

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: P641835

Luminaire Tested: GWS-SA6B-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641835
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-SA6B-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16626.9 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

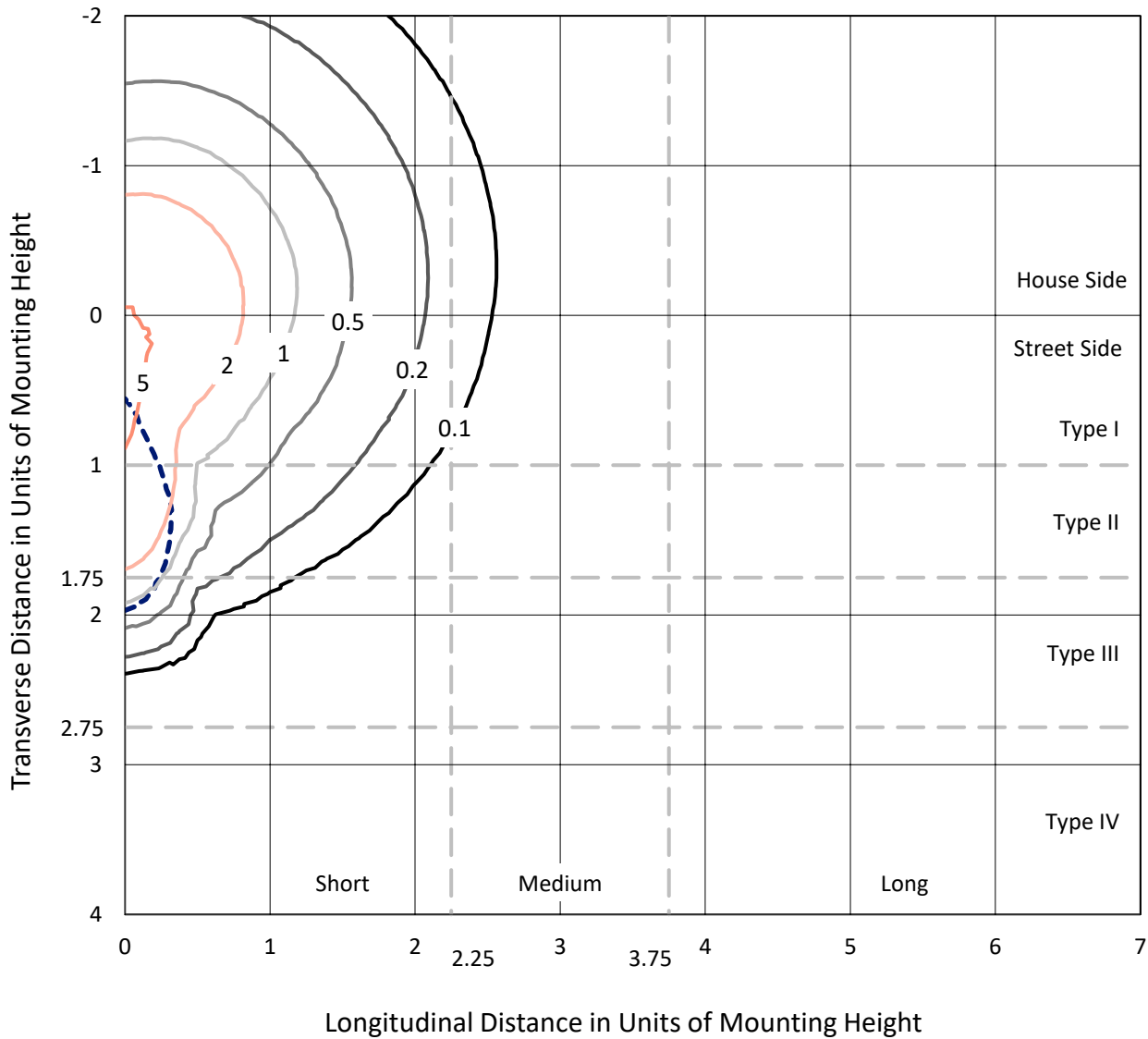
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

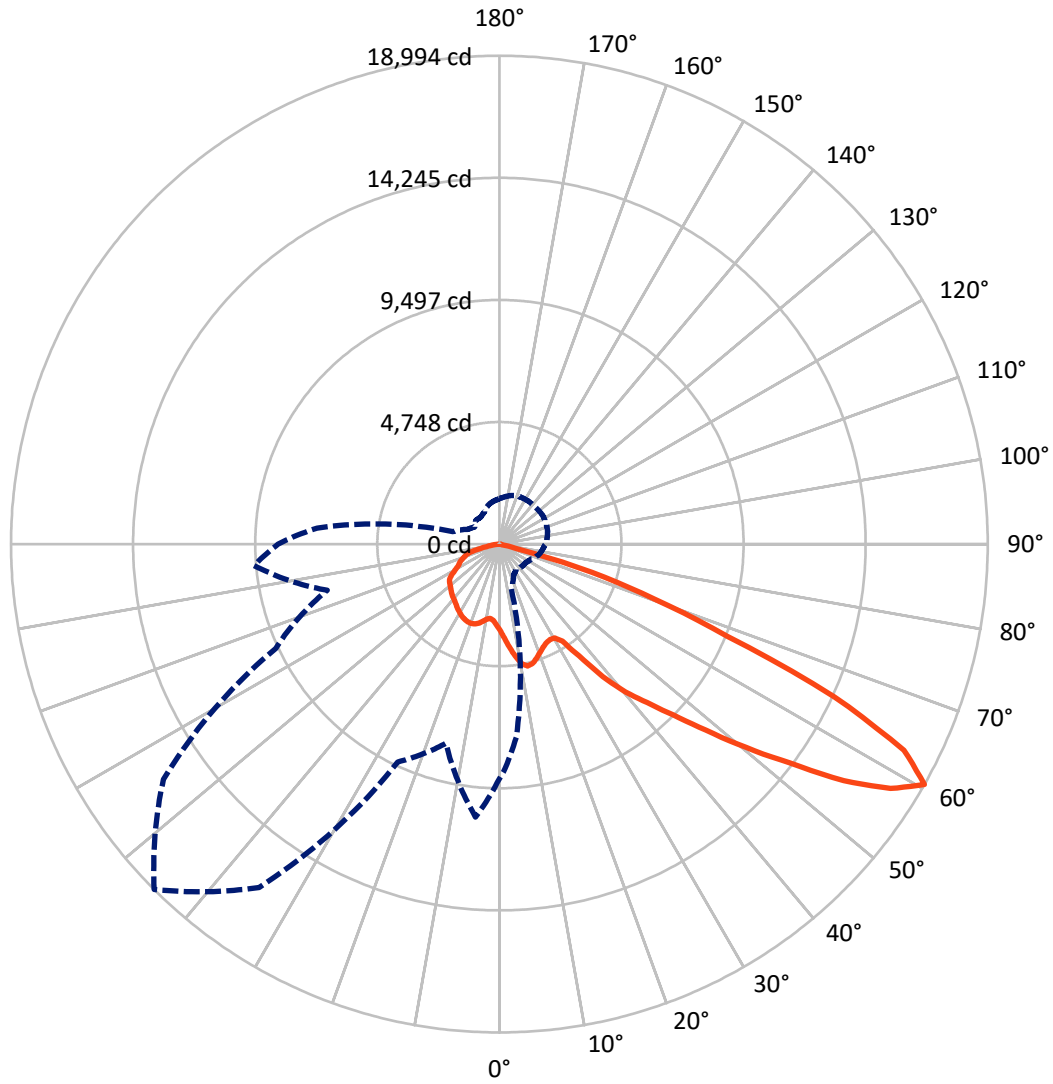
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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
House Side	Lumens	5687.9	0.0	5687.9
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	10939.0	0.0	10939.0
	% Fixture	65.8	0.0	65.8
Total	Lumens	16626.9	0.0	16626.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.6	2.0
10°-20°	1050.9	6.3
20°-30°	1711.5	10.3
30°-40°	2404.2	14.5
40°-50°	3289.9	19.8
50°-60°	4220.8	25.4
60°-70°	2842.1	17.1
70°-80°	710.5	4.3
80°-90°	69.3	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°	16626.9	100.0
0°-180°	16626.9	100.0

Coefficient of Utilization



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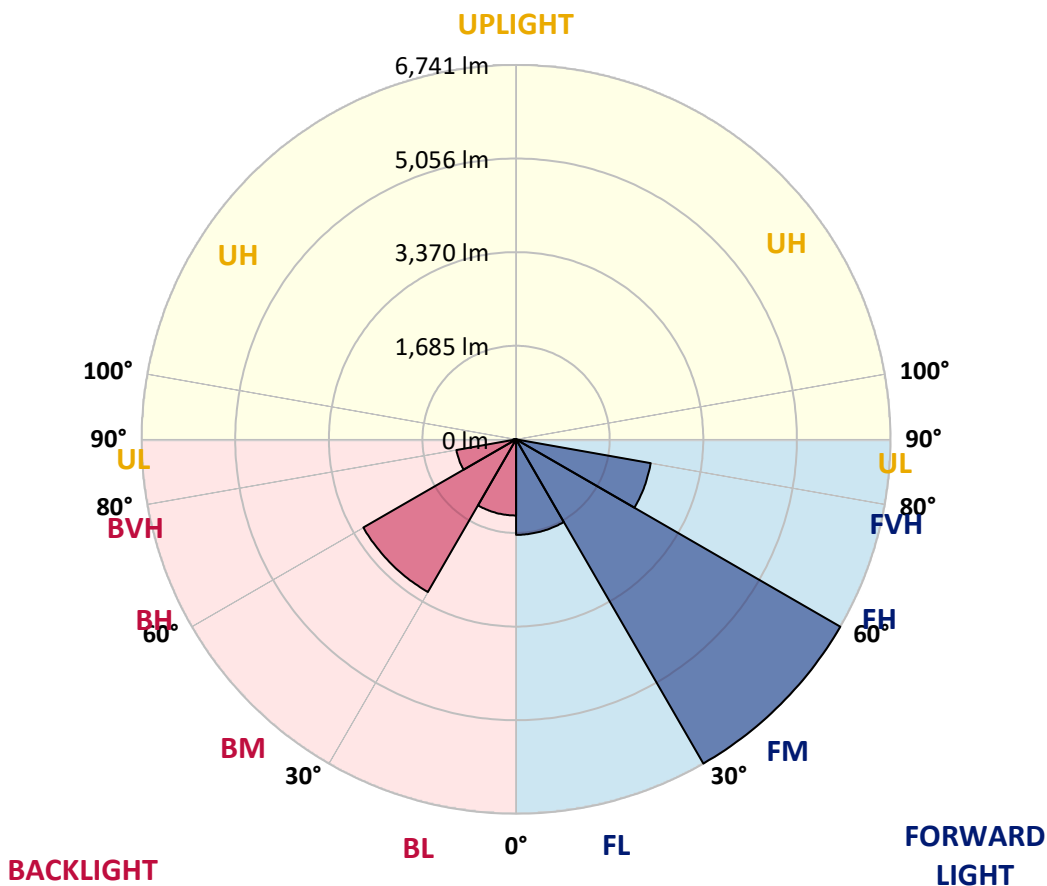
CATALOG NUMBER: GWS-SA6B-760-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1718.8	10.3			
FM (30°-60°)	6740.7	40.5			
FH (60°-80°)	2461.5	14.8			G2/5000
FVH (80°-90°)	18.0	0.1			G1/100
BL (0°-30°)	1371.1	8.2	B3/2500		
BM (30°-60°)	3174.3	19.1	B3/5000		
BH (60°-80°)	1091.2	6.6	B3/2500		G3/2500
BVH (80°-90°)	51.3	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°	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5
