

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: P636531

Luminaire Tested: GWS-SA4B-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636531
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-SA4B-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7502.4 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

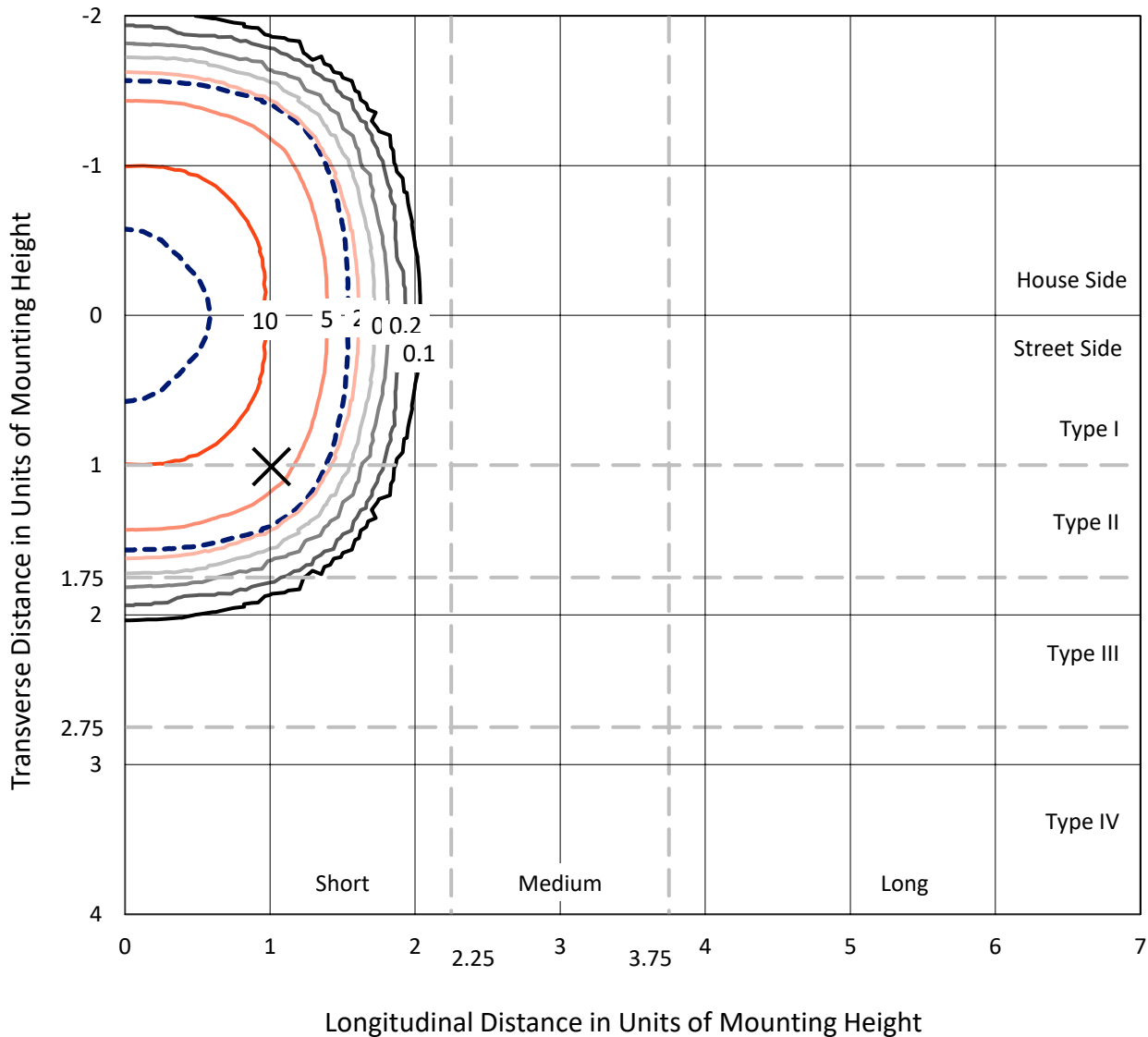
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636531
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Iso-Footcandle Lines of Horizontal Illumination

