

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: P632844

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632844
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-SA2D-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10457.7 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

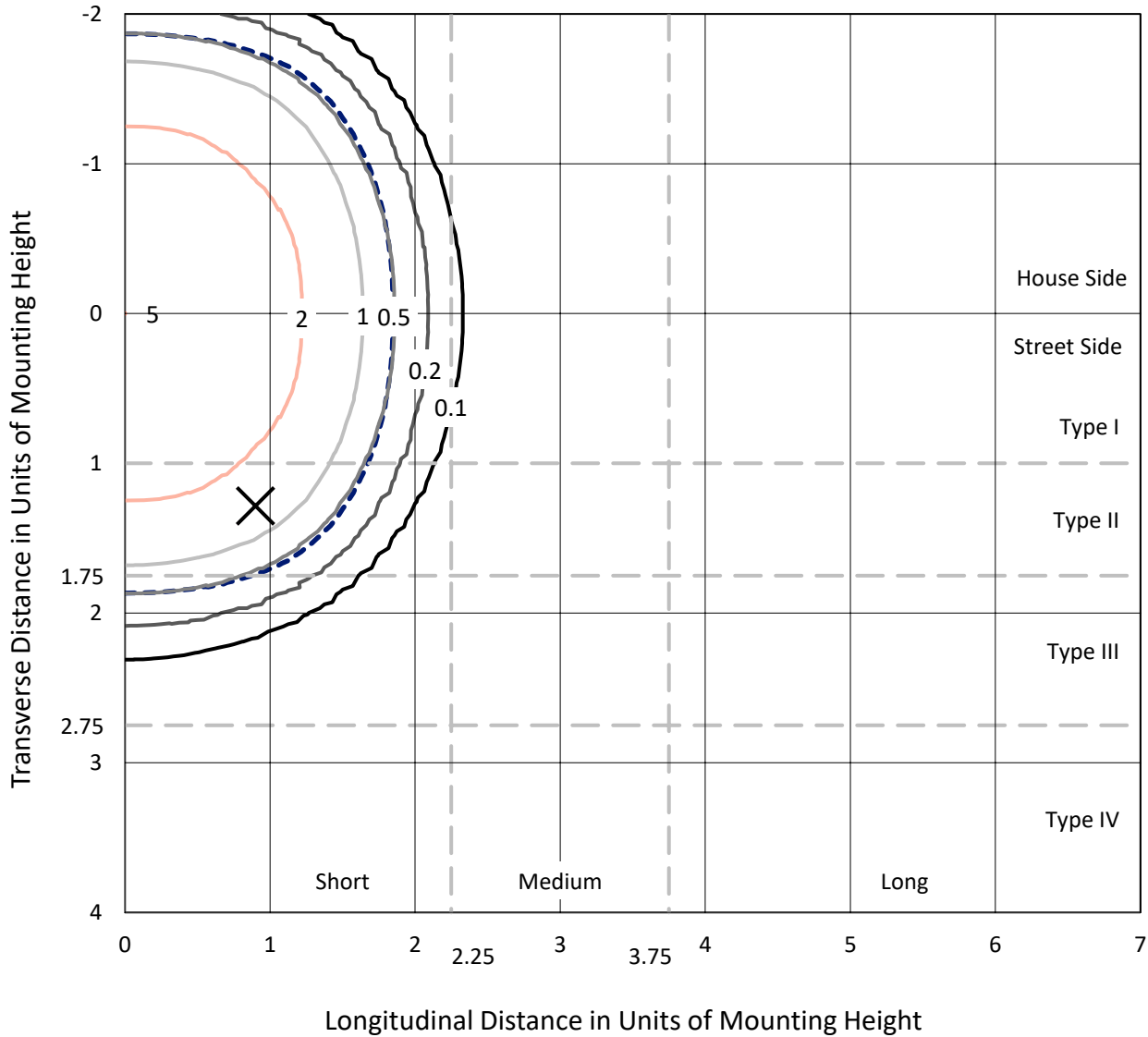
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

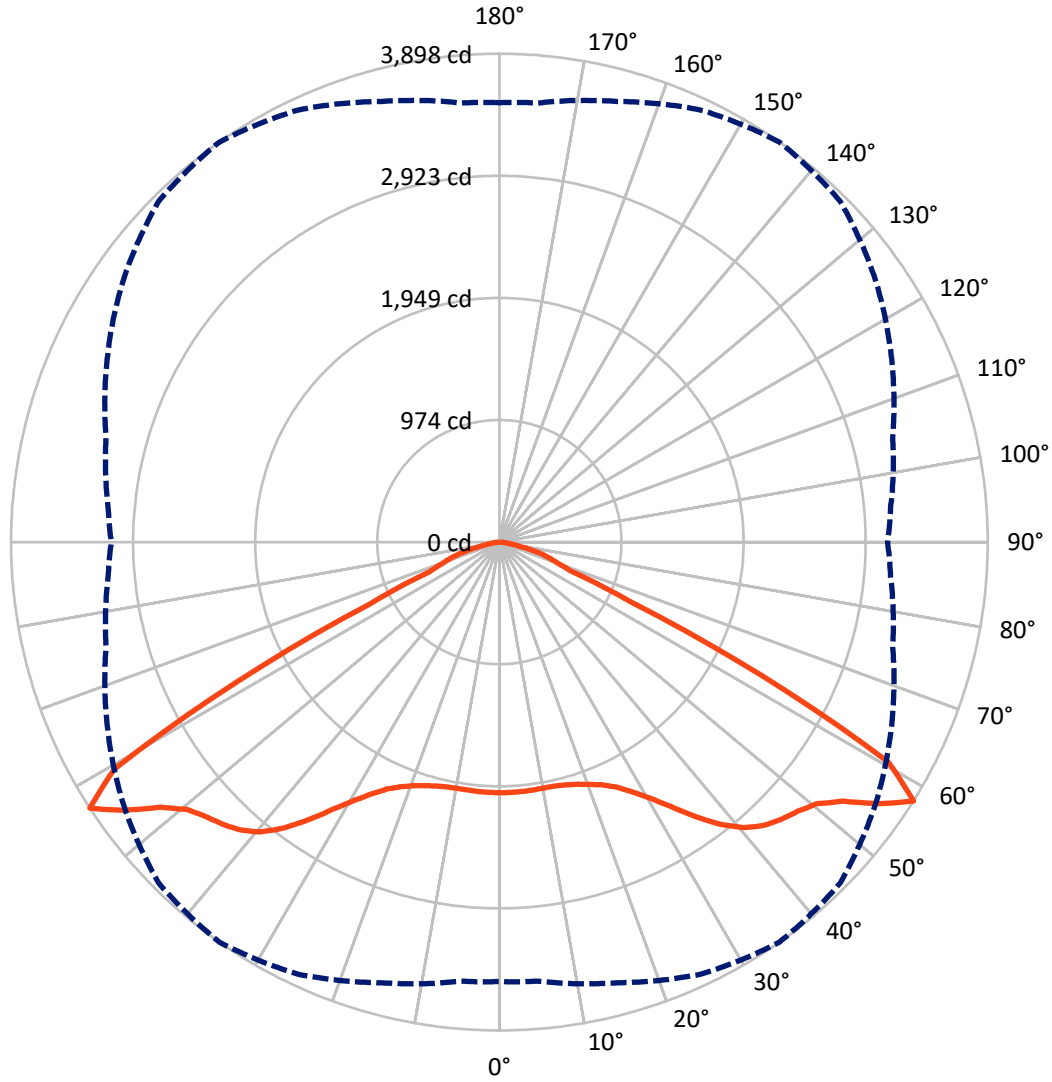
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 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	5228.8	0.0	5228.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5228.8	0.0	5228.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	10457.7	0.0	10457.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.4	1.8
10°-20°	567.9	5.4
20°-30°	990.9	9.5
30°-40°	1624.9	15.5
40°-50°	2393.1	22.9
50°-60°	3054.0	29.2
60°-70°	1287.1	12.3
70°-80°	307.5	2.9
80°-90°	41.8	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°	10457.7	100.0
0°-180°	10457.7	100.0

Coefficient of Utilization



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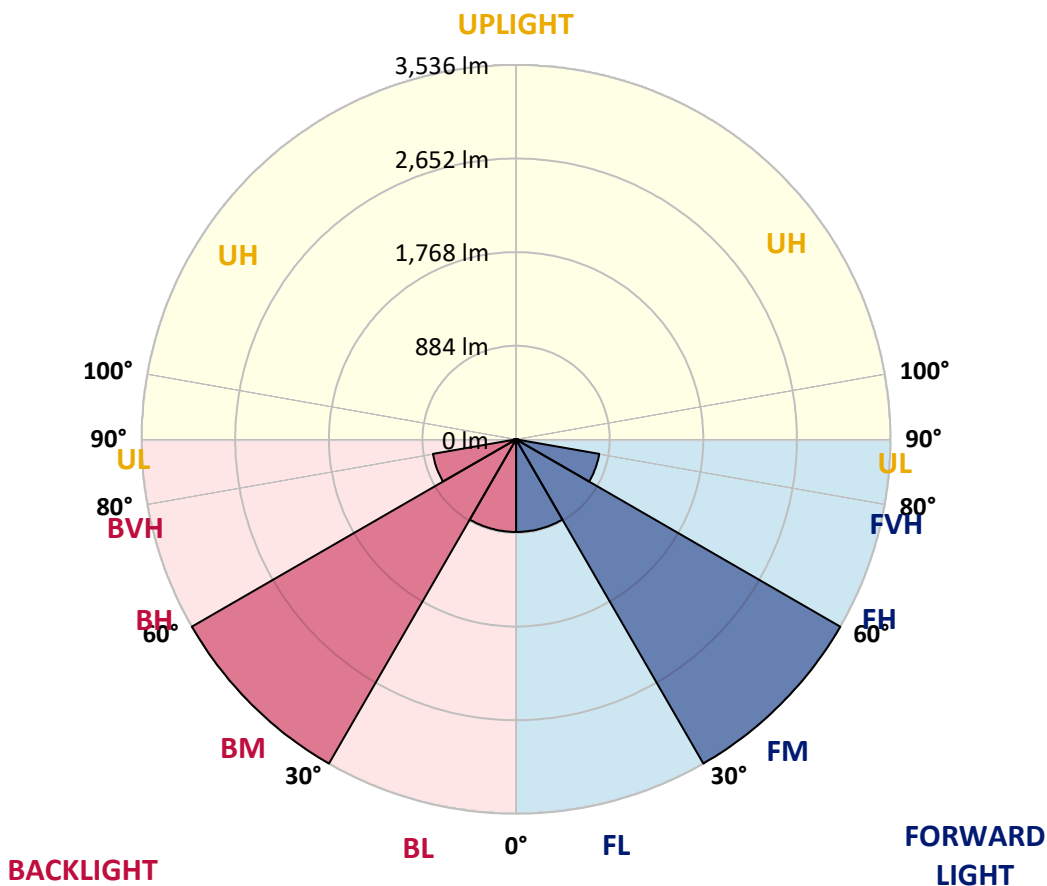
