

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: P636533

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636533  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
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  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

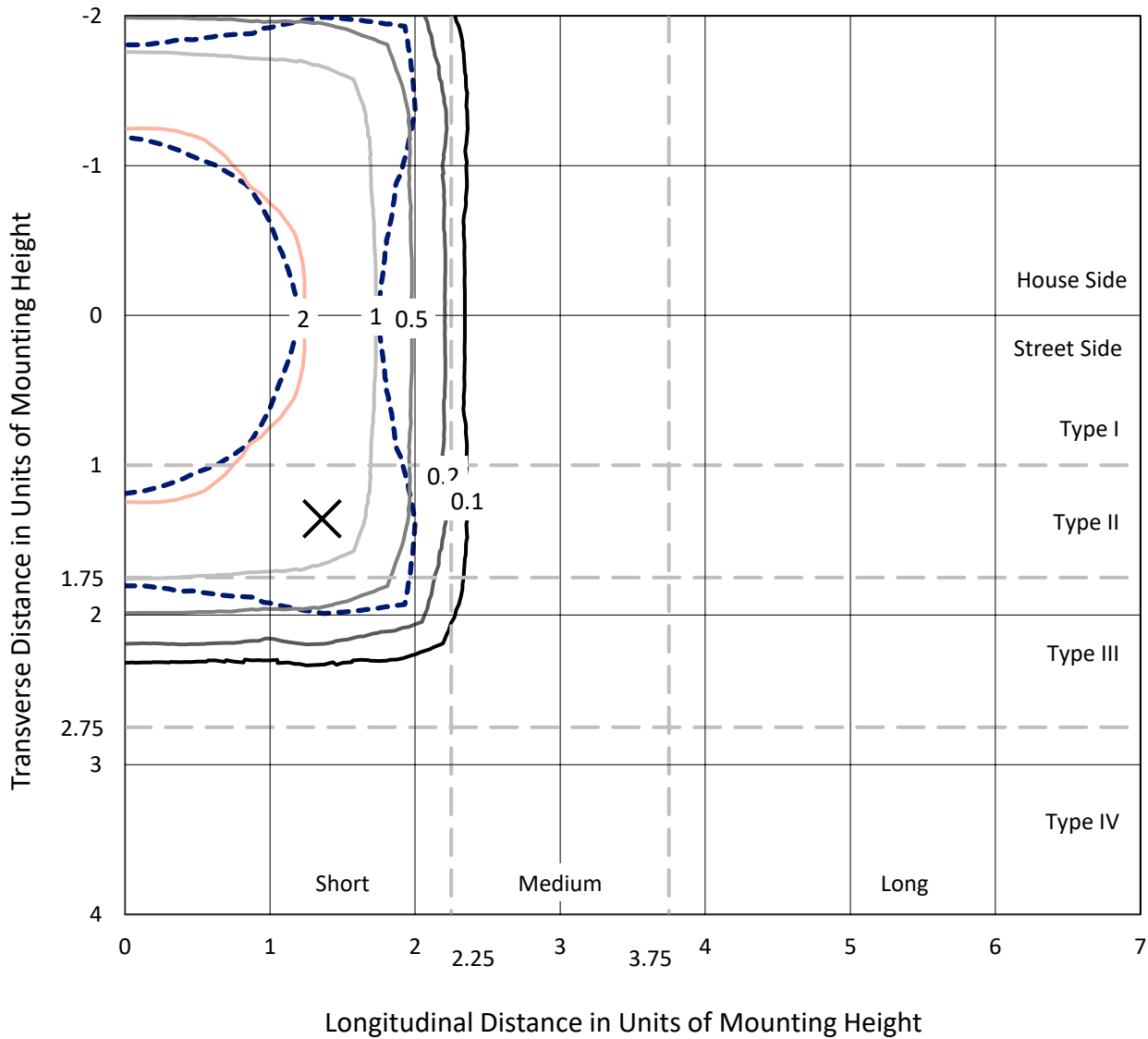
Lumens per Lamp: N/A  
Luminaire Lumens: 11143.6 lumens  
Efficiency: N/A  
Efficacy: 118.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P636533  
 CATALOG NUMBER: GWS-SA4B-722-U-5NQ-W

