

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: P631308

Luminaire Tested: GWS-SA1F-740-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631308
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-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8805.7 lumens
Efficiency: N/A
Efficacy: 131.0 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

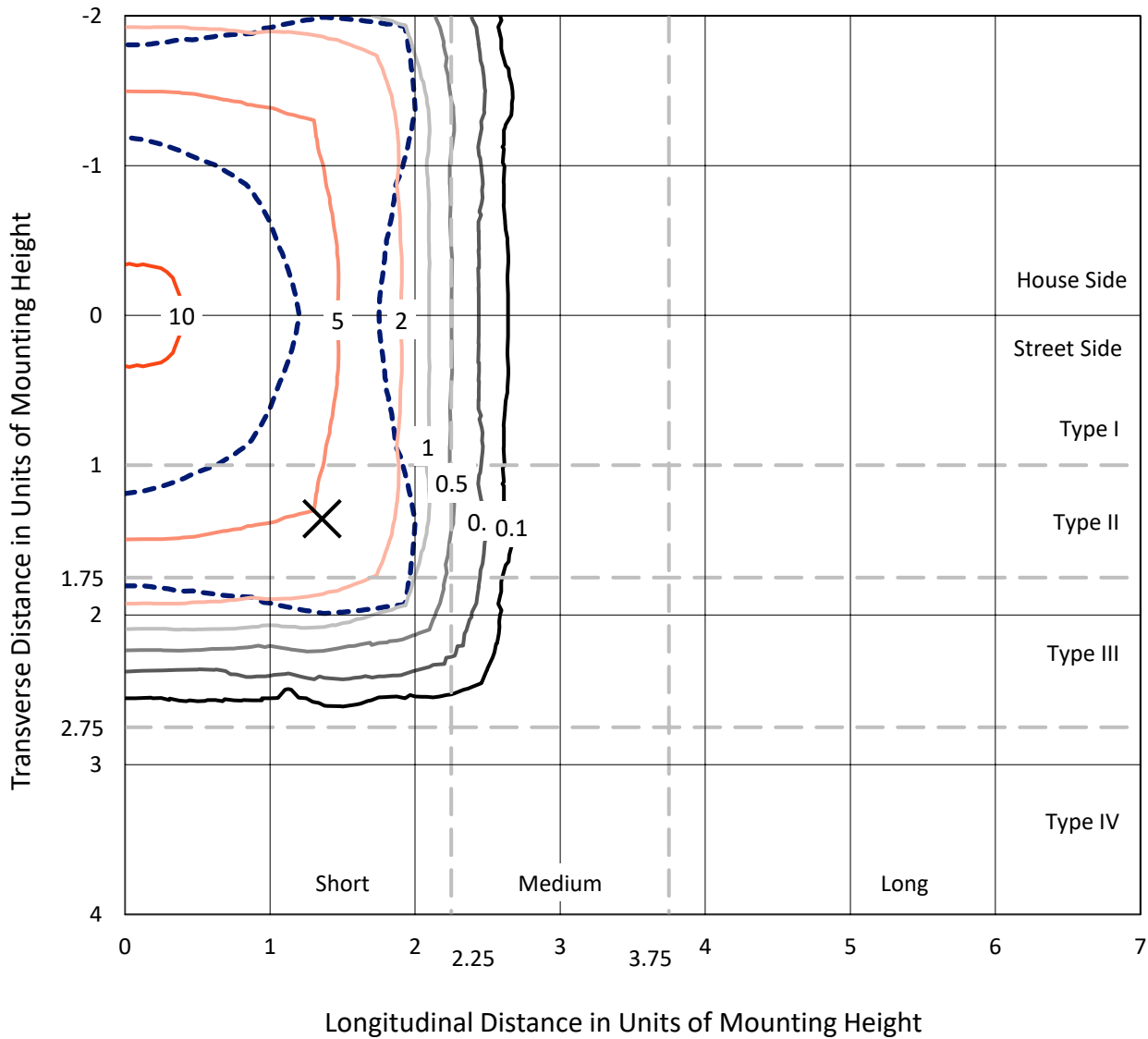
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

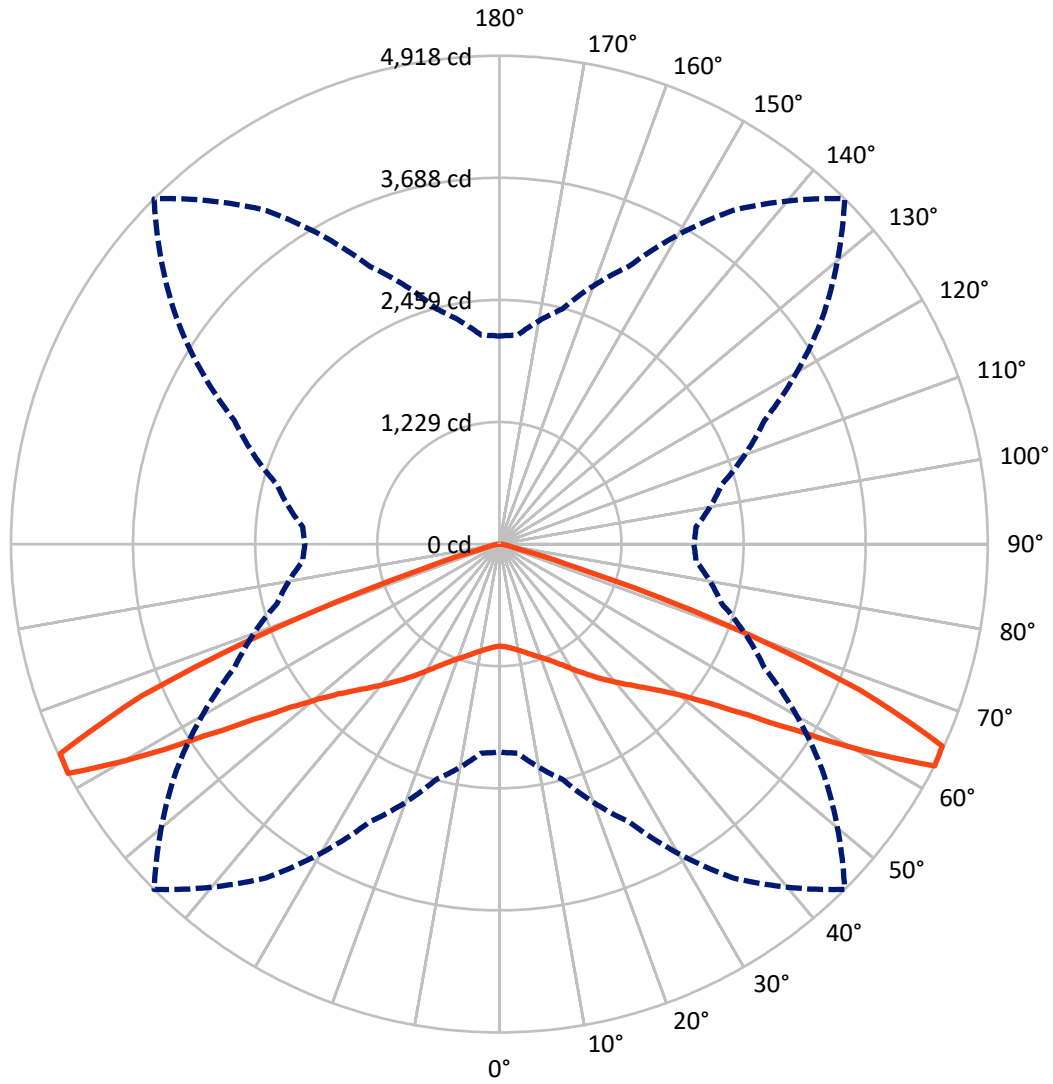
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 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	4402.9	0.0	4402.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4402.9	0.0	4402.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8805.7	0.0	8805.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.8	1.1
10°-20°	325.0	3.7
20°-30°	614.9	7.0
30°-40°	1035.0	11.8
40°-50°	1653.7	18.8
50°-60°	2665.6	30.3
60°-70°	2174.8	24.7
70°-80°	211.2	2.4
80°-90°	24.6	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°	8805.7	100.0
0°-180°	8805.7	100.0

Coefficient of Utilization



