

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: P636699

Luminaire Tested: GWS-SA4B-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-735-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7512.8 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

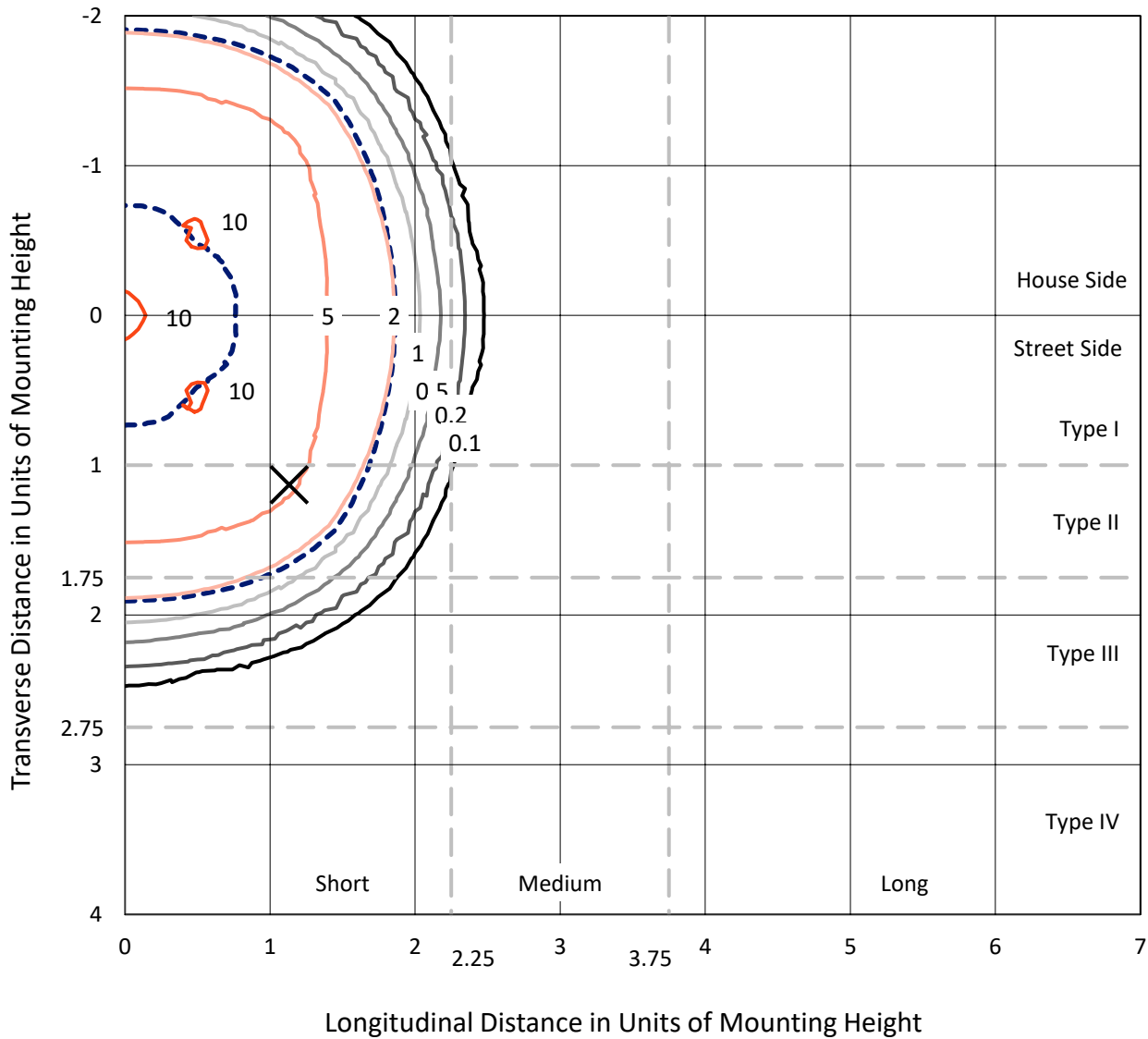
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

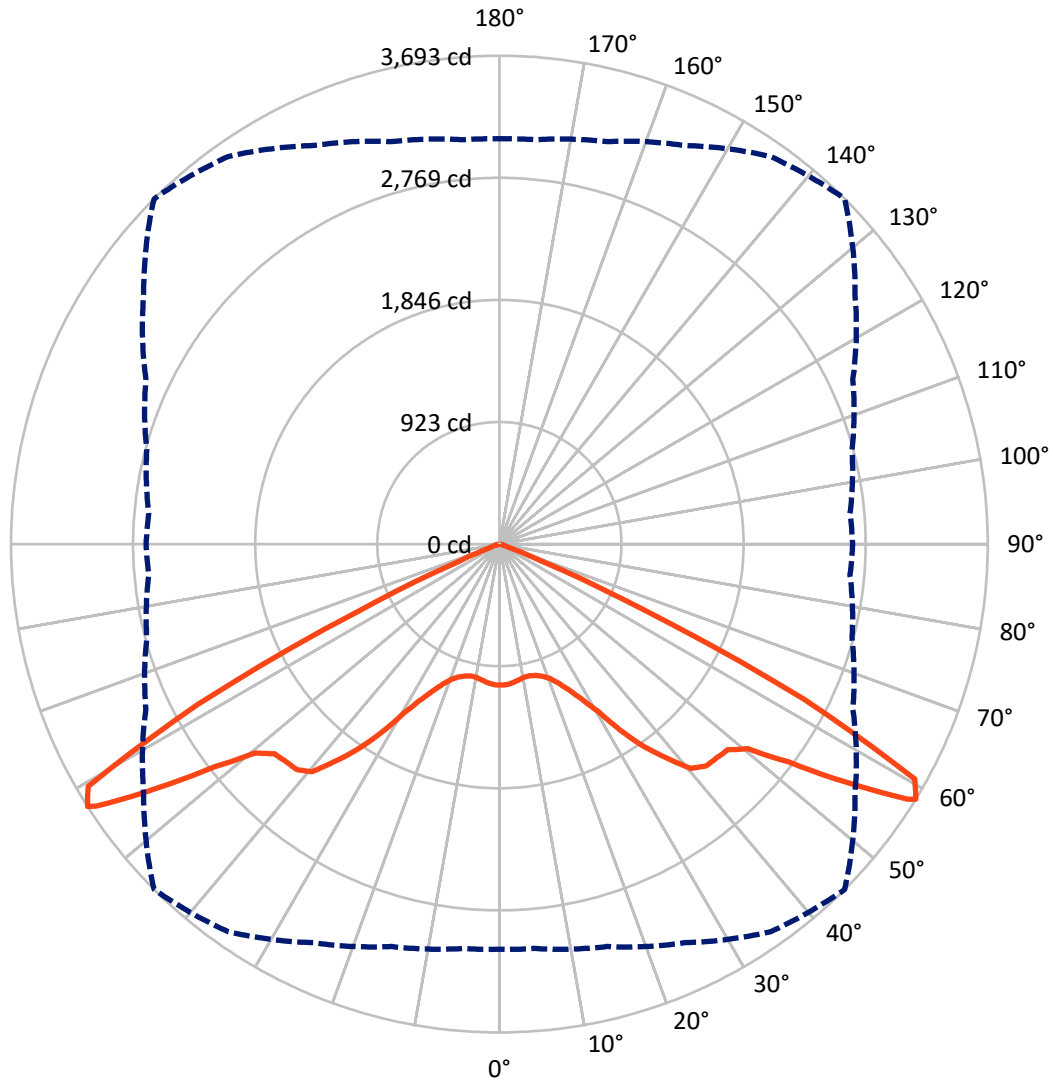
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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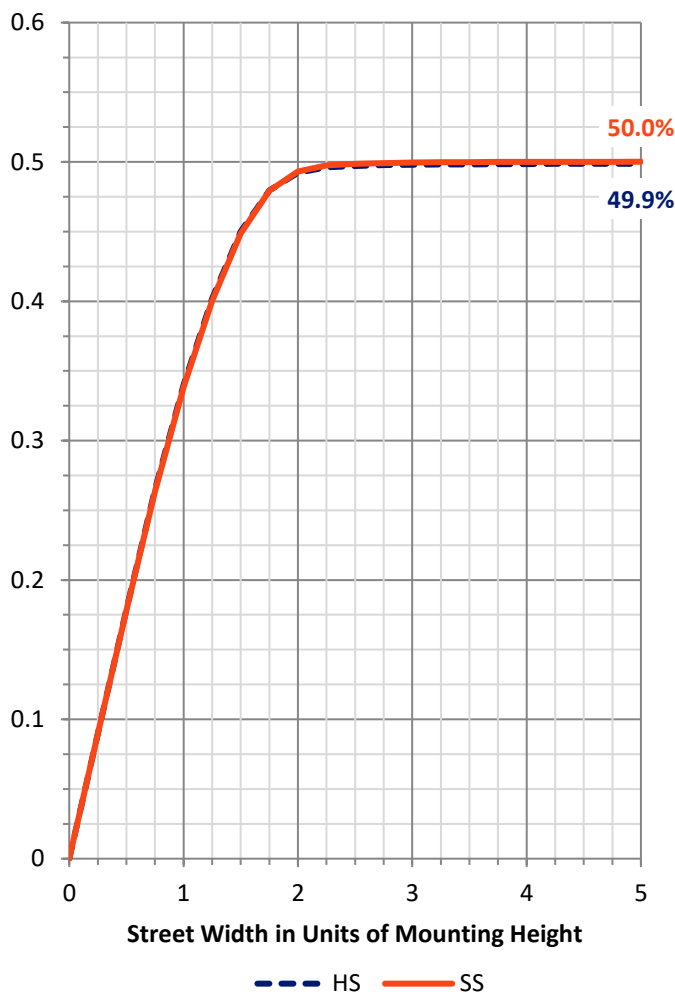
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3756.4	0.0	3756.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3756.4	0.0	3756.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7512.8	0.0	7512.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	1.3
10°-20°	294.1	3.9
20°-30°	556.3	7.4
30°-40°	1097.1	14.6
40°-50°	1736.2	23.1
50°-60°	2552.1	34.0
60°-70°	1139.1	15.2
70°-80°	38.2	0.5
80°-90°	0.3	0.0
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°	7512.8	100.0
