

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: P631248

Luminaire Tested: GWS-SA1F-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631248
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-SA1F-735-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5077 lumens
Efficiency: N/A
Efficacy: 75.6 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

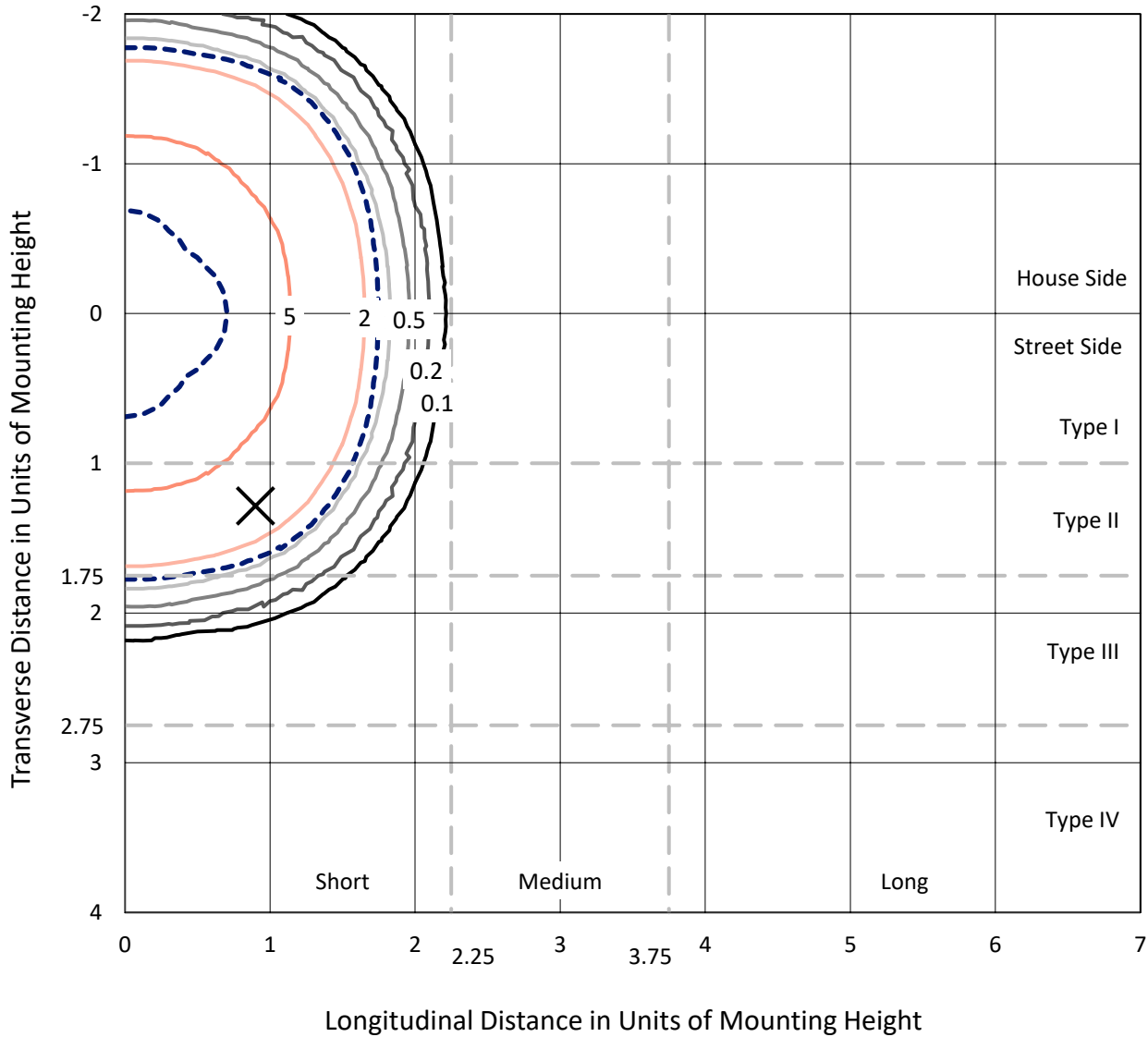
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

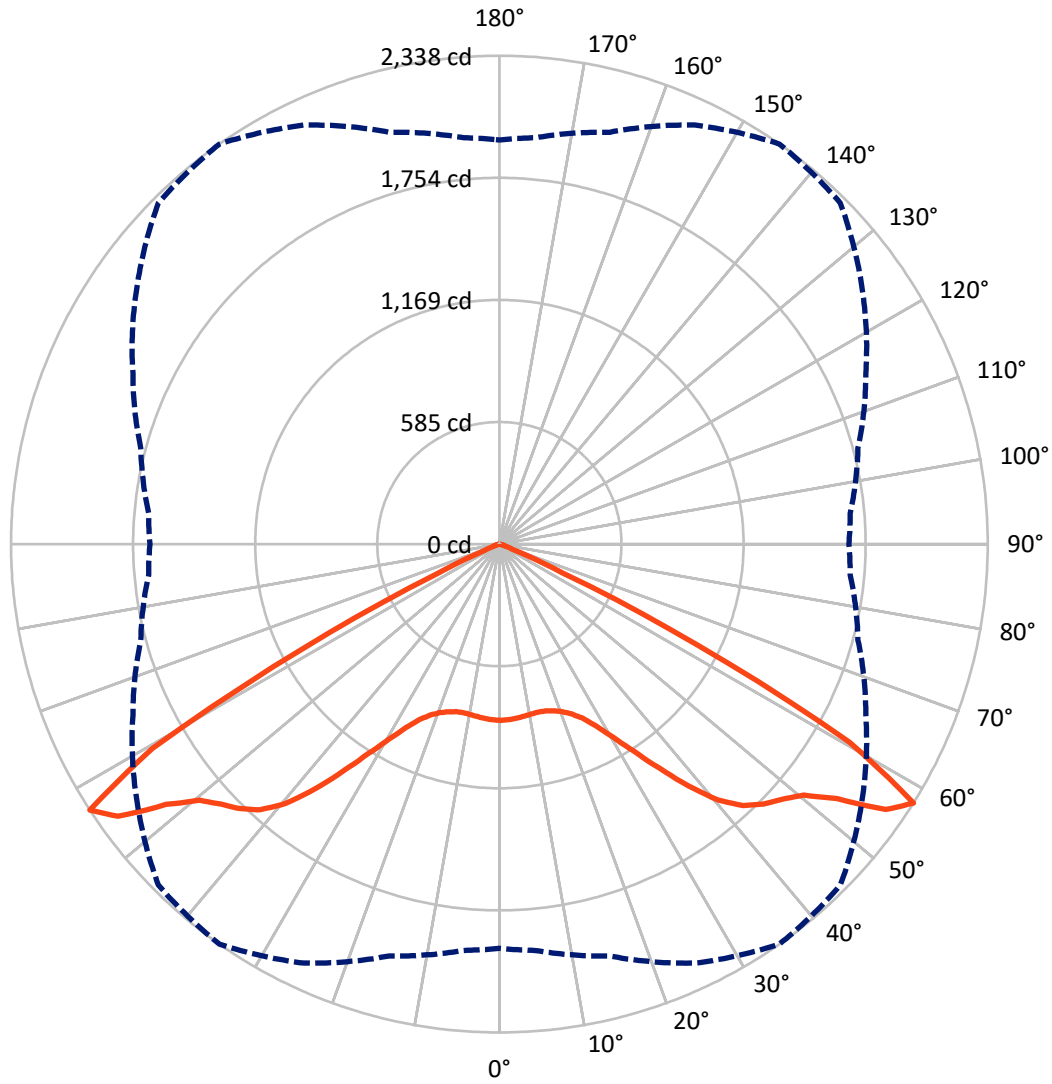
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 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	2538.5	0.0	2538.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2538.5	0.0	2538.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5077.0	0.0	5077.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	1.6
10°-20°	233.9	4.6
20°-30°	422.8	8.3
30°-40°	788.9	15.5
40°-50°	1323.3	26.1
50°-60°	1747.6	34.4
60°-70°	464.1	9.1
70°-80°	16.5	0.3
