

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: P635895

Luminaire Tested: GWS-SA3E-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635895
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17270 lumens
Efficiency: N/A
Efficacy: 108.5 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

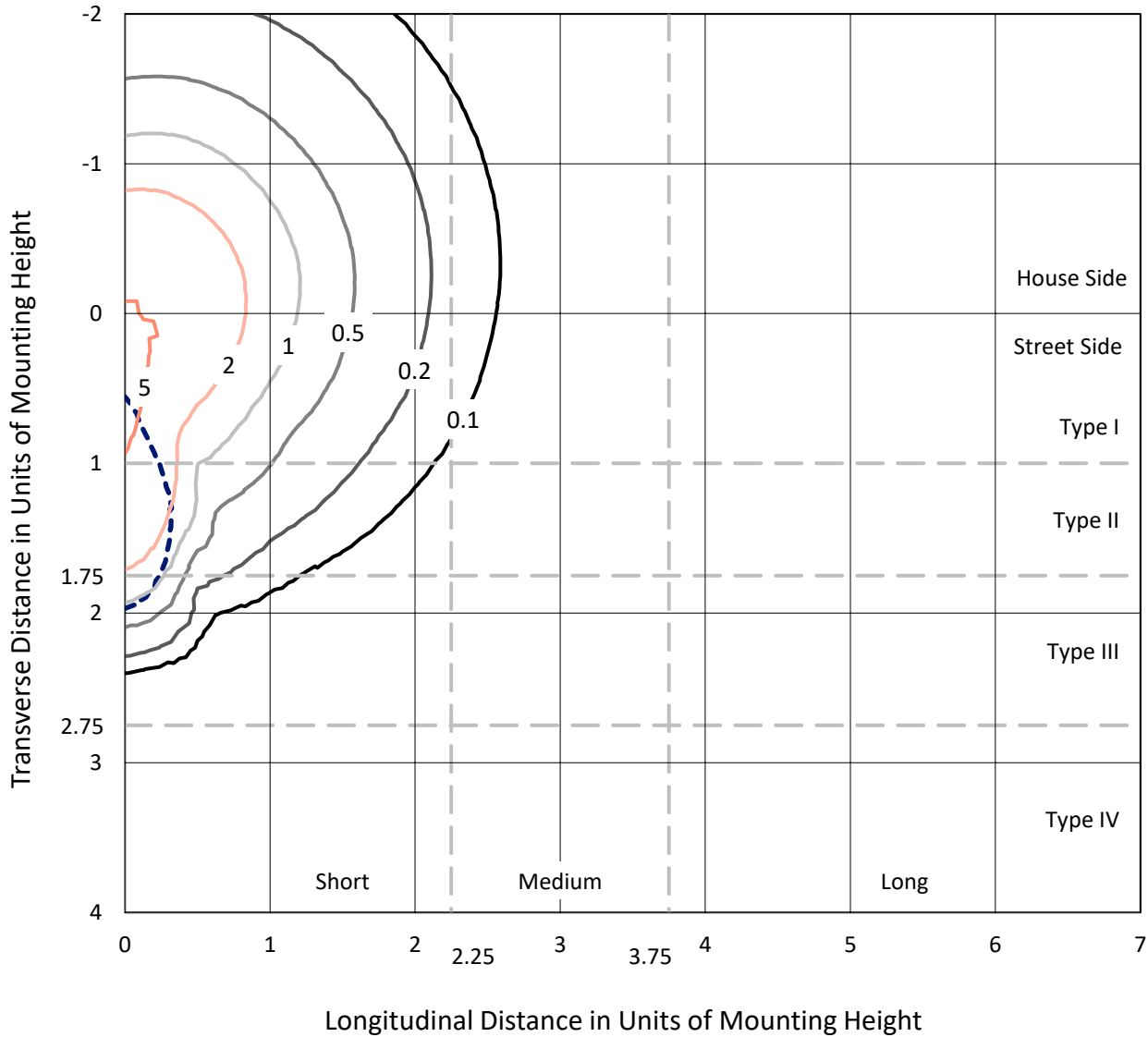
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

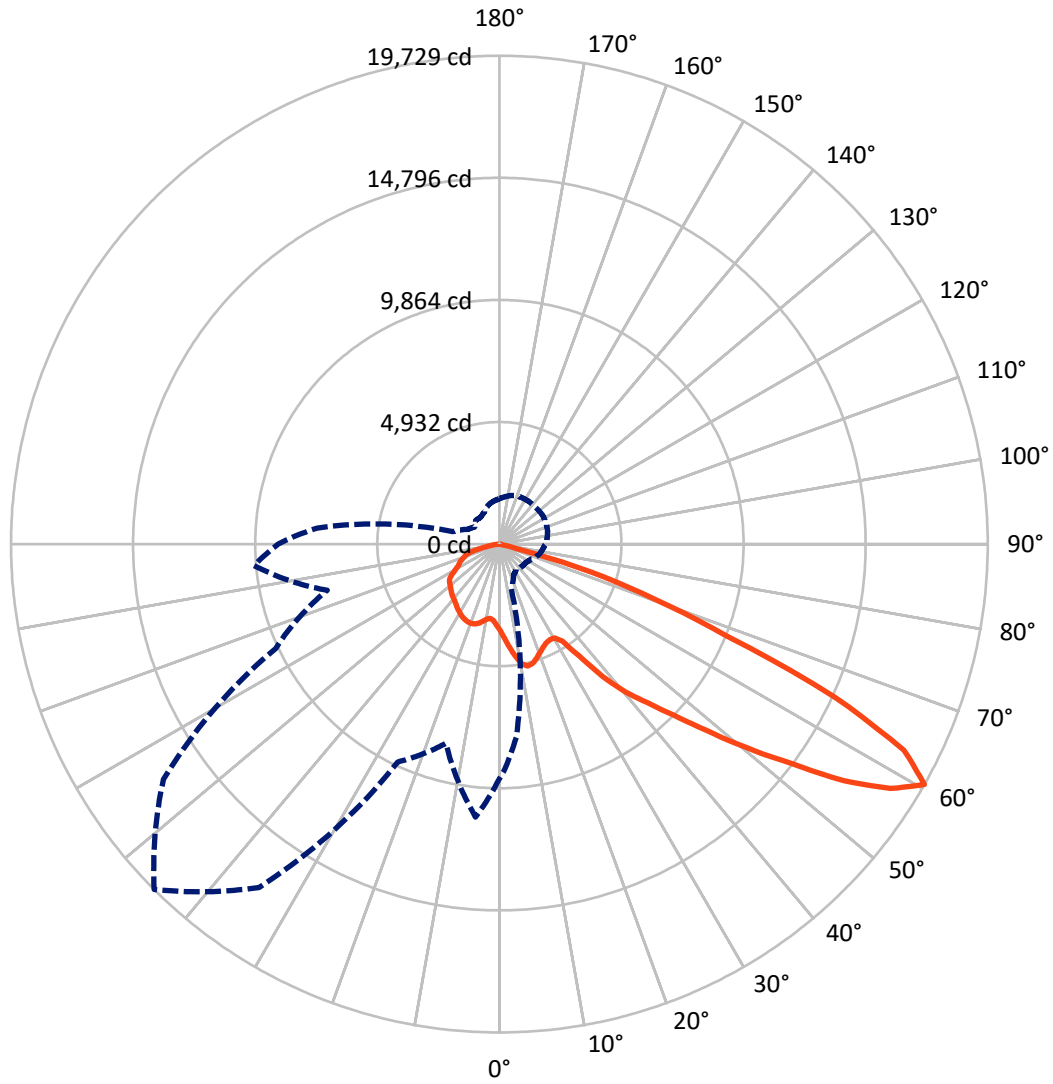
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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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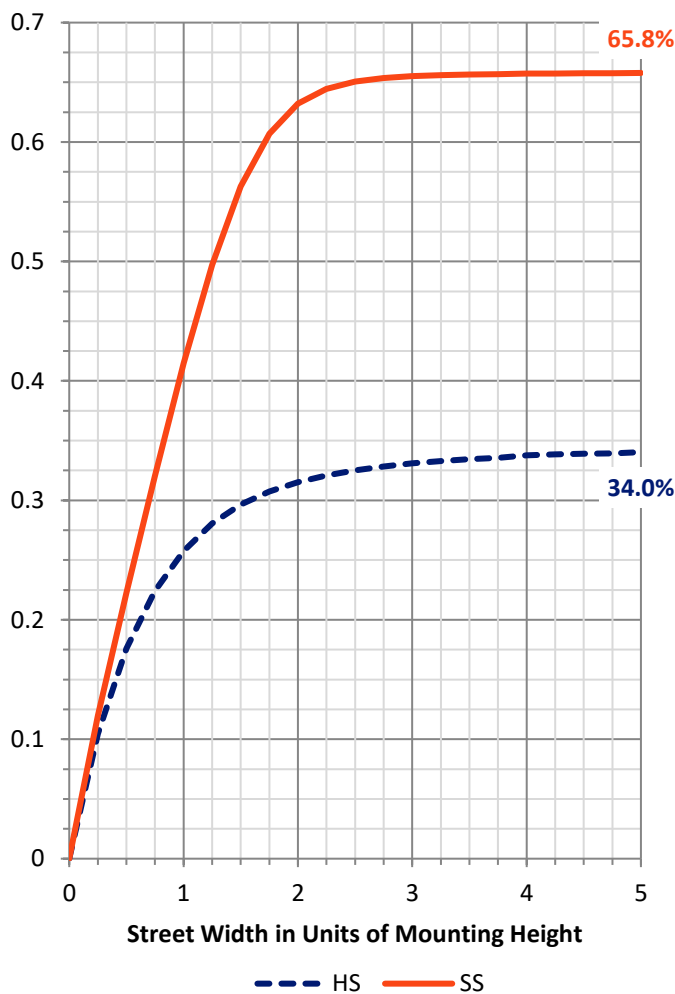
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5907.9	0.0	5907.9
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	11362.1	0.0	11362.1
	% Fixture	65.8	0.0	65.8
Total	Lumens	17270.0	0.0	17270.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.3	2.0
10°-20°	1091.5	6.3
20°-30°	1777.7	10.3
30°-40°	2497.2	14.5
40°-50°	3417.2	19.8
50°-60°	4384.1	25.4
60°-70°	2952.1	17.1
70°-80°	738.0	4.3
80°-90°	72.0	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°	17270.0	100.0
0°-180°	17270.0	100.0

Coefficient of Utilization



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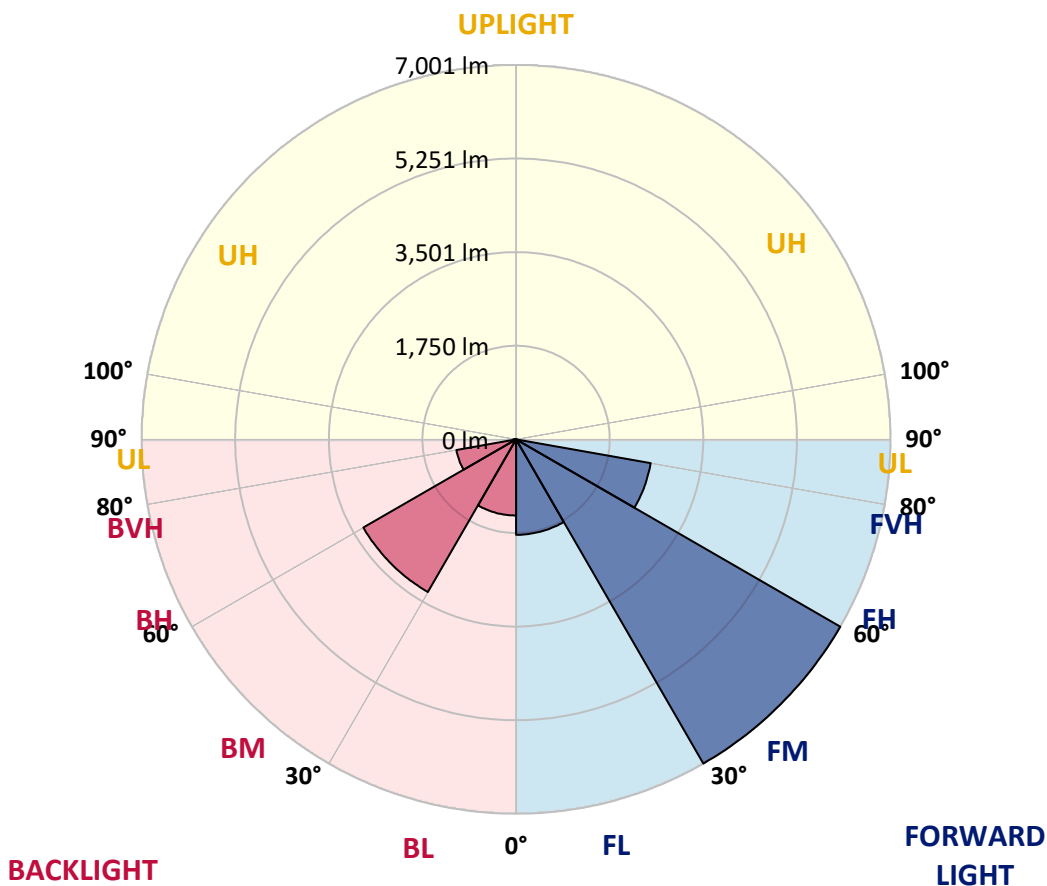
CATALOG NUMBER: GWS-SA3E-760-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1785.3	10.3			
FM (30°-60°)	7001.4	40.5			
FH (60°-80°)	2556.7	14.8			G2/5000
FVH (80°-90°)	18.7	0.1			G1/100
BL (0°-30°)	1424.2	8.2	B3/2500		
BM (30°-60°)	3297.1	19.1	B3/5000		
BH (60°-80°)	1133.4	6.6	B3/2500		G3/2500
