

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: P631307

Luminaire Tested: GWS-SA1F-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631307
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-SA1F-740-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7637.6 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 67.2
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

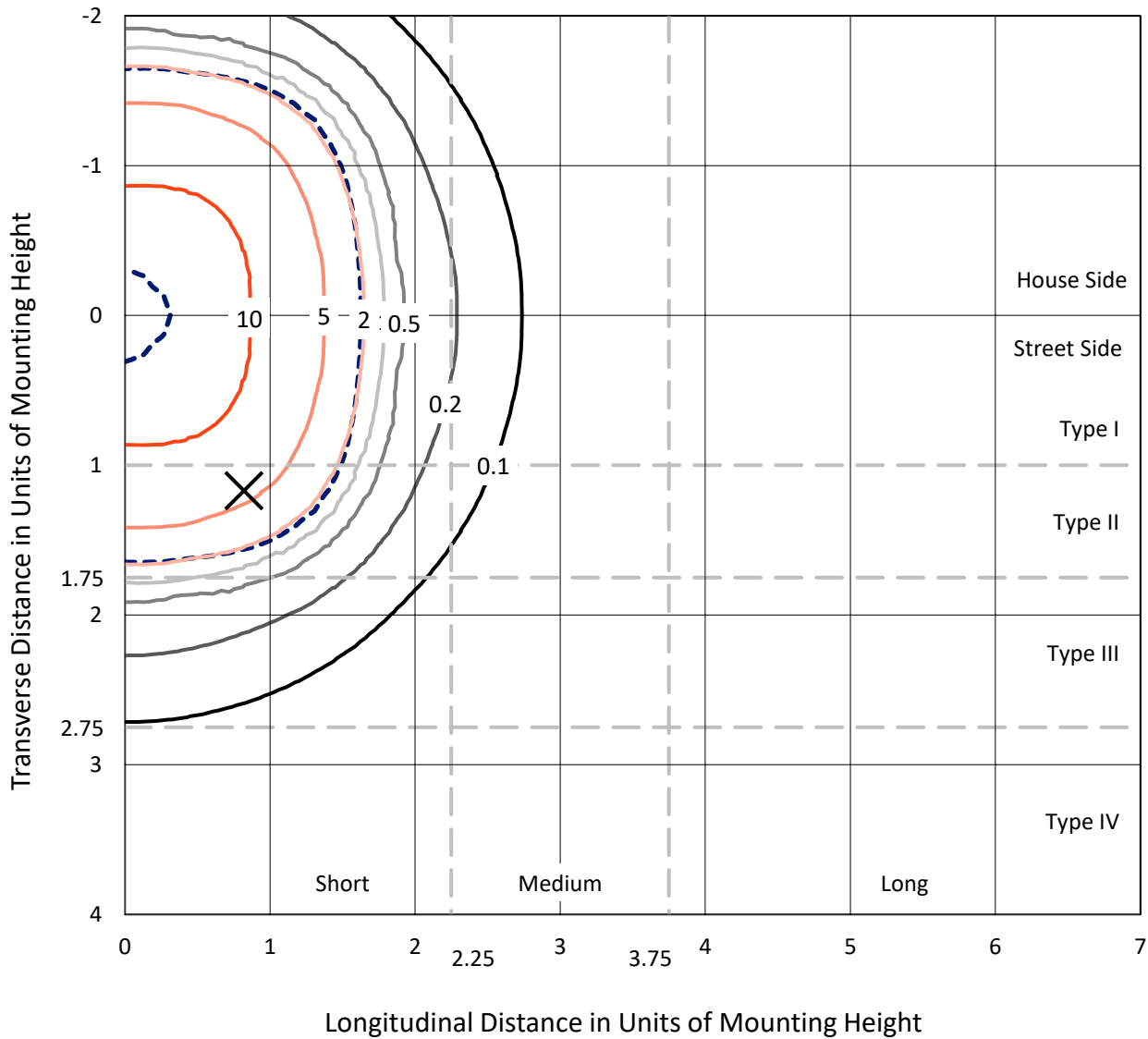


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Iso-Footcandle Lines of Horizontal Illumination

