

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: P640187

Luminaire Tested: GWS-SA5D-735-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640187  
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-SA5D-735-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (80) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

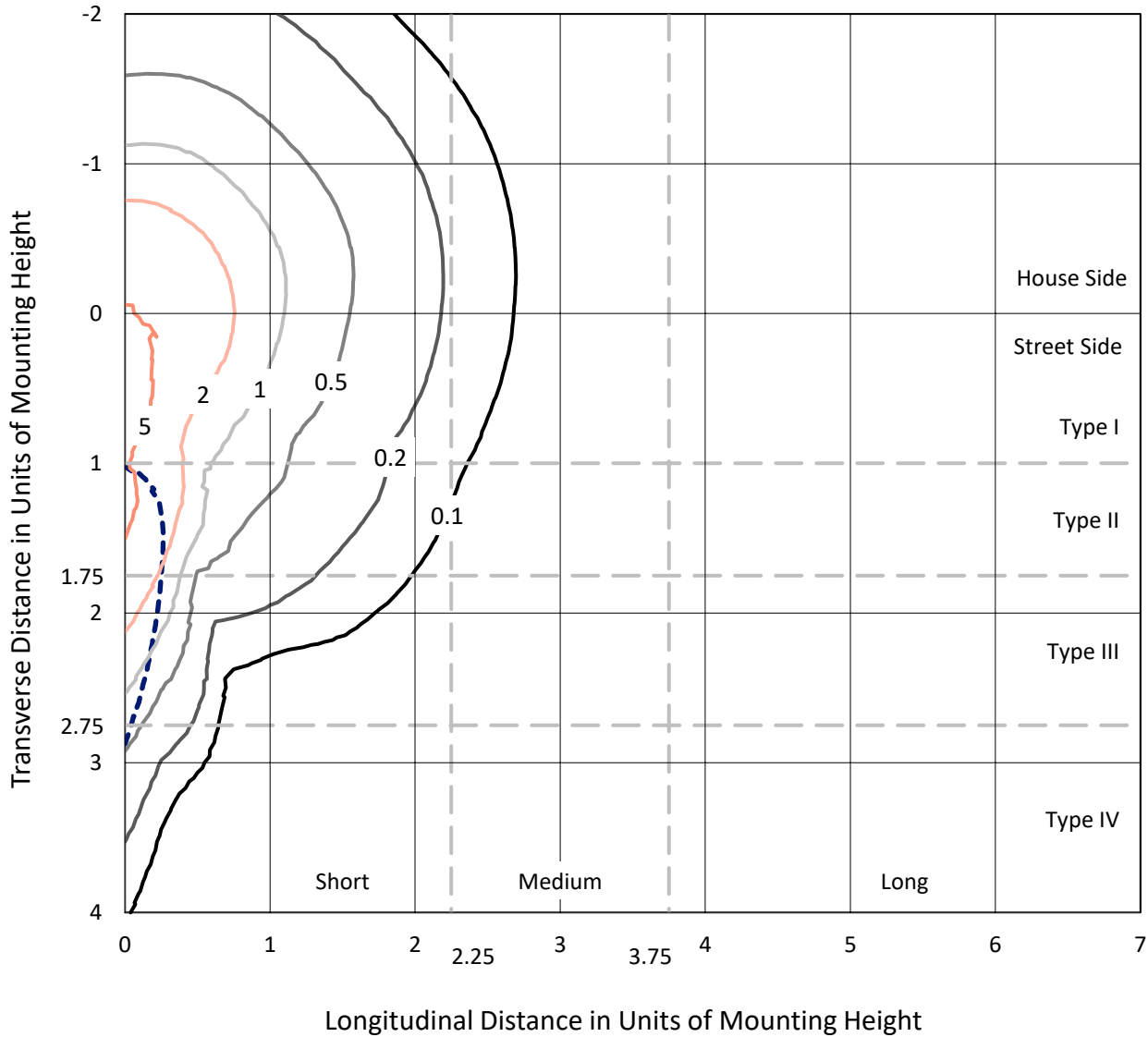
Lumens per Lamp: N/A  
Luminaire Lumens: 27769.6 lumens  
Efficiency: N/A  
Efficacy: 135.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 204.6  
Input Voltage (V): 120  
Input Current (Ain): 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: P640187  
 CATALOG NUMBER: GWS-SA5D-735-U-SLL-W

### Iso-Footcandle Lines of Horizontal Illumination

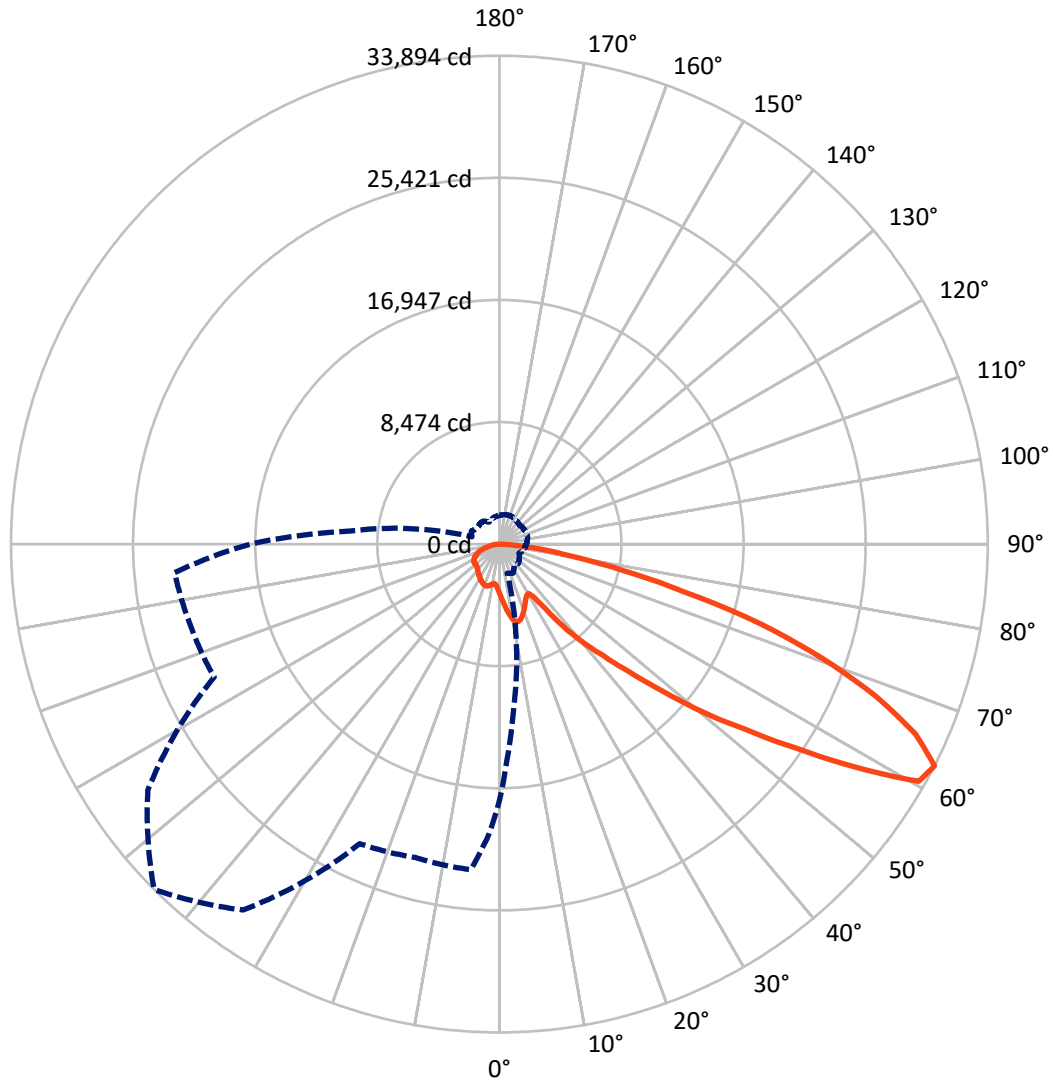
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P640187  
CATALOG NUMBER: GWS-SA5D-735-U-SLL-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P640187

CATALOG NUMBER: GWS-SA5D-735-U-SLL-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6639.7	0.0	6639.7
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	21129.9	0.0	21129.9
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	27769.6	0.0	27769.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	341.1	1.2
10°-20°	1108.5	4.0
20°-30°	1745.1	6.3
30°-40°	2392.0	8.6
40°-50°	3732.2	13.4
50°-60°	6435.1	23.2
60°-70°	7457.4	26.9
70°-80°	3936.4	14.2
80°-90°	621.8	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°	27769.6	100.0
0°-180°	27769.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P640187

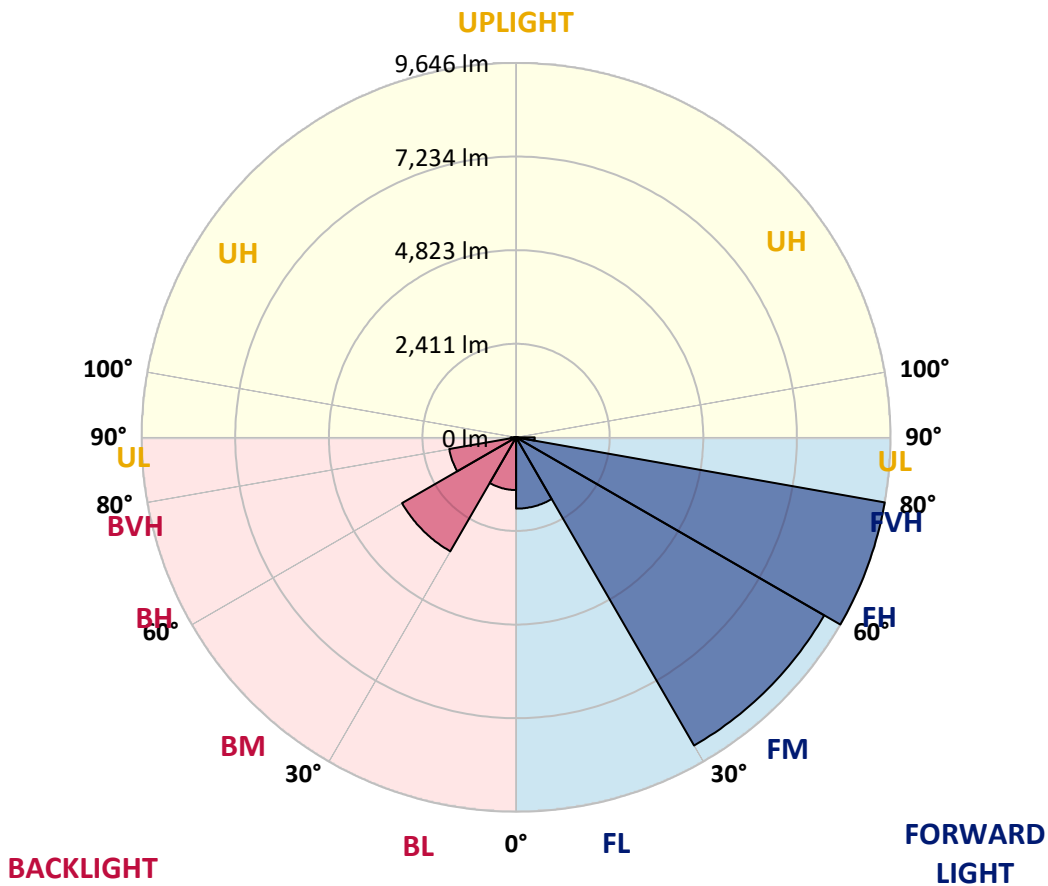
CATALOG NUMBER: GWS-SA5D-735-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1836.6	6.6			
FM (30°-60°)	9167.7	33.0			
