

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: P637856

Luminaire Tested: GWS-SA4D-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637856
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-SA4D-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25047.8 lumens
Efficiency: N/A
Efficacy: 154.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

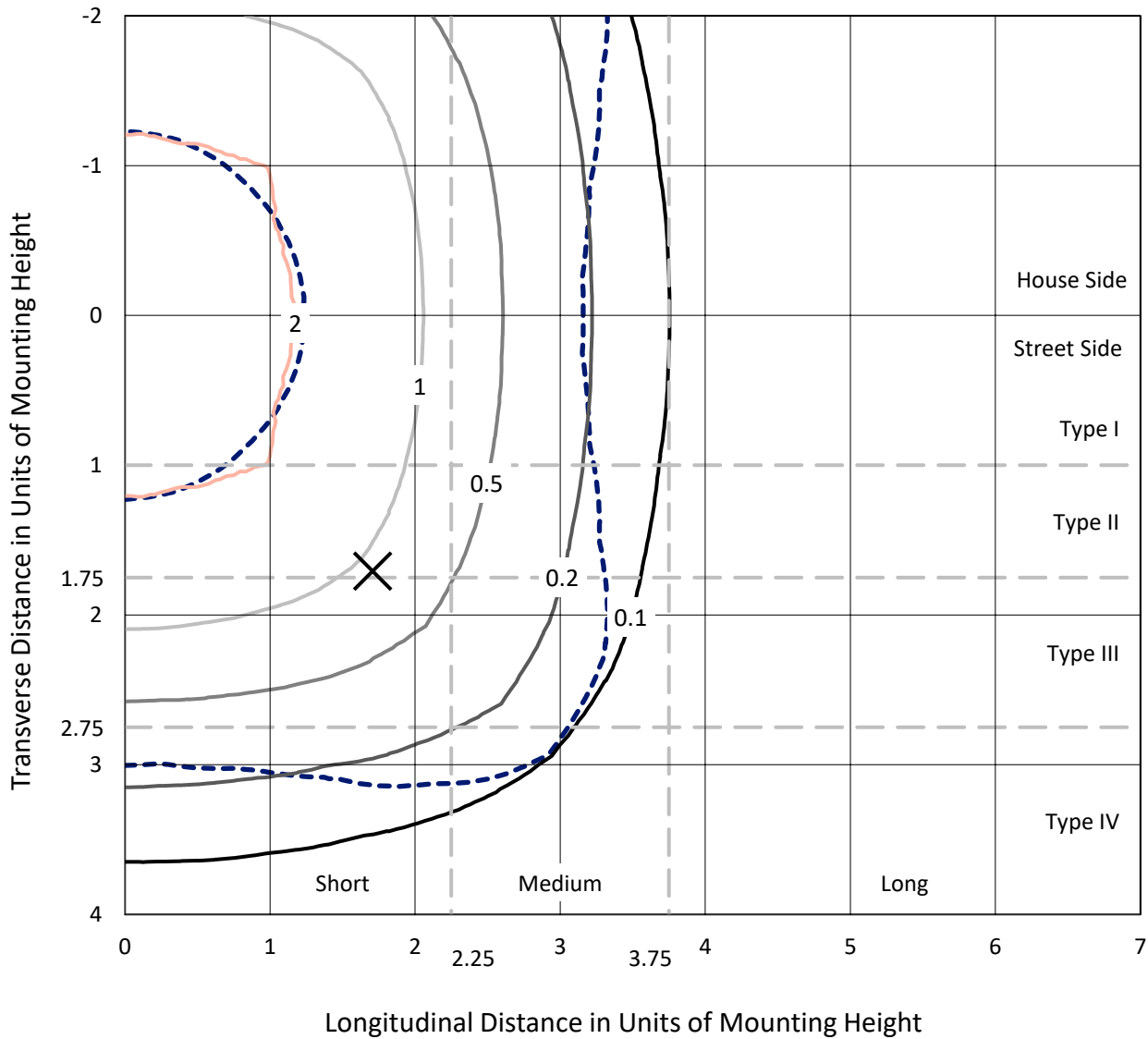
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

