

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: P633564

Luminaire Tested: GWS-SA2F-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-722-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6288.5 lumens
Efficiency: N/A
Efficacy: 50.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 124.5
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

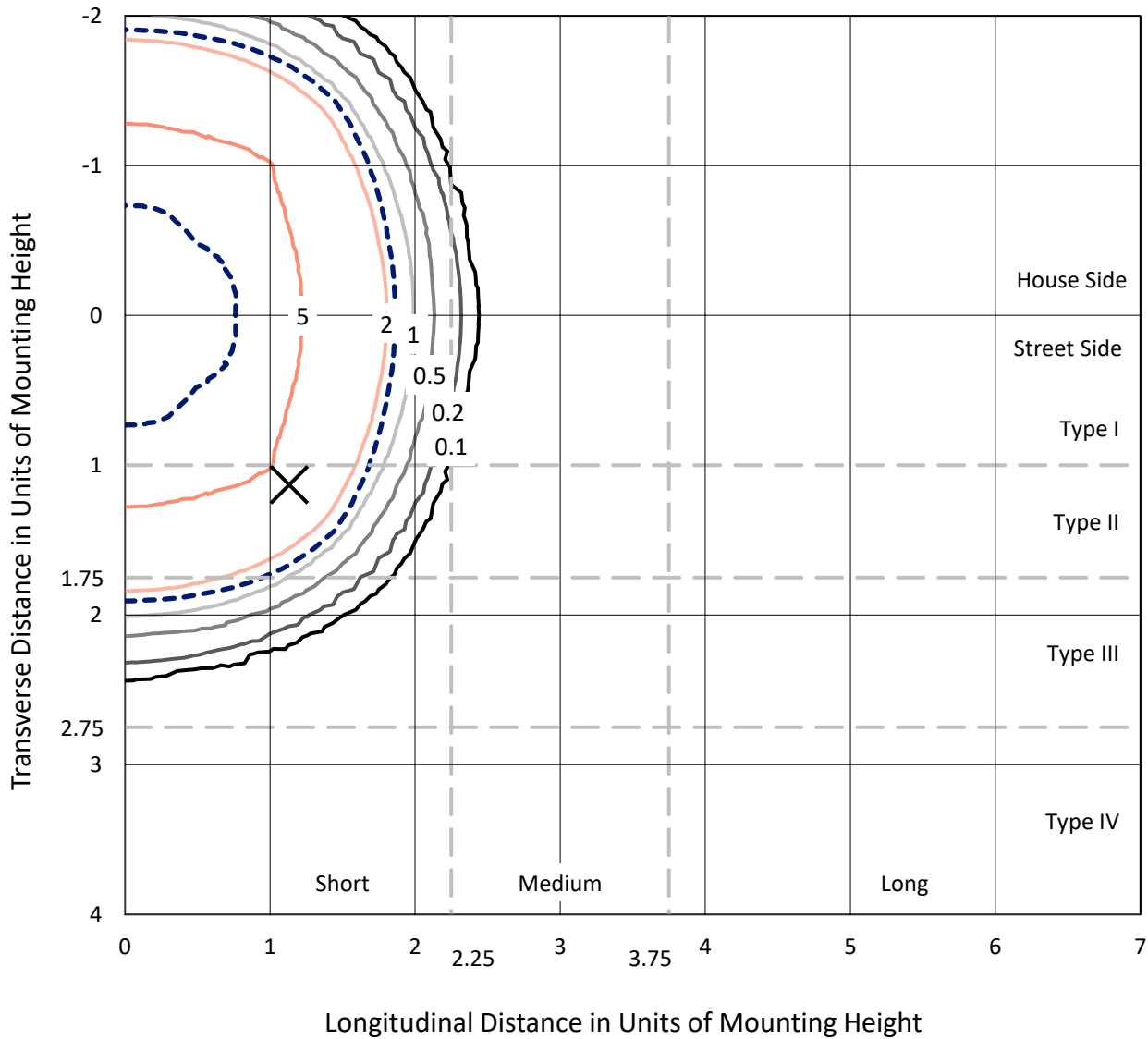


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Iso-Footcandle Lines of Horizontal Illumination

