

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: P634221

Luminaire Tested: GWS-SA3B-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7219 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

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

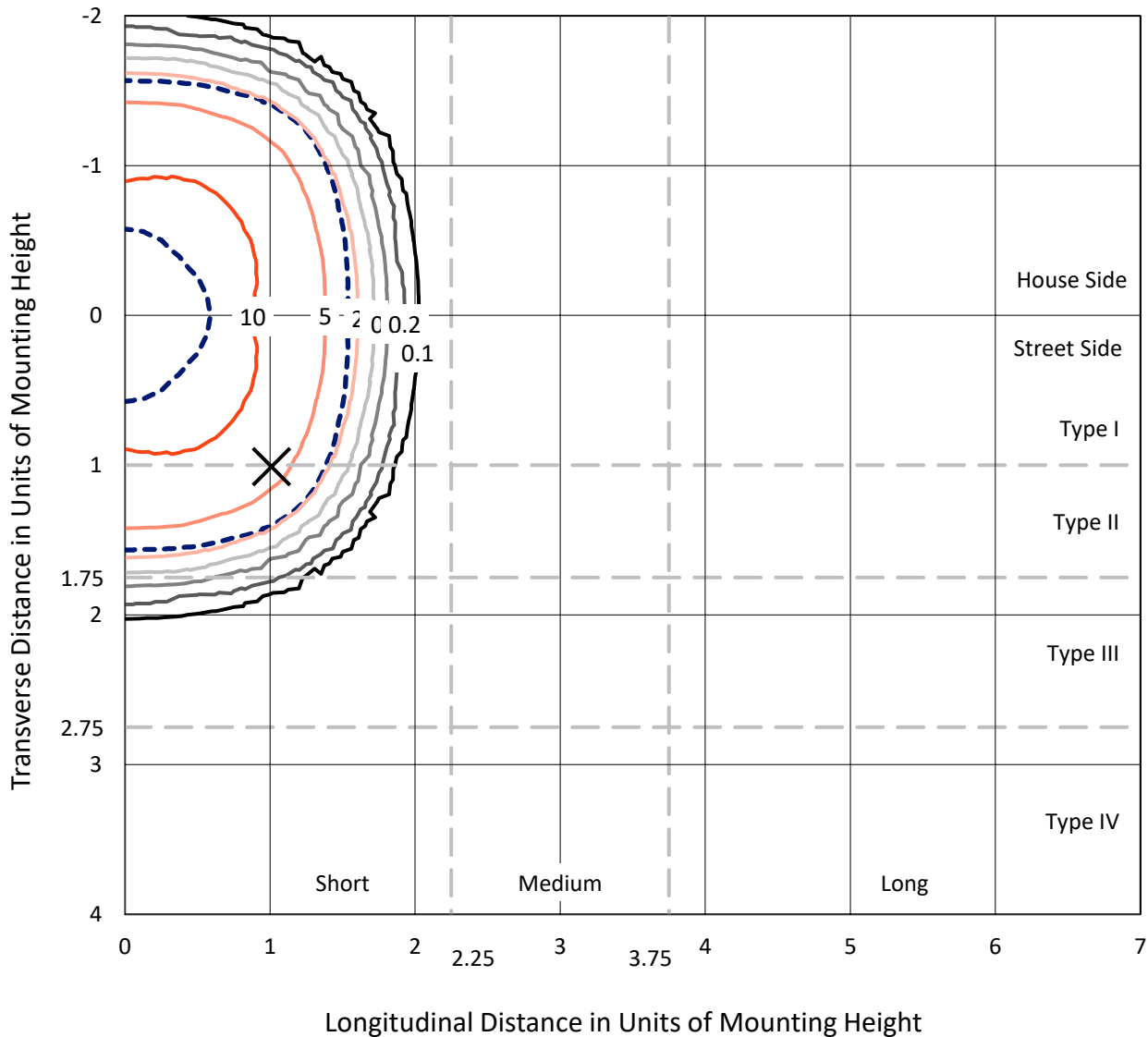


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Iso-Footcandle Lines of Horizontal Illumination

