

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: P638317

Luminaire Tested: GWS-SA4E-750-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638317
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-SA4E-750-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29339.2 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

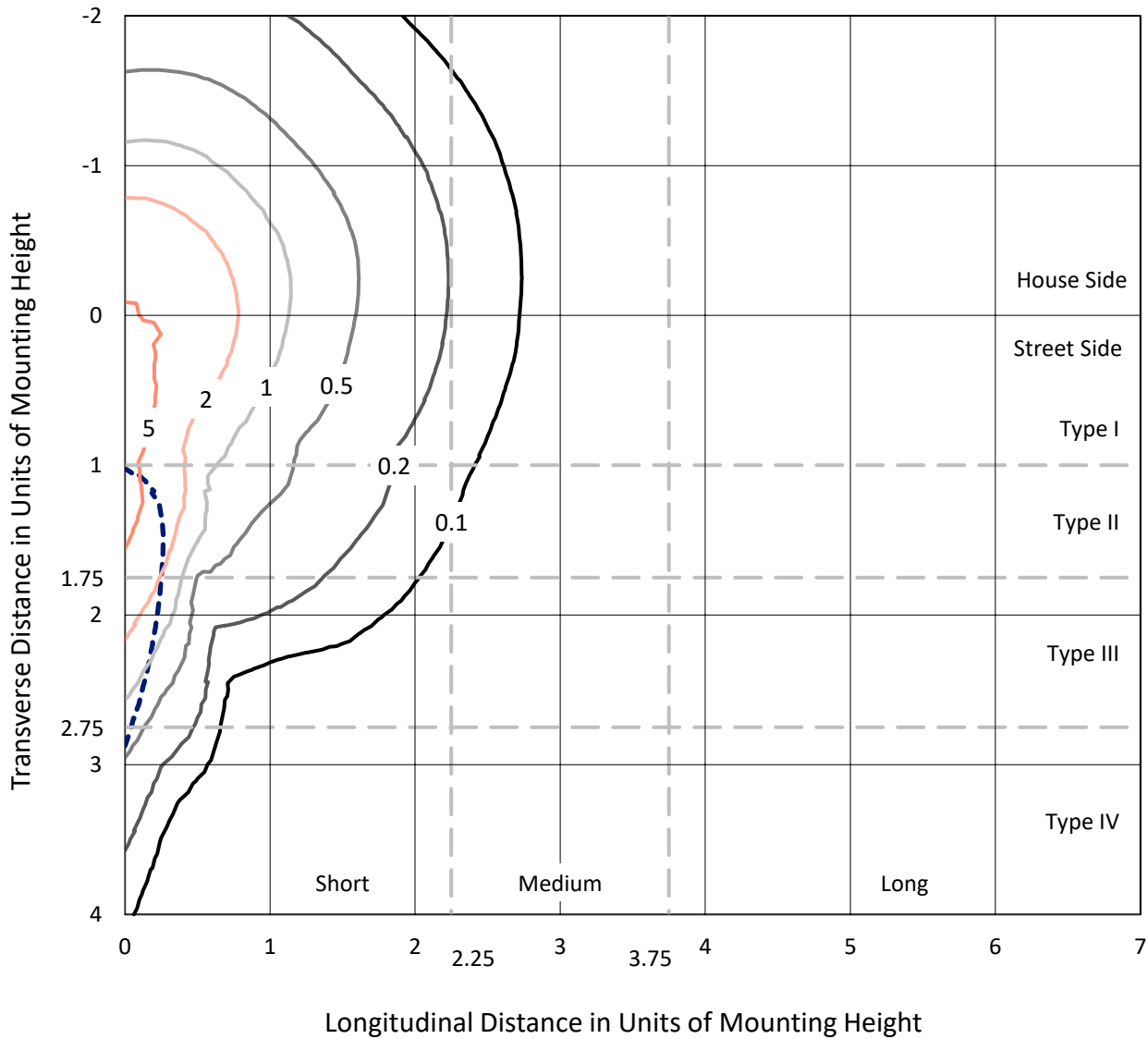
Input Watts (W): 202.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P638317
 CATALOG NUMBER: GWS-SA4E-750-U-SLL-W

Iso-Footcandle Lines of Horizontal Illumination

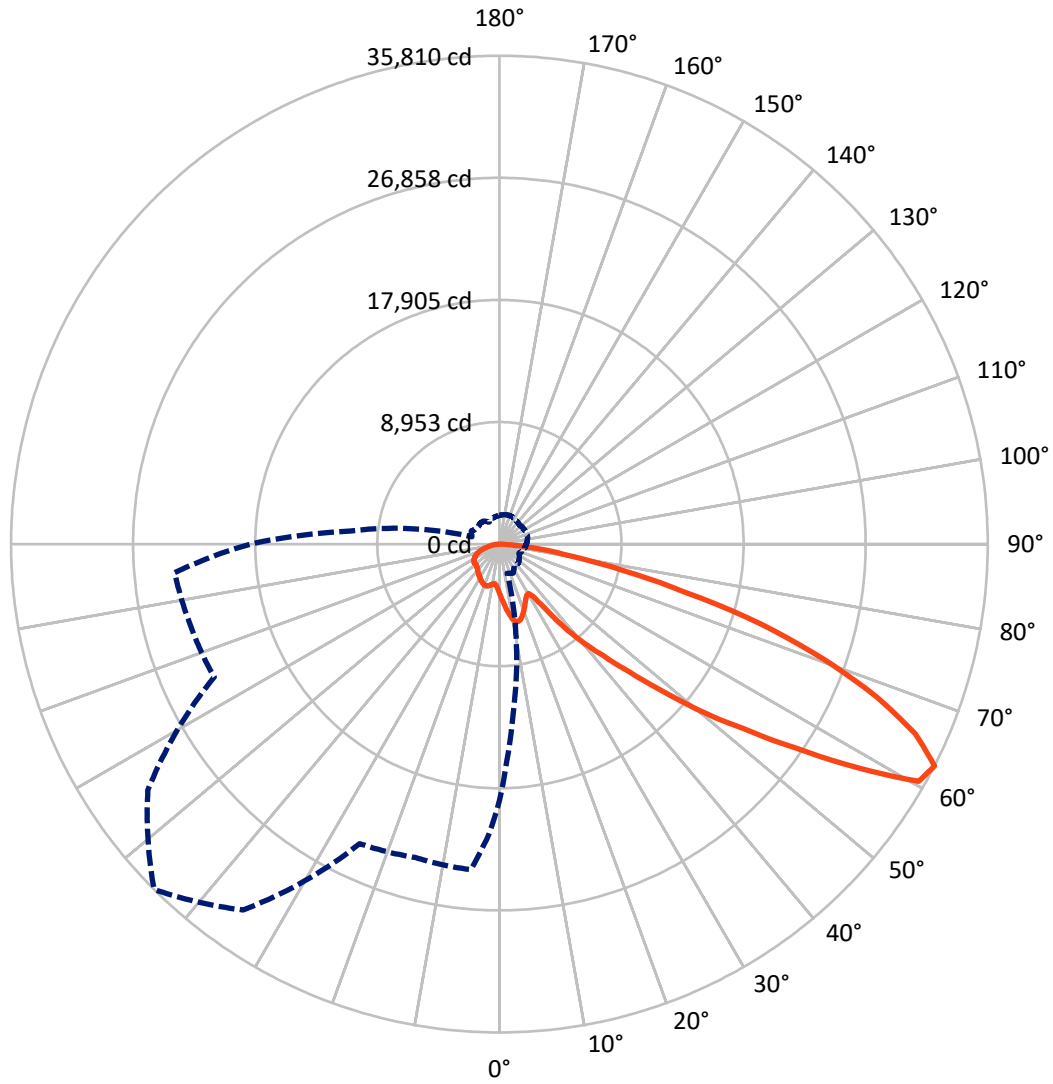
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Short - N/A

REPORT NUMBER: P638317
CATALOG NUMBER: GWS-SA4E-750-U-SLL-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P638317

CATALOG NUMBER: GWS-SA4E-750-U-SLL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7015.0	0.0	7015.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	22324.2	0.0	22324.2
	% Fixture	76.1	0.0	76.1
Total	Lumens	29339.2	0.0	29339.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.4	1.2
10°-20°	1171.2	4.0
20°-30°	1843.7	6.3
30°-40°	2527.2	8.6
40°-50°	3943.2	13.4
50°-60°	6798.8	23.2
60°-70°	7879.0	26.9
70°-80°	4158.9	14.2
80°-90°	657.0	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°	29339.2	100.0
0°-180°	29339.2	100.0

Coefficient of Utilization



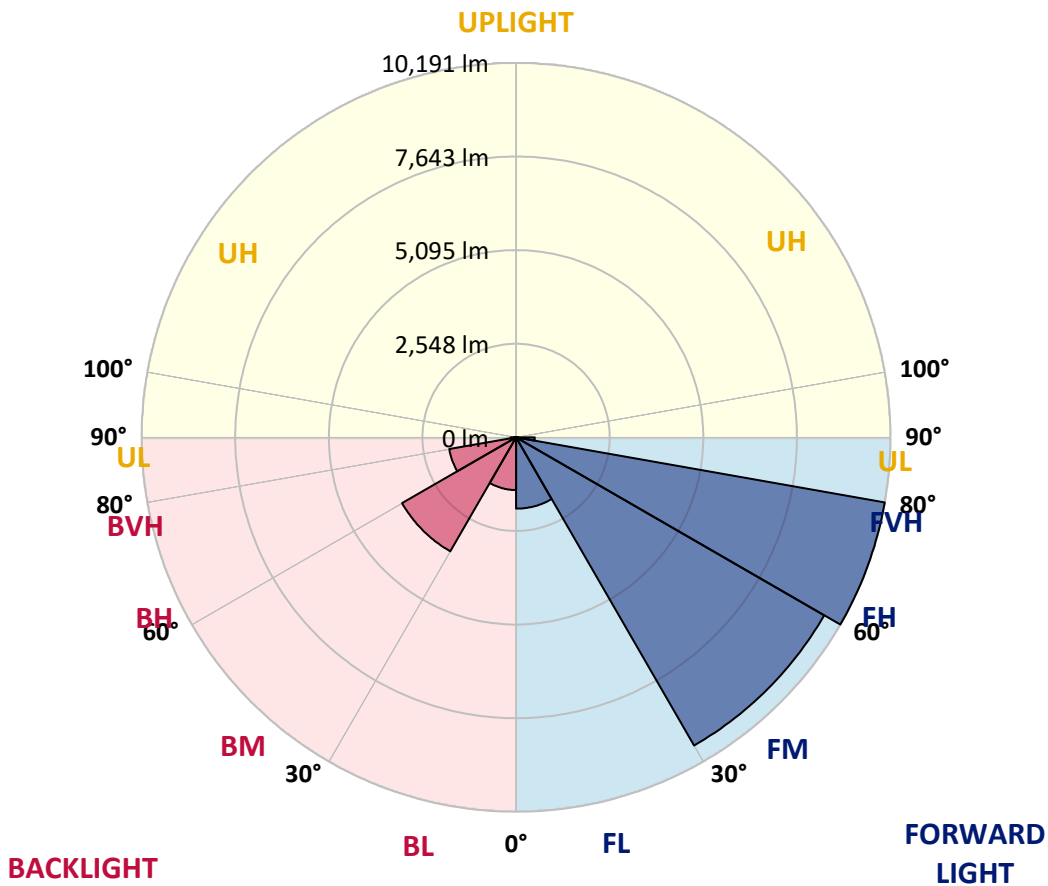
REPORT NUMBER: P638317

CATALOG NUMBER: GWS-SA4E-750-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1940.4	6.6			
FM (30°-60°)	9685.9	33.0			
FH (60°-80°)	10190.7	34.7			G4/12000
FVH (80°-90°)	507.1	1.7			G4/750
BL (0°-30°)	1434.8	4.9	B3/2500		
BM (30°-60°)	3583.2	12.2	B3/5000		
