

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: P631582

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631582
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-SA2B-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4608.4 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

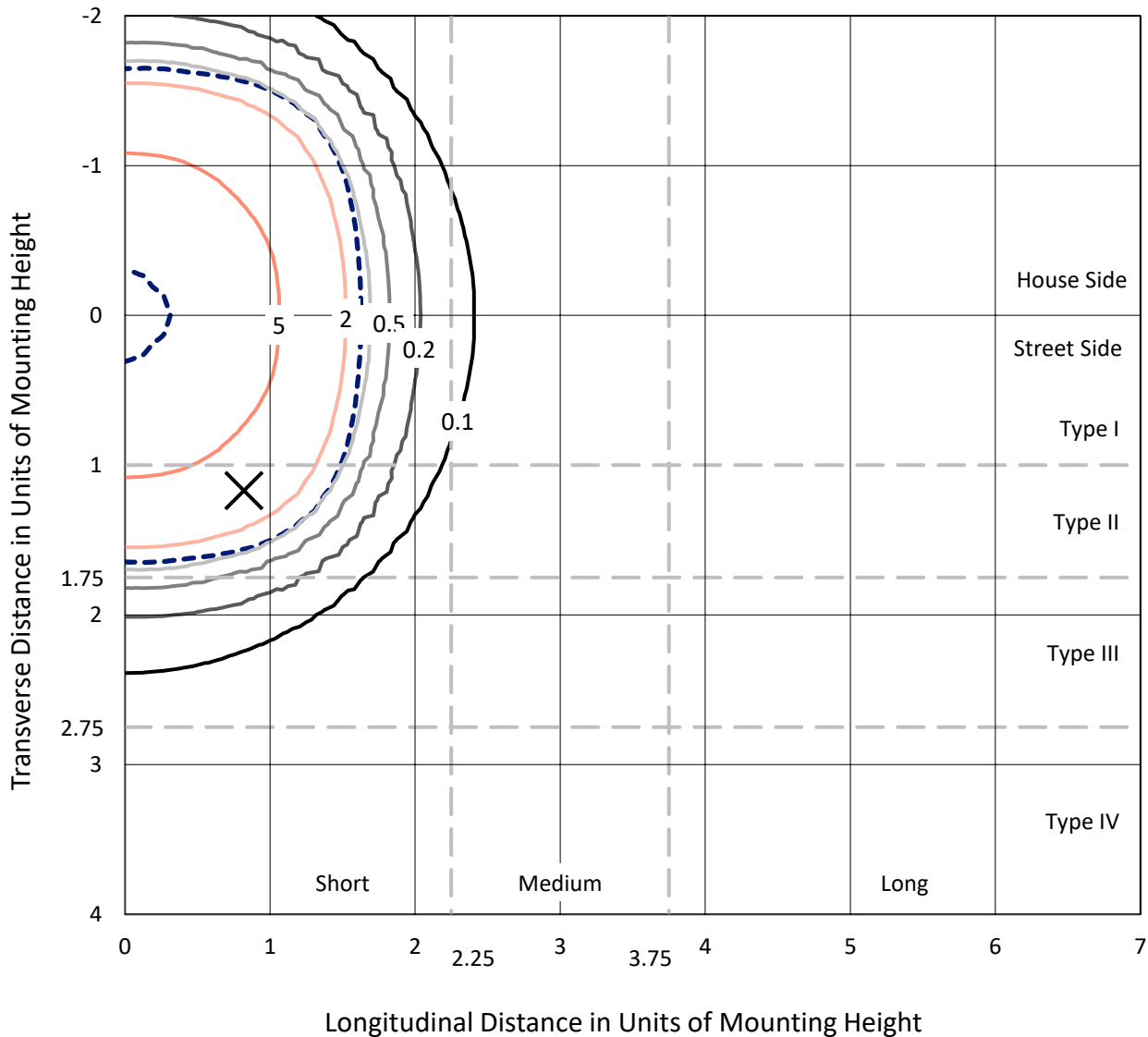
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

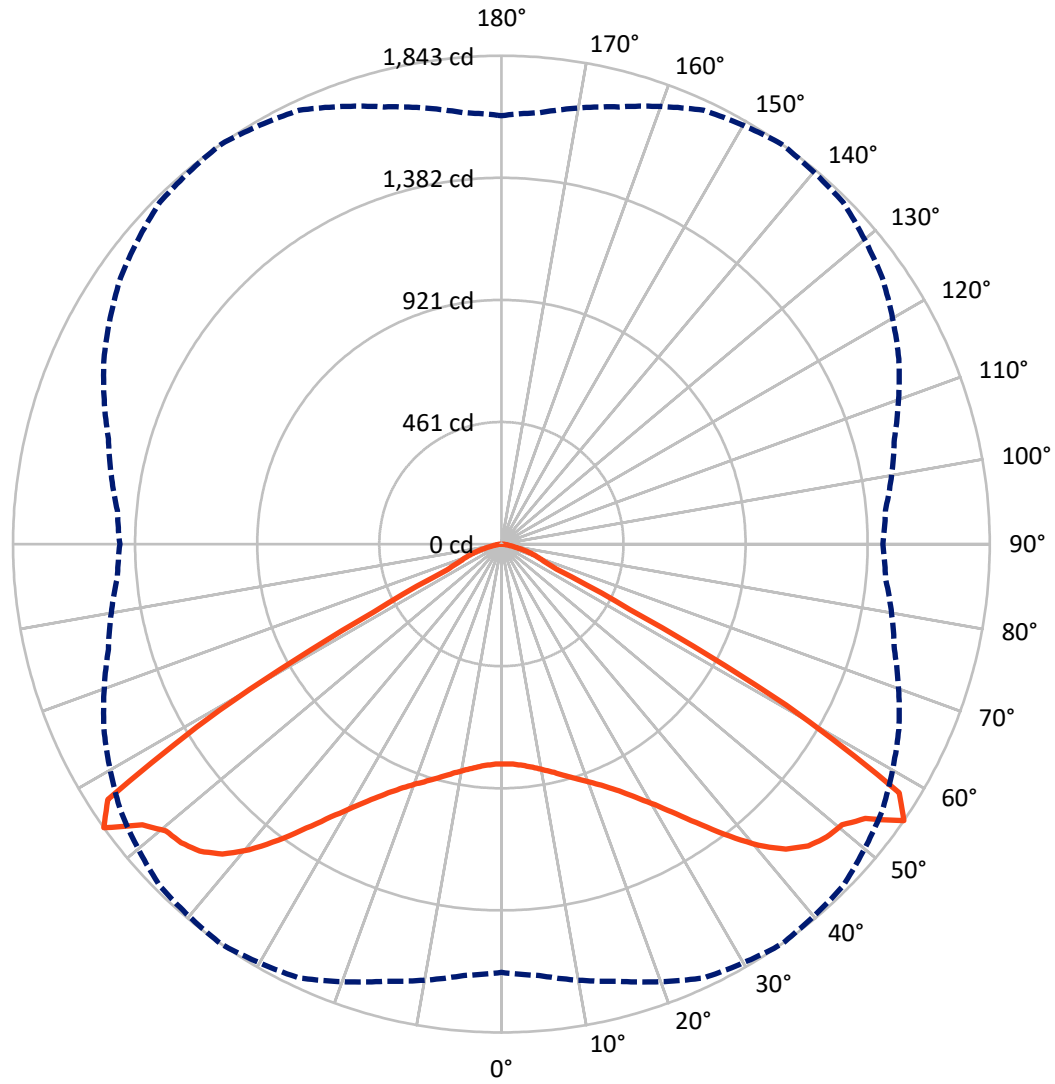
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 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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CATALOG NUMBER: GWS-SA2B-722-U-5NQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2304.2	0.0	2304.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2304.2	0.0	2304.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4608.4	0.0	4608.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	1.8
10°-20°	257.5	5.6
20°-30°	476.5	10.3
30°-40°	797.1	17.3
40°-50°	1214.6	26.4
50°-60°	1360.6	29.5
60°-70°	321.9	7.0
70°-80°	86.8	1.9
