

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: P633066

Luminaire Tested: GWS-SA2E-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633066  
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-SA2E-722-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

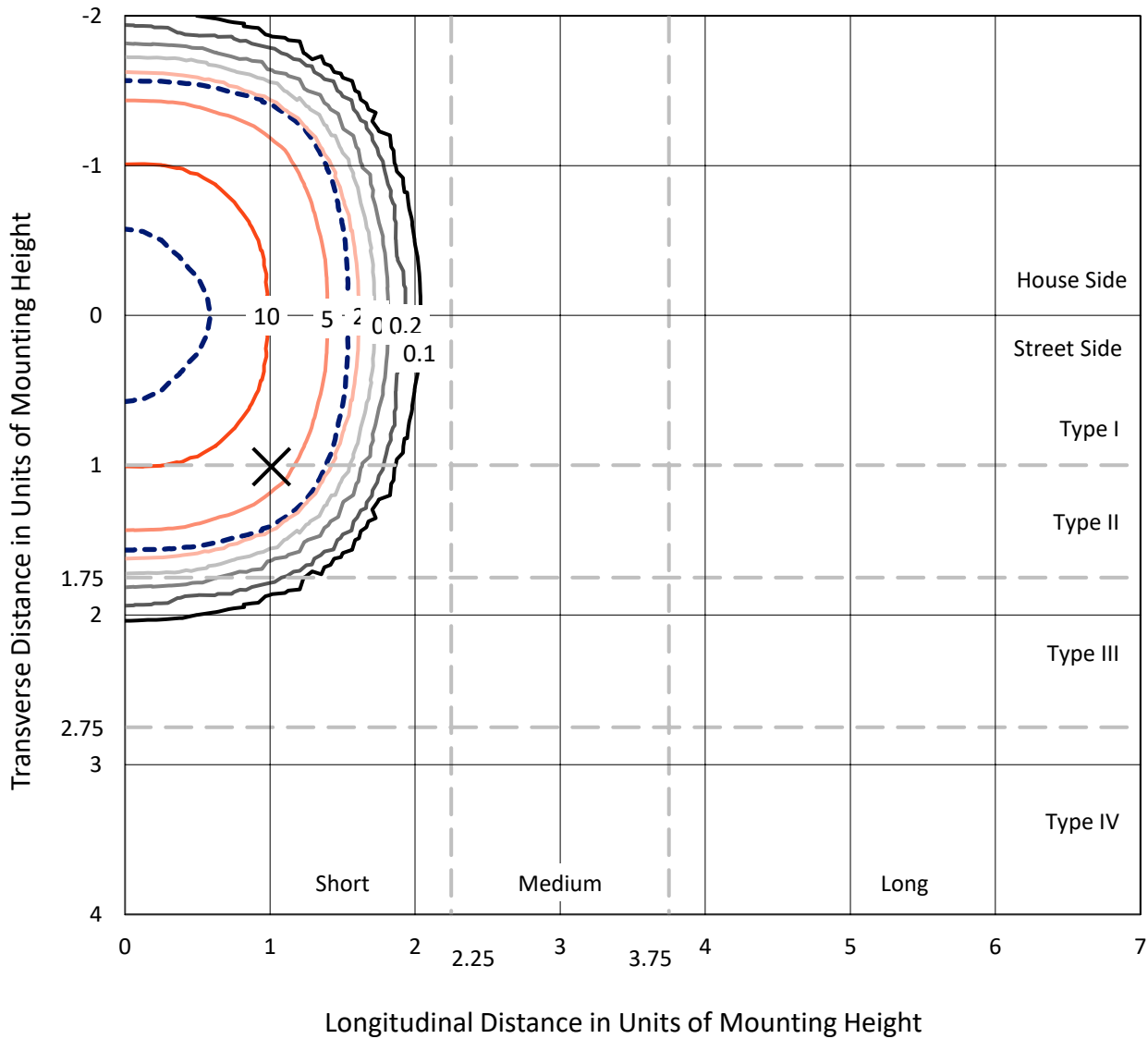
Lumens per Lamp: N/A  
Luminaire Lumens: 7562.9 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

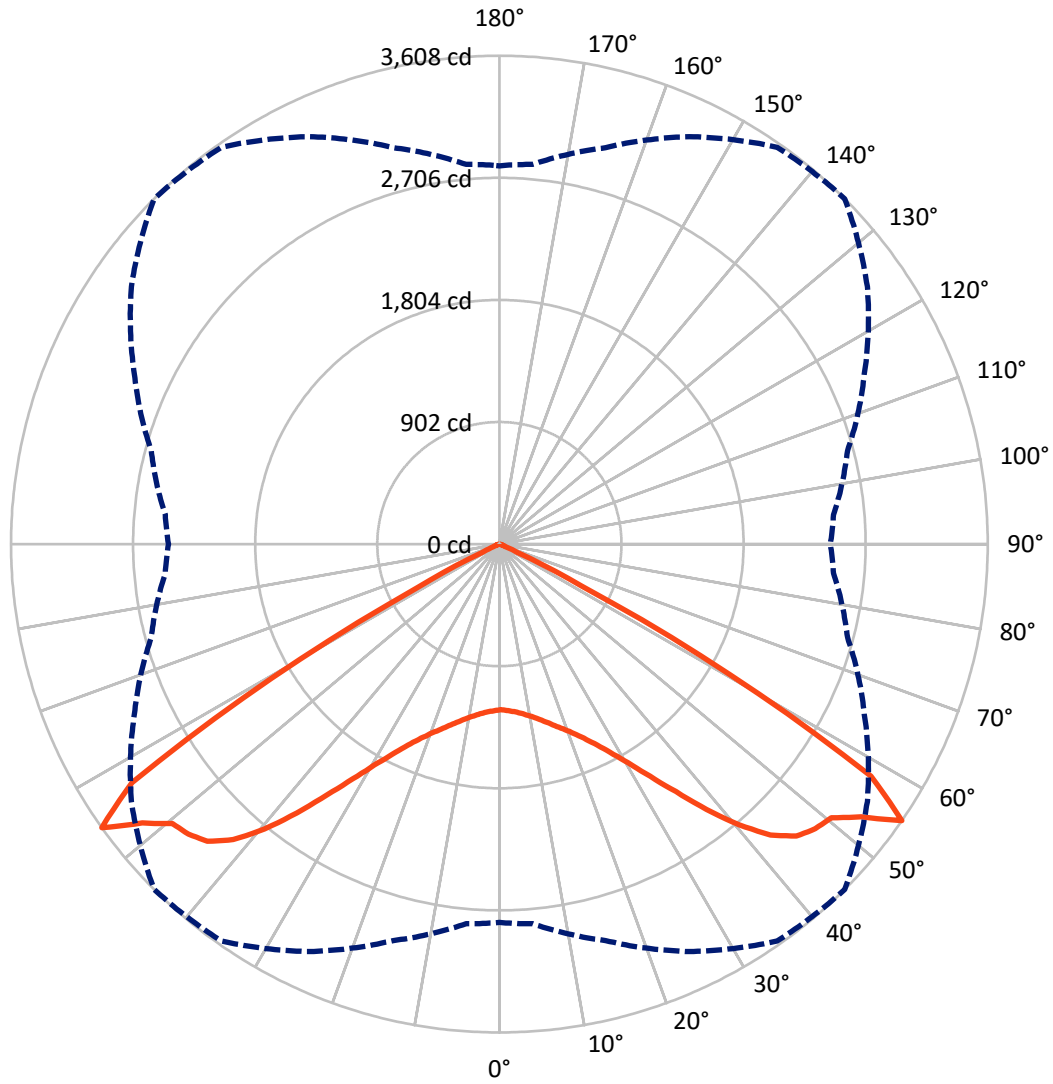
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 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	3781.5	0.0	3781.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3781.5	0.0	3781.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7562.9	0.0	7562.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.8	1.6
10°-20°	388.3	5.1
20°-30°	752.1	9.9
30°-40°	1347.4	17.8
40°-50°	2259.1	29.9
50°-60°	2418.2	32.0
60°-70°	265.7	3.5
70°-80°	11.7	0.2
80°-90°	0.6	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°	7562.9	100.0
0°-180°	7562.9	100.0

