

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: P630816

Luminaire Tested: GWS-SA1E-740-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7682.2 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

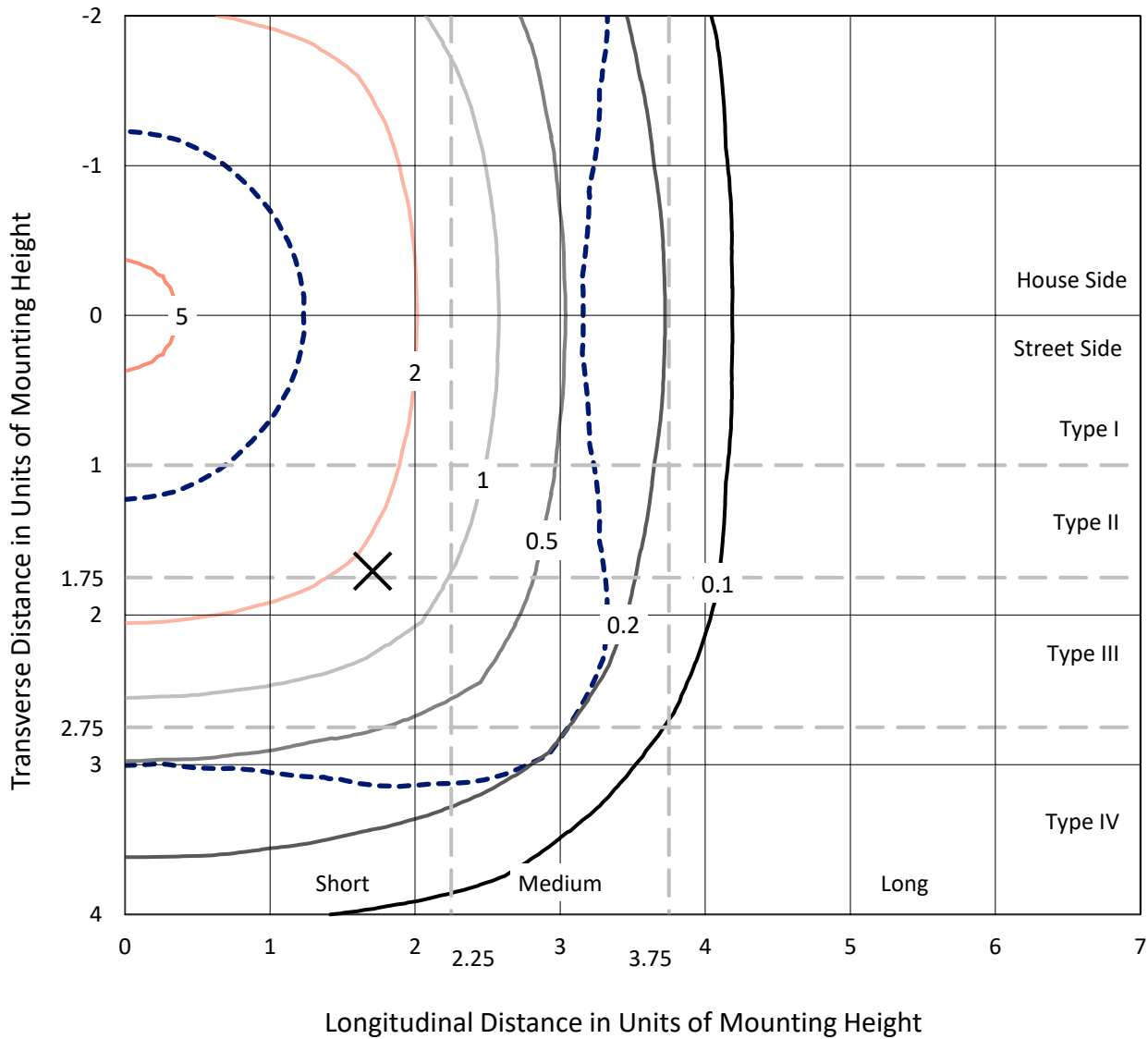
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

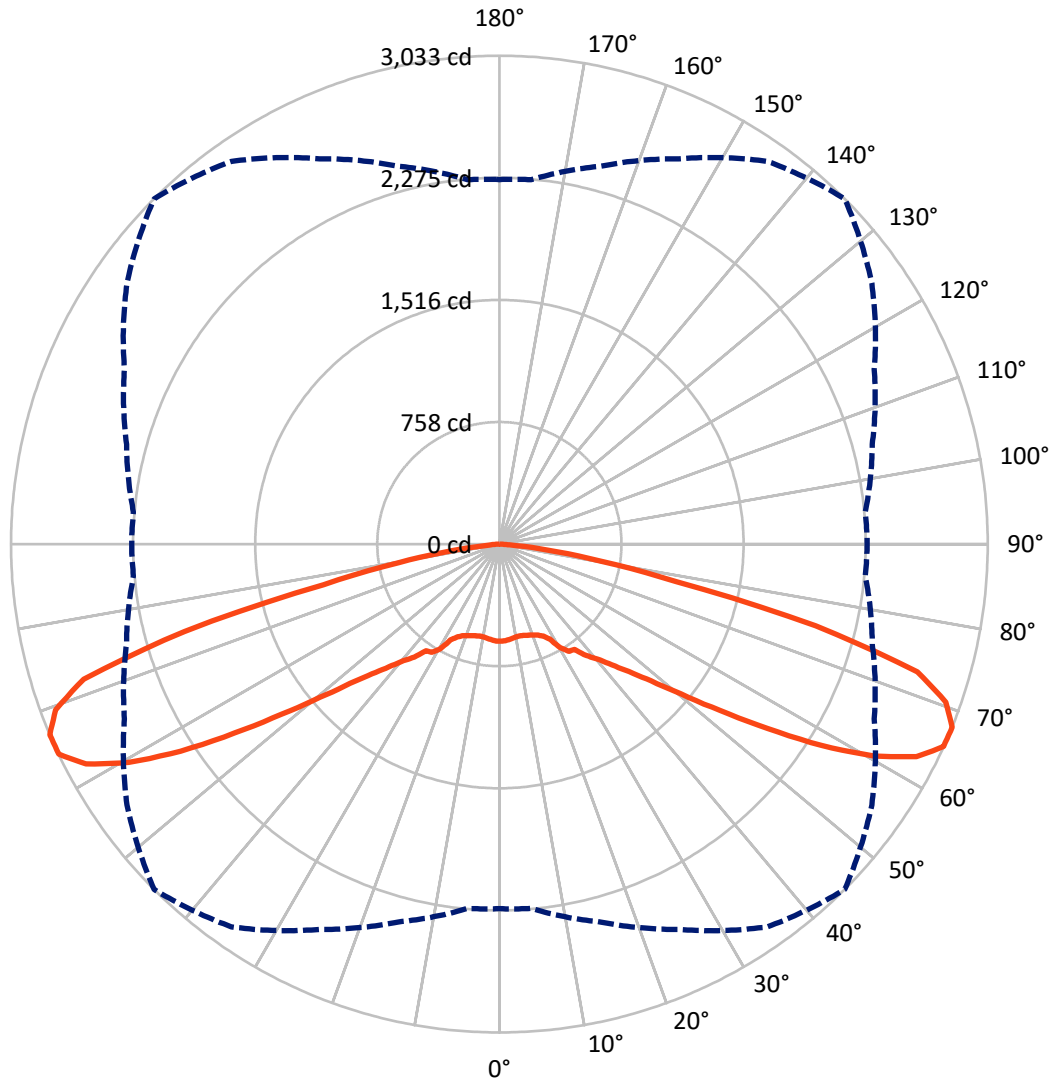
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3841.1	0.0	3841.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3841.1	0.0	3841.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7682.2	0.0	7682.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	0.7
10°-20°	167.9	2.2
20°-30°	301.1	3.9
30°-40°	508.7	6.6
40°-50°	893.7	11.6
50°-60°	1724.0	22.4
60°-70°	2501.4	32.6
70°-80°	1431.2	18.6
80°-90°	97.7	1.3
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°	7682.2	100.0
0°-180°	7682.2	100.0

Coefficient of Utilization



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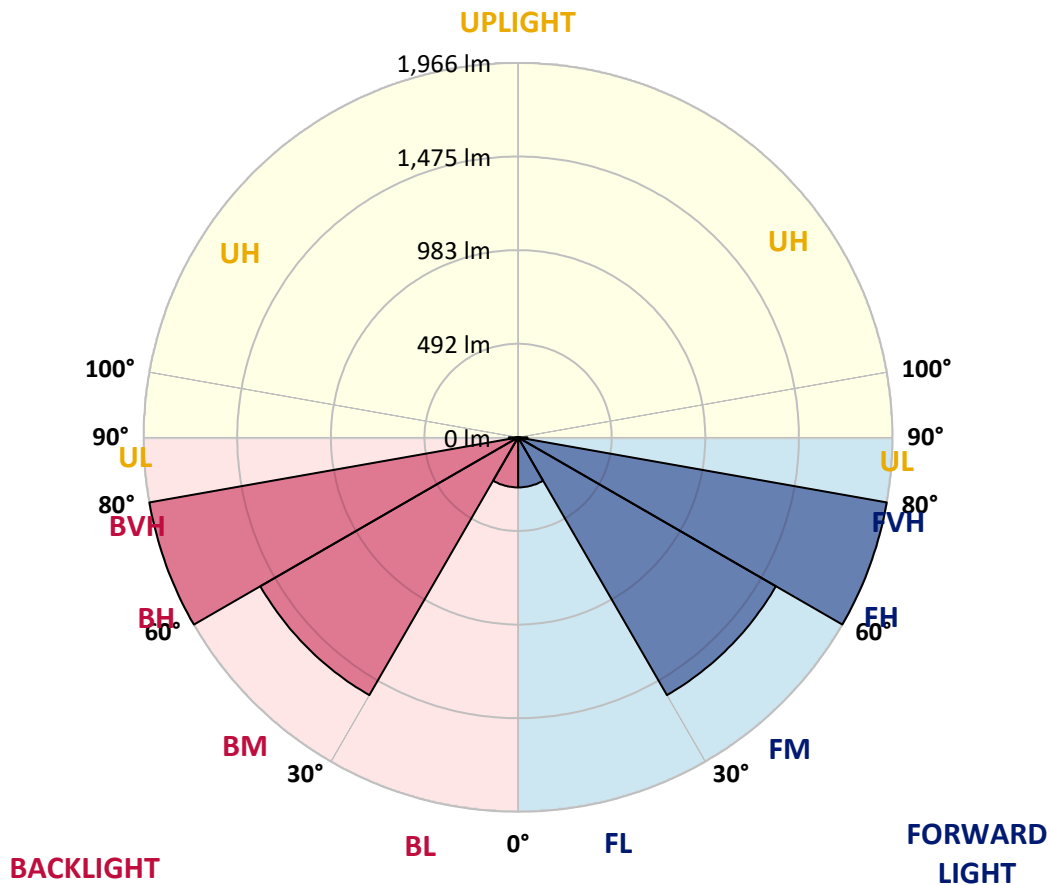
