

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: P634555

Luminaire Tested: GWS-SA3C-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634555
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-SA3C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8677.8 lumens
Efficiency: N/A
Efficacy: 93.3 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

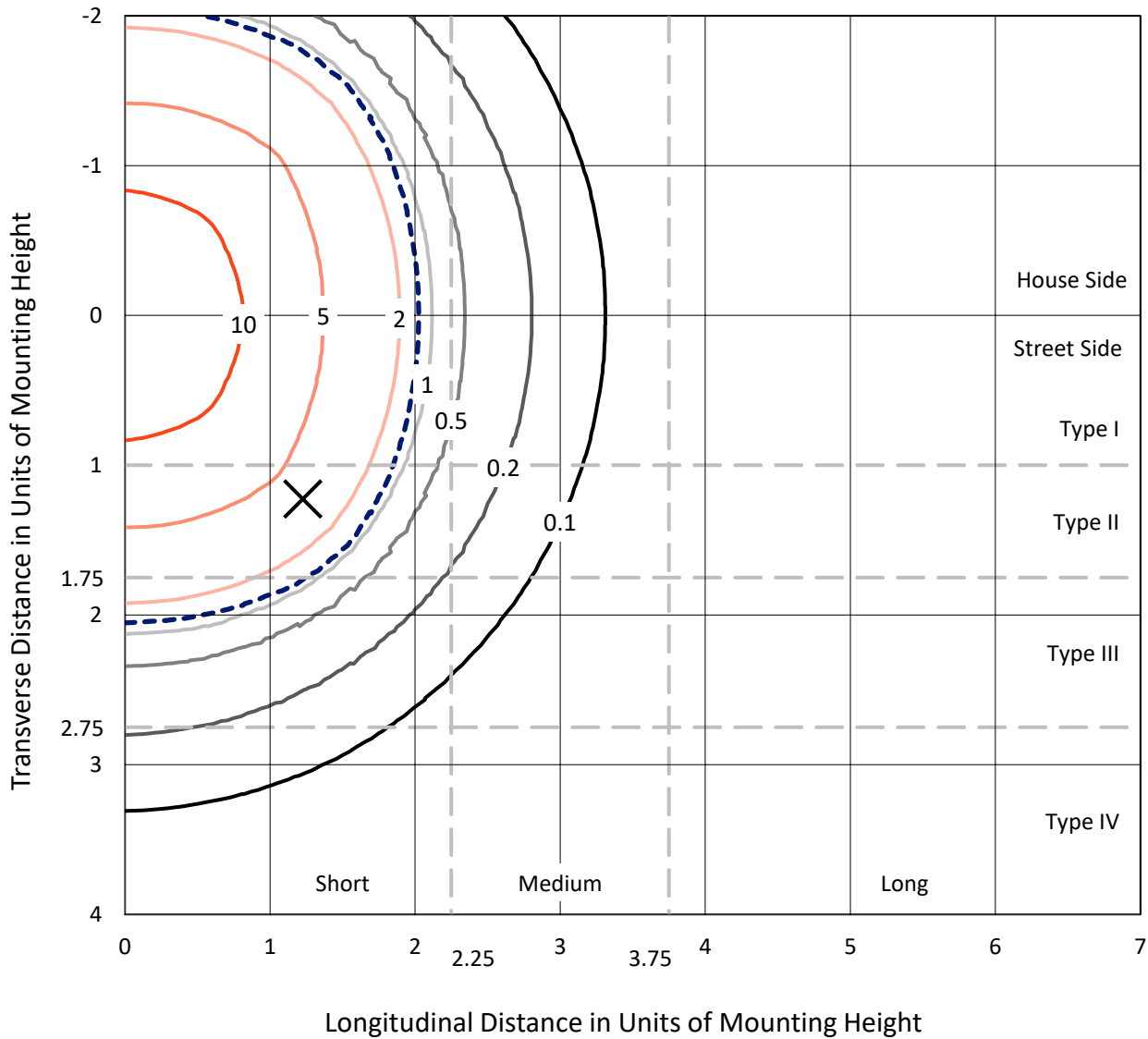
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

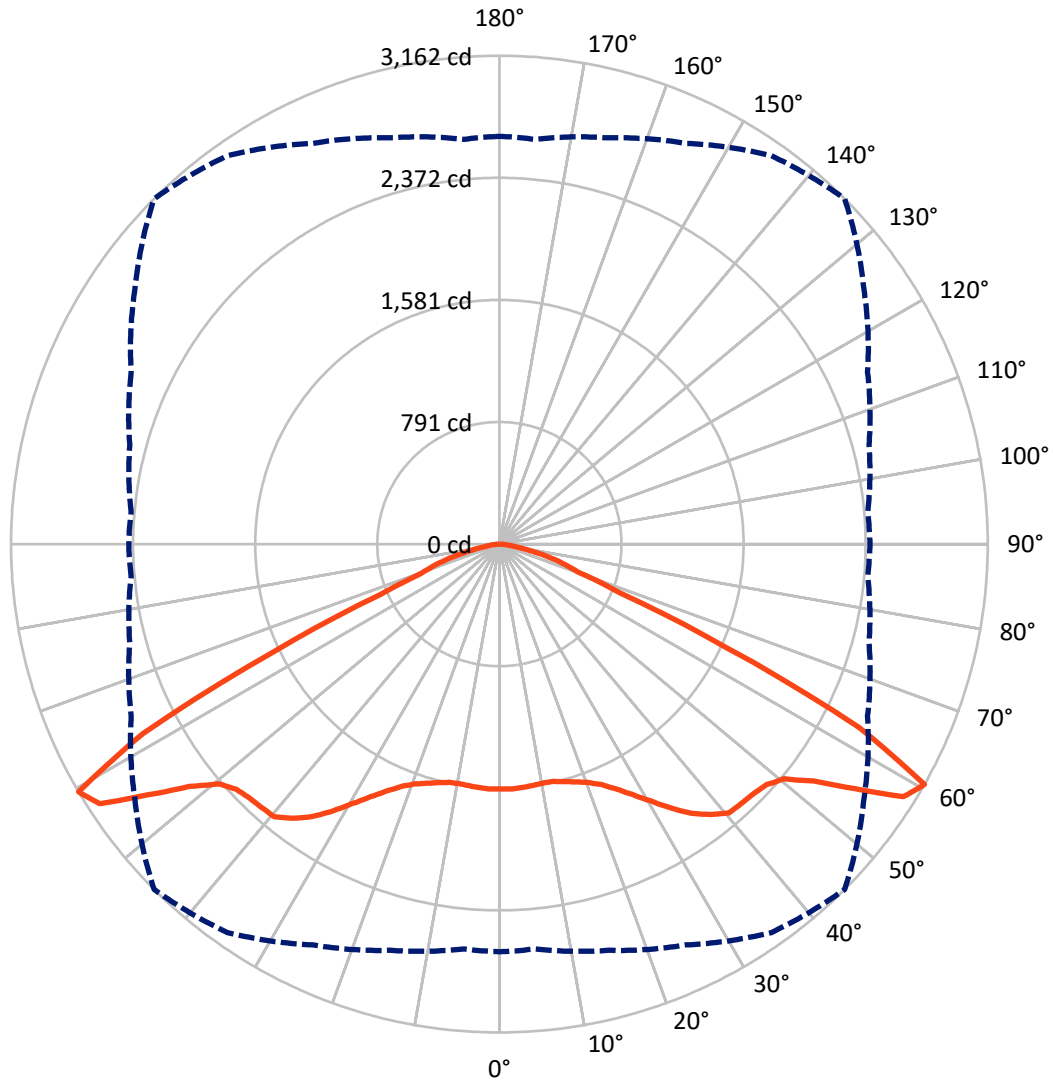
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.9 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	4338.9	0.0	4338.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4338.9	0.0	4338.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8677.8	0.0	8677.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	1.7
10°-20°	452.4	5.2
20°-30°	800.3	9.2
30°-40°	1288.5	14.8
40°-50°	1771.0	20.4
50°-60°	2360.1	27.2
60°-70°	1470.9	17.0
70°-80°	338.3	3.9
80°-90°	45.9	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°	8677.8	100.0
0°-180°	8677.8	100.0

Coefficient of Utilization



