

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: P635345

Luminaire Tested: GWS-SA3D-750-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635345  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

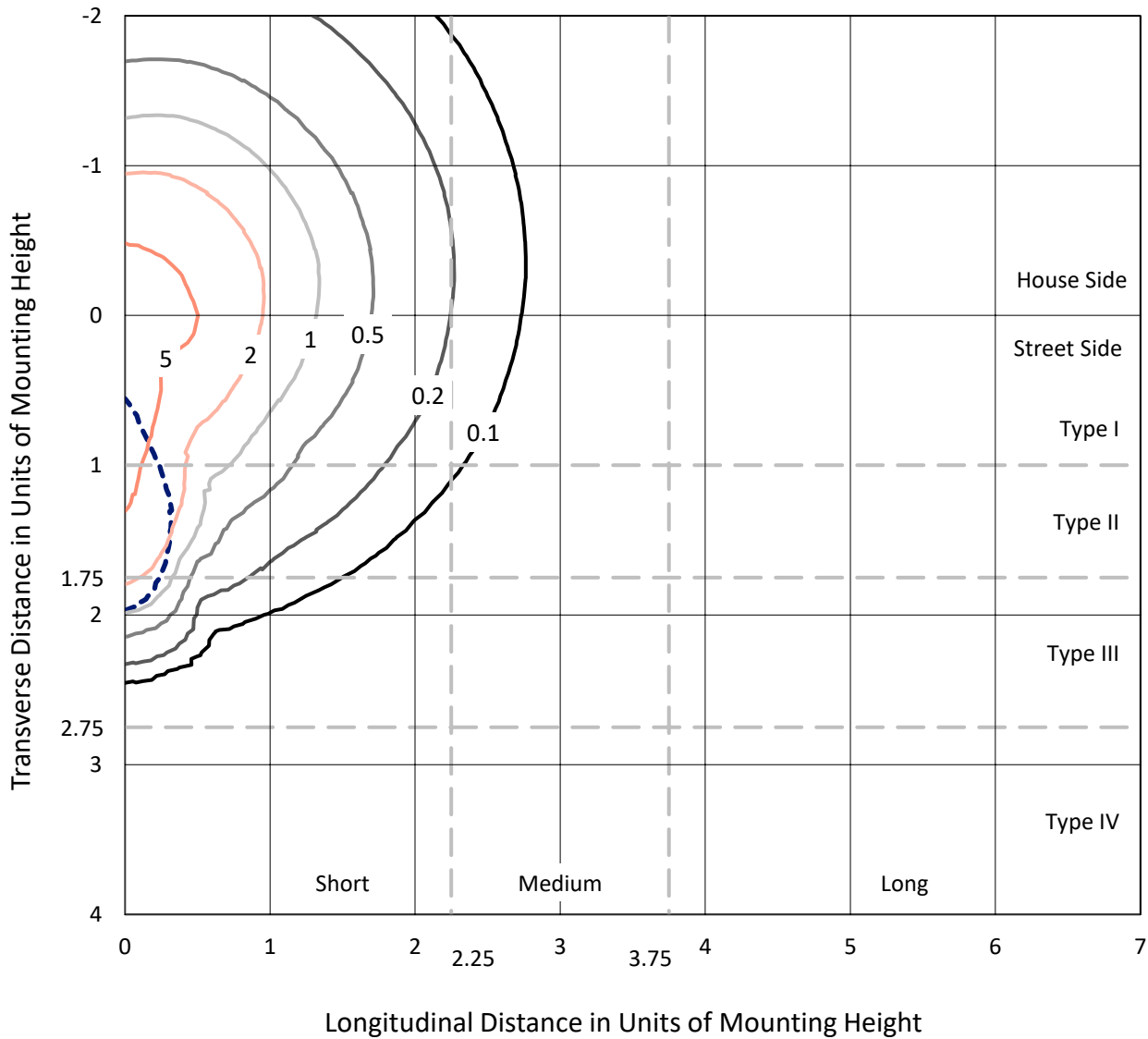
Lumens per Lamp: N/A  
Luminaire Lumens: 14011.9 lumens  
Efficiency: N/A  
Efficacy: 116.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

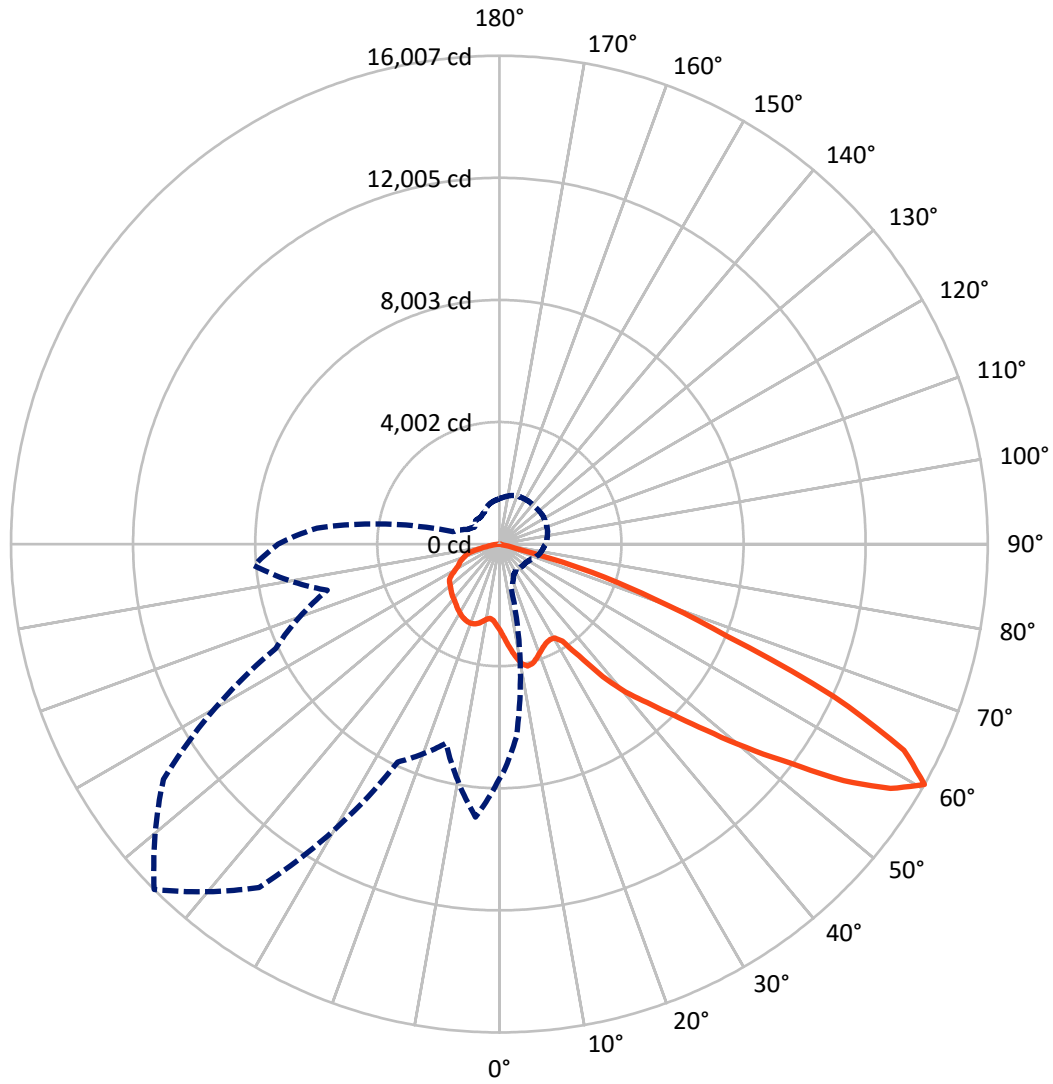
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.5 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
<b>House Side</b>	Lumens	4793.3	0.0	4793.3
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	9218.6	0.0	9218.6
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	14011.9	0.0	14011.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	276.1	2.0
10°-20°	885.6	6.3
20°-30°	1442.3	10.3
30°-40°	2026.1	14.5
40°-50°	2772.5	19.8
50°-60°	3557.0	25.4
60°-70°	2395.1	17.1
70°-80°	598.8	4.3
80°-90°	58.4	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°	14011.9	100.0
0°-180°	14011.9	100.0

**Coefficient of Utilization**



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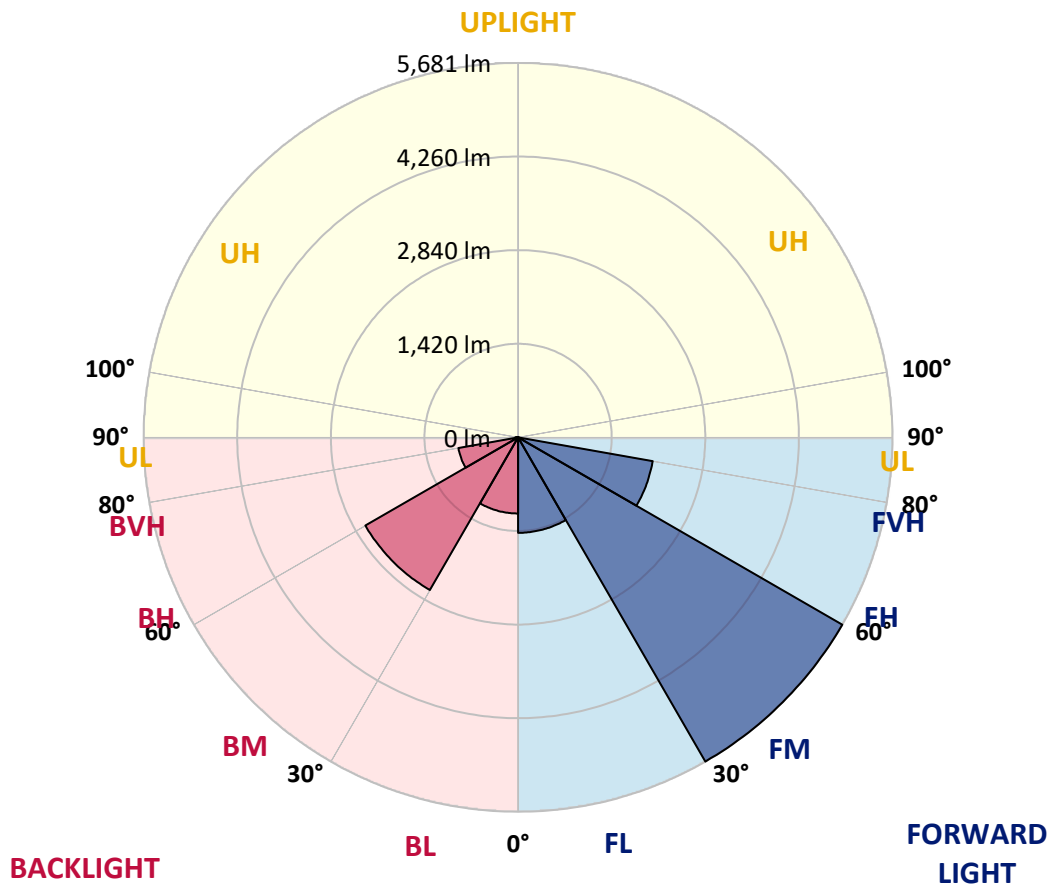
CATALOG NUMBER: GWS-SA3D-750-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1448.5	10.3			
FM (30°-60°)	5680.5	40.5			
FH (60°-80°)	2074.3	14.8			G2/5000
FVH (80°-90°)	15.2	0.1			G1/100
BL (0°-30°)	1155.5	8.2	B3/2500		
BM (30°-60°)	2675.1	19.1	B3/5000		
BH (60°-80°)	919.6	6.6	B2/1000		G2/1000
BVH (80°-90°)	43.2	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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1
