

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: P631857

Luminaire Tested: GWS-SA2B-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631857  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-750-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

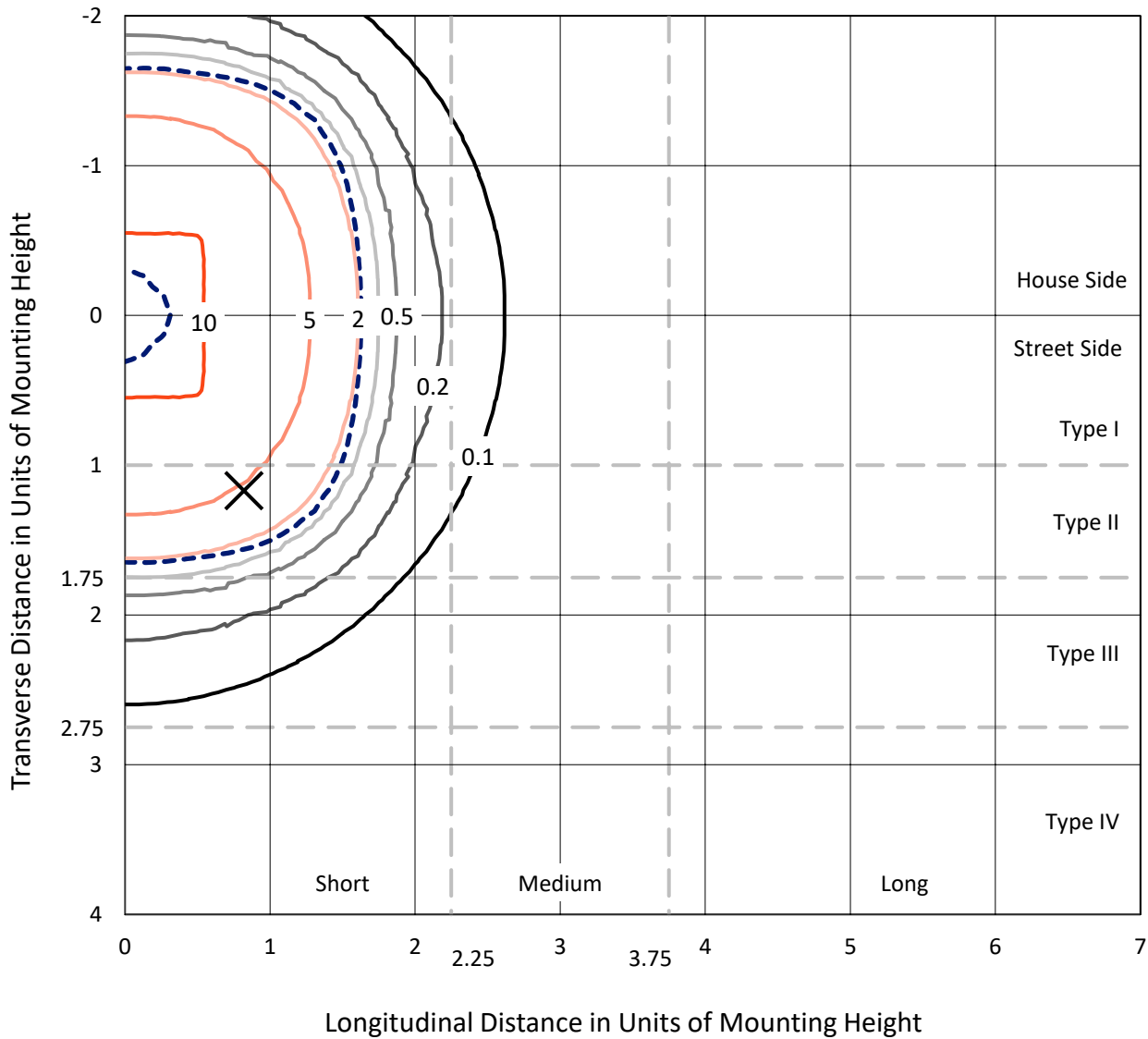
Lumens per Lamp: N/A  
Luminaire Lumens: 6399.7 lumens  
Efficiency: N/A  
Efficacy: 137.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

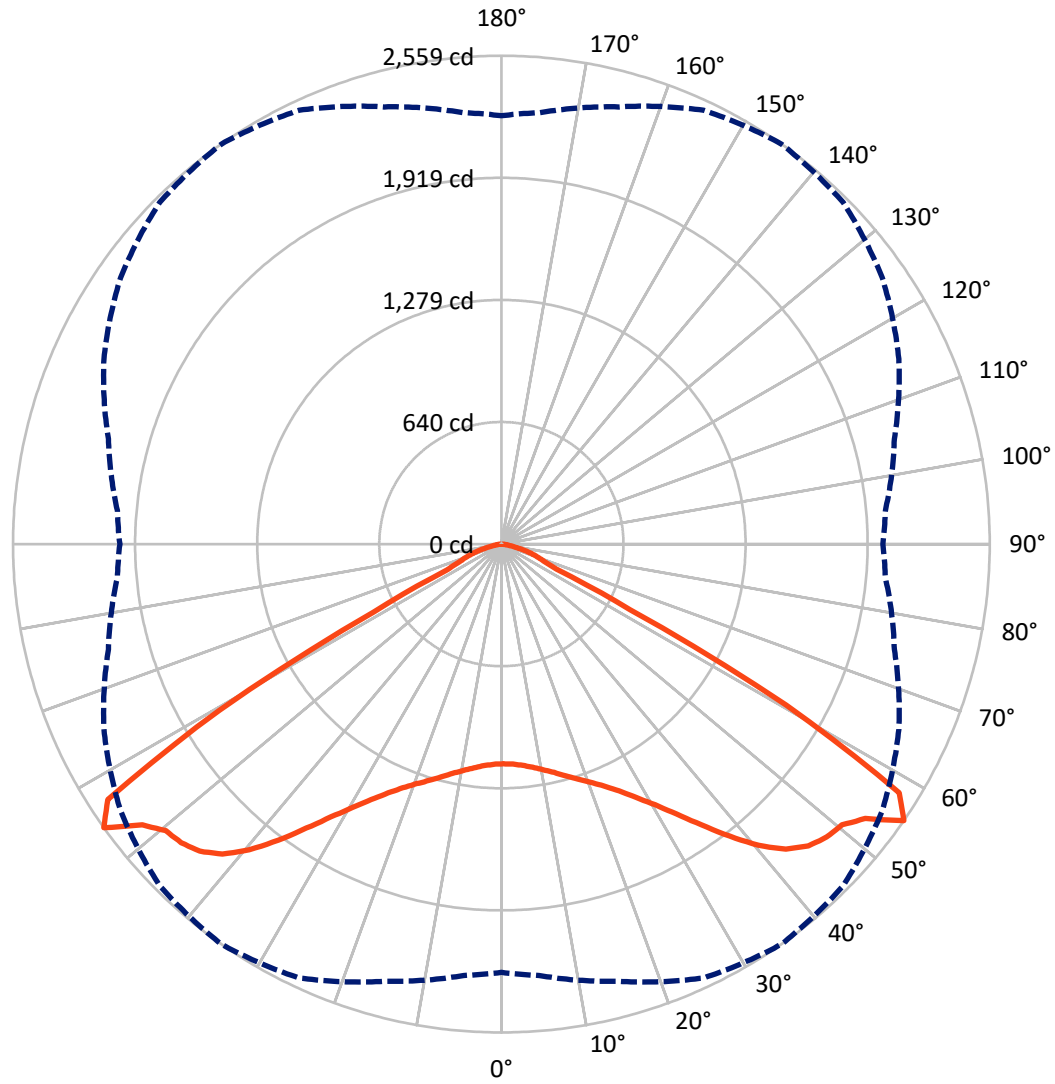
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3199.8	0.0	3199.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3199.8	0.0	3199.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6399.7	0.0	6399.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.3	1.8
10°-20°	357.5	5.6
20°-30°	661.7	10.3
30°-40°	1106.9	17.3
40°-50°	1686.8	26.4
50°-60°	1889.5	29.5
60°-70°	447.1	7.0
70°-80°	120.5	1.9
80°-90°	17.3	0.3
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°	6399.7	100.0
0°-180°	6399.7	100.0

**Coefficient of Utilization**



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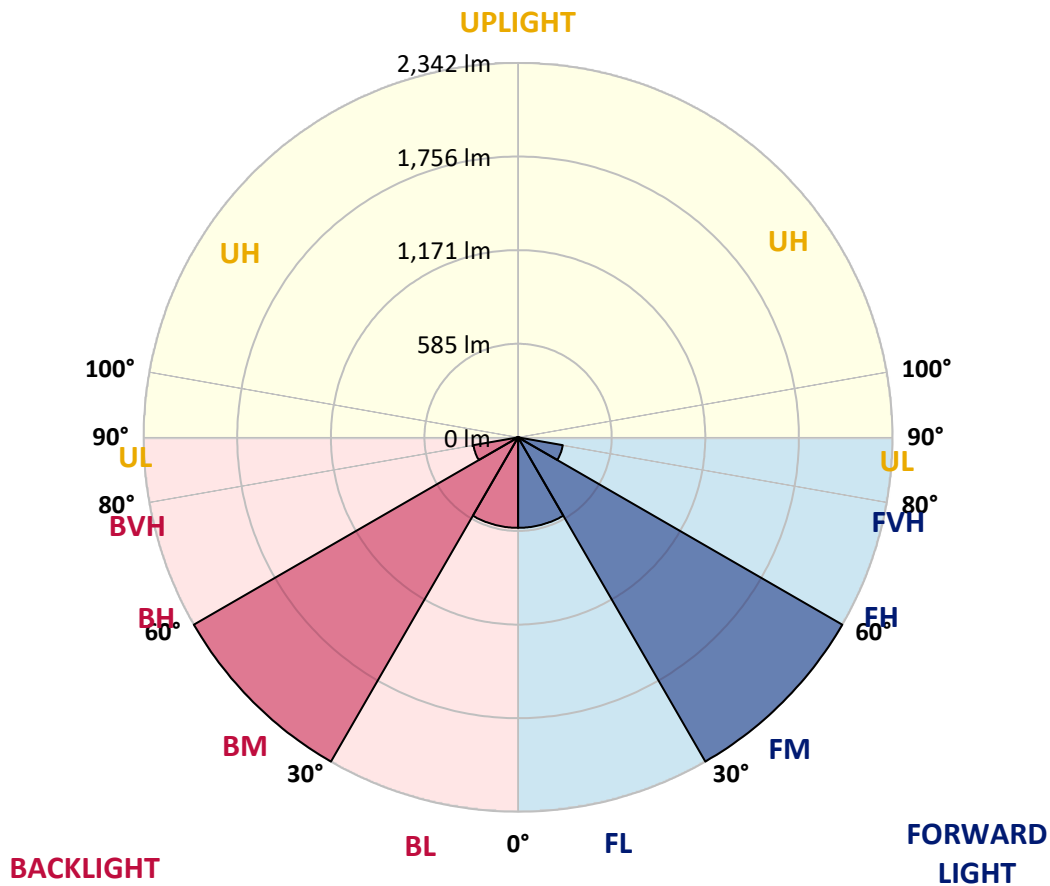
