

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: P640682

Luminaire Tested: GWS-SA5E-735-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640682  
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-SA5E-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**

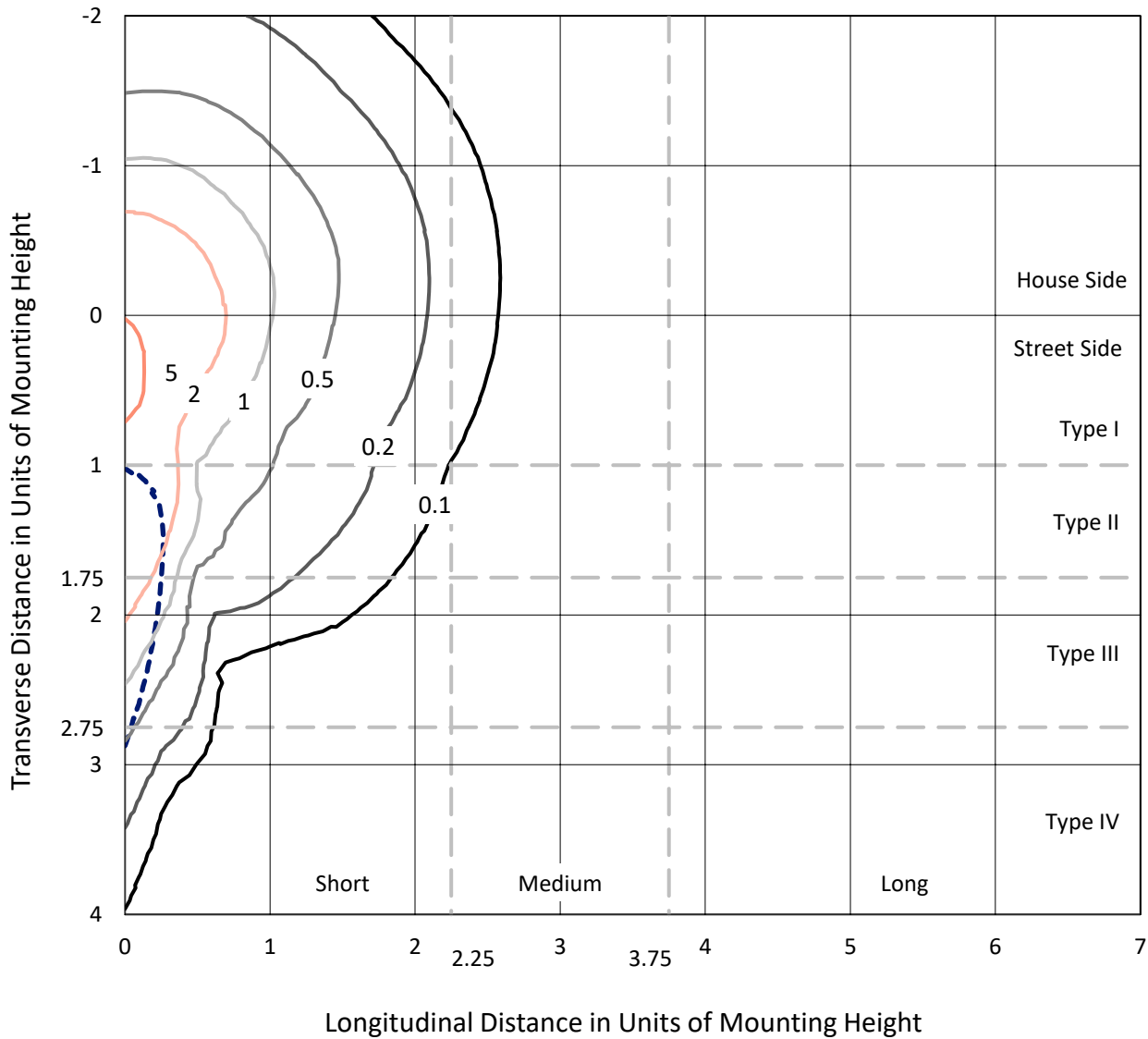
Lumens per Lamp: N/A  
Luminaire Lumens: 34702.3 lumens  
Efficiency: N/A  
Efficacy: 128.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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: P640682  
 CATALOG NUMBER: GWS-SA5E-735-U-SLL-W

### Iso-Footcandle Lines of Horizontal Illumination

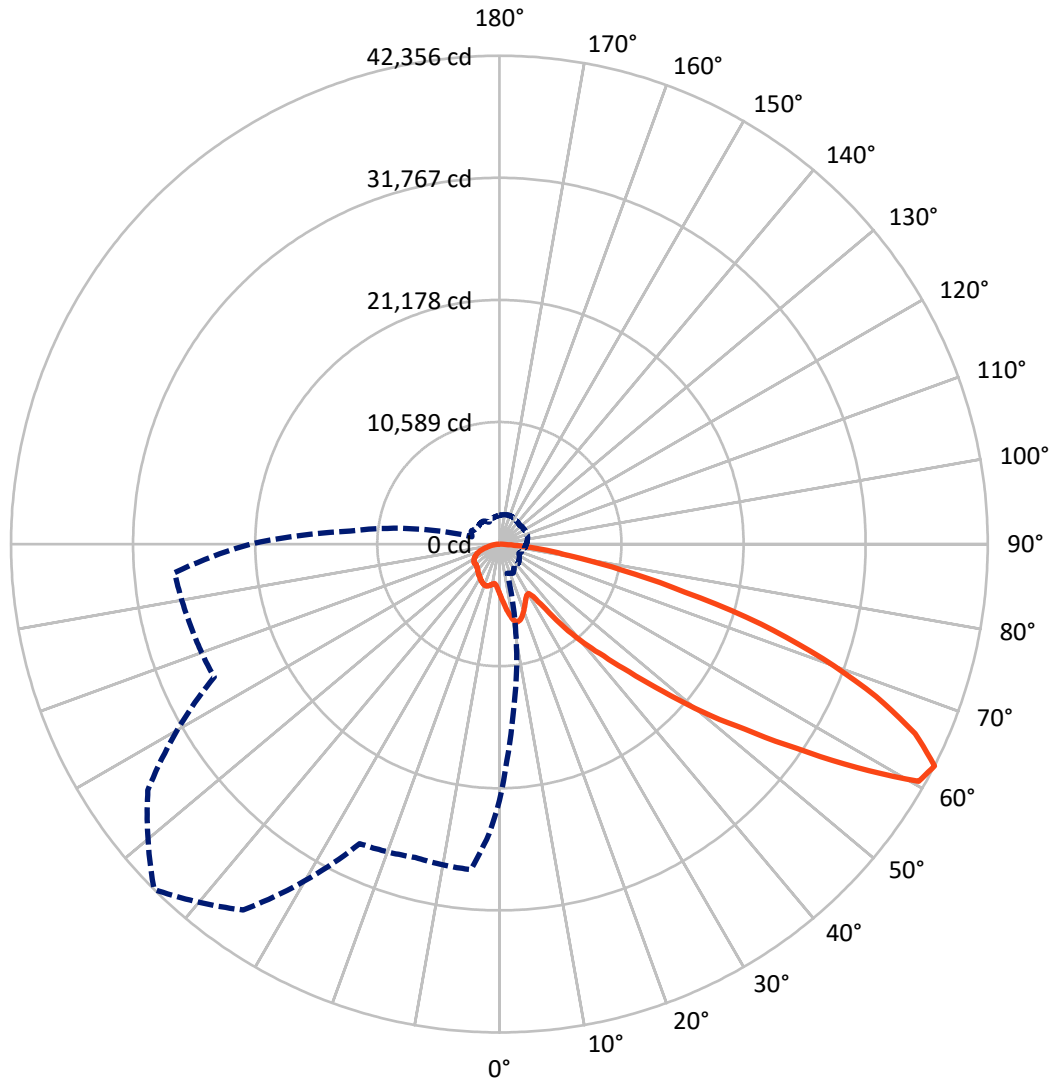
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P640682  
CATALOG NUMBER: GWS-SA5E-735-U-SLL-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P640682

CATALOG NUMBER: GWS-SA5E-735-U-SLL-W

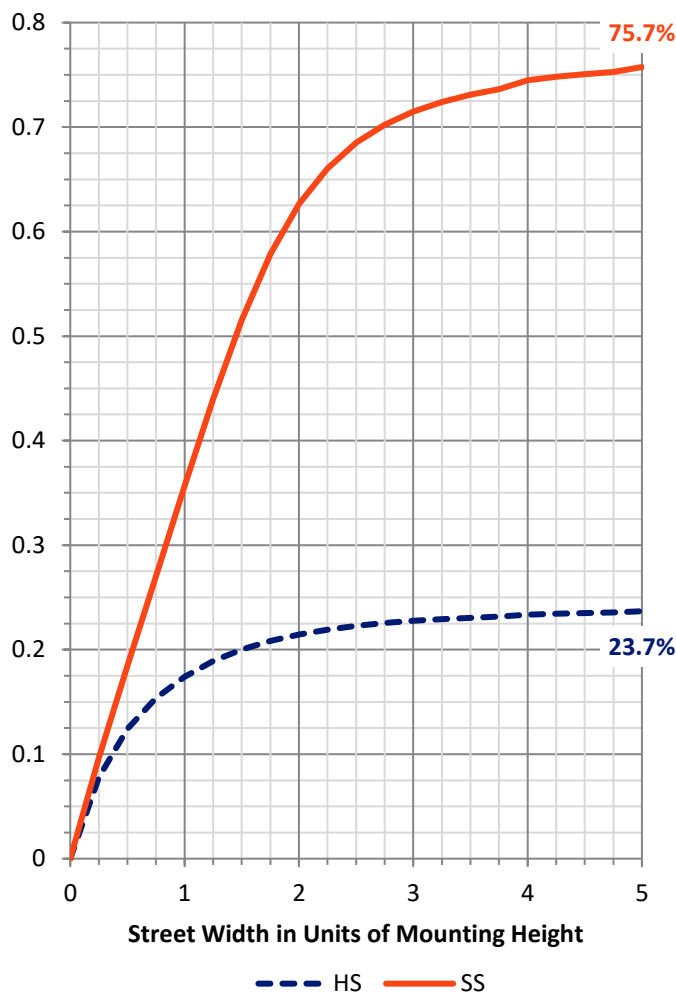
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8297.4	0.0	8297.4
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	26404.9	0.0	26404.9
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	34702.3	0.0	34702.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	426.2	1.2
10°-20°	1385.3	4.0
20°-30°	2180.7	6.3
30°-40°	2989.1	8.6
40°-50°	4664.0	13.4
50°-60°	8041.6	23.2
60°-70°	9319.2	26.9
70°-80°	4919.1	14.2
80°-90°	777.1	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°	34702.3	100.0
0°-180°	34702.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P640682

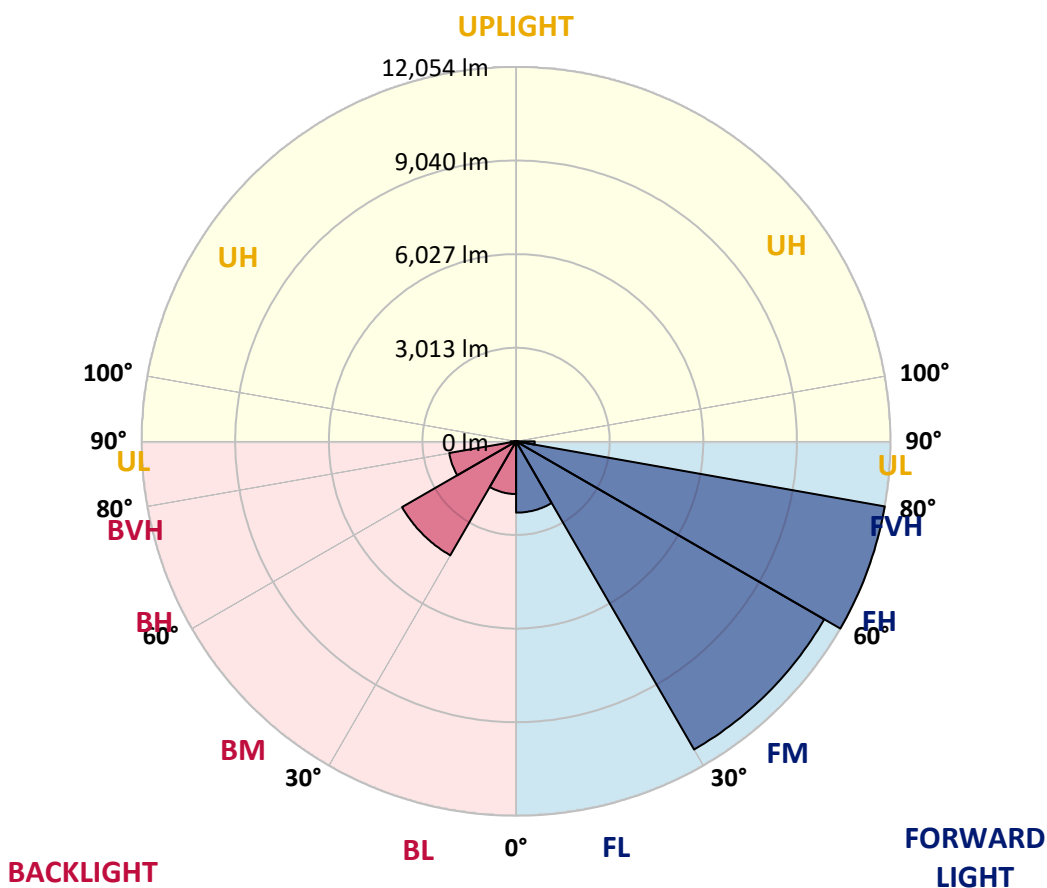
CATALOG NUMBER: GWS-SA5E-735-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2295.1	6.6			
FM (30°-60°)	11456.4	33.0			
FH (60°-80°)	12053.6	34.7			G5
FVH (80°-90°)	599.8	1.7			G4/750
BL (0°-30°)	1697.1	4.9	B3/2500		
