

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: P631417

Luminaire Tested: GWS-SA1F-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631417
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7705.6 lumens
Efficiency: N/A
Efficacy: 114.7 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

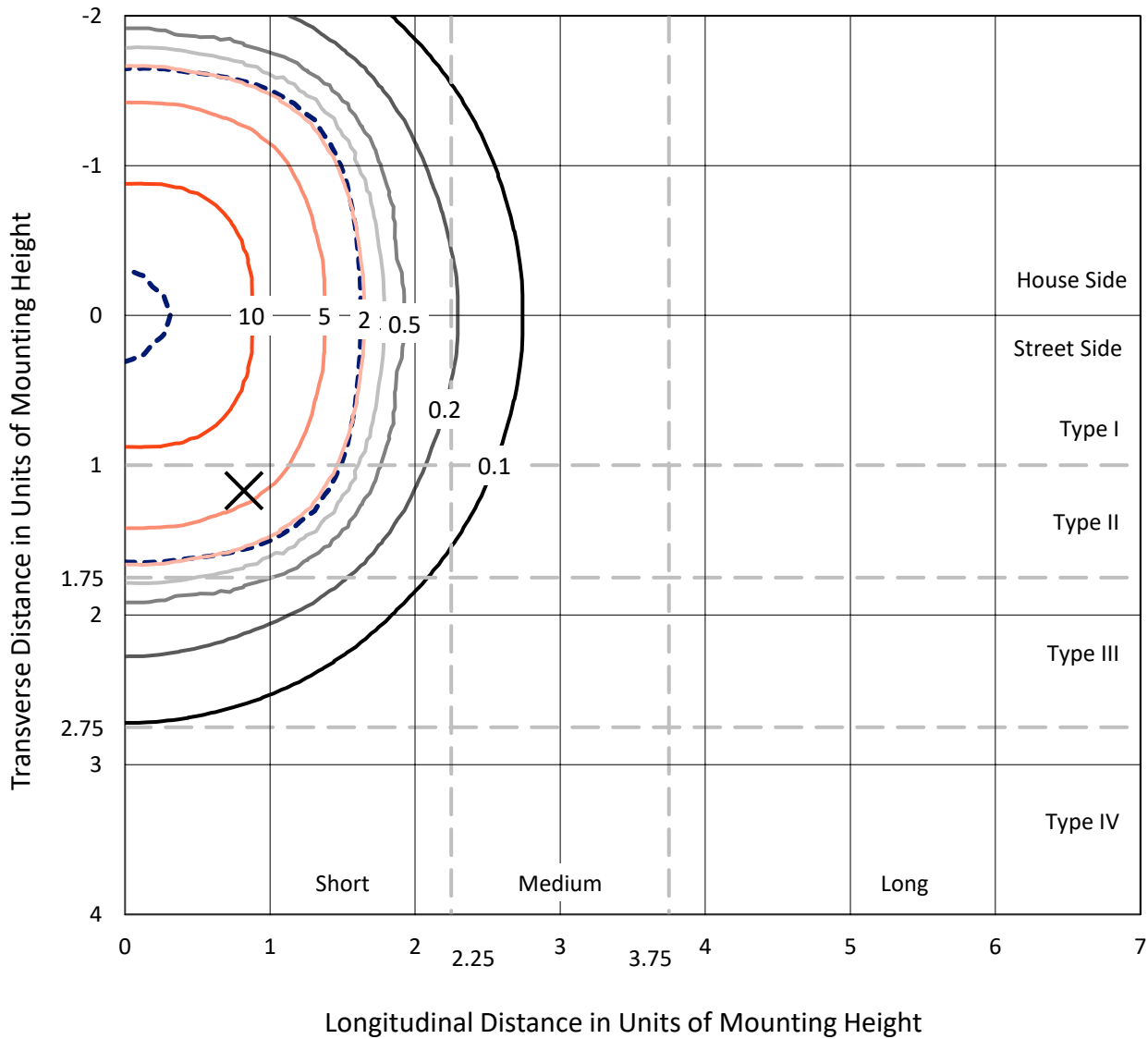
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

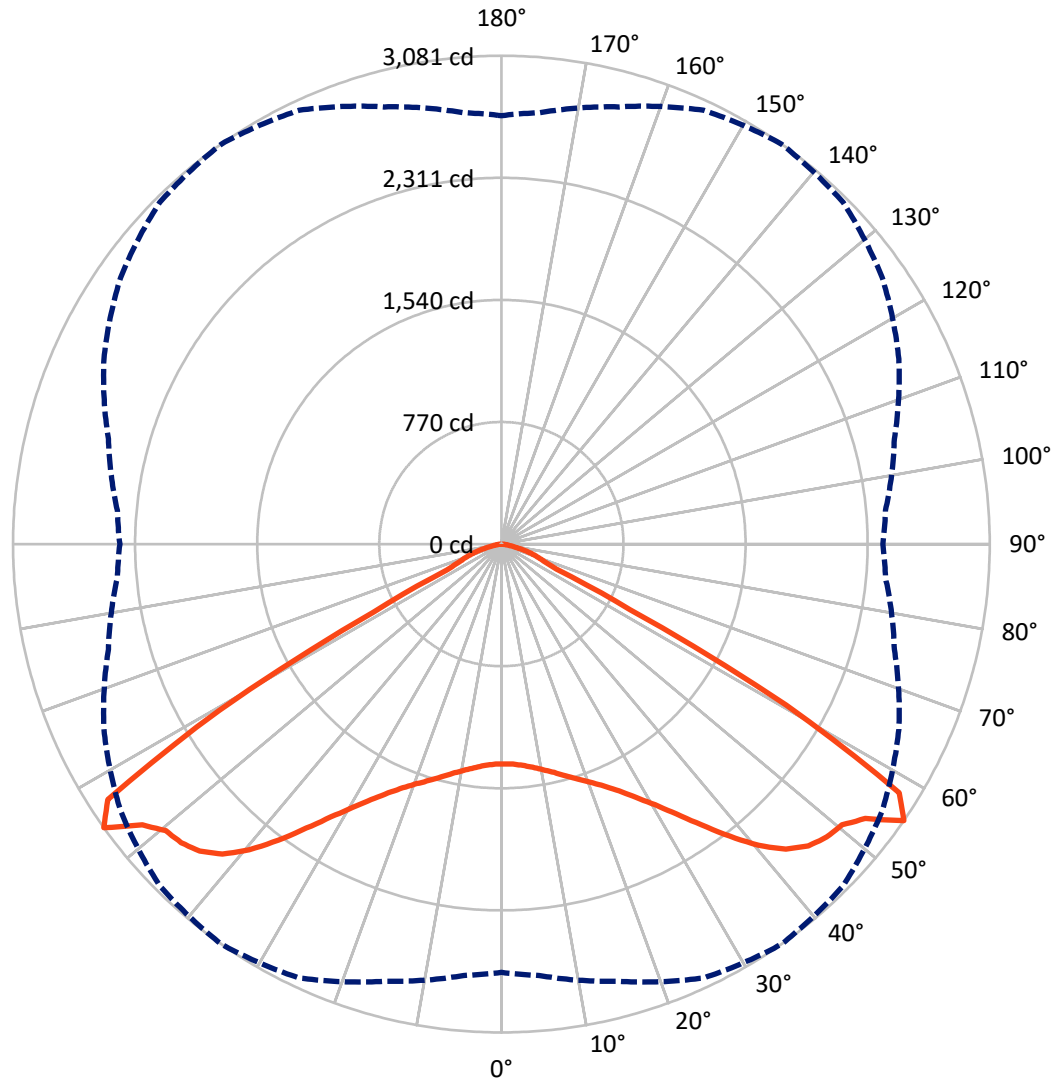
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.9 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	3852.8	0.0	3852.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3852.8	0.0	3852.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7705.6	0.0	7705.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	1.8
10°-20°	430.5	5.6
20°-30°	796.7	10.3
30°-40°	1332.8	17.3
40°-50°	2030.9	26.4
50°-60°	2275.1	29.5
60°-70°	538.3	7.0
70°-80°	145.1	1.9
80°-90°	20.9	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°	7705.6	100.0
0°-180°	7705.6	100.0

Coefficient of Utilization



