

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: P635324

Luminaire Tested: GWS-SA3D-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635324
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-SA3D-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9473.3 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 120.8
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

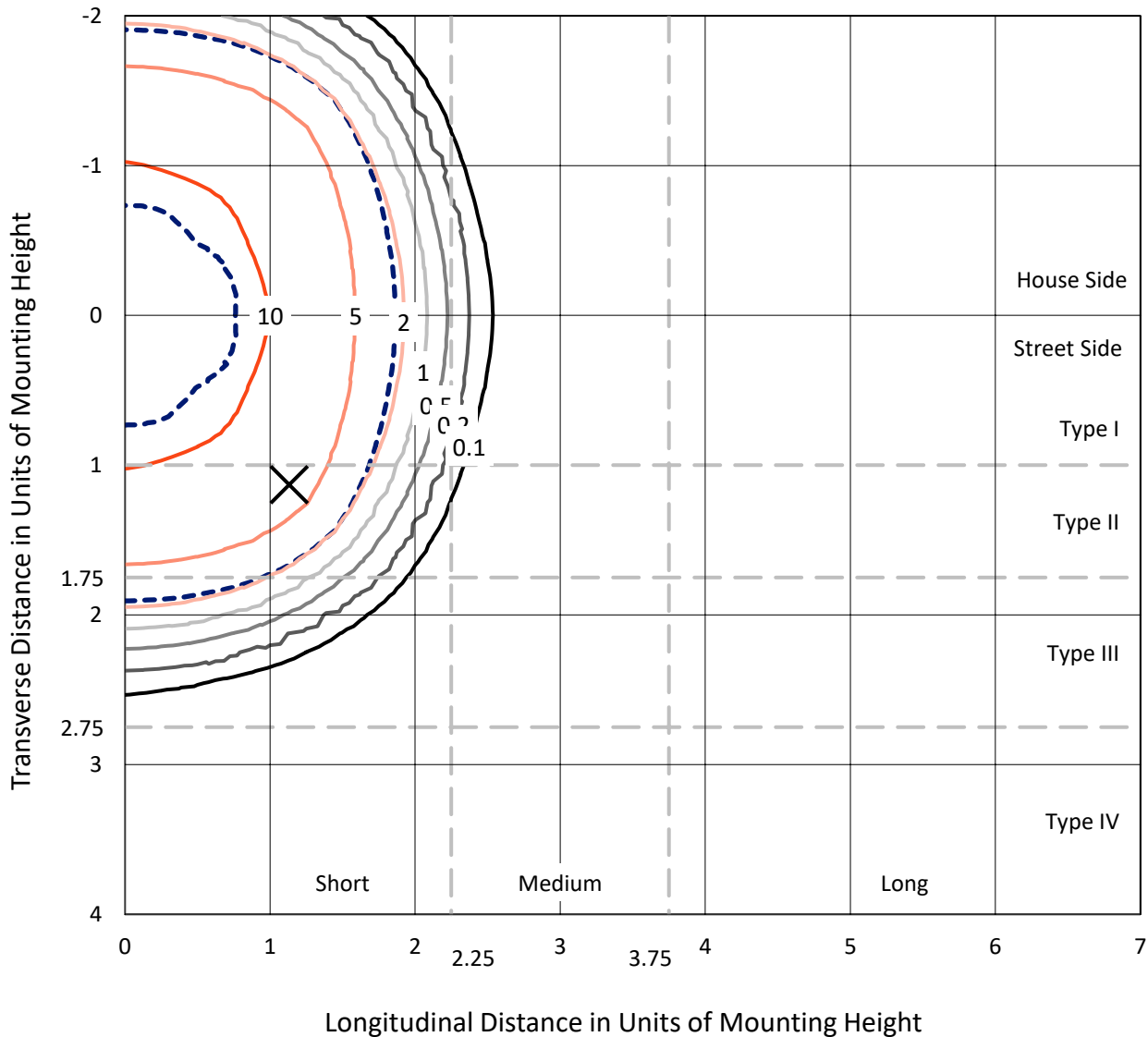


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Iso-Footcandle Lines of Horizontal Illumination

