

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: P634497

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-830-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 7490.7 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

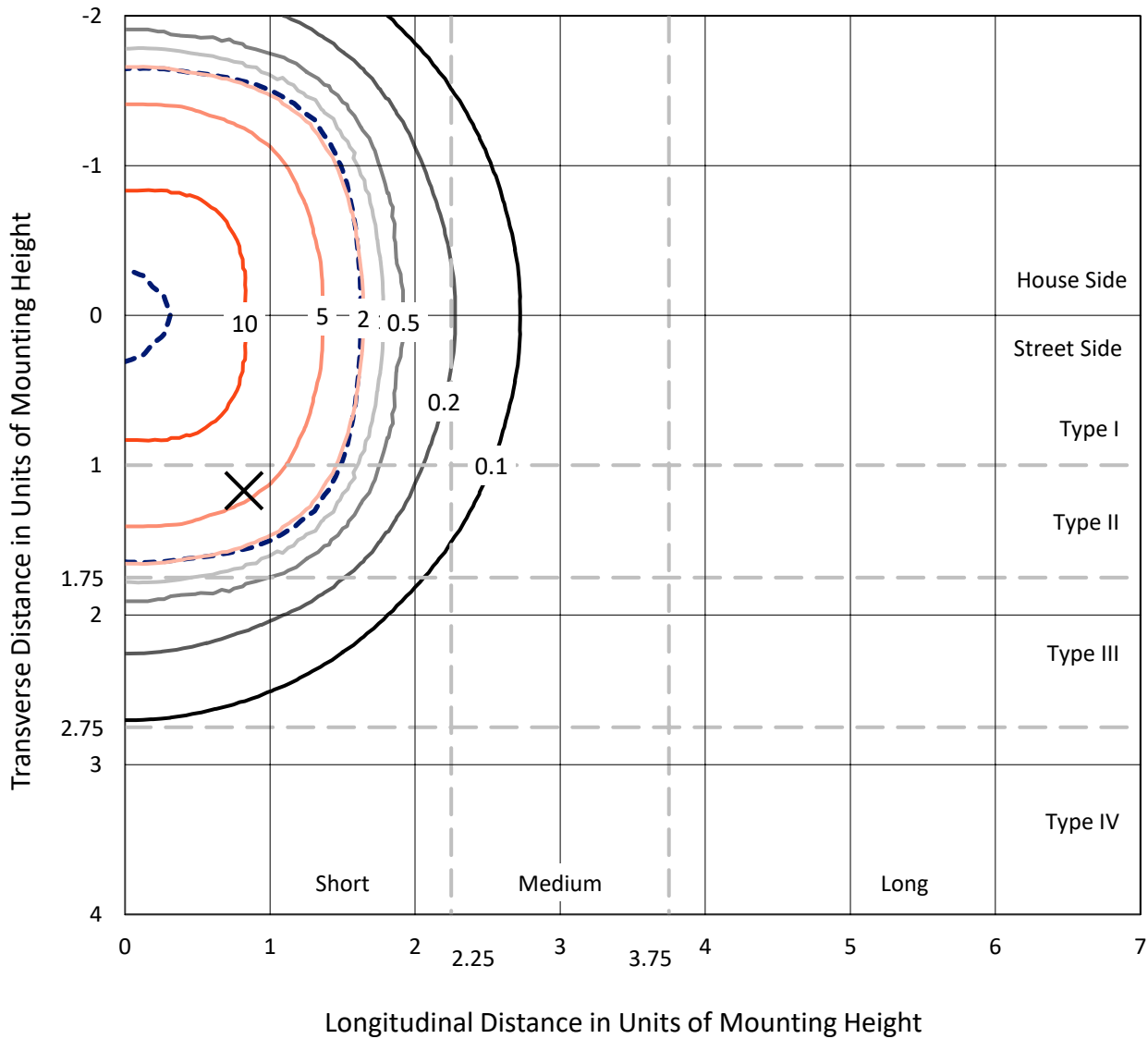
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

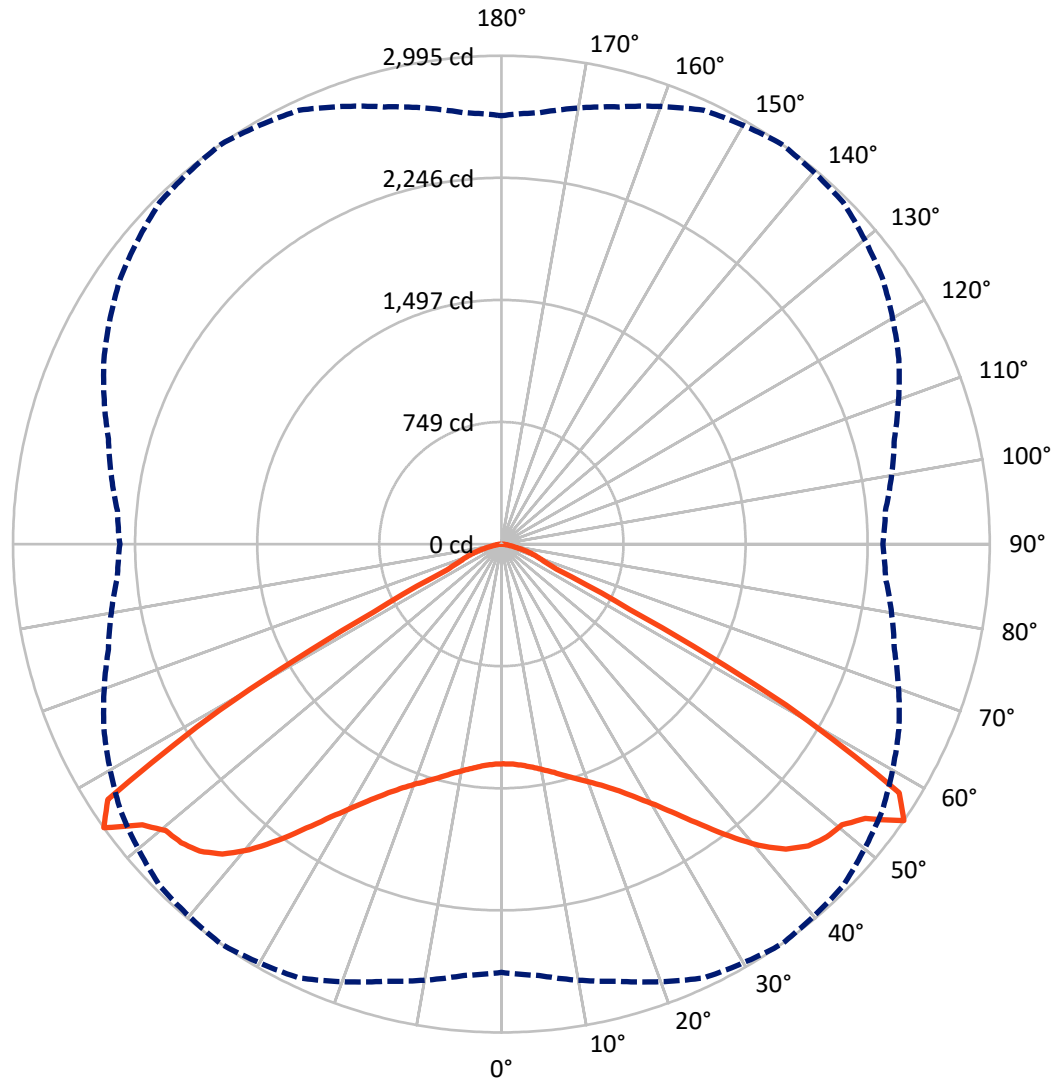
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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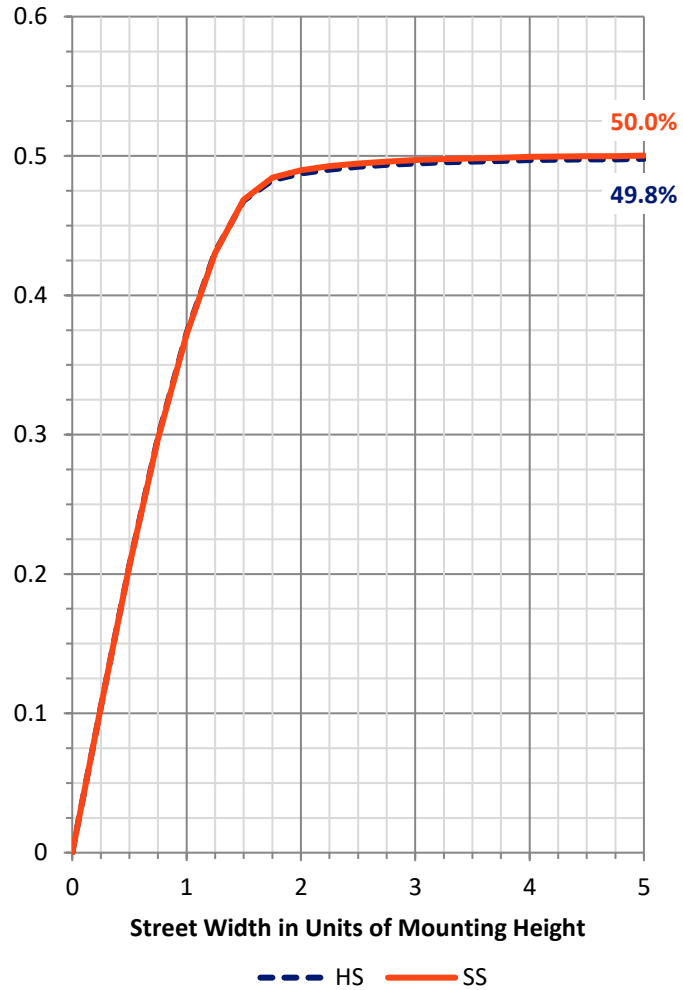
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3745.4	0.0	3745.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3745.4	0.0	3745.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7490.7	0.0	7490.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.4	1.8
10°-20°	418.5	5.6
20°-30°	774.5	10.3
30°-40°	1295.6	17.3
40°-50°	1974.3	26.4
50°-60°	2211.6	29.5
60°-70°	523.3	7.0
70°-80°	141.1	1.9
80°-90°	20.3	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°	7490.7	100.0
0°-180°	7490.7	100.0

Coefficient of Utilization