2.5°	2989.9	2983.5	2977.0	2926.7	2913.8	2877.7	2851.9	2819.6	2773.1	2747.3	2725.4
5°	3177.0	3166.7	3131.9	3028.6	2961.5	2888.0	2827.3	2760.2	2689.3	2642.8	2606.7
7.5°	3353.8	3351.3	3291.9	3121.6	3013.2	2907.3	2824.8	2726.7	2624.7	2555.1	2508.6
10°	3517.7	3498.4	3427.4	3205.4	3063.5	2942.2	2853.2	2744.8	2626.0	2531.8	2469.9
12.5°	3662.3	3637.7	3539.7	3282.9	3107.4	2957.7	2860.9	2771.9	2693.1	2614.4	2543.4
15°	3781.0	3751.3	3651.9	3355.1	3146.1	2948.6	2813.1	2743.5	2770.6	2805.4	2726.7
17.5°	3892.0	3861.0	3739.7	3408.0	3157.7	2893.2	2695.7	2666.0	2802.8	2961.5	2925.4
20°	3984.9	3950.0	3809.4	3433.8	3137.0	2787.3	2543.4	2595.1	2775.7	2965.4	3023.5
22.5°	4085.5	4057.1	3888.1	3471.3	3111.2	2641.5	2415.7	2542.2	2729.3	2895.7	2983.5
25°	4246.8	4212.0	4010.7	3537.1	3098.3	2504.7	2324.1	2490.5	2664.7	2815.7	2884.1
27.5°	4480.4	4415.9	4178.4	3651.9	3112.5	2375.7	2266.0	2427.3	2589.9	2718.9	2774.4
30°	4734.6	4657.2	4364.2	3770.6	3133.2	2297.0	2235.0	2355.0	2475.1	2604.1	2664.7
32.5°	5035.3	4966.9	4563.0	3859.7	3089.3	2260.8	2211.8	2276.3	2371.8	2475.1	2525.4
35°	5394.0	5271.4	4779.8	3932.0	2947.4	2207.9	2191.2	2189.9	2240.2	2340.8	2397.6
37.5°	5779.9	5648.2	5046.9	4009.4	2726.7	2124.1	2142.1	2087.9	2134.4	2214.4	2278.9
40°	6096.0	5957.9	5316.6	4115.2	2450.5	1992.4	2033.7	1975.7	2004.0	2086.6	2158.9
42.5°	6405.7	6258.6	5568.2	4235.2	2183.4	1863.4	1884.0	1862.1	1871.1	1957.6	2058.2
45°	6812.2	6647.0	5877.9	4320.4	1943.4	1761.4	1742.1	1704.7	1752.4	1864.7	1971.8
47.5°	7491.0	7293.5	6385.1	4375.9	1769.2	1703.4	1614.3	1592.4	1651.8	1776.9	1887.9
