

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: P634333

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634333  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
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  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11120.7 lumens  
Efficiency: N/A  
Efficacy: 162.8 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

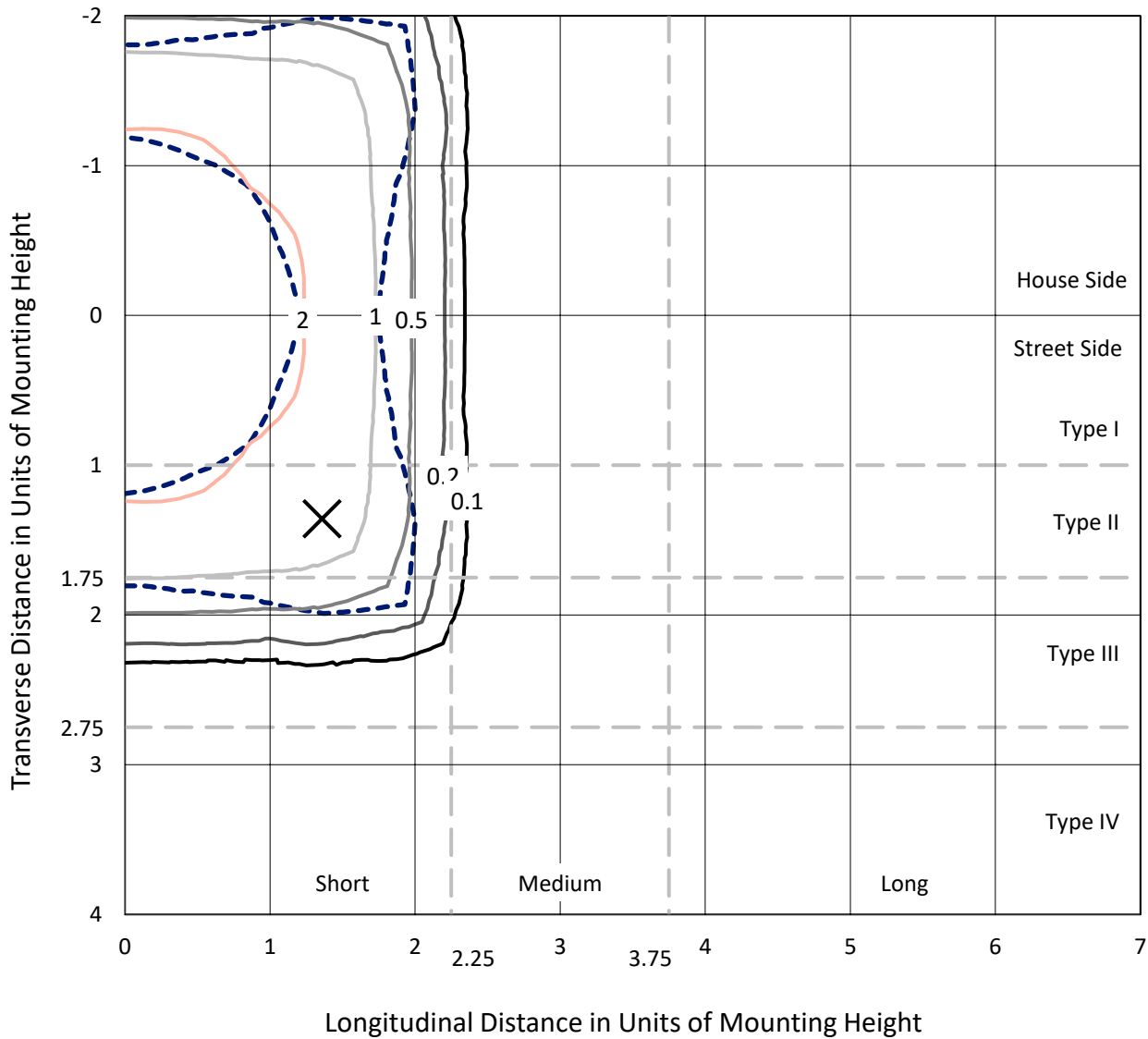
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

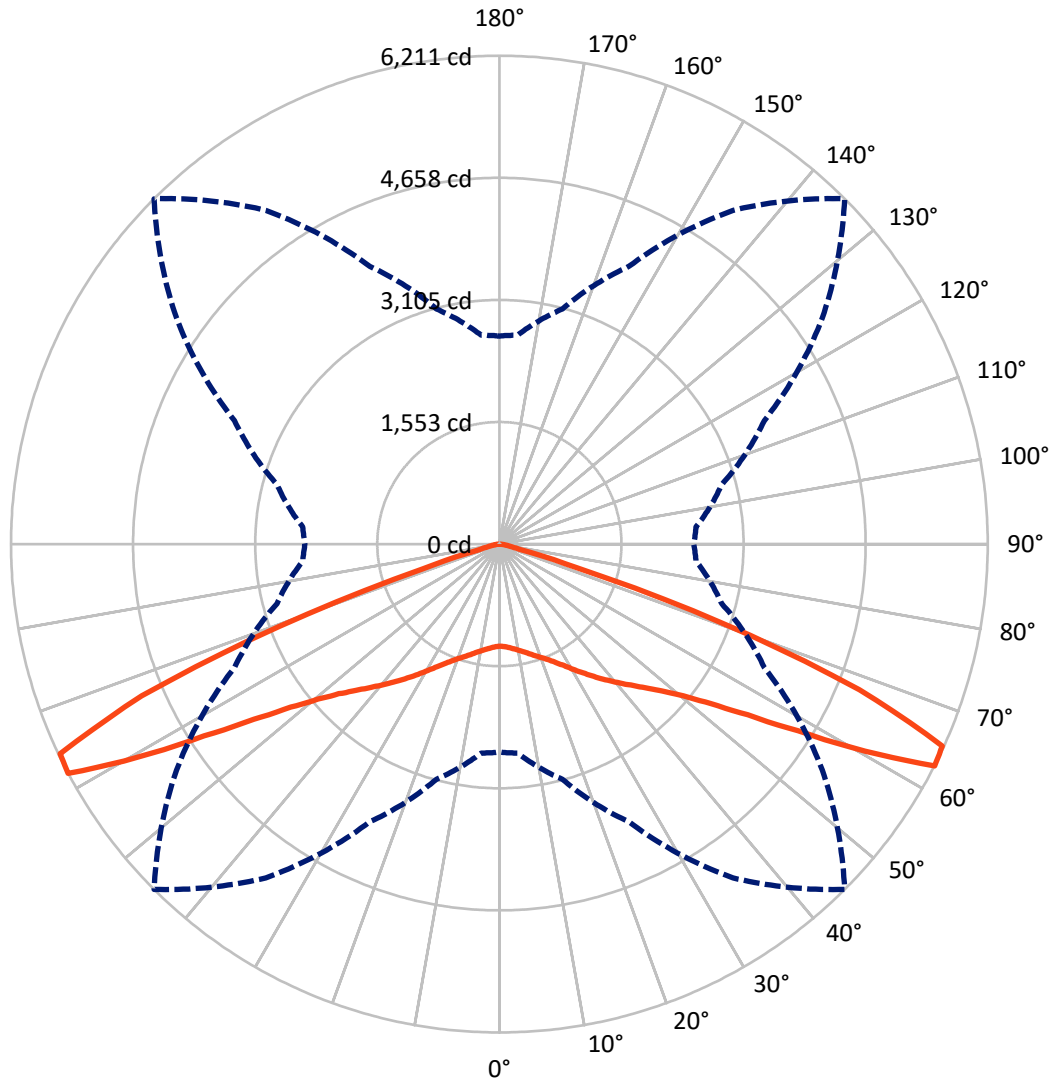
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5560.4	0.0	5560.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5560.4	0.0	5560.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11120.7	0.0	11120.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.3	1.1
10°-20°	410.5	3.7
20°-30°	776.6	7.0
30°-40°	1307.1	11.8
40°-50°	2088.4	18.8
50°-60°	3366.4	30.3
60°-70°	2746.6	24.7
70°-80°	266.7	2.4
80°-90°	31.0	0.3
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°	11120.7	100.0
0°-180°	11120.7	100.0

