

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: P634995

Luminaire Tested: GWS-SA3C-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634995  
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-SA3C-830-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) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

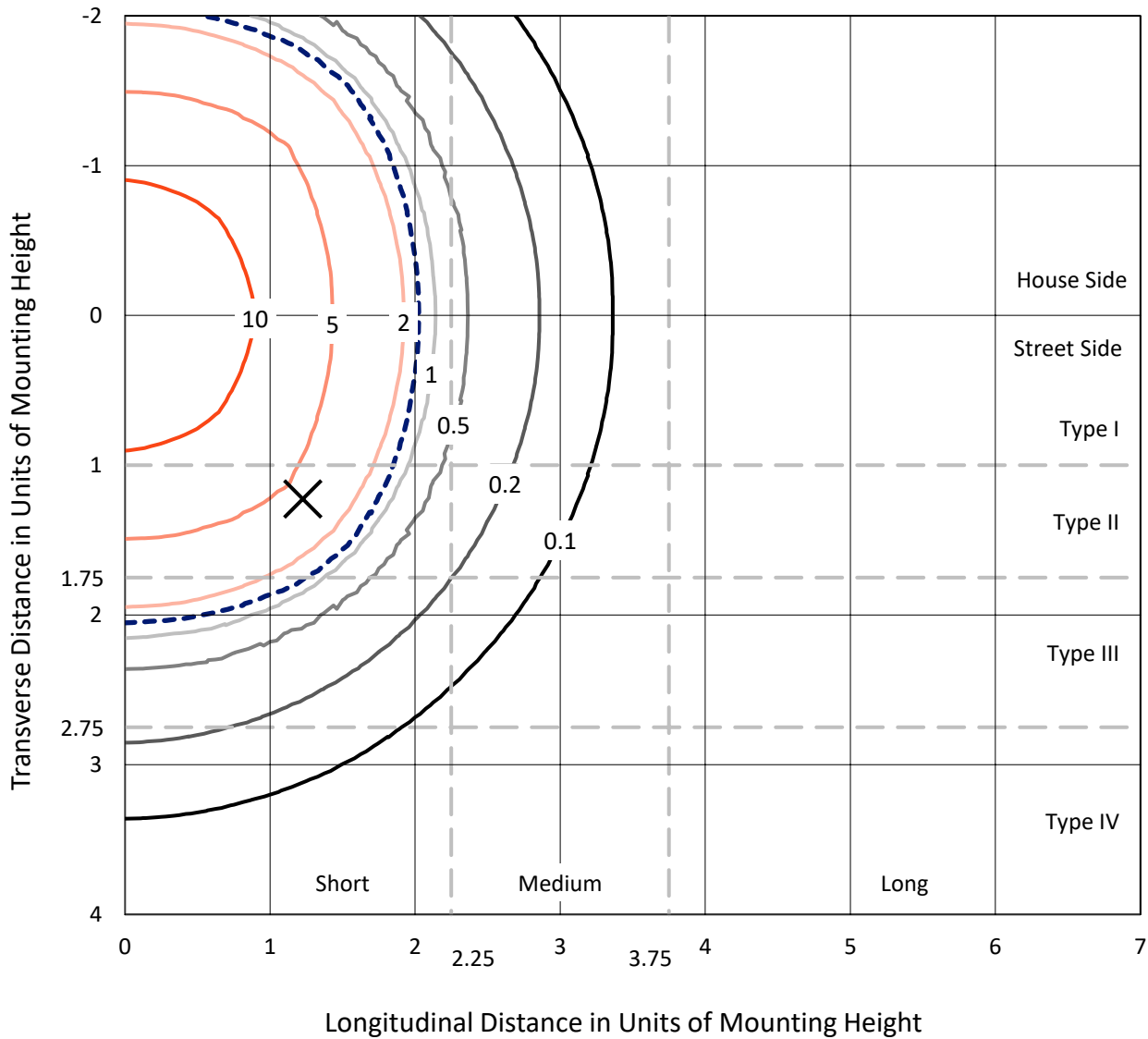
Lumens per Lamp: N/A  
Luminaire Lumens: 9358.7 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

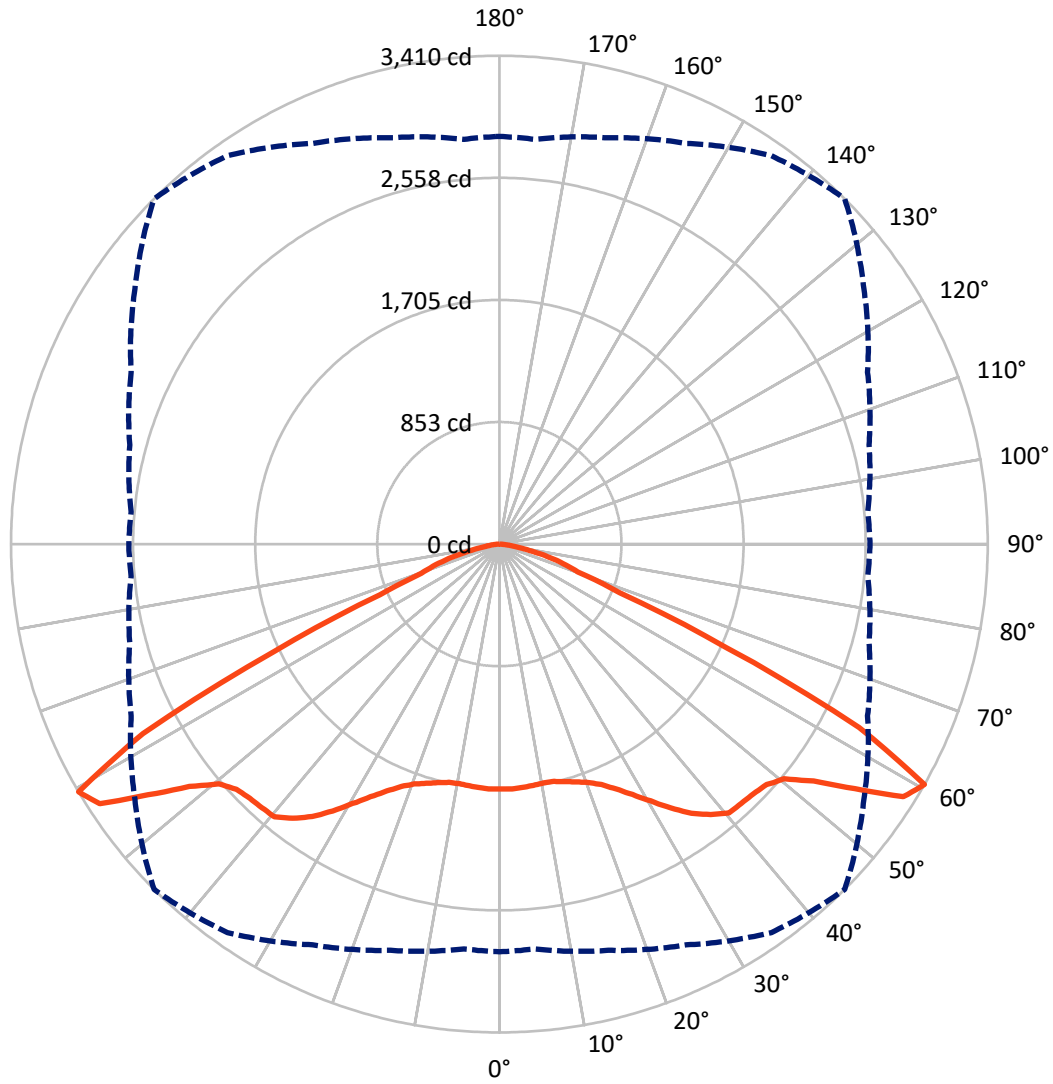
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.1 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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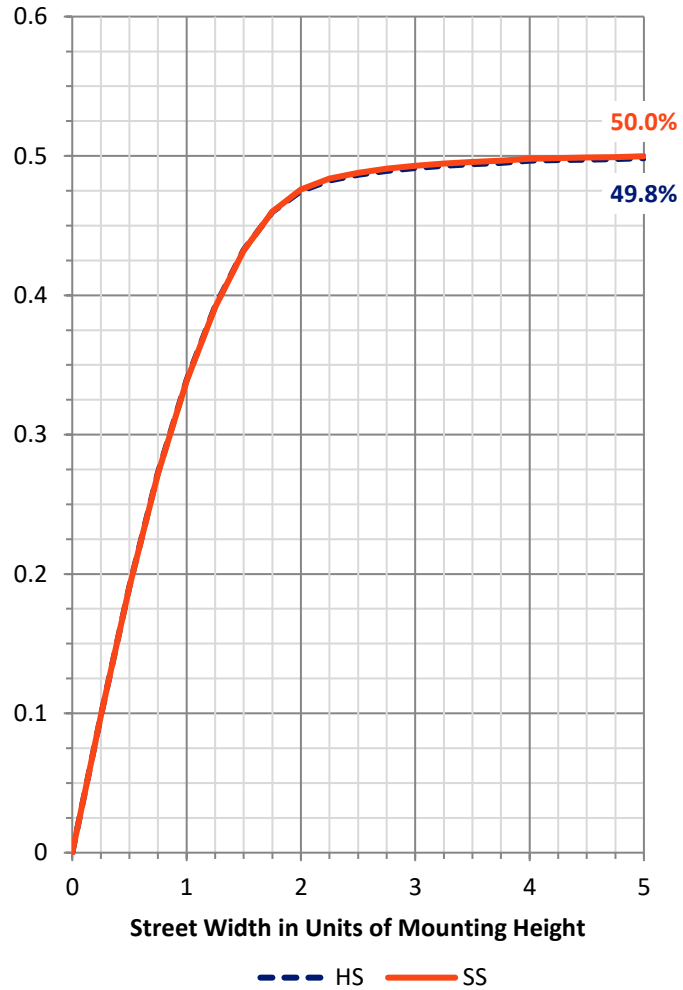
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4679.4	0.0	4679.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4679.4	0.0	4679.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9358.7	0.0	9358.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.2	1.7
10°-20°	487.9	5.2
20°-30°	863.1	9.2
30°-40°	1389.6	14.8
40°-50°	1910.0	20.4
50°-60°	2545.3	27.2
60°-70°	1586.3	17.0
70°-80°	364.8	3.9
