

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: P631912

Luminaire Tested: GWS-SA2B-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631912
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6312 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

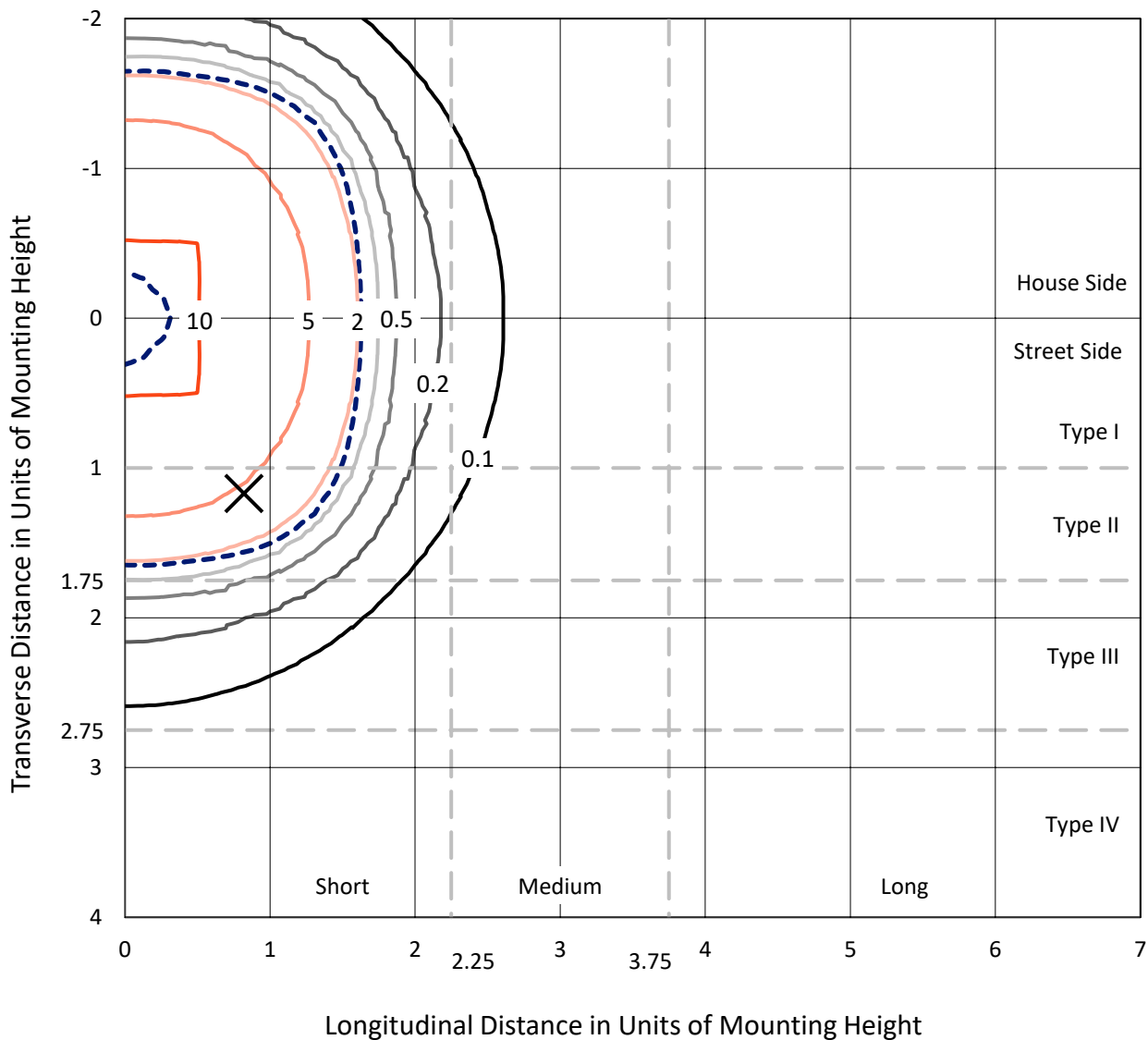
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

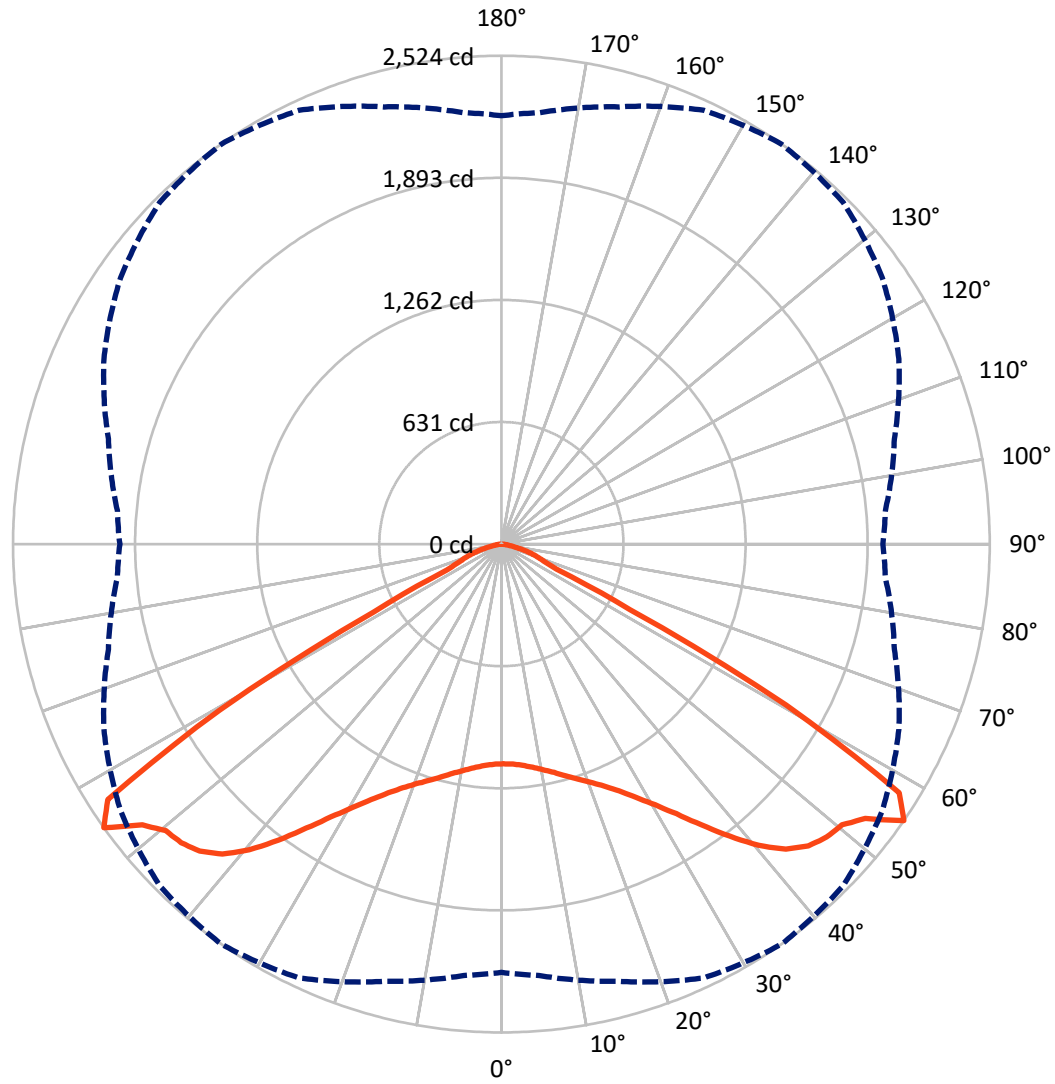
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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
House Side	Lumens	3156.0	0.0	3156.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3156.0	0.0	3156.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6312.0	0.0	6312.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	1.8
10°-20°	352.6	5.6
20°-30°	652.6	10.3
30°-40°	1091.7	17.3
40°-50°	1663.6	26.4
50°-60°	1863.6	29.5
60°-70°	441.0	7.0
70°-80°	118.9	1.9
80°-90°	17.1	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°	6312.0	100.0
0°-180°	6312.0	100.0

Coefficient of Utilization



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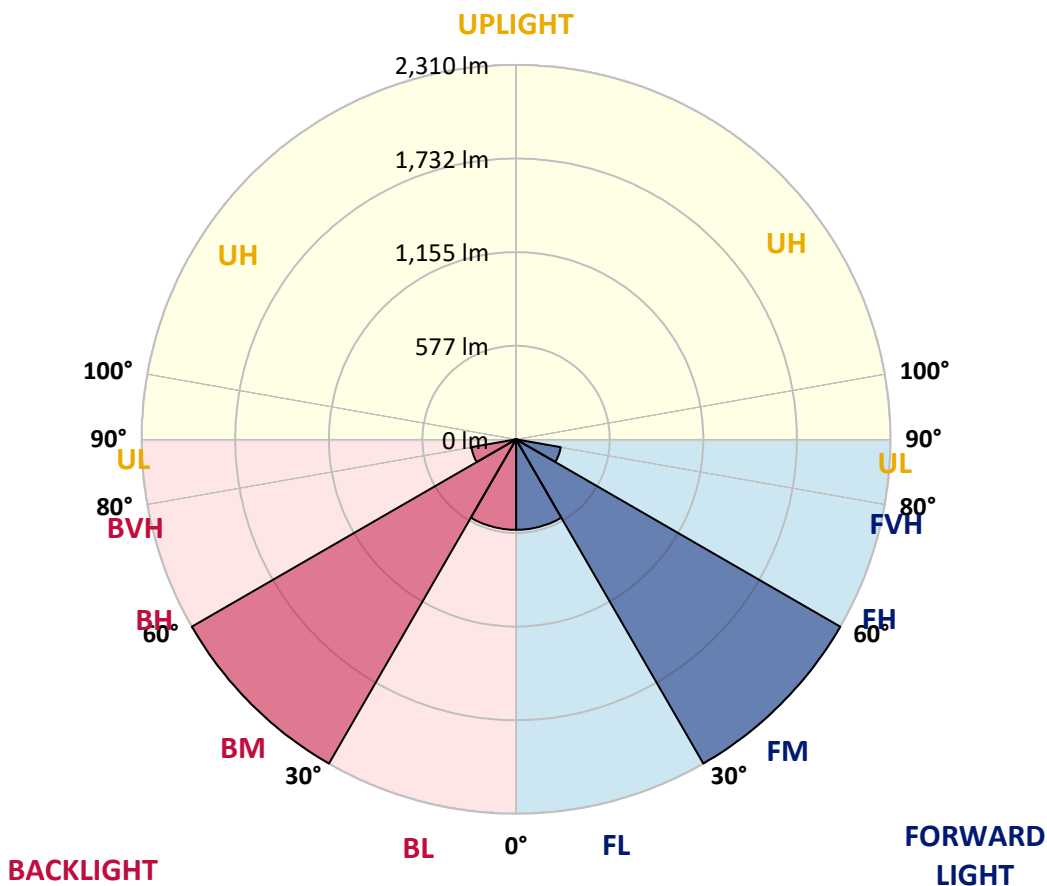