### Iso-Footcandle Lines of Horizontal Illumination

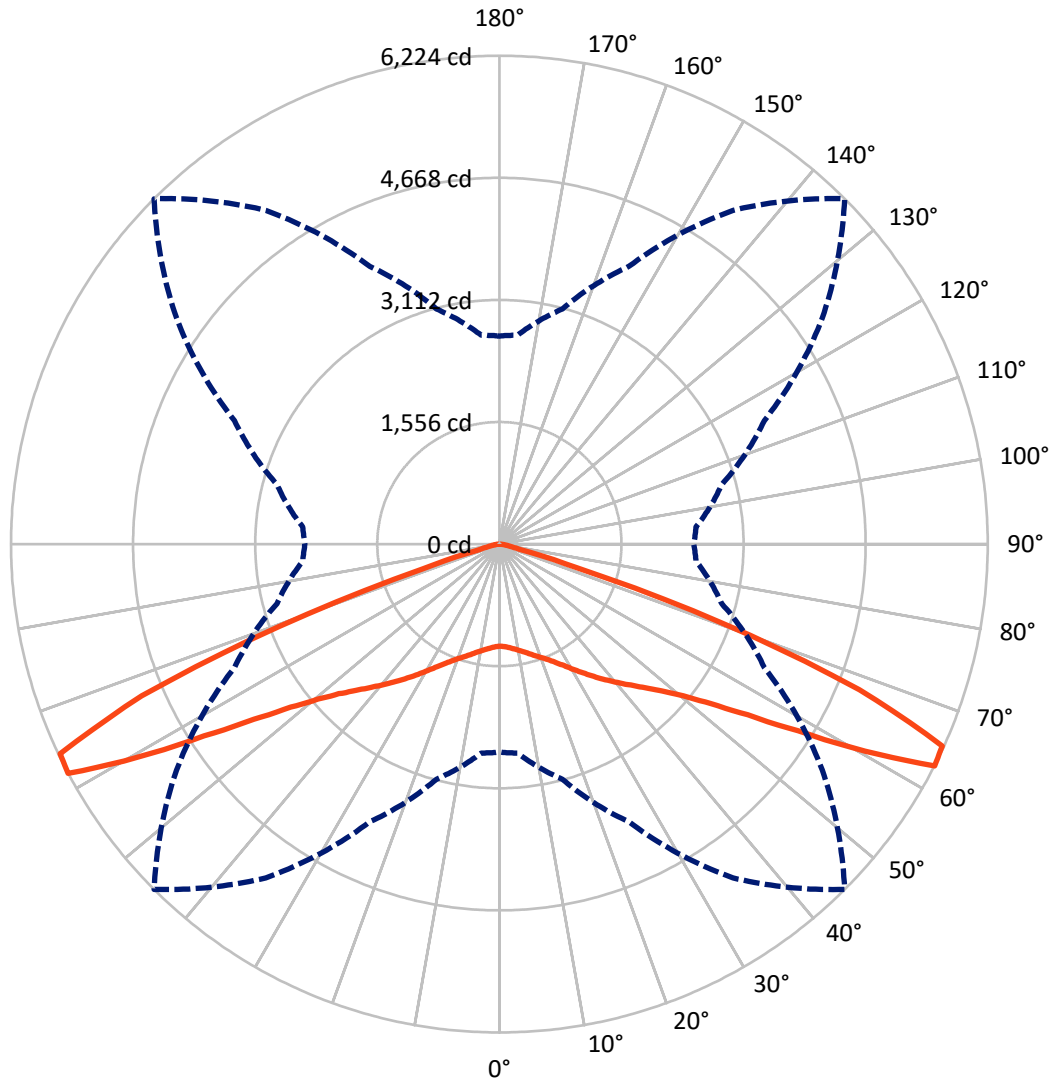
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P636533  
CATALOG NUMBER: GWS-SA4B-722-U-5NQ-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P636533

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

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5571.8	0.0	5571.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5571.8	0.0	5571.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11143.6	0.0	11143.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.6	1.1
10°-20°	411.3	3.7
20°-30°	778.2	7.0
30°-40°	1309.8	11.8
40°-50°	2092.7	18.8
50°-60°	3373.3	30.3
60°-70°	2752.3	24.7
70°-80°	267.3	2.4
80°-90°	31.1	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°	11143.6	100.0
0°-180°	11143.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636533