**Coefficient of Utilization**



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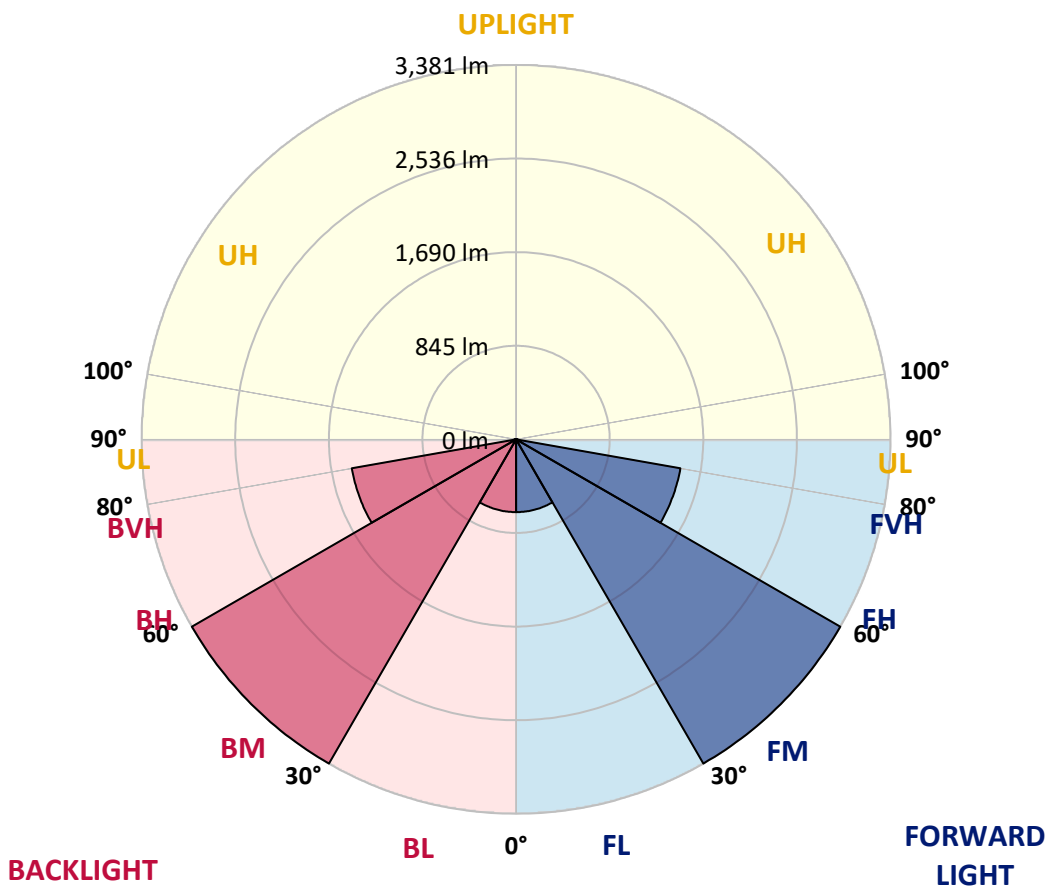
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	657.2	5.9			
FM (30°-60°)	3381.0	30.4			
FH (60°-80°)	1506.7	13.5			G1/1800
FVH (80°-90°)	15.5	0.1			G1/100
BL (0°-30°)	657.2	5.9	B2/1000		
BM (30°-60°)	3381.0	30.4	B3/5000		
BH (60°-80°)	1506.7	13.5	B3/2500		G1/1800
BVH (80°-90°)	15.5	0.1			G1/100
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°	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4
2.5°	1295.9	1295.9	1298.9	1301.2	1299.7	1305.8	1305.0	1303.5	1302.7	1300.4	1307.3
5°	1313.4	1313.4	1315.7	1318.0	1314.2	1321.8	1318.7	1317.2	1316.4	1313.4	1319.5
7.5°	1333.2	1335.5	1336.3	1340.1	1337.8	1346.2	1343.9	1340.9	1339.3	1335.5	1340.9
10°	1355.3	1356.9	1357.6	1364.5	1365.3	1375.2	1372.9	1369.1	1366.0	1362.2	1369.8
12.5°	1385.1	1385.9	1388.1	1396.5	1398.8	1406.4	1405.7	1400.3	1396.5	1391.2	1399.6
15°	1423.2	1424.0	1427.8	1436.2	1440.0	1449.2	1446.1	1437.7	1432.4	1426.3	1433.1
17.5°	1462.9	1465.9	1469.8	1478.1	1483.5	1494.2	1490.3	1481.2	1476.6	1470.5	1475.1
