

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: P631303

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631303
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5147.5 lumens
Efficiency: N/A
Efficacy: 76.6 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

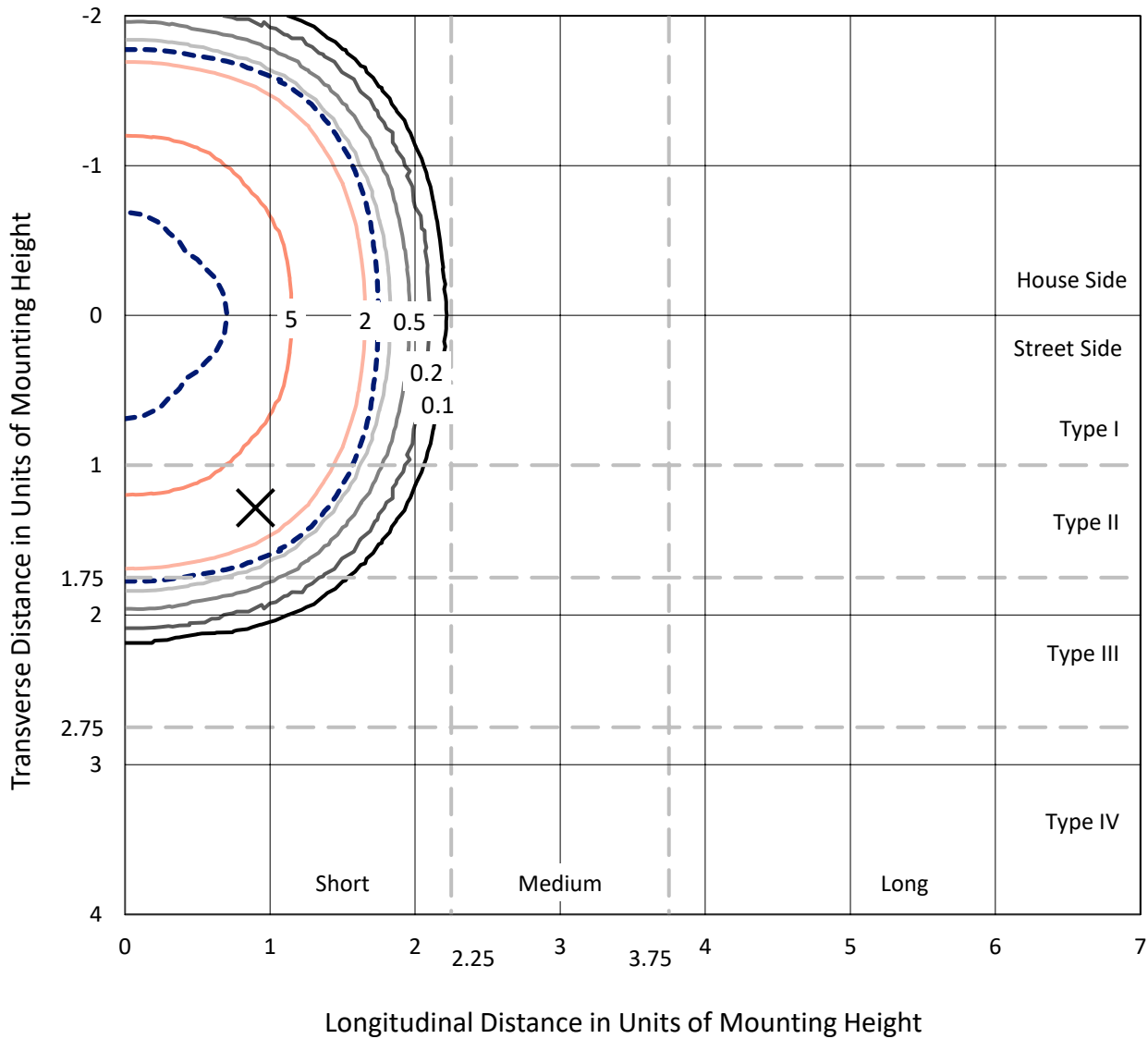
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

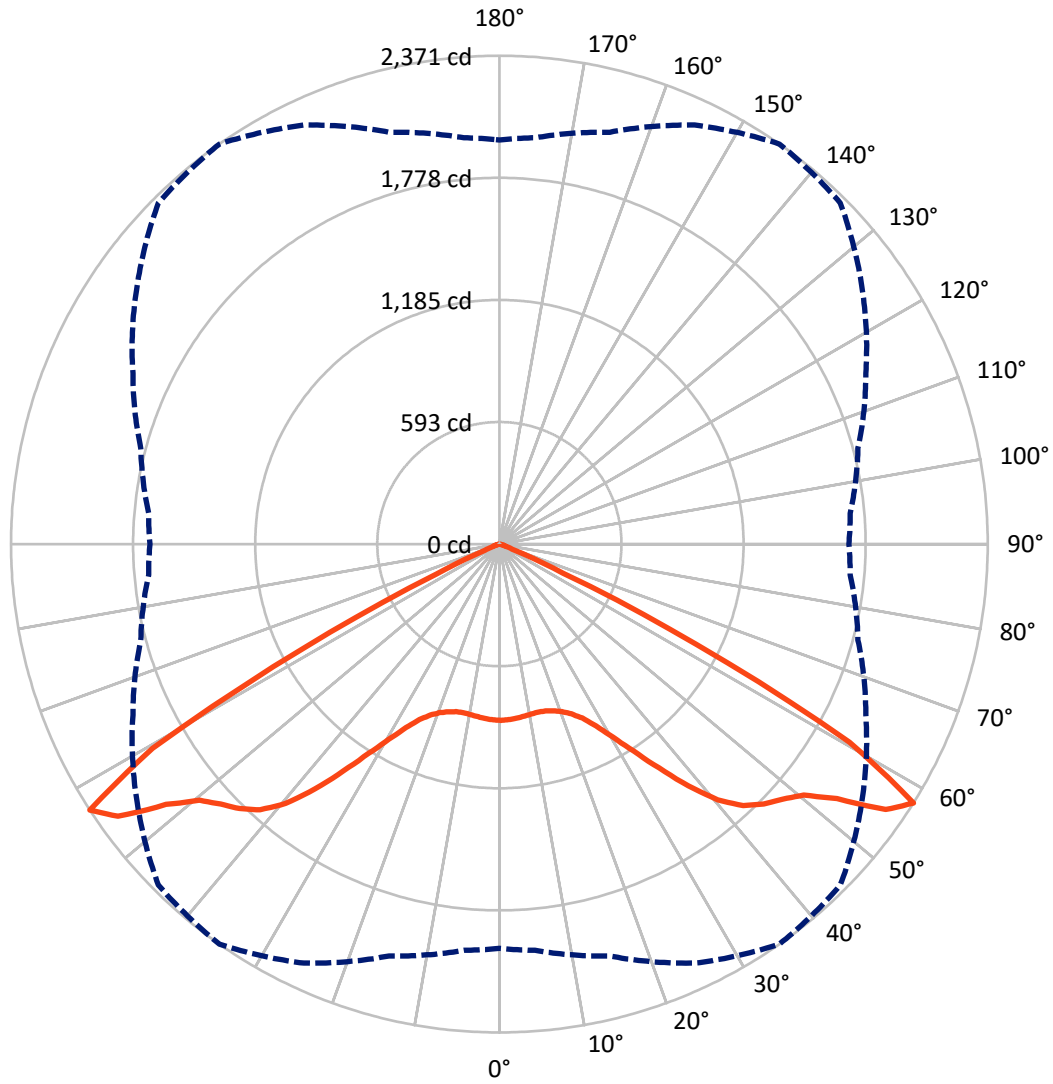
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 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	2573.7	0.0	2573.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2573.7	0.0	2573.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5147.5	0.0	5147.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	1.6
10°-20°	237.2	4.6
20°-30°	428.7	8.3
30°-40°	799.8	15.5
40°-50°	1341.7	26.1
50°-60°	1771.9	34.4
60°-70°	470.6	9.1
70°-80°	16.7	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°	5147.5	100.0
