



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-H-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] G006468.001
[TESTLAB]
[TESTDATE] 2024-08-27
[ISSUEDATE] 2025-10-01
[MANUFAC] LAMAR LED
[LUMCAT] VANL-W-48-H-40
[LUMINAIRE] VANDAL RESISTANT SURFACE LED LUMINAIRE
[MORE]DIFFUSE PEARLESCENT EXTRUDED POLYCARBONATE HIGH EFFIECENCY LENS
[_WATTAGE] 78.5
[_LUMENS] 10021
[_EFFICACY] 127.7

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10021
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	78.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.10 ft
Luminous Width (90-270)	0.77 ft
Luminous Height	0.13 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10162	8754	8183
55	10077	8123	7257
65	10176	7361	6021
75	11113	6439	4129
85	17669	6121	1109

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16
1	3172.13	3172.44	3172.60	3172.60	3172.60	3172.60	3172.90	3173.21	3173.52	3173.68
2	3166.26	3166.57	3166.41	3166.41	3166.57	3166.57	3167.19	3167.65	3167.96	3168.42
3	3160.23	3160.39	3160.23	3160.08	3160.54	3160.85	3161.00	3161.47	3161.78	3162.24
4	3154.20	3154.20	3154.05	3154.20	3154.51	3154.51	3154.36	3154.82	3155.13	3155.29
5	3148.18	3148.18	3147.71	3148.18	3147.87	3147.71	3147.71	3147.40	3147.40	3147.87
6	3142.30	3141.99	3141.99	3141.53	3141.07	3140.76	3140.14	3139.99	3139.52	3139.37
7	3136.28	3135.81	3135.81	3135.35	3134.42	3133.34	3132.72	3131.95	3131.33	3130.56
8	3130.25	3129.48	3129.94	3128.39	3127.31	3126.08	3124.69	3123.45	3122.37	3120.98
9	3124.22	3123.29	3122.98	3121.75	3120.05	3118.04	3116.49	3114.79	3112.78	3110.47
10	3118.19	3117.27	3116.65	3114.95	3112.78	3109.85	3107.53	3105.21	3101.97	3099.49
11	3101.66	3101.35	3101.50	3101.35	3101.50	3102.12	3098.72	3094.86	3091.30	3088.21
12	3085.12	3084.97	3084.66	3084.35	3084.19	3084.50	3084.97	3084.97	3080.33	3076.31
13	3068.58	3068.43	3067.81	3067.50	3067.19	3066.57	3066.42	3067.35	3068.43	3062.71
14	3052.05	3051.74	3050.96	3050.50	3049.11	3048.65	3047.72	3047.26	3048.18	3049.57
15	3035.51	3035.20	3034.12	3033.04	3031.65	3029.95	3029.17	3028.09	3027.63	3027.94
16	3018.82	3018.66	3017.43	3015.73	3013.87	3011.86	3009.55	3007.69	3006.76	3005.84
17	3002.28	3002.13	3000.43	2998.73	2996.25	2993.01	2990.38	2987.44	2984.82	2983.89
18	2985.74	2985.59	2983.74	2981.26	2977.86	2974.62	2970.44	2966.89	2962.87	2961.17
19	2969.21	2969.21	2967.04	2963.80	2959.63	2955.30	2950.51	2945.41	2940.93	2937.22
20	2952.67	2952.67	2950.20	2946.33	2941.70	2936.44	2930.11	2923.93	2918.67	2913.88
21	2927.17	2927.63	2926.55	2925.63	2923.31	2916.51	2909.86	2902.60	2895.33	2889.31
22	2901.67	2901.82	2900.59	2899.20	2897.96	2896.72	2889.31	2880.81	2872.31	2864.73
23	2876.32	2876.01	2874.62	2872.92	2870.91	2868.44	2866.43	2858.24	2848.50	2840.00
24	2850.82	2850.20	2848.50	2846.03	2843.25	2840.00	2837.53	2835.68	2824.70	2814.19
25	2825.48	2824.55	2822.54	2819.45	2816.05	2812.03	2807.86	2805.39	2800.75	2788.23
26	2799.98	2798.74	2796.58	2792.56	2788.23	2783.59	2778.80	2774.48	2771.69	2761.80
27	2774.48	2772.93	2770.30	2766.13	2761.03	2754.54	2748.97	2743.57	2739.55	2735.84
28	2749.13	2746.97	2744.18	2739.24	2733.37	2726.10	2719.30	2712.66	2706.78	2703.23
29	2723.63	2721.16	2718.37	2712.19	2705.70	2697.36	2689.32	2681.28	2673.55	2669.07
30	2698.28	2695.50	2692.26	2685.45	2677.88	2668.15	2659.49	2649.60	2641.41	2634.92
31	2665.52	2663.51	2661.81	2657.64	2650.06	2639.55	2629.20	2618.23	2607.87	2599.53
32	2632.75	2630.74	2628.43	2624.10	2619.62	2611.12	2598.75	2586.39	2574.49	2565.22
33	2600.14	2597.98	2595.04	2590.72	2585.00	2578.97	2568.31	2554.40	2541.26	2529.51
34	2567.38	2565.22	2562.12	2557.33	2550.38	2543.89	2536.01	2522.41	2507.26	2494.43
35	2534.61	2532.45	2528.90	2523.80	2516.07	2508.19	2499.53	2490.72	2473.41	2458.42
36	2501.85	2499.69	2495.82	2490.10	2481.76	2472.95	2463.06	2453.32	2439.41	2422.88
37	2469.24	2466.92	2462.90	2456.41	2447.29	2437.56	2426.58	2415.61	2405.41	2386.40
38	2436.48	2434.31	2429.83	2422.57	2412.83	2402.01	2389.80	2377.59	2366.00	2350.85
39	2403.71	2401.70	2396.60	2388.87	2378.52	2366.31	2353.48	2339.57	2326.59	2315.00
40	2371.10	2368.94	2363.22	2355.34	2344.36	2331.23	2316.70	2301.86	2287.49	2274.51
41	2332.62	2331.07	2327.05	2321.95	2310.05	2295.99	2280.23	2264.00	2247.92	2233.55
42	2294.14	2292.44	2288.11	2282.23	2274.20	2260.75	2243.91	2226.13	2208.67	2192.44
43	2255.65	2253.80	2249.16	2242.82	2234.17	2224.28	2207.43	2188.27	2169.10	2151.79
44	2217.17	2215.31	2210.37	2203.57	2193.83	2183.01	2171.27	2150.40	2129.85	2110.22
45	2178.69	2176.68	2171.58	2164.00	2153.65	2142.06	2129.54	2112.85	2090.59	2069.27
46	2140.20	2138.04	2132.79	2124.44	2113.31	2101.10	2087.35	2073.59	2051.34	2028.31
47	2101.72	2099.40	2093.84	2085.03	2073.28	2060.15	2045.46	2030.16	2012.24	1987.82
48	2063.24	2060.92	2054.89	2045.62	2033.26	2019.19	2003.27	1986.89	1970.66	1946.86
49	2024.76	2022.28	2016.10	2006.36	1993.23	1978.24	1961.24	1943.93	1926.46	1906.22
50	1986.27	1983.80	1977.31	1967.11	1953.51	1937.28	1919.35	1900.65	1881.80	1864.95
51	1943.93	1941.76	1936.20	1927.54	1913.63	1896.48	1877.47	1857.53	1837.60	1819.20
52	1901.58	1899.42	1893.70	1884.42	1872.99	1855.52	1835.90	1815.03	1793.55	1773.46
53	1859.39	1857.07	1851.20	1841.61	1829.56	1814.10	1794.32	1772.22	1749.50	1728.02

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CANDELA TABULATION - (Cont.)

54	1817.04	1814.72	1808.69	1798.96	1785.98	1770.37	1752.59	1729.57	1705.46	1682.58
55	1774.69	1772.38	1766.04	1756.15	1742.70	1726.47	1707.93	1687.06	1661.87	1637.45
56	1732.35	1730.03	1723.54	1713.34	1699.43	1682.58	1663.42	1643.02	1618.44	1592.48
57	1690.16	1687.68	1681.19	1670.53	1656.15	1638.84	1619.22	1597.73	1575.02	1547.66
58	1647.81	1645.49	1638.84	1627.87	1613.03	1594.95	1574.55	1552.61	1529.59	1503.23
59	1605.46	1603.14	1596.34	1585.06	1570.07	1551.68	1530.26	1507.34	1483.55	1459.03
60	1563.12	1560.95	1554.00	1542.47	1527.35	1508.13	1486.38	1462.47	1437.95	1412.60
61	1520.15	1517.97	1511.03	1499.66	1484.33	1464.74	1442.54	1417.92	1392.28	1366.27
62	1477.12	1474.84	1467.74	1456.04	1440.99	1421.70	1398.94	1373.58	1346.95	1319.73
63	1434.10	1431.64	1424.38	1412.48	1397.24	1377.78	1355.06	1329.47	1301.76	1273.71
64	1391.07	1388.47	1381.04	1369.03	1353.50	1333.41	1311.08	1285.51	1256.95	1227.88
65	1348.06	1345.34	1337.78	1325.68	1309.76	1289.39	1266.61	1241.17	1212.32	1182.58
66	1305.03	1302.22	1294.57	1282.27	1266.09	1245.65	1222.41	1196.26	1168.41	1137.32
67	1262.01	1259.15	1251.39	1238.87	1222.55	1201.93	1178.19	1151.78	1123.38	1092.81
68	1218.98	1216.06	1208.11	1195.57	1179.07	1158.20	1134.30	1107.61	1078.40	1048.25
69	1175.95	1172.97	1164.87	1152.35	1135.66	1114.57	1090.56	1063.46	1033.97	1002.87
70	1132.93	1129.88	1121.63	1109.14	1092.42	1071.20	1046.93	1019.44	989.78	958.19
71	1094.85	1091.48	1082.22	1067.86	1049.18	1027.71	1003.40	975.78	945.67	913.74
72	1056.75	1053.44	1044.28	1029.93	1010.57	985.80	960.19	932.24	901.97	869.82
73	1018.67	1015.42	1006.33	992.05	972.66	947.98	919.62	888.91	858.46	826.18
74	980.59	977.40	968.39	954.21	934.81	910.19	881.86	849.16	815.31	782.67
75	942.49	939.38	930.47	916.29	897.02	872.71	844.27	811.76	775.59	739.55
76	904.41	901.38	892.54	878.41	859.31	835.33	806.87	774.53	738.53	699.49
77	866.31	863.36	854.63	840.55	821.69	797.83	769.55	737.51	701.90	663.23
78	828.23	825.36	816.72	802.79	784.14	760.46	732.49	700.76	665.38	627.10
79	790.15	787.35	778.82	765.07	746.63	723.22	695.64	664.21	629.20	591.32
80	752.05	749.36	740.93	727.39	709.15	686.08	658.74	627.83	593.29	555.85
81	723.82	720.73	711.31	696.14	675.60	649.73	621.95	591.52	557.58	520.66
82	695.58	692.48	683.16	668.09	647.73	622.11	591.68	557.37	522.01	485.75
83	667.35	664.22	655.01	640.07	619.93	594.57	564.48	530.48	492.87	452.07
84	639.11	635.97	626.87	612.08	592.17	567.09	537.37	503.75	466.71	426.59
85	610.87	607.72	598.74	584.12	564.46	539.69	510.35	477.20	440.71	401.33
86	582.64	579.48	570.63	556.19	536.78	512.35	483.43	450.79	414.84	376.14
87	554.40	551.23	542.52	528.28	509.15	485.05	456.59	424.49	389.14	351.14
88	526.16	523.00	514.40	500.39	481.53	457.81	429.82	398.29	363.59	326.30
89	497.93	494.76	486.31	472.52	453.96	430.61	403.13	372.17	338.19	301.63
90	469.69	466.52	458.22	444.67	426.40	403.45	376.48	346.14	312.87	277.12
91	451.16	448.05	439.88	426.53	408.54	385.97	359.44	329.61	296.94	261.93
92	432.62	429.59	421.53	408.41	390.70	368.51	342.44	313.13	281.09	246.85
93	414.07	411.12	403.20	390.30	372.88	351.09	325.48	296.74	265.32	231.87
94	395.54	392.65	384.86	372.20	355.08	333.70	308.57	280.38	249.63	217.00
95	376.99	374.20	366.55	354.10	337.30	316.33	291.70	264.08	234.00	202.18
96	358.45	355.73	348.22	336.04	319.55	299.01	274.87	247.82	218.44	187.39
97	339.92	337.26	329.90	317.96	301.80	281.68	258.07	231.61	202.94	172.66
98	321.37	318.81	311.59	299.89	284.08	264.39	241.31	215.44	189.80	164.50
99	302.82	300.34	293.26	281.84	266.37	247.11	227.11	205.41	181.95	157.18
100	284.29	282.21	276.23	266.61	253.59	237.39	218.39	197.14	174.13	149.87
101	274.40	272.35	266.46	257.03	244.22	228.33	209.71	188.89	166.33	142.60
102	264.51	262.49	256.71	247.45	234.87	219.28	201.04	180.65	158.54	135.36
103	254.62	252.63	246.95	237.88	225.53	210.25	192.37	172.43	150.80	128.12
104	244.73	242.77	237.20	228.30	216.20	201.24	183.73	164.21	143.07	120.90
105	234.84	232.92	227.45	218.73	206.88	192.21	175.10	156.02	135.37	115.64
106	224.95	223.06	217.70	209.17	197.58	183.20	166.48	147.85	129.19	111.88
107	215.06	213.20	207.95	199.59	188.24	174.21	157.84	141.18	125.12	108.14
108	205.16	203.36	198.21	190.02	178.92	165.21	151.25	136.84	121.08	104.42
109	195.27	193.50	188.46	180.45	170.11	159.33	146.68	132.53	117.05	100.69

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CANDELA TABULATION - (Cont.)

