

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: P636371

Luminaire Tested: GWS-SA3F-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636371
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-SA3F-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25008.5 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

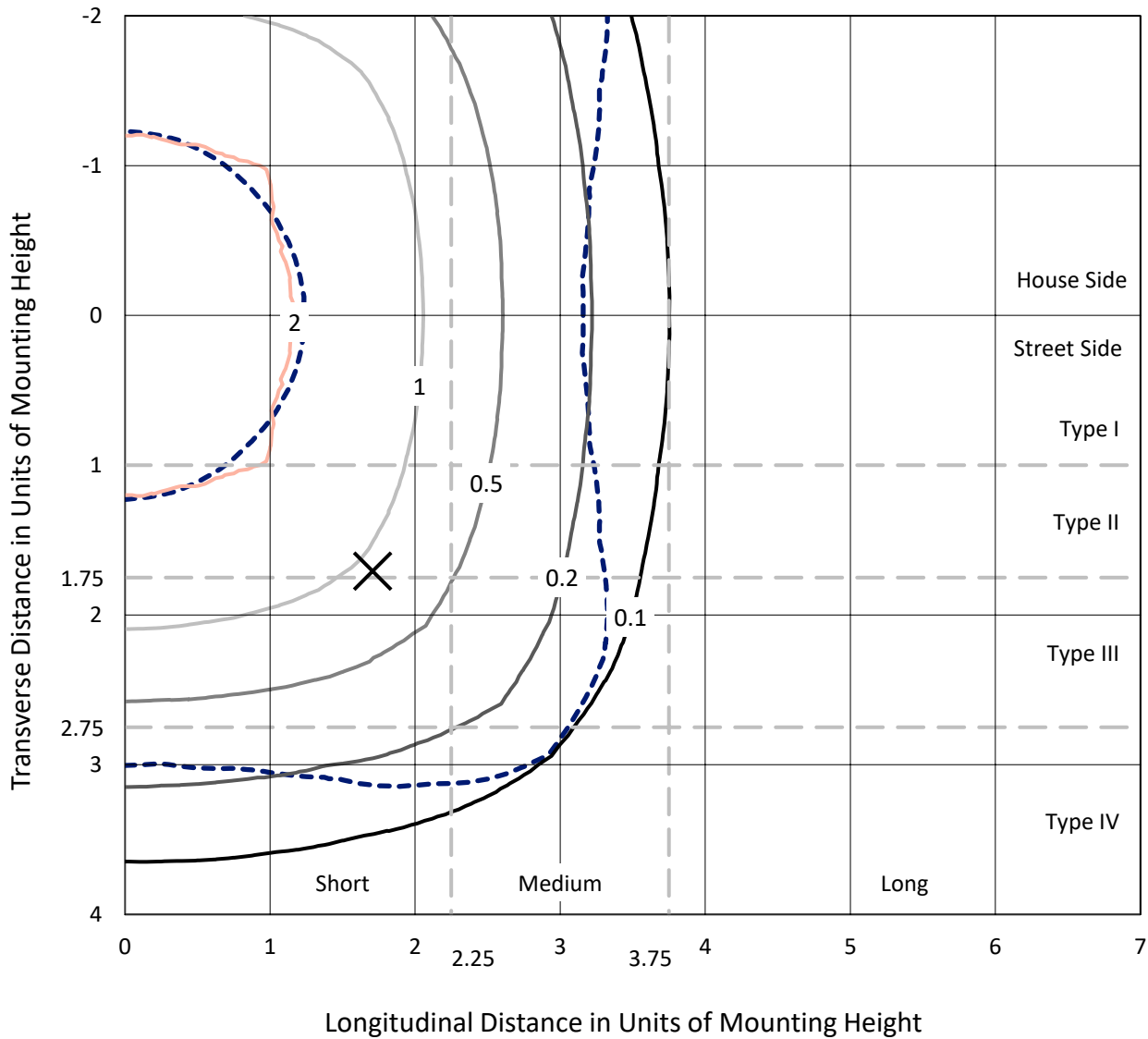
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

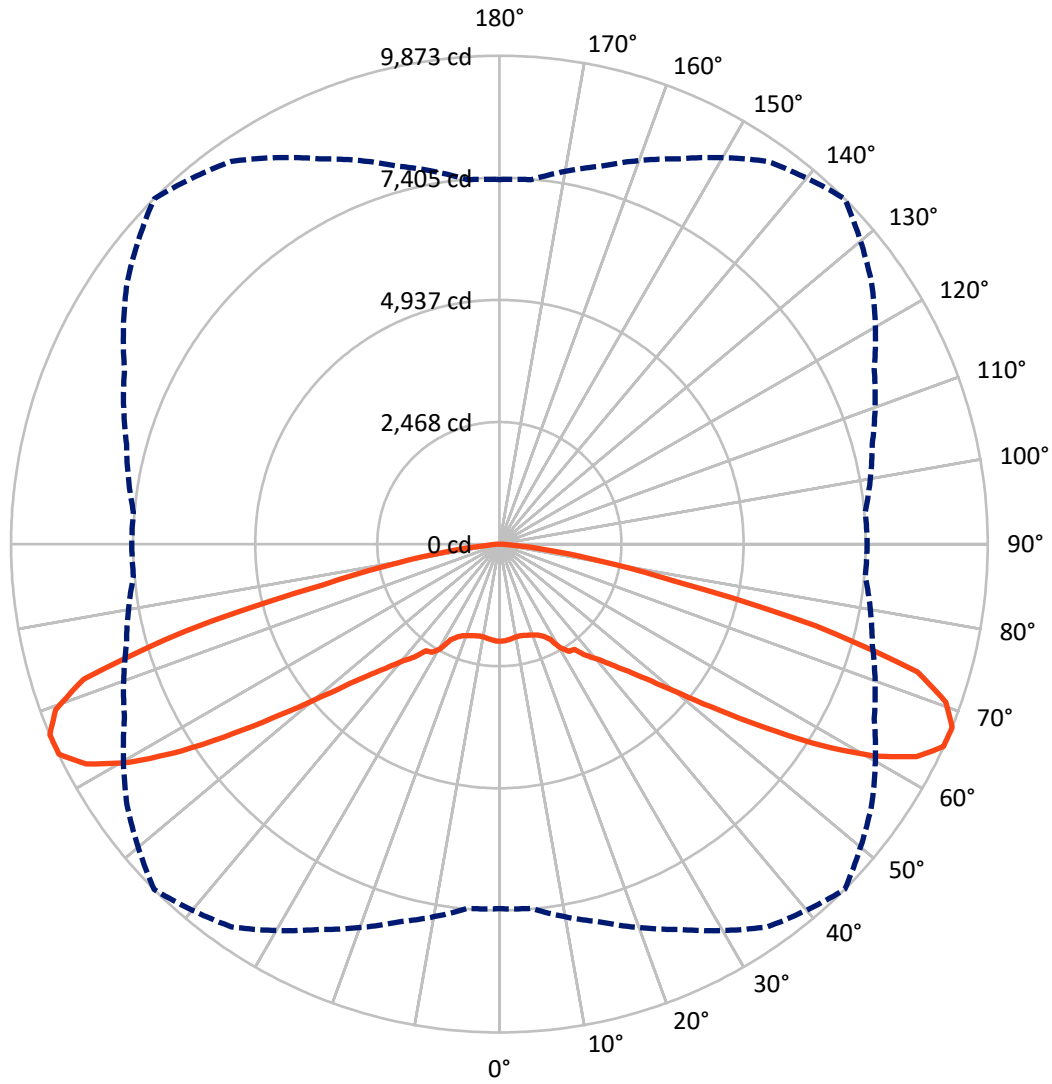
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	12504.3	0.0	12504.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12504.3	0.0	12504.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	25008.5	0.0	25008.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.1	0.7
10°-20°	546.5	2.2
20°-30°	980.2	3.9
30°-40°	1655.9	6.6
40°-50°	2909.4	11.6
50°-60°	5612.4	22.4
60°-70°	8142.9	32.6
70°-80°	4659.0	18.6
80°-90°	318.0	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°	25008.5	100.0
0°-180°	25008.5	100.0

Coefficient of Utilization



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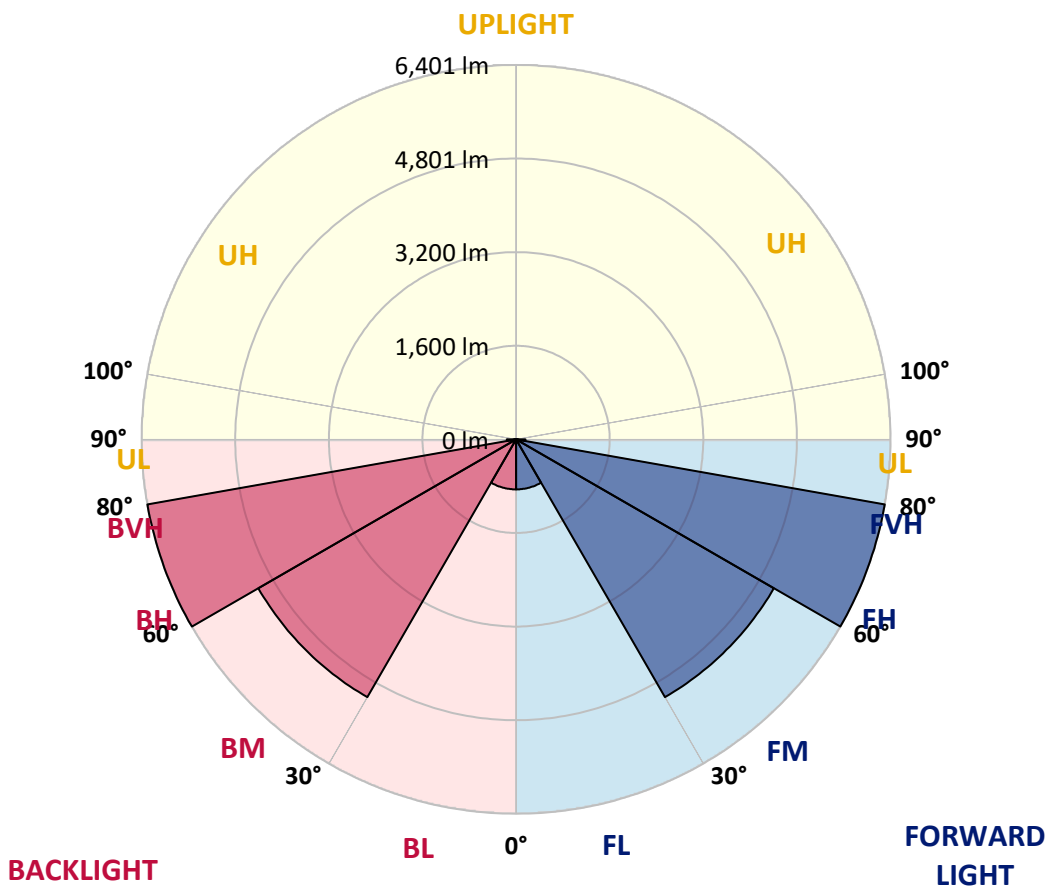
