

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: P634275

Luminaire Tested: GWS-SA3B-740-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634275
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-SA3B-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10771.7 lumens
Efficiency: N/A
Efficacy: 157.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

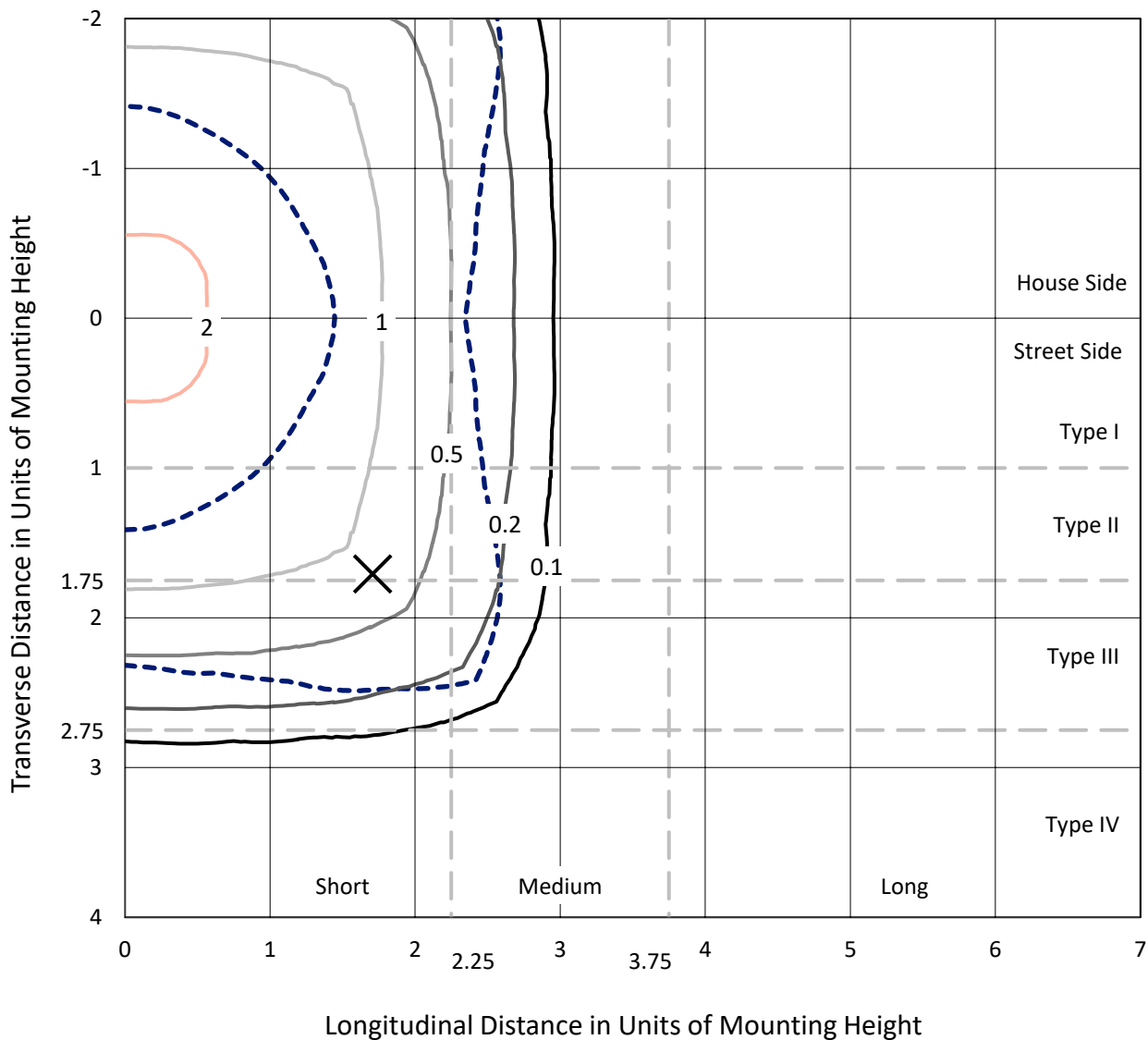
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

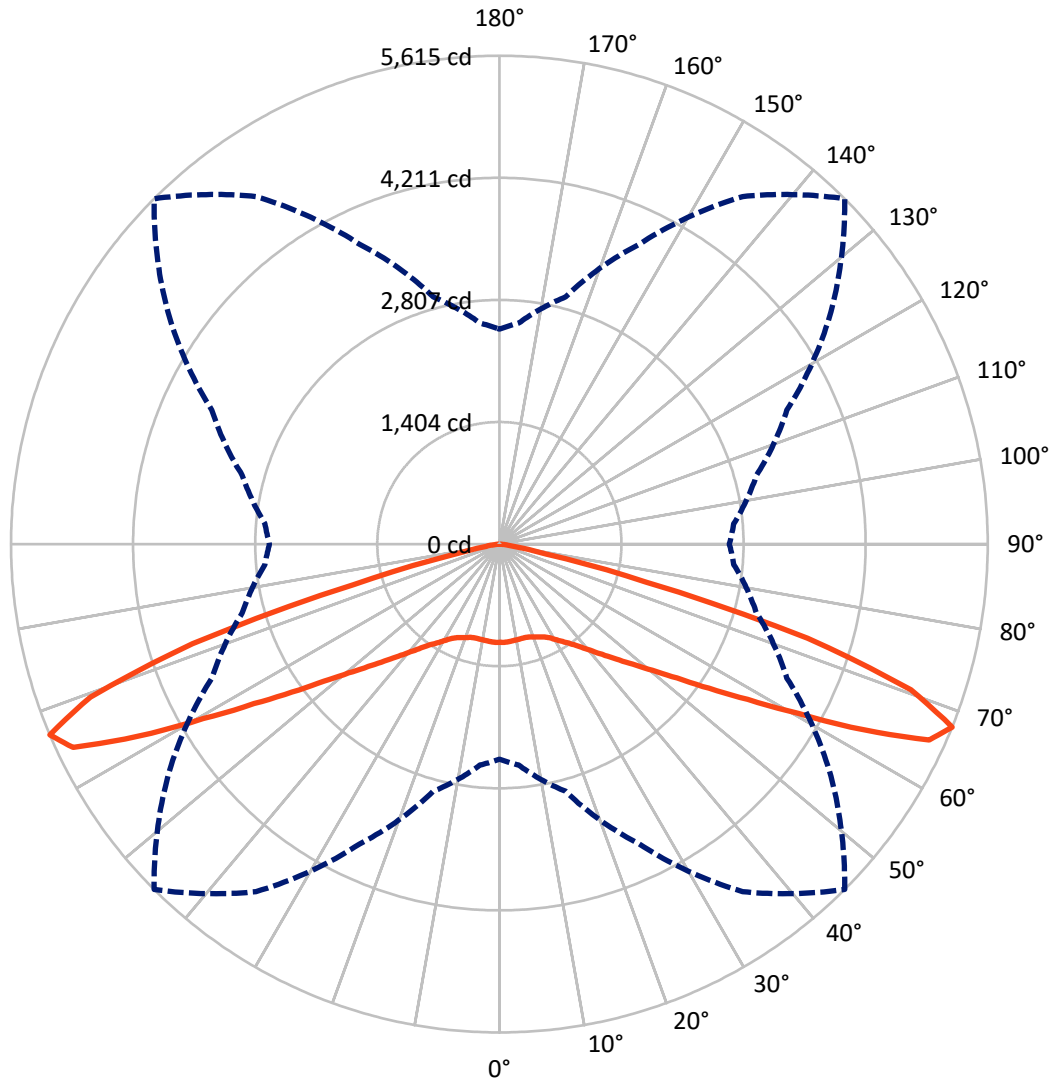
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.8 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	5385.9	0.0	5385.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5385.9	0.0	5385.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	10771.7	0.0	10771.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.8	1.0
10°-20°	313.6	2.9
20°-30°	540.9	5.0
30°-40°	879.5	8.2
40°-50°	1480.9	13.7
50°-60°	2623.9	24.4
60°-70°	3750.6	34.8
70°-80°	1029.4	9.6
80°-90°	46.1	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°	10771.7	100.0
0°-180°	10771.7	100.0

Coefficient of Utilization



