

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: P636701

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636701
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-SA4B-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14472.9 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

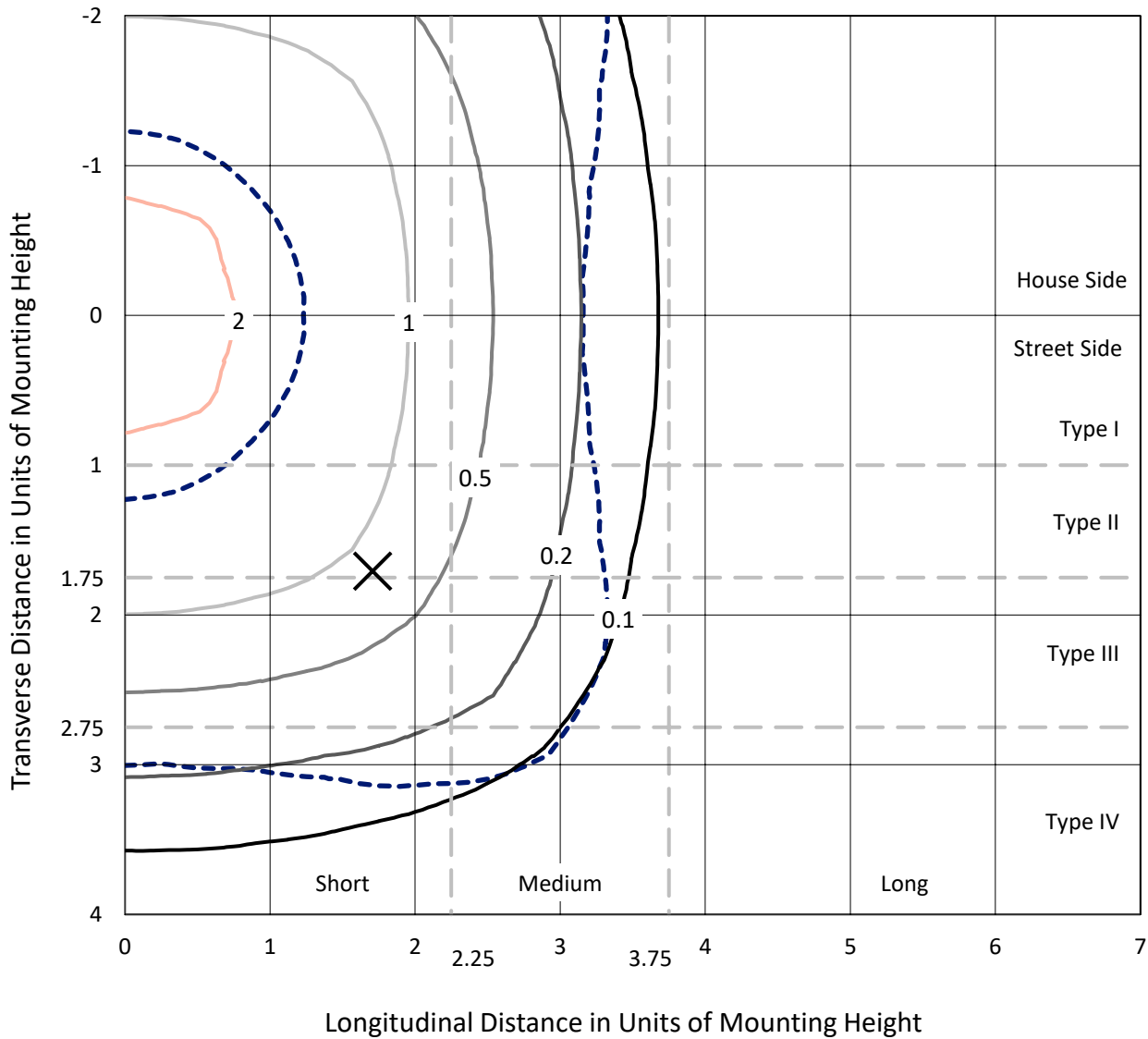
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636701
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Iso-Footcandle Lines of Horizontal Illumination

