

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: P642275

Luminaire Tested: GWS-SA6C-750-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642275  
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-SA6C-750-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

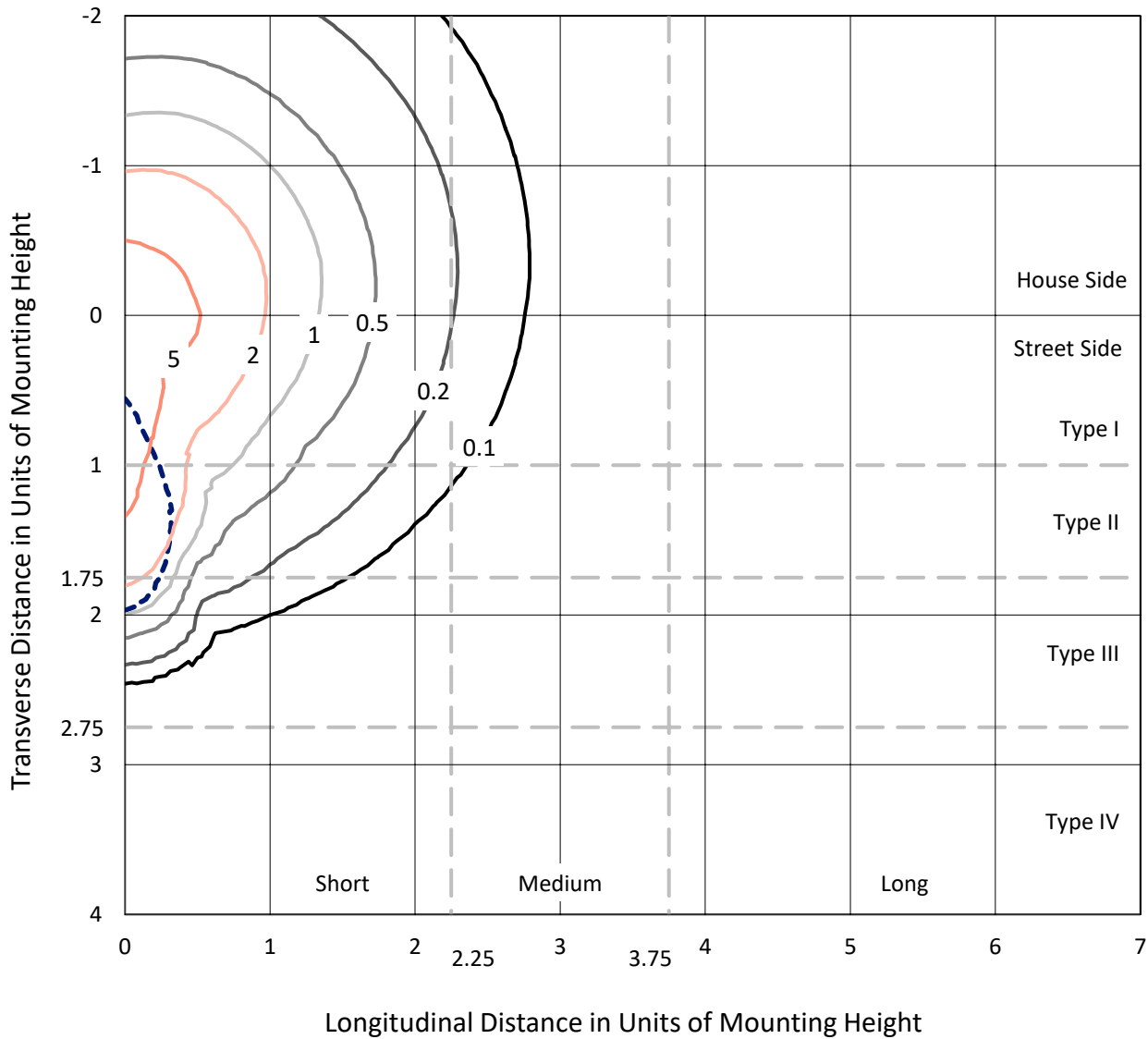
Lumens per Lamp: N/A  
Luminaire Lumens: 22608.3 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

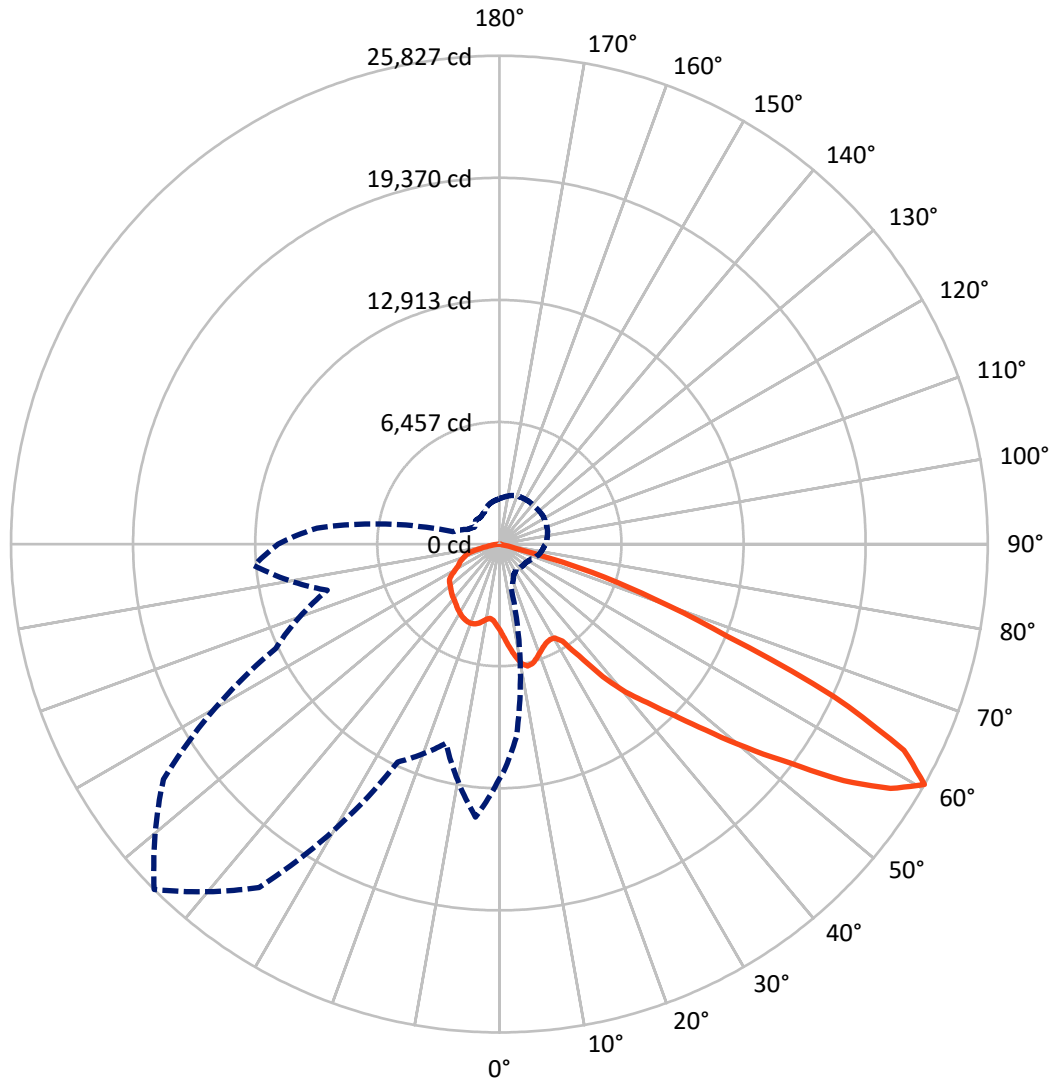
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7734.1	0.0	7734.1
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	14874.2	0.0	14874.2
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	22608.3	0.0	22608.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	445.5	2.0
10°-20°	1428.9	6.3
20°-30°	2327.1	10.3
30°-40°	3269.1	14.5
40°-50°	4473.5	19.8
50°-60°	5739.2	25.4
60°-70°	3864.6	17.1
70°-80°	966.1	4.3
80°-90°	94.2	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°	22608.3	100.0
0°-180°	22608.3	100.0

**Coefficient of Utilization**



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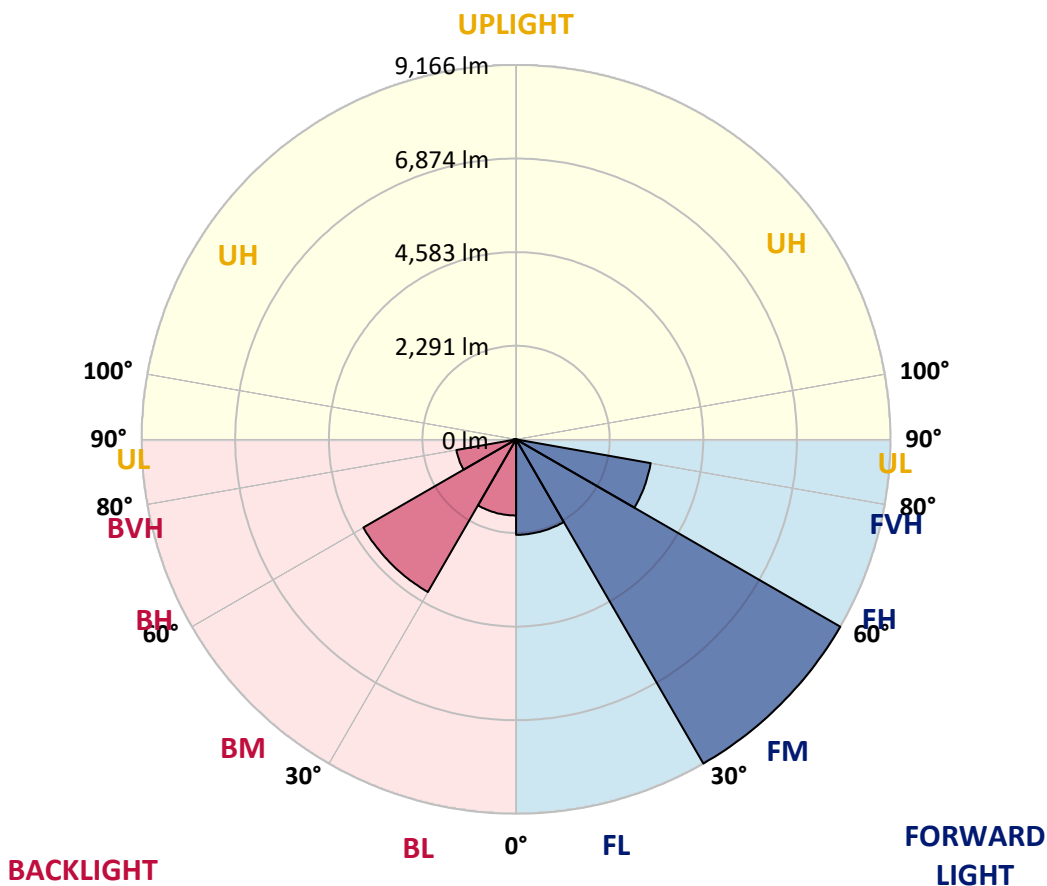
CATALOG NUMBER: GWS-SA6C-750-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2337.2	10.3			
FM (30°-60°)	9165.6	40.5			
FH (60°-80°)	3347.0	14.8			G2/5000
FVH (80°-90°)	24.5	0.1			G1/100
BL (0°-30°)	1864.4	8.2	B3/2500		
BM (30°-60°)	4316.2	19.1	B3/5000		
BH (60°-80°)	1483.7	6.6	B3/2500		G3/2500
BVH (80°-90°)	69.7	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9
2.5°	4824.3	4813.9	4803.5	4722.3	4701.4	4643.1	4601.5	4549.4	4474.5	4432.8	4397.4
