

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: P632239

Luminaire Tested: GWS-SA2C-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632239
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-SA2C-735-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7992.7 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

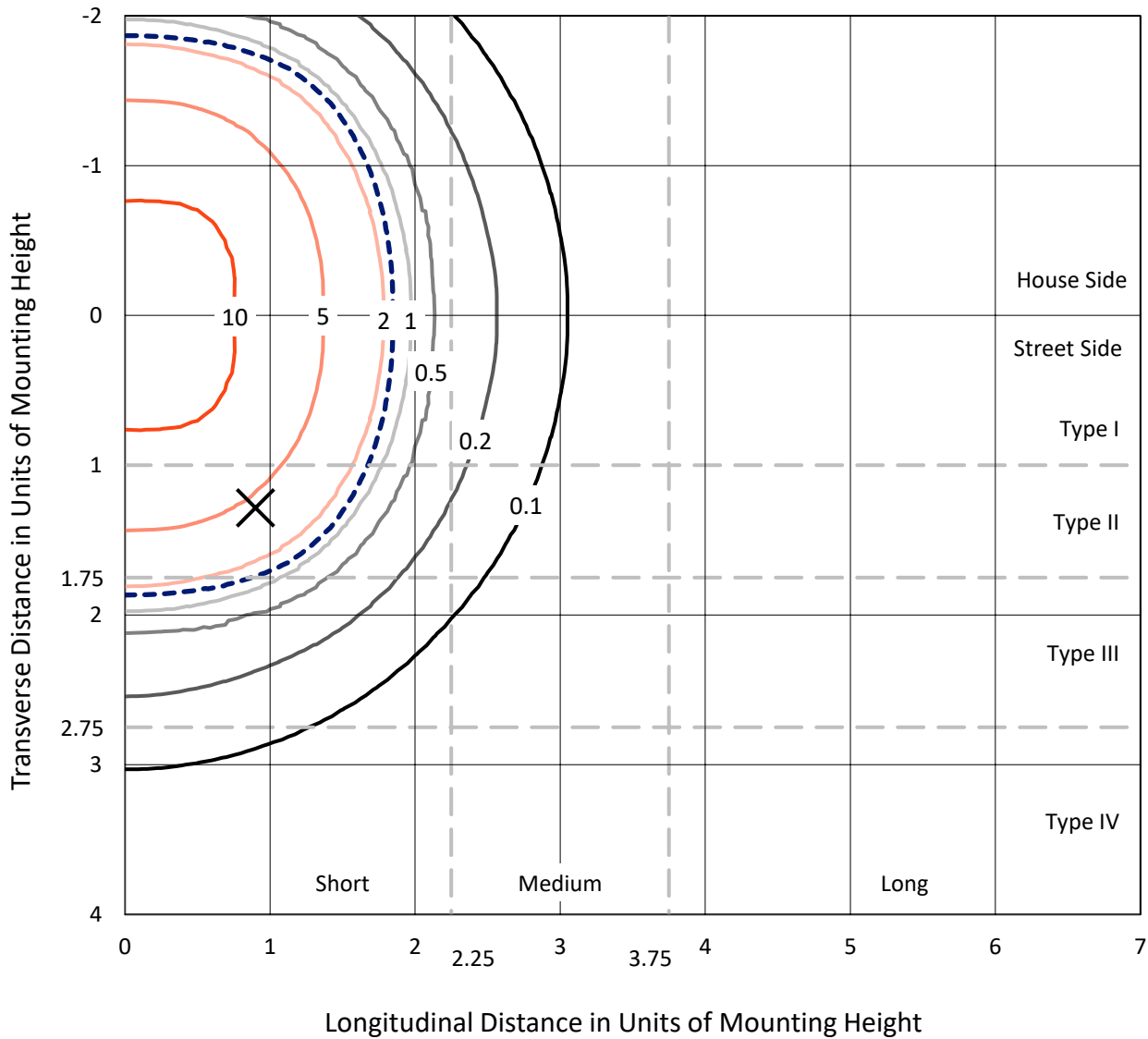
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

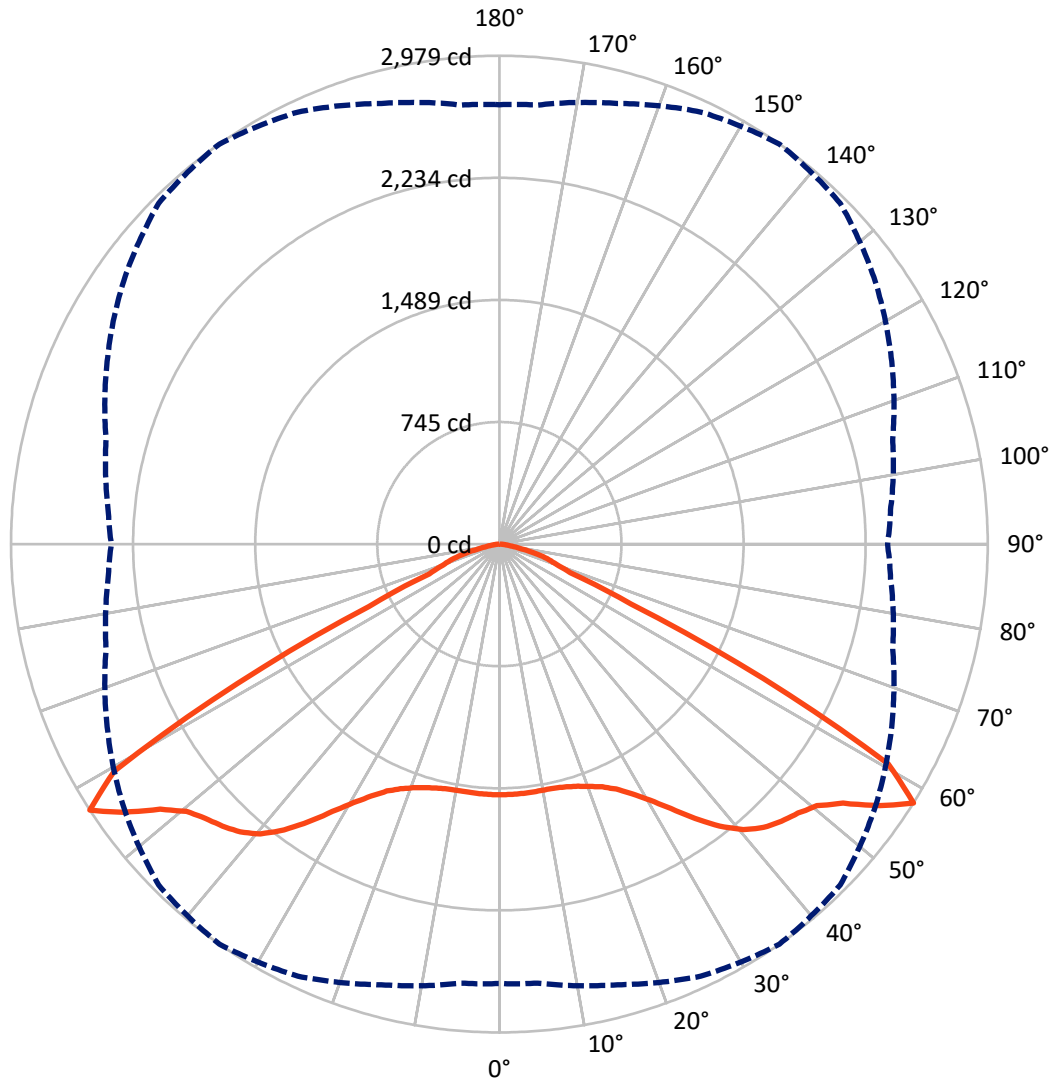
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 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	3996.3	0.0	3996.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3996.3	0.0	3996.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7992.7	0.0	7992.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	1.8
10°-20°	434.1	5.4
20°-30°	757.4	9.5
30°-40°	1241.9	15.5
40°-50°	1829.0	22.9
50°-60°	2334.2	29.2
60°-70°	983.7	12.3
70°-80°	235.0	2.9
80°-90°	32.0	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°	7992.7	100.0
0°-180°	7992.7	100.0

Coefficient of Utilization



