

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: P640792

Luminaire Tested: GWS-SA5E-750-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640792  
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-750-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

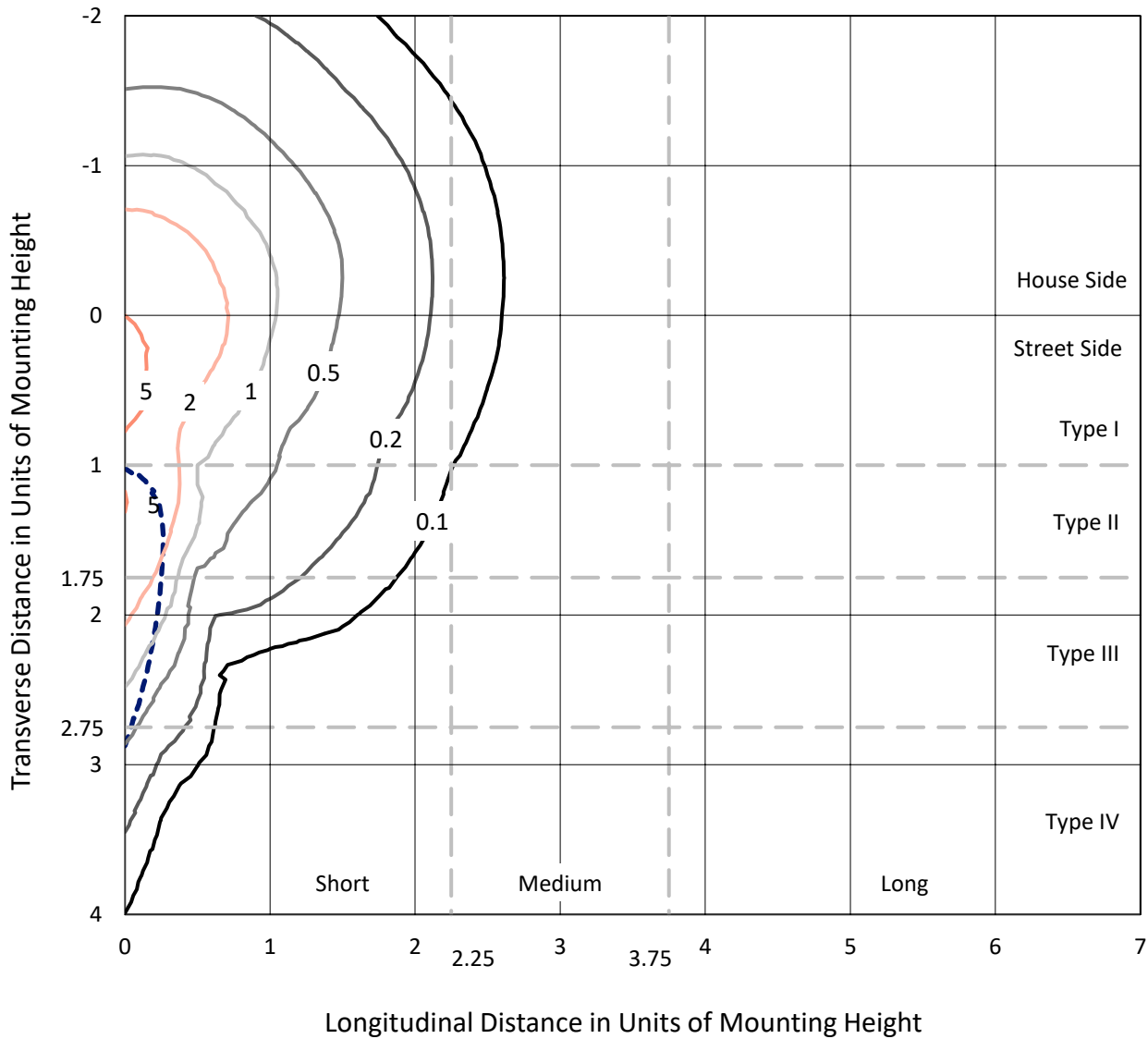
Lumens per Lamp: N/A  
Luminaire Lumens: 35990.8 lumens  
Efficiency: N/A  
Efficacy: 133.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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: P640792  
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### Iso-Footcandle Lines of Horizontal Illumination

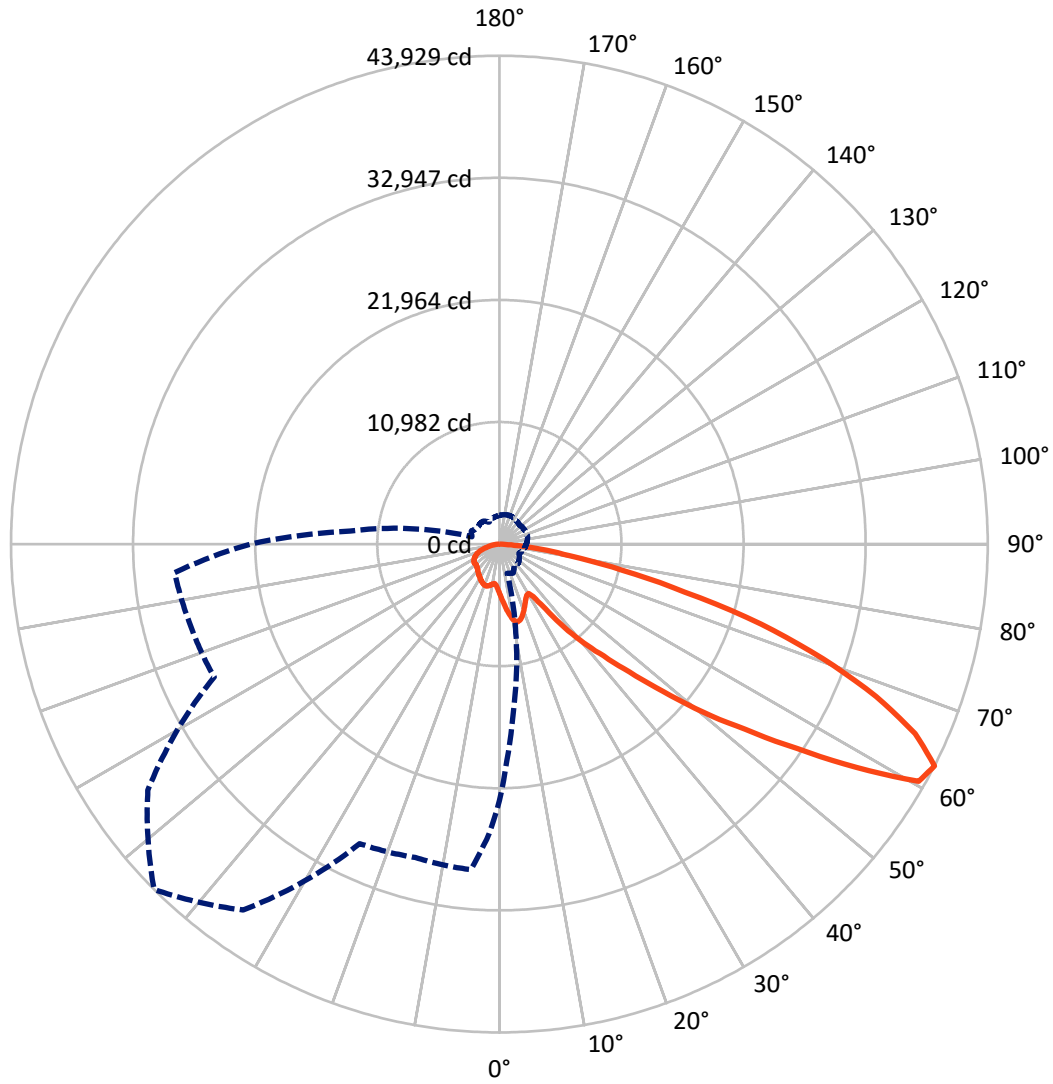
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P640792  
CATALOG NUMBER: GWS-SA5E-750-U-SLL-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P640792

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8605.4	0.0	8605.4
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	27385.4	0.0	27385.4
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	35990.8	0.0	35990.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	442.1	1.2
10°-20°	1436.7	4.0
20°-30°	2261.7	6.3
30°-40°	3100.1	8.6
40°-50°	4837.1	13.4
50°-60°	8340.2	23.2
60°-70°	9665.2	26.9
70°-80°	5101.7	14.2
80°-90°	805.9	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°	35990.8	100.0
0°-180°	35990.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P640792

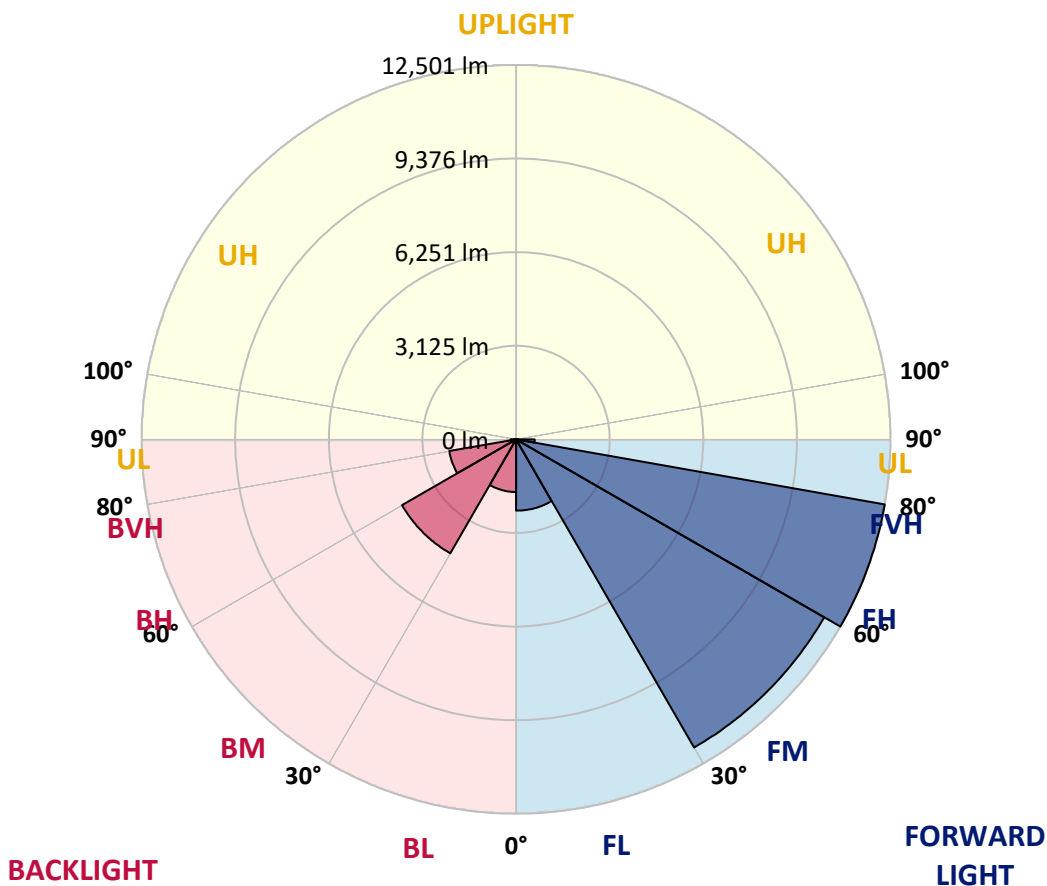
CATALOG NUMBER: GWS-SA5E-750-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2380.4	6.6			
FM (30°-60°)	11881.8	33.0			
FH (60°-80°)	12501.1	34.7			G5
FVH (80°-90°)	622.0	1.7			G4/750
BL (0°-30°)	1760.1	4.9	B3/2500		
BM (30°-60°)	4395.6	12.2	B3/5000		
