

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: P631916

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631916
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-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7058.7 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

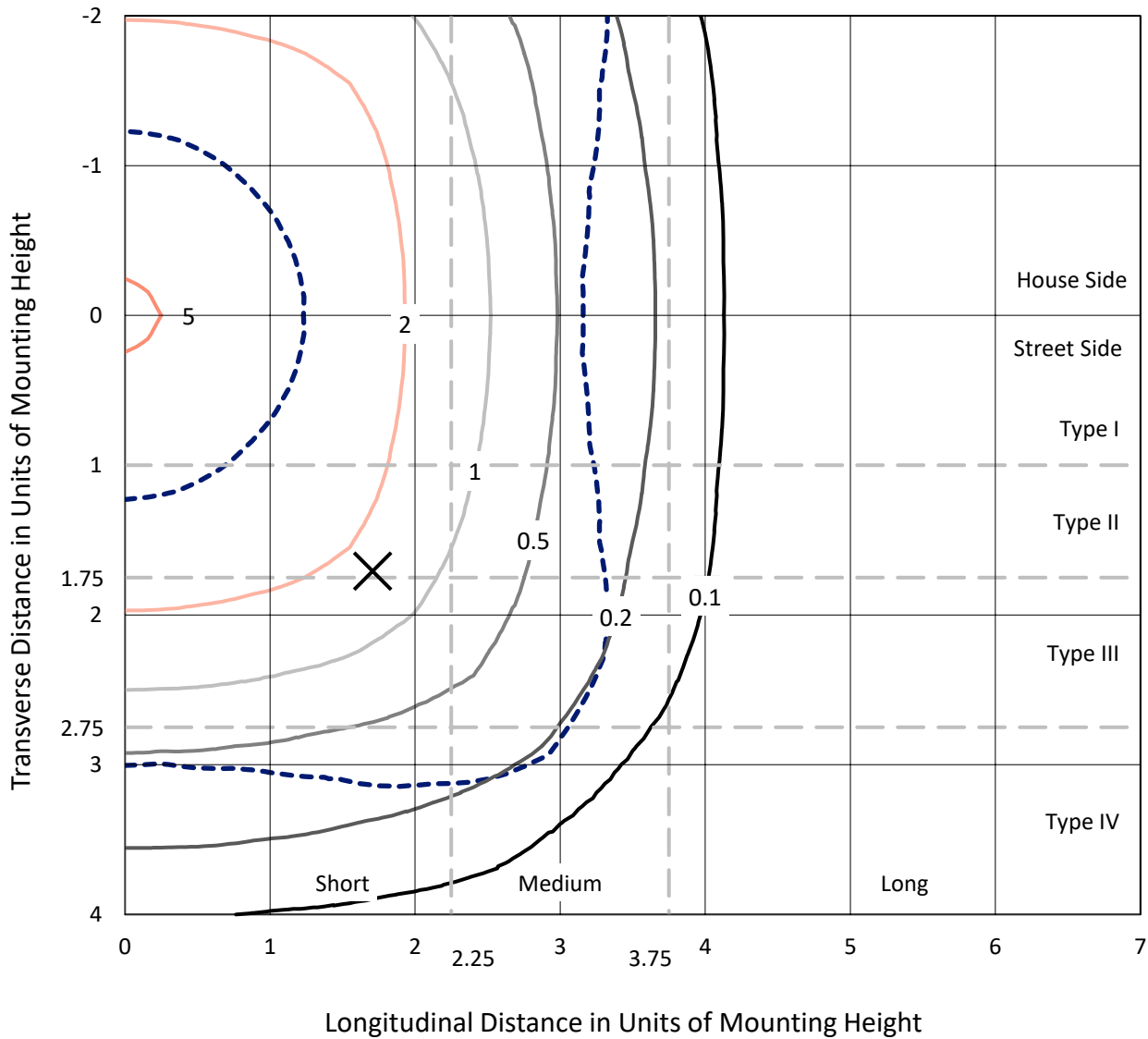
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

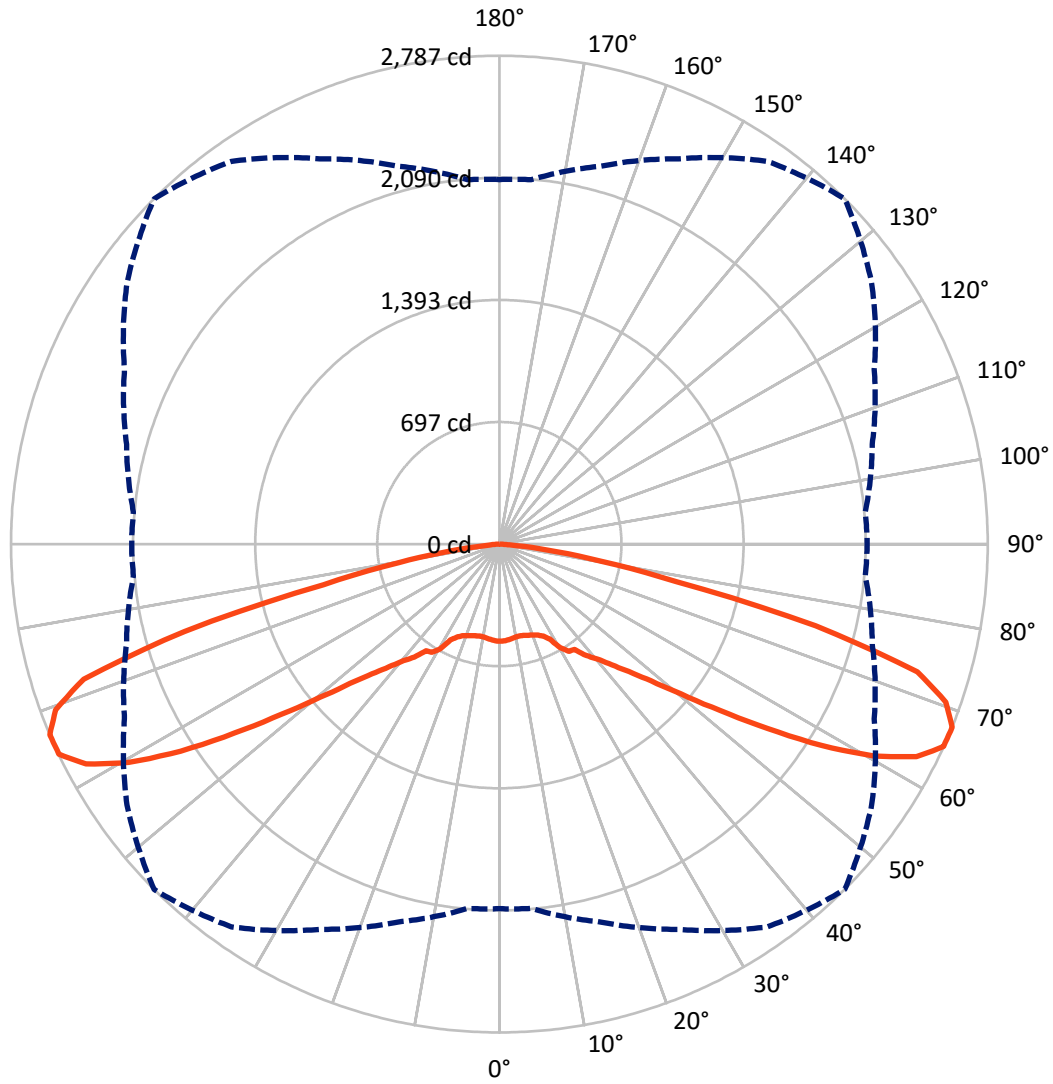
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 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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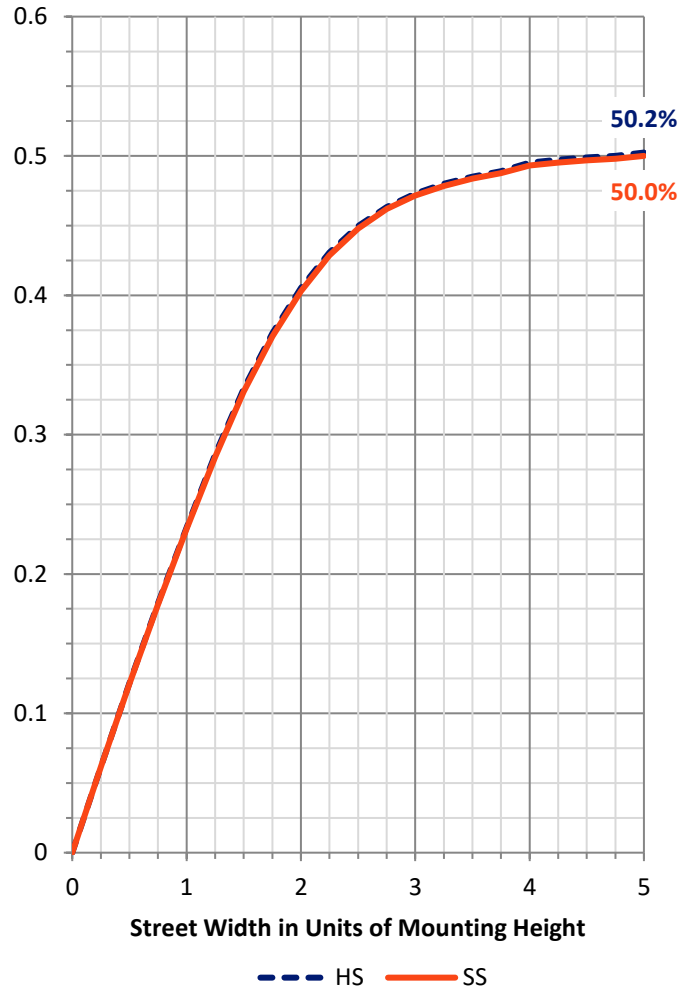
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3529.3	0.0	3529.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3529.3	0.0	3529.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7058.7	0.0	7058.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	0.7
10°-20°	154.2	2.2
20°-30°	276.7	3.9
30°-40°	467.4	6.6
40°-50°	821.2	11.6
50°-60°	1584.1	22.4
60°-70°	2298.3	32.6
70°-80°	1315.0	18.6
80°-90°	89.8	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°	7058.7	100.0