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	874.6	8.4			
FM (30°-60°)	3536.0	33.8			
FH (60°-80°)	797.3	7.6			G1/1800
FVH (80°-90°)	20.9	0.2			G1/100
BL (0°-30°)	874.6	8.4	B2/1000		
BM (30°-60°)	3536.0	33.8	B3/5000		
BH (60°-80°)	797.3	7.6	B2/1000		G1/1800
BVH (80°-90°)	20.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		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°	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0	2001.0
2.5°	1989.0	1989.0	1993.3	1997.5	1999.2	2007.0	2006.1	2003.5	2001.8	1996.7	2003.5
5°	1993.3	1993.3	1996.7	1999.2	1998.4	2004.4	2001.8	1997.5	1995.0	1989.8	1997.5
7.5°	1992.4	1992.4	1995.0	1997.5	1995.8	2001.0	1996.7	1990.7	1986.4	1981.3	1988.1
10°	1981.3	1983.0	1985.5	1991.5	1994.1	2001.8	1995.8	1986.4	1979.6	1973.6	1980.4
12.5°	1979.6	1981.3	1984.7	1992.4	1996.7	2007.8	2000.1	1984.7	1974.4	1966.7	1973.6
15°	1987.3	1989.0	1994.1	2003.5	2010.4	2022.4	2011.2	1989.8	1975.3	1965.0	1971.0
17.5°	1996.7	1999.2	2007.0	2020.7	2031.8	2044.6	2030.9	2005.2	1984.7	1971.0	1976.1
