

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: P631802

Luminaire Tested: GWS-SA2B-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631802  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

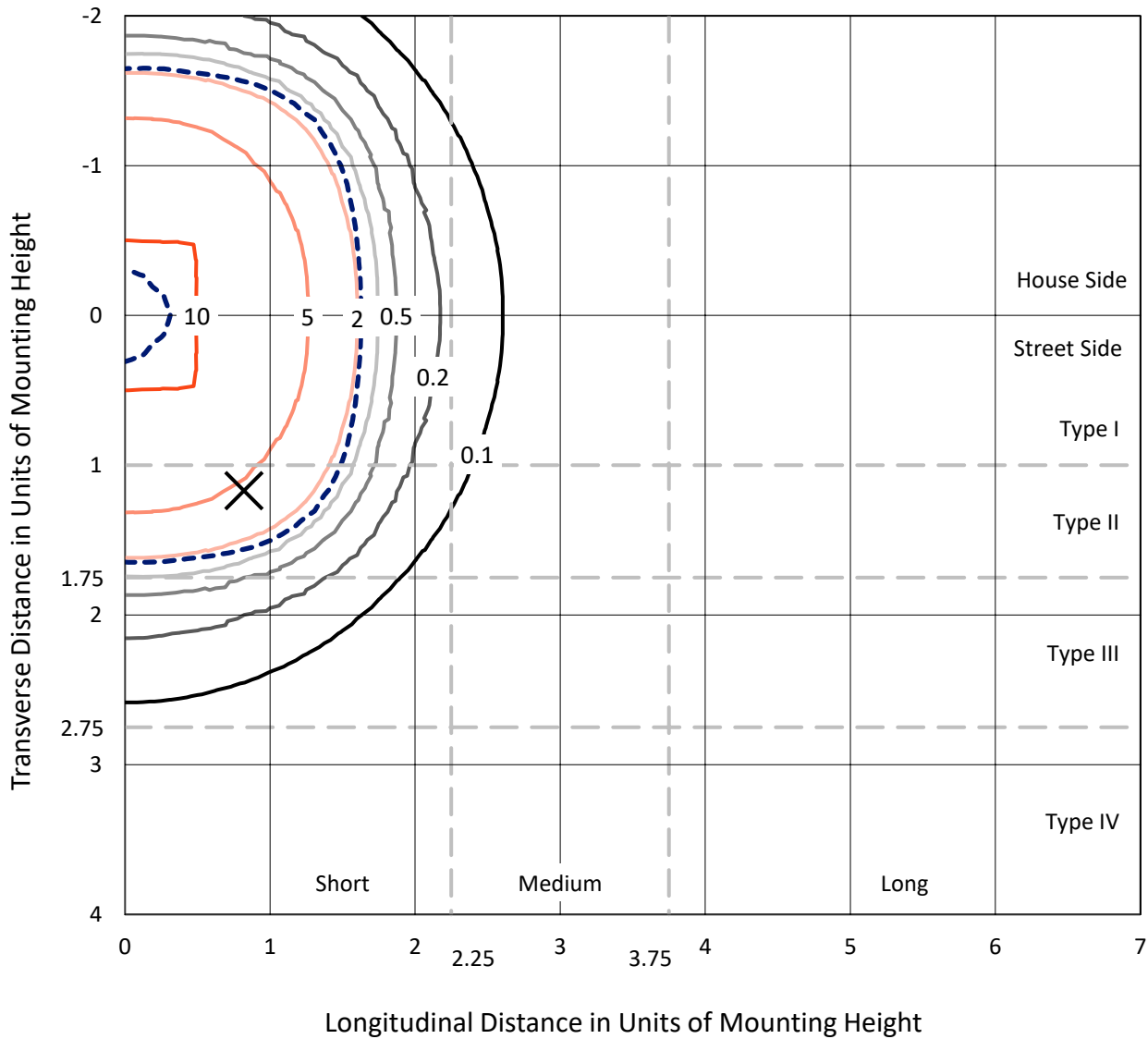
Lumens per Lamp: N/A  
Luminaire Lumens: 6256.3 lumens  
Efficiency: N/A  
Efficacy: 134.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

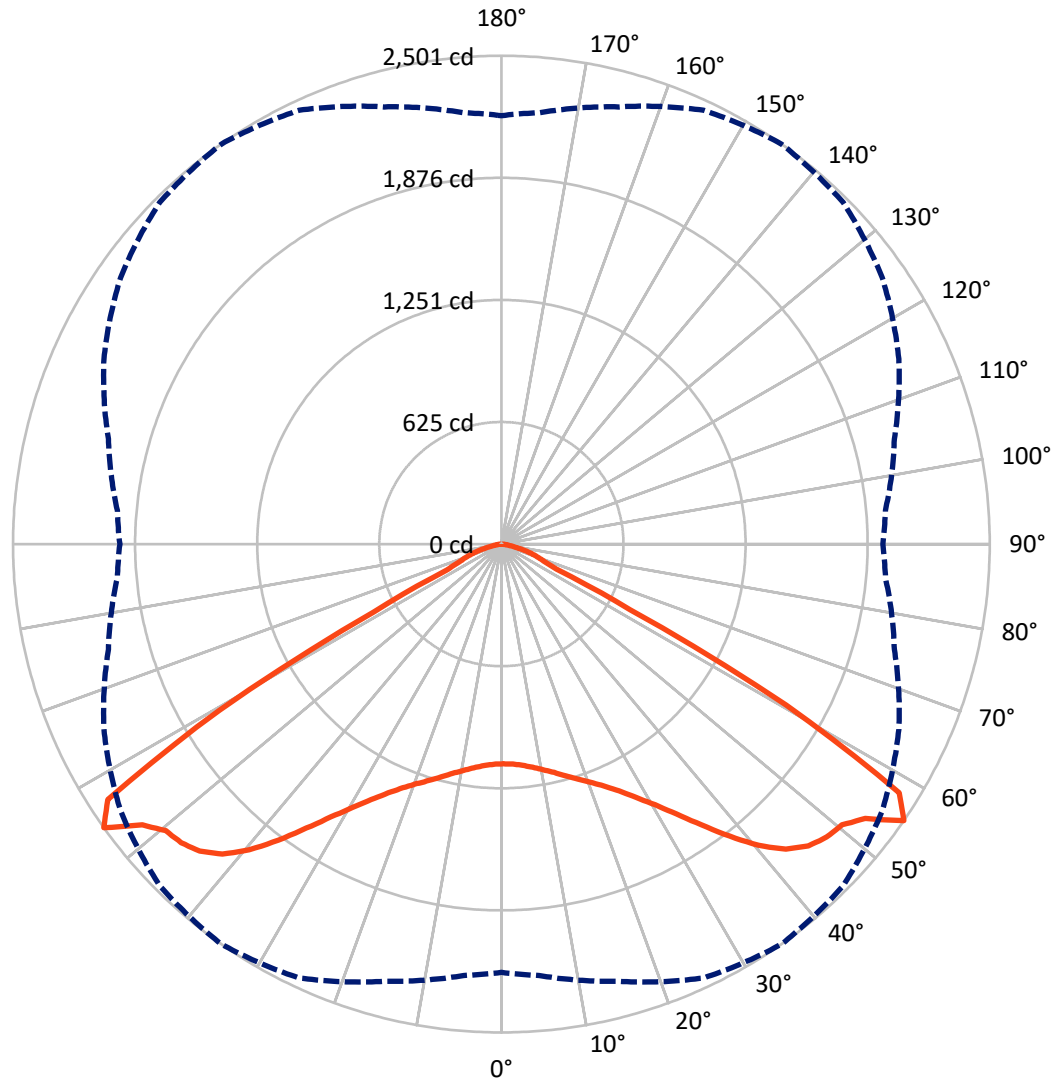
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 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	3128.1	0.0	3128.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3128.1	0.0	3128.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6256.3	0.0	6256.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.8	1.8
10°-20°	349.5	5.6
20°-30°	646.9	10.3
30°-40°	1082.1	17.3
40°-50°	1649.0	26.4
50°-60°	1847.2	29.5
60°-70°	437.1	7.0
70°-80°	117.8	1.9
80°-90°	17.0	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°	6256.3	100.0
0°-180°	6256.3	100.0

**Coefficient of Utilization**



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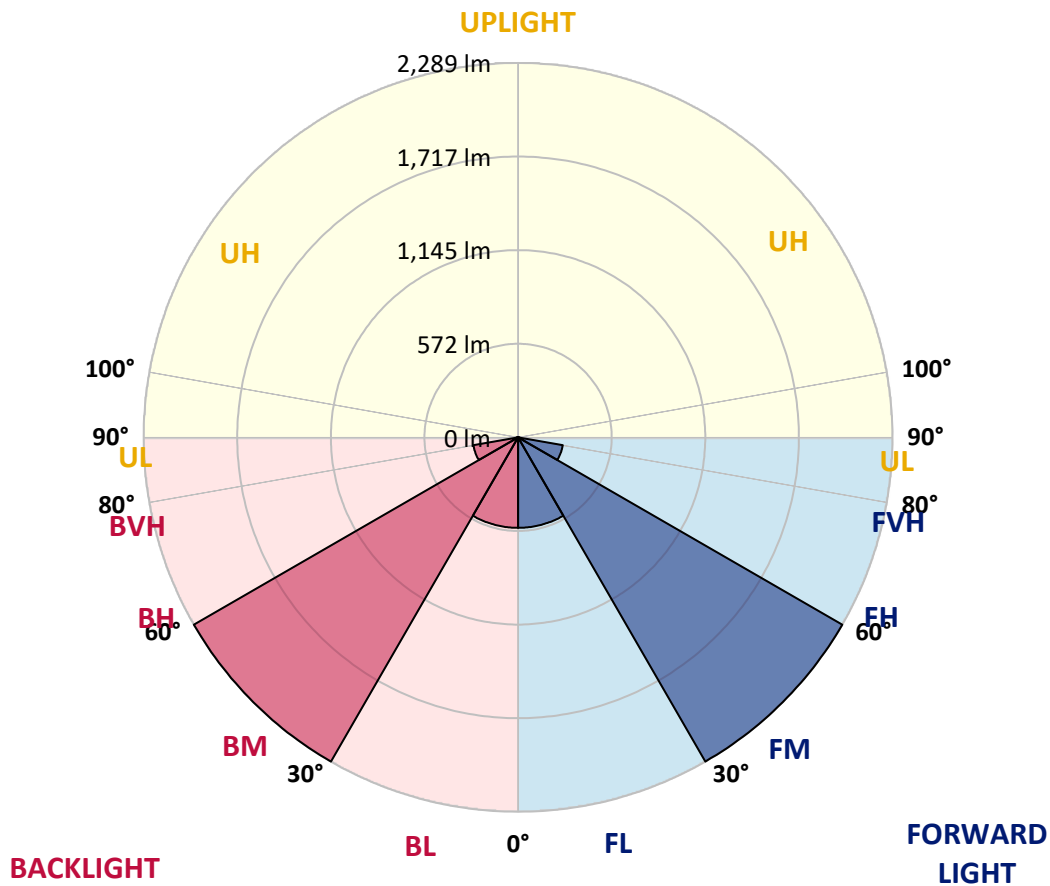