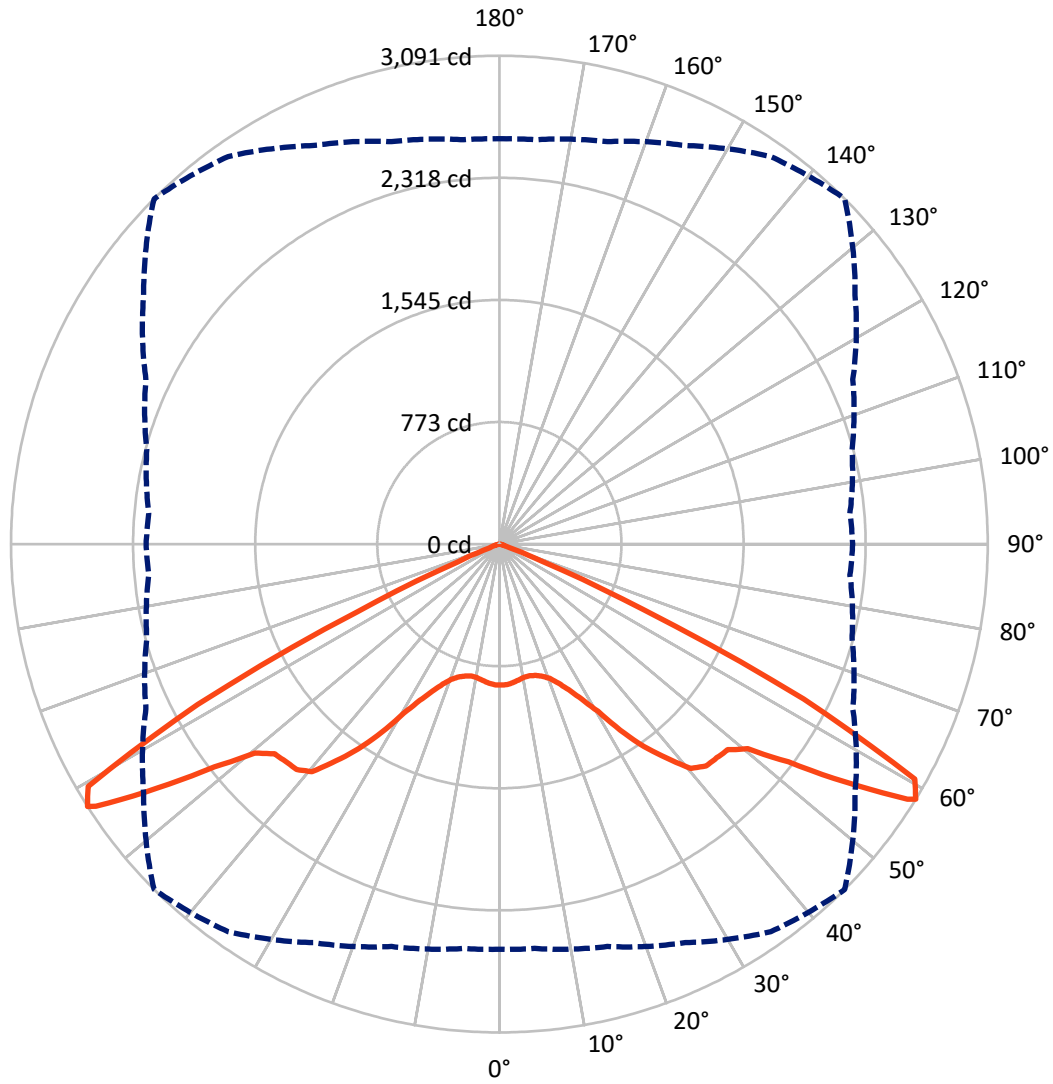
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3144.3	0.0	3144.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3144.3	0.0	3144.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6288.5	0.0	6288.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	1.3
10°-20°	246.2	3.9
20°-30°	465.6	7.4
30°-40°	918.3	14.6
40°-50°	1453.2	23.1
50°-60°	2136.2	34.0
60°-70°	953.5	15.2
70°-80°	32.0	0.5
80°-90°	0.3	0.0
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°	6288.5	100.0
0°-180°	6288.5	100.0

