

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: P632241

Luminaire Tested: GWS-SA2C-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6423.5 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

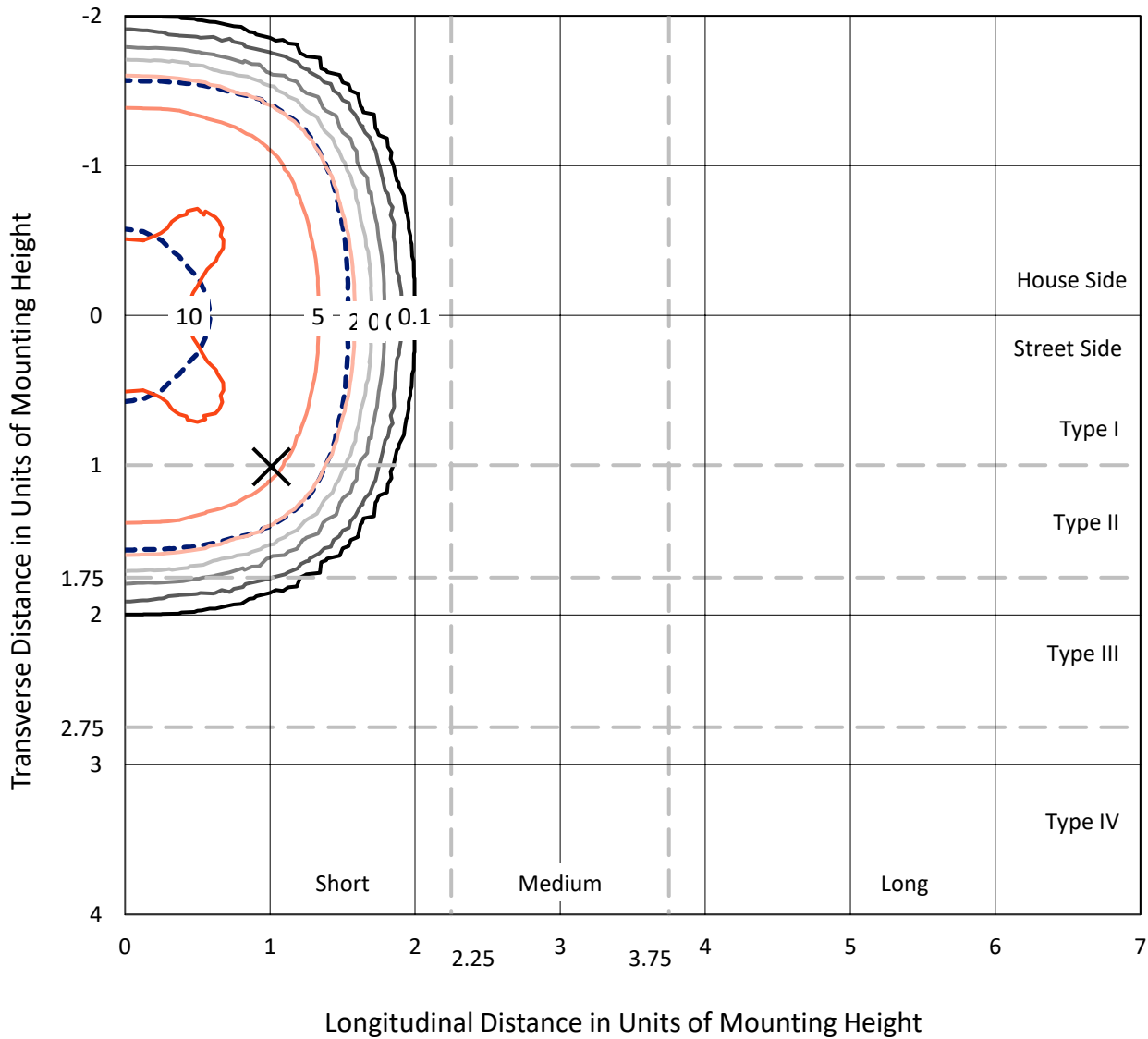
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

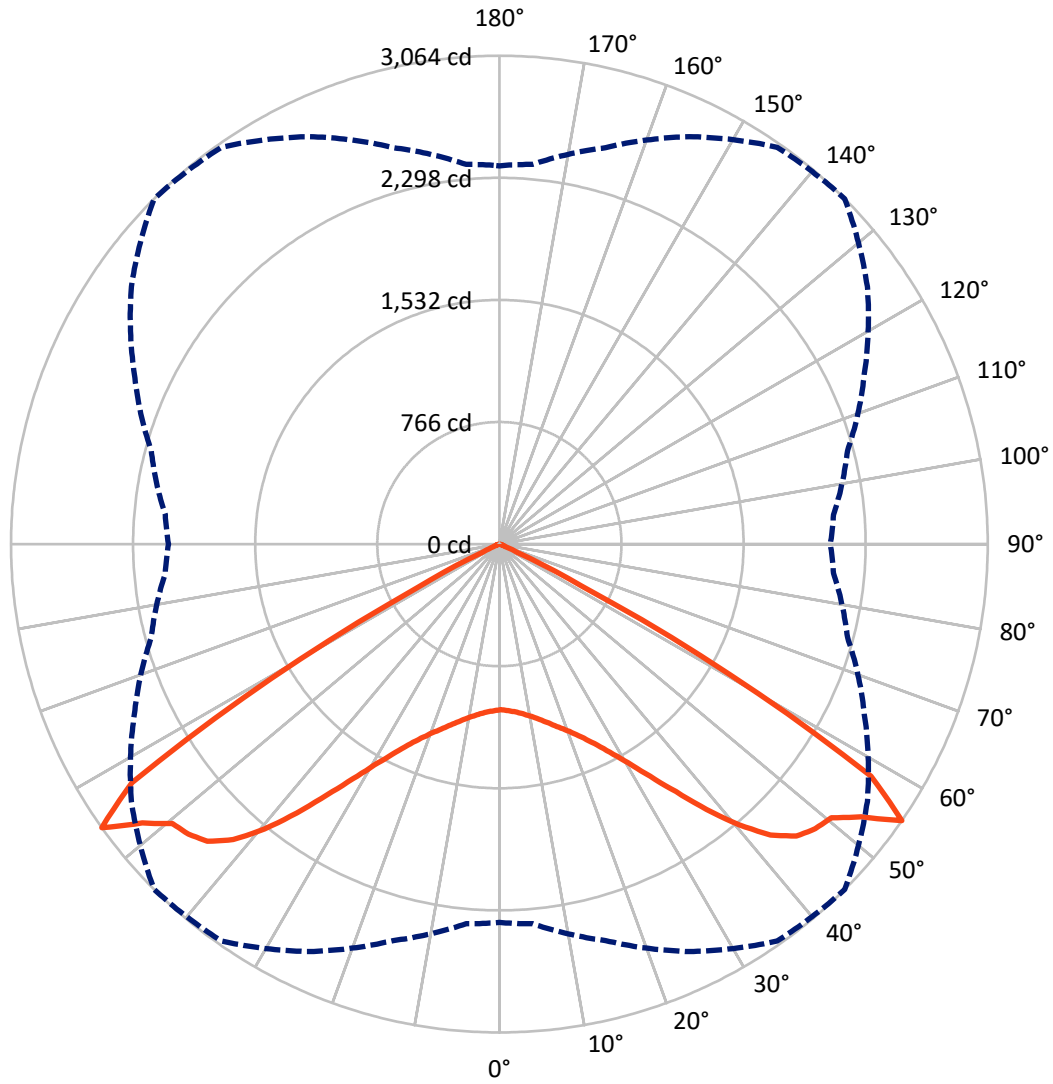
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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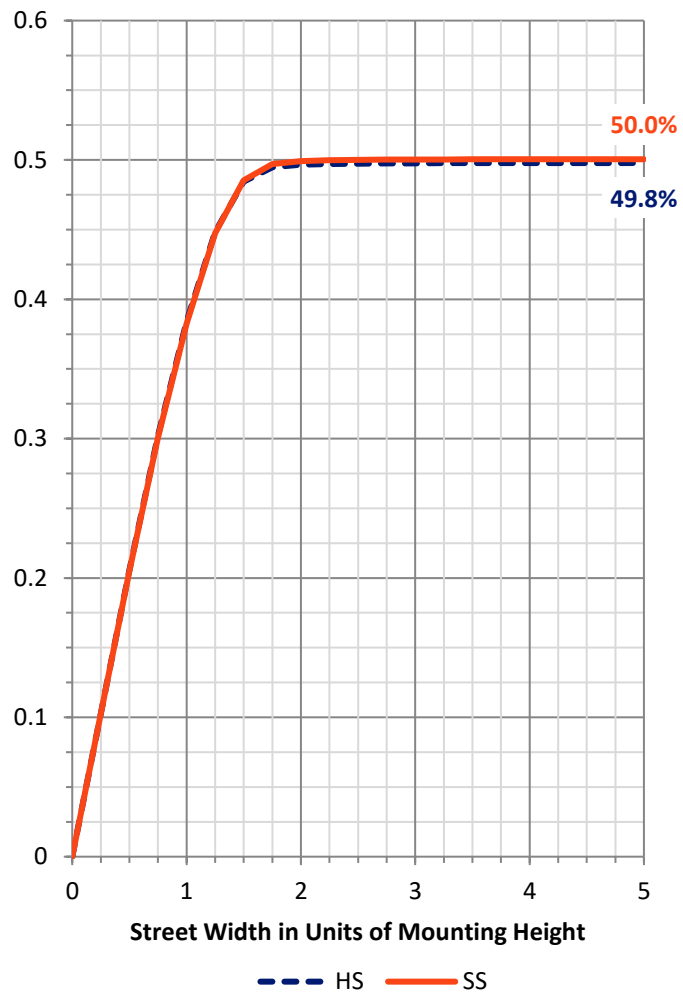
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3211.8	0.0	3211.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3211.8	0.0	3211.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6423.5	0.0	6423.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	1.6
10°-20°	329.8	5.1
20°-30°	638.8	9.9
30°-40°	1144.4	17.8
40°-50°	1918.7	29.9
50°-60°	2053.9	32.0
60°-70°	225.7	3.5
70°-80°	9.9	0.2
80°-90°	0.5	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°	6423.5	100.0
0°-180°	6423.5	100.0