BH (60°-80°)	1847.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	149.9	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: P638317
 CATALOG NUMBER: GWS-SA4E-750-U-SLL-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0
2.5°	3974.4	3958.7	3936.3	3860.0	3812.8	3759.0	3702.9	3637.8	3563.7	3512.1	3460.5
5°	4311.0	4286.4	4232.5	4050.7	3925.0	3788.2	3673.7	3543.5	3415.6	3328.1	3240.6
7.5°	4634.2	4602.8	4519.8	4241.5	4037.3	3839.8	3667.0	3478.5	3287.7	3157.5	3054.3
10°	4957.4	4892.3	4786.8	4423.3	4154.0	3925.0	3727.6	3496.4	3242.8	3065.5	2955.6
12.5°	5204.2	5143.6	5029.2	4589.3	4270.6	3983.4	3761.2	3548.0	3332.6	3144.1	3031.9
15°	5435.4	5356.8	5226.7	4744.2	4367.1	3981.2	3693.9	3507.6	3476.2	3429.1	3283.2
17.5°	5601.4	5529.6	5395.0	4869.8	4421.0	3911.6	3507.6	3397.7	3539.0	3682.7	3543.5
20°	5747.3	5664.3	5527.4	4957.4	4432.2	3756.7	3281.0	3283.2	3505.4	3702.9	3669.2
22.5°	5870.7	5778.7	5657.5	5056.1	4427.7	3541.3	3083.5	3218.1	3440.3	3595.2	3599.6
25°	6023.3	5947.0	5846.1	5202.0	4427.7	3321.4	2939.9	3139.6	3330.3	3460.5	3456.0
27.5°	6209.6	6158.0	6075.0	5424.1	4468.1	3137.3	2859.1	3038.6	3189.0	3301.2	3298.9
30°	6418.3	6371.2	6308.4	5659.8	4537.7	3000.5	2814.2	2912.9	3022.9	3112.7	3112.7
32.5°	6631.5	6613.6	6546.2	5848.3	4483.8	2957.8	2776.0	2787.3	2845.6	2919.7	2912.9
35°	6927.7	6909.8	6824.5	5994.2	4250.5	2897.2	2715.4	2659.3	2666.1	2713.2	2728.9
37.5°	7360.9	7333.9	7208.3	6164.7	3898.1	2744.6	2616.7	2524.7	2504.5	2524.7	2553.9
40°	7883.8	7843.4	7672.8	6395.9	3491.9	2538.2	2461.9	2385.5	2351.9	2358.6	2392.3
42.5°	8539.1	8453.8	8209.2	6640.5	3090.2	2356.4	2289.0	2241.9	2203.8	2199.3	2264.4
45°	9602.8	9369.4	8981.2	6858.2	2751.3	2259.9	2134.2	2100.5	2069.1	2087.1	2163.4