50°	8284.6	8114.3	7195.5	4373.3	1638.9	1654.3	1490.5	1471.1	1569.2	1695.6	1813.1
52.5°	8935.0	8762.0	7888.4	4244.2	1531.7	1549.8	1418.2	1364.0	1498.2	1615.6	1733.1
55°	9460.2	9265.3	8207.2	3704.8	1396.3	1383.3	1339.5	1240.1	1409.2	1535.6	1645.3
57.5°	9177.6	8945.3	7821.3	2817.0	1256.9	1175.6	1204.0	1130.4	1287.9	1446.6	1552.4
60°	7694.9	7485.8	6354.1	1499.5	1105.9	982.0	1041.4	1053.0	1154.9	1339.5	1447.9
62.5°	5285.6	5133.3	4306.2	909.8	872.3	788.5	881.4	965.2	1041.4	1197.5	1291.7
65°	2586.0	2540.9	2153.7	583.3	610.4	637.5	730.4	832.3	944.6	1081.4	1180.7
67.5°	712.3	717.5	653.0	455.5	481.3	556.2	629.7	711.0	823.3	949.8	1050.4
70°	313.6	318.7	329.1	351.0	400.0	468.4	544.6	628.4	731.7	837.5	934.3
72.5°	218.1	223.2	238.7	267.1	311.0	375.5	447.8	527.8	634.9	723.9	803.9
75°	134.2	138.1	152.3	176.8	206.5	255.5	326.5	400.0	494.2	575.5	646.5
77.5°	71.0	68.4	77.4	94.2	120.0	145.8	193.6	240.0	307.1	372.9	432.3
80°	38.7	37.4	42.6	51.6	59.4	80.0	112.3	143.2	182.0	219.4	251.6
82.5°	16.8	15.5	16.8	21.9	27.1	38.7	56.8	78.7	100.7	126.5	147.1
85°	0.0	0.0	0.0	1.3	6.5	10.3	19.4	28.4	41.3	56.8	69.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	11.6
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°	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1
2.5°	2712.5	2680.2	2677.7	2651.8	2654.4	2655.7	2629.9	2619.6	2628.6	2638.9	2633.8
5°	2593.8	2560.2	2546.0	2521.5	2518.9	2507.3	2497.0	2484.1	2493.1	2502.2	2507.3
7.5°	2490.5	2468.6	2459.6	2453.1	2455.7	2450.5	2429.9	2418.3	2417.0	2420.9	2426.0
10°	2457.0	2438.9	2450.5	2468.6	2481.5	2490.5	2468.6	2449.2	2431.2	2423.4	2423.4
12.5°	2529.3	2506.0	2529.3	2548.6	2574.4	2580.9	2556.4	2535.7	2529.3	2537.0	2552.5
