

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: P633063

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6566.7 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

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

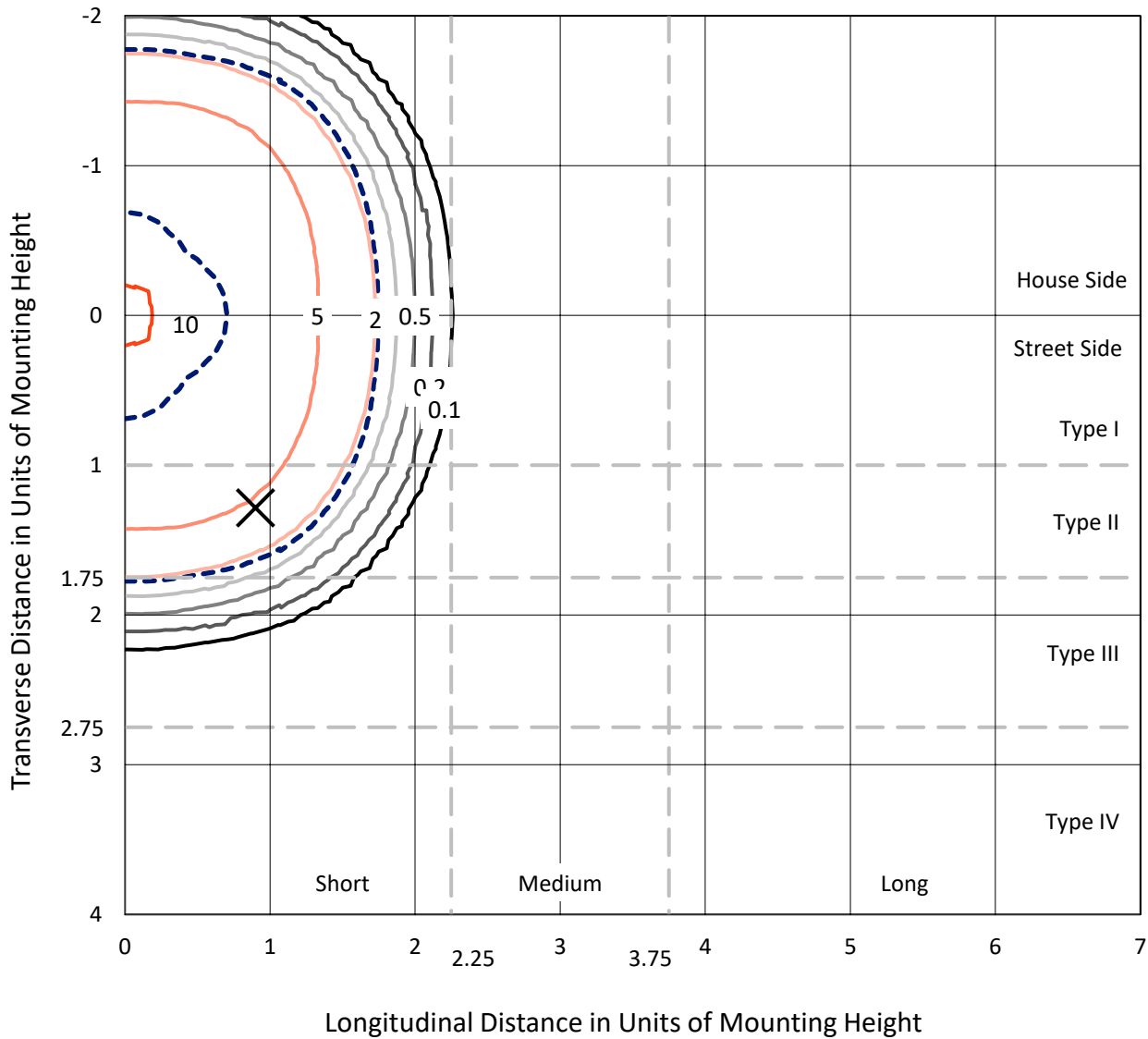


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Iso-Footcandle Lines of Horizontal Illumination