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.8	3.4			
FM (30°-60°)	1563.2	20.3			
FH (60°-80°)	1966.3	25.6			G2/5000
FVH (80°-90°)	48.8	0.6			G1/100
BL (0°-30°)	262.8	3.4	B1/500		
BM (30°-60°)	1563.2	20.3	B2/2500		
BH (60°-80°)	1966.3	25.6	B3/2500		G2/5000
BVH (80°-90°)	48.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4
2.5°	597.6	598.1	599.2	599.2	600.3	601.9	602.4	601.4	601.9	599.2	601.9
5°	595.9	596.5	597.0	595.9	595.9	596.5	596.5	595.4	595.9	593.2	595.9
7.5°	592.1	592.7	592.7	591.0	589.4	590.5	590.5	589.4	589.9	587.2	590.5
10°	588.9	588.9	588.3	585.1	583.4	585.1	585.6	586.1	588.3	586.1	589.9
12.5°	591.0	591.0	589.4	585.1	582.3	583.4	584.5	585.6	589.4	588.9	593.2
15°	597.0	597.6	593.2	588.3	586.7	588.3	587.2	586.7	591.6	593.2	598.1
17.5°	601.9	601.9	596.5	591.6	592.1	594.8	592.7	589.9	594.8	598.1	603.5
20°	606.2	605.7	599.7	596.5	598.6	602.4	600.8	597.0	600.3	604.1	609.0
22.5°	617.1	616.6	610.0	608.4	610.6	614.4	612.8	609.5	613.3	618.7	624.7