15°	2689.3	2635.1	2633.8	2645.4	2666.0	2676.4	2653.1	2642.8	2642.8	2691.8	2730.6
17.5°	2849.3	2760.2	2722.8	2716.4	2729.3	2733.1	2713.8	2704.8	2728.0	2823.5	2895.7
20°	2961.5	2853.2	2771.9	2756.4	2760.2	2761.5	2746.0	2739.6	2773.1	2889.3	2949.9
22.5°	2949.9	2869.9	2770.6	2751.2	2757.7	2755.1	2740.9	2738.3	2765.4	2866.1	2894.4
25°	2869.9	2808.0	2724.1	2711.2	2721.5	2720.2	2706.0	2699.6	2711.2	2778.3	2780.9
27.5°	2778.3	2724.1	2651.8	2648.0	2664.7	2673.8	2649.3	2629.9	2626.0	2671.2	2660.9
30°	2668.6	2628.6	2570.5	2573.1	2604.1	2609.3	2579.6	2551.2	2543.4	2568.0	2553.8
32.5°	2538.3	2525.4	2494.4	2500.9	2530.5	2540.9	2509.9	2480.2	2471.2	2478.9	2449.2
35°	2427.3	2422.1	2424.7	2436.3	2462.1	2469.9	2444.1	2420.9	2408.0	2380.9	2342.1
37.5°	2312.5	2326.7	2364.1	2386.0	2400.2	2397.6	2383.4	2366.7	2346.0	2295.7	2247.9
40°	2205.4	2241.5	2308.6	2333.1	2338.3	2339.6	2329.2	2315.0	2289.2	2222.1	2167.9
42.5°	2122.8	2162.8	2251.8	2289.2	2291.8	2294.4	2284.1	2272.5	2236.3	2147.3	2094.4
45°	2036.3	2089.2	2193.7	2238.9	2236.3	2235.0	2226.0	2220.8	2178.3	2075.0	2016.9
47.5°	1962.8	2024.7	2137.0	2175.7	2174.4	2173.1	2166.6	2166.6	2124.1	2011.8	1946.0
50°	1890.5	1961.5	2078.9	2111.2	2113.7	2111.2	2108.6	2112.4	2062.1	1942.1	1877.6
52.5°	1811.8	1891.8	2014.4	2044.0	2059.5	2066.0	2066.0	2057.0	1997.6	1872.4	1801.4
55°	1725.3	1801.4	1943.4	1983.4	1996.3	2007.9	2007.9	1989.8	1934.4	1807.9	1731.8
57.5°	1618.2	1685.3	1797.6	1837.6	1868.5	1876.3	1876.3	1846.6	1801.4	1680.1	1618.2
60°	1502.1	1560.1	1636.3	1678.9	1702.1	1686.6	1698.2	1690.5	1654.3	1542.1	1490.5
