

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: P631913

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7277.3 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

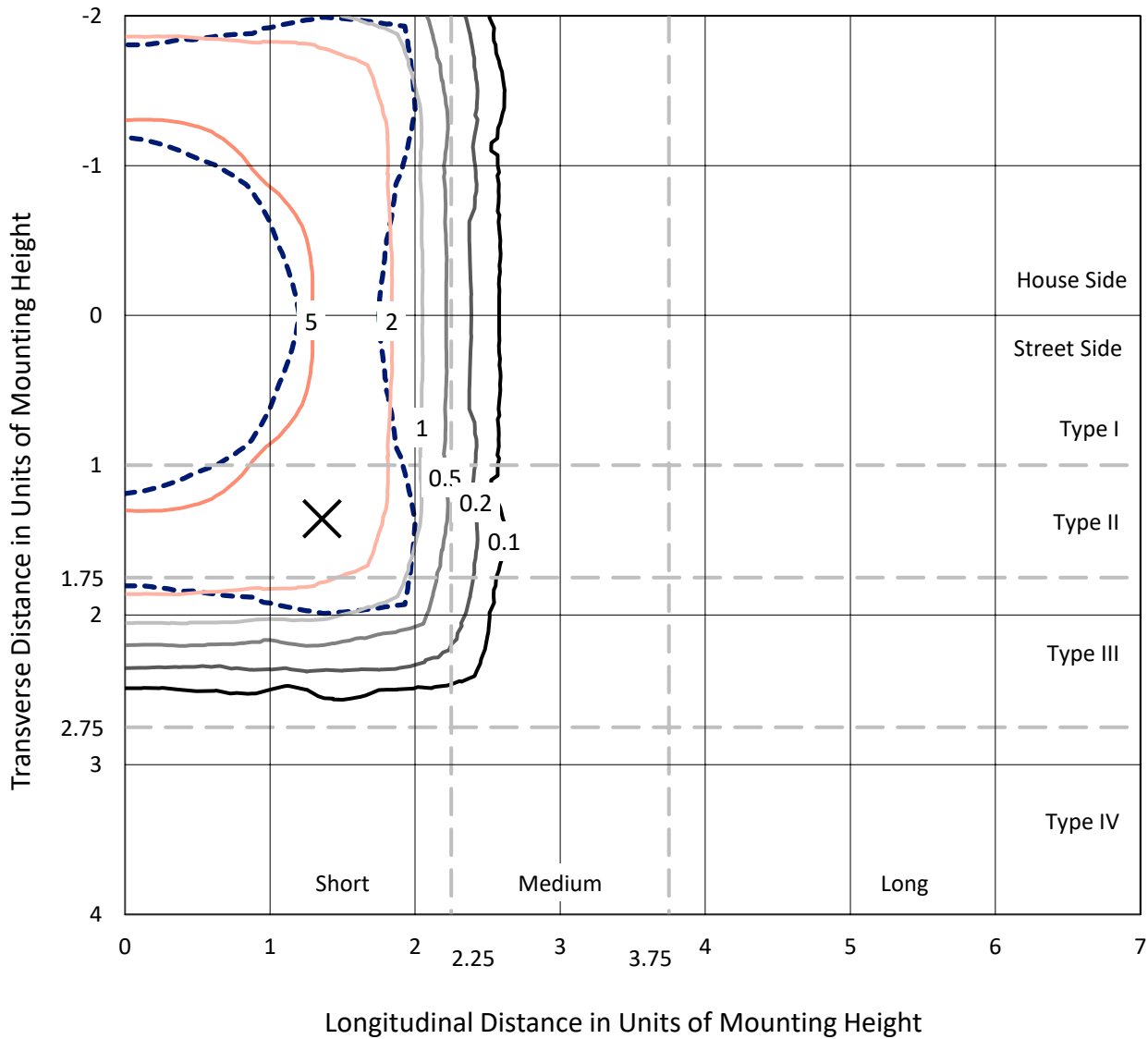
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

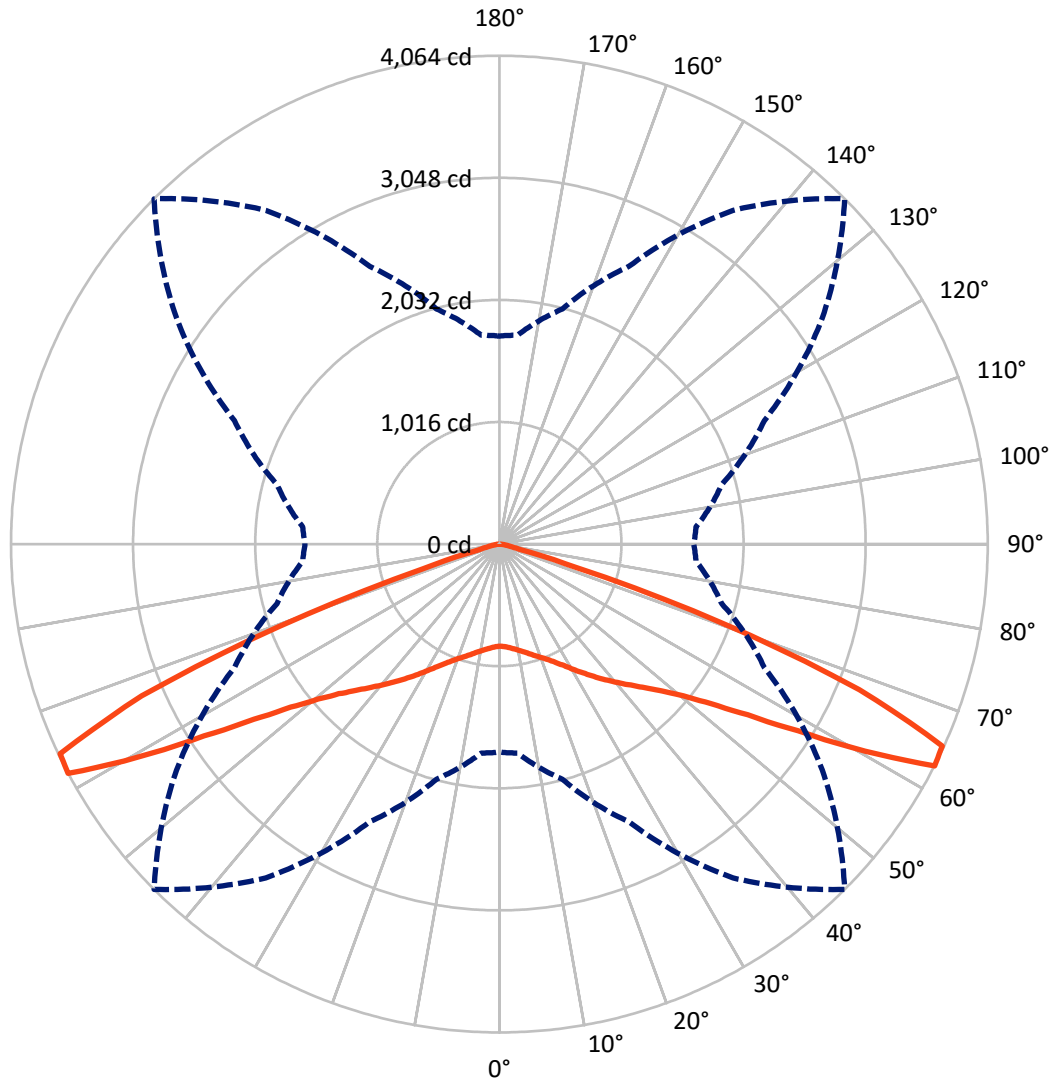
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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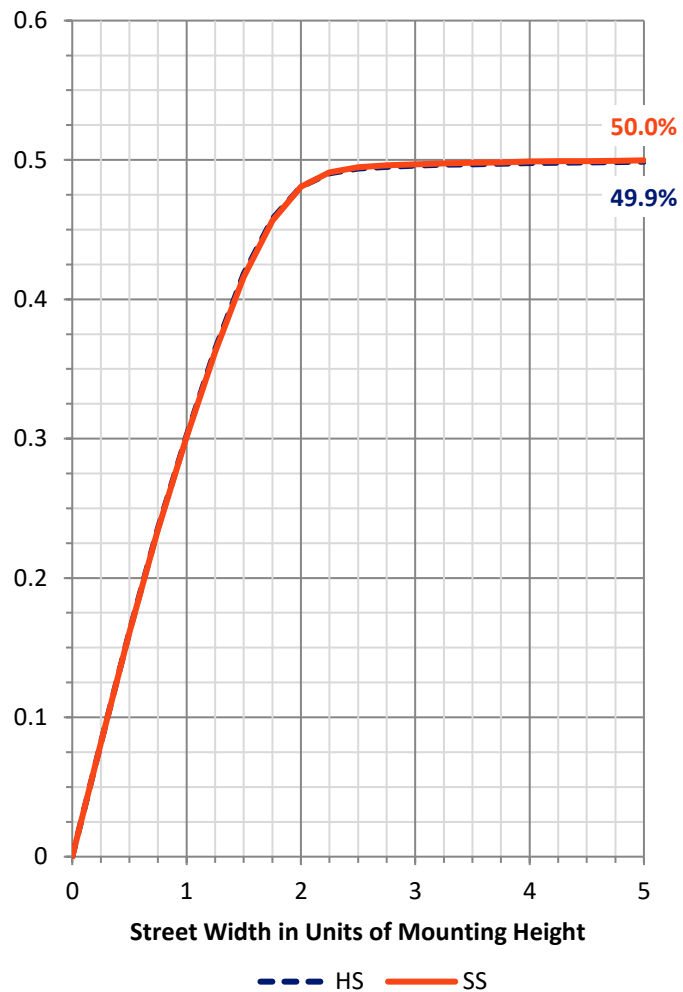
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3638.7	0.0	3638.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3638.7	0.0	3638.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	7277.3	0.0	7277.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	1.1
10°-20°	268.6	3.7
20°-30°	508.2	7.0
30°-40°	855.4	11.8
40°-50°	1366.6	18.8
50°-60°	2203.0	30.3
60°-70°	1797.4	24.7
70°-80°	174.5	2.4
80°-90°	20.3	0.3
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°	7277.3	100.0
0°-180°	7277.3	100.0

Coefficient of Utilization