BVH (80°-90°)	53.2	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°	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2
2.5°	3685.2	3677.2	3669.3	3607.2	3591.3	3546.8	3515.0	3475.2	3418.0	3386.2	3359.1
5°	3915.8	3903.1	3860.1	3732.9	3650.2	3559.5	3484.8	3402.1	3314.6	3257.3	3212.8
7.5°	4133.7	4130.5	4057.3	3847.4	3713.8	3583.4	3481.6	3360.7	3235.1	3149.2	3091.9
10°	4335.7	4311.8	4224.3	3950.8	3775.8	3626.3	3516.6	3383.0	3236.6	3120.5	3044.2
12.5°	4513.8	4483.6	4362.7	4046.2	3829.9	3645.4	3526.1	3416.4	3319.4	3222.3	3134.9
15°	4660.1	4623.6	4501.1	4135.3	3877.6	3634.3	3467.3	3381.4	3414.8	3457.7	3360.7
17.5°	4796.9	4758.7	4609.2	4200.5	3891.9	3565.9	3322.5	3286.0	3454.5	3650.2	3605.6
20°	4911.4	4868.5	4695.1	4232.3	3866.5	3435.5	3134.9	3198.5	3421.1	3654.9	3726.5
22.5°	5035.5	5000.5	4792.1	4278.4	3834.7	3255.7	2977.4	3133.3	3363.9	3569.1	3677.2
25°	5234.3	5191.4	4943.2	4359.5	3818.8	3087.1	2864.5	3069.6	3284.4	3470.5	3554.7
27.5°	5522.2	5442.7	5150.0	4501.1	3836.3	2928.1	2792.9	2991.7	3192.1	3351.2	3419.6
30°	5835.5	5740.1	5379.0	4647.4	3861.7	2831.1	2754.7	2902.6	3050.6	3209.6	3284.4
32.5°	6206.1	6121.8	5624.0	4757.2	3807.6	2786.5	2726.1	2805.6	2923.3	3050.6	3112.6
35°	6648.3	6497.2	5891.2	4846.2	3632.7	2721.3	2700.7	2699.1	2761.1	2885.2	2955.1
37.5°	7123.8	6961.6	6220.4	4941.7	3360.7	2617.9	2640.2	2573.4	2630.7	2729.3	2808.8
40°	7513.5	7343.3	6552.8	5072.1	3020.3	2455.7	2506.6	2435.0	2470.0	2571.8	2660.9
42.5°	7895.2	7713.9	6863.0	5220.0	2691.1	2296.7	2322.1	2295.1	2306.2	2412.8	2536.8
45°	8396.2	8192.6	7244.7	5325.0	2395.3	2171.0	2147.2	2101.0	2159.9	2298.3	2430.3
47.5°	9232.8	8989.5	7869.7	5393.4	2180.6	2099.4	1989.7	1962.7	2035.8	2190.1	2326.9