62.5°	1347.2	1406.6	1490.5	1534.3	1544.6	1529.2	1544.6	1543.4	1494.3	1393.7	1331.7
65°	1236.2	1294.3	1376.9	1433.7	1450.4	1446.6	1456.9	1441.4	1380.8	1285.3	1225.9
67.5°	1104.6	1166.6	1262.0	1325.3	1360.1	1364.0	1378.2	1345.9	1284.0	1179.5	1104.6
70°	979.4	1032.3	1105.9	1165.3	1214.3	1238.8	1241.4	1194.9	1117.5	1031.1	976.9
72.5°	847.8	902.0	991.1	1055.6	1117.5	1145.9	1145.9	1089.1	1005.2	909.8	851.7
75°	687.8	738.1	819.4	889.1	960.1	996.2	994.9	945.9	853.0	762.6	702.0
77.5°	465.8	503.3	554.9	607.8	618.1	646.5	660.7	598.8	547.1	498.1	443.9
80°	271.0	294.2	322.6	352.3	358.7	367.8	344.5	321.3	294.2	262.0	237.4
82.5°	158.7	174.2	188.4	211.6	215.5	218.1	197.4	187.1	165.2	145.8	130.3
85°	77.4	82.6	95.5	107.1	101.9	99.4	90.3	80.0	71.0	63.2	55.5
87.5°	15.5	15.5	23.2	21.9	18.1	15.5	9.0	11.6	2.6	2.6	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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CATALOG NUMBER: GWS-SA3D-750-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1
2.5°	2650.6	2672.5	2699.6	2735.7	2777.0	2820.9	2863.5	2895.7	2928.0	2975.7	2968.0
5°	2515.1	2552.5	2595.1	2650.6	2717.7	2793.8	2879.0	2964.1	3055.7	3133.2	3166.7
7.5°	2436.3	2477.6	2528.0	2600.2	2686.7	2779.6	2899.6	3037.7	3186.1	3288.0	3351.3
10°	2436.3	2489.2	2555.1	2624.7	2700.9	2796.4	2944.8	3117.7	3308.7	3442.9	3516.4
12.5°	2577.0	2629.9	2644.1	2641.5	2684.1	2789.9	2980.9	3201.6	3430.0	3571.9	3662.3
15°	2796.4	2814.4	2707.3	2609.3	2615.7	2743.5	2997.7	3268.7	3534.5	3704.8	3802.9
17.5°	2943.5	2895.7	2704.8	2533.1	2497.0	2664.7	2997.7	3333.2	3645.5	3837.8	3929.4
