

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: P630590

Luminaire Tested: GWS-SA1E-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5780.3 lumens
Efficiency: N/A
Efficacy: 99.0 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

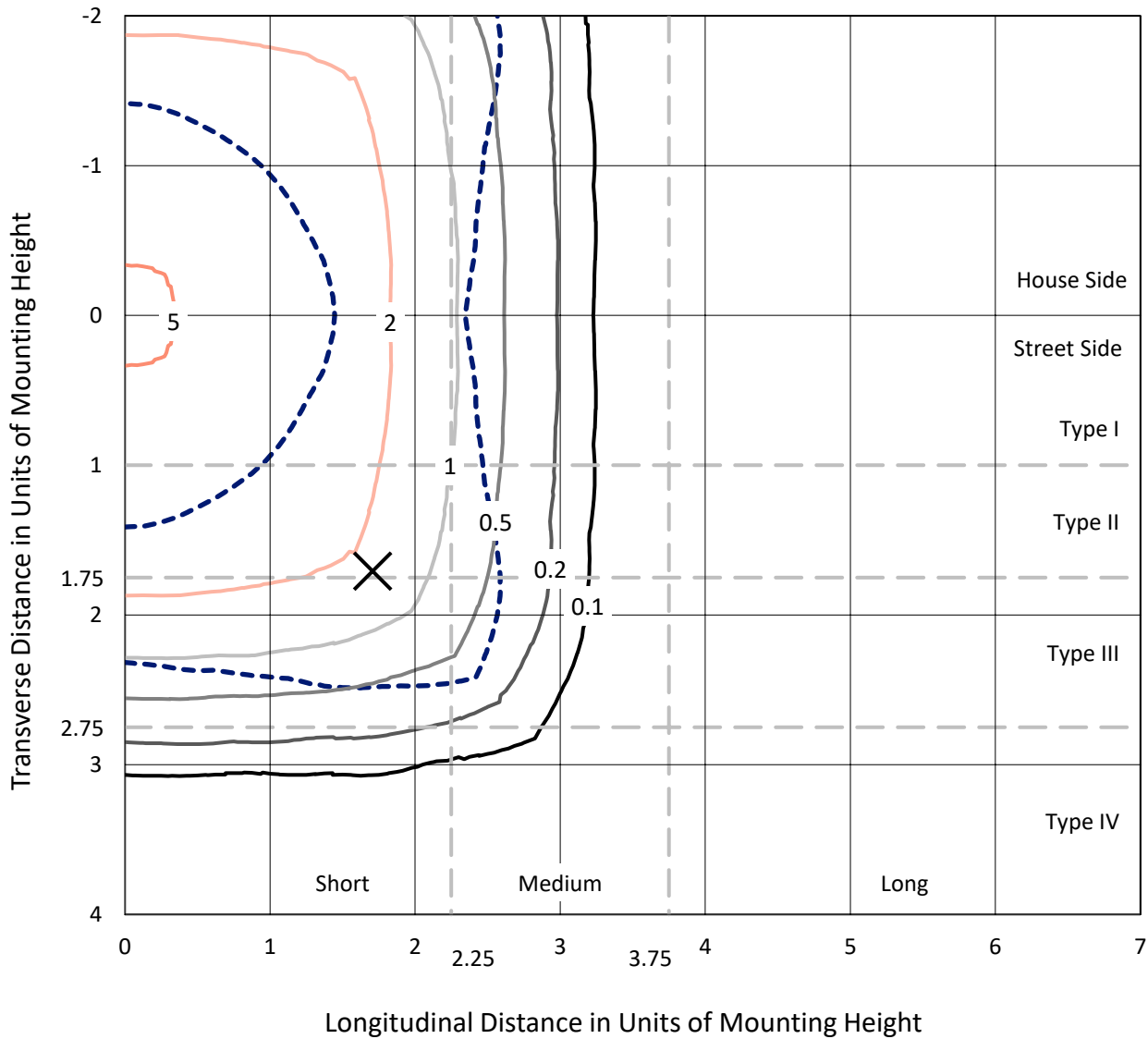
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

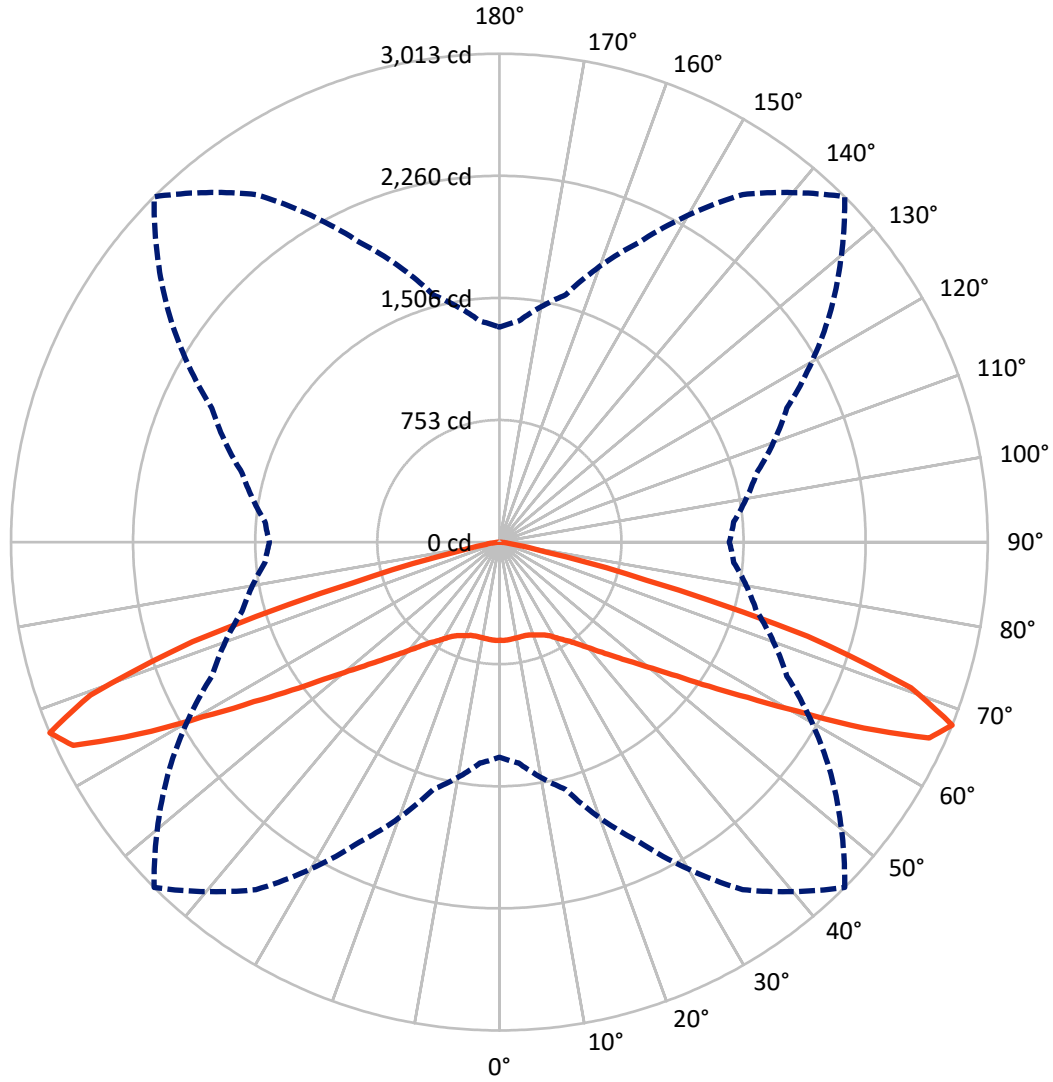
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 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	2890.1	0.0	2890.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2890.1	0.0	2890.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5780.3	0.0	5780.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	1.0
10°-20°	168.3	2.9
20°-30°	290.3	5.0
30°-40°	471.9	8.2
40°-50°	794.7	13.7
50°-60°	1408.0	24.4
60°-70°	2012.7	34.8
70°-80°	552.4	9.6
80°-90°	24.7	0.4
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°	5780.3	100.0
0°-180°	5780.3	100.0

Coefficient of Utilization



