

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: P639011

Luminaire Tested: GWS-SA5B-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639011
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-SA5B-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13259.3 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

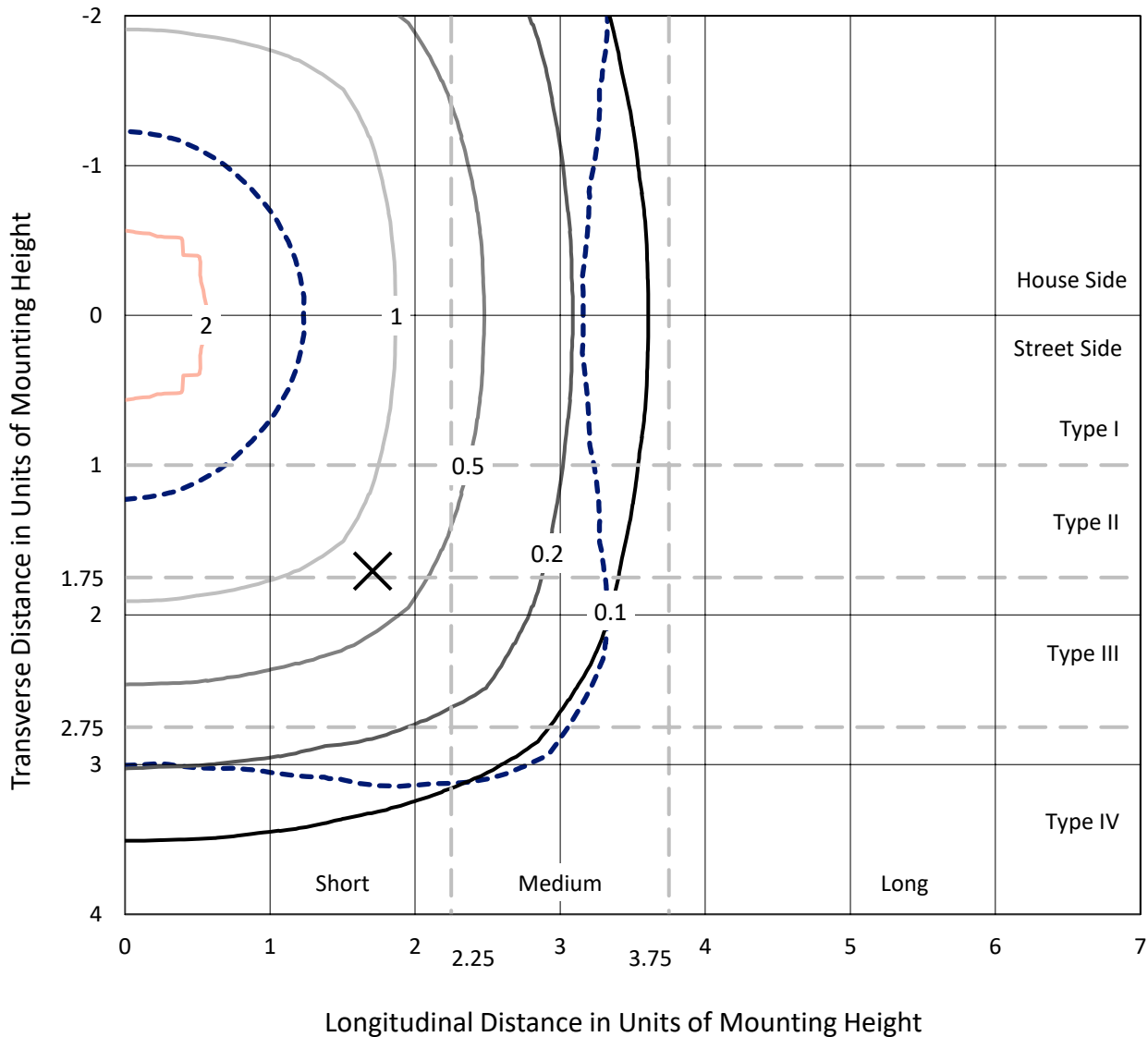
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

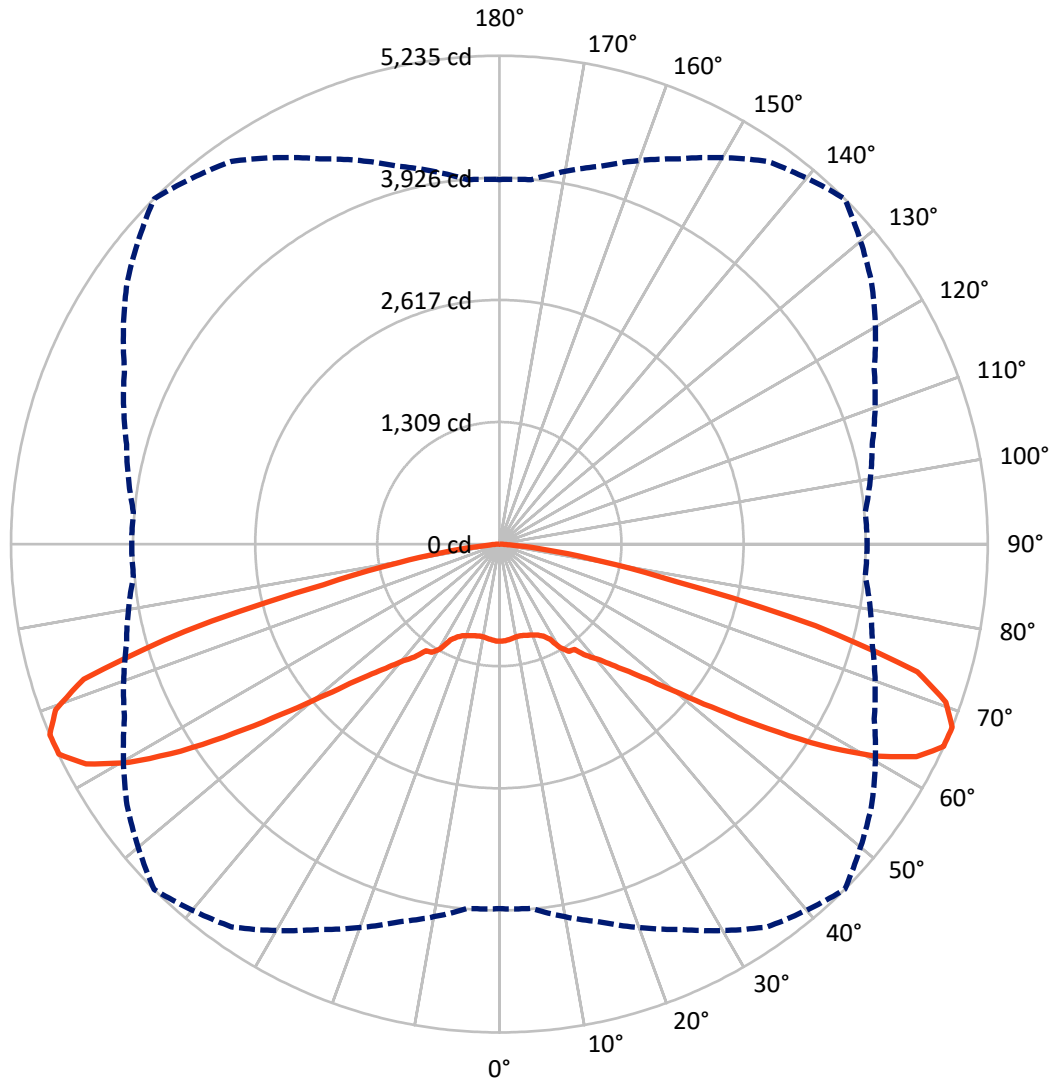
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.6 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	6629.6	0.0	6629.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6629.6	0.0	6629.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	13259.3	0.0	13259.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	0.7
10°-20°	289.7	2.2
20°-30°	519.7	3.9
30°-40°	878.0	6.6
40°-50°	1542.6	11.6
50°-60°	2975.7	22.4
60°-70°	4317.3	32.6
70°-80°	2470.2	18.6
80°-90°	168.6	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°	13259.3	100.0
0°-180°	13259.3	100.0

Coefficient of Utilization



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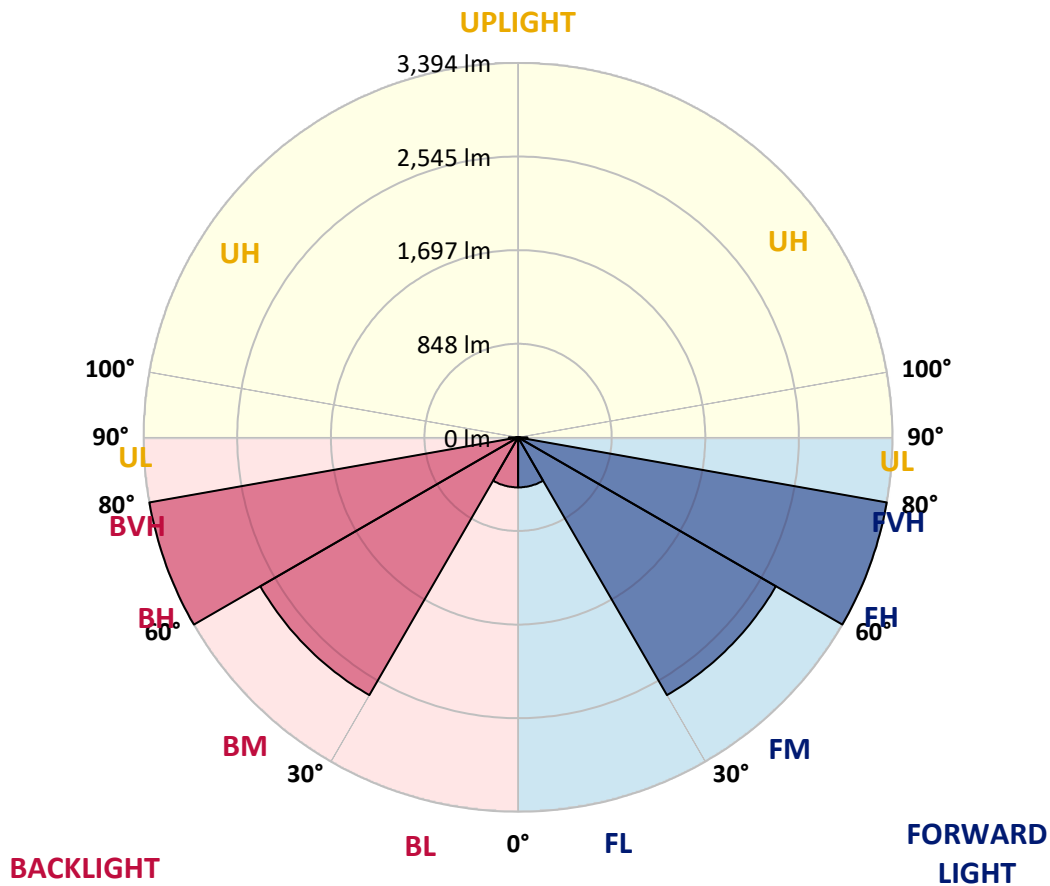
