

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: P642971

Luminaire Tested: GWS-SA6E-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33428.4 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

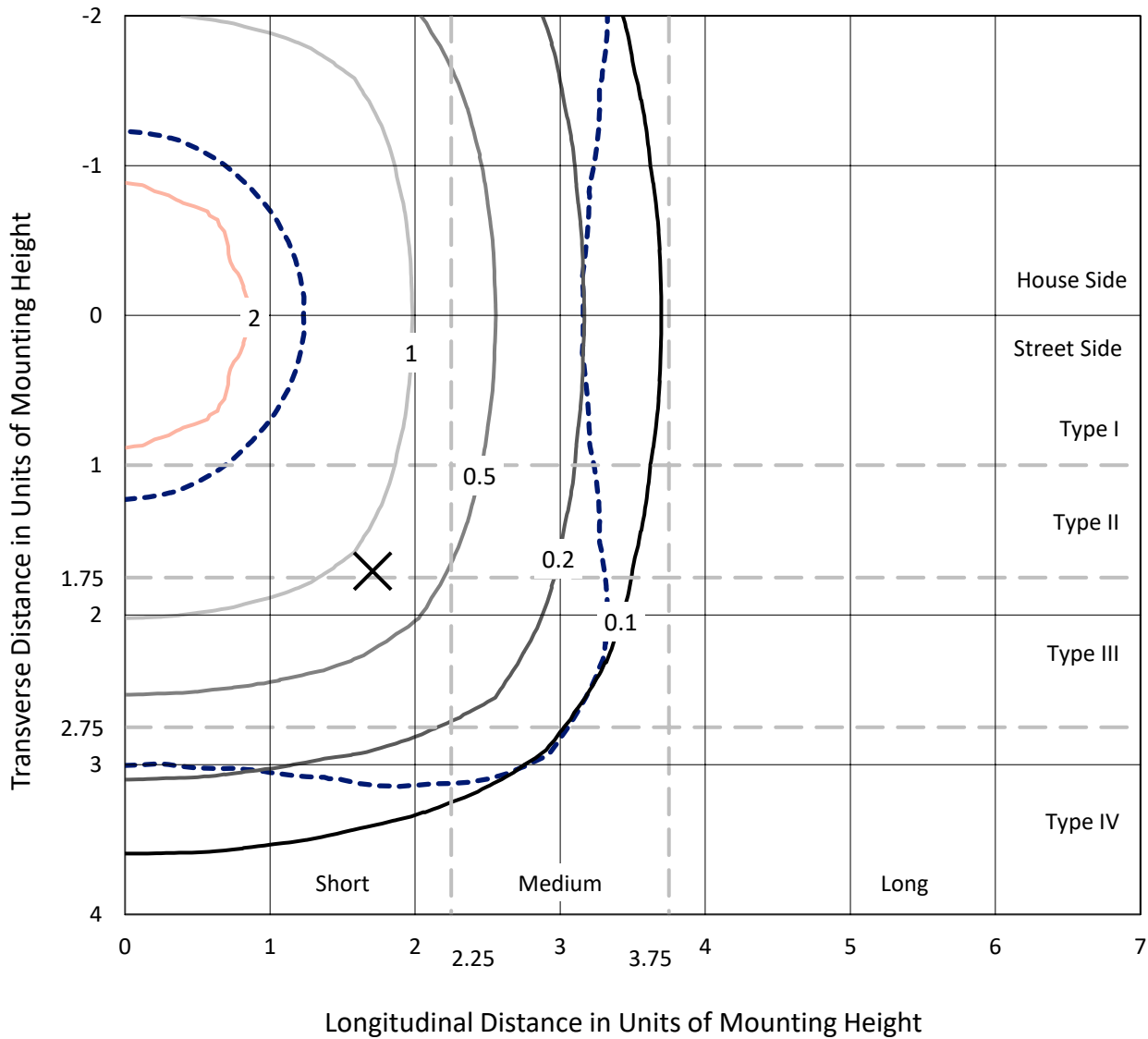
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

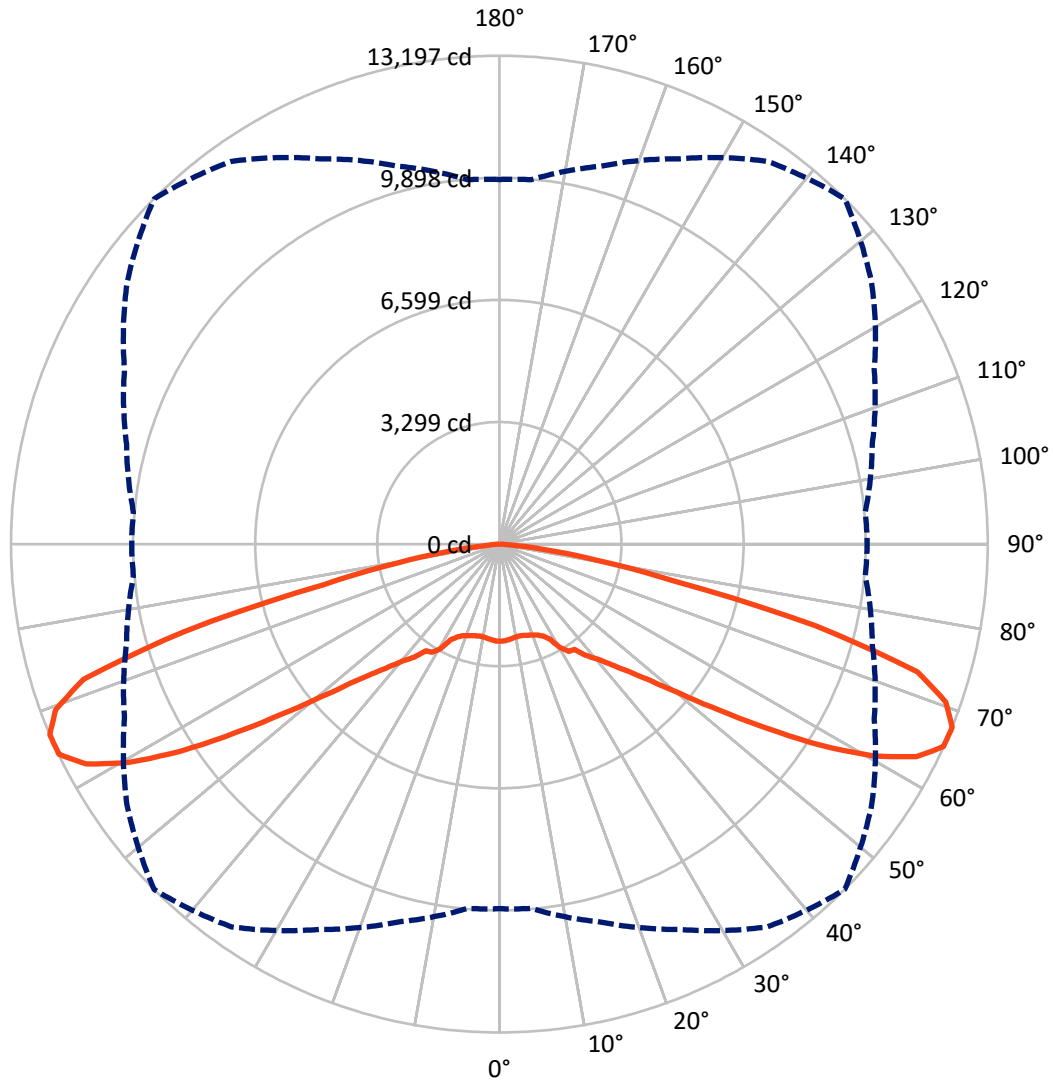
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16714.2	0.0	16714.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16714.2	0.0	16714.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	33428.4	0.0	33428.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.1	0.7
10°-20°	730.4	2.2
20°-30°	1310.3	3.9
30°-40°	2213.4	6.6
40°-50°	3889.0	11.6
50°-60°	7502.0	22.4
60°-70°	10884.4	32.6
70°-80°	6227.6	18.6
80°-90°	425.0	1.3
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°	33428.4	100.0
0°-180°	33428.4	100.0

Coefficient of Utilization



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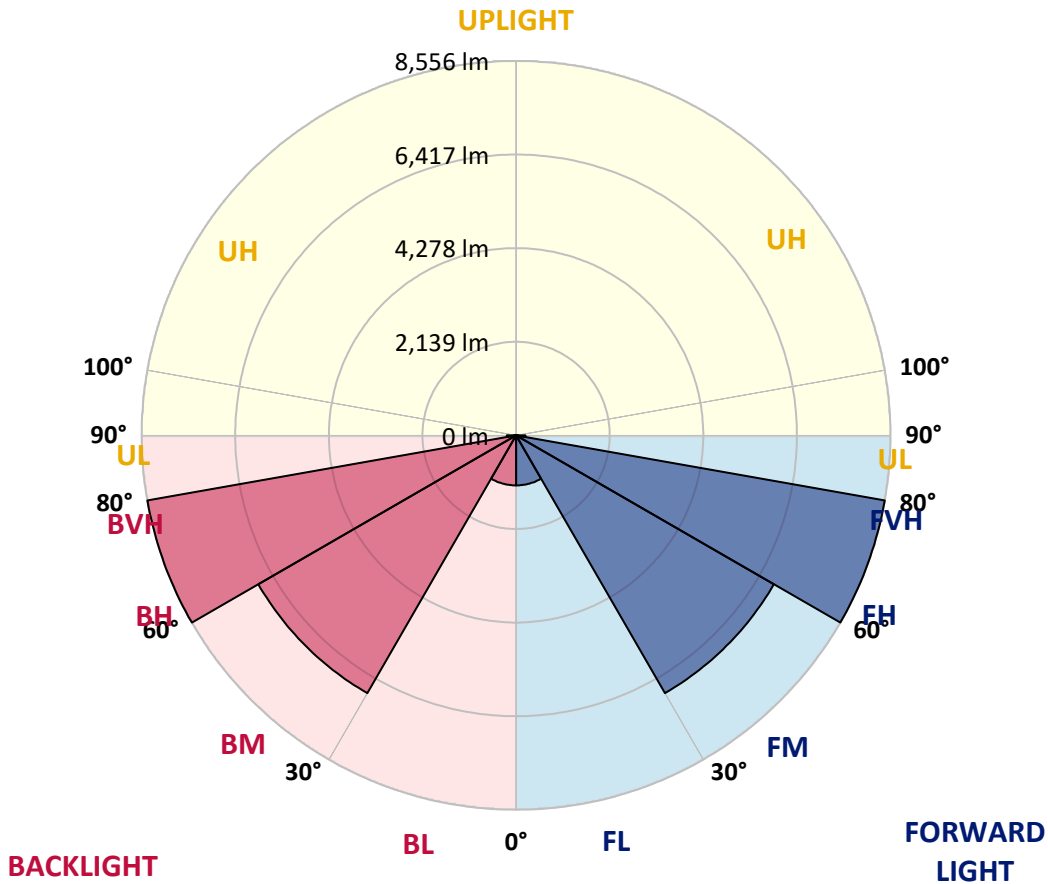
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1143.4	3.4			
FM (30°-60°)	6802.2	20.3			
