

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: P633233

Luminaire Tested: GWS-SA2E-735-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633233  
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-SA2E-735-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

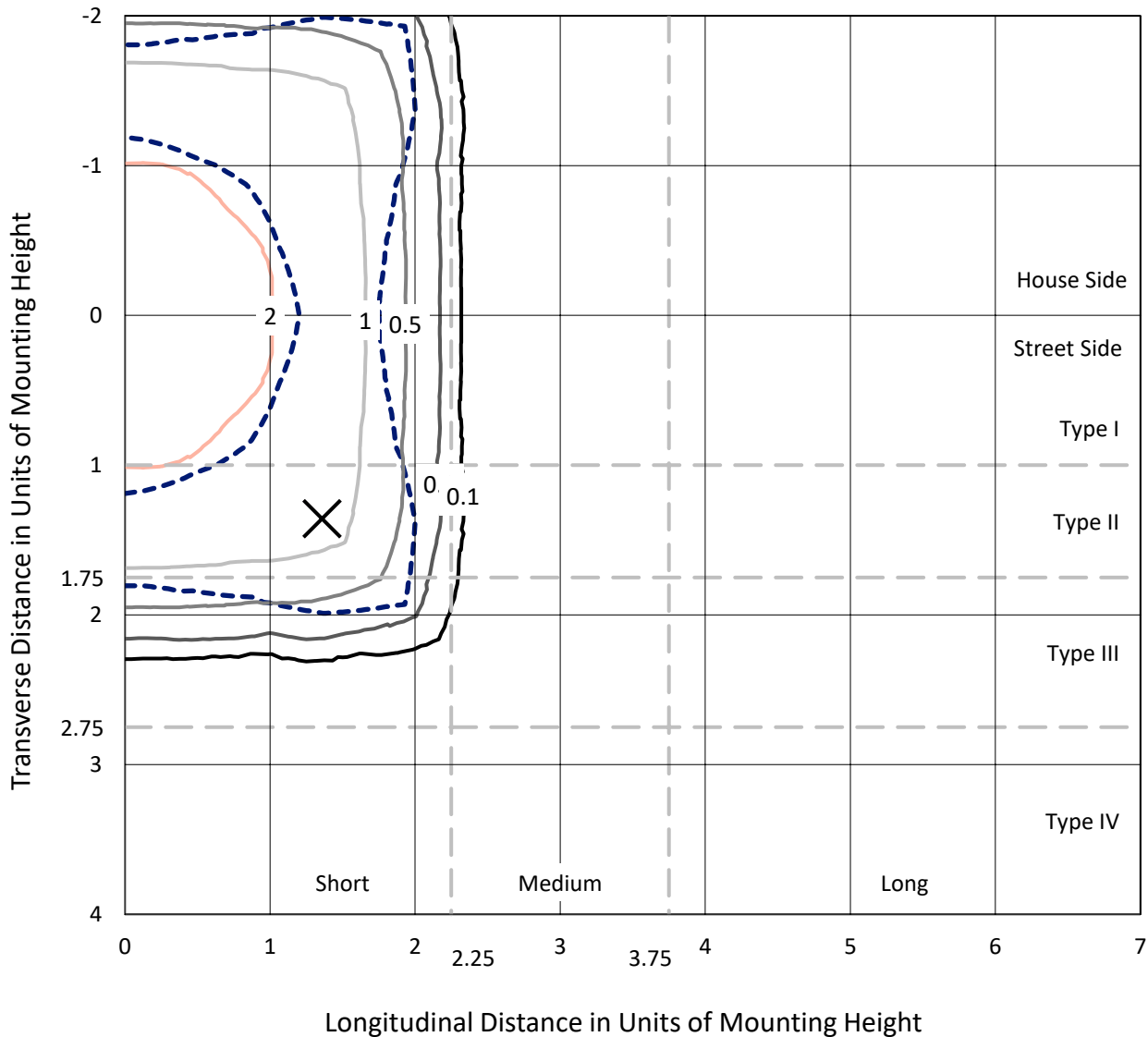
Lumens per Lamp: N/A  
Luminaire Lumens: 15041.5 lumens  
Efficiency: N/A  
Efficacy: 139.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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

