

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: P631253

Luminaire Tested: GWS-SA1F-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631253
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-SA1F-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8685 lumens
Efficiency: N/A
Efficacy: 129.2 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

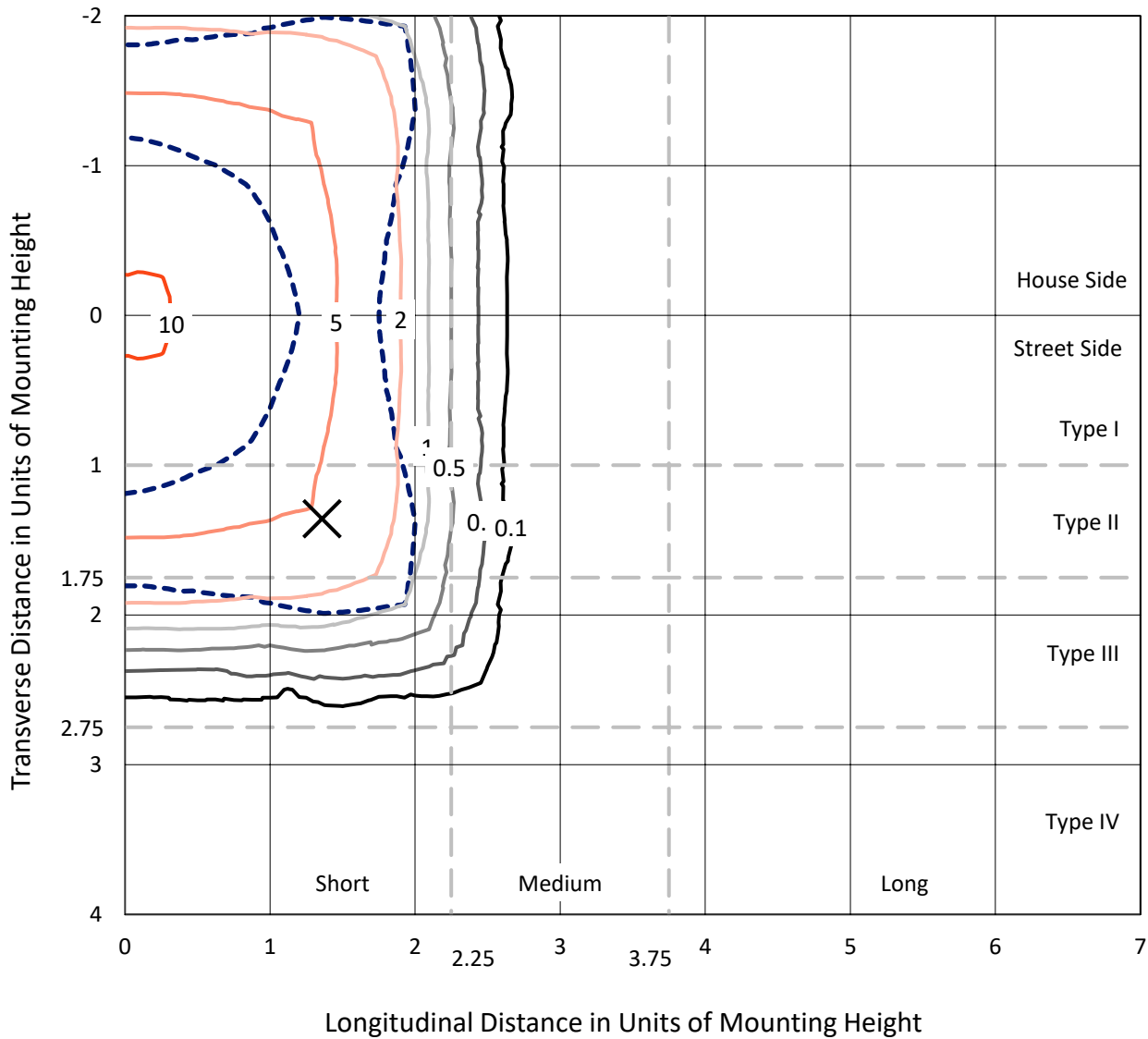
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

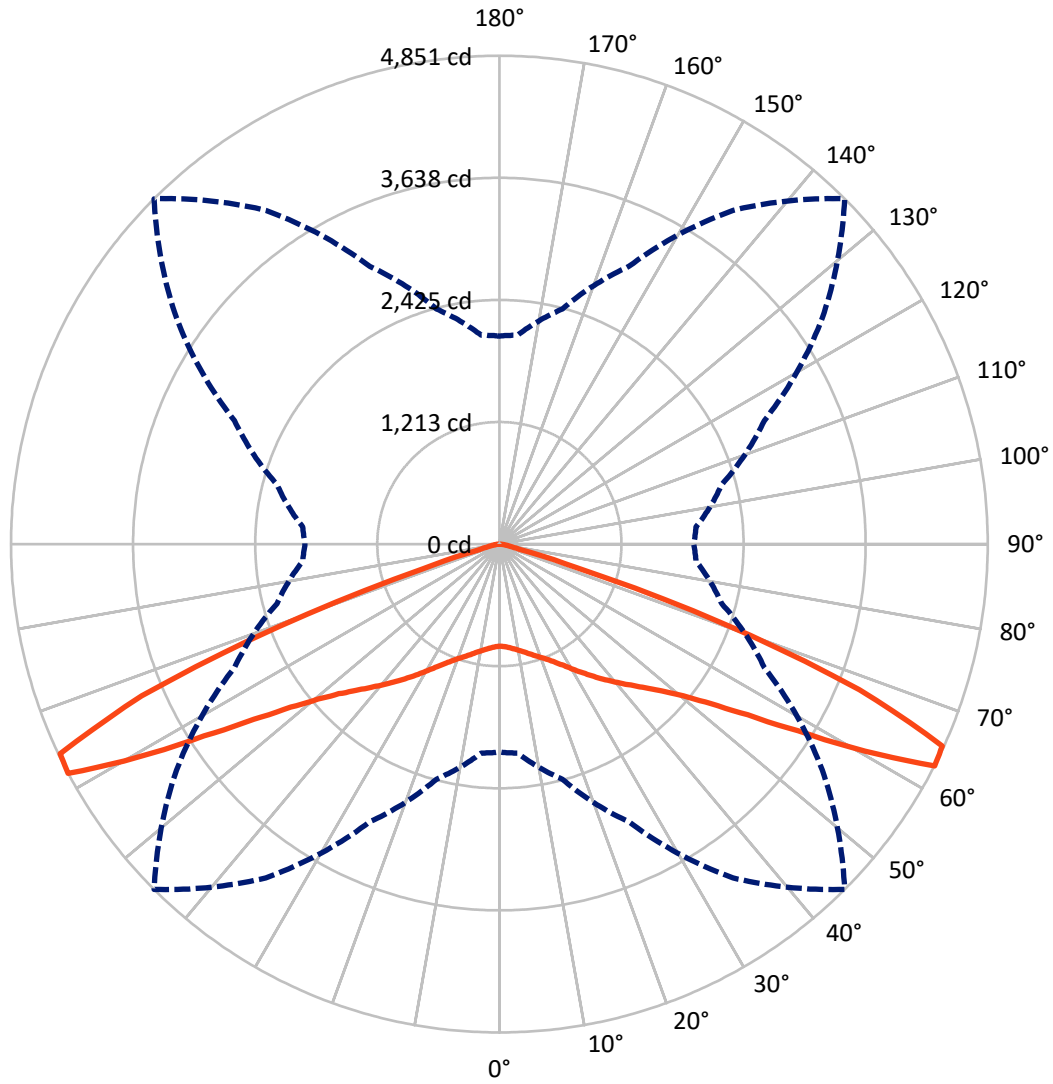
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 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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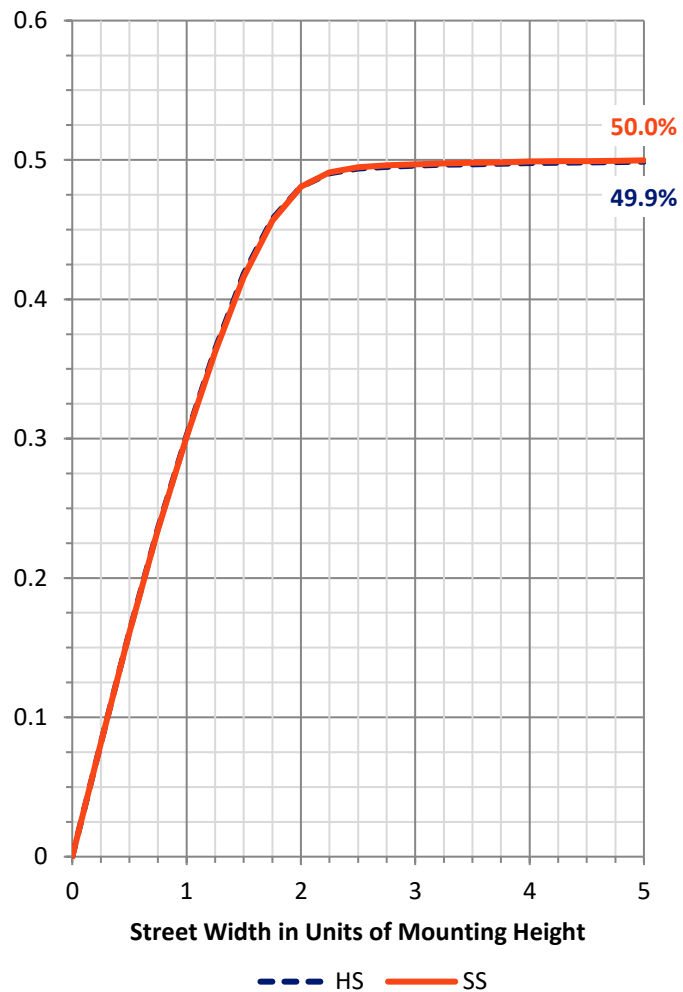
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4342.5	0.0	4342.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4342.5	0.0	4342.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8685.0	0.0	8685.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	1.1
10°-20°	320.6	3.7
20°-30°	606.5	7.0
30°-40°	1020.8	11.8
40°-50°	1631.0	18.8
50°-60°	2629.1	30.3
60°-70°	2145.0	24.7
70°-80°	208.3	2.4