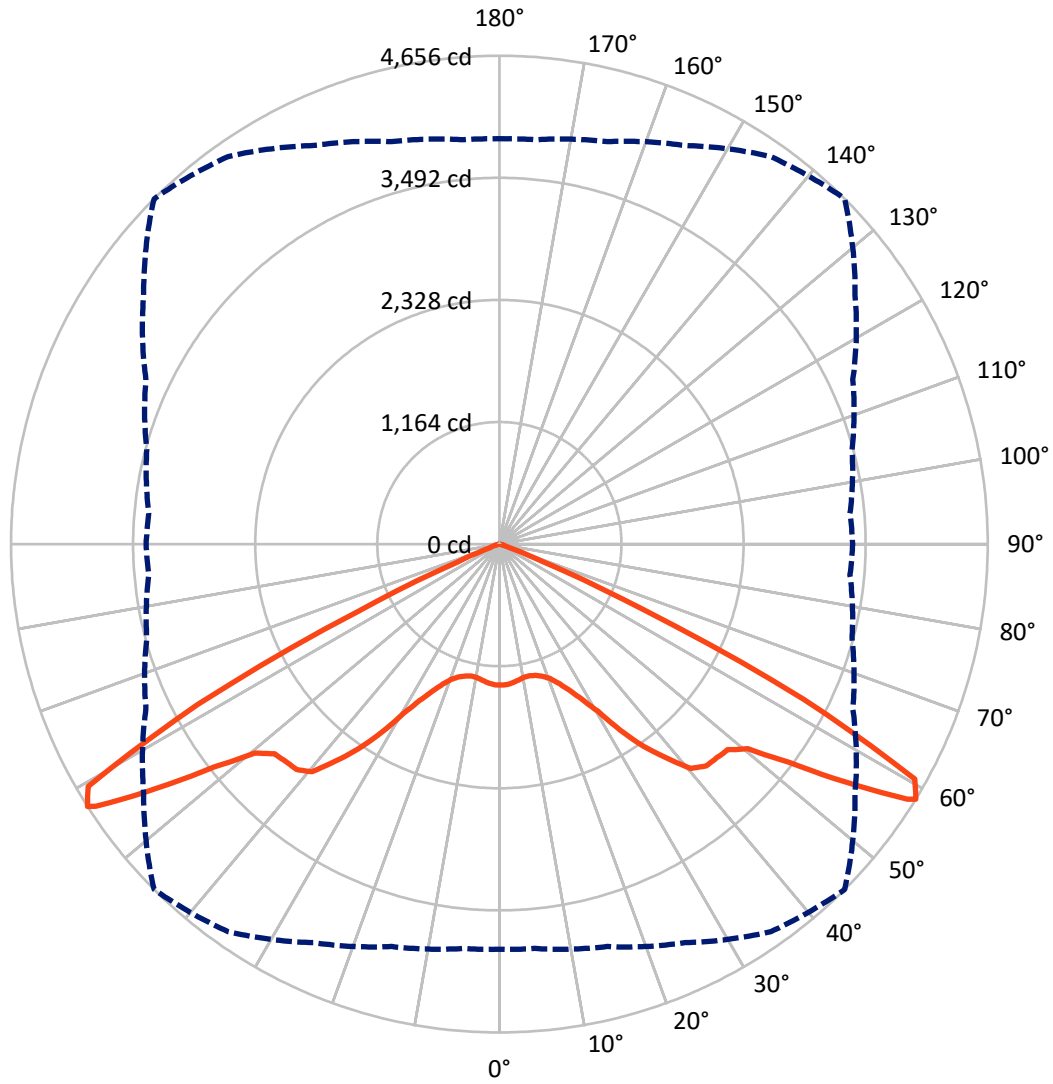
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 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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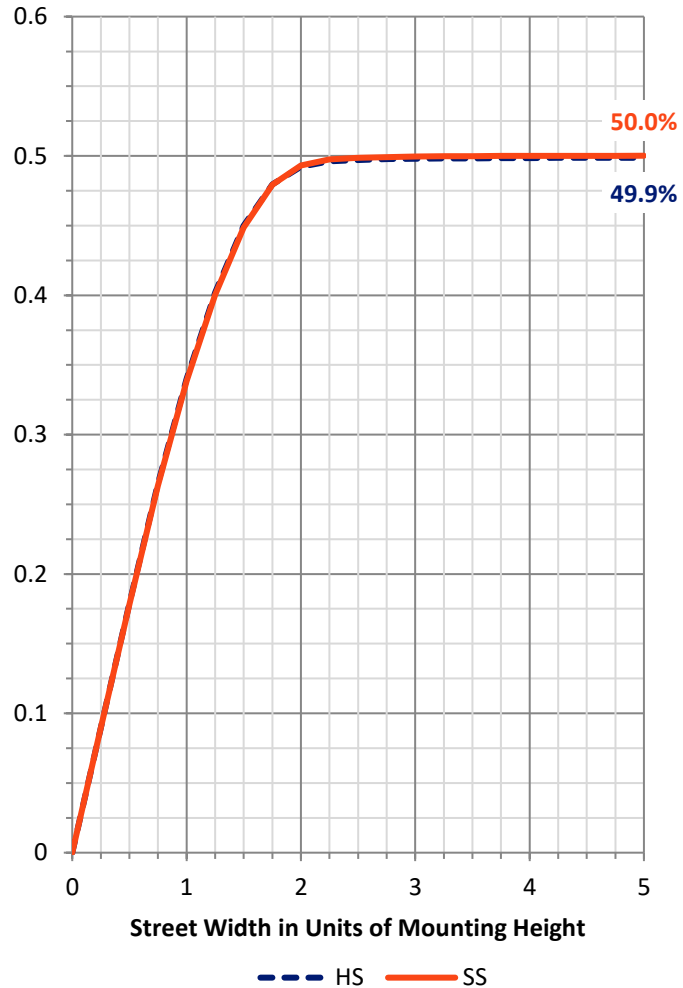
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4736.7	0.0	4736.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4736.7	0.0	4736.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	9473.3	0.0	9473.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.3	1.3
10°-20°	370.9	3.9
20°-30°	701.4	7.4
30°-40°	1383.4	14.6
40°-50°	2189.2	23.1
50°-60°	3218.0	34.0
60°-70°	1436.4	15.2
70°-80°	48.1	0.5
80°-90°	0.4	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°	9473.3	100.0
0°-180°	9473.3	100.0

