

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: P635730

Luminaire Tested: GWS-SA3E-735-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635730  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3E-735-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

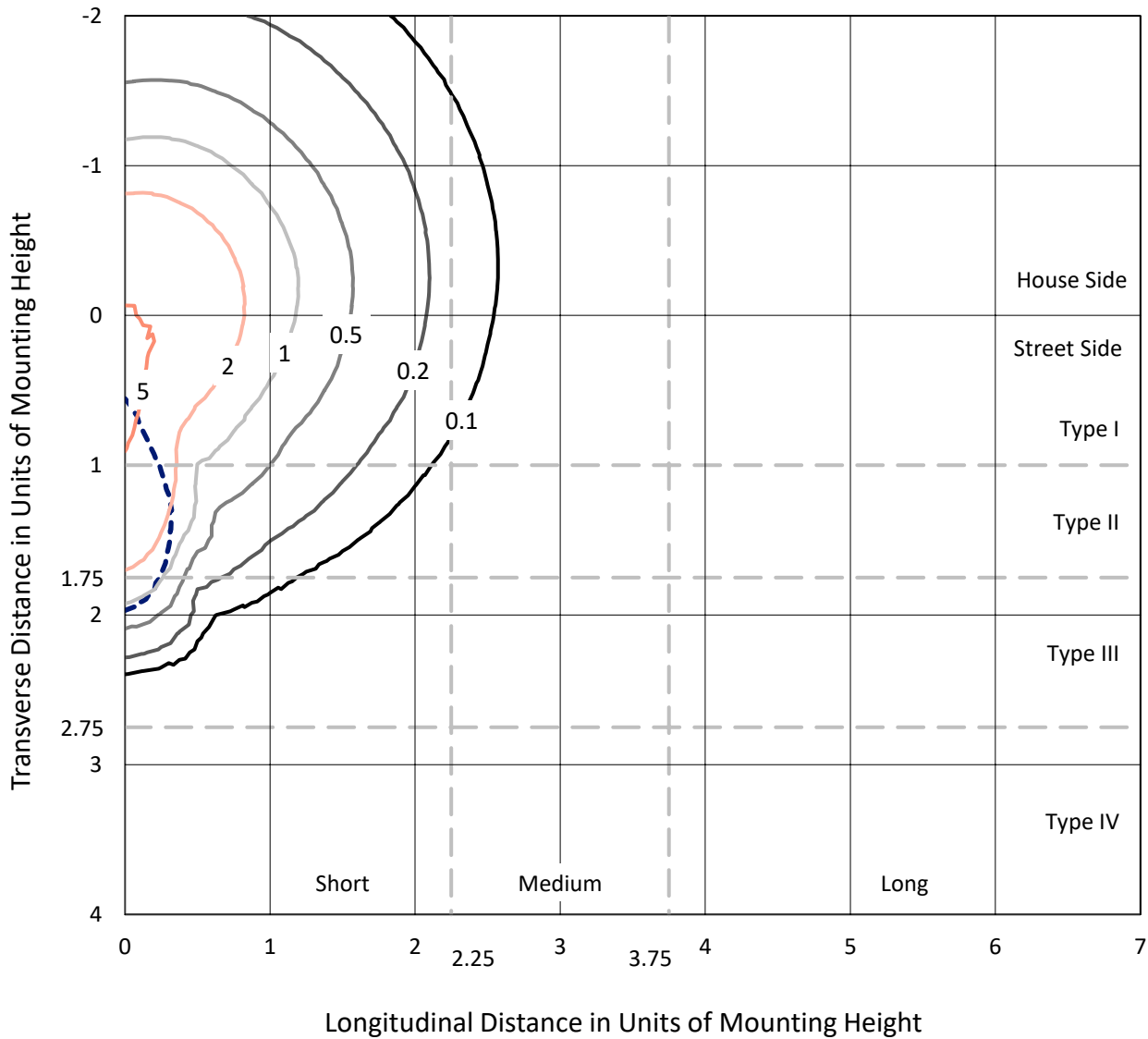
Lumens per Lamp: N/A  
Luminaire Lumens: 16883.1 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P635730  
 CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

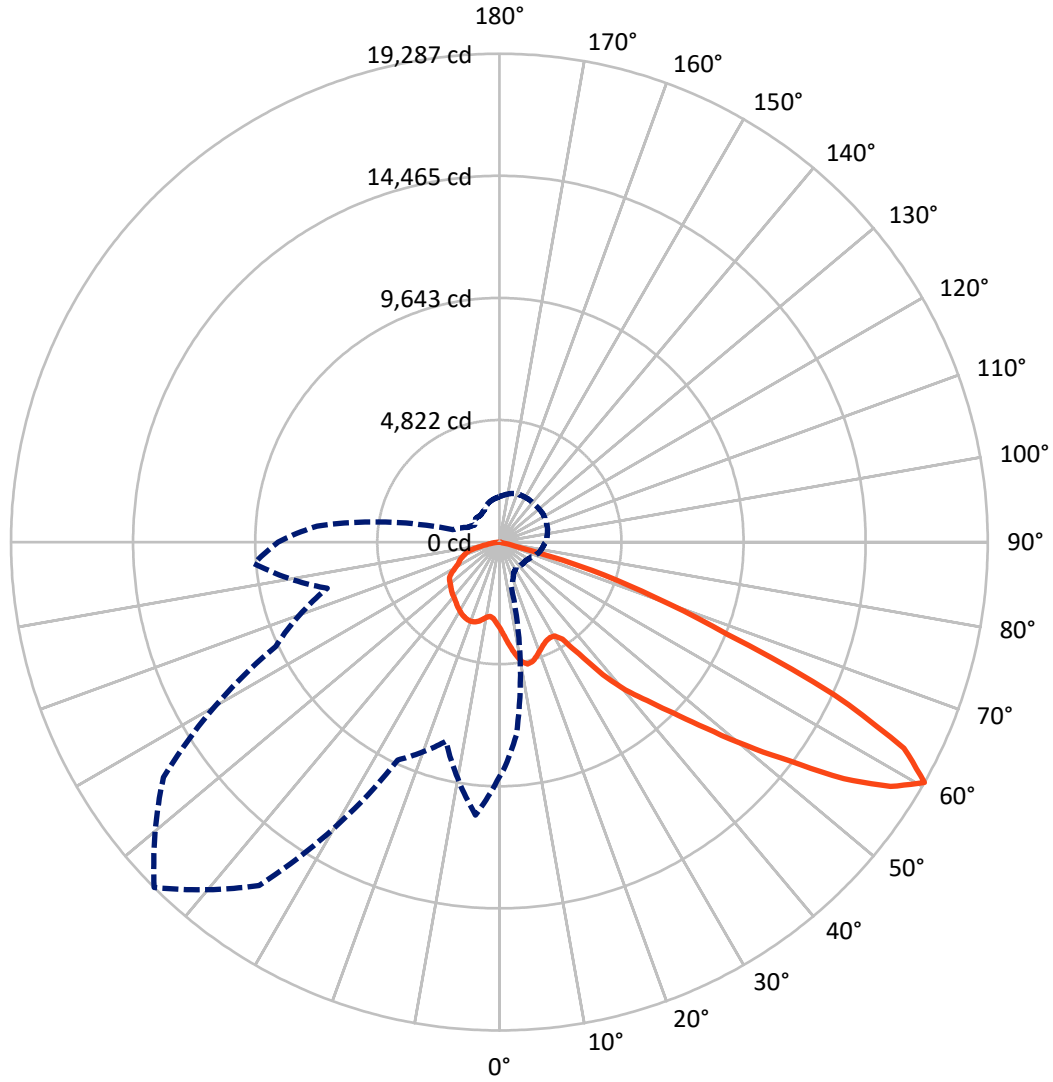
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - Short - N/A

REPORT NUMBER: P635730  
CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P635730

CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5775.6	0.0	5775.6
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	11107.5	0.0	11107.5
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	16883.1	0.0	16883.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	332.7	2.0
10°-20°	1067.1	6.3
20°-30°	1737.8	10.3
30°-40°	2441.3	14.5
40°-50°	3340.6	19.8
50°-60°	4285.9	25.4
60°-70°	2885.9	17.1
70°-80°	721.5	4.3
80°-90°	70.3	0.4
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°	16883.1	100.0
0°-180°	16883.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635730

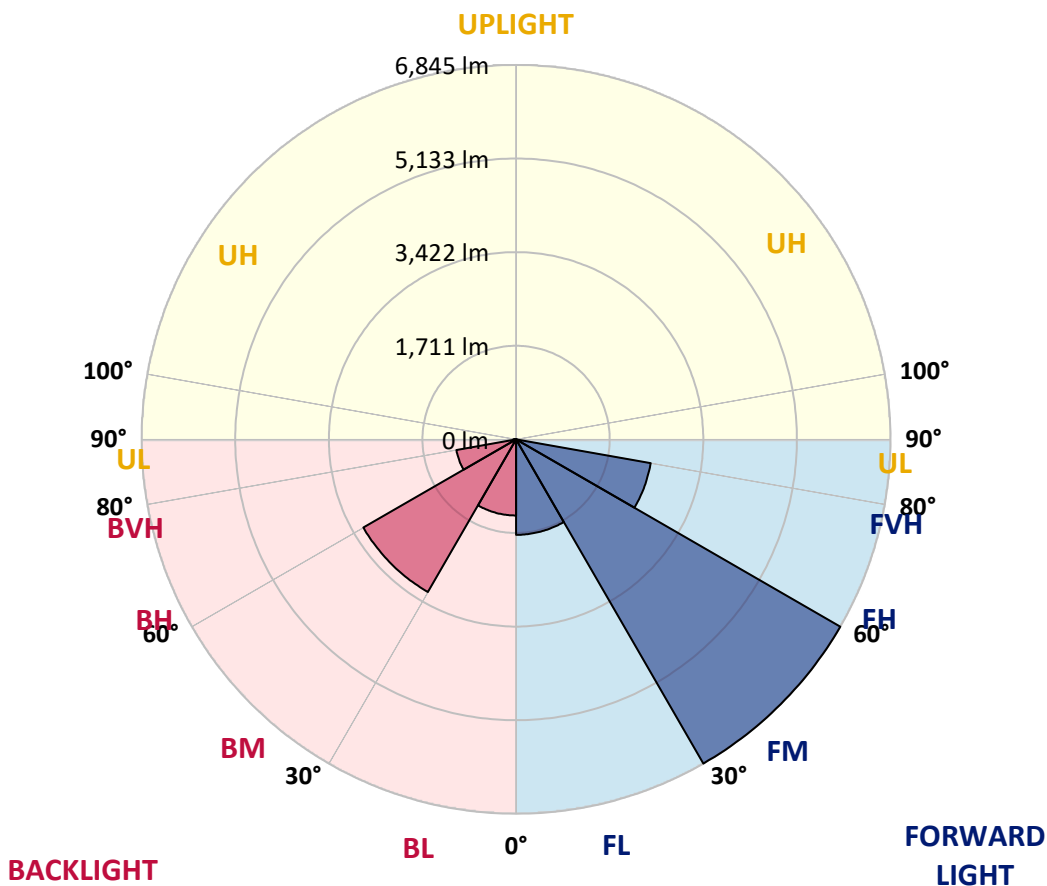
CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1745.3	10.3			
FM (30°-60°)	6844.5	40.5			
FH (60°-80°)	2499.4	14.8			G2/5000
FVH (80°-90°)	18.3	0.1			G1/100
BL (0°-30°)	1392.3	8.2	B3/2500		
BM (30°-60°)	3223.2	19.1	B3/5000		
BH (60°-80°)	1108.0	6.6	B3/2500		G3/2500
BVH (80°-90°)	52.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