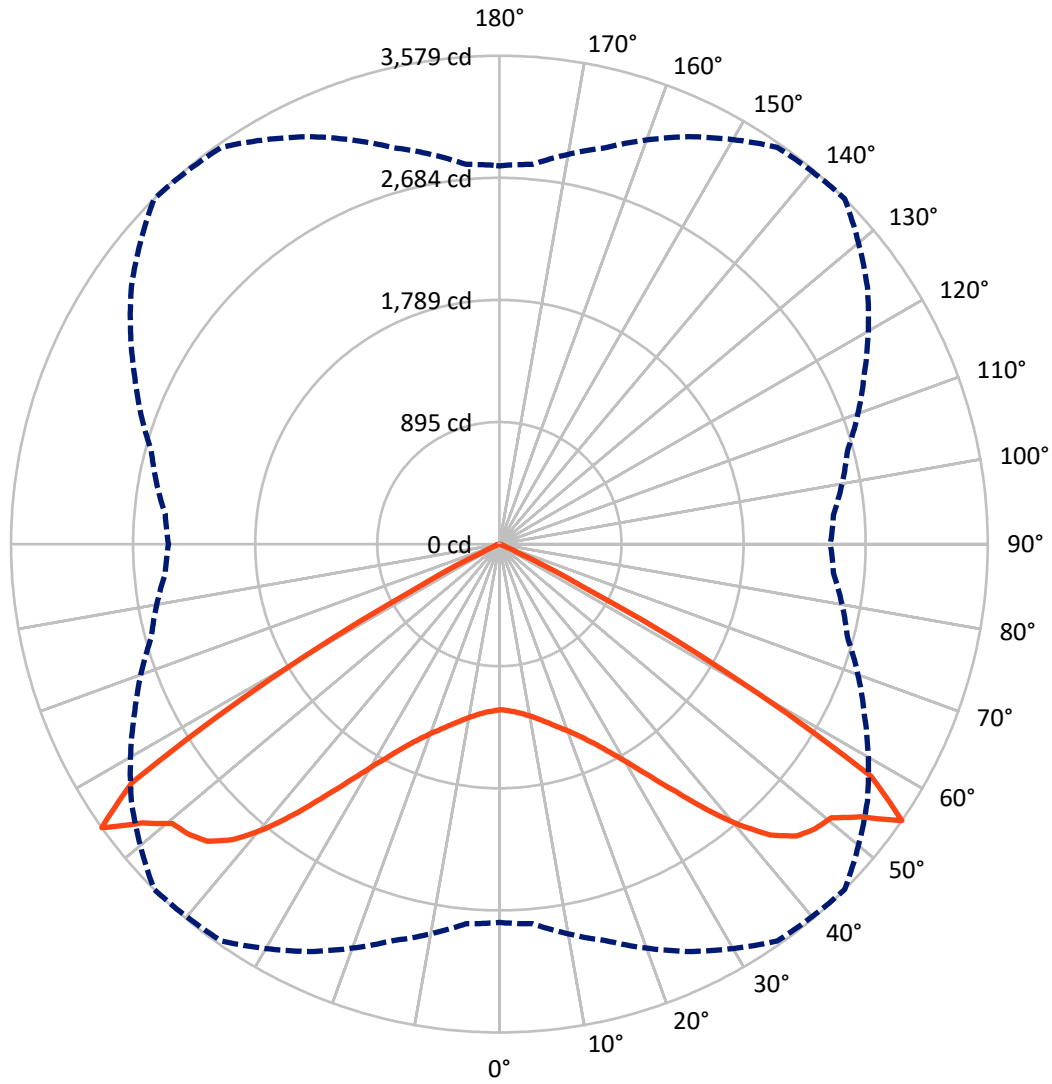
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type V - Short - N/A

REPORT NUMBER: P636531
CATALOG NUMBER: GWS-SA4B-722-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636531