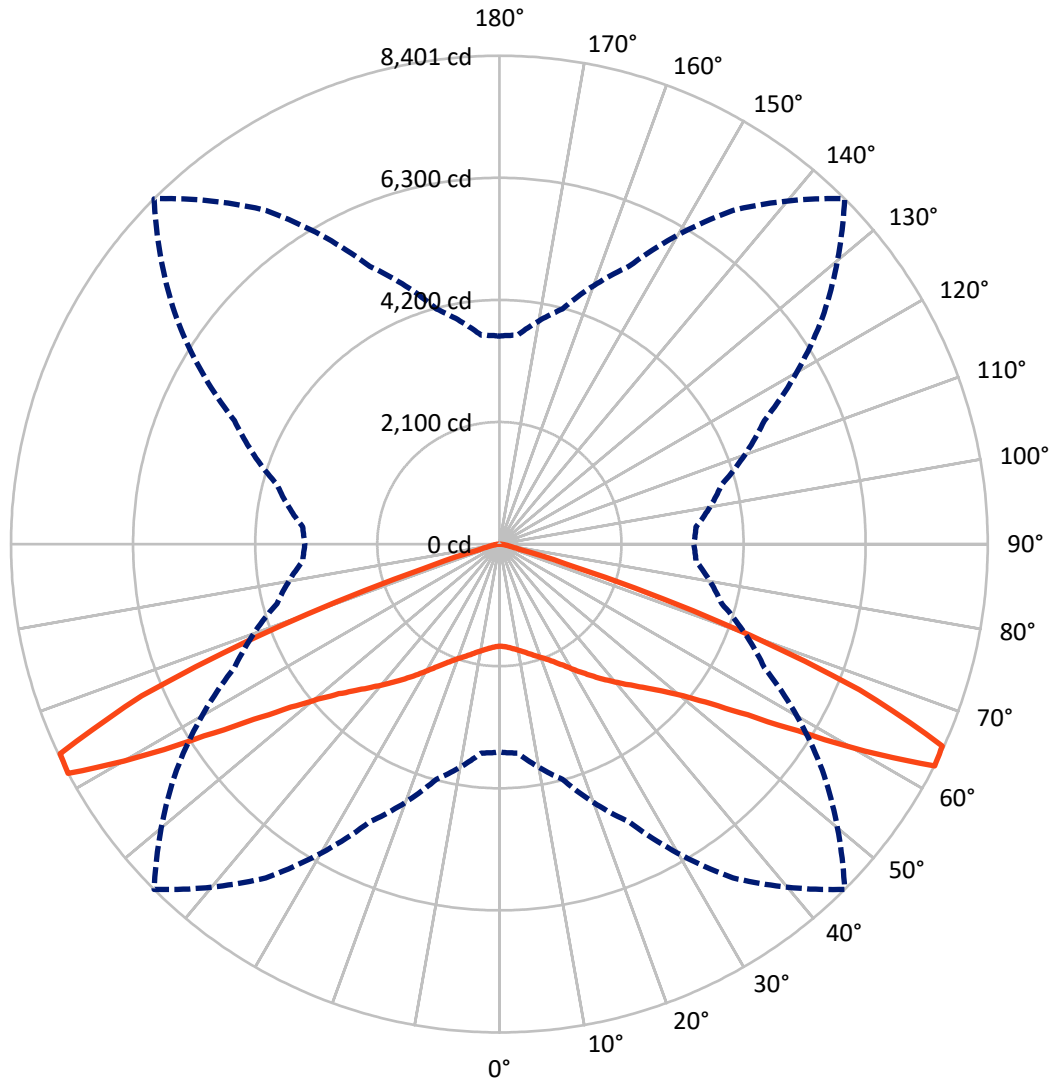
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type V - Short - N/A

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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	7520.8	0.0	7520.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7520.8	0.0	7520.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15041.5	0.0	15041.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.2	1.1
10°-20°	555.2	3.7
20°-30°	1050.4	7.0
30°-40°	1768.0	11.8
40°-50°	2824.7	18.8
50°-60°	4553.3	30.3
60°-70°	3715.0	24.7
70°-80°	360.8	2.4
80°-90°	42.0	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°	15041.5	100.0
0°-180°	15041.5	100.0