5°	5126.2	5109.5	5053.3	4886.7	4778.5	4659.8	4561.9	4453.7	4339.1	4264.2	4205.9
7.5°	5411.4	5407.3	5311.5	5036.7	4861.8	4691.0	4557.8	4399.5	4235.0	4122.6	4047.7
10°	5675.9	5644.6	5530.1	5172.0	4943.0	4747.2	4603.6	4428.7	4237.1	4085.1	3985.2
12.5°	5909.1	5869.5	5711.3	5296.9	5013.8	4772.2	4616.1	4472.4	4345.4	4218.4	4103.9
15°	6100.6	6052.7	5892.4	5413.5	5076.2	4757.7	4539.0	4426.6	4470.3	4526.5	4399.5
17.5°	6279.7	6229.7	6034.0	5498.9	5095.0	4668.1	4349.6	4301.7	4522.4	4778.5	4720.2
20°	6429.6	6373.4	6146.4	5540.5	5061.6	4497.4	4103.9	4187.2	4478.7	4784.7	4878.4
22.5°	6592.0	6546.2	6273.4	5600.9	5020.0	4262.1	3897.7	4101.8	4403.7	4672.3	4813.9
25°	6852.3	6796.1	6471.2	5707.1	4999.2	4041.4	3749.9	4018.5	4299.6	4543.2	4653.5
27.5°	7229.1	7125.0	6741.9	5892.4	5022.1	3833.2	3656.2	3916.5	4178.8	4387.0	4476.6
30°	7639.3	7514.4	7041.7	6084.0	5055.4	3706.2	3606.2	3799.9	3993.5	4201.7	4299.6
32.5°	8124.5	8014.1	7362.4	6227.6	4984.6	3647.9	3568.8	3672.9	3826.9	3993.5	4074.7
35°	8703.3	8505.5	7712.2	6344.2	4755.6	3562.5	3535.4	3533.4	3614.6	3777.0	3868.6
37.5°	9325.8	9113.5	8143.2	6469.2	4399.5	3427.2	3456.3	3368.9	3443.8	3572.9	3677.0
40°	9836.0	9613.2	8578.4	6639.9	3954.0	3214.8	3281.4	3187.7	3233.5	3366.8	3483.4
42.5°	10335.7	10098.3	8984.4	6833.5	3523.0	3006.6	3039.9	3004.5	3019.1	3158.6	3321.0
45°	10991.5	10725.0	9484.1	6971.0	3135.7	2842.1	2810.9	2750.5	2827.5	3008.7	3181.5
47.5°	12086.7	11768.2	10302.4	7060.5	2854.6	2748.4	2604.7	2569.3	2665.1	2867.1	3046.1
50°	13367.2	13092.4	11609.9	7056.3	2644.3	2669.3	2404.9	2373.6	2531.9	2735.9	2925.4
52.5°	14416.6	14137.6	12728.0	6848.1	2471.5	2500.6	2288.3	2200.8	2417.3	2606.8	2796.3
