

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: P631306

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631306
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-SA1F-740-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5928.4 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

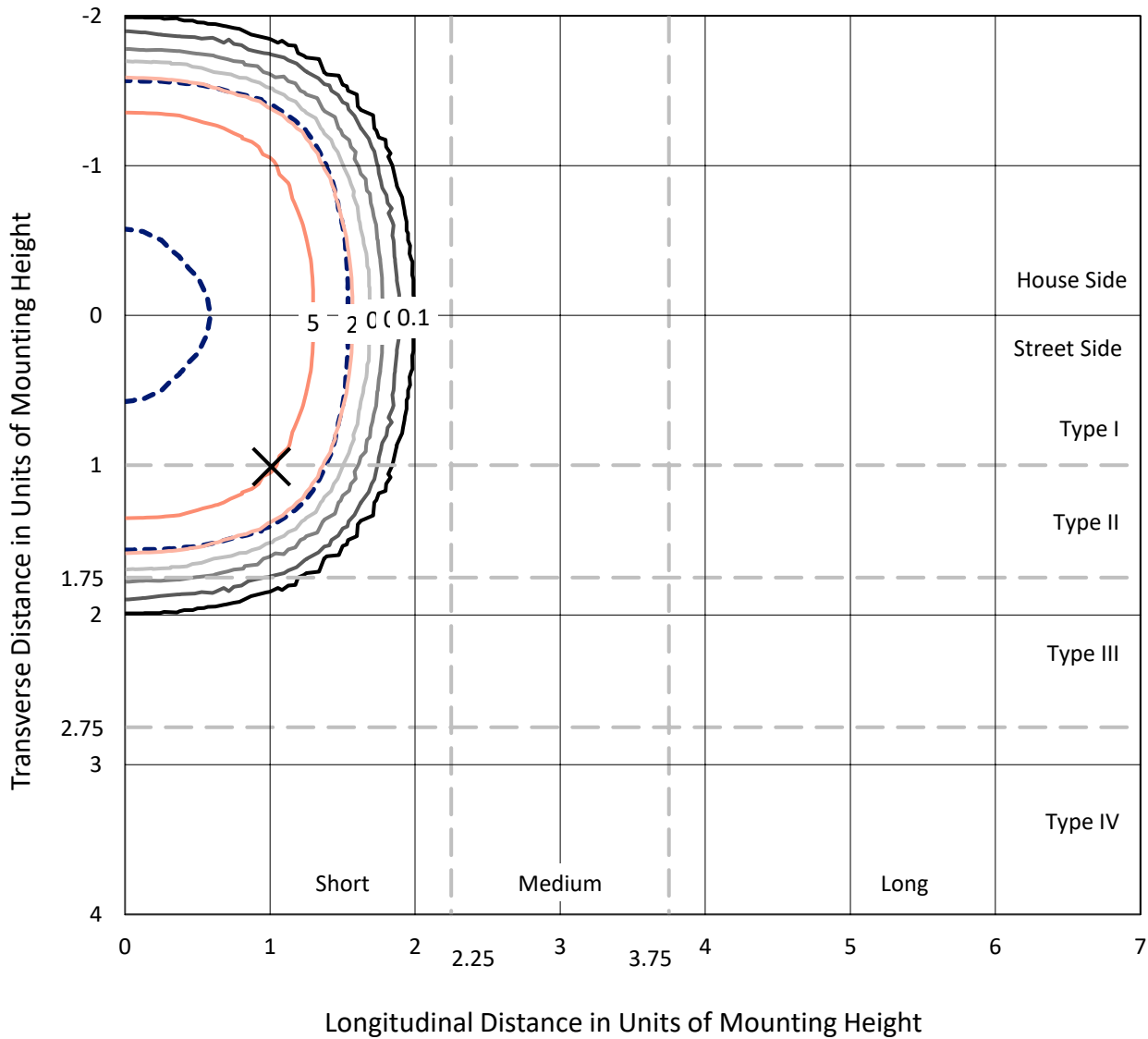
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

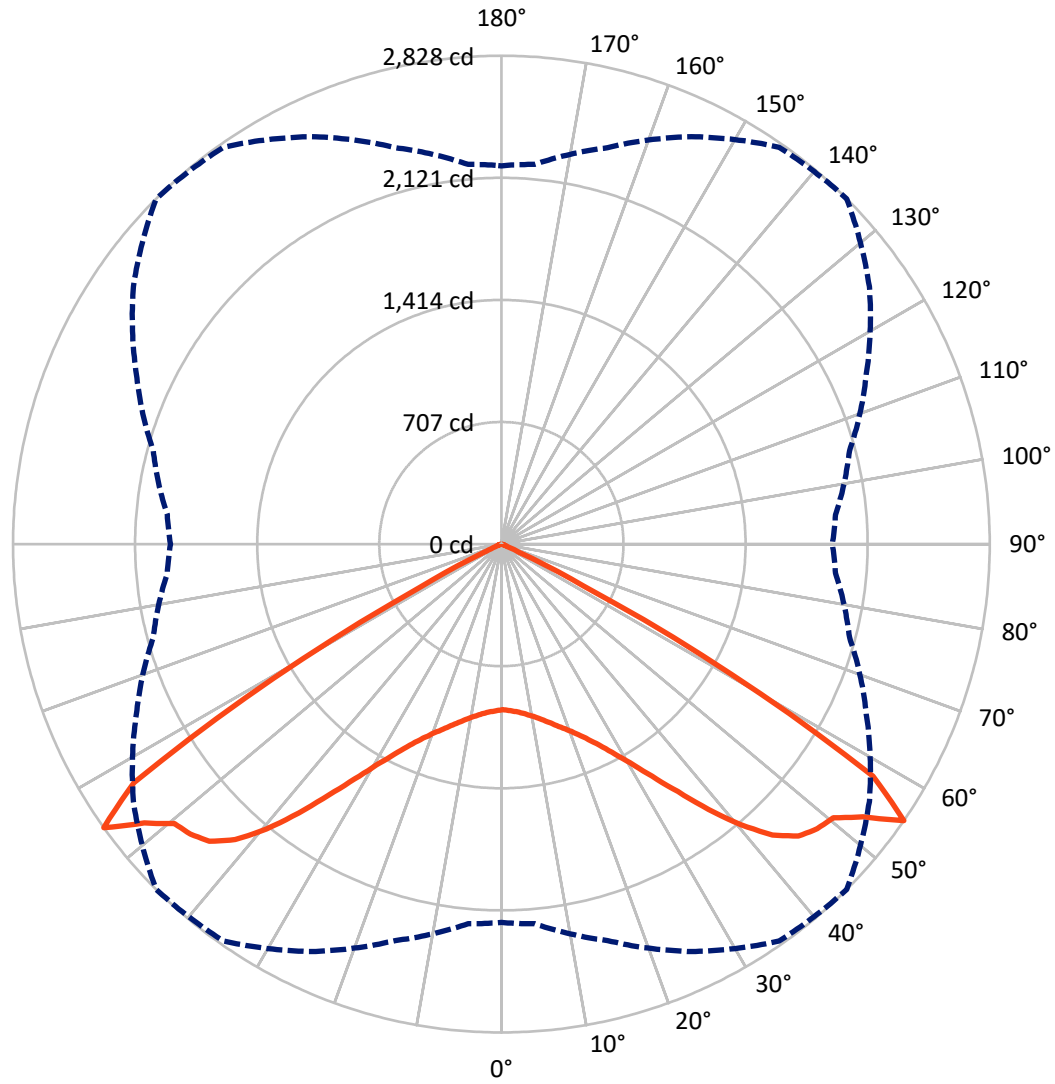
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 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	2964.2	0.0	2964.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2964.2	0.0	2964.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5928.4	0.0	5928.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	1.6
10°-20°	304.4	5.1
20°-30°	589.6	9.9
30°-40°	1056.2	17.8
40°-50°	1770.8	29.9
50°-60°	1895.6	32.0
60°-70°	208.3	3.5
70°-80°	9.2	0.2
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°	5928.4	100.0
