

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: P631910

Luminaire Tested: GWS-SA2B-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631910
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-SA2B-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7210.4 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

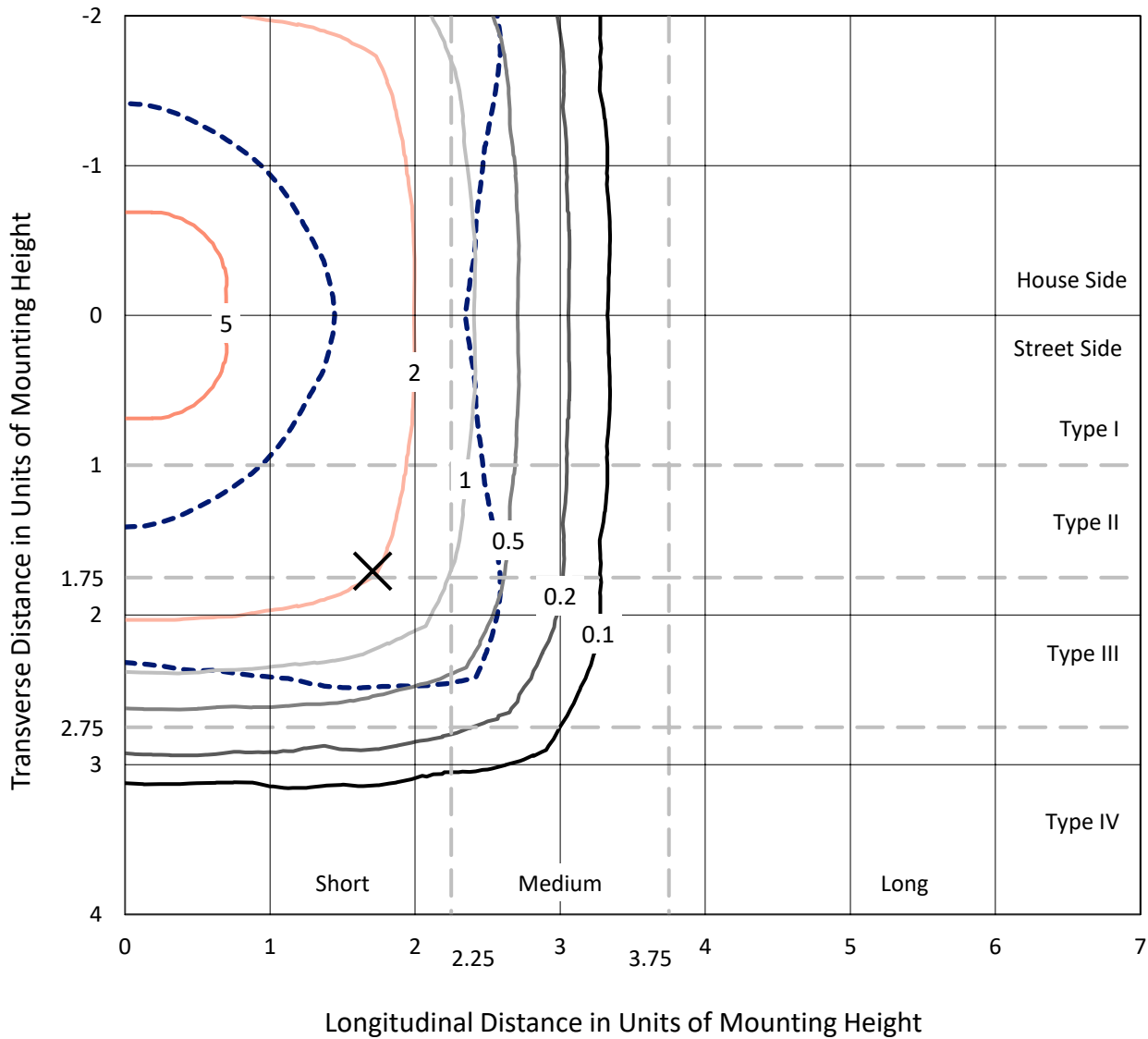
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

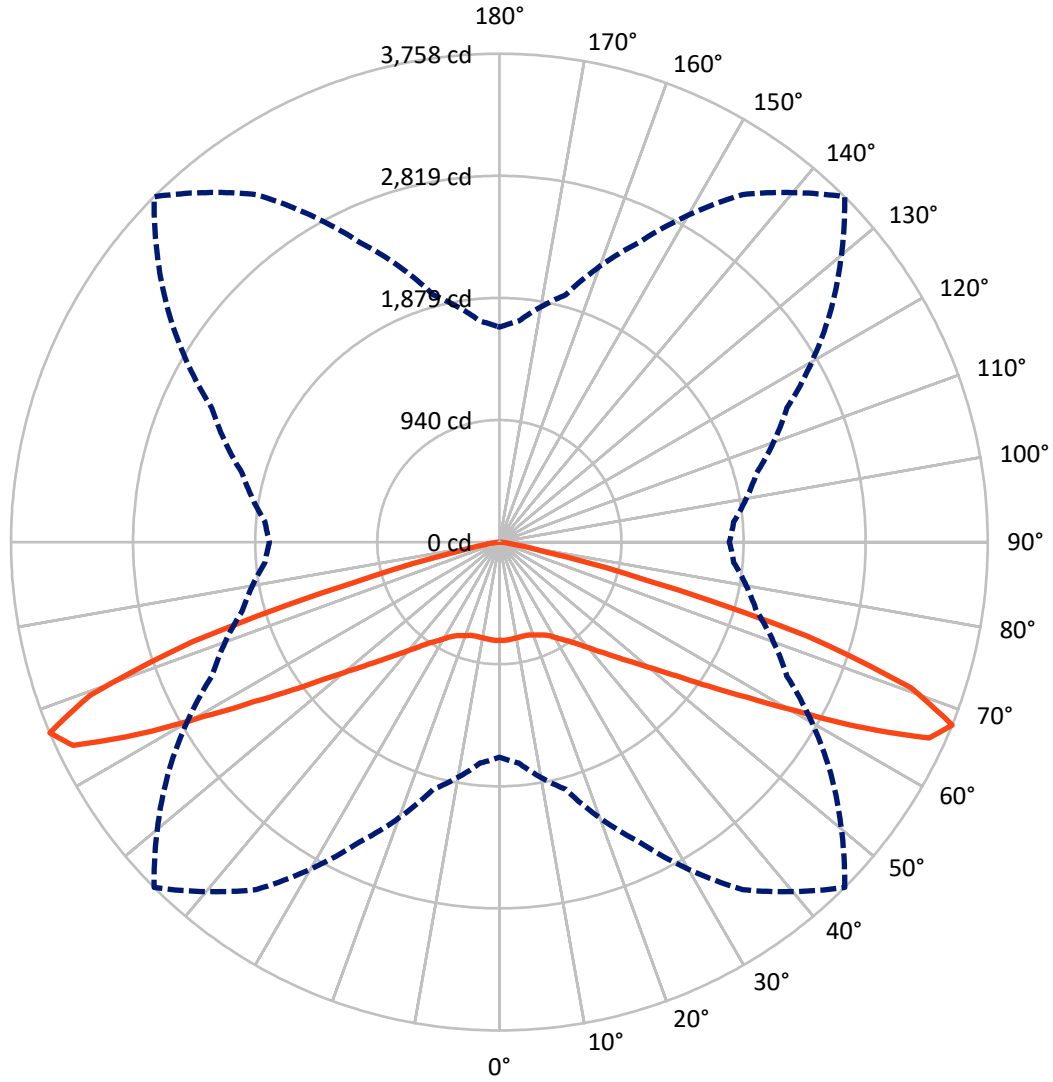
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 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	3605.2	0.0	3605.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3605.2	0.0	3605.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7210.4	0.0	7210.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	1.0
10°-20°	209.9	2.9
20°-30°	362.1	5.0
30°-40°	588.7	8.2
40°-50°	991.3	13.7
50°-60°	1756.4	24.4
60°-70°	2510.6	34.8
70°-80°	689.1	9.6
80°-90°	30.9	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°	7210.4	100.0
0°-180°	7210.4	100.0

Coefficient of Utilization



