

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: P641643

Luminaire Tested: GWS-SA6B-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-735-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12758.9 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

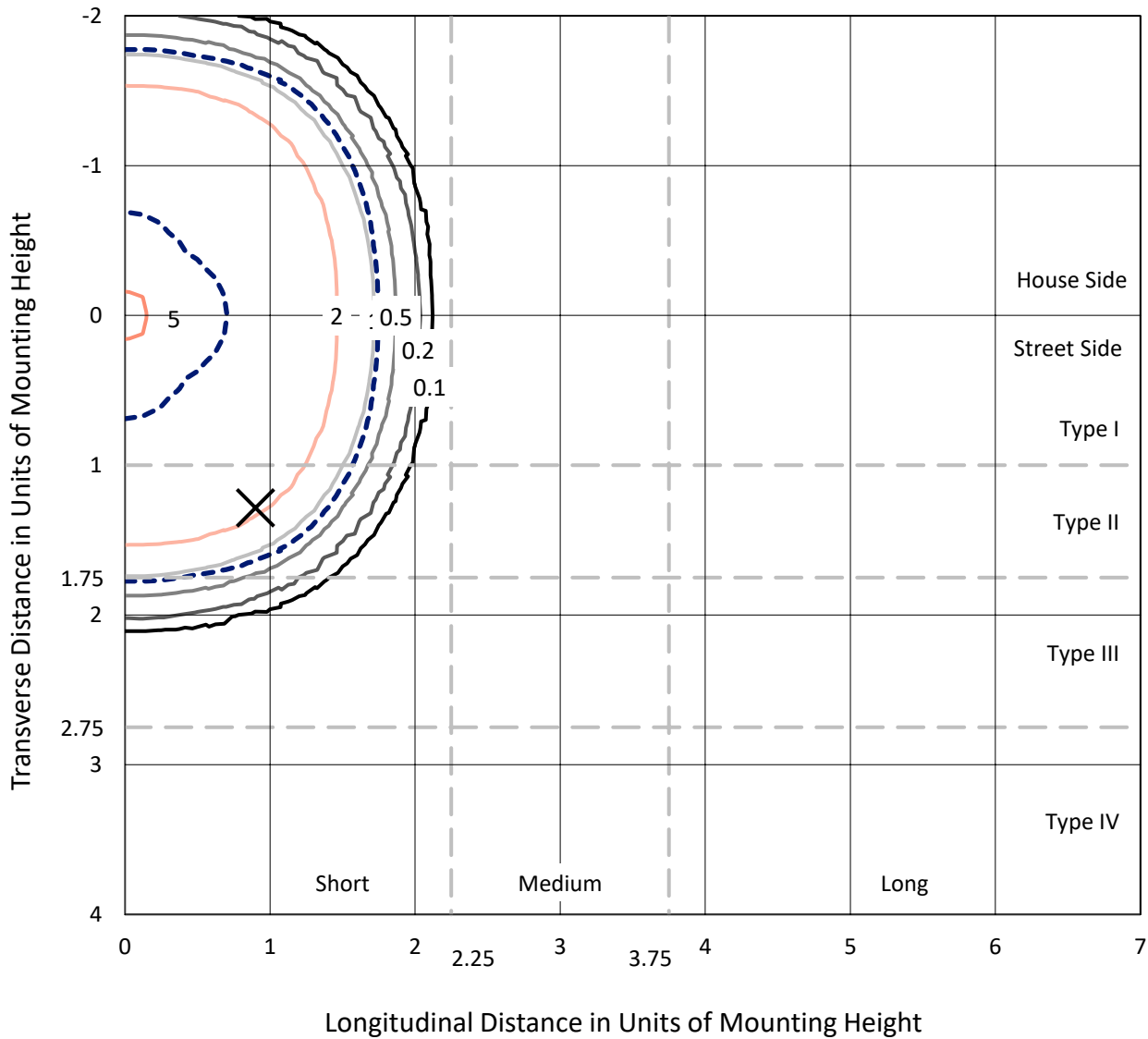
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

