

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: P639004

Luminaire Tested: GWS-SA5B-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639004
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-SA5B-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11451.7 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 115.7
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

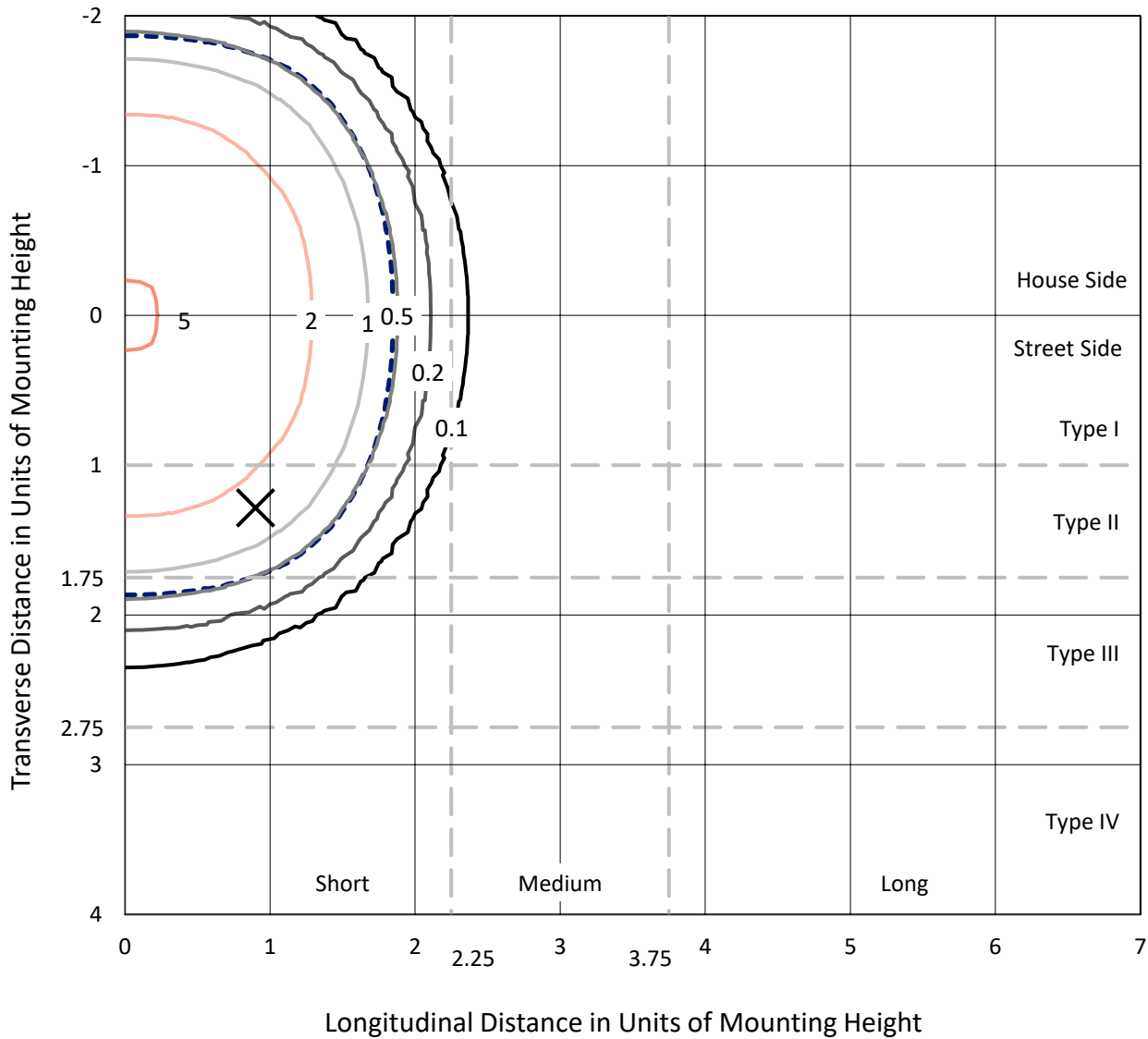


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Iso-Footcandle Lines of Horizontal Illumination

