

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: P634493

Luminaire Tested: GWS-SA3B-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634493  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-830-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5048.5 lumens  
Efficiency: N/A  
Efficacy: 73.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
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

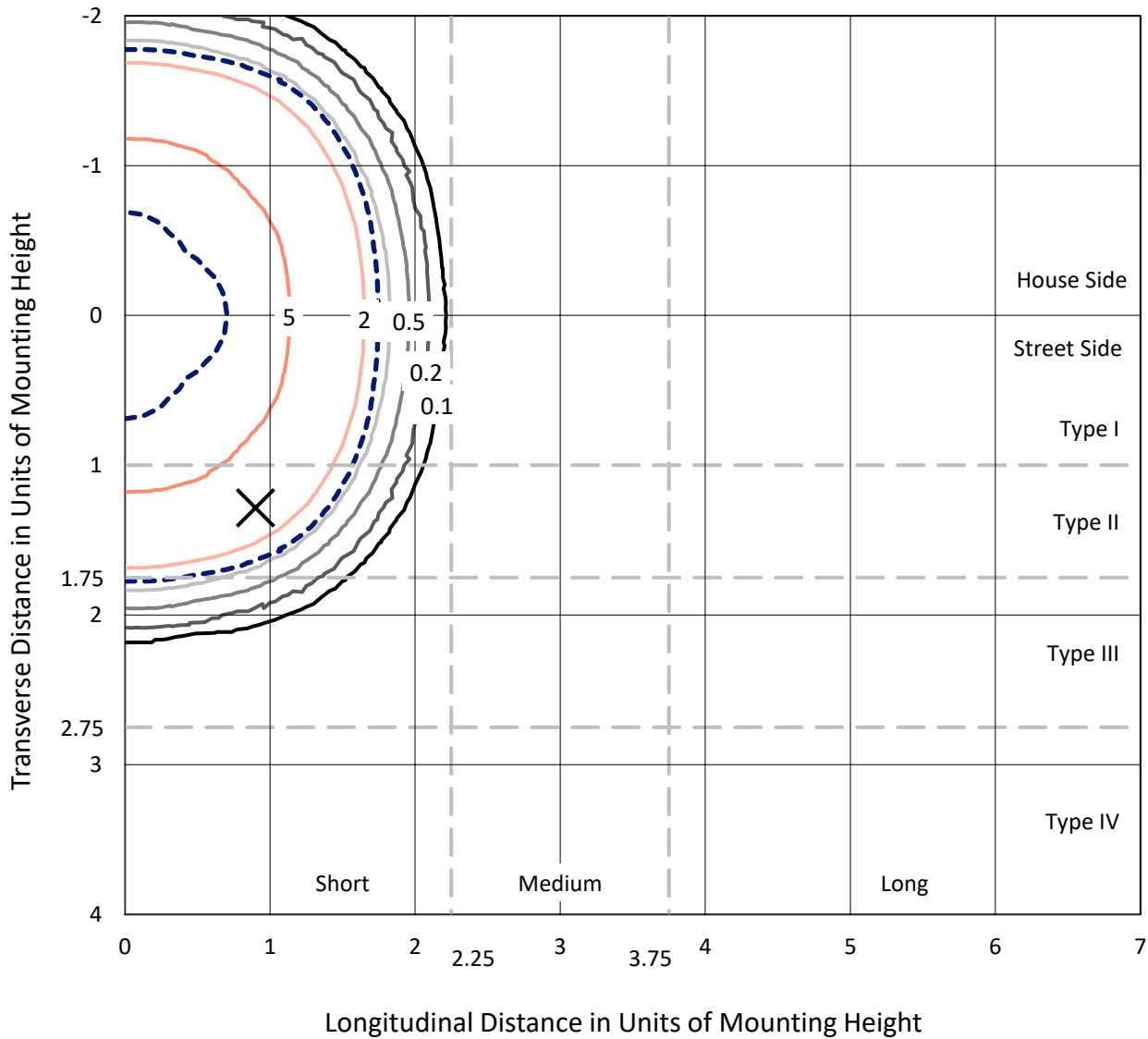


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### Iso-Footcandle Lines of Horizontal Illumination