25°	648.1	647.0	637.2	631.8	630.7	633.4	632.9	631.8	637.8	644.3	651.3
27.5°	689.4	688.8	681.8	676.3	669.3	667.1	668.7	673.6	682.3	687.2	693.2
30°	710.0	710.0	708.9	717.6	732.8	747.5	736.1	717.6	710.0	707.8	713.8
32.5°	737.2	739.9	736.1	745.9	771.4	793.1	771.4	741.5	736.1	736.1	742.6
35°	799.6	800.7	794.7	793.1	801.3	804.0	793.7	782.8	788.8	789.9	798.0
37.5°	849.6	849.6	846.9	851.2	868.1	878.4	861.6	842.0	843.6	844.7	855.0
40°	926.7	928.9	922.4	921.9	928.4	937.6	919.7	907.2	915.9	918.6	934.4
42.5°	1022.9	1022.9	1013.1	1010.4	1014.8	1024.5	1007.7	999.5	1010.9	1013.1	1022.4
45°	1137.5	1140.2	1127.2	1122.3	1124.5	1127.7	1115.8	1112.0	1122.9	1127.7	1144.0
47.5°	1277.1	1279.8	1268.4	1267.9	1265.7	1267.9	1256.5	1254.3	1263.0	1259.2	1276.6
50°	1449.3	1454.2	1444.4	1458.0	1456.4	1462.9	1447.2	1435.8	1435.8	1425.4	1435.2
52.5°	1642.2	1652.0	1656.8	1679.7	1697.0	1713.3	1687.3	1669.3	1643.3	1622.1	1648.7
55°	1852.4	1849.7	1880.7	1930.6	1981.7	2020.3	1969.2	1912.7	1870.3	1826.3	1836.7
