

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: P634225

Luminaire Tested: GWS-SA3B-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634225  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-735-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

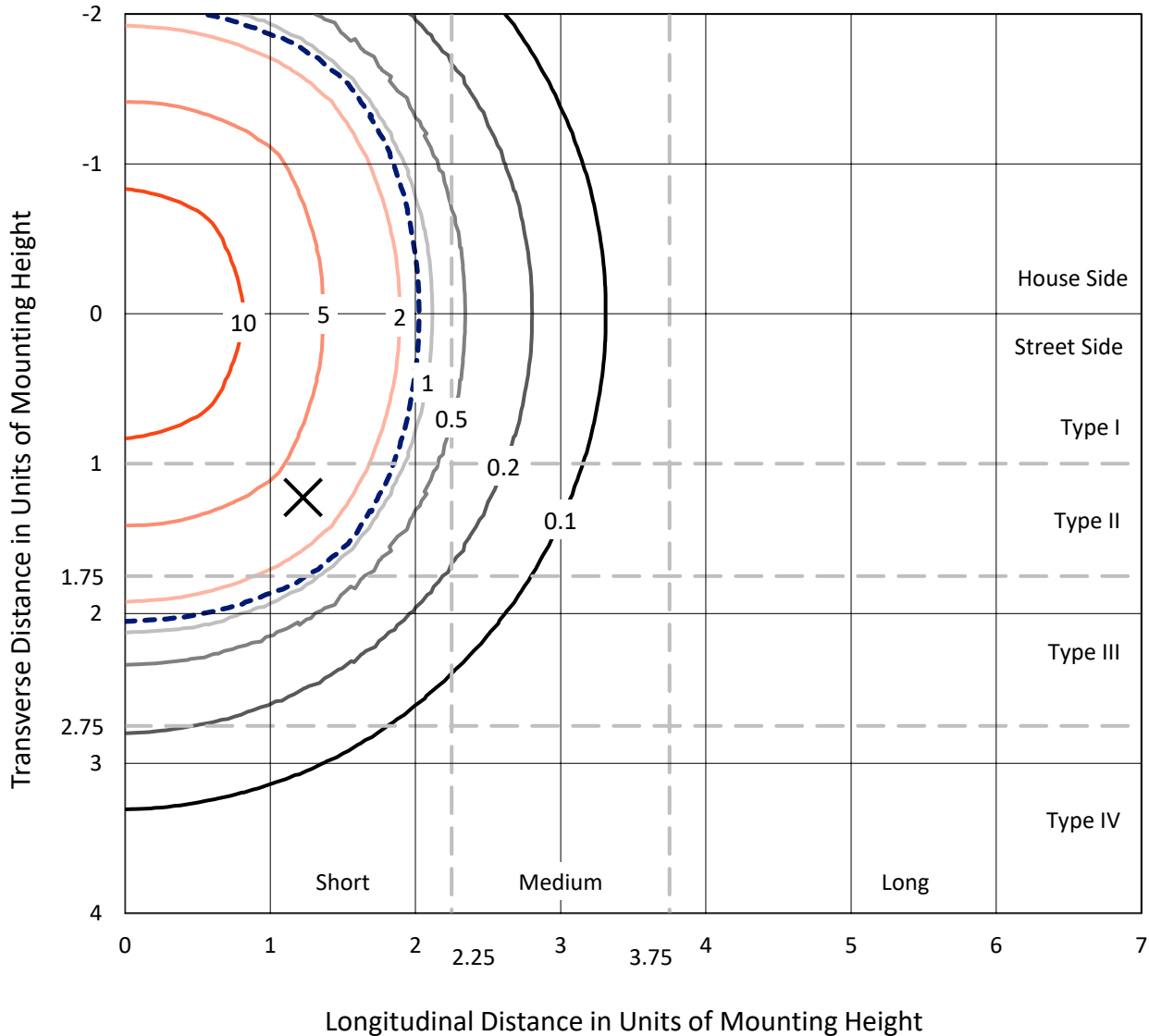
Lumens per Lamp: N/A  
Luminaire Lumens: 8664.1 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

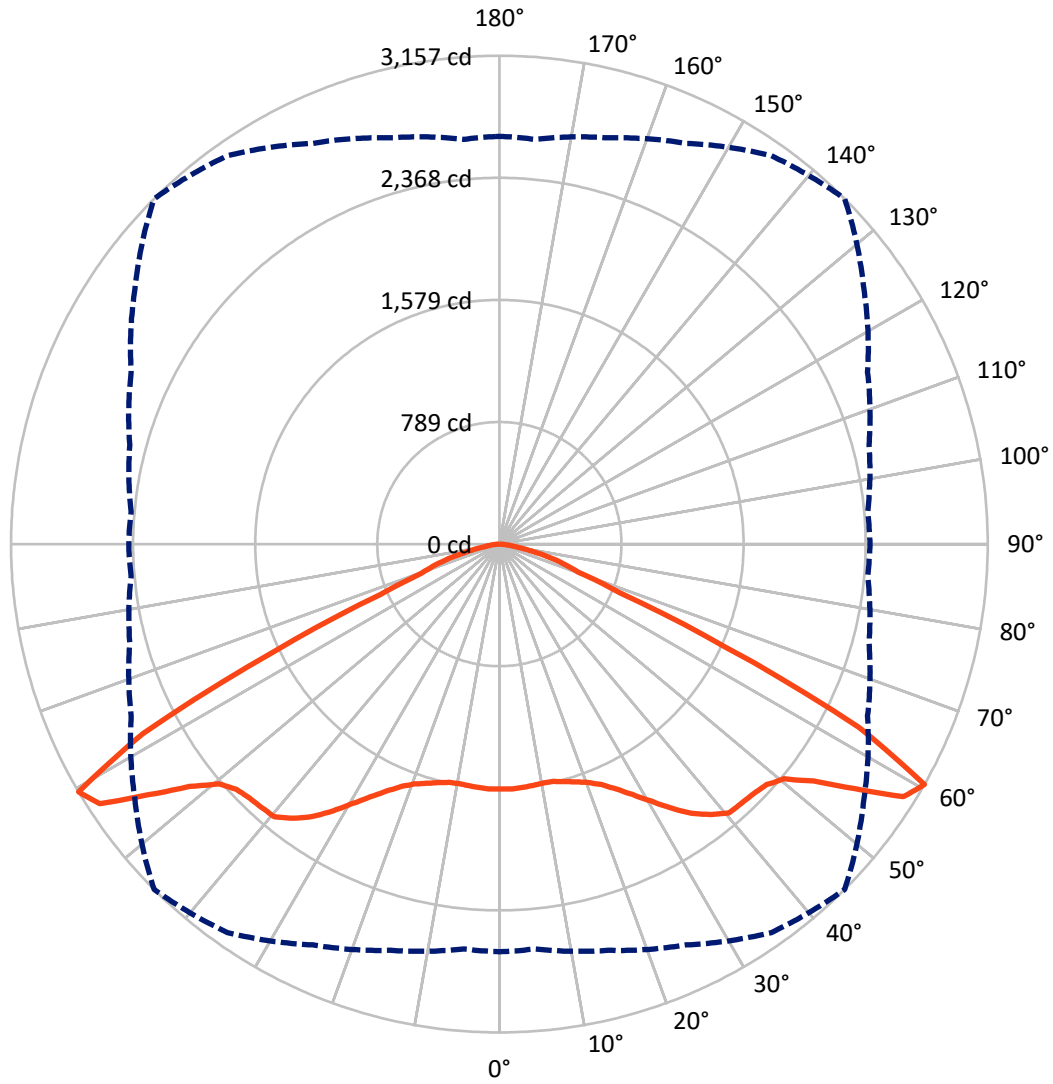
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4332.1	0.0	4332.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4332.1	0.0	4332.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8664.1	0.0	8664.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.2	1.7
10°-20°	451.7	5.2
20°-30°	799.0	9.2
30°-40°	1286.5	14.8
40°-50°	1768.2	20.4
50°-60°	2356.4	27.2
60°-70°	1468.6	17.0
70°-80°	337.7	3.9
80°-90°	45.8	0.5
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°	8664.1	100.0
0°-180°	8664.1	100.0

**Coefficient of Utilization**



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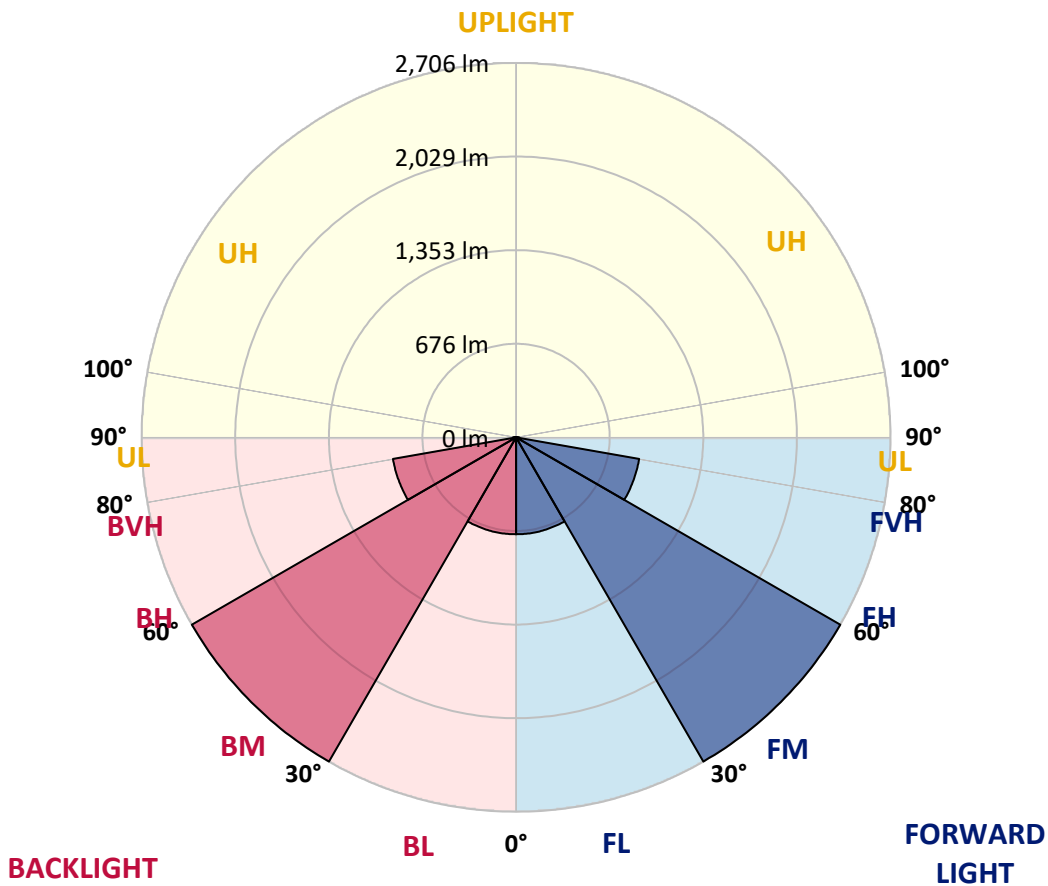