**Coefficient of Utilization**



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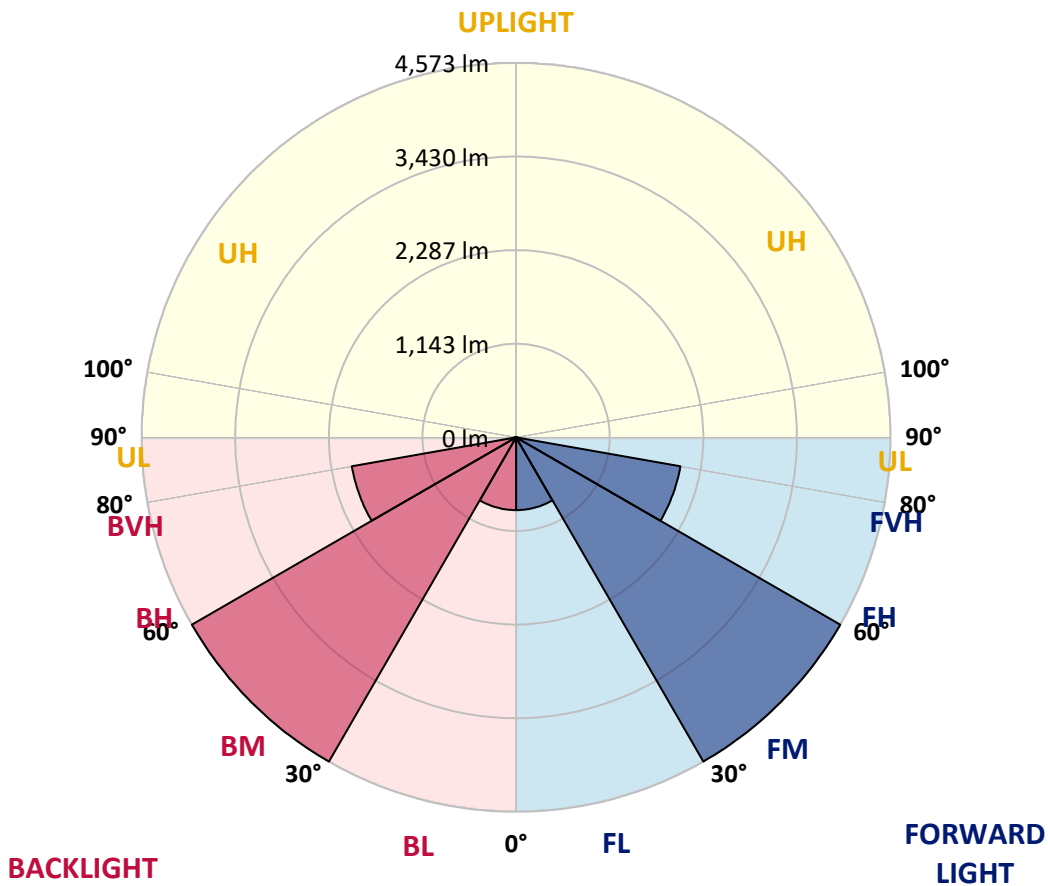
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	888.9	5.9			
FM (30°-60°)	4573.0	30.4			
FH (60°-80°)	2037.9	13.5			G2/5000
FVH (80°-90°)	21.0	0.1			G1/100
BL (0°-30°)	888.9	5.9	B2/1000		
BM (30°-60°)	4573.0	30.4	B3/5000		
BH (60°-80°)	2037.9	13.5	B3/2500		G2/5000
BVH (80°-90°)	21.0	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°	1754.8	1754.8	1754.8	1754.8	1754.8	1754.8	1754.8	1754.8	1754.8	1754.8	1754.8
2.5°	1752.7	1752.7	1756.9	1760.0	1757.9	1766.1	1765.1	1763.0	1762.0	1758.9	1768.2
5°	1776.5	1776.5	1779.6	1782.6	1777.5	1787.8	1783.7	1781.6	1780.6	1776.5	1784.7
7.5°	1803.3	1806.4	1807.4	1812.6	1809.5	1820.8	1817.7	1813.6	1811.5	1806.4	1813.6
10°	1833.2	1835.3	1836.3	1845.6	1846.6	1860.0	1856.9	1851.8	1847.6	1842.5	1852.8
12.5°	1873.4	1874.5	1877.6	1888.9	1892.0	1902.3	1901.3	1894.1	1888.9	1881.7	1893.0
15°	1925.0	1926.0	1931.2	1942.5	1947.7	1960.1	1956.0	1944.6	1937.4	1929.1	1938.4
17.5°	1978.7	1982.8	1987.9	1999.3	2006.5	2021.0	2015.8	2003.4	1997.2	1989.0	1995.2
20°	2047.8	2048.8	2051.9	2064.3	2069.4	2085.9	2087.0	2074.6	2071.5	2063.2	2072.5
22.5°	2124.1	2125.1	2128.2	2141.7	2150.9	2161.3	2167.4	2160.2	2155.1	2144.7	2156.1
25°	2208.7	2219.0	2222.1	2238.6	2248.9	2255.1	2262.4	2259.3	2252.0	2239.7	2244.8
27.5°	2327.3	2329.4	2334.6	2353.1	2359.3	2365.5	2372.7	2373.8	2363.5	2349.0	2356.2
30°	2462.5	2461.5	2472.8	2487.2	2492.4	2497.6	2507.9	2514.1	2500.7	2485.2	2492.4
32.5°	2600.7	2613.1	2627.5	2641.0	2637.9	2639.9	2656.4	2667.8	2649.2	2621.4	2627.5
35°	2756.5	2764.8	2783.3	2802.9	2798.8	2795.7	2806.0	2817.4	2791.6	2755.5	2764.8