FH (60°-80°)	9645.6	34.7			G4/12000
FVH (80°-90°)	480.0	1.7			G3/500
BL (0°-30°)	1358.1	4.9	B3/2500		
BM (30°-60°)	3391.5	12.2	B3/5000		
BH (60°-80°)	1748.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	141.9	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: P640187  
 CATALOG NUMBER: GWS-SA5D-735-U-SLL-W

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3
2.5°	3761.8	3746.9	3725.7	3653.5	3608.9	3557.9	3504.8	3443.2	3373.1	3324.2	3275.4
5°	4080.4	4057.0	4006.1	3834.0	3715.1	3585.5	3477.2	3354.0	3232.9	3150.1	3067.2
7.5°	4386.3	4356.5	4278.0	4014.6	3821.3	3634.3	3470.8	3292.4	3111.8	2988.6	2890.9
10°	4692.2	4630.6	4530.7	4186.6	3931.7	3715.1	3528.1	3309.4	3069.3	2901.5	2797.4
12.5°	4925.8	4868.5	4760.1	4343.8	4042.2	3770.3	3560.0	3358.2	3154.3	2975.9	2869.7
15°	5144.6	5070.2	4947.0	4490.4	4133.5	3768.2	3496.3	3320.0	3290.2	3245.6	3107.6
17.5°	5301.8	5233.8	5106.4	4609.3	4184.5	3702.3	3320.0	3215.9	3349.7	3485.7	3354.0
20°	5439.8	5361.2	5231.7	4692.2	4195.1	3555.8	3105.4	3107.6	3317.9	3504.8	3472.9
22.5°	5556.7	5469.6	5354.9	4785.6	4190.9	3351.8	2918.5	3046.0	3256.3	3402.8	3407.1
25°	5701.1	5628.9	5533.3	4923.7	4190.9	3143.7	2782.6	2971.6	3152.2	3275.4	3271.1
27.5°	5877.4	5828.5	5750.0	5134.0	4229.1	2969.5	2706.1	2876.0	3018.4	3124.6	3122.4
30°	6074.9	6030.3	5970.9	5357.0	4294.9	2839.9	2663.6	2757.1	2861.2	2946.1	2946.1
32.5°	6276.7	6259.7	6196.0	5535.4	4244.0	2799.6	2627.5	2638.1	2693.4	2763.5	2757.1
35°	6557.1	6540.1	6459.4	5673.5	4023.1	2742.2	2570.2	2517.1	2523.4	2568.0	2582.9
37.5°	6967.1	6941.6	6822.6	5834.9	3689.6	2597.8	2476.7	2389.6	2370.5	2389.6	2417.2
40°	7462.0	7423.8	7262.3	6053.7	3305.1	2402.4	2330.1	2257.9	2226.1	2232.4	2264.3
42.5°	8082.2	8001.5	7770.0	6285.2	2924.9	2230.3	2166.6	2122.0	2085.9	2081.6	2143.2
