

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: P634500

Luminaire Tested: GWS-SA3B-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634500  
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-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**

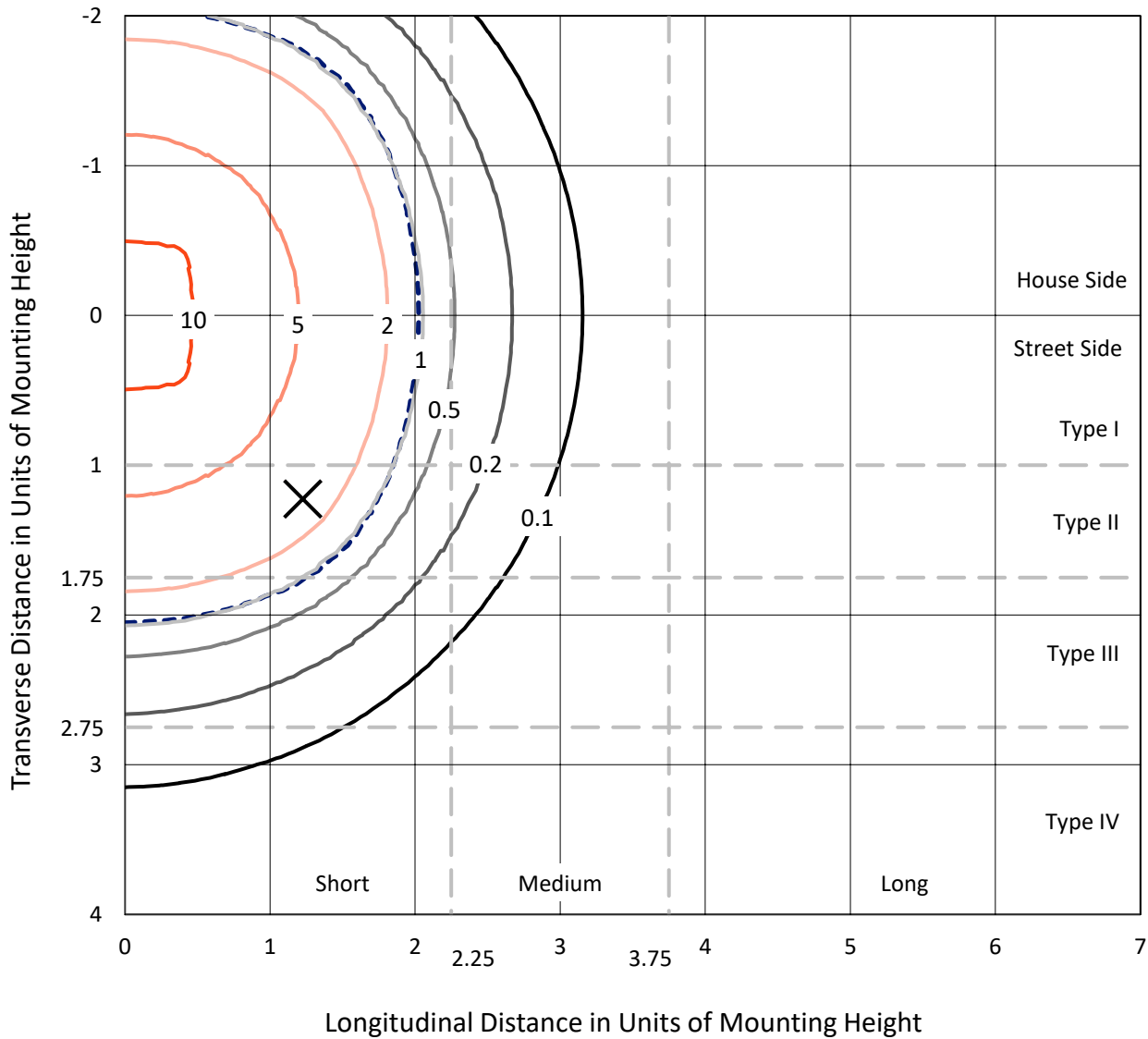
Lumens per Lamp: N/A  
Luminaire Lumens: 6978.3 lumens  
Efficiency: N/A  
Efficacy: 102.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

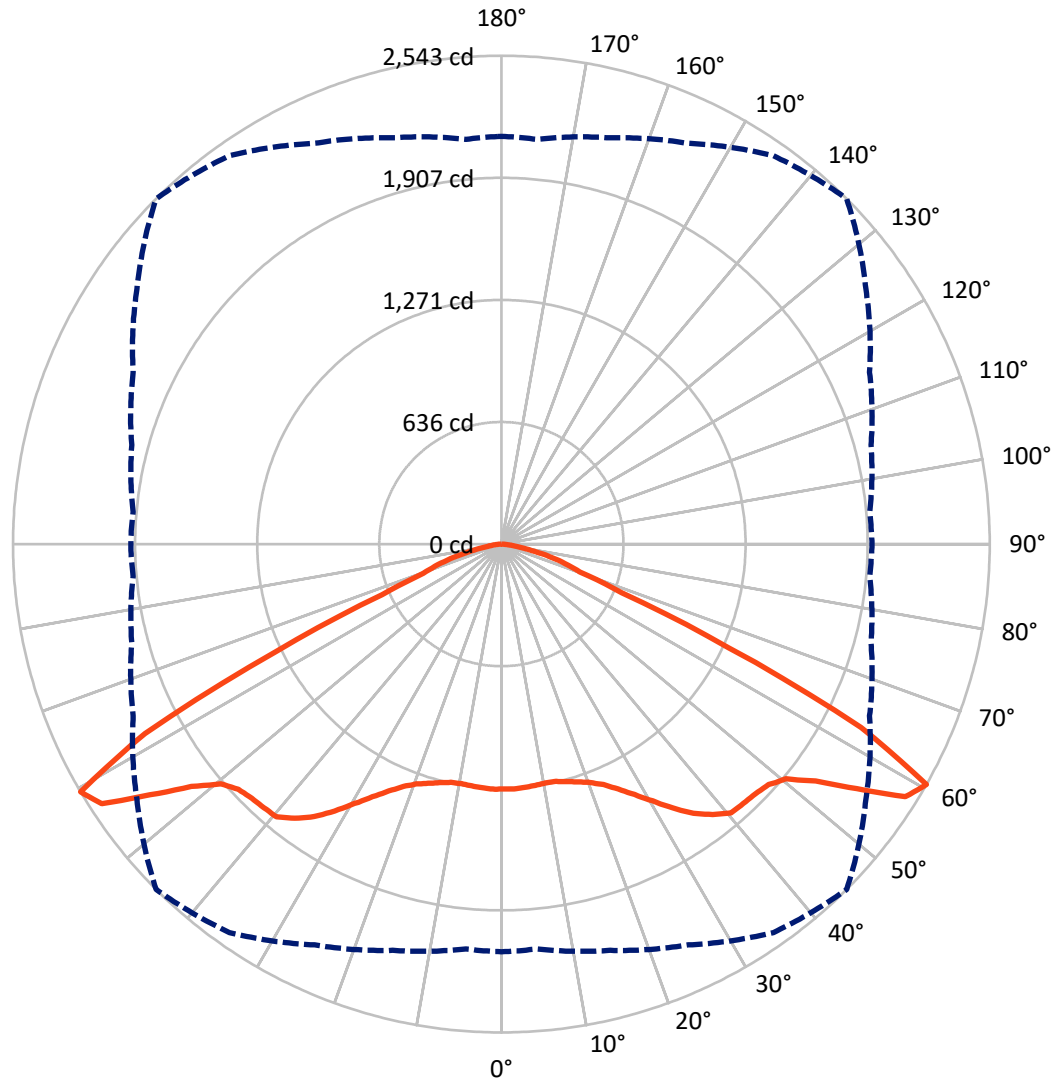
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 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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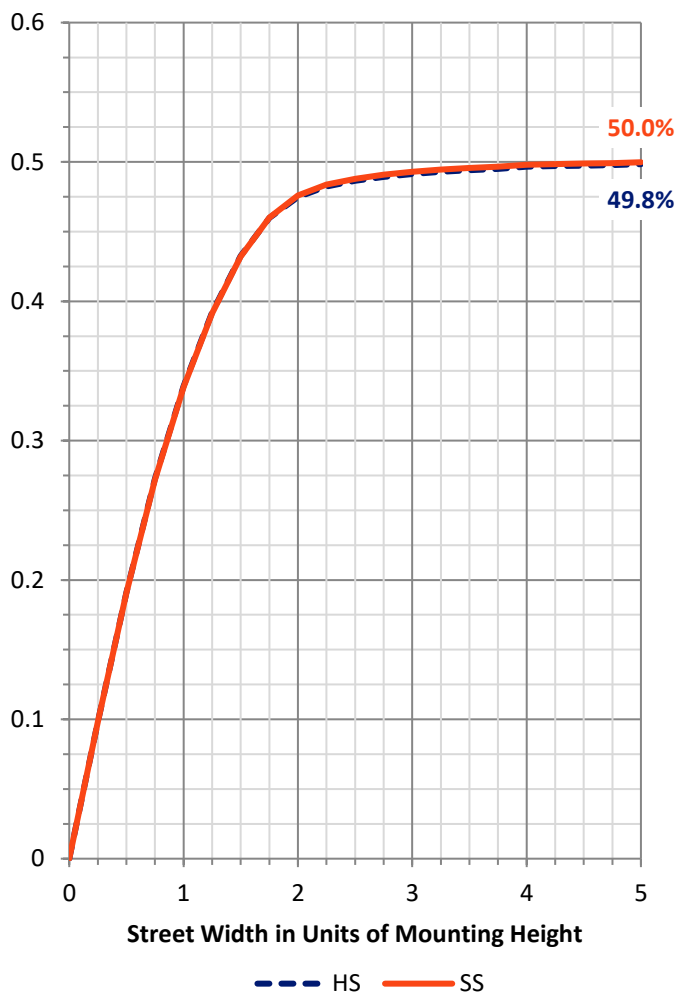
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3489.1	0.0	3489.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3489.1	0.0	3489.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6978.3	0.0	6978.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.9	1.7
10°-20°	363.8	5.2
20°-30°	643.6	9.2
30°-40°	1036.2	14.8
40°-50°	1424.2	20.4
50°-60°	1897.9	27.2
60°-70°	1182.9	17.0
70°-80°	272.0	3.9
