

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: P632078

Luminaire Tested: GWS-SA2C-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7125.5 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

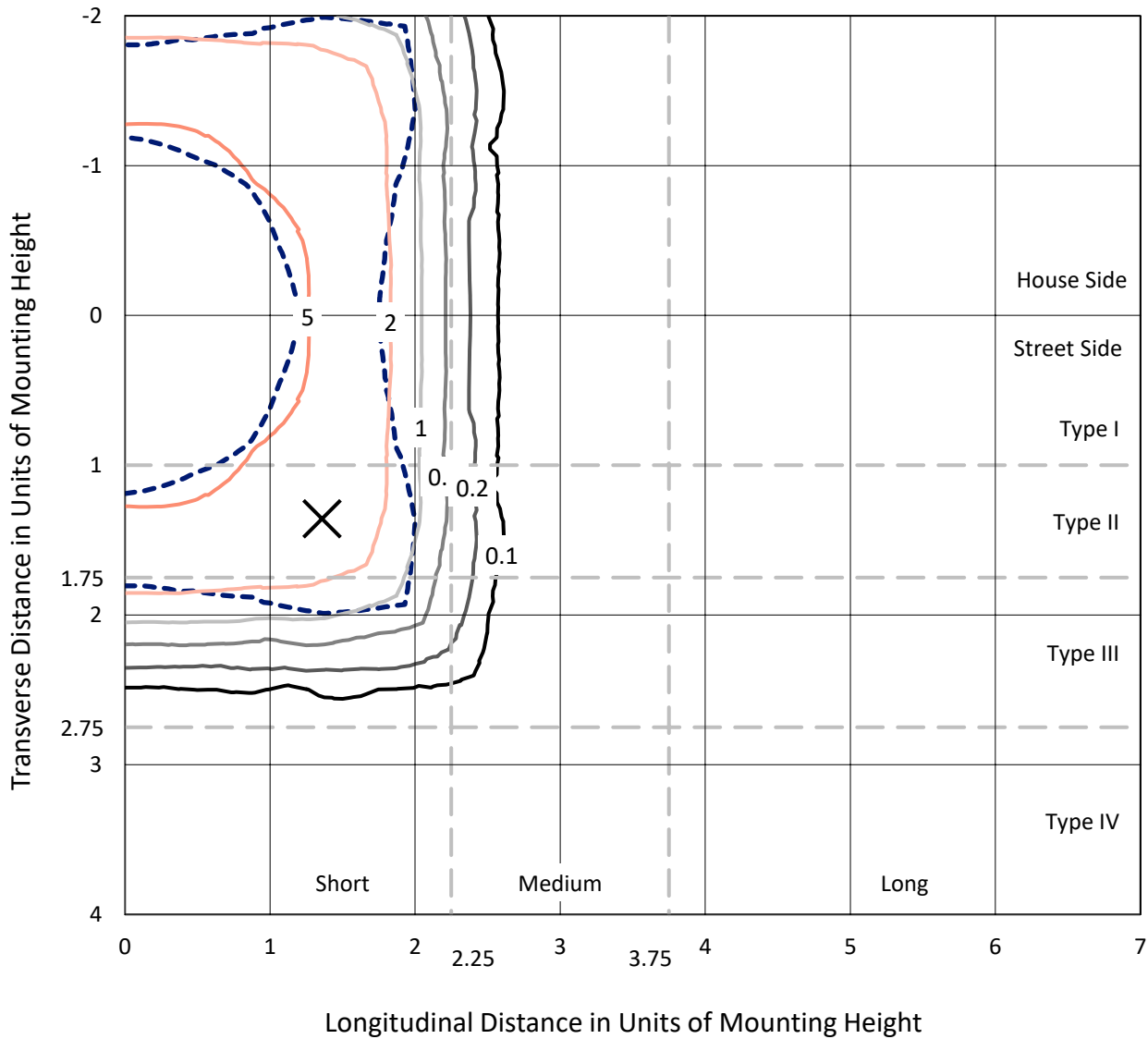
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

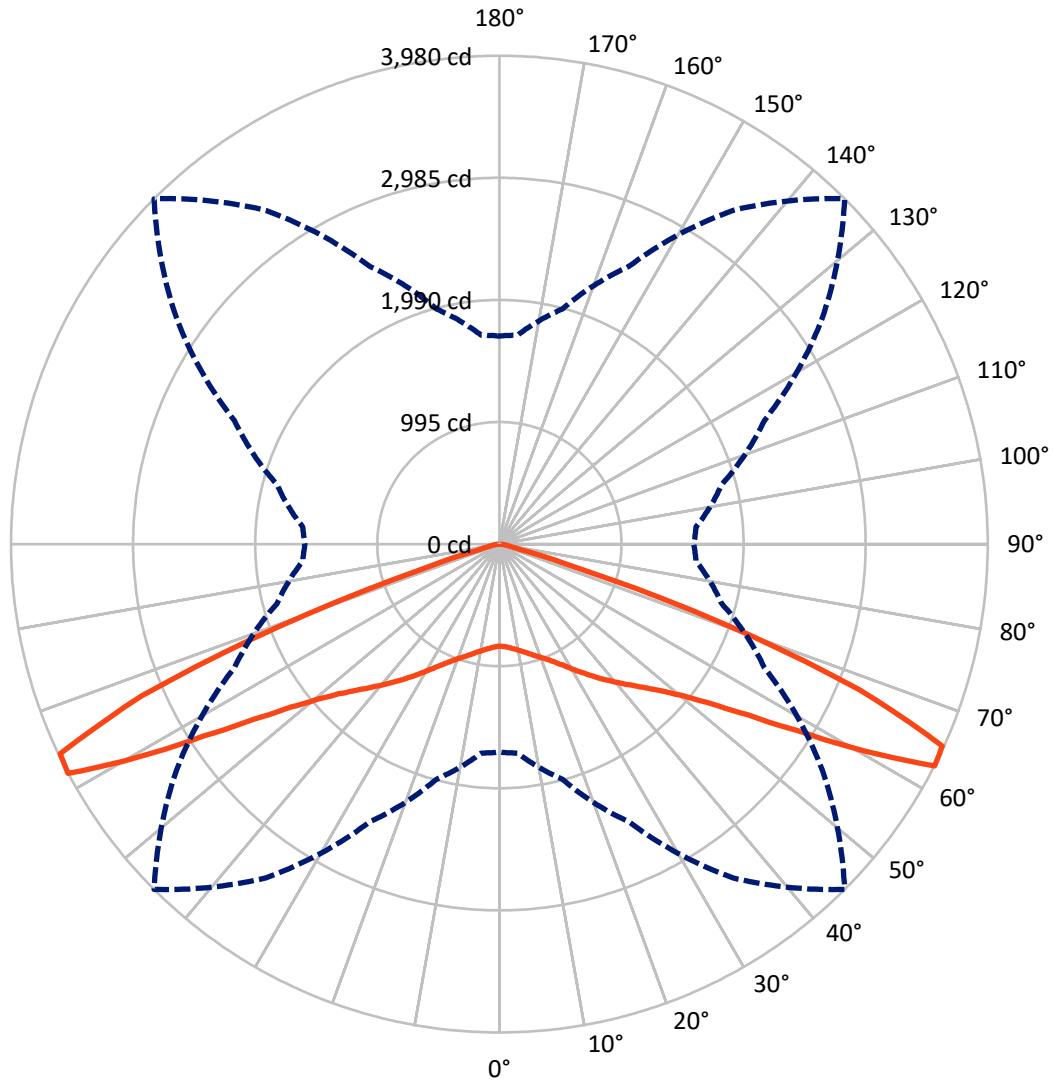
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3562.7	0.0	3562.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3562.7	0.0	3562.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	7125.5	0.0	7125.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	1.1
10°-20°	263.0	3.7
20°-30°	497.6	7.0
30°-40°	837.5	11.8
40°-50°	1338.1	18.8
50°-60°	2157.0	30.3
60°-70°	1759.9	24.7
70°-80°	170.9	2.4
80°-90°	19.9	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°	7125.5	100.0
0°-180°	7125.5	100.0

Coefficient of Utilization



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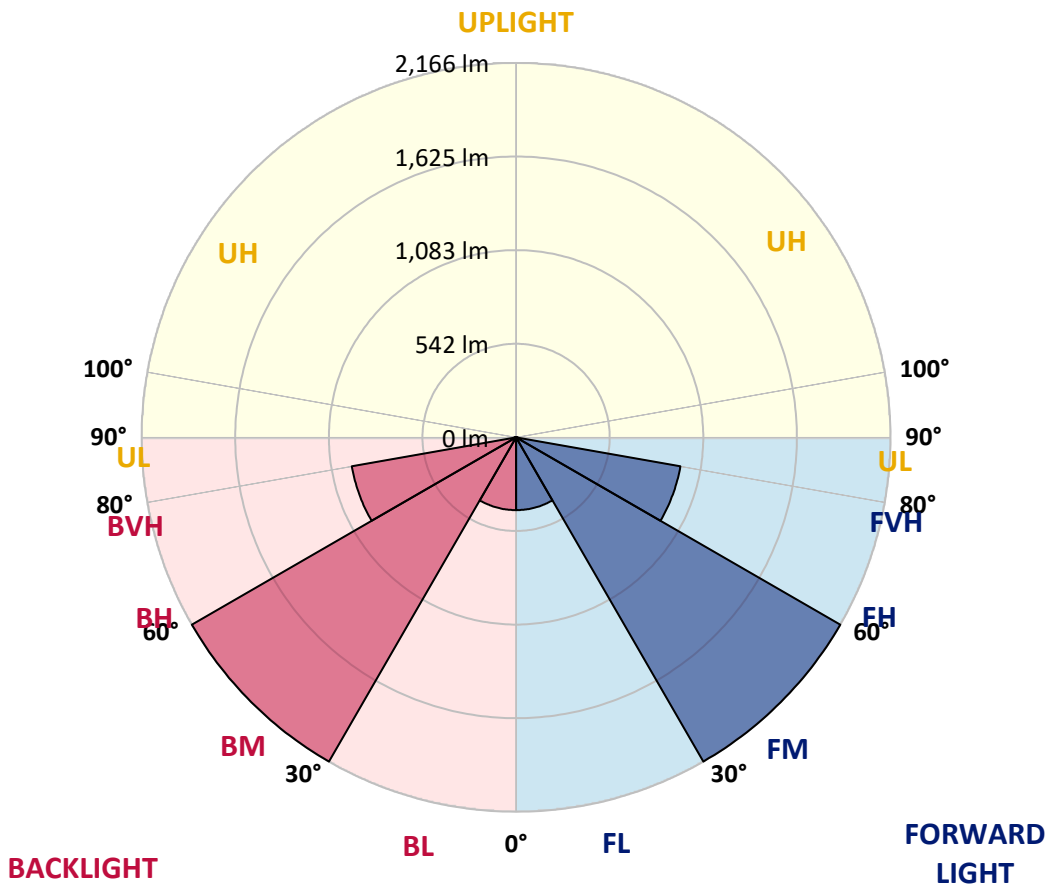
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.1	5.9			