0°-180°	5928.4	100.0

Coefficient of Utilization



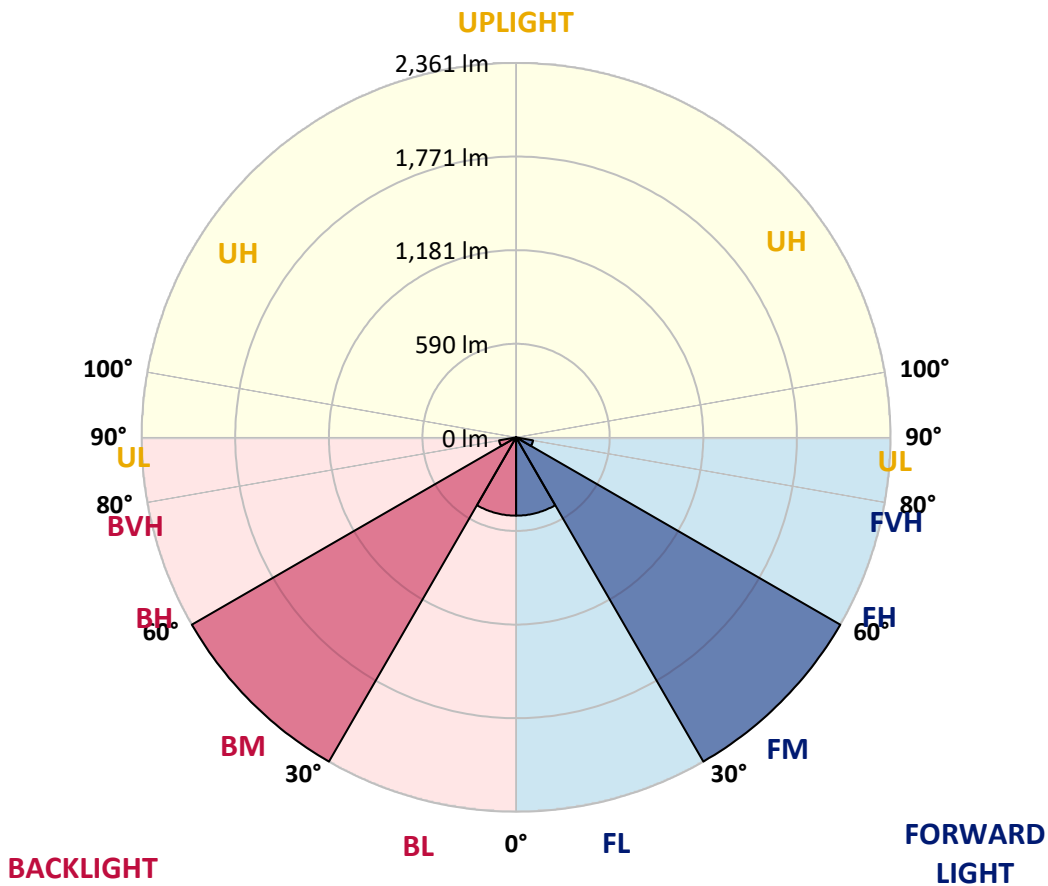
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	493.9	8.3			
FM (30°-60°)	2361.3	39.8			
FH (60°-80°)	108.7	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	493.9	8.3	B1/500		
BM (30°-60°)	2361.3	39.8	B2/2500		
BH (60°-80°)	108.7	1.8	B0/110		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°	958.5	958.5	958.5	958.5	958.5	958.5	958.5	958.5	958.5	958.5	958.5
2.5°	956.7	956.7	959.1	960.9	960.9	965.8	963.9	962.1	962.1	959.7	964.5
5°	970.6	970.0	972.4	973.6	971.2	976.0	973.0	971.2	970.0	967.6	972.4
7.5°	985.7	986.3	986.9	989.3	988.1	992.9	990.5	986.9	985.7	982.1	986.9
10°	1003.8	1003.8	1005.0	1008.0	1008.6	1014.7	1012.3	1008.0	1004.4	1000.8	1005.6
12.5°	1026.8	1027.4	1029.2	1033.4	1035.8	1042.5	1038.8	1030.4	1024.9	1020.7	1026.2
15°	1060.0	1059.4	1061.8	1067.8	1070.8	1075.7	1070.2	1058.8	1052.1	1047.3	1050.9
17.5°	1096.2	1096.2	1097.4	1103.5	1107.7	1114.9	1108.3	1094.4	1088.4	1081.7	1085.3