0°-180°	5147.5	100.0

Coefficient of Utilization



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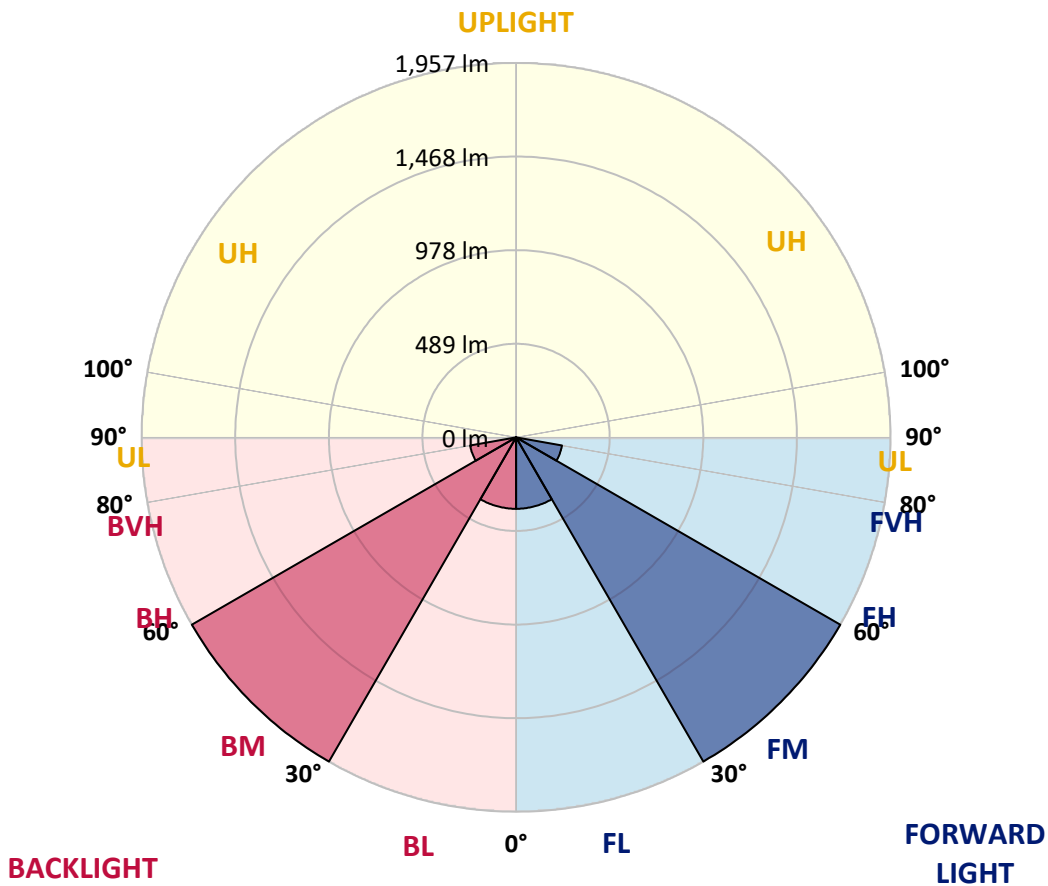
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	373.3	7.3			
FM (30°-60°)	1956.7	38.0			
FH (60°-80°)	243.6	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	373.3	7.3	B1/500		
BM (30°-60°)	1956.7	38.0	B2/2500		
BH (60°-80°)	243.6	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°	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8
2.5°	849.8	849.2	851.6	853.4	853.4	857.6	856.4	855.2	854.0	852.2	856.4
5°	848.6	848.0	849.8	851.0	849.8	853.4	851.0	848.6	847.4	844.9	849.8
7.5°	843.1	843.7	844.9	846.2	844.3	847.4	844.3	840.7	837.7	835.3	839.5
10°	834.7	835.3	836.5	838.9	839.5	843.7	839.5	832.9	828.6	825.0	829.2
12.5°	830.5	831.1	832.9	835.9	836.5	841.9	836.5	826.8	820.8	816.6	820.8
15°	831.7	832.9	835.3	838.9	840.1	845.6	838.3	825.6	817.2	811.7	815.4
