

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: P635404

Luminaire Tested: GWS-SA3D-760-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT 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: 13891.2 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

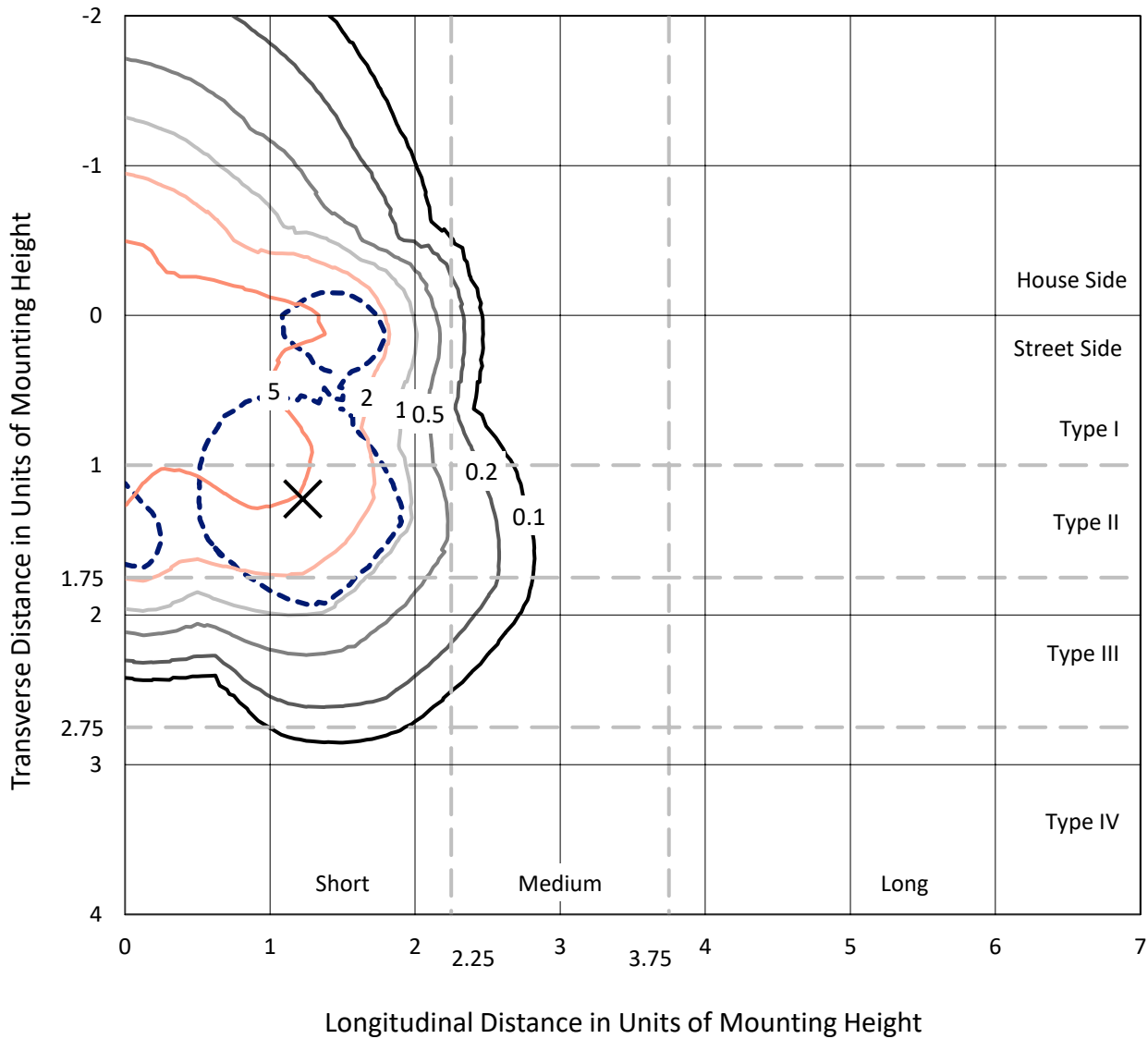
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

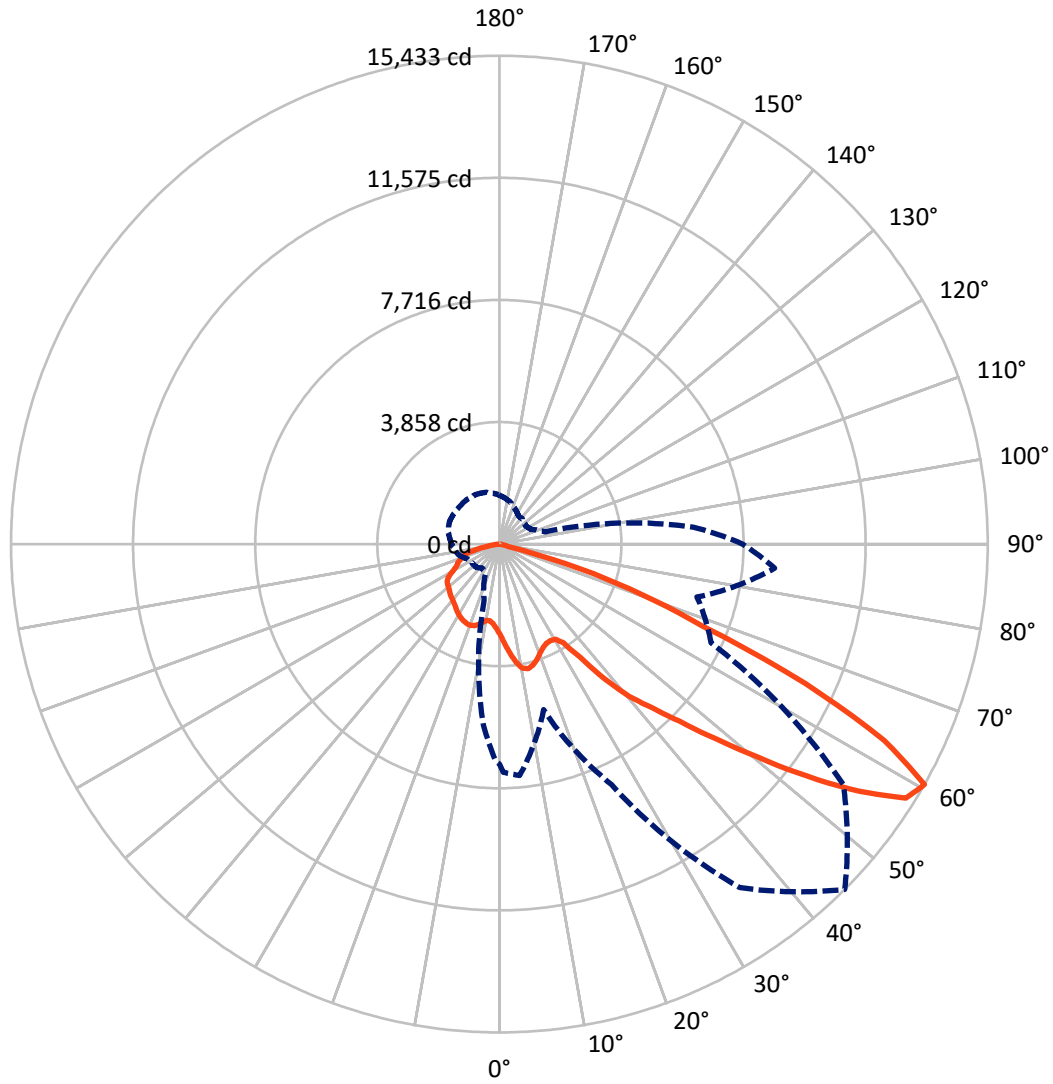
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4869.4	0.0	4869.4
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	9021.8	0.0	9021.8
	% Fixture	64.9	0.0	64.9
Total	Lumens	13891.2	0.0	13891.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.4	2.0
10°-20°	879.8	6.3
20°-30°	1429.2	10.3
30°-40°	2015.5	14.5
40°-50°	2785.4	20.1
50°-60°	3585.7	25.8
60°-70°	2271.9	16.4
70°-80°	583.0	4.2
80°-90°	62.3	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°	13891.2	100.0
0°-180°	13891.2	100.0

Coefficient of Utilization



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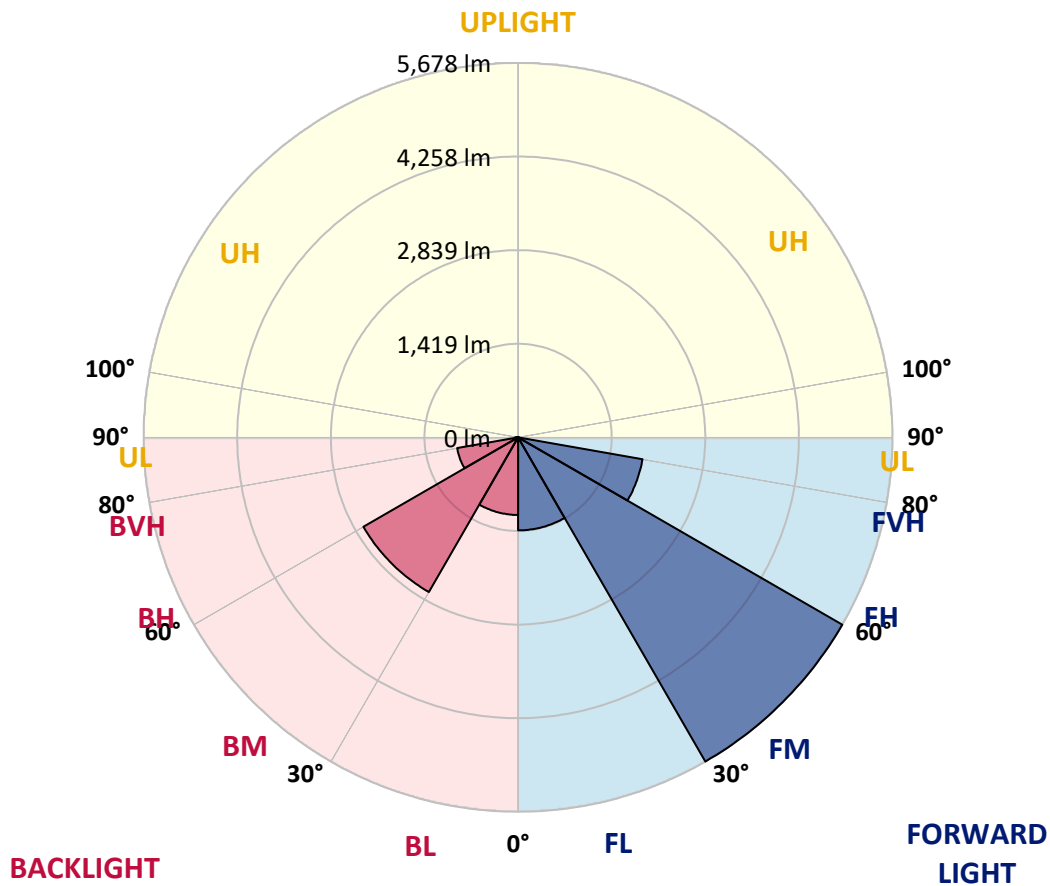
CATALOG NUMBER: GWS-SA3D-760-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1410.5	10.2			
FM (30°-60°)	5677.9	40.9			
FH (60°-80°)	1916.5	13.8			G2/5000
FVH (80°-90°)	16.9	0.1			G1/100
BL (0°-30°)	1176.9	8.5	B3/2500		
BM (30°-60°)	2708.7	19.5	B3/5000		
BH (60°-80°)	938.4	6.8	B2/1000		G2/1000
BVH (80°-90°)	45.4	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7
2.5°	2984.8	3005.1	3017.9	3042.0	3085.3	3109.5	3136.2	3107.0	3114.6	3110.8	3063.7
5°	3161.7	3185.9	3219.0	3290.2	3370.4	3415.0	3457.0	3450.6	3411.2	3345.0	3297.9