80°-90°	24.2	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°	8685.0	100.0
0°-180°	8685.0	100.0

Coefficient of Utilization



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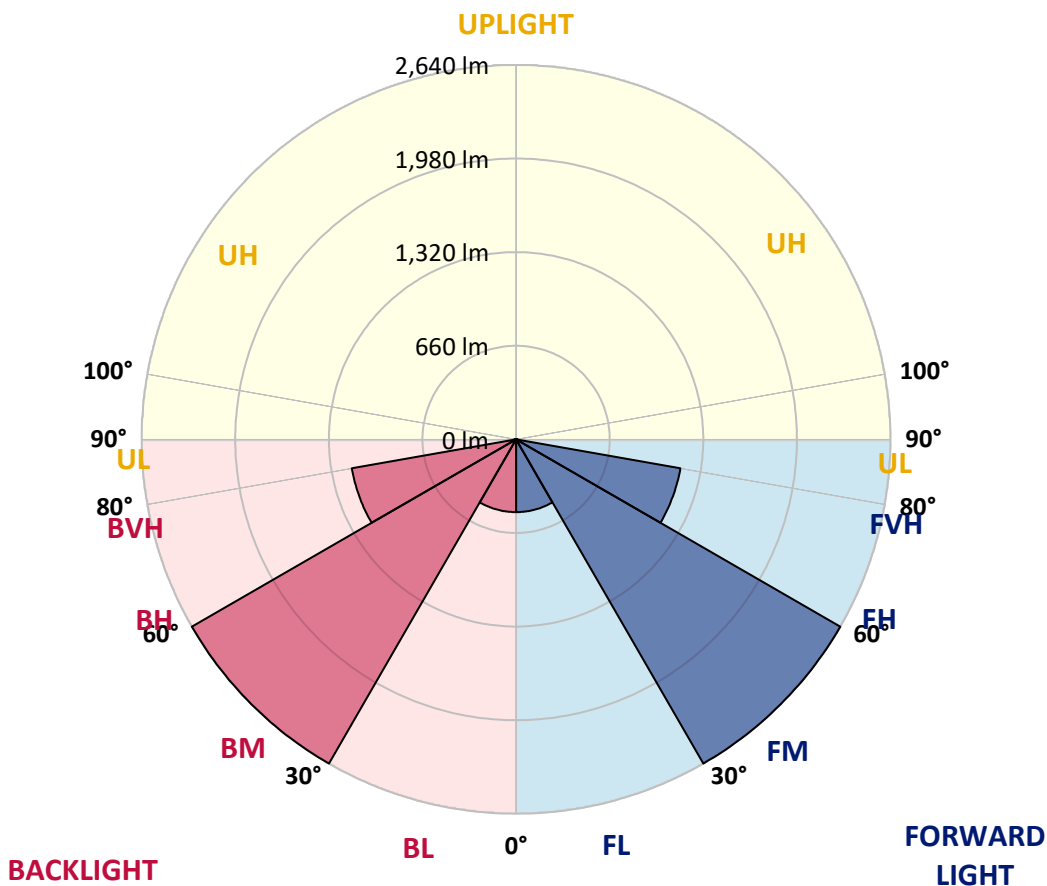
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	513.3	5.9			
FM (30°-60°)	2640.5	30.4			
FH (60°-80°)	1176.7	13.5			G1/1800
FVH (80°-90°)	12.1	0.1			G1/100
BL (0°-30°)	513.3	5.9	B2/1000		
BM (30°-60°)	2640.5	30.4	B3/5000		
BH (60°-80°)	1176.7	13.5	B3/2500		G1/1800
BVH (80°-90°)	12.1	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°	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2
2.5°	1012.0	1012.0	1014.4	1016.2	1015.0	1019.8	1019.2	1018.0	1017.4	1015.6	1021.0
5°	1025.7	1025.7	1027.5	1029.3	1026.3	1032.3	1029.9	1028.7	1028.1	1025.7	1030.5
7.5°	1041.2	1043.0	1043.6	1046.6	1044.8	1051.3	1049.6	1047.2	1046.0	1043.0	1047.2
10°	1058.5	1059.7	1060.3	1065.6	1066.2	1074.0	1072.2	1069.2	1066.8	1063.9	1069.8
12.5°	1081.7	1082.3	1084.1	1090.7	1092.4	1098.4	1097.8	1093.6	1090.7	1086.5	1093.0
15°	1111.5	1112.1	1115.1	1121.6	1124.6	1131.8	1129.4	1122.8	1118.7	1113.9	1119.3
