

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: P634494

Luminaire Tested: GWS-SA3B-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-830-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7234.8 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

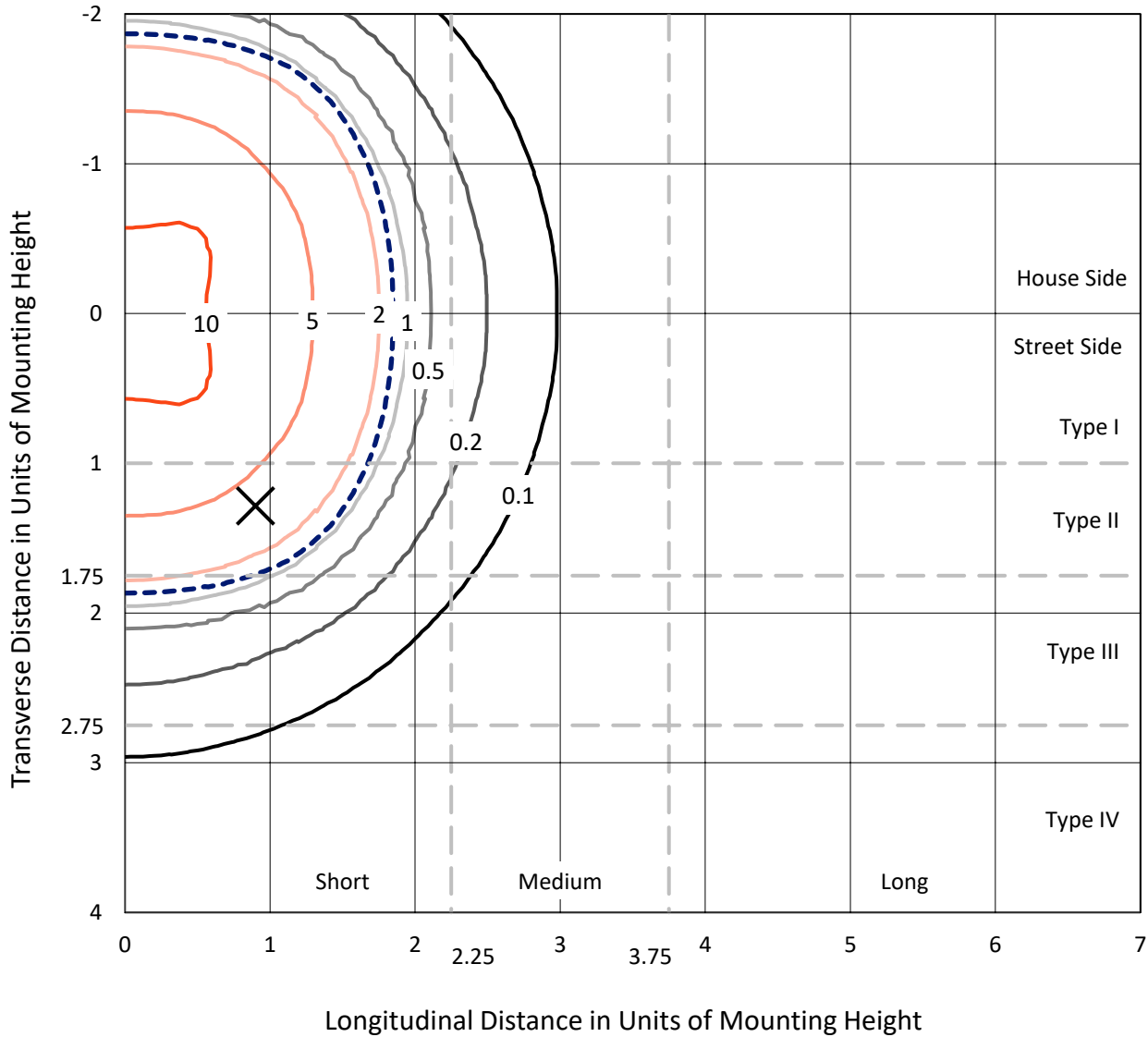
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

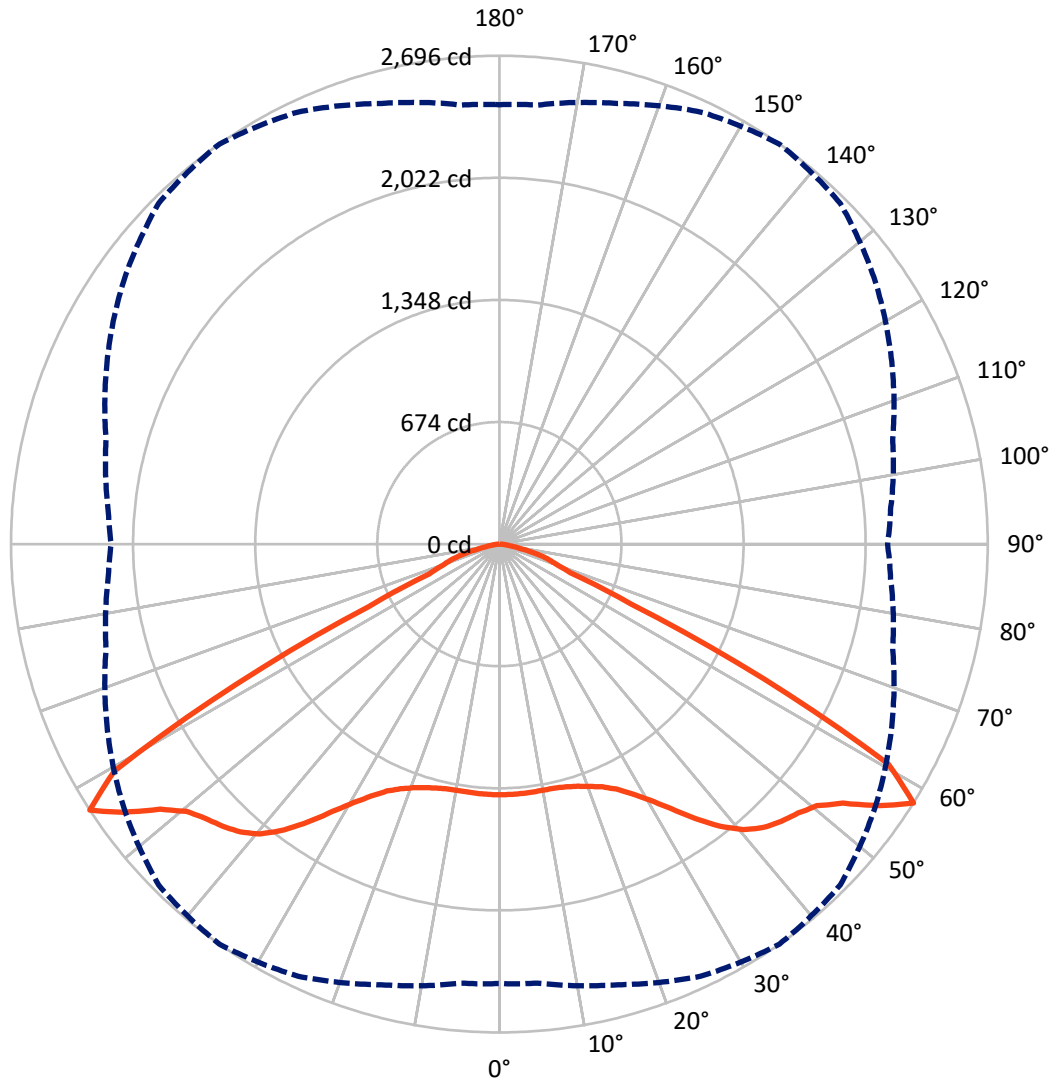
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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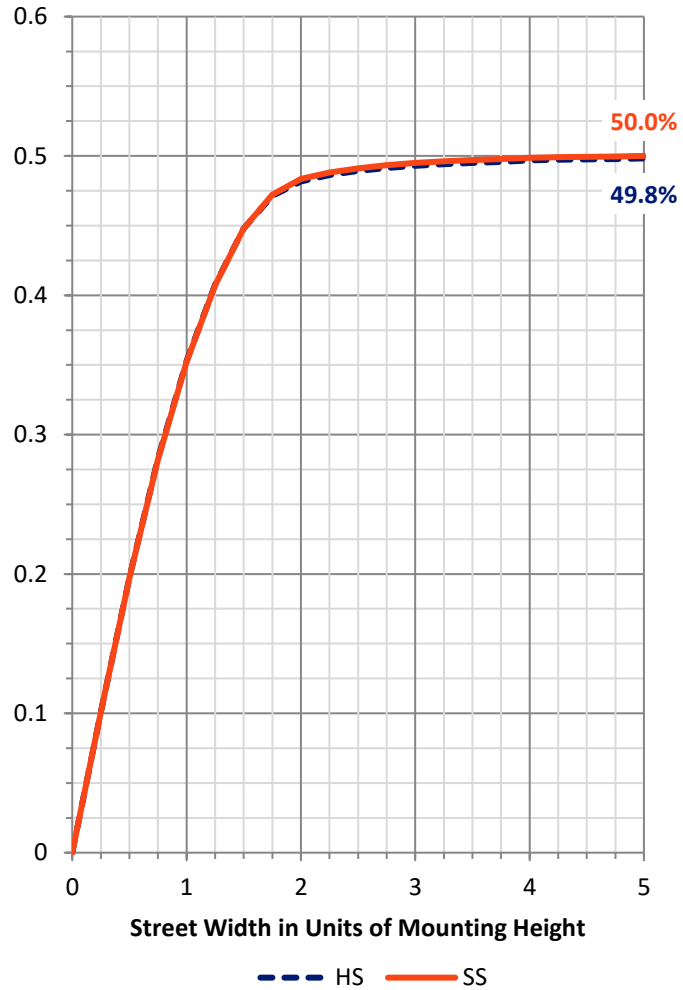
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3617.4	0.0	3617.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3617.4	0.0	3617.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7234.8	0.0	7234.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.7	1.8
10°-20°	392.9	5.4
20°-30°	685.5	9.5
30°-40°	1124.1	15.5
40°-50°	1655.6	22.9
50°-60°	2112.8	29.2
60°-70°	890.4	12.3
70°-80°	212.7	2.9
80°-90°	29.0	0.4
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°	7234.8	100.0
0°-180°	7234.8	100.0