80°-90°	36.9	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°	6978.3	100.0
0°-180°	6978.3	100.0

**Coefficient of Utilization**



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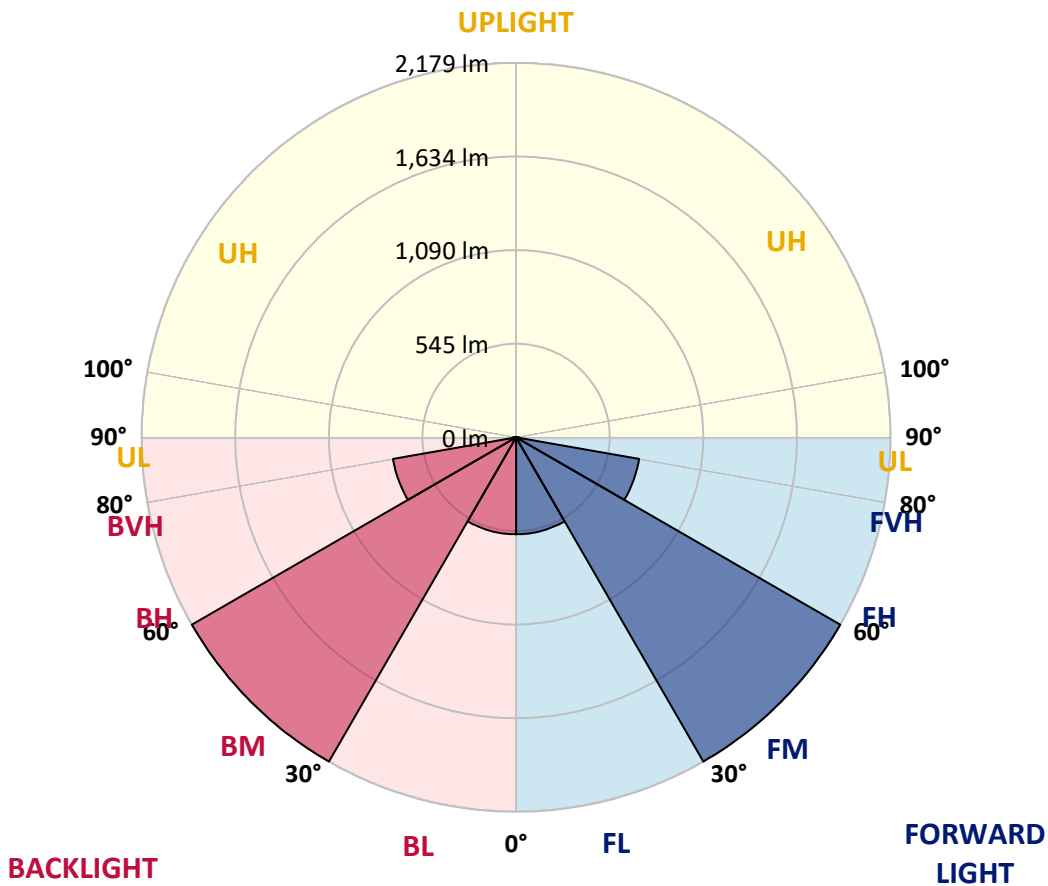
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	564.1	8.1			
FM (30°-60°)	2179.1	31.2			
FH (60°-80°)	727.4	10.4			G1/1800
FVH (80°-90°)	18.4	0.3			G1/100
BL (0°-30°)	564.1	8.1	B2/1000		
BM (30°-60°)	2179.1	31.2	B2/2500		
BH (60°-80°)	727.4	10.4	B2/1000		G1/1800
BVH (80°-90°)	18.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1275.3	1275.3	1275.3	1275.3	1275.3	1275.3	1275.3	1275.3	1275.3	1275.3	1275.3
2.5°	1266.4	1267.6	1269.9	1271.7	1274.1	1276.5	1277.6	1275.3	1274.1	1269.4	1274.7
5°	1267.6	1268.8	1270.5	1270.5	1271.1	1272.9	1272.9	1269.9	1267.0	1261.7	1267.6
7.5°	1265.8	1267.0	1267.6	1267.0	1267.6	1268.2	1267.0	1263.4	1260.5	1255.7	1260.5
10°	1262.8	1264.0	1265.2	1264.0	1262.8	1264.6	1264.6	1262.2	1260.5	1255.7	1261.1
12.5°	1269.4	1271.1	1271.7	1268.8	1267.6	1268.2	1268.2	1265.8	1265.8	1261.7	1267.6
15°	1284.8	1285.9	1284.2	1280.6	1281.2	1283.0	1278.8	1272.9	1271.7	1269.9	1274.7