2.5°	3547.9	3540.3	3532.6	3472.9	3457.6	3414.7	3384.1	3345.8	3290.7	3260.1	3234.0
5°	3770.0	3757.7	3716.4	3593.9	3514.3	3427.0	3355.0	3275.4	3191.2	3136.0	3093.2
7.5°	3979.8	3976.7	3906.3	3704.1	3575.5	3449.9	3351.9	3235.6	3114.6	3031.9	2976.8
10°	4174.2	4151.3	4067.0	3803.7	3635.2	3491.3	3385.6	3257.0	3116.1	3004.3	2930.8
12.5°	4345.7	4316.6	4200.3	3895.5	3687.3	3509.7	3394.8	3289.2	3195.7	3102.3	3018.1
15°	4486.6	4451.4	4333.5	3981.3	3733.2	3498.9	3338.2	3255.5	3287.6	3329.0	3235.6
17.5°	4618.3	4581.5	4437.6	4044.1	3747.0	3433.1	3198.8	3163.6	3325.9	3514.3	3471.4
20°	4728.5	4687.2	4520.3	4074.7	3722.5	3307.5	3018.1	3079.4	3293.7	3518.8	3587.8
22.5°	4848.0	4814.3	4613.7	4119.1	3691.9	3134.5	2866.5	3016.6	3238.6	3436.2	3540.3
25°	5039.4	4998.0	4759.2	4197.2	3676.6	2972.2	2757.8	2955.3	3162.1	3341.2	3422.4
27.5°	5316.5	5240.0	4958.2	4333.5	3693.4	2819.1	2688.9	2880.3	3073.2	3226.4	3292.2
30°	5618.2	5526.3	5178.7	4474.4	3717.9	2725.7	2652.1	2794.6	2937.0	3090.1	3162.1
32.5°	5975.0	5893.8	5414.6	4580.0	3665.8	2682.8	2624.6	2701.2	2814.5	2937.0	2996.7
35°	6400.7	6255.2	5671.8	4665.8	3497.4	2620.0	2600.1	2598.6	2658.3	2777.7	2845.1
37.5°	6858.5	6702.3	5988.8	4757.6	3235.6	2520.5	2541.9	2477.6	2532.7	2627.6	2704.2
40°	7233.7	7069.8	6308.8	4883.2	2907.9	2364.3	2413.3	2344.4	2378.1	2476.1	2561.8
42.5°	7601.2	7426.6	6607.4	5025.6	2590.9	2211.1	2235.6	2209.6	2220.3	2322.9	2442.4
45°	8083.5	7887.5	6974.9	5126.7	2306.1	2090.2	2067.2	2022.8	2079.5	2212.7	2339.8
47.5°	8889.0	8654.7	7576.7	5192.5	2099.4	2021.3	1915.6	1889.6	1960.0	2108.6	2240.2
