

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: P634385

Luminaire Tested: GWS-SA3B-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10867.5 lumens
Efficiency: N/A
Efficacy: 159.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

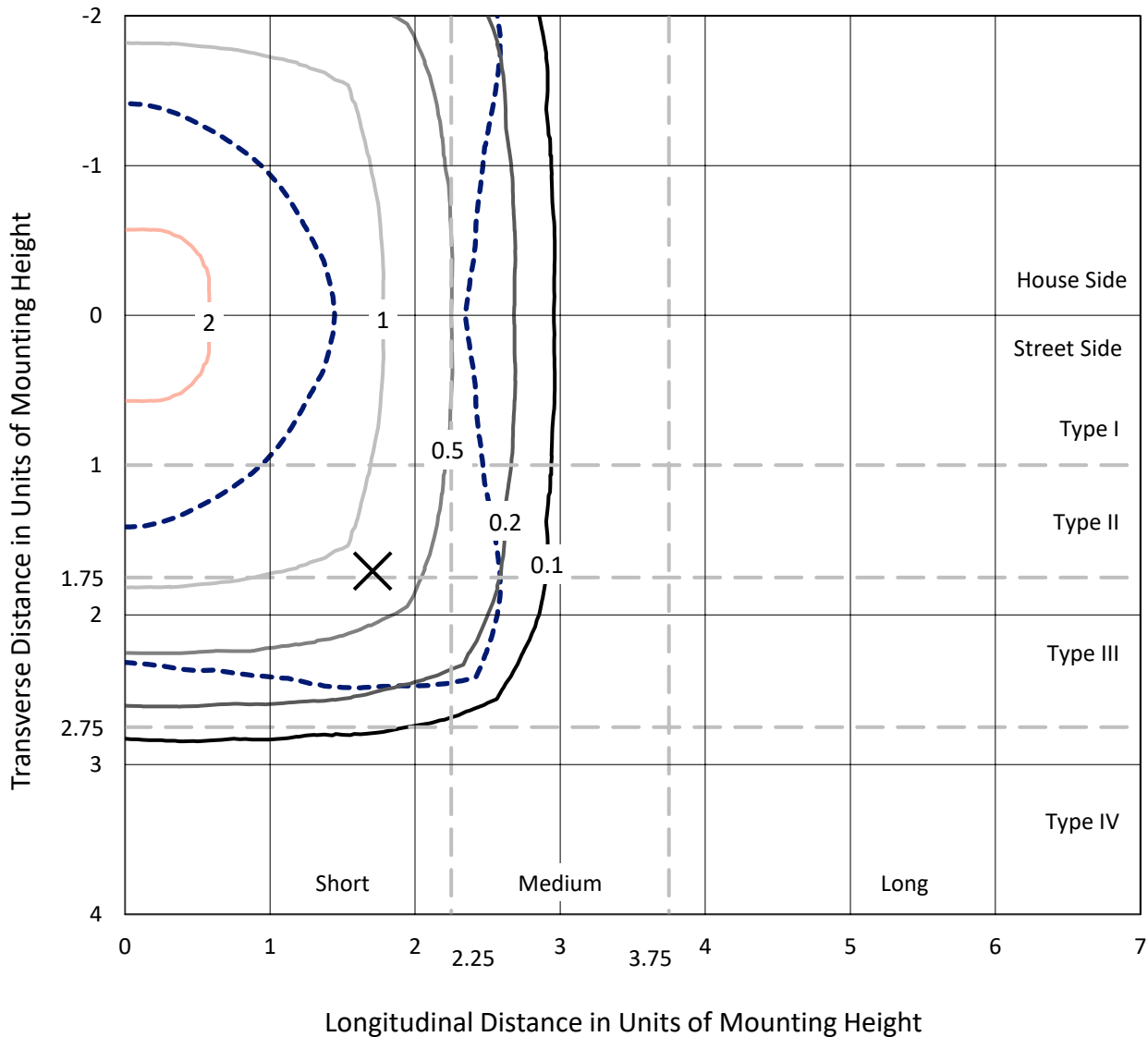
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

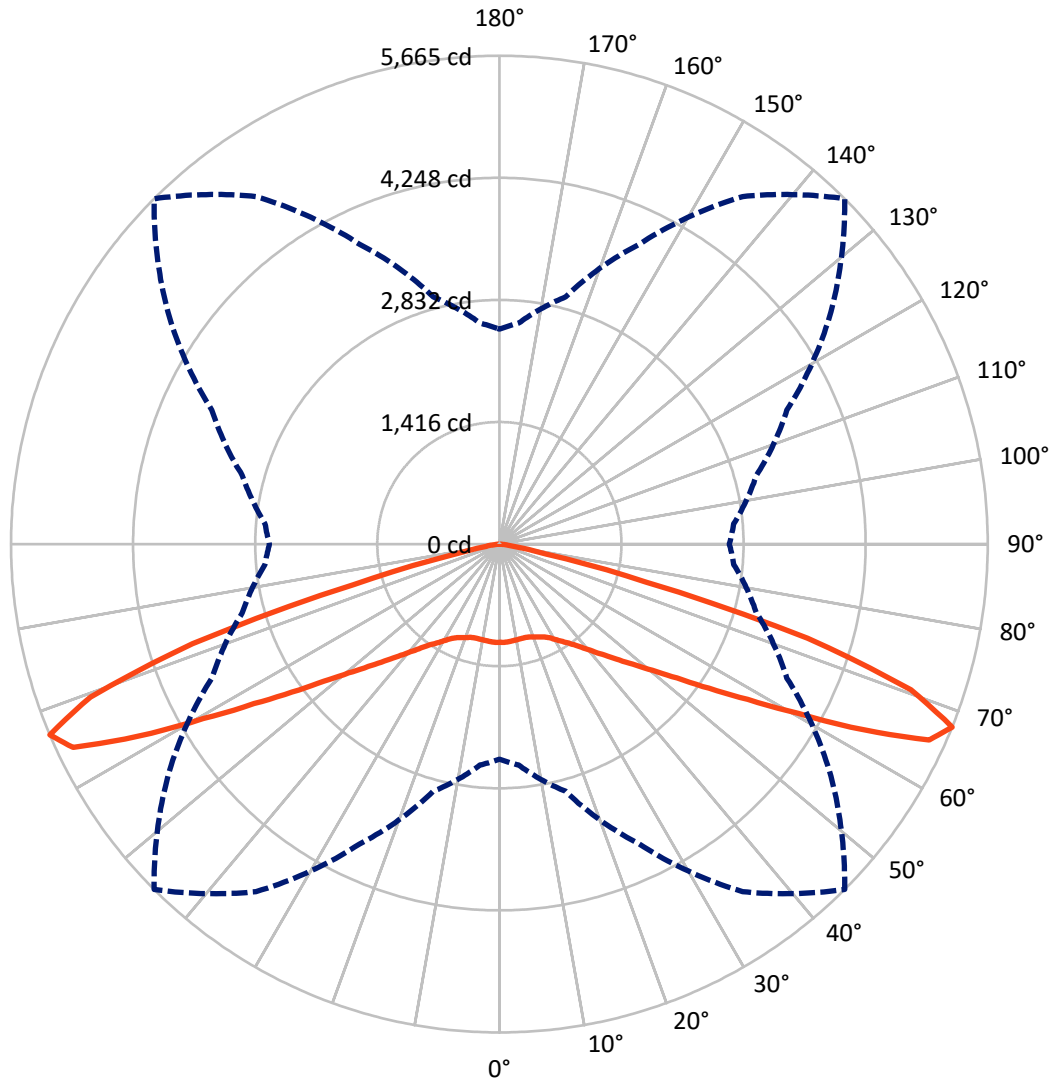
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5433.7	0.0	5433.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5433.7	0.0	5433.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	10867.5	0.0	10867.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	1.0
10°-20°	316.4	2.9
20°-30°	545.7	5.0
30°-40°	887.3	8.2
40°-50°	1494.1	13.7
50°-60°	2647.2	24.4
60°-70°	3784.0	34.8
70°-80°	1038.6	9.6
80°-90°	46.5	0.4
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°	10867.5	100.0
0°-180°	10867.5	100.0

Coefficient of Utilization



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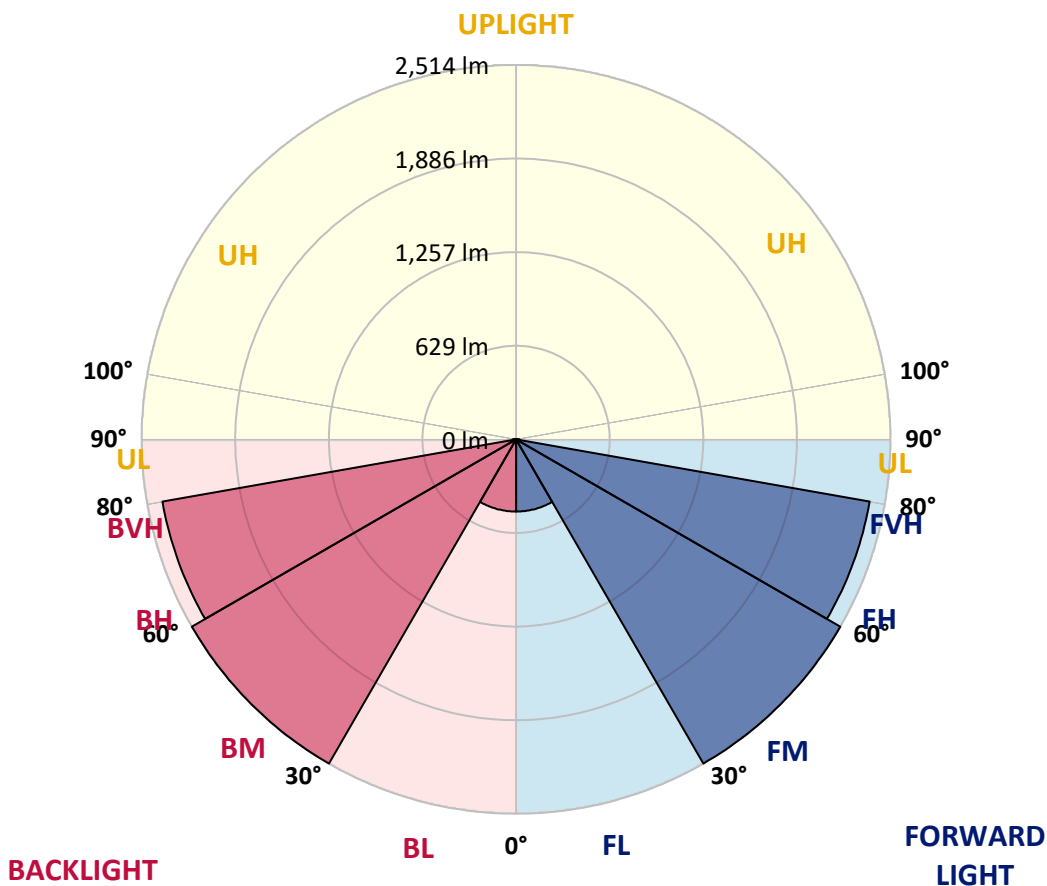
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	484.9	4.5			