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	565.8	8.8			
FM (30°-60°)	2341.6	36.6			
FH (60°-80°)	283.8	4.4			G0/660
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	565.8	8.8	B2/1000		
BM (30°-60°)	2341.6	36.6	B2/2500		
BH (60°-80°)	283.8	4.4	B1/500		G0/660
BVH (80°-90°)	8.7	0.1			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°	1151.3	1151.3	1151.3	1151.3	1151.3	1151.3	1151.3	1151.3	1151.3	1151.3	1151.3
2.5°	1148.8	1148.8	1150.8	1153.3	1153.9	1158.9	1157.9	1155.9	1154.9	1152.8	1157.4
5°	1161.4	1162.0	1163.5	1165.0	1164.0	1168.0	1166.5	1164.0	1162.5	1159.9	1164.5
7.5°	1178.1	1178.1	1179.7	1181.7	1180.7	1186.7	1183.7	1180.2	1177.6	1174.6	1178.7
10°	1193.3	1194.3	1195.9	1199.9	1201.9	1208.5	1206.5	1201.4	1197.4	1193.8	1198.4
12.5°	1216.1	1217.1	1218.6	1224.2	1227.7	1234.3	1231.3	1224.2	1218.1	1213.1	1218.1
15°	1245.5	1244.4	1248.5	1255.6	1260.1	1266.2	1262.7	1250.5	1242.4	1235.8	1240.9
17.5°	1275.3	1274.8	1278.9	1288.0	1294.5	1302.6	1296.6	1282.4	1273.8	1265.7	1270.8
