

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: P636809

Luminaire Tested: GWS-SA4B-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7791.7 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

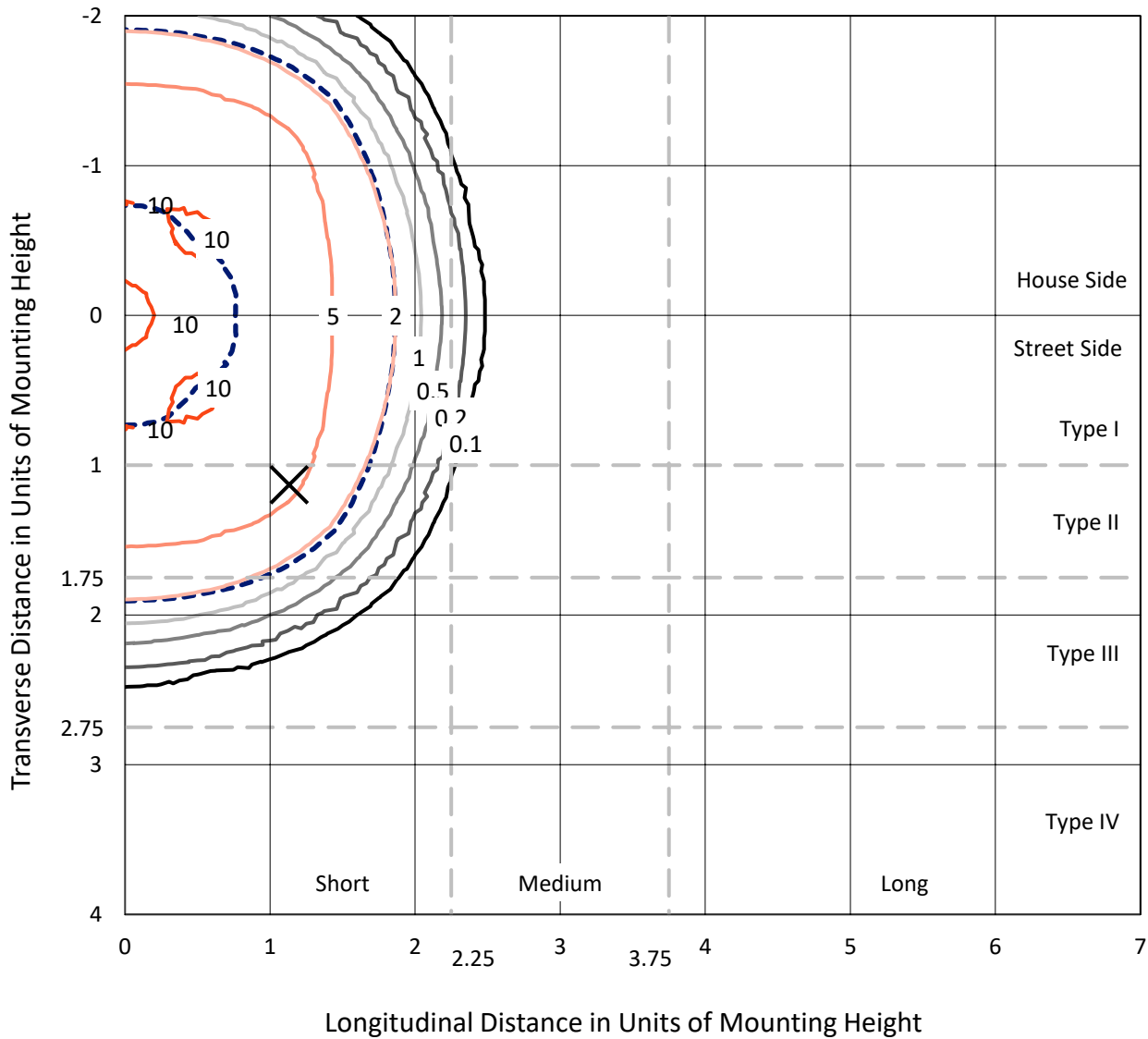
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

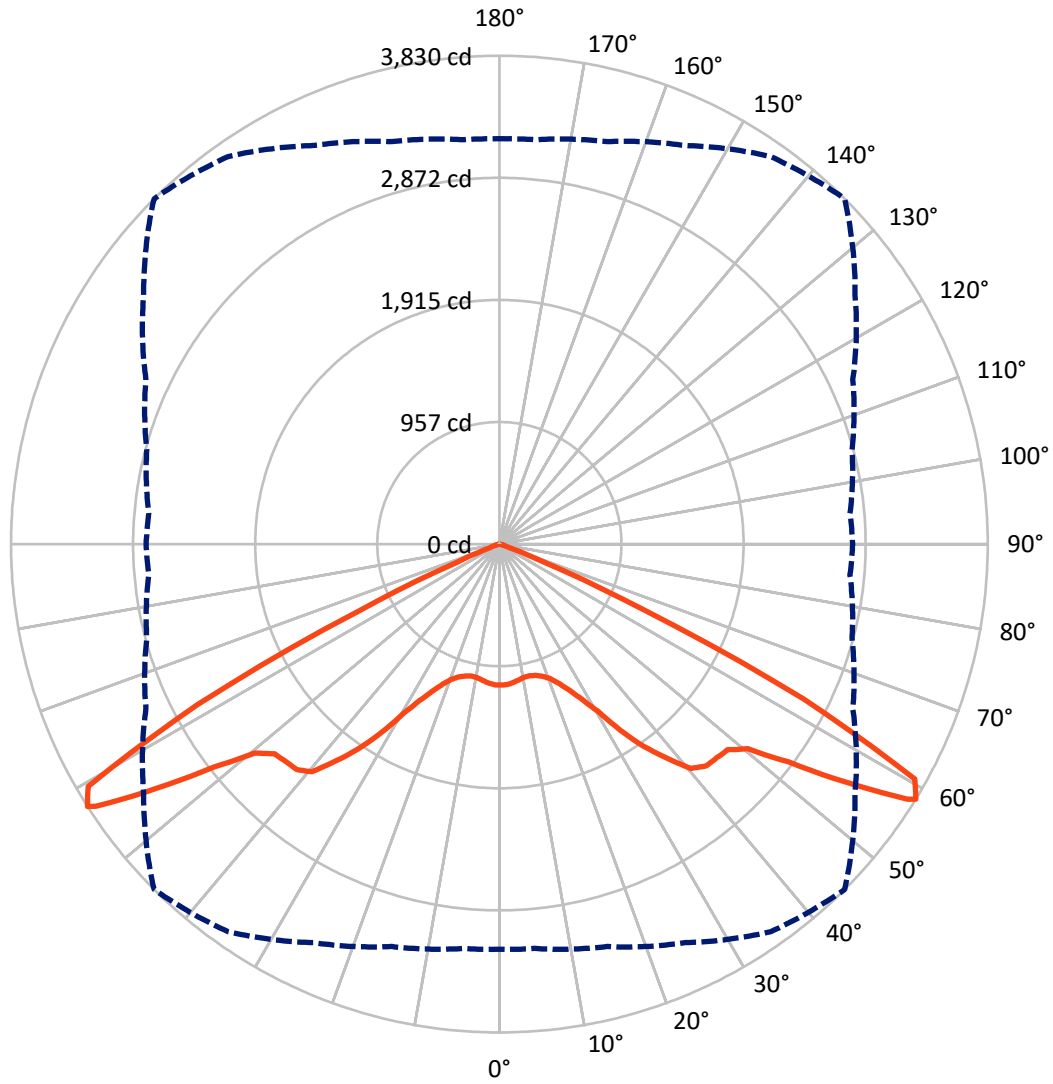
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3895.9	0.0	3895.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3895.9	0.0	3895.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	7791.7	0.0	7791.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	1.3
10°-20°	305.0	3.9
20°-30°	576.9	7.4
30°-40°	1137.8	14.6
40°-50°	1800.6	23.1
50°-60°	2646.8	34.0
60°-70°	1181.4	15.2
70°-80°	39.6	0.5
80°-90°	0.3	0.0
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°	7791.7	100.0
0°-180°	7791.7	100.0

Coefficient of Utilization



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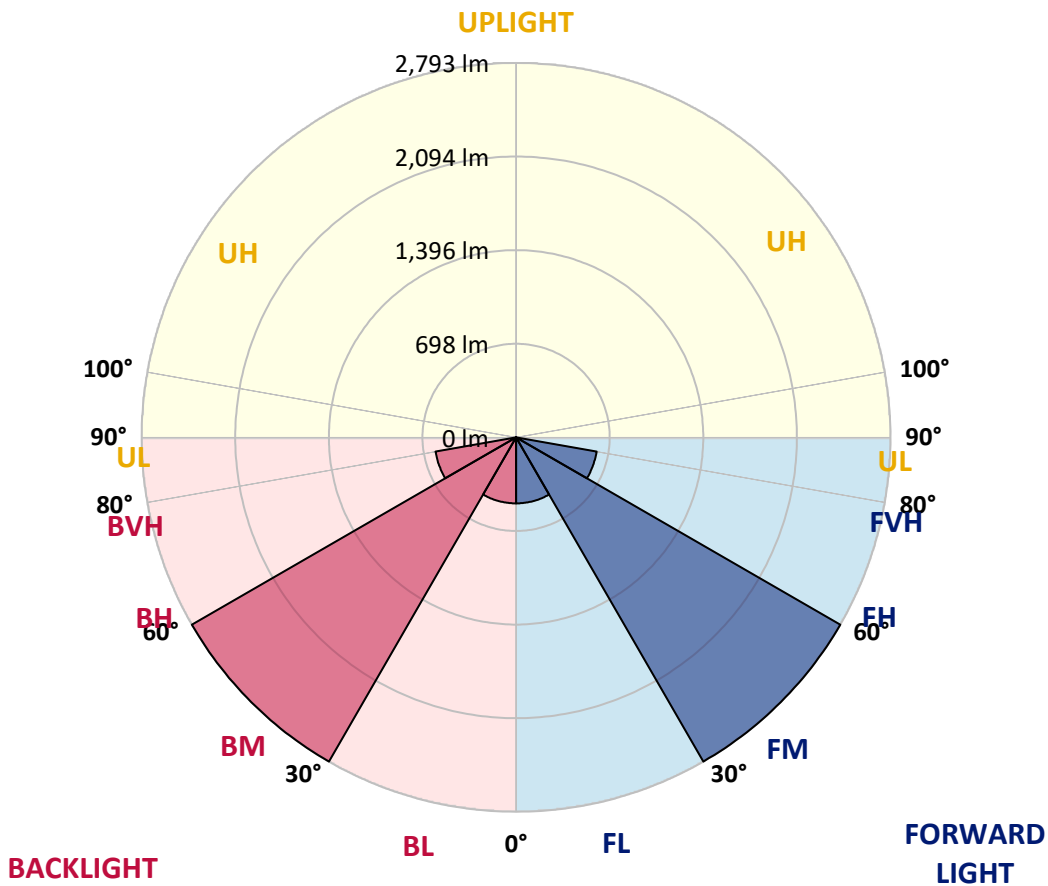