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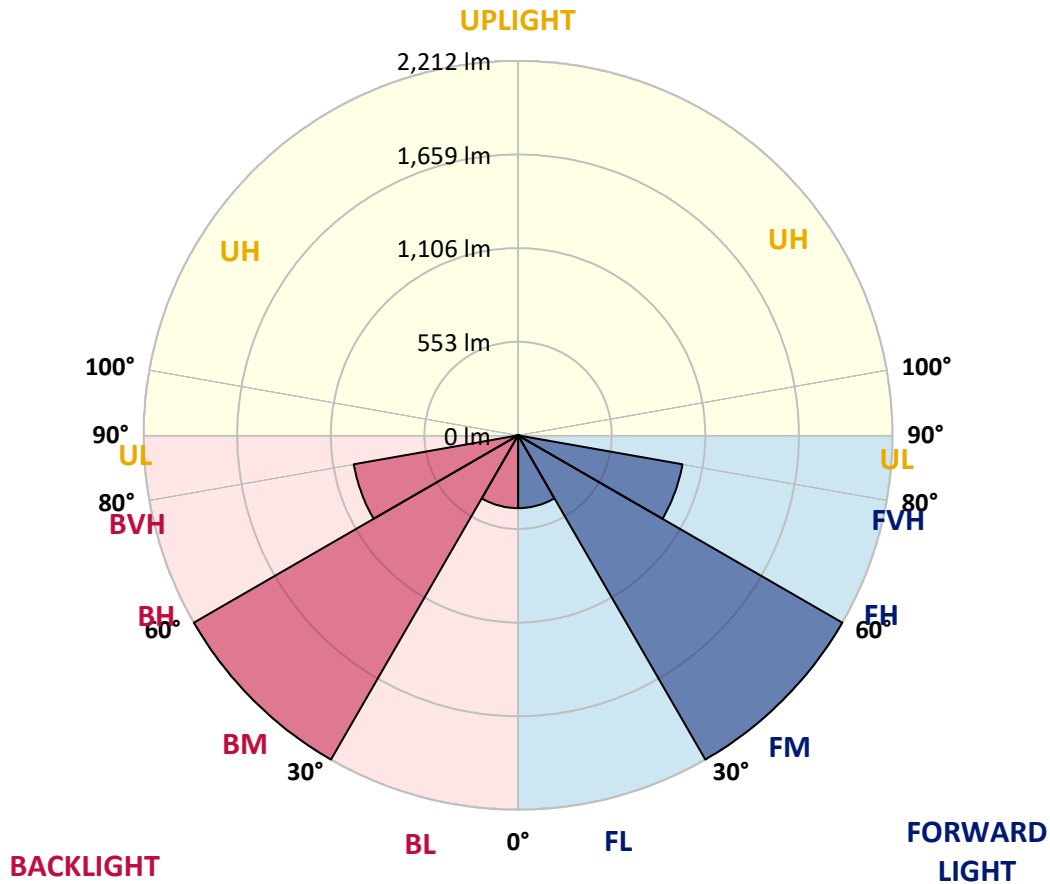
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	430.1	5.9			
FM (30°-60°)	2212.5	30.4			
FH (60°-80°)	986.0	13.5			G1/1800
FVH (80°-90°)	10.2	0.1			G1/100
BL (0°-30°)	430.1	5.9	B1/500		
BM (30°-60°)	2212.5	30.4	B2/2500		
BH (60°-80°)	986.0	13.5	B2/1000		G1/1800
BVH (80°-90°)	10.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	849.0	849.0	849.0	849.0	849.0	849.0	849.0	849.0	849.0	849.0	849.0
2.5°	848.0	848.0	850.0	851.5	850.5	854.5	854.0	853.0	852.5	851.0	855.5
5°	859.5	859.5	861.0	862.5	860.0	865.0	863.0	862.0	861.5	859.5	863.5
7.5°	872.5	874.0	874.5	876.9	875.4	880.9	879.4	877.4	876.4	874.0	877.4
10°	886.9	887.9	888.4	892.9	893.4	899.9	898.4	895.9	893.9	891.4	896.4
12.5°	906.4	906.9	908.4	913.9	915.4	920.4	919.9	916.4	913.9	910.4	915.9
15°	931.3	931.8	934.3	939.8	942.3	948.3	946.3	940.8	937.3	933.3	937.8
17.5°	957.3	959.3	961.8	967.3	970.8	977.8	975.3	969.3	966.3	962.3	965.3
20°	990.7	991.2	992.7	998.7	1001.2	1009.2	1009.7	1003.7	1002.2	998.2	1002.7
