

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: P630101

Luminaire Tested: GWS-SA1D-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630101
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-SA1D-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4528.2 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

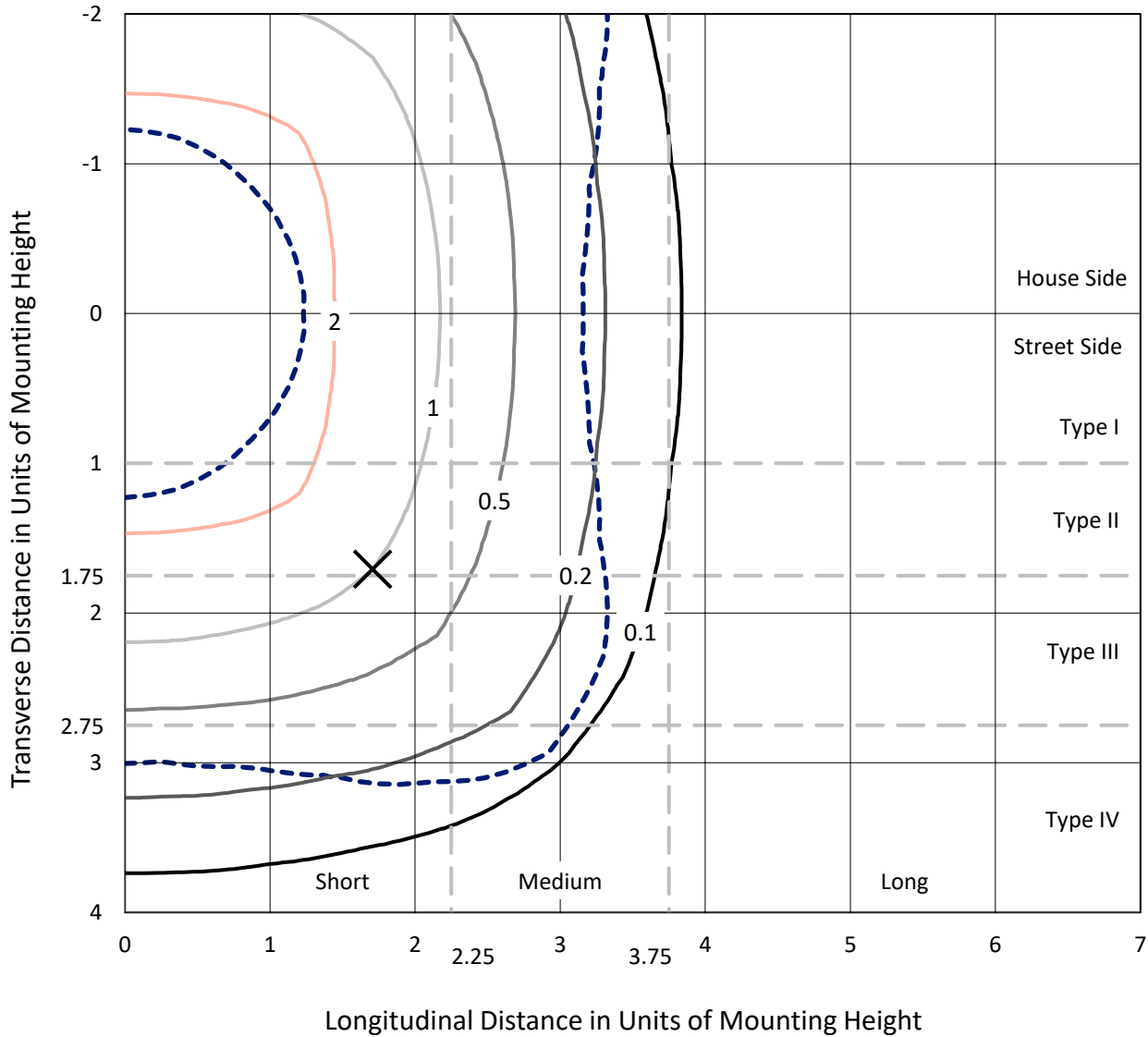
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

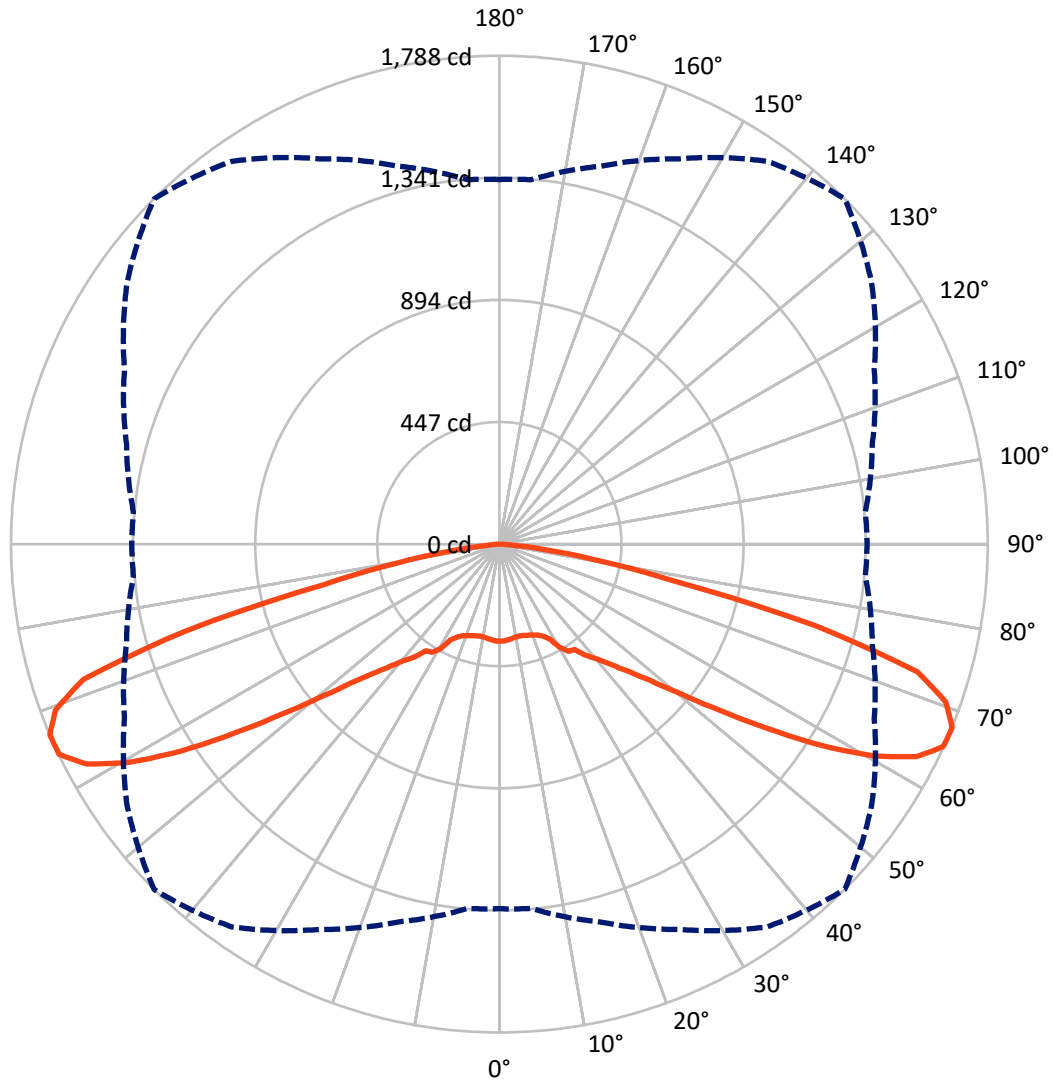
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 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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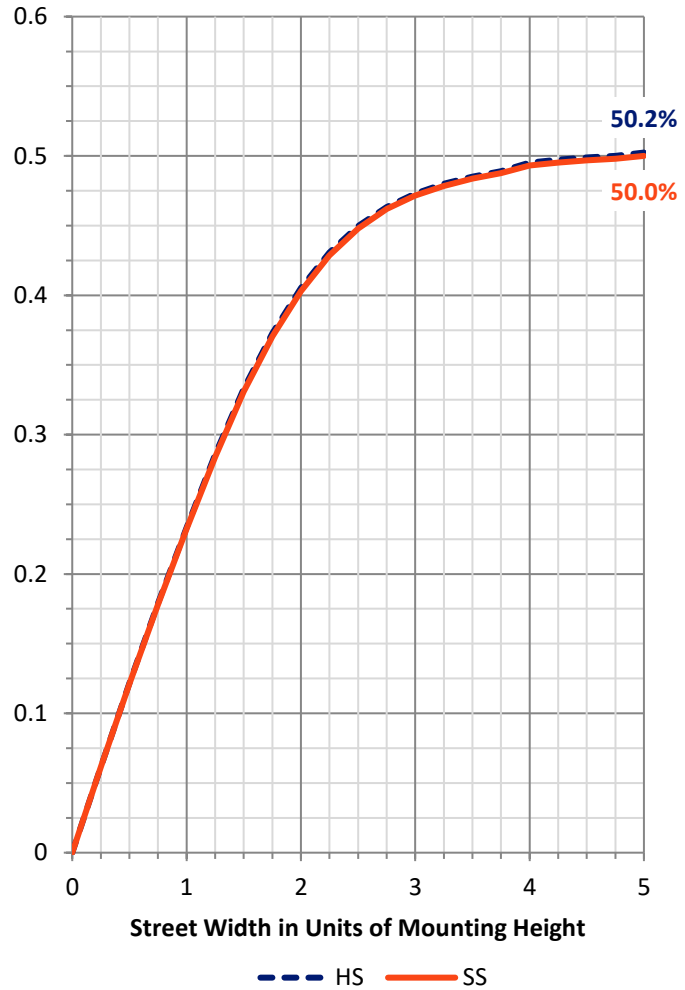
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2264.1	0.0	2264.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2264.1	0.0	2264.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4528.2	0.0	4528.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	0.7
10°-20°	98.9	2.2
20°-30°	177.5	3.9
30°-40°	299.8	6.6
40°-50°	526.8	11.6
50°-60°	1016.2	22.4
60°-70°	1474.4	32.6
70°-80°	843.6	18.6