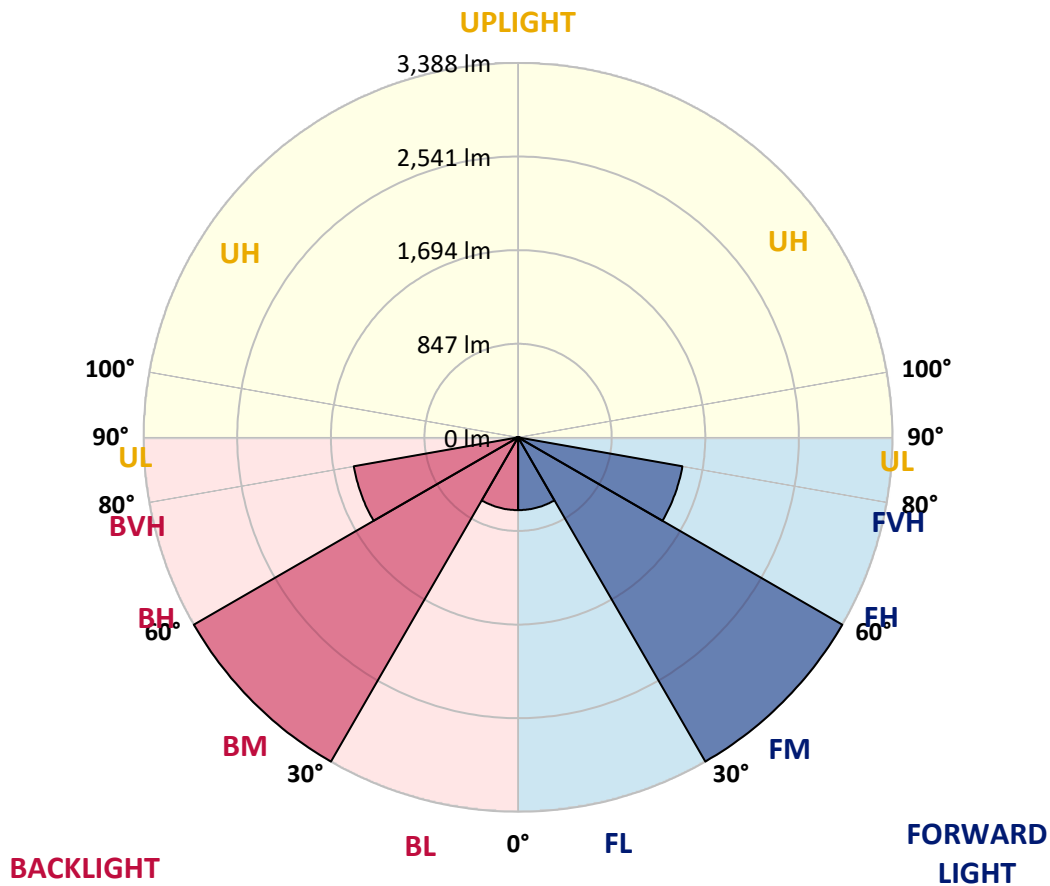
CATALOG NUMBER: GWS-SA4B-722-U-5NQ-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	658.5	5.9			
FM (30°-60°)	3387.9	30.4			
FH (60°-80°)	1509.8	13.5			G1/1800
FVH (80°-90°)	15.6	0.1			G1/100
BL (0°-30°)	658.5	5.9	B2/1000		
BM (30°-60°)	3387.9	30.4	B3/5000		
BH (60°-80°)	1509.8	13.5	B3/2500		G1/1800
BVH (80°-90°)	15.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





