

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: P630097

Luminaire Tested: GWS-SA1D-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4049.2 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

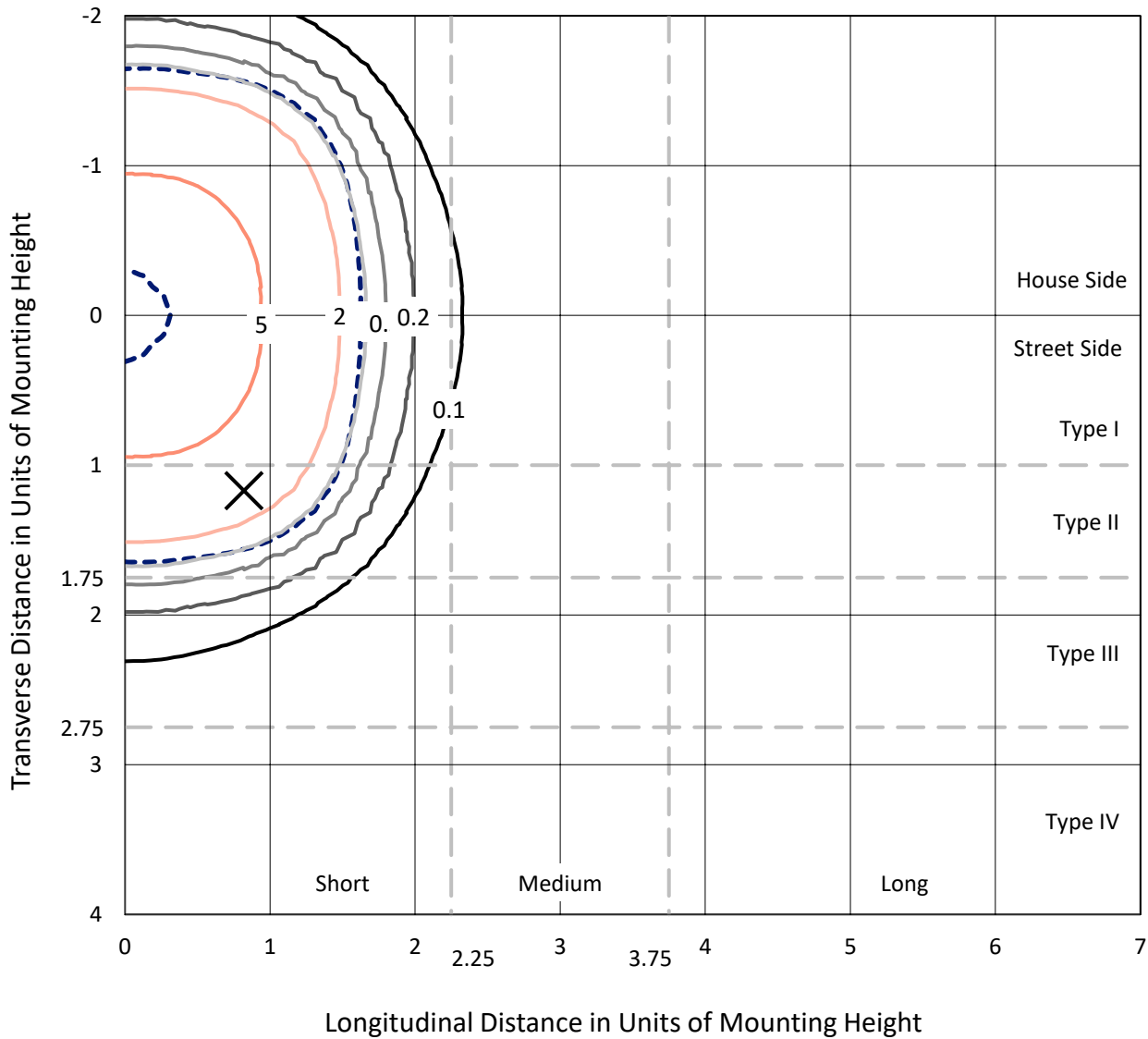
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

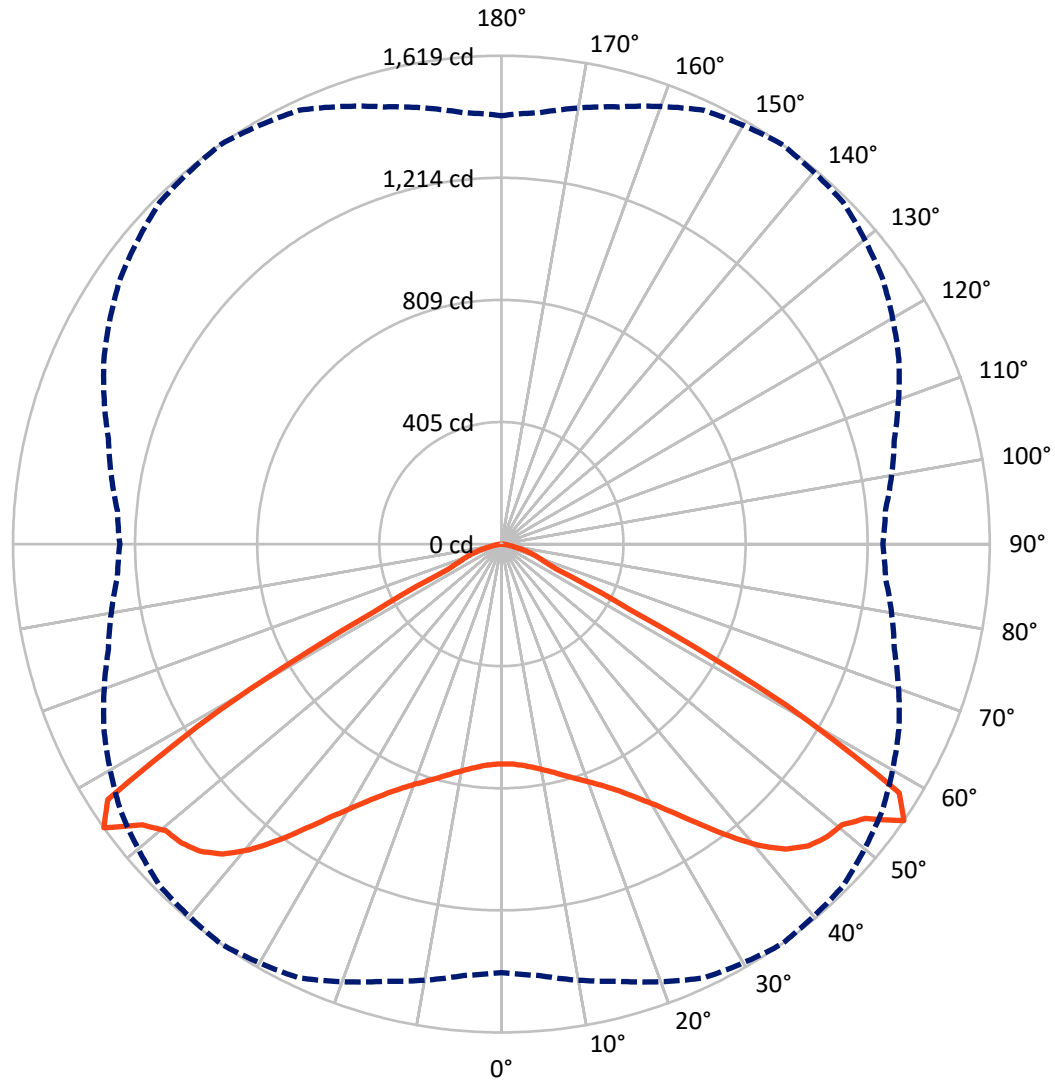
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2024.6	0.0	2024.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2024.6	0.0	2024.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4049.2	0.0	4049.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	1.8
10°-20°	226.2	5.6
20°-30°	418.7	10.3
30°-40°	700.4	17.3
40°-50°	1067.2	26.4
50°-60°	1195.5	29.5
60°-70°	282.9	7.0
70°-80°	76.3	1.9
80°-90°	11.0	0.3
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°	4049.2	100.0
0°-180°	4049.2	100.0

Coefficient of Utilization



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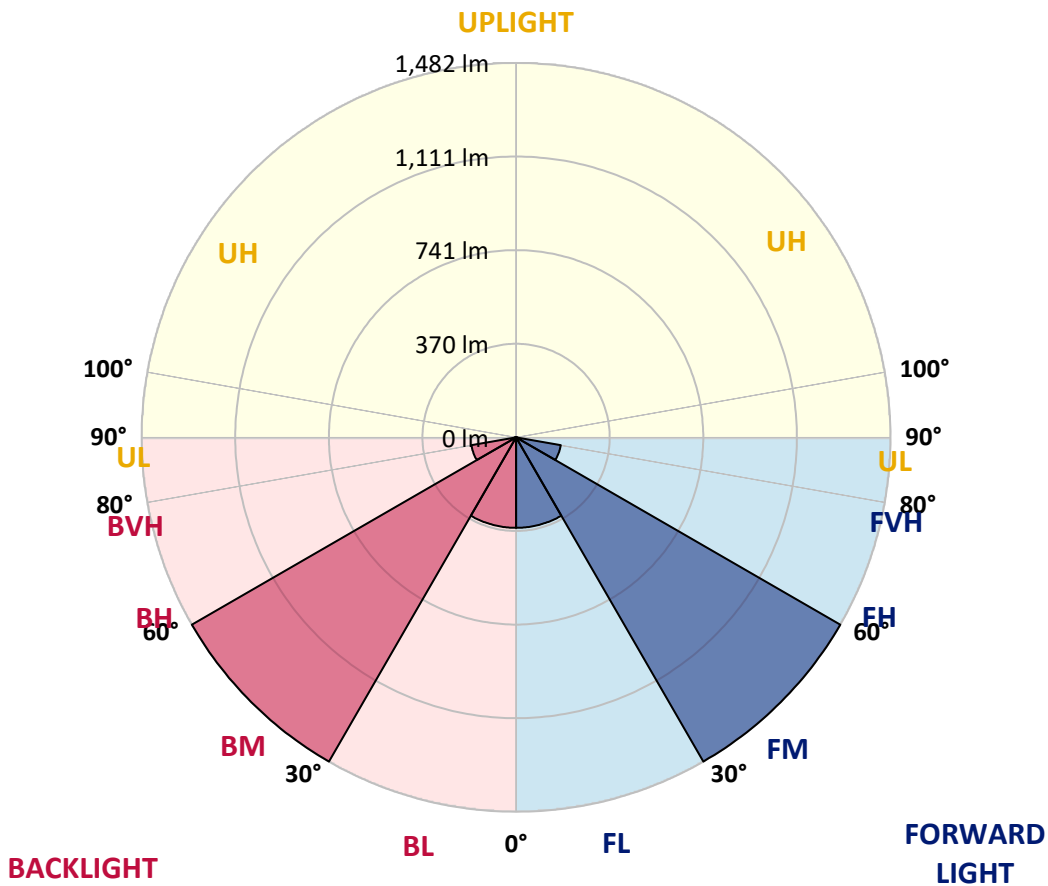