110	185.40	183.96	179.96	173.67	165.11	154.53	142.09	128.21	113.05	96.97
111	179.99	178.60	174.67	168.51	160.10	149.72	137.52	123.92	109.04	93.27
112	174.59	173.23	169.40	163.34	155.09	144.92	132.96	119.62	105.06	89.59
113	169.20	167.87	164.12	158.18	150.09	140.11	128.41	115.32	101.06	86.35
114	163.79	162.51	158.83	153.01	145.08	135.31	123.87	111.02	97.14	83.24
115	158.40	157.13	153.55	147.85	140.09	130.52	119.30	106.72	93.75	80.13
116	153.00	151.77	148.26	142.68	135.09	125.74	114.77	102.89	90.39	77.02
117	147.60	146.40	142.97	137.51	130.09	120.96	110.54	99.26	87.02	73.92
118	142.20	141.04	137.68	132.34	125.09	116.45	106.73	95.67	83.67	70.81
119	136.80	135.67	132.40	127.18	120.52	112.43	102.89	92.07	80.30	67.67
120	131.40	130.39	127.44	122.73	116.32	108.40	99.06	88.47	76.92	64.55
121	126.90	125.90	123.02	118.40	112.14	104.38	95.23	84.86	73.55	61.63
122	122.39	121.42	118.60	114.08	107.95	100.35	91.40	81.25	70.16	59.14
123	117.89	116.93	114.18	109.76	103.75	96.32	87.56	77.63	66.95	56.61
124	113.39	112.45	109.75	105.44	99.56	92.29	83.72	73.99	64.21	54.10
125	108.88	107.97	105.33	101.11	95.37	88.25	79.87	70.71	61.46	51.56
126	104.38	103.49	100.91	96.77	91.16	84.22	76.02	67.73	58.68	49.03
127	99.88	99.01	96.48	92.44	86.97	80.17	72.85	64.77	55.91	46.47
128	95.37	94.53	92.06	88.10	82.78	76.67	69.69	61.79	53.13	43.90
129	90.87	90.05	87.64	83.76	79.12	73.33	66.52	58.81	50.34	41.31
130	86.36	85.66	83.54	80.16	75.65	70.00	63.35	55.83	47.54	38.71
131	82.61	81.92	79.86	76.56	72.18	66.67	60.18	52.82	44.73	31.91
132	78.85	78.18	76.18	72.97	68.70	63.33	57.01	49.81	41.91	24.51
133	75.10	74.45	72.50	69.38	65.21	59.98	53.81	46.81	36.05	17.07
134	71.34	70.71	68.81	65.78	61.73	56.63	50.62	43.76	28.21	9.60
135	67.59	66.97	65.13	62.18	58.23	53.29	47.42	37.15	20.35	2.11
136	63.83	63.23	61.44	58.58	54.73	49.92	43.71	28.89	12.46	0.00
137	60.08	59.49	57.76	54.98	51.23	46.56	35.07	20.60	4.54	0.00
138	56.32	55.75	54.07	51.37	47.72	38.75	26.41	12.30	0.00	0.00
139	52.57	52.01	50.38	47.76	39.86	29.78	17.76	3.97	0.00	0.00
140	48.81	47.63	44.14	38.43	30.61	20.80	9.08	0.00	0.00	0.00
141	39.05	37.90	34.53	28.98	21.37	11.80	0.38	0.00	0.00	0.00
142	29.29	28.18	24.90	19.52	12.12	2.80	0.00	0.00	0.00	0.00
143	19.53	18.45	15.28	10.05	2.86	0.00	0.00	0.00	0.00	0.00
144	9.76	8.73	5.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16
1	3173.83	3174.14	3174.60	3175.07	3175.53	3176.15	3176.61	3177.08	3177.70	3177.23
2	3168.89	3169.50	3170.28	3171.20	3171.82	3172.60	3173.37	3174.30	3175.38	3174.60
3	3163.01	3163.79	3164.56	3165.33	3166.41	3167.34	3168.58	3169.97	3171.51	3170.28
4	3155.75	3156.52	3157.45	3158.69	3159.61	3161.16	3162.86	3164.87	3166.88	3165.18
5	3148.02	3148.64	3149.57	3150.80	3152.04	3153.59	3155.59	3157.91	3160.54	3158.53
6	3139.83	3139.99	3141.22	3141.84	3142.92	3144.78	3146.79	3149.26	3152.19	3149.88
7	3130.56	3130.40	3130.40	3131.49	3132.57	3134.58	3136.89	3139.68	3143.08	3140.45
8	3119.89	3119.58	3119.58	3120.20	3121.59	3123.29	3125.61	3128.86	3132.72	3129.63
9	3109.23	3108.46	3107.84	3107.99	3109.38	3110.93	3113.71	3117.42	3121.90	3118.35
10	3097.64	3095.94	3095.17	3095.01	3095.48	3097.33	3099.96	3103.67	3108.46	3104.75
11	3085.58	3082.96	3081.26	3080.33	3080.64	3081.87	3085.12	3088.98	3094.39	3090.22
12	3071.67	3068.89	3066.11	3064.72	3064.41	3065.65	3068.58	3072.45	3078.17	3073.84
13	3058.07	3053.28	3050.04	3048.34	3047.26	3048.03	3050.35	3054.52	3060.55	3055.91
14	3042.77	3037.21	3033.19	3030.26	3028.71	3028.86	3031.49	3035.82	3042.16	3037.21
15	3027.01	3020.83	3015.11	3011.09	3009.08	3008.93	3011.09	3015.57	3022.53	3017.27
16	3006.92	3003.05	2996.56	2991.46	2988.68	2988.06	2989.61	2994.55	3001.82	2996.25
17	2983.58	2984.82	2976.94	2970.91	2967.20	2966.12	2967.20	2971.99	2979.72	2973.84
18	2959.63	2960.71	2956.53	2949.43	2944.48	2942.63	2944.02	2948.19	2955.61	2950.04
19	2935.36	2935.21	2935.21	2927.02	2921.30	2918.52	2919.44	2923.62	2931.65	2925.63
20	2910.48	2909.24	2910.63	2903.52	2896.72	2893.32	2893.48	2897.96	2906.62	2899.97
21	2884.98	2882.51	2882.81	2879.26	2870.91	2867.05	2867.05	2870.76	2879.26	2872.92
22	2858.86	2855.30	2854.38	2854.07	2844.95	2839.70	2838.61	2843.25	2852.52	2845.41
23	2832.12	2827.33	2825.01	2827.02	2817.59	2811.10	2809.87	2813.89	2823.47	2816.36
24	2804.92	2798.74	2795.65	2796.11	2789.16	2781.89	2780.04	2783.75	2793.33	2786.22
25	2778.03	2769.99	2765.05	2763.66	2759.64	2751.45	2749.28	2752.84	2762.58	2755.47
26	2749.59	2740.32	2733.83	2731.20	2730.27	2720.85	2716.98	2720.85	2731.05	2723.78
27	2721.62	2710.03	2702.15	2698.59	2699.06	2688.70	2684.84	2687.46	2697.82	2690.40
28	2692.87	2679.12	2669.54	2664.44	2665.36	2656.25	2651.45	2653.31	2663.51	2656.55
29	2663.20	2648.98	2637.24	2630.44	2630.28	2622.24	2616.68	2618.69	2629.35	2621.78
30	2630.74	2616.83	2603.54	2595.82	2593.81	2587.93	2581.29	2583.14	2593.96	2586.39
31	2595.35	2585.15	2570.16	2560.12	2556.87	2552.70	2545.28	2546.98	2557.80	2550.38
32	2557.95	2552.85	2536.31	2524.41	2519.47	2517.30	2508.65	2509.89	2521.17	2513.44
33	2521.17	2517.00	2501.23	2487.48	2481.91	2480.83	2470.79	2472.02	2483.46	2475.73
34	2483.77	2478.36	2466.30	2451.00	2443.58	2443.43	2432.92	2433.08	2444.51	2436.94
35	2446.52	2438.64	2430.91	2413.91	2404.17	2403.87	2394.13	2393.67	2405.10	2397.68
36	2408.81	2399.38	2395.83	2376.66	2365.07	2363.22	2354.56	2353.48	2365.23	2357.50

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CANDELA TABULATION - (Cont.)

37	2371.26	2359.20	2354.41	2338.34	2325.05	2322.11	2314.54	2312.99	2324.58	2317.01
38	2332.93	2319.64	2313.14	2299.85	2284.86	2280.53	2273.89	2271.88	2283.47	2276.05
39	2295.37	2279.92	2270.95	2261.06	2244.37	2238.19	2232.32	2229.69	2241.28	2234.02
40	2256.58	2239.59	2228.61	2221.96	2203.41	2195.22	2191.05	2187.19	2198.47	2191.67
41	2218.56	2199.08	2186.26	2182.24	2162.00	2152.72	2148.70	2143.91	2156.12	2148.86
42	2179.92	2158.90	2143.60	2137.27	2120.42	2109.14	2105.89	2100.64	2111.77	2105.43
43	2136.80	2118.41	2101.10	2093.22	2078.23	2065.40	2062.77	2056.44	2068.65	2061.54
44	2093.84	2077.61	2058.14	2047.94	2036.19	2021.51	2019.50	2012.85	2023.98	2017.65
45	2051.03	2036.96	2015.33	2002.65	1994.00	1977.00	1974.99	1967.42	1978.54	1972.36
46	2008.22	1992.76	1972.52	1957.68	1951.65	1932.33	1929.71	1921.83	1933.73	1927.08
47	1965.56	1947.94	1929.71	1912.55	1907.76	1887.36	1883.34	1876.54	1887.67	1881.95
48	1923.06	1903.43	1886.59	1867.58	1860.01	1842.08	1836.20	1830.18	1841.92	1835.59
49	1880.41	1859.08	1843.78	1821.99	1812.71	1797.10	1789.53	1783.97	1794.79	1789.69
50	1838.06	1814.41	1797.41	1776.39	1765.11	1751.51	1742.24	1736.98	1747.96	1743.17
51	1795.71	1770.21	1750.89	1731.42	1717.51	1705.76	1694.79	1690.00	1700.36	1695.87
52	1753.37	1725.70	1704.37	1685.83	1669.75	1660.33	1647.19	1642.09	1652.91	1647.96
53	1709.32	1681.65	1658.32	1640.54	1622.15	1614.43	1598.82	1594.64	1605.31	1600.98
54	1662.34	1638.07	1612.26	1594.80	1575.02	1568.52	1550.91	1546.89	1556.93	1553.22
55	1615.51	1594.64	1566.36	1547.04	1527.11	1520.83	1502.90	1498.30	1508.28	1504.68
56	1568.68	1549.98	1520.55	1498.76	1479.77	1470.85	1454.31	1449.74	1459.24	1456.60
57	1522.19	1501.51	1475.44	1451.28	1432.06	1420.93	1405.86	1401.33	1409.65	1407.99
58	1476.06	1453.35	1430.25	1403.19	1384.95	1370.73	1357.73	1352.12	1360.79	1358.83
59	1429.97	1405.46	1386.09	1356.03	1337.98	1320.97	1308.77	1302.71	1310.47	1309.67
60	1384.61	1357.89	1337.01	1308.82	1289.33	1271.23	1260.35	1253.31	1261.40	1260.66
61	1339.42	1310.84	1287.99	1262.66	1239.57	1221.79	1211.50	1203.90	1211.02	1211.36
62	1293.84	1264.08	1239.09	1216.21	1190.36	1172.37	1162.83	1154.13	1160.10	1161.38
63	1246.06	1217.60	1190.51	1170.31	1141.80	1122.66	1114.01	1104.09	1110.08	1112.28
64	1199.27	1171.39	1142.66	1121.30	1093.39	1073.76	1065.64	1054.03	1059.95	1061.76
65	1152.65	1124.41	1094.71	1071.25	1045.13	1025.19	1015.34	1002.61	1009.02	1010.82
66	1106.22	1076.76	1048.09	1021.62	997.91	976.58	963.88	951.70	957.53	960.02
67	1060.78	1030.04	1001.28	973.00	950.82	926.09	912.26	901.19	907.44	909.43
68	1015.33	983.57	953.59	924.56	903.82	876.23	860.75	849.96	856.08	858.69
69	970.54	937.36	906.34	876.93	853.24	826.87	810.21	799.75	805.61	808.36
70	925.71	891.64	859.62	829.76	803.52	778.56	759.84	749.18	754.57	758.08
71	880.81	847.07	813.50	782.78	754.91	730.54	709.99	698.64	703.93	707.91
72	836.45	802.65	767.86	735.78	706.60	683.87	661.15	649.19	653.34	658.38
73	792.22	757.93	723.15	689.62	659.56	637.24	612.70	600.15	603.36	609.50
74	748.62	714.03	679.12	644.30	613.07	588.12	564.26	551.23	553.75	560.95
75	705.57	670.71	635.35	599.95	567.34	539.75	515.95	503.45	504.64	513.85
76	662.89	627.72	592.28	556.15	522.25	492.95	468.46	456.32	456.39	466.88
77	621.57	585.43	549.90	513.92	478.32	447.64	422.00	407.72	405.79	418.40
78	585.62	543.84	508.38	472.23	435.27	403.53	377.75	359.92	359.64	371.71
79	550.07	507.48	467.13	431.67	393.70	360.86	333.18	313.63	314.29	326.19
80	514.93	473.01	429.20	391.74	354.68	319.96	289.77	269.49	270.11	283.12
81	480.31	439.08	396.19	353.10	317.09	280.99	248.86	227.25	227.47	242.35
82	446.00	405.62	363.49	320.00	280.57	244.19	210.33	186.34	187.04	203.39
83	411.97	372.62	331.65	289.26	245.66	209.92	174.84	149.59	148.46	167.07
84	382.48	339.98	300.32	259.41	217.50	177.55	143.20	116.08	113.43	134.86
85	358.11	314.43	269.83	230.25	190.28	149.06	114.81	85.56	81.15	103.60
86	334.01	291.20	247.70	203.82	164.04	125.71	89.27	59.85	53.85	77.03
87	310.20	268.28	226.00	183.68	141.77	103.63	69.17	40.49	31.64	57.19
88	286.60	245.66	204.69	164.01	124.03	86.12	52.62	25.76	15.65	42.16
89	263.21	223.29	183.70	144.71	106.84	71.58	40.47	16.24	7.51	32.48
90	240.02	201.13	162.99	125.76	90.10	57.65	30.18	10.54	5.92	26.22
91	225.61	187.82	150.82	114.88	80.76	50.16	24.99	8.29	0.00	23.23
92	211.36	174.69	138.84	104.24	71.68	42.94	20.63	7.24	0.00	21.09

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CANDELA TABULATION - (Cont.)

