

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: P636863

Luminaire Tested: GWS-SA4B-760-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636863  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4B-760-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (64) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

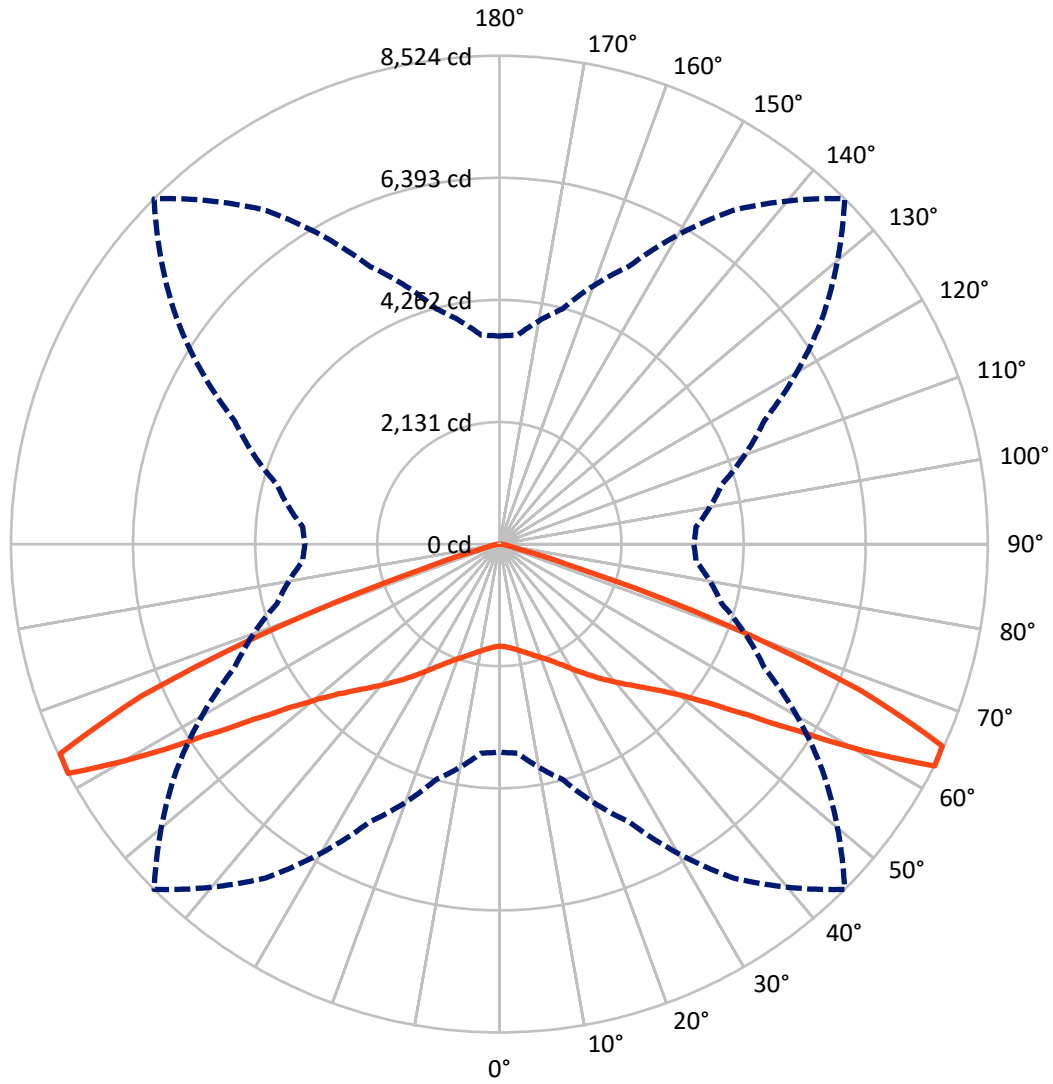
Lumens per Lamp: N/A  
Luminaire Lumens: 15263.1 lumens  
Efficiency: N/A  
Efficacy: 161.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7631.6	0.0	7631.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7631.6	0.0	7631.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15263.1	0.0	15263.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.7	1.1
10°-20°	563.4	3.7
20°-30°	1065.9	7.0
30°-40°	1794.0	11.8
40°-50°	2866.3	18.8
50°-60°	4620.4	30.3
60°-70°	3769.7	24.7
70°-80°	366.1	2.4
80°-90°	42.6	0.3
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°	15263.1	100.0
0°-180°	15263.1	100.0