BH (60°-80°)	2265.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	183.9	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-G5**

Type III Short





REPORT NUMBER: P640792  
 CATALOG NUMBER: GWS-SA5E-750-U-SLL-W

**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3
2.5°	4875.5	4856.2	4828.7	4735.1	4677.3	4611.2	4542.4	4462.5	4371.7	4308.4	4245.0
5°	5288.4	5258.1	5192.1	4969.1	4814.9	4647.0	4506.6	4346.9	4190.0	4082.6	3975.3
7.5°	5684.8	5646.3	5544.4	5203.1	4952.6	4710.3	4498.3	4267.1	4033.1	3873.4	3746.8
10°	6081.3	6001.4	5872.0	5426.1	5095.7	4814.9	4572.6	4289.1	3978.0	3760.5	3625.6
12.5°	6384.1	6309.8	6169.4	5629.8	5238.9	4886.5	4613.9	4352.4	4088.1	3856.9	3719.2
15°	6667.6	6571.3	6411.6	5819.7	5357.2	4883.7	4531.4	4302.9	4264.3	4206.5	4027.6
17.5°	6871.4	6783.3	6618.1	5973.9	5423.3	4798.4	4302.9	4168.0	4341.4	4517.6	4346.9
20°	7050.3	6948.4	6780.5	6081.3	5437.1	4608.4	4024.8	4027.6	4300.1	4542.4	4501.1
22.5°	7201.7	7088.8	6940.2	6202.4	5431.6	4344.2	3782.6	3947.7	4220.3	4410.2	4415.7
25°	7388.9	7295.3	7171.4	6381.3	5431.6	4074.4	3606.4	3851.4	4085.4	4245.0	4239.5
27.5°	7617.4	7554.1	7452.2	6653.9	5481.1	3848.6	3507.3	3727.5	3911.9	4049.6	4046.8
30°	7873.4	7815.6	7738.5	6942.9	5566.5	3680.7	3452.2	3573.3	3708.2	3818.3	3818.3
32.5°	8135.0	8112.9	8030.4	7174.2	5500.4	3628.4	3405.4	3419.2	3490.7	3581.6	3573.3
35°	8498.4	8476.3	8371.7	7353.1	5214.1	3554.1	3331.1	3262.2	3270.5	3328.3	3347.6
37.5°	9029.7	8996.6	8842.5	7562.4	4781.9	3366.9	3209.9	3097.1	3072.3	3097.1	3132.9
40°	9671.1	9621.6	9412.3	7845.9	4283.6	3113.6	3020.0	2926.4	2885.1	2893.3	2934.6
42.5°	10475.0	10370.4	10070.3	8146.0	3790.8	2890.6	2808.0	2750.2	2703.4	2697.9	2777.7