REPORT NUMBER: P635730

CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1
2.5°	3602.6	3594.8	3587.1	3526.4	3510.9	3467.3	3436.2	3397.4	3341.4	3310.3	3283.9
5°	3828.1	3815.6	3773.6	3649.3	3568.4	3479.8	3406.7	3325.8	3240.3	3184.4	3140.8
7.5°	4041.1	4038.0	3966.4	3761.2	3630.6	3503.1	3403.6	3285.4	3162.6	3078.6	3022.6
10°	4238.5	4215.2	4129.7	3862.3	3691.2	3545.1	3437.8	3307.2	3164.1	3050.6	2976.0
12.5°	4412.7	4383.1	4265.0	3955.6	3744.1	3563.7	3447.1	3339.8	3245.0	3150.1	3064.6
15°	4555.7	4520.0	4400.3	4042.6	3790.7	3552.9	3389.6	3305.6	3338.3	3380.3	3285.4
17.5°	4689.5	4652.1	4506.0	4106.4	3804.7	3486.0	3248.1	3212.3	3377.2	3568.4	3524.9
20°	4801.4	4759.4	4589.9	4137.5	3779.9	3358.5	3064.6	3126.8	3344.5	3573.1	3643.0
22.5°	4922.7	4888.5	4684.8	4182.6	3748.8	3182.8	2910.7	3063.1	3288.5	3489.1	3594.8
25°	5117.0	5075.1	4832.5	4261.9	3733.2	3018.0	2800.3	3000.9	3210.8	3392.7	3475.1
27.5°	5398.5	5320.7	5034.6	4400.3	3750.3	2862.5	2730.3	2924.7	3120.6	3276.1	3342.9
30°	5704.8	5611.5	5258.5	4543.3	3775.2	2767.6	2693.0	2837.6	2982.2	3137.7	3210.8
32.5°	6067.1	5984.7	5498.0	4650.6	3722.3	2724.1	2665.0	2742.8	2857.8	2982.2	3042.9
35°	6499.3	6351.6	5759.2	4737.7	3551.3	2660.4	2640.2	2638.6	2699.2	2820.5	2888.9
37.5°	6964.2	6805.6	6081.1	4830.9	3285.4	2559.3	2581.1	2515.8	2571.7	2668.1	2745.9
40°	7345.2	7178.8	6406.0	4958.4	2952.7	2400.7	2450.5	2380.5	2414.7	2514.2	2601.3
42.5°	7718.3	7541.1	6709.2	5103.0	2630.8	2245.2	2270.1	2243.7	2254.5	2358.7	2480.0
45°	8208.1	8009.1	7082.4	5205.7	2341.6	2122.4	2099.1	2054.0	2111.5	2246.8	2375.8