17.5°	1296.6	1297.8	1296.0	1293.6	1297.8	1301.9	1294.2	1283.0	1279.4	1278.2	1283.6
20°	1309.6	1311.4	1309.0	1312.0	1320.3	1325.0	1315.6	1300.2	1293.0	1291.3	1297.8
22.5°	1331.0	1333.3	1333.3	1339.8	1352.3	1360.0	1348.1	1327.4	1316.7	1313.8	1320.3
25°	1364.7	1366.5	1368.3	1381.3	1401.4	1412.1	1393.1	1364.7	1349.9	1345.2	1348.7
27.5°	1411.5	1414.5	1417.4	1436.4	1461.3	1476.7	1449.4	1413.9	1395.5	1386.0	1393.1
30°	1467.2	1471.3	1478.4	1499.8	1534.7	1551.9	1516.9	1473.7	1453.0	1442.9	1452.4
32.5°	1543.0	1543.6	1548.9	1572.6	1618.8	1638.4	1594.5	1546.6	1525.2	1513.4	1518.7
35°	1633.0	1633.6	1625.3	1649.6	1699.4	1721.3	1669.8	1621.2	1603.4	1599.9	1613.5
37.5°	1725.4	1720.1	1711.8	1722.5	1772.8	1787.0	1732.5	1691.1	1683.4	1689.9	1710.0
40°	1791.2	1782.3	1765.7	1773.4	1824.4	1840.9	1782.9	1743.8	1741.4	1757.4	1781.7
42.5°	1833.8	1824.4	1804.8	1804.8	1839.8	1846.9	1801.9	1781.1	1786.5	1804.8	1827.9
45°	1854.6	1849.2	1838.0	1832.1	1851.6	1854.6	1820.2	1811.9	1822.0	1830.9	1848.6
47.5°	1870.6	1870.6	1867.0	1861.1	1870.0	1871.7	1846.3	1843.9	1856.9	1856.9	1868.8
50°	1899.0	1902.0	1906.7	1905.5	1915.0	1920.9	1902.0	1898.4	1903.7	1886.6	1892.5
