

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: P632740

Luminaire Tested: GWS-SA2D-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-735-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9725.9 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

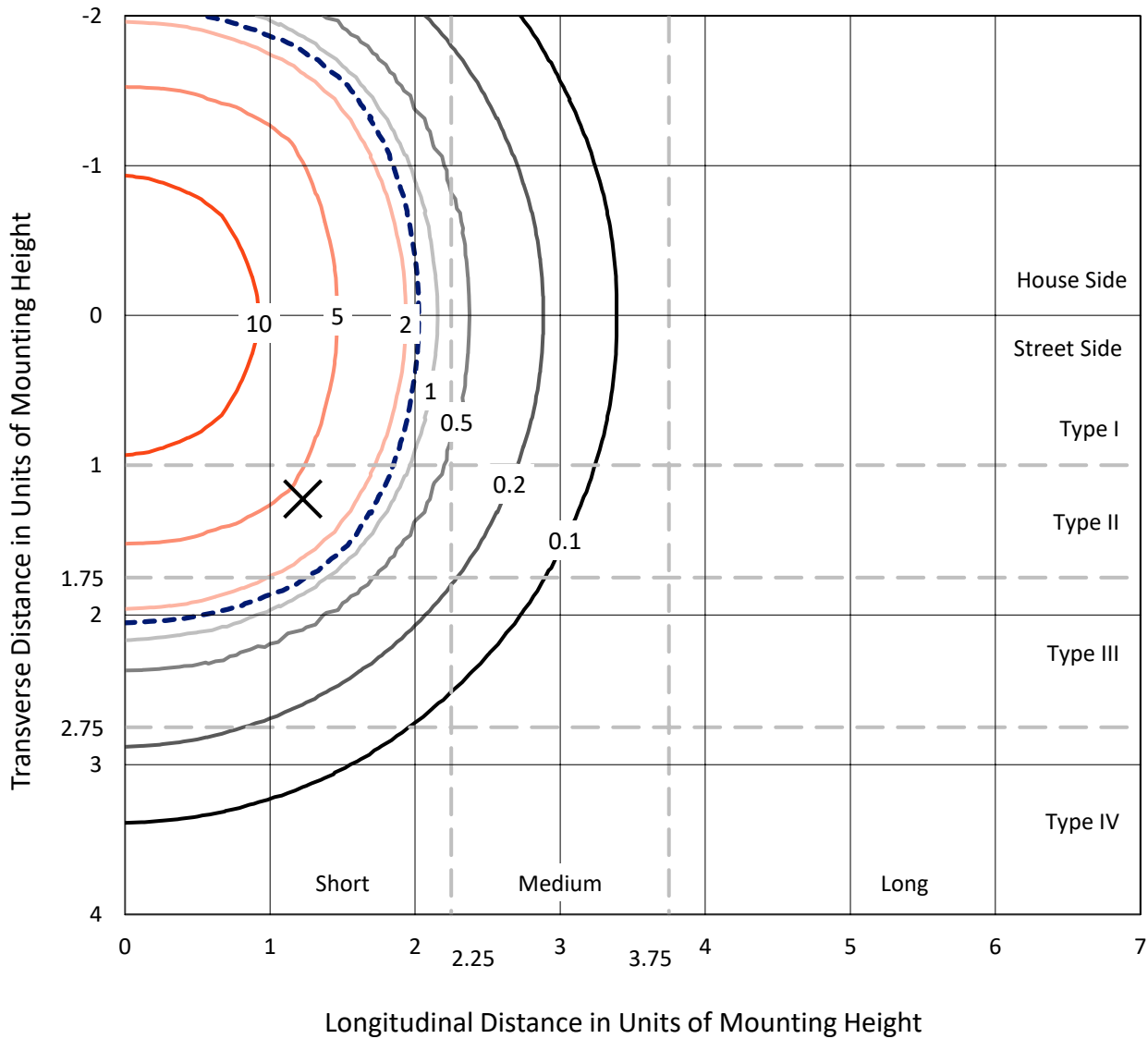
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

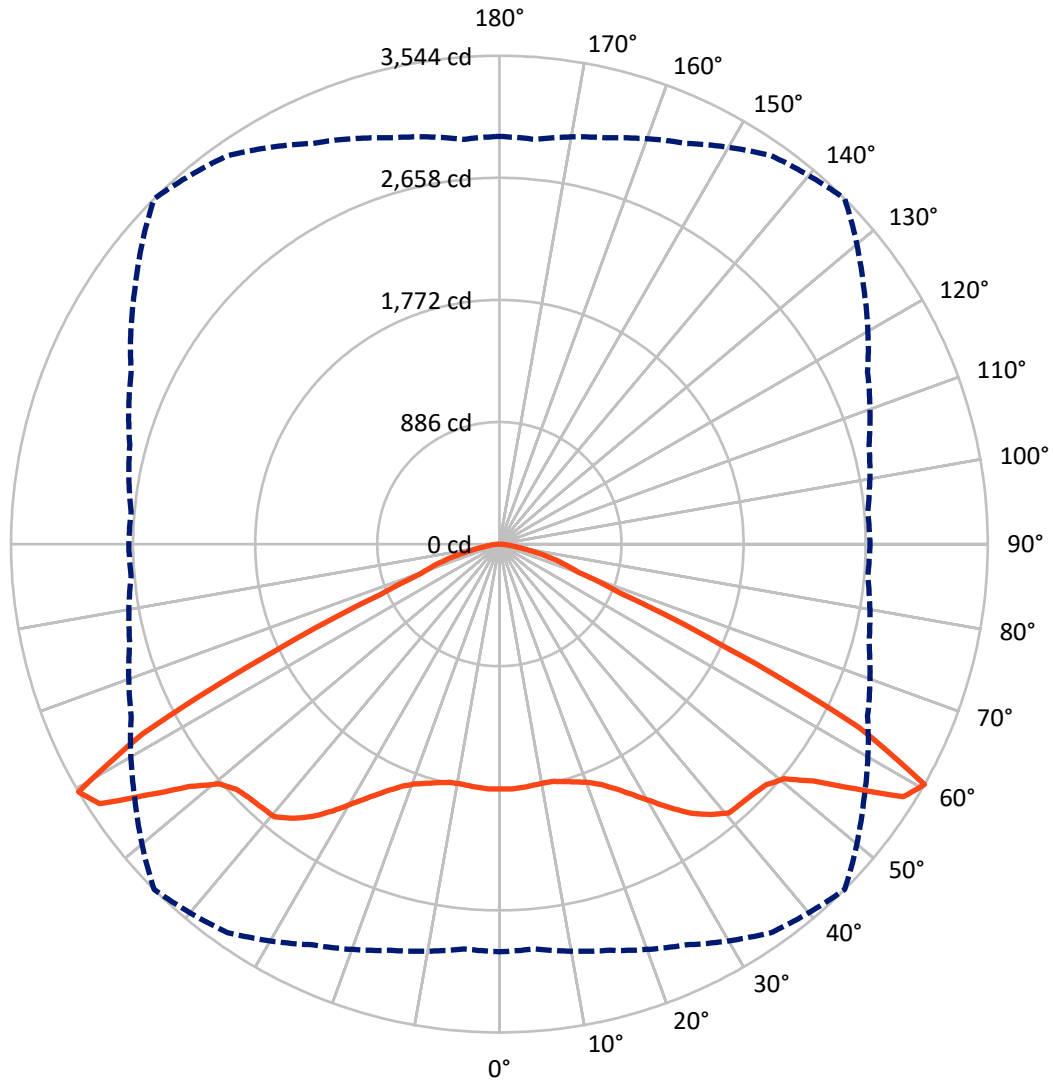
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4862.9	0.0	4862.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4862.9	0.0	4862.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9725.9	0.0	9725.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	1.7
10°-20°	507.0	5.2
20°-30°	897.0	9.2
30°-40°	1444.2	14.8
40°-50°	1985.0	20.4
50°-60°	2645.1	27.2
60°-70°	1648.6	17.0
70°-80°	379.1	3.9
80°-90°	51.4	0.5
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°	9725.9	100.0
0°-180°	9725.9	100.0

Coefficient of Utilization



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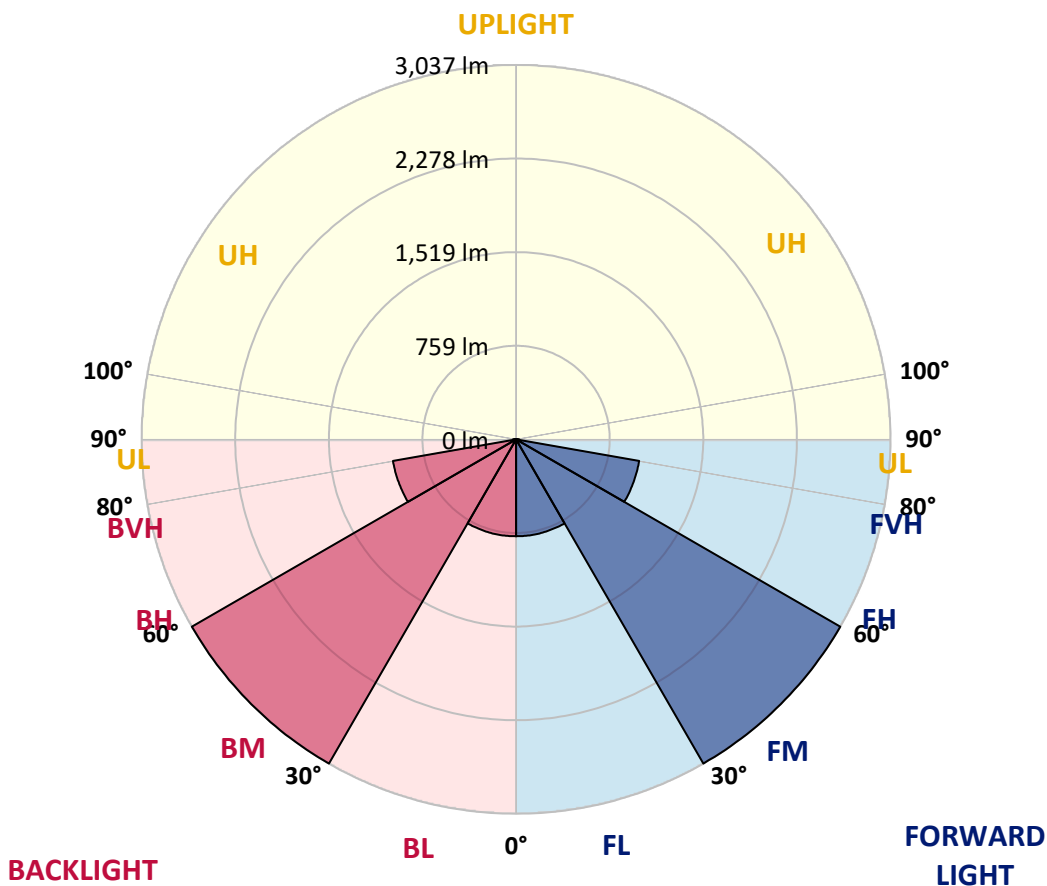
