

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: P635235

Luminaire Tested: GWS-SA3D-735-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635235
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-SA3D-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13510.3 lumens
Efficiency: N/A
Efficacy: 111.8 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

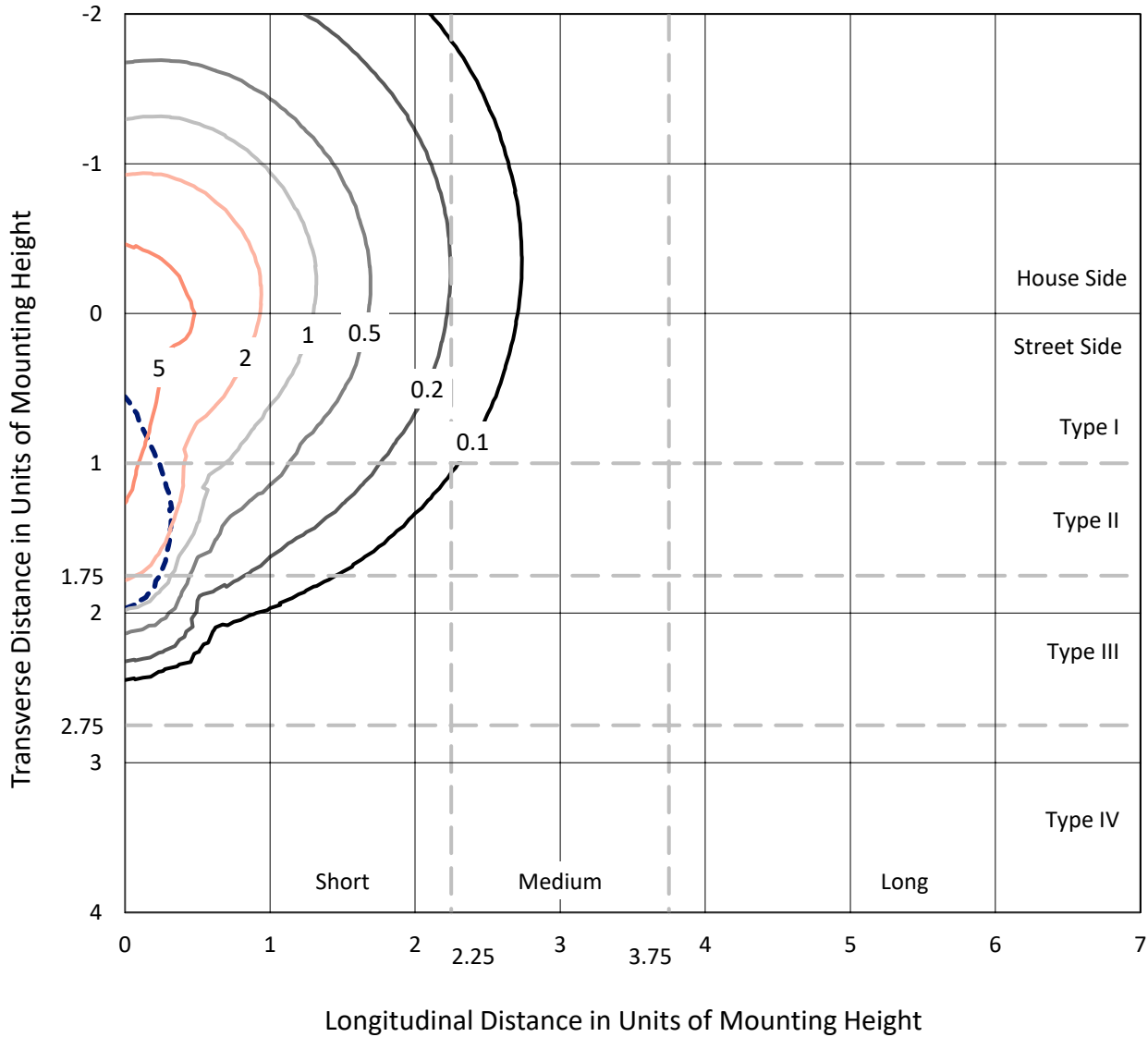
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

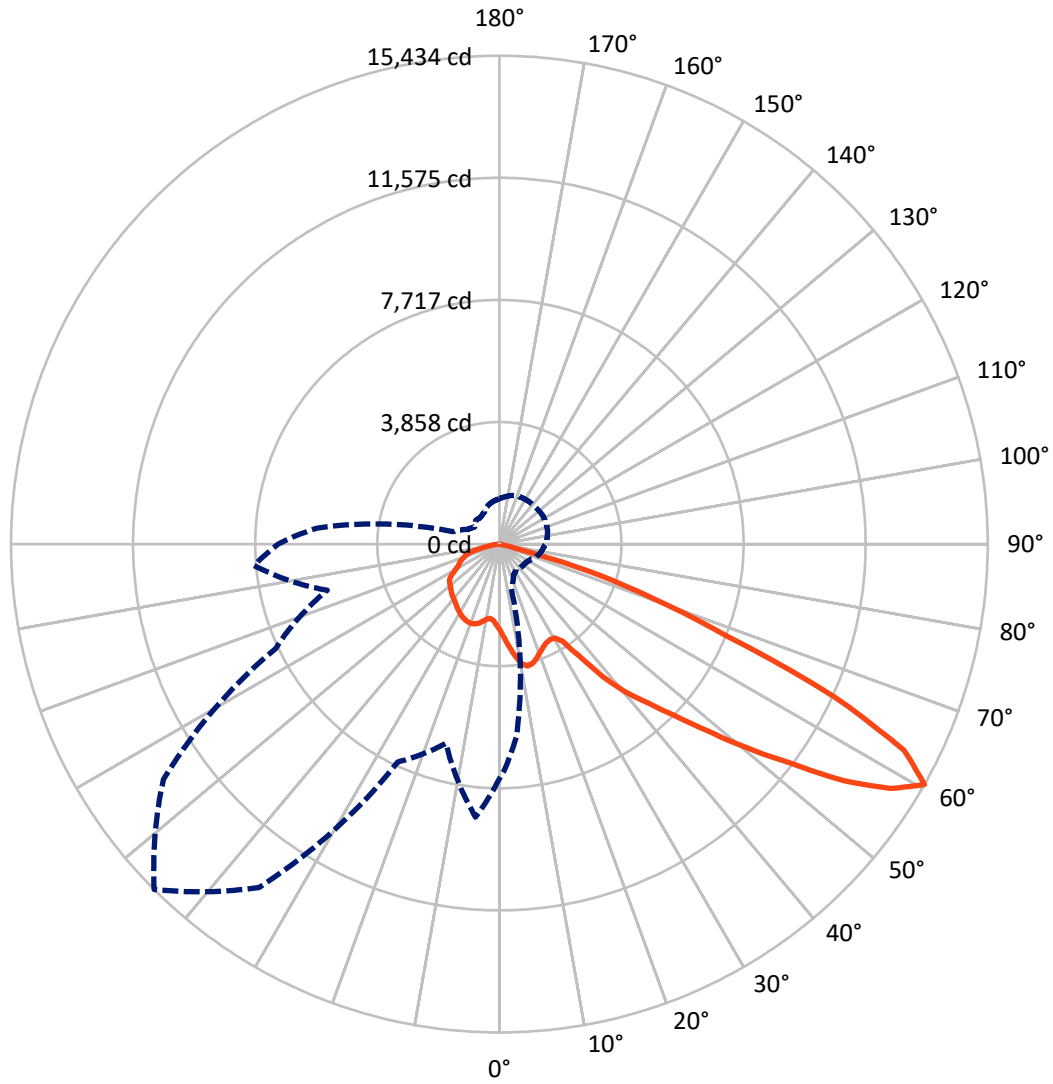
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.2 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	4621.8	0.0	4621.8
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	8888.5	0.0	8888.5
	% Fixture	65.8	0.0	65.8
Total	Lumens	13510.3	0.0	13510.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.2	2.0
10°-20°	853.9	6.3
20°-30°	1390.7	10.3
30°-40°	1953.6	14.5
40°-50°	2673.3	19.8
50°-60°	3429.7	25.4
60°-70°	2309.4	17.1
70°-80°	577.4	4.3
80°-90°	56.3	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°	13510.3	100.0
0°-180°	13510.3	100.0

Coefficient of Utilization

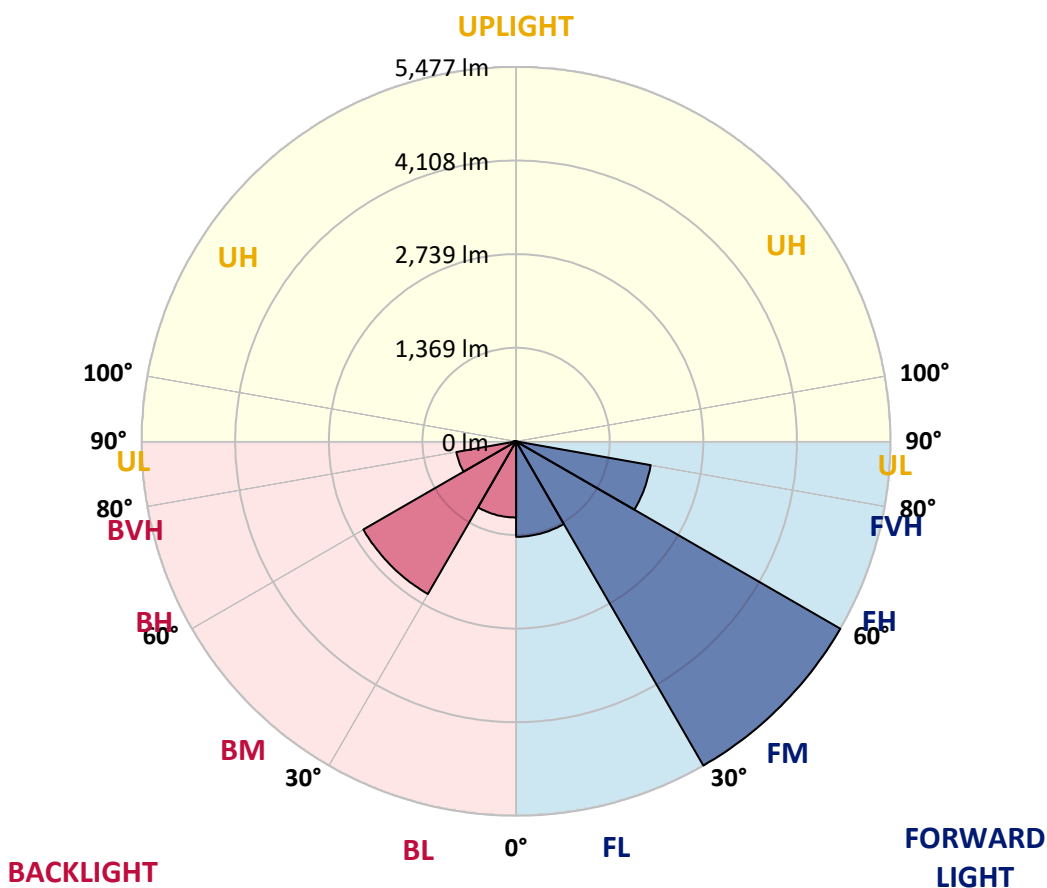


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1396.7	10.3			
FM (30°-60°)	5477.2	40.5			
FH (60°-80°)	2000.1	14.8			G2/5000
FVH (80°-90°)	14.6	0.1			G1/100
BL (0°-30°)	1114.1	8.2	B3/2500		
BM (30°-60°)	2579.3	19.1	B3/5000		
BH (60°-80°)	886.7	6.6	B2/1000		G2/1000
BVH (80°-90°)	41.7	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-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9