50°	9830.7	9628.6	8538.3	5189.5	1944.7	1963.1	1768.6	1745.6	1862.0	2012.1	2151.4
52.5°	10602.5	10397.3	9360.6	5036.3	1817.6	1839.0	1682.9	1618.5	1777.8	1917.1	2056.5
55°	11225.7	10994.5	9738.8	4396.3	1656.8	1641.5	1589.5	1471.5	1672.1	1822.2	1952.4
57.5°	10890.4	10614.7	9281.0	3342.8	1491.5	1395.0	1428.7	1341.4	1528.2	1716.5	1842.1
60°	9130.9	8882.9	7539.9	1779.3	1312.3	1165.3	1235.7	1249.5	1370.5	1589.5	1718.1
62.5°	6272.1	6091.4	5109.8	1079.5	1035.1	935.6	1045.9	1145.4	1235.7	1421.0	1532.8
65°	3068.7	3015.1	2555.7	692.1	724.3	756.4	866.7	987.7	1120.9	1283.2	1401.1
67.5°	845.3	851.4	774.8	540.5	571.2	660.0	747.3	843.7	976.9	1127.0	1246.4
70°	372.1	378.2	390.5	416.5	474.7	555.8	646.2	745.7	868.2	993.8	1108.6
72.5°	258.8	264.9	283.3	317.0	369.0	445.6	531.3	626.3	753.4	859.0	954.0
75°	159.3	163.8	180.7	209.8	245.0	303.2	387.4	474.7	586.5	682.9	767.2
77.5°	84.2	81.2	91.9	111.8	142.4	173.0	229.7	284.8	364.4	442.5	513.0
80°	45.9	44.4	50.5	61.3	70.4	94.9	133.2	170.0	215.9	260.3	298.6
82.5°	19.9	18.4	19.9	26.0	32.2	45.9	67.4	93.4	119.4	150.1	174.6
85°	0.0	0.0	0.0	1.5	7.7	12.3	23.0	33.7	49.0	67.4	82.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	13.8
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°	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5
2.5°	3218.7	3180.4	3177.4	3146.7	3149.8	3151.3	3120.7	3108.5	3119.2	3131.4	3125.3
5°	3077.8	3038.0	3021.2	2992.1	2989.0	2975.2	2963.0	2947.7	2958.4	2969.1	2975.2
7.5°	2955.3	2929.3	2918.6	2910.9	2914.0	2907.9	2883.4	2869.6	2868.1	2872.7	2878.8
10°	2915.5	2894.1	2907.9	2929.3	2944.6	2955.3	2929.3	2906.3	2884.9	2875.7	2875.7