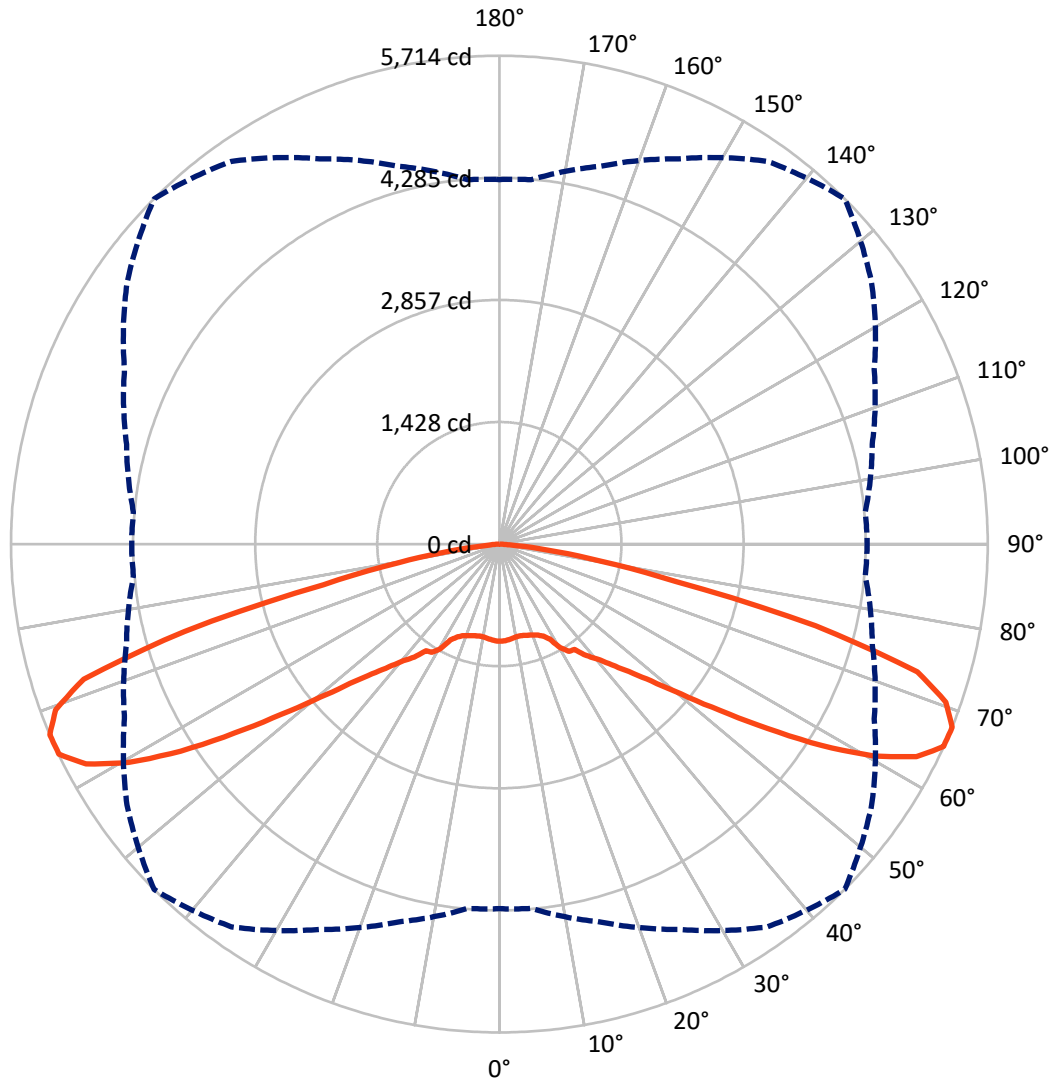
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

REPORT NUMBER: P636701
CATALOG NUMBER: GWS-SA4B-735-U-5WQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P636701

CATALOG NUMBER: GWS-SA4B-735-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7236.5	0.0	7236.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7236.5	0.0	7236.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14472.9	0.0	14472.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	0.7
10°-20°	316.2	2.2
20°-30°	567.3	3.9
30°-40°	958.3	6.6
40°-50°	1683.8	11.6
50°-60°	3248.0	22.4
60°-70°	4712.4	32.6
70°-80°	2696.3	18.6
80°-90°	184.0	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°	14472.9	100.0
0°-180°	14472.9	100.0