7.5°	3327.1	3355.2	3412.4	3528.3	3646.6	3715.4	3766.3	3733.2	3700.1	3595.7	3477.3
10°	3457.0	3473.5	3551.2	3706.4	3843.9	3921.6	3983.9	3976.3	3930.5	3813.4	3654.3
12.5°	3579.2	3590.6	3674.6	3829.9	3953.4	3987.7	4038.7	4055.2	4039.9	3952.1	3795.5
15°	3710.3	3731.9	3809.5	3927.9	3983.9	3948.3	3966.1	4011.9	4055.2	4055.2	3911.4
17.5°	3832.5	3851.5	3930.5	3981.4	3927.9	3833.7	3838.8	3897.4	4000.5	4108.7	4017.0
20°	3940.6	3958.5	4036.1	3987.7	3818.5	3681.0	3677.2	3748.5	3915.2	4143.0	4130.3
22.5°	4059.0	4084.5	4149.4	3992.8	3716.6	3542.3	3541.0	3614.8	3840.1	4177.4	4260.1
25°	4227.0	4266.5	4299.6	4037.4	3661.9	3451.9	3468.4	3538.4	3815.9	4233.4	4452.3
27.5°	4476.5	4508.3	4505.8	4130.3	3659.4	3415.0	3449.3	3530.8	3859.2	4332.7	4654.7
30°	4746.3	4762.9	4736.2	4260.1	3717.9	3437.9	3488.8	3585.5	3968.6	4496.9	4952.5
32.5°	5045.5	5065.8	5014.9	4454.9	3854.1	3607.2	3719.2	3766.3	4122.7	4733.6	5268.2
35°	5389.1	5428.6	5322.9	4712.0	4255.0	4224.5	4387.4	4326.3	4449.8	5013.6	5605.5
37.5°	5750.6	5751.9	5600.4	5092.5	5041.6	5093.8	5419.7	5228.7	5143.5	5325.5	5949.2
40°	6057.3	6049.7	5816.8	5605.5	5726.4	5933.9	6327.2	6034.4	5810.4	5744.2	6234.3
42.5°	6364.1	6336.1	6100.6	5931.3	6198.6	6625.0	7069.2	6710.3	6238.1	6124.8	6515.6
45°	6756.1	6747.2	6463.4	6061.2	6625.0	7398.9	7988.2	7406.5	6491.4	6346.3	6984.0
47.5°	7388.7	7345.4	6817.2	6051.0	7024.7	8429.9	9174.5	8283.5	6668.3	6351.4	7740.0
50°	8007.3	7953.8	7239.8	6049.7	7437.1	9499.0	10574.6	9348.9	6849.0	6381.9	8508.8