2.5°	2882.9	2876.7	2870.5	2821.9	2809.5	2774.7	2749.8	2718.7	2673.9	2649.0	2627.8
5°	3063.3	3053.4	3019.8	2920.2	2855.5	2784.6	2726.1	2661.4	2593.0	2548.2	2513.4
7.5°	3233.8	3231.3	3174.1	3009.8	2905.3	2803.3	2723.6	2629.1	2530.8	2463.6	2418.8
10°	3391.8	3373.1	3304.7	3090.7	2953.8	2836.9	2751.0	2646.5	2532.0	2441.2	2381.5
12.5°	3531.2	3507.5	3412.9	3165.3	2996.1	2851.8	2758.5	2672.6	2596.7	2520.8	2452.4
15°	3645.6	3617.0	3521.2	3235.0	3033.5	2843.1	2712.4	2645.3	2671.4	2705.0	2629.1
17.5°	3752.6	3722.8	3605.8	3286.0	3044.7	2789.6	2599.2	2570.6	2702.5	2855.5	2820.7
20°	3842.2	3808.6	3673.0	3310.9	3024.7	2687.6	2452.4	2502.2	2676.4	2859.3	2915.3
22.5°	3939.3	3911.9	3748.9	3347.0	2999.9	2547.0	2329.2	2451.2	2631.6	2792.1	2876.7
25°	4094.8	4061.2	3867.1	3410.5	2987.4	2415.1	2240.9	2401.4	2569.4	2714.9	2780.9
27.5°	4320.0	4257.8	4028.8	3521.2	3001.1	2290.6	2184.9	2340.4	2497.2	2621.6	2675.1
30°	4565.1	4490.5	4208.0	3635.7	3021.0	2214.7	2155.0	2270.7	2386.5	2510.9	2569.4
32.5°	4855.0	4789.1	4399.6	3721.5	2978.7	2179.9	2132.6	2194.8	2286.9	2386.5	2435.0
35°	5200.9	5082.7	4608.7	3791.2	2841.8	2128.9	2112.7	2111.5	2160.0	2257.0	2311.8
37.5°	5572.9	5446.0	4866.2	3865.9	2629.1	2048.0	2065.4	2013.2	2058.0	2135.1	2197.3
40°	5877.8	5744.7	5126.3	3967.9	2362.8	1921.1	1960.9	1904.9	1932.3	2011.9	2081.6
42.5°	6176.4	6034.6	5368.9	4083.6	2105.3	1796.7	1816.6	1795.4	1804.1	1887.5	1984.6
45°	6568.3	6409.1	5667.5	4165.7	1873.8	1698.4	1679.7	1643.6	1689.7	1797.9	1901.2
47.5°	7222.8	7032.4	6156.5	4219.2	1705.9	1642.4	1556.5	1535.4	1592.6	1713.3	1820.3
50°	7988.0	7823.8	6937.9	4216.7	1580.2	1595.1	1437.1	1418.4	1513.0	1634.9	1748.2