**Coefficient of Utilization**



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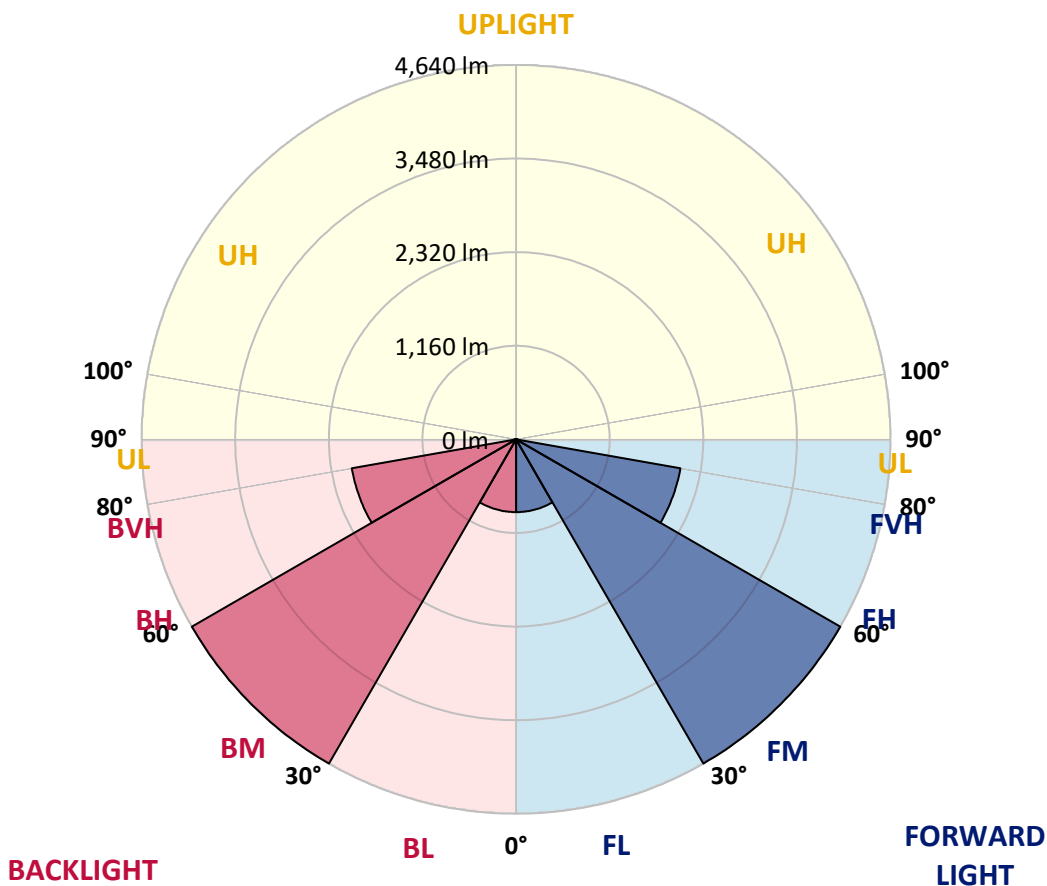
CATALOG NUMBER: GWS-SA4B-760-U-5NQ-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	902.0	5.9			
FM (30°-60°)	4640.4	30.4			
FH (60°-80°)	2067.9	13.5			G2/5000
FVH (80°-90°)	21.3	0.1			G1/100
BL (0°-30°)	902.0	5.9	B2/1000		
BM (30°-60°)	4640.4	30.4	B3/5000		
BH (60°-80°)	2067.9	13.5	B3/2500		G2/5000
BVH (80°-90°)	21.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1780.6	1780.6	1780.6	1780.6	1780.6	1780.6	1780.6	1780.6	1780.6	1780.6	1780.6
2.5°	1778.6	1778.6	1782.7	1785.9	1783.8	1792.2	1791.1	1789.0	1788.0	1784.8	1794.3
5°	1802.6	1802.6	1805.8	1808.9	1803.7	1814.1	1810.0	1807.9	1806.8	1802.6	1811.0
7.5°	1829.8	1833.0	1834.0	1839.3	1836.1	1847.6	1844.5	1840.3	1838.2	1833.0	1840.3
10°	1860.2	1862.3	1863.3	1872.8	1873.8	1887.4	1884.3	1879.0	1874.9	1869.6	1880.1
12.5°	1901.0	1902.1	1905.2	1916.7	1919.9	1930.3	1929.3	1922.0	1916.7	1909.4	1920.9
15°	1953.4	1954.4	1959.7	1971.2	1976.4	1989.0	1984.8	1973.3	1965.9	1957.6	1967.0
17.5°	2007.8	2012.0	2017.2	2028.7	2036.1	2050.7	2045.5	2032.9	2026.6	2018.3	2024.6
20°	2077.9	2079.0	2082.1	2094.7	2099.9	2116.7	2117.7	2105.2	2102.0	2093.6	2103.1
22.5°	2155.4	2156.5	2159.6	2173.2	2182.6	2193.1	2199.4	2192.0	2186.8	2176.3	2187.9
25°	2241.2	2251.7	2254.9	2271.6	2282.1	2288.4	2295.7	2292.5	2285.2	2272.7	2277.9
27.5°	2361.6	2363.7	2369.0	2387.8	2394.1	2400.4	2407.7	2408.7	2398.3	2383.6	2390.9
30°	2498.8	2497.7	2509.2	2523.9	2529.1	2534.4	2544.8	2551.1	2537.5	2521.8	2529.1
32.5°	2639.0	2651.6	2666.3	2679.9	2676.7	2678.8	2695.6	2707.1	2688.2	2660.0	2666.3