Coefficient of Utilization



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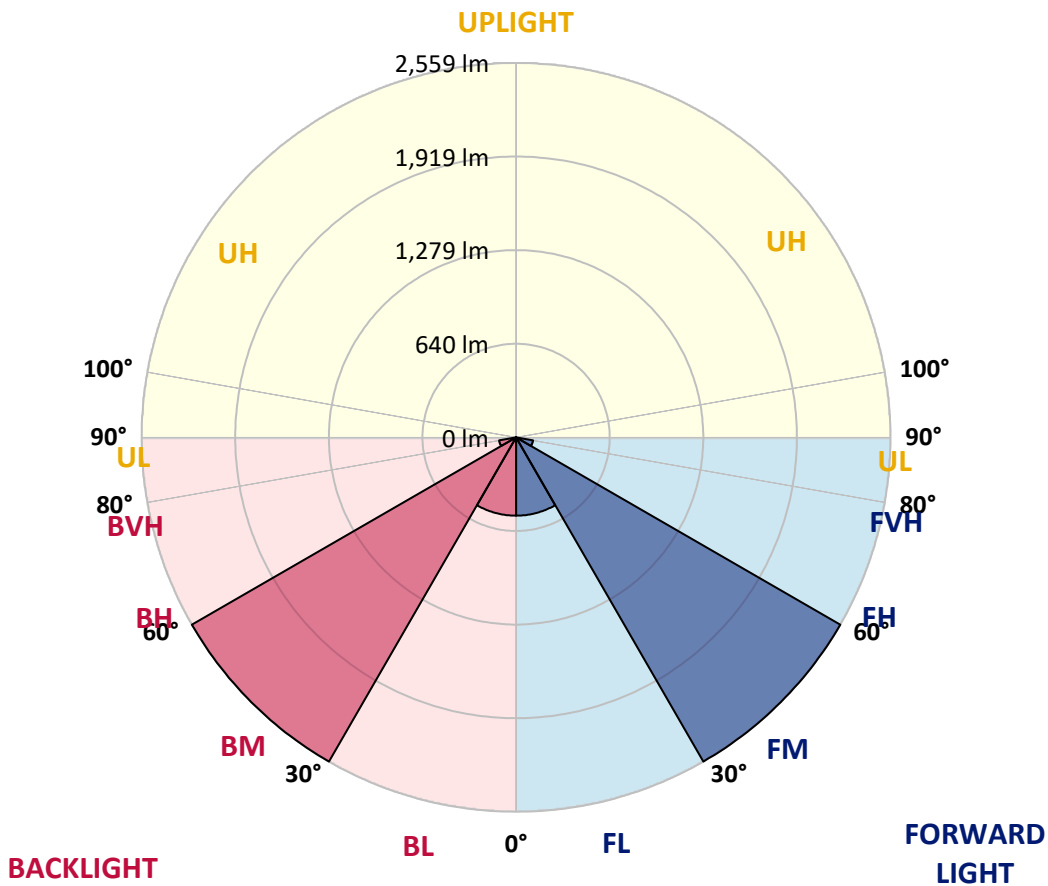
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	535.2	8.3			
FM (30°-60°)	2558.5	39.8			
FH (60°-80°)	117.8	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	535.2	8.3	B2/1000		
BM (30°-60°)	2558.5	39.8	B3/5000		
BH (60°-80°)	117.8	1.8	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1038.6	1038.6	1038.6	1038.6	1038.6	1038.6	1038.6	1038.6	1038.6	1038.6	1038.6
2.5°	1036.6	1036.6	1039.2	1041.2	1041.2	1046.4	1044.4	1042.5	1042.5	1039.9	1045.1
5°	1051.6	1051.0	1053.6	1054.9	1052.3	1057.5	1054.3	1052.3	1051.0	1048.4	1053.6
7.5°	1068.0	1068.7	1069.3	1071.9	1070.6	1075.9	1073.2	1069.3	1068.0	1064.1	1069.3
10°	1087.6	1087.6	1088.9	1092.2	1092.9	1099.4	1096.8	1092.2	1088.3	1084.4	1089.6
12.5°	1112.5	1113.2	1115.1	1119.7	1122.3	1129.5	1125.6	1116.4	1110.5	1106.0	1111.9
15°	1148.5	1147.8	1150.5	1157.0	1160.3	1165.5	1159.6	1147.2	1140.0	1134.8	1138.7