20°	1136.1	1137.9	1139.1	1143.3	1150.6	1157.8	1152.4	1138.5	1131.8	1123.4	1127.6
22.5°	1188.6	1186.8	1187.4	1194.7	1204.9	1212.2	1207.9	1191.6	1180.2	1173.5	1175.9
25°	1247.2	1246.6	1248.4	1259.3	1270.8	1278.6	1272.6	1251.4	1240.0	1228.5	1233.3
27.5°	1319.1	1319.7	1320.9	1334.2	1352.3	1363.8	1348.7	1327.5	1311.8	1296.7	1300.4
30°	1404.2	1403.0	1406.7	1424.8	1451.4	1469.5	1452.0	1422.4	1400.0	1385.5	1387.3
32.5°	1494.8	1496.0	1505.7	1534.7	1569.7	1601.7	1566.1	1526.8	1497.9	1470.7	1474.3
35°	1592.7	1595.7	1617.4	1660.3	1717.7	1760.6	1711.1	1646.4	1605.4	1570.3	1571.5
37.5°	1708.0	1715.3	1745.5	1809.5	1891.6	1949.0	1876.5	1790.8	1737.6	1694.1	1691.1
40°	1859.6	1868.1	1909.2	1985.3	2084.9	2137.5	2053.5	1965.3	1899.5	1852.4	1845.1
42.5°	2033.6	2044.5	2089.1	2167.1	2266.7	2302.4	2220.2	2145.9	2086.7	2031.2	2028.8
45°	2229.9	2235.9	2272.2	2331.9	2403.8	2412.3	2350.7	2309.6	2249.8	2197.9	2193.6