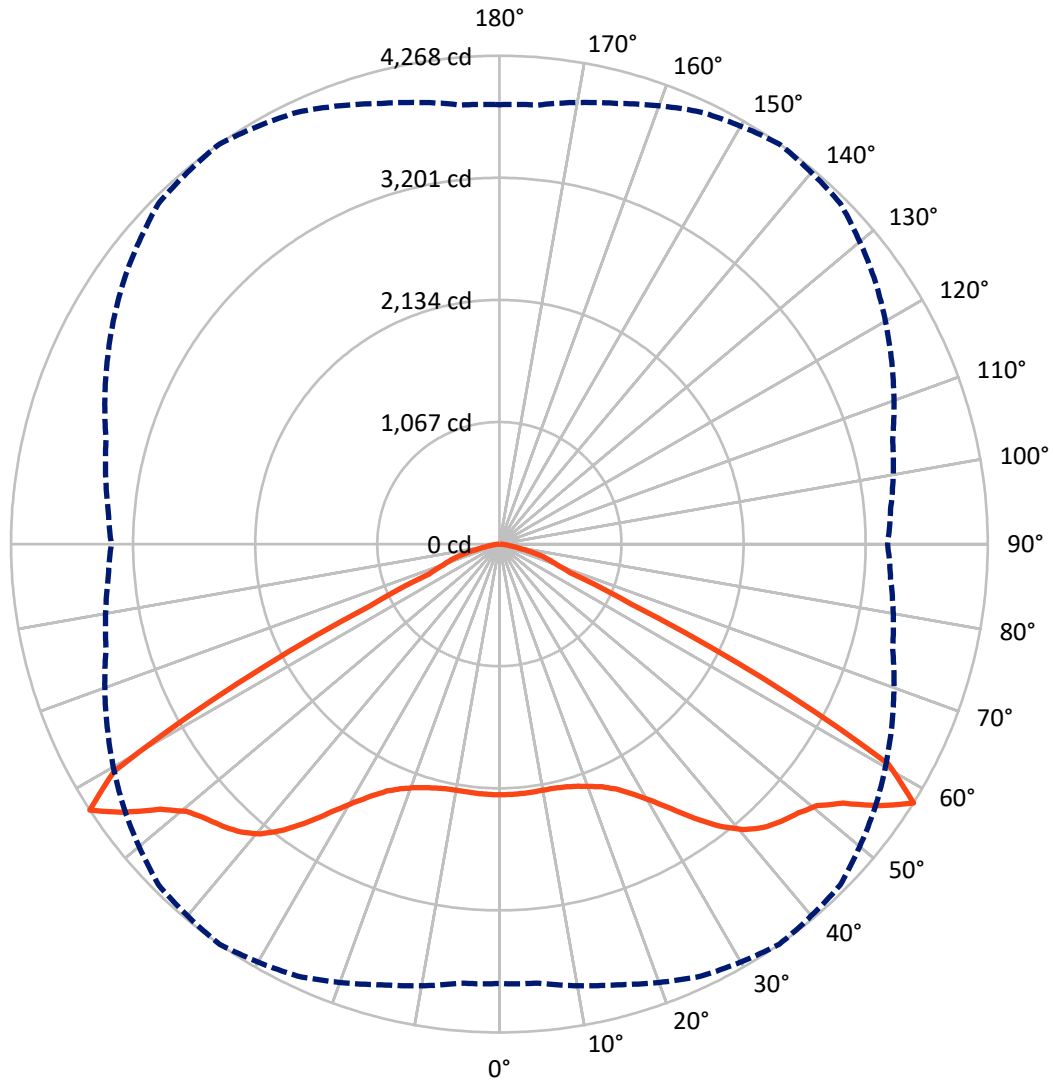
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 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	5725.8	0.0	5725.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5725.8	0.0	5725.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11451.7	0.0	11451.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.5	1.8
10°-20°	621.9	5.4
20°-30°	1085.1	9.5
30°-40°	1779.4	15.5
40°-50°	2620.6	22.9
50°-60°	3344.3	29.2
60°-70°	1409.4	12.3
70°-80°	336.7	2.9
80°-90°	45.8	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°	11451.7	100.0
0°-180°	11451.7	100.0