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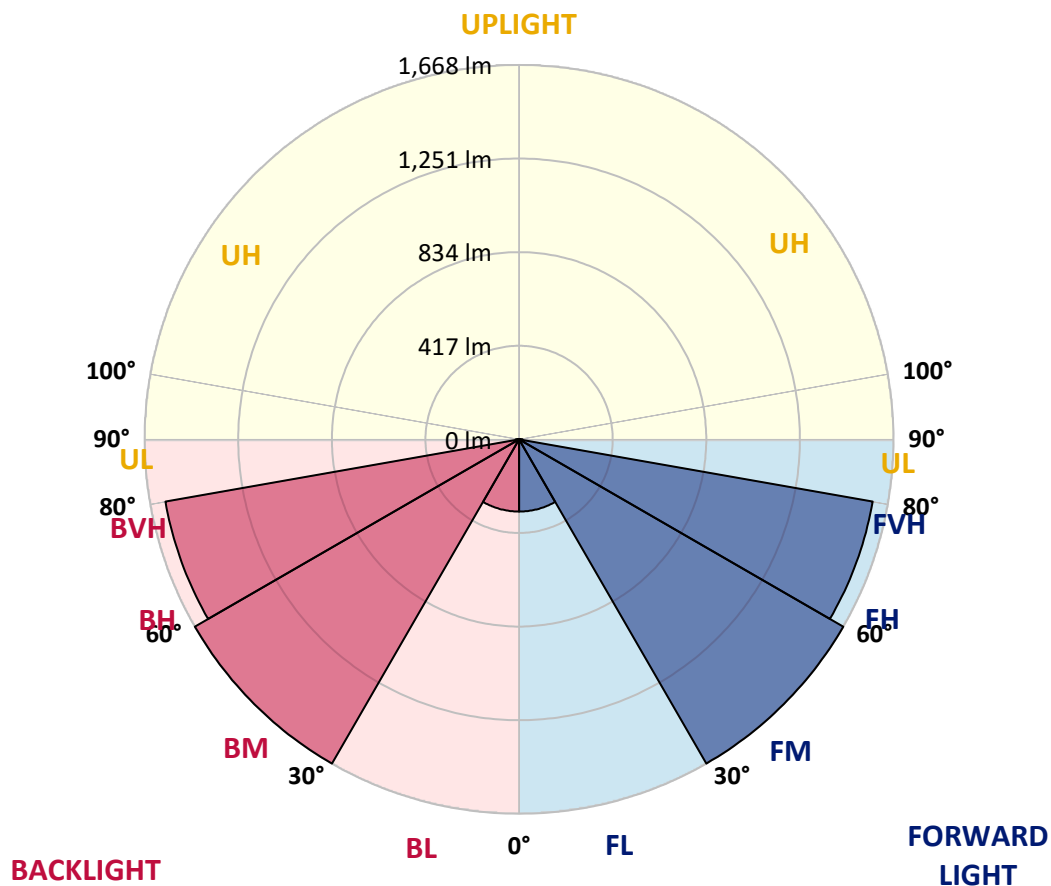
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	321.7	4.5			
FM (30°-60°)	1668.2	23.1			
FH (60°-80°)	1599.8	22.2			G1/1800
FVH (80°-90°)	15.4	0.2			G1/100
BL (0°-30°)	321.7	4.5	B1/500		
BM (30°-60°)	1668.2	23.1	B2/2500		
BH (60°-80°)	1599.8	22.2	B3/2500		G1/1800
BVH (80°-90°)	15.4	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°	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2	755.2
2.5°	750.2	749.7	752.2	753.7	753.2	756.7	756.2	755.2	755.2	753.7	757.7
5°	750.2	749.7	751.7	752.2	751.2	754.2	753.2	752.2	752.2	750.2	753.7
7.5°	746.2	746.7	748.2	749.2	748.2	750.7	749.2	747.2	746.7	744.7	748.2
10°	738.7	739.2	740.7	743.2	743.7	748.2	745.7	742.2	740.7	738.7	742.2
12.5°	734.2	734.7	736.2	739.2	740.2	746.2	743.7	738.2	735.7	733.7	737.2
15°	733.2	733.7	735.7	738.7	740.2	746.2	743.7	737.2	733.7	731.2	734.2
17.5°	733.2	734.2	737.2	741.7	744.7	750.7	747.7	740.2	735.2	730.7	733.7
20°	733.7	735.2	739.7	746.2	753.7	762.1	758.2	748.2	741.2	735.7	737.7