0°-180°	7058.7	100.0

Coefficient of Utilization



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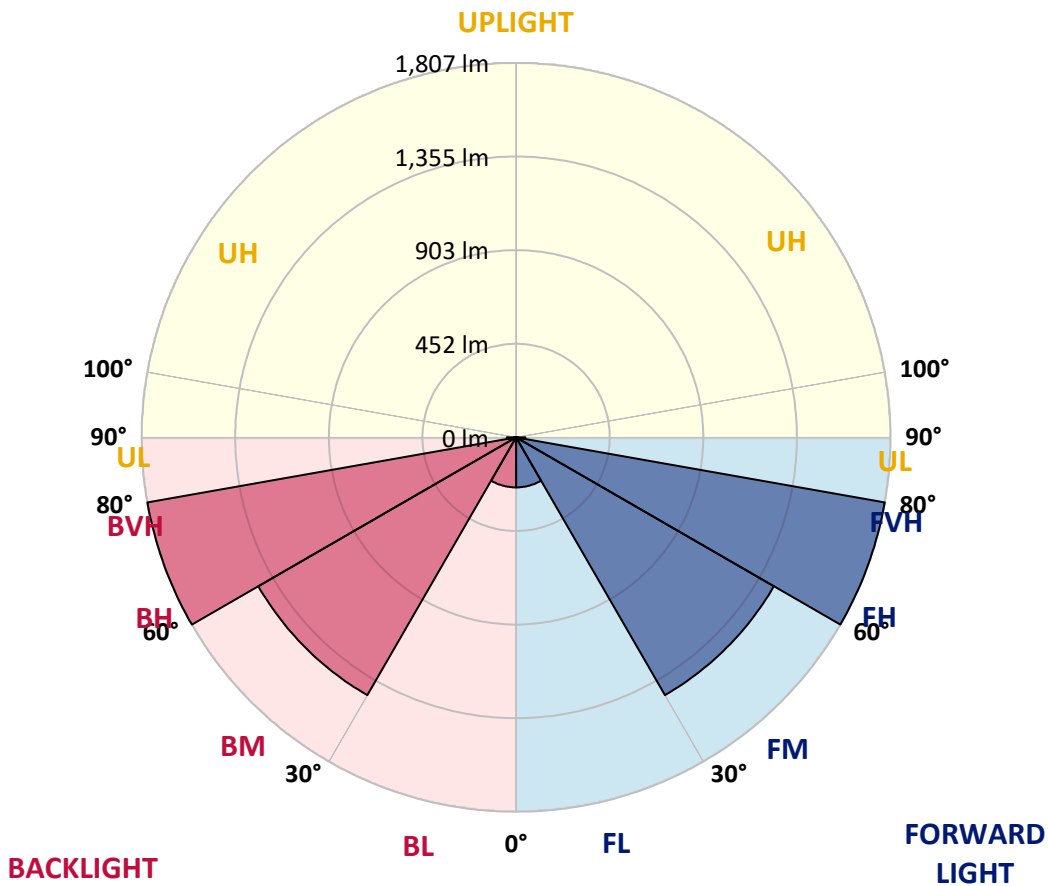
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.4	3.4			
FM (30°-60°)	1436.3	20.3			
FH (60°-80°)	1806.7	25.6			G2/5000
FVH (80°-90°)	44.9	0.6			G1/100
BL (0°-30°)	241.4	3.4	B1/500		
BM (30°-60°)	1436.3	20.3	B2/2500		
BH (60°-80°)	1806.7	25.6	B3/2500		G2/5000
BVH (80°-90°)	44.9	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°	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5	553.5
2.5°	549.1	549.6	550.6	550.6	551.5	553.0	553.5	552.5	553.0	550.6	553.0
5°	547.6	548.1	548.6	547.6	547.6	548.1	548.1	547.1	547.6	545.1	547.6
7.5°	544.1	544.6	544.6	543.1	541.6	542.6	542.6	541.6	542.1	539.6	542.6
10°	541.1	541.1	540.6	537.6	536.1	537.6	538.1	538.6	540.6	538.6	542.1
12.5°	543.1	543.1	541.6	537.6	535.1	536.1	537.1	538.1	541.6	541.1	545.1
15°	548.6	549.1	545.1	540.6	539.1	540.6	539.6	539.1	543.6	545.1	549.6
17.5°	553.0	553.0	548.1	543.6	544.1	546.6	544.6	542.1	546.6	549.6	554.5