52.5°	8632.3	8632.3	7933.5	6193.5	7869.8	10693.0	12192.3	10676.4	7157.1	6781.6	9454.5
55°	9003.9	9103.2	8713.7	6436.6	8376.4	12098.1	13792.3	12109.6	7633.1	7503.3	10327.7
57.5°	8531.7	8717.5	8661.5	6267.4	8675.5	13130.4	15149.1	13196.6	7868.6	7588.5	10196.6
60°	6952.1	7210.5	7339.1	5412.0	8380.2	13250.0	15432.9	13267.9	7382.3	6462.1	8734.1
62.5°	4621.6	4834.2	5030.2	3866.8	7255.1	11919.9	13649.7	11923.8	6165.5	4822.7	6051.0
65°	2266.9	2424.7	2636.0	2286.0	5667.9	9959.8	10642.0	9635.2	4460.0	2699.6	3086.6
67.5°	593.1	637.7	667.0	887.2	4060.3	7155.8	6940.7	7047.6	2865.1	882.1	807.0
70°	308.0	310.6	309.3	366.6	2744.2	4547.8	4783.3	4425.6	1999.6	369.1	318.2
72.5°	220.2	221.5	217.7	246.9	1325.0	2605.5	2699.6	2670.4	1047.5	218.9	217.7
75°	143.8	145.1	142.6	145.1	199.8	296.6	273.7	287.7	174.4	138.7	138.7
77.5°	85.3	86.6	85.3	87.8	85.3	85.3	78.9	78.9	75.1	75.1	76.4
80°	57.3	57.3	56.0	58.5	53.5	53.5	50.9	49.6	45.8	44.5	44.5
82.5°	34.4	35.6	34.4	34.4	31.8	31.8	29.3	28.0	24.2	24.2	22.9
85°	17.8	17.8	16.5	16.5	14.0	12.7	10.2	10.2	7.6	6.4	6.4
87.5°	2.5	2.5	1.3	1.3	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7
2.5°	3050.9	3025.5	2987.3	2950.4	2916.0	2880.4	2839.7	2797.7	2762.0	2725.1	2706.0
5°	3235.5	3183.3	3084.0	2996.2	2917.3	2852.4	2782.4	2722.6	2666.6	2620.7	2597.8
7.5°	3402.2	3320.8	3170.6	3031.9	2924.9	2835.8	2739.1	2650.0	2574.9	2518.9	2497.3
10°	3556.3	3459.5	3262.2	3086.6	2961.8	2862.6	2744.2	2623.3	2524.0	2450.2	2432.4
12.5°	3681.0	3570.3	3334.8	3131.1	2983.5	2876.6	2772.2	2667.8	2569.8	2474.4	2459.1
15°	3791.7	3660.6	3389.5	3159.1	2975.9	2839.7	2751.8	2739.1	2739.1	2630.9	2600.4