**Coefficient of Utilization**



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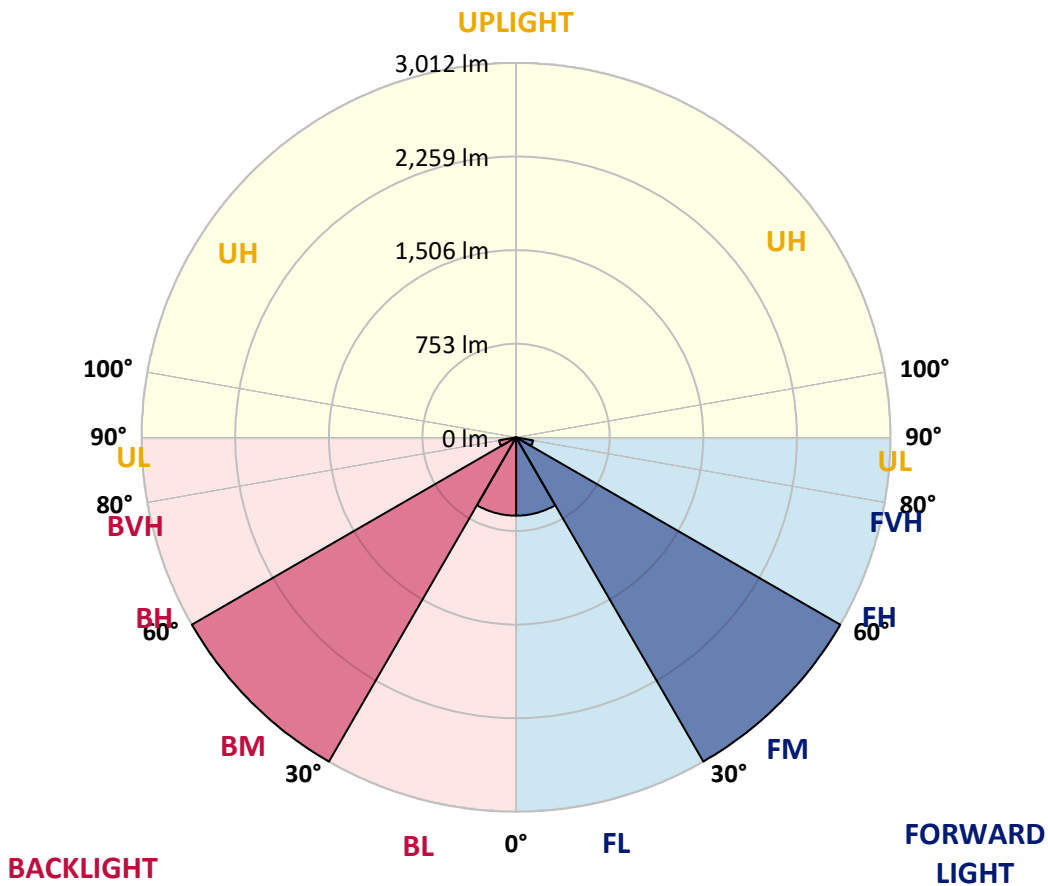
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	630.1	8.3			
FM (30°-60°)	3012.3	39.8			
FH (60°-80°)	138.7	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	630.1	8.3	B2/1000		
BM (30°-60°)	3012.3	39.8	B3/5000		
BH (60°-80°)	138.7	1.8	B1/500		G0/660
BVH (80°-90°)	0.3	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°	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8
2.5°	1220.5	1220.5	1223.5	1225.9	1225.9	1232.0	1229.7	1227.4	1227.4	1224.3	1230.5
5°	1238.2	1237.4	1240.5	1242.0	1239.0	1245.1	1241.3	1239.0	1237.4	1234.3	1240.5
7.5°	1257.4	1258.2	1259.0	1262.1	1260.5	1266.7	1263.6	1259.0	1257.4	1252.8	1259.0
10°	1280.6	1280.6	1282.1	1286.0	1286.7	1294.4	1291.3	1286.0	1281.3	1276.7	1282.9
12.5°	1309.8	1310.6	1312.9	1318.3	1321.4	1329.9	1325.3	1314.5	1307.5	1302.1	1309.1
15°	1352.2	1351.4	1354.5	1362.2	1366.1	1372.3	1365.3	1350.7	1342.2	1336.0	1340.7