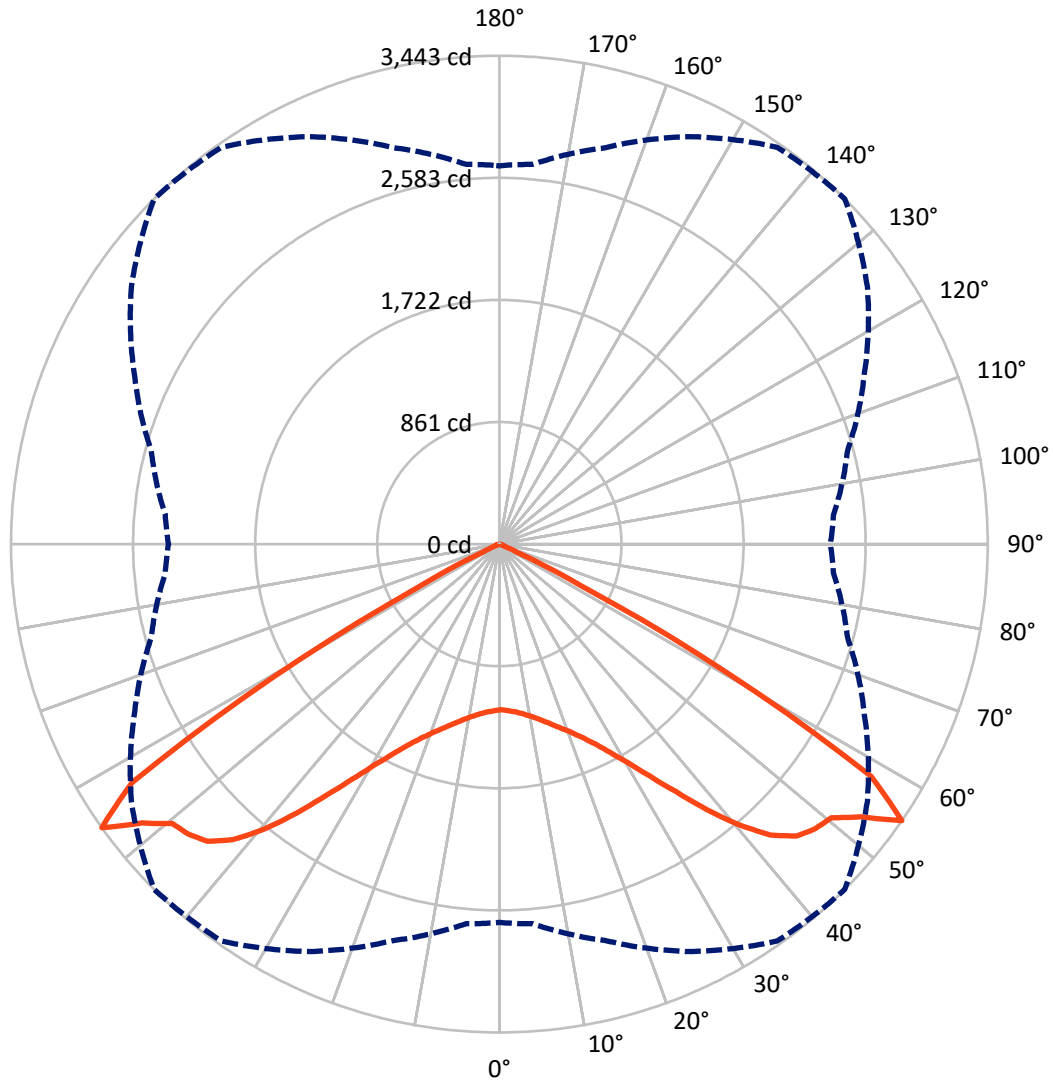
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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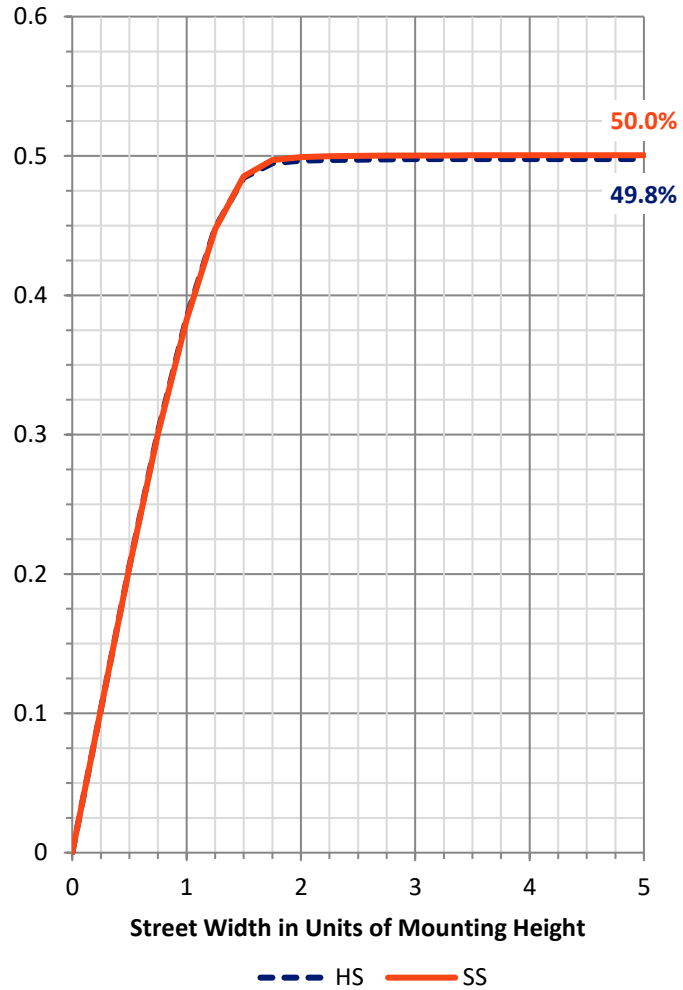
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3609.5	0.0	3609.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3609.5	0.0	3609.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7219.0	0.0	7219.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.4	1.6
10°-20°	370.7	5.1
20°-30°	717.9	9.9
30°-40°	1286.2	17.8
40°-50°	2156.3	29.9
50°-60°	2308.2	32.0
60°-70°	253.6	3.5
70°-80°	11.2	0.2
80°-90°	0.5	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°	7219.0	100.0
0°-180°	7219.0	100.0

