



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : NUVHTVHOWT30WBD120-277V.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]

[TESTDATE] 2017-07-20

[ISSUEDATE] 2017-07-20 14:11:06

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER]

[MANUFAC] BEGHELLI

[LUMINAIRE] NUVHTVHOWT30WBD120-277V

[LAMP] 3000K Ra80

### CHARACTERISTICS

Lumens Per Lamp	38611 (1 lamp)
Total Lamp Lumens	38611
Luminaire Lumens	38611
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	291.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.24 m (Diameter)
Luminous Width (90-270)	0.24 m (Diameter)
Luminous Height	0.00 m

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	327866	324715	322183
55	172860	171767	172704
65	85921	84678	84238
75	47840	45366	43344
85	6673	7395	7367

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
0.5	18338.65	18338.64	18338.62	18338.58	18338.54	18338.50	18338.46	18338.46	18338.48	18338.50
1.0	18338.12	18338.13	18338.11	18338.08	18338.04	18337.99	18337.94	18337.93	18337.93	18337.93
1.5	18336.83	18336.90	18336.95	18336.99	18337.01	18337.01	18336.99	18336.91	18336.82	18336.72
2.0	18334.77	18334.89	18335.00	18335.10	18335.18	18335.23	18335.25	18335.13	18334.99	18334.84
2.5	18331.85	18331.92	18331.99	18332.05	18332.11	18332.16	18332.20	18332.20	18332.19	18332.17
3.0	18328.30	18328.31	18328.32	18328.33	18328.35	18328.39	18328.44	18328.56	18328.70	18328.85
3.5	18324.41	18324.41	18324.40	18324.40	18324.41	18324.43	18324.48	18324.61	18324.77	18324.94
4.0	18319.96	18319.97	18319.97	18319.98	18319.99	18320.02	18320.06	18320.18	18320.32	18320.46
4.5	18314.85	18314.90	18314.95	18314.99	18315.04	18315.09	18315.14	18315.24	18315.35	18315.48
5.0	18308.94	18309.07	18309.19	18309.30	18309.41	18309.53	18309.64	18309.74	18309.86	18309.98
5.5	18301.92	18302.14	18302.38	18302.64	18302.90	18303.18	18303.44	18303.64	18303.84	18304.04
6.0	18294.32	18294.62	18294.96	18295.34	18295.74	18296.16	18296.57	18296.89	18297.20	18297.50
6.5	18286.78	18287.05	18287.36	18287.72	18288.10	18288.51	18288.94	18289.35	18289.76	18290.18
7.0	18278.70	18278.95	18279.24	18279.57	18279.94	18280.34	18280.77	18281.26	18281.76	18282.27
7.5	18269.54	18269.90	18270.32	18270.79	18271.29	18271.82	18272.38	18272.91	18273.44	18273.97
8.0	18259.81	18260.29	18260.84	18261.46	18262.10	18262.77	18263.45	18264.02	18264.57	18265.11
8.5	18249.99	18250.49	18251.06	18251.69	18252.37	18253.07	18253.78	18254.40	18255.01	18255.60
9.0	18239.61	18240.11	18240.68	18241.31	18241.98	18242.69	18243.40	18244.04	18244.68	18245.31
9.5	18228.24	18228.80	18229.44	18230.13	18230.85	18231.59	18232.33	18232.89	18233.44	18233.97
10.0	18216.24	18216.84	18217.50	18218.22	18218.96	18219.70	18220.43	18220.91	18221.36	18221.79
10.5	18204.08	18204.58	18205.12	18205.71	18206.31	18206.93	18207.54	18207.99	18208.43	18208.88
11.0	18190.94	18191.35	18191.79	18192.27	18192.77	18193.29	18193.82	18194.28	18194.75	18195.25
