

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: P635051

Luminaire Tested: GWS-SA3D-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635051
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-SA3D-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13141.6 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

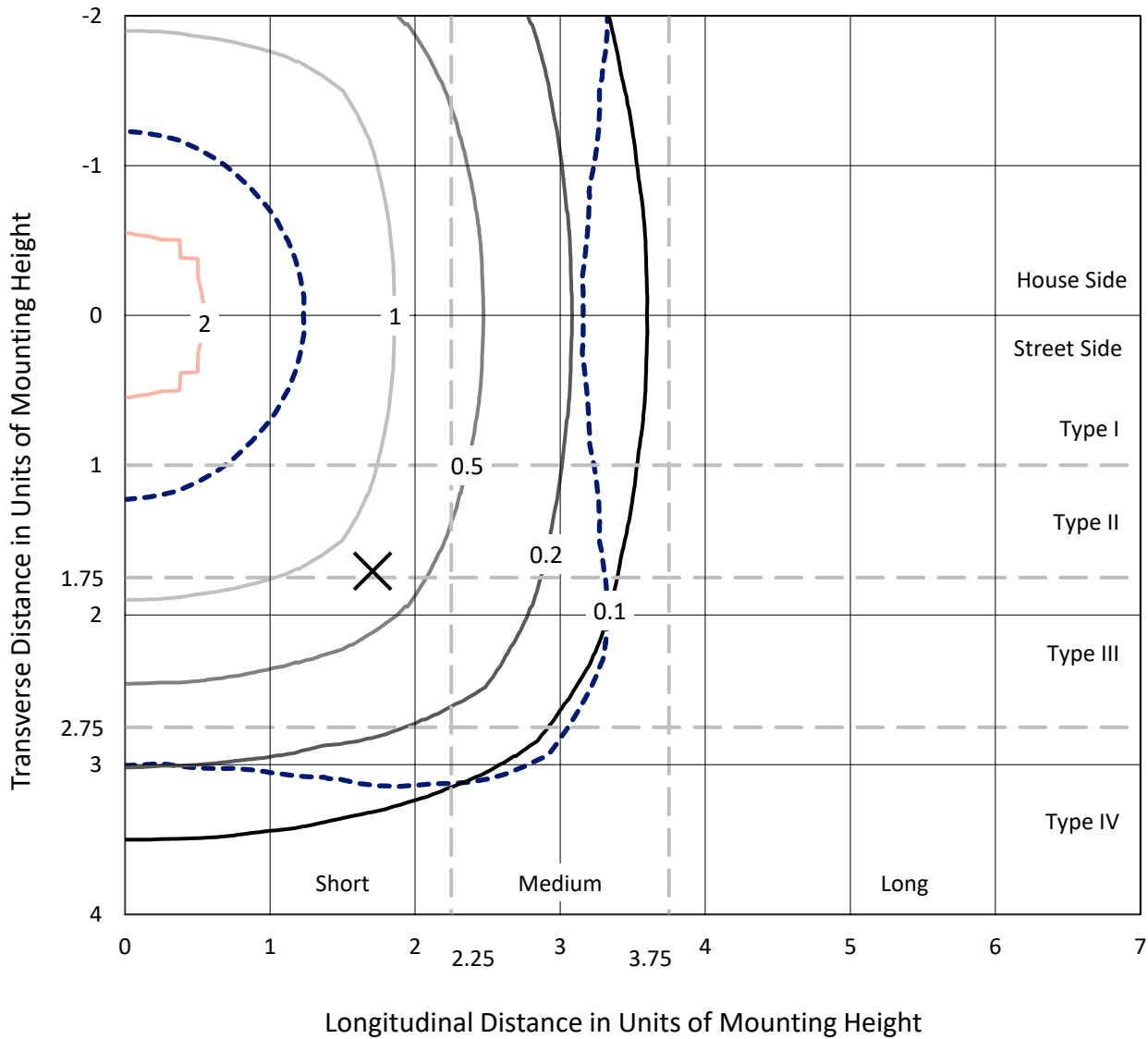
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635051
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Iso-Footcandle Lines of Horizontal Illumination

