

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: P631861

Luminaire Tested: GWS-SA2B-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631861
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-SA2B-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7156.8 lumens
Efficiency: N/A
Efficacy: 154.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

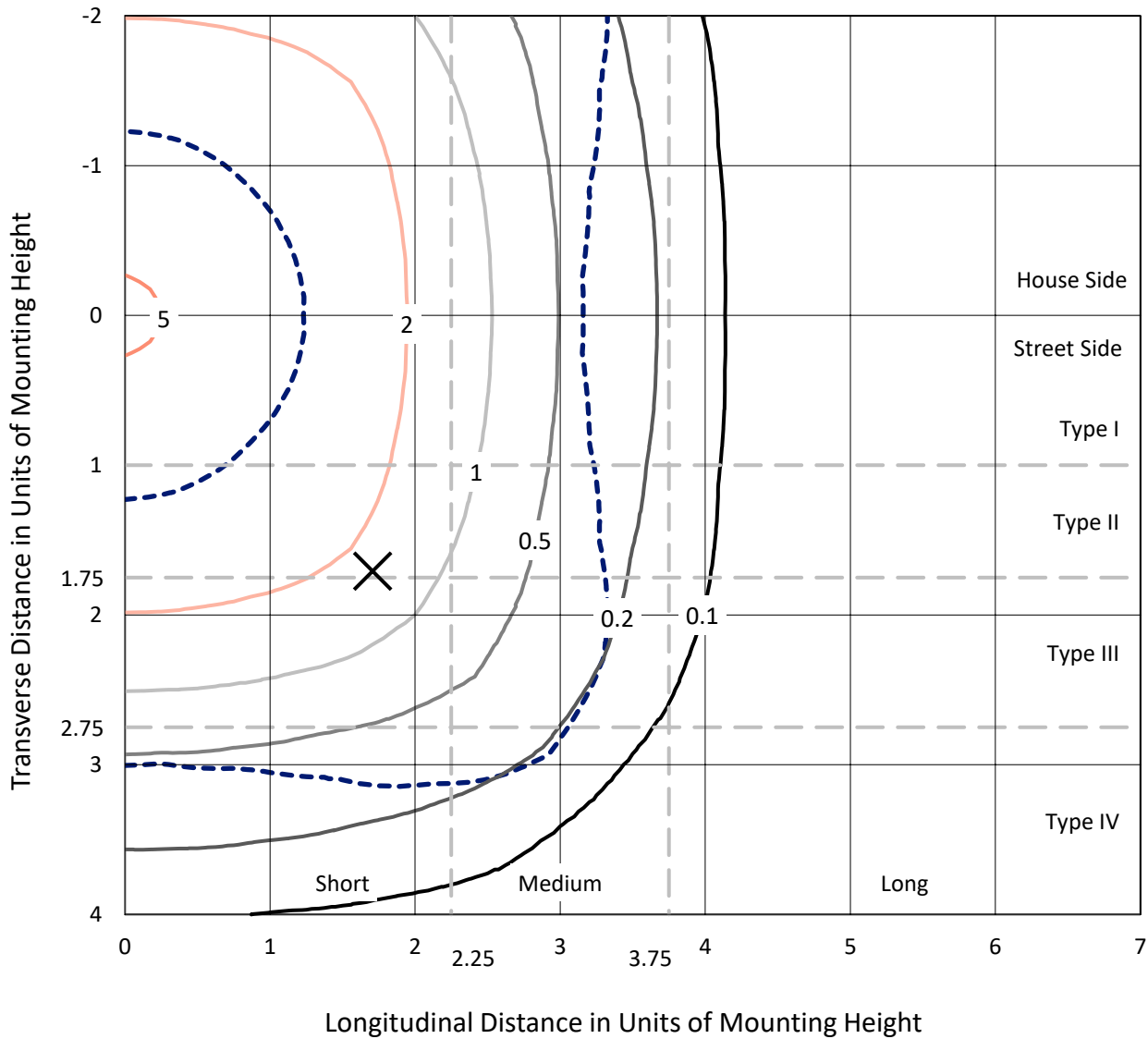
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

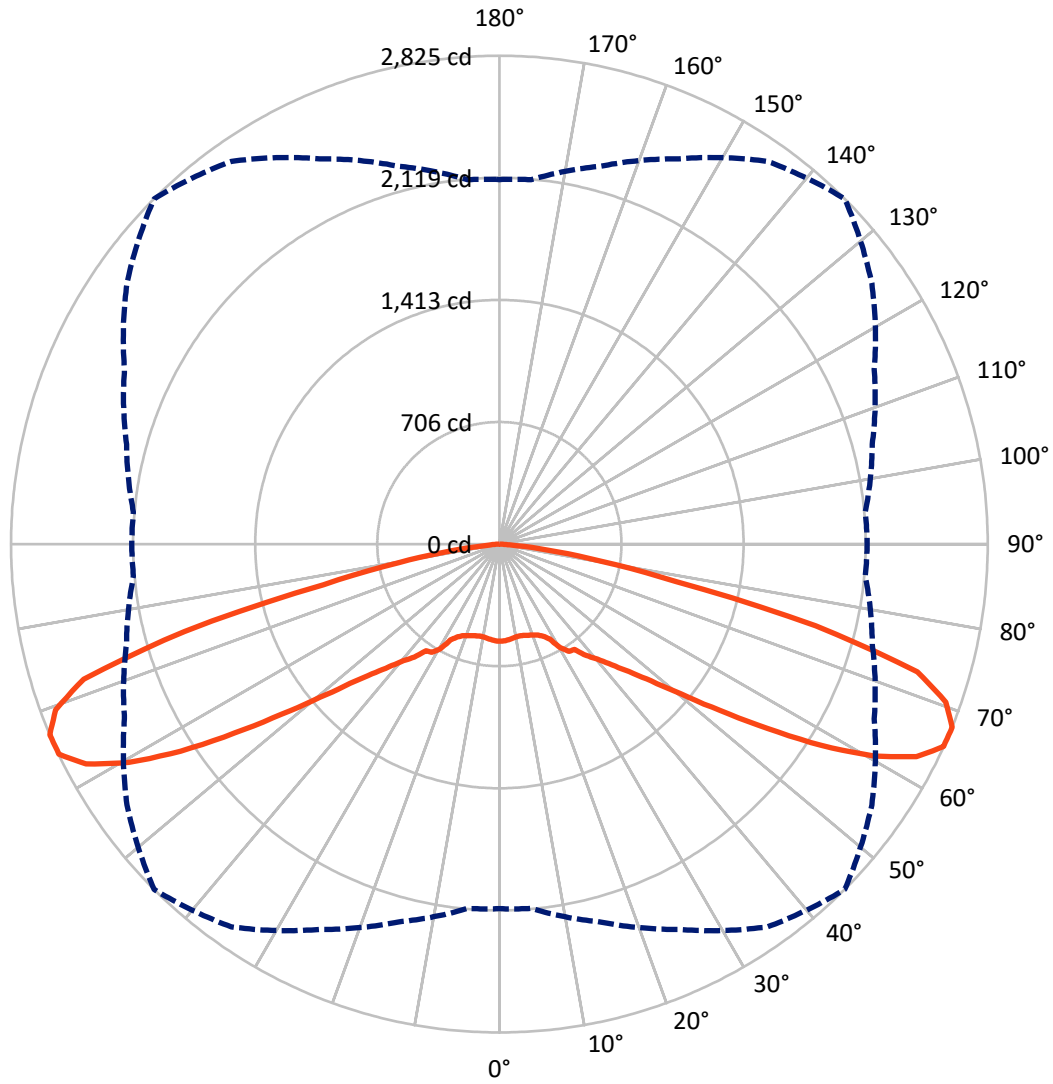
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 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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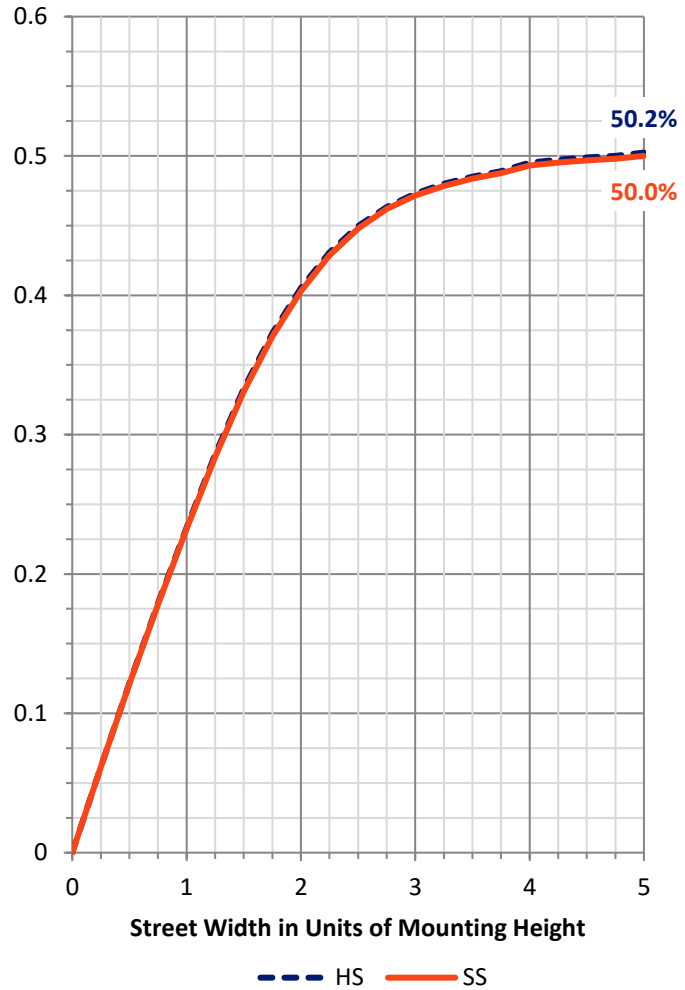
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3578.4	0.0	3578.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3578.4	0.0	3578.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7156.8	0.0	7156.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	0.7
10°-20°	156.4	2.2
20°-30°	280.5	3.9
30°-40°	473.9	6.6
40°-50°	832.6	11.6
50°-60°	1606.1	22.4
60°-70°	2330.3	32.6
70°-80°	1333.3	18.6