80°-90°	12.5	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°	4608.4	100.0
0°-180°	4608.4	100.0

Coefficient of Utilization



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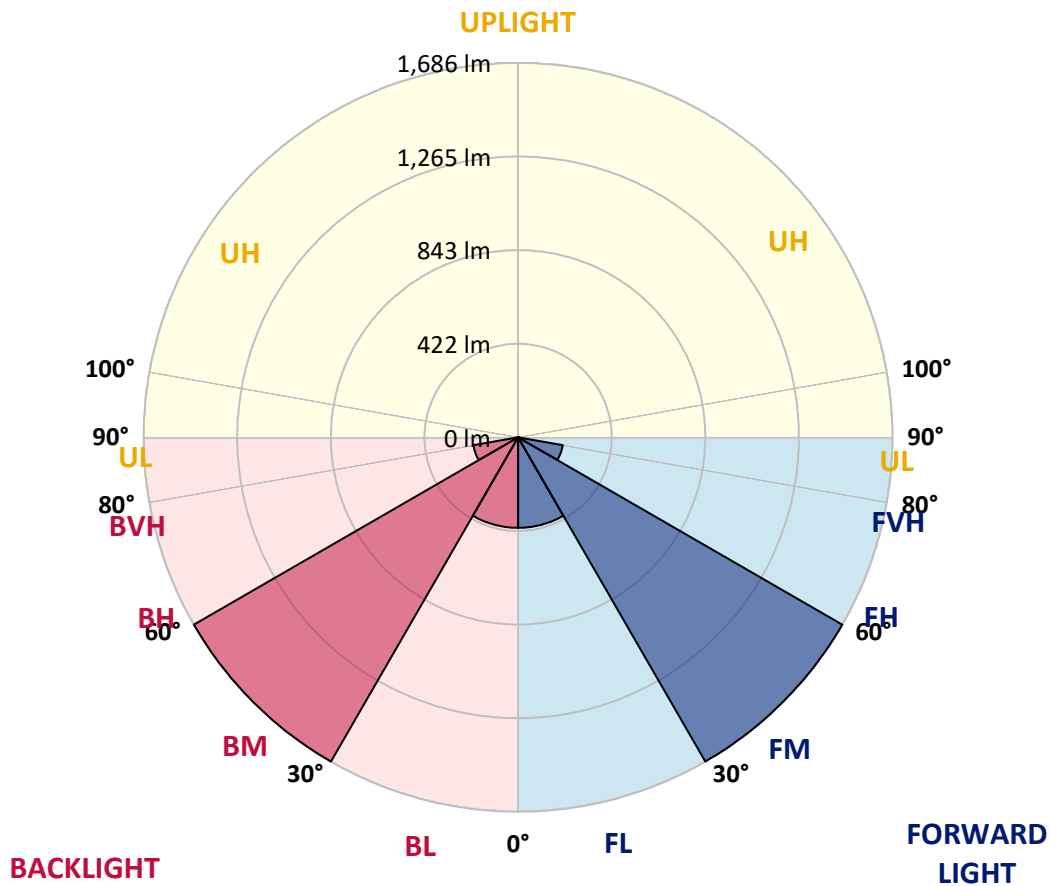
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	407.4	8.8			
FM (30°-60°)	1686.2	36.6			
FH (60°-80°)	204.4	4.4			G0/660
FVH (80°-90°)	6.2	0.1			G0/10
BL (0°-30°)	407.4	8.8	B1/500		
BM (30°-60°)	1686.2	36.6	B2/2500		
BH (60°-80°)	204.4	4.4	B1/500		G0/660
BVH (80°-90°)	6.2	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°	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1
2.5°	827.2	827.2	828.7	830.5	830.9	834.5	833.8	832.3	831.6	830.2	833.4
5°	836.4	836.7	837.8	838.9	838.2	841.1	840.0	838.2	837.1	835.3	838.5
7.5°	848.4	848.4	849.5	850.9	850.2	854.6	852.4	849.8	848.0	845.8	848.7
10°	859.3	860.0	861.1	864.0	865.5	870.2	868.8	865.1	862.2	859.7	863.0
12.5°	875.7	876.4	877.5	881.5	884.1	888.8	886.6	881.5	877.2	873.5	877.2
15°	896.8	896.1	899.0	904.1	907.4	911.8	909.2	900.5	894.7	889.9	893.6
17.5°	918.3	918.0	920.9	927.5	932.2	938.0	933.7	923.4	917.3	911.4	915.1