BM (30°-60°)	4238.2	12.2	B3/5000		
BH (60°-80°)	2184.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	177.3	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-G5**

Type III Short





REPORT NUMBER: P640682  
 CATALOG NUMBER: GWS-SA5E-735-U-SLL-W

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7
2.5°	4700.9	4682.3	4655.8	4565.6	4509.8	4446.1	4379.7	4302.8	4215.2	4154.1	4093.1
5°	5099.1	5069.9	5006.2	4791.2	4642.5	4480.6	4345.2	4191.3	4040.0	3936.5	3832.9
7.5°	5481.3	5444.2	5345.9	5016.8	4775.3	4541.7	4337.3	4114.3	3888.7	3734.7	3612.6
10°	5863.6	5786.6	5661.8	5231.8	4913.3	4642.5	4408.9	4135.5	3835.6	3625.9	3495.8
12.5°	6155.5	6083.9	5948.5	5428.2	5051.3	4711.5	4448.8	4196.6	3941.8	3718.8	3586.1
15°	6428.9	6336.0	6182.1	5611.4	5165.4	4708.9	4369.1	4148.8	4111.7	4055.9	3883.4
17.5°	6625.4	6540.4	6381.2	5760.0	5229.2	4626.6	4148.8	4018.7	4186.0	4355.9	4191.3
20°	6797.9	6699.7	6537.8	5863.6	5242.4	4443.5	3880.7	3883.4	4146.2	4379.7	4339.9
22.5°	6943.9	6835.1	6691.7	5980.3	5237.1	4188.6	3647.1	3806.4	4069.2	4252.3	4257.6
25°	7124.4	7034.1	6914.7	6152.9	5237.1	3928.5	3477.3	3713.5	3939.1	4093.1	4087.8
27.5°	7344.7	7283.7	7185.4	6415.7	5284.9	3710.8	3381.7	3594.0	3771.9	3904.6	3902.0
30°	7591.6	7535.8	7461.5	6694.4	5367.2	3548.9	3328.6	3445.4	3575.5	3681.6	3681.6
32.5°	7843.7	7822.5	7742.9	6917.3	5303.5	3498.5	3283.5	3296.8	3365.8	3453.4	3445.4
35°	8194.1	8172.9	8072.0	7089.9	5027.4	3426.8	3211.8	3145.5	3153.4	3209.2	3227.7
37.5°	8706.4	8674.6	8525.9	7291.6	4610.7	3246.3	3095.0	2986.2	2962.3	2986.2	3020.7
40°	9324.9	9277.1	9075.4	7565.0	4130.2	3002.1	2911.9	2821.6	2781.8	2789.8	2829.6
42.5°	10100.0	9999.1	9709.8	7854.3	3655.1	2787.1	2707.5	2651.7	2606.6	2601.3	2678.3
