

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: P633065

Luminaire Tested: GWS-SA2E-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633065
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-SA2E-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11130.2 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

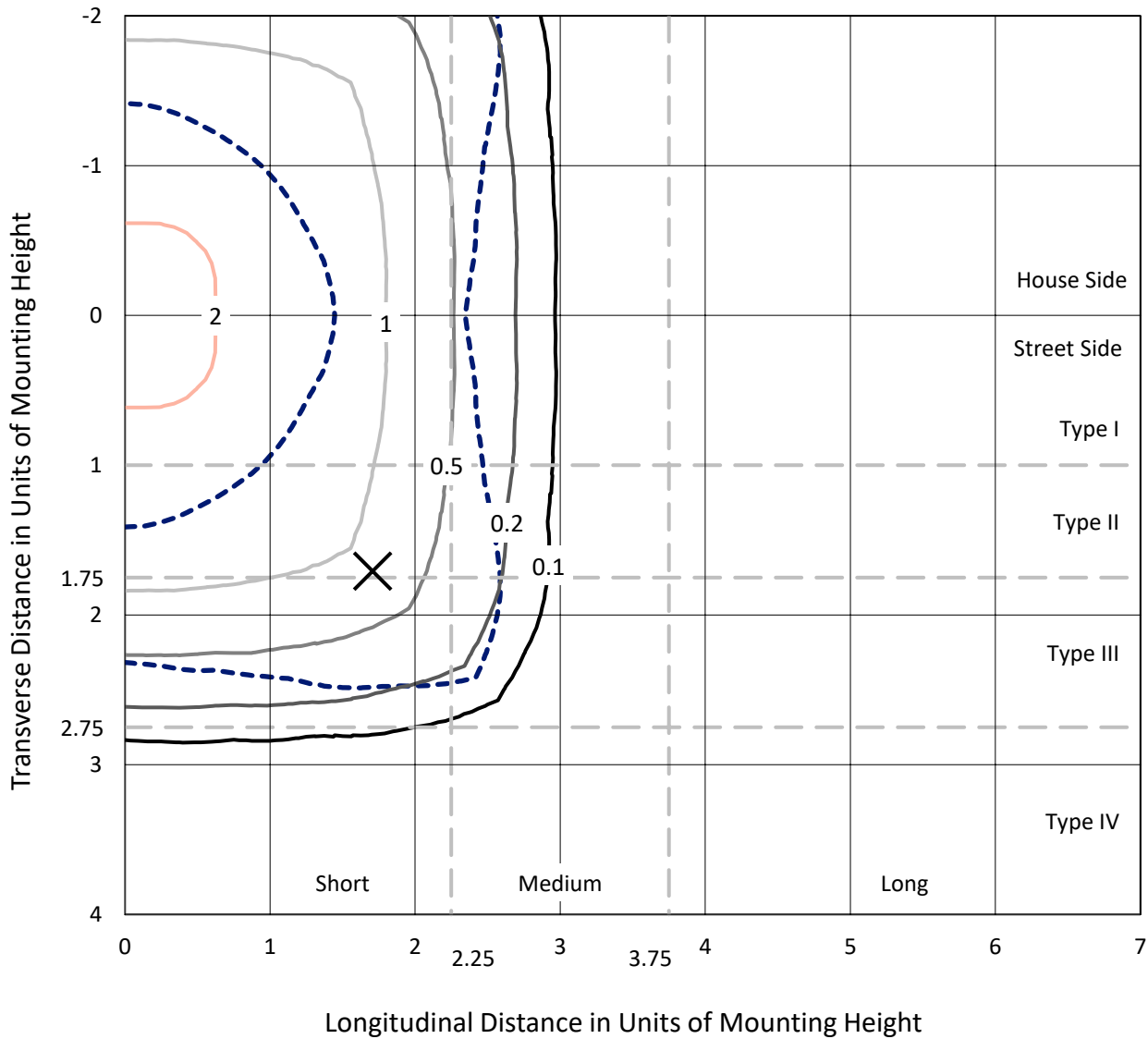
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

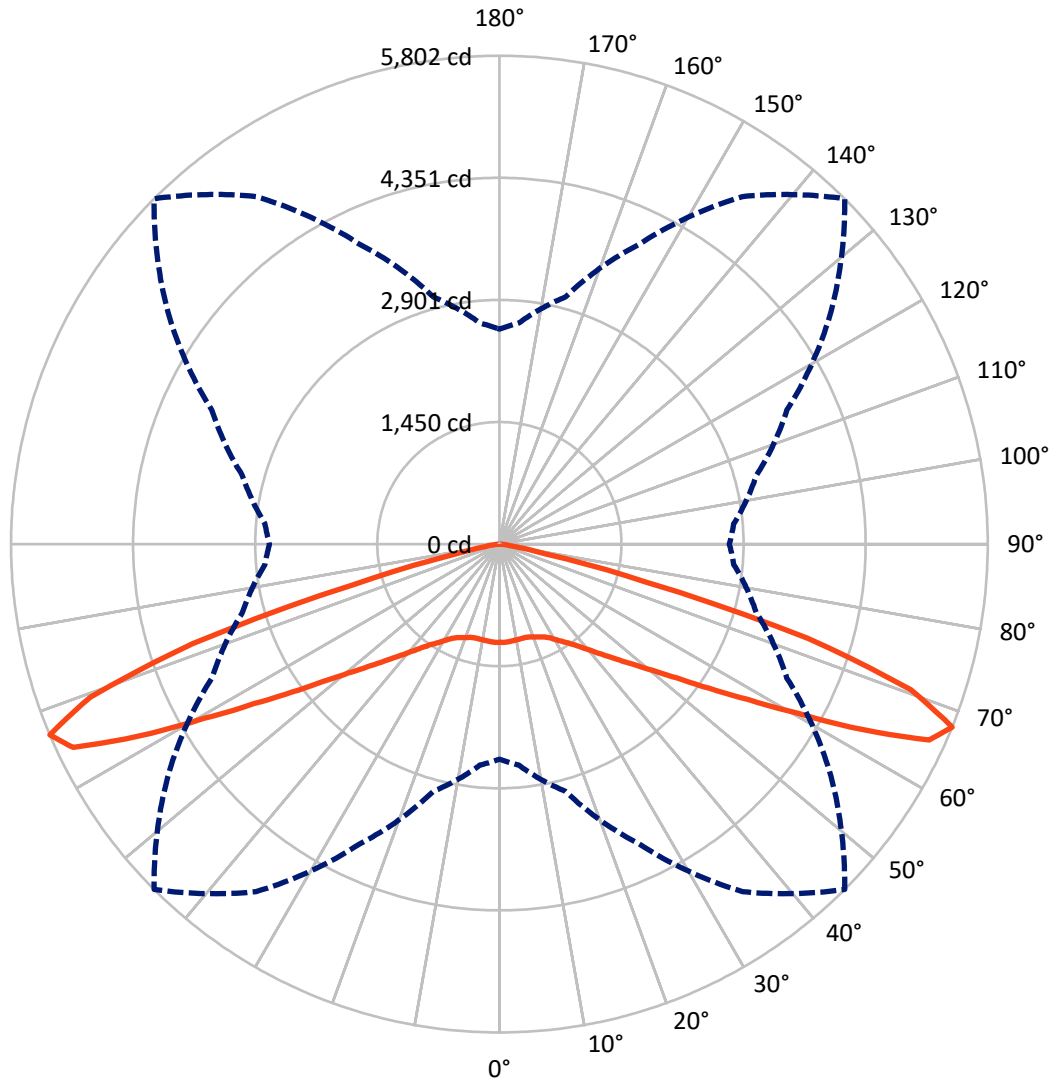
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.9 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	5565.1	0.0	5565.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5565.1	0.0	5565.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	11130.2	0.0	11130.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	1.0
10°-20°	324.0	2.9
20°-30°	558.9	5.0
30°-40°	908.8	8.2
40°-50°	1530.2	13.7
50°-60°	2711.2	24.4
60°-70°	3875.5	34.8
70°-80°	1063.7	9.6
80°-90°	47.7	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°	11130.2	100.0
0°-180°	11130.2	100.0

Coefficient of Utilization