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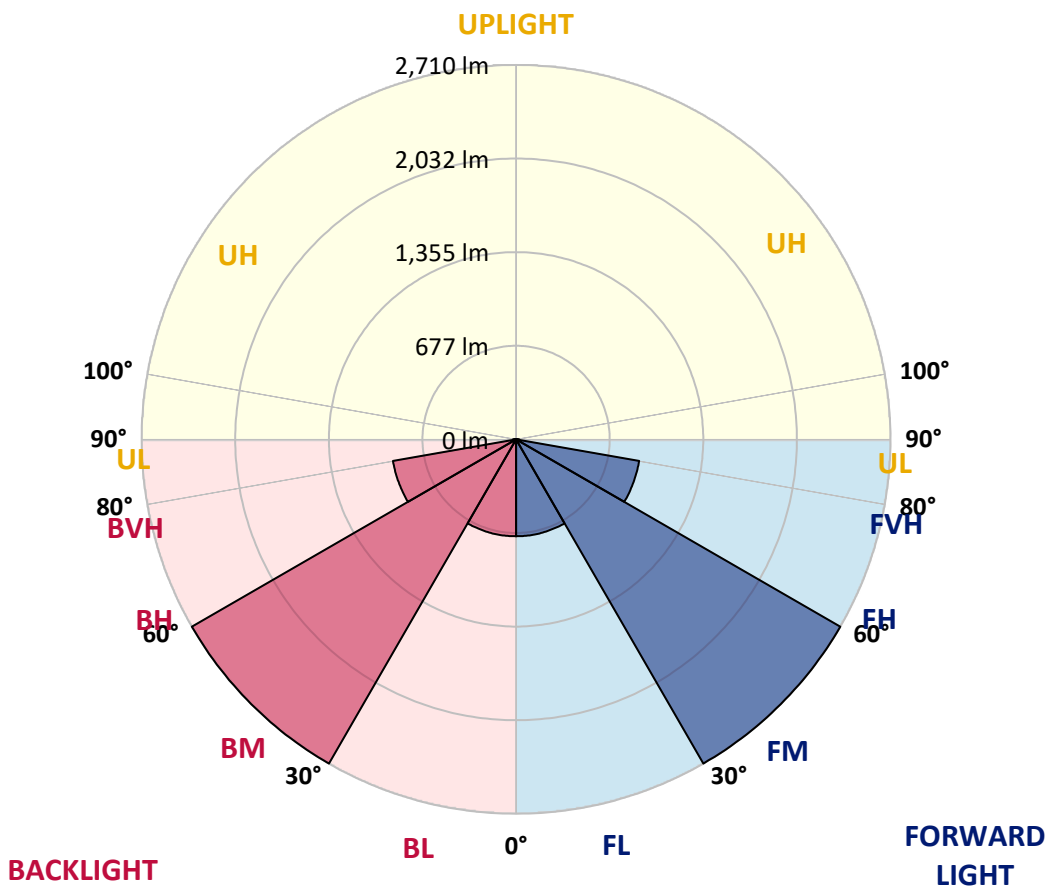
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	701.5	8.1			
FM (30°-60°)	2709.8	31.2			
FH (60°-80°)	904.6	10.4			G1/1800
FVH (80°-90°)	22.9	0.3			G1/100
BL (0°-30°)	701.5	8.1	B2/1000		
BM (30°-60°)	2709.8	31.2	B3/5000		
BH (60°-80°)	904.6	10.4	B2/1000		G1/1800
BVH (80°-90°)	22.9	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°	1585.9	1585.9	1585.9	1585.9	1585.9	1585.9	1585.9	1585.9	1585.9	1585.9	1585.9
2.5°	1574.8	1576.3	1579.2	1581.4	1584.4	1587.3	1588.8	1585.9	1584.4	1578.5	1585.1
5°	1576.3	1577.8	1580.0	1580.0	1580.7	1582.9	1582.9	1579.2	1575.5	1568.9	1576.3
7.5°	1574.1	1575.5	1576.3	1575.5	1576.3	1577.0	1575.5	1571.1	1567.4	1561.5	1567.4
10°	1570.4	1571.9	1573.3	1571.9	1570.4	1572.6	1572.6	1569.7	1567.4	1561.5	1568.2
12.5°	1578.5	1580.7	1581.4	1577.8	1576.3	1577.0	1577.0	1574.1	1574.1	1568.9	1576.3
15°	1597.6	1599.1	1596.9	1592.5	1593.2	1595.4	1590.3	1582.9	1581.4	1579.2	1585.1
17.5°	1612.4	1613.8	1611.6	1608.7	1613.8	1619.0	1609.4	1595.4	1591.0	1589.5	1596.2