57.5°	2036.6	2045.8	2086.5	2177.8	2278.8	2360.3	2268.5	2159.9	2063.7	2000.7	2009.4
60°	2189.8	2197.4	2251.7	2383.1	2559.7	2672.1	2526.6	2347.3	2207.7	2120.8	2130.0
62.5°	2331.0	2338.1	2392.9	2538.0	2760.7	2907.4	2719.4	2474.4	2319.0	2231.6	2237.0
65°	2412.5	2416.8	2491.8	2644.4	2879.1	3030.7	2818.8	2566.2	2413.6	2324.5	2327.7
67.5°	2264.2	2271.2	2429.3	2640.1	2901.9	3032.8	2823.2	2568.9	2397.3	2281.0	2283.7
70°	1786.1	1780.2	1968.7	2331.0	2771.0	2941.6	2697.7	2376.1	2111.0	1948.6	1945.8
72.5°	1361.9	1363.5	1468.3	1716.6	2259.3	2714.5	2380.4	1913.3	1627.5	1504.2	1499.3
75°	987.6	1002.8	1088.1	1270.1	1580.3	2029.0	1792.1	1417.8	1226.6	1152.7	1141.9
77.5°	444.9	464.5	583.4	797.5	1056.6	1121.2	1125.6	962.6	726.3	603.5	584.5
80°	129.8	139.1	178.7	305.8	492.2	636.1	505.2	424.8	264.6	207.5	197.7
82.5°	54.9	62.5	76.6	84.7	142.9	295.0	183.6	116.8	108.6	88.0	80.4
85°	23.4	25.0	32.1	34.2	46.2	63.0	58.1	52.7	50.5	39.1	35.9
87.5°	9.8	9.8	9.8	8.7	8.1	8.7	12.0	15.2	20.1	15.8	14.7
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)