

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: P632850

Luminaire Tested: GWS-SA2D-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632850
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10087 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

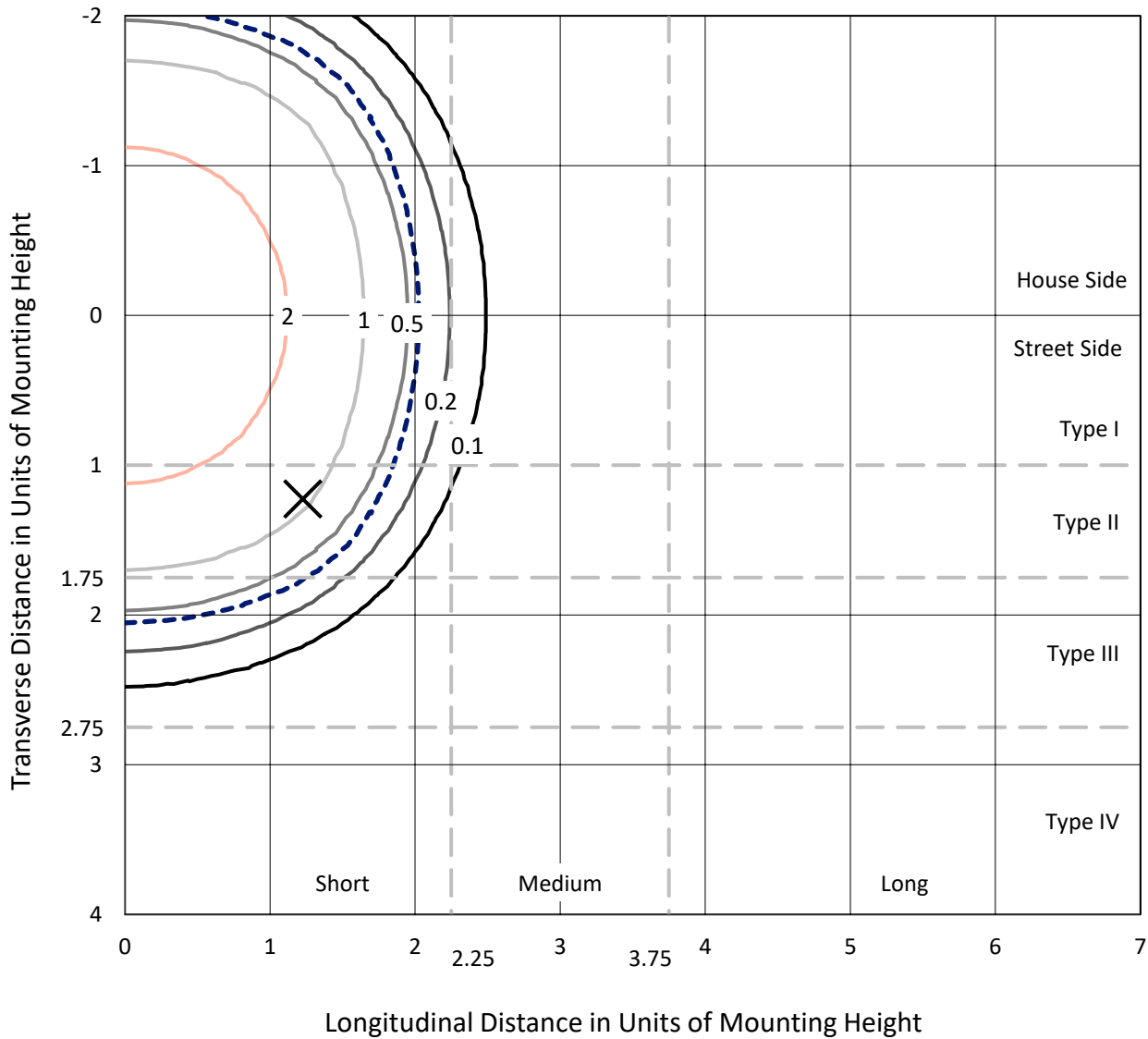
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

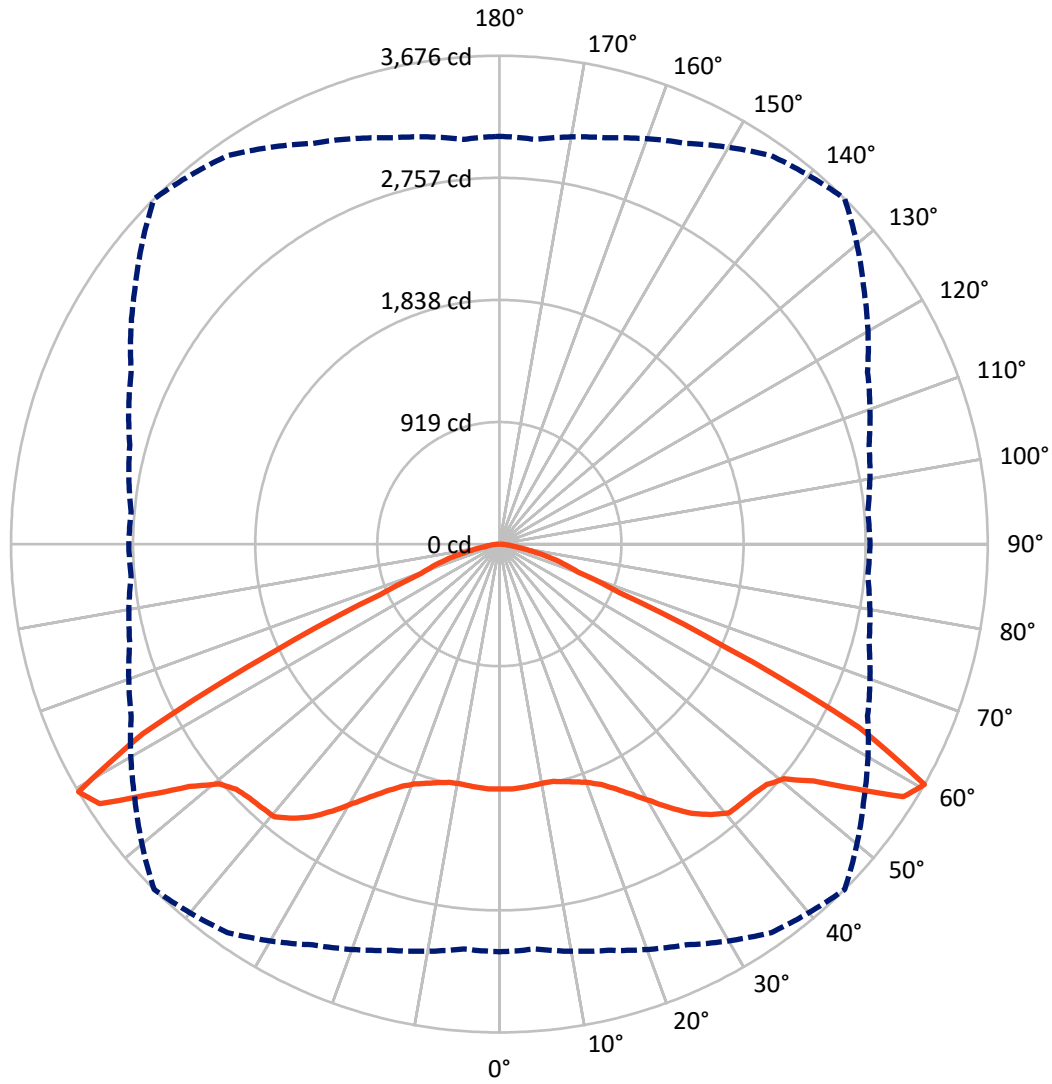
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 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	5043.5	0.0	5043.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5043.5	0.0	5043.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10087.0	0.0	10087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.8	1.7
10°-20°	525.8	5.2
20°-30°	930.3	9.2
30°-40°	1497.8	14.8
40°-50°	2058.7	20.4
50°-60°	2743.4	27.2
60°-70°	1709.8	17.0
70°-80°	393.2	3.9
80°-90°	53.3	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°	10087.0	100.0
0°-180°	10087.0	100.0

Coefficient of Utilization



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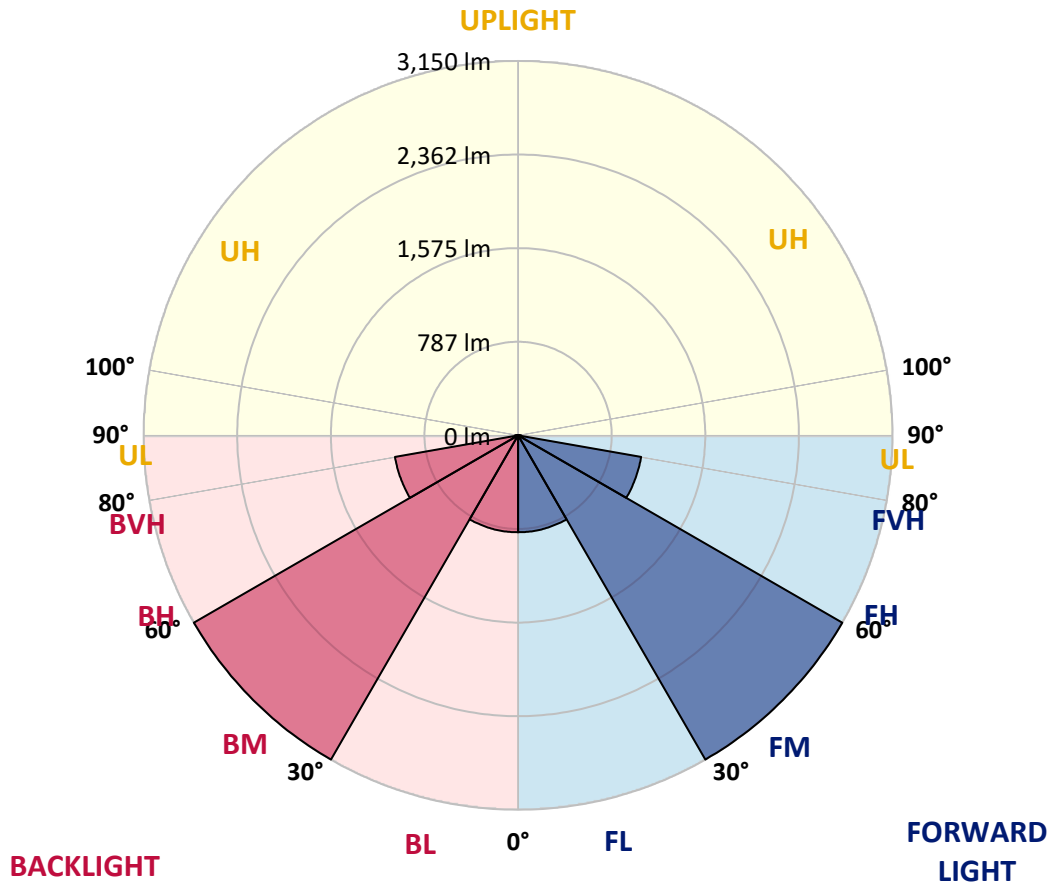