22.5°	738.2	740.7	746.2	754.7	765.6	775.6	772.1	758.7	748.7	741.2	743.2
25°	753.7	754.7	761.7	772.6	783.1	791.6	788.1	775.6	763.1	754.2	756.7
27.5°	781.1	783.6	789.6	801.1	810.1	814.6	814.1	805.6	793.1	785.1	787.1
30°	814.1	816.6	824.5	837.5	846.5	851.5	850.0	843.5	832.0	821.0	823.0
32.5°	852.5	853.5	863.0	877.4	886.9	894.4	889.4	882.4	868.0	855.0	856.0
35°	901.4	902.9	912.9	926.4	933.8	939.8	938.8	931.8	916.4	902.4	905.9
37.5°	962.8	963.8	972.8	989.7	995.7	1000.2	1001.2	997.7	981.8	963.8	967.3
40°	1039.2	1039.7	1049.6	1064.6	1071.1	1074.1	1074.6	1075.1	1058.6	1045.1	1044.2
42.5°	1128.0	1130.5	1144.5	1158.9	1161.9	1160.4	1165.4	1170.4	1154.5	1136.0	1137.5
45°	1234.3	1235.8	1254.8	1270.7	1265.3	1260.3	1269.8	1279.7	1265.3	1241.3	1234.3
47.5°	1360.1	1363.1	1383.5	1399.5	1390.5	1381.6	1397.0	1407.5	1384.0	1358.6	1352.1
50°	1502.3	1504.3	1533.3	1553.2	1542.8	1526.3	1545.8	1556.7	1525.3	1493.9	1479.9
52.5°	1670.5	1666.5	1705.0	1739.9	1733.4	1712.0	1727.9	1729.9	1683.0	1638.6	1624.6