52.5°	1973.6	1981.3	1994.9	2005.6	2029.9	2048.3	2014.5	1986.1	1958.2	1920.3	1921.5
55°	2107.5	2111.0	2137.7	2169.1	2210.0	2247.3	2178.0	2089.7	2029.3	1984.9	1985.5
57.5°	2220.6	2226.0	2265.0	2330.8	2422.6	2480.7	2327.2	2179.8	2094.5	2040.0	2041.7
60°	2122.9	2115.8	2189.8	2302.4	2468.8	2542.8	2316.6	2115.2	1992.6	1925.1	1929.8
62.5°	1642.5	1628.9	1711.2	1829.1	2028.7	2102.8	1894.3	1701.2	1585.1	1532.3	1524.6
65°	999.8	987.4	1046.6	1118.9	1254.0	1300.7	1205.4	1102.9	1001.6	969.6	960.8
67.5°	544.3	542.6	558.6	594.1	653.3	675.2	656.9	608.3	582.3	559.7	559.7
70°	431.8	428.3	425.3	425.9	431.2	434.2	434.8	432.4	435.4	436.0	433.6
72.5°	357.8	356.6	350.7	351.2	348.9	347.7	351.8	354.2	358.9	359.5	359.5
75°	259.4	256.5	259.4	260.0	257.7	257.7	260.6	260.0	262.4	263.6	257.1
77.5°	147.5	147.5	151.6	156.4	159.9	159.9	162.9	162.9	165.9	165.3	164.1
80°	81.1	81.1	83.5	86.5	90.0	93.6	96.5	97.1	98.9	98.3	96.5
82.5°	46.2	46.8	48.0	49.8	53.3	56.3	59.2	59.8	61.6	61.6	59.8
85°	21.9	21.3	21.9	23.1	24.9	27.2	30.2	32.0	33.2	33.2	32.0
87.5°	4.1	4.7	4.1	4.7	5.3	7.1	8.3	9.5	11.3	11.8	10.7
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)