

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: P634330

Luminaire Tested: GWS-SA3B-750-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634330  
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-750-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11018.5 lumens  
Efficiency: N/A  
Efficacy: 161.3 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

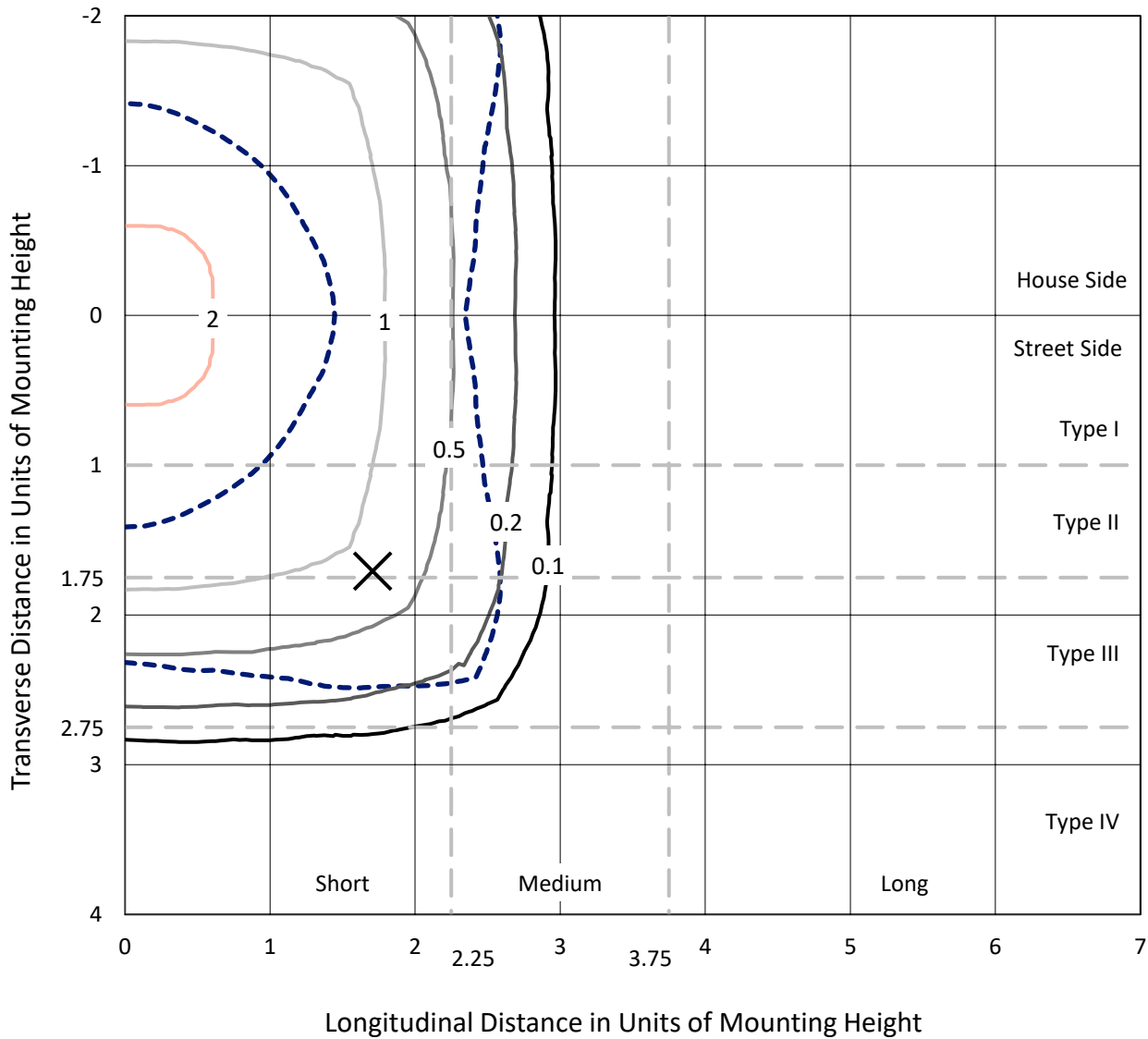
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P634330  
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### Iso-Footcandle Lines of Horizontal Illumination

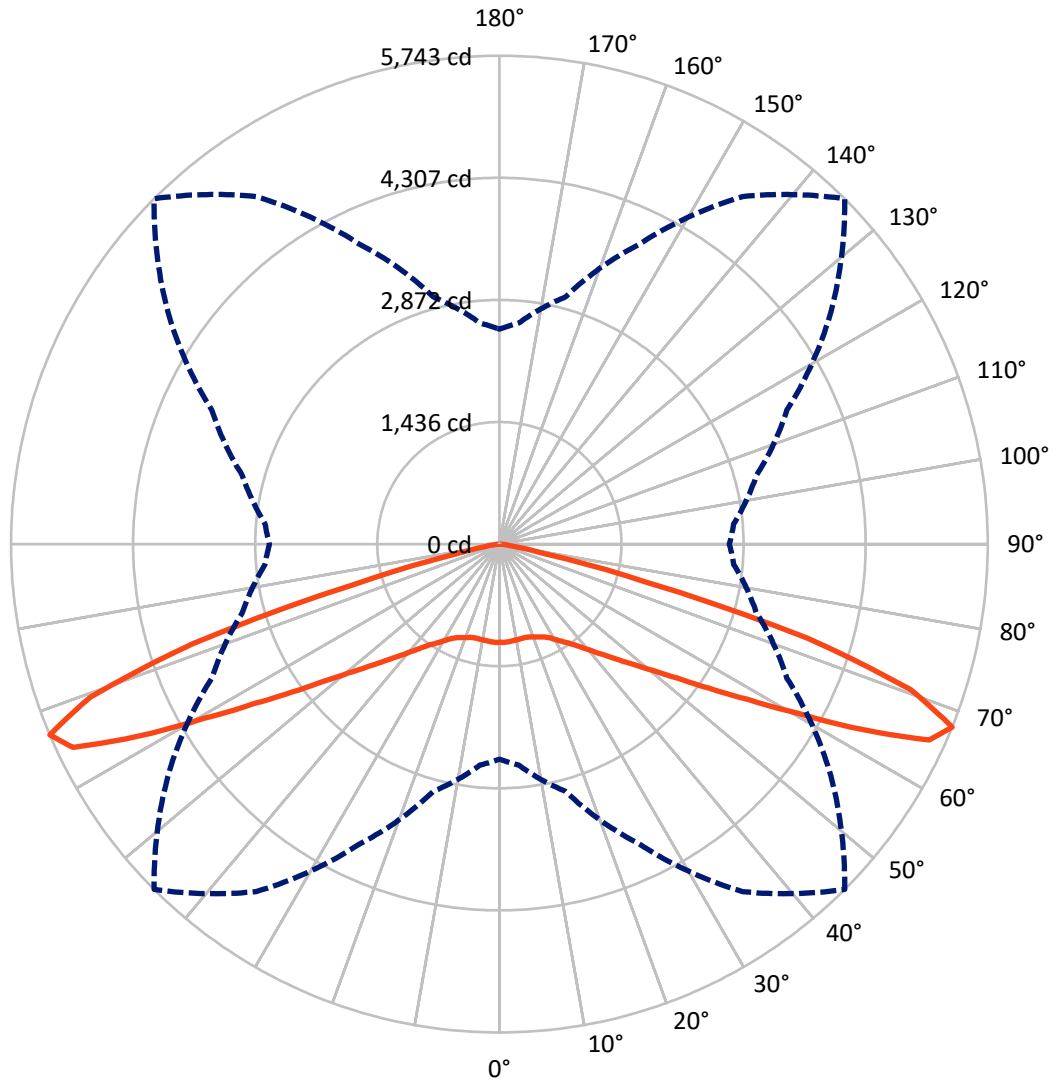
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.9 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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CATALOG NUMBER: GWS-SA3B-750-U-5MQ-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5509.3	0.0	5509.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5509.3	0.0	5509.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11018.5	0.0	11018.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.2	1.0
10°-20°	320.8	2.9
20°-30°	553.3	5.0
30°-40°	899.7	8.2
40°-50°	1514.8	13.7
