

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: P631581

Luminaire Tested: GWS-SA2B-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631581
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-SA2B-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3577.1 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

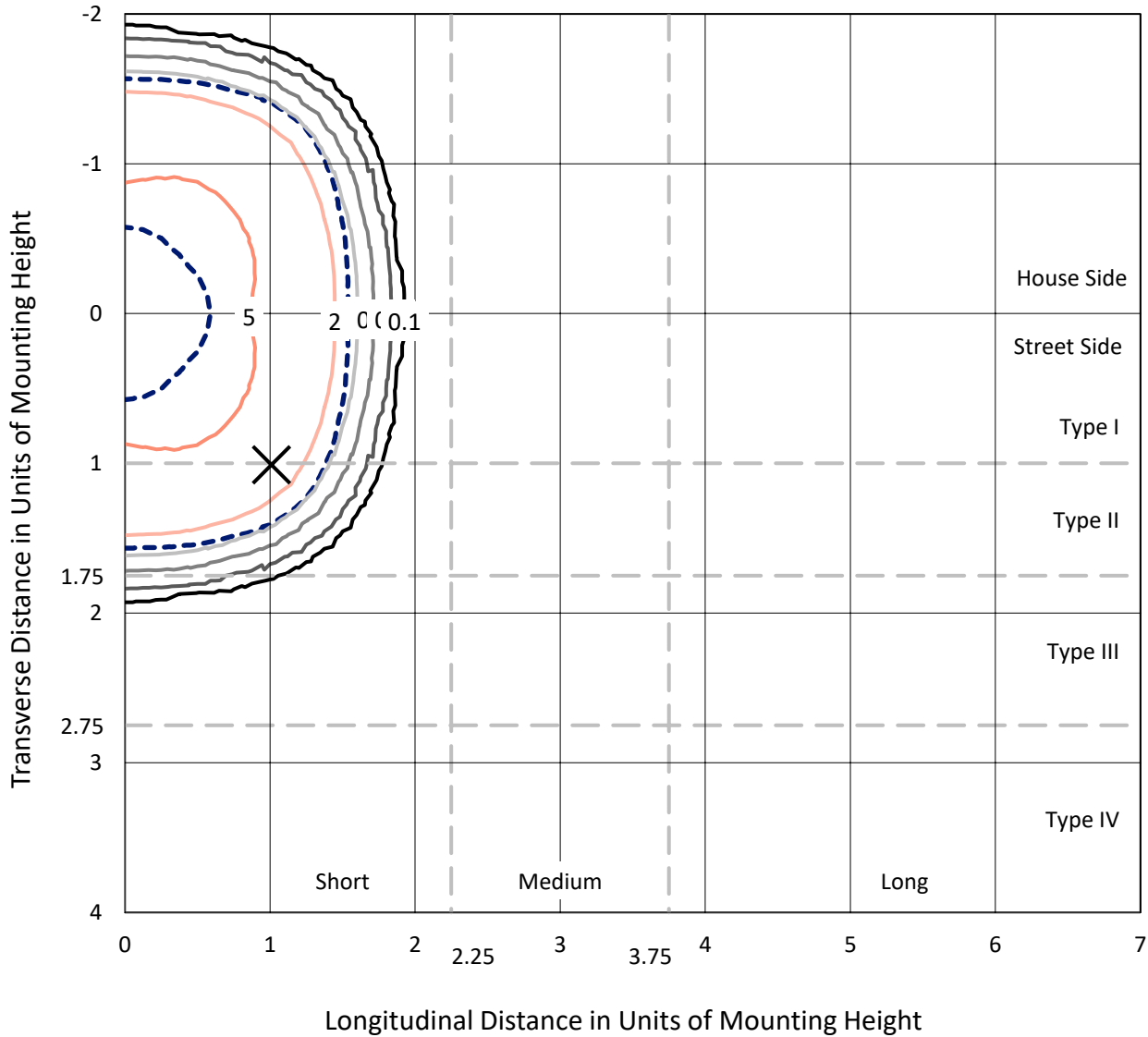
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

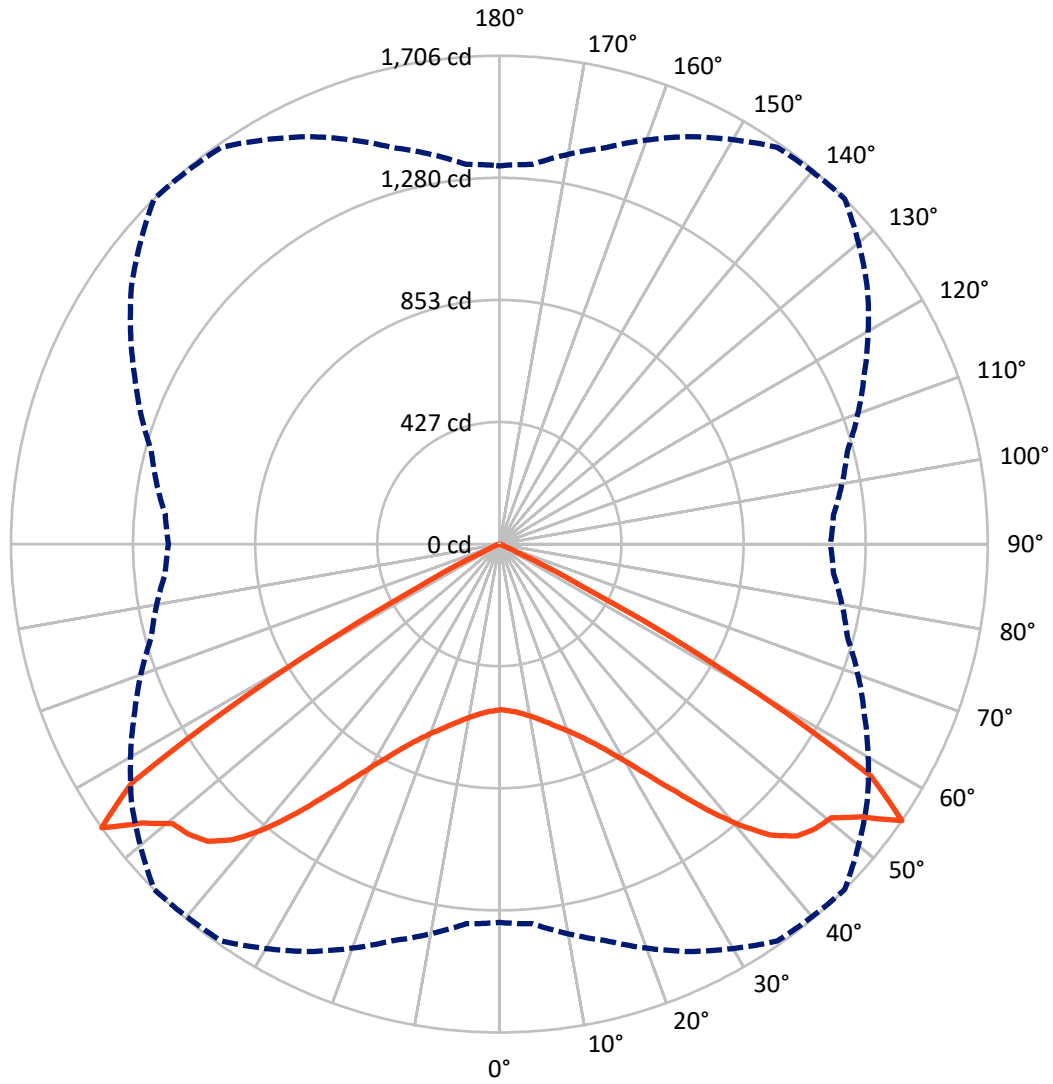
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 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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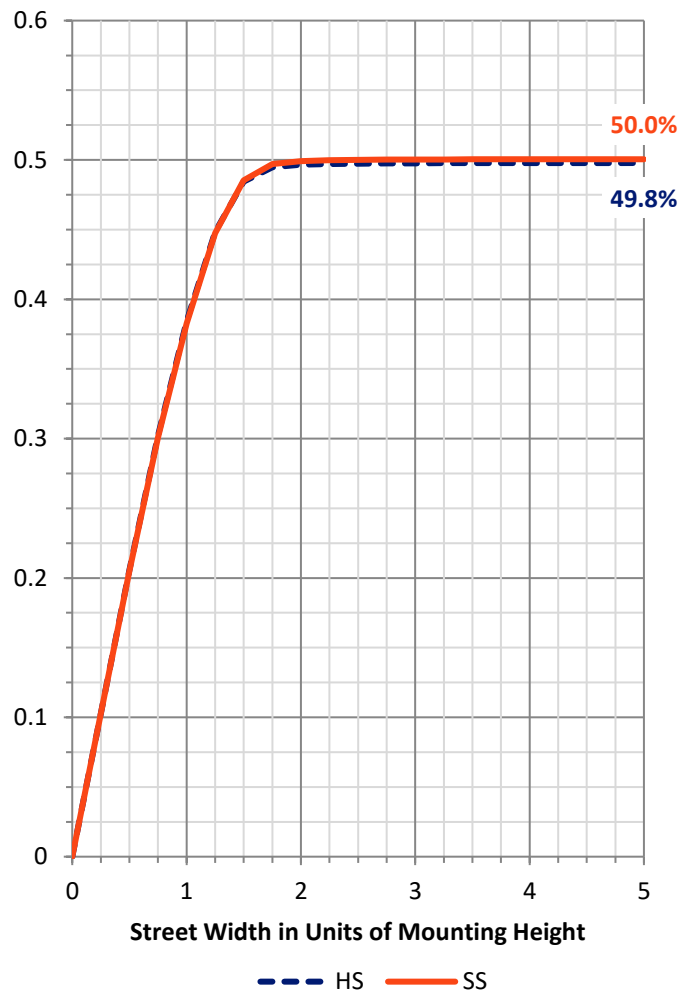
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1788.6	0.0	1788.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1788.6	0.0	1788.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3577.1	0.0	3577.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	1.6
10°-20°	183.7	5.1
20°-30°	355.7	9.9
30°-40°	637.3	17.8