47.5°	11461.0	11030.1	10273.8	7044.4	2544.9	2262.1	2010.8	1974.9	1972.6	2008.5	2093.8
50°	14014.8	13393.2	12226.2	7170.1	2437.2	2289.0	1936.7	1878.4	1921.0	1956.9	2037.7
52.5°	16461.0	15511.7	14122.5	7167.9	2390.0	2293.5	1956.9	1788.6	1921.0	1930.0	2006.3
55°	18550.3	16831.2	14634.2	6431.8	2322.7	2275.6	2035.5	1719.0	1896.3	1930.0	1990.6
57.5°	20211.0	17670.6	14596.1	5195.2	2526.9	2176.8	2082.6	1703.3	1824.5	1934.5	2004.0
60°	20026.9	17286.8	13655.8	3189.0	2506.7	2001.8	2075.9	1732.5	1703.3	1873.9	1988.3
62.5°	18803.9	15911.1	12037.7	2212.7	2354.1	1900.8	1965.9	1784.1	1591.1	1786.4	1912.0
65°	17091.6	14136.0	10031.4	1696.6	1950.2	1905.3	1779.6	1748.2	1492.4	1647.2	1781.9
67.5°	14827.2	11934.5	7919.7	1344.3	1360.0	1649.5	1615.8	1553.0	1400.4	1523.8	1645.0
70°	11146.8	8709.6	5448.8	1081.7	1030.1	1377.9	1452.0	1395.9	1310.6	1346.5	1474.4
72.5°	7854.6	5686.7	2984.7	857.3	794.4	1059.2	1261.2	1252.2	1158.0	1184.9	1310.6
75°	5837.1	4023.8	1864.9	677.7	646.3	758.5	1057.0	1083.9	1005.4	1036.8	1133.3
77.5°	3884.7	2605.5	1036.8	502.7	502.7	554.3	787.7	913.4	855.0	879.7	947.0
80°	2143.2	1326.3	518.4	329.9	338.9	381.5	574.5	657.5	659.8	720.4	738.3
82.5°	677.7	421.9	231.1	193.0	181.8	217.7	370.3	471.3	439.9	561.0	516.2
85°	154.8	98.7	42.6	42.6	47.1	71.8	141.4	251.3	320.9	386.0	280.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	98.7	145.9	130.2
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: P638317
 CATALOG NUMBER: GWS-SA4E-750-U-SLL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0
2.5°	3429.1	3384.2	3370.7	3332.6	3328.1	3292.2	3278.7	3278.7	3294.4	3294.4	3310.1
5°	3204.7	3148.6	3117.1	3072.3	3061.0	3034.1	3016.2	3018.4	3038.6	3052.1	3079.0
7.5°	3007.2	2969.0	2946.6	2926.4	2921.9	2917.4	2897.2	2895.0	2901.7	2921.9	2942.1