Coefficient of Utilization



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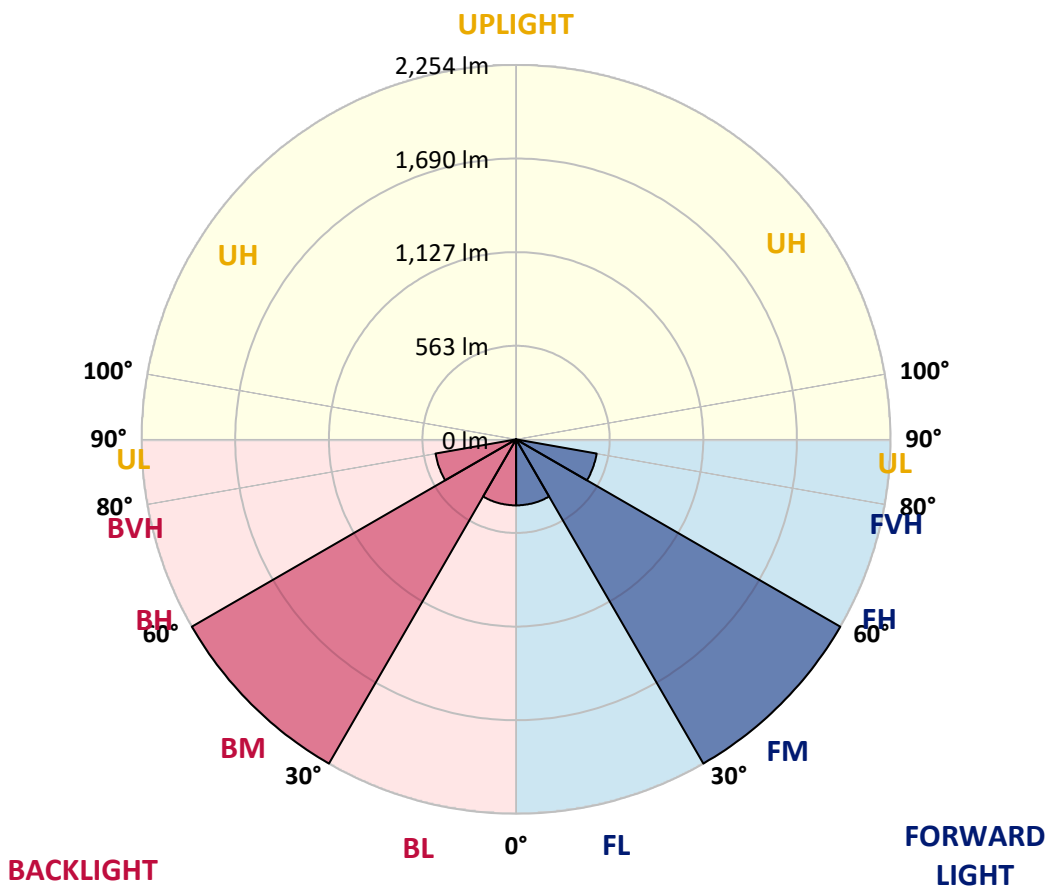
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	397.5	6.3			
FM (30°-60°)	2253.9	35.8			
FH (60°-80°)	492.7	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	397.5	6.3	B1/500		
BM (30°-60°)	2253.9	35.8	B2/2500		
BH (60°-80°)	492.7	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8
2.5°	883.2	884.9	886.7	887.5	888.4	890.9	891.8	889.2	889.2	884.1	890.1
5°	878.9	880.7	882.4	881.5	881.5	881.5	880.7	877.2	876.4	871.2	877.2
7.5°	871.2	872.9	872.9	870.4	868.7	868.7	867.8	863.5	862.7	857.5	863.5
10°	865.2	866.1	865.2	860.1	856.7	856.7	855.8	854.1	855.0	851.5	856.7
12.5°	868.7	869.5	866.1	859.2	855.0	854.1	851.5	849.0	851.5	850.7	855.8
15°	879.8	880.7	874.7	866.1	862.7	862.7	855.8	849.0	852.4	853.2	859.2
17.5°	893.5	893.5	885.8	878.1	878.9	878.9	867.8	855.8	856.7	860.1	866.1
20°	909.8	909.8	902.1	900.4	906.4	907.2	893.5	874.7	870.4	872.9	879.8
22.5°	938.9	938.9	932.9	937.2	950.9	955.2	934.6	908.1	897.8	899.5	906.4
25°	984.3	984.3	982.6	992.9	1012.6	1022.0	994.6	959.5	942.3	939.8	947.5
27.5°	1060.6	1061.4	1058.8	1074.3	1099.1	1110.2	1072.6	1026.3	1005.7	1001.4	1009.2
30°	1159.1	1159.1	1159.9	1181.3	1213.9	1228.5	1178.8	1124.8	1100.8	1087.1	1097.4
32.5°	1268.7	1270.4	1279.0	1315.0	1372.4	1402.4	1329.6	1254.2	1215.6	1201.1	1212.2
35°	1449.5	1433.2	1422.9	1449.5	1532.6	1572.0	1478.6	1390.4	1361.2	1359.5	1387.8
