

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: P637767

Luminaire Tested: GWS-SA4D-740-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-740-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22952 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

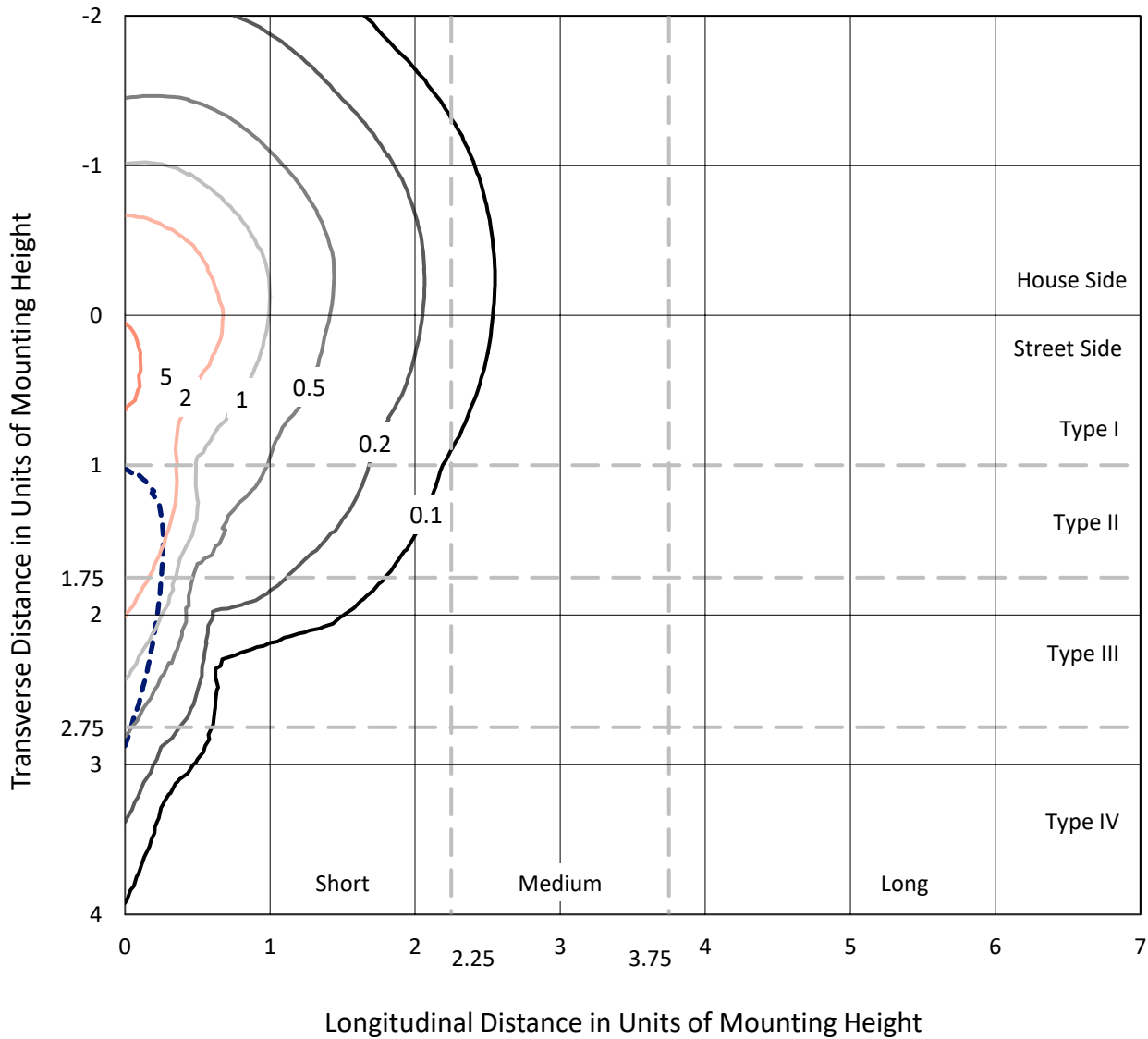
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637767
 CATALOG NUMBER: GWS-SA4D-740-U-SLL-W

Iso-Footcandle Lines of Horizontal Illumination

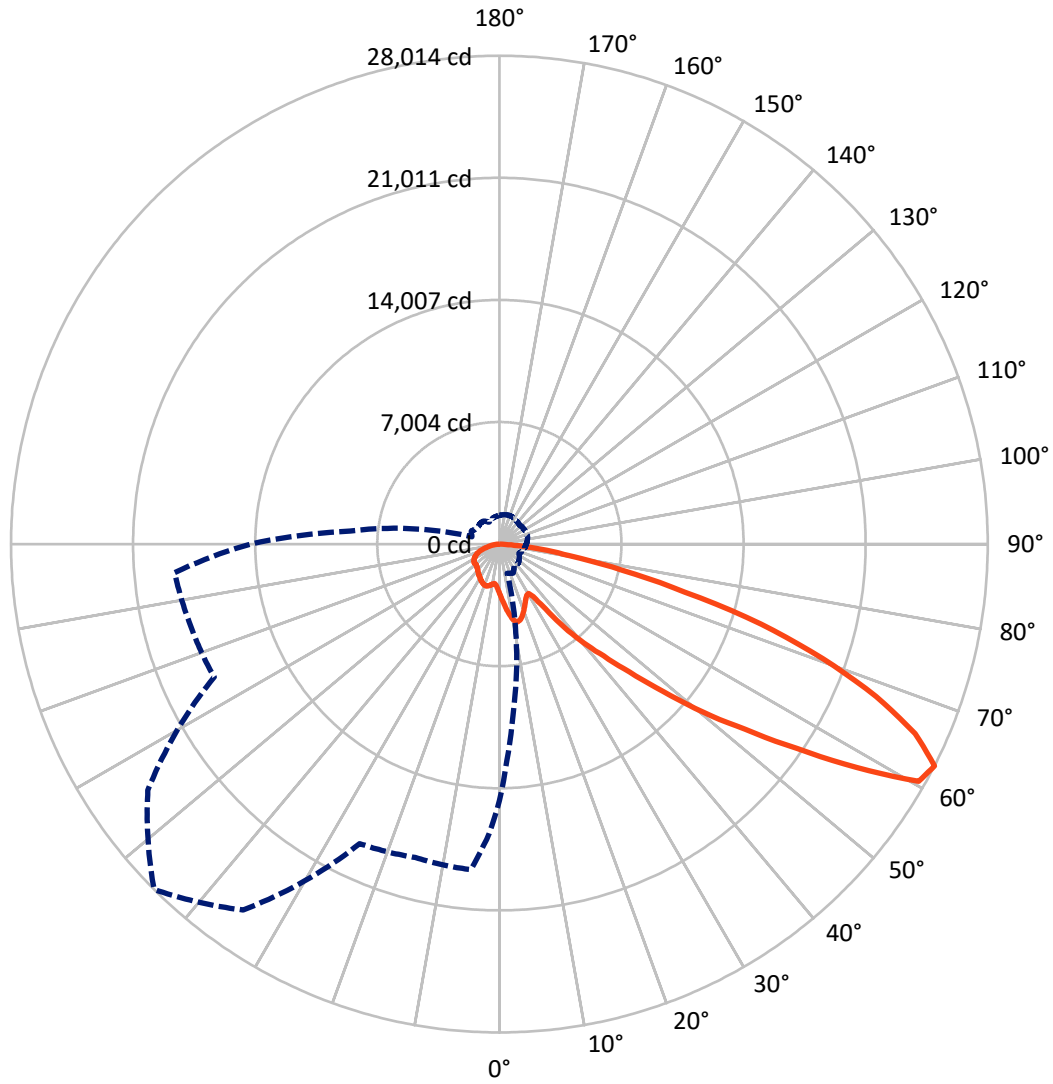
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Short - N/A

REPORT NUMBER: P637767
CATALOG NUMBER: GWS-SA4D-740-U-SLL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P637767

CATALOG NUMBER: GWS-SA4D-740-U-SLL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5487.8	0.0	5487.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	17464.2	0.0	17464.2
	% Fixture	76.1	0.0	76.1
Total	Lumens	22952.0	0.0	22952.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.9	1.2
10°-20°	916.2	4.0
20°-30°	1442.3	6.3
30°-40°	1977.0	8.6
40°-50°	3084.7	13.4
50°-60°	5318.7	23.2
60°-70°	6163.7	26.9
70°-80°	3253.5	14.2
80°-90°	513.9	2.2
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°	22952.0	100.0
0°-180°	22952.0	100.0

Coefficient of Utilization



REPORT NUMBER: P637767

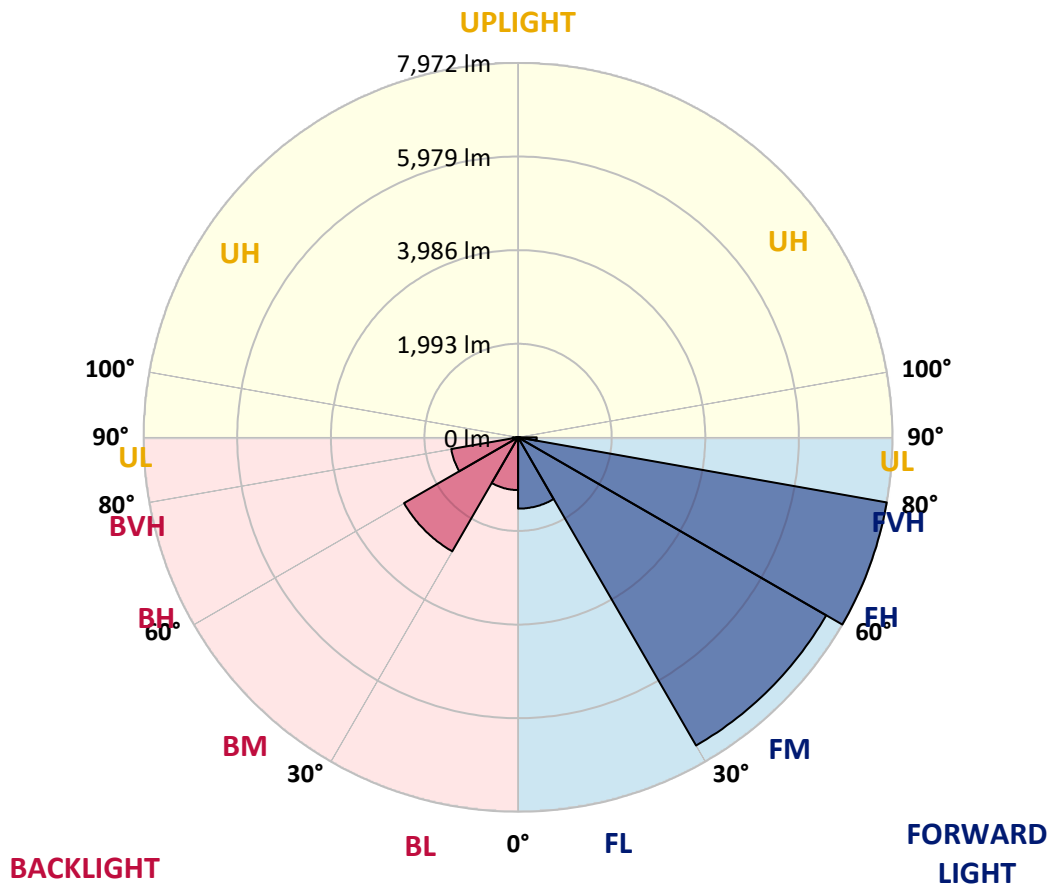
CATALOG NUMBER: GWS-SA4D-740-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1518.0	6.6			
FM (30°-60°)	7577.3	33.0			
FH (60°-80°)	7972.2	34.7			G4/12000
FVH (80°-90°)	396.7	1.7			G3/500
BL (0°-30°)	1122.5	4.9	B3/2500		
BM (30°-60°)	2803.2	12.2	B3/5000		
BH (60°-80°)	1445.0	6.3	B3/2500		G3/2500
BVH (80°-90°)	117.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