20°	941.7	942.8	945.7	951.9	958.8	966.5	962.8	951.9	945.0	938.4	941.3
22.5°	970.5	970.8	974.1	982.1	991.2	998.5	996.3	982.9	974.1	967.2	970.8
25°	1005.1	1004.7	1009.1	1018.6	1031.3	1038.6	1033.9	1018.9	1009.5	1001.4	1004.4
27.5°	1044.8	1044.4	1051.0	1063.4	1081.6	1091.8	1082.0	1063.4	1050.3	1039.0	1041.5
30°	1094.7	1093.6	1100.9	1117.7	1141.4	1158.5	1143.9	1118.1	1100.9	1088.9	1091.4
32.5°	1150.1	1151.6	1160.7	1183.3	1213.2	1235.4	1213.5	1184.7	1161.8	1144.3	1147.2
35°	1211.0	1211.0	1229.6	1257.6	1300.3	1329.8	1295.9	1254.3	1223.7	1199.7	1200.4
37.5°	1278.8	1279.5	1303.9	1342.5	1398.3	1432.9	1387.0	1335.6	1298.4	1272.6	1271.1
40°	1361.5	1363.7	1388.8	1431.8	1494.5	1526.2	1477.0	1426.7	1388.8	1358.2	1355.3
42.5°	1454.8	1455.5	1482.1	1520.7	1573.6	1592.5	1553.9	1512.7	1481.7	1454.0	1451.1
45°	1543.7	1541.9	1564.8	1593.6	1624.2	1626.1	1604.6	1587.8	1560.8	1537.1	1532.8
47.5°	1612.9	1611.5	1632.3	1647.9	1651.6	1633.7	1640.6	1643.2	1611.8	1579.8	1571.4
50°	1655.2	1658.1	1677.8	1686.6	1665.1	1635.9	1662.1	1655.6	1610.8	1568.8	1555.4
