

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: P640496

Luminaire Tested: GWS-SA5E-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640496
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-SA5E-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28033.8 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

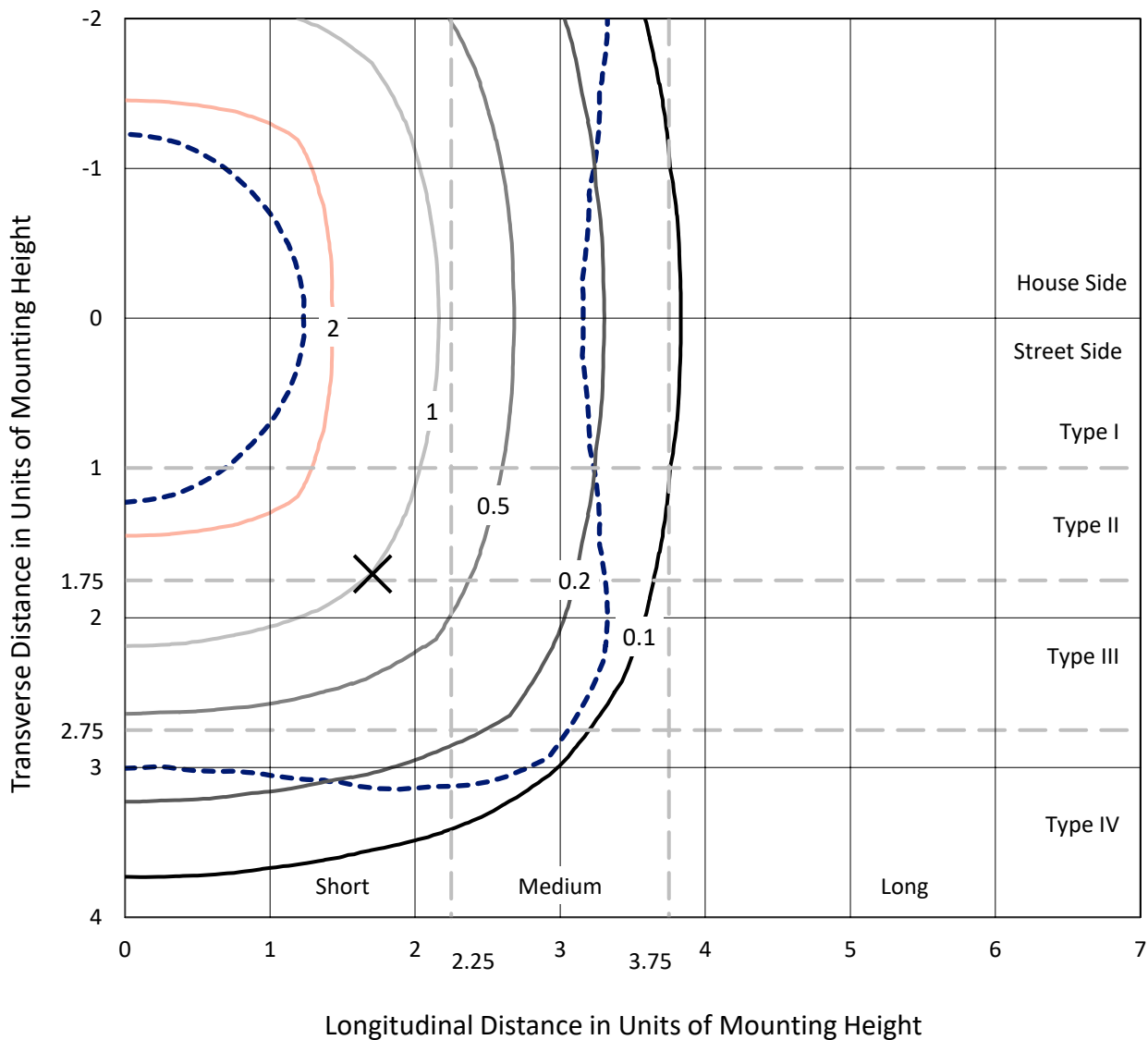
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

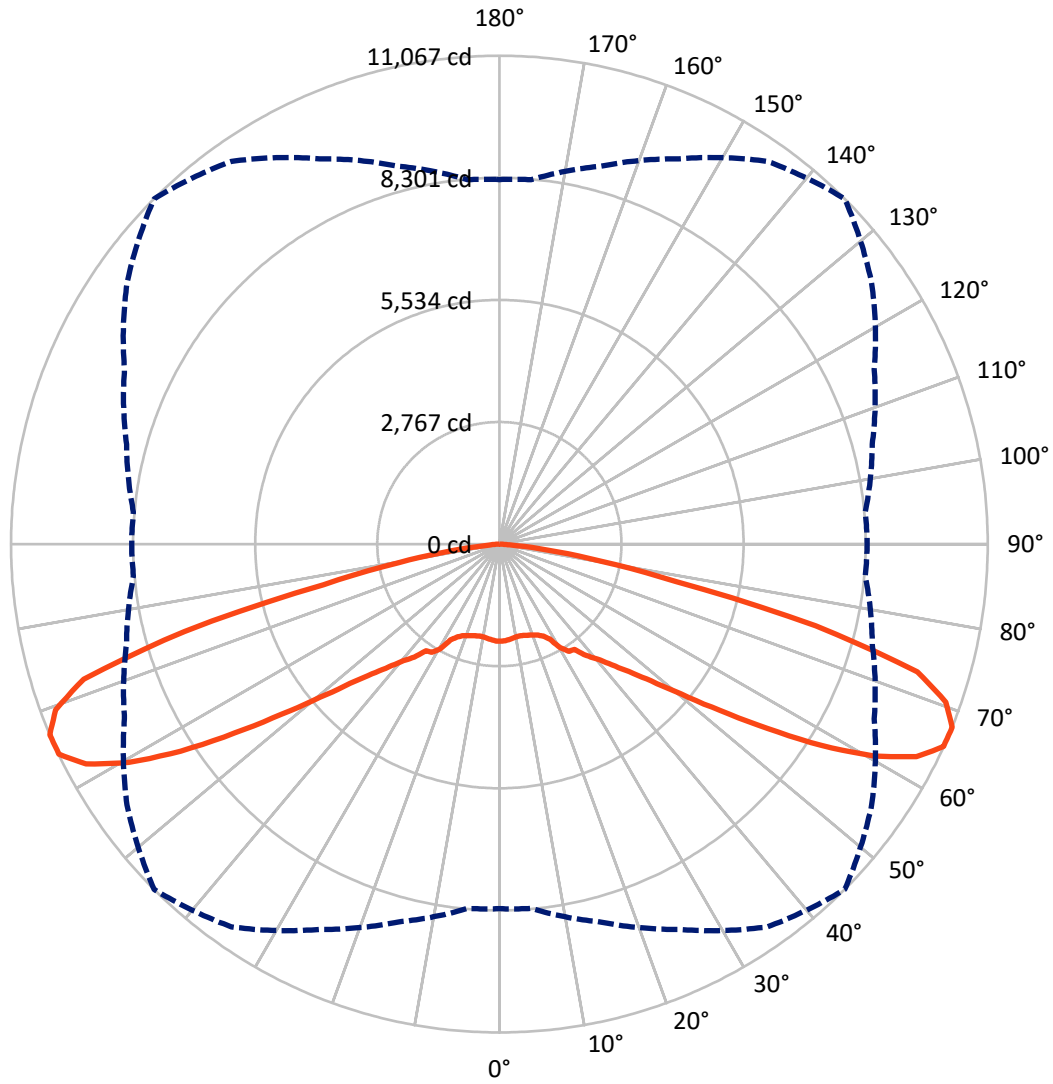
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	14016.9	0.0	14016.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14016.9	0.0	14016.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	28033.8	0.0	28033.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.4	0.7
10°-20°	612.6	2.2
20°-30°	1098.8	3.9
30°-40°	1856.2	6.6
40°-50°	3261.4	11.6
50°-60°	6291.4	22.4
60°-70°	9127.9	32.6
70°-80°	5222.6	18.6
80°-90°	356.4	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°	28033.8	100.0
0°-180°	28033.8	100.0

Coefficient of Utilization



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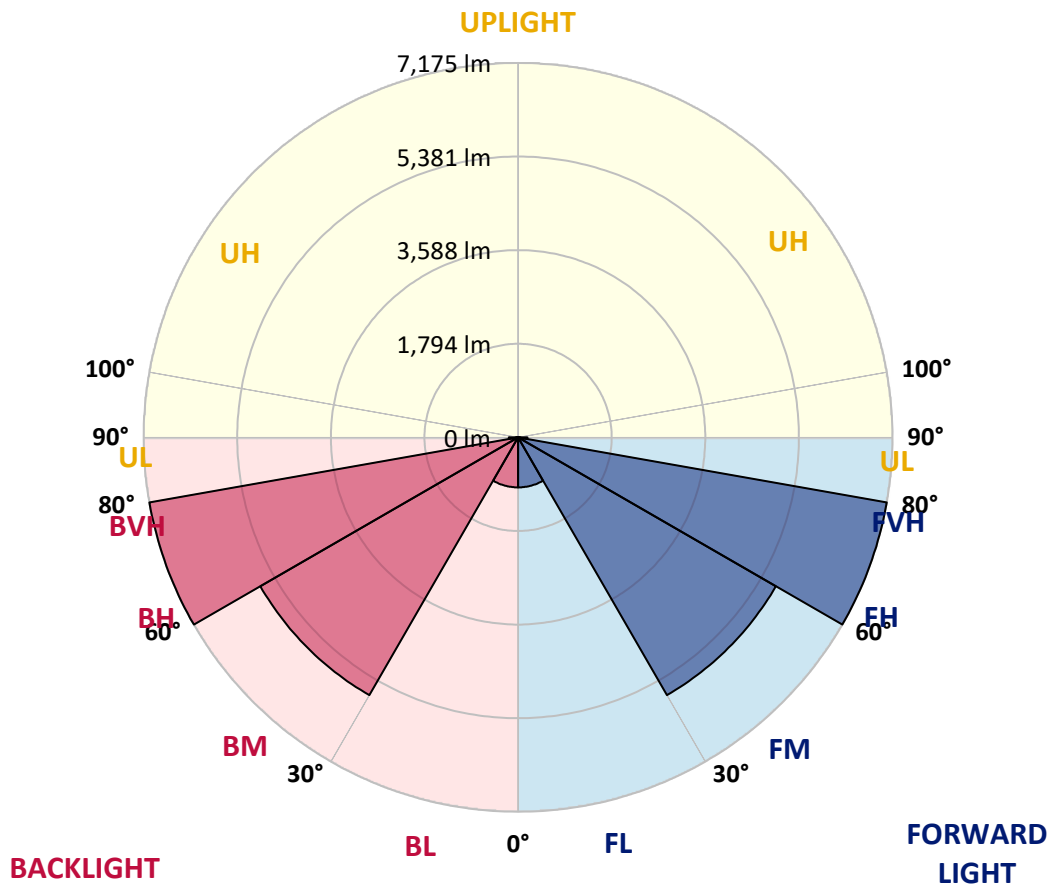