17.5°	835.9	837.1	840.7	846.8	851.0	856.4	847.4	831.1	819.6	811.7	815.4
20°	841.3	843.1	849.2	858.8	867.9	877.6	866.1	843.7	828.6	819.0	822.0
22.5°	856.4	858.2	866.7	879.4	894.5	906.6	892.7	864.3	843.7	831.1	834.1
25°	887.2	889.0	899.9	916.2	935.5	951.2	933.7	898.1	871.5	857.0	858.2
27.5°	935.5	937.4	950.0	973.0	999.0	1021.3	995.9	954.3	924.1	907.2	907.2
30°	996.5	999.0	1015.9	1046.7	1087.1	1116.7	1082.3	1031.6	992.9	970.0	970.6
32.5°	1075.1	1072.6	1096.8	1139.1	1196.5	1235.7	1185.0	1123.4	1075.7	1043.7	1046.7
35°	1175.9	1175.3	1202.5	1259.9	1334.8	1381.9	1321.5	1241.8	1184.4	1151.8	1152.4
37.5°	1305.8	1305.2	1336.6	1398.8	1488.8	1528.0	1460.4	1379.5	1317.9	1286.4	1290.1
40°	1458.0	1454.3	1482.1	1541.9	1631.9	1657.3	1583.6	1518.4	1459.2	1439.2	1448.9
42.5°	1602.9	1595.1	1611.4	1665.7	1735.2	1738.8	1683.3	1638.6	1598.1	1582.4	1588.4
45°	1719.5	1713.4	1728.5	1760.0	1799.8	1781.7	1755.1	1741.2	1708.6	1691.7	1697.1
