

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: P632789

Luminaire Tested: GWS-SA2D-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632789
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10223.4 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

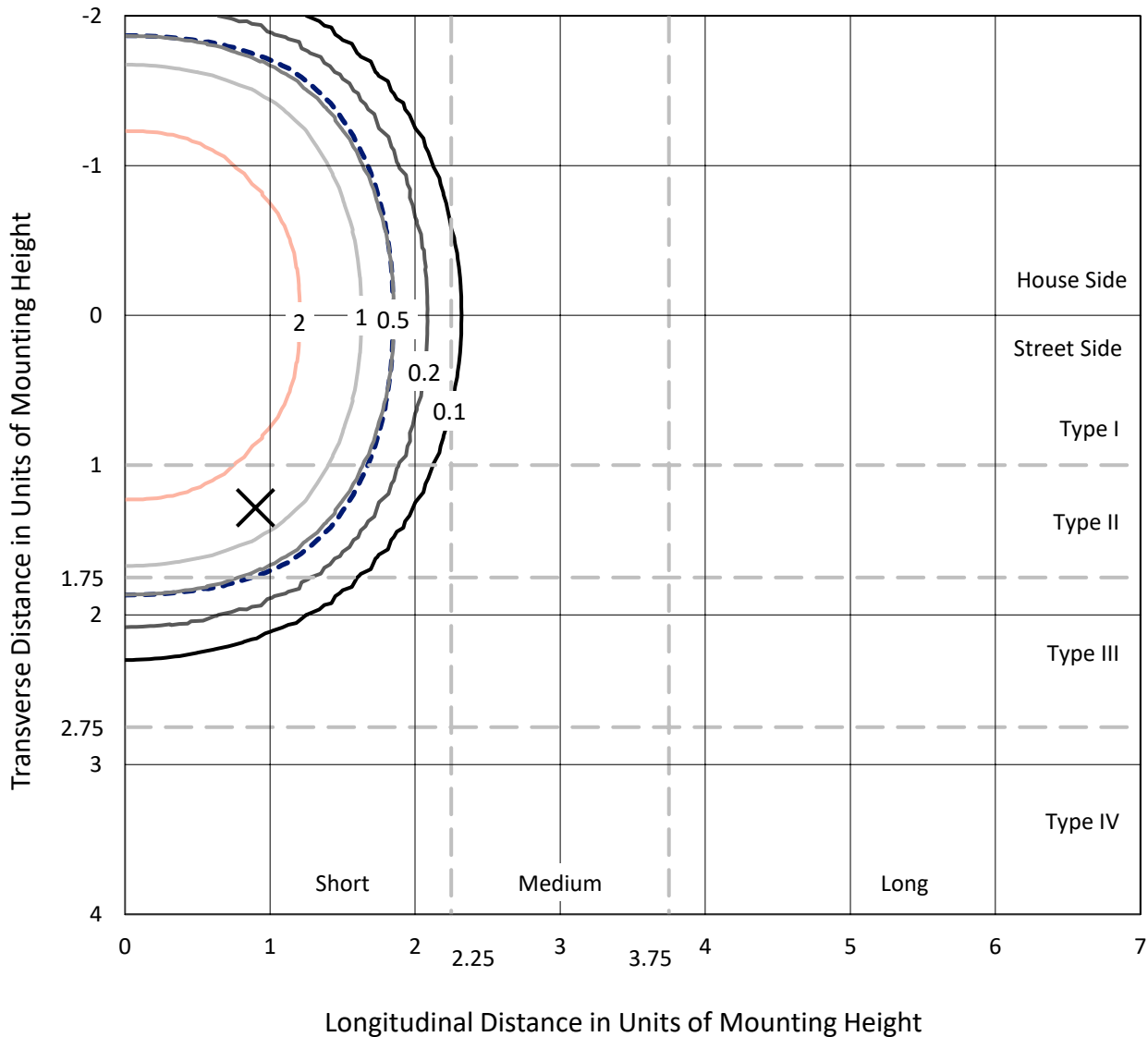
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

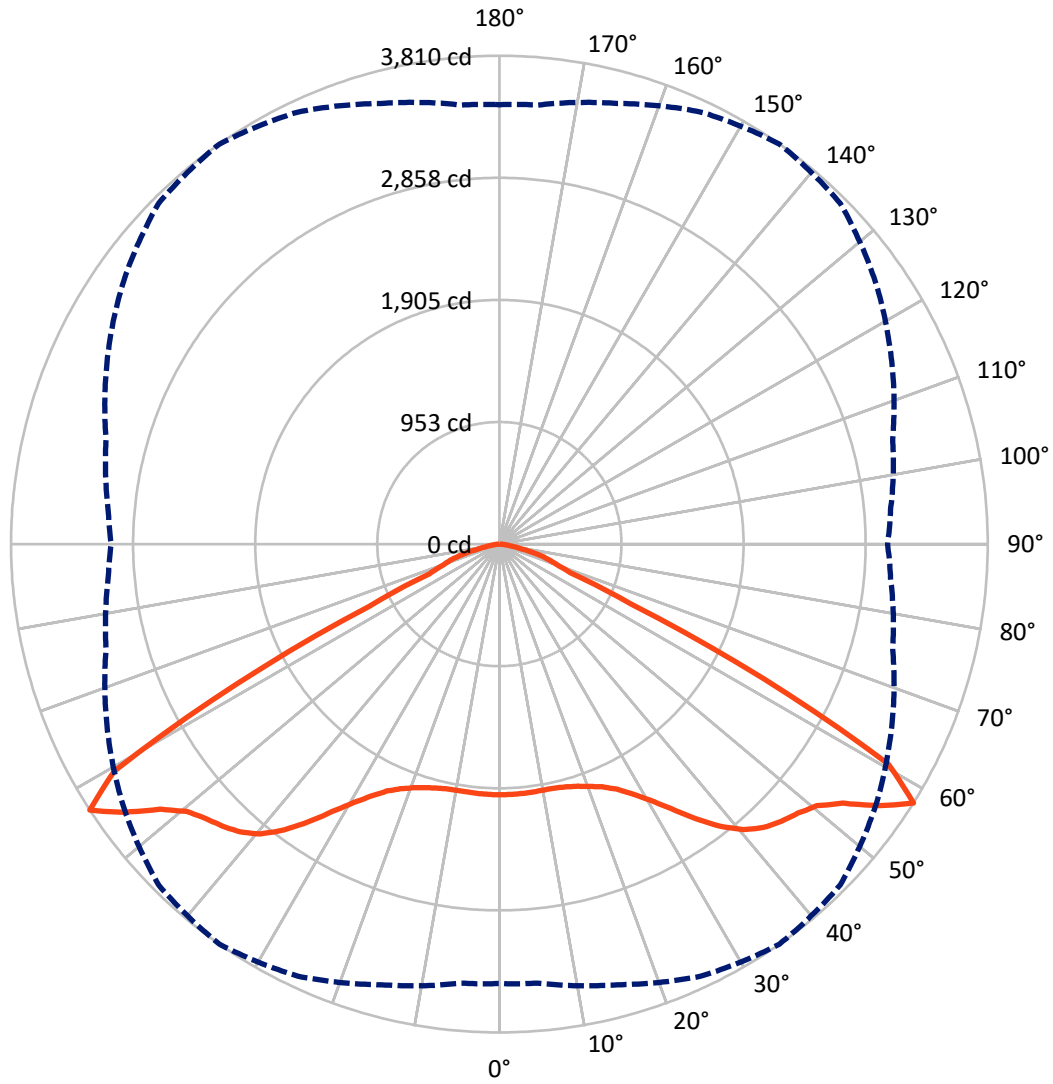
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 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	5111.7	0.0	5111.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5111.7	0.0	5111.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	10223.4	0.0	10223.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.1	1.8
10°-20°	555.2	5.4
20°-30°	968.7	9.5
30°-40°	1588.5	15.5
40°-50°	2339.5	22.9
50°-60°	2985.6	29.2
60°-70°	1258.3	12.3
70°-80°	300.6	2.9
80°-90°	40.9	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°	10223.4	100.0
0°-180°	10223.4	100.0

Coefficient of Utilization



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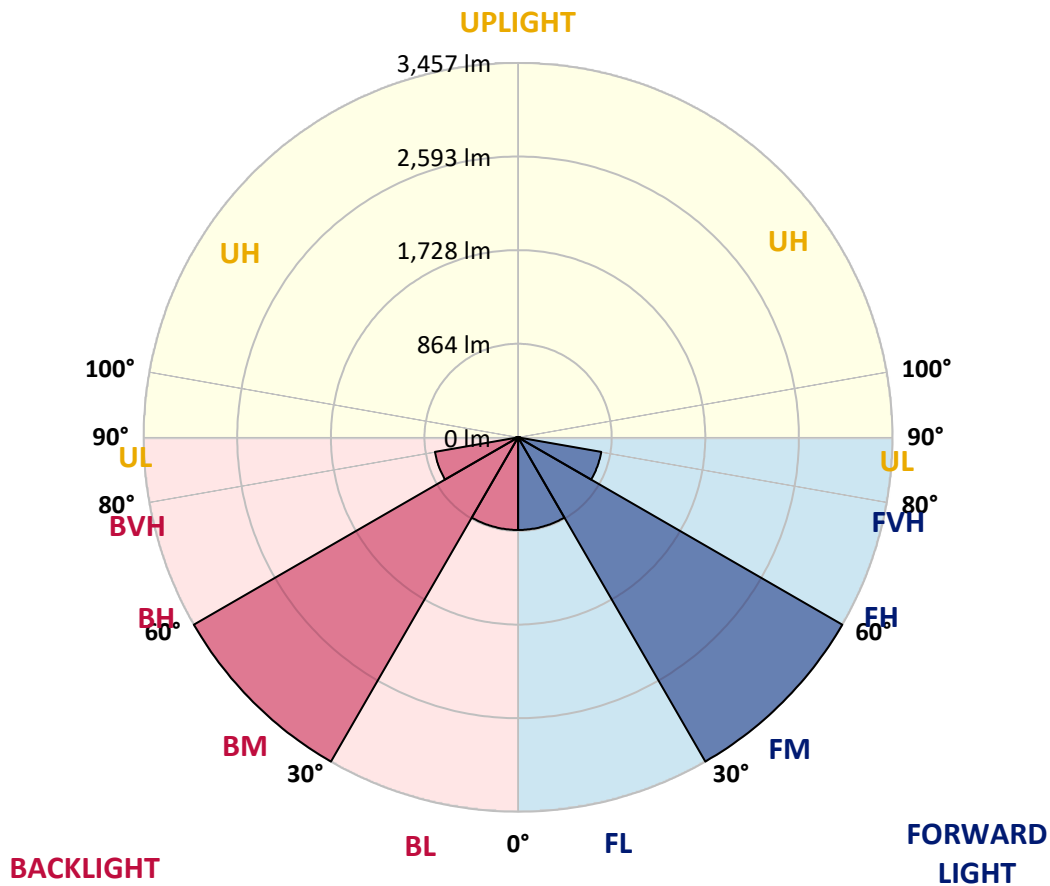