REPORT NUMBER: P637767
 CATALOG NUMBER: GWS-SA4D-740-U-SLL-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6
2.5°	3109.2	3096.9	3079.3	3019.6	2982.8	2940.6	2896.8	2845.8	2787.9	2747.5	2707.1
5°	3372.5	3353.2	3311.1	3168.9	3070.6	2963.5	2873.9	2772.1	2672.0	2603.6	2535.1
7.5°	3625.3	3600.7	3535.8	3318.1	3158.3	3003.8	2868.7	2721.2	2572.0	2470.1	2389.4
10°	3878.1	3827.2	3744.7	3460.3	3249.6	3070.6	2916.1	2735.2	2536.9	2398.2	2312.1
12.5°	4071.3	4023.9	3934.3	3590.2	3340.9	3116.2	2942.4	2775.6	2607.1	2459.6	2371.8
15°	4252.1	4190.6	4088.8	3711.4	3416.4	3114.4	2889.7	2744.0	2719.4	2682.6	2568.5
17.5°	4382.0	4325.8	4220.5	3809.7	3458.5	3060.0	2744.0	2658.0	2768.6	2881.0	2772.1
20°	4496.1	4431.2	4324.1	3878.1	3467.3	2938.9	2566.7	2568.5	2742.3	2896.8	2870.4
22.5°	4592.7	4520.7	4425.9	3955.4	3463.8	2770.3	2412.2	2517.5	2691.3	2812.5	2816.0
25°	4712.0	4652.4	4573.4	4069.5	3463.8	2598.3	2299.8	2456.1	2605.3	2707.1	2703.6
27.5°	4857.8	4817.4	4752.4	4243.3	3495.4	2454.3	2236.6	2377.1	2494.7	2582.5	2580.7
30°	5021.0	4984.2	4935.0	4427.6	3549.8	2347.2	2201.5	2278.8	2364.8	2435.0	2435.0
32.5°	5187.8	5173.8	5121.1	4575.1	3507.7	2313.9	2171.7	2180.5	2226.1	2284.0	2278.8
35°	5419.6	5405.5	5338.8	4689.2	3325.1	2266.5	2124.3	2080.4	2085.7	2122.5	2134.8
37.5°	5758.4	5737.3	5639.0	4822.7	3049.5	2147.1	2047.0	1975.1	1959.3	1975.1	1997.9
40°	6167.4	6135.8	6002.4	5003.5	2731.7	1985.6	1925.9	1866.2	1839.9	1845.1	1871.5
42.5°	6680.1	6613.4	6422.0	5194.8	2417.5	1843.4	1790.7	1753.9	1724.0	1720.5	1771.4
45°	7512.2	7329.7	7025.9	5365.1	2152.4	1767.9	1669.6	1643.2	1618.7	1632.7	1692.4
47.5°	8965.9	8628.8	8037.2	5510.8	1990.9	1769.7	1573.0	1544.9	1543.2	1571.3	1638.0