FM (30°-60°)	2166.3	30.4			
FH (60°-80°)	965.4	13.5			G1/1800
FVH (80°-90°)	9.9	0.1			G0/10
BL (0°-30°)	421.1	5.9	B1/500		
BM (30°-60°)	2166.3	30.4	B2/2500		
BH (60°-80°)	965.4	13.5	B2/1000		G1/1800
BVH (80°-90°)	9.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	831.3	831.3	831.3	831.3	831.3	831.3	831.3	831.3	831.3	831.3	831.3
2.5°	830.3	830.3	832.3	833.7	832.8	836.7	836.2	835.2	834.7	833.2	837.6
5°	841.5	841.5	843.0	844.5	842.0	846.9	845.0	844.0	843.5	841.5	845.5
7.5°	854.3	855.7	856.2	858.7	857.2	862.6	861.1	859.1	858.2	855.7	859.1
10°	868.4	869.4	869.9	874.3	874.8	881.1	879.7	877.2	875.3	872.8	877.7
12.5°	887.5	888.0	889.4	894.8	896.3	901.2	900.7	897.3	894.8	891.4	896.8
15°	911.9	912.4	914.9	920.2	922.7	928.5	926.6	921.2	917.8	913.9	918.3
17.5°	937.3	939.3	941.7	947.1	950.5	957.4	954.9	949.1	946.1	942.2	945.2
20°	970.1	970.6	972.0	977.9	980.3	988.2	988.6	982.8	981.3	977.4	981.8
22.5°	1006.2	1006.7	1008.2	1014.5	1018.9	1023.8	1026.8	1023.3	1020.9	1016.0	1021.4