45°	9089.1	8868.1	8500.7	6491.3	2604.2	2139.0	2020.0	1988.2	1958.4	1975.4	2047.6
47.5°	10847.8	10440.0	9724.2	6667.6	2408.7	2141.1	1903.2	1869.2	1867.1	1901.1	1981.8
50°	13265.0	12676.7	11572.1	6786.5	2306.8	2166.6	1833.1	1777.9	1818.2	1852.2	1928.7
52.5°	15580.3	14681.8	13367.0	6784.4	2262.2	2170.8	1852.2	1692.9	1818.2	1826.7	1899.0
55°	17557.9	15930.8	13851.3	6087.7	2198.5	2153.8	1926.6	1627.1	1794.9	1826.7	1884.1
57.5°	19129.7	16725.2	13815.2	4917.3	2391.7	2060.4	1971.2	1612.2	1726.9	1831.0	1896.8
60°	18955.5	16362.0	12925.2	3018.4	2372.6	1894.7	1964.8	1639.8	1612.2	1773.6	1882.0
62.5°	17797.9	15059.9	11393.7	2094.4	2228.2	1799.1	1860.7	1688.7	1506.0	1690.8	1809.7
65°	16177.2	13379.7	9494.8	1605.8	1845.8	1803.4	1684.4	1654.7	1412.5	1559.1	1686.5
67.5°	14034.0	11296.0	7496.0	1272.3	1287.2	1561.2	1529.4	1469.9	1325.4	1442.3	1557.0
70°	10550.4	8243.7	5157.3	1023.8	975.0	1304.2	1374.3	1321.2	1240.5	1274.5	1395.5
72.5°	7434.4	5382.5	2825.1	811.4	751.9	1002.6	1193.7	1185.3	1096.0	1121.5	1240.5
75°	5524.8	3808.5	1765.1	641.5	611.7	717.9	1000.5	1025.9	951.6	981.3	1072.7
77.5°	3676.8	2466.1	981.3	475.8	475.8	524.7	745.6	864.5	809.3	832.6	896.4
80°	2028.5	1255.3	490.7	312.2	320.7	361.1	543.8	622.4	624.5	681.8	698.8
82.5°	641.5	399.3	218.8	182.7	172.1	206.0	350.5	446.1	416.3	531.0	488.5
85°	146.6	93.5	40.4	40.4	44.6	68.0	133.8	237.9	303.7	365.3	265.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	93.5	138.1	123.2
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: P640187  
 CATALOG NUMBER: GWS-SA5D-735-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3
2.5°	3245.6	3203.2	3190.4	3154.3	3150.1	3116.1	3103.3	3103.3	3118.2	3118.2	3133.1