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.0	8.8			
FM (30°-60°)	1481.6	36.6			
FH (60°-80°)	179.6	4.4			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	358.0	8.8	B1/500		
BM (30°-60°)	1481.6	36.6	B2/2500		
BH (60°-80°)	179.6	4.4	B1/500		G0/660
BVH (80°-90°)	5.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.5
2.5°	726.9	726.9	728.1	729.7	730.1	733.3	732.6	731.3	730.7	729.4	732.3
5°	734.9	735.2	736.1	737.1	736.5	739.0	738.1	736.5	735.5	733.9	736.8
7.5°	745.4	745.4	746.4	747.7	747.0	750.9	749.0	746.7	745.1	743.2	745.8
10°	755.0	755.7	756.6	759.2	760.5	764.6	763.4	760.2	757.6	755.4	758.2
12.5°	769.4	770.1	771.0	774.6	776.8	781.0	779.1	774.6	770.7	767.5	770.7
15°	788.0	787.4	789.9	794.4	797.3	801.1	798.9	791.2	786.1	781.9	785.1
17.5°	806.9	806.6	809.2	814.9	819.1	824.2	820.4	811.4	806.0	800.8	804.0
20°	827.4	828.4	830.9	836.4	842.5	849.2	846.0	836.4	830.3	824.5	827.1
22.5°	852.7	853.0	855.9	862.9	871.0	877.4	875.4	863.6	855.9	849.8	853.0