52.5°	1680.7	1685.1	1719.4	1741.6	1719.4	1691.7	1695.3	1656.7	1592.2	1536.8	1519.3
55°	1616.2	1633.7	1707.7	1806.1	1842.5	1823.2	1754.0	1654.5	1535.0	1454.4	1439.5
57.5°	1197.9	1225.6	1335.2	1548.4	1770.0	1840.3	1638.1	1387.0	1205.9	1102.4	1093.6
60°	611.5	642.5	730.3	949.3	1234.3	1333.4	1141.0	888.1	705.9	622.1	612.6
62.5°	249.6	254.7	283.5	368.1	545.5	629.4	552.8	388.1	291.5	268.6	268.9
65°	196.4	197.5	196.1	201.2	228.5	253.6	234.3	205.9	200.8	203.3	201.5
67.5°	171.3	171.6	170.6	170.6	171.6	170.6	172.7	173.8	174.6	177.5	175.7
70°	143.2	143.6	143.6	144.3	143.9	142.1	145.4	146.9	147.2	149.0	148.0
72.5°	110.8	111.9	112.6	113.0	112.6	111.5	113.3	115.9	115.5	117.3	115.5
75°	75.1	76.5	77.3	78.7	78.4	78.4	80.5	81.6	80.5	82.0	80.5
77.5°	42.6	43.7	45.9	47.4	48.8	49.9	51.4	52.1	51.7	52.5	51.7
80°	24.8	25.1	27.0	27.7	29.5	31.3	32.8	33.5	33.9	34.3	33.9
82.5°	14.2	14.6	15.3	16.0	17.5	19.0	20.4	21.5	21.5	21.9	21.5
85°	6.9	6.9	7.3	7.7	8.4	9.5	10.6	11.7	12.0	12.0	12.0
87.5°	1.1	1.1	1.5	1.5	1.8	2.2	2.9	3.6	4.0	4.0	4.0
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)