20°	2007.0	2010.4	2022.4	2042.9	2063.5	2079.7	2062.6	2028.4	2003.5	1985.5	1990.7
22.5°	2024.9	2029.2	2044.6	2073.7	2104.6	2128.5	2107.1	2060.9	2028.4	2005.2	2009.5
25°	2061.8	2066.9	2086.6	2121.7	2165.4	2194.5	2164.5	2112.3	2066.9	2038.6	2042.9
27.5°	2126.8	2129.4	2155.1	2201.3	2255.3	2288.6	2252.7	2191.0	2140.5	2108.0	2111.4
30°	2212.4	2220.2	2245.8	2306.6	2370.8	2415.4	2368.3	2295.5	2237.3	2197.9	2201.3
32.5°	2316.9	2322.0	2360.6	2423.9	2516.4	2567.8	2503.6	2417.1	2346.9	2298.9	2302.3
35°	2453.9	2458.2	2495.0	2575.5	2687.6	2735.6	2662.0	2562.6	2481.3	2435.9	2448.8
37.5°	2617.4	2625.1	2651.7	2731.3	2856.3	2903.4	2818.6	2726.2	2641.4	2599.5	2608.9
40°	2793.0	2792.1	2813.5	2883.7	2997.6	3026.7	2950.5	2876.9	2804.1	2776.7	2792.1
42.5°	2943.6	2939.4	2954.8	3013.0	3091.8	3094.3	3043.8	3002.7	2951.4	2932.5	2947.1
45°	3049.0	3050.7	3073.8	3114.0	3154.3	3132.9	3117.5	3110.6	3070.4	3044.7	3047.2
47.5°	3132.0	3138.9	3175.7	3203.1	3208.2	3172.3	3193.7	3203.9	3170.5	3131.2	3120.0
50°	3205.6	3216.8	3264.7	3293.8	3282.7	3237.3	3279.3	3294.7	3221.1	3145.7	3123.5
52.5°	3339.2	3352.1	3410.3	3448.0	3435.1	3389.7	3429.1	3374.3	3250.2	3157.7	3129.4