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	855.4	3.4			
FM (30°-60°)	5088.9	20.3			
FH (60°-80°)	6400.9	25.6			G3/7500
FVH (80°-90°)	159.0	0.6			G2/225
BL (0°-30°)	855.4	3.4	B2/1000		
BM (30°-60°)	5088.9	20.3	B4/8500		
BH (60°-80°)	6400.9	25.6	B5		G3/7500
BVH (80°-90°)	159.0	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°	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2
2.5°	1945.3	1947.0	1950.6	1950.6	1954.1	1959.4	1961.2	1957.6	1959.4	1950.6	1959.4
5°	1940.0	1941.7	1943.5	1940.0	1940.0	1941.7	1941.7	1938.2	1940.0	1931.1	1940.0
7.5°	1927.6	1929.3	1929.3	1924.0	1918.7	1922.3	1922.3	1918.7	1920.5	1911.7	1922.3
10°	1917.0	1917.0	1915.2	1904.6	1899.3	1904.6	1906.4	1908.1	1915.2	1908.1	1920.5
12.5°	1924.0	1924.0	1918.7	1904.6	1895.7	1899.3	1902.8	1906.4	1918.7	1917.0	1931.1
15°	1943.5	1945.3	1931.1	1915.2	1909.9	1915.2	1911.7	1909.9	1925.8	1931.1	1947.0
17.5°	1959.4	1959.4	1941.7	1925.8	1927.6	1936.4	1929.3	1920.5	1936.4	1947.0	1964.7
20°	1973.6	1971.8	1952.3	1941.7	1948.8	1961.2	1955.9	1943.5	1954.1	1966.5	1982.4