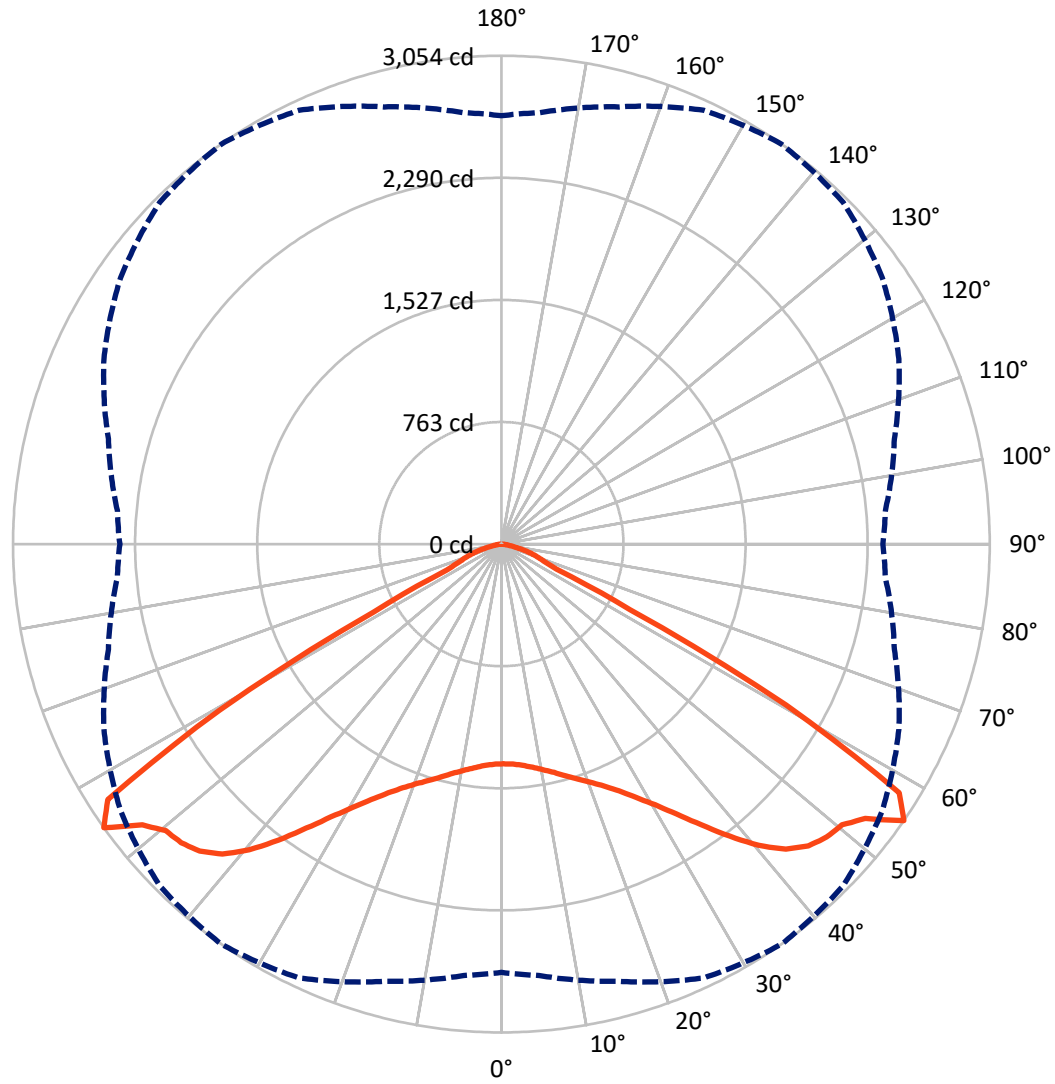
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 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	3818.8	0.0	3818.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3818.8	0.0	3818.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7637.6	0.0	7637.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.0	1.8
10°-20°	426.7	5.6
20°-30°	789.7	10.3
30°-40°	1321.0	17.3
40°-50°	2013.0	26.4
50°-60°	2255.0	29.5
60°-70°	533.6	7.0
70°-80°	143.9	1.9
80°-90°	20.7	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°	7637.6	100.0
0°-180°	7637.6	100.0