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	815.5	8.1			
FM (30°-60°)	3149.9	31.2			
FH (60°-80°)	1051.5	10.4			G1/1800
FVH (80°-90°)	26.7	0.3			G1/100
BL (0°-30°)	815.5	8.1	B2/1000		
BM (30°-60°)	3149.9	31.2	B3/5000		
BH (60°-80°)	1051.5	10.4	B3/2500		G1/1800
BVH (80°-90°)	26.7	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°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1830.5	1832.3	1835.7	1838.2	1841.7	1845.1	1846.8	1843.4	1841.7	1834.8	1842.5
5°	1832.3	1834.0	1836.5	1836.5	1837.4	1840.0	1840.0	1835.7	1831.4	1823.7	1832.3
7.5°	1829.7	1831.4	1832.3	1831.4	1832.3	1833.1	1831.4	1826.3	1822.0	1815.1	1822.0
10°	1825.4	1827.1	1828.8	1827.1	1825.4	1828.0	1828.0	1824.5	1822.0	1815.1	1822.8
12.5°	1834.8	1837.4	1838.2	1834.0	1832.3	1833.1	1833.1	1829.7	1829.7	1823.7	1832.3
15°	1857.1	1858.8	1856.2	1851.1	1851.9	1854.5	1848.5	1840.0	1838.2	1835.7	1842.5
17.5°	1874.2	1875.9	1873.4	1869.9	1875.9	1881.9	1870.8	1854.5	1849.4	1847.7	1855.4
20°	1893.0	1895.6	1892.2	1896.5	1908.5	1915.3	1901.6	1879.3	1869.1	1866.5	1875.9