12.5°	3001.3	2973.7	3001.3	3024.2	3054.9	3062.5	3033.4	3008.9	3001.3	3010.5	3028.8
15°	3191.2	3126.8	3125.3	3139.1	3163.6	3175.8	3148.3	3136.0	3136.0	3194.2	3240.2
17.5°	3381.0	3275.4	3231.0	3223.3	3238.6	3243.2	3220.2	3209.5	3237.1	3350.4	3436.2
20°	3514.3	3385.6	3289.2	3270.8	3275.4	3276.9	3258.5	3250.9	3290.7	3428.5	3500.5
22.5°	3500.5	3405.5	3287.6	3264.7	3272.3	3269.2	3252.4	3249.3	3281.5	3400.9	3434.6
25°	3405.5	3332.0	3232.5	3217.2	3229.4	3227.9	3211.1	3203.4	3217.2	3296.8	3299.9
27.5°	3296.8	3232.5	3146.7	3142.2	3162.1	3172.8	3143.7	3120.7	3116.1	3169.7	3157.5
30°	3166.7	3119.2	3050.3	3053.3	3090.1	3096.2	3061.0	3027.3	3018.1	3047.2	3030.4
32.5°	3012.0	2996.7	2959.9	2967.6	3002.8	3015.1	2978.3	2943.1	2932.4	2941.6	2906.3
35°	2880.3	2874.2	2877.2	2891.0	2921.7	2930.8	2900.2	2872.7	2857.3	2825.2	2779.2
37.5°	2744.0	2760.9	2805.3	2831.3	2848.2	2845.1	2828.2	2808.3	2783.8	2724.1	2667.5
40°	2616.9	2659.8	2739.4	2768.5	2774.7	2776.2	2763.9	2747.1	2716.5	2636.8	2572.5
42.5°	2518.9	2566.4	2672.1	2716.5	2719.5	2722.6	2710.3	2696.6	2653.7	2548.0	2485.2
45°	2416.3	2479.1	2603.1	2656.7	2653.7	2652.1	2641.4	2635.3	2584.8	2462.3	2393.4
47.5°	2329.1	2402.6	2535.8	2581.7	2580.2	2578.6	2571.0	2571.0	2520.5	2387.2	2309.1
50°	2243.3	2327.5	2466.9	2505.1	2508.2	2505.1	2502.1	2506.7	2447.0	2304.6	2228.0
52.5°	2149.9	2244.8	2390.3	2425.5	2443.9	2451.6	2451.6	2440.8	2370.4	2221.9	2137.6
55°	2047.3	2137.6	2306.1	2353.6	2368.9	2382.6	2382.6	2361.2	2295.4	2145.3	2055.0
57.5°	1920.2	1999.8	2133.1	2180.5	2217.3	2226.5	2226.5	2191.2	2137.6	1993.7	1920.2
60°	1782.4	1851.3	1941.6	1992.2	2019.7	2001.4	2015.1	2006.0	1963.1	1829.9	1768.6
