

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: P635541

Luminaire Tested: GWS-SA3E-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635541
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-SA3E-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11398.8 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

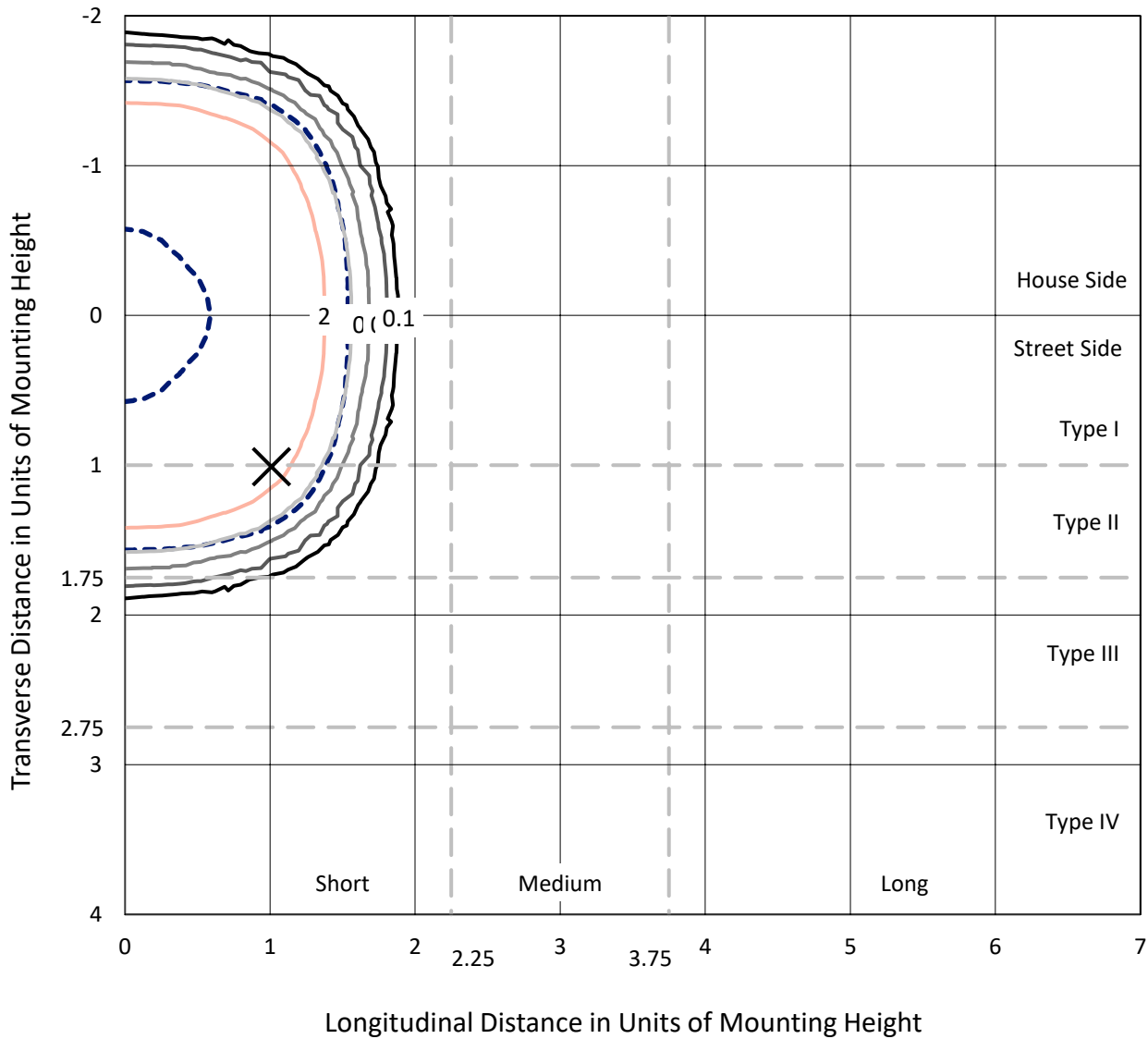
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

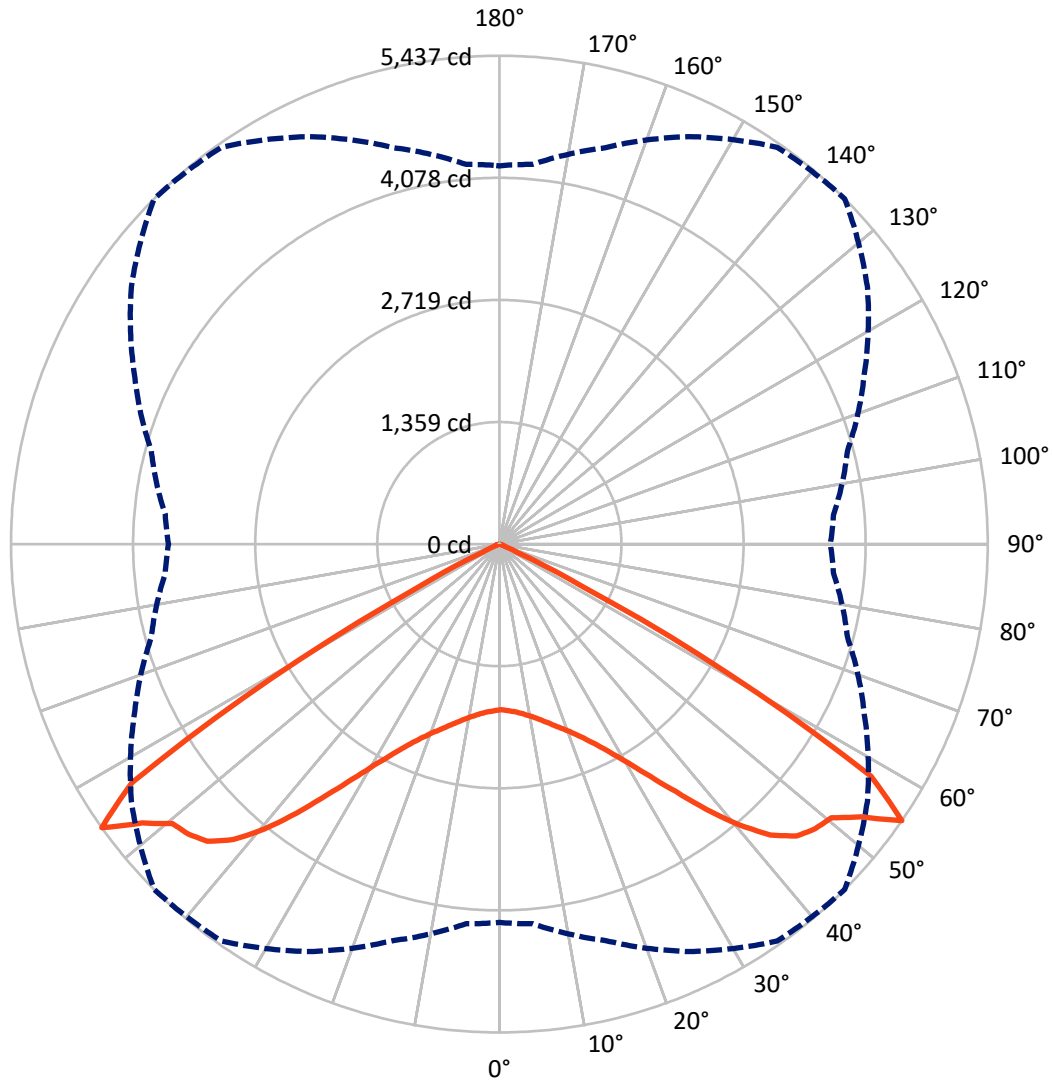
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.7 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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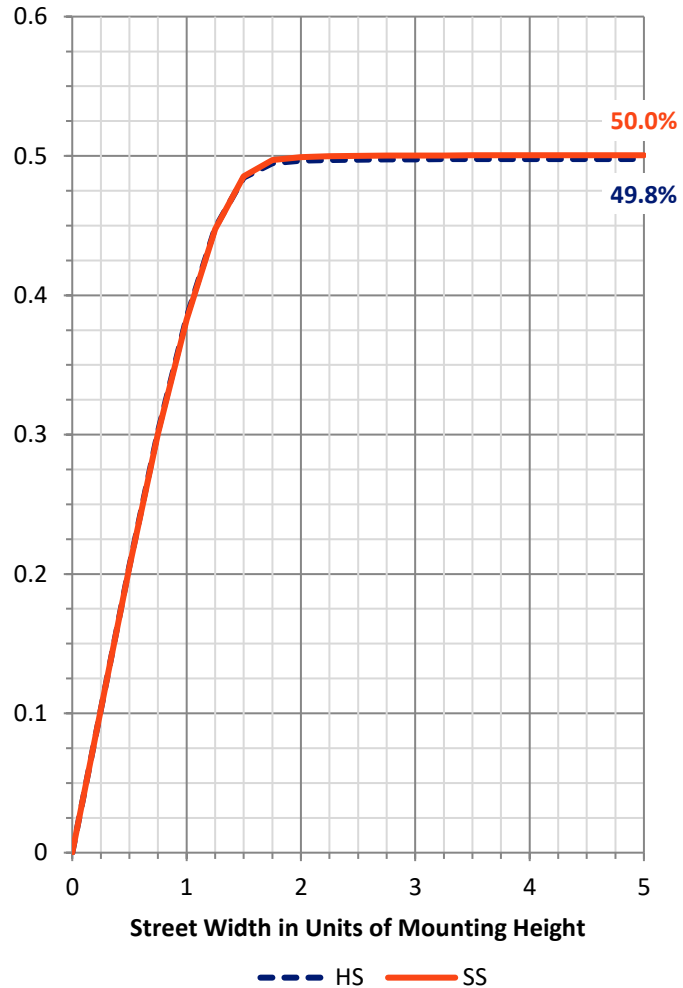
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5699.4	0.0	5699.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5699.4	0.0	5699.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	11398.8	0.0	11398.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.6	1.6
10°-20°	585.3	5.1
20°-30°	1133.6	9.9
30°-40°	2030.8	17.8
40°-50°	3404.8	29.9
50°-60°	3644.7	32.0
60°-70°	400.5	3.5
