

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: P634550

Luminaire Tested: GWS-SA3C-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10640.9 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

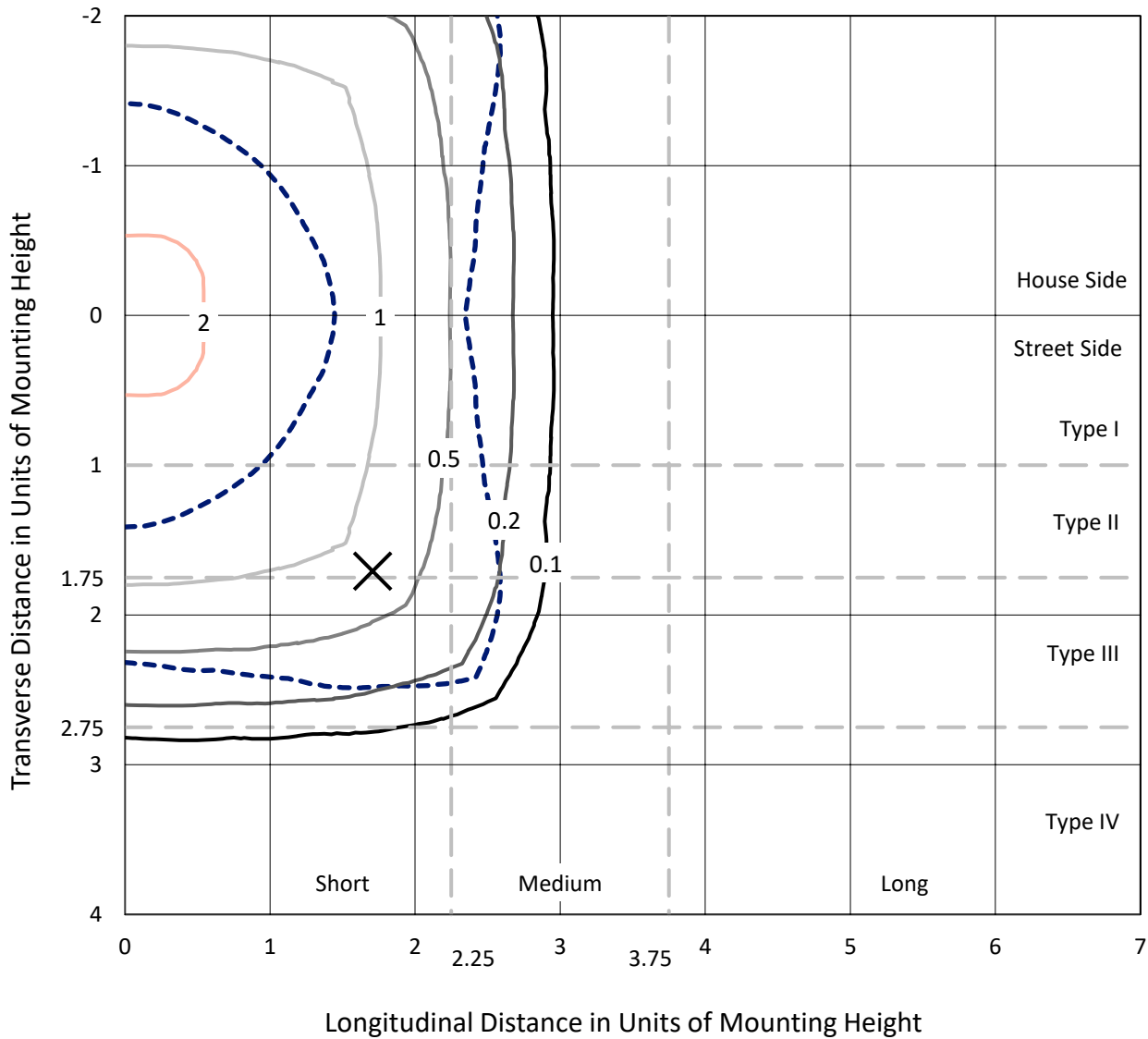
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

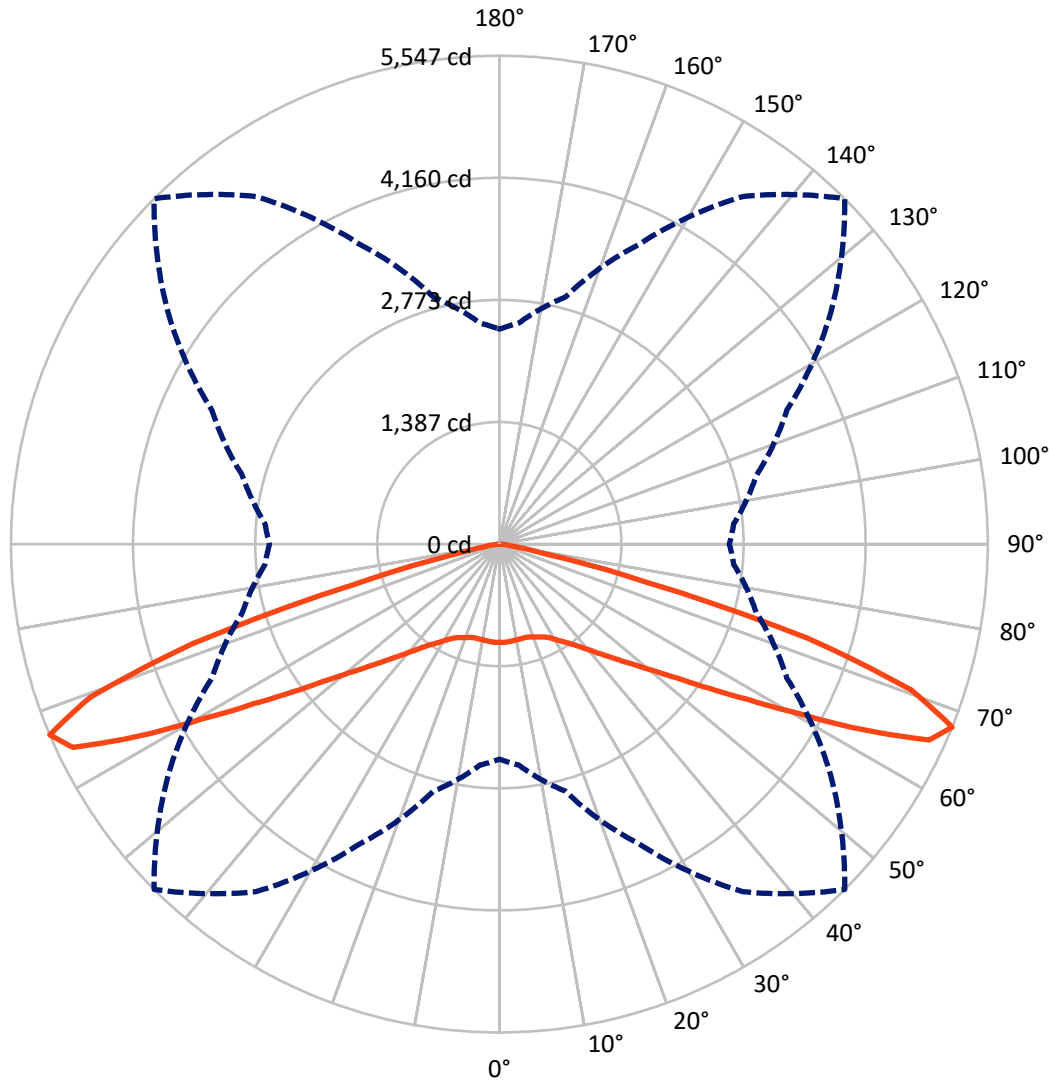
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5320.5	0.0	5320.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5320.5	0.0	5320.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10640.9	0.0	10640.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	1.0
10°-20°	309.8	2.9
20°-30°	534.3	5.0
30°-40°	868.8	8.2
40°-50°	1462.9	13.7
50°-60°	2592.0	24.4
60°-70°	3705.1	34.8
70°-80°	1016.9	9.6
80°-90°	45.6	0.4
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°	10640.9	100.0
0°-180°	10640.9	100.0

Coefficient of Utilization



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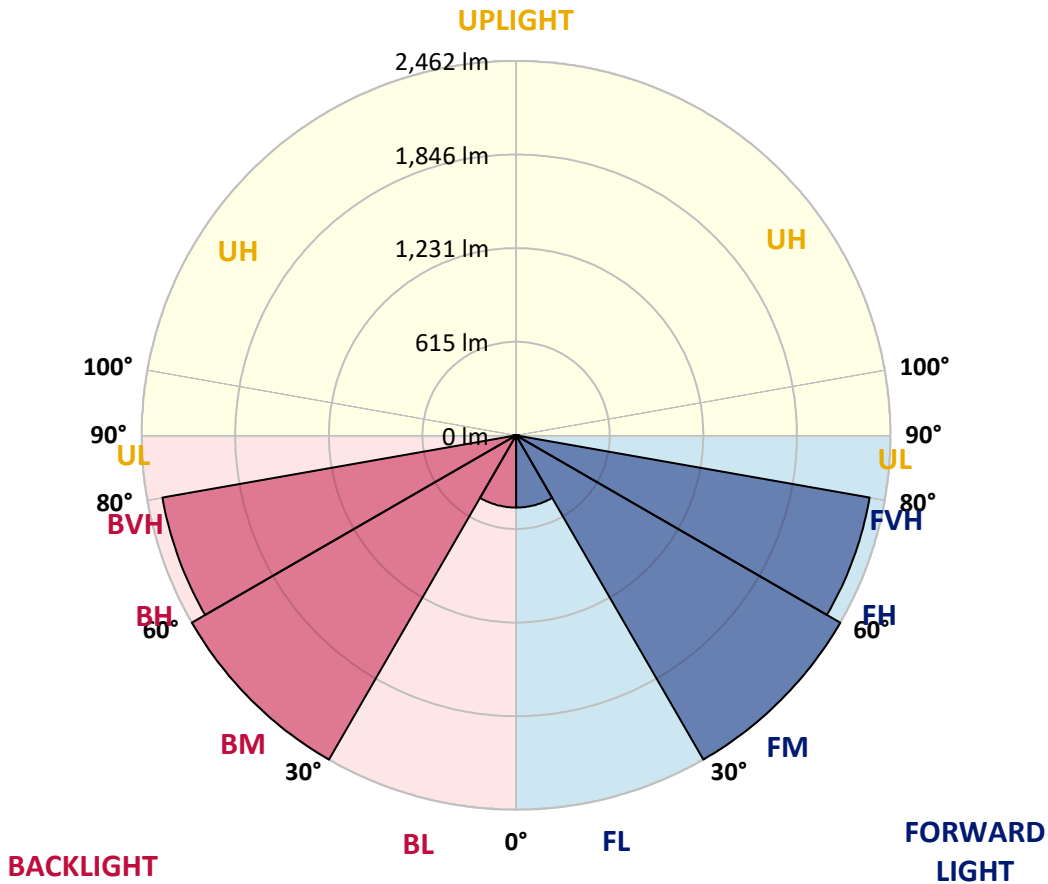
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.8	4.5			