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	700.4	8.1			
FM (30°-60°)	2705.6	31.2			
FH (60°-80°)	903.2	10.4			G1/1800
FVH (80°-90°)	22.9	0.3			G1/100
BL (0°-30°)	700.4	8.1	B2/1000		
BM (30°-60°)	2705.6	31.2	B3/5000		
BH (60°-80°)	903.2	10.4	B2/1000		G1/1800
BVH (80°-90°)	22.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1583.4	1583.4	1583.4	1583.4	1583.4	1583.4	1583.4	1583.4	1583.4	1583.4	1583.4
2.5°	1572.3	1573.8	1576.7	1578.9	1581.9	1584.8	1586.3	1583.4	1581.9	1576.0	1582.6
5°	1573.8	1575.3	1577.5	1577.5	1578.2	1580.4	1580.4	1576.7	1573.1	1566.4	1573.8
7.5°	1571.6	1573.1	1573.8	1573.1	1573.8	1574.5	1573.1	1568.6	1565.0	1559.1	1565.0
10°	1567.9	1569.4	1570.8	1569.4	1567.9	1570.1	1570.1	1567.2	1565.0	1559.1	1565.7
12.5°	1576.0	1578.2	1578.9	1575.3	1573.8	1574.5	1574.5	1571.6	1571.6	1566.4	1573.8
15°	1595.1	1596.6	1594.4	1590.0	1590.7	1592.9	1587.8	1580.4	1578.9	1576.7	1582.6
17.5°	1609.8	1611.3	1609.1	1606.1	1611.3	1616.4	1606.9	1592.9	1588.5	1587.0	1593.6
20°	1626.0	1628.2	1625.3	1628.9	1639.2	1645.1	1633.4	1614.2	1605.4	1603.2	1611.3