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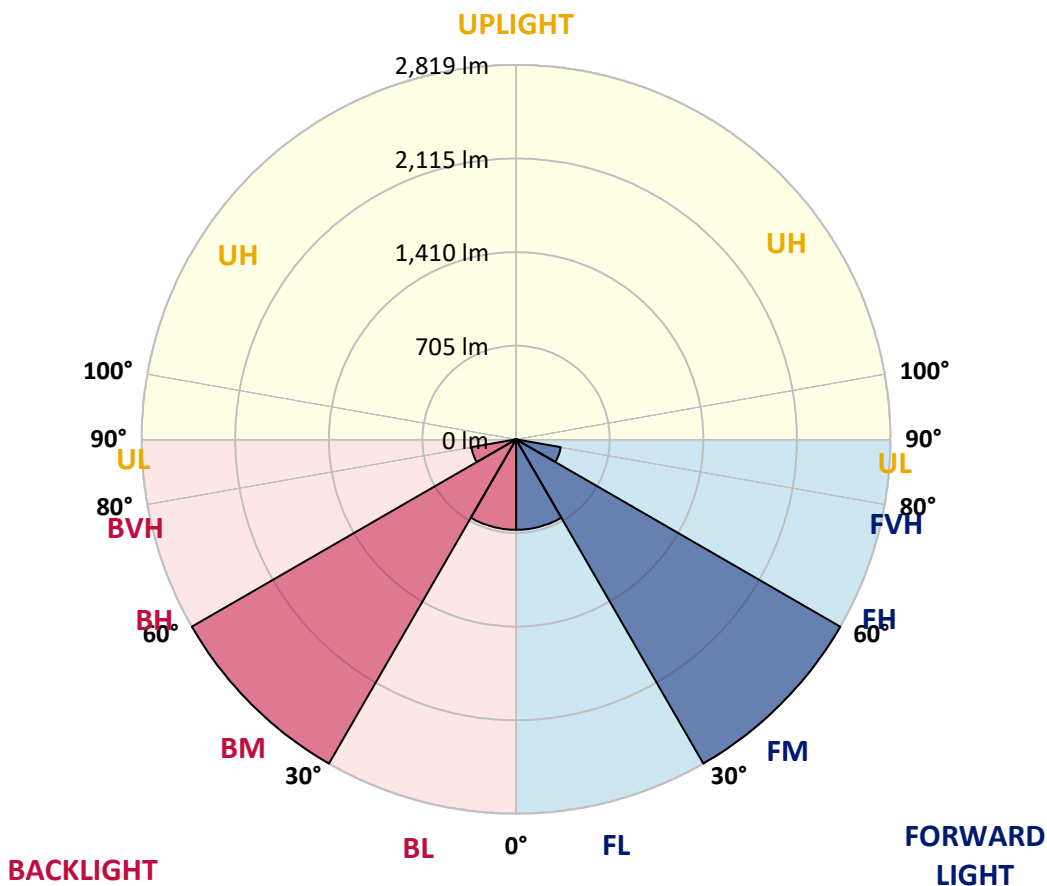
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	681.2	8.8			
FM (30°-60°)	2819.4	36.6			
FH (60°-80°)	341.7	4.4			G0/660
FVH (80°-90°)	10.4	0.1			G1/100
BL (0°-30°)	681.2	8.8	B2/1000		
BM (30°-60°)	2819.4	36.6	B3/5000		
BH (60°-80°)	341.7	4.4	B1/500		G0/660
BVH (80°-90°)	10.4	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°	1386.3	1386.3	1386.3	1386.3	1386.3	1386.3	1386.3	1386.3	1386.3	1386.3	1386.3
2.5°	1383.2	1383.2	1385.6	1388.7	1389.3	1395.4	1394.2	1391.7	1390.5	1388.1	1393.6
5°	1398.4	1399.1	1400.9	1402.7	1401.5	1406.4	1404.5	1401.5	1399.7	1396.6	1402.1
7.5°	1418.6	1418.6	1420.4	1422.8	1421.6	1428.9	1425.3	1421.0	1417.9	1414.3	1419.2
10°	1436.8	1438.1	1439.9	1444.8	1447.2	1455.1	1452.7	1446.6	1441.7	1437.4	1442.9
12.5°	1464.3	1465.5	1467.3	1474.0	1478.3	1486.2	1482.5	1474.0	1466.7	1460.6	1466.7
15°	1499.6	1498.4	1503.3	1511.8	1517.3	1524.6	1520.3	1505.7	1495.9	1488.0	1494.1
17.5°	1535.5	1534.9	1539.8	1550.8	1558.7	1568.5	1561.1	1544.1	1533.7	1524.0	1530.1