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	855.0	8.4			
FM (30°-60°)	3456.8	33.8			
FH (60°-80°)	779.4	7.6			G1/1800
FVH (80°-90°)	20.5	0.2			G1/100
BL (0°-30°)	855.0	8.4	B2/1000		
BM (30°-60°)	3456.8	33.8	B3/5000		
BH (60°-80°)	779.4	7.6	B2/1000		G1/1800
BVH (80°-90°)	20.5	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°	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1	1956.1
2.5°	1944.4	1944.4	1948.6	1952.8	1954.5	1962.0	1961.2	1958.6	1957.0	1951.9	1958.6
5°	1948.6	1948.6	1951.9	1954.5	1953.6	1959.5	1957.0	1952.8	1950.3	1945.2	1952.8
7.5°	1947.8	1947.8	1950.3	1952.8	1951.1	1956.1	1951.9	1946.1	1941.9	1936.9	1943.6
10°	1936.9	1938.6	1941.1	1946.9	1949.4	1957.0	1951.1	1941.9	1935.2	1929.3	1936.0
12.5°	1935.2	1936.9	1940.2	1947.8	1951.9	1962.8	1955.3	1940.2	1930.2	1922.6	1929.3
15°	1942.7	1944.4	1949.4	1958.6	1965.3	1977.1	1966.2	1945.2	1931.0	1921.0	1926.8
17.5°	1951.9	1954.5	1962.0	1975.4	1986.3	1998.8	1985.4	1960.3	1940.2	1926.8	1931.9
20°	1962.0	1965.3	1977.1	1997.1	2017.2	2033.1	2016.4	1982.9	1958.6	1941.1	1946.1