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	553.1	8.8			
FM (30°-60°)	2289.1	36.6			
FH (60°-80°)	277.4	4.4			G0/660
FVH (80°-90°)	8.5	0.1			G0/10
BL (0°-30°)	553.1	8.8	B2/1000		
BM (30°-60°)	2289.1	36.6	B2/2500		
BH (60°-80°)	277.4	4.4	B1/500		G0/660
BVH (80°-90°)	8.5	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°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5
2.5°	1123.1	1123.1	1125.0	1127.5	1128.0	1132.9	1132.0	1130.0	1129.0	1127.0	1131.5
5°	1135.4	1135.9	1137.4	1138.9	1137.9	1141.9	1140.4	1137.9	1136.4	1133.9	1138.4
7.5°	1151.7	1151.7	1153.2	1155.2	1154.2	1160.2	1157.2	1153.7	1151.3	1148.3	1152.2
10°	1166.6	1167.6	1169.1	1173.0	1175.0	1181.4	1179.5	1174.5	1170.5	1167.1	1171.5
12.5°	1188.9	1189.8	1191.3	1196.8	1200.2	1206.7	1203.7	1196.8	1190.8	1185.9	1190.8
15°	1217.5	1216.6	1220.5	1227.4	1231.9	1237.8	1234.4	1222.5	1214.6	1208.1	1213.1
17.5°	1246.7	1246.2	1250.2	1259.1	1265.5	1273.5	1267.5	1253.7	1245.3	1237.3	1242.3