50°	10211.0	10001.0	8868.6	5390.2	2019.9	2039.0	1837.0	1813.2	1934.0	2089.9	2234.6
52.5°	11012.6	10799.4	9722.7	5231.1	1887.9	1910.2	1747.9	1681.1	1846.6	1991.3	2136.0
55°	11659.9	11419.7	10115.5	4566.3	1720.9	1705.0	1650.9	1528.5	1736.8	1892.7	2027.9
57.5°	11311.6	11025.3	9640.0	3472.0	1549.1	1448.9	1483.9	1393.3	1587.3	1782.9	1913.4
60°	9484.1	9226.4	7831.6	1848.2	1363.1	1210.4	1283.5	1297.8	1423.5	1650.9	1784.5
62.5°	6514.7	6327.0	5307.5	1121.3	1075.2	971.8	1086.3	1189.7	1283.5	1476.0	1592.1
65°	3187.3	3131.7	2654.5	718.9	752.3	785.7	900.2	1025.9	1164.2	1332.8	1455.3
67.5°	878.0	884.3	804.8	561.4	593.3	685.5	776.2	876.4	1014.7	1170.6	1294.7
70°	386.5	392.9	405.6	432.6	493.1	577.3	671.2	774.6	901.8	1032.2	1151.5
72.5°	268.8	275.2	294.2	329.2	383.3	462.8	551.9	650.5	782.5	892.3	990.9
75°	165.4	170.2	187.7	217.9	254.5	314.9	402.4	493.1	609.2	709.4	796.8
77.5°	87.5	84.3	95.4	116.1	147.9	179.7	238.6	295.8	378.5	459.7	532.8
80°	47.7	46.1	52.5	63.6	73.2	98.6	138.4	176.5	224.3	270.4	310.1
82.5°	20.7	19.1	20.7	27.0	33.4	47.7	70.0	97.0	124.1	155.9	181.3
85°	0.0	0.0	0.0	1.6	8.0	12.7	23.9	35.0	50.9	70.0	85.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	14.3
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°	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2
2.5°	3343.2	3303.4	3300.3	3268.5	3271.6	3273.2	3241.4	3228.7	3239.8	3252.6	3246.2
5°	3196.9	3155.5	3138.0	3107.8	3104.6	3090.3	3077.6	3061.7	3072.8	3084.0	3090.3
7.5°	3069.6	3042.6	3031.5	3023.5	3026.7	3020.3	2994.9	2980.6	2979.0	2983.8	2990.1
10°	3028.3	3006.0	3020.3	3042.6	3058.5	3069.6	3042.6	3018.8	2996.5	2986.9	2986.9
