

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: P635050

Luminaire Tested: GWS-SA3D-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635050
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-SA3D-722-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10947.6 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

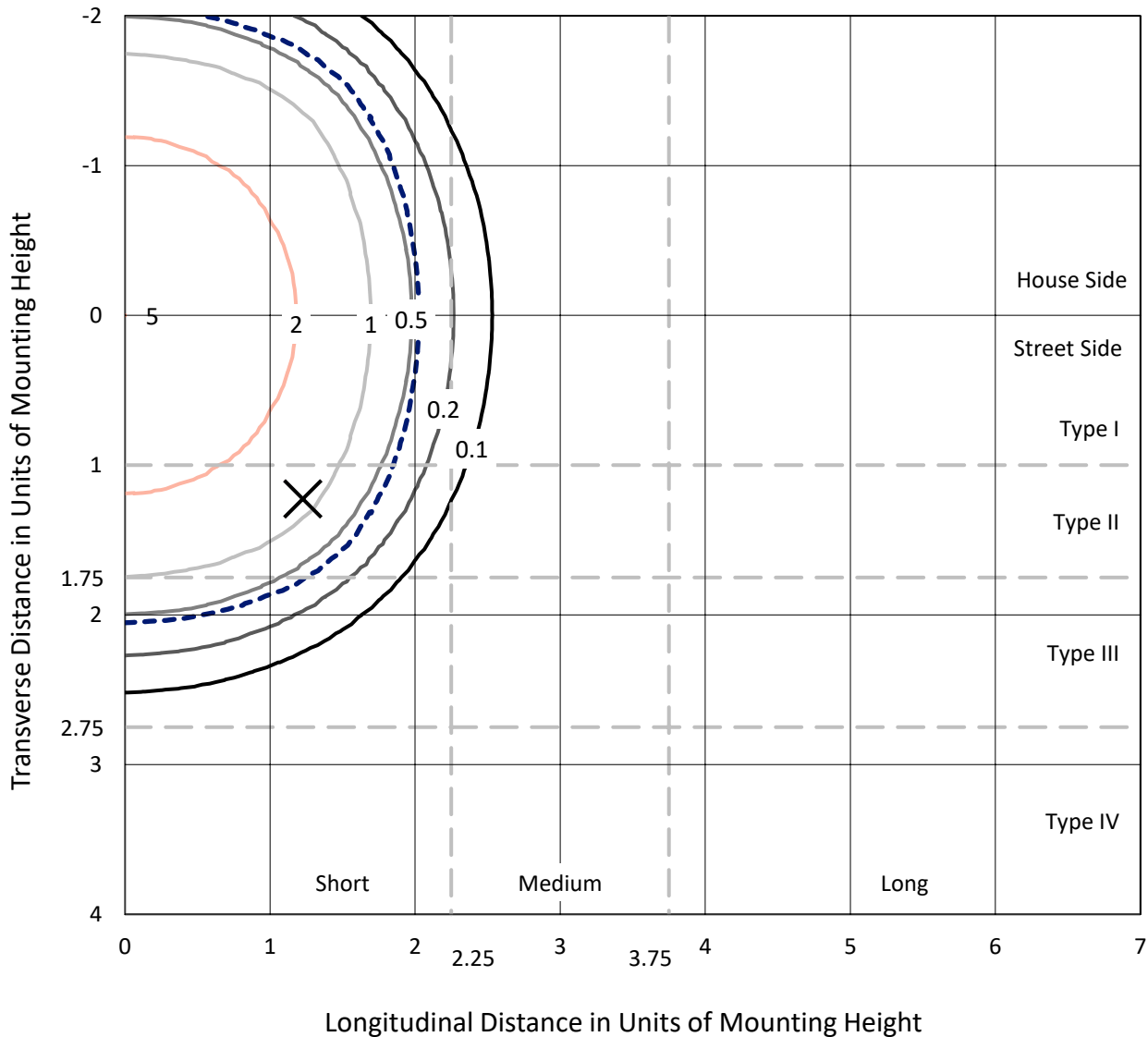
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

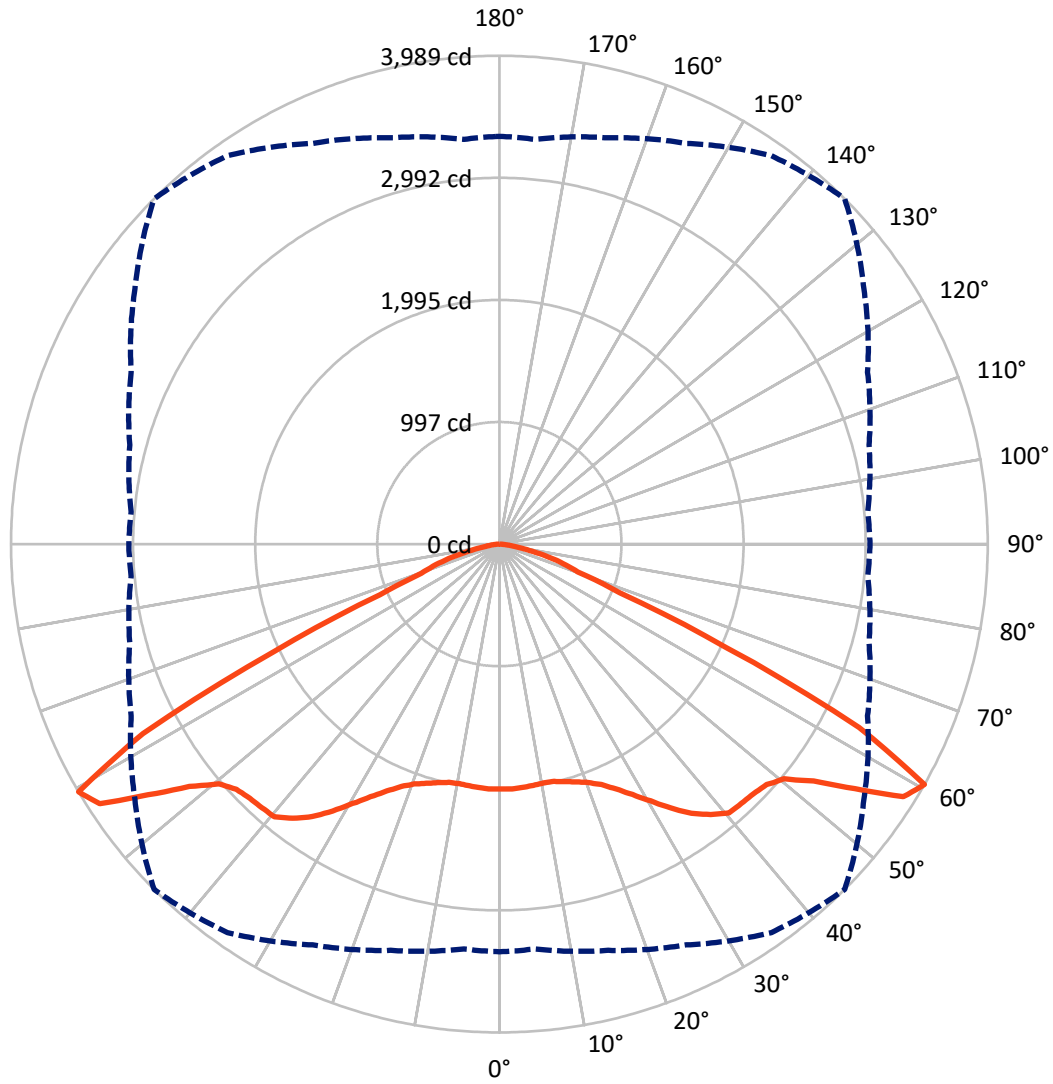
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 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	5473.8	0.0	5473.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5473.8	0.0	5473.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	10947.6	0.0	10947.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.7	1.7
10°-20°	570.7	5.2
20°-30°	1009.6	9.2
30°-40°	1625.5	14.8
40°-50°	2234.3	20.4
50°-60°	2977.4	27.2
60°-70°	1855.7	17.0
70°-80°	426.7	3.9
80°-90°	57.9	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°	10947.6	100.0
0°-180°	10947.6	100.0

Coefficient of Utilization