17.5°	1187.8	1187.8	1189.1	1195.6	1200.2	1208.0	1200.9	1185.8	1179.3	1172.1	1176.0
20°	1231.0	1232.9	1234.2	1238.8	1246.7	1254.5	1248.6	1233.6	1226.4	1217.2	1221.8
22.5°	1287.9	1285.9	1286.6	1294.4	1305.6	1313.4	1308.8	1291.2	1278.7	1271.5	1274.1
25°	1351.4	1350.7	1352.7	1364.5	1376.9	1385.4	1378.9	1355.9	1343.5	1331.1	1336.3
27.5°	1429.2	1429.9	1431.2	1445.6	1465.2	1477.7	1461.3	1438.4	1421.4	1405.0	1409.0
30°	1521.5	1520.2	1524.1	1543.8	1572.6	1592.2	1573.2	1541.1	1516.9	1501.2	1503.2
32.5°	1619.7	1621.0	1631.5	1662.9	1700.8	1735.5	1696.9	1654.4	1622.9	1593.5	1597.4
35°	1725.7	1729.0	1752.5	1799.0	1861.2	1907.6	1854.0	1783.9	1739.4	1701.5	1702.8
37.5°	1850.7	1858.5	1891.3	1960.6	2049.6	2111.8	2033.3	1940.3	1882.8	1835.6	1832.4
40°	2014.9	2024.1	2068.6	2151.1	2259.0	2316.0	2225.0	2129.5	2058.1	2007.1	1999.2
42.5°	2203.4	2215.2	2263.6	2348.0	2456.0	2494.6	2405.6	2325.1	2261.0	2200.8	2198.2
45°	2416.1	2422.6	2461.9	2526.7	2604.6	2613.7	2547.0	2502.5	2437.7	2381.4	2376.8