50°-60°	2684.0	24.4
60°-70°	3836.6	34.8
70°-80°	1053.0	9.6
80°-90°	47.2	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°	11018.5	100.0
0°-180°	11018.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P634330

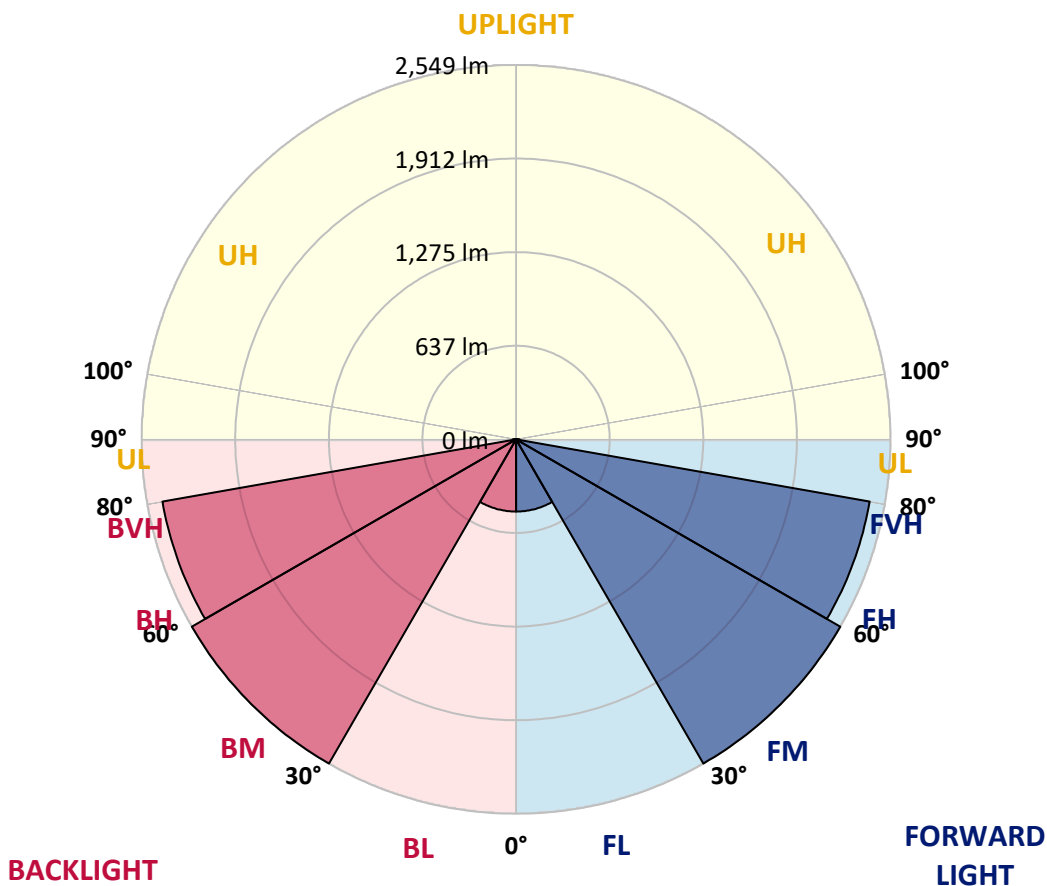
CATALOG NUMBER: GWS-SA3B-750-U-5MQ-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	491.6	4.5			
FM (30°-60°)	2549.2	23.1			
FH (60°-80°)	2444.8	22.2			G2/5000
FVH (80°-90°)	23.6	0.2			G1/100
BL (0°-30°)	491.6	4.5	B1/500		
BM (30°-60°)	2549.2	23.1	B3/5000		
BH (60°-80°)	2444.8	22.2	B3/2500		G2/5000
BVH (80°-90°)	23.6	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°	1154.0	1154.0	1154.0	1154.0	1154.0	1154.0	1154.0	1154.0	1154.0	1154.0	1154.0
2.5°	1146.4	1145.6	1149.4	1151.7	1150.9	1156.3	1155.5	1154.0	1154.0	1151.7	1157.8
5°	1146.4	1145.6	1148.7	1149.4	1147.9	1152.5	1150.9	1149.4	1149.4	1146.4	1151.7
7.5°	1140.3	1141.0	1143.3	1144.8	1143.3	1147.1	1144.8	1141.8	1141.0	1138.0	1143.3
10°	1128.8	1129.6	1131.9	1135.7	1136.5	1143.3	1139.5	1134.2	1131.9	1128.8	1134.2
12.5°	1122.0	1122.7	1125.0	1129.6	1131.1	1140.3	1136.5	1128.1	1124.2	1121.2	1126.5
15°	1120.4	1121.2	1124.2	1128.8	1131.1	1140.3	1136.5	1126.5	1121.2	1117.4	1122.0