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	958.9	3.4			
FM (30°-60°)	5704.5	20.3			
FH (60°-80°)	7175.3	25.6			G3/7500
FVH (80°-90°)	178.2	0.6			G2/225
BL (0°-30°)	958.9	3.4	B2/1000		
BM (30°-60°)	5704.5	20.3	B4/8500		
BH (60°-80°)	7175.3	25.6	B5		G3/7500
BVH (80°-90°)	178.2	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2198.4	2198.4	2198.4	2198.4	2198.4	2198.4	2198.4	2198.4	2198.4	2198.4	2198.4
2.5°	2180.6	2182.6	2186.5	2186.5	2190.5	2196.4	2198.4	2194.5	2196.4	2186.5	2196.4
5°	2174.6	2176.6	2178.6	2174.6	2174.6	2176.6	2176.6	2172.7	2174.6	2164.7	2174.6
7.5°	2160.8	2162.7	2162.7	2156.8	2150.8	2154.8	2154.8	2150.8	2152.8	2142.9	2154.8
10°	2148.9	2148.9	2146.9	2135.0	2129.0	2135.0	2137.0	2139.0	2146.9	2139.0	2152.8
12.5°	2156.8	2156.8	2150.8	2135.0	2125.1	2129.0	2133.0	2137.0	2150.8	2148.9	2164.7
15°	2178.6	2180.6	2164.7	2146.9	2140.9	2146.9	2142.9	2140.9	2158.8	2164.7	2182.6
17.5°	2196.4	2196.4	2176.6	2158.8	2160.8	2170.7	2162.7	2152.8	2170.7	2182.6	2202.4
20°	2212.3	2210.3	2188.5	2176.6	2184.5	2198.4	2192.5	2178.6	2190.5	2204.4	2222.2