17.5°	3887.2	3743.4	3434.1	3171.9	2927.5	2730.2	2676.7	2787.5	2912.2	2834.6	2765.8
20°	3996.7	3822.3	3471.0	3171.9	2838.4	2591.5	2586.4	2774.7	2959.3	2960.6	2888.0
22.5°	4107.4	3913.9	3514.3	3160.4	2716.2	2431.1	2525.3	2723.8	2888.0	2958.0	2908.4
25°	4286.9	4041.2	3583.0	3151.5	2573.6	2321.6	2470.5	2656.4	2795.1	2868.9	2837.1
27.5°	4514.7	4209.2	3687.4	3165.5	2432.4	2256.7	2412.0	2568.5	2694.6	2759.5	2736.6
30°	4769.3	4402.7	3799.4	3189.7	2330.5	2223.6	2342.0	2468.0	2580.0	2644.9	2634.7
32.5°	5093.8	4612.7	3896.1	3156.6	2273.3	2207.1	2268.2	2358.5	2466.7	2507.5	2516.4
35°	5482.0	4844.3	3969.9	3026.8	2221.1	2189.2	2188.0	2244.0	2320.3	2385.3	2391.6
37.5°	5839.7	5115.5	4051.4	2804.0	2126.9	2144.7	2093.8	2126.9	2202.0	2266.9	2292.3
40°	6193.5	5390.4	4164.7	2520.2	2003.4	2045.4	1985.6	2008.5	2068.3	2153.6	2194.3
42.5°	6537.2	5638.6	4284.3	2230.0	1880.0	1906.7	1862.1	1885.0	1947.4	2054.3	2100.2
45°	6911.4	5974.6	4377.2	1956.3	1773.0	1761.6	1725.9	1759.0	1853.2	1970.3	2025.1
47.5°	7619.1	6504.1	4438.3	1774.3	1715.8	1633.0	1592.3	1663.6	1770.5	1888.9	1955.0
50°	8483.3	7270.3	4420.5	1658.5	1666.1	1500.7	1486.7	1580.8	1695.4	1818.9	1891.4
52.5°	9168.1	8022.6	4218.1	1547.7	1569.4	1416.6	1375.9	1513.4	1622.8	1748.9	1823.9
55°	9691.2	8275.9	3597.0	1416.6	1411.6	1355.6	1270.3	1443.4	1550.3	1667.4	1748.9
57.5°	9264.8	7712.0	2666.6	1235.9	1205.4	1234.6	1151.9	1325.0	1461.2	1577.0	1649.6
60°	7689.1	6149.0	1485.4	1094.6	1008.1	1079.4	1066.6	1200.3	1364.5	1486.7	1549.0
62.5°	5219.8	4094.7	880.8	865.5	817.1	919.0	986.4	1074.3	1235.9	1335.2	1393.7