45°	11358.1	11082.1	10622.9	8111.8	3254.3	2673.0	2524.3	2484.5	2447.3	2468.6	2558.8
47.5°	13556.0	13046.3	12151.8	8332.1	3010.1	2675.6	2378.3	2335.9	2333.2	2375.7	2476.5
50°	16576.7	15841.4	14461.1	8480.8	2882.7	2707.5	2290.7	2221.7	2272.2	2314.6	2410.2
52.5°	19470.0	18347.2	16704.1	8478.1	2826.9	2712.8	2314.6	2115.6	2272.2	2282.8	2373.0
55°	21941.2	19907.9	17309.3	7607.5	2747.3	2691.6	2407.5	2033.3	2243.0	2282.8	2354.4
57.5°	23905.5	20900.7	17264.2	6144.9	2988.8	2574.8	2463.3	2014.7	2158.0	2288.1	2370.4
60°	23687.8	20446.8	16152.0	3771.9	2965.0	2367.7	2455.3	2049.2	2014.7	2216.4	2351.8
62.5°	22241.1	18819.6	14238.2	2617.2	2784.5	2248.3	2325.2	2110.2	1882.0	2112.9	2261.5
65°	20215.8	16720.0	11865.1	2006.7	2306.7	2253.6	2104.9	2067.8	1765.2	1948.3	2107.6
67.5°	17537.6	14116.1	9367.3	1590.0	1608.6	1951.0	1911.2	1836.8	1656.3	1802.3	1945.7
70°	13184.4	10301.7	6444.9	1279.4	1218.4	1629.8	1717.4	1651.0	1550.2	1592.6	1743.9
72.5°	9290.4	6726.2	3530.3	1014.0	939.7	1252.9	1491.8	1481.2	1369.7	1401.5	1550.2
75°	6904.1	4759.3	2205.8	801.6	764.5	897.2	1250.2	1282.1	1189.2	1226.3	1340.5
77.5°	4594.8	3081.7	1226.3	594.6	594.6	655.6	931.7	1080.3	1011.3	1040.5	1120.2
80°	2534.9	1568.7	613.2	390.2	400.8	451.2	679.5	777.7	780.4	852.1	873.3
82.5°	801.6	499.0	273.4	228.3	215.0	257.5	438.0	557.4	520.3	663.6	610.5
85°	183.2	116.8	50.4	50.4	55.7	84.9	167.2	297.3	379.6	456.6	331.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	116.8	172.5	154.0
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: P640682  
 CATALOG NUMBER: GWS-SA5E-735-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7
2.5°	4055.9	4002.8	3986.9	3941.8	3936.5	3894.0	3878.1	3878.1	3896.6	3896.6	3915.2
5°	3790.5	3724.1	3686.9	3633.9	3620.6	3588.7	3567.5	3570.2	3594.0	3610.0	3641.8