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	558.0	8.8			
FM (30°-60°)	2309.5	36.6			
FH (60°-80°)	279.9	4.4			G0/660
FVH (80°-90°)	8.6	0.1			G0/10
BL (0°-30°)	558.0	8.8	B2/1000		
BM (30°-60°)	2309.5	36.6	B2/2500		
BH (60°-80°)	279.9	4.4	B1/500		G0/660
BVH (80°-90°)	8.6	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°	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5	1135.5
2.5°	1133.1	1133.1	1135.0	1137.5	1138.0	1143.0	1142.0	1140.0	1139.0	1137.0	1141.5
5°	1145.5	1146.0	1147.5	1149.0	1148.0	1152.0	1150.5	1148.0	1146.5	1144.0	1148.5
7.5°	1162.0	1162.0	1163.5	1165.5	1164.5	1170.5	1167.5	1164.0	1161.5	1158.5	1162.5
10°	1177.0	1178.0	1179.5	1183.5	1185.5	1191.9	1190.0	1185.0	1181.0	1177.5	1182.0
12.5°	1199.4	1200.4	1201.9	1207.4	1210.9	1217.4	1214.4	1207.4	1201.4	1196.4	1201.4
15°	1228.4	1227.4	1231.4	1238.4	1242.9	1248.9	1245.4	1233.4	1225.4	1218.9	1223.9
17.5°	1257.8	1257.3	1261.3	1270.3	1276.8	1284.8	1278.8	1264.8	1256.3	1248.4	1253.3
20°	1289.8	1291.3	1295.3	1303.8	1313.2	1323.7	1318.7	1303.8	1294.3	1285.3	1289.3