25°	883.1	882.8	886.6	895.0	906.2	912.6	908.4	895.3	887.0	879.9	882.5
27.5°	918.0	917.7	923.5	934.4	950.4	959.3	950.7	934.4	922.8	912.9	915.1
30°	961.9	960.9	967.3	982.1	1002.9	1017.9	1005.1	982.4	967.3	956.8	959.0
32.5°	1010.6	1011.8	1019.8	1039.7	1066.0	1085.5	1066.3	1041.0	1020.8	1005.4	1008.0
35°	1064.0	1064.0	1080.4	1105.0	1142.5	1168.4	1138.6	1102.1	1075.2	1054.1	1054.7
37.5°	1123.6	1124.2	1145.7	1179.6	1228.6	1259.0	1218.7	1173.5	1140.9	1118.1	1116.9
40°	1196.3	1198.2	1220.3	1258.1	1313.2	1341.0	1297.8	1253.6	1220.3	1193.4	1190.8
42.5°	1278.3	1278.9	1302.3	1336.2	1382.6	1399.3	1365.3	1329.2	1301.9	1277.6	1275.0
45°	1356.4	1354.8	1375.0	1400.2	1427.1	1428.7	1409.9	1395.1	1371.4	1350.6	1346.8
47.5°	1417.2	1415.9	1434.2	1448.0	1451.2	1435.5	1441.6	1443.8	1416.3	1388.1	1380.7
50°	1454.4	1456.9	1474.2	1481.9	1463.0	1437.4	1460.4	1454.7	1415.3	1378.5	1366.6
52.5°	1476.8	1480.6	1510.7	1530.3	1510.7	1486.4	1489.6	1455.6	1399.0	1350.3	1334.9