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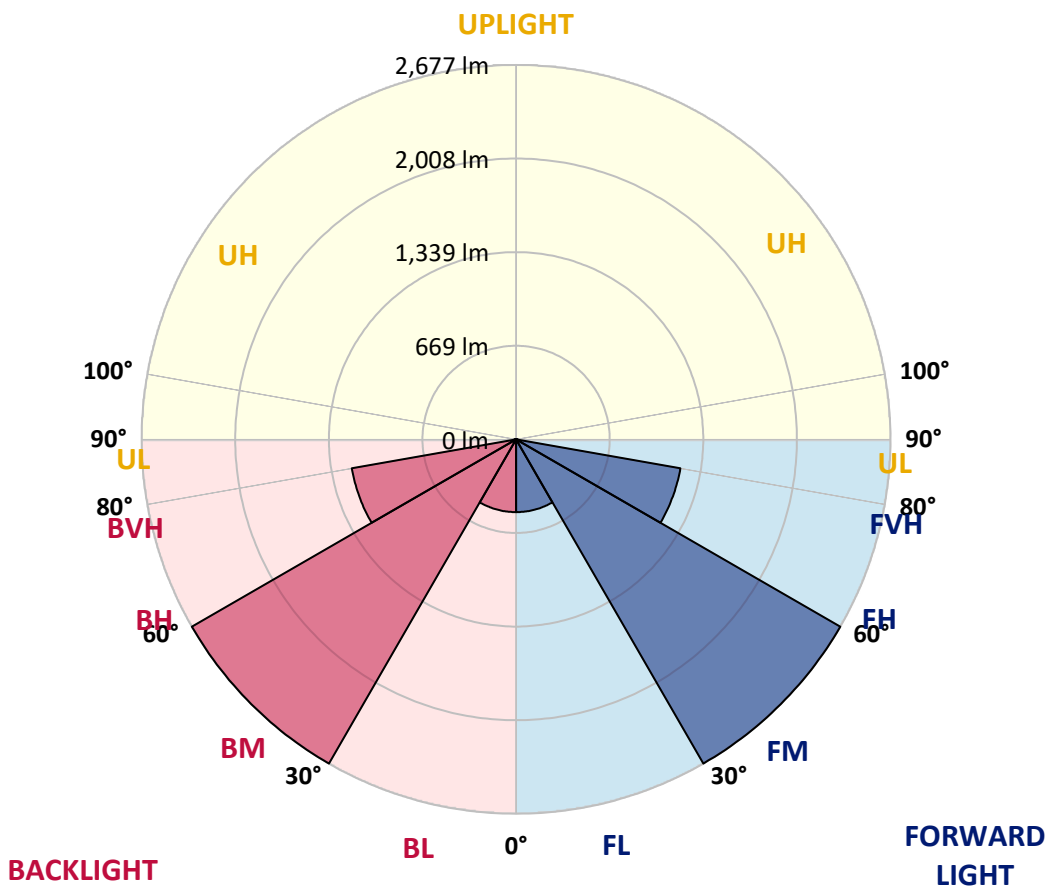
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	520.4	5.9			
FM (30°-60°)	2677.2	30.4			
FH (60°-80°)	1193.0	13.5			G1/1800
FVH (80°-90°)	12.3	0.1			G1/100
BL (0°-30°)	520.4	5.9	B2/1000		
BM (30°-60°)	2677.2	30.4	B3/5000		
BH (60°-80°)	1193.0	13.5	B3/2500		G1/1800
BVH (80°-90°)	12.3	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°	1027.3	1027.3	1027.3	1027.3	1027.3	1027.3	1027.3	1027.3	1027.3	1027.3	1027.3
2.5°	1026.1	1026.1	1028.5	1030.3	1029.1	1033.9	1033.3	1032.1	1031.5	1029.7	1035.2
5°	1040.0	1040.0	1041.8	1043.6	1040.6	1046.6	1044.2	1043.0	1042.4	1040.0	1044.8
7.5°	1055.7	1057.5	1058.1	1061.1	1059.3	1066.0	1064.1	1061.7	1060.5	1057.5	1061.7
10°	1073.2	1074.4	1075.0	1080.5	1081.1	1088.9	1087.1	1084.1	1081.7	1078.6	1084.7
12.5°	1096.8	1097.4	1099.2	1105.8	1107.6	1113.7	1113.1	1108.8	1105.8	1101.6	1108.2
15°	1127.0	1127.6	1130.6	1137.2	1140.2	1147.5	1145.1	1138.4	1134.2	1129.4	1134.8
17.5°	1158.4	1160.8	1163.8	1170.4	1174.7	1183.1	1180.1	1172.9	1169.2	1164.4	1168.0