55°	3552.4	3558.4	3629.5	3691.1	3685.1	3629.5	3597.8	3476.2	3325.5	3229.6	3203.1
57.5°	3507.0	3517.3	3640.6	3805.0	3897.5	3846.9	3661.2	3453.9	3249.3	3133.7	3097.8
60°	2759.6	2784.4	2937.7	3227.1	3566.1	3565.3	3220.2	2898.3	2651.7	2498.4	2483.0
62.5°	1611.4	1628.5	1768.1	2060.9	2364.9	2383.7	2141.4	1920.5	1704.7	1601.1	1551.5
65°	762.9	762.0	817.7	949.5	1155.0	1171.3	1098.5	977.8	850.2	815.1	805.7
67.5°	563.4	563.4	559.1	568.5	607.9	616.5	607.9	588.2	576.2	583.9	578.8
70°	488.9	489.8	484.6	482.0	482.0	479.5	482.9	490.6	495.7	506.0	500.9
72.5°	396.4	397.3	397.3	398.1	399.0	395.6	400.7	405.0	405.8	409.3	405.8
75°	281.7	283.4	288.5	292.8	296.2	296.2	298.0	298.8	295.4	299.7	292.8
77.5°	155.0	156.7	166.1	173.8	181.5	182.4	184.9	186.7	184.9	188.4	183.2
80°	85.6	87.3	91.6	95.0	101.0	106.2	109.6	111.3	111.3	113.9	111.3
82.5°	48.8	50.5	53.1	54.8	59.9	64.2	67.6	70.2	70.2	71.1	69.4
85°	23.1	23.1	24.8	26.5	29.1	30.8	35.1	37.7	37.7	39.4	37.7
87.5°	3.4	4.3	5.1	5.1	6.8	8.6	10.3	11.1	12.8	13.7	13.7
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)