

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: P636806

Luminaire Tested: GWS-SA4B-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636806  
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-SA4B-750-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

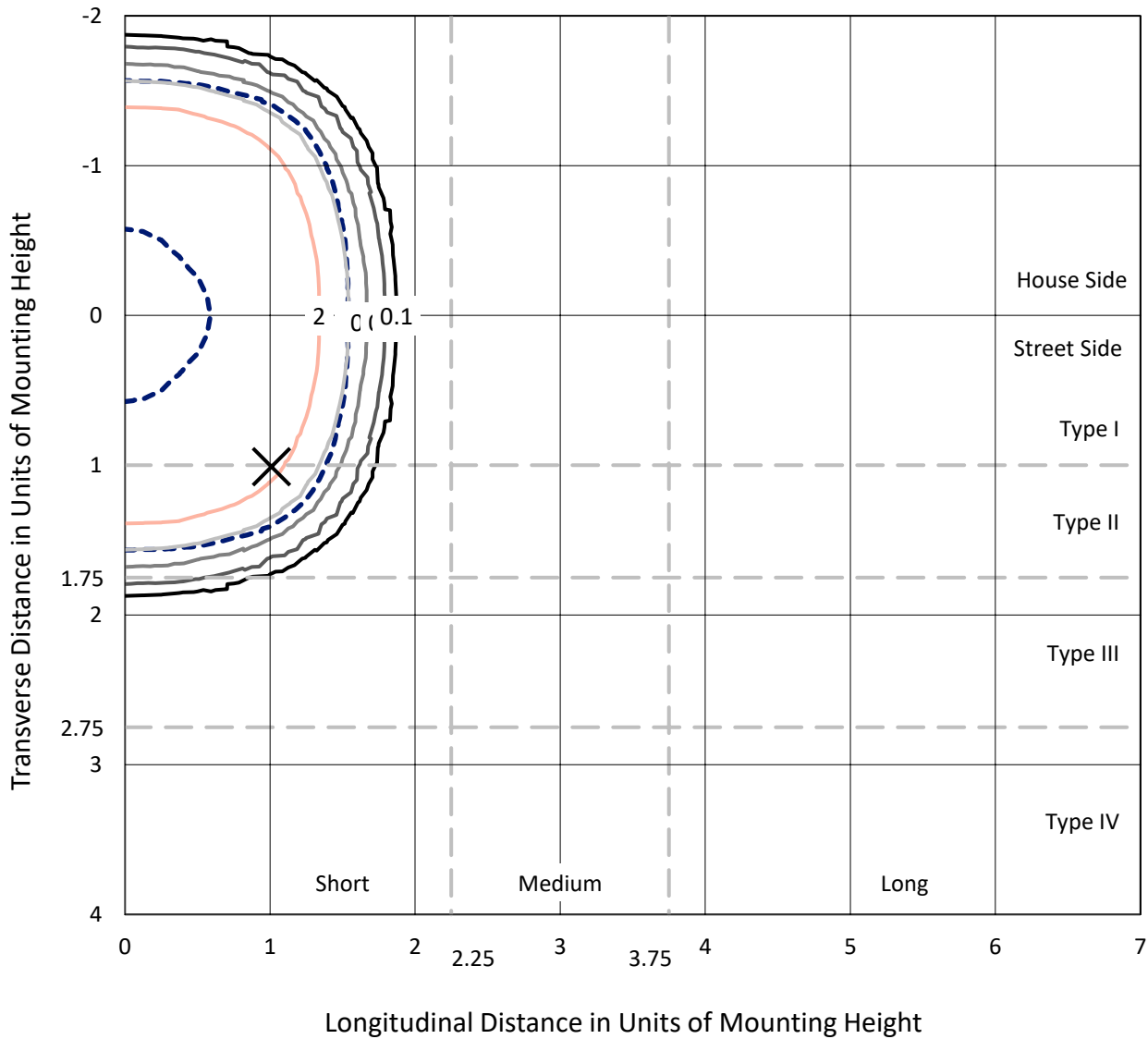
Lumens per Lamp: N/A  
Luminaire Lumens: 10418.7 lumens  
Efficiency: N/A  
Efficacy: 110.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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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### Iso-Footcandle Lines of Horizontal Illumination

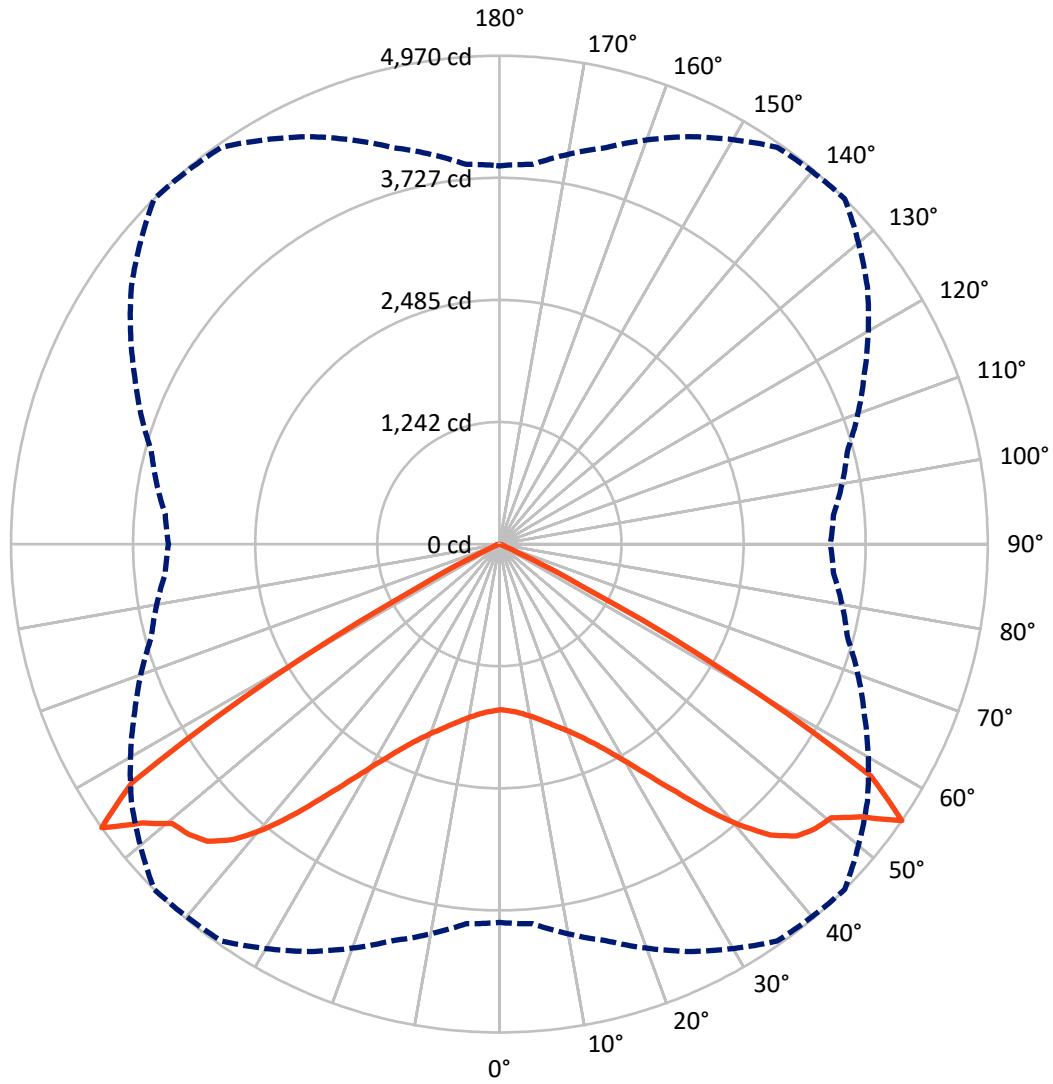
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 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
<b>House Side</b>	Lumens	5209.4	0.0	5209.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5209.4	0.0	5209.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10418.7	0.0	10418.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.0	1.6
10°-20°	535.0	5.1
20°-30°	1036.1	9.9
30°-40°	1856.2	17.8