55°	15264.1	14949.7	13242.3	5977.8	2252.9	2232.0	2161.2	2000.9	2273.7	2477.7	2654.7
57.5°	14808.1	14433.3	12619.8	4545.3	2028.0	1896.8	1942.6	1823.9	2078.0	2334.1	2504.8
60°	12415.7	12078.4	10252.4	2419.4	1784.4	1584.5	1680.3	1699.0	1863.5	2161.2	2336.1
62.5°	8528.4	8282.7	6948.1	1467.9	1407.5	1272.2	1422.1	1557.4	1680.3	1932.2	2084.2
65°	4172.6	4099.7	3475.1	941.1	984.8	1028.6	1178.5	1343.0	1524.1	1744.8	1905.1
67.5°	1149.3	1157.7	1053.6	735.0	776.6	897.4	1016.1	1147.3	1328.4	1532.4	1694.8
70°	506.0	514.3	530.9	566.3	645.5	755.8	878.7	1014.0	1180.6	1351.3	1507.5
72.5°	351.9	360.2	385.2	431.0	501.8	605.9	722.5	851.6	1024.4	1168.1	1297.2
75°	216.5	222.8	245.7	285.3	333.1	412.3	526.8	645.5	797.5	928.6	1043.1
77.5°	114.5	110.4	124.9	152.0	193.6	235.3	312.3	387.3	495.5	601.7	697.5
80°	62.5	60.4	68.7	83.3	95.8	129.1	181.1	231.1	293.6	354.0	406.0
82.5°	27.1	25.0	27.1	35.4	43.7	62.5	91.6	127.0	162.4	204.0	237.4
85°	0.0	0.0	0.0	2.1	10.4	16.7	31.2	45.8	66.6	91.6	112.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	18.7
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9
2.5°	4376.6	4324.6	4320.4	4278.8	4282.9	4285.0	4243.4	4226.7	4241.3	4257.9	4249.6
5°	4185.1	4130.9	4108.0	4068.5	4064.3	4045.6	4028.9	4008.1	4022.7	4037.2	4045.6
7.5°	4018.5	3983.1	3968.5	3958.1	3962.3	3954.0	3920.6	3901.9	3899.8	3906.1	3914.4
10°	3964.4	3935.2	3954.0	3983.1	4003.9	4018.5	3983.1	3951.9	3922.7	3910.2	3910.2
12.5°	4081.0	4043.5	4081.0	4112.2	4153.8	4164.3	4124.7	4091.4	4081.0	4093.5	4118.4
15°	4339.1	4251.7	4249.6	4268.4	4301.7	4318.3	4280.8	4264.2	4264.2	4343.3	4405.8