Coefficient of Utilization



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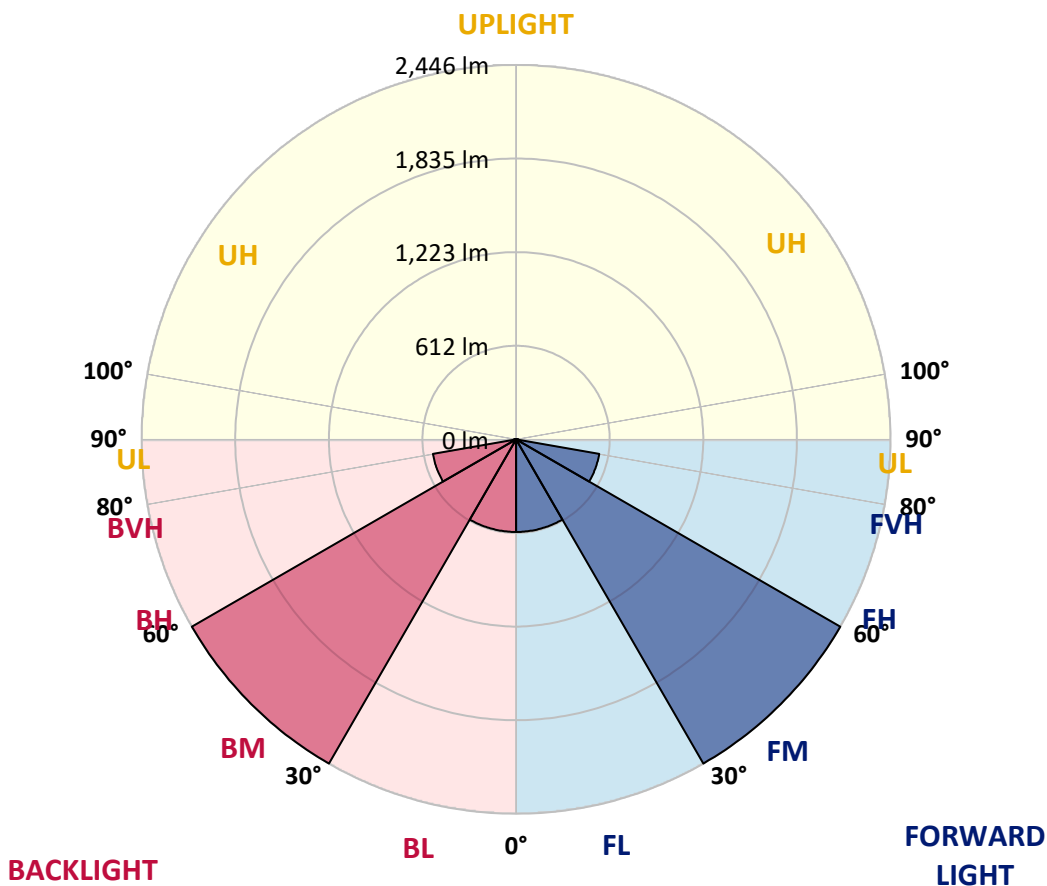
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.1	8.4			
FM (30°-60°)	2446.3	33.8			
FH (60°-80°)	551.6	7.6			G0/660
FVH (80°-90°)	14.5	0.2			G1/100
BL (0°-30°)	605.1	8.4	B2/1000		
BM (30°-60°)	2446.3	33.8	B2/2500		
BH (60°-80°)	551.6	7.6	B2/1000		G0/660
BVH (80°-90°)	14.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3	1384.3
2.5°	1376.0	1376.0	1379.0	1381.9	1383.1	1388.4	1387.9	1386.1	1384.9	1381.3	1386.1
5°	1379.0	1379.0	1381.3	1383.1	1382.5	1386.7	1384.9	1381.9	1380.1	1376.6	1381.9
7.5°	1378.4	1378.4	1380.1	1381.9	1380.7	1384.3	1381.3	1377.2	1374.2	1370.7	1375.4
10°	1370.7	1371.9	1373.6	1377.8	1379.6	1384.9	1380.7	1374.2	1369.5	1365.3	1370.1
12.5°	1369.5	1370.7	1373.0	1378.4	1381.3	1389.0	1383.7	1373.0	1365.9	1360.6	1365.3
15°	1374.8	1376.0	1379.6	1386.1	1390.8	1399.1	1391.4	1376.6	1366.5	1359.4	1363.6
17.5°	1381.3	1383.1	1388.4	1397.9	1405.6	1414.5	1405.0	1387.3	1373.0	1363.6	1367.1
20°	1388.4	1390.8	1399.1	1413.3	1427.5	1438.8	1426.9	1403.3	1386.1	1373.6	1377.2
