

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: P639007

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 11856.7 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

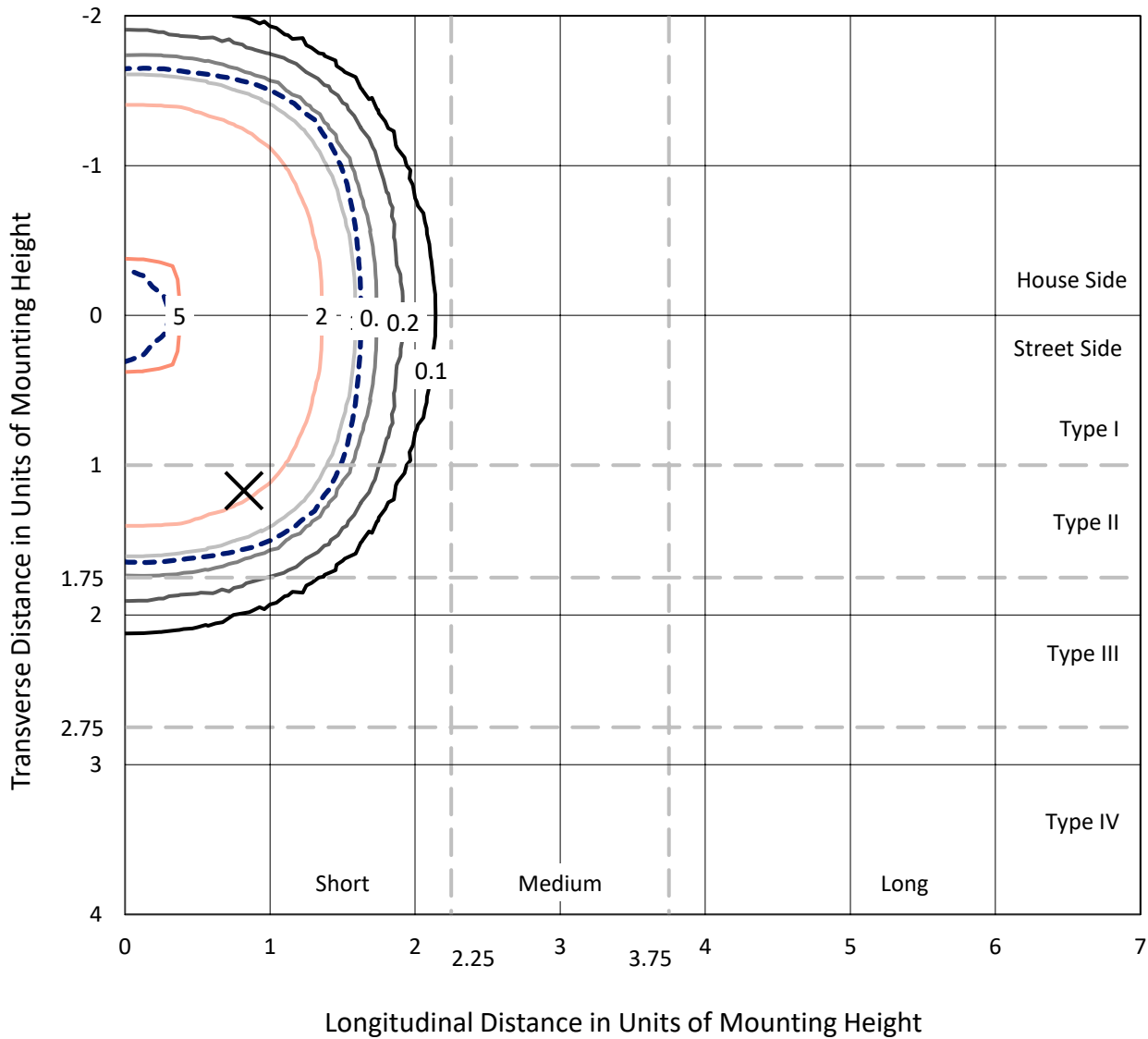
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

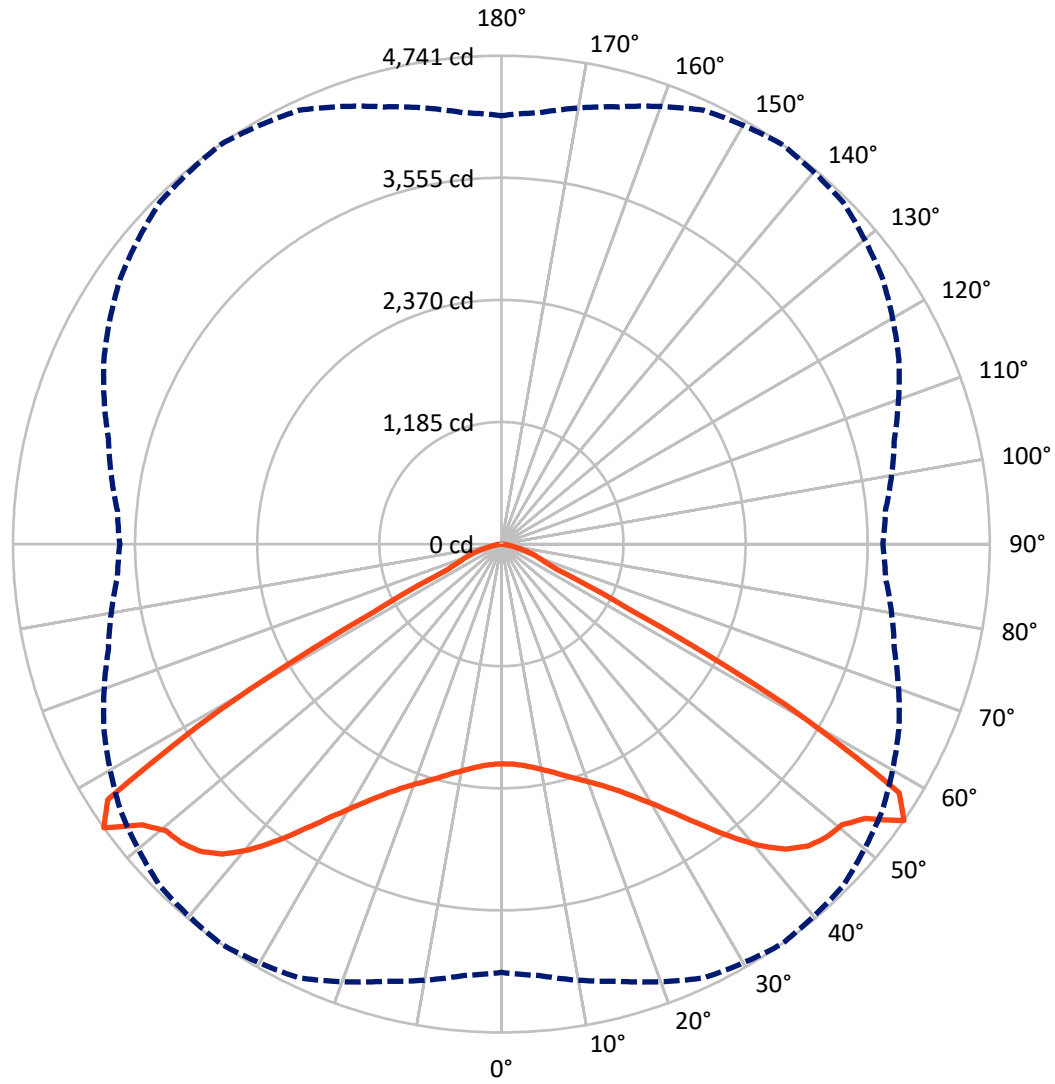
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5928.3	0.0	5928.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5928.3	0.0	5928.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	11856.7	0.0	11856.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.1	1.8
10°-20°	662.4	5.6
20°-30°	1226.0	10.3
30°-40°	2050.8	17.3
40°-50°	3125.0	26.4
50°-60°	3500.7	29.5
60°-70°	828.3	7.0
70°-80°	223.3	1.9
80°-90°	32.1	0.3
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°	11856.7	100.0
0°-180°	11856.7	100.0

Coefficient of Utilization



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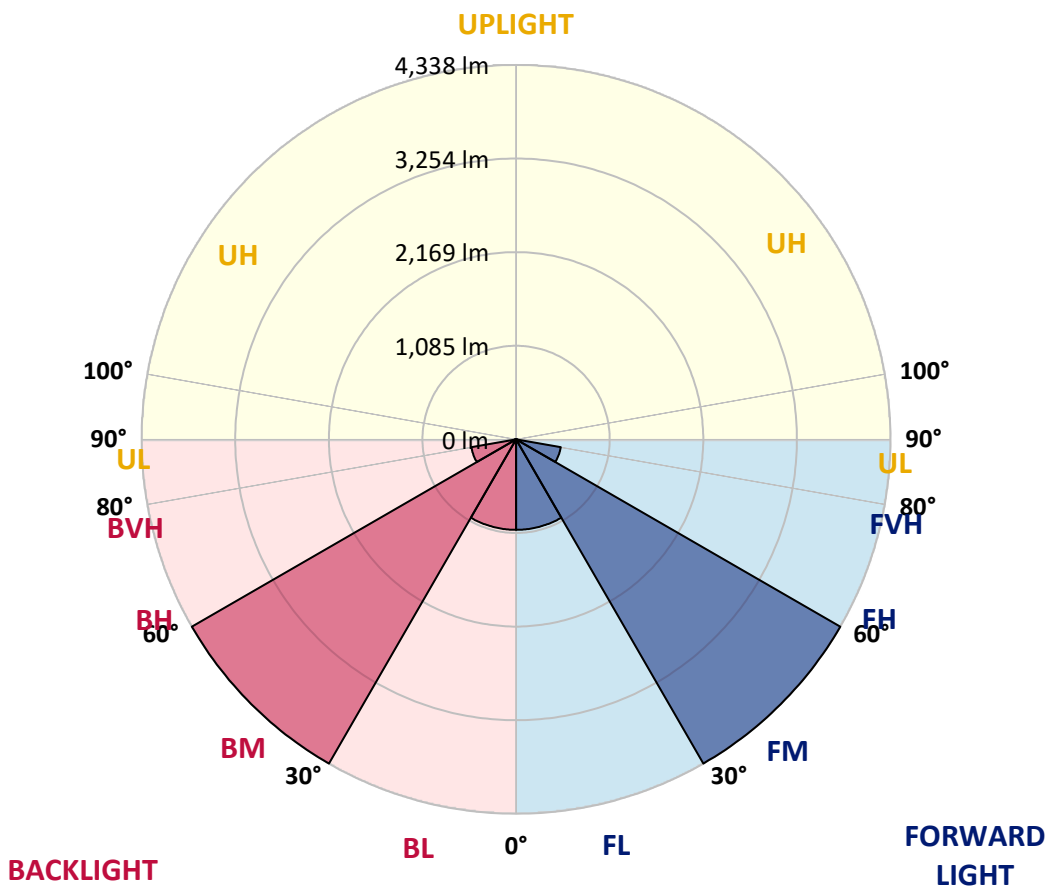
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1048.2	8.8			