12.5°	3117.4	3088.7	3117.4	3141.2	3173.0	3181.0	3150.8	3125.3	3117.4	3126.9	3146.0
15°	3314.6	3247.8	3246.2	3260.5	3286.0	3298.7	3270.0	3257.3	3257.3	3317.8	3365.5
17.5°	3511.8	3402.1	3355.9	3348.0	3363.9	3368.7	3344.8	3333.7	3362.3	3480.0	3569.1
20°	3650.2	3516.6	3416.4	3397.3	3402.1	3403.7	3384.6	3376.6	3418.0	3561.1	3635.9
22.5°	3635.9	3537.3	3414.8	3390.9	3398.9	3395.7	3378.2	3375.0	3408.4	3532.5	3567.5
25°	3537.3	3460.9	3357.5	3341.6	3354.3	3352.8	3335.3	3327.3	3341.6	3424.3	3427.5
27.5°	3424.3	3357.5	3268.5	3263.7	3284.4	3295.5	3265.3	3241.4	3236.6	3292.3	3279.6
30°	3289.1	3239.8	3168.3	3171.4	3209.6	3216.0	3179.4	3144.4	3134.9	3165.1	3147.6
32.5°	3128.5	3112.6	3074.4	3082.4	3119.0	3131.7	3093.5	3056.9	3045.8	3055.3	3018.8
35°	2991.7	2985.4	2988.5	3002.8	3034.7	3044.2	3012.4	2983.8	2967.9	2934.5	2886.7
37.5°	2850.2	2867.7	2913.8	2940.8	2958.3	2955.1	2937.6	2917.0	2891.5	2829.5	2770.6
40°	2718.1	2762.7	2845.4	2875.6	2882.0	2883.6	2870.8	2853.3	2821.5	2738.8	2672.0
42.5°	2616.4	2665.7	2775.4	2821.5	2824.7	2827.9	2815.2	2800.9	2756.3	2646.6	2581.4
45°	2509.8	2575.0	2703.8	2759.5	2756.3	2754.7	2743.6	2737.2	2684.7	2557.5	2485.9
47.5°	2419.1	2495.5	2633.9	2681.6	2680.0	2678.4	2670.4	2670.4	2617.9	2479.6	2398.5
50°	2330.1	2417.5	2562.3	2602.0	2605.2	2602.0	2598.9	2603.6	2541.6	2393.7	2314.2
52.5°	2233.0	2331.7	2482.8	2519.3	2538.4	2546.4	2546.4	2535.2	2462.1	2307.8	2220.3
55°	2126.5	2220.3	2395.3	2444.6	2460.5	2474.8	2474.8	2452.5	2384.1	2228.3	2134.4
57.5°	1994.5	2077.2	2215.6	2264.9	2303.0	2312.6	2312.6	2276.0	2220.3	2070.8	1994.5