93	197.25	161.67	127.03	93.77	62.78	37.28	18.25	6.86	0.00	19.32
94	183.23	148.80	115.33	83.43	56.46	33.93	16.38	6.45	0.00	17.50
95	169.31	136.03	103.74	77.03	52.25	30.67	15.17	6.19	0.00	15.88
96	155.46	124.76	97.83	72.11	48.13	28.38	14.10	5.53	0.00	13.54
97	145.36	118.48	92.23	67.24	44.05	26.68	13.13	0.46	0.00	1.08
98	138.53	112.30	86.69	62.41	41.72	25.03	12.15	0.00	0.00	0.00
99	131.73	106.12	81.20	58.21	39.64	23.53	11.41	0.00	0.00	0.00
100	125.00	100.00	75.73	55.65	37.58	22.15	10.74	0.00	0.00	0.00
101	118.30	93.94	72.05	53.19	35.52	20.77	10.02	0.00	0.00	0.00
102	111.61	88.47	69.22	50.70	33.78	19.37	8.18	0.00	0.00	0.00
103	104.97	85.31	66.40	48.26	32.11	18.29	3.92	0.00	0.00	0.00
104	100.99	82.18	63.63	45.95	30.42	17.31	0.00	0.00	0.00	0.00
105	97.53	79.07	60.88	43.94	28.73	16.33	0.00	0.00	0.00	0.00
106	94.11	75.98	58.12	41.92	26.99	15.33	0.00	0.00	0.00	0.00
107	90.68	72.91	55.78	39.90	25.74	14.29	0.00	0.00	0.00	0.00
108	87.30	69.87	53.49	37.88	24.47	10.34	0.00	0.00	0.00	0.00
109	83.90	67.14	51.20	35.86	23.17	5.86	0.00	0.00	0.00	0.00
110	80.53	64.56	48.87	34.10	21.85	1.31	0.00	0.00	0.00	0.00
111	77.46	61.99	46.57	32.58	20.52	0.00	0.00	0.00	0.00	0.00
112	74.60	59.42	44.27	31.07	19.16	0.00	0.00	0.00	0.00	0.00
113	71.75	56.84	42.08	29.56	14.95	0.00	0.00	0.00	0.00	0.00
114	68.88	54.27	40.34	28.02	10.08	0.00	0.00	0.00	0.00	0.00
115	66.02	51.69	38.59	26.45	5.15	0.00	0.00	0.00	0.00	0.00
116	63.16	49.26	36.84	24.84	0.17	0.00	0.00	0.00	0.00	0.00
117	60.28	47.26	35.05	22.24	0.00	0.00	0.00	0.00	0.00	0.00
118	57.41	45.24	33.23	16.92	0.00	0.00	0.00	0.00	0.00	0.00
119	54.95	43.20	31.42	11.54	0.00	0.00	0.00	0.00	0.00	0.00
120	52.68	41.15	29.57	6.12	0.00	0.00	0.00	0.00	0.00	0.00
121	50.38	39.08	26.88	0.63	0.00	0.00	0.00	0.00	0.00	0.00
122	48.11	36.99	21.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	45.82	34.88	15.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	43.53	32.76	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	41.21	27.88	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	38.88	21.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	36.53	15.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	31.71	8.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	24.81	2.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	17.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	10.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	3.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16
1	3176.77	3176.30	3176.00	3175.53	3175.22	3174.76	3174.60	3174.45	3174.30	3174.14
2	3173.83	3173.21	3172.60	3172.13	3171.51	3170.74	3170.28	3169.81	3169.66	3169.50
3	3169.20	3168.27	3167.50	3166.88	3166.26	3165.80	3165.18	3164.71	3164.40	3164.25
4	3163.63	3162.40	3161.16	3160.39	3159.77	3159.00	3158.69	3158.53	3158.53	3158.53
5	3156.68	3155.13	3154.05	3153.28	3152.50	3152.04	3151.73	3151.73	3151.73	3152.04
6	3148.02	3146.63	3145.39	3144.93	3144.62	3144.16	3144.31	3144.47	3144.78	3145.39
7	3138.29	3136.74	3135.35	3134.89	3134.73	3135.19	3135.97	3136.59	3137.51	3138.13
8	3127.31	3125.77	3124.84	3124.22	3124.38	3124.84	3126.08	3127.78	3129.48	3131.18
9	3115.57	3113.56	3112.94	3112.48	3113.25	3114.48	3115.88	3118.04	3120.82	3123.14
10	3102.12	3100.42	3099.65	3100.27	3100.73	3102.58	3105.21	3107.99	3111.08	3114.95
11	3087.44	3085.43	3085.12	3086.05	3087.75	3090.84	3093.47	3097.48	3101.50	3105.52
12	3071.06	3069.67	3069.67	3071.21	3073.53	3076.93	3081.41	3085.74	3091.30	3096.25
13	3053.28	3052.05	3052.82	3054.98	3058.38	3062.71	3067.97	3074.15	3079.71	3079.87
14	3034.43	3033.50	3034.74	3037.52	3042.00	3047.56	3054.06	3061.32	3061.17	3061.17
15	3014.18	3014.03	3015.26	3018.97	3024.69	3031.49	3039.37	3040.92	3040.92	3042.16
16	2993.32	2993.16	2995.64	3000.43	3006.30	3014.65	3019.75	3020.05	3021.14	3023.30
17	2970.91	2971.68	2974.31	2980.03	2987.60	2996.72	2997.18	2998.42	3000.58	3003.36
18	2947.73	2948.50	2951.90	2958.85	2967.82	2973.54	2973.69	2976.01	2979.56	2983.74
19	2923.46	2924.39	2929.03	2936.60	2947.42	2948.65	2950.97	2953.60	2958.39	2963.80

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CANDELA TABULATION - (Cont.)

20	2897.65	2899.35	2904.92	2913.57	2922.69	2923.15	2926.24	2930.42	2936.44	2943.40
21	2871.38	2873.39	2879.72	2890.08	2895.33	2896.72	2901.05	2907.39	2914.50	2922.53
22	2843.10	2846.34	2854.53	2865.04	2867.51	2870.45	2875.86	2882.97	2892.09	2901.67
23	2814.81	2818.68	2826.71	2838.30	2838.77	2842.94	2850.05	2858.86	2869.68	2880.34
24	2784.98	2789.62	2799.20	2807.86	2810.02	2814.66	2823.62	2834.29	2845.88	2858.71
25	2754.85	2759.64	2770.30	2776.64	2779.58	2786.68	2796.73	2809.25	2822.23	2829.03
26	2722.55	2729.04	2741.25	2744.65	2749.28	2758.09	2769.38	2784.06	2794.57	2799.05
27	2690.56	2698.13	2710.96	2712.35	2718.06	2728.42	2742.17	2758.25	2763.19	2768.29
28	2657.79	2664.90	2677.73	2679.27	2686.23	2698.28	2714.20	2725.79	2731.51	2737.69
29	2623.17	2631.83	2642.64	2645.89	2654.39	2668.30	2685.76	2692.87	2699.36	2707.56
30	2587.93	2597.36	2606.63	2610.96	2621.63	2637.24	2653.31	2658.87	2667.06	2677.26
31	2552.08	2562.90	2569.70	2576.03	2588.71	2606.17	2617.61	2624.72	2634.14	2646.04
32	2515.60	2527.81	2532.91	2540.80	2555.17	2574.80	2581.44	2590.41	2601.84	2614.83
33	2478.36	2491.65	2495.82	2504.79	2521.17	2539.41	2545.28	2555.79	2569.23	2583.76
34	2440.65	2455.18	2457.65	2468.16	2486.39	2500.61	2508.65	2521.01	2536.16	2552.39
35	2401.86	2415.77	2419.17	2431.38	2451.78	2461.82	2472.18	2485.78	2502.78	2520.70
36	2362.76	2375.27	2380.06	2394.59	2416.54	2423.34	2434.93	2450.85	2469.24	2484.85
37	2322.57	2333.85	2340.50	2357.19	2375.89	2383.77	2397.84	2415.61	2436.32	2448.07
38	2281.77	2292.59	2300.63	2318.86	2334.94	2344.36	2360.28	2380.68	2397.68	2410.97
39	2240.97	2250.40	2260.29	2281.00	2293.67	2305.11	2322.73	2344.98	2358.89	2373.57
40	2199.86	2208.05	2219.49	2242.36	2251.32	2265.54	2284.71	2305.42	2320.25	2336.48
41	2158.13	2165.70	2179.00	2202.02	2209.60	2225.67	2247.31	2265.23	2281.46	2299.24
42	2115.17	2123.05	2137.73	2157.82	2167.40	2185.64	2209.60	2224.43	2242.82	2262.30
43	2072.51	2079.00	2096.00	2114.24	2125.37	2145.30	2167.10	2183.94	2204.19	2225.05
44	2029.08	2035.57	2054.43	2069.73	2083.02	2105.58	2125.21	2143.14	2165.40	2188.11
45	1985.19	1991.22	2012.24	2024.91	2040.98	2065.40	2082.71	2103.42	2126.60	2151.18
46	1939.91	1947.17	1970.51	1980.09	1998.33	2021.97	2040.21	2062.93	2088.28	2112.54
47	1894.01	1902.35	1927.54	1935.43	1956.14	1977.77	1998.02	2023.06	2049.95	2069.42
48	1847.02	1857.84	1879.32	1890.76	1913.32	1933.57	1955.98	1983.03	2009.30	2026.46
49	1800.50	1812.87	1833.11	1845.48	1870.98	1889.37	1914.41	1943.15	1965.25	1983.64
50	1753.67	1767.58	1785.82	1800.81	1825.54	1845.63	1872.68	1902.66	1920.74	1941.14
51	1706.23	1722.15	1738.37	1755.84	1779.48	1802.20	1830.80	1856.91	1877.01	1898.49
52	1658.94	1677.17	1691.08	1711.17	1733.27	1758.47	1789.53	1811.63	1833.11	1856.14
53	1610.72	1631.27	1643.64	1666.82	1687.84	1714.88	1745.64	1766.35	1789.69	1813.95
54	1563.27	1585.68	1597.12	1621.07	1641.78	1671.61	1698.81	1721.07	1746.10	1771.76
55	1515.37	1538.77	1549.51	1573.47	1596.96	1629.26	1652.14	1676.40	1702.83	1729.41
56	1466.97	1489.06	1502.33	1525.76	1551.68	1583.82	1605.93	1631.89	1659.25	1685.98
57	1419.06	1439.27	1455.12	1478.95	1507.09	1536.46	1559.87	1587.53	1616.59	1641.01
58	1370.82	1389.54	1407.89	1431.47	1462.50	1488.64	1513.61	1543.13	1571.46	1596.34
59	1322.20	1339.95	1361.89	1384.49	1418.83	1440.80	1468.16	1499.16	1525.68	1551.83
60	1273.72	1290.83	1313.18	1337.61	1370.13	1393.81	1423.00	1453.63	1480.63	1507.37
61	1225.53	1241.25	1264.09	1291.96	1321.42	1346.73	1378.06	1407.04	1435.33	1462.92
62	1176.73	1191.72	1215.33	1246.29	1272.56	1300.15	1332.87	1360.84	1390.47	1418.98
63	1128.29	1143.20	1167.07	1201.16	1224.31	1254.60	1285.42	1315.45	1345.62	1375.18
64	1080.41	1094.34	1118.88	1151.44	1176.43	1208.67	1238.84	1270.04	1301.48	1331.48
65	1030.29	1046.10	1071.38	1102.12	1128.86	1161.61	1192.55	1224.56	1256.98	1287.60
66	979.27	997.70	1024.26	1052.76	1082.34	1114.16	1146.31	1179.86	1212.98	1242.93
67	927.87	947.37	978.10	1003.92	1035.76	1067.47	1100.83	1135.58	1168.66	1198.93
68	876.99	897.95	931.19	955.98	988.58	1021.19	1056.04	1091.23	1123.96	1154.70
69	826.10	848.86	880.79	908.50	941.21	975.29	1011.31	1046.29	1079.73	1110.67
70	776.01	800.91	831.11	860.98	894.44	930.13	966.72	1001.64	1035.48	1067.15
71	726.57	753.28	782.22	814.60	848.57	885.37	922.12	957.39	991.65	1023.68
72	677.85	706.83	734.27	767.43	803.57	840.78	877.61	913.73	948.16	980.35
73	629.45	660.76	687.39	721.35	758.56	796.35	833.46	870.18	904.80	937.31
74	581.26	611.41	640.99	676.06	714.84	752.46	790.23	826.81	861.77	897.36
75	533.24	563.38	595.12	631.74	670.92	709.18	747.03	784.01	821.96	859.62

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CANDELA TABULATION - (Cont.)

76	486.94	516.58	550.41	588.22	627.70	666.45	704.64	743.75	784.54	822.03
77	440.99	471.27	506.89	545.85	585.17	624.12	663.34	706.86	747.48	784.79
78	397.61	427.58	464.11	503.92	543.58	582.53	627.02	670.27	710.62	747.62
79	353.41	384.81	422.40	463.22	502.43	545.75	591.08	634.02	673.94	710.62
80	310.80	343.86	382.42	423.02	463.99	510.54	555.47	597.94	637.50	673.84
81	270.32	305.02	344.34	384.10	430.20	475.84	520.20	562.25	601.35	637.07
82	232.32	268.08	307.65	350.35	396.87	441.67	485.21	526.89	565.34	602.26
83	196.74	233.40	272.61	318.94	364.18	408.00	450.50	492.57	535.11	574.21
84	164.36	200.73	243.63	288.33	332.19	374.69	419.93	465.69	507.59	546.30
85	135.25	171.58	215.58	258.45	300.99	348.09	394.10	439.04	480.28	518.51
86	109.08	147.50	188.55	231.08	277.63	323.69	368.62	412.63	453.19	490.83
87	88.20	124.64	165.37	209.66	254.64	299.61	343.42	386.39	426.22	463.25
88	70.86	106.25	146.51	188.78	232.03	275.82	318.50	360.32	399.39	435.75
89	57.90	90.79	128.21	168.30	209.75	252.29	293.81	334.41	372.68	408.35
90	46.80	75.91	110.38	148.19	187.79	228.98	269.35	308.64	346.08	381.06
91	40.92	67.69	100.25	136.42	174.67	214.55	253.89	292.32	329.02	363.38
92	35.90	59.78	90.38	124.89	161.75	200.28	238.59	276.12	312.07	345.77
93	32.79	53.41	80.70	113.53	149.02	186.17	223.43	260.03	295.19	328.25
94	30.13	49.38	73.62	102.32	136.41	172.20	208.39	244.03	278.39	310.78
95	28.09	45.42	68.74	95.21	123.88	158.31	193.42	228.12	261.67	293.35
96	26.15	42.41	63.97	89.60	117.26	146.01	178.47	212.26	245.02	275.96
97	24.28	40.01	59.25	84.08	110.98	139.03	167.52	196.43	228.42	258.58
98	22.45	37.64	56.25	78.62	104.75	132.16	160.02	187.53	214.31	241.24
99	20.90	35.44	53.46	73.75	98.58	125.33	152.54	179.54	205.74	230.43
100	19.47	33.34	50.74	70.58	92.44	118.56	145.12	171.58	197.22	221.49
101	18.03	31.27	48.02	67.48	88.16	111.82	137.76	163.64	188.75	212.52
102	14.55	29.17	45.61	64.41	84.71	105.71	130.42	155.69	180.28	203.59
103	6.81	27.44	43.28	61.36	81.28	101.87	123.11	147.78	171.84	194.69
104	0.00	25.85	40.96	58.45	77.89	98.12	118.51	139.90	163.42	185.80
105	0.00	24.26	38.64	55.86	74.55	94.39	114.41	133.99	155.00	176.91
106	0.00	22.66	36.29	53.25	71.22	90.68	110.35	129.61	148.16	168.04
107	0.00	21.04	34.50	50.66	68.28	86.99	106.30	125.27	143.48	160.67
108	0.00	15.00	32.72	48.06	65.42	83.36	102.27	120.89	138.81	155.71
109	0.00	8.37	30.93	45.44	62.55	80.02	98.26	116.52	134.15	150.77
110	0.00	1.85	29.11	43.14	59.67	76.89	94.26	112.19	129.49	145.80
111	0.00	0.00	27.28	41.14	56.81	73.76	90.62	107.86	124.85	140.85
112	0.00	0.00	25.41	39.13	53.94	70.64	87.24	103.56	120.24	135.92
113	0.00	0.00	19.69	37.12	51.22	67.53	83.82	99.73	115.62	130.98
114	0.00	0.00	13.15	35.08	48.99	64.39	80.44	96.09	111.07	126.04
115	0.00	0.00	6.67	33.01	46.76	61.28	77.04	92.44	107.16	121.11
116	0.00	0.00	0.22	30.94	44.51	58.33	73.66	88.77	103.25	116.71
117	0.00	0.00	0.00	27.61	42.27	55.87	70.27	85.12	99.33	112.55
118	0.00	0.00	0.00	20.89	40.00	53.38	66.86	81.47	95.44	108.41
119	0.00	0.00	0.00	14.18	37.71	50.87	63.90	77.81	91.54	104.27
120	0.00	0.00	0.00	7.48	35.41	48.35	61.16	74.17	87.64	100.11
121	0.00	0.00	0.00	0.76	32.11	45.82	58.42	70.74	83.72	95.99
122	0.00	0.00	0.00	0.00	25.04	43.28	55.68	67.77	79.81	91.84
123	0.00	0.00	0.00	0.00	17.96	40.74	52.92	64.79	76.06	87.69
124	0.00	0.00	0.00	0.00	10.86	38.17	50.16	61.79	72.85	83.54
125	0.00	0.00	0.00	0.00	3.76	32.42	47.36	58.80	69.65	79.74
126	0.00	0.00	0.00	0.00	0.00	24.95	44.58	55.80	66.41	76.31
127	0.00	0.00	0.00	0.00	0.00	17.46	41.77	52.78	63.18	72.87
128	0.00	0.00	0.00	0.00	0.00	9.96	36.18	49.76	59.94	69.43
129	0.00	0.00	0.00	0.00	0.00	2.43	28.27	46.71	56.69	65.98
130	0.00	0.00	0.00	0.00	0.00	0.00	20.33	43.66	53.43	62.52
131	0.00	0.00	0.00	0.00	0.00	0.00	12.38	35.93	50.16	59.04

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CANDELA TABULATION - (Cont.)