20°	1278.4	1279.9	1283.8	1292.3	1301.7	1312.0	1307.1	1292.3	1282.9	1273.9	1277.9
22.5°	1317.5	1318.0	1322.4	1333.3	1345.7	1355.6	1352.6	1334.3	1322.4	1313.0	1318.0
25°	1364.5	1364.0	1369.9	1382.8	1400.1	1410.0	1403.6	1383.3	1370.4	1359.5	1363.5
27.5°	1418.4	1417.9	1426.8	1443.6	1468.4	1482.2	1468.9	1443.6	1425.8	1410.5	1414.0
30°	1486.2	1484.7	1494.6	1517.4	1549.5	1572.8	1553.0	1517.9	1494.6	1478.3	1481.7
32.5°	1561.4	1563.4	1575.7	1606.4	1647.0	1677.2	1647.5	1608.4	1577.2	1553.5	1557.4
35°	1644.0	1644.0	1669.2	1707.3	1765.2	1805.3	1759.3	1702.9	1661.3	1628.7	1629.7
37.5°	1736.0	1737.0	1770.2	1822.6	1898.3	1945.3	1883.0	1813.2	1762.7	1727.6	1725.6
40°	1848.3	1851.3	1885.4	1943.8	2028.9	2072.0	2005.2	1936.9	1885.4	1843.9	1839.9
42.5°	1975.0	1976.0	2012.1	2064.5	2136.3	2162.0	2109.6	2053.7	2011.6	1974.0	1970.0
45°	2095.7	2093.2	2124.4	2163.5	2205.0	2207.5	2178.3	2155.6	2119.0	2086.8	2080.9
47.5°	2189.7	2187.7	2215.9	2237.2	2242.1	2217.9	2227.3	2230.8	2188.2	2144.7	2133.3
50°	2247.1	2251.1	2277.8	2289.6	2260.5	2220.9	2256.5	2247.6	2186.7	2129.8	2111.5