0°-180°	7512.8	100.0

Coefficient of Utilization



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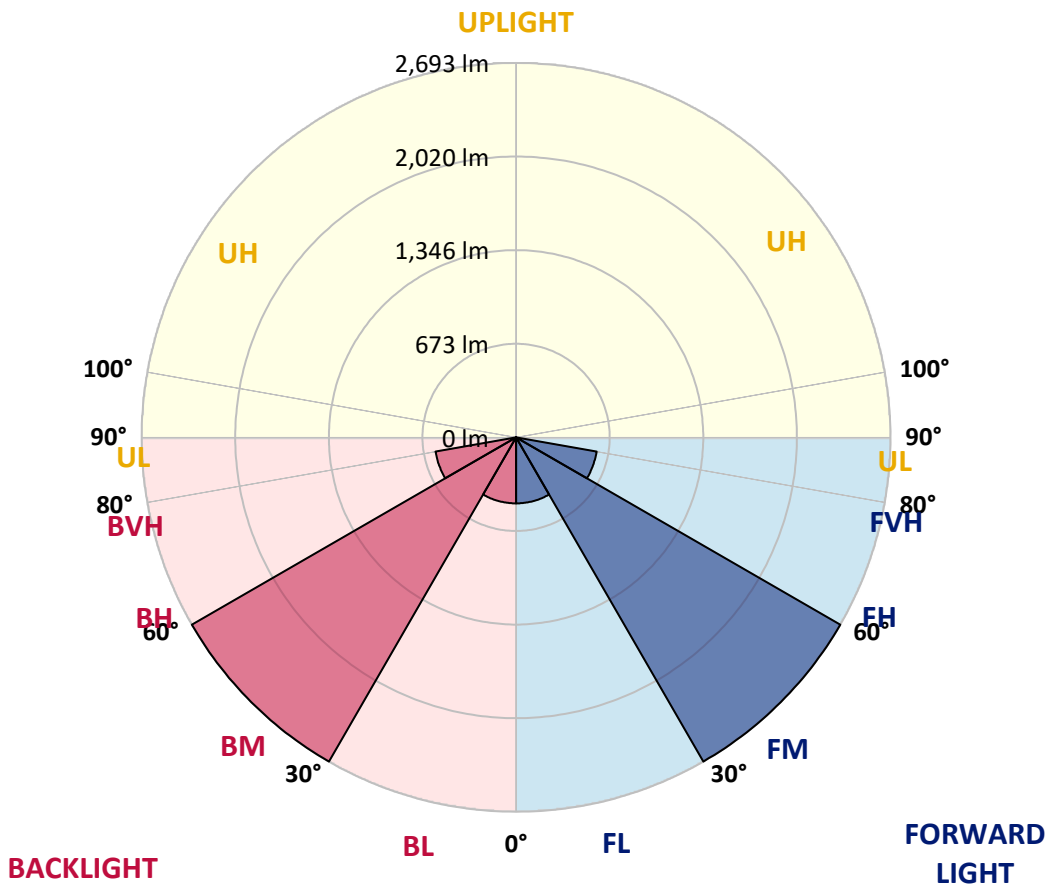
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.9	6.3			
FM (30°-60°)	2692.7	35.8			
FH (60°-80°)	588.6	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	474.9	6.3	B1/500		
BM (30°-60°)	2692.7	35.8	B3/5000		
BH (60°-80°)	588.6	7.8	B2/1000		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4
2.5°	1055.2	1057.2	1059.3	1060.3	1061.3	1064.4	1065.4	1062.3	1062.3	1056.2	1063.4
5°	1050.1	1052.1	1054.2	1053.1	1053.1	1053.1	1052.1	1048.0	1047.0	1040.9	1048.0
7.5°	1040.9	1042.9	1042.9	1039.8	1037.8	1037.8	1036.8	1031.6	1030.6	1024.5	1031.6
10°	1033.7	1034.7	1033.7	1027.5	1023.5	1023.5	1022.4	1020.4	1021.4	1017.3	1023.5
12.5°	1037.8	1038.8	1034.7	1026.5	1021.4	1020.4	1017.3	1014.2	1017.3	1016.3	1022.4
15°	1051.1	1052.1	1044.9	1034.7	1030.6	1030.6	1022.4	1014.2	1018.3	1019.4	1026.5
17.5°	1067.5	1067.5	1058.3	1049.0	1050.1	1050.1	1036.8	1022.4	1023.5	1027.5	1034.7