40°-50°	1068.5	29.9
50°-60°	1143.8	32.0
60°-70°	125.7	3.5
70°-80°	5.5	0.2
80°-90°	0.3	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°	3577.1	100.0
0°-180°	3577.1	100.0

Coefficient of Utilization



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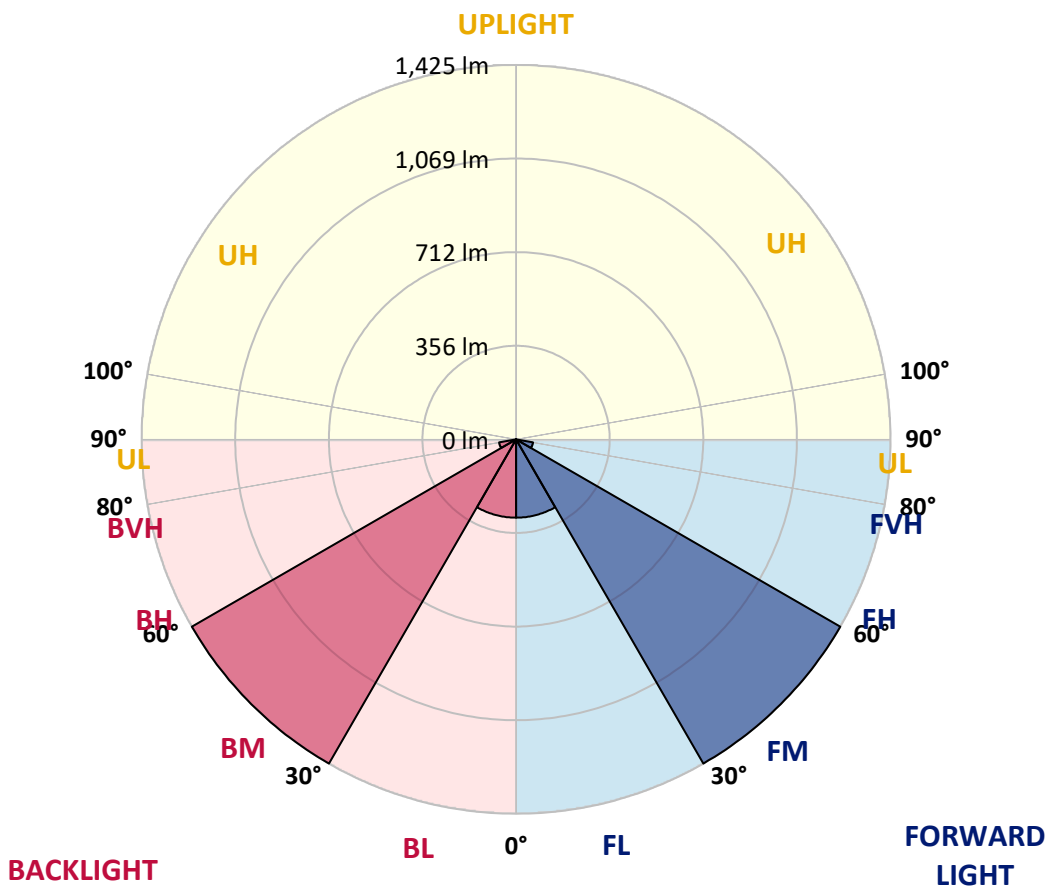
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.0	8.3			
FM (30°-60°)	1424.8	39.8			
FH (60°-80°)	65.6	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	298.0	8.3	B1/500		
BM (30°-60°)	1424.8	39.8	B2/2500		
BH (60°-80°)	65.6	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°	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3
2.5°	577.3	577.3	578.7	579.8	579.8	582.7	581.6	580.5	580.5	579.1	582.0
5°	585.6	585.3	586.7	587.5	586.0	588.9	587.1	586.0	585.3	583.8	586.7
7.5°	594.7	595.1	595.5	596.9	596.2	599.1	597.7	595.5	594.7	592.6	595.5
10°	605.7	605.7	606.4	608.2	608.6	612.2	610.8	608.2	606.0	603.9	606.8
12.5°	619.5	619.9	621.0	623.5	625.0	629.0	626.8	621.7	618.4	615.9	619.2