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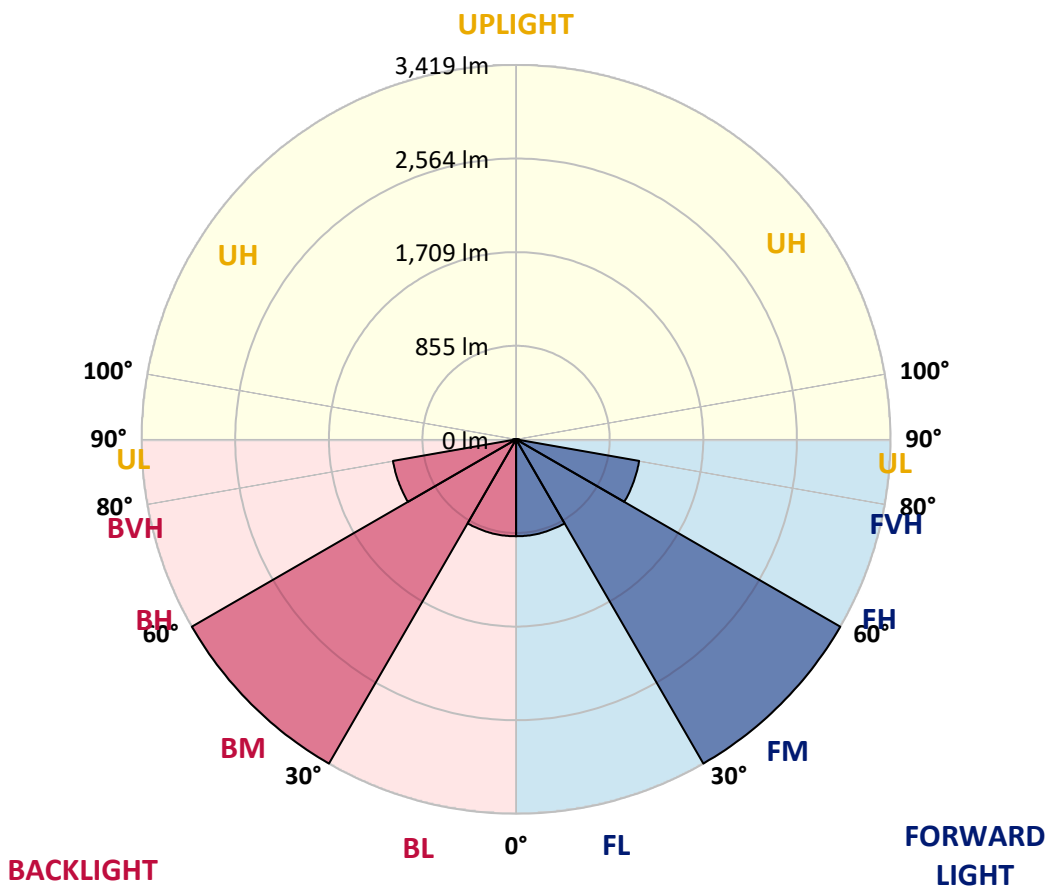
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	885.0	8.1			
FM (30°-60°)	3418.6	31.2			
FH (60°-80°)	1141.2	10.4			G1/1800
FVH (80°-90°)	28.9	0.3			G1/100
BL (0°-30°)	885.0	8.1	B2/1000		
BM (30°-60°)	3418.6	31.2	B3/5000		
BH (60°-80°)	1141.2	10.4	B3/2500		G1/1800
BVH (80°-90°)	28.9	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°	2000.7	2000.7	2000.7	2000.7	2000.7	2000.7	2000.7	2000.7	2000.7	2000.7	2000.7
2.5°	1986.7	1988.6	1992.3	1995.1	1998.8	2002.5	2004.4	2000.7	1998.8	1991.4	1999.7
5°	1988.6	1990.4	1993.2	1993.2	1994.2	1996.9	1996.9	1992.3	1987.6	1979.3	1988.6
7.5°	1985.8	1987.6	1988.6	1987.6	1988.6	1989.5	1987.6	1982.1	1977.4	1970.0	1977.4
10°	1981.1	1983.0	1984.9	1983.0	1981.1	1983.9	1983.9	1980.2	1977.4	1970.0	1978.4
12.5°	1991.4	1994.2	1995.1	1990.4	1988.6	1989.5	1989.5	1985.8	1985.8	1979.3	1988.6
15°	2015.5	2017.4	2014.6	2009.0	2010.0	2012.7	2006.2	1996.9	1995.1	1992.3	1999.7
17.5°	2034.1	2036.0	2033.2	2029.5	2036.0	2042.5	2030.4	2012.7	2007.2	2005.3	2013.7
