

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: P633009

Luminaire Tested: GWS-SA2D-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633009
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-SA2D-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8121.4 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

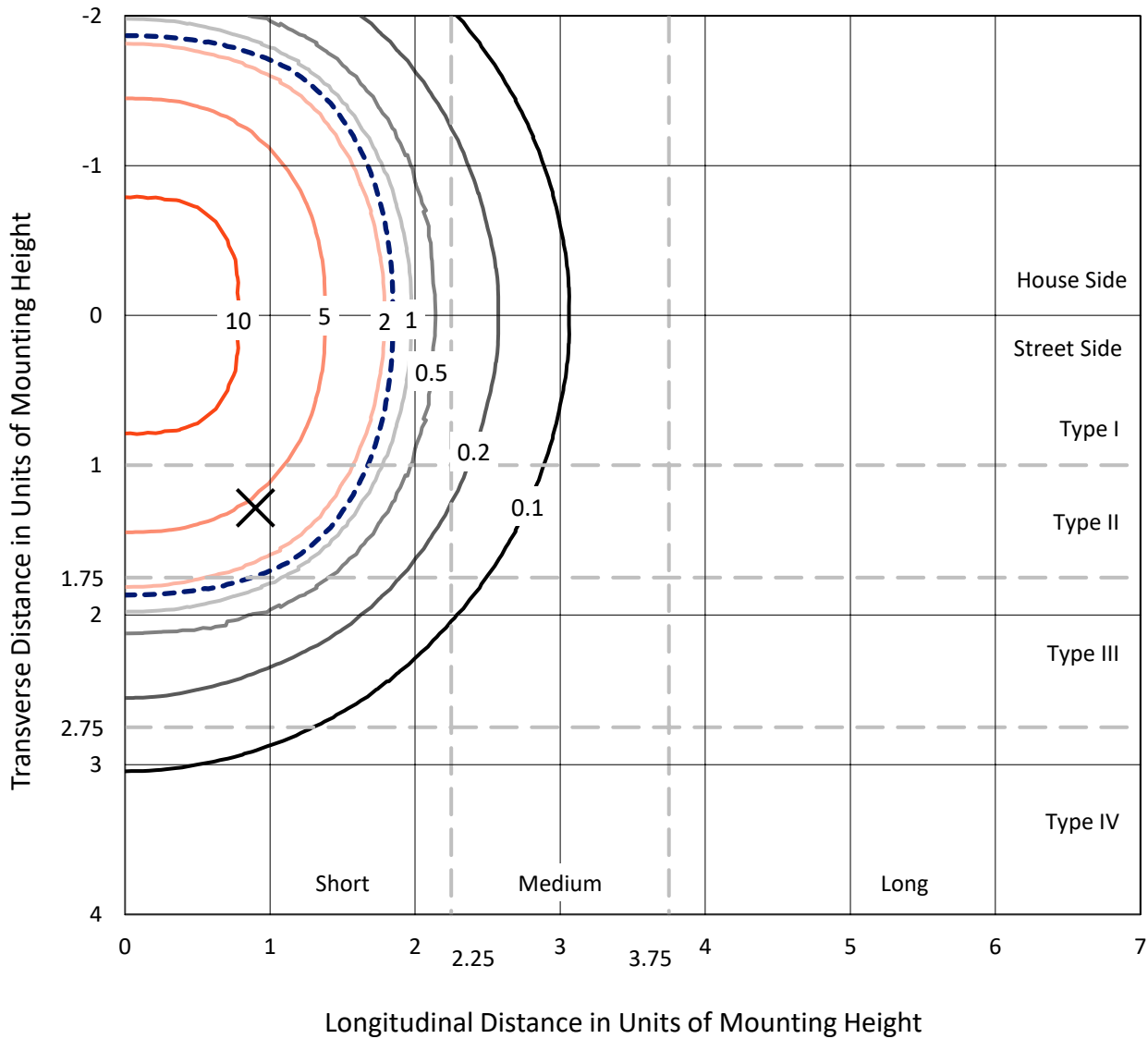
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

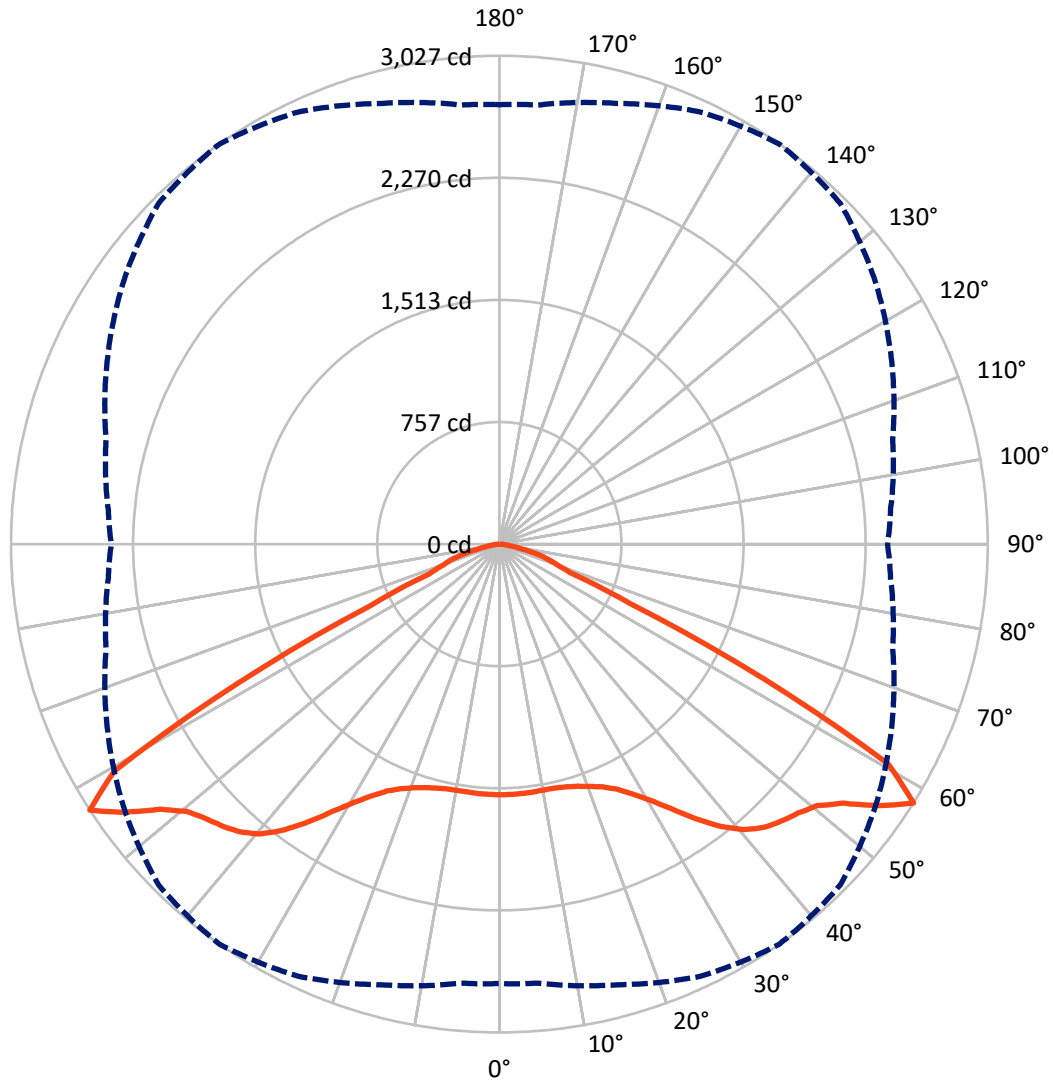
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 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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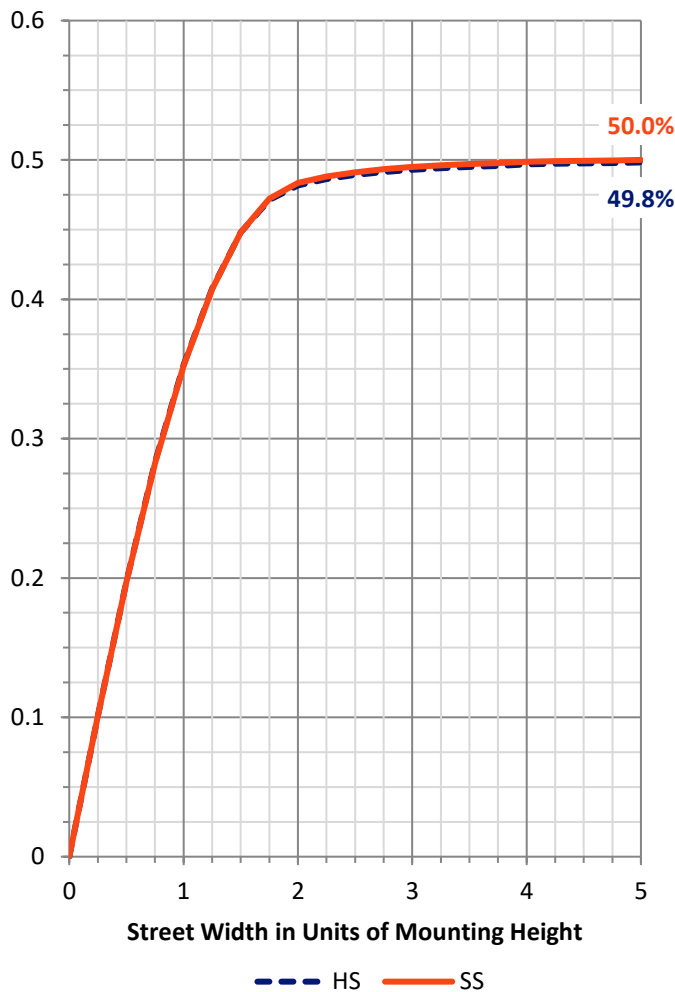
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4060.7	0.0	4060.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4060.7	0.0	4060.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	8121.4	0.0	8121.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	1.8
10°-20°	441.1	5.4
20°-30°	769.6	9.5
30°-40°	1261.9	15.5
40°-50°	1858.5	22.9
50°-60°	2371.7	29.2
60°-70°	999.6	12.3
70°-80°	238.8	2.9
80°-90°	32.5	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°	8121.4	100.0