22.5°	2251.9	2250.0	2226.2	2220.2	2228.2	2242.0	2236.1	2224.2	2238.1	2257.9	2279.7
25°	2364.9	2361.0	2325.3	2305.5	2301.5	2311.4	2309.4	2305.5	2327.3	2351.1	2376.8
27.5°	2515.6	2513.6	2487.8	2468.0	2442.3	2434.3	2440.3	2458.1	2489.8	2507.7	2529.5
30°	2590.9	2590.9	2587.0	2618.7	2674.2	2727.7	2686.1	2618.7	2590.9	2583.0	2604.8
32.5°	2690.0	2700.0	2686.1	2721.8	2814.9	2894.2	2814.9	2705.9	2686.1	2686.1	2709.9
35°	2918.0	2922.0	2900.2	2894.2	2924.0	2933.9	2896.2	2856.6	2878.4	2882.3	2912.1
37.5°	3100.4	3100.4	3090.5	3106.3	3167.8	3205.5	3144.0	3072.6	3078.6	3082.5	3120.2
40°	3381.9	3389.8	3366.0	3364.0	3387.8	3421.5	3356.1	3310.5	3342.2	3352.1	3409.6
42.5°	3732.8	3732.8	3697.1	3687.2	3703.0	3738.7	3677.3	3647.5	3689.1	3697.1	3730.8
45°	4151.0	4160.9	4113.4	4095.5	4103.5	4115.4	4071.7	4057.9	4097.5	4115.4	4174.8
47.5°	4660.5	4670.4	4628.8	4626.8	4618.9	4626.8	4585.2	4577.2	4609.0	4595.1	4658.5
50°	5288.9	5306.7	5271.1	5320.6	5314.7	5338.5	5281.0	5239.3	5239.3	5201.7	5237.4
52.5°	5992.6	6028.3	6046.2	6129.4	6192.9	6252.3	6157.2	6091.8	5996.6	5919.3	6016.4
55°	6759.8	6749.9	6862.9	7045.3	7231.6	7372.3	7186.0	6979.8	6825.2	6664.6	6702.3
