

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: P634331

Luminaire Tested: GWS-SA3B-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634331
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7487 lumens
Efficiency: N/A
Efficacy: 109.6 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

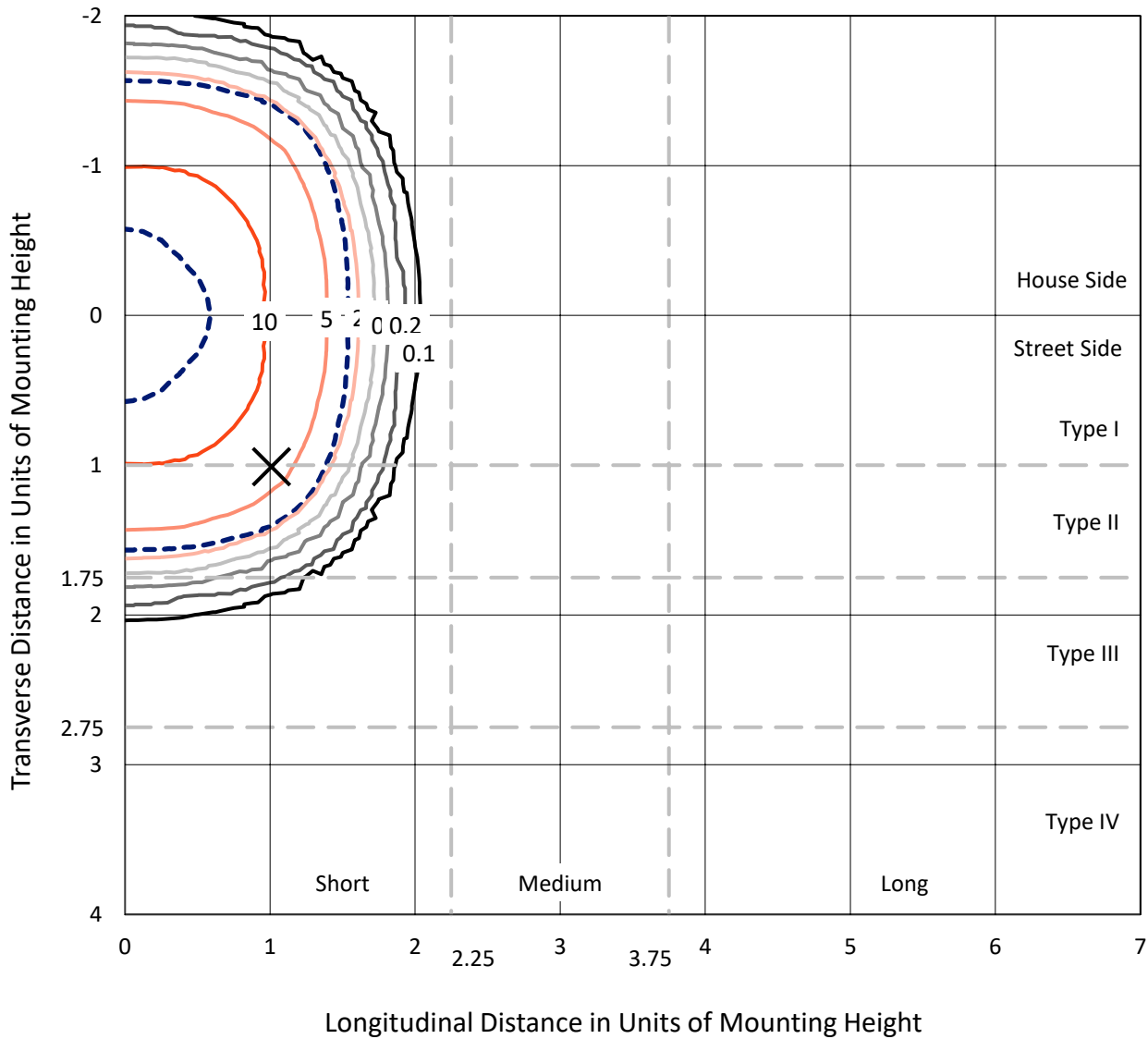
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

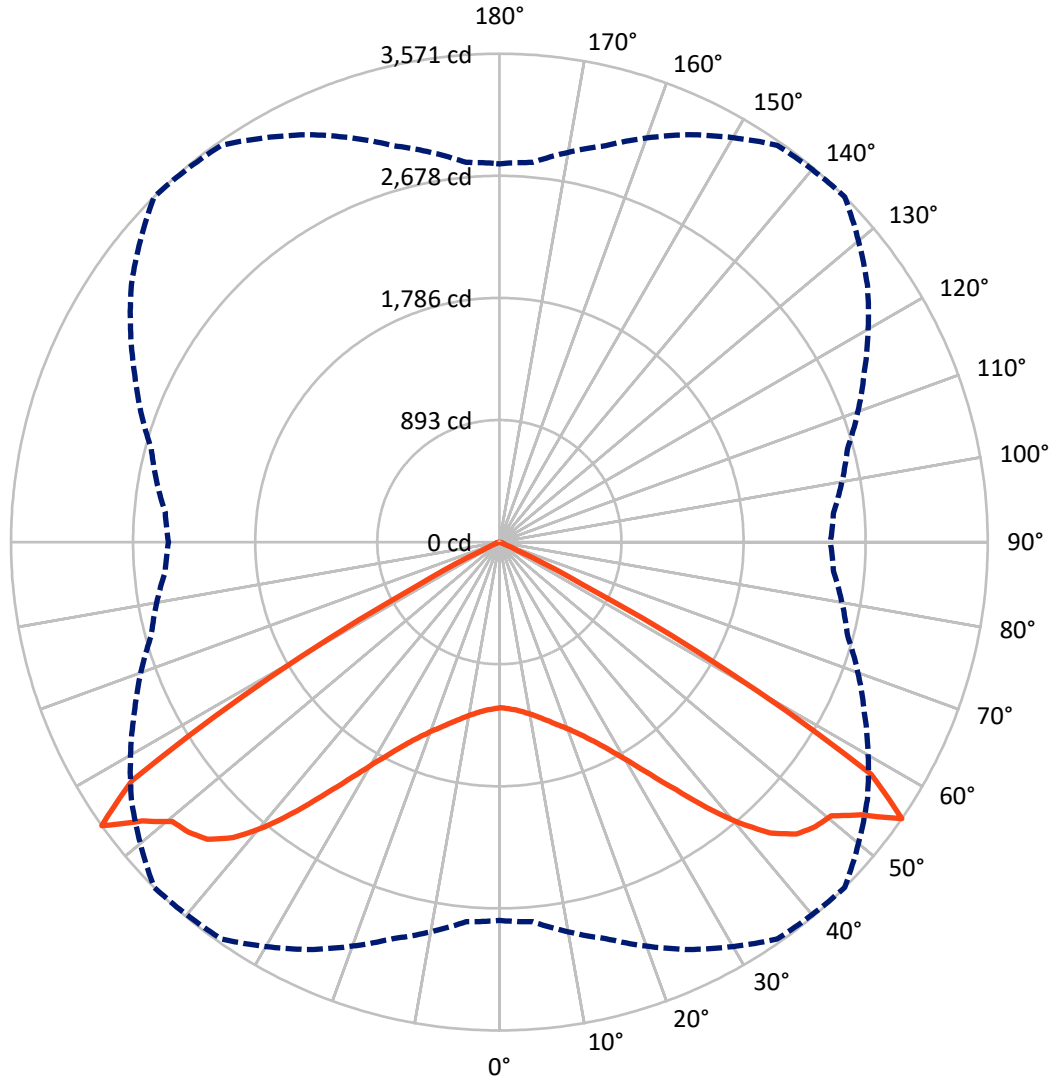
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 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	3743.5	0.0	3743.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3743.5	0.0	3743.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7487.0	0.0	7487.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	1.6
10°-20°	384.4	5.1
20°-30°	744.6	9.9
30°-40°	1333.9	17.8
40°-50°	2236.4	29.9
50°-60°	2393.9	32.0
60°-70°	263.1	3.5
70°-80°	11.6	0.2
80°-90°	0.6	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°	7487.0	100.0
0°-180°	7487.0	100.0