25°	1046.3	1051.2	1052.7	1060.5	1065.4	1068.3	1071.7	1070.3	1066.8	1061.0	1063.4
27.5°	1102.5	1103.5	1105.9	1114.7	1117.7	1120.6	1124.0	1124.5	1119.6	1112.8	1116.2
30°	1166.5	1166.0	1171.4	1178.3	1180.7	1183.2	1188.0	1191.0	1184.6	1177.3	1180.7
32.5°	1232.0	1237.9	1244.7	1251.1	1249.6	1250.6	1258.4	1263.8	1255.0	1241.8	1244.7
35°	1305.8	1309.7	1318.5	1327.8	1325.9	1324.4	1329.3	1334.7	1322.4	1305.3	1309.7
37.5°	1381.6	1387.4	1400.6	1411.9	1408.9	1402.1	1407.5	1413.3	1401.6	1382.1	1380.1
40°	1466.1	1475.4	1494.5	1503.7	1495.9	1482.7	1492.0	1506.2	1494.5	1472.0	1466.6
42.5°	1565.3	1576.6	1595.6	1609.8	1592.7	1571.2	1586.8	1607.3	1604.4	1574.6	1565.3
45°	1688.0	1695.3	1718.8	1725.6	1700.2	1670.4	1698.7	1730.0	1722.7	1690.4	1678.2
47.5°	1821.4	1832.6	1853.2	1865.9	1824.8	1787.7	1827.3	1869.3	1861.5	1831.2	1817.0
50°	1991.5	2006.1	2033.0	2043.8	1987.1	1944.6	1995.4	2048.6	2033.5	1992.9	1974.4
52.5°	2176.7	2188.4	2234.4	2255.9	2202.6	2156.7	2201.1	2253.4	2221.2	2167.4	2142.5