60°	1851.3	1922.9	2016.7	2069.2	2097.9	2078.8	2093.1	2083.5	2039.0	1900.6	1837.0
62.5°	1660.5	1733.6	1837.0	1891.1	1903.8	1884.7	1903.8	1902.2	1841.8	1717.7	1641.4
65°	1523.7	1595.3	1697.1	1767.0	1787.7	1782.9	1795.7	1776.6	1701.8	1584.1	1511.0
67.5°	1361.5	1437.8	1555.5	1633.4	1676.4	1681.1	1698.6	1658.9	1582.5	1453.7	1361.5
70°	1207.2	1272.4	1363.1	1436.2	1496.7	1526.9	1530.1	1472.8	1377.4	1270.8	1204.0
72.5°	1045.0	1111.8	1221.5	1301.0	1377.4	1412.4	1412.4	1342.4	1239.0	1121.3	1049.7
75°	847.7	909.8	1010.0	1095.8	1183.3	1227.9	1226.3	1165.8	1051.3	940.0	865.2
77.5°	574.2	620.3	683.9	749.1	761.8	796.8	814.3	738.0	674.4	613.9	547.1
80°	334.0	362.6	397.6	434.2	442.2	453.3	424.7	396.0	362.6	322.9	292.7
82.5°	195.6	214.7	232.2	260.8	265.6	268.8	243.3	230.6	203.6	179.7	160.6
85°	95.4	101.8	117.7	132.0	125.6	122.5	111.3	98.6	87.5	77.9	68.4
87.5°	19.1	19.1	28.6	27.0	22.3	19.1	11.1	14.3	3.2	3.2	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°	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2
2.5°	3266.9	3293.9	3327.3	3371.8	3422.7	3476.8	3529.3	3569.1	3608.8	3667.7	3658.1
5°	3099.9	3146.0	3198.5	3266.9	3349.6	3443.4	3548.4	3653.4	3766.3	3861.7	3903.1
7.5°	3002.8	3053.7	3115.8	3204.8	3311.4	3425.9	3573.8	3744.0	3926.9	4052.6	4130.5
10°	3002.8	3068.1	3149.2	3235.1	3328.9	3446.6	3629.5	3842.6	4078.0	4243.4	4334.1
12.5°	3176.2	3241.4	3258.9	3255.7	3308.2	3438.6	3674.0	3946.0	4227.5	4402.5	4513.8
15°	3446.6	3468.9	3336.9	3216.0	3223.9	3381.4	3694.7	4028.7	4356.4	4566.3	4687.2
17.5°	3627.9	3569.1	3333.7	3122.1	3077.6	3284.4	3694.7	4108.2	4493.1	4730.1	4843.0