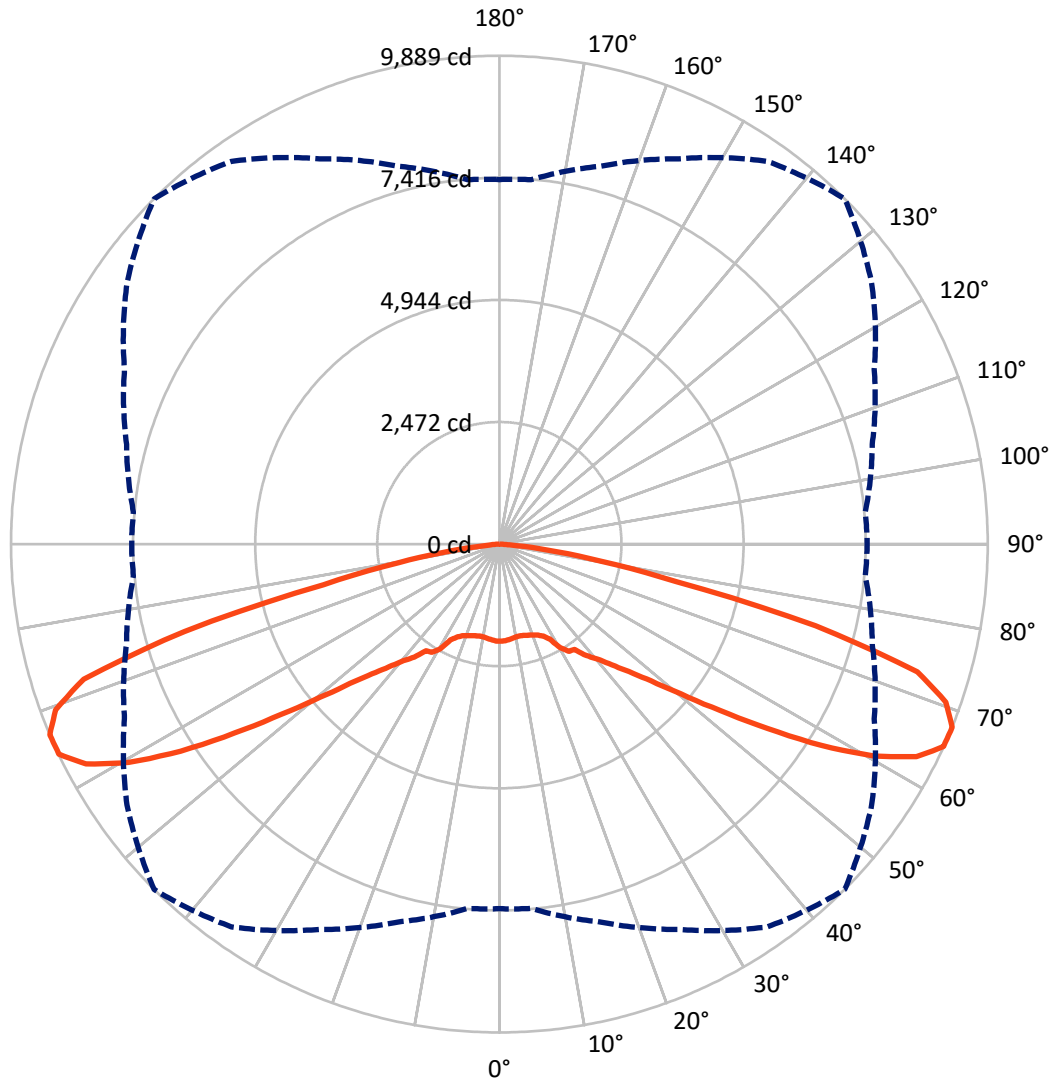
✕ Max cd
 - - - 1/2 Max cd



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	12523.9	0.0	12523.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12523.9	0.0	12523.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	25047.8	0.0	25047.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	0.7
10°-20°	547.3	2.2
20°-30°	981.8	3.9
30°-40°	1658.5	6.6
40°-50°	2914.0	11.6
50°-60°	5621.2	22.4
60°-70°	8155.7	32.6
70°-80°	4666.3	18.6
80°-90°	318.5	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°	25047.8	100.0
0°-180°	25047.8	100.0