Coefficient of Utilization



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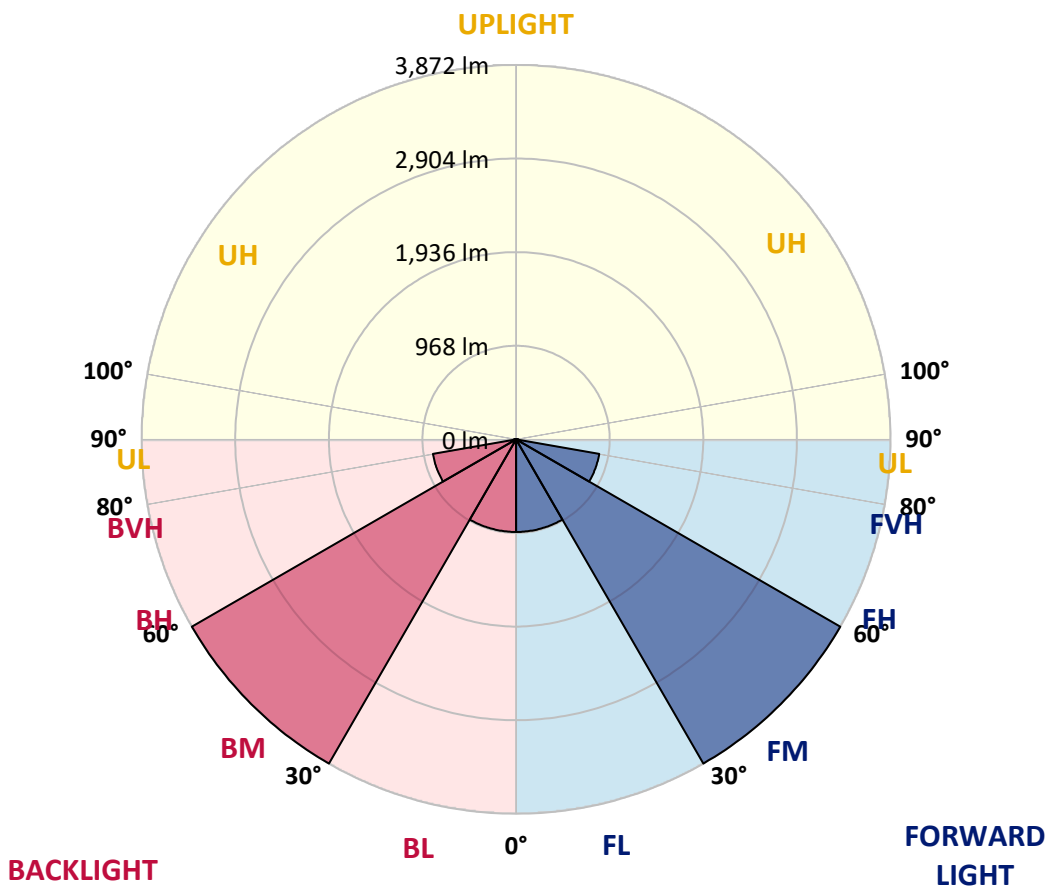
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	957.7	8.4			
FM (30°-60°)	3872.1	33.8			
FH (60°-80°)	873.1	7.6			G1/1800
FVH (80°-90°)	22.9	0.2			G1/100
BL (0°-30°)	957.7	8.4	B2/1000		
BM (30°-60°)	3872.1	33.8	B3/5000		
BH (60°-80°)	873.1	7.6	B2/1000		G1/1800
BVH (80°-90°)	22.9	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°	2191.2	2191.2	2191.2	2191.2	2191.2	2191.2	2191.2	2191.2	2191.2	2191.2	2191.2
2.5°	2178.0	2178.0	2182.7	2187.4	2189.3	2197.7	2196.8	2194.0	2192.1	2186.5	2194.0
5°	2182.7	2182.7	2186.5	2189.3	2188.3	2194.9	2192.1	2187.4	2184.6	2179.0	2187.4
7.5°	2181.8	2181.8	2184.6	2187.4	2185.5	2191.2	2186.5	2179.9	2175.2	2169.6	2177.1
10°	2169.6	2171.5	2174.3	2180.8	2183.7	2192.1	2185.5	2175.2	2167.7	2161.1	2168.6
12.5°	2167.7	2169.6	2173.3	2181.8	2186.5	2198.7	2190.2	2173.3	2162.1	2153.6	2161.1
15°	2176.2	2178.0	2183.7	2194.0	2201.5	2214.6	2202.4	2179.0	2163.0	2151.8	2158.3
17.5°	2186.5	2189.3	2197.7	2212.7	2224.9	2239.0	2224.0	2195.8	2173.3	2158.3	2164.0
20°	2197.7	2201.5	2214.6	2237.1	2259.6	2277.4	2258.7	2221.2	2194.0	2174.3	2179.9
22.5°	2217.4	2222.1	2239.0	2270.8	2304.6	2330.9	2307.4	2256.8	2221.2	2195.8	2200.5
25°	2257.7	2263.3	2284.9	2323.4	2371.2	2403.0	2370.2	2313.0	2263.3	2232.4	2237.1
27.5°	2329.0	2331.8	2359.9	2410.5	2469.6	2506.2	2466.8	2399.3	2344.0	2308.4	2312.1
30°	2422.7	2431.2	2459.3	2525.9	2596.2	2644.9	2593.4	2513.7	2449.9	2406.8	2410.5
32.5°	2537.1	2542.7	2584.9	2654.3	2755.6	2811.8	2741.5	2646.8	2569.9	2517.4	2521.2
35°	2687.1	2691.8	2732.1	2820.3	2943.1	2995.6	2915.0	2806.2	2717.1	2667.4	2681.5