20°	3642.2	3495.9	3252.6	3031.5	2917.0	3155.5	3669.3	4168.7	4625.1	4887.6	5008.5
22.5°	3516.6	3371.8	3166.7	2953.5	2784.9	2999.7	3627.9	4214.8	4738.1	5035.5	5185.0
25°	3373.4	3252.6	3079.2	2874.0	2694.3	2842.2	3589.7	4292.7	4895.5	5235.9	5387.0
27.5°	3233.5	3131.7	2974.2	2807.2	2643.4	2705.4	3565.9	4407.3	5083.2	5520.6	5651.0
30°	3096.7	3004.4	2861.3	2743.6	2616.4	2616.4	3545.2	4539.3	5331.3	5840.3	5970.7
32.5°	2958.3	2870.8	2754.7	2681.6	2600.5	2581.4	3487.9	4663.3	5587.4	6190.2	6323.8
35°	2829.5	2742.0	2652.9	2622.7	2592.5	2554.3	3346.4	4760.3	5837.1	6598.9	6713.5
37.5°	2708.6	2624.3	2557.5	2549.6	2552.7	2481.2	3123.7	4841.5	6148.8	7017.2	7077.7
40°	2603.6	2509.8	2457.3	2455.7	2471.6	2363.5	2842.2	4957.6	6505.1	7371.9	7346.5
42.5°	2509.8	2411.2	2347.6	2361.9	2352.3	2245.8	2567.1	5064.1	6815.3	7704.3	7653.4
45°	2417.5	2322.1	2233.0	2253.7	2242.6	2172.6	2333.3	5142.1	7158.8	8103.6	8109.9
47.5°	2328.5	2234.6	2145.6	2120.1	2118.5	2150.3	2153.5	5167.5	7718.7	8746.1	8601.4
50°	2245.8	2151.9	2059.7	1973.8	2007.2	2105.8	2019.9	5148.4	8556.8	9455.5	9051.5
52.5°	2159.9	2070.8	1969.0	1814.8	1902.2	1999.2	1900.6	5080.0	9069.0	10082.1	9840.4
55°	2061.3	1977.0	1838.6	1650.9	1757.5	1778.2	1778.2	4418.4	9286.9	10702.4	10851.9
57.5°	1929.3	1817.9	1598.4	1447.3	1542.8	1463.3	1647.7	3091.9	8927.4	10506.8	11087.3
60°	1779.8	1660.5	1428.3	1320.1	1348.7	1208.8	1404.4	1938.8	7399.0	8940.2	9945.3
62.5°	1582.5	1472.8	1280.3	1196.0	1137.2	986.1	1130.8	1226.3	5072.1	6638.7	7324.2
65°	1450.5	1329.7	1157.9	1046.5	925.7	793.7	750.7	804.8	2727.7	3715.4	4178.2
67.5°	1294.7	1175.4	1013.1	873.2	776.2	680.7	606.0	586.9	935.2	1237.4	1339.2