40°-50°	3112.1	29.9
50°-60°	3331.3	32.0
60°-70°	366.1	3.5
70°-80°	16.1	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°	10418.7	100.0
0°-180°	10418.7	100.0

**Coefficient of Utilization**



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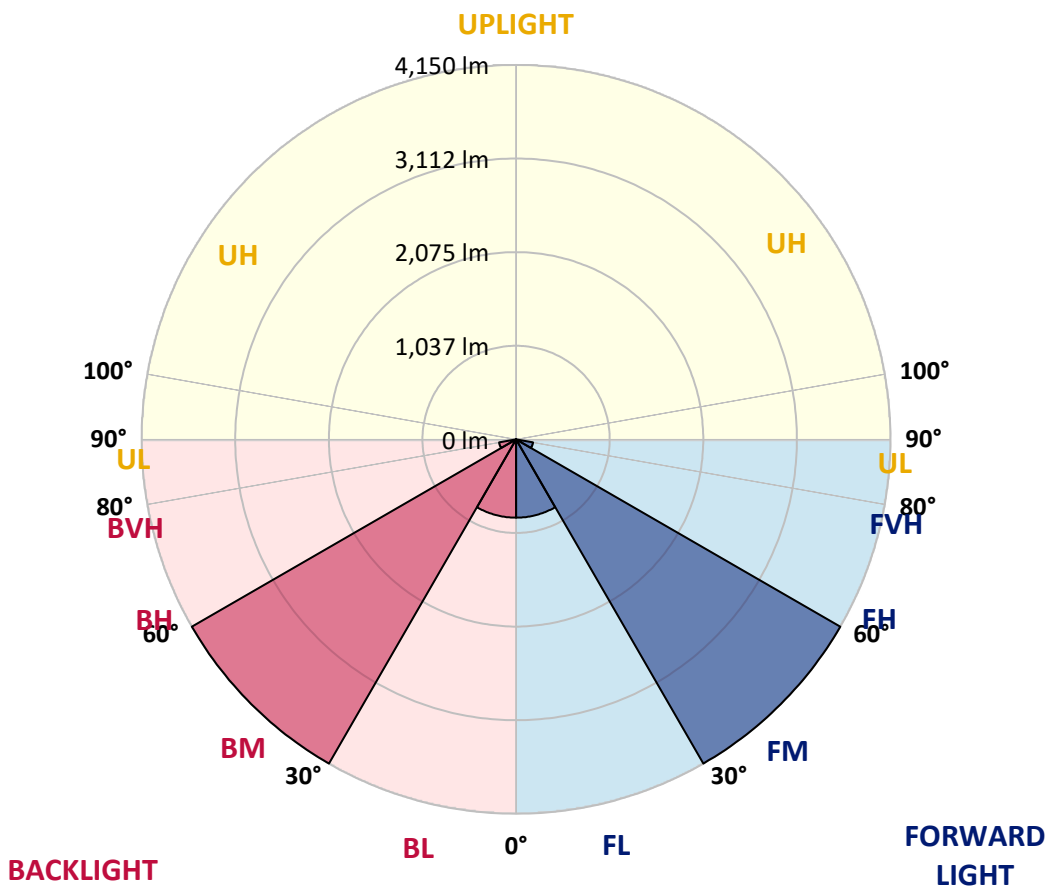
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	868.1	8.3			
FM (30°-60°)	4149.8	39.8			
FH (60°-80°)	191.1	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	868.1	8.3	B2/1000		
BM (30°-60°)	4149.8	39.8	B3/5000		
BH (60°-80°)	191.1	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°	1684.5	1684.5	1684.5	1684.5	1684.5	1684.5	1684.5	1684.5	1684.5	1684.5	1684.5
2.5°	1681.3	1681.3	1685.6	1688.7	1688.7	1697.2	1694.1	1690.9	1690.9	1686.6	1695.1
5°	1705.7	1704.7	1708.9	1711.0	1706.8	1715.3	1710.0	1706.8	1704.7	1700.4	1708.9
7.5°	1732.3	1733.3	1734.4	1738.6	1736.5	1745.0	1740.8	1734.4	1732.3	1725.9	1734.4
10°	1764.1	1764.1	1766.2	1771.5	1772.6	1783.2	1779.0	1771.5	1765.2	1758.8	1767.3
12.5°	1804.4	1805.5	1808.7	1816.1	1820.4	1832.0	1825.7	1810.8	1801.3	1793.8	1803.4