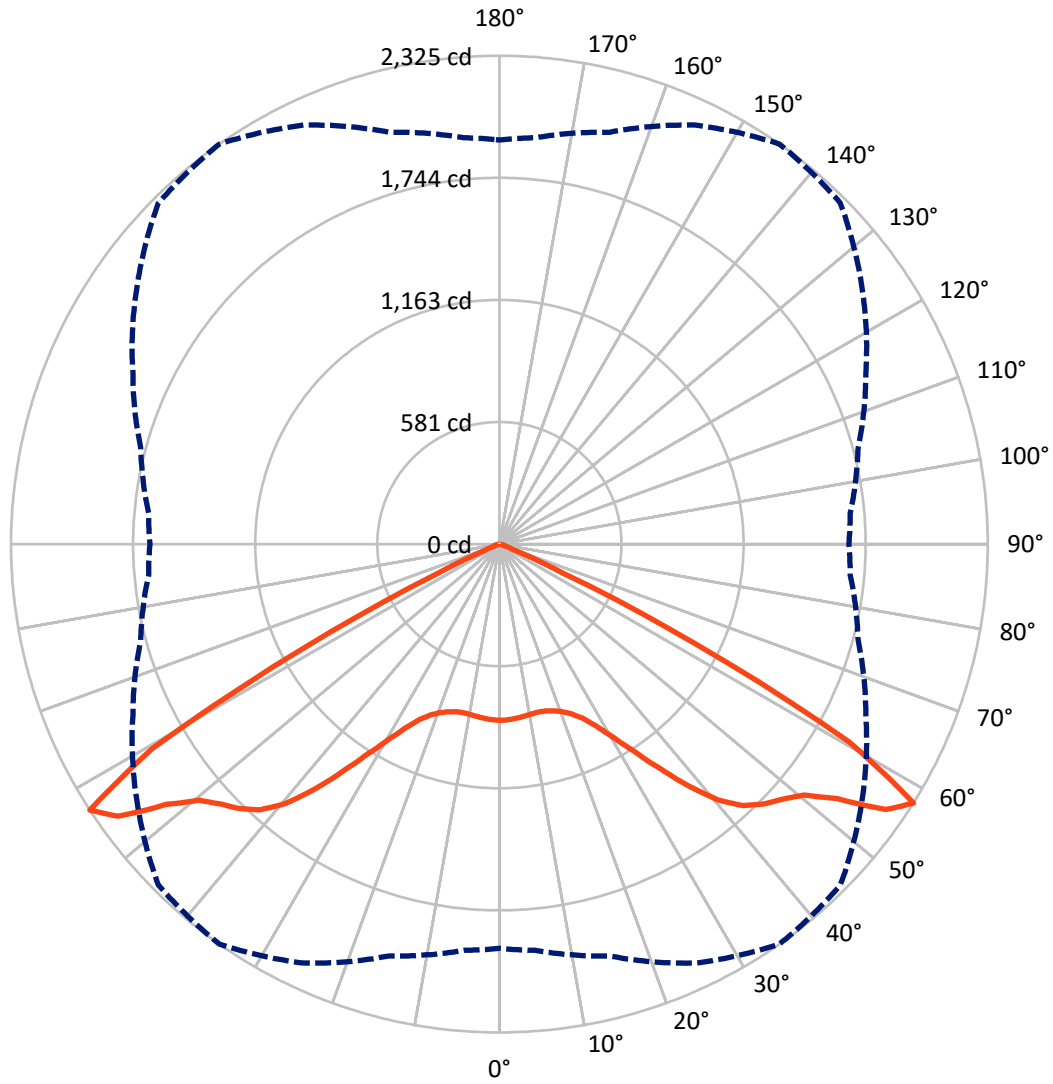
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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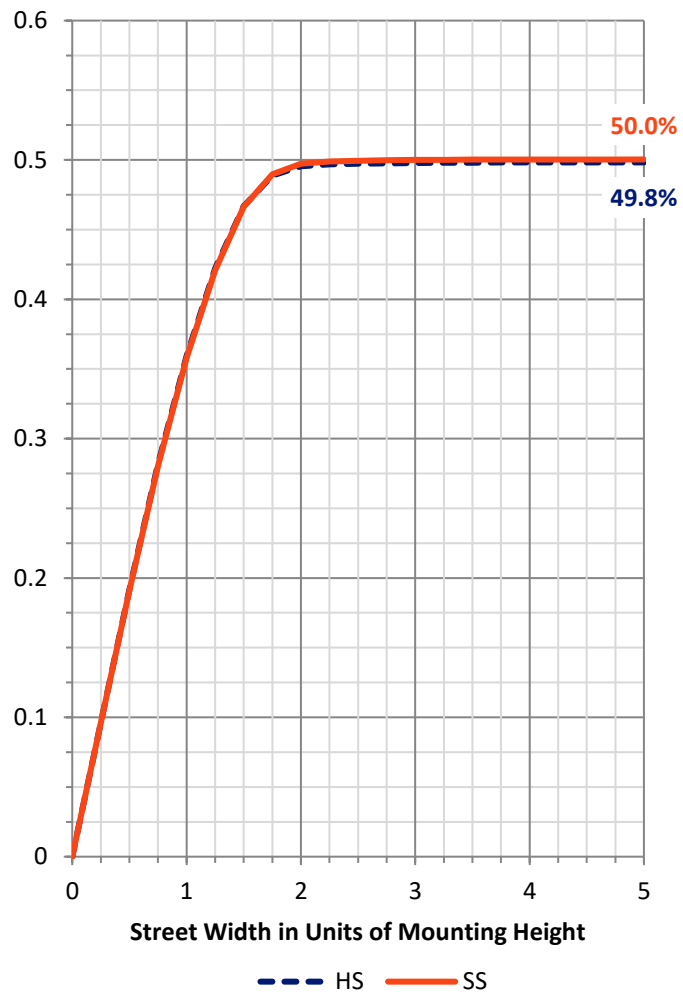
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2524.2	0.0	2524.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2524.2	0.0	2524.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5048.5	0.0	5048.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.1	1.6
10°-20°	232.6	4.6
20°-30°	420.5	8.3
30°-40°	784.4	15.5
40°-50°	1315.9	26.1
50°-60°	1737.8	34.4
60°-70°	461.5	9.1
70°-80°	16.4	0.3
80°-90°	0.3	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°	5048.5	100.0
0°-180°	5048.5	100.0

