

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: P636536

Luminaire Tested: GWS-SA4B-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636536
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-SA4B-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10808.8 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

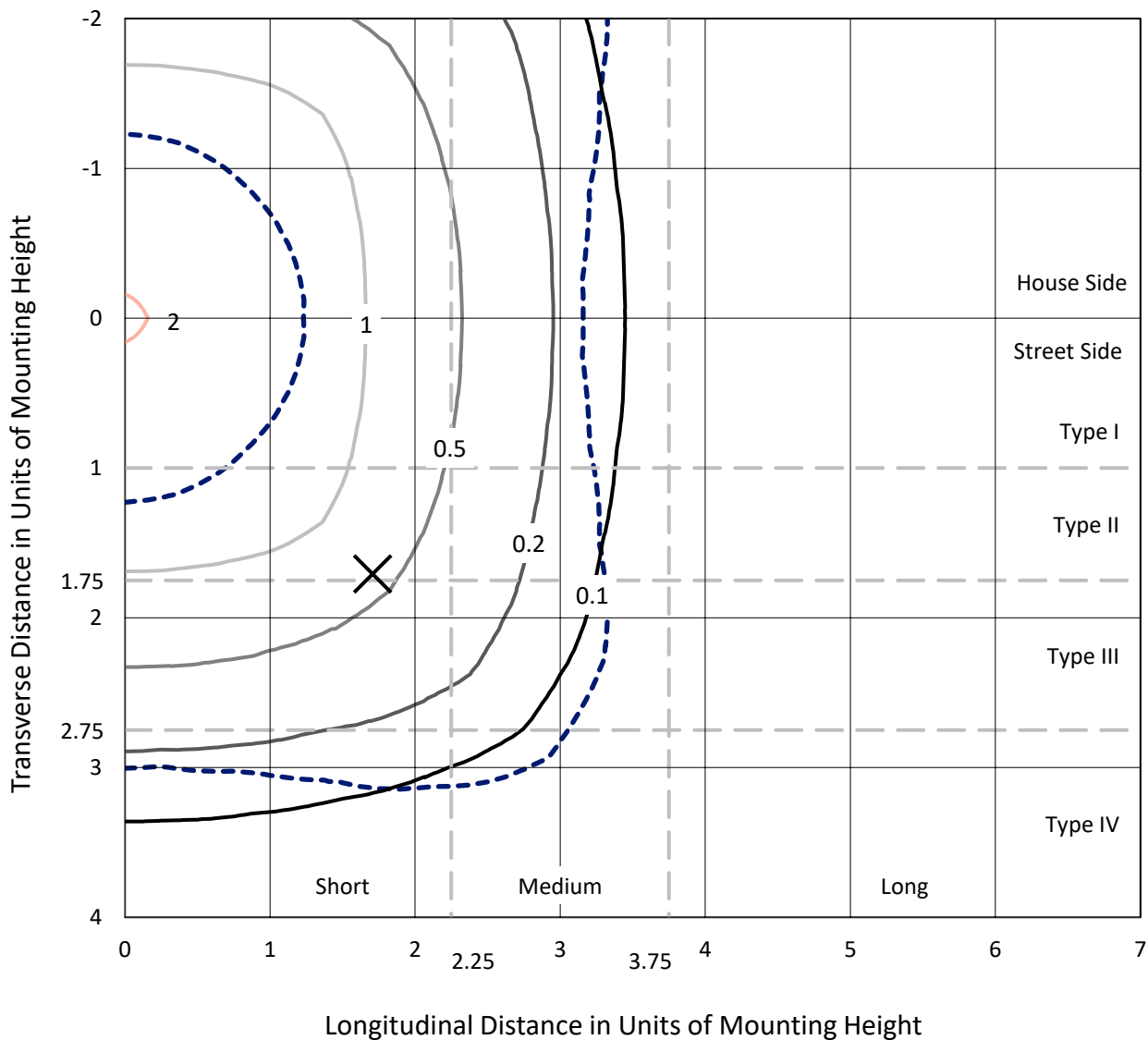
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

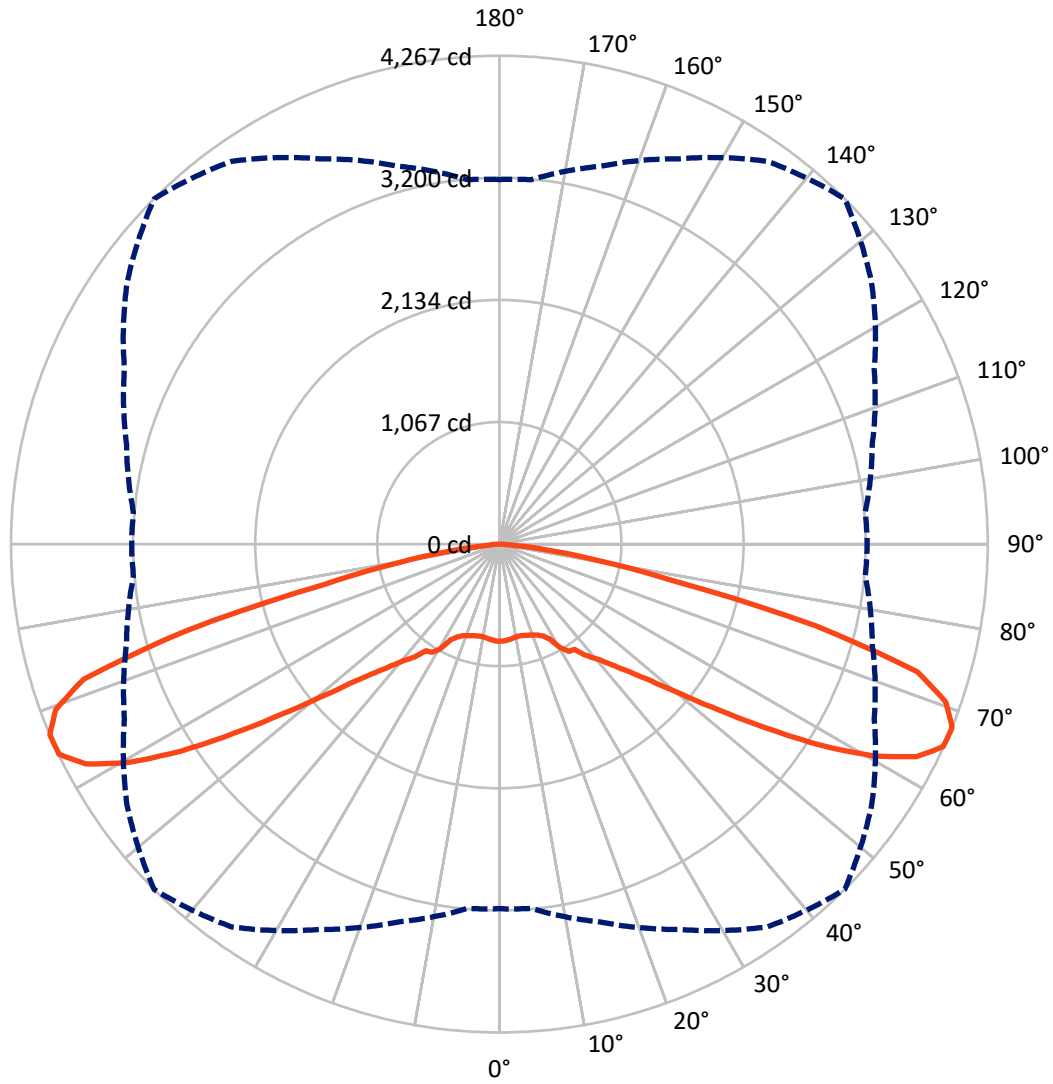
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.1 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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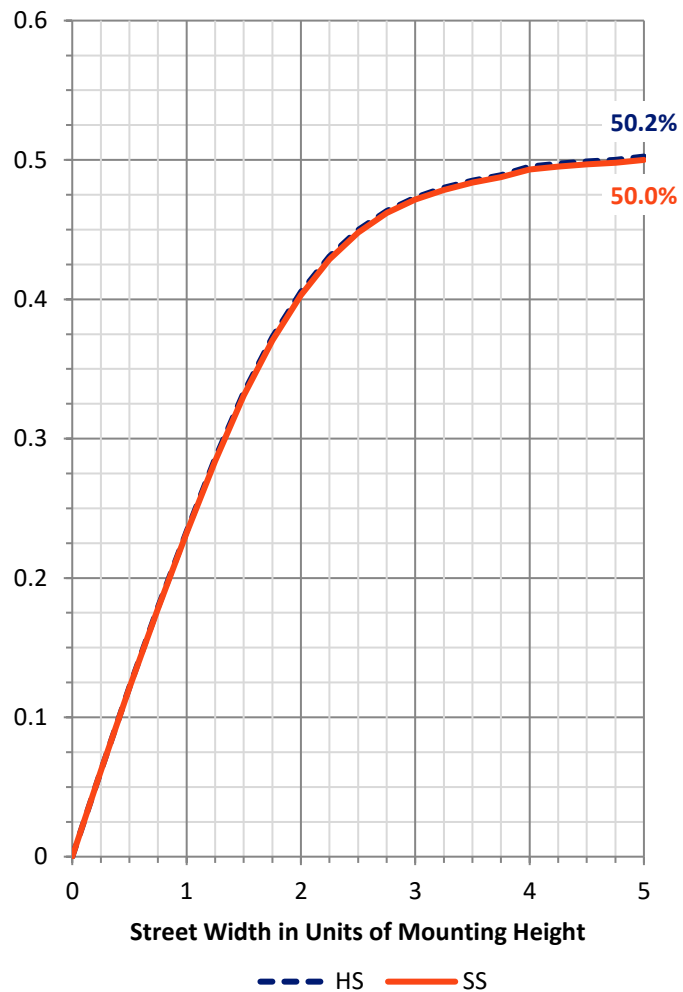
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5404.4	0.0	5404.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5404.4	0.0	5404.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	10808.8	0.0	10808.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	0.7
10°-20°	236.2	2.2
20°-30°	423.7	3.9
30°-40°	715.7	6.6
40°-50°	1257.5	11.6
50°-60°	2425.7	22.4
60°-70°	3519.4	32.6
70°-80°	2013.6	18.6