22.5°	1400.9	1403.8	1414.5	1434.6	1456.0	1472.6	1457.7	1425.8	1403.3	1387.3	1390.2
25°	1426.4	1429.9	1443.5	1467.8	1498.0	1518.2	1497.4	1461.3	1429.9	1410.4	1413.3
27.5°	1471.4	1473.1	1490.9	1522.9	1560.2	1583.3	1558.4	1515.8	1480.8	1458.3	1460.7
30°	1530.6	1535.9	1553.7	1595.8	1640.2	1671.0	1638.4	1588.1	1547.8	1520.5	1522.9
32.5°	1602.9	1606.4	1633.1	1676.9	1740.9	1776.4	1732.0	1672.2	1623.6	1590.4	1592.8
35°	1697.6	1700.6	1726.1	1781.8	1859.4	1892.5	1841.6	1772.9	1716.6	1685.2	1694.1
37.5°	1810.8	1816.1	1834.5	1889.6	1976.0	2008.6	1950.0	1886.0	1827.4	1798.3	1804.9
40°	1932.2	1931.6	1946.4	1995.0	2073.8	2093.9	2041.2	1990.3	1939.9	1921.0	1931.6
42.5°	2036.5	2033.5	2044.2	2084.4	2138.9	2140.7	2105.8	2077.3	2041.8	2028.8	2038.8
45°	2109.3	2110.5	2126.5	2154.3	2182.2	2167.4	2156.7	2152.0	2124.1	2106.4	2108.1
47.5°	2166.8	2171.5	2197.0	2215.9	2219.5	2194.6	2209.4	2216.5	2193.4	2166.2	2158.5
50°	2217.7	2225.4	2258.6	2278.7	2271.0	2239.6	2268.7	2279.3	2228.4	2176.3	2160.9
52.5°	2310.1	2319.0	2359.3	2385.3	2376.5	2345.1	2372.3	2334.4	2248.5	2184.5	2165.0