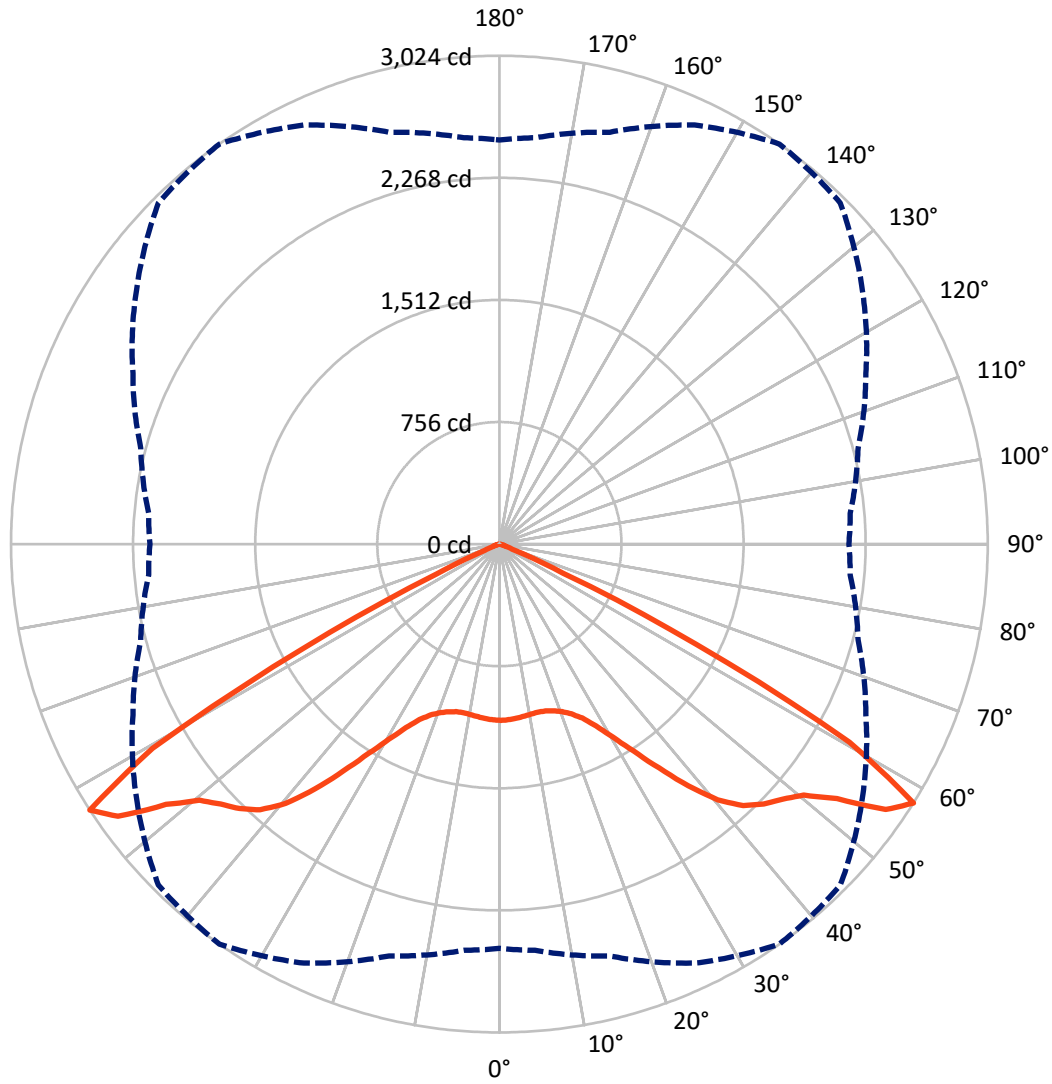
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3283.4	0.0	3283.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3283.4	0.0	3283.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	6566.7	0.0	6566.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	1.6
10°-20°	302.6	4.6
20°-30°	546.9	8.3
30°-40°	1020.3	15.5
40°-50°	1711.6	26.1
50°-60°	2260.4	34.4
60°-70°	600.3	9.1
70°-80°	21.3	0.3
80°-90°	0.4	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°	6566.7	100.0
0°-180°	6566.7	100.0