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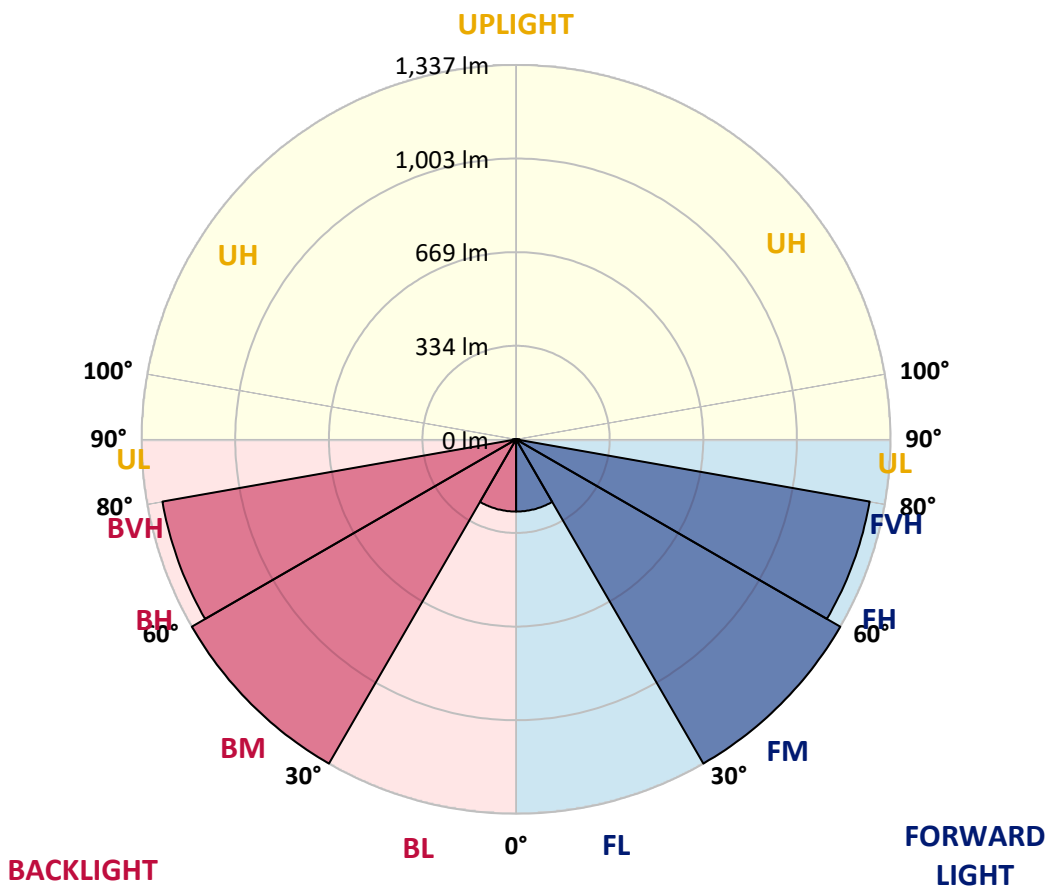
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	257.9	4.5			
FM (30°-60°)	1337.3	23.1			
FH (60°-80°)	1282.5	22.2			G1/1800
FVH (80°-90°)	12.4	0.2			G1/100
BL (0°-30°)	257.9	4.5	B1/500		
BM (30°-60°)	1337.3	23.1	B2/2500		
BH (60°-80°)	1282.5	22.2	B3/2500		G1/1800
BVH (80°-90°)	12.4	0.2			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°	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4
2.5°	601.4	601.0	603.0	604.2	603.8	606.6	606.2	605.4	605.4	604.2	607.4
5°	601.4	601.0	602.6	603.0	602.2	604.6	603.8	603.0	603.0	601.4	604.2
7.5°	598.2	598.6	599.8	600.6	599.8	601.8	600.6	599.0	598.6	597.0	599.8
10°	592.2	592.6	593.8	595.8	596.2	599.8	597.8	595.0	593.8	592.2	595.0
12.5°	588.6	589.0	590.2	592.6	593.4	598.2	596.2	591.8	589.8	588.2	591.0
15°	587.8	588.2	589.8	592.2	593.4	598.2	596.2	591.0	588.2	586.2	588.6
17.5°	587.8	588.6	591.0	594.6	597.0	601.8	599.4	593.4	589.4	585.8	588.2
20°	588.2	589.4	593.0	598.2	604.2	611.0	607.8	599.8	594.2	589.8	591.4