45°	11779.9	11493.6	11017.3	8413.0	3375.1	2772.2	2618.1	2576.8	2538.2	2560.2	2653.8
47.5°	14059.3	13530.7	12603.0	8641.5	3121.8	2775.0	2466.6	2422.6	2419.8	2463.9	2568.5
50°	17192.2	16429.6	14998.1	8795.7	2989.7	2808.0	2375.8	2304.2	2356.5	2400.6	2499.7
52.5°	20192.9	19028.4	17324.3	8792.9	2931.9	2813.5	2400.6	2194.1	2356.5	2367.5	2461.1
55°	22755.9	20647.1	17952.0	7890.0	2849.3	2791.5	2496.9	2108.8	2326.2	2367.5	2441.9
57.5°	24793.1	21676.7	17905.2	6373.1	3099.8	2670.4	2554.7	2089.5	2238.1	2373.0	2458.4
60°	24567.3	21206.0	16751.7	3911.9	3075.0	2455.6	2546.5	2125.3	2089.5	2298.7	2439.1
62.5°	23067.0	19518.4	14766.8	2714.4	2887.8	2331.7	2411.6	2188.6	1951.8	2191.3	2345.5
65°	20966.5	17340.8	12305.7	2081.2	2392.3	2337.3	2183.1	2144.5	1830.7	2020.7	2185.8
67.5°	18188.7	14640.2	9715.2	1649.0	1668.3	2023.4	1982.1	1905.0	1717.8	1869.3	2017.9
70°	13673.9	10684.2	6684.2	1326.9	1263.6	1690.3	1781.2	1712.3	1607.7	1651.8	1808.7
72.5°	9635.3	6976.0	3661.4	1051.6	974.5	1299.4	1547.2	1536.1	1420.5	1453.6	1607.7
75°	7160.4	4936.0	2287.7	831.4	792.8	930.5	1296.6	1329.7	1233.3	1271.9	1390.2
77.5°	4765.4	3196.2	1271.9	616.7	616.7	680.0	966.3	1120.5	1048.9	1079.2	1161.7
80°	2629.1	1627.0	635.9	404.7	415.7	468.0	704.8	806.6	809.4	883.7	905.7
82.5°	831.4	517.6	283.6	236.8	223.0	267.0	454.2	578.1	539.6	688.2	633.2
85°	190.0	121.1	52.3	52.3	57.8	88.1	173.4	308.3	393.7	473.5	344.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	121.1	178.9	159.7
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: P640792  
 CATALOG NUMBER: GWS-SA5E-750-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3
2.5°	4206.5	4151.4	4134.9	4088.1	4082.6	4038.6	4022.1	4022.1	4041.3	4041.3	4060.6
5°	3931.2	3862.4	3823.8	3768.8	3755.0	3722.0	3700.0	3702.7	3727.5	3744.0	3777.0