47.5°	9026.0	8788.1	7693.4	5272.5	2131.7	2052.4	1945.1	1918.7	1990.2	2141.0	2274.8
50°	9982.2	9777.0	8669.9	5269.4	1974.7	1993.3	1795.9	1772.5	1890.7	2043.1	2184.6
52.5°	10765.8	10557.5	9504.9	5113.9	1845.6	1867.4	1708.8	1643.5	1805.2	1946.7	2088.2
55°	11398.7	11163.9	9888.9	4464.0	1682.4	1666.8	1613.9	1494.2	1697.9	1850.3	1982.4
57.5°	11058.2	10778.3	9424.0	3394.3	1514.4	1416.5	1450.7	1362.1	1551.7	1743.0	1870.5
60°	9271.6	9019.7	7656.1	1806.7	1332.5	1183.2	1254.8	1268.8	1391.6	1613.9	1744.6
62.5°	6368.7	6185.2	5188.6	1096.2	1051.1	950.0	1062.0	1163.0	1254.8	1442.9	1556.4
65°	3115.9	3061.5	2595.1	702.8	735.4	768.1	880.1	1002.9	1138.2	1303.0	1422.7
67.5°	858.3	864.5	786.8	548.9	580.0	670.1	758.8	856.7	992.0	1144.4	1265.7
70°	377.8	384.1	396.5	422.9	482.0	564.4	656.2	757.2	881.6	1009.1	1125.7
72.5°	262.8	269.0	287.6	321.9	374.7	452.5	539.5	635.9	765.0	872.3	968.7
75°	161.7	166.4	183.5	213.0	248.8	307.9	393.4	482.0	595.5	693.5	779.0
77.5°	85.5	82.4	93.3	113.5	144.6	175.7	233.2	289.2	370.1	449.4	520.9
80°	46.6	45.1	51.3	62.2	71.5	96.4	135.3	172.6	219.2	264.3	303.2
82.5°	20.2	18.7	20.2	26.4	32.7	46.6	68.4	94.8	121.3	152.4	177.3
85°	0.0	0.0	0.0	1.6	7.8	12.4	23.3	34.2	49.8	68.4	84.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	14.0
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: P635730

CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1
2.5°	3268.3	3229.4	3226.3	3195.2	3198.3	3199.9	3168.8	3156.4	3167.2	3179.7	3173.5
5°	3125.3	3084.8	3067.7	3038.2	3035.1	3021.1	3008.7	2993.1	3004.0	3014.9	3021.1
7.5°	3000.9	2974.4	2963.6	2955.8	2958.9	2952.7	2927.8	2913.8	2912.3	2916.9	2923.1