55°	1420.1	1435.5	1500.5	1586.9	1618.9	1602.0	1541.1	1453.7	1348.7	1277.9	1264.8
57.5°	1052.5	1076.8	1173.2	1360.5	1555.2	1617.0	1439.3	1218.7	1059.6	968.6	960.9
60°	537.3	564.5	641.7	834.1	1084.5	1171.6	1002.6	780.3	620.2	546.6	538.3
62.5°	219.3	223.8	249.1	323.4	479.3	553.0	485.7	341.0	256.2	236.0	236.3
65°	172.6	173.6	172.3	176.8	200.8	222.9	205.9	180.9	176.4	178.7	177.1
67.5°	150.5	150.8	149.9	149.9	150.8	149.9	151.8	152.7	153.4	155.9	154.3
70°	125.8	126.2	126.2	126.8	126.5	124.9	127.8	129.0	129.4	131.0	130.0
72.5°	97.3	98.3	98.9	99.3	98.9	98.0	99.6	101.8	101.5	103.1	101.5
75°	66.0	67.2	67.9	69.2	68.8	68.8	70.8	71.7	70.8	72.0	70.8
77.5°	37.5	38.4	40.3	41.6	42.9	43.9	45.1	45.8	45.5	46.1	45.5
80°	21.8	22.1	23.7	24.3	25.9	27.5	28.8	29.5	29.8	30.1	29.8
82.5°	12.5	12.8	13.4	14.1	15.4	16.7	17.9	18.9	18.9	19.2	18.9
85°	6.1	6.1	6.4	6.7	7.4	8.3	9.3	10.2	10.6	10.6	10.6
87.5°	1.0	1.0	1.3	1.3	1.6	1.9	2.6	3.2	3.5	3.5	3.5
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)