37.5°	2866.2	2874.7	2903.7	2990.9	3127.8	3179.4	3086.6	2985.3	2892.5	2846.5	2856.8
40°	3058.4	3057.5	3080.9	3157.8	3282.5	3314.4	3230.9	3150.3	3070.6	3040.6	3057.5
42.5°	3223.4	3218.8	3235.6	3299.4	3385.6	3388.5	3333.1	3288.1	3231.9	3211.3	3227.2
45°	3338.8	3340.6	3366.0	3410.0	3454.1	3430.6	3413.8	3406.3	3362.2	3334.1	3336.9
47.5°	3429.7	3437.2	3477.5	3507.5	3513.2	3473.8	3497.2	3508.5	3471.9	3428.8	3416.6
50°	3510.3	3522.5	3575.0	3606.9	3594.7	3545.0	3591.0	3607.9	3527.2	3444.7	3420.3
52.5°	3656.6	3670.7	3734.4	3775.7	3761.6	3711.9	3755.1	3695.0	3559.1	3457.8	3426.9
55°	3890.1	3896.6	3974.5	4042.0	4035.4	3974.5	3939.8	3806.6	3641.6	3536.6	3507.5
57.5°	3840.4	3851.6	3986.6	4166.7	4267.9	4212.6	4009.1	3782.2	3558.2	3431.6	3392.2
60°	3021.9	3049.0	3216.9	3533.8	3905.1	3904.1	3526.3	3173.7	2903.7	2735.9	2719.0
62.5°	1764.5	1783.3	1936.1	2256.8	2589.6	2610.3	2344.9	2103.0	1866.7	1753.3	1698.9
65°	835.4	834.5	895.4	1039.8	1264.8	1282.6	1202.9	1070.7	931.0	892.6	882.3
67.5°	616.9	616.9	612.2	622.6	665.7	675.1	665.7	644.1	631.0	639.4	633.8
70°	535.4	536.3	530.7	527.9	527.9	525.1	528.8	537.2	542.9	554.1	548.5
72.5°	434.1	435.0	435.0	436.0	436.9	433.2	438.8	443.5	444.4	448.2	444.4
75°	308.5	310.3	316.0	320.7	324.4	324.4	326.3	327.2	323.5	328.2	320.7
77.5°	169.7	171.6	181.9	190.3	198.8	199.7	202.5	204.4	202.5	206.3	200.6
80°	93.8	95.6	100.3	104.1	110.6	116.3	120.0	121.9	121.9	124.7	121.9
82.5°	53.4	55.3	58.1	60.0	65.6	70.3	74.1	76.9	76.9	77.8	75.9
85°	25.3	25.3	27.2	29.1	31.9	33.8	38.4	41.3	41.3	43.1	41.3
87.5°	3.8	4.7	5.6	5.6	7.5	9.4	11.3	12.2	14.1	15.0	15.0
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)