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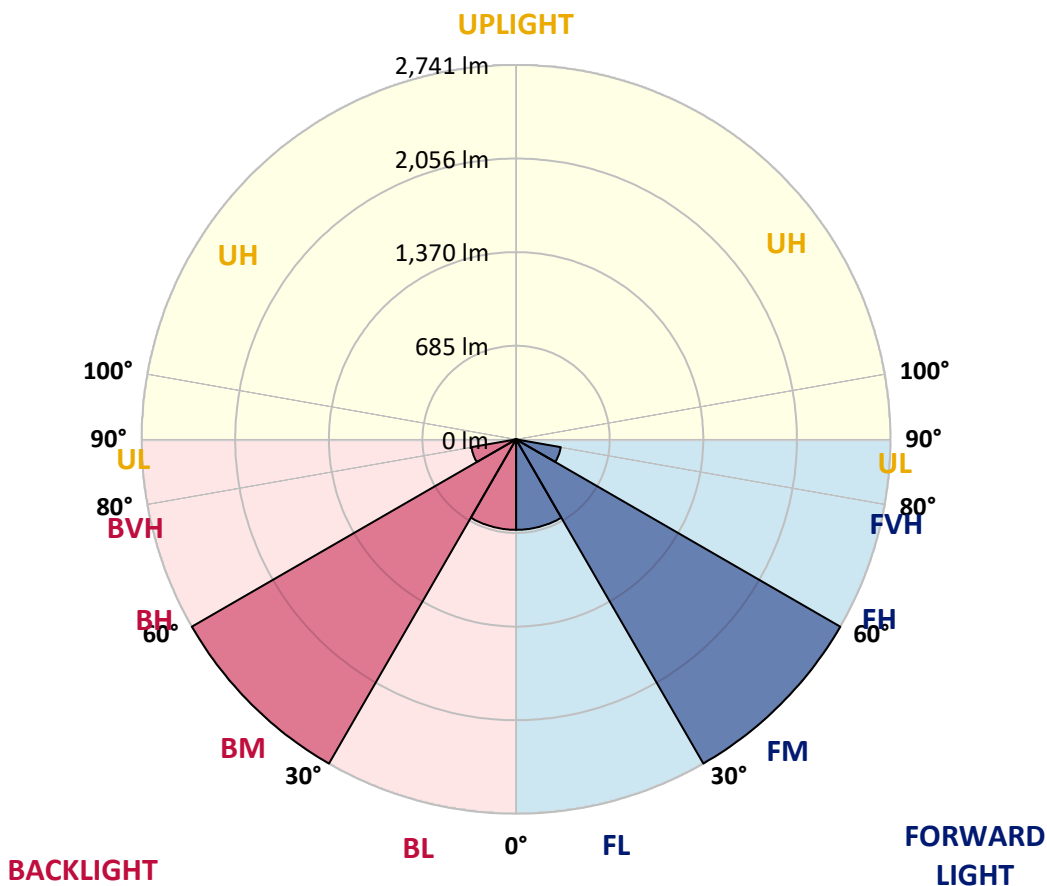
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	662.2	8.8			
FM (30°-60°)	2740.8	36.6			
FH (60°-80°)	332.2	4.4			G0/660
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	662.2	8.8	B2/1000		
BM (30°-60°)	2740.8	36.6	B3/5000		
BH (60°-80°)	332.2	4.4	B1/500		G0/660
BVH (80°-90°)	10.1	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°	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6
2.5°	1344.6	1344.6	1347.0	1350.0	1350.6	1356.5	1355.3	1352.9	1351.7	1349.4	1354.7
5°	1359.4	1360.0	1361.8	1363.6	1362.4	1367.1	1365.4	1362.4	1360.6	1357.7	1363.0
7.5°	1379.0	1379.0	1380.8	1383.1	1382.0	1389.1	1385.5	1381.4	1378.4	1374.8	1379.6
10°	1396.8	1397.9	1399.7	1404.5	1406.8	1414.5	1412.2	1406.2	1401.5	1397.4	1402.7
12.5°	1423.4	1424.6	1426.4	1432.9	1437.0	1444.7	1441.2	1432.9	1425.8	1419.9	1425.8
15°	1457.8	1456.6	1461.3	1469.6	1475.0	1482.1	1477.9	1463.7	1454.2	1446.5	1452.4
17.5°	1492.7	1492.1	1496.9	1507.5	1515.2	1524.7	1517.6	1501.0	1490.9	1481.5	1487.4