62.5°	1598.6	1669.1	1768.6	1820.7	1832.9	1814.5	1832.9	1831.4	1773.2	1653.8	1580.3
65°	1467.0	1535.9	1633.9	1701.2	1721.1	1716.5	1728.8	1710.4	1638.5	1525.1	1454.7
67.5°	1310.8	1384.3	1497.6	1572.6	1614.0	1618.5	1635.4	1597.1	1523.6	1399.6	1310.8
70°	1162.2	1225.0	1312.3	1382.7	1440.9	1470.0	1473.1	1418.0	1326.1	1223.5	1159.2
72.5°	1006.0	1070.4	1176.0	1252.6	1326.1	1359.8	1359.8	1292.4	1192.9	1079.5	1010.6
75°	816.2	875.9	972.4	1055.0	1139.3	1182.1	1180.6	1122.4	1012.2	905.0	833.0
77.5°	552.8	597.2	658.4	721.2	733.5	767.2	784.0	710.5	649.3	591.1	526.8
80°	321.6	349.1	382.8	418.0	425.7	436.4	408.8	381.3	349.1	310.8	281.8
82.5°	188.3	206.7	223.6	251.1	255.7	258.8	234.3	222.0	196.0	173.0	154.7
85°	91.9	98.0	113.3	127.1	121.0	117.9	107.2	94.9	84.2	75.0	65.8
87.5°	18.4	18.4	27.6	26.0	21.4	18.4	10.7	13.8	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5
2.5°	3145.2	3171.2	3203.4	3246.3	3295.3	3347.3	3397.9	3436.2	3474.4	3531.1	3521.9
5°	2984.4	3028.8	3079.4	3145.2	3224.8	3315.2	3416.3	3517.3	3626.0	3717.9	3757.7
7.5°	2891.0	2940.0	2999.7	3085.5	3188.1	3298.3	3440.8	3604.6	3780.7	3901.7	3976.7
10°	2891.0	2953.8	3031.9	3114.6	3204.9	3318.2	3494.3	3699.5	3926.2	4085.4	4172.7
12.5°	3057.9	3120.7	3137.6	3134.5	3185.0	3310.6	3537.2	3799.1	4070.1	4238.5	4345.7
15°	3318.2	3339.7	3212.6	3096.2	3103.9	3255.5	3557.1	3878.7	4194.1	4396.3	4512.6
17.5°	3492.8	3436.2	3209.5	3005.9	2963.0	3162.1	3557.1	3955.3	4325.8	4554.0	4662.7
20°	3506.6	3365.7	3131.4	2918.6	2808.3	3038.0	3532.6	4013.4	4452.9	4705.6	4822.0
