

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: P631806

Luminaire Tested: GWS-SA2B-740-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631806
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-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6996.4 lumens
Efficiency: N/A
Efficacy: 150.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

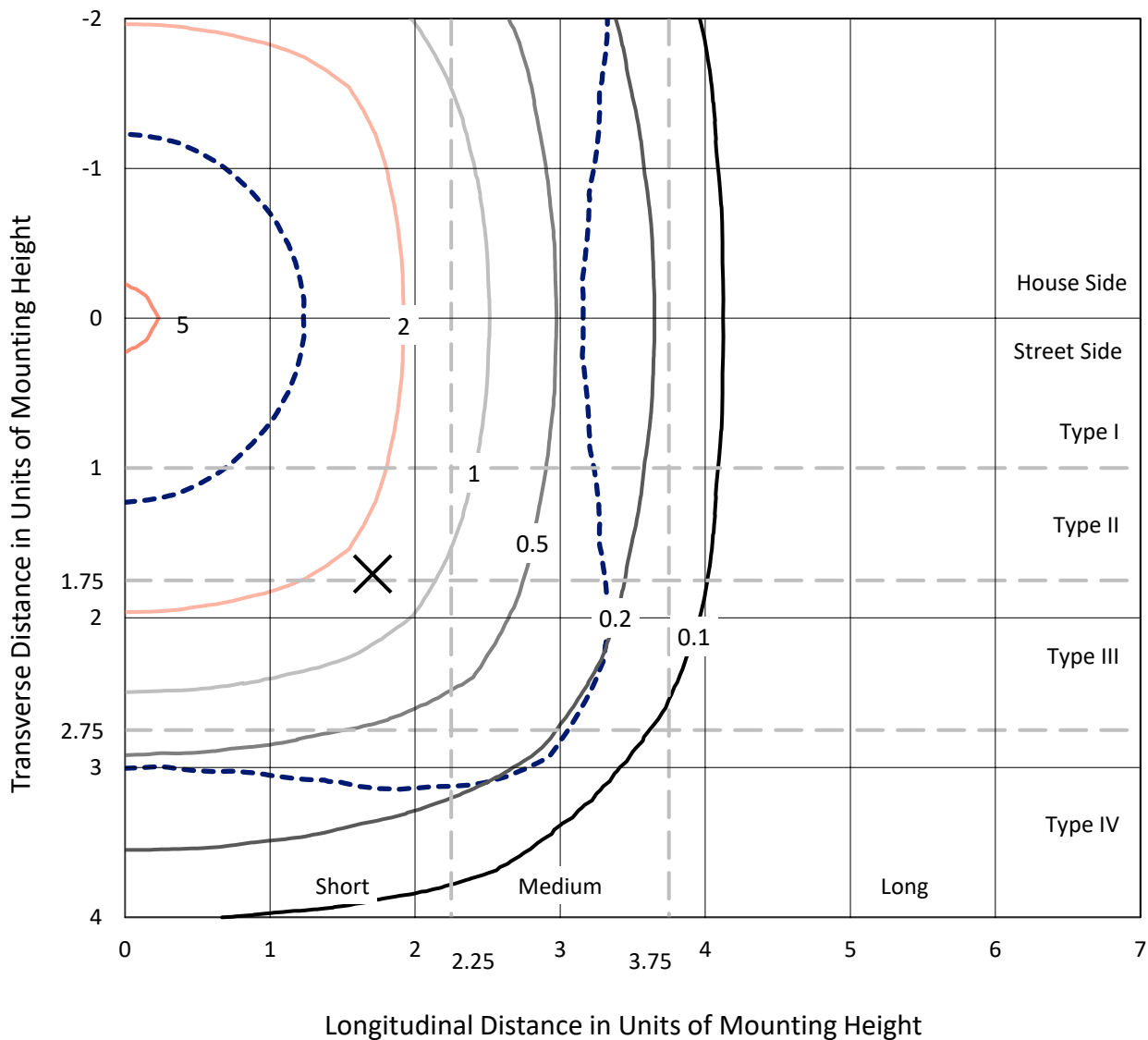
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

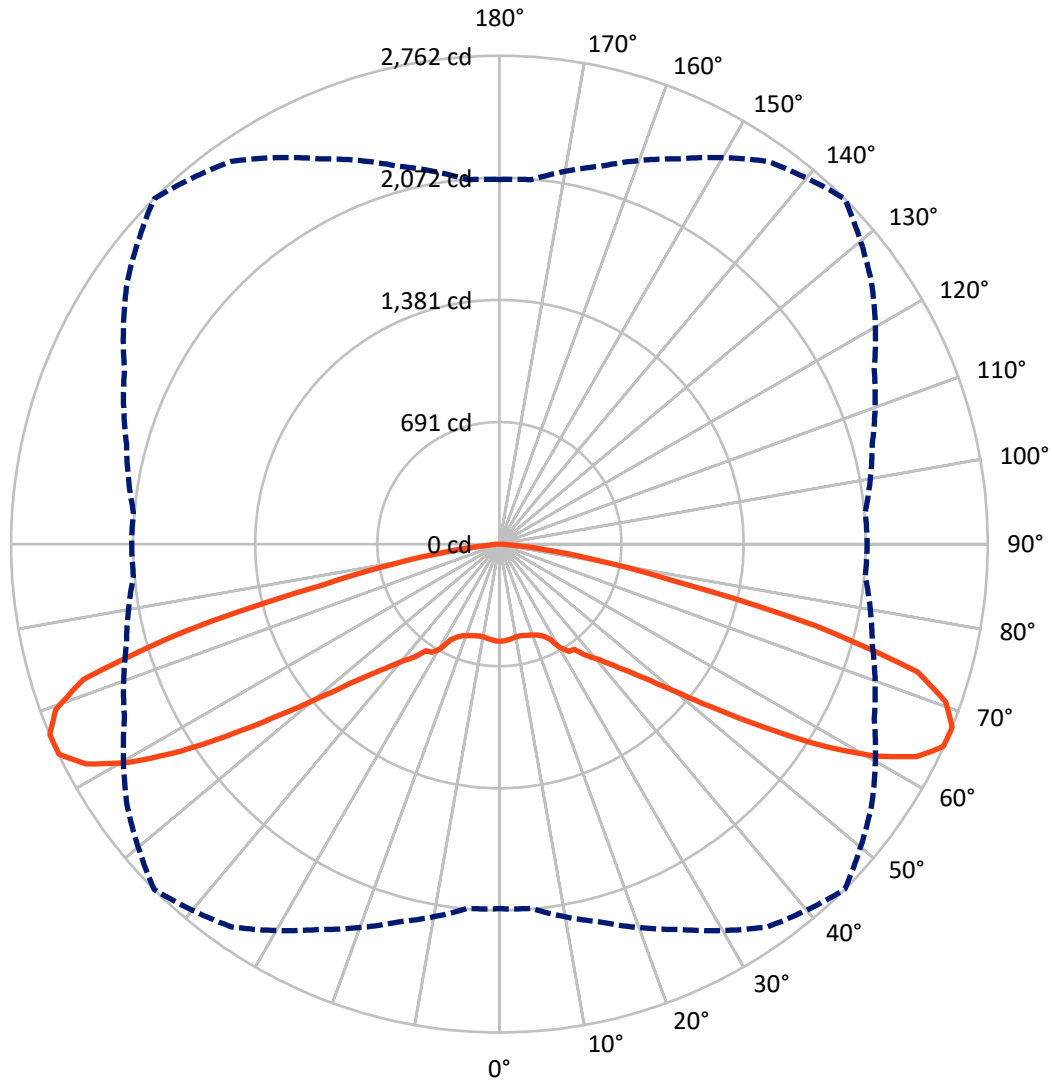
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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	3498.2	0.0	3498.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3498.2	0.0	3498.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6996.4	0.0	6996.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	0.7
10°-20°	152.9	2.2
20°-30°	274.2	3.9
30°-40°	463.3	6.6
40°-50°	814.0	11.6
50°-60°	1570.1	22.4
60°-70°	2278.1	32.6
70°-80°	1303.4	18.6
80°-90°	89.0	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°	6996.4	100.0