55°	1875.7	1871.7	1910.1	1948.5	1964.5	1959.0	1951.5	1939.6	1870.2	1822.8	1809.8
57.5°	2114.8	2102.3	2156.2	2208.1	2243.0	2253.0	2221.1	2193.1	2138.2	2079.8	2064.8
60°	2336.9	2336.4	2421.7	2511.6	2607.4	2647.3	2566.5	2490.6	2367.3	2261.0	2239.5
62.5°	2399.3	2409.7	2549.5	2772.1	3008.7	3149.9	2936.8	2685.7	2447.7	2287.4	2259.0
65°	2245.5	2271.5	2470.1	2821.5	3288.7	3634.1	3152.9	2690.2	2358.3	2158.7	2128.7
67.5°	1655.1	1707.0	1970.0	2546.0	3264.7	3758.3	3114.5	2441.2	2048.4	1810.8	1769.4
70°	816.6	866.0	1074.6	1675.0	2686.2	3359.5	2694.7	1839.7	1383.5	1155.0	1117.0
72.5°	300.5	320.4	402.3	716.7	1482.4	2481.6	1842.7	1027.7	670.3	533.6	508.1
75°	147.2	150.7	163.2	240.6	547.0	1167.9	866.0	394.3	246.6	214.6	207.6
77.5°	93.8	95.3	101.3	114.8	175.7	367.8	262.5	155.7	120.8	115.8	115.8
80°	52.4	53.9	61.9	71.4	82.4	126.3	94.3	93.3	79.4	69.4	67.9
82.5°	25.0	27.5	39.4	38.9	43.4	63.4	55.4	50.4	50.9	38.4	36.4
85°	11.5	11.5	15.5	18.5	19.5	21.5	25.5	28.9	28.4	19.5	21.0
87.5°	5.5	5.5	5.5	5.0	4.5	4.0	5.5	9.0	13.0	9.0	8.5
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)