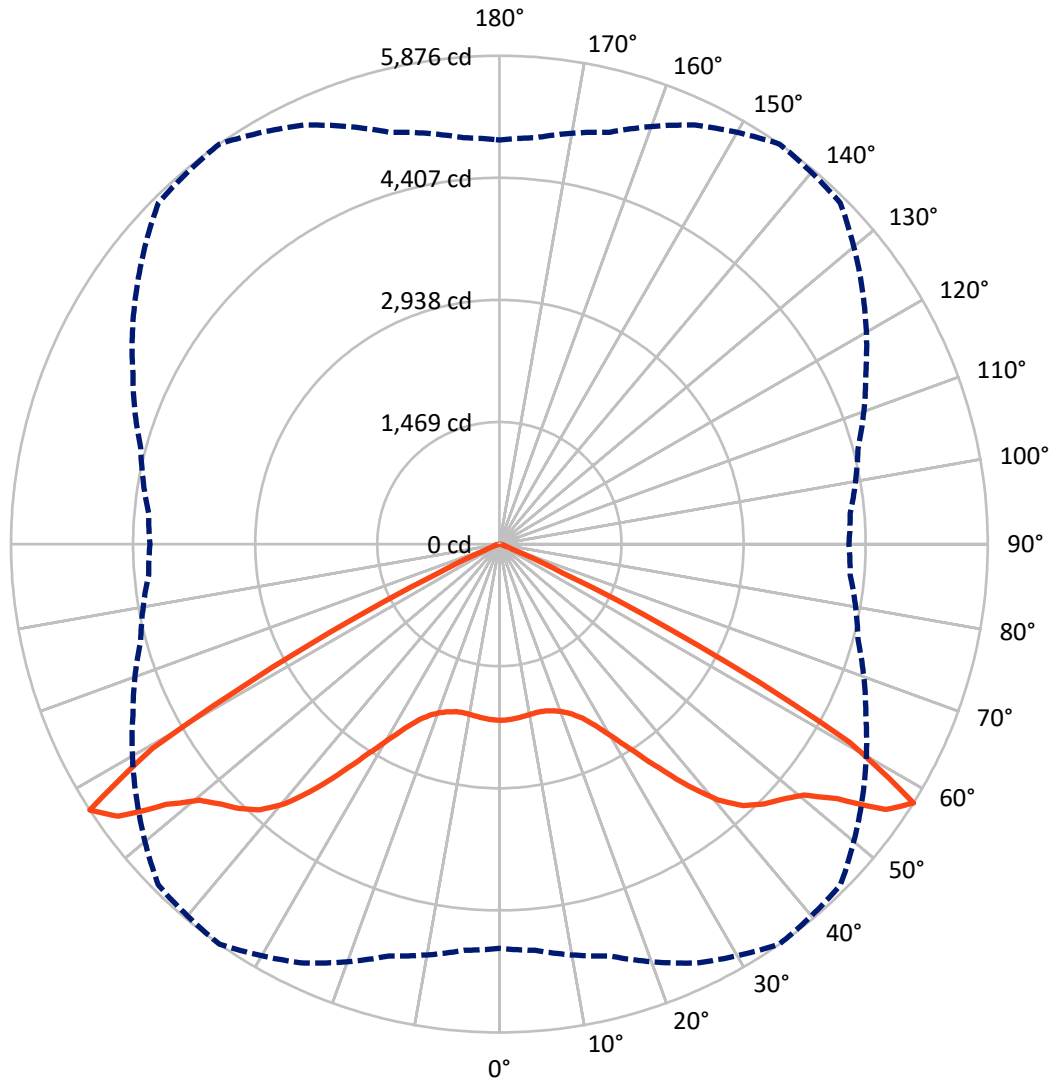
✕ Max cd
 - - - 1/2 Max cd



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 57.5-Deg Vertical

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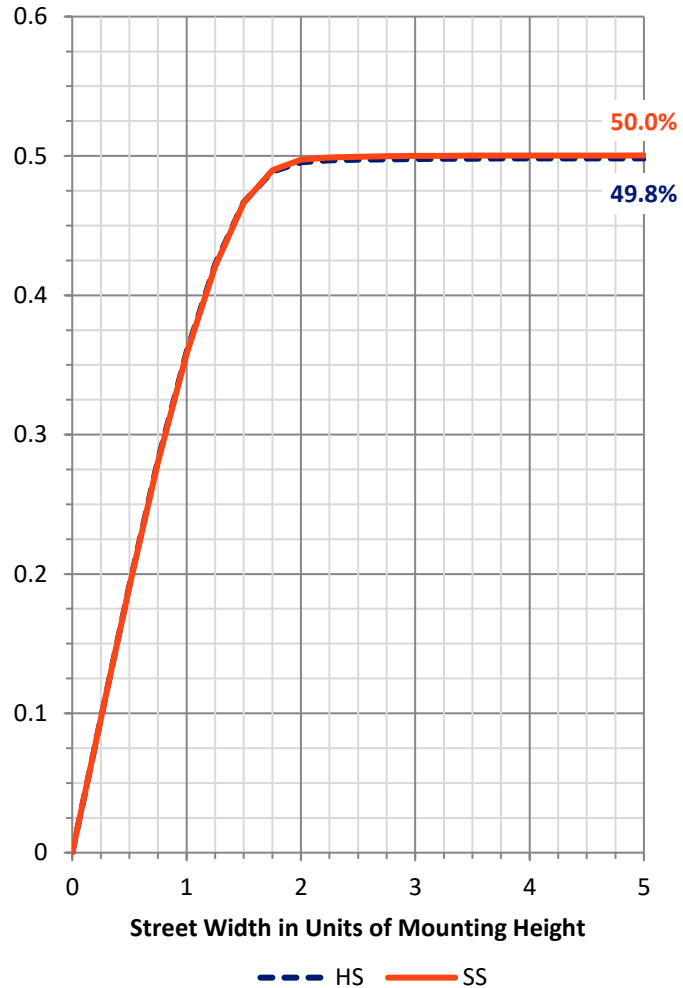
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6379.4	0.0	6379.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6379.4	0.0	6379.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	12758.9	0.0	12758.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.9	1.6
10°-20°	587.9	4.6
20°-30°	1062.7	8.3
30°-40°	1982.5	15.5
40°-50°	3325.6	26.1
50°-60°	4391.8	34.4
60°-70°	1166.4	9.1
70°-80°	41.4	0.3
80°-90°	0.7	0.0
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°	12758.9	100.0
0°-180°	12758.9	100.0