17.5°	4597.3	4453.7	4393.3	4382.9	4403.7	4409.9	4378.7	4364.1	4401.6	4555.7	4672.3
20°	4778.5	4603.6	4472.4	4447.4	4453.7	4455.7	4430.8	4420.4	4474.5	4661.9	4759.7
22.5°	4759.7	4630.6	4470.3	4439.1	4449.5	4445.3	4422.4	4418.3	4462.0	4624.4	4670.2
25°	4630.6	4530.7	4395.4	4374.5	4391.2	4389.1	4366.2	4355.8	4374.5	4482.8	4487.0
27.5°	4482.8	4395.4	4278.8	4272.5	4299.6	4314.2	4274.6	4243.4	4237.1	4310.0	4293.3
30°	4305.8	4241.3	4147.6	4151.8	4201.7	4210.1	4162.2	4116.4	4103.9	4143.4	4120.5
32.5°	4095.5	4074.7	4024.7	4035.2	4083.0	4099.7	4049.7	4001.8	3987.3	3999.8	3951.9
35°	3916.5	3908.1	3912.3	3931.1	3972.7	3985.2	3943.5	3906.1	3885.2	3841.5	3779.1
37.5°	3731.2	3754.1	3814.5	3849.8	3872.8	3868.6	3845.7	3818.6	3785.3	3704.1	3627.1
40°	3558.4	3616.7	3724.9	3764.5	3772.8	3774.9	3758.2	3735.3	3693.7	3585.4	3498.0
42.5°	3425.1	3489.6	3633.3	3693.7	3697.9	3702.0	3685.4	3666.6	3608.3	3464.7	3379.3
45°	3285.6	3371.0	3539.6	3612.5	3608.3	3606.2	3591.7	3583.3	3514.6	3348.1	3254.4
47.5°	3166.9	3266.9	3448.0	3510.5	3508.4	3506.3	3495.9	3495.9	3427.2	3246.0	3139.8
50°	3050.3	3164.8	3354.3	3406.4	3410.5	3406.4	3402.2	3408.4	3327.2	3133.6	3029.5
52.5°	2923.3	3052.4	3250.2	3298.1	3323.1	3333.5	3333.5	3318.9	3223.1	3021.2	2906.6
55°	2783.8	2906.6	3135.7	3200.2	3221.0	3239.8	3239.8	3210.6	3121.1	2917.1	2794.2
57.5°	2611.0	2719.3	2900.4	2964.9	3014.9	3027.4	3027.4	2979.5	2906.6	2710.9	2611.0
60°	2423.6	2517.3	2640.1	2708.8	2746.3	2721.3	2740.1	2727.6	2669.3	2488.1	2404.9
62.5°	2173.7	2269.5	2404.9	2475.6	2492.3	2467.3	2492.3	2490.2	2411.1	2248.7	2148.8