0°-180°	6996.4	100.0

Coefficient of Utilization



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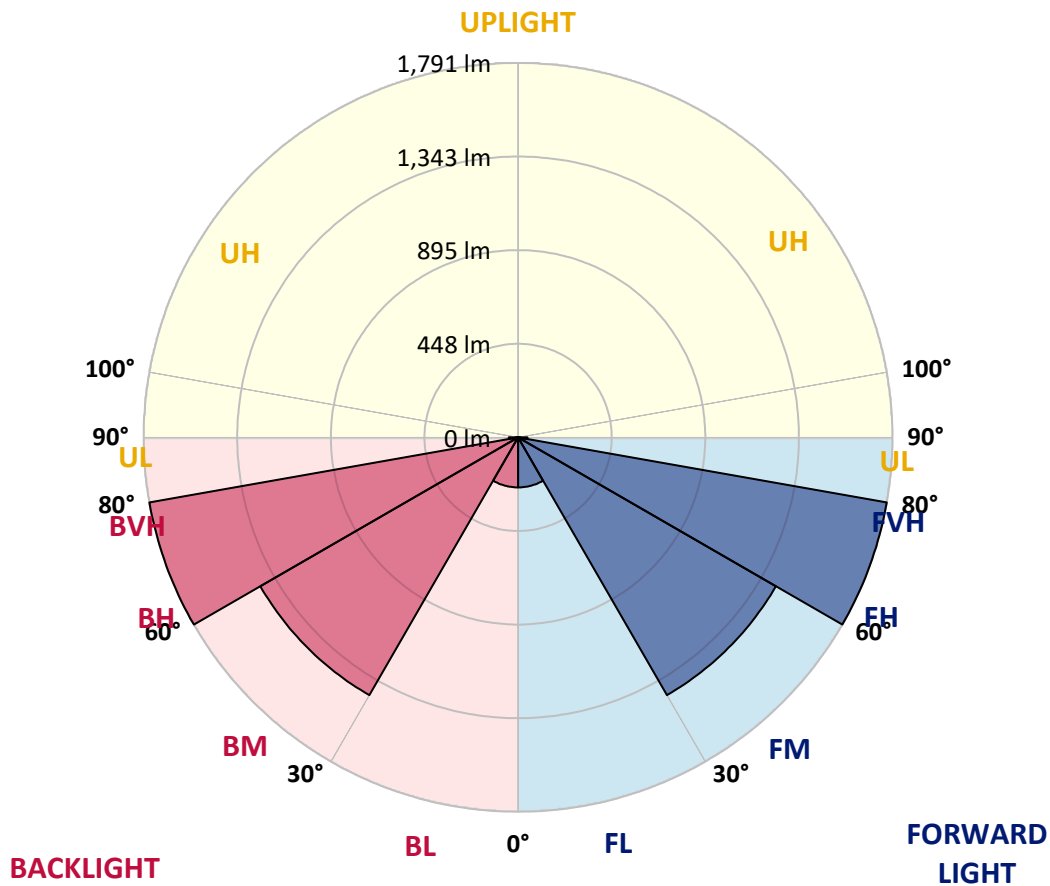
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.3	3.4			
FM (30°-60°)	1423.7	20.3			
FH (60°-80°)	1790.7	25.6			G1/1800
FVH (80°-90°)	44.5	0.6			G1/100
BL (0°-30°)	239.3	3.4	B1/500		
BM (30°-60°)	1423.7	20.3	B2/2500		
BH (60°-80°)	1790.7	25.6	B3/2500		G1/1800
BVH (80°-90°)	44.5	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7
2.5°	544.2	544.7	545.7	545.7	546.7	548.2	548.7	547.7	548.2	545.7	548.2
5°	542.7	543.2	543.7	542.7	542.7	543.2	543.2	542.2	542.7	540.3	542.7
7.5°	539.3	539.8	539.8	538.3	536.8	537.8	537.8	536.8	537.3	534.8	537.8
10°	536.3	536.3	535.8	532.8	531.3	532.8	533.3	533.8	535.8	533.8	537.3
12.5°	538.3	538.3	536.8	532.8	530.4	531.3	532.3	533.3	536.8	536.3	540.3
15°	543.7	544.2	540.3	535.8	534.3	535.8	534.8	534.3	538.8	540.3	544.7
17.5°	548.2	548.2	543.2	538.8	539.3	541.7	539.8	537.3	541.7	544.7	549.7
20°	552.1	551.6	546.2	543.2	545.2	548.7	547.2	543.7	546.7	550.1	554.6