10°	2960.5	2938.7	2952.7	2974.4	2990.0	3000.9	2974.4	2951.1	2929.4	2920.0	2920.0
12.5°	3047.5	3019.5	3047.5	3070.8	3101.9	3109.7	3080.2	3055.3	3047.5	3056.9	3075.5
15°	3240.3	3175.0	3173.5	3187.5	3212.3	3224.8	3196.8	3184.4	3184.4	3243.4	3290.1
17.5°	3433.1	3325.8	3280.8	3273.0	3288.5	3293.2	3269.9	3259.0	3287.0	3402.0	3489.1
20°	3568.4	3437.8	3339.8	3321.2	3325.8	3327.4	3308.7	3301.0	3341.4	3481.3	3554.4
22.5°	3554.4	3458.0	3338.3	3315.0	3322.7	3319.6	3302.5	3299.4	3332.1	3453.3	3487.5
25°	3458.0	3383.4	3282.3	3266.8	3279.2	3277.6	3260.5	3252.8	3266.8	3347.6	3350.7
27.5°	3347.6	3282.3	3195.2	3190.6	3210.8	3221.7	3192.1	3168.8	3164.1	3218.6	3206.1
30°	3215.4	3167.2	3097.3	3100.4	3137.7	3143.9	3108.2	3074.0	3064.6	3094.2	3077.1
32.5°	3058.4	3042.9	3005.5	3013.3	3049.1	3061.5	3024.2	2988.4	2977.6	2986.9	2951.1
35°	2924.7	2918.5	2921.6	2935.6	2966.7	2976.0	2944.9	2916.9	2901.4	2868.7	2822.1
37.5°	2786.3	2803.4	2848.5	2874.9	2892.0	2888.9	2871.8	2851.6	2826.7	2766.1	2708.6
40°	2657.3	2700.8	2781.6	2811.2	2817.4	2819.0	2806.5	2789.4	2758.3	2677.5	2612.2
42.5°	2557.7	2605.9	2713.2	2758.3	2761.4	2764.5	2752.1	2738.1	2694.6	2587.3	2523.5
45°	2453.6	2517.3	2643.3	2697.7	2694.6	2693.0	2682.1	2675.9	2624.6	2500.2	2430.2
47.5°	2364.9	2439.6	2574.8	2621.5	2619.9	2618.4	2610.6	2610.6	2559.3	2424.0	2344.7
50°	2277.9	2363.4	2504.9	2543.7	2546.9	2543.7	2540.6	2545.3	2484.7	2340.1	2262.3
52.5°	2183.0	2279.4	2427.1	2462.9	2481.6	2489.3	2489.3	2478.4	2406.9	2256.1	2170.6
55°	2078.8	2170.6	2341.6	2389.8	2405.4	2419.4	2419.4	2397.6	2330.7	2178.4	2086.6
57.5°	1949.8	2030.6	2165.9	2214.1	2251.4	2260.8	2260.8	2225.0	2170.6	2024.4	1949.8