22.5°	1979.6	1983.8	1998.8	2027.3	2057.4	2080.8	2059.9	2014.7	1982.9	1960.3	1964.5
25°	2015.6	2020.6	2039.8	2074.2	2116.8	2145.3	2116.0	2064.9	2020.6	1993.0	1997.1
27.5°	2079.2	2081.7	2106.8	2152.0	2204.7	2237.4	2202.2	2142.0	2092.6	2060.8	2064.1
30°	2162.9	2170.4	2195.5	2254.9	2317.7	2361.3	2315.2	2244.1	2187.1	2148.6	2152.0
32.5°	2265.0	2270.0	2307.7	2369.6	2460.0	2510.2	2447.5	2362.9	2294.3	2247.4	2250.8
35°	2398.9	2403.1	2439.1	2517.8	2627.4	2674.3	2602.3	2505.2	2425.7	2381.3	2393.9
37.5°	2558.8	2566.3	2592.3	2670.1	2792.3	2838.4	2755.5	2665.1	2582.2	2541.2	2550.4
40°	2730.4	2729.5	2750.5	2819.1	2930.4	2958.9	2884.4	2812.4	2741.3	2714.5	2729.5
42.5°	2877.7	2873.5	2888.6	2945.5	3022.5	3025.0	2975.6	2935.5	2885.2	2866.8	2881.0
45°	2980.7	2982.3	3004.9	3044.3	3083.6	3062.7	3047.6	3040.9	3001.6	2976.5	2979.0
47.5°	3061.8	3068.5	3104.5	3131.3	3136.3	3101.2	3122.1	3132.2	3099.5	3061.0	3050.1
50°	3133.8	3144.7	3191.6	3220.0	3209.2	3164.8	3205.8	3220.9	3148.9	3075.2	3053.5
52.5°	3264.4	3277.0	3333.9	3370.7	3358.1	3313.8	3352.3	3298.7	3177.4	3087.0	3059.3