5°	3033.2	2980.1	2950.4	2907.9	2897.3	2871.8	2854.8	2856.9	2876.0	2888.8	2914.3
7.5°	2846.3	2810.2	2789.0	2769.8	2765.6	2761.3	2742.2	2740.1	2746.5	2765.6	2784.7
10°	2767.7	2742.2	2748.6	2763.5	2786.8	2799.6	2782.6	2774.1	2767.7	2780.5	2797.4
12.5°	2844.2	2818.7	2831.4	2856.9	2888.8	2901.5	2895.2	2893.0	2899.4	2948.3	2984.4
15°	3012.0	2963.1	2946.1	2956.8	2982.2	2995.0	2988.6	2997.1	3037.5	3164.9	3256.3
17.5°	3220.1	3101.2	3033.2	3014.1	3024.7	3035.3	3035.3	3056.6	3126.7	3313.6	3428.3
20°	3332.7	3177.7	3063.0	3016.2	3020.5	3031.1	3031.1	3060.8	3139.4	3339.1	3413.4
22.5°	3303.0	3160.7	3020.5	2969.5	2971.6	2980.1	2980.1	3005.6	3075.7	3252.0	3286.0
25°	3186.2	3060.8	2922.8	2878.2	2882.4	2897.3	2893.0	2907.9	2961.0	3105.4	3124.6
27.5°	3046.0	2935.5	2799.6	2765.6	2784.7	2814.4	2789.0	2791.1	2839.9	2961.0	2963.1
30°	2895.2	2803.8	2682.7	2657.3	2693.4	2708.2	2684.9	2684.9	2733.7	2816.6	2814.4
32.5°	2731.6	2674.3	2587.2	2559.5	2599.9	2623.3	2593.5	2597.8	2636.0	2691.2	2670.0
35°	2578.7	2548.9	2508.6	2489.5	2514.9	2536.2	2517.1	2525.6	2561.7	2576.5	2546.8
37.5°	2432.1	2427.9	2432.1	2432.1	2438.5	2444.8	2432.1	2453.3	2485.2	2466.1	2432.1
40°	2304.7	2321.6	2362.0	2351.4	2345.0	2351.4	2342.9	2379.0	2410.9	2376.9	2336.5
42.5°	2198.5	2230.3	2291.9	2291.9	2279.2	2283.4	2279.2	2323.8	2347.1	2300.4	2255.8
45°	2107.1	2153.8	2232.4	2243.1	2221.8	2221.8	2230.3	2285.5	2294.0	2230.3	2183.6
47.5°	2043.4	2100.7	2190.0	2209.1	2177.2	2175.1	2198.5	2257.9	2257.9	2183.6	2130.5
50°	1998.8	2062.5	2168.7	2194.2	2162.3	2153.8	2192.1	2249.4	2236.7	2147.5	2094.4
52.5°	1969.0	2034.9	2166.6	2202.7	2181.5	2173.0	2211.2	2251.6	2219.7	2124.1	2068.9
55°	1949.9	2022.1	2173.0	2202.7	2179.3	2164.5	2202.7	2238.8	2221.8	2111.4	2058.3