7.5°	3689.0	3642.2	3614.6	3589.8	3584.3	3578.8	3554.1	3551.3	3559.6	3584.3	3609.1
10°	3587.1	3554.1	3562.3	3581.6	3611.9	3628.4	3606.4	3595.4	3587.1	3603.6	3625.6
12.5°	3686.2	3653.2	3669.7	3702.7	3744.0	3760.5	3752.3	3749.5	3757.8	3821.1	3867.9
15°	3903.7	3840.4	3818.3	3832.1	3865.1	3881.7	3873.4	3884.4	3936.7	4101.9	4220.3
17.5°	4173.5	4019.3	3931.2	3906.4	3920.2	3934.0	3934.0	3961.5	4052.3	4294.6	4443.3
20°	4319.4	4118.4	3969.8	3909.2	3914.7	3928.5	3928.5	3967.0	4068.9	4327.6	4424.0
22.5°	4280.8	4096.4	3914.7	3848.6	3851.4	3862.4	3862.4	3895.4	3986.3	4214.8	4258.8
25°	4129.4	3967.0	3788.1	3730.2	3735.8	3755.0	3749.5	3768.8	3837.6	4024.8	4049.6
27.5°	3947.7	3804.6	3628.4	3584.3	3609.1	3647.7	3614.6	3617.4	3680.7	3837.6	3840.4
30°	3752.3	3633.9	3477.0	3443.9	3490.7	3510.0	3479.7	3479.7	3543.0	3650.4	3647.7
32.5°	3540.3	3466.0	3353.1	3317.3	3369.6	3399.9	3361.4	3366.9	3416.4	3488.0	3460.5
35°	3342.1	3303.5	3251.2	3226.5	3259.5	3287.0	3262.2	3273.3	3320.1	3339.3	3300.8
37.5°	3152.1	3146.6	3152.1	3152.1	3160.4	3168.6	3152.1	3179.7	3221.0	3196.2	3152.1
40°	2987.0	3009.0	3061.3	3047.5	3039.3	3047.5	3036.5	3083.3	3124.6	3080.6	3028.2
42.5°	2849.3	2890.6	2970.4	2970.4	2953.9	2959.4	2953.9	3011.7	3042.0	2981.4	2923.6
45°	2730.9	2791.5	2893.3	2907.1	2879.6	2879.6	2890.6	2962.2	2973.2	2890.6	2830.0
47.5°	2648.3	2722.7	2838.3	2863.1	2821.8	2819.0	2849.3	2926.4	2926.4	2830.0	2761.2
50°	2590.5	2673.1	2810.8	2843.8	2802.5	2791.5	2841.0	2915.4	2898.9	2783.2	2714.4
52.5°	2552.0	2637.3	2808.0	2854.8	2827.3	2816.3	2865.8	2918.1	2876.8	2752.9	2681.4
55°	2527.2	2620.8	2816.3	2854.8	2824.5	2805.3	2854.8	2901.6	2879.6	2736.4	2667.6