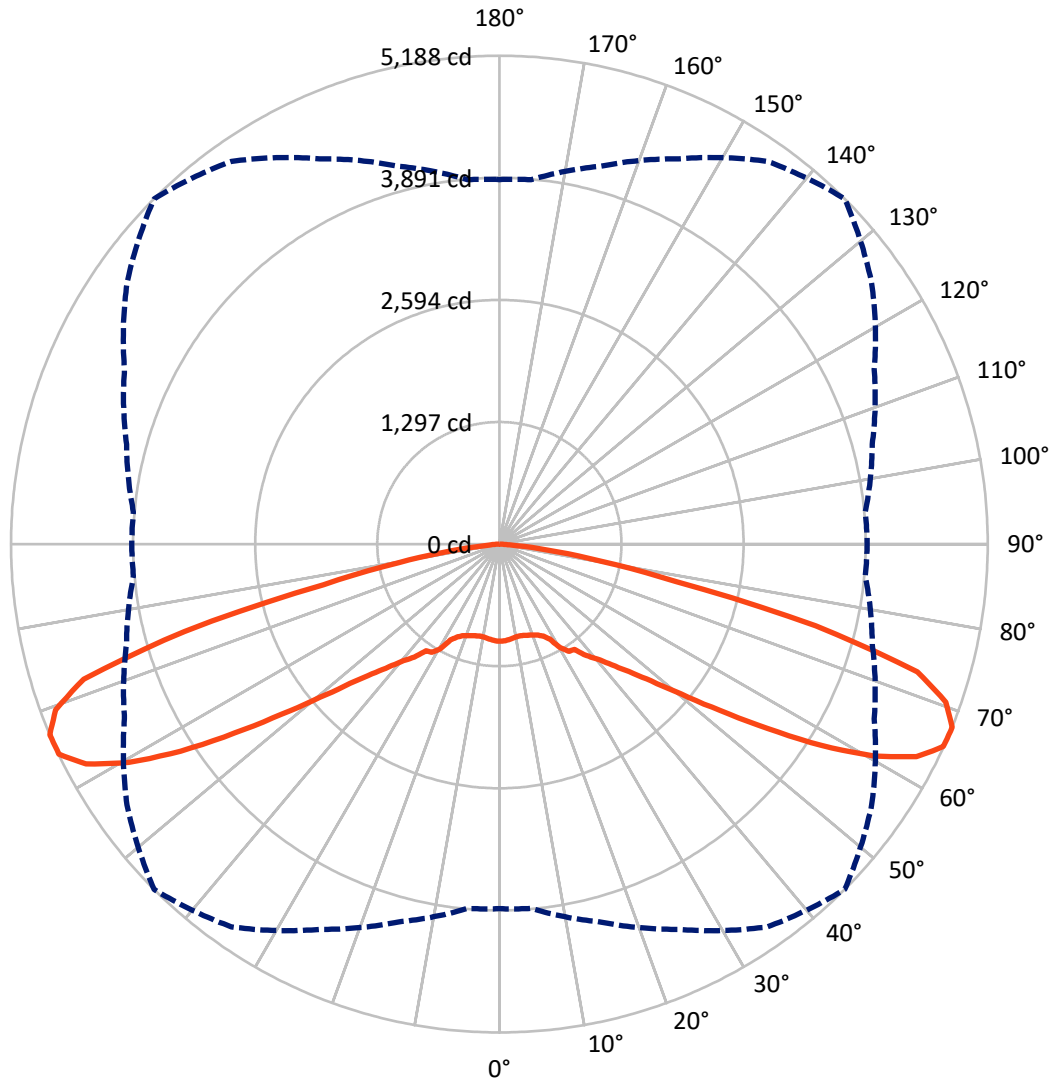
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

REPORT NUMBER: P635051
CATALOG NUMBER: GWS-SA3D-722-U-5WQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635051

CATALOG NUMBER: GWS-SA3D-722-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6570.8	0.0	6570.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6570.8	0.0	6570.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13141.6	0.0	13141.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	0.7
10°-20°	287.2	2.2
20°-30°	515.1	3.9
30°-40°	870.2	6.6
40°-50°	1528.9	11.6
50°-60°	2949.3	22.4
60°-70°	4279.0	32.6
70°-80°	2448.2	18.6
80°-90°	167.1	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°	13141.6	100.0
0°-180°	13141.6	100.0