80°-90°	91.0	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°	7156.8	100.0
0°-180°	7156.8	100.0

Coefficient of Utilization



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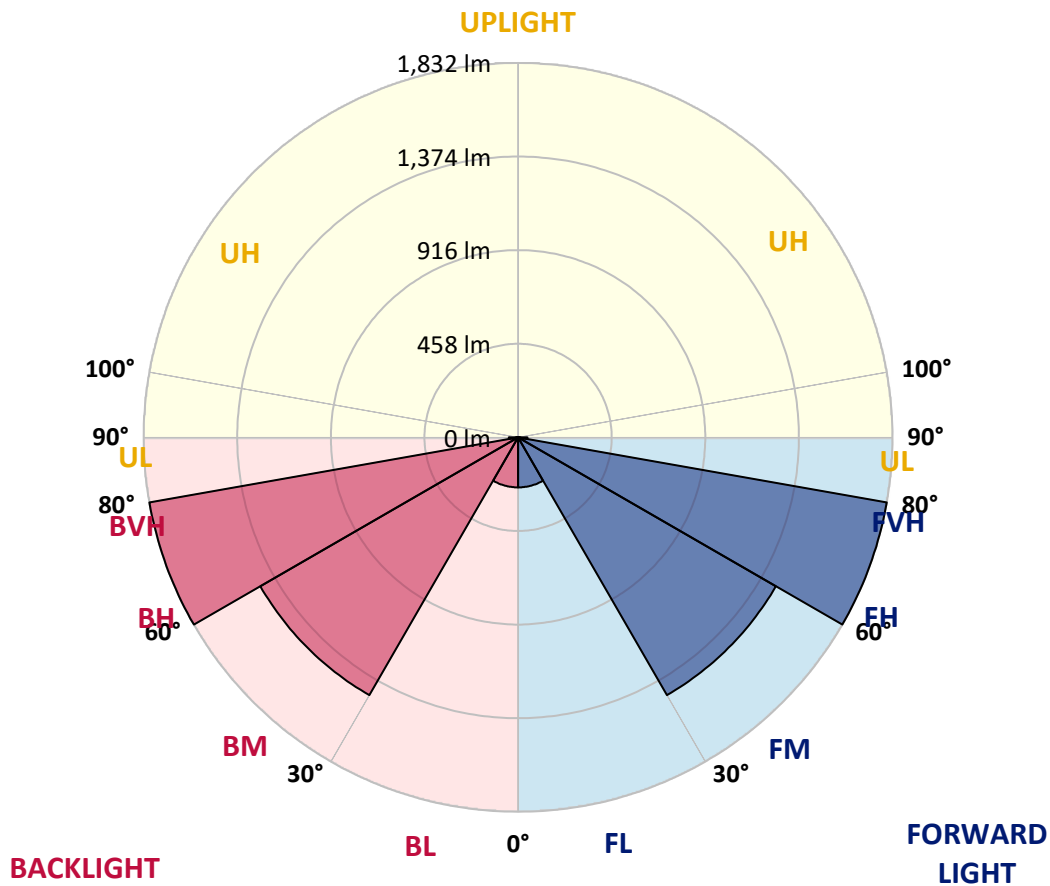
CATALOG NUMBER: GWS-SA2B-750-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.8	3.4			
FM (30°-60°)	1456.3	20.3			
FH (60°-80°)	1831.8	25.6			G2/5000
FVH (80°-90°)	45.5	0.6			G1/100
BL (0°-30°)	244.8	3.4	B1/500		
BM (30°-60°)	1456.3	20.3	B2/2500		
BH (60°-80°)	1831.8	25.6	B3/2500		G2/5000
BVH (80°-90°)	45.5	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°	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2	561.2
2.5°	556.7	557.2	558.2	558.2	559.2	560.7	561.2	560.2	560.7	558.2	560.7
5°	555.2	555.7	556.2	555.2	555.2	555.7	555.7	554.7	555.2	552.6	555.2
7.5°	551.6	552.1	552.1	550.6	549.1	550.1	550.1	549.1	549.6	547.1	550.1
10°	548.6	548.6	548.1	545.0	543.5	545.0	545.6	546.1	548.1	546.1	549.6
12.5°	550.6	550.6	549.1	545.0	542.5	543.5	544.5	545.6	549.1	548.6	552.6
15°	556.2	556.7	552.6	548.1	546.6	548.1	547.1	546.6	551.1	552.6	557.2