80°-90°	57.6	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°	4528.2	100.0
0°-180°	4528.2	100.0

Coefficient of Utilization



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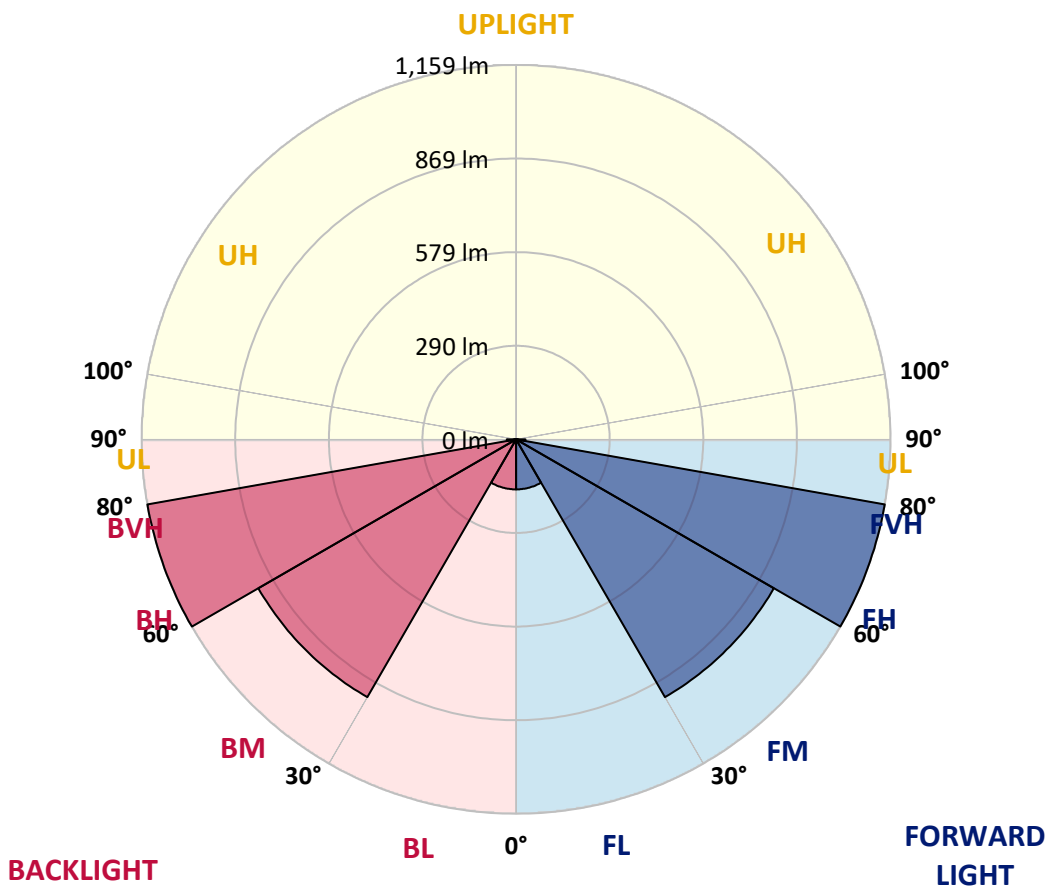
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.9	3.4			
FM (30°-60°)	921.4	20.3			
FH (60°-80°)	1159.0	25.6			G1/1800
FVH (80°-90°)	28.8	0.6			G1/100
BL (0°-30°)	154.9	3.4	B1/500		
BM (30°-60°)	921.4	20.3	B1/1000		
BH (60°-80°)	1159.0	25.6	B3/2500		G1/1800
BVH (80°-90°)	28.8	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: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	355.1	355.1	355.1	355.1	355.1	355.1	355.1	355.1	355.1	355.1	355.1
2.5°	352.2	352.5	353.2	353.2	353.8	354.8	355.1	354.5	354.8	353.2	354.8
5°	351.3	351.6	351.9	351.3	351.3	351.6	351.6	350.9	351.3	349.7	351.3
7.5°	349.0	349.3	349.3	348.4	347.4	348.1	348.1	347.4	347.7	346.1	348.1
10°	347.1	347.1	346.8	344.9	343.9	344.9	345.2	345.5	346.8	345.5	347.7
12.5°	348.4	348.4	347.4	344.9	343.3	343.9	344.5	345.2	347.4	347.1	349.7
15°	351.9	352.2	349.7	346.8	345.8	346.8	346.1	345.8	348.7	349.7	352.5
