

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: P642969

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17352.4 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

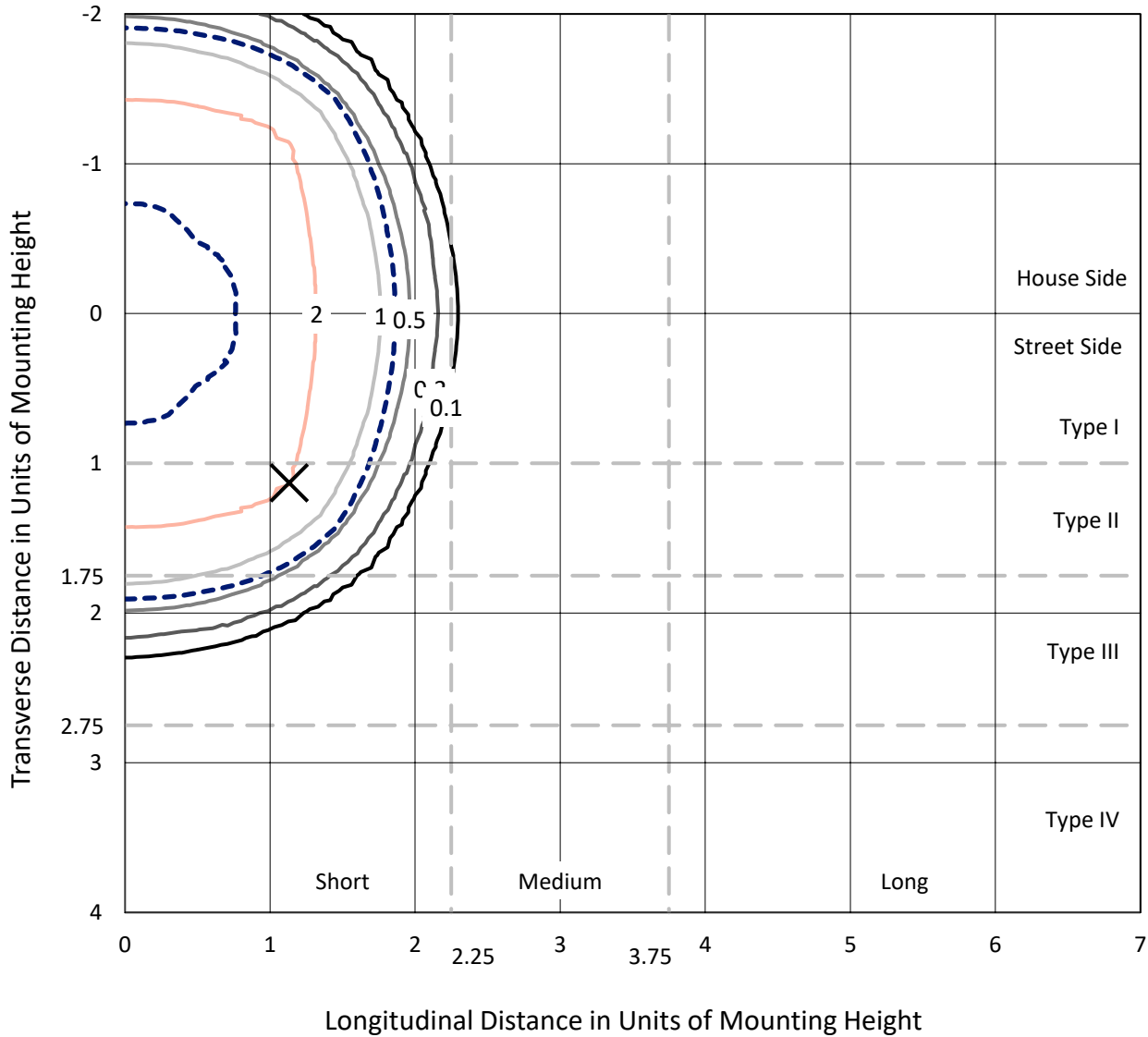


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Iso-Footcandle Lines of Horizontal Illumination