20°	1198.8	1199.4	1201.2	1208.5	1211.5	1221.2	1221.8	1214.5	1212.7	1207.9	1213.3
22.5°	1243.5	1244.1	1245.9	1253.8	1259.2	1265.3	1268.9	1264.7	1261.6	1255.6	1262.2
25°	1293.0	1299.1	1300.9	1310.6	1316.6	1320.2	1324.4	1322.6	1318.4	1311.2	1314.2
27.5°	1362.5	1363.7	1366.7	1377.6	1381.2	1384.8	1389.1	1389.7	1383.6	1375.2	1379.4
30°	1441.6	1441.0	1447.6	1456.1	1459.1	1462.1	1468.2	1471.8	1464.0	1454.9	1459.1
32.5°	1522.5	1529.8	1538.2	1546.1	1544.3	1545.5	1555.1	1561.8	1550.9	1534.6	1538.2
35°	1613.7	1618.6	1629.4	1640.9	1638.5	1636.7	1642.7	1649.4	1634.3	1613.1	1618.6
37.5°	1707.3	1714.6	1730.9	1744.8	1741.2	1732.7	1739.4	1746.6	1732.1	1707.9	1705.5
40°	1811.8	1823.3	1846.9	1858.3	1848.7	1832.4	1843.8	1861.3	1846.9	1819.1	1812.4
42.5°	1934.4	1948.3	1971.9	1989.4	1968.2	1941.7	1961.0	1986.4	1982.7	1945.9	1934.4
45°	2086.0	2095.1	2124.1	2132.5	2101.1	2064.3	2099.3	2138.0	2128.9	2089.0	2073.9
47.5°	2250.9	2264.8	2290.1	2305.8	2255.1	2209.2	2258.1	2310.1	2300.4	2263.0	2245.5
50°	2461.1	2479.2	2512.4	2525.7	2455.6	2403.1	2465.9	2531.7	2513.0	2462.9	2439.9