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	453.5	3.4			
FM (30°-60°)	2698.1	20.3			
FH (60°-80°)	3393.7	25.6			G2/5000
FVH (80°-90°)	84.3	0.6			G1/100
BL (0°-30°)	453.5	3.4	B1/500		
BM (30°-60°)	2698.1	20.3	B3/5000		
BH (60°-80°)	3393.7	25.6	B4/5000		G2/5000
BVH (80°-90°)	84.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		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°	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8
2.5°	1031.4	1032.3	1034.2	1034.2	1036.0	1038.9	1039.8	1037.9	1038.9	1034.2	1038.9
5°	1028.5	1029.5	1030.4	1028.5	1028.5	1029.5	1029.5	1027.6	1028.5	1023.9	1028.5
7.5°	1022.0	1022.9	1022.9	1020.1	1017.3	1019.2	1019.2	1017.3	1018.2	1013.5	1019.2
10°	1016.4	1016.4	1015.4	1009.8	1007.0	1009.8	1010.7	1011.7	1015.4	1011.7	1018.2
12.5°	1020.1	1020.1	1017.3	1009.8	1005.1	1007.0	1008.9	1010.7	1017.3	1016.4	1023.9
15°	1030.4	1031.4	1023.9	1015.4	1012.6	1015.4	1013.5	1012.6	1021.0	1023.9	1032.3
17.5°	1038.9	1038.9	1029.5	1021.0	1022.0	1026.7	1022.9	1018.2	1026.7	1032.3	1041.7
20°	1046.4	1045.4	1035.1	1029.5	1033.2	1039.8	1037.0	1030.4	1036.0	1042.6	1051.1