17.5°	1120.4	1122.0	1126.5	1133.4	1138.0	1147.1	1142.6	1131.1	1123.5	1116.6	1121.2
20°	1121.2	1123.5	1130.3	1140.3	1151.7	1164.7	1158.6	1143.3	1132.6	1124.2	1127.3
22.5°	1128.1	1131.9	1140.3	1153.2	1170.0	1185.3	1179.9	1159.3	1144.1	1132.6	1135.7
25°	1151.7	1153.2	1163.9	1180.7	1196.7	1209.7	1204.3	1185.3	1166.2	1152.5	1156.3
27.5°	1193.7	1197.5	1206.6	1224.2	1237.9	1244.8	1244.0	1231.0	1212.0	1199.8	1202.8
30°	1244.0	1247.8	1260.0	1279.8	1293.6	1301.2	1298.9	1289.0	1271.5	1254.7	1257.7
32.5°	1302.7	1304.2	1318.7	1340.9	1355.4	1366.8	1359.2	1348.5	1326.4	1306.5	1308.1
35°	1377.5	1379.8	1395.0	1415.6	1427.0	1436.2	1434.7	1424.0	1400.4	1379.0	1384.3
37.5°	1471.3	1472.8	1486.5	1512.5	1521.6	1528.5	1530.0	1524.7	1500.3	1472.8	1478.1
40°	1588.0	1588.7	1604.0	1626.9	1636.8	1641.4	1642.1	1642.9	1617.7	1597.1	1595.6
42.5°	1723.7	1727.6	1748.9	1771.0	1775.6	1773.3	1780.9	1788.6	1764.2	1735.9	1738.2
45°	1886.2	1888.5	1917.5	1941.9	1933.5	1925.9	1940.4	1955.6	1933.5	1896.9	1886.2
47.5°	2078.4	2083.0	2114.3	2138.7	2124.9	2111.2	2134.9	2150.9	2115.0	2076.1	2066.2
50°	2295.8	2298.8	2343.1	2373.6	2357.6	2332.4	2362.1	2378.9	2330.9	2282.8	2261.5