17.5°	354.8	354.8	351.6	348.7	349.0	350.6	349.3	347.7	350.6	352.5	355.7
20°	357.3	357.0	353.5	351.6	352.9	355.1	354.1	351.9	353.8	356.1	358.9
22.5°	363.7	363.4	359.6	358.6	359.9	362.1	361.2	359.3	361.5	364.7	368.2
25°	382.0	381.4	375.6	372.4	371.8	373.4	373.0	372.4	375.9	379.8	383.9
27.5°	406.3	406.0	401.9	398.7	394.5	393.2	394.2	397.0	402.2	405.1	408.6
30°	418.5	418.5	417.9	423.0	432.0	440.6	433.9	423.0	418.5	417.2	420.7
32.5°	434.5	436.1	433.9	439.6	454.7	467.5	454.7	437.1	433.9	433.9	437.7
35°	471.3	472.0	468.5	467.5	472.3	473.9	467.8	461.4	464.9	465.6	470.4
37.5°	500.8	500.8	499.2	501.8	511.7	517.8	507.8	496.3	497.3	497.9	504.0
40°	546.3	547.5	543.7	543.4	547.2	552.7	542.1	534.7	539.9	541.5	550.7
42.5°	602.9	602.9	597.2	595.6	598.1	603.9	594.0	589.2	595.9	597.2	602.6
45°	670.5	672.1	664.4	661.5	662.8	664.7	657.7	655.5	661.9	664.7	674.3
47.5°	752.8	754.4	747.7	747.3	746.1	747.3	740.6	739.3	744.5	742.2	752.5
50°	854.3	857.2	851.4	859.4	858.5	862.3	853.0	846.3	846.3	840.2	846.0
52.5°	968.0	973.7	976.6	990.1	1000.3	1009.9	994.5	984.0	968.6	956.1	971.8