11.5	18175.90	18176.39	18176.94	18177.53	18178.15	18178.79	18179.44	18179.97	18180.50	18181.06
12.0	18159.75	18160.36	18161.04	18161.79	18162.56	18163.35	18164.15	18164.77	18165.38	18166.01
12.5	18143.13	18143.75	18144.45	18145.19	18145.98	18146.80	18147.63	18148.32	18149.02	18149.74
13.0	18125.69	18126.32	18127.00	18127.75	18128.54	18129.36	18130.21	18131.00	18131.81	18132.65
13.5	18107.43	18108.11	18108.85	18109.65	18110.50	18111.39	18112.33	18113.28	18114.26	18115.27
14.0	18087.96	18088.72	18089.55	18090.45	18091.40	18092.42	18093.48	18094.60	18095.75	18096.93
14.5	18066.67	18067.55	18068.53	18069.61	18070.75	18071.95	18073.21	18074.45	18075.71	18077.00
15.0	18044.20	18045.21	18046.35	18047.60	18048.94	18050.34	18051.78	18053.12	18054.48	18055.84
15.5	18021.15	18022.27	18023.52	18024.90	18026.36	18027.88	18029.45	18030.86	18032.29	18033.71
16.0	17996.98	17998.18	17999.53	18001.00	18002.56	18004.18	18005.83	18007.30	18008.78	18010.25
16.5	17971.27	17972.54	17973.96	17975.52	17977.16	17978.87	17980.60	17982.10	17983.59	17985.08
17.0	17944.18	17945.50	17946.98	17948.61	17950.33	17952.11	17953.92	17955.46	17956.99	17958.54
17.5	17915.77	17917.13	17918.67	17920.35	17922.14	17924.01	17925.92	17927.59	17929.28	17930.97
18.0	17885.86	17887.25	17888.83	17890.57	17892.43	17894.38	17896.38	17898.21	17900.06	17901.94
18.5	17854.19	17855.61	17857.23	17859.02	17860.94	17862.97	17865.06	17867.01	17868.99	17871.00
19.0	17820.98	17822.45	17824.11	17825.95	17827.93	17830.02	17832.19	17834.23	17836.32	17838.45
19.5	17786.58	17788.08	17789.78	17791.66	17793.69	17795.83	17798.05	17800.15	17802.30	17804.50
20.0	17750.46	17752.01	17753.77	17755.71	17757.79	17759.98	17762.25	17764.42	17766.63	17768.88
20.5	17712.19	17713.83	17715.68	17717.70	17719.86	17722.14	17724.49	17726.73	17729.01	17731.32
21.0	17671.87	17673.63	17675.60	17677.76	17680.05	17682.45	17684.91	17687.22	17689.55	17691.92
21.5	17629.45	17631.41	17633.60	17635.98	17638.49	17641.11	17643.77	17646.15	17648.53	17650.91
22.0	17584.90	17587.04	17589.44	17592.04	17594.77	17597.59	17600.43	17602.85	17605.24	17607.60
22.5	17538.27	17540.51	17543.02	17545.73	17548.57	17551.49	17554.40	17556.74	17559.03	17561.27
23.0	17489.25	17491.54	17494.09	17496.85	17499.73	17502.67	17505.59	17507.84	17510.03	17512.17
23.5	17437.63	17439.89	17442.39	17445.09	17447.89	17450.75	17453.61	17455.89	17458.13	17460.33
24.0	17383.22	17385.46	17387.92	17390.55	17393.28	17396.07	17398.87	17401.20	17403.48	17405.75
24.5	17325.80	17328.10	17330.63	17333.33	17336.13	17338.98	17341.82	17344.12	17346.37	17348.59
25.0	17265.28	17267.68	17270.32	17273.14	17276.06	17279.01	17281.92	17284.17	17286.34	17288.45
25.5	17201.47	17204.02	17206.82	17209.80	17212.87	17215.95	17218.95	17221.08	17223.10	17225.05
26.0	17134.49	17137.11	17140.00	17143.07	17146.22	17149.37	17152.42	17154.49	17156.43	17158.28
26.5	17064.47	17066.94	17069.66	17072.55	17075.54	17078.56	17081.52	17083.76	17085.90	17087.97