22.5°	1027.7	1028.2	1029.7	1036.2	1040.7	1045.6	1048.6	1045.1	1042.7	1037.7	1043.2
25°	1068.6	1073.6	1075.1	1083.1	1088.1	1091.1	1094.6	1093.1	1089.6	1083.6	1086.1
27.5°	1126.0	1127.0	1129.5	1138.5	1141.5	1144.5	1148.0	1148.5	1143.5	1136.5	1140.0
30°	1191.4	1190.9	1196.4	1203.4	1205.9	1208.4	1213.3	1216.3	1209.9	1202.4	1205.9
32.5°	1258.3	1264.3	1271.2	1277.7	1276.2	1277.2	1285.2	1290.7	1281.7	1268.3	1271.2
35°	1333.6	1337.6	1346.6	1356.1	1354.1	1352.6	1357.6	1363.1	1350.6	1333.1	1337.6
37.5°	1411.0	1417.0	1430.5	1441.9	1438.9	1432.0	1437.5	1443.4	1431.5	1411.5	1409.5
40°	1497.3	1506.8	1526.3	1535.8	1527.8	1514.3	1523.8	1538.3	1526.3	1503.3	1497.8
42.5°	1598.7	1610.1	1629.6	1644.1	1626.6	1604.7	1620.6	1641.6	1638.6	1608.1	1598.7
45°	1723.9	1731.4	1755.4	1762.4	1736.4	1706.0	1734.9	1766.9	1759.4	1726.4	1714.0
47.5°	1860.2	1871.7	1892.6	1905.6	1863.7	1825.8	1866.2	1909.1	1901.1	1870.2	1855.7
50°	2033.9	2048.9	2076.3	2087.3	2029.4	1986.0	2037.9	2092.3	2076.8	2035.4	2016.4
52.5°	2223.1	2235.0	2282.0	2303.9	2249.5	2202.6	2248.0	2301.4	2268.5	2213.6	2188.1