0°-180°	8121.4	100.0

Coefficient of Utilization



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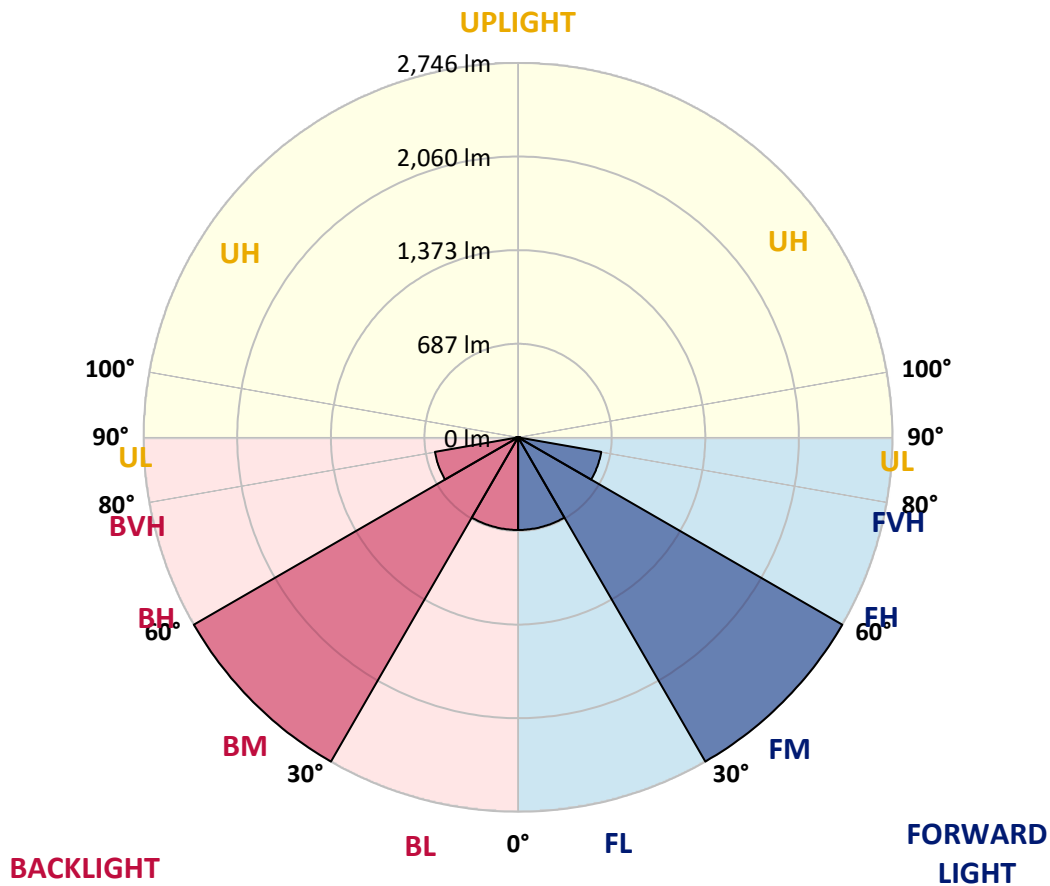
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	679.2	8.4			
FM (30°-60°)	2746.1	33.8			
FH (60°-80°)	619.2	7.6			G0/660
FVH (80°-90°)	16.2	0.2			G1/100
BL (0°-30°)	679.2	8.4	B2/1000		
BM (30°-60°)	2746.1	33.8	B3/5000		
BH (60°-80°)	619.2	7.6	B2/1000		G0/660
BVH (80°-90°)	16.2	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°	1553.9	1553.9	1553.9	1553.9	1553.9	1553.9	1553.9	1553.9	1553.9	1553.9	1553.9
2.5°	1544.6	1544.6	1548.0	1551.3	1552.6	1558.6	1557.9	1555.9	1554.6	1550.6	1555.9
5°	1548.0	1548.0	1550.6	1552.6	1551.9	1556.6	1554.6	1551.3	1549.3	1545.3	1551.3
7.5°	1547.3	1547.3	1549.3	1551.3	1549.9	1553.9	1550.6	1546.0	1542.6	1538.6	1544.0
10°	1538.6	1540.0	1542.0	1546.6	1548.6	1554.6	1549.9	1542.6	1537.3	1532.7	1538.0
12.5°	1537.3	1538.6	1541.3	1547.3	1550.6	1559.3	1553.3	1541.3	1533.3	1527.3	1532.7
15°	1543.3	1544.6	1548.6	1555.9	1561.3	1570.6	1561.9	1545.3	1534.0	1526.0	1530.7