132	0.00	0.00	0.00	0.00	0.00	0.00	4.41	27.56	46.88	55.57
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.18	40.27	52.10
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.78	31.48	48.59
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.37	22.69	41.20
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.88	32.01
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.05	22.82
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.61
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.40
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>	<u>185</u>	<u>190</u>	<u>195</u>
0	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16
1	3173.99	3173.68	3173.68	3173.83	3173.83	3173.52	3173.37	3173.37	3173.37	3173.52
2	3169.20	3168.73	3168.73	3168.73	3168.58	3168.89	3168.42	3168.58	3168.73	3168.89

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CANDELA TABULATION - (Cont.)

3	3163.79	3163.79	3163.79	3163.63	3163.79	3163.94	3163.63	3163.79	3163.94	3164.10
4	3158.38	3158.53	3158.38	3158.69	3158.69	3158.84	3158.69	3159.00	3159.15	3159.00
5	3152.66	3152.81	3153.28	3153.43	3153.59	3153.89	3153.89	3154.20	3154.20	3154.05
6	3146.17	3146.94	3147.56	3148.02	3148.64	3148.95	3149.10	3149.26	3149.10	3148.79
7	3139.37	3140.76	3141.84	3142.92	3143.54	3144.00	3144.16	3144.47	3144.31	3143.54
8	3132.26	3134.11	3135.66	3137.36	3137.98	3139.06	3139.37	3139.68	3139.06	3138.29
9	3125.61	3127.47	3129.94	3131.64	3133.03	3134.11	3134.42	3134.73	3134.11	3133.03
10	3118.35	3120.67	3123.29	3125.77	3127.93	3129.17	3129.63	3129.79	3128.86	3127.47
11	3110.31	3114.02	3113.25	3113.40	3113.87	3114.02	3114.18	3114.64	3114.79	3115.10
12	3097.64	3097.64	3096.87	3097.64	3098.26	3098.57	3098.88	3099.18	3099.18	3098.88
13	3079.71	3080.64	3081.10	3081.41	3082.34	3083.11	3083.57	3083.73	3083.57	3082.80
14	3061.94	3063.48	3064.57	3065.34	3066.57	3067.66	3068.12	3068.27	3067.81	3066.73
15	3044.16	3045.71	3048.03	3049.26	3050.50	3052.05	3052.82	3052.82	3052.05	3050.66
16	3025.77	3028.56	3031.49	3033.04	3035.05	3036.28	3037.36	3037.36	3036.28	3034.43
17	3007.07	3010.63	3014.49	3017.12	3019.28	3020.98	3022.06	3021.75	3020.21	3018.20
18	2988.53	2993.01	2997.65	3000.74	3003.52	3005.68	3006.76	3006.15	3004.29	3001.51
19	2969.05	2975.08	2980.18	2984.82	2987.75	2990.38	2991.31	2990.54	2988.37	2985.44
20	2950.04	2957.00	2963.18	2968.28	2971.84	2974.93	2976.01	2975.24	2972.76	2968.90
21	2930.42	2938.92	2945.56	2948.96	2949.58	2950.97	2951.28	2951.28	2950.51	2948.96
22	2911.25	2919.13	2920.99	2923.15	2924.54	2925.93	2926.55	2926.24	2925.32	2923.62
23	2889.61	2891.78	2894.87	2897.50	2899.35	2901.21	2901.82	2901.36	2899.97	2898.42
24	2861.18	2864.73	2868.60	2872.00	2874.31	2876.32	2877.25	2876.48	2875.09	2872.77
25	2832.90	2837.07	2842.17	2846.34	2849.28	2851.44	2852.52	2851.90	2850.51	2846.96
26	2803.84	2809.87	2815.74	2820.53	2824.09	2826.56	2827.80	2827.02	2825.17	2821.30
27	2775.40	2782.05	2788.85	2794.72	2798.89	2801.68	2803.07	2802.14	2799.98	2795.65
28	2746.35	2754.38	2761.96	2768.76	2773.86	2777.10	2778.49	2777.41	2774.94	2770.15
29	2716.98	2726.57	2735.07	2742.64	2748.82	2752.37	2753.77	2752.68	2749.75	2744.34
30	2687.77	2698.59	2708.48	2716.83	2723.32	2727.65	2729.04	2728.11	2724.71	2718.22
31	2658.10	2670.31	2681.59	2689.94	2693.80	2696.43	2697.20	2696.89	2695.19	2691.79
32	2628.74	2642.34	2651.61	2657.17	2661.50	2664.44	2665.36	2664.90	2662.58	2659.18
33	2599.06	2610.96	2618.23	2624.41	2629.20	2632.29	2633.37	2632.75	2629.97	2626.57
34	2567.53	2576.19	2584.53	2591.80	2596.90	2600.14	2601.53	2600.76	2597.98	2593.19
35	2532.14	2541.57	2550.84	2558.88	2564.75	2568.31	2569.70	2568.77	2565.52	2559.96
36	2496.13	2506.95	2517.46	2525.96	2532.45	2536.47	2537.86	2536.78	2533.07	2526.73
37	2460.12	2472.49	2483.77	2492.89	2500.00	2504.48	2506.02	2504.63	2500.77	2493.97
38	2424.11	2438.02	2450.08	2459.97	2467.69	2472.64	2474.03	2472.64	2468.31	2460.74
39	2388.72	2403.40	2416.54	2427.36	2435.24	2440.65	2442.19	2440.65	2435.86	2427.67
40	2352.71	2368.94	2383.16	2394.44	2402.78	2408.81	2410.36	2408.66	2403.25	2394.28
41	2317.32	2334.16	2349.77	2361.52	2366.93	2371.26	2372.49	2371.41	2367.39	2361.21
42	2281.31	2299.70	2314.84	2322.57	2328.60	2333.24	2334.47	2333.39	2329.22	2322.42
43	2245.76	2264.15	2274.97	2283.78	2290.12	2295.22	2296.61	2295.37	2291.20	2283.93
44	2210.21	2223.35	2235.25	2244.83	2252.10	2257.04	2258.59	2257.20	2252.41	2245.14
45	2169.26	2182.55	2195.22	2205.73	2213.77	2219.02	2220.72	2219.18	2214.08	2206.20
46	2127.53	2142.21	2155.81	2166.94	2175.44	2181.16	2182.86	2181.16	2175.90	2167.71
47	2085.96	2101.72	2116.09	2127.99	2137.11	2142.99	2144.84	2143.14	2137.73	2129.39
48	2044.54	2061.23	2076.68	2089.20	2098.78	2104.97	2106.98	2105.12	2099.56	2090.59
49	2002.81	2020.58	2037.12	2050.56	2060.46	2066.95	2068.96	2067.10	2061.38	2051.96
50	1961.24	1980.40	1997.40	2011.77	2021.97	2029.08	2031.09	2028.93	2023.21	2013.16
51	1919.82	1940.06	1957.99	1972.83	1981.48	1987.51	1989.21	1987.35	1982.41	1974.37
52	1879.01	1899.88	1917.81	1930.48	1939.44	1945.63	1947.33	1945.47	1940.22	1931.87
53	1837.75	1858.77	1874.84	1887.82	1897.25	1903.59	1905.44	1903.43	1898.02	1889.06
54	1796.33	1815.34	1831.88	1845.32	1855.21	1861.71	1863.56	1861.55	1855.68	1846.25
55	1751.97	1771.91	1789.07	1802.82	1813.02	1819.67	1821.68	1819.51	1813.49	1803.59
56	1707.93	1728.33	1746.10	1760.32	1770.98	1777.78	1779.79	1777.63	1771.29	1760.94
57	1664.35	1685.05	1703.45	1718.13	1728.95	1735.90	1737.91	1735.59	1729.10	1718.44
58	1619.99	1641.94	1660.64	1675.78	1686.91	1693.86	1695.87	1693.56	1686.75	1675.78

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CANDELA TABULATION - (Cont.)

59	1576.41	1598.66	1617.98	1633.44	1645.03	1651.98	1653.99	1651.67	1644.56	1633.13
60	1532.61	1555.85	1575.63	1591.24	1602.99	1610.10	1612.11	1609.63	1602.37	1590.47
61	1489.18	1512.90	1533.09	1548.90	1560.33	1567.44	1569.45	1567.13	1559.87	1547.97
62	1445.81	1470.06	1490.25	1505.92	1517.41	1524.63	1526.78	1524.40	1517.01	1505.02
63	1402.66	1426.60	1446.79	1462.64	1474.54	1481.90	1484.09	1481.68	1474.26	1462.02
64	1358.91	1382.65	1403.30	1419.54	1431.67	1439.17	1441.39	1438.97	1431.50	1419.07
65	1314.74	1338.86	1359.90	1376.59	1388.88	1396.43	1398.71	1396.26	1388.75	1376.20
66	1270.82	1295.33	1316.62	1333.56	1346.10	1353.69	1356.02	1353.55	1346.02	1333.30
67	1226.91	1251.93	1273.40	1290.58	1303.33	1310.95	1313.33	1310.86	1303.29	1290.41
68	1183.25	1208.56	1230.22	1247.69	1260.43	1268.19	1270.63	1268.19	1260.46	1247.63
69	1139.65	1165.26	1187.07	1204.87	1217.56	1225.44	1227.94	1225.52	1217.67	1204.88
70	1096.17	1122.06	1144.08	1162.07	1174.70	1182.69	1185.26	1182.83	1174.87	1162.15
71	1052.95	1078.99	1101.12	1120.95	1135.23	1144.15	1147.02	1144.24	1135.34	1121.03
72	1010.11	1037.32	1062.31	1082.71	1097.07	1105.91	1108.77	1105.96	1097.06	1082.67
73	969.55	999.26	1024.25	1044.49	1058.93	1067.69	1070.53	1067.69	1058.79	1044.37
74	931.52	961.14	986.26	1006.32	1020.80	1029.49	1032.28	1029.42	1020.52	1006.10
75	893.59	923.30	948.22	968.19	982.63	991.28	994.05	991.17	982.24	967.81
76	855.85	885.54	910.28	930.11	944.47	953.09	955.80	952.92	944.00	929.57
77	818.31	847.78	872.40	892.06	906.33	914.90	917.56	914.66	905.77	891.37
78	780.89	810.15	834.57	854.03	868.20	876.70	879.31	876.40	867.58	853.19
79	743.60	772.56	796.81	816.02	830.10	838.51	841.07	838.15	829.39	815.05
80	706.45	735.08	759.12	778.05	792.02	800.30	802.82	799.89	791.20	776.94
81	669.42	698.35	724.93	745.90	761.37	770.60	773.44	770.20	760.59	744.81
82	638.12	669.46	695.88	716.72	732.06	741.22	744.05	740.85	731.31	715.69
83	609.61	640.65	666.87	687.55	702.74	711.82	714.65	711.52	702.07	686.60
84	581.26	611.97	637.89	658.38	673.43	682.46	685.27	682.17	672.82	657.53
85	553.04	583.33	608.97	629.25	644.13	653.08	655.88	652.83	643.59	628.51
86	524.90	554.74	580.07	600.12	614.84	623.70	626.48	623.50	614.37	599.48
87	496.83	526.21	551.22	571.00	585.57	594.32	597.09	594.17	585.16	570.49
88	468.83	497.74	522.39	541.90	556.30	564.96	567.71	564.85	555.96	541.53
89	440.91	469.31	493.60	512.83	527.05	535.59	538.31	535.51	526.77	512.58
90	413.05	440.93	464.84	483.76	497.79	506.23	508.92	506.20	497.59	483.63
91	394.80	422.26	445.78	464.44	478.24	486.55	489.21	486.51	478.01	464.25
92	376.61	403.64	426.77	445.13	458.70	466.88	469.49	466.80	458.46	444.89
93	358.48	385.05	407.76	425.83	439.17	447.20	449.77	447.11	438.89	425.52
94	340.38	366.48	388.79	406.56	419.63	427.53	430.05	427.42	419.34	406.19
95	322.33	347.95	369.84	387.27	400.11	407.86	410.33	407.75	399.79	386.85
96	304.31	329.45	350.89	368.01	380.59	388.18	390.61	388.06	380.24	367.53
97	286.32	310.97	331.96	348.76	361.07	368.52	370.89	368.37	360.70	348.22
98	268.36	292.50	313.02	329.50	341.57	348.85	351.17	348.69	341.15	328.91
99	253.14	274.06	294.11	310.26	322.07	329.19	331.46	329.01	321.62	309.62
100	243.77	263.63	280.45	294.02	303.91	309.86	311.74	309.67	303.44	293.37
101	234.42	253.91	270.43	283.75	293.47	299.33	301.20	299.18	293.07	283.18
102	225.07	244.19	260.42	273.51	283.06	288.82	290.66	288.68	282.70	273.01
103	215.72	234.47	250.43	263.26	272.63	278.30	280.12	278.17	272.33	262.83
104	206.39	224.76	240.43	253.01	262.21	267.77	269.58	267.68	261.96	252.67
105	197.07	215.06	230.43	242.77	251.79	257.26	259.04	257.17	251.59	242.50
106	187.76	205.37	220.43	232.52	241.38	246.74	248.52	246.68	241.24	232.35
107	178.46	195.68	210.43	222.27	230.96	236.23	237.98	236.18	230.87	222.18
108	171.21	186.03	200.42	212.04	220.54	225.70	227.44	225.67	220.50	212.03
109	165.97	179.49	190.96	201.80	210.13	215.19	216.89	215.18	210.13	201.86
110	160.73	174.02	185.29	194.33	200.96	204.99	206.35	204.99	200.99	194.41
111	155.52	168.55	179.62	188.50	195.01	198.97	200.30	198.97	195.03	188.57
112	150.30	163.08	173.95	182.66	189.06	192.94	194.24	192.94	189.06	182.72
113	145.09	157.63	168.29	176.84	183.11	186.91	188.20	186.91	183.09	176.88
114	139.89	152.17	162.62	171.01	177.16	180.88	182.14	180.88	177.13	171.04

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CANDELA TABULATION - (Cont.)

