

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: P636700

Luminaire Tested: GWS-SA4B-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636700
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-SA4B-735-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12056.7 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

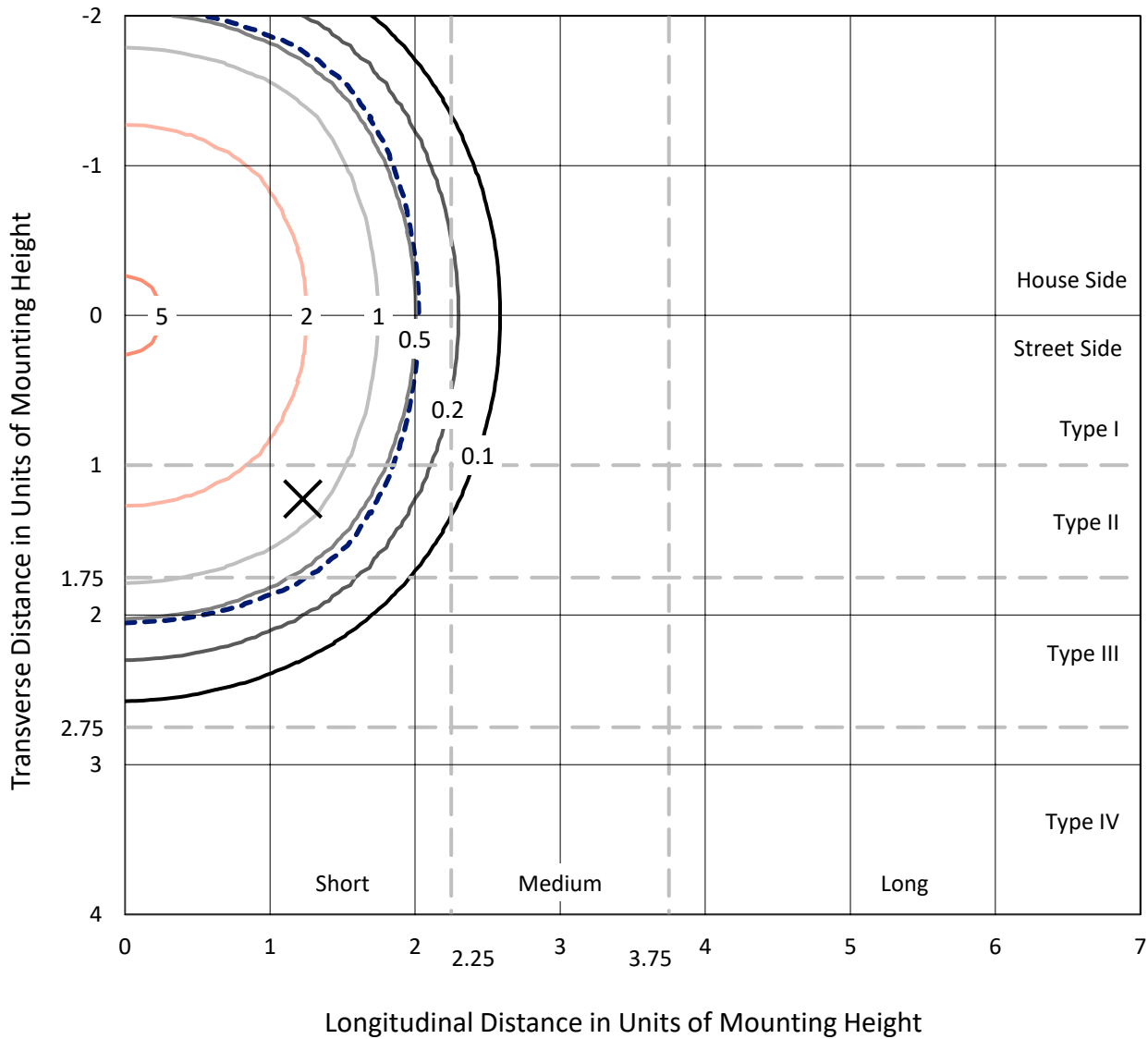
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