17.5°	1550.6	1552.6	1558.6	1569.2	1577.9	1587.8	1577.2	1557.3	1541.3	1530.7	1534.7
20°	1558.6	1561.3	1570.6	1586.5	1602.5	1615.1	1601.8	1575.2	1555.9	1542.0	1546.0
22.5°	1572.6	1575.9	1587.8	1610.5	1634.4	1653.0	1636.4	1600.5	1575.2	1557.3	1560.6
25°	1601.1	1605.1	1620.4	1647.7	1681.6	1704.2	1680.9	1640.4	1605.1	1583.2	1586.5
27.5°	1651.7	1653.7	1673.6	1709.5	1751.4	1777.4	1749.4	1701.6	1662.3	1637.1	1639.7
30°	1718.2	1724.2	1744.1	1791.3	1841.2	1875.8	1839.2	1782.7	1737.5	1706.9	1709.5
32.5°	1799.3	1803.3	1833.2	1882.4	1954.2	1994.1	1944.2	1877.1	1822.6	1785.3	1788.0
35°	1905.7	1909.0	1937.6	2000.1	2087.2	2124.4	2067.3	1990.1	1927.0	1891.7	1901.7
37.5°	2032.7	2038.7	2059.3	2121.1	2218.2	2254.8	2188.9	2117.1	2051.3	2018.7	2026.0
40°	2169.0	2168.3	2185.0	2239.5	2327.9	2350.5	2291.3	2234.2	2177.6	2156.4	2168.3
42.5°	2286.0	2282.7	2294.7	2339.9	2401.1	2403.1	2363.8	2331.9	2292.0	2277.4	2288.7
45°	2367.8	2369.1	2387.1	2418.3	2449.6	2433.0	2421.0	2415.7	2384.4	2364.5	2366.5
47.5°	2432.3	2437.6	2466.2	2487.5	2491.5	2463.6	2480.2	2488.2	2462.2	2431.6	2423.0
50°	2489.5	2498.1	2535.4	2558.0	2549.3	2514.1	2546.7	2558.6	2501.5	2442.9	2425.7