15°	1862.8	1861.8	1866.0	1876.6	1881.9	1890.4	1880.9	1860.7	1849.0	1840.5	1846.9
17.5°	1926.5	1926.5	1928.6	1939.2	1946.7	1959.4	1947.7	1923.3	1912.7	1901.0	1907.4
20°	1996.6	1999.8	2001.9	2009.3	2022.0	2034.8	2025.2	2000.8	1989.1	1974.3	1981.7
22.5°	2088.9	2085.7	2086.8	2099.5	2117.6	2130.3	2122.9	2094.2	2074.1	2062.4	2066.6
25°	2191.9	2190.8	2194.0	2213.1	2233.3	2247.1	2236.5	2199.3	2179.1	2159.0	2167.5
27.5°	2318.2	2319.2	2321.4	2344.7	2376.6	2396.7	2370.2	2333.0	2305.4	2278.9	2285.3
30°	2467.8	2465.7	2472.1	2503.9	2550.6	2582.5	2551.7	2499.7	2460.4	2434.9	2438.1
32.5°	2627.1	2629.2	2646.2	2697.1	2758.7	2814.9	2752.3	2683.3	2632.4	2584.6	2591.0
35°	2799.0	2804.3	2842.5	2917.9	3018.7	3094.1	3007.1	2893.5	2821.3	2759.7	2761.9
37.5°	3001.7	3014.5	3067.6	3180.1	3324.4	3425.3	3297.9	3147.2	3053.8	2977.3	2972.0
40°	3268.2	3283.0	3355.2	3488.9	3664.1	3756.4	3608.9	3453.9	3338.2	3255.4	3242.7
42.5°	3573.9	3593.0	3671.5	3808.4	3983.6	4046.2	3901.8	3771.3	3667.3	3569.6	3565.4
45°	3918.8	3929.4	3993.1	4098.2	4224.5	4239.4	4131.1	4058.9	3953.9	3862.6	3855.1