Coefficient of Utilization



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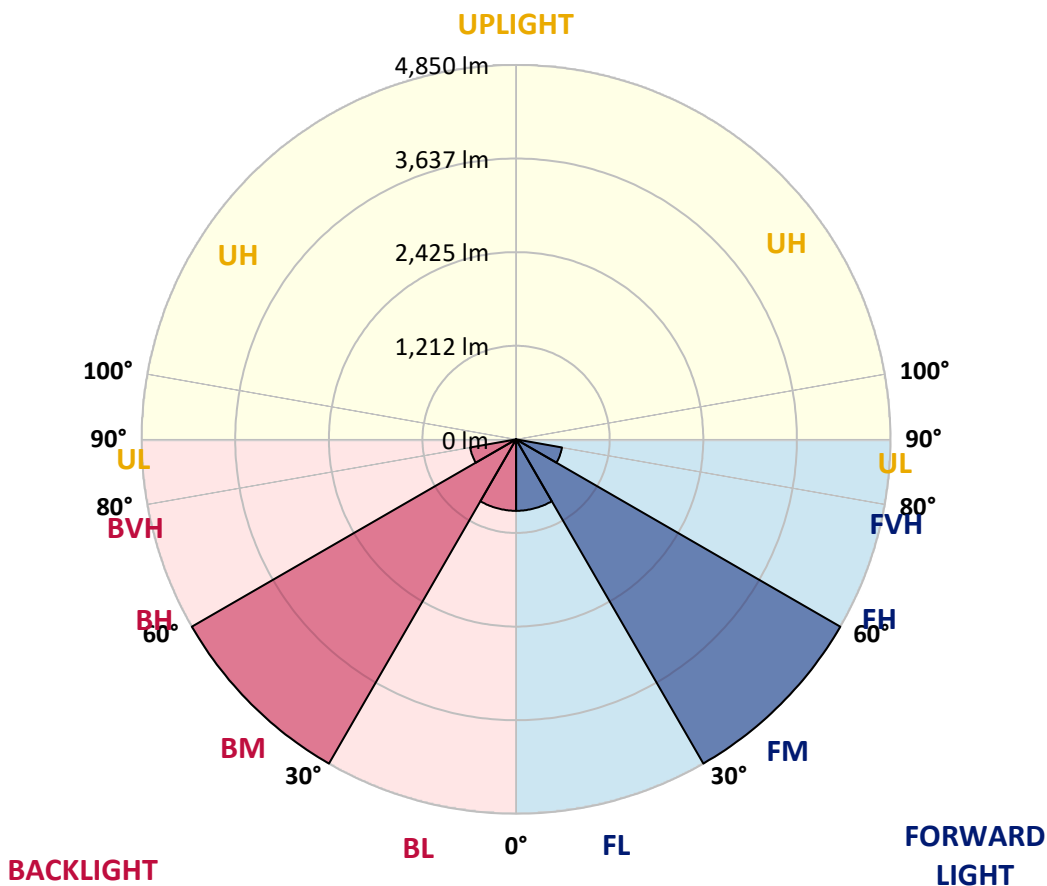
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	925.2	7.3			
FM (30°-60°)	4850.0	38.0			
FH (60°-80°)	603.9	4.7			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	925.2	7.3	B2/1000		
BM (30°-60°)	4850.0	38.0	B3/5000		
BH (60°-80°)	603.9	4.7	B2/1000		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2121.3	2121.3	2121.3	2121.3	2121.3	2121.3	2121.3	2121.3	2121.3	2121.3	2121.3
2.5°	2106.3	2104.8	2110.8	2115.3	2115.3	2125.8	2122.8	2119.8	2116.8	2112.3	2122.8
5°	2103.3	2101.8	2106.3	2109.3	2106.3	2115.3	2109.3	2103.3	2100.3	2094.3	2106.3
7.5°	2089.8	2091.3	2094.3	2097.3	2092.8	2100.3	2092.8	2083.9	2076.4	2070.4	2080.9
10°	2068.9	2070.4	2073.4	2079.4	2080.9	2091.3	2080.9	2064.4	2053.9	2044.9	2055.4
12.5°	2058.4	2059.9	2064.4	2071.9	2073.4	2086.9	2073.4	2049.4	2034.5	2024.0	2034.5
15°	2061.4	2064.4	2070.4	2079.4	2082.4	2095.8	2077.9	2046.4	2025.5	2012.0	2021.0
17.5°	2071.9	2074.9	2083.9	2098.8	2109.3	2122.8	2100.3	2059.9	2031.5	2012.0	2021.0
20°	2085.4	2089.8	2104.8	2128.8	2151.2	2175.2	2146.7	2091.3	2053.9	2030.0	2037.4
22.5°	2122.8	2127.3	2148.2	2179.7	2217.1	2247.0	2212.6	2142.2	2091.3	2059.9	2067.4
25°	2199.1	2203.6	2230.6	2271.0	2318.9	2357.8	2314.4	2226.1	2160.2	2124.3	2127.3
27.5°	2318.9	2323.4	2354.8	2411.7	2476.1	2531.5	2468.6	2365.3	2290.4	2248.5	2248.5
30°	2470.1	2476.1	2518.0	2594.3	2694.6	2768.0	2682.7	2556.9	2461.1	2404.2	2405.7
32.5°	2664.7	2658.7	2718.6	2823.4	2965.6	3062.9	2937.2	2784.5	2666.2	2586.9	2594.3