55°	2457.6	2461.8	2510.9	2553.6	2549.4	2510.9	2489.0	2404.9	2300.6	2234.3	2215.9
57.5°	2426.2	2433.3	2518.6	2632.4	2696.3	2661.4	2532.8	2389.5	2247.9	2168.0	2143.1
60°	1909.1	1926.3	2032.3	2232.5	2467.1	2466.5	2227.8	2005.1	1834.5	1728.4	1717.8
62.5°	1114.8	1126.6	1223.2	1425.8	1636.0	1649.1	1481.4	1328.6	1179.3	1107.7	1073.3
65°	527.8	527.2	565.7	656.9	799.1	810.3	760.0	676.5	588.2	563.9	557.4
67.5°	389.8	389.8	386.8	393.3	420.6	426.5	420.6	406.9	398.6	404.0	400.4
70°	338.2	338.8	335.3	333.5	333.5	331.7	334.1	339.4	343.0	350.1	346.5
72.5°	274.3	274.8	274.8	275.4	276.0	273.7	277.2	280.2	280.8	283.1	280.8
75°	194.9	196.1	199.6	202.6	204.9	204.9	206.1	206.7	204.4	207.3	202.6
77.5°	107.2	108.4	114.9	120.2	125.6	126.2	127.9	129.1	127.9	130.3	126.8
80°	59.2	60.4	63.4	65.7	69.9	73.5	75.8	77.0	77.0	78.8	77.0
82.5°	33.8	34.9	36.7	37.9	41.5	44.4	46.8	48.6	48.6	49.2	48.0
85°	16.0	16.0	17.2	18.4	20.1	21.3	24.3	26.1	26.1	27.2	26.1
87.5°	2.4	3.0	3.6	3.6	4.7	5.9	7.1	7.7	8.9	9.5	9.5
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)