Coefficient of Utilization



REPORT NUMBER: P636701

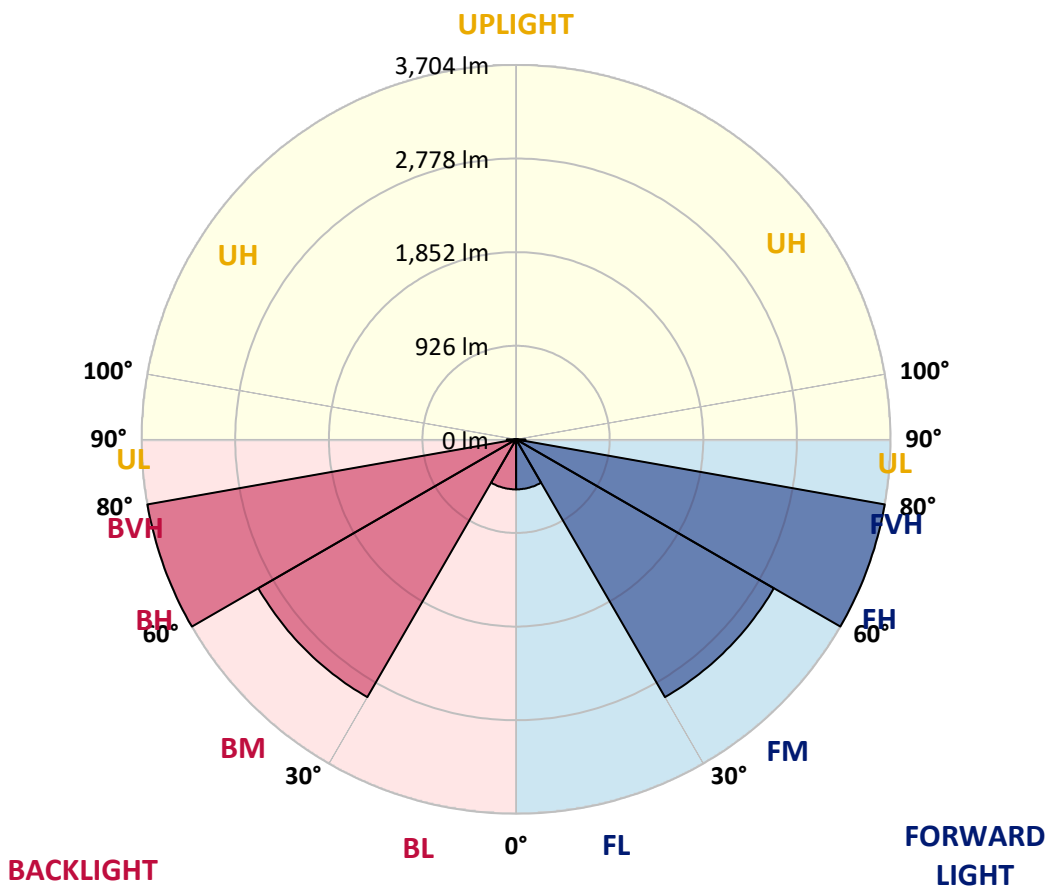
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	495.0	3.4			
FM (30°-60°)	2945.0	20.3			
FH (60°-80°)	3704.3	25.6			G2/5000
FVH (80°-90°)	92.0	0.6			G1/100
BL (0°-30°)	495.0	3.4	B1/500		
BM (30°-60°)	2945.0	20.3	B3/5000		
BH (60°-80°)	3704.3	25.6	B4/5000		G2/5000
BVH (80°-90°)	92.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0
2.5°	1125.8	1126.8	1128.8	1128.8	1130.9	1133.9	1135.0	1132.9	1133.9	1128.8	1133.9
5°	1122.7	1123.7	1124.7	1122.7	1122.7	1123.7	1123.7	1121.7	1122.7	1117.6	1122.7
7.5°	1115.5	1116.5	1116.5	1113.5	1110.4	1112.5	1112.5	1110.4	1111.4	1106.3	1112.5
10°	1109.4	1109.4	1108.4	1102.2	1099.2	1102.2	1103.2	1104.3	1108.4	1104.3	1111.4
12.5°	1113.5	1113.5	1110.4	1102.2	1097.1	1099.2	1101.2	1103.2	1110.4	1109.4	1117.6
15°	1124.7	1125.8	1117.6	1108.4	1105.3	1108.4	1106.3	1105.3	1114.5	1117.6	1126.8
17.5°	1133.9	1133.9	1123.7	1114.5	1115.5	1120.6	1116.5	1111.4	1120.6	1126.8	1137.0
20°	1142.1	1141.1	1129.9	1123.7	1127.8	1135.0	1131.9	1124.7	1130.9	1138.0	1147.3
22.5°	1162.6	1161.6	1149.3	1146.2	1150.3	1157.5	1154.4	1148.3	1155.4	1165.7	1176.9
25°	1220.9	1218.9	1200.5	1190.2	1188.2	1193.3	1192.3	1190.2	1201.5	1213.8	1227.1
27.5°	1298.7	1297.7	1284.4	1274.2	1260.9	1256.8	1259.8	1269.0	1285.4	1294.6	1305.9
30°	1337.6	1337.6	1335.6	1351.9	1380.6	1408.2	1386.7	1351.9	1337.6	1333.5	1344.8
32.5°	1388.8	1393.9	1386.7	1405.2	1453.3	1494.2	1453.3	1397.0	1386.7	1386.7	1399.0
35°	1506.5	1508.5	1497.3	1494.2	1509.5	1514.7	1495.2	1474.7	1486.0	1488.1	1503.4
37.5°	1600.6	1600.6	1595.5	1603.7	1635.4	1654.9	1623.1	1586.3	1589.4	1591.4	1610.9