65°	1994.7	2088.4	2221.6	2313.2	2340.3	2334.1	2350.7	2325.7	2227.9	2073.8	1978.0
67.5°	1782.3	1882.2	2036.3	2138.3	2194.6	2200.8	2223.7	2171.7	2071.7	1903.1	1782.3
70°	1580.3	1665.7	1784.4	1880.2	1959.3	1998.8	2003.0	1928.0	1803.1	1663.6	1576.2
72.5°	1368.0	1455.4	1599.1	1703.2	1803.1	1848.9	1848.9	1757.3	1622.0	1467.9	1374.2
75°	1109.8	1191.0	1322.1	1434.6	1549.1	1607.4	1605.3	1526.2	1376.3	1230.5	1132.7
77.5°	751.6	812.0	895.3	980.7	997.3	1043.1	1066.0	966.1	882.8	803.7	716.3
80°	437.2	474.7	520.5	568.4	578.8	593.4	555.9	518.4	474.7	422.7	383.1
82.5°	256.1	281.1	304.0	341.5	347.7	351.9	318.6	301.9	266.5	235.3	210.3
85°	124.9	133.3	154.1	172.8	164.5	160.3	145.7	129.1	114.5	102.0	89.5
87.5°	25.0	25.0	37.5	35.4	29.1	25.0	14.6	18.7	4.2	4.2	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





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9
2.5°	4276.7	4312.1	4355.8	4414.1	4480.7	4551.5	4620.2	4672.3	4724.3	4801.4	4788.9
5°	4058.1	4118.4	4187.2	4276.7	4385.0	4507.8	4645.2	4782.6	4930.5	5055.4	5109.5
7.5°	3931.1	3997.7	4078.9	4195.5	4335.0	4484.9	4678.5	4901.3	5140.8	5305.3	5407.3
10°	3931.1	4016.4	4122.6	4235.0	4357.9	4512.0	4751.4	5030.4	5338.6	5555.1	5673.8
12.5°	4158.0	4243.4	4266.3	4262.1	4330.8	4501.6	4809.7	5165.8	5534.3	5763.3	5909.1
15°	4512.0	4541.1	4368.3	4210.1	4220.5	4426.6	4836.8	5274.0	5702.9	5977.8	6136.0
17.5°	4749.3	4672.3	4364.1	4087.2	4028.9	4299.6	4836.8	5378.1	5882.0	6192.2	6340.1
20°	4768.1	4576.5	4257.9	3968.5	3818.6	4130.9	4803.5	5457.2	6054.8	6398.4	6556.6
22.5°	4603.6	4414.1	4145.5	3866.5	3645.8	3926.9	4749.3	5517.6	6202.7	6592.0	6787.7