22.5°	3385.6	3246.3	3048.7	2843.6	2681.2	2888.0	3492.8	4057.9	4561.6	4848.0	4991.9
25°	3247.8	3131.4	2964.5	2767.0	2594.0	2736.4	3456.1	4132.9	4713.2	5040.9	5186.4
27.5°	3113.1	3015.1	2863.5	2702.7	2545.0	2604.7	3433.1	4243.1	4893.9	5315.0	5440.6
30°	2981.4	2892.6	2754.7	2641.4	2518.9	2518.9	3413.2	4370.2	5132.8	5622.8	5748.4
32.5°	2848.2	2763.9	2652.1	2581.7	2503.6	2485.2	3358.1	4489.7	5379.3	5959.7	6088.3
35°	2724.1	2639.9	2554.1	2525.1	2496.0	2459.2	3221.8	4583.1	5619.7	6353.2	6463.5
37.5°	2607.7	2526.6	2462.3	2454.6	2457.7	2388.8	3007.4	4661.2	5919.9	6755.9	6814.1
40°	2506.7	2416.3	2365.8	2364.3	2379.6	2275.5	2736.4	4773.0	6262.9	7097.4	7072.9
42.5°	2416.3	2321.4	2260.1	2273.9	2264.7	2162.1	2471.5	4875.5	6561.5	7417.4	7368.4
45°	2327.5	2235.6	2149.9	2169.8	2159.1	2091.7	2246.4	4950.6	6892.2	7801.8	7807.9
47.5°	2241.8	2151.4	2065.7	2041.2	2039.6	2070.3	2073.3	4975.1	7431.2	8420.4	8281.1
50°	2162.1	2071.8	1983.0	1900.3	1932.5	2027.4	1944.7	4956.7	8238.2	9103.4	8714.4
52.5°	2079.5	1993.7	1895.7	1747.2	1831.4	1924.8	1829.9	4890.9	8731.3	9706.7	9473.9
55°	1984.5	1903.4	1770.1	1589.5	1692.0	1712.0	1712.0	4253.9	8941.1	10303.9	10447.8
57.5°	1857.4	1750.2	1538.9	1393.5	1485.3	1408.8	1586.4	2976.8	8595.0	10115.5	10674.4
60°	1713.5	1598.6	1375.1	1270.9	1298.5	1163.8	1352.1	1866.6	7123.4	8607.2	9575.0
62.5°	1523.6	1418.0	1232.7	1151.5	1094.9	949.4	1088.7	1180.6	4883.2	6391.5	7051.5
65°	1396.5	1280.1	1114.8	1007.6	891.2	764.1	722.8	774.8	2626.1	3577.0	4022.6
67.5°	1246.4	1131.6	975.4	840.7	747.3	655.4	583.4	565.0	900.4	1191.3	1289.3
70°	1104.0	993.8	863.6	738.1	644.7	554.3	483.9	433.3	416.5	413.4	407.3