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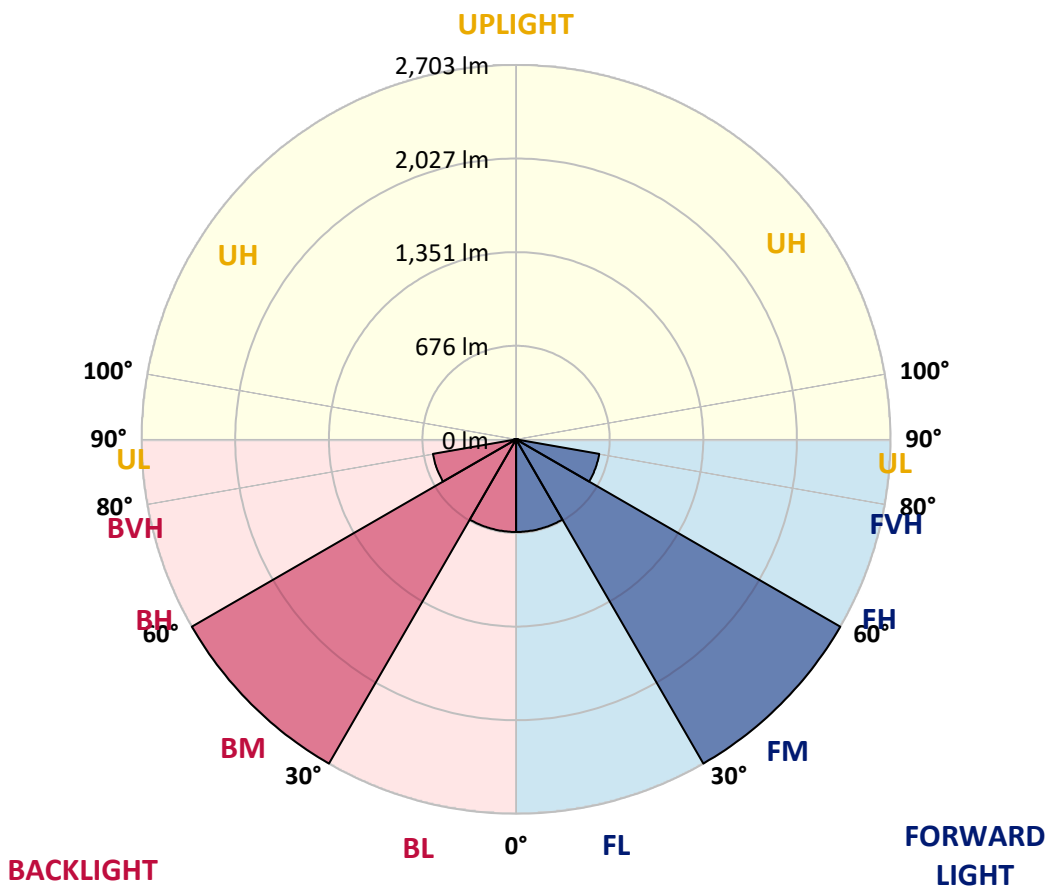
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	668.5	8.4			
FM (30°-60°)	2702.5	33.8			
FH (60°-80°)	609.4	7.6			G0/660
FVH (80°-90°)	16.0	0.2			G1/100
BL (0°-30°)	668.5	8.4	B2/1000		
BM (30°-60°)	2702.5	33.8	B3/5000		
BH (60°-80°)	609.4	7.6	B2/1000		G0/660
BVH (80°-90°)	16.0	0.2			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°	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3
2.5°	1520.2	1520.2	1523.4	1526.7	1528.0	1533.9	1533.2	1531.3	1530.0	1526.0	1531.3
5°	1523.4	1523.4	1526.0	1528.0	1527.3	1531.9	1530.0	1526.7	1524.7	1520.8	1526.7
7.5°	1522.8	1522.8	1524.7	1526.7	1525.4	1529.3	1526.0	1521.5	1518.2	1514.3	1519.5
10°	1514.3	1515.6	1517.5	1522.1	1524.1	1530.0	1525.4	1518.2	1513.0	1508.4	1513.6
12.5°	1513.0	1514.3	1516.9	1522.8	1526.0	1534.5	1528.7	1516.9	1509.0	1503.1	1508.4
15°	1518.8	1520.2	1524.1	1531.3	1536.5	1545.7	1537.2	1520.8	1509.7	1501.8	1506.4
17.5°	1526.0	1528.0	1533.9	1544.4	1552.9	1562.7	1552.2	1532.6	1516.9	1506.4	1510.3