17.5°	1142.5	1144.9	1147.8	1154.4	1158.6	1166.9	1163.9	1156.8	1153.2	1148.4	1152.0
20°	1182.4	1183.0	1184.8	1191.9	1194.9	1204.4	1205.0	1197.9	1196.1	1191.3	1196.7
22.5°	1226.5	1227.1	1228.9	1236.6	1242.0	1247.9	1251.5	1247.3	1244.3	1238.4	1244.9
25°	1275.3	1281.3	1283.1	1292.6	1298.5	1302.1	1306.3	1304.5	1300.3	1293.2	1296.2
27.5°	1343.8	1345.0	1348.0	1358.7	1362.3	1365.9	1370.0	1370.6	1364.7	1356.3	1360.5
30°	1421.8	1421.3	1427.8	1436.1	1439.1	1442.1	1448.1	1451.6	1443.9	1435.0	1439.1
32.5°	1501.7	1508.8	1517.2	1524.9	1523.1	1524.3	1533.8	1540.4	1529.7	1513.6	1517.2
35°	1591.6	1596.4	1607.1	1618.4	1616.0	1614.2	1620.2	1626.8	1611.9	1591.0	1596.4
37.5°	1683.9	1691.1	1707.2	1720.9	1717.3	1709.0	1715.5	1722.7	1708.4	1684.5	1682.2
40°	1787.0	1798.3	1821.5	1832.9	1823.3	1807.2	1818.6	1835.8	1821.5	1794.1	1787.6
42.5°	1907.9	1921.6	1944.8	1962.1	1941.3	1915.1	1934.1	1959.1	1955.6	1919.2	1907.9
45°	2057.4	2066.4	2094.9	2103.3	2072.3	2036.0	2070.5	2108.6	2099.7	2060.4	2045.5
47.5°	2220.0	2233.7	2258.8	2274.2	2224.2	2178.9	2227.2	2278.4	2268.9	2231.9	2214.7
50°	2427.3	2445.2	2478.0	2491.1	2422.0	2370.1	2432.1	2497.0	2478.6	2429.1	2406.5