22.5°	562.0	561.5	555.6	554.1	556.1	559.5	558.1	555.1	558.6	563.5	568.9
25°	590.2	589.2	580.3	575.4	574.4	576.9	576.4	575.4	580.8	586.8	593.2
27.5°	627.8	627.3	620.9	615.9	609.5	607.5	609.0	613.5	621.4	625.8	631.3
30°	646.6	646.6	645.6	653.5	667.4	680.8	670.4	653.5	646.6	644.6	650.1
32.5°	671.4	673.8	670.4	679.3	702.5	722.3	702.5	675.3	670.4	670.4	676.3
35°	728.2	729.2	723.8	722.3	729.7	732.2	722.8	712.9	718.4	719.3	726.8
37.5°	773.8	773.8	771.3	775.2	790.6	800.0	784.6	766.8	768.3	769.3	778.7
40°	844.0	846.0	840.1	839.6	845.5	853.9	837.6	826.2	834.1	836.6	850.9
42.5°	931.6	931.6	922.7	920.2	924.2	933.1	917.7	910.3	920.7	922.7	931.1
45°	1036.0	1038.4	1026.6	1022.1	1024.1	1027.1	1016.2	1012.7	1022.6	1027.1	1041.9
47.5°	1163.1	1165.6	1155.2	1154.7	1152.7	1154.7	1144.3	1142.3	1150.3	1146.8	1162.6
50°	1320.0	1324.4	1315.5	1327.9	1326.4	1332.3	1318.0	1307.6	1307.6	1298.2	1307.1
52.5°	1495.6	1504.5	1508.9	1529.7	1545.6	1560.4	1536.6	1520.3	1496.6	1477.3	1501.5
55°	1687.0	1684.6	1712.8	1758.3	1804.8	1839.9	1793.4	1742.0	1703.4	1663.3	1672.7