22.5°	2008.9	2007.2	1985.9	1980.6	1987.7	2000.1	1994.8	1984.2	1996.5	2014.2	2033.7
25°	2109.7	2106.2	2074.4	2056.7	2053.1	2062.0	2060.2	2056.7	2076.1	2097.3	2120.3
27.5°	2244.1	2242.4	2219.4	2201.7	2178.7	2171.6	2176.9	2192.8	2221.1	2237.1	2256.5
30°	2311.3	2311.3	2307.8	2336.1	2385.6	2433.3	2396.2	2336.1	2311.3	2304.3	2323.7
32.5°	2399.7	2408.6	2396.2	2428.0	2511.2	2581.9	2511.2	2413.9	2396.2	2396.2	2417.4
35°	2603.1	2606.6	2587.2	2581.9	2608.4	2617.3	2583.7	2548.3	2567.7	2571.3	2597.8
37.5°	2765.8	2765.8	2757.0	2771.1	2825.9	2859.5	2804.7	2741.0	2746.4	2749.9	2783.5
40°	3016.9	3024.0	3002.8	3001.0	3022.2	3052.3	2993.9	2953.3	2981.6	2990.4	3041.7
42.5°	3329.9	3329.9	3298.1	3289.3	3303.4	3335.2	3280.4	3253.9	3291.0	3298.1	3328.2
45°	3703.1	3711.9	3669.5	3653.6	3660.6	3671.2	3632.3	3620.0	3655.3	3671.2	3724.3
47.5°	4157.6	4166.4	4129.3	4127.5	4120.4	4127.5	4090.4	4083.3	4111.6	4099.2	4155.8
50°	4718.1	4734.1	4702.2	4746.4	4741.1	4762.4	4711.1	4673.9	4673.9	4640.3	4672.2
52.5°	5345.9	5377.8	5393.7	5468.0	5524.5	5577.6	5492.7	5434.4	5349.5	5280.5	5367.2
55°	6030.3	6021.5	6122.3	6285.0	6451.2	6576.8	6410.5	6226.6	6088.7	5945.4	5979.0