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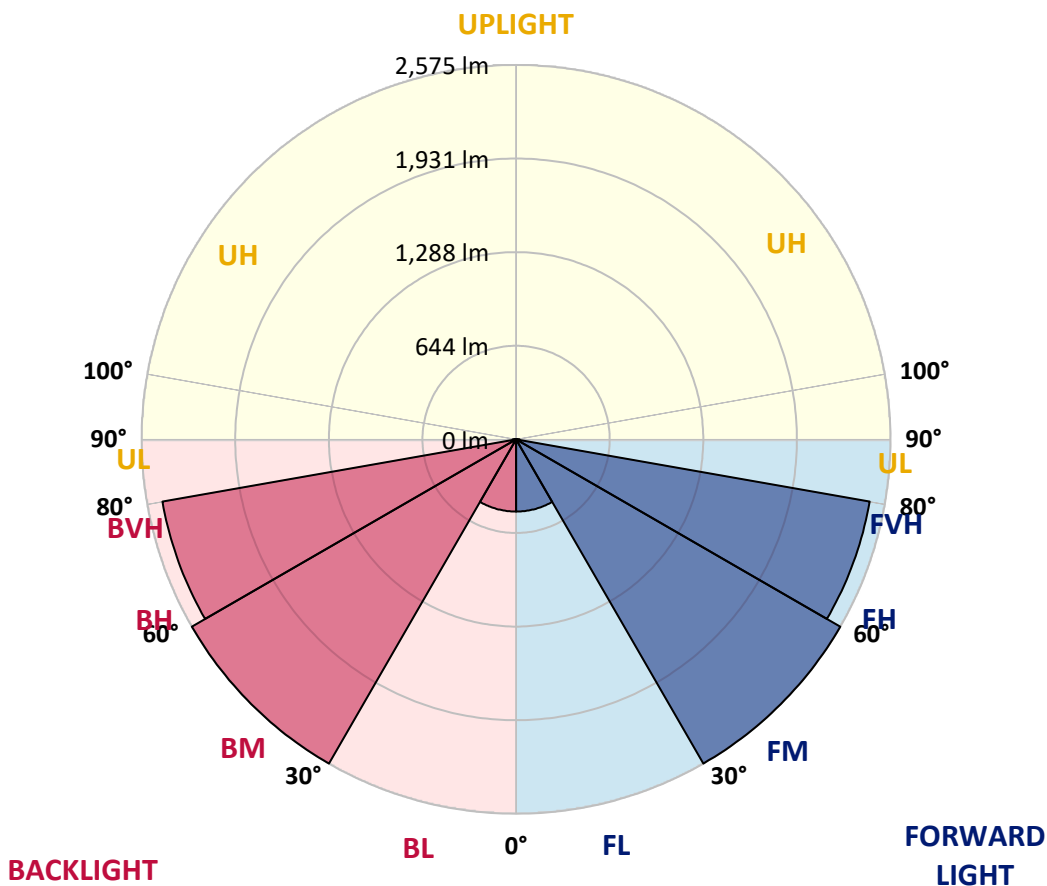
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	496.6	4.5			
FM (30°-60°)	2575.1	23.1			
FH (60°-80°)	2469.6	22.2			G2/5000
FVH (80°-90°)	23.8	0.2			G1/100
BL (0°-30°)	496.6	4.5	B1/500		
BM (30°-60°)	2575.1	23.1	B3/5000		
BH (60°-80°)	2469.6	22.2	B3/2500		G2/5000
BVH (80°-90°)	23.8	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°	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7
2.5°	1158.0	1157.2	1161.1	1163.4	1162.6	1168.0	1167.2	1165.7	1165.7	1163.4	1169.5
5°	1158.0	1157.2	1160.3	1161.1	1159.5	1164.2	1162.6	1161.1	1161.1	1158.0	1163.4
7.5°	1151.8	1152.6	1154.9	1156.4	1154.9	1158.8	1156.4	1153.4	1152.6	1149.5	1154.9
10°	1140.3	1141.0	1143.3	1147.2	1148.0	1154.9	1151.1	1145.7	1143.3	1140.3	1145.7
12.5°	1133.3	1134.1	1136.4	1141.0	1142.6	1151.8	1148.0	1139.5	1135.6	1132.6	1138.0
15°	1131.8	1132.6	1135.6	1140.3	1142.6	1151.8	1148.0	1138.0	1132.6	1128.7	1133.3
17.5°	1131.8	1133.3	1138.0	1144.9	1149.5	1158.8	1154.1	1142.6	1134.9	1127.9	1132.6
20°	1132.6	1134.9	1141.8	1151.8	1163.4	1176.5	1170.3	1154.9	1144.1	1135.6	1138.7