20°	2054.6	2057.3	2053.6	2058.3	2071.3	2078.7	2063.8	2039.7	2028.5	2025.7	2036.0
22.5°	2088.0	2091.7	2091.7	2101.9	2121.5	2133.5	2115.0	2082.4	2065.7	2061.1	2071.3
25°	2141.0	2143.8	2146.5	2167.0	2198.6	2215.3	2185.6	2141.0	2117.7	2110.3	2115.9
27.5°	2214.4	2219.0	2223.7	2253.4	2292.4	2316.6	2273.9	2218.1	2189.3	2174.4	2185.6
30°	2301.7	2308.2	2319.4	2352.8	2407.7	2434.6	2379.8	2312.0	2279.4	2263.6	2278.5
32.5°	2420.7	2421.6	2430.0	2467.1	2539.6	2570.3	2501.5	2426.3	2392.8	2374.2	2382.6
35°	2561.9	2562.8	2549.8	2587.9	2666.0	2700.4	2619.5	2543.3	2515.5	2509.9	2531.3
37.5°	2706.9	2698.5	2685.5	2702.2	2781.2	2803.5	2718.0	2653.0	2640.9	2651.1	2682.7
40°	2810.0	2796.1	2770.1	2782.2	2862.1	2888.1	2797.0	2735.7	2732.0	2757.1	2795.2
42.5°	2876.9	2862.1	2831.4	2831.4	2886.2	2897.4	2826.8	2794.2	2802.6	2831.4	2867.6
45°	2909.5	2901.1	2883.4	2874.1	2904.8	2909.5	2855.6	2842.6	2858.3	2872.3	2900.2
47.5°	2934.5	2934.5	2929.0	2919.7	2933.6	2936.4	2896.4	2892.7	2913.2	2913.2	2931.8
50°	2979.2	2983.8	2991.2	2989.4	3004.2	3013.5	2983.8	2978.2	2986.6	2959.6	2968.9
52.5°	3096.2	3108.3	3129.7	3146.4	3184.5	3213.3	3160.4	3115.7	3072.1	3012.6	3014.5