20°	1628.6	1630.8	1627.8	1631.5	1641.8	1647.7	1635.9	1616.8	1608.0	1605.7	1613.8
22.5°	1655.1	1658.0	1658.0	1666.1	1681.6	1691.2	1676.5	1650.7	1637.4	1633.7	1641.8
25°	1697.1	1699.3	1701.5	1717.7	1742.7	1756.0	1732.4	1697.1	1678.7	1672.8	1677.2
27.5°	1755.3	1759.0	1762.6	1786.2	1817.1	1836.3	1802.4	1758.2	1735.4	1723.6	1732.4
30°	1824.5	1829.7	1838.5	1865.0	1908.5	1929.8	1886.4	1832.6	1806.8	1794.3	1806.1
32.5°	1918.8	1919.5	1926.2	1955.6	2013.1	2037.4	1982.9	1923.2	1896.7	1882.0	1888.6
35°	2030.7	2031.5	2021.2	2051.4	2113.2	2140.5	2076.4	2016.0	1993.9	1989.5	2006.4
37.5°	2145.7	2139.0	2128.7	2142.0	2204.6	2222.3	2154.5	2102.9	2093.4	2101.5	2126.5
40°	2227.4	2216.4	2195.7	2205.3	2268.7	2289.3	2217.1	2168.5	2165.5	2185.4	2215.6
42.5°	2280.4	2268.7	2244.4	2244.4	2287.8	2296.7	2240.7	2214.9	2221.5	2244.4	2273.1
45°	2306.2	2299.6	2285.6	2278.2	2302.5	2306.2	2263.5	2253.2	2265.7	2276.8	2298.9
47.5°	2326.1	2326.1	2321.7	2314.3	2325.4	2327.6	2295.9	2293.0	2309.2	2309.2	2323.9
50°	2361.5	2365.2	2371.0	2369.6	2381.4	2388.7	2365.2	2360.7	2367.4	2346.0	2353.4
52.5°	2454.3	2463.9	2480.8	2494.1	2524.3	2547.1	2505.1	2469.8	2435.1	2388.0	2389.5