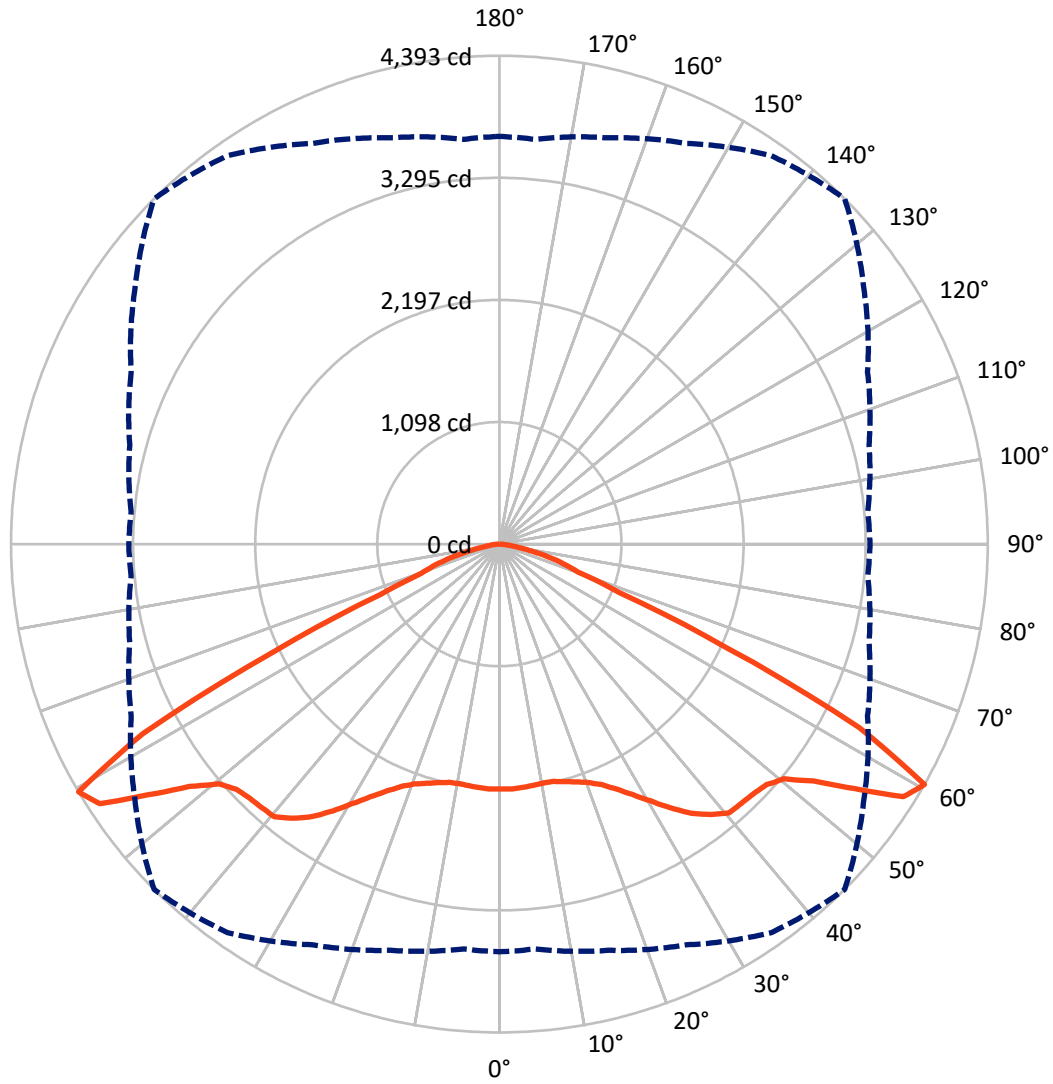
✕ Max cd
 - - - 1/2 Max cd



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 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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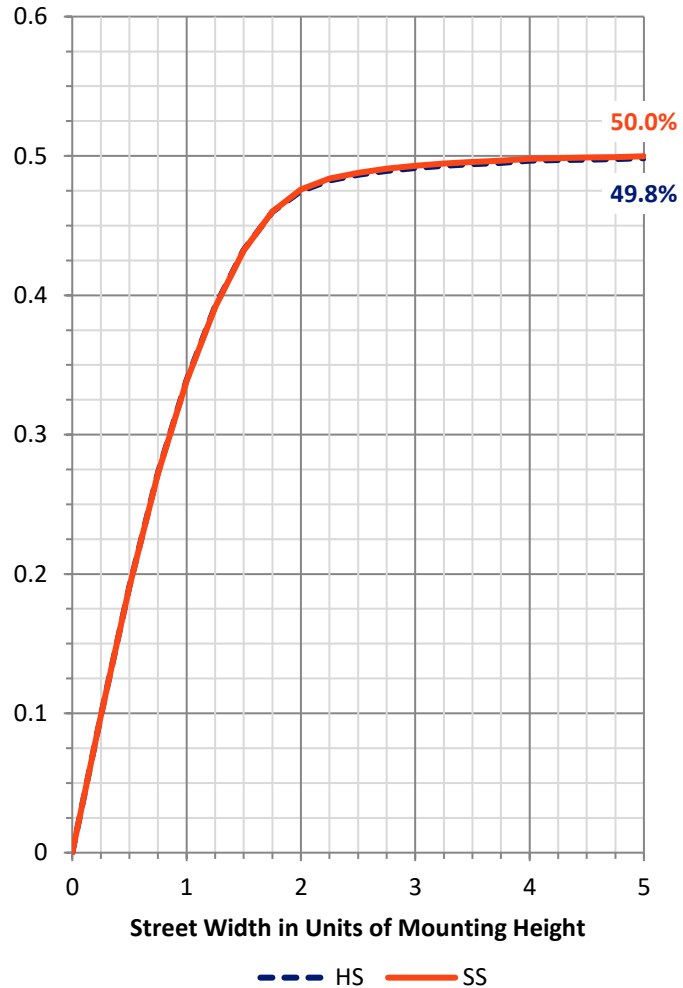
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6028.4	0.0	6028.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6028.4	0.0	6028.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	12056.7	0.0	12056.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.0	1.7
10°-20°	628.5	5.2
20°-30°	1111.9	9.2
30°-40°	1790.2	14.8
40°-50°	2460.6	20.4
50°-60°	3279.1	27.2
60°-70°	2043.7	17.0
70°-80°	469.9	3.9
80°-90°	63.8	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°	12056.7	100.0
0°-180°	12056.7	100.0