FM (30°-60°)	2514.3	23.1			
FH (60°-80°)	2411.3	22.2			G2/5000
FVH (80°-90°)	23.3	0.2			G1/100
BL (0°-30°)	484.9	4.5	B1/500		
BM (30°-60°)	2514.3	23.1	B3/5000		
BH (60°-80°)	2411.3	22.2	B3/2500		G2/5000
BVH (80°-90°)	23.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1138.2	1138.2	1138.2	1138.2	1138.2	1138.2	1138.2	1138.2	1138.2	1138.2	1138.2
2.5°	1130.7	1129.9	1133.7	1135.9	1135.2	1140.4	1139.7	1138.2	1138.2	1135.9	1141.9
5°	1130.7	1129.9	1132.9	1133.7	1132.2	1136.7	1135.2	1133.7	1133.7	1130.7	1135.9
7.5°	1124.6	1125.4	1127.6	1129.2	1127.6	1131.4	1129.2	1126.1	1125.4	1122.4	1127.6
10°	1113.4	1114.1	1116.4	1120.1	1120.9	1127.6	1123.9	1118.6	1116.4	1113.4	1118.6
12.5°	1106.6	1107.3	1109.6	1114.1	1115.6	1124.6	1120.9	1112.6	1108.8	1105.8	1111.1
15°	1105.1	1105.8	1108.8	1113.4	1115.6	1124.6	1120.9	1111.1	1105.8	1102.1	1106.6
17.5°	1105.1	1106.6	1111.1	1117.9	1122.4	1131.4	1126.9	1115.6	1108.1	1101.3	1105.8
20°	1105.8	1108.1	1114.9	1124.6	1135.9	1148.7	1142.7	1127.6	1117.1	1108.8	1111.8