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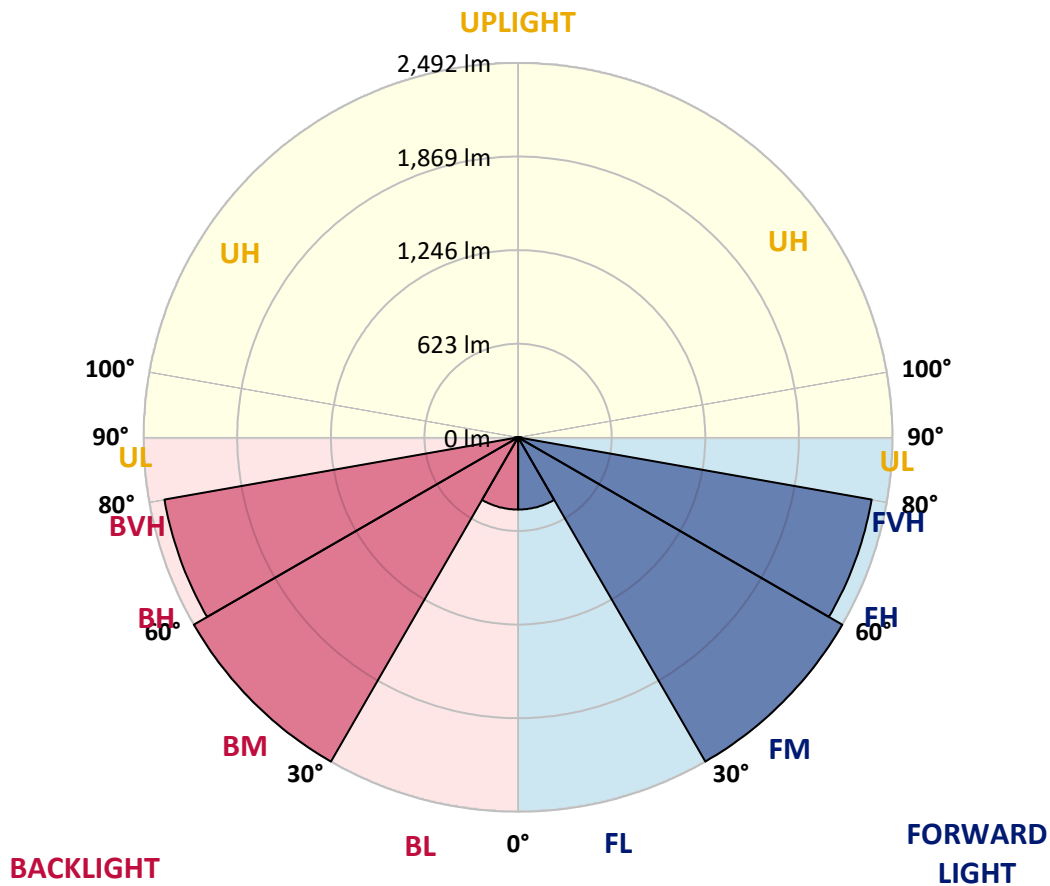
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	480.6	4.5			
FM (30°-60°)	2492.1	23.1			
FH (60°-80°)	2390.0	22.2			G2/5000
FVH (80°-90°)	23.1	0.2			G1/100
BL (0°-30°)	480.6	4.5	B1/500		
BM (30°-60°)	2492.1	23.1	B2/2500		
BH (60°-80°)	2390.0	22.2	B3/2500		G2/5000
BVH (80°-90°)	23.1	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1128.1	1128.1	1128.1	1128.1	1128.1	1128.1	1128.1	1128.1	1128.1	1128.1	1128.1
2.5°	1120.7	1119.9	1123.7	1125.9	1125.2	1130.4	1129.6	1128.1	1128.1	1125.9	1131.9
5°	1120.7	1119.9	1122.9	1123.7	1122.2	1126.7	1125.2	1123.7	1123.7	1120.7	1125.9
7.5°	1114.7	1115.5	1117.7	1119.2	1117.7	1121.4	1119.2	1116.2	1115.5	1112.5	1117.7
10°	1103.5	1104.3	1106.5	1110.3	1111.0	1117.7	1114.0	1108.8	1106.5	1103.5	1108.8
12.5°	1096.8	1097.6	1099.8	1104.3	1105.8	1114.7	1111.0	1102.8	1099.1	1096.1	1101.3
15°	1095.3	1096.1	1099.1	1103.5	1105.8	1114.7	1111.0	1101.3	1096.1	1092.4	1096.8
17.5°	1095.3	1096.8	1101.3	1108.0	1112.5	1121.4	1117.0	1105.8	1098.3	1091.6	1096.1