22.5°	1923.9	1927.3	1927.3	1936.7	1954.7	1965.8	1948.7	1918.7	1903.3	1899.0	1908.5
25°	1972.7	1975.2	1977.8	1996.6	2025.8	2041.2	2013.8	1972.7	1951.3	1944.4	1949.6
27.5°	2040.3	2044.6	2048.9	2076.3	2112.2	2134.5	2095.1	2043.7	2017.2	2003.5	2013.8
30°	2120.8	2126.8	2137.1	2167.9	2218.4	2243.2	2192.7	2130.2	2100.2	2085.7	2099.4
32.5°	2230.4	2231.2	2238.9	2273.2	2340.0	2368.2	2304.9	2235.5	2204.7	2187.6	2195.3
35°	2360.5	2361.4	2349.4	2384.5	2456.4	2488.1	2413.6	2343.4	2317.7	2312.6	2332.3
37.5°	2494.1	2486.4	2474.4	2489.8	2562.6	2583.1	2504.4	2444.4	2433.3	2442.7	2471.8
40°	2589.1	2576.3	2552.3	2563.4	2637.1	2661.0	2577.1	2520.6	2517.2	2540.3	2575.4
42.5°	2650.8	2637.1	2608.8	2608.8	2659.3	2669.6	2604.5	2574.6	2582.3	2608.8	2642.2
45°	2680.7	2673.0	2656.8	2648.2	2676.5	2680.7	2631.1	2619.1	2633.7	2646.5	2672.2
47.5°	2703.9	2703.9	2698.7	2690.2	2703.0	2705.6	2668.8	2665.3	2684.2	2684.2	2701.3
50°	2745.0	2749.2	2756.1	2754.4	2768.1	2776.6	2749.2	2744.1	2751.8	2727.0	2735.5
52.5°	2852.8	2864.0	2883.7	2899.1	2934.2	2960.7	2911.9	2870.8	2830.6	2775.8	2777.5