22.5°	1112.6	1116.4	1124.6	1137.4	1154.0	1169.0	1163.8	1143.4	1128.4	1117.1	1120.1
25°	1135.9	1137.4	1148.0	1164.5	1180.3	1193.1	1187.8	1169.0	1150.2	1136.7	1140.4
27.5°	1177.3	1181.1	1190.1	1207.4	1220.9	1227.7	1226.9	1214.2	1195.4	1183.3	1186.3
30°	1226.9	1230.7	1242.7	1262.3	1275.8	1283.4	1281.1	1271.3	1254.0	1237.5	1240.5
32.5°	1284.9	1286.4	1300.7	1322.5	1336.8	1348.1	1340.5	1330.0	1308.2	1288.6	1290.1
35°	1358.6	1360.9	1375.9	1396.2	1407.5	1416.5	1415.0	1404.5	1381.2	1360.1	1365.4
37.5°	1451.1	1452.6	1466.2	1491.7	1500.8	1507.5	1509.0	1503.8	1479.7	1452.6	1457.9
40°	1566.2	1567.0	1582.0	1604.6	1614.4	1618.9	1619.6	1620.4	1595.6	1575.2	1573.7
42.5°	1700.1	1703.9	1724.9	1746.8	1751.3	1749.0	1756.5	1764.1	1740.0	1712.2	1714.4
45°	1860.4	1862.6	1891.2	1915.3	1907.0	1899.5	1913.8	1928.8	1907.0	1870.9	1860.4
47.5°	2049.9	2054.4	2085.3	2109.4	2095.8	2082.3	2105.6	2121.4	2086.0	2047.7	2037.9
50°	2264.3	2267.3	2311.0	2341.1	2325.3	2300.4	2329.8	2346.3	2298.9	2251.5	2230.5
52.5°	2517.8	2511.8	2569.7	2622.4	2612.6	2580.3	2604.3	2607.4	2536.6	2469.7	2448.6
