

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: P630096

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3143 lumens
Efficiency: N/A
Efficacy: 70.9 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

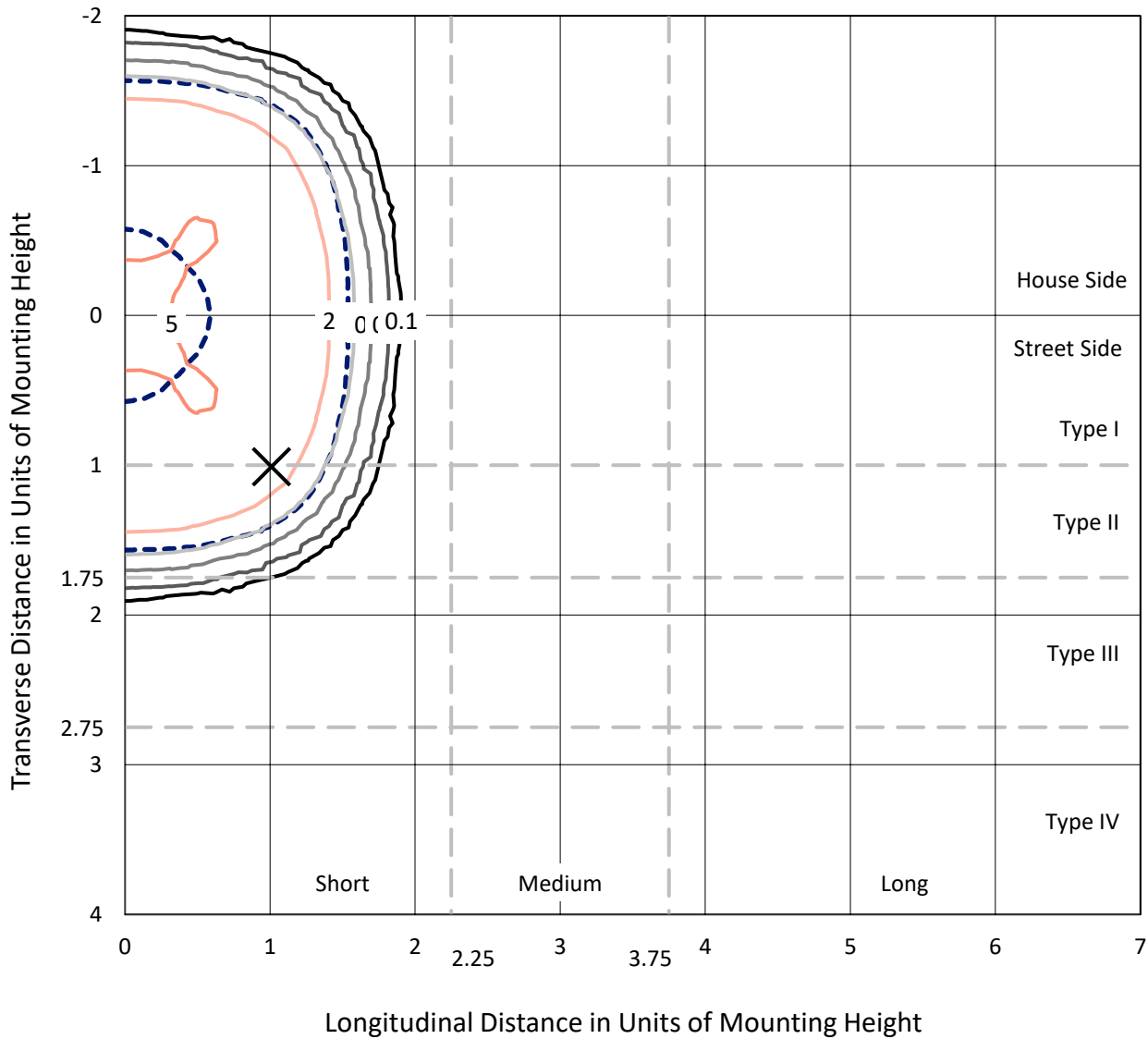
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

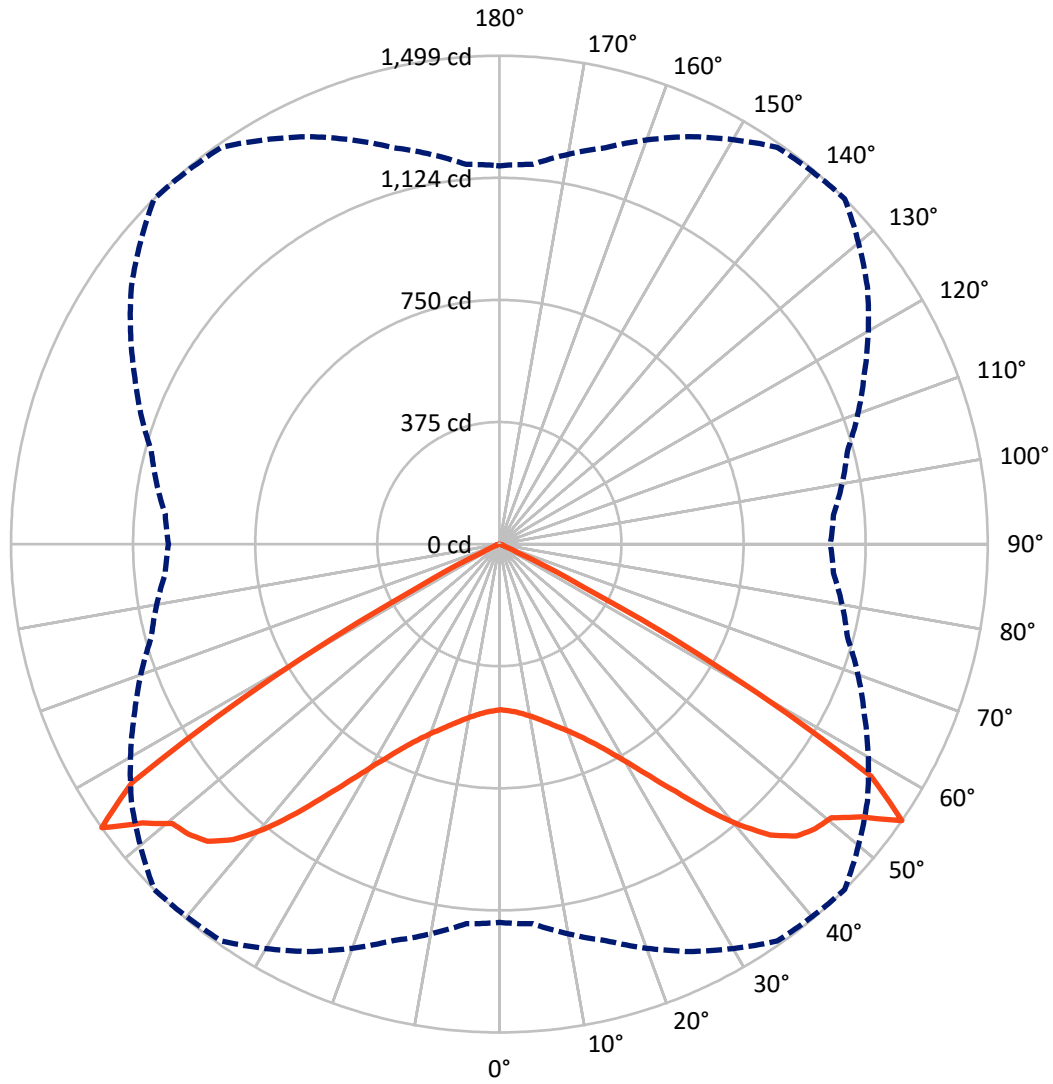
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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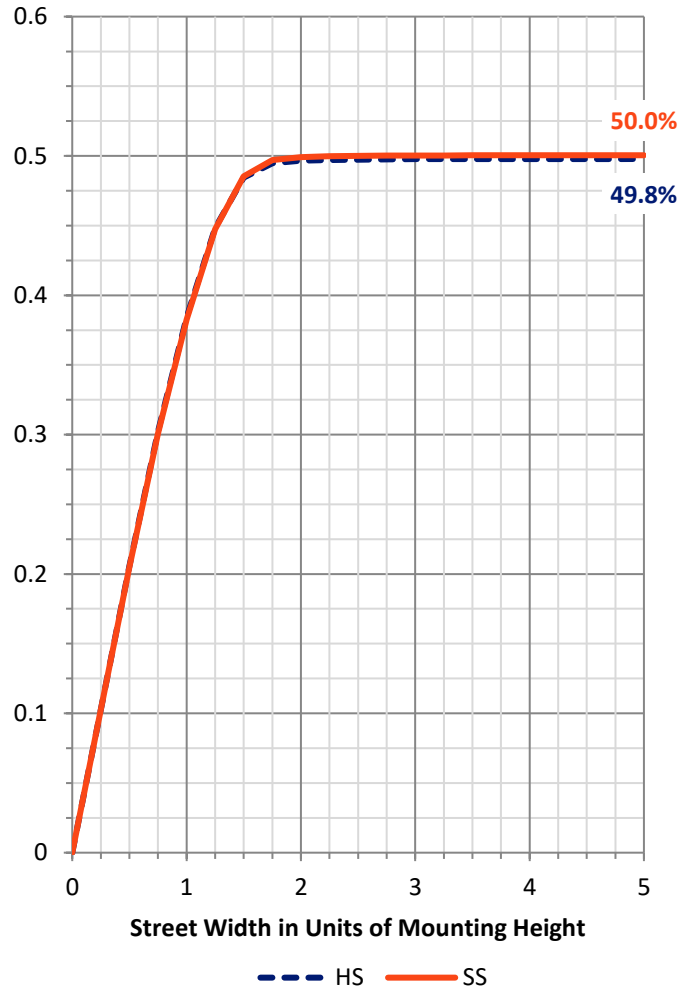
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1571.5	0.0	1571.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1571.5	0.0	1571.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3143.0	0.0	3143.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	1.6
10°-20°	161.4	5.1
20°-30°	312.6	9.9
30°-40°	560.0	17.8
40°-50°	938.8	29.9
50°-60°	1005.0	32.0
60°-70°	110.4	3.5
70°-80°	4.9	0.2
80°-90°	0.2	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°	3143.0	100.0