20°	1086.9	1086.9	1077.7	1075.6	1082.8	1083.8	1067.5	1044.9	1039.8	1042.9	1051.1
22.5°	1121.7	1121.7	1114.5	1119.7	1136.0	1141.2	1116.6	1084.9	1072.6	1074.6	1082.8
25°	1175.9	1175.9	1173.9	1186.2	1209.7	1221.0	1188.2	1146.3	1125.8	1122.7	1131.9
27.5°	1267.0	1268.1	1265.0	1283.4	1313.1	1326.4	1281.4	1226.1	1201.5	1196.4	1205.6
30°	1384.7	1384.7	1385.8	1411.3	1450.2	1467.6	1408.3	1343.8	1315.1	1298.8	1311.0
32.5°	1515.7	1517.8	1528.0	1571.0	1639.6	1675.4	1588.4	1498.3	1452.3	1434.9	1448.2
35°	1731.7	1712.2	1700.0	1731.7	1831.0	1878.0	1766.5	1661.1	1626.3	1624.2	1658.0
37.5°	1945.6	1934.3	1908.7	1941.5	2030.5	2052.0	1929.2	1841.2	1816.6	1829.9	1863.7
40°	2115.5	2095.0	2061.2	2091.9	2208.6	2230.1	2078.6	1991.6	1982.4	2012.1	2058.2
42.5°	2249.6	2220.9	2175.9	2183.0	2277.2	2292.5	2158.5	2093.0	2099.1	2135.9	2188.1
45°	2309.9	2287.4	2247.5	2244.4	2303.8	2304.8	2199.4	2165.6	2182.0	2210.7	2251.6
47.5°	2335.5	2325.3	2302.8	2297.7	2331.4	2323.2	2257.7	2243.4	2258.8	2266.9	2290.5