70°-80°	17.6	0.2
80°-90°	0.8	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°	11398.8	100.0
0°-180°	11398.8	100.0

Coefficient of Utilization



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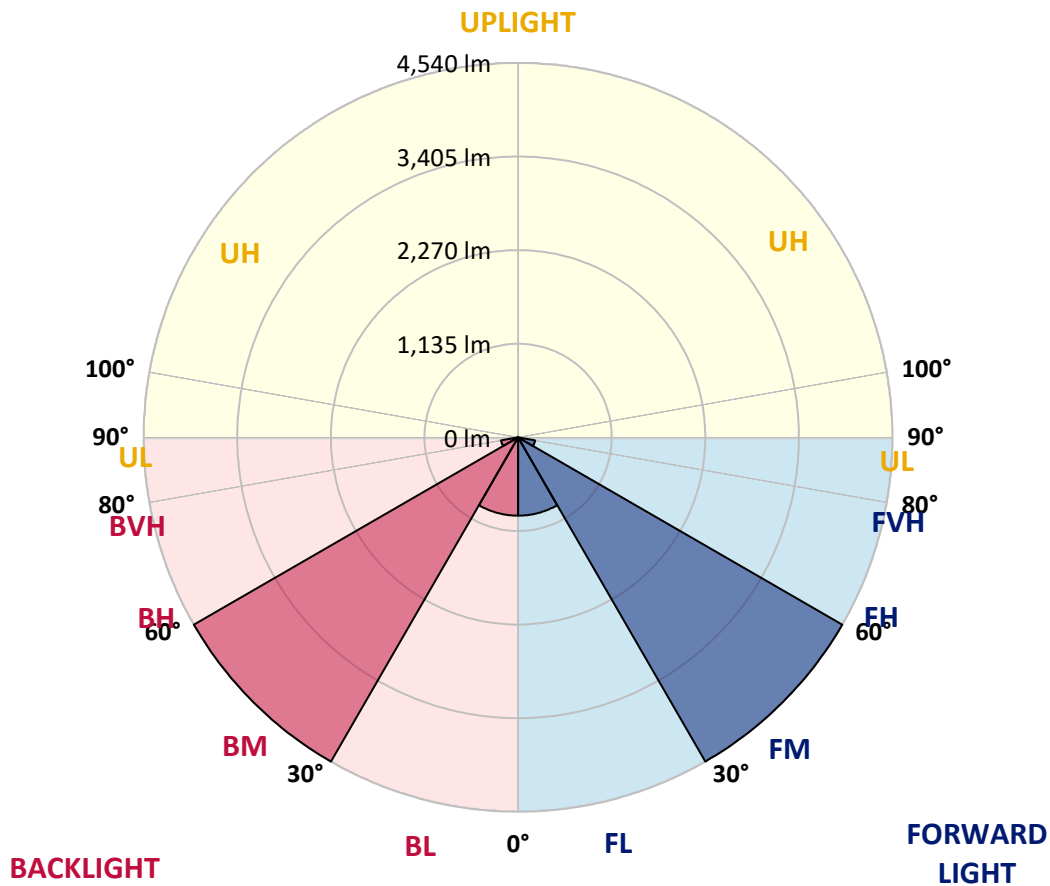
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	949.7	8.3			
FM (30°-60°)	4540.2	39.8			
FH (60°-80°)	209.1	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	949.7	8.3	B2/1000		
BM (30°-60°)	4540.2	39.8	B3/5000		
BH (60°-80°)	209.1	1.8	B1/500		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°	1843.0	1843.0	1843.0	1843.0	1843.0	1843.0	1843.0	1843.0	1843.0	1843.0	1843.0
2.5°	1839.5	1839.5	1844.1	1847.6	1847.6	1856.9	1853.4	1849.9	1849.9	1845.3	1854.6
5°	1866.2	1865.0	1869.7	1872.0	1867.4	1876.6	1870.8	1867.4	1865.0	1860.4	1869.7
7.5°	1895.2	1896.4	1897.5	1902.2	1899.9	1909.2	1904.5	1897.5	1895.2	1888.3	1897.5
10°	1930.1	1930.1	1932.4	1938.2	1939.4	1951.0	1946.3	1938.2	1931.2	1924.3	1933.5
12.5°	1974.2	1975.4	1978.8	1987.0	1991.6	2004.4	1997.4	1981.2	1970.7	1962.6	1973.0