80°-90°	0.3	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°	5077.0	100.0
0°-180°	5077.0	100.0

Coefficient of Utilization



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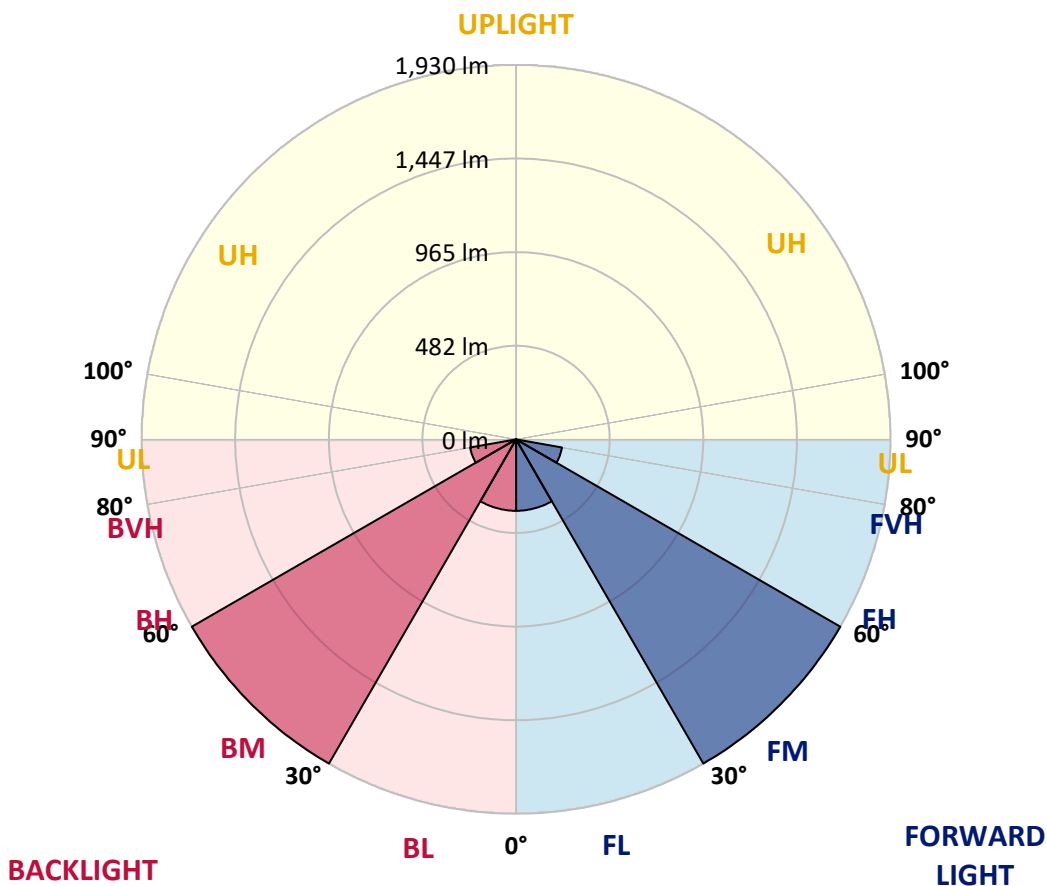
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	368.2	7.3			
FM (30°-60°)	1929.9	38.0			
FH (60°-80°)	240.3	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	368.2	7.3	B1/500		
BM (30°-60°)	1929.9	38.0	B2/2500		
BH (60°-80°)	240.3	4.7	B1/500		G0/660
BVH (80°-90°)	0.1	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°	844.1	844.1	844.1	844.1	844.1	844.1	844.1	844.1	844.1	844.1	844.1
2.5°	838.1	837.5	839.9	841.7	841.7	845.9	844.7	843.5	842.3	840.5	844.7
5°	836.9	836.4	838.1	839.3	838.1	841.7	839.3	836.9	835.8	833.4	838.1
7.5°	831.6	832.2	833.4	834.6	832.8	835.8	832.8	829.2	826.2	823.8	828.0
10°	823.2	823.8	825.0	827.4	828.0	832.2	828.0	821.5	817.3	813.7	817.9
12.5°	819.1	819.7	821.5	824.4	825.0	830.4	825.0	815.5	809.5	805.4	809.5