52.5°	8615.1	8448.4	7606.0	4092.3	1476.9	1494.3	1367.4	1315.2	1444.6	1557.8	1671.0
55°	9121.5	8933.6	7913.4	3572.2	1346.3	1333.8	1291.5	1195.7	1358.7	1480.6	1586.4
57.5°	8849.0	8625.1	7541.3	2716.2	1211.9	1133.5	1160.9	1090.0	1241.8	1394.8	1496.8
60°	7419.4	7217.8	6126.6	1445.8	1066.3	946.9	1004.1	1015.3	1113.6	1291.5	1396.0
62.5°	5096.4	4949.6	4152.0	877.2	841.1	760.2	849.8	930.7	1004.1	1154.7	1245.5
65°	2493.5	2449.9	2076.6	562.4	588.5	614.7	704.2	802.5	910.8	1042.7	1138.5
67.5°	686.8	691.8	629.6	439.2	464.1	536.3	607.2	685.6	793.8	915.8	1012.8
70°	302.4	307.3	317.3	338.4	385.7	451.7	525.1	605.9	705.5	807.5	900.8
72.5°	210.3	215.3	230.2	257.6	299.9	362.1	431.8	508.9	612.2	698.0	775.2
75°	129.4	133.1	146.8	170.5	199.1	246.4	314.8	385.7	476.5	554.9	623.4
77.5°	68.4	65.9	74.7	90.8	115.7	140.6	186.6	231.4	296.1	359.6	416.8
80°	37.3	36.1	41.1	49.8	57.2	77.1	108.2	138.1	175.4	211.5	242.6
82.5°	16.2	14.9	16.2	21.2	26.1	37.3	54.7	75.9	97.1	121.9	141.8
85°	0.0	0.0	0.0	1.2	6.2	10.0	18.7	27.4	39.8	54.7	67.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	11.2
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°	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9
2.5°	2615.4	2584.3	2581.8	2556.9	2559.4	2560.6	2535.8	2525.8	2534.5	2544.5	2539.5
5°	2500.9	2468.6	2454.9	2431.2	2428.8	2417.6	2407.6	2395.2	2403.9	2412.6	2417.6
7.5°	2401.4	2380.2	2371.5	2365.3	2367.8	2362.8	2342.9	2331.7	2330.5	2334.2	2339.2
10°	2369.0	2351.6	2362.8	2380.2	2392.7	2401.4	2380.2	2361.6	2344.1	2336.7	2336.7
12.5°	2438.7	2416.3	2438.7	2457.4	2482.3	2488.5	2464.8	2444.9	2438.7	2446.2	2461.1