57.5°	1960.6	2032.8	2164.5	2179.3	2151.7	2126.2	2170.8	2221.8	2215.4	2115.6	2062.5
60°	1943.6	2009.4	2117.7	2122.0	2075.3	2034.9	2100.7	2177.2	2177.2	2100.7	2054.0
62.5°	1865.0	1930.8	2026.4	2030.6	1977.5	1932.9	2009.4	2100.7	2098.6	2037.0	1988.2
65°	1735.4	1797.0	1905.3	1915.9	1862.8	1816.1	1894.7	1979.7	1986.0	1930.8	1888.3
67.5°	1593.1	1648.3	1729.0	1771.5	1726.9	1678.0	1750.3	1831.0	1828.9	1763.0	1718.4
70°	1423.2	1474.1	1548.5	1584.6	1557.0	1510.2	1576.1	1618.6	1599.5	1567.6	1537.9
72.5°	1255.3	1304.2	1374.3	1374.3	1344.6	1300.0	1319.1	1395.5	1418.9	1395.5	1376.4
75°	1079.0	1121.5	1170.4	1181.0	1115.2	1034.4	1123.7	1189.5	1217.1	1206.5	1183.1
77.5°	898.5	930.4	1002.6	983.5	860.3	817.8	890.0	987.7	1006.8	1000.5	968.6
80°	692.5	711.6	788.0	749.8	654.2	626.6	658.5	734.9	739.2	717.9	677.6
82.5°	465.2	490.7	541.6	467.3	465.2	439.7	414.2	422.7	460.9	456.7	429.1
85°	237.9	250.6	299.5	280.4	240.0	208.2	197.5	210.3	189.0	172.1	148.7
87.5°	99.8	108.3	148.7	82.8	25.5	0.0	0.0	12.7	19.1	27.6	29.7
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: P640187  
 CATALOG NUMBER: GWS-SA5D-735-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3
2.5°	3167.0	3190.4	3247.8	3320.0	3390.1	3462.3	3540.9	3589.7	3649.2	3725.7	3727.8
5°	2946.1	2999.2	3082.1	3192.5	3307.2	3438.9	3591.9	3719.3	3872.2	3993.3	4042.2
7.5°	2810.2	2886.7	2990.7	3130.9	3281.7	3445.3	3645.0	3859.5	4110.1	4271.6	4367.2
10°	2822.9	2939.8	3043.8	3162.8	3298.7	3475.0	3732.1	4016.7	4324.7	4537.1	4656.0
12.5°	3050.2	3173.4	3154.3	3147.9	3239.3	3453.8	3802.2	4176.0	4552.0	4764.4	4906.7
15°	3337.0	3383.7	3203.2	3067.2	3122.4	3377.3	3840.4	4318.3	4741.0	5000.1	5140.3
17.5°	3483.5	3390.1	3171.3	2967.4	2952.5	3260.5	3859.5	4462.7	4953.4	5212.6	5361.2