Coefficient of Utilization



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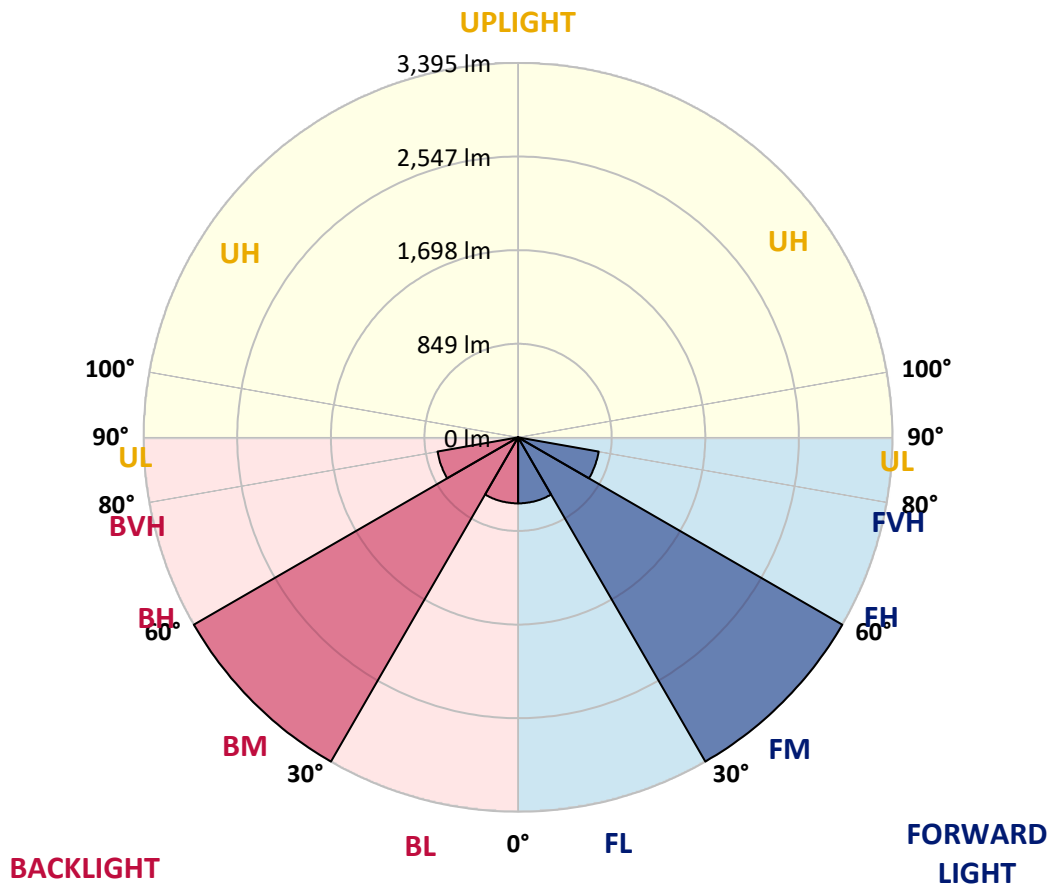
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	598.8	6.3			
FM (30°-60°)	3395.3	35.8			
FH (60°-80°)	742.3	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	598.8	6.3	B2/1000		
BM (30°-60°)	3395.3	35.8	B3/5000		
BH (60°-80°)	742.3	7.8	B2/1000		G1/1800
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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1343.4	1343.4	1343.4	1343.4	1343.4	1343.4	1343.4	1343.4	1343.4	1343.4	1343.4
2.5°	1330.5	1333.1	1335.7	1337.0	1338.3	1342.1	1343.4	1339.6	1339.6	1331.8	1340.9
5°	1324.1	1326.7	1329.2	1328.0	1328.0	1328.0	1326.7	1321.5	1320.2	1312.5	1321.5
7.5°	1312.5	1315.0	1315.0	1311.2	1308.6	1308.6	1307.3	1300.9	1299.6	1291.8	1300.9
10°	1303.4	1304.7	1303.4	1295.7	1290.5	1290.5	1289.2	1286.7	1287.9	1282.8	1290.5
12.5°	1308.6	1309.9	1304.7	1294.4	1287.9	1286.7	1282.8	1278.9	1282.8	1281.5	1289.2
15°	1325.4	1326.7	1317.6	1304.7	1299.6	1299.6	1289.2	1278.9	1284.1	1285.4	1294.4
17.5°	1346.0	1346.0	1334.4	1322.8	1324.1	1324.1	1307.3	1289.2	1290.5	1295.7	1304.7
20°	1370.5	1370.5	1358.9	1356.3	1365.4	1366.7	1346.0	1317.6	1311.2	1315.0	1325.4
22.5°	1414.4	1414.4	1405.4	1411.8	1432.5	1438.9	1408.0	1368.0	1352.5	1355.1	1365.4
25°	1482.8	1482.8	1480.2	1495.7	1525.4	1539.6	1498.3	1445.4	1419.6	1415.7	1427.3
27.5°	1597.7	1599.0	1595.1	1618.3	1655.7	1672.5	1615.7	1546.1	1515.1	1508.6	1520.2
30°	1746.1	1746.1	1747.4	1779.6	1828.7	1850.6	1775.8	1694.5	1658.3	1637.7	1653.2
32.5°	1911.3	1913.9	1926.8	1981.0	2067.4	2112.6	2002.9	1889.3	1831.3	1809.3	1826.1