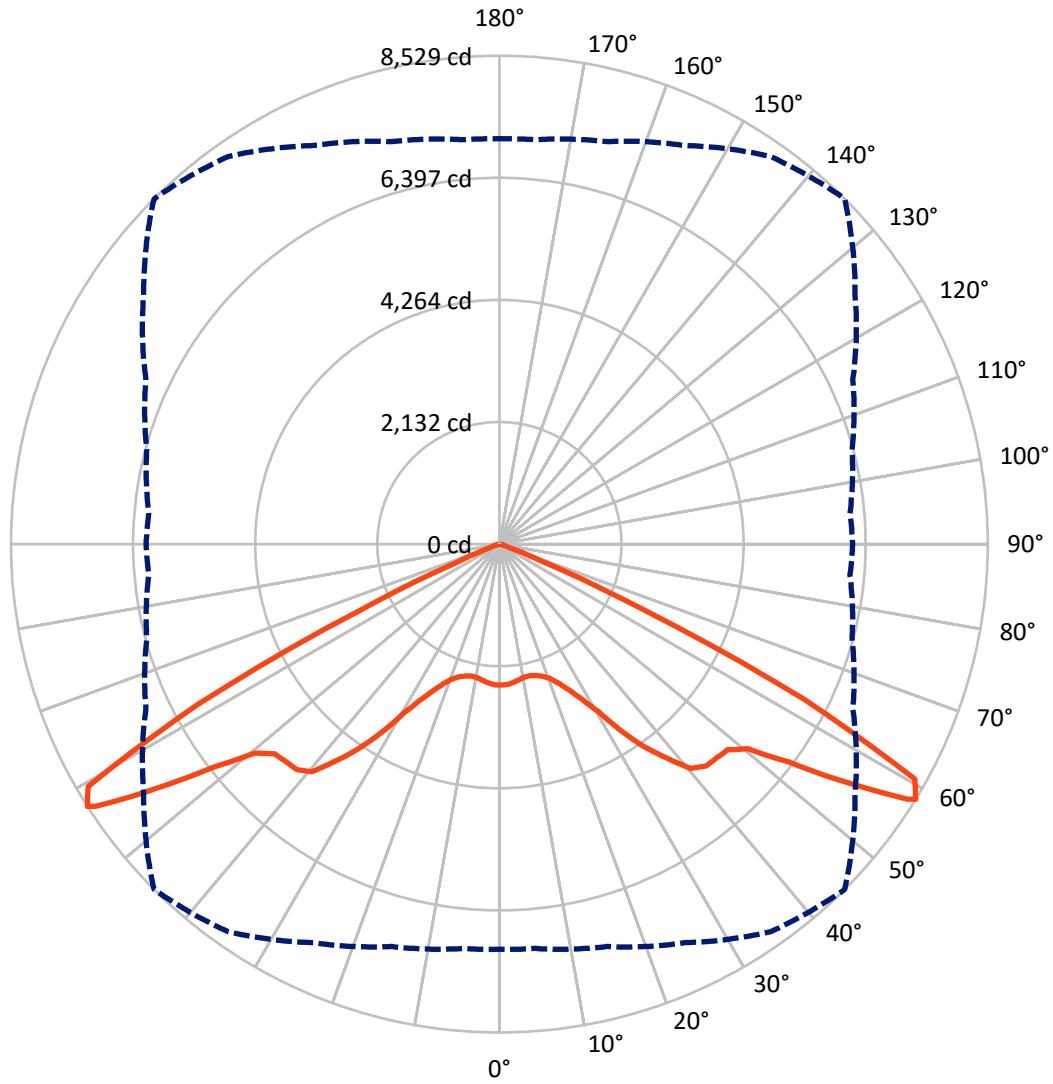
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8676.2	0.0	8676.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8676.2	0.0	8676.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	17352.4	0.0	17352.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.6	1.3
10°-20°	679.4	3.9
20°-30°	1284.8	7.4
30°-40°	2534.0	14.6
40°-50°	4010.1	23.1
50°-60°	5894.6	34.0
60°-70°	2631.1	15.2
70°-80°	88.2	0.5
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°	17352.4	100.0
0°-180°	17352.4	100.0