65°	2601.6	1989.4	585.5	647.9	654.2	756.1	883.3	980.1	1115.0	1216.8	1275.4
67.5°	754.8	618.6	445.5	495.1	563.9	645.3	747.1	861.7	992.8	1113.7	1182.4
70°	325.8	329.7	353.8	412.4	479.9	563.9	665.7	777.7	888.4	981.3	1033.5
72.5°	230.4	239.3	266.0	325.8	389.5	469.7	571.5	679.7	759.9	854.1	908.8
75°	147.6	154.0	175.6	221.5	268.6	346.2	442.9	542.2	625.0	692.4	744.6
77.5°	81.5	82.7	100.6	127.3	159.1	208.7	280.0	357.7	418.8	456.9	504.0
80°	47.1	47.1	56.0	72.6	91.6	122.2	161.6	199.8	236.7	260.9	283.8
82.5°	25.5	25.5	29.3	39.5	49.6	67.5	90.4	109.5	132.4	145.1	160.4
85°	7.6	7.6	10.2	14.0	17.8	25.5	35.6	45.8	56.0	64.9	73.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7
2.5°	2702.2	2684.4	2674.2	2661.5	2665.3	2653.8	2647.5	2651.3	2628.4	2651.3	2674.2
5°	2588.9	2563.5	2543.1	2526.5	2518.9	2503.6	2494.7	2494.7	2480.7	2503.6	2531.6
7.5°	2489.6	2469.3	2459.1	2448.9	2437.4	2423.4	2408.2	2403.1	2394.2	2418.4	2442.5
10°	2423.4	2426.0	2432.4	2446.4	2443.8	2434.9	2412.0	2399.3	2399.3	2427.3	2464.2
12.5°	2454.0	2480.7	2496.0	2521.5	2526.5	2518.9	2496.0	2485.8	2511.3	2553.3	2614.4
15°	2572.4	2590.2	2602.9	2623.3	2622.0	2615.6	2597.8	2605.5	2689.5	2770.9	2825.7
17.5°	2700.9	2680.6	2678.0	2690.7	2694.6	2686.9	2676.7	2711.1	2849.8	2926.2	2954.2
20°	2793.8	2723.8	2708.6	2713.6	2723.8	2720.0	2720.0	2776.0	2919.8	2955.5	2919.8
22.5°	2821.8	2722.6	2699.6	2700.9	2714.9	2716.2	2722.6	2781.1	2865.1	2866.4	2811.7
25°	2777.3	2681.8	2665.3	2667.8	2684.4	2683.1	2685.6	2718.7	2755.7	2740.4	2699.6