15°	639.6	639.2	640.7	644.3	646.1	649.0	645.8	638.8	634.8	631.9	634.1
17.5°	661.4	661.4	662.2	665.8	668.4	672.7	668.7	660.3	656.7	652.7	654.9
20°	685.5	686.6	687.3	689.9	694.2	698.6	695.3	686.9	682.9	677.8	680.4
22.5°	717.2	716.1	716.5	720.8	727.0	731.4	728.9	719.0	712.1	708.1	709.5
25°	752.5	752.2	753.3	759.8	766.8	771.5	767.9	755.1	748.2	741.2	744.2
27.5°	795.9	796.3	797.0	805.0	816.0	822.9	813.8	801.0	791.5	782.4	784.6
30°	847.3	846.6	848.8	859.7	875.7	886.7	876.1	858.2	844.7	836.0	837.1
32.5°	902.0	902.7	908.5	926.0	947.1	966.5	945.0	921.3	903.8	887.4	889.6
35°	961.0	962.8	975.9	1001.8	1036.4	1062.3	1032.4	993.4	968.7	947.5	948.2
37.5°	1030.6	1035.0	1053.2	1091.8	1141.4	1176.0	1132.3	1080.5	1048.5	1022.2	1020.4
40°	1122.1	1127.2	1152.0	1197.9	1258.0	1289.7	1239.1	1185.9	1146.1	1117.7	1113.3
42.5°	1227.0	1233.6	1260.6	1307.6	1367.7	1389.2	1339.6	1294.8	1259.1	1225.6	1224.1
45°	1345.5	1349.1	1371.0	1407.1	1450.4	1455.5	1418.4	1393.6	1357.5	1326.2	1323.6