20°	1514.0	1514.8	1517.0	1526.2	1530.0	1542.2	1543.0	1533.8	1531.5	1525.4	1532.3
22.5°	1570.4	1571.2	1573.5	1583.4	1590.3	1597.9	1602.5	1597.1	1593.3	1585.7	1594.1
25°	1633.0	1640.6	1642.9	1655.1	1662.7	1667.3	1672.6	1670.3	1665.0	1655.9	1659.7
27.5°	1720.7	1722.2	1726.0	1739.8	1744.3	1748.9	1754.2	1755.0	1747.4	1736.7	1742.0
30°	1820.6	1819.8	1828.2	1838.9	1842.7	1846.5	1854.2	1858.7	1848.8	1837.4	1842.7
32.5°	1922.8	1932.0	1942.6	1952.6	1950.3	1951.8	1964.0	1972.4	1958.7	1938.1	1942.6
35°	2038.0	2044.1	2057.8	2072.3	2069.2	2067.0	2074.6	2083.0	2063.9	2037.2	2044.1
37.5°	2156.2	2165.4	2185.9	2203.5	2198.9	2188.2	2196.6	2205.8	2187.5	2157.0	2153.9
40°	2288.1	2302.6	2332.4	2346.9	2334.7	2314.1	2328.6	2350.7	2332.4	2297.3	2288.9
42.5°	2443.0	2460.5	2490.3	2512.4	2485.7	2452.1	2476.5	2508.6	2504.0	2457.5	2443.0
45°	2634.4	2645.9	2682.5	2693.1	2653.5	2607.0	2651.2	2700.0	2688.6	2638.2	2619.2
47.5°	2842.6	2860.2	2892.2	2912.0	2848.0	2790.0	2851.8	2917.4	2905.2	2857.9	2835.8
50°	3108.1	3130.9	3172.9	3189.7	3101.2	3034.8	3114.2	3197.3	3173.7	3110.4	3081.4
52.5°	3397.1	3415.4	3487.1	3520.7	3437.6	3365.9	3435.3	3516.9	3466.5	3382.6	3343.7