27.5°	2693.3	2610.6	2605.5	2619.5	2641.1	2629.6	2622.0	2630.9	2648.7	2629.6	2594.0
30°	2597.8	2527.8	2530.4	2557.1	2580.0	2560.9	2541.8	2546.9	2548.2	2527.8	2487.1
32.5°	2497.3	2445.1	2454.0	2482.0	2508.7	2488.4	2468.0	2465.4	2441.3	2417.1	2377.6
35°	2396.7	2376.4	2387.8	2410.7	2433.6	2417.1	2404.4	2396.7	2344.5	2308.9	2275.8
37.5°	2305.1	2320.3	2340.7	2354.7	2362.4	2361.1	2353.4	2335.6	2266.9	2224.9	2181.6
40°	2223.6	2270.7	2292.3	2298.7	2310.2	2307.6	2306.3	2280.9	2190.5	2146.0	2096.3
42.5°	2149.8	2216.0	2252.9	2259.3	2265.6	2266.9	2263.1	2226.2	2123.1	2070.9	2023.8
45°	2078.5	2165.1	2212.2	2205.8	2214.7	2214.7	2218.5	2170.2	2056.9	2003.4	1953.8
47.5°	2016.1	2118.0	2161.2	2153.6	2158.7	2162.5	2166.3	2110.3	1984.3	1933.4	1882.5
50°	1958.9	2067.1	2104.0	2106.5	2106.5	2115.4	2114.2	2059.4	1923.2	1868.5	1817.6
52.5°	1897.8	2014.9	2054.3	2070.9	2076.0	2079.8	2062.0	1998.3	1860.9	1794.7	1747.6
55°	1826.5	1961.4	1997.1	2018.7	2028.9	2026.3	2002.1	1937.2	1797.2	1731.0	1677.6
57.5°	1718.3	1846.9	1897.8	1908.0	1924.5	1914.3	1886.3	1831.6	1695.4	1629.2	1574.5
60°	1599.9	1692.8	1733.6	1742.5	1729.8	1733.6	1729.8	1677.6	1559.2	1507.0	1451.0
62.5°	1444.6	1527.4	1570.7	1582.1	1560.5	1574.5	1569.4	1504.5	1386.1	1331.4	1281.7
65°	1327.5	1417.9	1468.8	1475.2	1468.8	1475.2	1457.4	1378.5	1266.5	1210.5	1159.5
67.5°	1235.9	1328.8	1382.3	1400.1	1393.7	1392.5	1364.5	1272.8	1157.0	1095.9	1031.0
70°	1078.1	1159.5	1228.3	1271.5	1271.5	1247.4	1193.9	1108.6	1015.7	963.5	912.6
72.5°	954.6	1057.7	1125.2	1169.7	1178.6	1164.6	1089.5	999.2	892.2	840.1	786.6