FM (30°-60°)	2461.9	23.1			
FH (60°-80°)	2361.0	22.2			G2/5000
FVH (80°-90°)	22.8	0.2			G1/100
BL (0°-30°)	474.8	4.5	B1/500		
BM (30°-60°)	2461.9	23.1	B2/2500		
BH (60°-80°)	2361.0	22.2	B3/2500		G2/5000
BVH (80°-90°)	22.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4	1114.4
2.5°	1107.1	1106.3	1110.0	1112.2	1111.5	1116.7	1115.9	1114.4	1114.4	1112.2	1118.1
5°	1107.1	1106.3	1109.3	1110.0	1108.6	1113.0	1111.5	1110.0	1110.0	1107.1	1112.2
7.5°	1101.2	1101.9	1104.1	1105.6	1104.1	1107.8	1105.6	1102.7	1101.9	1099.0	1104.1
10°	1090.1	1090.9	1093.1	1096.8	1097.5	1104.1	1100.5	1095.3	1093.1	1090.1	1095.3
12.5°	1083.5	1084.2	1086.5	1090.9	1092.3	1101.2	1097.5	1089.4	1085.7	1082.8	1087.9
15°	1082.0	1082.8	1085.7	1090.1	1092.3	1101.2	1097.5	1087.9	1082.8	1079.1	1083.5
17.5°	1082.0	1083.5	1087.9	1094.6	1099.0	1107.8	1103.4	1092.3	1085.0	1078.4	1082.8
20°	1082.8	1085.0	1091.6	1101.2	1112.2	1124.8	1118.9	1104.1	1093.8	1085.7	1088.7
22.5°	1089.4	1093.1	1101.2	1113.7	1129.9	1144.6	1139.5	1119.6	1104.9	1093.8	1096.8