20°	1307.7	1309.2	1313.3	1321.9	1331.5	1342.1	1337.1	1321.9	1312.3	1303.1	1307.2
22.5°	1347.7	1348.2	1352.7	1363.9	1376.5	1386.6	1383.6	1364.9	1352.7	1343.1	1348.2
25°	1395.8	1395.3	1401.3	1414.5	1432.2	1442.3	1435.7	1415.0	1401.8	1390.7	1394.7
27.5°	1450.9	1450.4	1459.5	1476.7	1502.0	1516.2	1502.5	1476.7	1458.5	1442.8	1446.4
30°	1520.3	1518.7	1528.9	1552.1	1585.0	1608.8	1588.6	1552.6	1528.9	1512.2	1515.7
32.5°	1597.2	1599.2	1611.9	1643.2	1684.7	1715.6	1685.2	1645.3	1613.4	1589.1	1593.1
35°	1681.7	1681.7	1707.5	1746.5	1805.7	1846.7	1799.6	1741.9	1699.4	1666.0	1667.0
37.5°	1775.8	1776.8	1810.7	1864.4	1941.8	1989.9	1926.1	1854.8	1803.1	1767.2	1765.2
40°	1890.7	1893.7	1928.7	1988.4	2075.4	2119.4	2051.1	1981.3	1928.7	1886.1	1882.1
42.5°	2020.3	2021.3	2058.2	2111.9	2185.2	2211.6	2157.9	2100.7	2057.7	2019.2	2015.2
45°	2143.7	2141.2	2173.1	2213.1	2255.6	2258.1	2228.3	2205.0	2167.5	2134.6	2128.6
47.5°	2239.9	2237.9	2266.7	2288.5	2293.5	2268.7	2278.4	2281.9	2238.4	2193.8	2182.2
50°	2298.6	2302.6	2330.0	2342.1	2312.3	2271.8	2308.2	2299.1	2236.9	2178.7	2159.9