57.5°	1854.8	1863.2	1900.3	1983.4	2075.4	2149.6	2066.0	1967.1	1879.5	1822.1	1830.0
60°	1994.3	2001.2	2050.7	2170.4	2331.2	2433.6	2301.0	2137.7	2010.6	1931.4	1939.9
62.5°	2122.9	2129.3	2179.3	2311.4	2514.2	2647.8	2476.6	2253.5	2112.0	2032.4	2037.3
65°	2197.1	2201.1	2269.3	2408.4	2622.1	2760.1	2567.2	2337.1	2198.1	2117.0	2119.9
67.5°	2062.1	2068.5	2212.5	2404.4	2642.9	2762.1	2571.1	2339.6	2183.3	2077.4	2079.9
70°	1626.7	1621.2	1792.9	2122.9	2523.6	2679.0	2456.9	2164.0	1922.5	1774.6	1772.1
72.5°	1240.3	1241.8	1337.3	1563.4	2057.6	2472.2	2167.9	1742.5	1482.2	1369.9	1365.5
75°	899.4	913.3	991.0	1156.7	1439.2	1847.8	1632.1	1291.3	1117.1	1049.8	1039.9
77.5°	405.2	423.0	531.3	726.3	962.3	1021.1	1025.1	876.7	661.5	549.7	532.3
80°	118.2	126.7	162.8	278.5	448.2	579.3	460.1	386.9	240.9	189.0	180.1
82.5°	50.0	56.9	69.8	77.2	130.1	268.6	167.2	106.4	98.9	80.1	73.2
85°	21.3	22.8	29.2	31.2	42.1	57.4	52.9	48.0	46.0	35.6	32.7
87.5°	8.9	8.9	8.9	7.9	7.4	7.9	10.9	13.9	18.3	14.3	13.4
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)