55°	3472.8	3478.7	3548.2	3608.4	3602.6	3548.2	3517.2	3398.3	3251.0	3157.3	3131.3
57.5°	3428.5	3438.5	3559.0	3719.7	3810.1	3760.8	3579.1	3376.6	3176.5	3063.5	3028.4
60°	2697.7	2722.0	2871.8	3154.8	3486.2	3485.4	3148.1	2833.3	2592.3	2442.4	2427.4
62.5°	1575.3	1592.0	1728.5	2014.7	2311.9	2330.3	2093.4	1877.5	1666.5	1565.2	1516.7
65°	745.8	745.0	799.4	928.3	1129.1	1145.1	1073.9	955.9	831.2	796.8	787.6
67.5°	550.8	550.8	546.6	555.8	594.3	602.7	594.3	575.0	563.3	570.9	565.8
70°	477.9	478.8	473.8	471.2	471.2	468.7	472.1	479.6	484.6	494.7	489.7
72.5°	387.5	388.4	388.4	389.2	390.1	386.7	391.7	395.9	396.8	400.1	396.8
75°	275.4	277.1	282.1	286.3	289.6	289.6	291.3	292.1	288.8	293.0	286.3
77.5°	151.5	153.2	162.4	169.9	177.4	178.3	180.8	182.5	180.8	184.1	179.1
80°	83.7	85.4	89.6	92.9	98.8	103.8	107.1	108.8	108.8	111.3	108.8
82.5°	47.7	49.4	51.9	53.6	58.6	62.8	66.1	68.6	68.6	69.5	67.8
85°	22.6	22.6	24.3	25.9	28.5	30.1	34.3	36.8	36.8	38.5	36.8
87.5°	3.3	4.2	5.0	5.0	6.7	8.4	10.0	10.9	12.6	13.4	13.4
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)