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	492.5	6.3			
FM (30°-60°)	2792.6	35.8			
FH (60°-80°)	610.5	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	492.5	6.3	B1/500		
BM (30°-60°)	2792.6	35.8	B3/5000		
BH (60°-80°)	610.5	7.8	B2/1000		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1105.0	1105.0	1105.0	1105.0	1105.0	1105.0	1105.0	1105.0	1105.0	1105.0	1105.0
2.5°	1094.4	1096.5	1098.6	1099.7	1100.7	1103.9	1105.0	1101.8	1101.8	1095.4	1102.8
5°	1089.0	1091.2	1093.3	1092.2	1092.2	1092.2	1091.2	1086.9	1085.9	1079.5	1086.9
7.5°	1079.5	1081.6	1081.6	1078.4	1076.3	1076.3	1075.2	1069.9	1068.9	1062.5	1069.9
10°	1072.1	1073.1	1072.1	1065.7	1061.4	1061.4	1060.4	1058.3	1059.3	1055.1	1061.4
12.5°	1076.3	1077.4	1073.1	1064.6	1059.3	1058.3	1055.1	1051.9	1055.1	1054.0	1060.4
15°	1090.1	1091.2	1083.7	1073.1	1068.9	1068.9	1060.4	1051.9	1056.1	1057.2	1064.6
17.5°	1107.1	1107.1	1097.5	1088.0	1089.0	1089.0	1075.2	1060.4	1061.4	1065.7	1073.1