115	134.68	146.72	156.95	165.18	171.21	174.86	176.08	174.86	171.16	165.18
116	129.47	141.26	151.29	159.36	165.26	168.83	170.02	168.83	165.20	159.34
117	124.63	135.81	145.62	153.52	159.31	162.80	163.96	162.80	159.23	153.49
118	120.28	130.69	139.96	147.69	153.37	156.78	157.90	156.78	153.27	147.64
119	115.91	126.12	134.76	141.85	147.43	150.75	151.85	150.75	147.30	141.79
120	111.52	121.56	130.05	136.84	141.85	144.81	145.80	144.81	141.71	136.78
121	107.18	116.99	125.31	131.97	136.88	139.79	140.75	139.79	136.76	131.91
122	102.81	112.42	120.58	127.10	131.91	134.76	135.71	134.76	131.80	127.05
123	98.43	107.84	115.84	122.23	126.95	129.74	130.66	129.73	126.85	122.19
124	94.05	103.27	111.11	117.37	121.97	124.71	125.62	124.70	121.88	117.34
125	89.67	98.71	106.38	112.50	117.00	119.69	120.57	119.67	116.92	112.48
126	85.28	94.14	101.63	107.63	112.02	114.66	115.53	114.64	111.96	107.61
127	81.65	89.55	96.89	102.76	107.05	109.64	110.48	109.61	107.01	102.75
128	78.03	85.54	92.14	97.88	102.07	104.61	105.44	104.58	102.05	97.89
129	74.38	81.75	87.99	93.02	97.10	99.59	100.39	99.55	97.10	93.02
130	70.74	77.94	84.04	88.93	92.49	94.65	95.35	94.61	92.48	88.92
131	67.10	74.14	80.08	84.85	88.33	90.44	91.12	90.40	88.32	84.84
132	63.45	70.32	76.13	80.78	84.17	86.23	86.89	86.20	84.15	80.76
133	59.78	66.50	72.18	76.70	80.01	82.02	82.66	81.99	79.99	76.68
134	56.11	62.69	68.22	72.63	75.85	77.80	78.43	77.79	75.82	72.59
135	52.46	58.87	64.25	68.56	71.69	73.59	74.20	73.58	71.66	68.51
136	48.22	55.04	60.29	64.48	67.53	69.38	69.97	69.38	67.50	64.42
137	38.68	51.19	56.32	60.40	63.36	65.17	65.74	65.17	63.35	60.33
138	29.12	42.57	52.35	56.31	59.20	60.95	61.51	60.96	59.18	56.25
139	19.56	32.71	43.68	52.24	55.04	56.74	57.28	56.75	55.02	52.16
140	10.00	22.83	33.55	42.01	48.14	51.83	53.05	51.85	48.13	41.96
141	0.42	12.96	23.41	31.68	37.65	41.25	42.44	41.27	37.63	31.64
142	0.00	3.07	13.27	21.33	27.15	30.66	31.83	30.68	27.14	21.30
143	0.00	0.00	3.13	10.98	16.66	20.08	21.22	20.09	16.65	10.97
144	0.00	0.00	0.00	0.63	6.16	9.50	10.61	9.50	6.16	0.63
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>200</u>	<u>205</u>	<u>210</u>	<u>215</u>	<u>220</u>	<u>225</u>	<u>230</u>	<u>235</u>	<u>240</u>	<u>245</u>
0	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16
1	3173.68	3173.83	3173.99	3174.14	3174.45	3174.76	3175.07	3175.38	3175.53	3175.84
2	3169.04	3169.20	3169.35	3169.81	3169.97	3170.28	3170.59	3171.05	3171.36	3171.82
3	3164.10	3164.40	3164.40	3164.40	3164.71	3165.18	3165.49	3165.95	3166.57	3167.34
4	3159.00	3159.00	3159.00	3159.15	3159.15	3159.46	3159.30	3159.92	3160.70	3161.31
5	3153.74	3153.59	3153.28	3153.12	3152.81	3152.81	3153.28	3152.97	3153.43	3153.89
6	3148.33	3147.87	3146.94	3146.63	3146.32	3145.55	3145.09	3145.09	3145.39	3146.32
7	3142.92	3141.69	3140.76	3139.68	3138.59	3137.67	3137.36	3136.74	3136.74	3136.59
8	3137.20	3135.66	3133.96	3132.26	3130.87	3129.79	3128.39	3127.16	3126.54	3126.23
9	3131.02	3129.32	3126.85	3124.84	3122.52	3120.36	3118.50	3116.49	3115.41	3115.10
10	3124.99	3122.52	3119.74	3116.96	3113.71	3110.78	3107.53	3105.52	3103.51	3102.43
11	3115.10	3115.72	3112.32	3108.46	3104.44	3100.11	3096.71	3093.47	3090.53	3088.52
12	3098.72	3099.18	3099.80	3099.80	3094.08	3089.45	3084.35	3079.71	3076.31	3073.53
13	3082.34	3082.34	3082.49	3082.49	3083.88	3077.55	3071.67	3065.80	3061.47	3058.07
14	3066.11	3065.18	3064.57	3063.95	3064.57	3065.18	3057.77	3051.74	3046.02	3041.07
15	3049.26	3047.87	3046.17	3045.40	3044.63	3044.47	3044.16	3036.28	3028.56	3023.30
16	3032.26	3030.41	3027.94	3025.93	3024.38	3023.92	3024.69	3019.13	3011.40	3004.45
17	3015.73	3012.48	3009.55	3006.15	3003.52	3002.28	3001.51	3002.59	2993.01	2984.66
18	2998.57	2994.25	2990.54	2986.21	2982.81	2979.87	2978.64	2979.10	2973.07	2963.64
19	2981.26	2976.32	2971.06	2965.65	2961.17	2957.15	2954.83	2953.75	2952.98	2942.63
20	2963.80	2958.24	2951.59	2945.10	2939.07	2933.82	2930.11	2927.94	2929.18	2920.37
21	2946.18	2939.69	2931.65	2924.08	2916.82	2910.48	2905.07	2902.13	2902.13	2897.50
22	2921.45	2920.06	2911.87	2902.60	2893.94	2886.06	2879.57	2875.40	2874.31	2872.61
23	2895.49	2892.55	2889.77	2881.42	2871.38	2861.02	2853.30	2847.89	2845.10	2846.03
24	2869.52	2865.81	2861.95	2859.17	2847.58	2836.60	2826.87	2819.76	2815.59	2815.43
25	2843.40	2838.46	2833.82	2829.50	2823.93	2810.64	2799.67	2790.55	2785.45	2784.37
26	2816.98	2810.95	2805.39	2800.59	2795.80	2784.83	2771.85	2761.49	2754.85	2752.22
27	2790.39	2783.44	2777.26	2770.46	2764.58	2758.40	2743.72	2731.82	2723.17	2719.30
28	2763.81	2756.39	2748.36	2740.32	2733.06	2727.49	2715.28	2701.53	2691.48	2685.92
29	2737.07	2728.88	2719.46	2709.87	2701.37	2694.11	2686.54	2670.46	2658.72	2651.76
30	2710.80	2701.22	2690.86	2680.05	2669.38	2660.73	2654.54	2639.40	2625.49	2617.14
31	2684.53	2673.71	2661.96	2649.29	2637.54	2626.73	2619.00	2607.56	2591.95	2581.75
32	2654.24	2645.89	2632.75	2618.69	2605.40	2593.34	2584.07	2575.42	2557.95	2545.90
33	2620.54	2614.52	2603.39	2588.24	2573.10	2559.34	2547.75	2539.87	2523.18	2509.58
34	2586.85	2579.90	2572.17	2557.64	2540.80	2524.72	2511.59	2502.00	2488.25	2472.49
35	2553.01	2544.66	2536.31	2526.58	2508.34	2491.03	2475.27	2463.99	2453.01	2435.70
36	2518.85	2509.89	2499.84	2490.26	2475.58	2455.79	2438.79	2425.35	2417.31	2397.68
37	2485.00	2474.65	2463.37	2452.55	2442.97	2421.33	2402.32	2386.86	2377.13	2359.20
38	2451.00	2439.88	2427.36	2415.15	2403.40	2386.56	2365.54	2347.76	2336.02	2320.56
39	2417.31	2404.95	2391.19	2377.44	2364.61	2351.94	2328.60	2309.13	2295.06	2281.77
40	2383.31	2369.40	2354.72	2340.04	2324.58	2312.68	2291.66	2269.87	2253.80	2242.21
41	2349.31	2334.32	2318.24	2302.02	2285.48	2270.95	2254.42	2230.46	2212.53	2201.87

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42	2313.92	2299.39	2282.23	2264.46	2246.07	2230.15	2217.01	2191.21	2170.96	2158.29
43	2274.66	2263.38	2246.07	2226.13	2206.66	2188.58	2174.05	2151.95	2129.08	2114.70
44	2235.41	2223.04	2209.75	2188.58	2167.25	2147.62	2130.93	2112.69	2087.35	2070.66
45	2196.00	2182.86	2168.95	2150.71	2128.30	2106.36	2087.81	2073.28	2045.77	2026.61
46	2156.28	2142.83	2127.84	2111.61	2088.58	2065.25	2044.85	2029.08	2004.20	1982.10
47	2117.18	2102.80	2086.57	2068.96	2049.64	2024.14	2001.73	1984.11	1962.16	1938.21
48	2078.07	2062.62	2045.62	2026.76	2008.53	1983.18	1958.76	1939.13	1920.28	1894.32
49	2038.97	2022.44	2004.20	1984.42	1964.64	1942.53	1915.80	1894.01	1878.40	1849.96
50	1999.87	1982.41	1963.09	1942.07	1921.36	1900.96	1872.99	1849.03	1832.19	1805.60
51	1960.62	1942.53	1922.13	1900.03	1877.78	1855.99	1830.33	1804.52	1785.05	1761.09
52	1920.43	1903.12	1881.18	1858.31	1834.35	1811.01	1788.14	1759.70	1738.22	1717.36
53	1877.16	1862.17	1840.69	1816.58	1791.23	1766.35	1743.78	1715.19	1691.24	1672.85
54	1833.73	1817.97	1799.89	1775.00	1748.27	1721.84	1697.57	1670.99	1644.87	1628.34
55	1790.30	1773.92	1754.91	1733.58	1705.46	1677.48	1651.67	1627.10	1598.66	1579.19
56	1747.03	1730.34	1710.40	1689.85	1662.95	1633.74	1605.77	1581.66	1551.83	1530.49
57	1703.91	1686.45	1665.74	1644.56	1620.76	1590.01	1560.49	1534.28	1506.01	1481.95
58	1660.79	1642.55	1621.54	1598.82	1575.17	1546.73	1515.05	1486.97	1460.22	1433.39
59	1617.67	1598.97	1577.02	1553.53	1528.67	1503.15	1470.15	1440.36	1414.72	1385.40
60	1574.55	1555.39	1532.59	1508.06	1482.59	1456.88	1425.77	1393.91	1367.21	1337.47
61	1531.65	1511.84	1488.42	1463.01	1436.40	1409.72	1381.43	1347.53	1318.51	1290.24
62	1488.51	1468.53	1444.50	1418.09	1390.31	1362.91	1336.04	1301.79	1270.65	1243.07
63	1445.52	1425.13	1400.71	1373.68	1345.03	1316.13	1287.89	1256.64	1223.03	1196.63
64	1402.32	1381.47	1356.88	1329.41	1299.78	1269.56	1240.12	1211.84	1176.14	1147.44
65	1359.14	1337.92	1312.96	1285.10	1254.99	1223.85	1193.02	1164.05	1129.60	1098.45
66	1316.11	1294.60	1269.19	1240.89	1210.26	1177.98	1146.25	1115.65	1083.62	1050.21
67	1273.12	1251.36	1225.76	1196.82	1165.51	1132.46	1099.30	1067.69	1038.48	1001.88
68	1230.08	1208.18	1182.34	1153.05	1121.27	1087.52	1053.16	1020.32	989.83	954.98
69	1187.13	1165.17	1138.91	1109.53	1077.46	1042.81	1007.86	973.43	941.62	908.47
70	1144.39	1122.22	1095.79	1066.28	1033.86	998.90	962.40	926.65	893.54	862.42
71	1101.68	1079.45	1053.06	1023.18	990.39	954.98	918.30	880.92	846.48	815.37
72	1062.68	1037.74	1010.24	980.28	947.11	911.67	874.44	836.01	799.86	767.03
73	1024.37	999.27	969.72	937.58	904.39	868.60	831.01	791.90	753.97	719.48
74	986.10	961.02	931.41	897.56	861.80	825.90	788.19	748.65	708.95	672.82
75	947.85	922.80	893.19	859.31	821.97	783.71	745.53	706.04	665.48	627.18
76	909.68	884.64	855.09	821.25	784.05	743.40	703.60	664.02	623.18	582.34
77	871.54	846.55	817.13	783.44	746.26	705.83	662.96	622.62	581.80	539.69
78	833.44	808.57	779.35	745.84	708.87	668.81	625.94	581.59	540.85	498.39
79	795.41	770.74	741.71	708.39	671.78	631.95	589.38	544.51	500.71	458.13
80	757.49	732.97	704.22	671.10	634.91	595.40	553.01	508.87	462.78	418.91
81	723.29	696.00	666.84	633.87	598.23	559.16	517.46	473.83	428.41	380.69
82	694.44	667.38	635.52	598.77	561.66	523.23	482.16	439.14	394.74	346.87
83	665.55	638.85	607.12	570.88	531.43	488.47	447.25	404.98	361.49	315.42
84	636.71	610.36	578.80	543.10	504.13	461.69	416.71	371.23	328.93	284.67
85	607.92	581.94	550.60	515.45	477.03	435.20	391.06	344.68	297.26	254.67
86	579.17	553.60	522.49	487.93	450.13	409.09	365.76	320.46	274.23	227.34
87	550.46	525.31	494.45	460.51	423.36	383.17	340.74	296.57	251.65	206.35
88	521.79	497.08	466.51	433.19	396.73	357.41	315.93	272.97	229.48	185.88
89	493.15	468.90	438.64	405.97	370.22	331.79	291.34	249.64	207.64	165.89
90	464.56	440.79	410.85	378.83	343.83	306.30	266.94	226.57	186.11	146.30
91	445.44	422.00	392.70	361.20	326.83	290.03	251.51	212.17	172.86	134.47
92	426.34	403.25	374.58	343.66	309.92	273.86	236.24	197.93	159.82	122.88
93	407.27	384.54	356.53	326.16	293.10	257.80	221.10	183.87	146.95	111.48
94	388.23	365.87	338.54	308.74	276.35	241.84	206.06	169.91	134.21	100.21
95	369.20	347.21	320.57	291.39	259.67	225.95	191.12	156.05	121.59	93.30
96	350.19	328.59	302.65	274.06	243.06	210.13	176.23	143.84	115.30	88.01
97	331.20	310.00	284.76	256.78	226.49	194.39	165.45	137.17	109.34	82.80

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CANDELA TABULATION - (Cont.)