22.5°	1652.5	1655.4	1655.4	1663.5	1679.0	1688.5	1673.8	1648.1	1634.8	1631.2	1639.2
25°	1694.4	1696.6	1698.8	1715.0	1740.0	1753.2	1729.7	1694.4	1676.0	1670.1	1674.5
27.5°	1752.5	1756.2	1759.9	1783.4	1814.3	1833.4	1799.6	1755.4	1732.6	1720.9	1729.7
30°	1821.6	1826.8	1835.6	1862.1	1905.5	1926.8	1883.4	1829.7	1804.0	1791.5	1803.2
32.5°	1915.8	1916.5	1923.1	1952.5	2009.9	2034.2	1979.7	1920.2	1893.7	1879.0	1885.6
35°	2027.5	2028.3	2018.0	2048.1	2109.9	2137.1	2073.1	2012.8	1990.8	1986.4	2003.3
37.5°	2142.3	2135.6	2125.4	2138.6	2201.1	2218.8	2151.1	2099.6	2090.1	2098.1	2123.1
40°	2223.9	2212.9	2192.3	2201.8	2265.1	2285.7	2213.6	2165.1	2162.1	2182.0	2212.1
42.5°	2276.8	2265.1	2240.8	2240.8	2284.2	2293.0	2237.1	2211.4	2218.0	2240.8	2269.5
45°	2302.6	2296.0	2282.0	2274.6	2298.9	2302.6	2259.9	2249.6	2262.1	2273.2	2295.2
47.5°	2322.4	2322.4	2318.0	2310.7	2321.7	2323.9	2292.3	2289.4	2305.5	2305.5	2320.2
50°	2357.7	2361.4	2367.3	2365.8	2377.6	2385.0	2361.4	2357.0	2363.6	2342.3	2349.7
52.5°	2450.4	2460.0	2476.9	2490.1	2520.3	2543.1	2501.2	2465.9	2431.3	2384.2	2385.7