15°	2593.0	2540.7	2539.5	2550.7	2570.6	2580.6	2558.2	2548.2	2548.2	2595.5	2632.8
17.5°	2747.3	2661.4	2625.3	2619.1	2631.6	2635.3	2616.6	2607.9	2630.3	2722.4	2792.1
20°	2855.5	2751.0	2672.6	2657.7	2661.4	2662.7	2647.7	2641.5	2673.9	2785.9	2844.3
22.5°	2844.3	2767.2	2671.4	2652.7	2658.9	2656.5	2642.8	2640.3	2666.4	2763.5	2790.8
25°	2767.2	2707.5	2626.6	2614.1	2624.1	2622.9	2609.2	2602.9	2614.1	2678.8	2681.3
27.5°	2678.8	2626.6	2556.9	2553.2	2569.4	2578.1	2554.4	2535.8	2532.0	2575.6	2565.6
30°	2573.1	2534.5	2478.5	2481.0	2510.9	2515.9	2487.2	2459.9	2452.4	2476.0	2462.3
32.5°	2447.4	2435.0	2405.1	2411.3	2440.0	2449.9	2420.0	2391.4	2382.7	2390.2	2361.6
35°	2340.4	2335.4	2337.9	2349.1	2374.0	2381.5	2356.6	2334.2	2321.8	2295.6	2258.3
37.5°	2229.7	2243.4	2279.4	2300.6	2314.3	2311.8	2298.1	2281.9	2262.0	2213.5	2167.5
40°	2126.4	2161.2	2225.9	2249.6	2254.6	2255.8	2245.9	2232.2	2207.3	2142.6	2090.3
42.5°	2046.8	2085.3	2171.2	2207.3	2209.8	2212.3	2202.3	2191.1	2156.3	2070.4	2019.4
45°	1963.4	2014.4	2115.2	2158.8	2156.3	2155.0	2146.3	2141.3	2100.3	2000.7	1944.7
47.5°	1892.5	1952.2	2060.5	2097.8	2096.5	2095.3	2089.1	2089.1	2048.0	1939.8	1876.3
50°	1822.8	1891.2	2004.5	2035.6	2038.1	2035.6	2033.1	2036.8	1988.3	1872.6	1810.4
52.5°	1746.9	1824.1	1942.3	1970.9	1985.8	1992.0	1992.0	1983.3	1926.1	1805.4	1737.0
55°	1663.5	1737.0	1873.8	1912.4	1924.8	1936.0	1936.0	1918.6	1865.1	1743.2	1669.8
57.5°	1560.3	1625.0	1733.2	1771.8	1801.7	1809.1	1809.1	1780.5	1737.0	1620.0	1560.3
60°	1448.3	1504.3	1577.7	1618.8	1641.2	1626.2	1637.4	1630.0	1595.1	1486.9	1437.1