Coefficient of Utilization



REPORT NUMBER: P635051

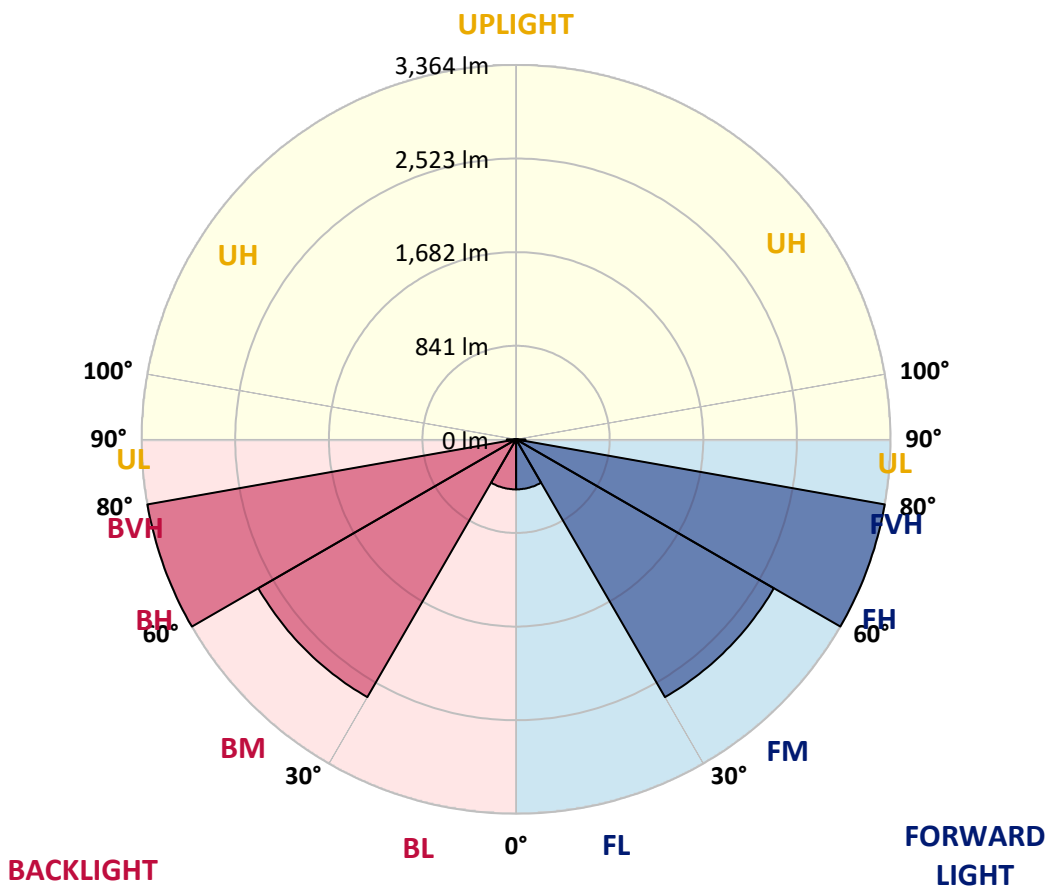
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	449.5	3.4			
FM (30°-60°)	2674.1	20.3			
FH (60°-80°)	3363.6	25.6			G2/5000
FVH (80°-90°)	83.5	0.6			G1/100
BL (0°-30°)	449.5	3.4	B1/500		
BM (30°-60°)	2674.1	20.3	B3/5000		
BH (60°-80°)	3363.6	25.6	B4/5000		G2/5000
BVH (80°-90°)	83.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6
2.5°	1022.2	1023.1	1025.0	1025.0	1026.9	1029.6	1030.6	1028.7	1029.6	1025.0	1029.6
5°	1019.4	1020.3	1021.3	1019.4	1019.4	1020.3	1020.3	1018.5	1019.4	1014.8	1019.4
7.5°	1012.9	1013.8	1013.8	1011.1	1008.3	1010.1	1010.1	1008.3	1009.2	1004.5	1010.1
10°	1007.3	1007.3	1006.4	1000.8	998.0	1000.8	1001.8	1002.7	1006.4	1002.7	1009.2
12.5°	1011.1	1011.1	1008.3	1000.8	996.2	998.0	999.9	1001.8	1008.3	1007.3	1014.8
15°	1021.3	1022.2	1014.8	1006.4	1003.6	1006.4	1004.5	1003.6	1012.0	1014.8	1023.1
17.5°	1029.6	1029.6	1020.3	1012.0	1012.9	1017.6	1013.8	1009.2	1017.6	1023.1	1032.4
20°	1037.1	1036.1	1025.9	1020.3	1024.1	1030.6	1027.8	1021.3	1026.9	1033.4	1041.7
22.5°	1055.7	1054.7	1043.6	1040.8	1044.5	1051.0	1048.2	1042.7	1049.2	1058.4	1068.7
25°	1108.6	1106.8	1090.0	1080.8	1078.9	1083.5	1082.6	1080.8	1091.0	1102.1	1114.2
27.5°	1179.3	1178.3	1166.2	1157.0	1144.9	1141.2	1143.9	1152.3	1167.2	1175.5	1185.8
30°	1214.6	1214.6	1212.7	1227.6	1253.6	1278.7	1259.2	1227.6	1214.6	1210.8	1221.1
32.5°	1261.0	1265.7	1259.2	1275.9	1319.6	1356.7	1319.6	1268.5	1259.2	1259.2	1270.3
35°	1367.9	1369.8	1359.5	1356.7	1370.7	1375.3	1357.7	1339.1	1349.3	1351.2	1365.1
37.5°	1453.4	1453.4	1448.7	1456.2	1485.0	1502.6	1473.8	1440.4	1443.2	1445.0	1462.7