FM (30°-60°)	4338.3	36.6			
FH (60°-80°)	525.8	4.4			G0/660
FVH (80°-90°)	16.1	0.1			G1/100
BL (0°-30°)	1048.2	8.8	B3/2500		
BM (30°-60°)	4338.3	36.6	B3/5000		
BH (60°-80°)	525.8	4.4	B2/1000		G0/660
BVH (80°-90°)	16.1	0.1			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°	2133.1	2133.1	2133.1	2133.1	2133.1	2133.1	2133.1	2133.1	2133.1	2133.1	2133.1
2.5°	2128.4	2128.4	2132.1	2136.8	2137.7	2147.1	2145.2	2141.5	2139.6	2135.9	2144.3
5°	2151.8	2152.7	2155.6	2158.4	2156.5	2164.0	2161.2	2156.5	2153.7	2149.0	2157.4
7.5°	2182.7	2182.7	2185.6	2189.3	2187.4	2198.7	2193.1	2186.5	2181.8	2176.2	2183.7
10°	2210.9	2212.7	2215.6	2223.1	2226.8	2239.0	2235.3	2225.9	2218.4	2211.8	2220.2
12.5°	2253.1	2254.9	2257.8	2268.1	2274.6	2286.8	2281.2	2268.1	2256.8	2247.4	2256.8
15°	2307.4	2305.6	2313.1	2326.2	2334.6	2345.9	2339.3	2316.8	2301.8	2289.6	2299.0
17.5°	2362.8	2361.8	2369.3	2386.2	2398.4	2413.4	2402.1	2375.9	2360.0	2345.0	2354.3
20°	2422.8	2425.6	2433.1	2449.0	2466.8	2486.5	2477.2	2449.0	2431.2	2414.3	2421.8