20°	3415.6	3279.6	3094.8	2901.5	2795.3	3101.2	3848.9	4577.5	5146.7	5435.6	5556.7
22.5°	3269.0	3150.1	3005.6	2820.8	2667.9	2927.0	3821.3	4692.2	5318.8	5609.8	5716.0
25°	3109.7	3020.5	2901.5	2740.1	2595.7	2774.1	3802.2	4845.1	5516.3	5794.6	5862.5
27.5°	2950.4	2884.5	2786.8	2661.5	2578.7	2667.9	3808.5	5044.8	5771.2	6034.6	6007.0
30°	2793.2	2735.8	2667.9	2612.7	2576.5	2642.4	3791.5	5257.2	6051.6	6295.9	6132.3
32.5°	2644.5	2591.4	2548.9	2557.4	2578.7	2653.0	3704.4	5450.5	6308.6	6516.8	6268.2
35°	2517.1	2461.8	2461.8	2491.6	2570.2	2616.9	3479.3	5601.3	6593.2	6801.4	6461.5
37.5°	2398.1	2349.3	2381.1	2430.0	2504.3	2519.2	3190.4	5747.8	7007.4	7202.8	6761.0
40°	2294.0	2245.2	2302.5	2364.1	2402.4	2396.0	2897.3	5951.7	7496.0	7697.8	7158.2
42.5°	2211.2	2166.6	2217.6	2296.2	2302.5	2308.9	2682.7	6147.2	8063.1	8320.1	7842.2
45°	2143.2	2111.4	2136.9	2215.4	2215.4	2313.2	2548.9	6310.7	8917.0	9371.6	9097.5
47.5°	2090.1	2071.0	2083.7	2109.2	2151.7	2389.6	2464.0	6436.0	10471.8	11364.0	11087.8
50°	2060.4	2041.3	2058.3	2005.2	2132.6	2427.9	2436.4	6531.6	12521.6	13919.3	13577.3
52.5°	2034.9	2028.5	2039.1	1915.9	2175.1	2402.4	2415.1	6404.2	13895.9	16434.2	16771.9
55°	2026.4	2030.6	1979.7	1850.1	2226.1	2317.4	2351.4	5492.9	14269.7	18602.9	20699.4
57.5°	2030.6	2017.9	1888.3	1856.5	2228.2	2147.5	2442.7	3919.0	13726.0	19546.0	24541.9
60°	2015.8	1952.1	1777.9	1913.8	2130.5	1947.8	2376.9	2555.3	12292.2	18821.7	24765.0
62.5°	1949.9	1856.5	1682.3	1945.7	1956.3	1828.9	2158.1	1969.0	10380.5	17271.1	22615.4
65°	1854.3	1729.0	1601.6	1879.8	1780.0	1773.6	1622.8	1578.2	8347.7	15425.3	20576.2
67.5°	1697.2	1571.8	1542.1	1729.0	1601.6	1571.8	1304.2	1308.4	6661.2	13458.3	18526.5
70°	1518.7	1393.4	1416.8	1563.3	1425.3	1306.3	1055.7	1089.7	5053.3	11213.2	15763.0