Coefficient of Utilization



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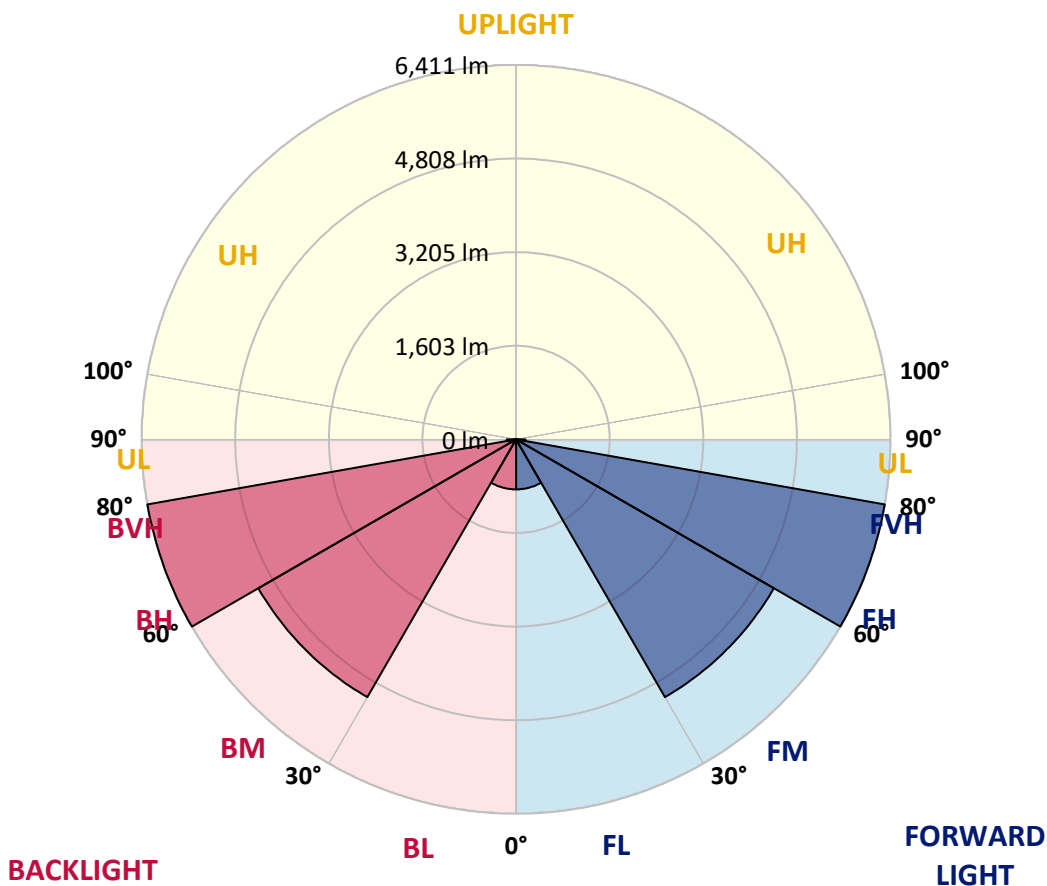
CATALOG NUMBER: GWS-SA4D-760-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	856.8	3.4			
FM (30°-60°)	5096.9	20.3			
FH (60°-80°)	6411.0	25.6			G3/7500
FVH (80°-90°)	159.2	0.6			G2/225
BL (0°-30°)	856.8	3.4	B2/1000		
BM (30°-60°)	5096.9	20.3	B4/8500		
BH (60°-80°)	6411.0	25.6	B5		G3/7500
BVH (80°-90°)	159.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		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°	1964.3	1964.3	1964.3	1964.3	1964.3	1964.3	1964.3	1964.3	1964.3	1964.3	1964.3
2.5°	1948.3	1950.1	1953.6	1953.6	1957.2	1962.5	1964.3	1960.7	1962.5	1953.6	1962.5
5°	1943.0	1944.8	1946.5	1943.0	1943.0	1944.8	1944.8	1941.2	1943.0	1934.1	1943.0
7.5°	1930.6	1932.4	1932.4	1927.1	1921.8	1925.3	1925.3	1921.8	1923.5	1914.7	1925.3
10°	1920.0	1920.0	1918.2	1907.6	1902.3	1907.6	1909.4	1911.1	1918.2	1911.1	1923.5
12.5°	1927.1	1927.1	1921.8	1907.6	1898.7	1902.3	1905.8	1909.4	1921.8	1920.0	1934.1
15°	1946.5	1948.3	1934.1	1918.2	1912.9	1918.2	1914.7	1912.9	1928.8	1934.1	1950.1
17.5°	1962.5	1962.5	1944.8	1928.8	1930.6	1939.5	1932.4	1923.5	1939.5	1950.1	1967.8
20°	1976.7	1974.9	1955.4	1944.8	1951.9	1964.3	1958.9	1946.5	1957.2	1969.6	1985.5
22.5°	2012.1	2010.3	1989.1	1983.7	1990.8	2003.2	1997.9	1987.3	1999.7	2017.4	2036.9
25°	2113.0	2109.5	2077.6	2059.9	2056.4	2065.2	2063.4	2059.9	2079.4	2100.6	2123.7
27.5°	2247.7	2245.9	2222.9	2205.1	2182.1	2175.0	2180.3	2196.3	2224.6	2240.6	2260.0
30°	2315.0	2315.0	2311.4	2339.8	2389.3	2437.2	2400.0	2339.8	2315.0	2307.9	2327.4
32.5°	2403.5	2412.4	2400.0	2431.9	2515.1	2585.9	2515.1	2417.7	2400.0	2400.0	2421.2
35°	2607.2	2610.7	2591.3	2585.9	2612.5	2621.4	2587.7	2552.3	2571.8	2575.3	2601.9