Coefficient of Utilization



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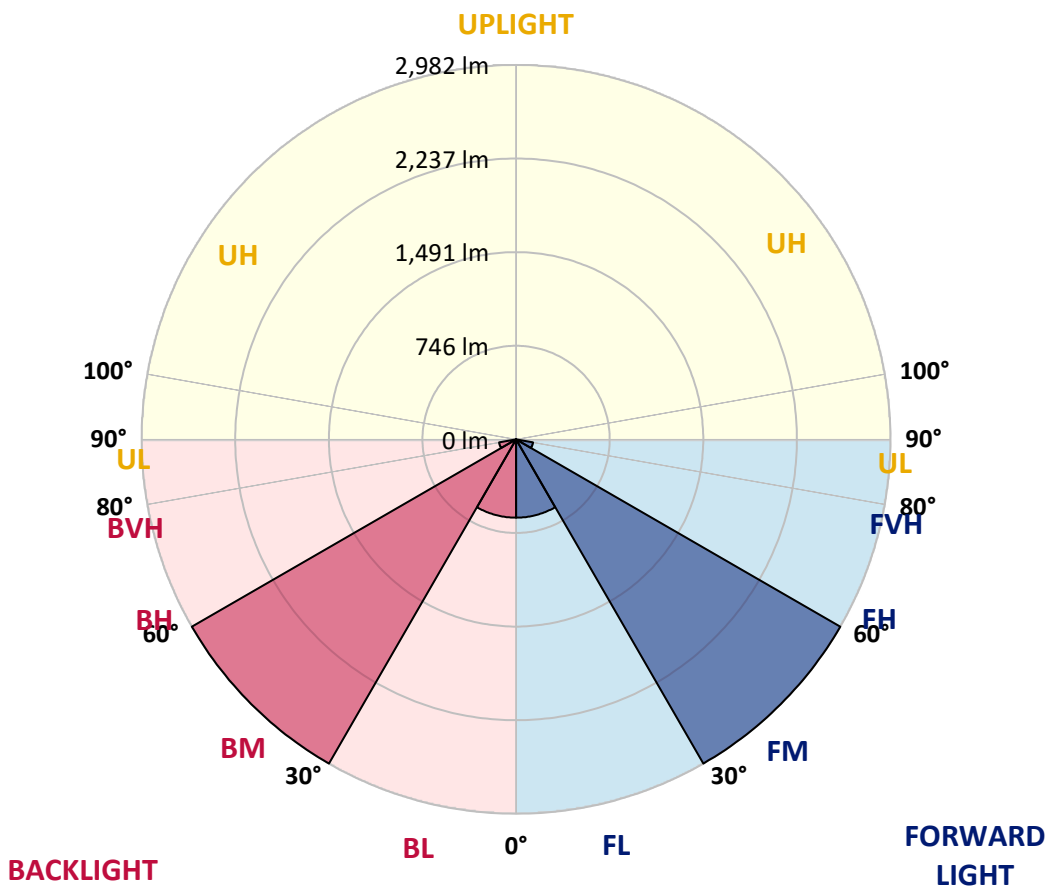
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	623.8	8.3			
FM (30°-60°)	2982.1	39.8			
FH (60°-80°)	137.3	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	623.8	8.3	B2/1000		
BM (30°-60°)	2982.1	39.8	B3/5000		
BH (60°-80°)	137.3	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°	1210.5	1210.5	1210.5	1210.5	1210.5	1210.5	1210.5	1210.5	1210.5	1210.5	1210.5
2.5°	1208.2	1208.2	1211.3	1213.6	1213.6	1219.7	1217.4	1215.1	1215.1	1212.0	1218.1
5°	1225.8	1225.0	1228.0	1229.6	1226.5	1232.6	1228.8	1226.5	1225.0	1221.9	1228.0
7.5°	1244.8	1245.6	1246.4	1249.4	1247.9	1254.0	1250.9	1246.4	1244.8	1240.3	1246.4
10°	1267.7	1267.7	1269.2	1273.1	1273.8	1281.4	1278.4	1273.1	1268.5	1263.9	1270.0
12.5°	1296.7	1297.5	1299.7	1305.1	1308.1	1316.5	1312.0	1301.3	1294.4	1289.1	1295.9
15°	1338.6	1337.9	1340.9	1348.6	1352.4	1358.5	1351.6	1337.1	1328.7	1322.6	1327.2