FH (60°-80°)	8556.0	25.6			G4/12000
FVH (80°-90°)	212.5	0.6			G2/225
BL (0°-30°)	1143.4	3.4	B3/2500		
BM (30°-60°)	6802.2	20.3	B4/8500		
BH (60°-80°)	8556.0	25.6	B5		G4/12000
BVH (80°-90°)	212.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2621.5	2621.5	2621.5	2621.5	2621.5	2621.5	2621.5	2621.5	2621.5	2621.5	2621.5
2.5°	2600.2	2602.6	2607.3	2607.3	2612.0	2619.1	2621.5	2616.7	2619.1	2607.3	2619.1
5°	2593.1	2595.5	2597.8	2593.1	2593.1	2595.5	2595.5	2590.7	2593.1	2581.3	2593.1
7.5°	2576.6	2578.9	2578.9	2571.8	2564.7	2569.5	2569.5	2564.7	2567.1	2555.3	2569.5
10°	2562.4	2562.4	2560.0	2545.8	2538.7	2545.8	2548.2	2550.6	2560.0	2550.6	2567.1
12.5°	2571.8	2571.8	2564.7	2545.8	2534.0	2538.7	2543.5	2548.2	2564.7	2562.4	2581.3
15°	2597.8	2600.2	2581.3	2560.0	2552.9	2560.0	2555.3	2552.9	2574.2	2581.3	2602.6
17.5°	2619.1	2619.1	2595.5	2574.2	2576.6	2588.4	2578.9	2567.1	2588.4	2602.6	2626.2
20°	2638.0	2635.7	2609.6	2595.5	2604.9	2621.5	2614.4	2597.8	2612.0	2628.6	2649.8
22.5°	2685.3	2682.9	2654.6	2647.5	2656.9	2673.5	2666.4	2652.2	2668.7	2692.4	2718.4