Coefficient of Utilization



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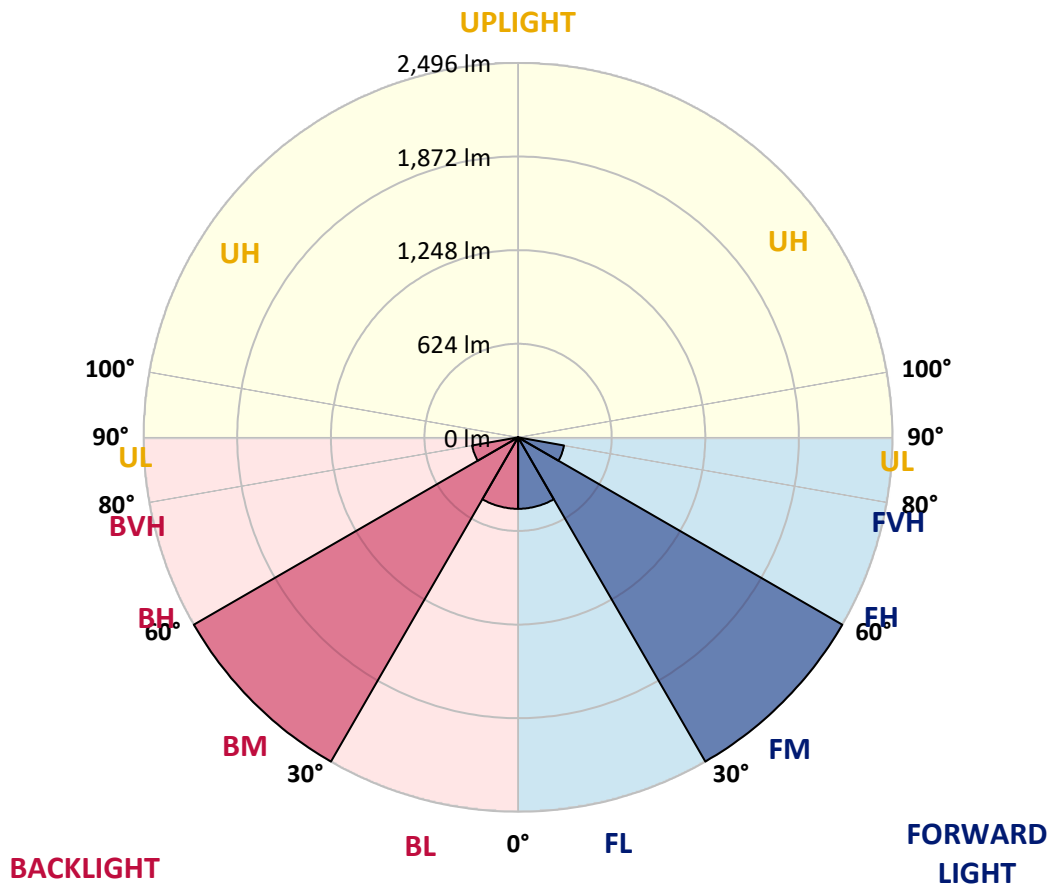
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	476.2	7.3			
FM (30°-60°)	2496.2	38.0			
FH (60°-80°)	310.8	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	476.2	7.3	B1/500		
BM (30°-60°)	2496.2	38.0	B2/2500		
BH (60°-80°)	310.8	4.7	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: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8	1091.8
2.5°	1084.1	1083.3	1086.4	1088.7	1088.7	1094.1	1092.5	1091.0	1089.5	1087.2	1092.5
5°	1082.5	1081.8	1084.1	1085.6	1084.1	1088.7	1085.6	1082.5	1081.0	1077.9	1084.1
7.5°	1075.6	1076.4	1077.9	1079.4	1077.1	1081.0	1077.1	1072.5	1068.7	1065.6	1071.0
10°	1064.8	1065.6	1067.1	1070.2	1071.0	1076.4	1071.0	1062.5	1057.1	1052.5	1057.9
12.5°	1059.4	1060.2	1062.5	1066.3	1067.1	1074.1	1067.1	1054.8	1047.1	1041.7	1047.1
15°	1061.0	1062.5	1065.6	1070.2	1071.7	1078.7	1069.4	1053.2	1042.5	1035.5	1040.2
17.5°	1066.3	1067.9	1072.5	1080.2	1085.6	1092.5	1081.0	1060.2	1045.5	1035.5	1040.2
20°	1073.3	1075.6	1083.3	1095.6	1107.2	1119.5	1104.9	1076.4	1057.1	1044.8	1048.6
22.5°	1092.5	1094.9	1105.6	1121.8	1141.1	1156.5	1138.8	1102.6	1076.4	1060.2	1064.0
25°	1131.8	1134.1	1148.0	1168.8	1193.5	1213.5	1191.2	1145.7	1111.8	1093.3	1094.9
27.5°	1193.5	1195.8	1212.0	1241.2	1274.4	1302.9	1270.5	1217.4	1178.8	1157.3	1157.3
30°	1271.3	1274.4	1296.0	1335.2	1386.9	1424.6	1380.7	1316.0	1266.7	1237.4	1238.2