60°	1809.9	1879.8	1971.6	2022.9	2050.9	2032.2	2046.2	2036.9	1993.3	1858.1	1795.9
62.5°	1623.3	1694.8	1795.9	1848.7	1861.2	1842.5	1861.2	1859.6	1800.5	1679.2	1604.6
65°	1489.6	1559.5	1659.0	1727.4	1747.7	1743.0	1755.4	1736.8	1663.7	1548.6	1477.1
67.5°	1331.0	1405.6	1520.7	1596.8	1638.8	1643.5	1660.6	1621.7	1547.1	1421.1	1331.0
70°	1180.1	1243.9	1332.5	1404.0	1463.1	1492.7	1495.8	1439.8	1346.5	1242.3	1177.0
72.5°	1021.5	1086.8	1194.1	1271.9	1346.5	1380.7	1380.7	1312.3	1211.2	1096.2	1026.2
75°	828.7	889.4	987.3	1071.3	1156.8	1200.4	1198.8	1139.7	1027.8	918.9	845.8
77.5°	561.3	606.4	668.6	732.3	744.8	779.0	796.1	721.5	659.3	600.2	534.9
80°	326.5	354.5	388.7	424.5	432.3	443.1	415.1	387.2	354.5	315.6	286.1
82.5°	191.2	209.9	227.0	255.0	259.7	262.8	237.9	225.5	199.0	175.7	157.0
85°	93.3	99.5	115.1	129.1	122.8	119.7	108.8	96.4	85.5	76.2	66.9
87.5°	18.7	18.7	28.0	26.4	21.8	18.7	10.9	14.0	3.1	3.1	0.0
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: P635730

CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1
2.5°	3193.7	3220.1	3252.8	3296.3	3346.1	3398.9	3450.2	3489.1	3528.0	3585.5	3576.2
5°	3030.4	3075.5	3126.8	3193.7	3274.5	3366.3	3468.9	3571.5	3681.9	3775.2	3815.6
7.5°	2935.6	2985.3	3046.0	3133.0	3237.2	3349.2	3493.8	3660.1	3838.9	3961.8	4038.0
10°	2935.6	2999.3	3078.6	3162.6	3254.3	3369.4	3548.2	3756.5	3986.7	4148.4	4237.0
12.5°	3105.1	3168.8	3185.9	3182.8	3234.1	3361.6	3591.7	3857.6	4132.8	4303.9	4412.7
15°	3369.4	3391.1	3262.1	3143.9	3151.7	3305.6	3611.9	3938.5	4258.8	4464.0	4582.2
17.5°	3546.6	3489.1	3259.0	3052.2	3008.7	3210.8	3611.9	4016.2	4392.5	4624.2	4734.5