50°	10963.8	10477.5	9564.5	5609.2	1906.6	1790.7	1515.1	1469.4	1502.8	1530.9	1594.1
52.5°	12877.4	12134.8	11048.0	5607.4	1869.7	1794.2	1530.9	1399.2	1502.8	1509.8	1569.5
55°	14511.8	13167.1	11448.3	5031.6	1817.1	1780.2	1592.3	1344.8	1483.5	1509.8	1557.2
57.5°	15811.0	13823.6	11418.5	4064.2	1976.8	1702.9	1629.2	1332.5	1427.3	1513.3	1567.8
60°	15667.0	13523.4	10682.9	2494.7	1961.0	1566.0	1623.9	1355.3	1332.5	1465.9	1555.5
62.5°	14710.2	12447.3	9417.1	1731.0	1841.6	1487.0	1537.9	1395.7	1244.7	1397.5	1495.8
65°	13370.7	11058.6	7847.6	1327.2	1525.6	1490.5	1392.2	1367.6	1167.5	1288.6	1394.0
67.5°	11599.3	9336.3	6195.5	1051.6	1063.9	1290.4	1264.0	1214.9	1095.5	1192.1	1286.9
70°	8720.1	6813.5	4262.6	846.2	805.8	1077.9	1135.9	1092.0	1025.3	1053.4	1153.4
72.5°	6144.6	4448.7	2335.0	670.6	621.5	828.6	986.7	979.6	905.9	927.0	1025.3
75°	4566.3	3147.8	1458.9	530.2	505.6	593.4	826.9	848.0	786.5	811.1	886.6
77.5°	3039.0	2038.3	811.1	393.3	393.3	433.6	616.2	714.5	668.9	688.2	740.9
80°	1676.6	1037.6	405.5	258.1	265.1	298.5	449.4	514.4	516.1	563.5	577.6
82.5°	530.2	330.1	180.8	151.0	142.2	170.3	289.7	368.7	344.1	438.9	403.8
85°	121.1	77.2	33.4	33.4	36.9	56.2	110.6	196.6	251.1	302.0	219.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	77.2	114.1	101.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637767
 CATALOG NUMBER: GWS-SA4D-740-U-SLL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6
2.5°	2682.6	2647.5	2636.9	2607.1	2603.6	2575.5	2564.9	2564.9	2577.2	2577.2	2589.5
5°	2507.0	2463.1	2438.5	2403.4	2394.6	2373.6	2359.5	2361.3	2377.1	2387.6	2408.7
7.5°	2352.5	2322.7	2305.1	2289.3	2285.8	2282.3	2266.5	2264.7	2270.0	2285.8	2301.6