52.5°	2690.0	2704.4	2761.2	2787.8	2722.0	2665.2	2720.2	2784.8	2744.9	2678.5	2647.7
55°	2891.7	2906.2	2989.5	3077.7	3074.7	3035.4	3063.2	3064.4	2956.3	2846.4	2813.8
57.5°	2935.2	2949.6	3108.5	3339.2	3502.3	3547.5	3466.0	3294.5	3022.1	2829.5	2792.6
60°	2703.2	2719.5	2972.0	3393.5	3929.8	4232.4	3856.8	3289.7	2818.6	2557.7	2522.7
62.5°	2094.5	2112.0	2451.4	3084.3	4102.6	4917.9	3970.3	2943.6	2318.5	1988.2	1957.4
65°	1000.1	1000.1	1431.3	2212.2	3758.3	4901.6	3641.8	2177.8	1395.7	1072.0	1045.4
67.5°	247.6	248.8	368.4	861.2	2556.5	3911.7	2598.2	1045.4	491.6	347.9	338.8
70°	154.6	154.0	170.9	233.1	894.4	2374.1	1062.3	315.3	199.9	176.4	175.1
72.5°	120.2	120.2	128.6	149.2	234.3	808.7	309.8	175.1	144.9	130.5	130.5
75°	94.8	94.8	100.9	111.7	138.3	208.4	164.9	129.8	112.3	102.7	101.5
77.5°	70.7	71.9	76.7	83.9	94.2	117.2	104.5	97.8	87.6	80.3	77.9
80°	45.9	47.7	53.8	58.0	61.6	77.3	68.2	71.3	66.4	58.0	56.8
82.5°	24.8	25.4	32.6	33.8	35.0	42.3	43.5	45.3	47.1	36.8	34.4
85°	9.1	9.1	10.9	12.7	13.9	15.1	20.5	25.4	26.6	21.1	20.5
87.5°	1.8	1.8	1.8	1.2	1.2	1.2	3.6	6.6	10.9	8.5	8.5
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)