52.5°	2593.2	2603.2	2648.4	2677.7	2667.7	2632.5	2663.0	2620.5	2524.1	2452.3	2430.3
55°	2758.8	2763.4	2818.6	2866.5	2861.9	2818.6	2794.0	2699.6	2582.6	2508.1	2487.5
57.5°	2723.5	2731.5	2827.3	2954.9	3026.8	2987.5	2843.2	2682.3	2523.4	2433.6	2405.7
60°	2143.1	2162.3	2281.4	2506.1	2769.4	2768.8	2500.8	2250.8	2059.3	1940.3	1928.3
62.5°	1251.4	1264.7	1373.1	1600.5	1836.5	1851.2	1663.0	1491.4	1323.9	1243.4	1204.8
65°	592.5	591.8	635.0	737.4	897.0	909.6	853.1	759.3	660.3	633.0	625.7
67.5°	437.5	437.5	434.2	441.5	472.1	478.7	472.1	456.8	447.5	453.5	449.5
70°	379.7	380.3	376.3	374.4	374.4	372.4	375.0	381.0	385.0	393.0	389.0
72.5°	307.9	308.5	308.5	309.2	309.9	307.2	311.2	314.5	315.2	317.8	315.2
75°	218.8	220.1	224.1	227.4	230.1	230.1	231.4	232.1	229.4	232.7	227.4
77.5°	120.4	121.7	129.0	135.0	141.0	141.6	143.6	145.0	143.6	146.3	142.3
80°	66.5	67.8	71.1	73.8	78.5	82.5	85.1	86.4	86.4	88.4	86.4
82.5°	37.9	39.2	41.2	42.6	46.5	49.9	52.5	54.5	54.5	55.2	53.9
85°	18.0	18.0	19.3	20.6	22.6	23.9	27.3	29.3	29.3	30.6	29.3
87.5°	2.7	3.3	4.0	4.0	5.3	6.6	8.0	8.6	10.0	10.6	10.6
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)