20°	3560.6	3417.6	3179.7	2963.6	2851.6	3084.8	3587.1	4075.3	4521.5	4778.1	4896.3
22.5°	3437.8	3296.3	3095.7	2887.4	2722.6	2932.5	3546.6	4120.4	4631.9	4922.7	5068.8
25°	3297.9	3179.7	3010.2	2809.6	2633.9	2778.5	3509.3	4196.6	4785.9	5118.6	5266.3
27.5°	3161.0	3061.5	2907.6	2744.3	2584.2	2644.8	3486.0	4308.5	4969.3	5396.9	5524.4
30°	3027.3	2937.1	2797.2	2682.1	2557.7	2557.7	3465.8	4437.6	5211.9	5709.4	5836.9
32.5°	2892.0	2806.5	2693.0	2621.5	2542.2	2523.5	3409.8	4558.8	5462.2	6051.5	6182.1
35°	2766.1	2680.6	2593.5	2564.0	2534.4	2497.1	3271.4	4653.7	5706.3	6451.1	6563.1
37.5°	2647.9	2565.5	2500.2	2492.4	2495.5	2425.6	3053.7	4733.0	6011.1	6860.0	6919.1
40°	2545.3	2453.6	2402.3	2400.7	2416.3	2310.5	2778.5	4846.5	6359.4	7206.8	7181.9
42.5°	2453.6	2357.2	2295.0	2309.0	2299.6	2195.5	2509.5	4950.7	6662.6	7531.7	7482.0
45°	2363.4	2270.1	2183.0	2203.2	2192.4	2123.9	2281.0	5026.9	6998.4	7922.0	7928.2
47.5°	2276.3	2184.6	2097.5	2072.6	2071.1	2102.2	2105.3	5051.7	7545.7	8550.2	8408.7
50°	2195.5	2103.7	2013.5	1929.6	1962.2	2058.6	1974.7	5033.1	8365.1	9243.6	8848.7
52.5°	2111.5	2024.4	1924.9	1774.1	1859.6	1954.5	1858.1	4966.2	8865.8	9856.3	9619.9
55°	2015.1	1932.7	1797.4	1613.9	1718.1	1738.3	1738.3	4319.4	9078.8	10462.6	10608.8
57.5°	1886.0	1777.2	1562.6	1414.9	1508.2	1430.5	1610.8	3022.6	8727.4	10271.4	10838.9
60°	1739.9	1623.3	1396.3	1290.5	1318.5	1181.7	1372.9	1895.4	7233.2	8739.9	9722.5
62.5°	1547.1	1439.8	1251.7	1169.3	1111.7	964.0	1105.5	1198.8	4958.4	6490.0	7160.1
65°	1418.0	1299.9	1131.9	1023.1	904.9	775.9	733.9	786.8	2666.6	3632.2	4084.6
67.5°	1265.7	1149.0	990.4	853.6	758.8	665.5	592.4	573.7	914.3	1209.7	1309.2