52.5°	2552.8	2546.7	2605.4	2658.8	2648.9	2616.1	2640.5	2643.6	2571.9	2504.0	2482.7
55°	2866.3	2860.2	2918.9	2977.7	3002.1	2993.7	2982.2	2963.9	2857.9	2785.4	2765.6
57.5°	3231.6	3212.6	3294.9	3374.3	3427.7	3442.9	3394.1	3351.4	3267.5	3178.2	3155.4
60°	3571.1	3570.3	3700.7	3838.0	3984.4	4045.5	3921.9	3806.0	3617.6	3455.1	3422.3
62.5°	3666.4	3682.4	3896.0	4236.1	4597.7	4813.5	4487.8	4104.2	3740.4	3495.5	3452.1
65°	3431.5	3471.1	3774.7	4311.7	5025.6	5553.4	4818.1	4111.1	3603.8	3298.8	3253.0
67.5°	2529.2	2608.5	3010.5	3890.6	4988.9	5743.3	4759.4	3730.5	3130.2	2767.1	2703.8
70°	1247.8	1323.3	1642.1	2559.7	4105.0	5133.9	4117.9	2811.4	2114.3	1764.9	1707.0
72.5°	459.2	489.7	614.8	1095.3	2265.3	3792.2	2816.0	1570.4	1024.3	815.3	776.4
75°	225.0	230.3	249.4	367.6	835.9	1784.8	1323.3	602.5	376.8	328.0	317.3
77.5°	143.4	145.7	154.8	175.4	268.5	562.1	401.2	238.0	184.6	177.0	177.0
80°	80.1	82.4	94.6	109.1	125.8	193.0	144.2	142.6	121.3	106.0	103.7
82.5°	38.1	41.9	60.3	59.5	66.4	96.9	84.7	77.0	77.8	58.7	55.7
85°	17.5	17.5	23.6	28.2	29.7	32.8	38.9	44.2	43.5	29.7	32.0
87.5°	8.4	8.4	8.4	7.6	6.9	6.1	8.4	13.7	19.8	13.7	13.0
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)