70°	1146.7	1032.2	897.0	766.6	669.6	575.8	502.6	450.1	432.6	429.4	423.1
72.5°	995.6	889.1	776.2	655.3	548.7	462.8	397.6	337.2	311.7	303.8	295.8
75°	815.9	731.6	618.7	488.3	402.4	322.9	272.0	232.2	209.9	202.0	192.4
77.5°	524.9	486.7	388.1	314.9	243.3	192.4	165.4	140.0	125.6	122.5	114.5
80°	279.9	260.8	214.7	181.3	144.7	117.7	103.4	89.1	81.1	77.9	74.8
82.5°	155.9	141.6	119.3	105.0	84.3	71.6	63.6	57.3	52.5	50.9	49.3
85°	70.0	60.4	47.7	44.5	39.8	36.6	35.0	31.8	30.2	28.6	27.0
87.5°	3.2	6.4	8.0	6.4	6.4	9.5	11.1	11.1	9.5	9.5	8.0
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: P635895

CATALOG NUMBER: GWS-SA3E-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2	3483.2
2.5°	3717.0	3764.7	3769.5	3785.4	3764.7	3759.9	3726.5	3707.4	3689.9	3685.2
5°	4006.4	4101.9	4140.0	4167.1	4141.6	4128.9	4055.8	3979.4	3936.5	3915.8
7.5°	4303.9	4447.0	4521.8	4555.2	4558.3	4501.1	4375.4	4232.3	4160.7	4133.7
10°	4569.5	4746.0	4844.6	4908.3	4886.0	4816.0	4644.2	4450.2	4359.5	4335.7
12.5°	4766.7	4935.3	5011.6	5053.0	5051.4	5013.2	4851.0	4641.1	4537.7	4513.8
15°	4893.9	4994.1	4998.9	5008.5	5035.5	5086.4	5002.1	4808.1	4693.5	4660.1
17.5°	4994.1	4954.4	4879.6	4854.2	4914.6	5056.2	5107.1	4949.6	4825.5	4796.9
20°	5057.8	4857.4	4725.3	4676.0	4746.0	4976.6	5170.7	5076.8	4948.0	4911.4
22.5°	5107.1	4766.7	4553.6	4520.2	4593.3	4890.8	5235.9	5227.9	5086.4	5035.5
25°	5185.0	4706.3	4432.7	4408.8	4477.2	4849.4	5323.4	5433.1	5307.5	5234.3
27.5°	5307.5	4699.9	4370.7	4362.7	4456.6	4886.0	5449.0	5733.7	5576.3	5522.2
30°	5477.7	4760.3	4385.0	4400.9	4515.4	5018.0	5644.7	6077.3	5919.8	5835.5
32.5°	5722.6	4922.6	4602.9	4671.3	4755.6	5229.5	5930.9	6449.4	6330.2	6206.1