0°-180°	3143.0	100.0

Coefficient of Utilization



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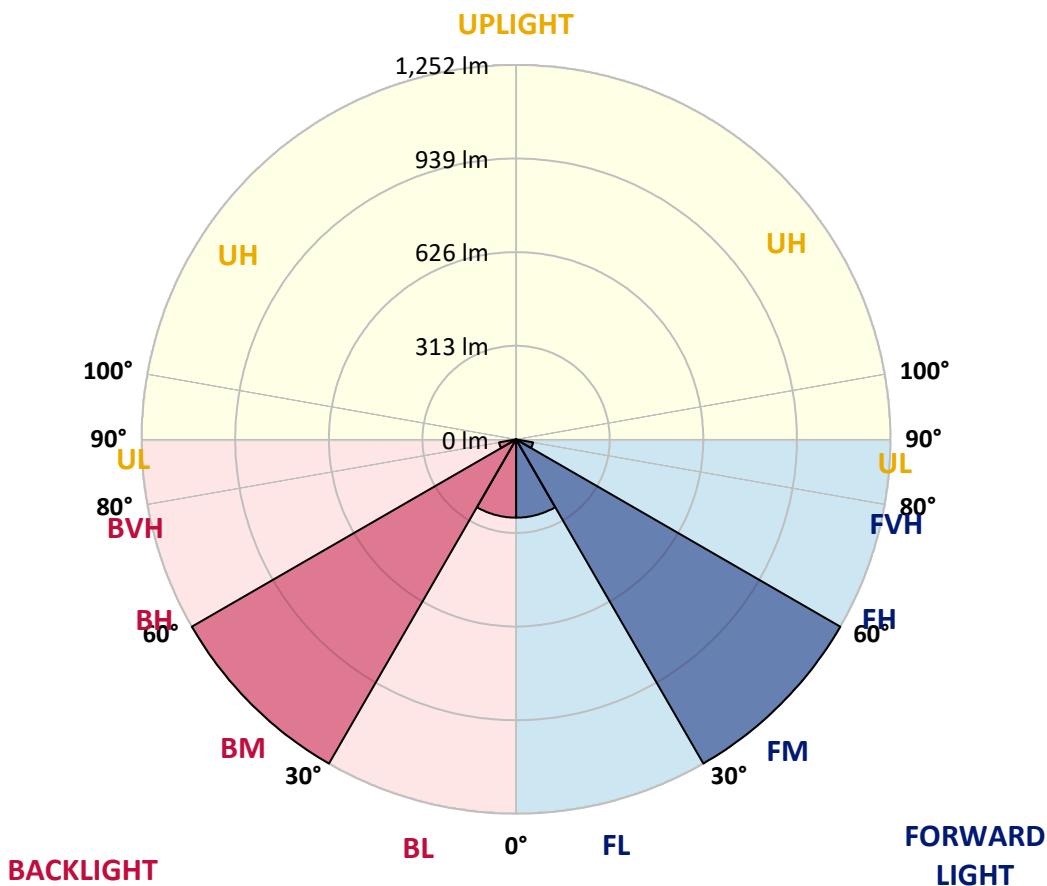
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.9	8.3			
FM (30°-60°)	1251.9	39.8			
FH (60°-80°)	57.6	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	261.9	8.3	B1/500		
BM (30°-60°)	1251.9	39.8	B2/2500		
BH (60°-80°)	57.6	1.8	B0/110		G0/660
BVH (80°-90°)	0.1	0.0			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°	508.2	508.2	508.2	508.2	508.2	508.2	508.2	508.2	508.2	508.2	508.2
2.5°	507.2	507.2	508.5	509.4	509.4	512.0	511.0	510.1	510.1	508.8	511.4
5°	514.6	514.2	515.5	516.2	514.9	517.4	515.8	514.9	514.2	513.0	515.5
7.5°	522.6	522.9	523.2	524.5	523.9	526.4	525.1	523.2	522.6	520.7	523.2
10°	532.2	532.2	532.8	534.4	534.7	537.9	536.7	534.4	532.5	530.6	533.1
12.5°	544.3	544.7	545.6	547.9	549.1	552.7	550.7	546.3	543.4	541.1	544.0
15°	562.0	561.6	562.9	566.1	567.7	570.3	567.4	561.3	557.8	555.2	557.2