10°	2924.1	2897.2	2904.0	2919.7	2944.3	2957.8	2939.9	2930.9	2924.1	2937.6	2955.6
12.5°	3004.9	2978.0	2991.5	3018.4	3052.1	3065.5	3058.8	3056.6	3063.3	3114.9	3153.1
15°	3182.2	3130.6	3112.7	3123.9	3150.8	3164.3	3157.5	3166.5	3209.2	3343.8	3440.3
17.5°	3402.2	3276.5	3204.7	3184.5	3195.7	3206.9	3206.9	3229.4	3303.4	3500.9	3622.1
20°	3521.1	3357.3	3236.1	3186.7	3191.2	3202.4	3202.4	3233.8	3316.9	3527.8	3606.4
22.5°	3489.7	3339.3	3191.2	3137.3	3139.6	3148.6	3148.6	3175.5	3249.6	3435.8	3471.7
25°	3366.2	3233.8	3088.0	3040.8	3045.3	3061.0	3056.6	3072.3	3128.4	3281.0	3301.2
27.5°	3218.1	3101.4	2957.8	2921.9	2942.1	2973.5	2946.6	2948.8	3000.5	3128.4	3130.6
30°	3058.8	2962.3	2834.4	2807.5	2845.6	2861.3	2836.6	2836.6	2888.2	2975.8	2973.5
32.5°	2886.0	2825.4	2733.4	2704.2	2746.9	2771.5	2740.1	2744.6	2785.0	2843.4	2820.9
35°	2724.4	2693.0	2650.4	2630.2	2657.1	2679.5	2659.3	2668.3	2706.5	2722.2	2690.8
37.5°	2569.6	2565.1	2569.6	2569.6	2576.3	2583.0	2569.6	2592.0	2625.7	2605.5	2569.6
40°	2434.9	2452.9	2495.5	2484.3	2477.6	2484.3	2475.3	2513.5	2547.1	2511.2	2468.6
42.5°	2322.7	2356.4	2421.5	2421.5	2408.0	2412.5	2408.0	2455.1	2479.8	2430.4	2383.3
45°	2226.2	2275.6	2358.6	2369.8	2347.4	2347.4	2356.4	2414.7	2423.7	2356.4	2307.0
47.5°	2158.9	2219.5	2313.7	2333.9	2300.3	2298.0	2322.7	2385.5	2385.5	2307.0	2250.9
50°	2111.8	2179.1	2291.3	2318.2	2284.6	2275.6	2316.0	2376.6	2363.1	2268.9	2212.7
52.5°	2080.3	2149.9	2289.0	2327.2	2304.8	2295.8	2336.2	2378.8	2345.2	2244.2	2185.8
55°	2060.1	2136.4	2295.8	2327.2	2302.5	2286.8	2327.2	2365.4	2347.4	2230.7	2174.6
57.5°	2071.4	2147.7	2286.8	2302.5	2273.3	2246.4	2293.5	2347.4	2340.7	2235.2	2179.1