10°	2287.6	2266.5	2271.8	2284.0	2303.4	2313.9	2299.8	2292.8	2287.6	2298.1	2312.1
12.5°	2350.8	2329.7	2340.2	2361.3	2387.6	2398.2	2392.9	2391.1	2396.4	2436.8	2466.6
15°	2489.5	2449.1	2435.0	2443.8	2464.9	2475.4	2470.1	2477.2	2510.5	2615.9	2691.3
17.5°	2661.5	2563.2	2507.0	2491.2	2500.0	2508.8	2508.8	2526.3	2584.3	2738.7	2833.5
20°	2754.5	2626.4	2531.6	2493.0	2496.5	2505.3	2505.3	2529.8	2594.8	2759.8	2821.3
22.5°	2730.0	2612.3	2496.5	2454.3	2456.1	2463.1	2463.1	2484.2	2542.1	2687.8	2715.9
25°	2633.4	2529.8	2415.7	2378.8	2382.4	2394.6	2391.1	2403.4	2447.3	2566.7	2582.5
27.5°	2517.5	2426.2	2313.9	2285.8	2301.6	2326.2	2305.1	2306.9	2347.2	2447.3	2449.1
30°	2392.9	2317.4	2217.3	2196.3	2226.1	2238.4	2219.1	2219.1	2259.5	2327.9	2326.2
32.5°	2257.7	2210.3	2138.3	2115.5	2148.9	2168.2	2143.6	2147.1	2178.7	2224.4	2206.8
35°	2131.3	2106.7	2073.4	2057.6	2078.6	2096.2	2080.4	2087.4	2117.3	2129.6	2105.0
37.5°	2010.2	2006.7	2010.2	2010.2	2015.4	2020.7	2010.2	2027.7	2054.1	2038.3	2010.2
40°	1904.8	1918.9	1952.2	1943.5	1938.2	1943.5	1936.4	1966.3	1992.6	1964.5	1931.2
42.5°	1817.1	1843.4	1894.3	1894.3	1883.8	1887.3	1883.8	1920.6	1939.9	1901.3	1864.5
45°	1741.6	1780.2	1845.1	1853.9	1836.4	1836.4	1843.4	1889.0	1896.1	1843.4	1804.8
47.5°	1688.9	1736.3	1810.0	1825.8	1799.5	1797.7	1817.1	1866.2	1866.2	1804.8	1760.9
50°	1652.0	1704.7	1792.5	1813.5	1787.2	1780.2	1811.8	1859.2	1848.7	1774.9	1731.0
52.5°	1627.4	1681.9	1790.7	1820.6	1803.0	1796.0	1827.6	1860.9	1834.6	1755.6	1710.0
55°	1611.6	1671.3	1796.0	1820.6	1801.3	1789.0	1820.6	1850.4	1836.4	1745.1	1701.2
57.5°	1620.4	1680.1	1789.0	1801.3	1778.4	1757.4	1794.2	1836.4	1831.1	1748.6	1704.7