15°	820.3	821.5	823.8	827.4	828.6	834.0	826.8	814.3	806.0	800.6	804.2
17.5°	824.4	825.6	829.2	835.2	839.3	844.7	835.8	819.7	808.4	800.6	804.2
20°	829.8	831.6	837.5	847.1	856.0	865.5	854.2	832.2	817.3	807.8	810.7
22.5°	844.7	846.5	854.8	867.3	882.2	894.1	880.4	852.4	832.2	819.7	822.7
25°	875.1	876.9	887.6	903.7	922.7	938.2	920.9	885.8	859.6	845.3	846.5
27.5°	922.7	924.5	937.0	959.7	985.3	1007.3	982.3	941.2	911.4	894.7	894.7
30°	982.9	985.3	1002.0	1032.3	1072.2	1101.4	1067.5	1017.4	979.3	956.7	957.3
32.5°	1060.3	1058.0	1081.8	1123.5	1180.1	1218.8	1168.7	1108.0	1060.9	1029.4	1032.3
35°	1159.8	1159.2	1186.0	1242.6	1316.5	1362.9	1303.4	1224.7	1168.2	1136.0	1136.6
37.5°	1287.9	1287.3	1318.3	1379.6	1468.4	1507.1	1440.4	1360.6	1299.8	1268.8	1272.4
40°	1438.0	1434.4	1461.8	1520.8	1609.6	1634.6	1561.9	1497.6	1439.2	1419.5	1429.1
42.5°	1581.0	1573.2	1589.3	1642.9	1711.4	1715.0	1660.2	1616.1	1576.2	1560.7	1566.7
45°	1695.9	1690.0	1704.9	1735.8	1775.2	1757.3	1731.1	1717.4	1685.2	1668.5	1673.9