Coefficient of Utilization



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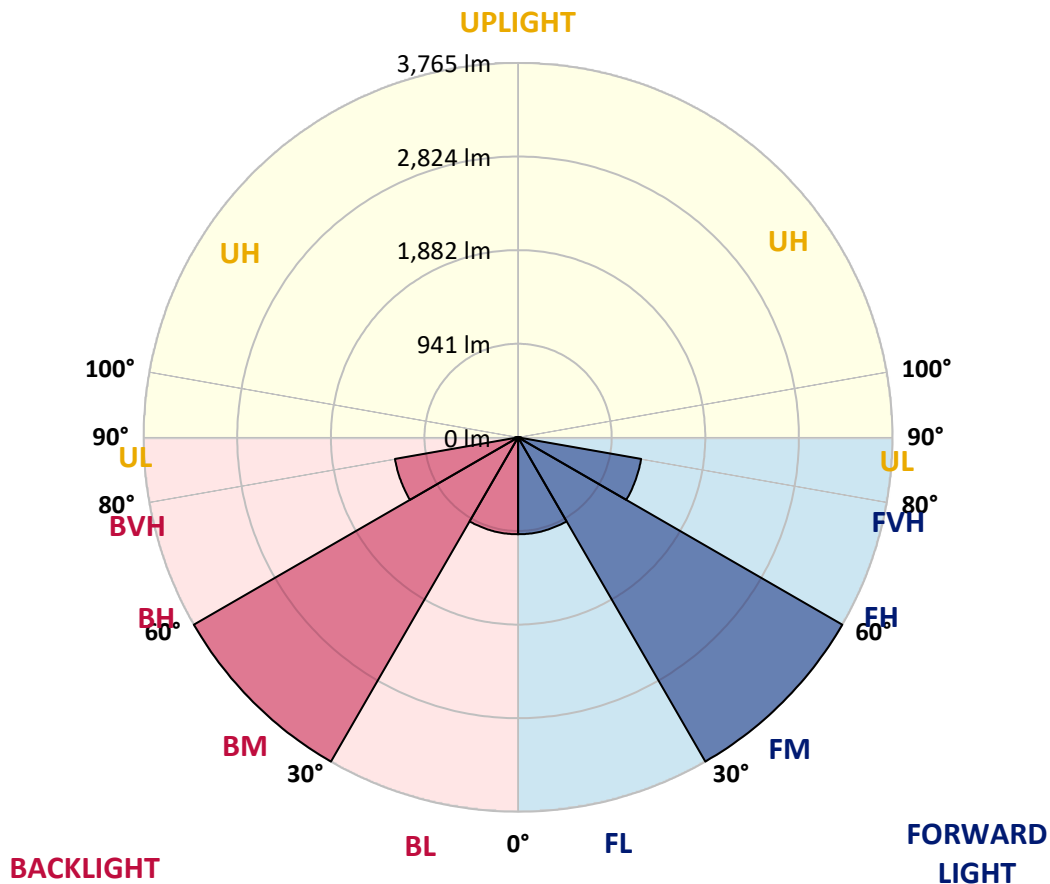
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	974.7	8.1			
FM (30°-60°)	3765.0	31.2			
FH (60°-80°)	1256.8	10.4			G1/1800
FVH (80°-90°)	31.9	0.3			G1/100
BL (0°-30°)	974.7	8.1	B2/1000		
BM (30°-60°)	3765.0	31.2	B3/5000		
BH (60°-80°)	1256.8	10.4	B3/2500		G1/1800
BVH (80°-90°)	31.9	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°	2203.3	2203.3	2203.3	2203.3	2203.3	2203.3	2203.3	2203.3	2203.3	2203.3	2203.3
2.5°	2188.0	2190.0	2194.1	2197.2	2201.3	2205.4	2207.4	2203.3	2201.3	2193.1	2202.3
5°	2190.0	2192.1	2195.2	2195.2	2196.2	2199.3	2199.3	2194.1	2189.0	2179.8	2190.0
7.5°	2187.0	2189.0	2190.0	2189.0	2190.0	2191.1	2189.0	2182.9	2177.8	2169.6	2177.8
10°	2181.9	2183.9	2185.9	2183.9	2181.9	2184.9	2184.9	2180.8	2177.8	2169.6	2178.8
12.5°	2193.1	2196.2	2197.2	2192.1	2190.0	2191.1	2191.1	2187.0	2187.0	2179.8	2190.0
15°	2219.7	2221.8	2218.7	2212.6	2213.6	2216.6	2209.5	2199.3	2197.2	2194.1	2202.3
17.5°	2240.2	2242.2	2239.2	2235.1	2242.2	2249.4	2236.1	2216.6	2210.5	2208.5	2217.7
20°	2262.7	2265.8	2261.7	2266.8	2281.1	2289.3	2272.9	2246.3	2234.0	2231.0	2242.2
22.5°	2299.5	2303.6	2303.6	2314.9	2336.4	2349.7	2329.2	2293.4	2275.0	2269.9	2281.1
25°	2357.9	2360.9	2364.0	2386.5	2421.3	2439.7	2407.0	2357.9	2332.3	2324.1	2330.2
27.5°	2438.7	2443.8	2449.0	2481.7	2524.7	2551.3	2504.2	2442.8	2411.1	2394.7	2407.0
30°	2534.9	2542.1	2554.4	2591.2	2651.6	2681.3	2620.9	2546.2	2510.4	2493.0	2509.3
32.5°	2665.9	2666.9	2676.1	2717.1	2796.9	2830.7	2754.9	2672.1	2635.2	2614.7	2624.0
35°	2821.5	2822.5	2808.2	2850.1	2936.1	2974.0	2884.9	2801.0	2770.3	2764.2	2787.7