72.5°	1401.9	1234.1	1236.2	1376.4	1253.2	1057.8	868.8	898.5	3207.4	8451.8	12532.2
75°	1183.1	1087.5	1040.8	1115.2	1064.2	824.2	730.7	724.3	1901.1	6058.0	9384.3
77.5°	987.7	913.4	890.0	919.7	794.4	609.6	588.4	577.8	1076.9	3880.7	6149.3
80°	715.8	696.7	694.6	709.5	611.7	448.2	448.2	450.3	579.9	2107.1	3466.5
82.5°	454.6	497.0	439.7	488.5	416.3	318.6	297.4	337.7	333.5	898.5	1461.4
85°	189.0	259.1	242.1	257.0	197.5	174.2	186.9	201.8	193.3	346.2	569.3
87.5°	36.1	42.5	46.7	44.6	44.6	55.2	61.6	74.3	74.3	99.8	172.1
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: P640187

CATALOG NUMBER: GWS-SA5D-735-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3	3462.3
2.5°	3808.5	3870.1	3857.4	3885.0	3848.9	3861.6	3789.4	3770.3	3757.5	3761.8
5°	4199.4	4324.7	4348.0	4394.8	4362.9	4362.9	4235.5	4139.9	4105.9	4080.4
7.5°	4596.6	4777.1	4896.1	4908.8	4891.8	4857.8	4673.0	4501.0	4439.4	4386.3
10°	4949.2	5165.8	5299.6	5363.4	5331.5	5278.4	5049.0	4813.2	4738.9	4692.2
12.5°	5218.9	5410.1	5499.3	5541.8	5537.5	5518.4	5331.5	5076.6	4998.0	4925.8
15°	5393.1	5488.7	5454.7	5452.6	5482.3	5558.8	5501.4	5301.8	5210.4	5144.6
17.5°	5505.7	5414.3	5263.5	5193.4	5257.2	5437.7	5569.4	5456.8	5374.0	5301.8
20°	5546.0	5221.1	5002.3	4872.7	4947.0	5208.3	5533.3	5569.4	5499.3	5439.8
22.5°	5499.3	4985.3	4687.9	4535.0	4607.2	4919.4	5427.1	5660.7	5614.0	5556.7
25°	5384.6	4738.9	4382.0	4244.0	4322.6	4641.2	5238.0	5745.7	5747.8	5701.1
27.5°	5242.3	4511.6	4167.5	4037.9	4114.4	4411.8	5053.3	5820.1	5894.4	5877.4
30°	5097.9	4375.7	4065.5	3974.2	4031.6	4294.9	4864.2	5896.5	6045.2	6074.9
32.5°	5032.0	4441.5	4305.6	4345.9	4271.6	4362.9	4796.2	6004.8	6227.9	6276.7
35°	5119.1	5025.6	5369.7	5529.1	5265.7	4919.4	4883.3	6168.4	6484.9	6557.1