55°	1091.9	1090.3	1108.5	1138.0	1168.1	1190.8	1160.7	1127.4	1102.5	1076.5	1082.6
57.5°	1200.4	1205.9	1229.9	1283.7	1343.2	1391.3	1337.2	1273.1	1216.4	1179.3	1184.4
60°	1290.7	1295.2	1327.2	1404.7	1508.8	1575.1	1489.3	1383.6	1301.3	1250.1	1255.5
62.5°	1374.0	1378.1	1410.5	1496.0	1627.3	1713.7	1602.9	1458.5	1366.9	1315.4	1318.6
65°	1422.0	1424.6	1468.8	1558.7	1697.1	1786.4	1661.5	1512.6	1422.7	1370.1	1372.1
67.5°	1334.6	1338.8	1431.9	1556.2	1710.5	1787.7	1664.1	1514.2	1413.0	1344.5	1346.1
70°	1052.8	1049.3	1160.4	1374.0	1633.3	1733.9	1590.1	1400.6	1244.3	1148.6	1147.0
72.5°	802.7	803.7	865.5	1011.8	1331.7	1600.0	1403.1	1127.7	959.3	886.6	883.8
75°	582.1	591.1	641.4	748.6	931.5	1196.0	1056.3	835.7	723.0	679.5	673.1
77.5°	262.2	273.8	343.9	470.1	622.8	660.9	663.5	567.4	428.1	355.7	344.5
80°	76.5	82.0	105.3	180.3	290.1	375.0	297.8	250.4	155.9	122.3	116.6
82.5°	32.3	36.8	45.1	50.0	84.2	173.9	108.2	68.8	64.0	51.9	47.4
85°	13.8	14.7	18.9	20.2	27.2	37.1	34.3	31.1	29.8	23.1	21.1
87.5°	5.8	5.8	5.8	5.1	4.8	5.1	7.0	9.0	11.8	9.3	8.6
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)