60°	2053.4	2123.0	2237.4	2241.9	2192.6	2149.9	2219.5	2300.3	2300.3	2219.5	2170.1
62.5°	1970.4	2039.9	2140.9	2145.4	2089.3	2042.2	2123.0	2219.5	2217.2	2152.2	2100.5
65°	1833.5	1898.6	2013.0	2024.2	1968.1	1918.8	2001.8	2091.6	2098.3	2039.9	1995.1
67.5°	1683.1	1741.5	1826.8	1871.6	1824.5	1772.9	1849.2	1934.5	1932.2	1862.7	1815.5
70°	1503.6	1557.5	1636.0	1674.1	1645.0	1595.6	1665.2	1710.1	1689.9	1656.2	1624.8
72.5°	1326.3	1377.9	1452.0	1452.0	1420.6	1373.4	1393.6	1474.4	1499.1	1474.4	1454.2
75°	1140.0	1184.9	1236.5	1247.8	1178.2	1092.9	1187.2	1256.7	1285.9	1274.7	1250.0
77.5°	949.3	982.9	1059.2	1039.0	908.9	864.0	940.3	1043.5	1063.7	1057.0	1023.3
80°	731.6	751.8	832.6	792.2	691.2	662.0	695.7	776.5	781.0	758.5	715.9
82.5°	491.5	518.4	572.3	493.7	491.5	464.5	437.6	446.6	487.0	482.5	453.3
85°	251.3	264.8	316.4	296.2	253.6	219.9	208.7	222.2	199.7	181.8	157.1
87.5°	105.5	114.5	157.1	87.5	26.9	0.0	0.0	13.5	20.2	29.2	31.4
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: P638317
 CATALOG NUMBER: GWS-SA4E-750-U-SLL-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0
2.5°	3346.1	3370.7	3431.3	3507.6	3581.7	3658.0	3741.0	3792.6	3855.5	3936.3	3938.5
5°	3112.7	3168.8	3256.3	3373.0	3494.2	3633.3	3794.9	3929.5	4091.1	4219.0	4270.6
7.5°	2969.0	3049.8	3159.8	3307.9	3467.2	3640.0	3851.0	4077.6	4342.5	4513.0	4614.0
10°	2982.5	3105.9	3215.9	3341.6	3485.2	3671.5	3943.0	4243.7	4569.1	4793.5	4919.2
12.5°	3222.6	3352.8	3332.6	3325.9	3422.4	3649.0	4017.1	4412.0	4809.2	5033.7	5184.0
15°	3525.6	3575.0	3384.2	3240.6	3298.9	3568.2	4057.5	4562.4	5009.0	5282.8	5430.9
17.5°	3680.4	3581.7	3350.5	3135.1	3119.4	3444.8	4077.6	4715.0	5233.4	5507.2	5664.3
20°	3608.6	3465.0	3269.7	3065.5	2953.3	3276.5	4066.4	4836.2	5437.6	5742.8	5870.7