52.5°	2281.7	2287.7	2334.2	2364.3	2334.2	2296.6	2301.5	2249.1	2161.5	2086.3	2062.6
55°	2194.2	2217.9	2318.3	2451.9	2501.4	2475.2	2381.2	2246.1	2083.8	1974.5	1954.2
57.5°	1626.2	1663.8	1812.7	2102.1	2402.9	2498.4	2223.8	1883.0	1637.1	1496.6	1484.7
60°	830.2	872.2	991.5	1288.8	1675.7	1810.2	1549.0	1205.7	958.3	844.5	831.7
62.5°	338.9	345.8	384.9	499.7	740.6	854.4	750.5	526.9	395.8	364.6	365.1
65°	266.7	268.1	266.2	273.1	310.2	344.3	318.1	279.5	272.6	276.1	273.6
67.5°	232.5	233.0	231.5	231.5	233.0	231.5	234.5	236.0	237.0	240.9	238.5
70°	194.4	194.9	194.9	195.9	195.4	192.9	197.4	199.4	199.9	202.3	200.9
72.5°	150.4	151.9	152.9	153.4	152.9	151.4	153.9	157.3	156.8	159.3	156.8
75°	101.9	103.9	104.9	106.9	106.4	106.4	109.3	110.8	109.3	111.3	109.3
77.5°	57.9	59.4	62.3	64.3	66.3	67.8	69.8	70.7	70.3	71.2	70.3
80°	33.6	34.1	36.6	37.6	40.1	42.5	44.5	45.5	46.0	46.5	46.0
82.5°	19.3	19.8	20.8	21.8	23.7	25.7	27.7	29.2	29.2	29.7	29.2
85°	9.4	9.4	9.9	10.4	11.4	12.9	14.3	15.8	16.3	16.3	16.3
87.5°	1.5	1.5	2.0	2.0	2.5	3.0	4.0	4.9	5.4	5.4	5.4
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)