

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: P634390

Luminaire Tested: GWS-SA3B-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-760-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8862.7 lumens
Efficiency: N/A
Efficacy: 129.8 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

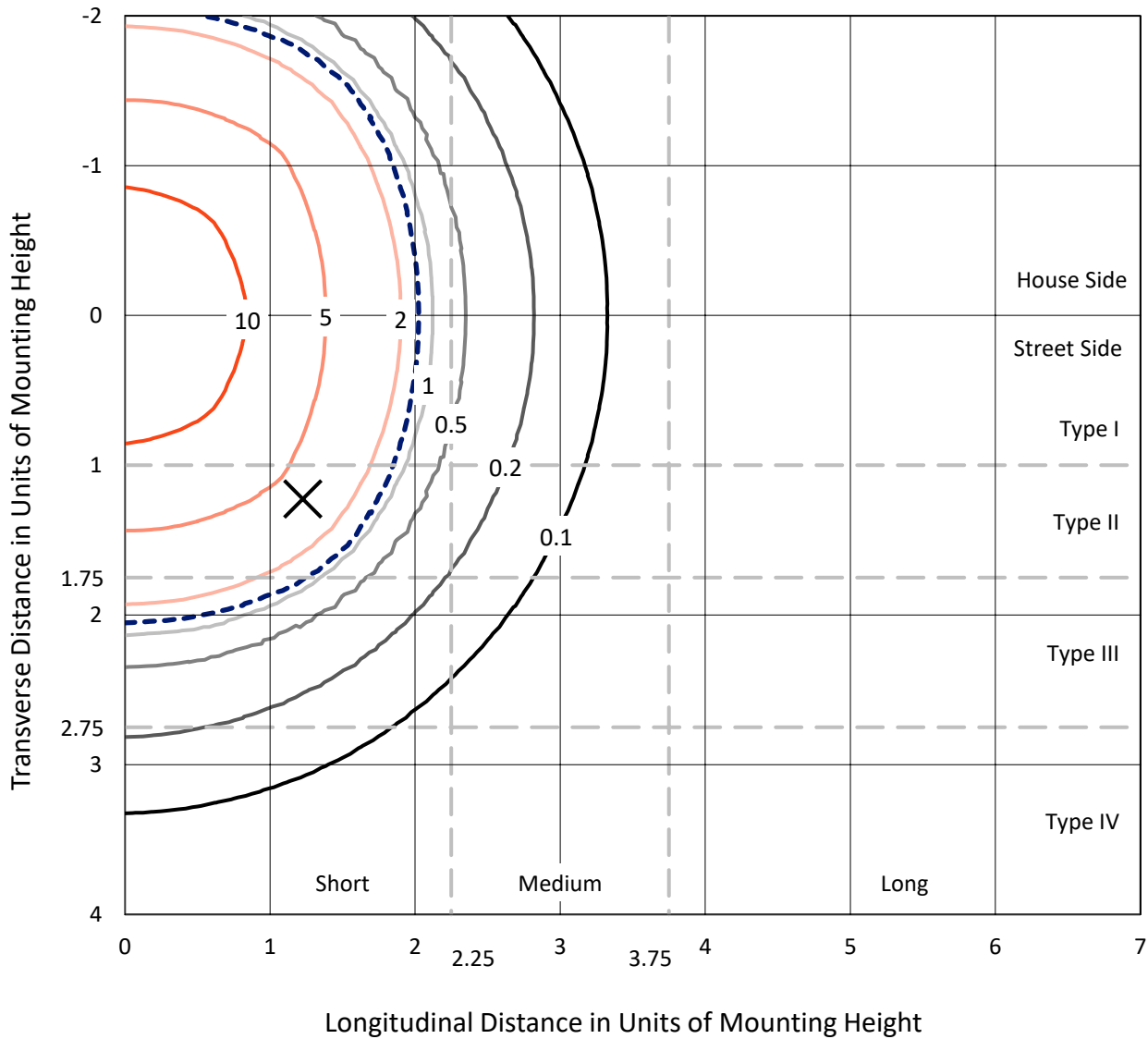
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

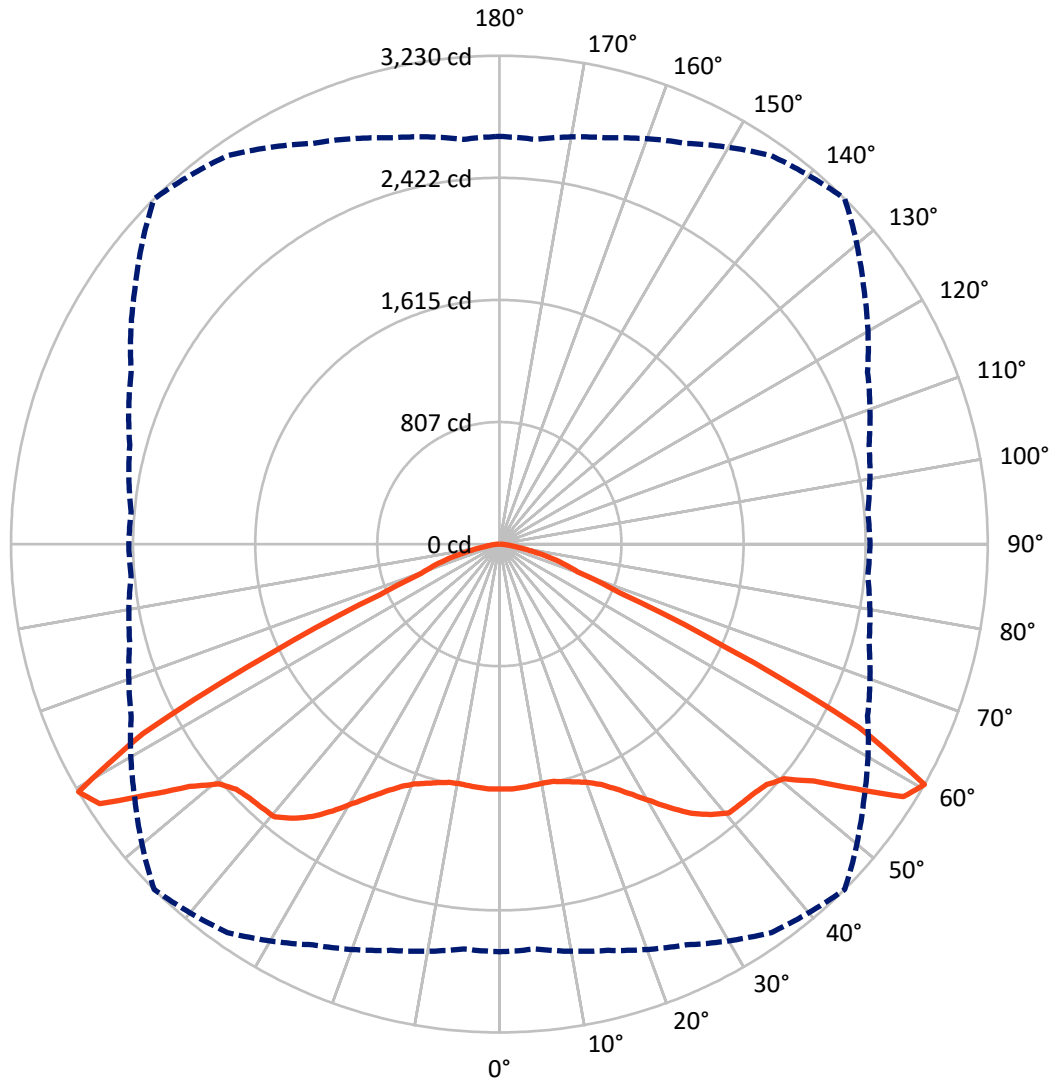
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4431.3	0.0	4431.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4431.3	0.0	4431.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8862.7	0.0	8862.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.6	1.7
10°-20°	462.0	5.2
20°-30°	817.4	9.2
30°-40°	1316.0	14.8
40°-50°	1808.8	20.4
50°-60°	2410.4	27.2
60°-70°	1502.3	17.0
70°-80°	345.5	3.9
80°-90°	46.9	0.5
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°	8862.7	100.0
0°-180°	8862.7	100.0

Coefficient of Utilization



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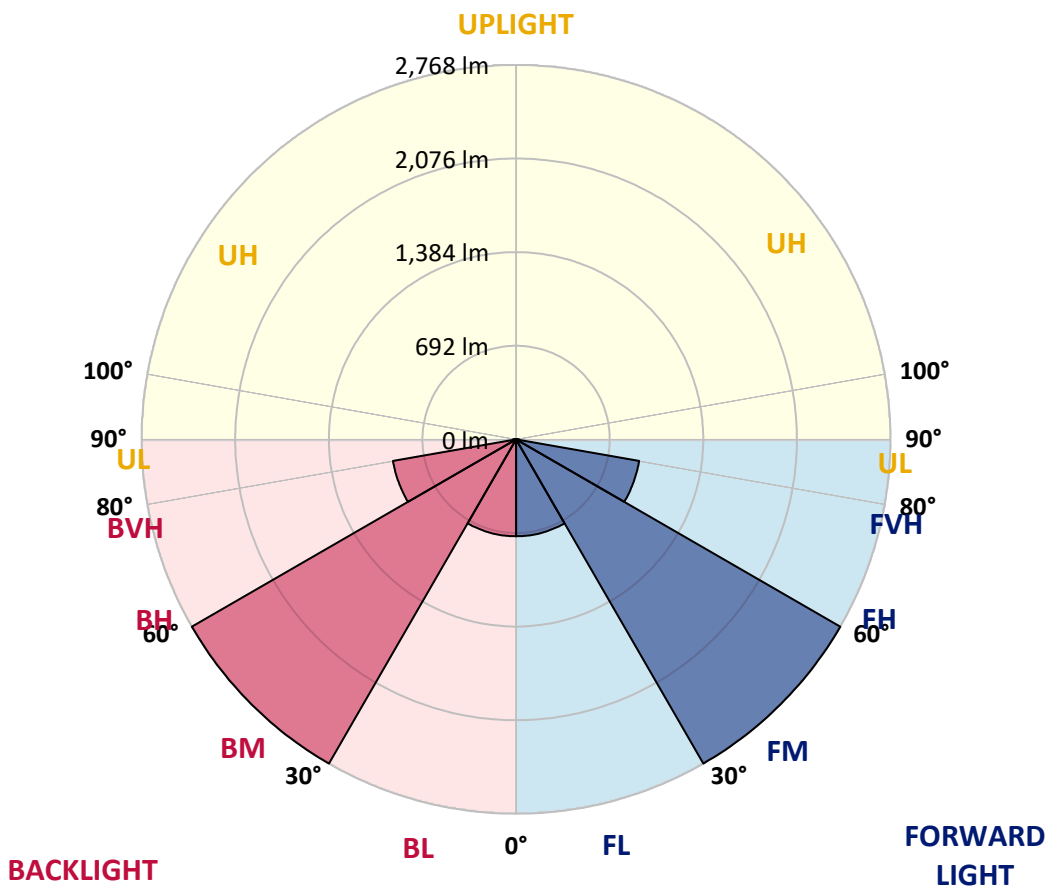