17.5°	1384.4	1384.4	1385.9	1393.6	1398.9	1408.1	1399.7	1382.1	1374.5	1366.1	1370.7
20°	1434.8	1437.0	1438.6	1443.9	1453.1	1462.2	1455.4	1437.8	1429.4	1418.7	1424.1
22.5°	1501.1	1498.8	1499.6	1508.7	1521.7	1530.9	1525.5	1504.9	1490.4	1482.0	1485.1
25°	1575.1	1574.3	1576.6	1590.4	1604.9	1614.8	1607.1	1580.4	1566.0	1551.5	1557.6
27.5°	1665.9	1666.6	1668.2	1684.9	1707.8	1722.3	1703.2	1676.6	1656.7	1637.7	1642.2
30°	1773.4	1771.9	1776.5	1799.4	1832.9	1855.8	1833.7	1796.3	1768.1	1749.8	1752.1
32.5°	1887.8	1889.4	1901.6	1938.2	1982.4	2022.8	1977.8	1928.3	1891.7	1857.3	1861.9
35°	2011.4	2015.2	2042.7	2096.8	2169.3	2223.5	2160.9	2079.3	2027.4	1983.2	1984.7
37.5°	2157.1	2166.2	2204.4	2285.2	2389.0	2461.4	2369.9	2261.6	2194.5	2139.5	2135.7
40°	2348.5	2359.2	2411.1	2507.2	2633.1	2699.4	2593.4	2482.0	2398.9	2339.4	2330.2
42.5°	2568.2	2582.0	2638.4	2736.8	2862.6	2907.6	2803.9	2710.1	2635.3	2565.2	2562.1
45°	2816.1	2823.7	2869.5	2945.0	3035.8	3046.5	2968.7	2916.8	2841.3	2775.7	2770.4