22.5°	3453.8	3328.1	3175.5	2980.3	2818.7	3092.5	4037.3	4957.4	5619.4	5926.8	6039.1
25°	3285.5	3191.2	3065.5	2895.0	2742.4	2930.9	4017.1	5118.9	5828.1	6122.1	6193.9
27.5°	3117.1	3047.6	2944.3	2811.9	2724.4	2818.7	4023.8	5329.9	6097.4	6375.7	6346.5
30°	2951.1	2890.5	2818.7	2760.3	2722.2	2791.7	4005.8	5554.3	6393.6	6651.7	6478.9
32.5°	2794.0	2737.9	2693.0	2702.0	2724.4	2803.0	3913.8	5758.5	6665.2	6885.1	6622.5
35°	2659.3	2601.0	2601.0	2632.4	2715.4	2764.8	3675.9	5917.9	6965.9	7185.8	6826.8
37.5°	2533.7	2482.0	2515.7	2567.3	2645.9	2661.6	3370.7	6072.7	7403.5	7610.0	7143.2
40°	2423.7	2372.1	2432.7	2497.8	2538.2	2531.4	3061.0	6288.2	7919.7	8132.9	7562.8
42.5°	2336.2	2289.0	2342.9	2425.9	2432.7	2439.4	2834.4	6494.6	8518.9	8790.4	8285.5
45°	2264.4	2230.7	2257.6	2340.7	2340.7	2443.9	2693.0	6667.4	9421.0	9901.3	9611.8
47.5°	2208.3	2188.1	2201.5	2228.5	2273.3	2524.7	2603.2	6799.8	11063.7	12006.3	11714.5
50°	2176.8	2156.6	2174.6	2118.5	2253.1	2565.1	2574.1	6900.8	13229.4	14706.0	14344.7
52.5°	2149.9	2143.2	2154.4	2024.2	2298.0	2538.2	2551.6	6766.2	14681.3	17363.1	17719.9
55°	2140.9	2145.4	2091.6	1954.7	2351.9	2448.4	2484.3	5803.4	15076.3	19654.4	21869.4
57.5°	2145.4	2132.0	1995.1	1961.4	2354.1	2268.9	2580.8	4140.5	14501.8	20650.8	25929.1
60°	2129.7	2062.4	1878.4	2022.0	2250.9	2057.9	2511.2	2699.7	12987.0	19885.6	26164.7
62.5°	2060.1	1961.4	1777.4	2055.7	2066.9	1932.2	2280.1	2080.3	10967.2	18247.3	23893.6
65°	1959.2	1826.8	1692.1	1986.1	1880.6	1873.9	1714.5	1667.4	8819.6	16297.1	21739.2
67.5°	1793.1	1660.7	1629.3	1826.8	1692.1	1660.7	1377.9	1382.4	7037.7	14219.0	19573.6
70°	1604.6	1472.2	1496.9	1651.7	1505.8	1380.2	1115.4	1151.3	5338.9	11847.0	16654.0