72.5°	958.6	856.0	747.3	630.9	528.3	445.6	382.8	324.6	300.1	292.5	284.8
75°	785.5	704.4	595.7	470.1	387.4	310.8	261.8	223.6	202.1	194.5	185.3
77.5°	505.3	468.6	373.6	303.2	234.3	185.3	159.3	134.8	121.0	117.9	110.3
80°	269.5	251.1	206.7	174.6	139.3	113.3	99.5	85.8	78.1	75.0	72.0
82.5°	150.1	136.3	114.8	101.1	81.2	68.9	61.3	55.1	50.5	49.0	47.5
85°	67.4	58.2	45.9	42.9	38.3	35.2	33.7	30.6	29.1	27.6	26.0
87.5°	3.1	6.1	7.7	6.1	6.1	9.2	10.7	10.7	9.2	9.2	7.7
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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CATALOG NUMBER: GWS-SA6B-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5	3353.5
2.5°	3578.6	3624.5	3629.1	3644.4	3624.5	3619.9	3587.8	3569.4	3552.5	3547.9
5°	3857.3	3949.1	3985.9	4011.9	3987.4	3975.2	3904.7	3831.2	3789.9	3770.0
7.5°	4143.6	4281.4	4353.4	4385.5	4388.6	4333.5	4212.5	4074.7	4005.8	3979.8
10°	4399.3	4569.3	4664.2	4725.5	4704.0	4636.7	4471.3	4284.5	4197.2	4174.2
12.5°	4589.2	4751.5	4825.0	4864.8	4863.3	4826.5	4670.4	4468.2	4368.7	4345.7
15°	4711.7	4808.2	4812.8	4822.0	4848.0	4897.0	4815.8	4629.0	4518.8	4486.6
17.5°	4808.2	4769.9	4697.9	4673.4	4731.6	4867.9	4916.9	4765.3	4645.9	4618.3
20°	4869.4	4676.5	4549.4	4501.9	4569.3	4791.3	4978.1	4887.8	4763.8	4728.5
22.5°	4916.9	4589.2	4384.0	4351.9	4422.3	4708.6	5040.9	5033.3	4897.0	4848.0
25°	4991.9	4531.0	4267.6	4244.7	4310.5	4668.8	5125.1	5230.8	5109.8	5039.4
27.5°	5109.8	4524.9	4207.9	4200.3	4290.6	4704.0	5246.1	5520.2	5368.6	5316.5
30°	5273.7	4583.1	4221.7	4237.0	4347.3	4831.1	5434.5	5851.0	5699.4	5618.2
32.5°	5509.5	4739.3	4431.5	4497.3	4578.5	5034.8	5710.1	6209.3	6094.4	5975.0