17.5°	581.2	581.2	581.8	585.0	587.3	591.1	587.6	580.2	577.0	573.5	575.4
20°	602.3	603.3	603.9	606.1	610.0	613.8	610.9	603.6	600.1	595.6	597.8
22.5°	630.2	629.2	629.5	633.4	638.8	642.6	640.4	631.8	625.7	622.2	623.4
25°	661.2	660.9	661.9	667.6	673.7	677.9	674.7	663.5	657.4	651.3	653.9
27.5°	699.3	699.6	700.3	707.3	716.9	723.0	715.0	703.8	695.5	687.5	689.4
30°	744.5	743.8	745.8	755.4	769.4	779.1	769.8	754.1	742.2	734.5	735.5
32.5°	792.5	793.1	798.3	813.6	832.2	849.2	830.3	809.5	794.1	779.7	781.6
35°	844.4	846.0	857.5	880.2	910.7	933.4	907.1	872.9	851.1	832.5	833.2
37.5°	905.5	909.4	925.4	959.3	1002.9	1033.3	994.9	949.4	921.2	898.2	896.6
40°	985.9	990.4	1012.2	1052.5	1105.3	1133.2	1088.7	1041.9	1007.0	982.1	978.2
42.5°	1078.1	1083.9	1107.6	1148.9	1201.7	1220.6	1177.1	1137.7	1106.3	1076.8	1075.6
45°	1182.2	1185.4	1204.6	1236.3	1274.4	1278.9	1246.2	1224.5	1192.8	1165.2	1163.0
47.5°	1279.9	1283.1	1296.2	1312.5	1321.5	1305.5	1299.7	1290.1	1249.1	1215.2	1208.1