**Coefficient of Utilization**



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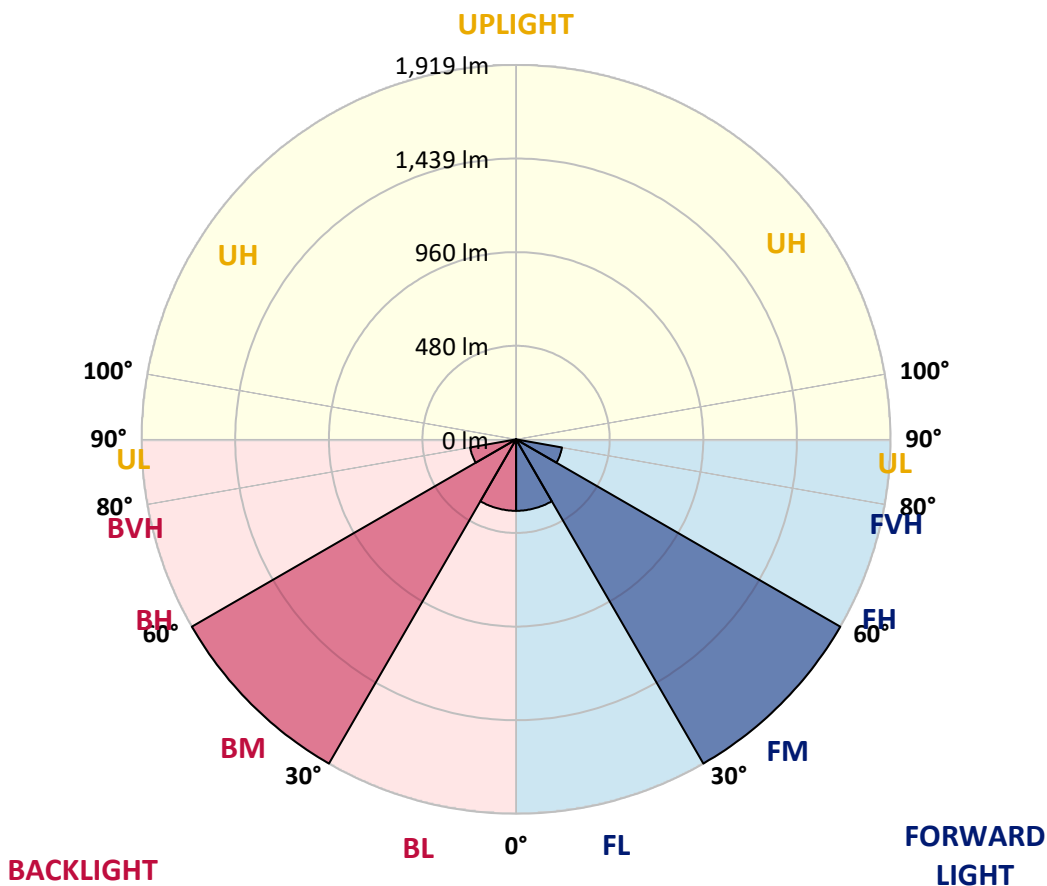
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	366.1	7.3			
FM (30°-60°)	1919.1	38.0			
FH (60°-80°)	238.9	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	366.1	7.3	B1/500		
BM (30°-60°)	1919.1	38.0	B2/2500		
BH (60°-80°)	238.9	4.7	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	839.4	839.4	839.4	839.4	839.4	839.4	839.4	839.4	839.4	839.4	839.4
2.5°	833.4	832.8	835.2	837.0	837.0	841.1	840.0	838.8	837.6	835.8	840.0
5°	832.3	831.7	833.4	834.6	833.4	837.0	834.6	832.3	831.1	828.7	833.4
7.5°	826.9	827.5	828.7	829.9	828.1	831.1	828.1	824.5	821.6	819.2	823.4
10°	818.6	819.2	820.4	822.8	823.4	827.5	823.4	816.8	812.7	809.1	813.3
12.5°	814.5	815.1	816.8	819.8	820.4	825.7	820.4	810.9	805.0	800.9	805.0
15°	815.7	816.8	819.2	822.8	824.0	829.3	822.2	809.7	801.4	796.1	799.7
17.5°	819.8	821.0	824.5	830.5	834.6	840.0	831.1	815.1	803.8	796.1	799.7
20°	825.1	826.9	832.8	842.3	851.2	860.7	849.4	827.5	812.7	803.2	806.2
22.5°	840.0	841.7	850.0	862.5	877.3	889.1	875.5	847.7	827.5	815.1	818.0
25°	870.2	871.9	882.6	898.6	917.5	932.9	915.8	880.8	854.8	840.5	841.7
27.5°	917.5	919.3	931.8	954.3	979.7	1001.7	976.8	935.9	906.3	889.7	889.7
30°	977.4	979.7	996.3	1026.5	1066.2	1095.3	1061.5	1011.7	973.8	951.3	951.9
32.5°	1054.4	1052.0	1075.7	1117.2	1173.4	1211.9	1162.2	1101.8	1055.0	1023.6	1026.5