17.5°	560.7	560.7	555.7	551.1	551.6	554.2	552.1	549.6	554.2	557.2	562.3
20°	564.8	564.3	558.7	555.7	557.7	561.2	559.7	556.2	559.2	562.8	567.3
22.5°	574.9	574.4	568.3	566.8	568.8	572.4	570.9	567.8	571.4	576.4	582.0
25°	603.7	602.7	593.6	588.6	587.6	590.1	589.6	588.6	594.1	600.2	606.8
27.5°	642.2	641.7	635.1	630.1	623.5	621.5	623.0	627.5	635.6	640.2	645.8
30°	661.4	661.4	660.4	668.5	682.7	696.4	685.7	668.5	661.4	659.4	665.0
32.5°	686.7	689.3	685.7	694.8	718.6	738.9	718.6	690.8	685.7	685.7	691.8
35°	744.9	746.0	740.4	738.9	746.5	749.0	739.4	729.3	734.8	735.8	743.4
37.5°	791.5	791.5	789.0	793.0	808.7	818.3	802.6	784.4	785.9	786.9	796.6
40°	863.4	865.4	859.3	858.8	864.9	873.5	856.8	845.1	853.2	855.8	870.5
42.5°	952.9	952.9	943.8	941.3	945.4	954.5	938.8	931.2	941.8	943.8	952.4
45°	1059.7	1062.3	1050.1	1045.6	1047.6	1050.6	1039.5	1035.9	1046.1	1050.6	1065.8
47.5°	1189.8	1192.3	1181.7	1181.2	1179.2	1181.2	1170.6	1168.5	1176.6	1173.1	1189.3
50°	1350.2	1354.8	1345.7	1358.3	1356.8	1362.9	1348.2	1337.6	1337.6	1327.9	1337.1
52.5°	1529.9	1539.0	1543.5	1564.8	1581.0	1596.2	1571.9	1555.2	1530.9	1511.1	1535.9