Coefficient of Utilization



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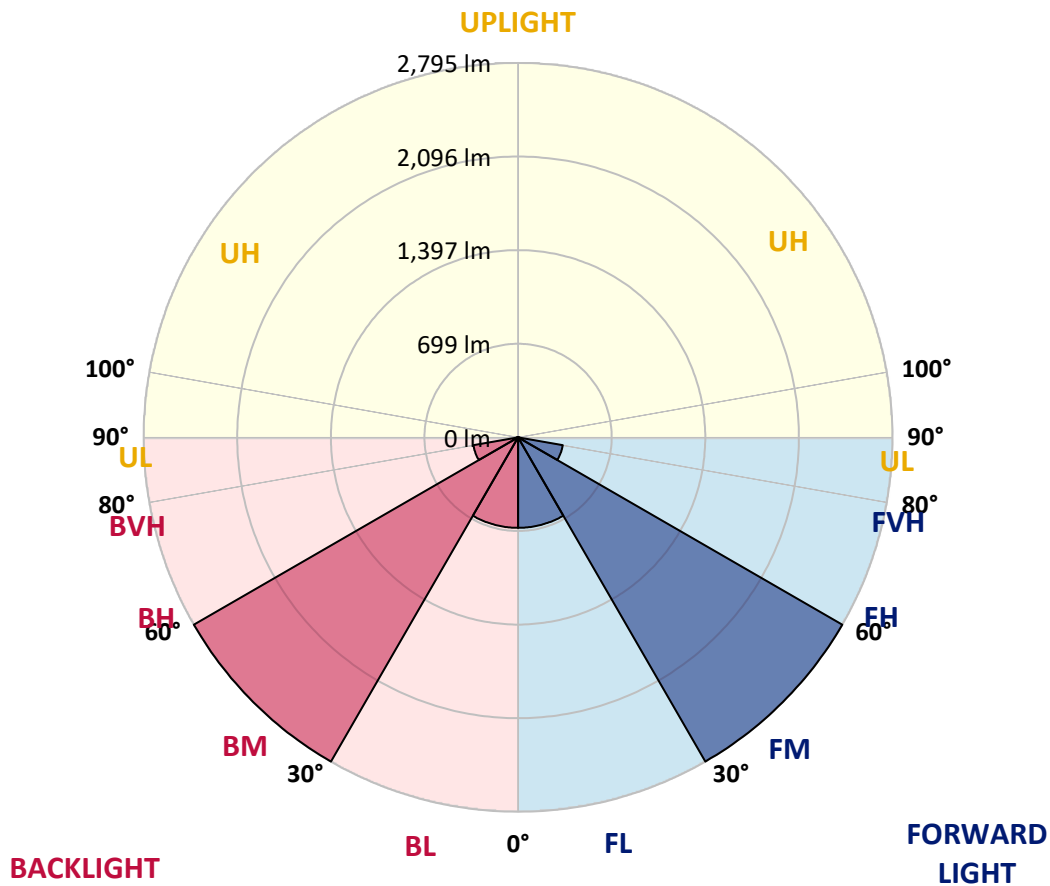
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	675.2	8.8			
FM (30°-60°)	2794.5	36.6			
FH (60°-80°)	338.7	4.4			G0/660
FVH (80°-90°)	10.3	0.1			G1/100
BL (0°-30°)	675.2	8.8	B2/1000		
BM (30°-60°)	2794.5	36.6	B3/5000		
BH (60°-80°)	338.7	4.4	B1/500		G0/660
BVH (80°-90°)	10.3	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°	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0	1374.0
2.5°	1371.0	1371.0	1373.4	1376.4	1377.0	1383.1	1381.9	1379.5	1378.3	1375.8	1381.3
5°	1386.1	1386.7	1388.5	1390.3	1389.1	1394.0	1392.1	1389.1	1387.3	1384.3	1389.7
7.5°	1406.0	1406.0	1407.8	1410.3	1409.1	1416.3	1412.7	1408.5	1405.4	1401.8	1406.6
10°	1424.2	1425.4	1427.2	1432.0	1434.4	1442.3	1439.9	1433.8	1429.0	1424.8	1430.2
12.5°	1451.3	1452.5	1454.4	1461.0	1465.2	1473.1	1469.5	1461.0	1453.7	1447.7	1453.7
15°	1486.4	1485.2	1490.0	1498.4	1503.9	1511.1	1506.9	1492.4	1482.7	1474.9	1480.9
17.5°	1522.0	1521.4	1526.2	1537.1	1544.9	1554.6	1547.4	1530.5	1520.2	1510.5	1516.6
20°	1560.7	1562.5	1567.3	1577.6	1589.0	1601.7	1595.7	1577.6	1566.1	1555.2	1560.0
22.5°	1608.4	1609.0	1614.4	1627.7	1642.8	1654.9	1651.2	1628.9	1614.4	1602.9	1609.0
25°	1665.7	1665.1	1672.4	1688.1	1709.2	1721.3	1713.5	1688.7	1673.0	1659.7	1664.5
27.5°	1731.6	1731.0	1741.8	1762.4	1792.6	1809.5	1793.2	1762.4	1740.6	1721.9	1726.1
30°	1814.3	1812.5	1824.6	1852.4	1891.6	1920.0	1895.9	1853.0	1824.6	1804.7	1808.9
32.5°	1906.1	1908.5	1923.6	1961.1	2010.6	2047.4	2011.2	1963.5	1925.4	1896.5	1901.3
35°	2007.0	2007.0	2037.8	2084.3	2155.0	2203.9	2147.7	2078.9	2028.1	1988.3	1989.5