55°	2620.7	2625.2	2658.3	2697.4	2748.2	2794.6	2708.4	2598.7	2523.5	2468.3	2469.0
57.5°	2761.4	2768.1	2816.7	2898.4	3012.6	3084.8	2894.0	2710.6	2604.5	2536.8	2539.0
60°	2639.9	2631.1	2723.1	2863.1	3070.1	3162.1	2880.8	2630.3	2477.9	2393.9	2399.8
62.5°	2042.5	2025.6	2128.0	2274.6	2522.8	2614.9	2355.6	2115.5	1971.1	1905.5	1896.0
65°	1243.3	1227.9	1301.5	1391.4	1559.3	1617.5	1498.9	1371.5	1245.6	1205.8	1194.7
67.5°	676.9	674.7	694.6	738.8	812.4	839.7	816.9	756.5	724.1	696.1	696.1
70°	537.0	532.5	528.9	529.6	536.2	539.9	540.6	537.7	541.4	542.1	539.2
72.5°	444.9	443.4	436.1	436.8	433.8	432.4	437.5	440.5	446.4	447.1	447.1
75°	322.6	318.9	322.6	323.4	320.4	320.4	324.1	323.4	326.3	327.8	319.7
77.5°	183.4	183.4	188.6	194.5	198.9	198.9	202.6	202.6	206.2	205.5	204.0
80°	100.9	100.9	103.9	107.5	112.0	116.4	120.1	120.8	123.0	122.3	120.1
82.5°	57.5	58.2	59.7	61.9	66.3	70.0	73.7	74.4	76.6	76.6	74.4
85°	27.3	26.5	27.3	28.7	30.9	33.9	37.6	39.8	41.2	41.2	39.8
87.5°	5.2	5.9	5.2	5.9	6.6	8.8	10.3	11.8	14.0	14.7	13.3
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)