47.5°	2615.7	2622.2	2649.1	2682.4	2700.8	2668.0	2656.3	2636.6	2552.9	2483.5	2469.1
50°	2767.5	2772.8	2806.1	2819.2	2768.2	2698.8	2721.7	2679.8	2588.9	2511.0	2488.7
52.5°	2757.0	2770.1	2855.9	2930.5	2898.4	2842.1	2780.6	2690.3	2548.9	2442.3	2414.8
55°	2373.6	2391.2	2575.1	2820.5	3039.8	3064.0	2817.9	2526.7	2261.0	2104.6	2076.5
57.5°	1525.4	1530.0	1754.5	2098.7	2592.8	2748.5	2336.9	1905.0	1574.5	1402.4	1390.6
60°	560.8	551.7	721.2	1006.5	1493.4	1658.3	1375.6	963.3	687.1	565.4	555.6
62.5°	134.8	136.1	168.8	253.3	468.6	579.8	458.1	255.9	162.9	136.8	135.5
65°	68.1	66.8	67.4	72.6	100.1	119.8	98.2	69.4	66.8	67.4	66.8
67.5°	43.8	43.2	44.5	45.2	44.5	41.9	41.2	42.5	42.5	43.2	41.9
70°	26.8	26.2	27.5	29.4	28.1	24.9	26.2	27.5	26.2	25.5	25.5
72.5°	14.4	14.4	15.7	17.0	15.7	14.4	14.4	15.1	14.4	14.4	14.4
75°	6.5	6.5	7.2	7.9	6.5	6.5	6.5	6.5	6.5	6.5	6.5
77.5°	2.0	2.0	2.6	2.6	2.0	2.0	2.0	2.0	2.6	2.6	2.6
80°	0.7	1.3	1.3	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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)