20°	1574.5	1576.4	1581.2	1591.6	1603.2	1616.0	1609.9	1591.6	1580.0	1569.1	1573.9
22.5°	1622.7	1623.3	1628.8	1642.2	1657.4	1669.6	1665.9	1643.4	1628.8	1617.2	1623.3
25°	1680.6	1680.0	1687.3	1703.1	1724.4	1736.6	1728.7	1703.7	1687.9	1674.5	1679.4
27.5°	1747.0	1746.4	1757.3	1778.1	1808.5	1825.6	1809.1	1778.1	1756.1	1737.2	1741.5
30°	1830.5	1828.6	1840.8	1868.9	1908.5	1937.1	1912.7	1869.5	1840.8	1820.7	1825.0
32.5°	1923.1	1925.5	1940.8	1978.5	2028.5	2065.7	2029.1	1981.0	1942.6	1913.3	1918.2
35°	2024.9	2024.9	2055.9	2102.8	2174.1	2223.5	2166.8	2097.4	2046.2	2006.0	2007.2
37.5°	2138.2	2139.4	2180.2	2244.8	2338.1	2395.9	2319.2	2233.2	2171.1	2127.8	2125.4
40°	2276.5	2280.2	2322.2	2394.1	2498.9	2551.9	2469.7	2385.6	2322.2	2271.0	2266.2
42.5°	2432.5	2433.7	2478.2	2542.8	2631.1	2662.8	2598.2	2529.4	2477.6	2431.3	2426.4
45°	2581.2	2578.1	2616.5	2664.7	2715.8	2718.9	2682.9	2654.9	2609.8	2570.2	2562.9
47.5°	2697.0	2694.5	2729.3	2755.5	2761.5	2731.7	2743.3	2747.5	2695.1	2641.5	2627.5
50°	2767.6	2772.5	2805.4	2820.0	2784.1	2735.3	2779.2	2768.3	2693.3	2623.2	2600.7