35°	5820.3	5168.0	5051.6	5331.9	5255.3	5480.4	6042.4	6644.2	6504.8	6400.7
37.5°	6235.3	6047.0	6154.2	6540.0	6354.7	6322.6	6448.2	7039.2	6962.7	6858.5
40°	6817.2	6855.5	7053.0	7559.9	7291.9	7085.2	6945.8	7336.3	7362.3	7233.7
42.5°	7203.1	7379.2	7855.4	8431.1	8062.1	7567.5	7362.3	7716.0	7717.6	7601.2
45°	7347.0	7807.9	8803.2	9466.3	8849.2	7843.1	7592.0	8232.1	8216.8	8083.5
47.5°	7294.9	8169.3	9787.8	10801.5	9859.8	8039.1	7559.9	8967.1	9091.1	8889.0
50°	7186.2	8532.2	10937.8	12436.9	11100.1	8247.4	7510.9	9781.7	9986.9	9830.7
52.5°	7296.5	8936.5	12297.6	14127.4	12655.9	8579.7	7841.6	10827.6	10790.8	10602.5
55°	7645.6	9414.2	13949.8	16251.3	14364.8	9141.6	8691.5	11824.4	11450.8	11225.7
57.5°	7628.8	9755.7	15398.4	17931.1	15851.6	9602.6	8987.0	11930.1	11175.2	10890.4
60°	6924.4	9599.5	15949.6	18993.8	16300.3	9348.4	8014.6	10656.1	9429.5	9130.9
62.5°	5168.0	8518.4	14880.8	17663.1	15030.9	8074.4	6027.1	7648.7	6775.8	6272.1
65°	3306.0	6664.1	12510.4	14309.7	12389.5	6175.6	3589.3	4100.7	3212.6	3068.7
67.5°	1407.2	4704.0	9725.1	9564.3	9268.7	4001.2	1385.8	1154.6	860.6	845.3
70°	465.5	3200.3	5994.9	6379.2	5535.5	2756.3	457.8	387.4	385.9	372.1
72.5°	304.7	1718.1	3374.9	3757.7	3561.7	1586.4	277.2	258.8	264.9	258.8
75°	182.2	373.6	568.1	738.1	568.1	266.4	166.9	163.8	166.9	159.3
77.5°	107.2	104.1	101.1	101.1	99.5	91.9	84.2	81.2	82.7	84.2
80°	68.9	65.8	62.8	61.3	53.6	50.5	47.5	44.4	44.4	45.9
82.5°	44.4	41.3	38.3	33.7	27.6	23.0	21.4	18.4	18.4	19.9
85°	23.0	18.4	13.8	10.7	6.1	3.1	0.0	0.0	0.0	0.0
87.5°	4.6	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)