55°	2389.8	2401.7	2470.6	2543.5	2541.0	2508.6	2531.5	2532.5	2443.2	2352.3	2325.4
57.5°	2425.7	2437.7	2568.9	2759.6	2894.4	2931.8	2864.4	2722.7	2497.6	2338.4	2307.9
60°	2234.0	2247.5	2456.1	2804.5	3247.7	3497.8	3187.4	2718.7	2329.4	2113.8	2084.8
62.5°	1730.9	1745.4	2025.9	2549.0	3390.5	4064.3	3281.2	2432.7	1916.1	1643.1	1617.6
65°	826.5	826.5	1182.9	1828.3	3106.0	4050.8	3009.7	1799.8	1153.5	885.9	864.0
67.5°	204.6	205.6	304.5	711.7	2112.8	3232.8	2147.2	864.0	406.3	287.5	280.0
70°	127.8	127.3	141.2	192.7	739.2	1962.0	877.9	260.5	165.2	145.7	144.7
72.5°	99.3	99.3	106.3	123.3	193.7	668.3	256.0	144.7	119.8	107.8	107.8
75°	78.4	78.4	83.4	92.3	114.3	172.2	136.3	107.3	92.8	84.8	83.9
77.5°	58.4	59.4	63.4	69.4	77.9	96.8	86.3	80.9	72.4	66.4	64.4
80°	37.9	39.4	44.4	47.9	50.9	63.9	56.4	58.9	54.9	47.9	46.9
82.5°	20.5	21.0	27.0	28.0	28.9	34.9	35.9	37.4	38.9	30.4	28.4
85°	7.5	7.5	9.0	10.5	11.5	12.5	17.0	21.0	22.0	17.5	17.0
87.5°	1.5	1.5	1.5	1.0	1.0	1.0	3.0	5.5	9.0	7.0	7.0
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)