50°	1354.1	1356.7	1373.0	1379.4	1354.5	1320.5	1331.7	1311.2	1266.7	1228.6	1217.7
52.5°	1349.0	1355.4	1397.4	1433.9	1418.2	1390.6	1360.5	1316.4	1247.2	1195.0	1181.5
55°	1161.4	1170.0	1260.0	1380.1	1487.3	1499.2	1378.8	1236.3	1106.3	1029.8	1016.0
57.5°	746.4	748.6	858.5	1026.9	1268.6	1344.9	1143.4	932.1	770.4	686.2	680.4
60°	274.4	269.9	352.9	492.5	730.7	811.4	673.1	471.3	336.2	276.7	271.9
62.5°	66.0	66.6	82.6	123.9	229.3	283.7	224.1	125.2	79.7	66.9	66.3
65°	33.3	32.7	33.0	35.5	49.0	58.6	48.0	33.9	32.7	33.0	32.7
67.5°	21.5	21.1	21.8	22.1	21.8	20.5	20.2	20.8	20.8	21.1	20.5
70°	13.1	12.8	13.4	14.4	13.8	12.2	12.8	13.4	12.8	12.5	12.5
72.5°	7.0	7.0	7.7	8.3	7.7	7.0	7.0	7.4	7.0	7.0	7.0
75°	3.2	3.2	3.5	3.8	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	1.0	1.0	1.3	1.3	1.0	1.0	1.0	1.0	1.3	1.3	1.3
80°	0.3	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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)