47.5°	1806.5	1806.5	1824.6	1843.9	1849.9	1816.7	1821.0	1821.0	1788.3	1761.8	1755.1
50°	1881.4	1886.8	1914.0	1933.9	1914.0	1871.7	1895.8	1891.0	1824.6	1771.4	1757.5
52.5°	2000.9	2006.4	2048.0	2075.2	2052.9	2011.2	2014.2	1953.8	1856.0	1793.2	1771.4
55°	2127.8	2141.1	2201.5	2273.9	2274.5	2231.7	2151.9	2045.0	1926.0	1857.8	1835.4
57.5°	1961.7	1979.8	2069.8	2244.3	2370.6	2341.0	2150.7	1962.9	1802.2	1709.2	1696.5
60°	1349.9	1381.3	1471.3	1709.8	1953.2	1964.7	1740.0	1529.2	1345.0	1230.3	1232.7
62.5°	570.1	602.2	652.9	849.2	1072.6	1086.5	977.8	826.8	676.4	593.7	606.4
65°	134.1	143.1	158.2	234.9	340.6	356.3	328.6	256.1	189.0	160.1	163.1
67.5°	58.6	59.8	56.8	60.4	74.9	76.7	74.3	65.2	61.6	62.8	62.8
70°	41.1	41.7	39.3	37.4	35.6	33.2	34.4	38.0	41.1	43.5	42.9
72.5°	25.4	26.0	26.6	26.6	24.8	22.3	23.6	26.0	26.6	27.2	26.6
75°	12.7	13.3	14.5	15.1	14.5	13.9	13.9	14.5	14.5	13.9	13.9
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)