60°	1606.4	1660.8	1750.3	1753.9	1715.2	1681.9	1736.3	1799.5	1799.5	1736.3	1697.7
62.5°	1541.4	1595.8	1674.8	1678.4	1634.5	1597.6	1660.8	1736.3	1734.5	1683.6	1643.2
65°	1434.3	1485.2	1574.8	1583.6	1539.7	1501.0	1566.0	1636.2	1641.5	1595.8	1560.7
67.5°	1316.7	1362.4	1429.1	1464.2	1427.3	1386.9	1446.6	1513.3	1511.6	1457.2	1420.3
70°	1176.3	1218.4	1279.8	1309.7	1286.9	1248.2	1302.7	1337.8	1322.0	1295.6	1271.1
72.5°	1037.6	1077.9	1135.9	1135.9	1111.3	1074.4	1090.2	1153.4	1172.7	1153.4	1137.6
75°	891.8	927.0	967.3	976.1	921.7	855.0	928.7	983.1	1006.0	997.2	977.9
77.5°	742.6	769.0	828.6	812.8	711.0	675.9	735.6	816.4	832.2	826.9	800.6
80°	572.3	588.1	651.3	619.7	540.7	517.9	544.2	607.4	611.0	593.4	560.0
82.5°	384.5	405.5	447.7	386.2	384.5	363.4	342.3	349.4	381.0	377.5	354.6
85°	196.6	207.2	247.5	231.7	198.4	172.0	163.3	173.8	156.2	142.2	122.9
87.5°	82.5	89.5	122.9	68.5	21.1	0.0	0.0	10.5	15.8	22.8	24.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637767
 CATALOG NUMBER: GWS-SA4D-740-U-SLL-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6
2.5°	2617.6	2636.9	2684.3	2744.0	2801.9	2861.6	2926.6	2967.0	3016.1	3079.3	3081.1
5°	2435.0	2478.9	2547.4	2638.7	2733.5	2842.3	2968.7	3074.1	3200.5	3300.5	3340.9
7.5°	2322.7	2385.9	2471.9	2587.8	2712.4	2847.6	3012.6	3189.9	3397.1	3530.5	3609.5
10°	2333.2	2429.8	2515.8	2614.1	2726.5	2872.2	3084.6	3319.9	3574.4	3750.0	3848.3
12.5°	2521.1	2622.9	2607.1	2601.8	2677.3	2854.6	3142.5	3451.5	3762.3	3937.8	4055.5
15°	2758.1	2796.7	2647.5	2535.1	2580.7	2791.4	3174.1	3569.1	3918.5	4132.7	4248.6
17.5°	2879.2	2801.9	2621.1	2452.6	2440.3	2694.9	3189.9	3688.5	4094.1	4308.3	4431.2
20°	2823.0	2710.7	2557.9	2398.2	2310.4	2563.2	3181.2	3783.3	4253.8	4492.6	4592.7