80°-90°	49.5	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°	9358.7	100.0
0°-180°	9358.7	100.0

**Coefficient of Utilization**



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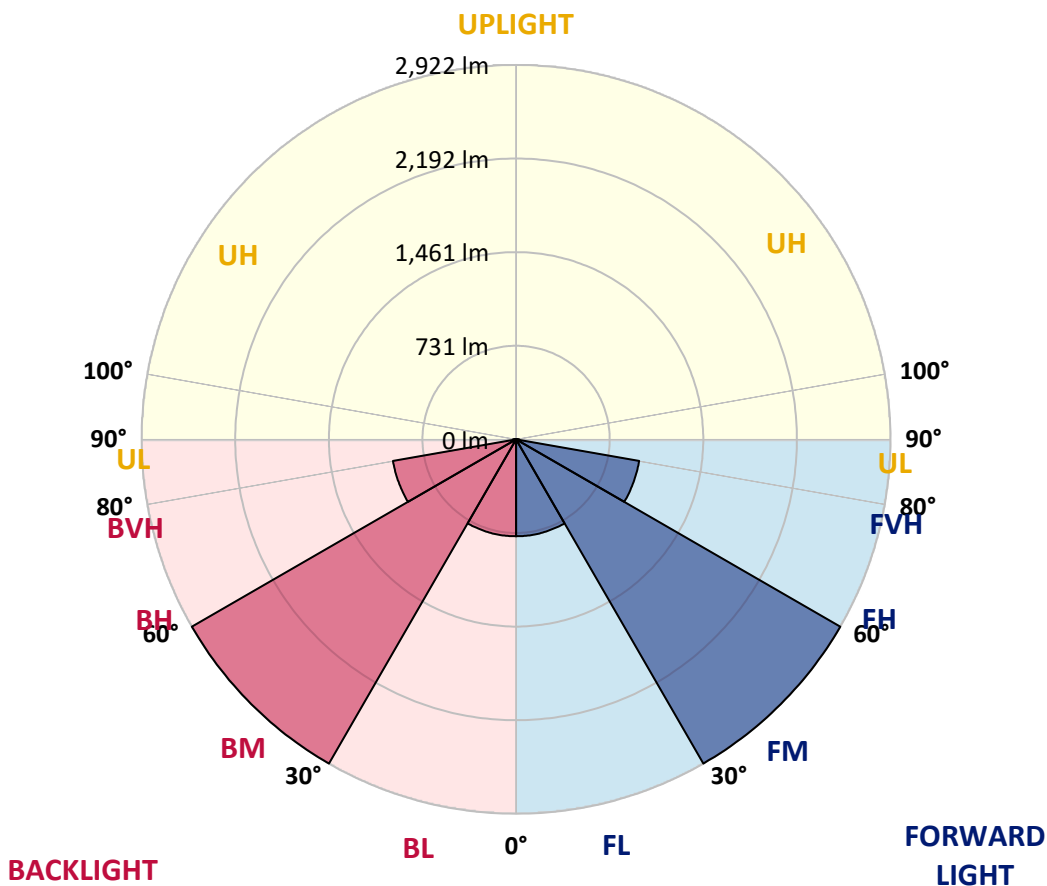
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	756.6	8.1			
FM (30°-60°)	2922.5	31.2			
FH (60°-80°)	975.6	10.4			G1/1800
FVH (80°-90°)	24.7	0.3			G1/100
BL (0°-30°)	756.6	8.1	B2/1000		
BM (30°-60°)	2922.5	31.2	B3/5000		
BH (60°-80°)	975.6	10.4	B2/1000		G1/1800
BVH (80°-90°)	24.7	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°	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3
2.5°	1698.4	1700.0	1703.1	1705.5	1708.7	1711.9	1713.5	1710.3	1708.7	1702.3	1709.5
5°	1700.0	1701.6	1703.9	1703.9	1704.7	1707.1	1707.1	1703.1	1699.2	1692.0	1700.0
7.5°	1697.6	1699.2	1700.0	1699.2	1700.0	1700.8	1699.2	1694.4	1690.4	1684.1	1690.4
10°	1693.6	1695.2	1696.8	1695.2	1693.6	1696.0	1696.0	1692.8	1690.4	1684.1	1691.2
12.5°	1702.3	1704.7	1705.5	1701.6	1700.0	1700.8	1700.8	1697.6	1697.6	1692.0	1700.0
15°	1723.0	1724.6	1722.2	1717.4	1718.2	1720.6	1715.1	1707.1	1705.5	1703.1	1709.5