25°	4416.2	4257.9	4031.0	3762.4	3527.1	3720.8	4699.4	5619.7	6408.8	6854.4	7052.2
27.5°	4233.0	4099.7	3893.6	3675.0	3460.5	3541.7	4668.1	5769.6	6654.5	7227.1	7397.8
30°	4053.9	3933.1	3745.7	3591.7	3425.1	3425.1	4641.1	5942.4	6979.3	7645.6	7816.3
32.5°	3872.8	3758.2	3606.2	3510.5	3404.3	3379.3	4566.1	6104.8	7314.5	8103.6	8278.5
35°	3704.1	3589.6	3473.0	3433.4	3393.9	3343.9	4380.8	6231.8	7641.4	8638.7	8788.6
37.5°	3545.9	3435.5	3348.1	3337.6	3341.8	3248.1	4089.3	6338.0	8049.5	9186.3	9265.5
40°	3408.4	3285.6	3216.9	3214.8	3235.6	3094.0	3720.8	6490.0	8515.9	9650.6	9617.3
42.5°	3285.6	3156.5	3073.2	3092.0	3079.5	2940.0	3360.5	6629.5	8921.9	10085.8	10019.2
45°	3164.8	3039.9	2923.3	2950.4	2935.8	2844.2	3054.5	6731.5	9371.6	10608.4	10616.8
47.5°	3048.2	2925.4	2808.8	2775.5	2773.4	2815.0	2819.2	6764.8	10104.6	11449.6	11260.1
50°	2940.0	2817.1	2696.4	2583.9	2627.6	2756.7	2644.3	6739.8	11201.8	12378.2	11849.4
52.5°	2827.5	2710.9	2577.7	2375.7	2490.2	2617.2	2488.1	6650.3	11872.3	13198.6	12882.1
55°	2698.4	2588.1	2406.9	2161.2	2300.7	2327.8	2327.8	5784.1	12157.5	14010.6	14206.3
57.5°	2525.6	2379.9	2092.5	1894.7	2019.7	1915.6	2157.1	4047.7	11687.0	13754.5	14514.5
60°	2329.9	2173.7	1869.7	1728.2	1765.6	1582.4	1838.5	2538.1	9686.0	11703.6	13019.5
62.5°	2071.7	1928.0	1676.1	1565.8	1488.7	1290.9	1480.4	1605.3	6639.9	8690.8	9588.2
65°	1898.9	1740.7	1515.8	1370.0	1211.8	1039.0	982.8	1053.6	3570.8	4863.8	5469.7
67.5°	1694.8	1538.7	1326.3	1143.1	1016.1	891.1	793.3	768.3	1224.3	1619.9	1753.1
70°	1501.2	1351.3	1174.3	1003.6	876.6	753.7	658.0	589.2	566.3	562.2	553.8
72.5°	1303.4	1163.9	1016.1	857.8	718.3	605.9	520.5	441.4	408.1	397.7	387.3