22.5°	2701.9	2603.6	2484.2	2331.4	2205.0	2419.2	3158.3	3878.1	4396.0	4636.6	4724.3
25°	2570.2	2496.5	2398.2	2264.7	2145.4	2292.8	3142.5	4004.5	4559.3	4789.3	4845.5
27.5°	2438.5	2384.1	2303.4	2199.8	2131.3	2205.0	3147.8	4169.6	4770.0	4987.7	4964.9
30°	2308.6	2261.2	2205.0	2159.4	2129.6	2184.0	3133.8	4345.1	5001.7	5203.6	5068.4
32.5°	2185.7	2141.8	2106.7	2113.8	2131.3	2192.8	3061.8	4504.9	5214.2	5386.2	5180.8
35°	2080.4	2034.7	2034.7	2059.3	2124.3	2162.9	2875.7	4629.5	5449.4	5621.5	5340.6
37.5°	1982.1	1941.7	1968.0	2008.4	2069.9	2082.1	2636.9	4750.7	5791.7	5953.3	5588.1
40°	1896.1	1855.7	1903.1	1954.0	1985.6	1980.3	2394.6	4919.2	6195.5	6362.3	5916.4
42.5°	1827.6	1790.7	1832.9	1897.8	1903.1	1908.3	2217.3	5080.7	6664.3	6876.7	6481.7
45°	1771.4	1745.1	1766.1	1831.1	1831.1	1911.9	2106.7	5215.9	7370.0	7745.7	7519.3
47.5°	1727.5	1711.7	1722.3	1743.3	1778.4	1975.1	2036.5	5319.5	8655.1	9392.5	9164.3
50°	1702.9	1687.1	1701.2	1657.3	1762.6	2006.7	2013.7	5398.5	10349.3	11504.5	11221.8
52.5°	1681.9	1676.6	1685.4	1583.6	1797.7	1985.6	1996.1	5293.2	11485.2	13583.1	13862.3
55°	1674.8	1678.4	1636.2	1529.1	1839.9	1915.4	1943.5	4540.0	11794.2	15375.6	17108.4
57.5°	1678.4	1667.8	1560.7	1534.4	1841.6	1774.9	2018.9	3239.1	11344.7	16155.1	20284.3
60°	1666.1	1613.4	1469.4	1581.8	1760.9	1609.9	1964.5	2112.0	10159.7	15556.4	20468.6
62.5°	1611.6	1534.4	1390.4	1608.1	1616.9	1511.6	1783.7	1627.4	8579.7	14274.8	18691.9
65°	1532.6	1429.1	1323.7	1553.7	1471.2	1465.9	1341.3	1304.4	6899.5	12749.2	17006.6
67.5°	1402.7	1299.1	1274.6	1429.1	1323.7	1299.1	1077.9	1081.5	5505.6	11123.5	15312.4
70°	1255.3	1151.7	1171.0	1292.1	1178.0	1079.7	872.5	900.6	4176.6	9267.8	13028.4