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27.0	16991.05	16993.32	16995.83	16998.52	17001.31	17004.17	17007.01	17009.41	17011.74	17014.02
27.5	16913.99	16916.21	16918.68	16921.31	16924.05	16926.84	16929.62	16931.93	16934.16	16936.34
28.0	16832.93	16835.17	16837.65	16840.30	16843.05	16845.84	16848.58	16850.71	16852.75	16854.71
28.5	16747.33	16749.66	16752.24	16755.00	16757.84	16760.69	16763.46	16765.43	16767.27	16768.99
29.0	16657.47	16659.88	16662.56	16665.40	16668.31	16671.21	16673.98	16675.79	16677.43	16678.93
29.5	16563.66	16566.04	16568.65	16571.41	16574.23	16577.02	16579.68	16581.37	16582.88	16584.25
30.0	16465.33	16467.64	16470.17	16472.84	16475.54	16478.19	16480.71	16482.28	16483.66	16484.89
30.5	16362.08	16364.40	16366.94	16369.60	16372.29	16374.91	16377.37	16378.74	16379.89	16380.88
31.0	16253.65	16255.97	16258.52	16261.17	16263.85	16266.43	16268.81	16269.98	16270.90	16271.63
31.5	16139.53	16141.81	16144.30	16146.88	16149.46	16151.93	16154.19	16155.18	16155.91	16156.44
32.0	16020.06	16022.25	16024.62	16027.07	16029.49	16031.80	16033.88	16034.72	16035.30	16035.64
32.5	15895.62	15897.64	15899.80	15902.02	15904.20	15906.26	15908.09	15908.84	15909.33	15909.59
33.0	15765.54	15767.36	15769.29	15771.24	15773.13	15774.90	15776.45	15777.09	15777.47	15777.63
33.5	15629.35	15630.97	15632.65	15634.32	15635.91	15637.36	15638.59	15639.01	15639.18	15639.12
34.0	15486.81	15488.28	15489.76	15491.20	15492.54	15493.71	15494.65	15494.83	15494.74	15494.42
34.5	15337.60	15339.04	15340.47	15341.84	15343.09	15344.14	15344.94	15344.88	15344.53	15343.91
35.0	15181.50	15182.93	15184.37	15185.73	15186.94	15187.94	15188.64	15188.36	15187.73	15186.81
35.5	15017.89	15019.30	15020.74	15022.10	15023.31	15024.28	15024.92	15024.43	15023.56	15022.34
36.0	14847.55	14848.92	14850.31	14851.63	14852.78	14853.66	14854.17	14853.44	14852.29	14850.76
36.5	14671.46	14672.74	14673.97	14675.06	14675.94	14676.50	14676.66	14675.59	14674.08	14672.15
37.0	14488.40	14489.54	14490.56	14491.39	14491.94	14492.14	14491.90	14490.47	14488.58	14486.25
37.5	14297.53	14298.47	14299.29	14299.89	14300.19	14300.13	14299.62	14297.84	14295.58	14292.88
38.0	14098.68	14099.43	14100.04	14100.43	14100.52	14100.24	14099.49	14097.41	14094.84	14091.83
38.5	13891.01	13891.63	13892.09	13892.32	13892.24	13891.77	13890.83	13888.62	13885.90	13882.73
39.0	13675.68	13676.17	13676.49	13676.55	13676.28	13675.61	13674.45	13672.07	13669.18	13665.81
39.5	13454.08	13454.41	13454.53	13454.37	13453.84	13452.88	13451.41	13448.57	13445.20	13441.35
40.0	13224.72	13224.84	13224.72	13224.28	13223.44	13222.13	13220.29	13217.01	13213.19	13208.88