72.5°	1481.1	1303.9	1306.1	1454.2	1324.1	1117.6	917.9	949.3	3388.7	8929.5	13240.6
75°	1250.0	1149.0	1099.6	1178.2	1124.3	870.7	772.0	765.3	2008.5	6400.4	9914.7
77.5°	1043.5	965.0	940.3	971.7	839.3	644.1	621.6	610.4	1137.8	4100.1	6496.9
80°	756.3	736.1	733.8	749.6	646.3	473.5	473.5	475.8	612.7	2226.2	3662.5
82.5°	480.3	525.1	464.5	516.2	439.9	336.6	314.2	356.8	352.3	949.3	1544.0
85°	199.7	273.8	255.8	271.5	208.7	184.0	197.5	213.2	204.2	365.8	601.4
87.5°	38.2	44.9	49.4	47.1	47.1	58.3	65.1	78.5	78.5	105.5	181.8
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: P638317

CATALOG NUMBER: GWS-SA4E-750-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0	3658.0
2.5°	4023.8	4088.9	4075.4	4104.6	4066.4	4079.9	4003.6	3983.4	3969.9	3974.4
5°	4436.7	4569.1	4593.8	4643.2	4609.5	4609.5	4474.9	4373.9	4338.0	4311.0
7.5°	4856.4	5047.1	5172.8	5186.3	5168.3	5132.4	4937.2	4755.4	4690.3	4634.2
10°	5228.9	5457.8	5599.2	5666.5	5632.9	5576.8	5334.4	5085.3	5006.7	4957.4
12.5°	5513.9	5715.9	5810.1	5855.0	5850.5	5830.3	5632.9	5363.6	5280.5	5204.2
15°	5697.9	5798.9	5763.0	5760.8	5792.2	5873.0	5812.4	5601.4	5504.9	5435.4
17.5°	5816.9	5720.4	5561.0	5487.0	5554.3	5745.1	5884.2	5765.3	5677.7	5601.4
20°	5859.5	5516.2	5285.0	5148.1	5226.7	5502.7	5846.1	5884.2	5810.1	5747.3
22.5°	5810.1	5267.1	4952.9	4791.3	4867.6	5197.5	5733.8	5980.7	5931.3	5870.7
25°	5689.0	5006.7	4629.7	4483.8	4566.9	4903.5	5534.1	6070.5	6072.7	6023.3
27.5°	5538.6	4766.6	4403.1	4266.2	4346.9	4661.1	5338.9	6149.0	6227.6	6209.6
30°	5386.0	4623.0	4295.3	4198.8	4259.4	4537.7	5139.1	6229.8	6386.9	6418.3
32.5°	5316.4	4692.6	4548.9	4591.6	4513.0	4609.5	5067.3	6344.3	6579.9	6631.5
35°	5408.4	5309.7	5673.3	5841.6	5563.3	5197.5	5159.3	6517.1	6851.4	6927.7