CATALOG NUMBER: GWS-SA4B-722-U-5NQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3751.2	0.0	3751.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3751.2	0.0	3751.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7502.4	0.0	7502.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	1.6
10°-20°	385.2	5.1
20°-30°	746.1	9.9
30°-40°	1336.6	17.8
40°-50°	2241.0	29.9
50°-60°	2398.9	32.0
60°-70°	263.6	3.5
70°-80°	11.6	0.2
80°-90°	0.6	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°	7502.4	100.0
0°-180°	7502.4	100.0

Coefficient of Utilization



REPORT NUMBER: P636531

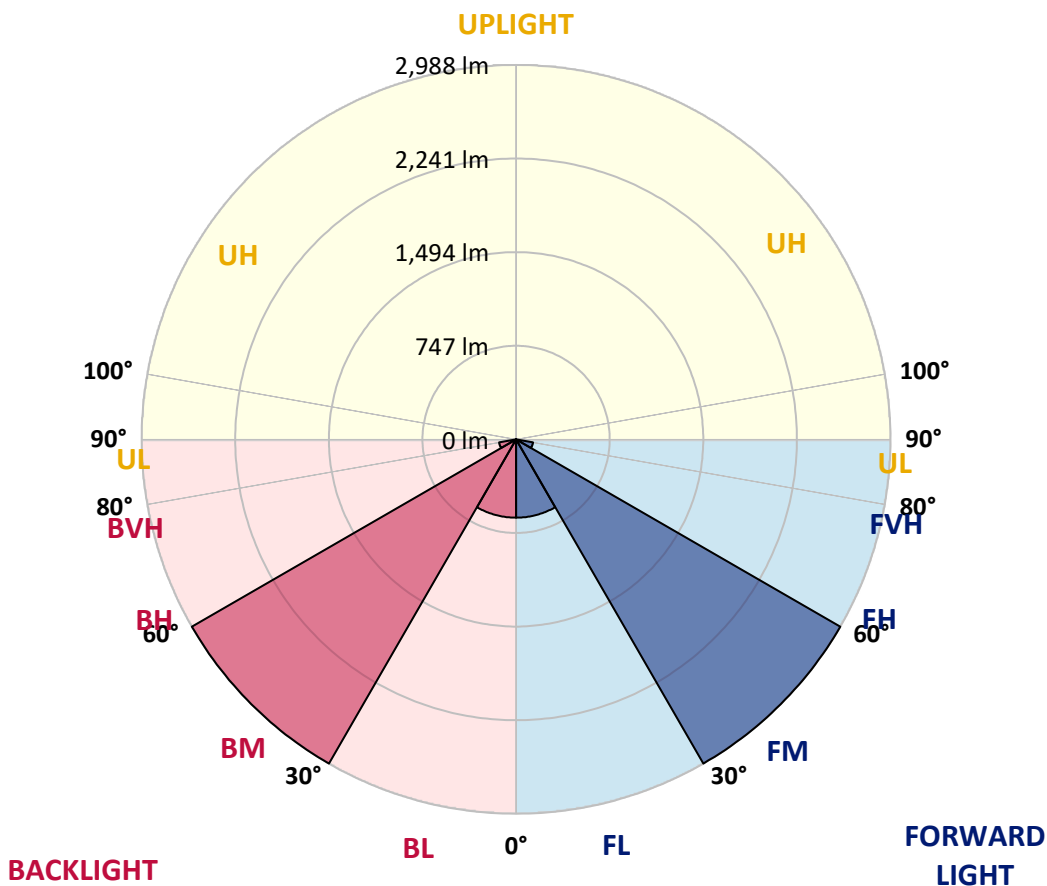
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	625.1	8.3			
FM (30°-60°)	2988.2	39.8			
FH (60°-80°)	137.6	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	625.1	8.3	B2/1000		
BM (30°-60°)	2988.2	39.8	B3/5000		
BH (60°-80°)	137.6	1.8	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P636531