80°-90°	137.4	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°	10808.8	100.0
0°-180°	10808.8	100.0

Coefficient of Utilization



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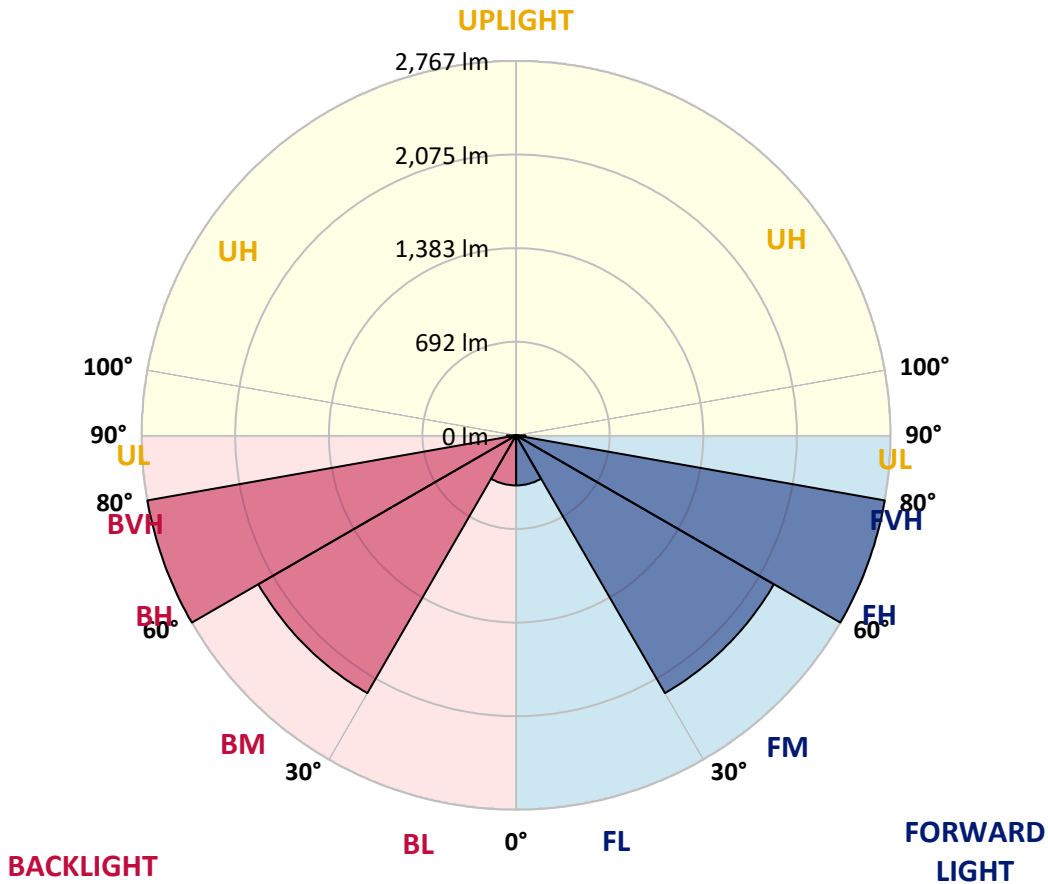
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.7	3.4			
FM (30°-60°)	2199.5	20.3			
FH (60°-80°)	2766.5	25.6			G2/5000
FVH (80°-90°)	68.7	0.6			G1/100
BL (0°-30°)	369.7	3.4	B1/500		
BM (30°-60°)	2199.5	20.3	B2/2500		
BH (60°-80°)	2766.5	25.6	B4/5000		G2/5000
BVH (80°-90°)	68.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	847.6	847.6	847.6	847.6	847.6	847.6	847.6	847.6	847.6	847.6	847.6
2.5°	840.8	841.5	843.0	843.0	844.6	846.9	847.6	846.1	846.9	843.0	846.9
5°	838.5	839.2	840.0	838.5	838.5	839.2	839.2	837.7	838.5	834.6	838.5
7.5°	833.1	833.9	833.9	831.6	829.3	830.8	830.8	829.3	830.1	826.2	830.8
10°	828.5	828.5	827.8	823.2	820.9	823.2	823.9	824.7	827.8	824.7	830.1
12.5°	831.6	831.6	829.3	823.2	819.4	820.9	822.4	823.9	829.3	828.5	834.6
15°	840.0	840.8	834.6	827.8	825.5	827.8	826.2	825.5	832.3	834.6	841.5
17.5°	846.9	846.9	839.2	832.3	833.1	836.9	833.9	830.1	836.9	841.5	849.2