20°	557.0	556.5	551.1	548.1	550.1	553.5	552.0	548.6	551.5	555.0	559.5
22.5°	567.0	566.5	560.5	559.0	561.0	564.5	563.0	560.0	563.5	568.5	574.0
25°	595.5	594.5	585.5	580.5	579.5	582.0	581.5	580.5	586.0	592.0	598.5
27.5°	633.4	632.9	626.4	621.4	614.9	612.9	614.4	618.9	626.9	631.4	636.9
30°	652.4	652.4	651.4	659.4	673.3	686.8	676.3	659.4	652.4	650.4	655.9
32.5°	677.3	679.8	676.3	685.3	708.8	728.7	708.8	681.3	676.3	676.3	682.3
35°	734.7	735.7	730.2	728.7	736.2	738.7	729.2	719.3	724.8	725.7	733.2
37.5°	780.7	780.7	778.2	782.2	797.6	807.1	791.6	773.7	775.2	776.2	785.6
40°	851.5	853.5	847.5	847.0	853.0	861.5	845.0	833.6	841.5	844.0	858.5
42.5°	939.9	939.9	930.9	928.4	932.4	941.4	925.9	918.4	928.9	930.9	939.4
45°	1045.2	1047.7	1035.7	1031.2	1033.2	1036.2	1025.2	1021.7	1031.7	1036.2	1051.2
47.5°	1173.5	1176.0	1165.5	1165.0	1163.0	1165.0	1154.5	1152.5	1160.5	1157.0	1173.0
50°	1331.7	1336.2	1327.2	1339.7	1338.2	1344.2	1329.7	1319.2	1319.2	1309.7	1318.7
52.5°	1508.9	1517.9	1522.4	1543.3	1559.3	1574.3	1550.3	1533.9	1509.9	1490.4	1514.9
