

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: P641646

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 14694.5 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

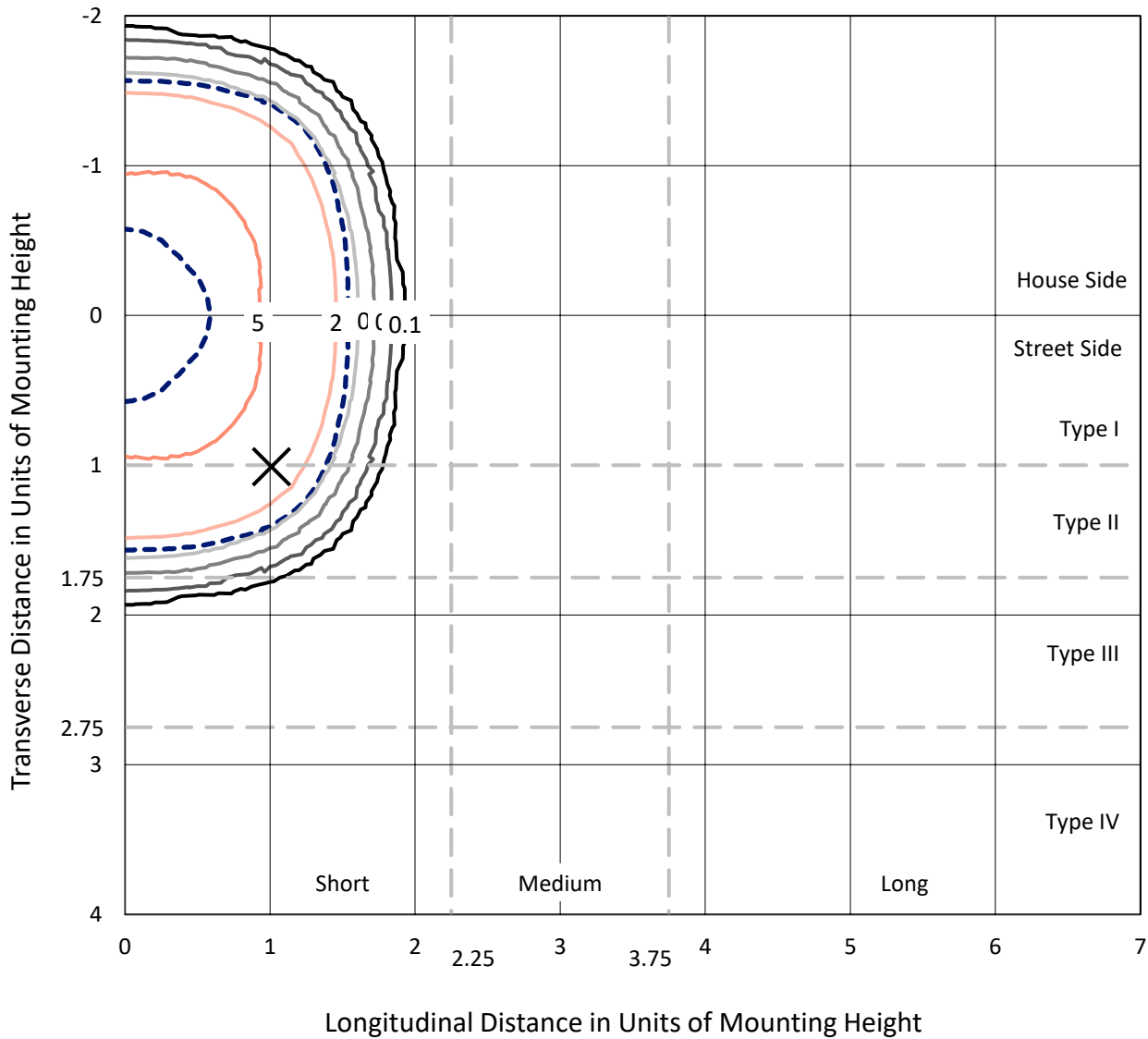
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

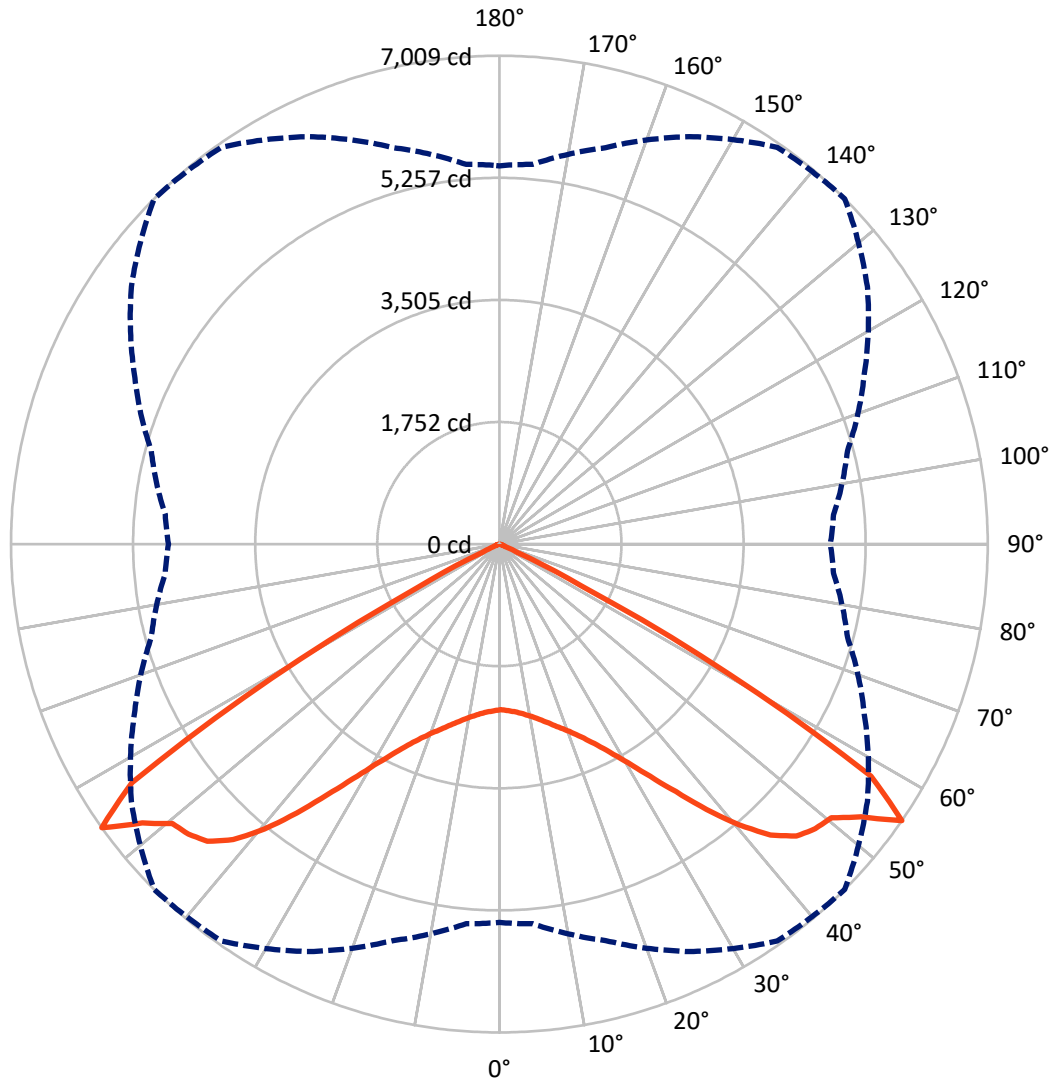
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7347.3	0.0	7347.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7347.3	0.0	7347.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	14694.5	0.0	14694.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.8	1.6
10°-20°	754.5	5.1
20°-30°	1461.3	9.9
30°-40°	2618.0	17.8
40°-50°	4389.3	29.9
50°-60°	4698.5	32.0
60°-70°	516.3	3.5
70°-80°	22.7	0.2
80°-90°	1.1	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°	14694.5	100.0
0°-180°	14694.5	100.0

Coefficient of Utilization



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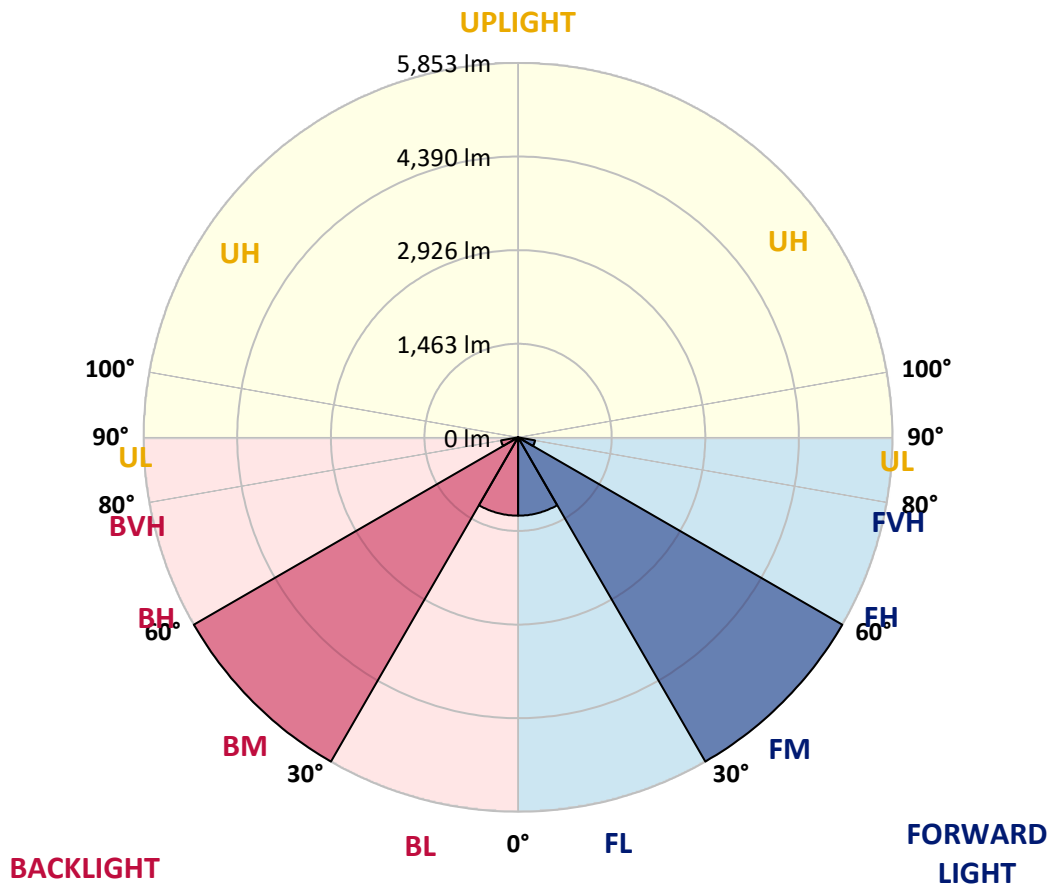