22.5°	1329.2	1329.7	1334.2	1345.2	1357.7	1367.6	1364.7	1346.2	1334.2	1324.7	1329.7
25°	1376.6	1376.1	1382.1	1395.1	1412.6	1422.6	1416.1	1395.6	1382.6	1371.6	1375.6
27.5°	1431.0	1430.5	1439.5	1456.5	1481.5	1495.4	1481.9	1456.5	1438.5	1423.1	1426.5
30°	1499.4	1497.9	1507.9	1530.9	1563.3	1586.8	1566.8	1531.4	1507.9	1491.4	1494.9
32.5°	1575.3	1577.3	1589.8	1620.7	1661.6	1692.1	1662.1	1622.7	1591.3	1567.3	1571.3
35°	1658.6	1658.6	1684.1	1722.5	1780.9	1821.4	1774.9	1718.0	1676.1	1643.2	1644.2
37.5°	1751.5	1752.5	1785.9	1838.8	1915.2	1962.6	1899.7	1829.4	1778.4	1743.0	1741.0
40°	1864.8	1867.8	1902.2	1961.1	2047.0	2090.4	2023.0	1954.1	1902.2	1860.3	1856.3
42.5°	1992.6	1993.6	2030.0	2082.9	2155.3	2181.2	2128.3	2071.9	2029.5	1991.6	1987.6
45°	2114.4	2111.9	2143.3	2182.7	2224.7	2227.2	2197.7	2174.8	2137.8	2105.4	2099.4
47.5°	2209.2	2207.2	2235.7	2257.1	2262.1	2237.6	2247.1	2250.6	2207.7	2163.8	2152.3
50°	2267.1	2271.1	2298.0	2310.0	2280.6	2240.6	2276.6	2267.6	2206.2	2148.8	2130.3