35°	1153.3	1152.7	1179.4	1235.6	1309.1	1355.3	1296.1	1217.9	1161.6	1129.6	1130.2
37.5°	1280.7	1280.1	1310.9	1371.9	1460.1	1498.6	1432.3	1352.9	1292.5	1261.7	1265.3
40°	1429.9	1426.4	1453.6	1512.3	1600.5	1625.4	1553.1	1489.2	1431.1	1411.6	1421.0
42.5°	1572.1	1564.4	1580.4	1633.7	1701.8	1705.4	1650.9	1607.0	1567.4	1552.0	1557.9
45°	1686.4	1680.5	1695.3	1726.1	1765.2	1747.4	1721.4	1707.7	1675.8	1659.2	1664.5
47.5°	1771.7	1771.7	1789.5	1808.4	1814.4	1781.8	1785.9	1785.9	1753.9	1727.9	1721.4
50°	1845.2	1850.5	1877.2	1896.7	1877.2	1835.7	1859.4	1854.6	1789.5	1737.4	1723.7
52.5°	1962.5	1967.8	2008.7	2035.3	2013.4	1972.5	1975.5	1916.2	1820.3	1758.7	1737.4
55°	2086.8	2099.9	2159.1	2230.2	2230.8	2188.7	2110.5	2005.7	1889.0	1822.1	1800.1
57.5°	1923.9	1941.7	2030.0	2201.2	2325.0	2295.9	2109.4	1925.1	1767.6	1676.3	1663.9
60°	1323.9	1354.7	1443.0	1676.9	1915.7	1926.9	1706.6	1499.8	1319.2	1206.6	1209.0
62.5°	559.2	590.6	640.3	832.8	1052.0	1065.6	959.0	810.9	663.4	582.3	594.7
65°	131.5	140.4	155.2	230.4	334.1	349.5	322.2	251.2	185.4	157.0	159.9
67.5°	57.5	58.6	55.7	59.2	73.5	75.2	72.9	64.0	60.4	61.6	61.6
70°	40.3	40.9	38.5	36.7	34.9	32.6	33.8	37.3	40.3	42.6	42.1
72.5°	24.9	25.5	26.1	26.1	24.3	21.9	23.1	25.5	26.1	26.7	26.1
75°	12.4	13.0	14.2	14.8	14.2	13.6	13.6	14.2	14.2	13.6	13.6
77.5°	2.4	3.0	4.1	4.7	4.7	4.7	4.7	4.7	5.3	4.7	4.7
80°	0.6	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
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)