25°	2820.0	2815.3	2772.8	2749.1	2744.4	2756.2	2753.8	2749.1	2775.1	2803.5	2834.2
27.5°	2999.7	2997.3	2966.6	2942.9	2912.2	2902.8	2909.9	2931.1	2968.9	2990.2	3016.2
30°	3089.5	3089.5	3084.8	3122.6	3188.8	3252.6	3203.0	3122.6	3089.5	3080.0	3106.1
32.5°	3207.7	3219.5	3203.0	3245.5	3356.6	3451.2	3356.6	3226.6	3203.0	3203.0	3231.3
35°	3479.5	3484.3	3458.3	3451.2	3486.6	3498.4	3453.5	3406.3	3432.3	3437.0	3472.4
37.5°	3697.0	3697.0	3685.2	3704.1	3777.4	3822.3	3749.0	3663.9	3671.0	3675.7	3720.6
40°	4032.7	4042.1	4013.8	4011.4	4039.8	4079.9	4001.9	3947.6	3985.4	3997.2	4065.8
42.5°	4451.1	4451.1	4408.5	4396.7	4415.6	4458.2	4384.9	4349.4	4399.1	4408.5	4448.7
45°	4949.8	4961.6	4904.9	4883.6	4893.1	4907.3	4855.3	4838.7	4886.0	4907.3	4978.2
47.5°	5557.3	5569.1	5519.5	5517.1	5507.7	5517.1	5467.5	5458.0	5495.9	5479.3	5555.0
50°	6306.7	6327.9	6285.4	6344.5	6337.4	6365.7	6297.2	6247.6	6247.6	6202.6	6245.2
52.5°	7145.8	7188.4	7209.6	7308.9	7384.6	7455.5	7342.0	7264.0	7150.5	7058.3	7174.2
55°	8060.6	8048.8	8183.5	8401.0	8623.2	8791.0	8568.8	8323.0	8138.6	7947.1	7992.1