22.5°	1065.1	1064.2	1052.9	1050.1	1053.9	1060.4	1057.6	1052.0	1058.6	1067.9	1078.2
25°	1118.6	1116.7	1099.8	1090.4	1088.6	1093.2	1092.3	1090.4	1100.7	1112.0	1124.2
27.5°	1189.8	1188.9	1176.7	1167.3	1155.1	1151.4	1154.2	1162.6	1177.6	1186.1	1196.4
30°	1225.4	1225.4	1223.6	1238.6	1264.8	1290.1	1270.4	1238.6	1225.4	1221.7	1232.0
32.5°	1272.3	1277.0	1270.4	1287.3	1331.4	1368.9	1331.4	1279.8	1270.4	1270.4	1281.7
35°	1380.1	1382.0	1371.7	1368.9	1383.0	1387.6	1369.8	1351.1	1361.4	1363.3	1377.3
37.5°	1466.4	1466.4	1461.7	1469.2	1498.3	1516.1	1487.0	1453.3	1456.1	1458.0	1475.8
40°	1599.5	1603.3	1592.0	1591.1	1602.4	1618.3	1587.4	1565.8	1580.8	1585.5	1612.7
42.5°	1765.5	1765.5	1748.6	1743.9	1751.4	1768.3	1739.3	1725.2	1744.9	1748.6	1764.6
45°	1963.3	1968.0	1945.5	1937.1	1940.8	1946.5	1925.8	1919.3	1938.0	1946.5	1974.6
47.5°	2204.3	2209.0	2189.3	2188.4	2184.6	2188.4	2168.7	2164.9	2179.9	2173.4	2203.4
50°	2501.5	2510.0	2493.1	2516.5	2513.7	2525.0	2497.8	2478.1	2478.1	2460.3	2477.1
52.5°	2834.4	2851.2	2859.7	2899.1	2929.1	2957.2	2912.2	2881.2	2836.2	2799.7	2845.6