40.5	12986.14	12986.01	12985.54	12984.70	12983.44	12981.70	12979.43	12976.04	12972.11	12967.70
41.0	12739.56	12739.15	12738.34	12737.11	12735.43	12733.27	12730.61	12727.15	12723.19	12718.75
41.5	12485.92	12485.27	12484.19	12482.67	12480.69	12478.23	12475.27	12471.66	12467.55	12462.95
42.0	12224.51	12223.68	12222.42	12220.70	12218.51	12215.84	12212.66	12208.81	12204.45	12199.59
42.5	11954.92	11954.07	11952.78	11951.02	11948.76	11945.97	11942.63	11938.33	11933.48	11928.13
43.0	11677.15	11676.33	11675.06	11673.31	11671.03	11668.19	11664.75	11660.05	11654.76	11648.95
43.5	11390.48	11389.67	11388.42	11386.68	11384.40	11381.55	11378.07	11373.36	11368.04	11362.16
44.0	11096.69	11095.85	11094.55	11092.74	11090.39	11087.47	11083.92	11079.24	11073.94	11068.08
44.5	10797.67	10796.63	10795.08	10793.00	10790.37	10787.15	10783.31	10778.36	10772.82	10766.74
45.0	10492.48	10491.19	10489.35	10486.94	10483.95	10480.37	10476.20	10471.00	10465.26	10459.04
45.5	10180.13	10178.66	10176.54	10173.82	10170.49	10166.59	10162.14	10156.99	10151.37	10145.31
46.0	9862.66	9861.03	9858.70	9855.72	9852.14	9848.02	9843.39	9838.42	9833.03	9827.25
46.5	9541.77	9539.97	9537.50	9534.42	9530.77	9526.62	9522.04	9517.30	9512.19	9506.74
47.0	9217.44	9215.62	9213.16	9210.14	9206.60	9202.59	9198.18	9193.63	9188.75	9183.54
47.5	8889.29	8887.89	8885.89	8883.30	8880.18	8876.55	8872.45	8867.89	8862.93	8857.61
48.0	8559.96	8558.98	8557.38	8555.19	8552.43	8549.12	8545.28	8540.69	8535.66	8530.24
48.5	8231.82	8230.77	8229.04	8226.68	8223.74	8220.26	8216.30	8211.86	8207.03	8201.87
49.0	7905.21	7903.99	7902.04	7899.44	7896.27	7892.60	7888.52	7884.32	7879.83	7875.06
49.5	7580.67	7579.48	7577.59	7575.08	7572.04	7568.54	7564.68	7560.87	7556.81	7552.51
50.0	7259.93	7258.81	7257.04	7254.71	7251.88	7248.66	7245.11	7241.72	7238.10	7234.28
50.5	6944.54	6943.45	6941.76	6939.56	6936.91	6933.90	6930.61	6927.54	6924.28	6920.84
51.0	6635.58	6634.52	6632.92	6630.84	6628.36	6625.56	6622.51	6619.70	6616.72	6613.60
51.5	6334.77	6333.80	6332.28	6330.31	6327.96	6325.30	6322.41	6319.74	6316.92	6313.97
52.0	6041.66	6040.77	6039.39	6037.58	6035.41	6032.96	6030.29	6027.78	6025.14	6022.37
52.5	5755.42	5754.66	5753.54	5752.10	5750.39	5748.45	5746.31	5744.20	5741.94	5739.53
53.0	5478.81	5478.09	5477.14	5476.00	5474.67	5473.16	5471.50	5469.78	5467.91	5465.90
53.5	5214.86	5213.87	5212.72	5211.41	5209.98	5208.43	5206.80	5205.24	5203.60	5201.87
54.0	4961.93	4960.67	4959.25	4957.71	4956.08	4954.39	4952.66	4951.21	4949.74	4948.25
54.5	4718.85	4717.58	4716.16	4714.61	4712.98	4711.31	4709.65	4708.44	4707.25	4706.04