52.5°	2334.0	2340.1	2387.7	2418.5	2387.7	2349.2	2354.3	2300.6	2211.0	2134.1	2109.8
55°	2244.4	2268.7	2371.5	2508.1	2558.7	2531.9	2435.7	2297.6	2131.6	2019.7	1999.0
57.5°	1663.5	1701.9	1854.3	2150.3	2458.0	2555.7	2274.8	1926.1	1674.6	1530.9	1518.7
60°	849.2	892.2	1014.2	1318.3	1714.1	1851.7	1584.5	1233.3	980.3	863.9	850.7
62.5°	346.7	353.7	393.7	511.1	757.6	874.0	767.7	539.0	404.9	373.0	373.5
65°	272.8	274.3	272.3	279.4	317.3	352.2	325.4	285.9	278.8	282.4	279.9
67.5°	237.9	238.4	236.8	236.8	238.4	236.8	239.9	241.4	242.4	246.5	243.9
70°	198.9	199.4	199.4	200.4	199.9	197.4	201.9	203.9	204.5	207.0	205.5
72.5°	153.8	155.4	156.4	156.9	156.4	154.9	157.4	160.9	160.4	163.0	160.4
75°	104.3	106.3	107.3	109.3	108.8	108.8	111.8	113.4	111.8	113.9	111.8
77.5°	59.2	60.7	63.8	65.8	67.8	69.3	71.4	72.4	71.9	72.9	71.9
80°	34.4	34.9	37.4	38.5	41.0	43.5	45.5	46.6	47.1	47.6	47.1
82.5°	19.7	20.2	21.3	22.3	24.3	26.3	28.3	29.9	29.9	30.4	29.9
85°	9.6	9.6	10.1	10.6	11.6	13.2	14.7	16.2	16.7	16.7	16.7
87.5°	1.5	1.5	2.0	2.0	2.5	3.0	4.0	5.1	5.6	5.6	5.6
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)