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1224.3	8.3			
FM (30°-60°)	5852.9	39.8			
FH (60°-80°)	269.5	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1224.3	8.3	B3/2500		
BM (30°-60°)	5852.9	39.8	B4/8500		
BH (60°-80°)	269.5	1.8	B1/500		G0/660
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2375.8	2375.8	2375.8	2375.8	2375.8	2375.8	2375.8	2375.8	2375.8	2375.8	2375.8
2.5°	2371.3	2371.3	2377.3	2381.8	2381.8	2393.8	2389.3	2384.8	2384.8	2378.8	2390.8
5°	2405.8	2404.3	2410.2	2413.2	2407.3	2419.2	2411.7	2407.3	2404.3	2398.3	2410.2
7.5°	2443.2	2444.7	2446.2	2452.2	2449.2	2461.1	2455.2	2446.2	2443.2	2434.2	2446.2
10°	2488.1	2488.1	2491.1	2498.6	2500.1	2515.0	2509.1	2498.6	2489.6	2480.6	2492.6
12.5°	2545.0	2546.5	2551.0	2561.5	2567.4	2583.9	2574.9	2554.0	2540.5	2530.0	2543.5
15°	2627.3	2625.8	2631.8	2646.8	2654.3	2666.2	2652.8	2624.3	2607.9	2595.9	2604.9
17.5°	2717.1	2717.1	2720.1	2735.1	2745.6	2763.6	2747.1	2712.7	2697.7	2681.2	2690.2