35°	2183.6	2159.1	2143.6	2183.6	2308.8	2368.1	2227.5	2094.5	2050.6	2048.1	2090.7
37.5°	2453.3	2439.1	2406.8	2448.1	2560.4	2587.5	2432.6	2321.7	2290.7	2307.5	2350.1
40°	2667.5	2641.7	2599.1	2637.8	2785.0	2812.1	2621.1	2511.4	2499.8	2537.2	2595.3
42.5°	2836.6	2800.4	2743.7	2752.7	2871.4	2890.8	2721.7	2639.1	2646.9	2693.3	2759.1
45°	2912.7	2884.3	2834.0	2830.1	2905.0	2906.3	2773.3	2730.8	2751.4	2787.5	2839.2
47.5°	2945.0	2932.1	2903.7	2897.2	2939.8	2929.5	2846.9	2828.8	2848.2	2858.5	2888.2
50°	3025.0	3025.0	3028.9	3034.0	3077.9	3067.6	3009.5	2988.9	2964.3	2928.2	2937.2
52.5°	3249.6	3258.6	3296.0	3337.3	3417.3	3450.9	3356.7	3236.6	3119.2	3040.5	3040.5
55°	3654.8	3663.8	3707.7	3777.4	3924.5	4004.5	3785.1	3520.6	3359.2	3252.1	3266.3
57.5°	3878.0	3888.4	3978.7	4167.1	4452.3	4587.8	4116.8	3724.5	3498.6	3376.0	3386.3
58°	3863.8	3870.3	3972.2	4192.9	4510.4	4656.2	4140.0	3718.0	3480.6	3355.4	3368.3
60°	3432.8	3423.8	3586.4	3901.3	4349.1	4550.4	3909.0	3394.1	3117.9	2990.2	2996.6
62.5°	2244.2	2249.4	2390.1	2719.1	3067.6	3257.3	2730.8	2347.5	2125.5	2048.1	2028.7
65°	936.9	920.1	1006.6	1189.9	1398.9	1504.8	1293.1	1094.4	957.6	906.0	920.1
67.5°	241.3	234.9	240.0	300.7	367.8	434.9	365.2	278.8	242.6	245.2	245.2
70°	136.8	129.1	104.5	96.8	94.2	94.2	94.2	94.2	108.4	127.8	131.6
72.5°	103.2	96.8	76.1	65.8	58.1	54.2	56.8	65.8	78.7	95.5	98.1
75°	51.6	51.6	46.5	43.9	38.7	36.1	37.4	41.3	47.7	54.2	52.9
77.5°	10.3	11.6	12.9	15.5	12.9	12.9	12.9	15.5	15.5	16.8	15.5
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
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)