55°	3651.9	3670.2	3775.4	3886.8	3883.0	3833.4	3868.5	3870.0	3733.5	3594.7	3553.5
57.5°	3706.8	3725.1	3925.7	4217.1	4423.0	4480.2	4377.2	4160.6	3816.6	3573.3	3526.8
60°	3413.9	3434.5	3753.3	4285.7	4963.0	5345.1	4870.7	4154.5	3559.6	3230.1	3185.9
62.5°	2645.1	2667.2	3095.9	3895.2	5181.1	6210.8	5014.1	3717.5	2928.1	2510.9	2472.0
65°	1263.1	1263.1	1807.6	2793.8	4746.4	6190.2	4599.2	2750.4	1762.6	1353.8	1320.3
67.5°	312.7	314.2	465.3	1087.6	3228.6	4940.1	3281.2	1320.3	620.9	439.3	427.9
70°	195.3	194.5	215.8	294.4	1129.6	2998.2	1341.6	398.1	252.5	222.7	221.2
72.5°	151.8	151.8	162.5	188.4	295.9	1021.3	391.3	221.2	183.1	164.7	164.7
75°	119.7	119.7	127.4	141.1	174.7	263.1	208.2	164.0	141.9	129.7	128.1
77.5°	89.2	90.8	96.9	106.0	119.0	148.0	131.9	123.6	110.6	101.4	98.4
80°	58.0	60.3	67.9	73.2	77.8	97.6	86.2	90.0	83.9	73.2	71.7
82.5°	31.3	32.0	41.2	42.7	44.2	53.4	54.9	57.2	59.5	46.5	43.5
85°	11.4	11.4	13.7	16.0	17.5	19.1	25.9	32.0	33.6	26.7	25.9
87.5°	2.3	2.3	2.3	1.5	1.5	1.5	4.6	8.4	13.7	10.7	10.7
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)