47.5°	4242.6	4253.2	4296.7	4350.8	4380.6	4327.5	4308.4	4276.5	4140.7	4028.2	4004.8
50°	4488.8	4497.3	4551.4	4572.7	4489.9	4377.4	4414.5	4346.6	4199.1	4072.7	4036.7
52.5°	4471.8	4493.1	4632.1	4753.1	4701.1	4609.8	4510.1	4363.6	4134.3	3961.3	3916.7
55°	3849.8	3878.5	4176.8	4574.8	4930.4	4969.7	4570.6	4098.2	3667.3	3413.6	3367.9
57.5°	2474.2	2481.6	2845.7	3404.0	4205.4	4458.0	3790.4	3089.8	2553.8	2274.7	2255.6
60°	909.7	894.8	1169.7	1632.5	2422.2	2689.7	2231.1	1562.4	1114.5	917.1	901.2
62.5°	218.7	220.8	273.9	410.8	760.0	940.4	743.0	415.0	264.3	221.8	219.7
65°	110.4	108.3	109.3	117.8	162.4	194.2	159.2	112.5	108.3	109.3	108.3
67.5°	71.1	70.1	72.2	73.2	72.2	67.9	66.9	69.0	69.0	70.1	67.9
70°	43.5	42.5	44.6	47.8	45.6	40.3	42.5	44.6	42.5	41.4	41.4
72.5°	23.4	23.4	25.5	27.6	25.5	23.4	23.4	24.4	23.4	23.4	23.4
75°	10.6	10.6	11.7	12.7	10.6	10.6	10.6	10.6	10.6	10.6	10.6
77.5°	3.2	3.2	4.2	4.2	3.2	3.2	3.2	3.2	4.2	4.2	4.2
80°	1.1	2.1	2.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
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)