40°	1585.3	1589.1	1577.9	1577.0	1588.1	1603.9	1573.3	1551.9	1566.8	1571.4	1598.4
42.5°	1749.8	1749.8	1733.1	1728.5	1735.9	1752.6	1723.8	1709.9	1729.4	1733.1	1748.9
45°	1945.9	1950.6	1928.3	1919.9	1923.6	1929.2	1908.7	1902.2	1920.8	1929.2	1957.1
47.5°	2184.7	2189.4	2169.9	2168.9	2165.2	2168.9	2149.4	2145.7	2160.6	2154.1	2183.8
50°	2479.3	2487.7	2471.0	2494.2	2491.4	2502.5	2475.6	2456.1	2456.1	2438.4	2455.2
52.5°	2809.2	2825.9	2834.3	2873.3	2903.1	2930.9	2886.3	2855.7	2811.1	2774.8	2820.4
55°	3168.8	3164.2	3217.2	3302.7	3390.0	3456.0	3368.6	3272.0	3199.5	3124.2	3141.9
57.5°	3483.9	3499.7	3569.4	3725.5	3898.3	4037.7	3880.7	3694.8	3530.3	3422.5	3437.4
60°	3745.9	3758.9	3851.9	4076.7	4378.8	4571.1	4322.1	4015.4	3776.6	3627.9	3643.7
62.5°	3987.5	3999.6	4093.5	4341.6	4722.6	4973.5	4652.0	4232.9	3967.1	3817.5	3826.8
65°	4126.9	4134.4	4262.6	4523.7	4925.2	5184.4	4822.0	4389.9	4128.8	3976.4	3982.0
67.5°	3873.2	3885.3	4155.7	4516.3	4964.2	5188.2	4829.5	4394.6	4100.9	3902.0	3906.7
70°	3055.5	3045.2	3367.7	3987.5	4740.2	5032.0	4614.8	4064.7	3611.2	3333.3	3328.7
72.5°	2329.7	2332.5	2511.8	2936.5	3864.9	4643.6	4072.1	3272.9	2784.1	2573.2	2564.8
75°	1689.4	1715.4	1861.3	2172.7	2703.3	3470.9	3065.7	2425.4	2098.3	1971.9	1953.3
77.5°	761.1	794.5	998.0	1364.2	1807.4	1918.0	1925.5	1646.7	1242.4	1032.4	999.9
80°	222.1	237.9	305.7	523.2	841.9	1088.2	864.2	726.7	452.6	355.0	338.3
82.5°	93.9	106.9	131.0	145.0	244.4	504.6	314.1	199.8	185.9	150.5	137.5
85°	40.0	42.7	54.8	58.5	79.0	107.8	99.4	90.1	86.4	66.9	61.3
87.5°	16.7	16.7	16.7	14.9	13.9	14.9	20.4	26.0	34.4	26.9	25.1
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)