17.5°	1738.9	1740.5	1738.1	1734.9	1740.5	1746.0	1735.7	1720.6	1715.8	1714.3	1721.4
20°	1756.4	1758.7	1755.6	1759.5	1770.7	1777.0	1764.3	1743.7	1734.1	1731.7	1740.5
22.5°	1785.0	1788.1	1788.1	1796.9	1813.6	1823.9	1808.0	1780.2	1765.9	1761.9	1770.7
25°	1830.2	1832.6	1835.0	1852.5	1879.5	1893.8	1868.4	1830.2	1810.4	1804.0	1808.8
27.5°	1893.0	1897.0	1900.9	1926.4	1959.7	1980.4	1943.8	1896.2	1871.5	1858.8	1868.4
30°	1967.7	1973.2	1982.8	2011.4	2058.2	2081.3	2034.4	1976.4	1948.6	1935.1	1947.8
32.5°	2069.3	2070.1	2077.3	2109.1	2171.0	2197.2	2138.5	2074.1	2045.5	2029.6	2036.8
35°	2190.1	2190.9	2179.8	2212.3	2279.1	2308.5	2239.3	2174.2	2150.4	2145.6	2163.9
37.5°	2314.0	2306.9	2295.7	2310.0	2377.6	2396.6	2323.5	2267.9	2257.6	2266.4	2293.4
40°	2402.2	2390.3	2368.0	2378.4	2446.7	2468.9	2391.1	2338.6	2335.5	2356.9	2389.5
42.5°	2459.4	2446.7	2420.5	2420.5	2467.3	2476.9	2416.5	2388.7	2395.8	2420.5	2451.4
45°	2487.2	2480.0	2464.9	2457.0	2483.2	2487.2	2441.1	2430.0	2443.5	2455.4	2479.2
47.5°	2508.6	2508.6	2503.9	2495.9	2507.8	2510.2	2476.1	2472.9	2490.4	2490.4	2506.3
50°	2546.8	2550.7	2557.1	2555.5	2568.2	2576.2	2550.7	2546.0	2553.1	2530.1	2538.0