75°	786.6	887.2	959.7	1018.3	1029.7	1014.4	927.9	838.8	739.5	688.6	635.1
77.5°	525.7	585.5	644.0	697.5	686.0	696.2	637.7	570.2	509.1	470.9	446.8
80°	296.6	336.0	353.8	383.1	383.1	383.1	344.9	313.1	278.7	257.1	232.9
82.5°	168.0	193.5	201.1	225.3	231.7	232.9	207.5	187.1	165.5	154.0	137.5
85°	77.6	91.6	92.9	106.9	112.0	122.2	110.7	96.7	84.0	78.9	68.7
87.5°	2.5	7.6	10.2	19.1	25.5	29.3	31.8	31.8	26.7	24.2	20.4
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: P635404

CATALOG NUMBER: GWS-SA3D-760-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7	2853.7
2.5°	2702.2	2732.7	2768.4	2793.8	2839.7	2877.8	2917.3	2960.6	2992.4	2984.8
5°	2566.0	2616.9	2681.8	2741.7	2826.9	2913.5	3008.9	3107.0	3164.2	3161.7
7.5°	2489.6	2562.2	2641.1	2721.3	2821.8	2946.6	3092.9	3245.7	3323.3	3327.1
10°	2530.4	2608.0	2661.5	2728.9	2834.6	2991.1	3166.8	3350.1	3439.2	3457.0
12.5°	2658.9	2652.6	2648.7	2697.1	2824.4	3022.9	3238.1	3457.0	3557.5	3579.2
15°	2781.1	2650.0	2571.1	2604.2	2778.6	3043.3	3308.1	3574.1	3687.4	3710.3
17.5°	2804.0	2605.5	2459.1	2482.0	2706.0	3049.7	3375.5	3688.6	3810.8	3832.5
20°	2740.4	2548.2	2377.6	2345.8	2614.4	3033.1	3417.5	3784.1	3917.7	3940.6
22.5°	2660.2	2497.3	2316.5	2233.8	2502.4	3016.6	3464.6	3884.6	4038.7	4059.0
25°	2576.2	2432.4	2259.3	2133.2	2375.1	3006.4	3543.5	4017.0	4202.8	4227.0
27.5°	2487.1	2353.4	2209.6	2084.9	2258.0	3019.1	3655.5	4230.8	4442.1	4476.5
30°	2391.6	2274.5	2177.8	2068.3	2177.8	3030.6	3779.0	4449.8	4698.0	4746.3
32.5°	2292.3	2202.0	2144.7	2076.0	2128.2	3003.9	3887.2	4695.4	5003.5	5045.5