55°	1725.7	1723.2	1752.0	1798.6	1846.2	1882.1	1834.5	1781.9	1742.4	1701.4	1711.0
57.5°	1897.3	1905.9	1943.8	2028.9	2123.0	2198.9	2113.4	2012.2	1922.6	1863.9	1872.0
60°	2040.0	2047.1	2097.7	2220.2	2384.6	2489.4	2353.8	2186.8	2056.7	1975.7	1984.3
62.5°	2171.6	2178.2	2229.3	2364.4	2571.9	2708.5	2533.4	2305.2	2160.4	2079.0	2084.0
65°	2247.5	2251.5	2321.4	2463.6	2682.2	2823.4	2626.0	2390.7	2248.5	2165.5	2168.5
67.5°	2109.3	2115.9	2263.2	2459.5	2703.5	2825.4	2630.1	2393.2	2233.3	2125.0	2127.5
70°	1664.0	1658.4	1834.0	2171.6	2581.5	2740.4	2513.2	2213.6	1966.6	1815.3	1812.8
72.5°	1268.7	1270.3	1367.9	1599.2	2104.8	2528.9	2217.6	1782.4	1516.2	1401.3	1396.8
75°	920.0	934.2	1013.7	1183.2	1472.2	1890.2	1669.5	1320.9	1142.7	1073.9	1063.8
77.5°	414.5	432.7	543.5	742.9	984.3	1044.5	1048.6	896.8	676.6	562.3	544.5
80°	121.0	129.6	166.5	284.9	458.5	592.6	470.7	395.8	246.5	193.3	184.2
82.5°	51.1	58.2	71.4	78.9	133.1	274.8	171.1	108.8	101.2	82.0	74.9
85°	21.8	23.3	29.9	31.9	43.0	58.7	54.2	49.1	47.1	36.4	33.4
87.5°	9.1	9.1	9.1	8.1	7.6	8.1	11.1	14.2	18.7	14.7	13.7
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)