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	786.3	8.1			
FM (30°-60°)	3037.1	31.2			
FH (60°-80°)	1013.8	10.4			G1/1800
FVH (80°-90°)	25.7	0.3			G1/100
BL (0°-30°)	786.3	8.1	B2/1000		
BM (30°-60°)	3037.1	31.2	B3/5000		
BH (60°-80°)	1013.8	10.4	B3/2500		G1/1800
BVH (80°-90°)	25.7	0.3			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°	1777.4	1777.4	1777.4	1777.4	1777.4	1777.4	1777.4	1777.4	1777.4	1777.4	1777.4
2.5°	1765.0	1766.7	1770.0	1772.4	1775.7	1779.0	1780.7	1777.4	1775.7	1769.1	1776.6
5°	1766.7	1768.3	1770.8	1770.8	1771.6	1774.1	1774.1	1770.0	1765.8	1758.4	1766.7
7.5°	1764.2	1765.8	1766.7	1765.8	1766.7	1767.5	1765.8	1760.9	1756.8	1750.2	1756.8
10°	1760.1	1761.7	1763.4	1761.7	1760.1	1762.5	1762.5	1759.2	1756.8	1750.2	1757.6
12.5°	1769.1	1771.6	1772.4	1768.3	1766.7	1767.5	1767.5	1764.2	1764.2	1758.4	1766.7
15°	1790.6	1792.3	1789.8	1784.8	1785.6	1788.1	1782.3	1774.1	1772.4	1770.0	1776.6
17.5°	1807.1	1808.8	1806.3	1803.0	1808.8	1814.5	1803.8	1788.1	1783.2	1781.5	1789.0
20°	1825.3	1827.8	1824.5	1828.6	1840.1	1846.7	1833.5	1812.1	1802.2	1799.7	1808.8