32.5°	1371.5	1368.4	1399.2	1453.1	1526.3	1576.4	1511.7	1433.1	1372.2	1331.4	1335.2
35°	1500.1	1499.4	1534.0	1607.2	1702.8	1762.9	1685.8	1584.1	1510.9	1469.3	1470.1
37.5°	1665.8	1665.0	1705.1	1784.4	1899.2	1949.3	1863.0	1759.8	1681.2	1641.1	1645.7
40°	1859.9	1855.3	1890.8	1967.0	2081.8	2114.2	2020.2	1937.0	1861.5	1836.1	1848.4
42.5°	2044.9	2034.8	2055.6	2125.0	2213.6	2218.2	2147.3	2090.3	2038.7	2018.7	2026.4
45°	2193.6	2185.9	2205.1	2245.2	2296.0	2272.9	2239.0	2221.3	2179.7	2158.1	2165.1
47.5°	2304.5	2304.5	2327.6	2352.3	2360.0	2317.6	2323.0	2323.0	2281.4	2247.5	2239.0
50°	2400.1	2407.0	2441.7	2467.1	2441.7	2387.7	2418.5	2412.4	2327.6	2259.8	2242.1
52.5°	2552.6	2559.5	2612.7	2647.4	2618.9	2565.7	2569.6	2492.5	2367.7	2287.6	2259.8
55°	2714.4	2731.4	2808.4	2900.9	2901.6	2846.9	2745.2	2608.9	2457.1	2370.0	2341.5
57.5°	2502.5	2525.6	2640.4	2863.1	3024.1	2986.4	2743.7	2504.1	2299.1	2180.5	2164.3
60°	1722.0	1762.1	1876.9	2181.2	2491.7	2506.4	2219.8	1950.9	1715.9	1569.5	1572.6
62.5°	727.3	768.2	832.9	1083.3	1368.4	1386.1	1247.4	1054.8	862.9	757.4	773.6
65°	171.0	182.6	201.9	299.7	434.6	454.6	419.1	326.7	241.2	204.2	208.0
67.5°	74.7	76.3	72.4	77.0	95.5	97.9	94.8	83.2	78.6	80.1	80.1
70°	52.4	53.2	50.1	47.8	45.5	42.4	43.9	48.5	52.4	55.5	54.7
72.5°	32.4	33.1	33.9	33.9	31.6	28.5	30.0	33.1	33.9	34.7	33.9
75°	16.2	17.0	18.5	19.3	18.5	17.7	17.7	18.5	18.5	17.7	17.7
77.5°	3.1	3.9	5.4	6.2	6.2	6.2	6.2	6.2	6.9	6.2	6.2
80°	0.8	0.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
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)