55°	1702.1	1699.6	1728.0	1773.9	1820.9	1856.3	1809.4	1757.5	1718.5	1678.1	1687.6
57.5°	1871.3	1879.8	1917.2	2001.1	2093.9	2168.8	2084.4	1984.6	1896.2	1838.3	1846.3
60°	2012.0	2019.0	2068.9	2189.7	2351.9	2455.3	2321.5	2156.8	2028.5	1948.6	1957.1
62.5°	2141.8	2148.3	2198.7	2332.0	2536.6	2671.4	2498.7	2273.6	2130.8	2050.5	2055.5
65°	2216.7	2220.7	2289.6	2429.8	2645.4	2784.7	2590.0	2357.9	2217.7	2135.8	2138.8
67.5°	2080.4	2086.9	2232.2	2425.8	2666.4	2786.7	2594.0	2360.4	2202.7	2095.9	2098.4
70°	1641.2	1635.7	1808.9	2141.8	2546.1	2702.8	2478.7	2183.2	1939.7	1790.4	1787.9
72.5°	1251.3	1252.8	1349.2	1577.3	2075.9	2494.2	2187.2	1758.0	1495.4	1382.1	1377.6
75°	907.4	921.4	999.8	1167.0	1452.0	1864.3	1646.7	1302.8	1127.1	1059.2	1049.2
77.5°	408.8	426.8	536.1	732.7	970.8	1030.2	1034.2	884.5	667.4	554.5	537.1
80°	119.3	127.8	164.2	281.0	452.2	584.5	464.2	390.3	243.1	190.7	181.7
82.5°	50.4	57.4	70.4	77.9	131.3	271.0	168.7	107.3	99.8	80.9	73.9
85°	21.5	23.0	29.4	31.4	42.4	57.9	53.4	48.4	46.4	35.9	32.9
87.5°	9.0	9.0	9.0	8.0	7.5	8.0	11.0	14.0	18.5	14.5	13.5
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)