55°	2827.0	2821.0	2878.9	2936.8	2960.9	2952.6	2941.4	2923.3	2818.7	2747.3	2727.7
57.5°	3187.4	3168.5	3249.8	3328.0	3380.7	3395.7	3347.6	3305.5	3222.7	3134.7	3112.1
60°	3522.1	3521.4	3650.0	3785.4	3929.8	3990.0	3868.2	3753.8	3568.0	3407.8	3375.4
62.5°	3616.1	3631.9	3842.6	4178.1	4534.7	4747.6	4426.3	4047.9	3689.1	3447.6	3404.8
65°	3384.4	3423.6	3723.0	4252.6	4956.7	5477.3	4752.1	4054.7	3554.5	3253.6	3208.4
67.5°	2494.5	2572.8	2969.2	3837.3	4920.6	5664.6	4694.1	3679.3	3087.3	2729.2	2666.8
70°	1230.7	1305.2	1619.6	2524.6	4048.7	5063.5	4061.5	2772.9	2085.3	1740.7	1683.6
72.5°	452.9	483.0	606.3	1080.3	2234.2	3740.3	2777.4	1548.9	1010.3	804.2	765.8
75°	221.9	227.2	246.0	362.6	824.5	1760.3	1305.2	594.3	371.6	323.5	312.9
77.5°	141.4	143.7	152.7	173.0	264.8	554.4	395.7	234.7	182.0	174.5	174.5
80°	79.0	81.2	93.3	107.6	124.1	190.3	142.2	140.7	119.6	104.6	102.3
82.5°	37.6	41.4	59.4	58.7	65.4	95.5	83.5	76.0	76.7	57.9	54.9
85°	17.3	17.3	23.3	27.8	29.3	32.3	38.4	43.6	42.9	29.3	31.6
87.5°	8.3	8.3	8.3	7.5	6.8	6.0	8.3	13.5	19.6	13.5	12.8
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)