20°	1127.3	1127.3	1117.7	1115.6	1123.0	1124.1	1107.1	1083.7	1078.4	1081.6	1090.1
22.5°	1163.3	1163.3	1155.9	1161.2	1178.2	1183.5	1158.0	1125.1	1112.4	1114.5	1123.0
25°	1219.6	1219.6	1217.5	1230.2	1254.6	1266.3	1232.3	1188.8	1167.6	1164.4	1174.0
27.5°	1314.1	1315.1	1311.9	1331.1	1361.8	1375.6	1328.9	1271.6	1246.1	1240.8	1250.4
30°	1436.1	1436.1	1437.2	1463.7	1504.1	1522.1	1460.6	1393.7	1364.0	1347.0	1359.7
32.5°	1572.0	1574.1	1584.7	1629.3	1700.4	1737.6	1647.4	1554.0	1506.2	1488.1	1501.9
35°	1796.0	1775.8	1763.1	1796.0	1898.9	1947.8	1832.1	1722.7	1686.6	1684.5	1719.5
37.5°	2017.8	2006.1	1979.6	2013.6	2105.9	2128.2	2000.8	1909.5	1884.1	1897.9	1932.9
40°	2194.0	2172.8	2137.8	2169.6	2290.6	2312.9	2155.8	2065.6	2056.0	2086.8	2134.6
42.5°	2333.1	2303.3	2256.6	2264.1	2361.7	2377.6	2238.6	2170.7	2177.0	2215.2	2269.4
45°	2395.7	2372.3	2330.9	2327.8	2389.3	2390.4	2281.1	2246.0	2263.0	2292.7	2335.2
47.5°	2422.2	2411.6	2388.3	2382.9	2418.0	2409.5	2341.6	2326.7	2342.6	2351.1	2375.5