57.5°	8861.9	8902.1	9079.4	9476.5	9916.2	10270.8	9871.3	9398.5	8980.1	8705.9	8743.7
60°	9528.5	9561.6	9798.0	10370.0	11138.3	11627.6	10994.1	10214.0	9606.5	9228.3	9268.5
62.5°	10143.1	10173.9	10412.6	11043.7	12012.9	12651.1	11833.2	10767.2	10091.1	9710.5	9734.2
65°	10497.7	10516.6	10842.8	11507.0	12528.2	13187.7	12265.8	11166.7	10502.4	10114.8	10128.9
67.5°	9852.4	9883.1	10571.0	11488.1	12627.5	13197.2	12284.7	11178.5	10431.5	9925.7	9937.5
70°	7772.2	7746.2	8566.5	10143.1	12057.8	12800.0	11738.7	10339.3	9185.8	8479.0	8467.2
72.5°	5926.1	5933.2	6389.4	7469.6	9831.1	11812.0	10358.2	8325.4	7082.0	6545.4	6524.1
75°	4297.4	4363.6	4734.7	5526.6	6876.3	8828.8	7798.2	6169.6	5337.5	5016.0	4968.7
77.5°	1936.0	2021.1	2538.7	3470.1	4597.6	4878.9	4897.8	4188.7	3160.4	2626.2	2543.5
80°	565.0	605.1	777.7	1330.8	2141.6	2768.0	2198.3	1848.5	1151.2	903.0	860.4
82.5°	238.7	271.8	333.3	368.8	621.7	1283.6	799.0	508.2	472.8	382.9	349.8
85°	101.6	108.7	139.5	148.9	200.9	274.2	252.9	229.3	219.8	170.2	156.0
87.5°	42.5	42.5	42.5	37.8	35.5	37.8	52.0	66.2	87.5	68.6	63.8
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)