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1213.0	1213.0	1213.0	1213.0	1213.0	1213.0	1213.0	1213.0	1213.0	1213.0	1213.0
2.5°	1210.7	1210.7	1213.8	1216.1	1216.1	1222.2	1219.9	1217.6	1217.6	1214.5	1220.6
5°	1228.3	1227.5	1230.6	1232.1	1229.0	1235.2	1231.3	1229.0	1227.5	1224.5	1230.6
7.5°	1247.4	1248.2	1248.9	1252.0	1250.4	1256.6	1253.5	1248.9	1247.4	1242.8	1248.9
10°	1270.3	1270.3	1271.8	1275.7	1276.4	1284.1	1281.0	1275.7	1271.1	1266.5	1272.6
12.5°	1299.4	1300.1	1302.4	1307.8	1310.8	1319.2	1314.6	1303.9	1297.1	1291.7	1298.6
15°	1341.4	1340.6	1343.7	1351.3	1355.2	1361.3	1354.4	1339.9	1331.5	1325.4	1329.9
17.5°	1387.3	1387.3	1388.8	1396.4	1401.8	1411.0	1402.5	1385.0	1377.3	1368.9	1373.5
20°	1437.7	1440.0	1441.5	1446.9	1456.1	1465.2	1458.3	1440.8	1432.4	1421.7	1427.0
22.5°	1504.2	1501.9	1502.7	1511.8	1524.8	1534.0	1528.7	1508.0	1493.5	1485.1	1488.2
25°	1578.3	1577.6	1579.9	1593.6	1608.2	1618.1	1610.4	1583.7	1569.2	1554.6	1560.8
27.5°	1669.3	1670.1	1671.6	1688.4	1711.3	1725.9	1706.8	1680.0	1660.1	1641.0	1645.6
30°	1777.1	1775.5	1780.1	1803.1	1836.7	1859.6	1837.5	1800.0	1771.7	1753.4	1755.7
32.5°	1891.7	1893.2	1905.5	1942.2	1986.5	2027.0	1981.9	1932.2	1895.5	1861.1	1865.7
35°	2015.5	2019.4	2046.9	2101.1	2173.8	2228.0	2165.4	2083.6	2031.6	1987.3	1988.8
37.5°	2161.5	2170.7	2208.9	2289.9	2393.9	2466.5	2374.8	2266.2	2199.0	2143.9	2140.1
40°	2353.4	2364.1	2416.1	2512.4	2638.5	2705.0	2598.7	2487.1	2403.8	2344.2	2335.0
42.5°	2573.5	2587.3	2643.8	2742.4	2868.5	2913.6	2809.7	2715.7	2640.8	2570.4	2567.4
45°	2821.9	2829.6	2875.4	2951.1	3042.0	3052.7	2974.8	2922.8	2847.1	2781.4	2776.1
47.5°	3055.0	3062.7	3094.0	3133.0	3154.4	3116.2	3102.4	3079.5	2981.7	2900.6	2883.8
50°	3232.4	3238.5	3277.5	3292.7	3233.1	3152.1	3178.9	3129.9	3023.7	2932.7	2906.8
52.5°	3220.1	3235.4	3335.5	3422.7	3385.2	3319.5	3247.6	3142.2	2977.1	2852.5	2820.4
55°	2772.2	2792.9	3007.6	3294.3	3550.3	3578.6	3291.2	2951.1	2640.8	2458.1	2425.2
57.5°	1781.7	1787.0	2049.2	2451.2	3028.3	3210.2	2729.4	2225.0	1839.0	1638.0	1624.2
60°	655.0	644.3	842.3	1175.5	1744.2	1936.8	1606.6	1125.1	802.5	660.4	648.9
62.5°	157.5	159.0	197.2	295.8	547.3	677.2	535.0	298.9	190.3	159.7	158.2
65°	79.5	78.0	78.7	84.8	116.9	139.9	114.6	81.0	78.0	78.7	78.0
67.5°	51.2	50.4	52.0	52.7	52.0	48.9	48.2	49.7	49.7	50.4	48.9
70°	31.3	30.6	32.1	34.4	32.9	29.0	30.6	32.1	30.6	29.8	29.8
72.5°	16.8	16.8	18.3	19.9	18.3	16.8	16.8	17.6	16.8	16.8	16.8
75°	7.6	7.6	8.4	9.2	7.6	7.6	7.6	7.6	7.6	7.6	7.6
77.5°	2.3	2.3	3.1	3.1	2.3	2.3	2.3	2.3	3.1	3.1	3.1
80°	0.8	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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)