37.5°	5855.0	6631.5	7174.6	7767.1	7284.6	6478.9	5614.9	6811.0	7239.7	7360.9
40°	6826.8	7785.0	8765.7	9531.0	8801.6	7717.7	6481.2	7248.7	7773.8	7883.8
42.5°	7742.4	8866.7	10217.7	11207.4	10260.3	8729.8	7414.7	7984.7	8478.5	8539.1
45°	8640.0	9928.2	11974.9	13350.5	12064.6	9692.6	8368.5	9228.0	9600.5	9602.8
47.5°	9692.6	11124.3	14178.6	16137.8	14459.2	10758.5	9263.9	11196.1	11714.5	11461.0
50°	10951.5	12313.7	16447.5	19380.6	17378.8	12069.1	10401.7	13595.2	14302.1	14014.8
52.5°	12636.9	13624.3	18947.5	22542.6	20561.0	13561.5	12051.2	16763.9	16997.3	16461.0
55°	15009.0	15516.2	22156.7	26447.5	24113.6	15399.5	14463.7	20740.6	20087.5	18550.3
57.5°	20410.7	18509.9	26276.9	30902.2	28132.9	18738.8	19750.9	25125.7	22803.0	20211.0
60°	24930.4	22145.4	30089.8	35323.2	31577.7	22419.2	24715.0	25888.7	22702.0	20026.9
62.5°	23406.7	23072.3	31465.5	35810.2	32753.6	24230.3	23792.6	23965.4	21220.8	18803.9
65°	20536.4	21283.7	30237.9	33500.9	31449.7	22607.7	21521.6	22188.1	19526.5	17091.6
67.5°	18842.0	19391.8	28054.3	29804.8	29079.9	20852.8	19755.4	19272.9	16896.3	14827.2
70°	17109.5	17565.1	24988.8	25166.1	25383.8	17935.4	16153.5	14717.2	12594.3	11146.8
72.5°	14784.6	14809.3	21113.1	20085.3	20498.2	14035.0	13002.7	11003.1	9167.4	7854.6
75°	12403.5	11725.8	16712.3	14039.5	14867.6	10917.9	10796.7	8292.2	6914.3	5837.1
77.5°	9456.9	8664.7	12208.3	9232.5	10442.1	7271.1	8117.1	5623.9	4865.4	3884.7
80°	6348.7	5855.0	6746.0	5211.0	6831.2	5011.2	5294.0	3186.7	2762.6	2143.2
82.5°	3348.3	2859.1	4169.7	3090.2	4120.3	2753.6	1986.1	985.2	839.3	677.7
85°	1297.1	1501.3	2044.4	1099.6	1597.8	982.9	574.5	244.6	204.2	154.8
87.5°	251.3	388.2	213.2	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)