55°	2339.9	2351.6	2419.1	2490.4	2488.0	2456.2	2478.7	2479.7	2392.2	2303.3	2276.9
57.5°	2375.1	2386.8	2515.4	2702.0	2834.0	2870.6	2804.7	2665.9	2445.5	2289.6	2259.8
60°	2187.4	2200.6	2404.9	2746.0	3180.0	3424.8	3120.9	2662.0	2280.8	2069.7	2041.3
62.5°	1694.8	1709.0	1983.6	2495.8	3319.8	3979.5	3212.7	2381.9	1876.1	1608.8	1583.9
65°	809.3	809.3	1158.2	1790.1	3041.2	3966.3	2946.9	1762.3	1129.4	867.4	845.9
67.5°	200.4	201.3	298.1	696.9	2068.7	3165.3	2102.4	845.9	397.8	281.5	274.2
70°	125.1	124.6	138.3	188.6	723.8	1921.1	859.6	255.1	161.8	142.7	141.7
72.5°	97.3	97.3	104.1	120.7	189.6	654.4	250.7	141.7	117.3	105.6	105.6
75°	76.7	76.7	81.6	90.4	111.9	168.6	133.4	105.1	90.9	83.1	82.1
77.5°	57.2	58.2	62.1	67.9	76.2	94.8	84.5	79.2	70.9	65.0	63.0
80°	37.1	38.6	43.5	46.9	49.8	62.6	55.2	57.7	53.8	46.9	45.9
82.5°	20.0	20.5	26.4	27.4	28.3	34.2	35.2	36.7	38.1	29.8	27.9
85°	7.3	7.3	8.8	10.3	11.2	12.2	16.6	20.5	21.5	17.1	16.6
87.5°	1.5	1.5	1.5	1.0	1.0	1.0	2.9	5.4	8.8	6.8	6.8
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)