40°	1746.0	1750.0	1737.8	1736.7	1749.0	1766.4	1732.6	1709.1	1725.5	1730.6	1760.3
42.5°	1927.1	1927.1	1908.7	1903.6	1911.7	1930.2	1898.4	1883.1	1904.6	1908.7	1926.1
45°	2143.0	2148.2	2123.6	2114.4	2118.5	2124.6	2102.1	2094.9	2115.4	2124.6	2155.3
47.5°	2406.1	2411.2	2389.7	2388.7	2384.6	2388.7	2367.2	2363.1	2379.4	2372.3	2405.0
50°	2730.5	2739.7	2721.3	2746.9	2743.8	2756.1	2726.4	2704.9	2704.9	2685.4	2703.9
52.5°	3093.8	3112.2	3121.4	3164.4	3197.2	3227.9	3178.7	3145.0	3095.8	3055.9	3106.1
55°	3489.9	3484.7	3543.1	3637.2	3733.4	3806.1	3709.9	3603.5	3523.6	3440.7	3460.2
57.5°	3836.8	3854.2	3930.9	4102.9	4293.2	4446.8	4273.8	4069.1	3888.0	3769.2	3785.6
60°	4125.4	4139.7	4242.1	4489.7	4822.3	5034.2	4759.9	4422.2	4159.2	3995.4	4012.8
62.5°	4391.5	4404.8	4508.2	4781.4	5201.0	5477.3	5123.2	4661.7	4369.0	4204.2	4214.4
65°	4545.0	4553.2	4694.4	4982.0	5424.1	5709.7	5310.5	4834.6	4547.0	4379.2	4385.3
67.5°	4265.6	4278.9	4576.7	4973.8	5467.1	5713.7	5318.7	4839.7	4516.3	4297.3	4302.5
70°	3365.0	3353.7	3708.9	4391.5	5220.5	5541.8	5082.3	4476.4	3977.0	3671.0	3665.9
72.5°	2565.7	2568.8	2766.3	3234.0	4256.4	5114.0	4484.6	3604.5	3066.2	2833.8	2824.6
75°	1860.6	1889.2	2049.9	2392.8	2977.1	3822.5	3376.3	2671.1	2310.9	2171.7	2151.2
77.5°	838.2	875.0	1099.2	1502.4	1990.5	2112.3	2120.5	1813.5	1368.3	1137.0	1101.2
80°	244.6	262.0	336.7	576.2	927.2	1198.4	951.8	800.3	498.4	390.9	372.5
82.5°	103.4	117.7	144.3	159.7	269.2	555.7	345.9	220.0	204.7	165.8	151.5
85°	44.0	47.1	60.4	64.5	87.0	118.7	109.5	99.3	95.2	73.7	67.5
87.5°	18.4	18.4	18.4	16.4	15.4	16.4	22.5	28.7	37.9	29.7	27.6
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)