57.5°	6629.8	6659.9	6792.5	7089.6	7418.5	7683.8	7384.9	7031.2	6718.2	6513.1	6541.4
60°	7128.5	7153.3	7330.1	7758.1	8332.8	8698.9	8224.9	7641.3	7186.9	6903.9	6934.0
62.5°	7588.3	7611.3	7789.9	8262.1	8987.1	9464.6	8852.7	8055.1	7549.4	7264.7	7282.4
65°	7853.5	7867.7	8111.7	8608.7	9372.6	9866.0	9176.3	8354.0	7857.1	7567.1	7577.7
67.5°	7370.8	7393.8	7908.4	8594.5	9446.9	9873.1	9190.5	8362.9	7804.0	7425.6	7434.4
70°	5814.6	5795.1	6408.8	7588.3	9020.7	9576.0	8782.0	7735.1	6872.1	6343.3	6334.5
72.5°	4433.4	4438.7	4780.0	5588.2	7354.9	8836.8	7749.2	6228.4	5298.2	4896.8	4880.8
75°	3215.0	3264.5	3542.1	4134.6	5144.3	6605.0	5834.0	4615.6	3993.1	3752.6	3717.2
77.5°	1448.3	1512.0	1899.3	2596.0	3439.6	3650.0	3664.2	3133.6	2364.4	1964.7	1902.8
80°	422.7	452.7	581.8	995.6	1602.2	2070.8	1644.6	1382.9	861.2	675.5	643.7
82.5°	178.6	203.4	249.3	275.9	465.1	960.3	597.7	380.2	353.7	286.5	261.7
85°	76.0	81.3	104.3	111.4	150.3	205.1	189.2	171.5	164.5	127.3	116.7
87.5°	31.8	31.8	31.8	28.3	26.5	28.3	38.9	49.5	65.4	51.3	47.7
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)