62.5°	1299.0	1356.2	1437.1	1479.4	1489.4	1474.4	1489.4	1488.1	1440.8	1343.8	1284.1
65°	1192.0	1248.0	1327.6	1382.3	1398.5	1394.8	1404.7	1389.8	1331.3	1239.3	1182.0
67.5°	1065.1	1124.8	1216.9	1277.8	1311.4	1315.2	1328.8	1297.7	1238.0	1137.2	1065.1
70°	944.4	995.4	1066.3	1123.5	1170.8	1194.5	1197.0	1152.2	1077.5	994.1	941.9
72.5°	817.5	869.7	955.6	1017.8	1077.5	1104.9	1104.9	1050.1	969.3	877.2	821.2
75°	663.2	711.7	790.1	857.3	925.7	960.6	959.3	912.0	822.4	735.3	676.9
77.5°	449.2	485.3	535.0	586.0	596.0	623.4	637.1	577.3	527.6	480.3	428.0
80°	261.3	283.7	311.1	339.7	345.9	354.6	332.2	309.8	283.7	252.6	228.9
82.5°	153.0	168.0	181.7	204.1	207.8	210.3	190.4	180.4	159.3	140.6	125.7
85°	74.7	79.6	92.1	103.3	98.3	95.8	87.1	77.1	68.4	61.0	53.5
87.5°	14.9	14.9	22.4	21.2	17.4	14.9	8.7	11.2	2.5	2.5	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°	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9
2.5°	2555.7	2576.8	2602.9	2637.8	2677.6	2719.9	2761.0	2792.1	2823.2	2869.2	2861.8
5°	2425.0	2461.1	2502.2	2555.7	2620.4	2693.8	2775.9	2858.0	2946.4	3021.0	3053.4
7.5°	2349.1	2388.9	2437.5	2507.1	2590.5	2680.1	2795.8	2928.9	3072.0	3170.3	3231.3
10°	2349.1	2400.1	2463.6	2530.8	2604.2	2696.3	2839.4	3006.1	3190.2	3319.6	3390.6
12.5°	2484.7	2535.8	2549.4	2547.0	2588.0	2690.0	2874.2	3087.0	3307.2	3444.1	3531.2
15°	2696.3	2713.7	2610.4	2515.9	2522.1	2645.3	2890.4	3151.7	3408.0	3572.2	3666.8
17.5°	2838.1	2792.1	2607.9	2442.4	2407.6	2569.4	2890.4	3213.9	3515.0	3700.4	3788.7
20°	2849.3	2734.8	2544.5	2371.5	2281.9	2468.6	2870.5	3261.2	3618.2	3823.5	3918.1