72.5°	1158.7	1020.0	1021.8	1137.6	1035.8	874.3	718.0	742.6	2651.0	6985.6	10358.1
75°	977.9	898.9	860.2	921.7	879.6	681.2	603.9	598.7	1571.3	5007.0	7756.3
77.5°	816.4	754.9	735.6	760.2	656.6	503.9	486.3	477.5	890.1	3207.5	5082.5
80°	591.6	575.8	574.1	586.4	505.6	370.4	370.4	372.2	479.3	1741.6	2865.2
82.5°	375.7	410.8	363.4	403.8	344.1	263.3	245.8	279.1	275.6	742.6	1207.9
85°	156.2	214.2	200.1	212.4	163.3	144.0	154.5	166.8	159.8	286.2	470.5
87.5°	29.8	35.1	38.6	36.9	36.9	45.6	50.9	61.4	61.4	82.5	142.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637767

CATALOG NUMBER: GWS-SA4D-740-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6	2861.6
2.5°	3147.8	3198.7	3188.2	3211.0	3181.2	3191.7	3132.0	3116.2	3105.7	3109.2
5°	3470.8	3574.4	3593.7	3632.4	3606.0	3606.0	3500.7	3421.7	3393.6	3372.5
7.5°	3799.1	3948.4	4046.7	4057.2	4043.2	4015.1	3862.3	3720.1	3669.2	3625.3
10°	4090.6	4269.6	4380.2	4432.9	4406.6	4362.7	4173.1	3978.2	3916.8	3878.1
12.5°	4313.5	4471.5	4545.3	4580.4	4576.9	4561.1	4406.6	4195.9	4130.9	4071.3
15°	4457.5	4536.5	4508.4	4506.6	4531.2	4594.4	4547.0	4382.0	4306.5	4252.1
17.5°	4550.5	4475.0	4350.4	4292.5	4345.1	4494.4	4603.2	4510.2	4441.7	4382.0
20°	4583.9	4315.3	4134.5	4027.4	4088.8	4304.7	4573.4	4603.2	4545.3	4496.1
22.5°	4545.3	4120.4	3874.6	3748.2	3807.9	4066.0	4485.6	4678.7	4640.1	4592.7
25°	4450.5	3916.8	3621.8	3507.7	3572.7	3836.0	4329.3	4748.9	4750.7	4712.0
27.5°	4332.8	3728.9	3444.5	3337.4	3400.6	3646.4	4176.6	4810.4	4871.8	4857.8
30°	4213.5	3616.6	3360.2	3284.7	3332.1	3549.8	4020.3	4873.6	4996.5	5021.0
32.5°	4159.0	3671.0	3558.6	3592.0	3530.5	3606.0	3964.2	4963.1	5147.4	5187.8
35°	4231.0	4153.8	4438.2	4569.8	4352.1	4066.0	4036.1	5098.3	5359.9	5419.6