7.5°	3556.9	3511.8	3485.2	3461.3	3456.0	3450.7	3426.8	3424.2	3432.1	3456.0	3479.9
10°	3458.7	3426.8	3434.8	3453.4	3482.6	3498.5	3477.3	3466.6	3458.7	3474.6	3495.8
12.5°	3554.2	3522.4	3538.3	3570.2	3610.0	3625.9	3617.9	3615.3	3623.2	3684.3	3729.4
15°	3763.9	3702.9	3681.6	3694.9	3726.8	3742.7	3734.7	3745.3	3795.8	3955.0	4069.2
17.5°	4024.1	3875.4	3790.5	3766.6	3779.9	3793.1	3793.1	3819.7	3907.3	4140.9	4284.2
20°	4164.7	3971.0	3827.6	3769.2	3774.5	3787.8	3787.8	3825.0	3923.2	4172.7	4265.6
22.5°	4127.6	3949.7	3774.5	3710.8	3713.5	3724.1	3724.1	3756.0	3843.6	4063.9	4106.3
25°	3981.6	3825.0	3652.4	3596.7	3602.0	3620.6	3615.3	3633.9	3700.2	3880.7	3904.6
27.5°	3806.4	3668.4	3498.5	3456.0	3479.9	3517.1	3485.2	3487.9	3548.9	3700.2	3702.9
30°	3617.9	3503.8	3352.5	3320.6	3365.8	3384.3	3355.2	3355.2	3416.2	3519.7	3517.1
32.5°	3413.5	3341.9	3233.0	3198.5	3249.0	3278.2	3241.0	3246.3	3294.1	3363.1	3336.6
35°	3222.4	3185.3	3134.8	3110.9	3142.8	3169.3	3145.5	3156.1	3201.2	3219.8	3182.6
37.5°	3039.3	3034.0	3039.3	3039.3	3047.2	3055.2	3039.3	3065.8	3105.6	3081.7	3039.3
40°	2880.0	2901.2	2951.7	2938.4	2930.4	2938.4	2927.8	2972.9	3012.7	2970.3	2919.8
42.5°	2747.3	2787.1	2864.1	2864.1	2848.2	2853.5	2848.2	2903.9	2933.1	2874.7	2819.0
45°	2633.2	2691.6	2789.8	2803.0	2776.5	2776.5	2787.1	2856.1	2866.7	2787.1	2728.7
47.5°	2553.5	2625.2	2736.7	2760.6	2720.8	2718.1	2747.3	2821.6	2821.6	2728.7	2662.4
50°	2497.8	2577.4	2710.1	2742.0	2702.2	2691.6	2739.3	2811.0	2795.1	2683.6	2617.2
52.5°	2460.6	2542.9	2707.5	2752.6	2726.1	2715.4	2763.2	2813.7	2773.8	2654.4	2585.4
55°	2436.7	2527.0	2715.4	2752.6	2723.4	2704.8	2752.6	2797.7	2776.5	2638.5	2572.1
57.5°	2450.0	2540.3	2704.8	2723.4	2688.9	2657.0	2712.8	2776.5	2768.5	2643.8	2577.4