50°	2488.0	2488.0	2491.2	2495.5	2531.6	2523.1	2475.3	2458.3	2438.1	2408.4	2415.9
52.5°	2672.7	2680.2	2710.9	2744.9	2810.7	2838.3	2760.8	2662.1	2565.5	2500.8	2500.8
55°	3006.0	3013.4	3049.5	3106.9	3227.9	3293.7	3113.2	2895.6	2762.9	2674.8	2686.5
57.5°	3189.6	3198.1	3272.4	3427.4	3662.0	3773.4	3386.0	3063.3	2877.6	2776.7	2785.2
58°	3178.0	3183.3	3267.1	3448.6	3709.8	3829.7	3405.1	3058.0	2862.7	2759.8	2770.4
60°	2823.5	2816.0	2949.8	3208.8	3577.1	3742.7	3215.1	2791.6	2564.5	2459.4	2464.7
62.5°	1845.9	1850.1	1965.8	2236.5	2523.1	2679.1	2246.0	1930.8	1748.2	1684.5	1668.6
65°	770.6	756.8	827.9	978.7	1150.6	1237.6	1063.6	900.1	787.6	745.1	756.8
67.5°	198.5	193.2	197.4	247.3	302.5	357.7	300.4	229.3	199.6	201.7	201.7
70°	112.5	106.1	86.0	79.6	77.5	77.5	77.5	77.5	89.2	105.1	108.3
72.5°	84.9	79.6	62.6	54.1	47.8	44.6	46.7	54.1	64.7	78.5	80.7
75°	42.5	42.5	38.2	36.1	31.8	29.7	30.8	34.0	39.3	44.6	43.5
77.5°	8.5	9.6	10.6	12.7	10.6	10.6	10.6	12.7	12.7	13.8	12.7
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)