20°	1530.6	1532.4	1537.1	1547.2	1558.5	1570.9	1565.0	1547.2	1536.0	1525.3	1530.0
22.5°	1577.4	1578.0	1583.4	1596.4	1611.2	1623.0	1619.5	1597.6	1583.4	1572.1	1578.0
25°	1633.7	1633.1	1640.2	1655.6	1676.4	1688.2	1680.5	1656.2	1640.8	1627.8	1632.5
27.5°	1698.3	1697.7	1708.3	1728.5	1758.1	1774.7	1758.7	1728.5	1707.2	1688.8	1692.9
30°	1779.4	1777.6	1789.5	1816.7	1855.2	1883.1	1859.4	1817.3	1789.5	1769.9	1774.1
32.5°	1869.5	1871.8	1886.6	1923.4	1971.9	2008.1	1972.5	1925.7	1888.4	1860.0	1864.7
35°	1968.4	1968.4	1998.6	2044.2	2113.5	2161.5	2106.4	2038.9	1989.1	1950.0	1951.2
37.5°	2078.6	2079.7	2119.4	2182.2	2272.8	2329.1	2254.5	2171.0	2110.5	2068.5	2066.1
40°	2213.0	2216.6	2257.4	2327.3	2429.2	2480.8	2400.8	2319.1	2257.4	2207.7	2203.0
42.5°	2364.7	2365.8	2409.1	2471.9	2557.8	2588.6	2525.8	2458.8	2408.5	2363.5	2358.7
45°	2509.2	2506.2	2543.6	2590.3	2640.1	2643.1	2608.1	2580.9	2537.0	2498.5	2491.4
47.5°	2621.7	2619.4	2653.1	2678.6	2684.5	2655.5	2666.8	2670.9	2620.0	2567.8	2554.2
50°	2690.5	2695.2	2727.2	2741.4	2706.4	2659.1	2701.7	2691.0	2618.2	2550.1	2528.2