20°	2815.9	2820.4	2823.4	2833.9	2851.9	2869.8	2856.4	2821.9	2805.5	2784.5	2795.0
22.5°	2946.2	2941.7	2943.2	2961.2	2986.6	3004.6	2994.1	2953.7	2925.2	2908.8	2914.8
25°	3091.4	3089.9	3094.4	3121.3	3149.8	3169.3	3154.3	3101.9	3073.4	3045.0	3057.0
27.5°	3269.6	3271.1	3274.0	3307.0	3351.9	3380.3	3342.9	3290.5	3251.6	3214.2	3223.1
30°	3480.6	3477.6	3486.6	3531.5	3597.4	3642.3	3598.9	3525.6	3470.2	3434.2	3438.7
32.5°	3705.2	3708.2	3732.1	3804.0	3890.8	3970.2	3881.8	3784.5	3712.7	3645.3	3654.3
35°	3947.7	3955.2	4009.1	4115.4	4257.6	4363.9	4241.1	4081.0	3979.2	3892.3	3895.3
37.5°	4233.7	4251.6	4326.5	4485.2	4688.8	4831.0	4651.3	4438.8	4307.0	4199.2	4191.7
40°	4609.4	4630.4	4732.2	4920.8	5167.8	5298.1	5090.0	4871.4	4708.2	4591.5	4573.5
42.5°	5040.6	5067.5	5178.3	5371.4	5618.4	5706.8	5503.2	5319.0	5172.3	5034.6	5028.6
45°	5527.1	5542.1	5631.9	5780.1	5958.3	5979.2	5826.5	5724.7	5576.5	5447.8	5437.3
47.5°	5983.7	5998.7	6060.1	6136.4	6178.3	6103.5	6076.5	6031.6	5840.0	5681.3	5648.4