52.5°	2302.0	2308.0	2354.9	2385.4	2354.9	2317.0	2322.0	2269.1	2180.7	2104.9	2080.9
55°	2213.7	2237.6	2339.0	2473.7	2523.7	2497.2	2402.4	2266.1	2102.4	1992.1	1971.6
57.5°	1640.7	1678.6	1828.9	2120.9	2424.3	2520.7	2243.6	1899.7	1651.7	1509.9	1497.9
60°	837.6	880.0	1000.3	1300.3	1690.6	1826.4	1562.8	1216.4	966.8	852.0	839.1
62.5°	341.9	348.9	388.3	504.1	747.2	862.0	757.2	531.6	399.3	367.9	368.4
65°	269.0	270.5	268.5	275.5	313.0	347.4	320.9	282.0	275.0	278.5	276.0
67.5°	234.6	235.1	233.6	233.6	235.1	233.6	236.6	238.1	239.1	243.1	240.6
70°	196.2	196.7	196.7	197.7	197.2	194.7	199.2	201.2	201.7	204.1	202.7
72.5°	151.7	153.2	154.2	154.7	154.2	152.7	155.2	158.7	158.2	160.7	158.2
75°	102.8	104.8	105.8	107.8	107.3	107.3	110.3	111.8	110.3	112.3	110.3
77.5°	58.4	59.9	62.9	64.9	66.9	68.4	70.4	71.4	70.9	71.9	70.9
80°	33.9	34.4	36.9	37.9	40.4	42.9	44.9	45.9	46.4	46.9	46.4
82.5°	19.5	20.0	21.0	22.0	24.0	26.0	28.0	29.4	29.4	29.9	29.4
85°	9.5	9.5	10.0	10.5	11.5	13.0	14.5	16.0	16.5	16.5	16.5
87.5°	1.5	1.5	2.0	2.0	2.5	3.0	4.0	5.0	5.5	5.5	5.5
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)