57.5°	7431.8	7465.5	7614.2	7947.2	8315.9	8613.3	8278.3	7881.8	7530.9	7301.0	7332.7
60°	7990.8	8018.6	8216.8	8696.6	9340.8	9751.2	9219.9	8565.7	8056.3	7739.1	7772.8
62.5°	8506.2	8532.0	8732.2	9261.5	10074.3	10609.5	9923.6	9029.6	8462.6	8143.5	8163.3
65°	8803.6	8819.5	9093.0	9650.1	10506.4	11059.5	10286.4	9364.6	8807.6	8482.5	8494.4
67.5°	8262.4	8288.2	8865.1	9634.2	10589.7	11067.4	10302.3	9374.5	8748.1	8323.9	8333.8
70°	6518.0	6496.1	7184.0	8506.2	10111.9	10734.4	9844.3	8670.8	7703.4	7110.7	7100.8
72.5°	4969.7	4975.7	5358.3	6264.2	8244.6	9905.8	8686.6	6981.8	5939.1	5489.1	5471.3
75°	3603.9	3659.4	3970.6	4634.7	5766.6	7404.1	6539.8	5173.9	4476.1	4206.5	4166.9
77.5°	1623.5	1694.9	2129.0	2910.1	3855.7	4091.6	4107.4	3512.7	2650.4	2202.4	2133.0
80°	473.8	507.5	652.2	1116.1	1796.0	2321.3	1843.6	1550.2	965.4	757.3	721.6
82.5°	200.2	228.0	279.5	309.2	521.4	1076.4	670.0	426.2	396.5	321.1	293.4
85°	85.2	91.2	117.0	124.9	168.5	230.0	212.1	192.3	184.4	142.7	130.8
87.5°	35.7	35.7	35.7	31.7	29.7	31.7	43.6	55.5	73.3	57.5	53.5
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)