98	312.22	291.40	266.88	239.55	212.47	185.74	158.21	130.58	103.45	77.62
99	293.23	272.84	251.75	228.89	204.18	177.98	151.01	124.05	97.64	72.99
100	279.61	262.53	242.53	220.11	195.88	170.24	143.88	117.55	91.81	69.75
101	269.70	252.95	233.34	211.38	187.62	162.54	136.81	111.06	87.51	66.57
102	259.78	243.37	224.14	202.65	179.39	154.87	129.72	105.16	83.99	63.41
103	249.89	233.80	214.98	193.93	171.18	147.21	122.68	101.30	80.52	60.32
104	239.98	224.24	205.80	185.24	163.00	139.57	118.04	97.49	77.06	57.36
105	230.09	214.68	196.65	176.54	154.80	133.74	113.89	93.71	73.61	54.82
106	220.19	205.15	187.50	167.87	148.05	129.31	109.79	89.93	70.19	52.29
107	210.31	195.61	178.35	160.65	143.31	124.88	105.69	86.18	67.33	49.77
108	200.42	186.06	171.16	155.65	138.59	120.47	101.61	82.46	64.54	47.25
109	191.02	179.51	165.92	150.64	133.88	116.08	97.55	79.17	61.75	44.75
110	185.34	174.01	160.67	145.65	129.19	111.71	93.49	76.09	58.96	42.46
111	179.65	168.52	155.43	140.67	124.50	107.33	89.90	73.02	56.19	40.42
112	173.96	163.03	150.18	135.69	119.82	102.95	86.56	69.99	53.42	38.39
113	168.29	157.55	144.94	130.73	115.15	99.18	83.23	66.96	50.77	36.35
114	162.60	152.06	139.71	125.77	110.58	95.59	79.91	63.90	48.49	34.30
115	156.90	146.59	134.46	120.80	106.73	91.98	76.58	60.82	46.21	32.24
116	151.21	141.11	129.23	116.43	102.85	88.39	73.25	57.94	43.91	30.15
117	145.53	135.63	124.38	112.29	99.00	84.78	69.94	55.42	41.61	26.85
118	139.84	130.50	120.03	108.17	95.12	81.18	66.59	52.90	39.31	20.33
119	134.65	125.94	115.67	104.04	91.25	77.58	63.63	50.37	37.00	13.81
120	129.95	121.40	111.33	99.92	87.39	73.95	60.87	47.84	34.66	7.28
121	125.24	116.86	106.97	95.79	83.50	70.53	58.10	45.28	31.35	0.74
122	120.53	112.32	102.63	91.67	79.61	67.53	55.33	42.72	24.46	0.00
123	115.81	107.75	98.27	87.55	75.90	64.50	52.55	40.14	17.56	0.00
124	111.10	103.20	93.92	83.42	72.66	61.48	49.74	37.57	10.64	0.00
125	106.38	98.65	89.58	79.62	69.42	58.45	46.93	31.92	3.69	0.00
126	101.64	94.10	85.21	76.16	66.18	55.42	44.10	24.57	0.00	0.00
127	96.90	89.54	81.56	72.70	62.92	52.37	41.25	17.20	0.00	0.00
128	92.18	85.54	77.91	69.25	59.65	49.33	35.71	9.81	0.00	0.00
129	88.02	81.73	74.25	65.78	56.39	46.26	27.91	2.40	0.00	0.00
130	84.04	77.91	70.59	62.29	53.10	43.18	20.07	0.00	0.00	0.00
131	80.07	74.07	66.93	58.81	49.82	35.55	12.22	0.00	0.00	0.00
132	76.10	70.24	63.25	55.32	46.53	27.28	4.35	0.00	0.00	0.00
133	72.12	66.40	59.59	51.82	39.96	18.99	0.00	0.00	0.00	0.00
134	68.16	62.57	55.91	48.32	31.25	10.68	0.00	0.00	0.00	0.00
135	64.18	58.73	52.23	40.96	22.52	2.34	0.00	0.00	0.00	0.00
136	60.19	54.87	47.99	31.83	13.78	0.00	0.00	0.00	0.00	0.00
137	56.21	51.02	38.50	22.69	5.01	0.00	0.00	0.00	0.00	0.00
138	52.23	42.43	28.99	13.54	0.00	0.00	0.00	0.00	0.00	0.00
139	43.57	32.60	19.48	4.37	0.00	0.00	0.00	0.00	0.00	0.00
140	33.47	22.77	9.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	23.36	12.92	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	13.24	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	3.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>250</u>	<u>255</u>	<u>260</u>	<u>265</u>	<u>270</u>	<u>275</u>	<u>280</u>	<u>285</u>	<u>290</u>	<u>295</u>
0	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16
1	3176.15	3176.61	3176.92	3177.39	3177.70	3177.23	3176.77	3176.30	3175.84	3175.38
2	3172.60	3173.37	3174.14	3174.91	3175.69	3174.60	3173.68	3172.75	3171.67	3170.90
3	3168.11	3168.73	3169.66	3170.74	3171.82	3170.43	3169.04	3167.96	3166.88	3165.80
4	3162.70	3163.63	3164.71	3165.95	3167.50	3165.64	3163.94	3162.40	3161.00	3159.30
5	3154.67	3155.90	3157.30	3159.00	3161.00	3158.53	3156.37	3154.51	3152.81	3151.42
6	3146.94	3147.71	3149.41	3151.58	3153.89	3150.96	3148.33	3146.01	3144.47	3143.39
7	3137.36	3138.13	3139.99	3142.30	3145.09	3141.53	3138.44	3135.97	3134.42	3133.03
8	3126.23	3127.47	3129.17	3131.64	3134.73	3130.87	3127.62	3124.99	3123.14	3122.21
9	3114.95	3115.41	3117.11	3120.05	3123.45	3119.12	3115.26	3112.78	3111.55	3110.62
10	3101.66	3102.28	3103.51	3106.14	3109.85	3105.21	3101.66	3099.49	3097.79	3097.64
11	3087.28	3087.28	3088.52	3091.30	3095.17	3090.22	3086.51	3084.35	3083.27	3083.42
12	3071.98	3071.83	3073.07	3075.54	3079.56	3074.30	3070.59	3068.43	3067.50	3068.12
13	3055.91	3054.83	3055.29	3057.77	3062.09	3056.53	3052.82	3050.96	3050.81	3051.89
14	3037.67	3036.28	3037.06	3039.37	3043.86	3038.14	3034.27	3032.42	3032.42	3034.58
15	3019.28	3017.12	3017.43	3019.28	3023.76	3017.89	3014.49	3012.48	3013.56	3016.19
16	2999.35	2996.72	2996.72	2998.73	3003.52	2997.34	2993.94	2992.39	2993.47	2996.56
17	2978.79	2975.39	2974.62	2976.47	2981.26	2974.93	2971.37	2970.75	2972.61	2976.94
18	2957.15	2952.67	2951.74	2953.60	2958.70	2951.90	2948.34	2947.73	2950.35	2955.76
19	2934.74	2929.49	2927.33	2929.03	2934.13	2927.02	2923.62	2924.08	2927.63	2933.82
20	2910.94	2904.61	2901.82	2902.60	2908.01	2900.74	2897.81	2898.58	2903.06	2911.10
21	2886.06	2878.33	2875.71	2876.32	2881.58	2874.31	2871.53	2872.31	2877.71	2887.14
22	2860.56	2851.90	2847.73	2848.35	2853.91	2846.19	2843.56	2845.57	2852.06	2861.80
23	2833.98	2824.70	2819.76	2819.76	2825.17	2817.44	2815.28	2818.06	2825.17	2835.06
24	2806.93	2795.80	2789.93	2789.78	2795.19	2787.30	2785.29	2788.85	2797.97	2804.46

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CANDELA TABULATION - (Cont.)

25	2778.65	2766.28	2759.64	2758.56	2763.97	2755.93	2754.69	2758.71	2768.60	2772.93
26	2749.59	2735.84	2728.11	2726.41	2731.82	2723.94	2723.17	2727.96	2738.93	2739.55
27	2719.76	2704.46	2695.81	2693.96	2699.06	2691.33	2690.40	2697.05	2708.64	2706.32
28	2686.07	2672.78	2662.58	2660.26	2665.52	2657.48	2657.48	2664.44	2675.72	2672.32
29	2650.99	2640.02	2629.04	2625.64	2630.74	2623.02	2623.48	2631.36	2639.86	2638.47
30	2615.29	2606.33	2594.27	2590.56	2595.35	2587.47	2588.55	2597.83	2603.54	2603.08
31	2578.35	2572.17	2558.57	2554.40	2559.96	2551.31	2552.39	2562.74	2566.76	2567.38
32	2541.11	2536.93	2522.87	2517.61	2522.25	2514.52	2516.22	2527.35	2528.59	2531.37
33	2503.24	2501.08	2485.47	2479.44	2484.23	2476.19	2478.82	2491.50	2490.57	2494.59
34	2464.60	2464.60	2447.45	2441.27	2445.75	2437.71	2440.80	2454.87	2451.93	2456.88
35	2425.50	2425.35	2409.27	2401.70	2406.34	2398.30	2402.47	2414.84	2412.67	2419.47
36	2386.09	2384.70	2370.64	2362.14	2366.00	2358.74	2363.37	2374.19	2372.49	2380.99
37	2346.22	2343.28	2330.61	2321.49	2325.35	2317.94	2323.65	2332.93	2332.15	2342.35
38	2306.04	2301.55	2290.74	2279.92	2283.47	2276.36	2283.32	2290.89	2291.97	2303.56
39	2264.77	2259.36	2249.47	2238.65	2241.74	2234.94	2242.05	2248.39	2250.71	2264.00
40	2223.66	2216.40	2208.51	2196.15	2198.93	2192.29	2200.79	2204.65	2208.98	2224.59
41	2182.24	2173.12	2167.10	2153.34	2155.97	2149.48	2159.06	2161.69	2167.25	2183.63
42	2140.05	2129.69	2124.29	2109.76	2111.92	2105.89	2116.25	2117.79	2125.21	2139.74
43	2098.01	2085.34	2081.78	2066.64	2068.65	2062.16	2073.90	2073.28	2082.40	2095.54
44	2055.20	2041.29	2038.97	2022.13	2023.67	2017.80	2030.47	2028.77	2039.28	2051.49
45	2012.39	1996.78	1995.55	1977.31	1978.24	1972.83	1986.74	1983.95	1996.01	2006.98
46	1970.04	1951.50	1949.49	1932.49	1933.73	1928.01	1941.14	1938.36	1953.04	1962.32
47	1925.69	1906.06	1903.43	1886.74	1886.43	1882.26	1894.78	1892.77	1908.07	1917.50
48	1879.32	1860.93	1856.30	1840.38	1840.38	1835.90	1846.87	1847.02	1861.55	1872.99
49	1833.27	1815.03	1808.54	1794.17	1792.93	1789.84	1799.11	1800.97	1814.41	1828.63
50	1785.82	1768.82	1760.94	1747.65	1745.64	1742.55	1751.51	1754.76	1767.28	1783.66
51	1739.15	1722.77	1712.72	1700.36	1698.66	1695.41	1702.98	1708.70	1720.45	1739.15
52	1692.47	1676.25	1664.65	1653.22	1650.90	1647.96	1654.61	1661.72	1673.62	1695.10
53	1645.64	1629.57	1616.13	1605.77	1602.99	1600.52	1606.08	1614.73	1626.64	1650.28
54	1598.82	1583.36	1568.06	1557.86	1553.69	1552.45	1557.40	1567.91	1579.34	1605.15
55	1552.14	1536.10	1519.16	1509.83	1505.39	1504.49	1508.34	1520.58	1532.33	1555.70
56	1505.95	1486.92	1470.11	1461.44	1456.11	1455.94	1459.40	1470.59	1485.75	1506.67
57	1459.44	1437.62	1420.98	1412.35	1407.25	1406.90	1410.05	1421.13	1439.27	1457.62
58	1413.40	1388.49	1371.49	1363.93	1356.67	1358.15	1360.49	1372.15	1393.00	1409.21
59	1367.38	1339.37	1322.34	1314.77	1307.66	1308.97	1310.95	1322.85	1346.50	1360.64
60	1318.39	1290.21	1273.16	1265.47	1256.81	1259.44	1261.23	1273.92	1297.43	1313.02
61	1267.88	1241.70	1223.69	1216.68	1207.09	1210.09	1211.81	1224.65	1246.43	1265.07
62	1217.77	1193.37	1174.07	1166.80	1156.17	1159.77	1162.18	1175.84	1196.17	1217.74
63	1167.81	1144.75	1124.89	1117.12	1105.60	1110.33	1112.39	1127.05	1146.48	1170.54
64	1118.77	1097.04	1075.50	1067.12	1054.71	1060.15	1062.64	1079.07	1096.72	1121.78
65	1069.72	1049.11	1025.25	1015.38	1003.86	1008.47	1012.35	1030.66	1047.51	1072.54
66	1021.22	1001.10	974.42	963.59	952.94	956.43	961.47	982.60	998.92	1023.85
67	973.20	949.48	923.82	911.67	901.98	904.42	910.31	931.19	950.85	975.70
68	925.35	898.43	873.31	859.95	849.65	852.77	860.22	879.88	902.62	928.32
69	875.77	848.12	823.19	808.25	799.22	801.02	809.75	829.59	852.94	881.37
70	826.96	798.33	773.81	757.43	748.56	749.47	760.17	779.58	803.98	835.36
71	779.13	749.52	725.21	706.42	697.07	698.89	711.22	730.73	756.03	788.19
72	732.27	700.96	677.16	655.45	646.73	647.81	663.16	682.21	709.04	739.69
73	686.57	653.56	630.11	605.15	596.16	597.38	615.73	634.64	663.00	692.52
74	641.64	605.31	580.46	556.04	546.35	548.02	566.02	585.91	617.86	645.92
75	593.59	558.74	530.86	507.60	496.88	499.20	516.41	539.46	570.12	600.19
76	547.60	513.21	482.77	459.34	447.93	451.07	468.38	493.80	524.37	555.41
77	502.52	469.10	436.36	412.04	400.11	403.76	421.64	448.97	479.27	512.73
78	458.77	425.15	391.68	365.54	353.73	356.73	376.33	404.61	435.44	471.65
79	416.60	380.89	347.35	321.22	308.14	311.88	332.00	361.04	393.38	431.69
80	377.41	339.19	305.36	278.31	263.86	268.58	289.24	319.49	354.68	392.56

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CANDELA TABULATION - (Cont.)

81	339.73	299.36	265.72	238.22	221.78	227.50	249.10	279.87	317.07	354.40
82	303.54	262.81	228.22	199.23	181.01	187.62	211.25	243.32	280.99	321.06
83	268.85	229.15	192.11	161.91	143.90	149.59	175.21	209.85	246.63	290.15
84	239.55	197.22	158.69	128.56	109.58	115.10	141.94	178.10	217.95	259.78
85	211.27	168.54	130.44	99.78	79.27	85.51	114.09	149.93	190.22	230.09
86	184.07	144.05	105.80	75.46	52.98	60.81	89.74	126.03	163.59	203.39
87	161.09	120.77	85.14	54.32	31.77	40.26	69.63	103.32	141.25	183.67
88	143.04	102.74	67.62	40.25	16.42	26.43	52.38	85.86	124.07	164.39
89	125.57	88.18	55.37	30.63	7.82	16.84	40.58	71.87	107.42	145.53
90	108.54	74.25	45.30	25.20	6.46	11.42	30.83	58.48	91.20	127.02
91	98.36	66.02	39.52	22.28	0.00	8.94	25.45	50.76	81.59	115.85
92	88.46	58.10	34.62	20.32	0.00	7.97	21.02	43.34	72.22	104.92
93	78.76	51.86	31.77	18.36	0.00	7.27	18.83	37.61	63.06	94.16
94	71.87	48.11	29.28	16.52	0.00	6.78	17.01	34.43	56.70	83.54
95	67.30	44.47	27.14	14.93	0.00	6.41	15.66	31.33	52.71	77.19
96	62.86	41.51	25.12	12.67	0.00	5.64	14.44	28.98	48.83	72.42
97	58.46	39.01	23.30	1.01	0.00	0.47	13.48	27.13	44.95	67.70
98	55.39	36.54	21.49	0.00	0.00	0.00	12.49	25.29	42.48	63.04
99	52.53	34.27	19.93	0.00	0.00	0.00	11.69	23.68	40.18	58.95
100	49.71	32.23	18.48	0.00	0.00	0.00	10.93	22.33	37.94	56.27
101	46.94	30.20	17.02	0.00	0.00	0.00	10.12	20.97	35.72	53.63
102	44.51	28.17	13.68	0.00	0.00	0.00	8.21	19.61	33.94	51.02
103	42.24	26.48	6.42	0.00	0.00	0.00	3.93	18.54	32.25	48.45
104	39.98	24.88	0.00	0.00	0.00	0.00	0.00	17.52	30.58	46.05
105	37.70	23.29	0.00	0.00	0.00	0.00	0.00	16.46	28.89	44.07
106	35.44	21.66	0.00	0.00	0.00	0.00	0.00	15.34	27.19	42.11
107	33.63	20.01	0.00	0.00	0.00	0.00	0.00	14.17	25.89	40.16
108	31.83	14.26	0.00	0.00	0.00	0.00	0.00	10.20	24.56	38.20
109	30.00	7.96	0.00	0.00	0.00	0.00	0.00	5.77	23.20	36.25
110	28.16	1.76	0.00	0.00	0.00	0.00	0.00	1.29	21.80	34.46
111	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.39	32.89
112	24.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.97	31.31
113	18.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.80	29.70
114	12.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.98	28.10
115	6.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.11	26.47
116	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	24.82
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.20
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.90
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.53
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.11
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>305</u>	<u>310</u>	<u>315</u>	<u>320</u>	<u>325</u>	<u>330</u>	<u>335</u>	<u>340</u>	<u>345</u>
0	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16	3178.16
1	3174.91	3174.60	3174.30	3173.83	3173.52	3173.21	3172.90	3172.75	3172.60	3172.44
2	3170.12	3169.66	3169.04	3168.58	3168.11	3167.80	3167.34	3167.03	3166.88	3166.57
3	3164.71	3163.79	3163.17	3162.70	3161.93	3161.47	3161.16	3161.00	3160.70	3160.70
4	3158.38	3157.30	3156.37	3156.06	3155.44	3155.13	3154.82	3154.51	3154.51	3154.36
5	3150.80	3149.88	3149.41	3148.79	3148.33	3148.18	3148.02	3148.18	3148.02	3148.18
6	3141.84	3141.38	3140.60	3141.07	3140.91	3141.07	3141.07	3141.38	3141.69	3141.69
7	3132.57	3131.95	3132.10	3132.26	3132.57	3133.19	3133.80	3134.42	3135.04	3135.50

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CANDELA TABULATION - (Cont.)