57.5°	2541.0	2634.6	2805.3	2824.5	2788.7	2755.7	2813.5	2879.6	2871.3	2741.9	2673.1
60°	2518.9	2604.3	2744.7	2750.2	2689.6	2637.3	2722.7	2821.8	2821.8	2722.7	2662.1
62.5°	2417.1	2502.4	2626.3	2631.8	2563.0	2505.2	2604.3	2722.7	2719.9	2640.1	2576.8
65°	2249.2	2329.0	2469.4	2483.2	2414.3	2353.8	2455.6	2565.7	2574.0	2502.4	2447.4
67.5°	2064.7	2136.3	2240.9	2296.0	2238.1	2174.8	2268.4	2373.0	2370.3	2284.9	2227.1
70°	1844.5	1910.5	2006.9	2053.7	2017.9	1957.3	2042.7	2097.7	2073.0	2031.7	1993.1
72.5°	1627.0	1690.3	1781.2	1781.2	1742.6	1684.8	1709.6	1808.7	1839.0	1808.7	1783.9
75°	1398.5	1453.6	1516.9	1530.6	1445.3	1340.7	1456.3	1541.7	1577.4	1563.7	1533.4
77.5°	1164.5	1205.8	1299.4	1274.6	1114.9	1059.9	1153.5	1280.1	1304.9	1296.6	1255.3
80°	897.5	922.2	1021.3	971.8	847.9	812.1	853.4	952.5	958.0	930.5	878.2
82.5°	602.9	635.9	702.0	605.6	602.9	569.9	536.8	547.8	597.4	591.9	556.1
85°	308.3	324.8	388.2	363.4	311.1	269.8	256.0	272.5	245.0	223.0	192.7
87.5°	129.4	140.4	192.7	107.4	33.0	0.0	0.0	16.5	24.8	35.8	38.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3
2.5°	4104.6	4134.9	4209.3	4302.9	4393.7	4487.3	4589.2	4652.5	4729.6	4828.7	4831.4
5°	3818.3	3887.2	3994.5	4137.7	4286.3	4457.0	4655.2	4820.4	5018.6	5175.5	5238.9
7.5°	3642.2	3741.3	3876.2	4057.8	4253.3	4465.3	4724.1	5002.1	5327.0	5536.2	5660.1
10°	3658.7	3810.1	3945.0	4099.1	4275.3	4503.8	4836.9	5205.8	5605.0	5880.3	6034.5
12.5°	3953.2	4112.9	4088.1	4079.9	4198.2	4476.3	4927.8	5412.3	5899.6	6174.9	6359.3
15°	4324.9	4385.4	4151.4	3975.3	4046.8	4377.2	4977.3	5596.7	6144.6	6480.4	6662.1
17.5°	4514.8	4393.7	4110.2	3845.9	3826.6	4225.8	5002.1	5783.9	6419.9	6755.7	6948.4
20°	4426.7	4250.6	4011.0	3760.5	3622.9	4019.3	4988.3	5932.6	6670.4	7044.8	7201.7