37.5°	1628.5	1619.1	1597.7	1625.1	1699.6	1717.6	1614.8	1541.1	1520.6	1531.7	1560.0
40°	1770.7	1753.6	1725.3	1751.0	1848.7	1866.7	1739.9	1667.1	1659.4	1684.2	1722.8
42.5°	1883.0	1859.0	1821.3	1827.3	1906.1	1918.9	1806.7	1751.9	1757.0	1787.9	1831.6
45°	1933.5	1914.7	1881.2	1878.7	1928.4	1929.2	1841.0	1812.7	1826.4	1850.4	1884.7
47.5°	1954.9	1946.4	1927.5	1923.2	1951.5	1944.6	1889.8	1877.8	1890.7	1897.5	1917.2
50°	2008.0	2008.0	2010.6	2014.0	2043.2	2036.3	1997.8	1984.0	1967.8	1943.8	1949.8
52.5°	2157.1	2163.1	2187.9	2215.3	2268.5	2290.7	2228.2	2148.5	2070.6	2018.3	2018.3
55°	2426.1	2432.1	2461.2	2507.5	2605.1	2658.2	2512.6	2337.0	2229.9	2158.8	2168.2
57.5°	2574.3	2581.1	2641.1	2766.2	2955.5	3045.5	2732.8	2472.3	2322.4	2241.0	2247.9
58°	2564.9	2569.2	2636.8	2783.3	2994.1	3090.9	2748.2	2468.1	2310.4	2227.3	2235.9
60°	2278.7	2272.7	2380.7	2589.7	2887.0	3020.6	2594.9	2253.0	2069.7	1984.9	1989.2
62.5°	1489.7	1493.2	1586.6	1805.0	2036.3	2162.2	1812.7	1558.3	1410.9	1359.5	1346.7
65°	621.9	610.8	668.2	789.8	928.6	998.9	858.4	726.5	635.6	601.4	610.8
67.5°	160.2	155.9	159.3	199.6	244.2	288.7	242.4	185.0	161.1	162.8	162.8
70°	90.8	85.7	69.4	64.3	62.5	62.5	62.5	62.5	72.0	84.8	87.4
72.5°	68.5	64.3	50.5	43.7	38.6	36.0	37.7	43.7	52.3	63.4	65.1
75°	34.3	34.3	30.8	29.1	25.7	24.0	24.8	27.4	31.7	36.0	35.1
77.5°	6.9	7.7	8.6	10.3	8.6	8.6	8.6	10.3	10.3	11.1	10.3
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)