47.5°	1781.7	1781.7	1799.6	1818.7	1824.6	1791.8	1796.0	1796.0	1763.8	1737.6	1731.1
50°	1855.6	1860.9	1887.8	1907.4	1887.8	1846.1	1869.9	1865.1	1799.6	1747.2	1733.5
52.5°	1973.5	1978.9	2020.0	2046.8	2024.8	1983.7	1986.6	1927.1	1830.6	1768.6	1747.2
55°	2098.6	2111.7	2171.3	2242.8	2243.4	2201.1	2122.5	2017.0	1899.7	1832.4	1810.3
57.5°	1934.8	1952.7	2041.4	2213.6	2338.1	2308.9	2121.3	1936.0	1777.5	1685.8	1673.3
60°	1331.4	1362.3	1451.1	1686.4	1926.5	1937.8	1716.2	1508.3	1326.6	1213.4	1215.8
62.5°	562.3	593.9	643.9	837.5	1058.0	1071.7	964.4	815.5	667.2	585.6	598.1
65°	132.2	141.2	156.1	231.7	336.0	351.5	324.1	252.6	186.5	157.9	160.8
67.5°	57.8	59.0	56.0	59.6	73.9	75.7	73.3	64.3	60.8	62.0	62.0
70°	40.5	41.1	38.7	36.9	35.1	32.8	34.0	37.5	40.5	42.9	42.3
72.5°	25.0	25.6	26.2	26.2	24.4	22.0	23.2	25.6	26.2	26.8	26.2
75°	12.5	13.1	14.3	14.9	14.3	13.7	13.7	14.3	14.3	13.7	13.7
77.5°	2.4	3.0	4.2	4.8	4.8	4.8	4.8	4.8	5.4	4.8	4.8
80°	0.6	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)