47.5°	1456.6	1460.3	1475.2	1493.8	1504.0	1485.8	1479.2	1468.3	1421.6	1383.0	1375.0
50°	1541.2	1544.1	1562.7	1570.0	1541.5	1502.9	1515.7	1492.3	1441.7	1398.3	1385.9
52.5°	1535.3	1542.6	1590.4	1631.9	1614.1	1582.7	1548.5	1498.2	1419.4	1360.0	1344.7
55°	1321.8	1331.6	1434.0	1570.7	1692.8	1706.3	1569.2	1407.1	1259.1	1172.0	1156.3
57.5°	849.5	852.0	977.0	1168.7	1443.9	1530.6	1301.4	1060.9	876.8	781.0	774.4
60°	312.3	307.2	401.6	560.5	831.6	923.5	766.0	536.4	382.6	314.9	309.4
62.5°	75.1	75.8	94.0	141.0	260.9	322.9	255.1	142.5	90.7	76.2	75.4
65°	37.9	37.2	37.5	40.5	55.8	66.7	54.7	38.6	37.2	37.5	37.2
67.5°	24.4	24.1	24.8	25.1	24.8	23.3	23.0	23.7	23.7	24.1	23.3
70°	14.9	14.6	15.3	16.4	15.7	13.8	14.6	15.3	14.6	14.2	14.2
72.5°	8.0	8.0	8.7	9.5	8.7	8.0	8.0	8.4	8.0	8.0	8.0
75°	3.6	3.6	4.0	4.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6
77.5°	1.1	1.1	1.5	1.5	1.1	1.1	1.1	1.1	1.5	1.5	1.5
80°	0.4	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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)