22.5°	1139.5	1143.3	1151.8	1164.9	1181.9	1197.3	1191.9	1171.1	1155.7	1144.1	1147.2
25°	1163.4	1164.9	1175.7	1192.7	1208.8	1221.9	1216.5	1197.3	1178.0	1164.2	1168.0
27.5°	1205.8	1209.6	1218.9	1236.6	1250.4	1257.4	1256.6	1243.5	1224.2	1211.9	1215.0
30°	1256.6	1260.5	1272.8	1292.8	1306.7	1314.4	1312.1	1302.1	1284.3	1267.4	1270.5
32.5°	1315.9	1317.5	1332.1	1354.5	1369.1	1380.6	1372.9	1362.2	1339.8	1319.8	1321.3
35°	1391.4	1393.7	1409.2	1430.0	1441.5	1450.8	1449.2	1438.4	1414.5	1393.0	1398.4
37.5°	1486.2	1487.7	1501.6	1527.8	1537.0	1544.0	1545.5	1540.1	1515.5	1487.7	1493.1
40°	1604.1	1604.8	1620.3	1643.4	1653.4	1658.0	1658.8	1659.6	1634.1	1613.3	1611.8
42.5°	1741.2	1745.1	1766.6	1789.0	1793.6	1791.3	1799.0	1806.7	1782.1	1753.5	1755.9
45°	1905.3	1907.6	1936.9	1961.6	1953.1	1945.4	1960.0	1975.4	1953.1	1916.1	1905.3
47.5°	2099.5	2104.1	2135.7	2160.3	2146.5	2132.6	2156.5	2172.7	2136.5	2097.2	2087.2
50°	2319.1	2322.1	2366.8	2397.6	2381.5	2356.0	2386.1	2403.0	2354.5	2306.0	2284.4
52.5°	2578.7	2572.5	2631.9	2685.8	2675.8	2642.6	2667.3	2670.4	2598.0	2529.4	2507.8