35°	2193.1	2128.2	2102.7	2090.0	2062.0	2905.8	3975.0	4943.6	5352.2	5389.1
37.5°	2100.2	2051.8	2044.1	2058.1	1960.1	2745.5	4076.8	5259.3	5694.6	5750.6
40°	2013.6	1969.1	1967.8	1965.2	1848.1	2526.5	4214.3	5580.0	6031.9	6057.3
42.5°	1933.4	1877.4	1887.6	1857.0	1756.5	2289.8	4344.1	5853.7	6346.3	6364.1
45°	1862.1	1788.3	1799.8	1761.6	1713.2	2041.6	4458.7	6177.0	6744.7	6756.1
47.5°	1793.4	1714.5	1682.7	1680.1	1705.6	1812.5	4570.7	6799.4	7368.3	7388.7
50°	1729.8	1644.5	1554.1	1610.1	1658.5	1640.7	4710.7	7466.4	8012.4	8007.3
52.5°	1668.7	1556.7	1428.1	1536.3	1536.3	1513.4	4671.2	7871.1	8544.4	8632.3
55°	1598.7	1415.4	1297.0	1412.8	1356.8	1398.8	3972.5	8003.5	8879.2	9003.9
57.5°	1459.9	1241.0	1137.9	1200.3	1116.3	1297.0	2853.7	7346.7	8310.2	8531.7
60°	1326.3	1112.4	1045.0	1033.5	924.1	1057.7	1849.4	5751.9	6840.1	6952.1
62.5°	1169.7	1001.7	944.4	856.6	743.3	770.1	1120.1	3785.4	4596.1	4621.6
65°	1051.3	907.5	798.1	693.7	608.4	558.8	661.9	1825.2	2297.4	2266.9
67.5°	902.4	777.7	673.3	598.2	528.2	465.9	440.4	542.2	613.5	593.1
70°	803.1	683.5	583.0	511.7	446.8	384.4	339.8	319.5	313.1	308.0
72.5°	692.4	588.0	483.7	414.9	353.8	296.6	255.8	231.7	225.3	220.2
75°	552.4	454.4	358.9	294.0	240.6	199.8	173.1	152.7	148.9	143.8
77.5°	365.3	291.5	213.8	174.4	142.6	120.9	103.1	90.4	87.8	85.3
80°	201.1	168.0	131.1	105.6	85.3	73.8	67.5	59.8	58.5	57.3
82.5°	119.6	100.6	75.1	59.8	49.6	44.5	40.7	36.9	35.6	34.4
85°	59.8	47.1	33.1	28.0	25.5	22.9	22.9	19.1	17.8	17.8
87.5°	15.3	12.7	7.6	6.4	6.4	6.4	5.1	3.8	3.8	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)