22.5°	1855.0	1858.3	1858.3	1867.4	1884.7	1895.4	1878.9	1850.0	1835.2	1831.1	1840.1
25°	1902.1	1904.5	1907.0	1925.2	1953.2	1968.1	1941.7	1902.1	1881.4	1874.8	1879.8
27.5°	1967.3	1971.4	1975.5	2001.9	2036.6	2058.1	2020.1	1970.6	1945.0	1931.8	1941.7
30°	2044.9	2050.6	2060.6	2090.3	2139.0	2162.9	2114.2	2054.0	2025.1	2011.0	2024.2
32.5°	2150.5	2151.4	2158.8	2191.8	2256.2	2283.5	2222.4	2155.5	2125.8	2109.3	2116.7
35°	2276.0	2276.8	2265.3	2299.1	2368.5	2399.0	2327.2	2259.5	2234.7	2229.8	2248.8
37.5°	2404.8	2397.4	2385.8	2400.7	2470.9	2490.7	2414.7	2356.9	2346.2	2355.3	2383.3
40°	2496.4	2484.1	2460.9	2471.7	2542.7	2565.8	2484.9	2430.4	2427.1	2449.4	2483.2
42.5°	2555.9	2542.7	2515.4	2515.4	2564.1	2574.0	2511.3	2482.4	2489.8	2515.4	2547.6
45°	2584.8	2577.3	2561.7	2553.4	2580.6	2584.8	2536.9	2525.3	2539.4	2551.8	2576.5
47.5°	2607.1	2607.1	2602.1	2593.9	2606.2	2608.7	2573.2	2569.9	2588.1	2588.1	2604.6
50°	2646.7	2650.8	2657.4	2655.8	2669.0	2677.2	2650.8	2645.9	2653.3	2629.4	2637.6
52.5°	2750.7	2761.4	2780.4	2795.3	2829.1	2854.7	2807.7	2768.0	2729.2	2676.4	2678.1