50°	2399.0	2399.0	2402.0	2406.1	2440.9	2432.7	2386.7	2370.3	2350.9	2322.2	2329.4
52.5°	2577.1	2584.2	2613.9	2646.7	2710.1	2736.7	2662.0	2566.8	2473.7	2411.3	2411.3
55°	2898.4	2905.6	2940.4	2995.6	3112.3	3175.8	3001.8	2792.0	2664.0	2579.1	2590.4
57.5°	3075.5	3083.7	3155.3	3304.7	3530.9	3638.4	3264.8	2953.7	2774.6	2677.4	2685.5
58°	3064.2	3069.3	3150.2	3325.2	3577.0	3692.6	3283.2	2948.6	2760.3	2661.0	2671.2
60°	2722.4	2715.2	2844.2	3093.9	3449.0	3608.7	3100.0	2691.7	2472.7	2371.3	2376.5
62.5°	1779.8	1783.9	1895.4	2156.4	2432.7	2583.2	2165.6	1861.7	1685.6	1624.2	1608.9
65°	743.0	729.7	798.3	943.6	1109.4	1193.3	1025.5	867.9	759.4	718.5	729.7
67.5°	191.4	186.3	190.4	238.5	291.7	344.9	289.6	221.1	192.4	194.5	194.5
70°	108.5	102.3	82.9	76.8	74.7	74.7	74.7	74.7	86.0	101.3	104.4
72.5°	81.9	76.8	60.4	52.2	46.1	43.0	45.0	52.2	62.4	75.7	77.8
75°	40.9	40.9	36.8	34.8	30.7	28.7	29.7	32.8	37.9	43.0	42.0
77.5°	8.2	9.2	10.2	12.3	10.2	10.2	10.2	12.3	12.3	13.3	12.3
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)