REPORT NUMBER: P636533  
 CATALOG NUMBER: GWS-SA4B-722-U-5NQ-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1
2.5°	1298.5	1298.5	1301.6	1303.9	1302.3	1308.5	1307.7	1306.2	1305.4	1303.1	1310.0
5°	1316.1	1316.1	1318.4	1320.7	1316.9	1324.5	1321.5	1319.9	1319.2	1316.1	1322.2
7.5°	1336.0	1338.3	1339.0	1342.9	1340.6	1349.0	1346.7	1343.6	1342.1	1338.3	1343.6
10°	1358.1	1359.7	1360.4	1367.3	1368.1	1378.0	1375.7	1371.9	1368.8	1365.0	1372.7
12.5°	1387.9	1388.7	1391.0	1399.4	1401.7	1409.3	1408.6	1403.2	1399.4	1394.1	1402.5
15°	1426.2	1426.9	1430.7	1439.2	1443.0	1452.1	1449.1	1440.7	1435.3	1429.2	1436.1
17.5°	1465.9	1469.0	1472.8	1481.2	1486.5	1497.2	1493.4	1484.2	1479.7	1473.5	1478.1
20°	1517.1	1517.9	1520.2	1529.3	1533.2	1545.4	1546.2	1537.0	1534.7	1528.6	1535.5
22.5°	1573.7	1574.4	1576.7	1586.7	1593.5	1601.2	1605.8	1600.4	1596.6	1589.0	1597.4
25°	1636.3	1644.0	1646.3	1658.5	1666.1	1670.7	1676.1	1673.8	1668.4	1659.3	1663.1
27.5°	1724.2	1725.8	1729.6	1743.3	1747.9	1752.5	1757.9	1758.6	1751.0	1740.3	1745.6
30°	1824.4	1823.6	1832.0	1842.7	1846.5	1850.3	1858.0	1862.6	1852.6	1841.2	1846.5
32.5°	1926.8	1935.9	1946.6	1956.6	1954.3	1955.8	1968.0	1976.4	1962.7	1942.1	1946.6
35°	2042.2	2048.3	2062.0	2076.6	2073.5	2071.2	2078.9	2087.3	2068.2	2041.4	2048.3
37.5°	2160.6	2169.8	2190.4	2208.0	2203.4	2192.7	2201.1	2210.3	2192.0	2161.4	2158.3
40°	2292.9	2307.4	2337.2	2351.7	2339.5	2318.8	2333.4	2355.5	2337.2	2302.0	2293.6
42.5°	2448.0	2465.6	2495.4	2517.6	2490.8	2457.2	2481.6	2513.7	2509.2	2462.5	2448.0
45°	2639.8	2651.3	2688.0	2698.7	2659.0	2612.3	2656.7	2705.6	2694.1	2643.7	2624.6
47.5°	2848.5	2866.1	2898.2	2918.0	2853.8	2795.8	2857.7	2923.4	2911.2	2863.8	2841.6
50°	3114.5	3137.4	3179.4	3196.2	3107.6	3041.1	3120.6	3203.9	3180.2	3116.8	3087.7
52.5°	3404.1	3422.5	3494.3	3527.9	3444.6	3372.8	3442.3	3524.1	3473.7	3389.6	3350.6
55°	3659.4	3677.7	3783.2	3894.8	3891.0	3841.3	3876.5	3878.0	3741.2	3602.1	3560.8
57.5°	3714.4	3732.8	3933.8	4225.7	4432.1	4489.4	4386.2	4169.2	3824.5	3580.7	3534.1
60°	3420.9	3441.6	3761.1	4294.5	4973.2	5356.1	4880.7	4163.1	3566.9	3236.8	3192.4
62.5°	2650.5	2672.7	3102.2	3903.2	5191.8	6223.6	5024.4	3725.1	2934.1	2516.0	2477.1
65°	1265.7	1265.7	1811.4	2799.6	4756.2	6202.9	4608.6	2756.0	1766.3	1356.6	1323.0
67.5°	313.4	314.9	466.2	1089.9	3235.2	4950.3	3288.0	1323.0	622.1	440.2	428.8
70°	195.7	194.9	216.3	295.0	1131.9	3004.4	1344.4	399.0	253.0	223.2	221.6
72.5°	152.1	152.1	162.8	188.8	296.5	1023.4	392.1	221.6	183.4	165.1	165.1
75°	120.0	120.0	127.6	141.4	175.0	263.7	208.7	164.3	142.2	129.9	128.4
77.5°	89.4	91.0	97.1	106.2	119.2	148.3	132.2	123.8	110.8	101.7	98.6
80°	58.1	60.4	68.0	73.4	78.0	97.8	86.4	90.2	84.1	73.4	71.8
82.5°	31.3	32.1	41.3	42.8	44.3	53.5	55.0	57.3	59.6	46.6	43.6
85°	11.5	11.5	13.8	16.1	17.6	19.1	26.0	32.1	33.6	26.8	26.0
87.5°	2.3	2.3	2.3	1.5	1.5	1.5	4.6	8.4	13.8	10.7	10.7
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)