55°	2937.3	2942.2	2979.4	3023.1	3080.1	3132.1	3035.5	2912.5	2828.3	2766.4	2767.2
57.5°	3095.0	3102.4	3156.9	3248.5	3376.5	3457.4	3243.6	3038.0	2919.1	2843.2	2845.6
60°	2958.7	2948.8	3052.0	3208.9	3440.9	3544.1	3228.7	2948.0	2777.1	2683.0	2689.6
62.5°	2289.2	2270.2	2385.0	2549.3	2827.5	2930.7	2640.1	2371.0	2209.2	2135.7	2124.9
65°	1393.5	1376.2	1458.7	1559.5	1747.7	1812.9	1680.0	1537.2	1396.0	1351.4	1339.0
67.5°	758.7	756.2	778.5	828.0	910.6	941.1	915.5	847.8	811.5	780.1	780.1
70°	601.8	596.9	592.7	593.6	601.0	605.1	605.9	602.6	606.8	607.6	604.3
72.5°	498.6	497.0	488.7	489.5	486.2	484.6	490.4	493.7	500.3	501.1	501.1
75°	361.6	357.5	361.6	362.4	359.1	359.1	363.2	362.4	365.7	367.4	358.3
77.5°	205.6	205.6	211.3	217.9	222.9	222.9	227.0	227.0	231.2	230.3	228.7
80°	113.1	113.1	116.4	120.5	125.5	130.4	134.6	135.4	137.9	137.0	134.6
82.5°	64.4	65.2	66.9	69.3	74.3	78.4	82.6	83.4	85.9	85.9	83.4
85°	30.5	29.7	30.5	32.2	34.7	38.0	42.1	44.6	46.2	46.2	44.6
87.5°	5.8	6.6	5.8	6.6	7.4	9.9	11.6	13.2	15.7	16.5	14.9
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)