35°	2797.1	2805.5	2824.3	2844.2	2840.0	2836.9	2847.4	2858.9	2832.7	2796.1	2805.5
37.5°	2959.4	2971.9	3000.2	3024.3	3018.0	3003.3	3014.9	3027.4	3002.3	2960.4	2956.2
40°	3140.5	3160.4	3201.2	3221.1	3204.3	3176.1	3196.0	3226.3	3201.2	3153.0	3141.5
42.5°	3353.0	3377.1	3417.9	3448.2	3411.6	3365.5	3399.0	3443.0	3436.7	3372.9	3353.0
45°	3615.7	3631.4	3681.7	3696.3	3641.9	3578.0	3638.8	3705.8	3690.1	3621.0	3594.8
47.5°	3901.5	3925.6	3969.6	3996.8	3908.8	3829.3	3914.1	4004.1	3987.3	3922.4	3892.1
50°	4265.8	4297.2	4354.8	4377.8	4256.4	4165.3	4274.2	4388.3	4355.8	4268.9	4229.2
52.5°	4662.6	4687.7	4786.1	4832.1	4718.0	4619.6	4714.9	4826.9	4757.8	4642.7	4589.3
55°	5012.2	5037.3	5181.8	5334.6	5329.4	5261.3	5309.5	5311.6	5124.2	4933.7	4877.1
57.5°	5087.6	5112.7	5388.0	5787.9	6070.5	6149.0	6007.7	5710.4	5238.3	4904.4	4840.5
60°	4685.6	4713.8	5151.4	5882.1	6811.7	7336.1	6685.0	5702.0	4885.5	4433.3	4372.6
62.5°	3630.4	3660.7	4249.1	5346.1	7111.1	8524.3	6881.8	5102.2	4018.8	3446.1	3392.8
65°	1733.5	1733.5	2481.0	3834.5	6514.4	8496.0	6312.3	3774.8	2419.2	1858.1	1812.1
67.5°	429.2	431.3	638.6	1492.8	4431.2	6780.3	4503.4	1812.1	852.1	603.0	587.3
70°	268.0	266.9	296.3	404.1	1550.3	4115.1	1841.4	546.4	346.5	305.7	303.6
72.5°	208.3	208.3	223.0	258.6	406.2	1401.7	537.0	303.6	251.2	226.1	226.1
75°	164.4	164.4	174.8	193.7	239.7	361.2	285.8	225.1	194.7	178.0	175.9
77.5°	122.5	124.6	132.9	145.5	163.3	203.1	181.1	169.6	151.8	139.2	135.0
80°	79.6	82.7	93.2	100.5	106.8	134.0	118.3	123.5	115.2	100.5	98.4
82.5°	42.9	44.0	56.5	58.6	60.7	73.3	75.4	78.5	81.7	63.9	59.7
85°	15.7	15.7	18.8	22.0	24.1	26.2	35.6	44.0	46.1	36.6	35.6
87.5°	3.1	3.1	3.1	2.1	2.1	2.1	6.3	11.5	18.8	14.7	14.7
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)