60°	2428.8	2511.1	2646.4	2651.7	2593.3	2542.9	2625.2	2720.8	2720.8	2625.2	2566.8
62.5°	2330.6	2412.8	2532.3	2537.6	2471.2	2415.5	2511.1	2625.2	2622.5	2545.6	2484.5
65°	2168.6	2245.6	2381.0	2394.3	2327.9	2269.5	2367.7	2473.9	2481.9	2412.8	2359.8
67.5°	1990.8	2059.8	2160.7	2213.8	2158.0	2097.0	2187.2	2288.1	2285.4	2203.1	2147.4
70°	1778.4	1842.1	1935.1	1980.2	1945.7	1887.3	1969.6	2022.6	1998.8	1958.9	1921.8
72.5°	1568.7	1629.8	1717.4	1717.4	1680.2	1624.5	1648.4	1743.9	1773.1	1743.9	1720.0
75°	1348.4	1401.5	1462.6	1475.8	1393.6	1292.7	1404.2	1486.5	1521.0	1507.7	1478.5
77.5°	1122.8	1162.6	1252.9	1229.0	1075.0	1021.9	1112.2	1234.3	1258.2	1250.2	1210.4
80°	865.3	889.2	984.8	937.0	817.6	783.0	822.9	918.4	923.7	897.2	846.8
82.5°	581.3	613.2	676.9	584.0	581.3	549.5	517.6	528.2	576.0	570.7	536.2
85°	297.3	313.2	374.3	350.4	299.9	260.1	246.9	262.8	236.2	215.0	185.8
87.5°	124.8	135.4	185.8	103.5	31.9	0.0	0.0	15.9	23.9	34.5	37.2
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: P640682  
 CATALOG NUMBER: GWS-SA5E-735-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7
2.5°	3957.7	3986.9	4058.6	4148.8	4236.4	4326.7	4424.9	4485.9	4560.2	4655.8	4658.5
5°	3681.6	3748.0	3851.5	3989.6	4132.9	4297.5	4488.6	4647.8	4839.0	4990.3	5051.3
7.5°	3511.8	3607.3	3737.4	3912.6	4101.0	4305.4	4554.9	4823.0	5136.2	5338.0	5457.4
10°	3527.7	3673.7	3803.7	3952.4	4122.3	4342.6	4663.8	5019.5	5404.3	5669.8	5818.4
12.5°	3811.7	3965.7	3941.8	3933.8	4047.9	4316.0	4751.4	5218.5	5688.4	5953.8	6131.6
15°	4170.0	4228.4	4002.8	3832.9	3902.0	4220.5	4799.1	5396.4	5924.6	6248.4	6423.6
17.5°	4353.2	4236.4	3963.0	3708.2	3689.6	4074.5	4823.0	5576.9	6190.0	6513.9	6699.7