20°	1533.9	1536.5	1545.7	1561.4	1577.1	1589.5	1576.4	1550.3	1531.3	1517.5	1521.5
22.5°	1547.6	1550.9	1562.7	1584.9	1608.5	1626.8	1610.5	1575.1	1550.3	1532.6	1535.9
25°	1575.8	1579.7	1594.8	1621.6	1655.0	1677.2	1654.3	1614.4	1579.7	1558.1	1561.4
27.5°	1625.5	1627.5	1647.1	1682.4	1723.7	1749.2	1721.7	1674.6	1636.0	1611.1	1613.7
30°	1690.9	1696.8	1716.5	1762.9	1812.0	1846.0	1810.0	1754.4	1709.9	1679.8	1682.4
32.5°	1770.8	1774.7	1804.2	1852.6	1923.3	1962.5	1913.4	1847.3	1793.7	1757.0	1759.7
35°	1875.5	1878.8	1906.9	1968.4	2054.1	2090.8	2034.5	1958.6	1896.4	1861.7	1871.6
37.5°	2000.5	2006.4	2026.6	2087.5	2183.0	2219.0	2154.3	2083.6	2018.8	1986.7	1993.9
40°	2134.6	2134.0	2150.3	2204.0	2291.0	2313.3	2255.0	2198.8	2143.1	2122.2	2134.0
42.5°	2249.8	2246.5	2258.3	2302.8	2363.0	2365.0	2326.4	2294.9	2255.7	2241.3	2252.4
45°	2330.3	2331.6	2349.3	2380.0	2410.8	2394.4	2382.6	2377.4	2346.6	2327.0	2329.0
47.5°	2393.8	2399.0	2427.1	2448.1	2452.0	2424.5	2440.9	2448.7	2423.2	2393.1	2384.6
50°	2450.0	2458.5	2495.2	2517.4	2508.9	2474.3	2506.3	2518.1	2461.8	2404.2	2387.2
52.5°	2552.1	2561.9	2606.4	2635.2	2625.4	2590.7	2620.8	2579.0	2484.1	2413.4	2391.8