52.5°	2731.9	2739.0	2794.7	2830.8	2794.7	2749.7	2755.6	2692.8	2588.0	2497.9	2469.5
55°	2627.1	2655.5	2775.8	2935.7	2994.9	2963.5	2851.0	2689.3	2495.0	2364.1	2339.8
57.5°	1947.1	1992.1	2170.4	2516.9	2877.0	2991.4	2662.6	2254.5	1960.1	1791.9	1777.6
60°	994.0	1044.3	1187.1	1543.1	2006.3	2167.4	1854.6	1443.6	1147.4	1011.1	995.7
62.5°	405.8	414.1	460.8	598.3	886.7	1023.0	898.6	630.9	473.9	436.6	437.2
65°	319.3	321.1	318.7	327.0	371.4	412.3	380.9	334.7	326.4	330.5	327.6
67.5°	278.4	279.0	277.2	277.2	279.0	277.2	280.8	282.6	283.7	288.5	285.5
70°	232.8	233.4	233.4	234.6	234.0	231.0	236.3	238.7	239.3	242.3	240.5
72.5°	180.1	181.9	183.0	183.6	183.0	181.3	184.2	188.4	187.8	190.7	187.8
75°	122.0	124.4	125.6	127.9	127.4	127.4	130.9	132.7	130.9	133.3	130.9
77.5°	69.3	71.1	74.6	77.0	79.4	81.2	83.5	84.7	84.1	85.3	84.1
80°	40.3	40.9	43.8	45.0	48.0	50.9	53.3	54.5	55.1	55.7	55.1
82.5°	23.1	23.7	24.9	26.1	28.4	30.8	33.2	34.9	34.9	35.5	34.9
85°	11.3	11.3	11.8	12.4	13.6	15.4	17.2	19.0	19.5	19.5	19.5
87.5°	1.8	1.8	2.4	2.4	3.0	3.6	4.7	5.9	6.5	6.5	6.5
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)