15°	2038.1	2036.9	2041.5	2053.2	2059.0	2068.3	2057.8	2035.7	2023.0	2013.7	2020.6
17.5°	2107.7	2107.7	2110.1	2121.7	2129.8	2143.7	2131.0	2104.3	2092.6	2079.9	2086.8
20°	2184.4	2187.9	2190.2	2198.3	2212.3	2226.2	2215.7	2189.0	2176.3	2160.0	2168.1
22.5°	2285.4	2281.9	2283.1	2297.0	2316.8	2330.7	2322.6	2291.2	2269.2	2256.4	2261.0
25°	2398.1	2396.9	2400.4	2421.3	2443.4	2458.4	2446.8	2406.2	2384.1	2362.1	2371.4
27.5°	2536.3	2537.4	2539.7	2565.3	2600.1	2622.2	2593.2	2552.5	2522.3	2493.3	2500.3
30°	2700.0	2697.7	2704.6	2739.5	2790.6	2825.4	2791.7	2734.8	2691.9	2664.0	2667.5
32.5°	2874.2	2876.5	2895.1	2950.8	3018.2	3079.7	3011.2	2935.7	2880.0	2827.7	2834.7
35°	3062.3	3068.1	3109.9	3192.4	3302.7	3385.2	3289.9	3165.7	3086.7	3019.4	3021.7
37.5°	3284.1	3298.1	3356.1	3479.2	3637.2	3747.5	3608.1	3443.2	3341.0	3257.4	3251.6
40°	3575.6	3591.9	3670.8	3817.2	4008.8	4109.8	3948.4	3778.8	3652.3	3561.7	3547.7
42.5°	3910.1	3931.0	4016.9	4166.7	4358.3	4426.8	4268.9	4126.1	4012.3	3905.4	3900.8
45°	4287.5	4299.1	4368.8	4483.7	4621.9	4638.2	4519.7	4440.8	4325.8	4225.9	4217.8