70°	1121.1	1009.1	876.9	749.4	654.6	562.9	491.3	440.0	422.9	419.8	413.6
72.5°	973.3	869.2	758.8	640.6	536.4	452.5	388.7	329.6	304.8	297.0	289.2
75°	797.6	715.2	604.8	477.3	393.4	315.6	265.9	227.0	205.2	197.5	188.1
77.5°	513.1	475.8	379.4	307.9	237.9	188.1	161.7	136.8	122.8	119.7	111.9
80°	273.7	255.0	209.9	177.3	141.5	115.1	101.1	87.1	79.3	76.2	73.1
82.5°	152.4	138.4	116.6	102.6	82.4	70.0	62.2	56.0	51.3	49.8	48.2
85°	68.4	59.1	46.6	43.5	38.9	35.8	34.2	31.1	29.5	28.0	26.4
87.5°	3.1	6.2	7.8	6.2	6.2	9.3	10.9	10.9	9.3	9.3	7.8
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: P635730

CATALOG NUMBER: GWS-SA3E-735-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1	3405.1
2.5°	3633.7	3680.4	3685.0	3700.6	3680.4	3675.7	3643.0	3624.4	3607.3	3602.6
5°	3916.7	4010.0	4047.3	4073.7	4048.9	4036.4	3964.9	3890.3	3848.3	3828.1
7.5°	4207.4	4347.4	4420.5	4453.1	4456.2	4400.3	4277.4	4137.5	4067.5	4041.1
10°	4467.1	4639.7	4736.1	4798.3	4776.5	4708.1	4540.2	4350.5	4261.9	4238.5
12.5°	4659.9	4824.7	4899.4	4939.8	4938.2	4900.9	4742.3	4537.1	4436.0	4412.7
15°	4784.3	4882.3	4886.9	4896.3	4922.7	4972.4	4890.0	4700.3	4588.4	4555.7
17.5°	4882.3	4843.4	4770.3	4745.4	4804.5	4942.9	4992.7	4838.7	4717.4	4689.5
20°	4944.5	4748.5	4619.5	4571.3	4639.7	4865.2	5054.8	4963.1	4837.2	4801.4
22.5°	4992.7	4659.9	4451.6	4418.9	4490.4	4781.2	5118.6	5110.8	4972.4	4922.7
25°	5068.8	4600.8	4333.4	4310.1	4376.9	4740.8	5204.1	5311.4	5188.6	5117.0
27.5°	5188.6	4594.6	4272.8	4265.0	4356.7	4776.5	5326.9	5605.3	5451.3	5398.5
30°	5354.9	4653.7	4286.7	4302.3	4414.2	4905.6	5518.2	5941.1	5787.2	5704.8