20°	853.0	852.2	843.8	839.2	842.3	847.6	845.3	840.0	844.6	849.9	856.8
22.5°	868.3	867.5	858.3	856.0	859.1	864.4	862.2	857.6	862.9	870.6	879.0
25°	911.8	910.3	896.5	888.9	887.4	891.2	890.4	888.9	897.3	906.5	916.4
27.5°	969.9	969.2	959.2	951.6	941.6	938.6	940.9	947.8	960.0	966.9	975.3
30°	999.0	999.0	997.4	1009.7	1031.1	1051.7	1035.7	1009.7	999.0	995.9	1004.3
32.5°	1037.2	1041.0	1035.7	1049.4	1085.3	1115.9	1085.3	1043.3	1035.7	1035.7	1044.8
35°	1125.1	1126.6	1118.2	1115.9	1127.4	1131.2	1116.7	1101.4	1109.8	1111.3	1122.8
37.5°	1195.4	1195.4	1191.6	1197.7	1221.4	1235.9	1212.2	1184.7	1187.0	1188.5	1203.0
40°	1303.9	1307.0	1297.8	1297.1	1306.2	1319.2	1294.0	1276.4	1288.6	1292.5	1314.6
42.5°	1439.2	1439.2	1425.5	1421.6	1427.7	1441.5	1417.8	1406.3	1422.4	1425.5	1438.4
45°	1600.5	1604.3	1586.0	1579.1	1582.1	1586.7	1569.9	1564.6	1579.8	1586.7	1609.7
47.5°	1796.9	1800.7	1784.7	1783.9	1780.9	1783.9	1767.9	1764.8	1777.0	1771.7	1796.2
50°	2039.2	2046.1	2032.3	2051.4	2049.1	2058.3	2036.1	2020.1	2020.1	2005.6	2019.3
52.5°	2310.5	2324.3	2331.2	2363.3	2387.7	2410.7	2374.0	2348.8	2312.1	2282.3	2319.7