52.5°	2653.1	2667.4	2723.4	2749.6	2684.7	2628.7	2682.9	2746.6	2707.3	2641.8	2611.4
55°	2852.0	2866.3	2948.5	3035.5	3032.5	2993.8	3021.2	3022.4	2915.8	2807.4	2775.2
57.5°	2894.9	2909.2	3065.9	3293.4	3454.2	3498.9	3418.5	3249.3	2980.7	2790.7	2754.3
60°	2666.2	2682.3	2931.3	3347.0	3876.0	4174.4	3803.9	3244.6	2780.0	2522.6	2488.1
62.5°	2065.8	2083.0	2417.8	3042.0	4046.3	4850.5	3915.9	2903.3	2286.7	1960.9	1930.5
65°	986.4	986.4	1411.7	2181.9	3706.8	4834.4	3591.8	2148.0	1376.6	1057.3	1031.1
67.5°	244.2	245.4	363.4	849.4	2521.4	3858.1	2562.5	1031.1	484.9	343.1	334.2
70°	152.5	151.9	168.6	229.9	882.2	2341.6	1047.8	310.9	197.2	173.9	172.7
72.5°	118.5	118.5	126.9	147.1	231.1	797.6	305.6	172.7	143.0	128.7	128.7
75°	93.5	93.5	99.5	110.2	136.4	205.5	162.6	128.1	110.8	101.3	100.1
77.5°	69.7	70.9	75.6	82.8	92.9	115.6	103.0	96.5	86.4	79.2	76.8
80°	45.3	47.1	53.0	57.2	60.8	76.2	67.3	70.3	65.5	57.2	56.0
82.5°	24.4	25.0	32.2	33.4	34.5	41.7	42.9	44.7	46.5	36.3	34.0
85°	8.9	8.9	10.7	12.5	13.7	14.9	20.3	25.0	26.2	20.8	20.3
87.5°	1.8	1.8	1.8	1.2	1.2	1.2	3.6	6.6	10.7	8.3	8.3
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)