20°	2955.1	2836.4	2638.9	2459.6	2366.7	2560.2	2977.0	3382.2	3752.6	3965.5	4063.6
22.5°	2853.2	2735.7	2569.3	2396.3	2259.6	2433.8	2943.5	3419.7	3844.2	4085.5	4206.8
25°	2737.0	2638.9	2498.3	2331.8	2186.0	2306.0	2912.5	3482.9	3972.0	4248.1	4370.7
27.5°	2623.5	2540.9	2413.1	2277.6	2144.7	2195.0	2893.2	3575.8	4124.2	4479.1	4584.9
30°	2512.5	2437.6	2321.5	2226.0	2122.8	2122.8	2876.4	3682.9	4325.5	4738.5	4844.3
32.5°	2400.2	2329.2	2235.0	2175.7	2109.9	2094.4	2829.9	3783.6	4533.3	5022.4	5130.8
35°	2295.7	2224.7	2152.4	2127.9	2103.4	2072.4	2715.1	3862.3	4735.9	5354.0	5446.9
37.5°	2197.6	2129.2	2075.0	2068.6	2071.1	2013.1	2534.4	3928.1	4988.8	5693.4	5742.4
40°	2112.4	2036.3	1993.7	1992.4	2005.3	1917.6	2306.0	4022.3	5277.9	5981.2	5960.5
42.5°	2036.3	1956.3	1904.7	1916.3	1908.6	1822.1	2082.8	4108.7	5529.5	6250.9	6209.6
45°	1961.5	1884.0	1811.8	1828.5	1819.5	1762.7	1893.1	4172.0	5808.2	6574.8	6579.9
47.5°	1889.2	1813.1	1740.8	1720.1	1718.9	1744.7	1747.2	4192.6	6262.5	7096.1	6978.7
50°	1822.1	1746.0	1671.1	1601.4	1628.5	1708.5	1638.9	4177.1	6942.5	7671.6	7343.9
52.5°	1752.4	1680.1	1597.6	1472.4	1543.4	1622.1	1542.1	4121.6	7358.1	8180.1	7983.9
55°	1672.4	1604.0	1491.7	1339.5	1425.9	1442.7	1442.7	3584.8	7534.8	8683.3	8804.6
57.5°	1565.3	1475.0	1296.9	1174.3	1251.7	1187.2	1336.9	2508.6	7243.2	8524.6	8995.6
60°	1444.0	1347.2	1158.8	1071.1	1094.3	980.7	1139.5	1573.0	6003.1	7253.5	8069.1
62.5°	1284.0	1194.9	1038.8	970.4	922.7	800.1	917.5	994.9	4115.2	5386.3	5942.5
65°	1176.9	1078.8	939.4	849.1	751.0	643.9	609.1	653.0	2213.1	3014.5	3390.0
67.5°	1050.4	953.6	822.0	708.4	629.7	552.3	491.7	476.2	758.8	1004.0	1086.5