55°	3306.2	3311.8	3353.6	3402.9	3467.0	3525.5	3416.8	3278.4	3183.6	3113.9	3114.8
57.5°	3483.7	3492.1	3553.4	3656.6	3800.6	3891.7	3651.0	3419.6	3285.8	3200.3	3203.1
60°	3330.4	3319.3	3435.4	3612.0	3873.1	3989.2	3634.3	3318.3	3126.0	3020.0	3027.5
62.5°	2576.8	2555.4	2684.6	2869.5	3182.7	3298.8	2971.7	2668.8	2486.7	2403.9	2391.9
65°	1568.6	1549.0	1642.0	1755.3	1967.2	2040.6	1891.0	1730.2	1571.3	1521.2	1507.2
67.5°	854.0	851.2	876.3	932.0	1025.0	1059.3	1030.5	954.3	913.4	878.1	878.1
70°	677.4	671.8	667.2	668.1	676.5	681.1	682.1	678.3	683.0	683.9	680.2
72.5°	561.3	559.4	550.1	551.0	547.3	545.5	552.0	555.7	563.1	564.0	564.0
75°	407.0	402.4	407.0	407.9	404.2	404.2	408.9	407.9	411.7	413.5	403.3
77.5°	231.4	231.4	237.9	245.3	250.9	250.9	255.5	255.5	260.2	259.3	257.4
80°	127.3	127.3	131.0	135.7	141.2	146.8	151.5	152.4	155.2	154.3	151.5
82.5°	72.5	73.4	75.3	78.1	83.6	88.3	92.9	93.9	96.6	96.6	93.9
85°	34.4	33.5	34.4	36.2	39.0	42.7	47.4	50.2	52.0	52.0	50.2
87.5°	6.5	7.4	6.5	7.4	8.4	11.2	13.0	14.9	17.7	18.6	16.7
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)