52.5°	2646.9	2657.2	2675.5	2689.8	2722.3	2746.9	2701.7	2663.5	2626.2	2575.4	2577.0
55°	2826.4	2831.2	2866.9	2909.0	2963.8	3013.9	2920.9	2802.6	2721.5	2662.0	2662.7
57.5°	2978.1	2985.3	3037.7	3125.9	3249.0	3326.8	3121.1	2923.3	2808.9	2735.8	2738.2
60°	2847.0	2837.5	2936.8	3087.7	3311.0	3410.3	3106.8	2836.7	2672.3	2581.7	2588.1
62.5°	2202.8	2184.5	2294.9	2453.0	2720.7	2820.0	2540.4	2281.4	2125.7	2055.0	2044.7
65°	1340.9	1324.2	1403.7	1500.6	1681.7	1744.4	1616.6	1479.1	1343.3	1300.4	1288.5
67.5°	730.0	727.6	749.1	796.8	876.2	905.6	881.0	815.8	780.9	750.7	750.7
70°	579.1	574.3	570.4	571.2	578.3	582.3	583.1	579.9	583.9	584.7	581.5
72.5°	479.8	478.2	470.3	471.1	467.9	466.3	471.9	475.0	481.4	482.2	482.2
75°	347.9	344.0	347.9	348.7	345.6	345.6	349.5	348.7	351.9	353.5	344.8
77.5°	197.8	197.8	203.4	209.7	214.5	214.5	218.5	218.5	222.4	221.6	220.0
80°	108.8	108.8	112.0	116.0	120.7	125.5	129.5	130.3	132.7	131.9	129.5
82.5°	62.0	62.8	64.3	66.7	71.5	75.5	79.4	80.2	82.6	82.6	80.2
85°	29.4	28.6	29.4	31.0	33.4	36.5	40.5	42.9	44.5	44.5	42.9
87.5°	5.6	6.4	5.6	6.4	7.1	9.5	11.1	12.7	15.1	15.9	14.3
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)