50°	6331.0	6343.0	6419.3	6449.3	6332.5	6173.8	6226.2	6130.4	5922.3	5744.2	5693.3
52.5°	6307.1	6337.0	6533.1	6703.8	6630.4	6501.7	6361.0	6154.4	5831.0	5587.0	5524.1
55°	5429.8	5470.2	5890.9	6452.3	6953.8	7009.2	6446.3	5780.1	5172.3	4814.5	4750.1
57.5°	3489.6	3500.1	4013.6	4801.0	5931.3	6287.6	5346.0	4357.9	3601.9	3208.2	3181.2
60°	1283.0	1262.0	1649.7	2302.5	3416.3	3793.5	3146.8	2203.7	1571.9	1293.5	1271.0
62.5°	308.4	311.4	386.2	579.4	1071.9	1326.4	1047.9	585.3	372.8	312.9	309.9
65°	155.7	152.7	154.2	166.2	229.0	274.0	224.6	158.7	152.7	154.2	152.7
67.5°	100.3	98.8	101.8	103.3	101.8	95.8	94.3	97.3	97.3	98.8	95.8
70°	61.4	59.9	62.9	67.4	64.4	56.9	59.9	62.9	59.9	58.4	58.4
72.5°	32.9	32.9	35.9	38.9	35.9	32.9	32.9	34.4	32.9	32.9	32.9
75°	15.0	15.0	16.5	18.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
77.5°	4.5	4.5	6.0	6.0	4.5	4.5	4.5	4.5	6.0	6.0	6.0
80°	1.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	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)