Coefficient of Utilization



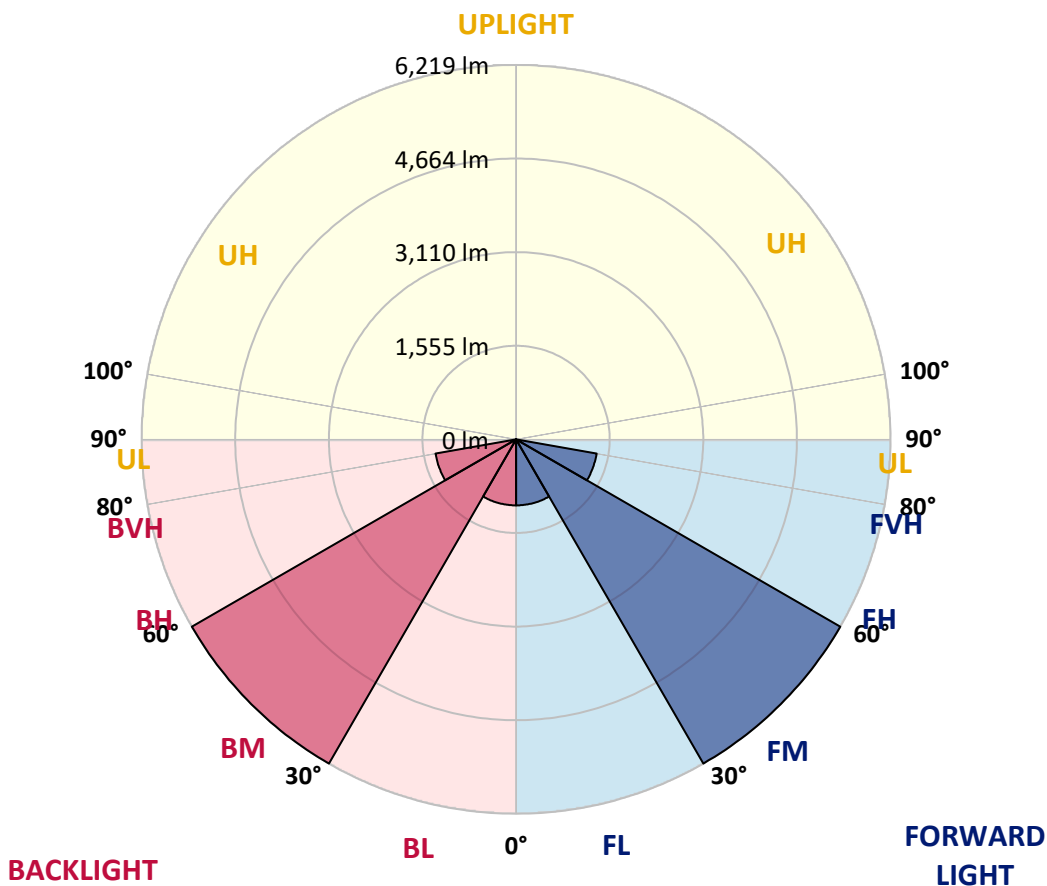
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1096.9	6.3			
FM (30°-60°)	6219.3	35.8			
FH (60°-80°)	1359.6	7.8			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1096.9	6.3	B3/2500		
BM (30°-60°)	6219.3	35.8	B4/8500		
BH (60°-80°)	1359.6	7.8	B3/2500		G1/1800
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: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2460.8	2460.8	2460.8	2460.8	2460.8	2460.8	2460.8	2460.8	2460.8	2460.8	2460.8
2.5°	2437.2	2441.9	2446.6	2449.0	2451.3	2458.4	2460.8	2453.7	2453.7	2439.5	2456.1
5°	2425.3	2430.1	2434.8	2432.4	2432.4	2432.4	2430.1	2420.6	2418.3	2404.1	2420.6
7.5°	2404.1	2408.8	2408.8	2401.7	2397.0	2397.0	2394.6	2382.8	2380.4	2366.2	2382.8
10°	2387.5	2389.9	2387.5	2373.3	2363.9	2363.9	2361.5	2356.8	2359.2	2349.7	2363.9
12.5°	2397.0	2399.3	2389.9	2371.0	2359.2	2356.8	2349.7	2342.6	2349.7	2347.3	2361.5
15°	2427.7	2430.1	2413.5	2389.9	2380.4	2380.4	2361.5	2342.6	2352.1	2354.4	2371.0
17.5°	2465.5	2465.5	2444.3	2423.0	2425.3	2425.3	2394.6	2361.5	2363.9	2373.3	2389.9
20°	2510.4	2510.4	2489.2	2484.4	2501.0	2503.4	2465.5	2413.5	2401.7	2408.8	2427.7
22.5°	2590.8	2590.8	2574.3	2586.1	2623.9	2635.7	2579.0	2505.7	2477.3	2482.1	2501.0
25°	2716.1	2716.1	2711.4	2739.7	2794.1	2820.1	2744.5	2647.5	2600.3	2593.2	2614.5
27.5°	2926.5	2928.9	2921.8	2964.3	3032.9	3063.6	2959.6	2831.9	2775.2	2763.4	2784.7
30°	3198.3	3198.3	3200.7	3259.8	3349.6	3389.8	3252.7	3103.8	3037.6	2999.8	3028.1
32.5°	3500.9	3505.6	3529.3	3628.6	3786.9	3869.7	3668.7	3460.7	3354.3	3314.2	3344.9