20°	1096.1	1098.3	1105.0	1114.7	1125.9	1138.6	1132.6	1117.7	1107.3	1099.1	1102.0
22.5°	1102.8	1106.5	1114.7	1127.4	1143.8	1158.7	1153.5	1133.4	1118.5	1107.3	1110.3
25°	1125.9	1127.4	1137.8	1154.2	1169.9	1182.6	1177.4	1158.7	1140.1	1126.7	1130.4
27.5°	1166.9	1170.6	1179.6	1196.7	1210.2	1216.9	1216.1	1203.5	1184.8	1172.9	1175.9
30°	1216.1	1219.9	1231.8	1251.2	1264.6	1272.1	1269.8	1260.1	1243.0	1226.6	1229.6
32.5°	1273.5	1275.0	1289.2	1310.8	1325.0	1336.2	1328.7	1318.3	1296.7	1277.3	1278.8
35°	1346.6	1348.9	1363.8	1383.9	1395.1	1404.0	1402.5	1392.1	1369.0	1348.1	1353.3
37.5°	1438.3	1439.8	1453.2	1478.6	1487.5	1494.3	1495.7	1490.5	1466.7	1439.8	1445.0
40°	1552.4	1553.2	1568.1	1590.4	1600.1	1604.6	1605.4	1606.1	1581.5	1561.4	1559.9
42.5°	1685.1	1688.9	1709.7	1731.4	1735.8	1733.6	1741.1	1748.5	1724.7	1697.1	1699.3
45°	1844.0	1846.2	1874.5	1898.4	1890.2	1882.7	1896.9	1911.8	1890.2	1854.4	1844.0
47.5°	2031.9	2036.3	2066.9	2090.8	2077.3	2063.9	2087.0	2102.7	2067.6	2029.6	2019.9
50°	2244.4	2247.3	2290.6	2320.4	2304.8	2280.2	2309.2	2325.6	2278.7	2231.7	2210.8
52.5°	2495.6	2489.7	2547.1	2599.3	2589.6	2557.5	2581.4	2584.4	2514.3	2447.9	2427.0