55°	3046.3	3051.5	3090.0	3135.4	3194.5	3248.4	3148.2	3020.7	2933.3	2869.1	2870.0
57.5°	3209.9	3217.6	3274.1	3369.1	3501.8	3585.7	3364.0	3150.8	3027.5	2948.7	2951.3
60°	3068.6	3058.3	3165.3	3328.0	3568.6	3675.6	3348.6	3057.5	2880.2	2782.6	2789.5
62.5°	2374.2	2354.5	2473.5	2643.9	2932.5	3039.5	2738.1	2459.0	2291.2	2215.0	2203.8
65°	1445.3	1427.3	1512.9	1617.3	1812.6	1880.2	1742.4	1594.2	1447.8	1401.6	1388.7
67.5°	786.8	784.3	807.4	858.8	944.4	976.1	949.5	879.3	841.6	809.1	809.1
70°	624.2	619.0	614.7	615.6	623.3	627.6	628.4	625.0	629.3	630.2	626.7
72.5°	517.1	515.4	506.9	507.7	504.3	502.6	508.6	512.0	518.9	519.7	519.7
75°	375.0	370.7	375.0	375.9	372.4	372.4	376.7	375.9	379.3	381.0	371.6
77.5°	213.2	213.2	219.2	226.0	231.2	231.2	235.5	235.5	239.7	238.9	237.2
80°	117.3	117.3	120.7	125.0	130.1	135.3	139.6	140.4	143.0	142.1	139.6
82.5°	66.8	67.6	69.4	71.9	77.1	81.3	85.6	86.5	89.0	89.0	86.5
85°	31.7	30.8	31.7	33.4	36.0	39.4	43.7	46.2	47.9	47.9	46.2
87.5°	6.0	6.8	6.0	6.8	7.7	10.3	12.0	13.7	16.3	17.1	15.4
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)