35°	6045.5	5367.9	5247.0	5538.1	5458.6	5692.4	6276.1	6901.1	6756.4	6648.3
37.5°	6476.5	6280.8	6392.2	6793.0	6600.5	6567.1	6697.6	7311.5	7232.0	7123.8
40°	7080.9	7120.6	7325.8	7852.3	7573.9	7359.2	7214.5	7620.0	7647.1	7513.5
42.5°	7481.7	7664.6	8159.2	8757.2	8373.9	7860.2	7647.1	8014.5	8016.1	7895.2
45°	7631.2	8109.9	9143.7	9832.4	9191.4	8146.5	7885.7	8550.5	8534.6	8396.2
47.5°	7577.1	8485.3	10166.4	11219.3	10241.2	8350.1	7852.3	9313.9	9442.7	9232.8
50°	7464.2	8862.2	11360.9	12918.0	11529.5	8566.4	7801.4	10160.1	10373.2	10211.0
52.5°	7578.7	9282.1	12773.2	14673.9	13145.4	8911.5	8144.9	11246.4	11208.2	11012.6
55°	7941.3	9778.3	14489.4	16879.9	14920.4	9495.2	9027.6	12281.8	11893.7	11659.9
57.5°	7923.8	10133.0	15994.0	18624.7	16464.8	9974.0	9334.6	12391.5	11607.4	11311.6
60°	7192.2	9970.8	16566.6	19728.5	16930.8	9709.9	8324.6	11068.2	9794.2	9484.1
62.5°	5367.9	8847.9	15456.4	18346.3	15612.3	8386.7	6260.2	7944.5	7037.9	6514.7
65°	3433.9	6921.8	12994.3	14863.1	12868.7	6414.5	3728.1	4259.3	3336.9	3187.3
67.5°	1461.7	4886.0	10101.2	9934.2	9627.2	4156.0	1439.4	1199.2	893.9	878.0
70°	483.5	3324.1	6226.8	6626.0	5749.6	2862.9	475.6	402.4	400.8	386.5
72.5°	316.5	1784.5	3505.4	3903.1	3699.5	1647.7	287.9	268.8	275.2	268.8
75°	189.3	388.1	590.1	766.6	590.1	276.7	173.4	170.2	173.4	165.4
77.5°	111.3	108.2	105.0	105.0	103.4	95.4	87.5	84.3	85.9	87.5
80°	71.6	68.4	65.2	63.6	55.7	52.5	49.3	46.1	46.1	47.7
82.5°	46.1	42.9	39.8	35.0	28.6	23.9	22.3	19.1	19.1	20.7
85°	23.9	19.1	14.3	11.1	6.4	3.2	0.0	0.0	0.0	0.0
87.5°	4.8	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)