37.5°	2119.3	2120.5	2161.0	2225.0	2317.4	2374.8	2298.7	2213.5	2151.9	2109.1	2106.6
40°	2256.4	2260.0	2301.7	2373.0	2476.9	2529.4	2447.9	2364.5	2301.7	2251.0	2246.2
42.5°	2411.0	2412.2	2456.3	2520.4	2607.9	2639.3	2575.3	2507.1	2455.7	2409.8	2405.0
45°	2558.4	2555.4	2593.4	2641.1	2691.9	2694.9	2659.3	2631.5	2586.8	2547.5	2540.3
47.5°	2673.2	2670.7	2705.2	2731.1	2737.2	2707.6	2719.1	2723.3	2671.3	2618.2	2604.3
50°	2743.2	2748.0	2780.7	2795.2	2759.5	2711.2	2754.7	2743.8	2669.5	2600.1	2577.7
52.5°	2785.5	2792.7	2849.5	2886.4	2849.5	2803.6	2809.7	2745.6	2638.7	2546.9	2517.9
55°	2678.6	2707.6	2830.2	2993.3	3053.7	3021.6	2906.9	2742.0	2543.9	2410.4	2385.7
57.5°	1985.2	2031.1	2212.9	2566.3	2933.5	3050.0	2714.8	2298.7	1998.5	1827.0	1812.5
60°	1013.5	1064.8	1210.3	1573.3	2045.6	2209.9	1891.0	1471.9	1169.9	1031.0	1015.3
62.5°	413.7	422.2	469.9	610.0	904.1	1043.1	916.2	643.2	483.2	445.1	445.7
65°	325.5	327.4	324.9	333.4	378.7	420.4	388.4	341.2	332.8	337.0	334.0
67.5°	283.9	284.5	282.7	282.7	284.5	282.7	286.3	288.1	289.3	294.1	291.1
70°	237.4	238.0	238.0	239.2	238.6	235.5	241.0	243.4	244.0	247.0	245.2
72.5°	183.6	185.4	186.6	187.2	186.6	184.8	187.8	192.1	191.5	194.5	191.5
75°	124.4	126.8	128.0	130.5	129.9	129.9	133.5	135.3	133.5	135.9	133.5
77.5°	70.7	72.5	76.1	78.5	80.9	82.7	85.2	86.4	85.8	87.0	85.8
80°	41.1	41.7	44.7	45.9	48.9	51.9	54.4	55.6	56.2	56.8	56.2
82.5°	23.6	24.2	25.4	26.6	29.0	31.4	33.8	35.6	35.6	36.2	35.6
85°	11.5	11.5	12.1	12.7	13.9	15.7	17.5	19.3	19.9	19.9	19.9
87.5°	1.8	1.8	2.4	2.4	3.0	3.6	4.8	6.0	6.6	6.6	6.6
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)