47.5°	2414.1	2420.1	2444.9	2475.7	2492.6	2462.4	2451.5	2433.4	2356.1	2292.1	2278.8
50°	2554.2	2559.0	2589.8	2601.9	2554.8	2490.8	2511.9	2473.3	2389.3	2317.5	2296.9
52.5°	2544.5	2556.6	2635.7	2704.6	2675.0	2623.1	2566.3	2482.9	2352.5	2254.0	2228.7
55°	2190.6	2206.9	2376.6	2603.1	2805.5	2827.8	2600.7	2331.9	2086.7	1942.4	1916.4
57.5°	1407.9	1412.1	1619.3	1936.9	2392.9	2536.7	2156.8	1758.2	1453.2	1294.3	1283.4
60°	517.6	509.2	665.6	928.9	1378.3	1530.5	1269.6	889.1	634.2	521.8	512.8
62.5°	124.4	125.6	155.8	233.7	432.4	535.1	422.8	236.2	150.4	126.2	125.0
65°	62.8	61.6	62.2	67.0	92.4	110.5	90.6	64.0	61.6	62.2	61.6
67.5°	40.5	39.9	41.1	41.7	41.1	38.7	38.1	39.3	39.3	39.9	38.7
70°	24.8	24.2	25.4	27.2	26.0	23.0	24.2	25.4	24.2	23.6	23.6
72.5°	13.3	13.3	14.5	15.7	14.5	13.3	13.3	13.9	13.3	13.3	13.3
75°	6.0	6.0	6.6	7.2	6.0	6.0	6.0	6.0	6.0	6.0	6.0
77.5°	1.8	1.8	2.4	2.4	1.8	1.8	1.8	1.8	2.4	2.4	2.4
80°	0.6	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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)