Coefficient of Utilization



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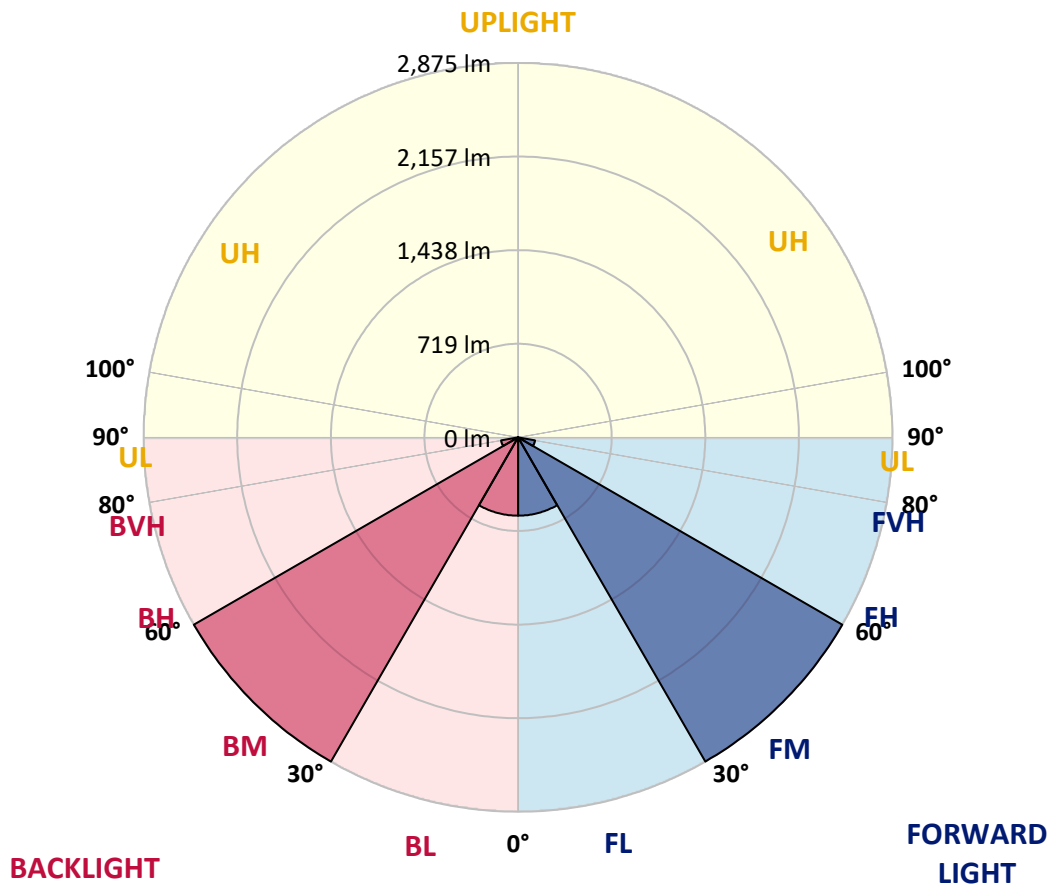
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	601.5	8.3			
FM (30°-60°)	2875.4	39.8			
FH (60°-80°)	132.4	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	601.5	8.3	B2/1000		
BM (30°-60°)	2875.4	39.8	B3/5000		
BH (60°-80°)	132.4	1.8	B1/500		G0/660
BVH (80°-90°)	0.3	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°	1167.2	1167.2	1167.2	1167.2	1167.2	1167.2	1167.2	1167.2	1167.2	1167.2	1167.2
2.5°	1165.0	1165.0	1167.9	1170.1	1170.1	1176.0	1173.8	1171.6	1171.6	1168.6	1174.5
5°	1181.9	1181.1	1184.1	1185.6	1182.6	1188.5	1184.8	1182.6	1181.1	1178.2	1184.1
7.5°	1200.3	1201.0	1201.7	1204.7	1203.2	1209.1	1206.2	1201.7	1200.3	1195.9	1201.7
10°	1222.3	1222.3	1223.8	1227.5	1228.2	1235.6	1232.6	1227.5	1223.1	1218.7	1224.5
12.5°	1250.3	1251.0	1253.2	1258.4	1261.3	1269.4	1265.0	1254.7	1248.1	1242.9	1249.5
15°	1290.7	1290.0	1292.9	1300.3	1304.0	1309.9	1303.2	1289.3	1281.2	1275.3	1279.7
17.5°	1334.9	1334.9	1336.3	1343.7	1348.8	1357.7	1349.6	1332.7	1325.3	1317.2	1321.6
20°	1383.4	1385.6	1387.1	1392.2	1401.0	1409.9	1403.3	1386.3	1378.2	1368.0	1373.1
22.5°	1447.4	1445.2	1445.9	1454.7	1467.2	1476.1	1470.9	1451.1	1437.1	1429.0	1431.9
25°	1518.7	1518.0	1520.2	1533.4	1547.4	1557.0	1549.6	1523.9	1509.9	1495.9	1501.8
27.5°	1606.2	1607.0	1608.4	1624.6	1646.7	1660.7	1642.3	1616.5	1597.4	1579.0	1583.4
30°	1709.9	1708.5	1712.9	1734.9	1767.3	1789.4	1768.0	1732.0	1704.8	1687.1	1689.3