35°	2914.7	2913.2	2980.6	3122.8	3308.4	3425.2	3275.5	3077.9	2935.7	2854.8	2856.3
37.5°	3236.6	3235.1	3312.9	3467.1	3690.2	3787.5	3619.8	3419.2	3266.5	3188.7	3197.6
40°	3613.8	3604.8	3673.7	3821.9	4045.0	4107.8	3925.2	3763.5	3616.8	3567.4	3591.4
42.5°	3973.1	3953.6	3994.1	4128.8	4300.9	4309.9	4172.2	4061.4	3961.1	3922.2	3937.2
45°	4262.0	4247.1	4284.5	4362.3	4461.1	4416.2	4350.3	4315.9	4235.1	4193.2	4206.6
47.5°	4477.6	4477.6	4522.5	4570.4	4585.4	4503.0	4513.5	4513.5	4432.7	4366.8	4350.3
50°	4663.2	4676.7	4744.1	4793.5	4744.1	4639.3	4699.2	4687.2	4522.5	4390.8	4356.3
52.5°	4959.6	4973.1	5076.4	5143.8	5088.4	4985.1	4992.6	4842.9	4600.4	4444.7	4390.8
55°	5274.0	5306.9	5456.6	5636.3	5637.8	5531.5	5333.9	5068.9	4774.0	4604.8	4549.5
57.5°	4862.3	4907.2	5130.3	5562.9	5875.8	5802.5	5330.9	4865.3	4467.1	4236.6	4205.1
60°	3345.8	3423.7	3646.7	4238.1	4841.4	4869.8	4312.9	3790.5	3333.9	3049.4	3055.4
62.5°	1413.2	1492.5	1618.3	2104.8	2658.7	2693.1	2423.7	2049.4	1676.7	1471.6	1503.0
65°	332.3	354.8	392.2	582.3	844.3	883.2	814.4	634.7	468.6	396.7	404.2
67.5°	145.2	148.2	140.7	149.7	185.6	190.1	184.1	161.7	152.7	155.7	155.7
70°	101.8	103.3	97.3	92.8	88.3	82.3	85.3	94.3	101.8	107.8	106.3
72.5°	62.9	64.4	65.9	65.9	61.4	55.4	58.4	64.4	65.9	67.4	65.9
75°	31.4	32.9	35.9	37.4	35.9	34.4	34.4	35.9	35.9	34.4	34.4
77.5°	6.0	7.5	10.5	12.0	12.0	12.0	12.0	12.0	13.5	12.0	12.0
80°	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
82.5°	1.5	1.5	1.5	1.5	0.0	0.0	1.5	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
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)