47.5°	4641.7	4653.3	4700.9	4760.1	4792.6	4734.6	4713.7	4678.8	4530.2	4407.1	4381.5
50°	4911.1	4920.4	4979.6	5002.8	4912.3	4789.2	4829.8	4755.5	4594.1	4455.9	4416.4
52.5°	4892.5	4915.7	5067.9	5200.3	5143.4	5043.5	4934.3	4774.1	4523.2	4333.9	4285.2
55°	4212.0	4243.4	4569.7	5005.2	5394.2	5437.2	5000.5	4483.7	4012.3	3734.7	3684.8
57.5°	2707.0	2715.1	3113.4	3724.3	4601.0	4877.4	4147.0	3380.5	2794.1	2488.6	2467.7
60°	995.2	979.0	1279.7	1786.1	2650.1	2942.7	2441.0	1709.4	1219.4	1003.4	985.9
62.5°	239.2	241.5	299.6	449.4	831.5	1028.9	812.9	454.1	289.2	242.7	240.4
65°	120.8	118.5	119.6	128.9	177.7	212.5	174.2	123.1	118.5	119.6	118.5
67.5°	77.8	76.6	79.0	80.1	79.0	74.3	73.2	75.5	75.5	76.6	74.3
70°	47.6	46.5	48.8	52.3	49.9	44.1	46.5	48.8	46.5	45.3	45.3
72.5°	25.5	25.5	27.9	30.2	27.9	25.5	25.5	26.7	25.5	25.5	25.5
75°	11.6	11.6	12.8	13.9	11.6	11.6	11.6	11.6	11.6	11.6	11.6
77.5°	3.5	3.5	4.6	4.6	3.5	3.5	3.5	3.5	4.6	4.6	4.6
80°	1.2	2.3	2.3	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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)