22.5°	2751.0	2637.8	2477.3	2310.6	2178.7	2346.6	2838.1	3297.2	3706.6	3939.3	4056.2
25°	2639.0	2544.5	2408.8	2248.3	2107.7	2223.5	2808.2	3358.2	3829.8	4096.0	4214.2
27.5°	2529.5	2449.9	2326.7	2196.1	2067.9	2116.5	2789.6	3447.8	3976.6	4318.8	4420.8
30°	2422.5	2350.4	2238.4	2146.3	2046.8	2046.8	2773.4	3551.1	4170.7	4568.8	4670.9
32.5°	2314.3	2245.9	2155.0	2097.8	2034.3	2019.4	2728.6	3648.1	4371.0	4842.6	4947.1
35°	2213.5	2145.1	2075.4	2051.8	2028.1	1998.2	2617.9	3724.0	4566.4	5162.3	5251.9
37.5°	2118.9	2053.0	2000.7	1994.5	1997.0	1941.0	2443.7	3787.5	4810.2	5489.6	5536.9
40°	2036.8	1963.4	1922.3	1921.1	1933.5	1848.9	2223.5	3878.3	5088.9	5767.0	5747.1
42.5°	1963.4	1886.3	1836.5	1847.7	1840.2	1756.9	2008.2	3961.7	5331.6	6027.1	5987.3
45°	1891.2	1816.6	1746.9	1763.1	1754.4	1699.6	1825.3	4022.6	5600.3	6339.4	6344.4
47.5°	1821.6	1748.2	1678.5	1658.6	1657.3	1682.2	1684.7	4042.5	6038.3	6842.1	6728.8
50°	1756.9	1683.5	1611.3	1544.1	1570.2	1647.4	1580.2	4027.6	6694.0	7397.0	7081.0
52.5°	1689.7	1620.0	1540.4	1419.7	1488.1	1564.0	1486.9	3974.1	7094.7	7887.2	7698.1
55°	1612.5	1546.6	1438.3	1291.5	1374.9	1391.1	1391.1	3456.5	7265.1	8372.5	8489.4
57.5°	1509.3	1422.2	1250.5	1132.3	1206.9	1144.7	1289.0	2418.8	6983.9	8219.4	8673.6
60°	1392.3	1299.0	1117.3	1032.7	1055.1	945.6	1098.7	1516.7	5788.2	6993.9	7780.2
62.5°	1238.0	1152.2	1001.6	935.7	889.6	771.4	884.7	959.3	3967.9	5193.5	5729.7
65°	1134.7	1040.2	905.8	818.7	724.1	620.9	587.3	629.6	2133.9	2906.5	3268.6
67.5°	1012.8	919.5	792.6	683.1	607.2	532.5	474.1	459.1	731.6	968.0	1047.6
70°	897.1	807.5	701.8	599.7	523.8	450.4	393.2	352.1	338.4	335.9	331.0