55°	2802.1	2796.1	2853.5	2911.0	2934.8	2926.6	2915.4	2897.5	2793.9	2723.1	2703.7
57.5°	3159.3	3140.6	3221.1	3298.7	3350.9	3365.8	3318.1	3276.3	3194.3	3107.1	3084.7
60°	3491.1	3490.3	3617.8	3752.0	3895.2	3954.8	3834.1	3720.7	3536.5	3377.7	3345.7
62.5°	3584.3	3599.9	3808.7	4141.3	4494.7	4705.7	4387.3	4012.3	3656.6	3417.2	3374.7
65°	3354.6	3393.4	3690.1	4215.1	4913.0	5429.0	4710.2	4019.0	3523.1	3224.9	3180.1
67.5°	2472.5	2550.1	2943.0	3803.5	4877.2	5614.6	4652.8	3646.9	3060.1	2705.2	2643.3
70°	1219.9	1293.7	1605.4	2502.4	4013.0	5018.9	4025.7	2748.4	2066.9	1725.4	1668.7
72.5°	448.9	478.7	601.0	1070.7	2214.5	3707.3	2752.9	1535.3	1001.4	797.1	759.1
75°	220.0	225.2	243.8	359.4	817.2	1744.8	1293.7	589.1	368.3	320.6	310.2
77.5°	140.2	142.4	151.4	171.5	262.5	549.5	392.2	232.6	180.4	173.0	173.0
80°	78.3	80.5	92.5	106.6	123.0	188.6	140.9	139.4	118.6	103.6	101.4
82.5°	37.3	41.0	58.9	58.2	64.9	94.7	82.8	75.3	76.1	57.4	54.4
85°	17.1	17.1	23.1	27.6	29.1	32.1	38.0	43.2	42.5	29.1	31.3
87.5°	8.2	8.2	8.2	7.5	6.7	6.0	8.2	13.4	19.4	13.4	12.7
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)