37.5°	5541.8	6276.7	6790.8	7351.5	6894.9	6132.3	5314.5	6446.7	6852.4	6967.1
40°	6461.5	7368.5	8296.8	9021.1	8330.7	7304.8	6134.4	6860.9	7357.9	7462.0
42.5°	7328.2	8392.3	9671.1	10607.8	9711.4	8262.8	7018.0	7557.6	8024.9	8082.2
45°	8177.8	9397.0	11334.2	12636.3	11419.2	9174.0	7920.8	8734.3	9086.9	9089.1
47.5°	9174.0	10529.2	13420.1	15274.5	13685.6	10183.0	8768.3	10597.2	11087.8	10847.8
50°	10365.6	11655.0	15567.6	18343.8	16449.1	11423.4	9845.2	12867.8	13536.9	13265.0
52.5°	11960.8	12895.5	17933.8	21336.7	19461.1	12836.0	11406.5	15867.1	16088.0	15580.3
55°	14206.0	14686.1	20971.3	25032.6	22823.5	14575.6	13689.9	19631.0	19012.9	17557.9
57.5°	19318.8	17519.6	24871.2	29249.0	26627.8	17736.3	18694.3	23781.5	21583.0	19129.7
60°	23596.7	20960.7	28480.0	33433.4	29888.3	21219.8	23392.8	24503.7	21487.5	18955.5
62.5°	22154.4	21837.9	29782.1	33894.4	31001.3	22934.0	22519.8	22683.3	20085.6	17797.9
65°	19437.7	20145.0	28620.2	31708.7	29767.2	21398.3	20370.2	21001.0	18481.9	16177.2
67.5°	17834.0	18354.4	26553.5	28210.3	27524.2	19737.2	18698.5	18241.8	15992.4	14034.0
70°	16194.2	16625.4	23651.9	23819.7	24025.8	16975.9	15289.3	13929.9	11920.5	10550.4
72.5°	13993.6	14017.0	19983.6	19010.8	19401.6	13284.2	12307.1	10414.5	8677.0	7434.4
75°	11739.9	11098.5	15818.2	13288.4	14072.2	10333.8	10219.1	7848.6	6544.4	5524.8
77.5°	8951.0	8201.2	11555.1	8738.6	9883.5	6882.1	7682.9	5323.0	4605.1	3676.8
80°	6009.1	5541.8	6385.1	4932.2	6465.8	4743.1	5010.8	3016.2	2614.8	2028.5
82.5°	3169.2	2706.1	3946.6	2924.9	3899.9	2606.3	1879.8	932.5	794.4	641.5
85°	1227.7	1421.0	1935.1	1040.8	1512.4	930.4	543.8	231.5	193.3	146.6
87.5°	237.9	367.5	201.8	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)