37.5°	2770.2	2770.2	2761.3	2775.5	2830.4	2864.0	2809.1	2745.4	2750.7	2754.2	2787.9
40°	3021.7	3028.7	3007.5	3005.7	3027.0	3057.1	2998.6	2957.9	2986.2	2995.1	3046.5
42.5°	3335.2	3335.2	3303.3	3294.4	3308.6	3340.5	3285.6	3259.0	3296.2	3303.3	3333.4
45°	3708.9	3717.7	3675.2	3659.3	3666.4	3677.0	3638.0	3625.6	3661.1	3677.0	3730.1
47.5°	4164.1	4172.9	4135.7	4134.0	4126.9	4134.0	4096.8	4089.7	4118.0	4105.6	4162.3
50°	4725.6	4741.5	4709.6	4753.9	4748.6	4769.8	4718.5	4681.3	4681.3	4647.6	4679.5
52.5°	5354.3	5386.2	5402.2	5476.5	5533.2	5586.4	5501.3	5442.9	5357.9	5288.8	5375.6
55°	6039.8	6030.9	6131.9	6294.8	6461.3	6587.1	6420.6	6236.4	6098.2	5954.8	5988.4
57.5°	6640.2	6670.3	6803.2	7100.7	7430.2	7695.9	7396.5	7042.3	6728.8	6523.3	6551.7
60°	7139.7	7164.5	7341.6	7770.2	8345.9	8712.5	8237.8	7653.3	7198.1	6914.8	6944.9
62.5°	7600.2	7623.2	7802.1	8275.0	9001.2	9479.5	8866.6	8067.8	7561.2	7276.1	7293.8
65°	7865.9	7880.1	8124.5	8622.2	9387.4	9881.5	9190.7	8367.1	7869.4	7579.0	7589.6
67.5°	7382.4	7405.4	7920.8	8608.0	9461.7	9888.6	9204.9	8376.0	7816.3	7437.3	7446.1
70°	5823.7	5804.2	6418.8	7600.2	9034.9	9591.0	8795.8	7747.2	6882.9	6353.3	6344.4
72.5°	4440.4	4445.7	4787.5	5597.0	7366.4	8850.7	7761.4	6238.2	5306.5	4904.4	4888.5
75°	3220.0	3269.6	3547.7	4141.1	5152.4	6615.4	5843.2	4622.8	3999.4	3758.5	3723.1
77.5°	1450.6	1514.4	1902.3	2600.1	3445.0	3655.8	3669.9	3138.6	2368.1	1967.8	1905.8
80°	423.3	453.4	582.7	997.2	1604.7	2074.1	1647.2	1385.1	862.6	676.6	644.7
82.5°	178.9	203.7	249.7	276.3	465.8	961.8	598.7	380.8	354.2	286.9	262.1
85°	76.2	81.5	104.5	111.6	150.6	205.5	189.5	171.8	164.7	127.5	116.9
87.5°	31.9	31.9	31.9	28.3	26.6	28.3	39.0	49.6	65.5	51.4	47.8
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)