22.5°	591.8	593.8	598.2	605.0	613.8	621.8	619.0	608.2	600.2	594.2	595.8
25°	604.2	605.0	610.6	619.4	627.8	634.6	631.8	621.8	611.8	604.6	606.6
27.5°	626.2	628.2	633.0	642.2	649.4	653.0	652.6	645.8	635.8	629.4	631.0
30°	652.6	654.6	661.0	671.4	678.6	682.6	681.4	676.2	667.0	658.2	659.8
32.5°	683.4	684.2	691.8	703.4	711.0	717.0	713.0	707.4	695.8	685.4	686.2
35°	722.6	723.8	731.8	742.6	748.6	753.4	752.6	747.0	734.6	723.4	726.2
37.5°	771.8	772.6	779.8	793.4	798.2	801.8	802.6	799.8	787.0	772.6	775.4
40°	833.1	833.5	841.5	853.5	858.7	861.1	861.5	861.9	848.7	837.9	837.1
42.5°	904.3	906.3	917.5	929.1	931.5	930.3	934.3	938.3	925.5	910.7	911.9
45°	989.5	990.7	1005.9	1018.7	1014.3	1010.3	1017.9	1025.9	1014.3	995.1	989.5
47.5°	1090.3	1092.7	1109.1	1121.9	1114.7	1107.5	1119.9	1128.3	1109.5	1089.1	1083.9
50°	1204.4	1206.0	1229.2	1245.2	1236.8	1223.6	1239.2	1248.0	1222.8	1197.6	1186.4
52.5°	1339.2	1336.0	1366.8	1394.8	1389.6	1372.4	1385.2	1386.8	1349.2	1313.6	1302.4
55°	1503.7	1500.5	1531.3	1562.1	1574.9	1570.5	1564.5	1554.9	1499.3	1461.2	1450.8