25°	1112.2	1113.7	1124.0	1140.2	1155.7	1168.2	1163.1	1144.6	1126.2	1113.0	1116.7
27.5°	1152.7	1156.4	1165.3	1182.2	1195.5	1202.1	1201.4	1188.8	1170.4	1158.6	1161.6
30°	1201.4	1205.0	1216.8	1236.0	1249.2	1256.6	1254.4	1244.8	1227.9	1211.7	1214.6
32.5°	1258.1	1259.6	1273.5	1294.9	1308.9	1320.0	1312.6	1302.3	1280.9	1261.8	1263.2
35°	1330.3	1332.5	1347.2	1367.1	1378.1	1387.0	1385.5	1375.2	1352.4	1331.7	1336.9
37.5°	1420.9	1422.3	1435.6	1460.6	1469.5	1476.1	1477.6	1472.4	1448.9	1422.3	1427.5
40°	1533.6	1534.3	1549.0	1571.1	1580.7	1585.1	1585.9	1586.6	1562.3	1542.4	1540.9
42.5°	1664.7	1668.4	1689.0	1710.3	1714.8	1712.6	1719.9	1727.3	1703.7	1676.5	1678.7
45°	1821.6	1823.8	1851.8	1875.3	1867.2	1859.9	1873.9	1888.6	1867.2	1831.9	1821.6
47.5°	2007.2	2011.6	2041.8	2065.4	2052.1	2038.9	2061.7	2077.2	2042.5	2005.0	1995.4
50°	2217.1	2220.1	2262.8	2292.2	2276.8	2252.5	2281.2	2297.4	2251.0	2204.6	2184.0
52.5°	2465.3	2459.4	2516.2	2567.7	2558.1	2526.5	2550.0	2553.0	2483.8	2418.2	2397.6
55°	2768.1	2762.2	2818.9	2875.6	2899.2	2891.1	2880.0	2862.4	2760.0	2690.0	2670.8