70°	930.4	837.5	727.8	622.0	543.3	467.1	407.8	365.2	351.0	348.4	343.3
72.5°	807.8	721.4	629.7	531.7	445.2	375.5	322.6	273.6	252.9	246.5	240.0
75°	662.0	593.6	502.0	396.2	326.5	262.0	220.7	188.4	170.3	163.9	156.1
77.5°	425.8	394.9	314.9	255.5	197.4	156.1	134.2	113.6	101.9	99.4	92.9
80°	227.1	211.6	174.2	147.1	117.4	95.5	83.9	72.3	65.8	63.2	60.7
82.5°	126.5	114.8	96.8	85.2	68.4	58.1	51.6	46.5	42.6	41.3	40.0
85°	56.8	49.0	38.7	36.1	32.3	29.7	28.4	25.8	24.5	23.2	21.9
87.5°	2.6	5.2	6.5	5.2	5.2	7.7	9.0	9.0	7.7	7.7	6.5
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: P635345

CATALOG NUMBER: GWS-SA3D-750-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1	2826.1
2.5°	3015.7	3054.5	3058.3	3071.2	3054.5	3050.6	3023.5	3008.0	2993.8	2989.9
5°	3250.6	3328.0	3359.0	3380.9	3360.3	3350.0	3290.6	3228.7	3193.8	3177.0
7.5°	3491.9	3608.1	3668.7	3695.8	3698.4	3651.9	3550.0	3433.8	3375.8	3353.8
10°	3707.4	3850.7	3930.7	3982.3	3964.2	3907.4	3768.1	3610.6	3537.1	3517.7
12.5°	3867.4	4004.2	4066.2	4099.7	4098.4	4067.4	3935.8	3765.5	3681.6	3662.3
15°	3970.7	4052.0	4055.8	4063.6	4085.5	4126.8	4058.4	3901.0	3808.1	3781.0
17.5°	4052.0	4019.7	3959.1	3938.4	3987.4	4102.3	4143.6	4015.8	3915.2	3892.0
20°	4103.6	3941.0	3833.9	3793.9	3850.7	4037.8	4195.2	4119.1	4014.5	3984.9
22.5°	4143.6	3867.4	3694.5	3667.4	3726.8	3968.1	4248.1	4241.7	4126.8	4085.5
25°	4206.8	3818.4	3596.4	3577.1	3632.6	3934.5	4319.1	4408.1	4306.2	4246.8
27.5°	4306.2	3813.2	3546.1	3539.7	3615.8	3964.2	4421.0	4652.0	4524.3	4480.4
30°	4444.3	3862.3	3557.7	3570.6	3663.5	4071.3	4579.8	4930.7	4803.0	4734.6