55°	3197.2	3192.5	3246.0	3332.2	3420.4	3486.9	3398.8	3301.3	3228.2	3152.2	3170.0
57.5°	3515.1	3531.0	3601.3	3758.8	3933.2	4073.9	3915.4	3727.9	3561.9	3453.2	3468.2
60°	3779.5	3792.6	3886.4	4113.3	4418.0	4612.1	4360.8	4051.4	3810.4	3660.4	3676.3
62.5°	4023.2	4035.4	4130.1	4380.5	4764.9	5018.0	4693.6	4270.8	4002.6	3851.7	3861.0
65°	4163.9	4171.4	4300.8	4564.2	4969.3	5230.9	4865.2	4429.2	4165.8	4012.0	4017.6
67.5°	3907.9	3920.1	4193.0	4556.7	5008.7	5234.6	4872.7	4433.9	4137.6	3937.0	3941.7
70°	3082.8	3072.5	3397.9	4023.2	4782.7	5077.1	4656.1	4101.1	3643.5	3363.2	3358.5
72.5°	2350.6	2353.4	2534.3	2962.8	3899.5	4685.2	4108.6	3302.2	2809.1	2596.2	2587.8
75°	1704.6	1730.8	1878.0	2192.1	2727.5	3501.9	3093.1	2447.1	2117.1	1989.6	1970.8
77.5°	767.9	801.6	1007.0	1376.4	1823.6	1935.2	1942.7	1661.4	1253.6	1041.7	1008.9
80°	224.1	240.0	308.5	527.9	849.5	1097.9	872.0	733.2	456.6	358.2	341.3
82.5°	94.7	107.8	132.2	146.3	246.6	509.1	316.9	201.6	187.5	151.9	138.8
85°	40.3	43.1	55.3	59.1	79.7	108.8	100.3	90.9	87.2	67.5	61.9
87.5°	16.9	16.9	16.9	15.0	14.1	15.0	20.6	26.3	34.7	27.2	25.3
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)