8	3121.75	3121.59	3122.37	3122.83	3123.76	3124.84	3126.08	3127.31	3128.24	3129.17
9	3110.16	3110.62	3111.39	3112.78	3114.64	3116.34	3118.35	3119.58	3121.28	3122.68
10	3097.79	3098.88	3099.96	3102.28	3104.59	3107.38	3110.00	3113.09	3114.18	3116.03
11	3084.35	3086.20	3088.83	3090.99	3094.39	3097.79	3101.04	3104.44	3103.05	3102.58
12	3069.82	3072.29	3075.69	3080.02	3083.42	3087.75	3087.75	3086.82	3086.36	3085.58
13	3054.36	3057.92	3062.25	3067.19	3072.45	3070.44	3069.20	3068.58	3068.89	3068.58
14	3037.98	3042.62	3048.34	3054.21	3052.20	3050.81	3050.35	3050.66	3051.43	3051.43
15	3020.67	3026.39	3033.19	3033.19	3031.80	3031.49	3031.65	3032.11	3033.19	3034.12
16	3002.28	3009.39	3012.95	3011.40	3010.78	3011.25	3012.02	3013.72	3015.26	3017.12
17	2983.12	2991.62	2989.92	2988.84	2989.61	2990.85	2993.01	2995.02	2997.34	2999.81
18	2963.64	2967.35	2965.81	2966.12	2967.51	2970.14	2972.76	2976.16	2979.10	2982.19
19	2942.93	2942.16	2940.93	2942.47	2944.94	2948.96	2952.98	2956.84	2960.86	2964.88
20	2918.36	2915.73	2916.04	2918.52	2922.53	2927.02	2932.73	2937.53	2942.78	2946.49
21	2890.54	2889.15	2890.54	2893.94	2899.35	2905.38	2912.33	2918.05	2924.39	2926.09
22	2861.95	2861.64	2863.96	2869.06	2875.55	2883.12	2891.16	2897.81	2898.89	2900.12
23	2832.12	2833.51	2837.38	2843.56	2851.75	2861.02	2868.13	2870.30	2872.00	2873.39
24	2802.45	2804.92	2810.02	2817.59	2827.49	2838.00	2839.85	2842.48	2844.64	2847.11
25	2771.54	2775.25	2782.67	2791.48	2802.45	2807.39	2810.49	2814.50	2817.59	2820.84
26	2740.78	2745.73	2754.38	2764.89	2773.70	2777.41	2781.58	2786.22	2790.39	2794.57
27	2708.33	2715.13	2725.33	2738.31	2742.17	2746.97	2752.37	2757.94	2763.35	2767.83
28	2675.72	2684.37	2696.43	2707.09	2710.18	2715.90	2723.01	2729.66	2736.30	2741.56
29	2642.49	2652.69	2666.45	2672.63	2678.04	2685.15	2693.18	2701.37	2708.95	2714.82
30	2609.42	2620.70	2633.99	2638.47	2645.74	2654.08	2663.51	2673.09	2681.59	2688.39
31	2575.11	2588.55	2597.98	2604.01	2613.43	2623.48	2634.30	2644.50	2654.24	2660.73
32	2540.49	2555.79	2561.82	2570.01	2580.36	2591.95	2604.63	2615.91	2623.48	2627.34
33	2505.87	2519.62	2525.19	2535.39	2547.29	2560.89	2574.33	2584.07	2589.17	2593.81
34	2470.01	2481.29	2489.02	2500.46	2514.37	2529.21	2542.65	2548.37	2554.55	2559.96
35	2434.00	2442.81	2451.93	2465.22	2480.68	2497.99	2505.56	2512.98	2520.24	2526.27
36	2397.84	2403.87	2415.30	2430.14	2447.76	2461.05	2468.93	2477.28	2485.47	2492.73
37	2357.50	2364.61	2378.06	2394.44	2414.68	2422.57	2432.15	2442.04	2450.85	2459.04
38	2315.93	2325.51	2340.65	2359.36	2375.12	2384.24	2395.21	2406.34	2416.54	2425.04
39	2274.35	2286.10	2303.25	2324.58	2334.94	2346.06	2358.12	2370.64	2381.92	2391.35
40	2232.93	2246.53	2265.70	2284.86	2294.91	2307.58	2321.49	2334.78	2347.45	2357.50
41	2191.05	2207.12	2228.45	2242.36	2255.03	2269.41	2284.71	2299.08	2312.84	2323.65
42	2149.32	2166.79	2190.90	2200.79	2215.01	2231.39	2247.31	2263.69	2276.67	2283.78
43	2107.28	2126.91	2147.16	2159.21	2175.29	2192.60	2210.83	2226.75	2236.64	2244.68
44	2065.25	2087.19	2103.42	2117.64	2135.41	2154.58	2174.05	2185.80	2196.77	2205.58
45	2023.06	2047.16	2059.68	2076.22	2095.54	2116.56	2132.48	2144.99	2156.90	2166.17
46	1980.86	2003.12	2015.79	2034.49	2055.51	2076.84	2090.75	2104.50	2117.02	2127.07
47	1938.52	1957.53	1972.52	1992.76	2015.79	2033.87	2048.86	2064.17	2077.30	2087.97
48	1896.48	1912.09	1928.93	1951.34	1974.37	1991.22	2007.45	2023.36	2037.58	2048.71
49	1853.98	1866.65	1885.66	1909.77	1930.33	1948.25	1966.03	1982.87	1997.86	2009.61
50	1806.99	1821.52	1842.70	1868.04	1886.28	1905.60	1924.76	1942.38	1957.99	1970.51
51	1759.86	1776.55	1799.73	1822.60	1842.54	1863.10	1883.19	1902.20	1918.27	1931.41
52	1712.87	1731.42	1756.61	1777.78	1798.49	1820.75	1841.92	1861.86	1877.78	1888.44
53	1665.58	1686.29	1712.10	1732.66	1755.22	1778.56	1800.97	1820.44	1833.89	1845.32
54	1618.44	1641.78	1665.58	1687.53	1711.95	1736.52	1760.48	1776.24	1790.30	1802.20
55	1571.77	1597.12	1619.37	1642.86	1668.36	1694.17	1715.04	1731.57	1746.72	1759.08
56	1525.13	1552.30	1573.32	1598.51	1625.55	1650.28	1670.06	1687.53	1703.14	1715.96
57	1479.02	1504.59	1527.34	1554.15	1582.74	1604.69	1624.78	1643.48	1659.55	1673.00
58	1432.97	1456.69	1481.70	1510.44	1537.18	1558.94	1579.96	1599.28	1615.97	1629.88
59	1386.99	1409.72	1436.62	1467.00	1490.28	1513.20	1535.20	1555.39	1572.70	1586.92
60	1338.99	1362.70	1391.50	1420.30	1444.03	1467.82	1490.51	1511.34	1529.44	1544.03
61	1289.93	1316.35	1346.82	1373.05	1397.87	1422.55	1445.94	1467.48	1486.13	1501.16
62	1241.98	1270.15	1301.43	1326.01	1351.49	1377.41	1401.77	1423.82	1442.66	1457.85
63	1194.07	1224.70	1253.23	1279.10	1305.84	1332.67	1357.47	1380.08	1399.14	1414.61

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CANDELA TABULATION - (Cont.)

64	1146.93	1179.46	1205.22	1232.43	1260.38	1288.02	1313.42	1336.16	1355.73	1371.33
65	1100.36	1131.55	1157.90	1186.14	1215.18	1243.40	1269.27	1292.27	1312.30	1328.06
66	1054.04	1083.13	1110.81	1140.21	1170.08	1198.93	1225.29	1248.64	1268.85	1284.76
67	1008.58	1035.03	1064.17	1094.51	1125.37	1154.61	1181.47	1205.15	1225.42	1241.50
68	960.25	987.50	1017.77	1049.41	1080.73	1110.66	1137.81	1161.73	1182.10	1198.42
69	911.63	940.56	972.13	1004.80	1036.92	1066.93	1094.35	1118.43	1138.89	1155.43
70	863.59	893.82	927.05	960.46	993.09	1023.54	1051.17	1075.42	1095.82	1112.37
71	816.27	848.04	882.32	916.54	949.60	980.14	1007.99	1032.30	1052.78	1071.11
72	769.70	802.84	838.46	873.24	906.17	936.97	964.92	990.43	1013.98	1032.92
73	723.83	758.96	795.10	829.99	863.19	893.88	924.27	952.23	975.84	994.74
74	678.15	715.63	752.10	787.20	820.41	853.96	886.22	914.21	937.76	956.60
75	635.60	672.92	709.44	744.71	780.68	816.15	848.31	876.22	899.73	918.53
76	593.25	630.67	667.30	704.53	743.31	778.48	810.54	838.34	861.77	880.50
77	551.68	589.21	626.45	667.42	705.81	741.08	772.84	800.54	823.89	842.51
78	511.02	548.17	590.16	630.81	668.83	703.82	735.32	762.87	786.07	804.52
79	470.91	511.61	554.15	594.44	632.00	666.71	697.95	725.30	748.28	766.60
80	432.85	476.65	518.39	558.33	595.48	629.76	660.70	687.76	710.53	728.69
81	398.89	442.10	483.28	522.53	559.24	592.95	623.59	651.04	676.79	697.41
82	365.68	408.07	448.41	487.02	523.12	558.39	593.13	623.33	648.83	669.43
83	333.24	374.49	413.91	452.69	493.88	531.56	565.88	595.73	620.87	641.49
84	301.59	341.38	384.15	427.19	467.76	504.87	538.73	568.20	592.96	613.58
85	270.71	315.82	359.73	401.94	441.80	478.33	511.67	540.74	565.08	585.67
86	248.78	292.67	335.59	376.90	416.00	451.93	484.71	513.34	537.25	557.79
87	227.23	269.84	311.71	352.06	390.38	425.63	457.84	486.00	509.44	529.94
88	206.06	247.34	288.07	327.41	364.88	399.45	431.02	458.70	481.68	502.09
89	185.21	225.12	264.64	302.93	339.51	373.35	404.30	431.46	453.96	474.27
90	164.67	203.11	241.36	278.61	314.26	347.33	377.64	404.26	426.26	446.45
91	152.19	189.51	226.83	263.28	298.23	330.74	360.55	386.76	408.49	428.20
92	139.90	176.06	212.43	248.07	282.28	314.21	343.50	369.30	390.75	409.96
93	127.78	162.77	198.15	232.95	266.43	297.74	326.52	351.88	373.04	391.72
94	115.80	149.61	183.98	217.95	250.65	281.34	309.58	334.48	355.34	373.50
95	103.91	136.55	169.90	203.00	234.93	264.99	292.67	317.12	337.66	355.29
96	98.14	125.09	155.88	188.13	219.29	248.69	275.81	299.78	320.00	337.09
97	92.70	118.97	145.78	173.30	203.71	232.43	258.96	282.45	302.33	318.90
98	87.32	112.93	139.09	165.23	190.53	216.21	242.13	265.15	284.67	300.71
99	81.99	106.88	132.45	158.00	182.74	206.23	227.90	247.85	266.98	282.55
100	76.70	100.91	125.83	150.78	175.03	197.99	219.23	238.16	254.27	267.25
101	72.93	95.00	119.28	143.61	167.32	189.82	210.57	229.15	244.96	257.70
102	69.96	89.61	112.73	136.48	159.63	181.64	202.00	220.17	235.64	248.14
103	67.04	86.31	106.16	129.34	151.98	173.48	193.40	211.19	226.34	238.59
104	64.11	83.03	102.05	122.23	144.32	165.32	184.81	202.21	217.05	229.04
105	61.22	79.80	98.47	116.95	136.69	157.16	176.23	193.25	207.76	219.49
106	58.33	76.57	94.93	113.07	130.51	149.01	167.66	184.29	198.49	209.96
107	56.03	73.37	91.40	109.22	126.34	142.36	159.09	175.32	189.20	200.40
108	53.77	70.17	87.88	105.38	122.18	137.95	152.50	166.36	179.93	190.87
109	51.54	67.40	84.38	101.55	118.05	133.55	147.82	160.42	171.13	181.32
110	49.29	64.86	80.90	97.72	113.94	129.15	143.16	155.55	166.08	174.50
111	47.06	62.34	77.84	93.94	109.83	124.77	138.53	150.68	161.01	169.29
112	44.82	59.81	75.04	90.13	105.73	120.38	133.87	145.80	155.96	164.07
113	42.65	57.29	72.22	86.90	101.63	116.02	129.22	140.92	150.91	158.86
114	40.83	54.78	69.41	83.81	97.61	111.65	124.57	136.06	145.85	153.65
115	39.00	52.24	66.61	80.72	94.26	107.26	119.94	131.20	140.79	148.44
116	37.16	49.83	63.78	77.64	90.91	103.42	115.31	126.34	135.73	143.23
117	35.31	47.78	60.96	74.54	87.55	99.83	111.02	121.48	130.68	138.03
118	33.43	45.70	58.11	71.45	84.20	96.23	107.20	116.94	125.64	132.82
119	31.54	43.59	55.62	68.35	80.85	92.64	103.39	112.91	121.03	127.61

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

120	29.65	41.49	53.29	65.22	77.51	89.05	99.56	108.90	116.84	123.15
121	26.91	39.35	50.94	62.27	74.13	85.44	95.74	104.89	112.65	118.83
122	21.06	37.20	48.60	59.70	70.75	81.83	91.92	100.86	108.48	114.51
123	15.17	35.04	46.24	57.10	67.54	78.22	88.08	96.83	104.30	110.18
124	9.21	32.88	43.85	54.52	64.73	74.59	84.25	92.80	100.11	105.85
125	3.20	27.98	41.46	51.91	61.91	71.27	80.40	88.77	95.91	101.53
126	0.00	21.59	39.05	49.29	59.10	68.26	76.55	84.75	91.72	97.20
127	0.00	15.14	36.62	46.67	56.28	65.23	73.35	80.72	87.52	92.88
128	0.00	8.66	31.76	44.05	53.45	62.21	70.15	77.20	83.32	88.55
129	0.00	2.12	24.84	41.41	50.62	59.18	66.95	73.84	79.64	84.22
130	0.00	0.00	17.90	38.76	47.78	56.14	63.75	70.47	76.12	80.58
131	0.00	0.00	10.91	31.95	44.92	53.10	60.53	67.10	72.62	76.97
132	0.00	0.00	3.89	24.55	42.05	50.07	57.31	63.72	69.10	73.35
133	0.00	0.00	0.00	17.10	36.18	47.01	54.08	60.34	65.58	69.73
134	0.00	0.00	0.00	9.62	28.31	43.94	50.85	56.94	62.06	66.11
135	0.00	0.00	0.00	2.12	20.42	37.28	47.62	53.55	58.53	62.49
136	0.00	0.00	0.00	0.00	12.50	28.99	43.86	50.16	55.01	58.87
137	0.00	0.00	0.00	0.00	4.55	20.68	35.21	46.76	51.47	55.24
138	0.00	0.00	0.00	0.00	0.00	12.35	26.52	38.91	47.95	51.61
139	0.00	0.00	0.00	0.00	0.00	3.99	17.82	29.91	40.04	48.00
140	0.00	0.00	0.00	0.00	0.00	0.00	9.11	20.89	30.76	38.61
141	0.00	0.00	0.00	0.00	0.00	0.00	0.38	11.85	21.47	29.11
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.81	12.18	19.61
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.87	10.10
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-H-40.IES

CANDELA TABULATION - (Cont.)