47.5°	3048.8	3056.4	3087.7	3126.6	3147.9	3109.8	3096.1	3073.2	2975.5	2894.7	2877.9
50°	3225.7	3231.8	3270.7	3286.0	3226.5	3145.6	3172.3	3123.5	3017.5	2926.7	2900.8
52.5°	3213.5	3228.8	3328.7	3415.6	3378.3	3312.7	3241.0	3135.7	2971.0	2846.6	2814.6
55°	2766.5	2787.1	3001.5	3287.5	3543.0	3571.3	3284.5	2945.0	2635.3	2453.0	2420.2
57.5°	1778.0	1783.3	2045.0	2446.2	3022.1	3203.6	2723.8	2220.4	1835.2	1634.6	1620.9
60°	653.7	643.0	840.6	1173.1	1740.6	1932.8	1603.3	1122.8	800.9	659.0	647.6
62.5°	157.1	158.7	196.8	295.2	546.1	675.8	533.9	298.2	189.9	159.4	157.9
65°	79.3	77.8	78.6	84.7	116.7	139.6	114.4	80.9	77.8	78.6	77.8
67.5°	51.1	50.3	51.9	52.6	51.9	48.8	48.1	49.6	49.6	50.3	48.8
70°	31.3	30.5	32.0	34.3	32.8	29.0	30.5	32.0	30.5	29.7	29.7
72.5°	16.8	16.8	18.3	19.8	18.3	16.8	16.8	17.5	16.8	16.8	16.8
75°	7.6	7.6	8.4	9.2	7.6	7.6	7.6	7.6	7.6	7.6	7.6
77.5°	2.3	2.3	3.1	3.1	2.3	2.3	2.3	2.3	3.1	3.1	3.1
80°	0.8	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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)