22.5°	4236.8	4082.6	3895.4	3655.9	3457.7	3793.6	4952.6	6081.3	6893.4	7270.5	7408.2
25°	4030.3	3914.7	3760.5	3551.3	3364.1	3595.4	4927.8	6279.5	7149.4	7510.0	7598.1
27.5°	3823.8	3738.5	3611.9	3449.4	3342.1	3457.7	4936.0	6538.3	7479.8	7821.1	7785.3
30°	3620.1	3545.8	3457.7	3386.1	3339.3	3424.7	4914.0	6813.5	7843.2	8159.7	7947.8
32.5°	3427.4	3358.6	3303.5	3314.6	3342.1	3438.4	4801.1	7064.1	8176.3	8446.0	8124.0
35°	3262.2	3190.7	3190.7	3229.2	3331.1	3391.6	4509.3	7259.5	8545.2	8814.9	8374.5
37.5°	3108.1	3044.8	3086.1	3149.4	3245.7	3265.0	4134.9	7449.5	9082.0	9335.3	8762.6
40°	2973.2	2909.9	2984.2	3064.0	3113.6	3105.3	3755.0	7713.8	9715.2	9976.7	9277.4
42.5°	2865.8	2808.0	2874.1	2975.9	2984.2	2992.5	3477.0	7967.0	10450.2	10783.3	10163.9
45°	2777.7	2736.4	2769.5	2871.3	2871.3	2998.0	3303.5	8179.0	11556.9	12146.0	11790.9
47.5°	2708.9	2684.1	2700.6	2733.7	2788.7	3097.1	3193.4	8341.4	13572.0	14728.3	14370.4
50°	2670.4	2645.6	2667.6	2598.8	2764.0	3146.6	3157.6	8465.3	16228.6	18040.1	17596.9
52.5°	2637.3	2629.1	2642.8	2483.2	2819.0	3113.6	3130.1	8300.1	18009.8	21299.6	21737.3
55°	2626.3	2631.8	2565.7	2397.8	2885.1	3003.5	3047.5	7119.1	18494.3	24110.3	26827.5
57.5°	2631.8	2615.3	2447.4	2406.1	2887.8	2783.2	3165.9	5079.2	17789.6	25332.6	31807.6
60°	2612.5	2530.0	2304.2	2480.4	2761.2	2524.5	3080.6	3311.8	15931.3	24393.9	32096.6
62.5°	2527.2	2406.1	2180.3	2521.7	2535.5	2370.3	2797.0	2552.0	13453.7	22384.2	29310.7
65°	2403.3	2240.9	2075.7	2436.4	2307.0	2298.7	2103.3	2045.4	10819.1	19991.9	26667.8
67.5°	2199.6	2037.2	1998.6	2240.9	2075.7	2037.2	1690.3	1695.8	8633.2	17442.7	24011.2
70°	1968.4	1805.9	1836.2	2026.2	1847.2	1693.1	1368.2	1412.3	6549.3	14532.8	20429.6
72.5°	1816.9	1599.5	1602.2	1783.9	1624.2	1371.0	1126.0	1164.5	4157.0	10954.0	16242.4