37.5°	4580.4	5187.8	5612.7	6076.2	5698.7	5068.4	4392.5	5328.3	5663.6	5758.4
40°	5340.6	6090.2	6857.4	7456.1	6885.5	6037.5	5070.2	5670.6	6081.4	6167.4
42.5°	6056.8	6936.4	7993.3	8767.5	8026.6	6829.3	5800.5	6246.4	6632.7	6680.1
45°	6759.1	7766.8	9367.9	10444.1	9438.1	7582.5	6546.7	7219.1	7510.5	7512.2
47.5°	7582.5	8702.5	11091.9	12624.6	11311.4	8416.4	7247.1	8758.7	9164.3	8965.9
50°	8567.4	9633.0	12866.8	15161.4	13595.4	9441.7	8137.2	10635.5	11188.5	10963.8
52.5°	9885.8	10658.3	14822.6	17635.1	16084.9	10609.1	9427.6	13114.4	13297.0	12877.4
55°	11741.5	12138.3	17333.1	20689.8	18864.0	12047.0	11314.9	16225.3	15714.4	14511.8
57.5°	15967.2	14480.2	20556.4	24174.7	22008.3	14659.3	15451.1	19655.8	17838.7	15811.0
60°	19503.0	17324.3	23539.2	27633.3	24703.1	17538.5	19334.5	20252.7	17759.7	15667.0
62.5°	18311.0	18049.4	24615.4	28014.2	25623.1	18955.3	18612.9	18748.1	16601.0	14710.2
65°	16065.6	16650.2	23655.0	26207.7	24603.1	17686.0	16836.3	17357.7	15275.5	13370.7
67.5°	14740.1	15170.2	21946.8	23316.2	22749.2	16313.1	15454.6	15077.2	13218.0	11599.3
70°	13384.7	13741.1	19548.7	19687.4	19857.7	14030.8	12636.9	11513.3	9852.5	8720.1
72.5°	11565.9	11585.2	16516.7	15712.7	16035.7	10979.6	10172.0	8607.7	7171.7	6144.6
75°	9703.2	9173.0	13074.0	10983.1	11630.9	8541.0	8446.2	6487.0	5409.0	4566.3
77.5°	7398.1	6778.4	9550.5	7222.6	8168.8	5688.2	6350.0	4399.6	3806.2	3039.0
80°	4966.6	4580.4	5277.4	4076.5	5344.1	3920.3	4141.5	2493.0	2161.2	1676.6
82.5°	2619.4	2236.6	3261.9	2417.5	3223.3	2154.1	1553.7	770.7	656.6	530.2
85°	1014.7	1174.5	1599.4	860.2	1250.0	769.0	449.4	191.4	159.8	121.1
87.5°	196.6	303.7	166.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)