37.5°	2916.4	2928.8	2956.6	2980.4	2974.2	2959.7	2971.1	2983.5	2958.7	2917.4	2913.3
40°	3094.9	3114.5	3154.7	3174.3	3157.8	3129.9	3149.6	3179.5	3154.7	3107.3	3095.9
42.5°	3304.3	3328.0	3368.3	3398.2	3362.1	3316.7	3349.7	3393.0	3386.8	3323.9	3304.3
45°	3563.2	3578.7	3628.2	3642.7	3589.0	3526.1	3585.9	3652.0	3636.5	3568.4	3542.6
47.5°	3844.9	3868.6	3911.9	3938.7	3852.1	3773.7	3857.2	3946.0	3929.5	3865.5	3835.6
50°	4203.9	4234.8	4291.6	4314.3	4194.6	4104.8	4212.1	4324.6	4292.6	4207.0	4167.8
52.5°	4594.9	4619.6	4716.6	4762.0	4649.5	4552.6	4646.4	4756.8	4688.7	4575.3	4522.6
55°	4939.4	4964.2	5106.5	5257.2	5252.0	5184.9	5232.4	5234.5	5049.8	4862.0	4806.3
57.5°	5013.7	5038.5	5309.8	5703.9	5982.4	6059.8	5920.5	5627.5	5162.3	4833.2	4770.2
60°	4617.6	4645.4	5076.6	5796.7	6712.8	7229.6	6588.0	5619.3	4814.6	4368.9	4309.1
62.5°	3577.7	3607.6	4187.4	5268.5	7007.8	8400.5	6781.9	5028.1	3960.4	3396.1	3343.5
65°	1708.4	1708.4	2445.0	3778.8	6419.8	8372.7	6220.7	3720.0	2384.1	1831.1	1785.7
67.5°	423.0	425.0	629.3	1471.1	4366.9	6681.8	4438.0	1785.7	839.7	594.2	578.7
70°	264.1	263.1	291.9	398.2	1527.8	4055.3	1814.6	538.5	341.5	301.2	299.2
72.5°	205.3	205.3	219.7	254.8	400.3	1381.3	529.2	299.2	247.6	222.8	222.8
75°	162.0	162.0	172.3	190.9	236.2	355.9	281.6	221.8	191.9	175.4	173.3
77.5°	120.7	122.8	131.0	143.4	160.9	200.1	178.5	167.1	149.6	137.2	133.1
80°	78.4	81.5	91.8	99.0	105.2	132.0	116.6	121.7	113.5	99.0	97.0
82.5°	42.3	43.3	55.7	57.8	59.8	72.2	74.3	77.4	80.5	62.9	58.8
85°	15.5	15.5	18.6	21.7	23.7	25.8	35.1	43.3	45.4	36.1	35.1
87.5°	3.1	3.1	3.1	2.1	2.1	2.1	6.2	11.3	18.6	14.4	14.4
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)