75°	1533.4	1409.5	1348.9	1445.3	1379.2	1068.1	947.0	938.8	2463.9	7851.4	12162.5
77.5°	1280.1	1183.8	1153.5	1192.0	1029.6	790.1	762.6	748.8	1395.7	5029.6	7969.8
80°	927.7	903.0	900.2	919.5	792.8	580.9	580.9	583.6	751.6	2730.9	4492.8
82.5°	589.1	644.2	569.9	633.2	539.6	412.9	385.4	437.7	432.2	1164.5	1894.0
85°	245.0	335.9	313.8	333.1	256.0	225.7	242.3	261.5	250.5	448.7	737.8
87.5°	46.8	55.1	60.6	57.8	57.8	71.6	79.8	96.4	96.4	129.4	223.0
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: P640792

CATALOG NUMBER: GWS-SA5E-750-U-SLL-W

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3	4487.3
2.5°	4936.0	5015.9	4999.4	5035.1	4988.3	5004.9	4911.3	4886.5	4870.0	4875.5
5°	5442.6	5605.0	5635.3	5695.9	5654.6	5654.6	5489.4	5365.5	5321.5	5288.4
7.5°	5957.4	6191.4	6345.5	6362.1	6340.0	6296.0	6056.5	5833.5	5753.7	5684.8
10°	6414.4	6695.2	6868.6	6951.2	6909.9	6841.1	6543.8	6238.2	6141.8	6081.3
12.5°	6764.0	7011.8	7127.4	7182.4	7176.9	7152.2	6909.9	6579.5	6477.7	6384.1
15°	6989.7	7113.6	7069.6	7066.8	7105.4	7204.5	7130.1	6871.4	6753.0	6667.6
17.5°	7135.6	7017.3	6821.8	6731.0	6813.5	7047.6	7218.2	7072.3	6965.0	6871.4
20°	7188.0	6766.7	6483.2	6315.3	6411.6	6750.2	7171.4	7218.2	7127.4	7050.3
22.5°	7127.4	6461.2	6075.8	5877.5	5971.1	6375.8	7033.8	7336.6	7276.0	7201.7
25°	6978.7	6141.8	5679.3	5500.4	5602.3	6015.2	6788.8	7446.7	7449.5	7388.9
27.5°	6794.3	5847.3	5401.3	5233.4	5332.5	5717.9	6549.3	7543.1	7639.4	7617.4
30°	6607.1	5671.1	5269.1	5150.8	5225.1	5566.5	6304.3	7642.2	7834.9	7873.4
32.5°	6521.7	5756.4	5580.2	5632.5	5536.2	5654.6	6216.2	7782.6	8071.6	8135.0
35°	6634.6	6513.5	6959.5	7165.9	6824.6	6375.8	6329.0	7994.6	8404.8	8498.4