55°	2715.1	2719.6	2774.0	2821.1	2816.5	2774.0	2749.8	2656.8	2541.7	2468.4	2448.1
57.5°	2680.4	2688.2	2782.5	2908.1	2978.8	2940.2	2798.2	2639.8	2483.4	2395.1	2367.6
60°	2109.1	2128.1	2245.2	2466.4	2725.5	2724.9	2461.2	2215.1	2026.6	1909.5	1897.7
62.5°	1231.6	1244.7	1351.3	1575.1	1807.4	1821.8	1636.6	1467.8	1302.9	1223.7	1185.8
65°	583.1	582.4	624.9	725.7	882.8	895.2	839.6	747.3	649.8	623.0	615.8
67.5°	430.6	430.6	427.3	434.5	464.6	471.2	464.6	449.6	440.4	446.3	442.4
70°	373.7	374.3	370.4	368.4	368.4	366.5	369.1	375.0	378.9	386.7	382.8
72.5°	303.0	303.6	303.6	304.3	304.9	302.3	306.3	309.5	310.2	312.8	310.2
75°	215.3	216.6	220.5	223.8	226.4	226.4	227.7	228.4	225.8	229.0	223.8
77.5°	118.4	119.8	127.0	132.8	138.7	139.4	141.3	142.7	141.3	144.0	140.0
80°	65.4	66.7	70.0	72.6	77.2	81.1	83.8	85.1	85.1	87.0	85.1
82.5°	37.3	38.6	40.6	41.9	45.8	49.1	51.7	53.7	53.7	54.3	53.0
85°	17.7	17.7	19.0	20.3	22.2	23.6	26.8	28.8	28.8	30.1	28.8
87.5°	2.6	3.3	3.9	3.9	5.2	6.5	7.9	8.5	9.8	10.5	10.5
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)