17.5°	1398.4	1398.4	1400.0	1407.7	1413.1	1422.3	1413.9	1396.1	1388.4	1380.0	1384.6
20°	1449.3	1451.6	1453.2	1458.5	1467.8	1477.0	1470.1	1452.4	1443.9	1433.1	1438.5
22.5°	1516.3	1514.0	1514.8	1524.0	1537.1	1546.4	1541.0	1520.2	1505.5	1497.1	1500.2
25°	1591.1	1590.3	1592.6	1606.5	1621.1	1631.1	1623.4	1596.5	1581.8	1567.2	1573.4
27.5°	1682.8	1683.5	1685.1	1702.0	1725.1	1739.8	1720.5	1693.5	1673.5	1654.3	1658.9
30°	1791.4	1789.9	1794.5	1817.6	1851.5	1874.6	1852.3	1814.5	1786.0	1767.5	1769.8
32.5°	1907.0	1908.5	1920.8	1957.8	2002.5	2043.4	1997.9	1947.8	1910.8	1876.2	1880.8
35°	2031.8	2035.6	2063.4	2118.1	2191.3	2246.0	2182.8	2100.4	2048.0	2003.3	2004.8
37.5°	2179.0	2188.2	2226.7	2308.4	2413.2	2486.4	2393.9	2284.5	2216.7	2161.2	2157.4
40°	2372.4	2383.1	2435.5	2532.6	2659.7	2726.8	2619.7	2507.2	2423.2	2363.1	2353.9
42.5°	2594.3	2608.1	2665.1	2764.5	2891.7	2937.1	2832.3	2737.6	2662.1	2591.2	2588.1
45°	2844.7	2852.4	2898.6	2974.9	3066.6	3077.4	2998.8	2946.4	2870.1	2803.8	2798.4