37.5°	7182.4	8135.0	8801.2	9528.0	8936.1	7947.8	6887.9	8355.2	8881.0	9029.7
40°	8374.5	9550.0	10753.0	11691.8	10797.1	9467.4	7950.5	8892.0	9536.2	9671.1
42.5°	9497.7	10876.9	12534.2	13748.2	12586.5	10709.0	9095.7	9795.0	10400.6	10475.0
45°	10598.9	12179.0	14689.7	16377.3	14799.9	11890.0	10265.7	11320.1	11777.1	11779.9
47.5°	11890.0	13646.4	17393.1	19796.5	17737.3	13197.6	11364.2	13734.5	14370.4	14059.3
50°	13434.4	15105.4	20176.4	23774.5	21318.8	14805.4	12759.9	16677.4	17544.5	17192.2
52.5°	15501.9	16713.2	23243.2	27653.4	25222.5	16636.1	14783.3	20564.5	20850.8	20192.9
55°	18411.7	19033.9	27179.9	32443.5	29580.4	18890.7	17742.8	25442.8	24641.7	22755.9
57.5°	25038.1	22706.3	32234.3	37908.1	34511.0	22987.1	24228.7	30822.0	27972.7	24793.1
60°	30582.5	27166.1	36911.5	43331.4	38736.8	27502.0	30318.2	31758.0	27848.8	24567.3
62.5°	28713.3	28303.1	38599.1	43928.8	40179.3	29723.6	29186.8	29398.7	26031.9	23067.0
65°	25192.2	26109.0	37093.2	41096.0	38579.8	27733.2	26400.8	27218.4	23953.4	20966.5
67.5°	23113.8	23788.2	34414.6	36561.9	35672.7	25580.4	24234.2	23642.3	20727.0	18188.7
70°	20988.5	21547.3	30654.1	30871.6	31138.6	22001.6	19815.7	18053.8	15449.6	13673.9
72.5°	18136.4	18166.7	25899.7	24638.9	25145.4	17216.9	15950.6	13497.7	11245.8	9635.3
75°	15215.6	14384.2	20501.2	17222.5	18238.3	13393.1	13244.4	10172.1	8481.8	7160.4
77.5°	11600.9	10629.1	14976.0	11325.6	12809.5	8919.6	9957.4	6898.9	5968.4	4765.4
80°	7788.1	7182.4	8275.4	6392.3	8380.0	6147.3	6494.2	3909.2	3388.9	2629.1
82.5°	4107.4	3507.3	5115.0	3790.8	5054.4	3377.9	2436.4	1208.5	1029.6	831.4
85°	1591.2	1841.7	2507.9	1348.9	1960.1	1205.8	704.8	300.1	250.5	190.0
87.5°	308.3	476.3	261.5	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)