55°	2895.4	2889.2	2948.5	3007.8	3032.5	3024.0	3012.5	2994.0	2886.9	2813.7	2793.7
57.5°	3264.4	3245.1	3328.3	3408.5	3462.4	3477.8	3428.5	3385.4	3300.6	3210.5	3187.4
60°	3607.3	3606.5	3738.2	3876.9	4024.8	4086.5	3961.7	3844.6	3654.2	3490.1	3457.0
62.5°	3703.6	3719.7	3935.5	4279.1	4644.3	4862.3	4533.3	4145.8	3778.3	3531.0	3487.1
65°	3466.3	3506.3	3813.0	4355.4	5076.5	5609.7	4866.9	4152.7	3640.4	3332.2	3286.0
67.5°	2554.8	2634.9	3041.0	3930.1	5039.5	5801.5	4807.6	3768.3	3161.9	2795.2	2731.2
70°	1260.5	1336.7	1658.8	2585.6	4146.6	5185.9	4159.7	2839.9	2135.7	1782.8	1724.3
72.5°	463.8	494.6	621.0	1106.4	2288.2	3830.7	2844.5	1586.4	1034.7	823.6	784.3
75°	227.3	232.7	251.9	371.4	844.4	1802.9	1336.7	608.7	380.6	331.3	320.5
77.5°	144.8	147.2	156.4	177.2	271.2	567.8	405.3	240.4	186.4	178.7	178.7
80°	80.9	83.2	95.5	110.2	127.1	194.9	145.6	144.1	122.5	107.1	104.8
82.5°	38.5	42.4	60.9	60.1	67.0	97.8	85.5	77.8	78.6	59.3	56.2
85°	17.7	17.7	23.9	28.5	30.0	33.1	39.3	44.7	43.9	30.0	32.4
87.5°	8.5	8.5	8.5	7.7	6.9	6.2	8.5	13.9	20.0	13.9	13.1
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)