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	716.5	8.1			
FM (30°-60°)	2767.6	31.2			
FH (60°-80°)	923.9	10.4			G1/1800
FVH (80°-90°)	23.4	0.3			G1/100
BL (0°-30°)	716.5	8.1	B2/1000		
BM (30°-60°)	2767.6	31.2	B3/5000		
BH (60°-80°)	923.9	10.4	B2/1000		G1/1800
BVH (80°-90°)	23.4	0.3			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°	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6	1619.6
2.5°	1608.4	1609.9	1612.9	1615.1	1618.1	1621.2	1622.7	1619.6	1618.1	1612.1	1618.9
5°	1609.9	1611.4	1613.6	1613.6	1614.4	1616.6	1616.6	1612.9	1609.1	1602.3	1609.9
7.5°	1607.6	1609.1	1609.9	1609.1	1609.9	1610.6	1609.1	1604.6	1600.8	1594.8	1600.8
10°	1603.8	1605.4	1606.9	1605.4	1603.8	1606.1	1606.1	1603.1	1600.8	1594.8	1601.6
12.5°	1612.1	1614.4	1615.1	1611.4	1609.9	1610.6	1610.6	1607.6	1607.6	1602.3	1609.9
15°	1631.7	1633.2	1630.9	1626.4	1627.2	1629.4	1624.2	1616.6	1615.1	1612.9	1618.9
17.5°	1646.7	1648.2	1646.0	1643.0	1648.2	1653.5	1643.7	1629.4	1624.9	1623.4	1630.2
20°	1663.3	1665.5	1662.5	1666.3	1676.8	1682.8	1670.8	1651.2	1642.2	1640.0	1648.2