32.5°	5594.4	4812.3	4499.8	4566.6	4649.0	5112.4	5798.1	6305.0	6188.3	6067.1
35°	5910.0	5247.7	5129.5	5414.0	5336.3	5564.8	6135.5	6746.5	6605.0	6499.3
37.5°	6331.4	6140.1	6249.0	6640.8	6452.7	6420.0	6547.5	7147.7	7069.9	6964.2
40°	6922.2	6961.1	7161.7	7676.3	7404.2	7194.3	7052.8	7449.3	7475.8	7345.2
42.5°	7314.1	7492.9	7976.4	8561.1	8186.3	7684.1	7475.8	7834.9	7836.5	7718.3
45°	7460.2	7928.2	8938.9	9612.1	8985.5	7964.0	7709.0	8358.9	8343.4	8208.1
47.5°	7407.3	8295.2	9938.7	10968.0	10011.7	8163.0	7676.3	9105.3	9231.2	9026.0
50°	7297.0	8663.7	11106.4	12628.6	11271.2	8374.5	7626.6	9932.4	10140.8	9982.2
52.5°	7408.9	9074.2	12487.1	14345.1	12850.9	8711.9	7962.4	10994.4	10957.1	10765.8
55°	7763.4	9559.3	14164.8	16501.7	14586.1	9282.5	8825.4	12006.6	11627.2	11398.7
57.5°	7746.3	9906.0	15635.7	18207.4	16095.9	9750.5	9125.5	12113.9	11347.4	11058.2
60°	7031.1	9747.4	16195.4	19286.5	16551.5	9492.4	8138.1	10820.3	9574.8	9271.6
62.5°	5247.7	8649.7	15110.1	17935.3	15262.5	8198.8	6119.9	7766.5	6880.3	6368.7
65°	3356.9	6766.7	12703.2	14530.2	12580.4	6270.7	3644.6	4163.9	3262.1	3115.9
67.5°	1428.9	4776.5	9874.9	9711.7	9411.6	4062.8	1407.1	1172.4	873.8	858.3
70°	472.7	3249.7	6087.3	6477.5	5620.8	2798.7	464.9	393.4	391.8	377.8
72.5°	309.4	1744.6	3426.9	3815.6	3616.6	1610.8	281.4	262.8	269.0	262.8
75°	185.0	379.4	576.9	749.4	576.9	270.5	169.5	166.4	169.5	161.7
77.5°	108.8	105.7	102.6	102.6	101.1	93.3	85.5	82.4	84.0	85.5
80°	70.0	66.9	63.7	62.2	54.4	51.3	48.2	45.1	45.1	46.6
82.5°	45.1	42.0	38.9	34.2	28.0	23.3	21.8	18.7	18.7	20.2
85°	23.3	18.7	14.0	10.9	6.2	3.1	0.0	0.0	0.0	0.0
87.5°	4.7	0.0	0.0	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)