32.5°	1820.3	1821.7	1833.5	1868.8	1911.5	1950.4	1907.0	1859.2	1823.9	1790.8	1795.3
35°	1939.4	1943.1	1969.6	2021.8	2091.6	2143.9	2083.6	2004.9	1954.8	1912.2	1913.7
37.5°	2079.9	2088.7	2125.5	2203.4	2303.5	2373.3	2285.1	2180.6	2115.9	2063.0	2059.3
40°	2264.5	2274.8	2324.8	2417.5	2538.8	2602.8	2500.6	2393.2	2313.0	2255.7	2246.8
42.5°	2476.3	2489.5	2544.0	2638.8	2760.2	2803.6	2703.5	2613.1	2541.0	2473.3	2470.4
45°	2715.3	2722.7	2766.8	2839.6	2927.1	2937.4	2862.4	2812.4	2739.6	2676.3	2671.2
47.5°	2939.6	2947.0	2977.1	3014.6	3035.2	2998.5	2985.2	2963.2	2869.0	2791.1	2774.9
50°	3110.3	3116.1	3153.6	3168.4	3111.0	3033.0	3058.8	3011.7	2909.5	2822.0	2796.9
52.5°	3098.5	3113.2	3209.5	3293.4	3257.3	3194.1	3125.0	3023.5	2864.6	2744.7	2713.8
55°	2667.5	2687.4	2894.0	3169.8	3416.2	3443.4	3166.9	2839.6	2541.0	2365.2	2333.6
57.5°	1714.4	1719.5	1971.8	2358.6	2913.9	3088.9	2626.3	2140.9	1769.5	1576.1	1562.9
60°	630.3	620.0	810.5	1131.1	1678.3	1863.7	1545.9	1082.6	772.2	635.4	624.4
62.5°	151.5	153.0	189.7	284.6	526.6	651.6	514.8	287.6	183.1	153.7	152.2
65°	76.5	75.0	75.8	81.6	112.5	134.6	110.3	78.0	75.0	75.8	75.0
67.5°	49.3	48.5	50.0	50.7	50.0	47.1	46.3	47.8	47.8	48.5	47.1
70°	30.2	29.4	30.9	33.1	31.6	27.9	29.4	30.9	29.4	28.7	28.7
72.5°	16.2	16.2	17.7	19.1	17.7	16.2	16.2	16.9	16.2	16.2	16.2
75°	7.4	7.4	8.1	8.8	7.4	7.4	7.4	7.4	7.4	7.4	7.4
77.5°	2.2	2.2	2.9	2.9	2.2	2.2	2.2	2.2	2.9	2.9	2.9
80°	0.7	1.5	1.5	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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)