.3	2498.6	2512.5
42.5°	2648.9	2645.0	2658.9	2711.3	2782.2	2784.5	2739.0	2702.0	2655.8	2638.9	2652.0
45°	2743.6	2745.2	2766.0	2802.2	2838.4	2819.2	2805.3	2799.1	2762.9	2739.8	2742.1
47.5°	2818.4	2824.5	2857.7	2882.3	2887.0	2854.6	2873.9	2883.1	2853.1	2817.6	2807.6
50°	2884.6	2894.7	2937.8	2964.0	2954.0	2913.2	2950.9	2964.8	2898.5	2830.7	2810.7
52.5°	3004.8	3016.4	3068.8	3102.7	3091.1	3050.3	3085.7	3036.4	2924.7	2841.5	2816.1
55°	3196.7	3202.1	3266.0	3321.5	3316.1	3266.0	3237.5	3128.1	2992.5	2906.2	2882.3
57.5°	3155.9	3165.1	3276.0	3424.0	3507.2	3461.7	3294.5	3108.1	2923.9	2819.9	2787.6
60°	2483.2	2505.6	2643.5	2903.9	3209.0	3208.2	2897.7	2608.0	2386.1	2248.2	2234.4
62.5°	1450.0	1465.4	1591.0	1854.5	2128.0	2145.0	1926.9	1728.2	1534.0	1440.8	1396.1
65°	686.5	685.7	735.8	854.5	1039.4	1054.0	988.5	879.9	765.1	733.5	725.0
67.5°	507.0	507.0	503.1	511.6	547.0	554.7	547.0	529.3	518.5	525.5	520.8
70°	439.9	440.7	436.1	433.8	433.8	431.5	434.5	441.5	446.1	455.3	450.7
72.5°	356.7	357.5	357.5	358.3	359.0	356.0	360.6	364.4	365.2	368.3	365.2
75°	253.5	255.0	259.6	263.5	266.6	266.6	268.1	268.9	265.8	269.7	263.5
77.5°	139.5	141.0	149.5	156.4	163.3	164.1	166.4	168.0	166.4	169.5	164.9
80°	77.0	78.6	82.4	85.5	90.9	95.5	98.6	100.2	100.2	102.5	100.2
82.5°	43.9	45.5	47.8	49.3	53.9	57.8	60.9	63.2	63.2	63.9	62.4
85°	20.8	20.8	22.3	23.9	26.2	27.7	31.6	33.9	33.9	35.4	33.9
87.5°	3.1	3.9	4.6	4.6	6.2	7.7	9.2	10.0	11.6	12.3	12.3
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)