55°	2606.3	2602.5	2646.1	2716.4	2788.2	2842.5	2770.7	2691.2	2631.6	2569.6	2584.2
57.5°	2865.4	2878.4	2935.8	3064.2	3206.3	3321.0	3191.8	3038.9	2903.7	2815.0	2827.2
60°	3081.0	3091.7	3168.1	3353.1	3601.5	3759.7	3554.9	3302.6	3106.2	2983.9	2996.9
62.5°	3279.7	3289.6	3366.8	3570.9	3884.3	4090.6	3826.2	3481.5	3262.9	3139.8	3147.5
65°	3394.3	3400.5	3505.9	3720.7	4050.9	4264.1	3966.1	3610.6	3395.9	3270.5	3275.1
67.5°	3185.7	3195.6	3418.0	3714.6	4083.0	4267.2	3972.2	3614.5	3372.9	3209.4	3213.2
70°	2513.1	2504.7	2769.9	3279.7	3898.8	4138.8	3795.6	3343.1	2970.1	2741.6	2737.8
72.5°	1916.1	1918.4	2066.0	2415.3	3178.8	3819.3	3349.2	2691.9	2289.9	2116.4	2109.5
75°	1389.5	1410.9	1530.9	1787.0	2223.4	2854.7	2521.5	1994.9	1725.8	1621.9	1606.6
77.5°	626.0	653.5	820.9	1122.0	1486.6	1577.6	1583.7	1354.4	1021.9	849.2	822.4
80°	182.7	195.7	251.5	430.3	692.5	895.0	710.8	597.7	372.2	292.0	278.2
82.5°	77.2	87.9	107.8	119.2	201.0	415.0	258.3	164.3	152.9	123.8	113.1
85°	32.9	35.2	45.1	48.2	65.0	88.7	81.8	74.1	71.1	55.0	50.4
87.5°	13.8	13.8	13.8	12.2	11.5	12.2	16.8	21.4	28.3	22.2	20.6
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)