22.5°	1690.4	1693.4	1693.4	1701.6	1717.4	1727.2	1712.2	1685.8	1672.3	1668.5	1676.8
25°	1733.2	1735.5	1737.8	1754.3	1779.9	1793.4	1769.3	1733.2	1714.4	1708.4	1712.9
27.5°	1792.7	1796.4	1800.2	1824.3	1855.9	1875.4	1840.8	1795.7	1772.4	1760.3	1769.3
30°	1863.4	1868.6	1877.7	1904.8	1949.1	1971.0	1926.6	1871.7	1845.3	1832.5	1844.6
32.5°	1959.7	1960.4	1967.2	1997.3	2056.0	2080.8	2025.1	1964.2	1937.1	1922.1	1928.8
35°	2074.0	2074.8	2064.2	2095.1	2158.3	2186.1	2120.7	2059.0	2036.4	2031.9	2049.2
37.5°	2191.4	2184.6	2174.1	2187.6	2251.6	2269.6	2200.4	2147.7	2138.0	2146.2	2171.8
40°	2274.9	2263.6	2242.5	2252.3	2317.0	2338.1	2264.3	2214.7	2211.7	2232.0	2262.8
42.5°	2329.0	2317.0	2292.2	2292.2	2336.6	2345.6	2288.4	2262.1	2268.9	2292.2	2321.5
45°	2355.4	2348.6	2334.3	2326.8	2351.6	2355.4	2311.7	2301.2	2314.0	2325.3	2347.8
47.5°	2375.7	2375.7	2371.2	2363.6	2374.9	2377.2	2344.8	2341.8	2358.4	2358.4	2373.4
50°	2411.8	2415.6	2421.6	2420.1	2432.1	2439.6	2415.6	2411.0	2417.8	2396.0	2403.5
52.5°	2506.6	2516.4	2533.7	2547.2	2578.0	2601.4	2558.5	2522.4	2487.0	2438.9	2440.4