20°	4268.3	4098.4	3867.4	3625.9	3493.2	3875.4	4809.8	5720.2	6431.6	6792.6	6943.9
22.5°	4085.1	3936.5	3756.0	3525.0	3333.9	3657.8	4775.3	5863.6	6646.6	7010.2	7143.0
25°	3886.0	3774.5	3625.9	3424.2	3243.7	3466.6	4751.4	6054.7	6893.5	7241.2	7326.1
27.5°	3686.9	3604.7	3482.6	3326.0	3222.4	3333.9	4759.3	6304.2	7212.0	7541.1	7506.6
30°	3490.5	3418.9	3333.9	3264.9	3219.8	3302.1	4738.1	6569.6	7562.4	7867.6	7663.2
32.5°	3304.7	3238.4	3185.3	3195.9	3222.4	3315.3	4629.3	6811.2	7883.5	8143.7	7833.1
35°	3145.5	3076.4	3076.4	3113.6	3211.8	3270.2	4347.9	6999.6	8239.2	8499.4	8074.7
37.5°	2996.8	2935.8	2975.6	3036.6	3129.5	3148.1	3986.9	7182.8	8756.8	9001.0	8448.9
40°	2866.7	2805.7	2877.4	2954.3	3002.1	2994.2	3620.6	7437.6	9367.3	9619.5	8945.3
42.5°	2763.2	2707.5	2771.2	2869.4	2877.4	2885.3	3352.5	7681.8	10076.1	10397.3	9800.0
45°	2678.3	2638.5	2670.3	2768.5	2768.5	2890.6	3185.3	7886.2	11143.1	11711.2	11368.8
47.5°	2611.9	2588.0	2604.0	2635.8	2688.9	2986.2	3079.1	8042.8	13086.2	14201.0	13855.9
50°	2574.8	2550.9	2572.1	2505.7	2665.0	3034.0	3044.6	8162.3	15647.6	17394.2	16966.9
52.5°	2542.9	2534.9	2548.2	2394.3	2718.1	3002.1	3018.0	8003.0	17365.0	20537.0	20959.1
55°	2532.3	2537.6	2473.9	2312.0	2781.8	2895.9	2938.4	6864.3	17832.2	23247.2	25867.0
57.5°	2537.6	2521.7	2359.8	2319.9	2784.5	2683.6	3052.6	4897.4	17152.7	24425.7	30668.8
60°	2519.0	2439.4	2221.7	2391.6	2662.4	2434.1	2970.3	3193.2	15361.0	23520.6	30947.6
62.5°	2436.7	2319.9	2102.3	2431.4	2444.7	2285.4	2696.9	2460.6	12972.0	21582.9	28261.3
65°	2317.3	2160.7	2001.4	2349.1	2224.4	2216.4	2028.0	1972.2	10431.8	19276.2	25713.1
67.5°	2120.9	1964.2	1927.1	2160.7	2001.4	1964.2	1629.8	1635.1	8324.2	16818.2	23151.6
70°	1897.9	1741.3	1770.5	1953.6	1781.1	1632.5	1319.2	1361.7	6314.8	14012.5	19698.2