37.5°	2981.1	2971.9	2957.6	2976.0	3063.0	3087.5	2993.4	2921.8	2908.5	2919.7	2954.5
40°	3094.7	3079.4	3050.7	3064.0	3152.0	3180.7	3080.4	3012.8	3008.7	3036.4	3078.3
42.5°	3168.4	3152.0	3118.2	3118.2	3178.6	3190.9	3113.1	3077.3	3086.5	3118.2	3158.2
45°	3204.2	3195.0	3175.6	3165.3	3199.1	3204.2	3144.9	3130.5	3147.9	3163.3	3194.0
47.5°	3231.8	3231.8	3225.7	3215.5	3230.8	3233.9	3189.9	3185.8	3208.3	3208.3	3228.8
50°	3281.0	3286.1	3294.3	3292.2	3308.6	3318.8	3286.1	3279.9	3289.2	3259.5	3269.7
52.5°	3409.9	3423.2	3446.8	3465.2	3507.1	3538.9	3480.5	3431.4	3383.3	3317.8	3319.9
55°	3641.2	3647.3	3693.4	3747.6	3818.2	3882.7	3763.0	3610.5	3506.1	3429.4	3430.4
57.5°	3836.7	3845.9	3913.4	4027.0	4185.6	4285.9	4020.9	3766.1	3618.7	3524.5	3527.6
60°	3667.8	3655.5	3783.4	3977.9	4265.5	4393.4	4002.5	3654.5	3442.7	3326.0	3334.2
62.5°	2837.8	2814.3	2956.6	3160.2	3505.1	3633.0	3272.8	2939.2	2738.6	2647.5	2634.2
65°	1727.5	1706.0	1808.3	1933.2	2166.5	2247.4	2082.6	1905.5	1730.5	1675.3	1659.9
67.5°	940.5	937.4	965.1	1026.5	1128.8	1166.7	1134.9	1051.0	1006.0	967.1	967.1
70°	746.0	739.9	734.8	735.8	745.0	750.1	751.2	747.1	752.2	753.2	749.1
72.5°	618.1	616.1	605.8	606.9	602.8	600.7	607.9	612.0	620.2	621.2	621.2
75°	448.2	443.1	448.2	449.3	445.2	445.2	450.3	449.3	453.4	455.4	444.1
77.5°	254.8	254.8	262.0	270.2	276.3	276.3	281.4	281.4	286.5	285.5	283.5
80°	140.2	140.2	144.3	149.4	155.6	161.7	166.8	167.8	170.9	169.9	166.8
82.5°	79.8	80.8	82.9	86.0	92.1	97.2	102.3	103.4	106.4	106.4	103.4
85°	37.9	36.8	37.9	39.9	43.0	47.1	52.2	55.3	57.3	57.3	55.3
87.5°	7.2	8.2	7.2	8.2	9.2	12.3	14.3	16.4	19.4	20.5	18.4
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)