55°	2676.6	2681.1	2715.0	2754.8	2806.7	2854.1	2766.1	2654.0	2577.3	2520.9	2521.6
57.5°	2820.3	2827.0	2876.7	2960.2	3076.8	3150.5	2955.7	2768.4	2660.0	2590.8	2593.1
60°	2696.1	2687.1	2781.2	2924.1	3135.5	3229.5	2942.1	2686.4	2530.6	2444.9	2450.9
62.5°	2086.1	2068.8	2173.3	2323.0	2576.5	2670.6	2405.8	2160.5	2013.1	1946.1	1936.4
65°	1269.8	1254.0	1329.3	1421.0	1592.6	1652.0	1530.9	1400.7	1272.1	1231.5	1220.2
67.5°	691.3	689.1	709.4	754.5	829.8	857.6	834.3	772.6	739.5	710.9	710.9
70°	548.4	543.9	540.1	540.9	547.7	551.4	552.2	549.2	552.9	553.7	550.7
72.5°	454.4	452.9	445.3	446.1	443.1	441.6	446.9	449.9	455.9	456.6	456.6
75°	329.5	325.7	329.5	330.2	327.2	327.2	331.0	330.2	333.3	334.8	326.5
77.5°	187.3	187.3	192.6	198.6	203.1	203.1	206.9	206.9	210.6	209.9	208.4
80°	103.1	103.1	106.1	109.8	114.3	118.9	122.6	123.4	125.6	124.9	122.6
82.5°	58.7	59.4	60.9	63.2	67.7	71.5	75.2	76.0	78.2	78.2	76.0
85°	27.8	27.1	27.8	29.3	31.6	34.6	38.4	40.6	42.1	42.1	40.6
87.5°	5.3	6.0	5.3	6.0	6.8	9.0	10.5	12.0	14.3	15.0	13.5
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)