75°	1068.1	957.8	809.9	639.2	526.8	422.7	356.0	304.0	274.8	264.4	251.9
77.5°	687.1	637.1	508.0	412.3	318.6	251.9	216.5	183.2	164.5	160.3	149.9
80°	366.5	341.5	281.1	237.4	189.5	154.1	135.3	116.6	106.2	102.0	97.9
82.5°	204.0	185.3	156.2	137.4	110.4	93.7	83.3	75.0	68.7	66.6	64.5
85°	91.6	79.1	62.5	58.3	52.1	47.9	45.8	41.6	39.6	37.5	35.4
87.5°	4.2	8.3	10.4	8.3	8.3	12.5	14.6	14.6	12.5	12.5	10.4
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: P642275

CATALOG NUMBER: GWS-SA6C-750-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9	4559.9
2.5°	4865.9	4928.4	4934.6	4955.5	4928.4	4922.1	4878.4	4853.4	4830.5	4824.3
5°	5244.9	5369.8	5419.8	5455.2	5421.9	5405.2	5309.4	5209.5	5153.3	5126.2
7.5°	5634.2	5821.6	5919.5	5963.2	5967.4	5892.4	5727.9	5540.5	5446.8	5411.4
10°	5981.9	6213.1	6342.2	6425.4	6396.3	6304.7	6079.8	5825.8	5707.1	5675.9
12.5°	6240.1	6460.8	6560.8	6614.9	6612.8	6562.9	6350.5	6075.6	5940.3	5909.1
15°	6406.7	6537.9	6544.1	6556.6	6592.0	6658.6	6548.3	6294.3	6144.4	6100.6
17.5°	6537.9	6485.8	6388.0	6354.6	6433.8	6619.1	6685.7	6479.6	6317.2	6279.7
20°	6621.2	6358.8	6186.0	6121.4	6213.1	6515.0	6769.0	6646.1	6477.5	6429.6
22.5°	6685.7	6240.1	5961.1	5917.4	6013.2	6402.5	6854.4	6843.9	6658.6	6592.0
25°	6787.7	6161.0	5802.9	5771.7	5861.2	6348.4	6968.9	7112.5	6948.1	6852.3
27.5°	6948.1	6152.7	5721.7	5711.3	5834.1	6396.3	7133.4	7506.1	7299.9	7229.1
30°	7170.8	6231.8	5740.4	5761.2	5911.2	6569.1	7389.5	7955.8	7749.7	7639.3
32.5°	7491.5	6444.2	6025.7	6115.2	6225.6	6846.0	7764.2	8443.0	8286.9	8124.5
35°	7914.2	7027.2	6868.9	7250.0	7145.9	7451.9	8216.1	9034.3	8844.9	8703.3