72.5°	1751.9	1542.2	1544.9	1720.0	1566.1	1321.9	1085.6	1122.8	4008.1	10561.8	15660.9
75°	1478.5	1359.0	1300.7	1393.6	1329.9	1029.9	913.1	905.1	2375.7	7570.3	11727.1
77.5°	1234.3	1141.4	1112.2	1149.4	992.7	761.8	735.3	722.0	1345.8	4849.6	7684.5
80°	894.5	870.6	868.0	886.6	764.5	560.1	560.1	562.7	724.6	2633.2	4332.0
82.5°	568.0	621.1	549.5	610.5	520.3	398.2	371.6	422.0	416.7	1122.8	1826.2
85°	236.2	323.8	302.6	321.2	246.9	217.7	233.6	252.2	241.5	432.7	711.4
87.5°	45.1	53.1	58.4	55.7	55.7	69.0	77.0	92.9	92.9	124.8	215.0
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: P640682  
 CATALOG NUMBER: GWS-SA5E-735-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7	4326.7
2.5°	4759.3	4836.3	4820.4	4854.9	4809.8	4825.7	4735.4	4711.5	4695.6	4700.9
5°	5247.7	5404.3	5433.5	5491.9	5452.1	5452.1	5292.9	5173.4	5130.9	5099.1
7.5°	5744.1	5969.7	6118.4	6134.3	6113.1	6070.6	5839.7	5624.7	5547.7	5481.3
10°	6184.7	6455.5	6622.7	6702.3	6662.5	6596.2	6309.5	6014.9	5921.9	5863.6
12.5°	6521.8	6760.7	6872.2	6925.3	6920.0	6896.1	6662.5	6344.0	6245.8	6155.5
15°	6739.5	6858.9	6816.5	6813.8	6851.0	6946.5	6874.9	6625.4	6511.2	6428.9
17.5°	6880.2	6766.0	6577.6	6490.0	6569.6	6795.2	6959.8	6819.1	6715.6	6625.4
20°	6930.6	6524.5	6251.1	6089.2	6182.1	6508.6	6914.7	6959.8	6872.2	6797.9
22.5°	6872.2	6229.9	5858.2	5667.1	5757.4	6147.6	6782.0	7074.0	7015.6	6943.9
25°	6728.9	5921.9	5476.0	5303.5	5401.7	5799.8	6545.7	7180.1	7182.8	7124.4
27.5°	6551.0	5637.9	5207.9	5046.0	5141.6	5513.2	6314.8	7273.0	7365.9	7344.7
30°	6370.5	5468.0	5080.5	4966.4	5038.0	5367.2	6078.6	7368.6	7554.4	7591.6
32.5°	6288.3	5550.3	5380.5	5430.9	5338.0	5452.1	5993.6	7504.0	7782.7	7843.7
35°	6397.1	6280.3	6710.3	6909.4	6580.2	6147.6	6102.4	7708.4	8103.9	8194.1