57.5°	1695.3	1685.3	1728.5	1770.1	1798.1	1806.2	1780.5	1758.1	1714.1	1667.3	1655.3
60°	1873.4	1873.0	1941.4	2013.4	2090.2	2122.2	2057.4	1996.6	1897.8	1812.6	1795.3
62.5°	1923.4	1931.8	2043.8	2222.3	2411.9	2525.2	2354.3	2153.1	1962.2	1833.8	1811.0
65°	1800.1	1821.0	1980.2	2261.9	2636.4	2913.3	2527.6	2156.7	1890.6	1730.5	1706.5
67.5°	1326.8	1368.4	1579.3	2041.0	2617.2	3012.9	2496.8	1957.0	1642.1	1451.6	1418.4
70°	654.6	694.2	861.5	1342.8	2153.5	2693.2	2160.3	1474.8	1109.1	925.9	895.5
72.5°	240.9	256.9	322.5	574.6	1188.4	1989.4	1477.3	823.9	537.4	427.7	407.3
75°	118.0	120.8	130.8	192.9	438.5	936.3	694.2	316.1	197.7	172.1	166.5
77.5°	75.2	76.4	81.2	92.0	140.8	294.9	210.5	124.8	96.8	92.8	92.8
80°	42.0	43.2	49.6	57.2	66.0	101.2	75.6	74.8	63.6	55.6	54.4
82.5°	20.0	22.0	31.6	31.2	34.8	50.8	44.4	40.4	40.8	30.8	29.2
85°	9.2	9.2	12.4	14.8	15.6	17.2	20.4	23.2	22.8	15.6	16.8
87.5°	4.4	4.4	4.4	4.0	3.6	3.2	4.4	7.2	10.4	7.2	6.8
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)