37.5°	8478.4	8222.3	8368.1	8892.8	8640.8	8597.1	8767.8	9571.5	9467.4	9325.8
40°	9269.6	9321.7	9590.3	10279.5	9915.1	9634.0	9444.5	9975.5	10010.9	9836.0
42.5°	9794.3	10033.8	10681.3	11464.2	10962.4	10289.9	10010.9	10491.8	10493.9	10335.7
45°	9990.0	10616.8	11970.1	12871.7	12032.6	10664.6	10323.2	11193.5	11172.7	10991.5
47.5°	9919.2	11108.1	13308.9	14687.3	13406.8	10931.2	10279.5	12192.9	12361.6	12086.7
50°	9771.4	11601.6	14872.6	16911.0	15093.3	11214.3	10212.8	13300.6	13579.6	13367.2
52.5°	9921.3	12151.3	16721.5	19209.7	17208.8	11666.1	10662.6	14722.7	14672.7	14416.6
55°	10396.1	12800.9	18968.2	22097.6	19532.4	12430.3	11818.1	16078.2	15570.1	15264.1
57.5°	10373.1	13265.2	20937.8	24381.7	21554.2	13057.0	12220.0	16221.8	15195.3	14808.1
60°	9415.4	13052.8	21687.4	25826.7	22164.2	12711.4	10897.8	14489.5	12821.7	12415.7
62.5°	7027.2	11582.9	20234.1	24017.3	20438.1	10979.0	8195.2	10400.2	9213.4	8528.4
65°	4495.3	9061.4	17011.0	19457.5	16846.5	8397.2	4880.5	5575.9	4368.3	4172.6
67.5°	1913.5	6396.3	13223.6	13005.0	12603.1	5440.6	1884.3	1569.9	1170.2	1149.3
70°	633.0	4351.6	8151.5	8674.1	7526.9	3747.8	622.6	526.8	524.7	506.0
72.5°	414.3	2336.1	4589.0	5109.5	4843.0	2157.1	376.9	351.9	360.2	351.9
75°	247.8	508.0	772.5	1003.6	772.5	362.3	227.0	222.8	227.0	216.5
77.5°	145.7	141.6	137.4	137.4	135.3	124.9	114.5	110.4	112.4	114.5
80°	93.7	89.5	85.4	83.3	72.9	68.7	64.5	60.4	60.4	62.5
82.5°	60.4	56.2	52.1	45.8	37.5	31.2	29.1	25.0	25.0	27.1
85°	31.2	25.0	18.7	14.6	8.3	4.2	0.0	0.0	0.0	0.0
87.5°	6.2	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)