72.5°	778.9	695.5	607.2	512.6	429.3	362.1	311.1	263.8	243.9	237.6	231.4
75°	638.3	572.4	484.0	382.0	314.8	252.6	212.8	181.7	164.2	158.0	150.6
77.5°	410.6	380.7	303.6	246.4	190.4	150.6	129.4	109.5	98.3	95.8	89.6
80°	219.0	204.1	168.0	141.8	113.2	92.1	80.9	69.7	63.5	61.0	58.5
82.5°	121.9	110.7	93.3	82.1	65.9	56.0	49.8	44.8	41.1	39.8	38.6
85°	54.7	47.3	37.3	34.8	31.1	28.6	27.4	24.9	23.6	22.4	21.2
87.5°	2.5	5.0	6.2	5.0	5.0	7.5	8.7	8.7	7.5	7.5	6.2
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: P635235

CATALOG NUMBER: GWS-SA3D-735-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9	2724.9
2.5°	2907.8	2945.1	2948.8	2961.3	2945.1	2941.4	2915.3	2900.3	2886.6	2882.9
5°	3134.2	3208.9	3238.8	3259.9	3240.0	3230.0	3172.8	3113.1	3079.5	3063.3
7.5°	3366.9	3478.9	3537.4	3563.5	3566.0	3521.2	3422.9	3310.9	3254.9	3233.8
10°	3574.7	3712.8	3790.0	3839.7	3822.3	3767.6	3633.2	3481.4	3410.5	3391.8
12.5°	3729.0	3860.9	3920.6	3952.9	3951.7	3921.8	3794.9	3630.7	3549.8	3531.2
15°	3828.5	3906.9	3910.6	3918.1	3939.3	3979.1	3913.1	3761.3	3671.7	3645.6
17.5°	3906.9	3875.8	3817.3	3797.4	3844.7	3955.4	3995.3	3872.1	3775.0	3752.6
20°	3956.7	3799.9	3696.6	3658.1	3712.8	3893.2	4045.0	3971.6	3870.8	3842.2
22.5°	3995.3	3729.0	3562.3	3536.1	3593.4	3826.0	4096.0	4089.8	3979.1	3939.3
25°	4056.2	3681.7	3467.7	3449.0	3502.5	3793.7	4164.5	4250.3	4152.0	4094.8
27.5°	4152.0	3676.7	3419.2	3412.9	3486.4	3822.3	4262.8	4485.5	4362.3	4320.0
30°	4285.2	3724.0	3430.4	3442.8	3532.4	3925.6	4415.8	4754.2	4631.1	4565.1
32.5°	4476.8	3850.9	3600.8	3654.3	3720.3	4091.1	4639.8	5045.4	4952.1	4855.0