37.5°	6925.3	7843.7	8486.1	9186.8	8616.2	7663.2	6641.3	8056.1	8563.1	8706.4
40°	8074.7	9208.1	10368.1	11273.2	10410.5	9128.5	7665.9	8573.7	9194.8	9324.9
42.5°	9157.7	10487.5	12085.4	13256.0	12135.9	10325.6	8770.1	9444.3	10028.3	10100.0
45°	10219.4	11743.0	14163.8	15791.0	14270.0	11464.3	9898.2	10914.9	11355.5	11358.1
47.5°	11464.3	13157.8	16770.4	19087.7	17102.2	12725.2	10957.3	13242.8	13855.9	13556.0
50°	12953.4	14564.6	19454.0	22923.3	20555.6	14275.3	12303.1	16080.3	16916.4	16576.7
52.5°	14946.9	16114.8	22411.0	26663.4	24319.5	16040.5	14254.1	19828.3	20104.4	19470.0
55°	17752.6	18352.5	26206.8	31282.0	28521.4	18214.4	17107.6	24531.9	23759.5	21941.2
57.5°	24141.7	21893.4	31080.3	36551.0	33275.5	22164.2	23361.3	29718.6	26971.3	23905.5
60°	29487.6	26193.5	35590.1	41780.1	37349.9	26517.4	29232.8	30621.1	26851.8	23687.8
62.5°	27685.3	27289.8	37217.2	42356.1	38740.8	28659.5	28141.9	28346.2	25099.9	22241.1
65°	24290.3	25174.2	35765.3	39624.8	37198.6	26740.3	25455.6	26244.0	23095.9	20215.8
67.5°	22286.3	22936.6	33182.5	35253.0	34395.6	24664.6	23366.6	22795.9	19984.9	17537.6
70°	20237.1	20775.9	29556.7	29766.3	30023.8	21213.9	19106.3	17407.5	14896.4	13184.4
72.5°	17487.1	17516.3	24972.5	23756.8	24245.2	16600.6	15379.5	13014.5	10843.2	9290.4
75°	14670.8	13869.2	19767.3	16605.9	17585.3	12913.6	12770.3	9808.0	8178.2	6904.1
77.5°	11185.6	10248.6	14439.9	10920.2	12350.9	8600.2	9600.9	6651.9	5754.7	4594.8
80°	7509.3	6925.3	7979.1	6163.5	8080.0	5927.3	6261.7	3769.2	3267.6	2534.9
82.5°	3960.4	3381.7	4931.9	3655.1	4873.5	3256.9	2349.1	1165.3	992.7	801.6
85°	1534.2	1775.8	2418.2	1300.7	1889.9	1162.6	679.5	289.3	241.5	183.2
87.5°	297.3	459.2	252.2	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)