22.5°	2496.8	2497.8	2506.2	2526.8	2550.3	2569.0	2563.4	2528.7	2506.2	2488.4	2497.8
25°	2585.9	2585.0	2596.2	2620.6	2653.4	2672.2	2660.0	2621.5	2597.2	2576.5	2584.0
27.5°	2688.1	2687.2	2704.1	2735.9	2782.8	2809.1	2783.8	2735.9	2702.2	2673.1	2679.7
30°	2816.6	2813.8	2832.5	2875.6	2936.6	2980.6	2943.1	2876.6	2832.5	2801.6	2808.1
32.5°	2959.1	2962.8	2986.3	3044.4	3121.3	3178.5	3122.2	3048.2	2989.1	2944.1	2951.6
35°	3115.7	3115.7	3163.5	3235.7	3345.4	3421.3	3334.1	3227.2	3148.5	3086.6	3088.5
37.5°	3290.1	3291.9	3354.8	3454.1	3597.6	3686.7	3568.5	3436.3	3340.7	3274.1	3270.4
40°	3502.9	3508.5	3573.2	3683.9	3845.1	3926.7	3800.1	3670.7	3573.2	3494.5	3487.0
42.5°	3742.9	3744.8	3813.2	3912.6	4048.6	4097.3	3997.9	3892.0	3812.3	3741.0	3733.5
45°	3971.7	3967.0	4026.1	4100.1	4178.9	4183.6	4128.3	4085.1	4015.8	3954.8	3943.6
47.5°	4149.8	4146.1	4199.5	4239.9	4249.2	4203.3	4221.1	4227.7	4147.0	4064.5	4043.0
50°	4258.6	4266.1	4316.7	4339.2	4283.9	4208.9	4276.4	4259.5	4144.2	4036.4	4001.7
52.5°	4324.2	4335.5	4423.6	4480.8	4423.6	4352.4	4361.7	4262.4	4096.4	3953.9	3908.9