35°	4729.4	4199.3	4104.7	4332.4	4270.2	4453.1	4909.8	5398.8	5285.5	5200.9
37.5°	5066.5	4913.5	5000.6	5314.1	5163.6	5137.5	5239.5	5719.8	5657.6	5572.9
40°	5539.4	5570.5	5731.0	6142.8	5925.1	5757.1	5643.9	5961.2	5982.3	5877.8
42.5°	5852.9	5996.0	6382.9	6850.8	6550.9	6149.0	5982.3	6269.7	6271.0	6176.4
45°	5969.9	6344.4	7153.1	7691.9	7190.5	6373.0	6168.9	6689.0	6676.6	6568.3
47.5°	5927.6	6638.0	7953.2	8776.9	8011.7	6532.3	6142.8	7286.3	7387.0	7222.8
50°	5839.2	6932.9	8887.6	10105.7	9019.5	6701.5	6103.0	7948.2	8114.9	7988.0
52.5°	5928.8	7261.4	9992.5	11479.4	10283.6	6971.5	6371.7	8798.0	8768.2	8615.1
55°	6212.5	7649.6	11335.0	13205.1	11672.2	7428.1	7062.3	9608.0	9304.4	9121.5
57.5°	6198.8	7927.0	12512.1	14570.0	12880.4	7802.6	7302.4	9693.9	9080.5	8849.0
60°	5626.4	7800.1	12960.0	15433.5	13244.9	7596.1	6512.3	8658.7	7662.0	7419.4
62.5°	4199.3	6921.7	12091.5	14352.3	12213.5	6560.9	4897.3	6215.0	5505.8	5096.4
65°	2686.3	5414.9	10165.4	11627.4	10067.1	5018.0	2916.5	3332.1	2610.4	2493.5
67.5°	1143.5	3822.3	7902.2	7771.5	7531.4	3251.2	1126.0	938.2	699.3	686.8
70°	378.2	2600.5	4871.2	5183.5	4497.9	2239.6	372.0	314.8	313.5	302.4
72.5°	247.6	1396.0	2742.3	3053.4	2894.1	1289.0	225.2	210.3	215.3	210.3
75°	148.1	303.6	461.6	599.7	461.6	216.5	135.6	133.1	135.6	129.4
77.5°	87.1	84.6	82.1	82.1	80.9	74.7	68.4	65.9	67.2	68.4
80°	56.0	53.5	51.0	49.8	43.5	41.1	38.6	36.1	36.1	37.3
82.5°	36.1	33.6	31.1	27.4	22.4	18.7	17.4	14.9	14.9	16.2
85°	18.7	14.9	11.2	8.7	5.0	2.5	0.0	0.0	0.0	0.0
87.5°	3.7	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)