35°	3999.7	3954.8	3926.4	3999.7	4229.0	4337.7	4080.1	3836.6	3756.2	3751.5	3829.5
37.5°	4493.7	4467.7	4408.6	4484.3	4689.9	4739.6	4455.9	4252.6	4195.9	4226.6	4304.6
40°	4886.1	4838.9	4760.9	4831.8	5101.3	5150.9	4801.0	4600.1	4578.8	4647.4	4753.8
42.5°	5195.8	5129.6	5025.6	5042.2	5259.6	5295.1	4985.4	4834.1	4848.3	4933.4	5054.0
45°	5335.3	5283.3	5191.1	5184.0	5321.1	5323.5	5080.0	5002.0	5039.8	5106.0	5200.5
47.5°	5394.4	5370.7	5318.7	5306.9	5384.9	5366.0	5214.7	5181.6	5217.1	5236.0	5290.4
50°	5540.9	5540.9	5548.0	5557.5	5637.9	5618.9	5512.6	5474.8	5429.8	5363.6	5380.2
52.5°	5952.3	5968.8	6037.4	6113.0	6259.6	6321.0	6148.5	5928.6	5713.5	5569.3	5569.3
55°	6694.5	6711.1	6791.4	6919.1	7188.6	7335.1	6933.3	6448.7	6153.2	5957.0	5983.0
57.5°	7103.5	7122.4	7287.8	7633.0	8155.4	8403.6	7540.8	6822.2	6408.5	6183.9	6202.8
58°	7077.5	7089.3	7276.0	7680.3	8261.8	8528.9	7583.3	6810.3	6375.4	6146.1	6169.7
60°	6287.9	6271.4	6569.2	7146.0	7966.3	8335.0	7160.2	6217.0	5711.1	5477.1	5488.9
62.5°	4110.8	4120.2	4377.9	4980.7	5618.9	5966.4	5002.0	4299.9	3893.3	3751.5	3716.0
65°	1716.2	1685.4	1843.8	2179.5	2562.4	2756.3	2368.6	2004.6	1754.0	1659.4	1685.4
67.5°	442.0	430.2	439.7	550.8	673.7	796.6	669.0	510.6	444.4	449.1	449.1
70°	250.6	236.4	191.5	177.3	172.6	172.6	172.6	172.6	198.6	234.0	241.1
72.5°	189.1	177.3	139.5	120.6	106.4	99.3	104.0	120.6	144.2	174.9	179.7
75°	94.6	94.6	85.1	80.4	70.9	66.2	68.6	75.6	87.5	99.3	96.9
77.5°	18.9	21.3	23.6	28.4	23.6	23.6	23.6	28.4	28.4	30.7	28.4
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	0.0	2.4	2.4	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)