55°	2616.6	2621.0	2654.1	2693.1	2743.8	2790.2	2704.1	2594.5	2519.5	2464.4	2465.1
57.5°	2757.1	2763.7	2812.2	2893.9	3007.9	3079.9	2889.5	2706.3	2600.4	2532.8	2535.0
60°	2635.7	2626.9	2718.8	2858.6	3065.2	3157.1	2876.2	2626.2	2473.9	2390.1	2396.0
62.5°	2039.3	2022.4	2124.6	2271.0	2518.8	2610.7	2351.9	2112.1	1968.0	1902.5	1893.0
65°	1241.4	1225.9	1299.5	1389.2	1556.9	1615.0	1496.6	1369.3	1243.6	1203.9	1192.8
67.5°	675.8	673.6	693.5	737.6	811.2	838.4	815.6	755.3	722.9	695.0	695.0
70°	536.1	531.7	528.0	528.8	535.4	539.1	539.8	536.9	540.5	541.3	538.3
72.5°	444.2	442.7	435.4	436.1	433.2	431.7	436.8	439.8	445.7	446.4	446.4
75°	322.1	318.4	322.1	322.8	319.9	319.9	323.6	322.8	325.8	327.3	319.2
77.5°	183.1	183.1	188.3	194.1	198.6	198.6	202.2	202.2	205.9	205.2	203.7
80°	100.8	100.8	103.7	107.4	111.8	116.2	119.9	120.6	122.8	122.1	119.9
82.5°	57.4	58.1	59.6	61.8	66.2	69.9	73.5	74.3	76.5	76.5	74.3
85°	27.2	26.5	27.2	28.7	30.9	33.8	37.5	39.7	41.2	41.2	39.7
87.5°	5.1	5.9	5.1	5.9	6.6	8.8	10.3	11.8	14.0	14.7	13.2
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)