57.5°	3120.9	3102.5	3182.0	3258.6	3310.2	3324.9	3277.8	3236.5	3155.5	3069.3	3047.2
60°	3448.7	3447.9	3573.9	3706.5	3847.9	3906.8	3787.5	3675.5	3493.6	3336.7	3305.0
62.5°	3540.7	3556.2	3762.5	4091.0	4440.1	4648.6	4334.0	3963.5	3612.2	3375.7	3333.8
65°	3313.9	3352.2	3645.3	4163.9	4853.3	5363.0	4653.0	3970.2	3480.3	3185.7	3141.5
67.5°	2442.5	2519.1	2907.3	3757.3	4818.0	5546.5	4596.3	3602.6	3022.9	2672.3	2611.2
70°	1205.0	1278.0	1585.9	2472.0	3964.3	4957.9	3976.8	2715.0	2041.8	1704.4	1648.5
72.5°	443.4	472.9	593.7	1057.7	2187.6	3662.3	2719.5	1516.6	989.2	787.4	749.8
75°	217.3	222.4	240.9	355.0	807.3	1723.6	1278.0	581.9	363.9	316.7	306.4
77.5°	138.5	140.7	149.5	169.4	259.3	542.9	387.4	229.8	178.3	170.9	170.9
80°	77.3	79.6	91.3	105.3	121.5	186.4	139.2	137.7	117.1	102.4	100.2
82.5°	36.8	40.5	58.2	57.5	64.1	93.5	81.8	74.4	75.1	56.7	53.8
85°	16.9	16.9	22.8	27.3	28.7	31.7	37.6	42.7	42.0	28.7	30.9
87.5°	8.1	8.1	8.1	7.4	6.6	5.9	8.1	13.3	19.2	13.3	12.5
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)