176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles

	350	355	360
0	3178.16	3178.16	3178.16
1	3172.29	3172.29	3172.13
2	3166.26	3166.26	3166.26
3	3160.39	3160.23	3160.23
4	3154.36	3154.05	3154.20
5	3148.33	3148.18	3148.18
6	3141.99	3142.15	3142.30
7	3135.97	3136.12	3136.28
8	3129.79	3130.09	3130.25
9	3123.14	3124.07	3124.22
10	3117.11	3117.88	3118.19
11	3102.12	3101.66	3101.66
12	3085.27	3084.97	3085.12
13	3068.74	3068.43	3068.58
14	3051.58	3051.74	3052.05
15	3034.89	3035.05	3035.51
16	3017.89	3018.35	3018.82
17	3001.05	3001.66	3002.28
18	2984.20	2985.13	2985.74
19	2967.35	2968.44	2969.21
20	2950.35	2952.05	2952.67
21	2927.17	2927.17	2927.17
22	2901.21	2901.52	2901.67
23	2875.24	2875.86	2876.32
24	2849.28	2850.20	2850.82
25	2823.62	2824.70	2825.48
26	2797.66	2799.20	2799.98
27	2771.54	2773.70	2774.48
28	2745.57	2748.20	2749.13
29	2719.76	2722.70	2723.63
30	2693.96	2697.05	2698.28
31	2663.35	2664.90	2665.52
32	2630.13	2632.14	2632.75
33	2597.05	2599.37	2600.14
34	2564.13	2566.61	2567.38
35	2530.75	2533.69	2534.61
36	2497.52	2500.92	2501.85
37	2464.60	2468.00	2469.24
38	2431.68	2435.08	2436.48
39	2398.61	2402.32	2403.71
40	2365.38	2369.40	2371.10
41	2328.91	2331.54	2332.62
42	2290.12	2293.05	2294.14
43	2251.32	2254.42	2255.65
44	2212.38	2216.09	2217.17
45	2173.59	2177.60	2178.69
46	2134.95	2139.12	2140.20

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

47	2096.00	2100.48	2101.72
48	2057.21	2062.00	2063.24
49	2018.42	2023.36	2024.76
50	1979.78	1984.88	1986.27
51	1938.67	1942.84	1943.93
52	1896.02	1900.50	1901.58
53	1853.36	1858.15	1859.39
54	1810.55	1815.80	1817.04
55	1767.89	1773.30	1774.69
56	1725.24	1730.80	1732.35
57	1682.74	1688.46	1690.16
58	1640.08	1646.11	1647.81
59	1597.58	1603.61	1605.46
60	1554.92	1561.26	1563.12
61	1511.90	1518.33	1520.15
62	1468.69	1475.28	1477.12
63	1425.55	1432.18	1434.10
64	1382.43	1389.09	1391.07
65	1339.33	1346.02	1348.06
66	1296.24	1302.96	1305.03
67	1253.14	1259.90	1262.01
68	1210.06	1216.89	1218.98
69	1167.02	1173.87	1175.95
70	1124.01	1130.84	1132.93
71	1084.47	1092.40	1094.85
72	1046.32	1054.31	1056.75
73	1008.19	1016.21	1018.67
74	970.06	978.13	980.59
75	932.01	940.08	942.49
76	893.96	902.01	904.41
77	855.93	863.95	866.31
78	817.91	825.88	828.23
79	779.87	787.82	790.15
80	741.81	749.75	752.05
81	712.18	721.16	723.82
82	684.04	692.94	695.58
83	655.91	664.72	667.35
84	627.81	636.51	639.11
85	599.73	608.29	610.87
86	571.65	580.09	582.64
87	543.60	551.88	554.40
88	515.55	523.66	526.16
89	487.51	495.46	497.93
90	459.48	467.25	469.69
91	441.05	448.73	451.16
92	422.63	430.22	432.62
93	404.22	411.70	414.07
94	385.82	393.21	395.54
95	367.41	374.69	376.99
96	349.02	356.18	358.45
97	330.61	337.66	339.92
98	312.22	319.16	321.37
99	293.83	300.65	302.82
100	276.72	282.47	284.29
101	266.98	272.61	274.40
102	257.23	262.75	264.51

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

103	247.50	252.91	254.62
104	237.76	243.04	244.73
105	228.02	233.20	234.84
106	218.29	223.34	224.95
107	208.55	213.49	215.06
108	198.81	203.63	205.16
109	189.08	193.79	195.27
110	180.58	184.24	185.40
111	175.24	178.86	179.99
112	169.93	173.48	174.59
113	164.61	168.09	169.20
114	159.29	162.73	163.79
115	153.98	157.35	158.40
116	148.67	151.97	153.00
117	143.35	146.60	147.60
118	138.04	141.22	142.20
119	132.73	135.85	136.80
120	127.76	130.56	131.40
121	123.33	126.07	126.90
122	118.91	121.58	122.39
123	114.48	117.10	117.89
124	110.06	112.61	113.39
125	105.64	108.12	108.88
126	101.21	103.64	104.38
127	96.79	99.15	99.88
128	92.37	94.66	95.37
129	87.94	90.17	90.87
130	83.83	85.76	86.36
131	80.13	82.03	82.61
132	76.43	78.29	78.85
133	72.74	74.55	75.10
134	69.05	70.81	71.34
135	65.36	67.08	67.59
136	61.67	63.34	63.83
137	57.97	59.60	60.08
138	54.27	55.86	56.32
139	50.58	52.12	52.57
140	44.31	47.74	48.81
141	34.65	37.99	39.05
142	25.00	28.25	29.29
143	15.33	18.50	19.53
144	5.67	8.75	9.76
145	0.00	0.00	0.00
146	0.00	0.00	0.00
147	0.00	0.00	0.00
148	0.00	0.00	0.00
149	0.00	0.00	0.00
150	0.00	0.00	0.00
151	0.00	0.00	0.00
152	0.00	0.00	0.00
153	0.00	0.00	0.00
154	0.00	0.00	0.00
155	0.00	0.00	0.00
156	0.00	0.00	0.00
157	0.00	0.00	0.00
158	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-H-40.IES

CANDELA TABULATION - (Cont.)

159	0.00	0.00	0.00
160	0.00	0.00	0.00
161	0.00	0.00	0.00
162	0.00	0.00	0.00
163	0.00	0.00	0.00
164	0.00	0.00	0.00
165	0.00	0.00	0.00
166	0.00	0.00	0.00
167	0.00	0.00	0.00
168	0.00	0.00	0.00
169	0.00	0.00	0.00
170	0.00	0.00	0.00
171	0.00	0.00	0.00
172	0.00	0.00	0.00
173	0.00	0.00	0.00
174	0.00	0.00	0.00
175	0.00	0.00	0.00
176	0.00	0.00	0.00
177	0.00	0.00	0.00
178	0.00	0.00	0.00
179	0.00	0.00	0.00
180	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-H-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1154.8	N.A.	11.50
0-30	2444.64	N.A.	24.40
0-40	3994.5	N.A.	39.90
0-60	7087.06	N.A.	70.70
0-80	9070.07	N.A.	90.50
0-90	9506.44	N.A.	94.90
10-90	9206.91	N.A.	91.90
20-40	2839.71	N.A.	28.30
20-50	4451.81	N.A.	44.40
40-70	4278.77	N.A.	42.70
60-80	1983.01	N.A.	19.80
70-80	796.80	N.A.	8.00
80-90	436.38	N.A.	4.40
90-110	362.32	N.A.	3.60
90-120	444.97	N.A.	4.40
90-130	492.35	N.A.	4.90
90-150	514.55	N.A.	5.10
90-180	514.55	N.A.	5.10
110-180	152.23	N.A.	1.50
0-180	10020.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	299.53
10-20	855.26
20-30	1289.84
30-40	1549.87
40-50	1612.1
50-60	1480.46
60-70	1186.21
70-80	796.79
80-90	436.38
90-100	228.90
100-110	133.42
110-120	82.65
120-130	47.38
130-140	20.45
140-150	1.75
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : VANL-W-48-H-40.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95
1	106	101	96	92	103	98	94	90	93	89	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	88	77	68	61	85	75	67	60	71	64	59	67	62	57	64	59	55	53
4	80	68	59	52	77	66	57	51	63	55	50	60	54	48	57	52	47	45
5	74	60	51	44	71	59	50	44	56	49	43	54	47	42	51	46	41	39
6	68	54	45	39	66	53	44	38	51	43	37	48	42	37	46	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	44	37	32	42	36	32	30
8	59	45	36	30	57	44	36	30	42	35	29	40	34	29	39	33	29	27
9	55	41	33	27	53	40	32	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	24	36	29	24	35	28	24	33	28	23	22

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-H-40.IES

UGR TABLE - CORRECTED

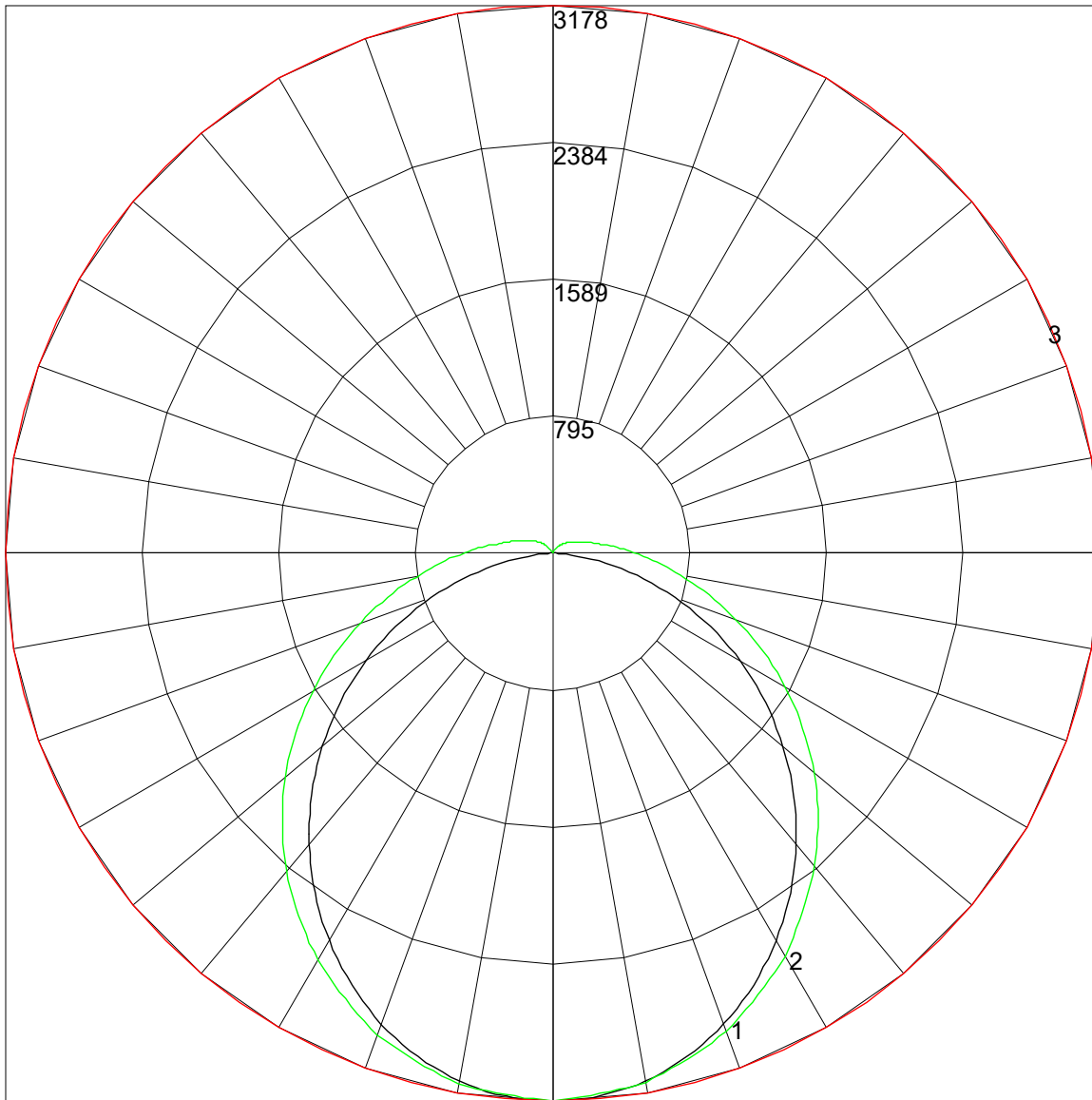
Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	19.2	20.8	19.7	21.2	21.7	18.6	20.1	19.0	20.6	21.0
	3H	21.3	22.7	21.8	23.2	23.6	20.2	21.7	20.7	22.1	22.6
	4H	22.2	23.6	22.7	24.0	24.5	20.8	22.1	21.3	22.6	23.1
	6H	23.1	24.3	23.6	24.8	25.3	21.2	22.4	21.6	22.9	23.4
	8H	23.5	24.7	24.0	25.2	25.7	21.2	22.4	21.7	22.9	23.4
	12H	23.9	25.0	24.4	25.5	26.1	21.2	22.4	21.8	22.9	23.4
4H	2H	19.8	21.1	20.3	21.6	22.1	19.3	20.7	19.8	21.1	21.6
	3H	22.1	23.3	22.6	23.7	24.3	21.2	22.3	21.7	22.8	23.3
	4H	23.2	24.2	23.7	24.7	25.3	21.9	22.9	22.4	23.4	24.0
	6H	24.2	25.2	24.8	25.7	26.2	22.4	23.3	22.9	23.8	24.4
	8H	24.7	25.6	25.2	26.1	26.7	22.5	23.3	23.0	23.9	24.5
	12H	25.2	26.0	25.8	26.6	27.1	22.5	23.3	23.1	23.9	24.5
8H	4H	23.5	24.3	24.0	24.9	25.5	22.4	23.2	22.9	23.8	24.3
	6H	24.7	25.4	25.3	26.0	26.6	23.0	23.7	23.6	24.3	24.9
	8H	25.3	26.0	25.9	26.6	27.2	23.2	23.9	23.8	24.5	25.1
	12H	26.0	26.6	26.6	27.2	27.8	23.3	23.9	23.9	24.5	25.2
12H	4H	23.5	24.3	24.1	24.8	25.4	22.5	23.3	23.0	23.8	24.4
	6H	24.8	25.4	25.4	26.0	26.6	23.2	23.9	23.8	24.4	25.1
	8H	25.5	26.1	26.0	26.6	27.3	23.5	24.1	24.1	24.6	25.3

Maximum UGR = 27.8

POLAR GRAPH



Maximum Candela = 3178.16 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)