52.5°	2810.3	2817.6	2874.9	2912.1	2874.9	2828.6	2834.7	2770.1	2662.2	2569.6	2540.4
55°	2702.4	2731.7	2855.4	3019.9	3080.8	3048.5	2932.8	2766.4	2566.6	2431.9	2406.9
57.5°	2002.9	2049.2	2232.6	2589.1	2959.6	3077.2	2739.0	2319.2	2016.3	1843.3	1828.6
60°	1022.5	1074.3	1221.1	1587.3	2063.8	2229.6	1907.9	1485.0	1180.3	1040.2	1024.3
62.5°	417.4	425.9	474.1	615.4	912.2	1052.3	924.4	649.0	487.5	449.1	449.7
65°	328.4	330.3	327.8	336.4	382.1	424.1	391.8	344.3	335.7	340.0	337.0
67.5°	286.4	287.0	285.2	285.2	287.0	285.2	288.8	290.7	291.9	296.8	293.7
70°	239.5	240.1	240.1	241.3	240.7	237.6	243.1	245.6	246.2	249.2	247.4
72.5°	185.2	187.1	188.3	188.9	188.3	186.5	189.5	193.8	193.2	196.2	193.2
75°	125.5	128.0	129.2	131.6	131.0	131.0	134.7	136.5	134.7	137.1	134.7
77.5°	71.3	73.1	76.8	79.2	81.7	83.5	85.9	87.1	86.5	87.7	86.5
80°	41.4	42.0	45.1	46.3	49.4	52.4	54.8	56.1	56.7	57.3	56.7
82.5°	23.8	24.4	25.6	26.8	29.2	31.7	34.1	36.0	36.0	36.6	36.0
85°	11.6	11.6	12.2	12.8	14.0	15.8	17.7	19.5	20.1	20.1	20.1
87.5°	1.8	1.8	2.4	2.4	3.0	3.7	4.9	6.1	6.7	6.7	6.7
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)