47.5°	3079.7	3087.4	3119.0	3158.3	3179.8	3141.3	3127.4	3104.3	3005.7	2924.0	2907.1
50°	3258.4	3264.6	3303.9	3319.3	3259.2	3177.5	3204.5	3155.2	3048.1	2956.4	2930.2
52.5°	3246.1	3261.5	3362.4	3450.3	3412.5	3346.3	3273.8	3167.5	3001.1	2875.5	2843.1
55°	2794.6	2815.4	3031.9	3320.8	3578.9	3607.5	3317.8	2974.9	2662.1	2477.9	2444.8
57.5°	1796.0	1801.4	2065.7	2471.0	3052.7	3236.1	2751.4	2242.9	1853.8	1651.2	1637.3
60°	660.3	649.5	849.1	1185.0	1758.3	1952.4	1619.6	1134.2	809.0	665.7	654.2
62.5°	158.7	160.3	198.8	298.2	551.7	682.7	539.3	301.3	191.9	161.0	159.5
65°	80.1	78.6	79.4	85.5	117.9	141.0	115.6	81.7	78.6	79.4	78.6
67.5°	51.6	50.9	52.4	53.2	52.4	49.3	48.5	50.1	50.1	50.9	49.3
70°	31.6	30.8	32.4	34.7	33.1	29.3	30.8	32.4	30.8	30.0	30.0
72.5°	17.0	17.0	18.5	20.0	18.5	17.0	17.0	17.7	17.0	17.0	17.0
75°	7.7	7.7	8.5	9.2	7.7	7.7	7.7	7.7	7.7	7.7	7.7
77.5°	2.3	2.3	3.1	3.1	2.3	2.3	2.3	2.3	3.1	3.1	3.1
80°	0.8	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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)