55°	4158.3	4203.3	4393.6	4646.8	4740.5	4690.8	4512.7	4256.7	3949.2	3742.0	3703.5
57.5°	3081.9	3153.2	3435.4	3983.9	4553.9	4734.9	4214.5	3568.5	3102.5	2836.3	2813.8
60°	1573.3	1653.0	1879.0	2442.5	3175.7	3430.7	2935.6	2284.9	1816.1	1600.5	1576.1
62.5°	642.3	655.4	729.5	947.0	1403.6	1619.2	1422.3	998.5	750.1	691.0	692.0
65°	505.4	508.2	504.4	517.6	587.9	652.6	602.9	529.7	516.6	523.2	518.5
67.5°	440.7	441.6	438.8	438.8	441.6	438.8	444.4	447.2	449.1	456.6	451.9
70°	368.5	369.4	369.4	371.3	370.4	365.7	374.1	377.9	378.8	383.5	380.7
72.5°	285.0	287.8	289.7	290.7	289.7	286.9	291.6	298.2	297.2	301.9	297.2
75°	193.1	196.9	198.8	202.5	201.6	201.6	207.2	210.0	207.2	211.0	207.2
77.5°	109.7	112.5	118.1	121.9	125.6	128.5	132.2	134.1	133.1	135.0	133.1
80°	63.8	64.7	69.4	71.3	75.9	80.6	84.4	86.3	87.2	88.1	87.2
82.5°	36.6	37.5	39.4	41.3	45.0	48.8	52.5	55.3	55.3	56.3	55.3
85°	17.8	17.8	18.8	19.7	21.6	24.4	27.2	30.0	30.9	30.9	30.9
87.5°	2.8	2.8	3.8	3.8	4.7	5.6	7.5	9.4	10.3	10.3	10.3
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)