32.5°	4643.0	3993.9	3734.5	3790.0	3858.4	4242.9	4812.0	5232.7	5135.9	5035.3
35°	4904.9	4355.2	4257.1	4493.3	4428.8	4618.5	5092.1	5599.2	5481.8	5394.0
37.5°	5254.6	5095.9	5186.3	5511.4	5355.3	5328.2	5434.0	5932.1	5867.6	5779.9
40°	5745.0	5777.3	5943.7	6370.9	6145.0	5970.8	5853.4	6182.5	6204.4	6096.0
42.5°	6070.2	6218.6	6619.9	7105.1	6794.1	6377.3	6204.4	6502.5	6503.8	6405.7
45°	6191.5	6579.9	7418.7	7977.5	7457.4	6609.6	6398.0	6937.4	6924.5	6812.2
47.5°	6147.6	6884.5	8248.5	9102.7	8309.1	6774.8	6370.9	7556.8	7661.3	7491.0
50°	6056.0	7190.3	9217.6	10480.9	9354.4	6950.3	6329.6	8243.3	8416.2	8284.6
52.5°	6148.9	7531.0	10363.5	11905.5	10665.4	7230.3	6608.3	9124.7	9093.7	8935.0
55°	6443.1	7933.6	11755.9	13695.4	12105.6	7703.9	7324.5	9964.7	9649.9	9460.2
57.5°	6428.9	8221.4	12976.6	15111.0	13358.6	8092.3	7573.6	10053.8	9417.6	9177.6
60°	5835.3	8089.7	13441.2	16006.5	13736.7	7878.1	6754.1	8980.1	7946.5	7694.9
62.5°	4355.2	7178.7	12540.4	14885.2	12666.9	6804.5	5079.1	6445.7	5710.2	5285.6
65°	2786.0	5616.0	10542.8	12059.1	10440.9	5204.3	3024.8	3455.8	2707.3	2586.0
67.5°	1185.9	3964.2	8195.5	8060.1	7811.0	3371.9	1167.8	973.0	725.2	712.3
70°	392.3	2697.0	5052.1	5375.9	4664.9	2322.8	385.8	326.5	325.2	313.6
72.5°	256.8	1447.9	2844.1	3166.7	3001.6	1336.9	233.6	218.1	223.2	218.1
75°	153.6	314.9	478.8	622.0	478.8	224.5	140.7	138.1	140.7	134.2
77.5°	90.3	87.7	85.2	85.2	83.9	77.4	71.0	68.4	69.7	71.0
80°	58.1	55.5	52.9	51.6	45.2	42.6	40.0	37.4	37.4	38.7
82.5°	37.4	34.8	32.3	28.4	23.2	19.4	18.1	15.5	15.5	16.8
85°	19.4	15.5	11.6	9.0	5.2	2.6	0.0	0.0	0.0	0.0
87.5°	3.9	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)