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55.0	4487.27	4486.07	4484.71	4483.23	4481.66	4480.05	4478.45	4477.28	4476.13	4474.97
55.5	4269.43	4268.41	4267.29	4266.08	4264.76	4263.32	4261.78	4259.82	4257.79	4255.74
56.0	4062.34	4061.24	4060.06	4058.77	4057.35	4055.80	4054.08	4051.56	4048.95	4046.33
56.5	3862.98	3860.93	3858.57	3856.01	3853.34	3850.68	3848.12	3846.55	3845.15	3843.88
57.0	3673.69	3670.60	3666.96	3663.01	3658.98	3655.12	3651.65	3651.25	3651.31	3651.63
57.5	3497.65	3494.07	3489.81	3485.18	3480.46	3475.97	3472.01	3472.06	3472.70	3473.68
58.0	3329.26	3325.65	3321.35	3316.65	3311.87	3307.31	3303.28	3303.23	3303.78	3304.68
58.5	3161.87	3159.03	3155.72	3152.13	3148.45	3144.88	3141.58	3140.46	3139.70	3139.20
59.0	3001.85	2999.87	2997.69	2995.36	2992.94	2990.47	2988.03	2985.81	2983.69	2981.71
59.5	2854.73	2853.02	2851.16	2849.18	2847.12	2844.99	2842.82	2840.49	2838.21	2836.02
60.0	2716.32	2714.67	2712.89	2710.99	2709.00	2706.96	2704.88	2702.75	2700.65	2698.62
60.5	2584.18	2582.63	2580.95	2579.16	2577.27	2575.33	2573.35	2571.26	2569.20	2567.20
61.0	2458.47	2456.96	2455.31	2453.55	2451.71	2449.80	2447.86	2445.83	2443.84	2441.92
61.5	2338.67	2337.10	2335.37	2333.53	2331.60	2329.63	2327.65	2325.76	2323.91	2322.15
62.0	2224.33	2222.71	2220.92	2219.02	2217.04	2215.03	2213.03	2211.26	2209.55	2207.93
62.5	2114.88	2113.34	2111.65	2109.84	2107.97	2106.06	2104.15	2102.41	2100.72	2099.10
63.0	2010.15	2008.76	2007.27	2005.69	2004.05	2002.36	2000.66	1998.96	1997.27	1995.63
63.5	1909.20	1908.08	1906.98	1905.86	1904.72	1903.54	1902.30	1900.74	1899.15	1897.53
64.0	1813.72	1812.83	1812.03	1811.28	1810.55	1809.78	1808.94	1807.56	1806.10	1804.58
64.5	1725.77	1724.77	1723.84	1722.95	1722.09	1721.22	1720.32	1719.20	1718.03	1716.80
65.0	1643.40	1642.24	1641.09	1639.95	1638.82	1637.70	1636.58	1635.55	1634.51	1633.45
65.5	1565.53	1564.35	1563.13	1561.89	1560.60	1559.29	1557.94	1556.49	1555.02	1553.52
66.0	1491.70	1490.58	1489.39	1488.14	1486.81	1485.38	1483.86	1481.89	1479.86	1477.81
66.5	1421.22	1420.33	1419.41	1418.43	1417.34	1416.11	1414.71	1412.41	1409.97	1407.49
67.0	1353.75	1353.00	1352.24	1351.40	1350.45	1349.33	1348.01	1345.60	1343.03	1340.39
67.5	1288.88	1287.79	1286.56	1285.20	1283.71	1282.10	1280.38	1278.40	1276.36	1274.29
68.0	1226.16	1224.72	1223.02	1221.13	1219.10	1217.01	1214.92	1213.41	1211.93	1210.48
68.5	1164.65	1163.33	1161.76	1160.01	1158.11	1156.15	1154.16	1152.65	1151.16	1149.68
69.0	1105.42	1104.30	1102.97	1101.48	1099.85	1098.12	1096.33	1094.71	1093.07	1091.40
69.5	1049.38	1048.23	1046.89	1045.38	1043.74	1042.01	1040.22	1038.60	1036.96	1035.29
70.0	996.10	994.90	993.50	991.93	990.24	988.46	986.63	985.01	983.37	981.71
70.5	945.78	944.60	943.22	941.66	939.96	938.16	936.29	934.62	932.91	931.18
71.0	897.41	896.30	894.98	893.46	891.80	890.03	888.17	886.46	884.70	882.90
71.5	849.82	848.87	847.70	846.36	844.86	843.24	841.52	839.86	838.12	836.33
72.0	803.66	802.84	801.82	800.63	799.28	797.81	796.22	794.62	792.94	791.19
72.5	759.22	758.39	757.35	756.13	754.76	753.26	751.65	750.11	748.49	746.81
73.0	716.36	715.50	714.42	713.15	711.72	710.17	708.53	707.01	705.44	703.81
73.5	675.01	674.20	673.17	671.96	670.60	669.11	667.51	665.94	664.30	662.60
74.0	635.21	634.46	633.51	632.39	631.10	629.68	628.14	626.54	624.85	623.08
74.5	597.28	596.57	595.65	594.55	593.28	591.88	590.36	588.85	587.26	585.58
75.0	560.38	559.73	558.85	557.79	556.56	555.20	553.73	552.33	550.84	549.28
75.5	523.63	523.08	522.34	521.42	520.34	519.12	517.78	516.37	514.86	513.25
76.0	487.50	487.06	486.46	485.70	484.79	483.74	482.54	481.16	479.66	478.05
76.5	452.21	451.85	451.34	450.69	449.89	448.96	447.90	446.74	445.46	444.08
77.0	417.65	417.36	416.91	416.32	415.61	414.77	413.84	412.92	411.91	410.79
77.5	383.69	383.39	382.96	382.42	381.77	381.02	380.18	379.40	378.53	377.54
78.0	350.74	350.40	349.96	349.42	348.78	348.07	347.28	346.62	345.89	345.04
78.5	319.44	319.05	318.51	317.85	317.09	316.27	315.42	314.96	314.47	313.89
79.0	288.96	288.56	287.97	287.23	286.40	285.51	284.62	284.36	284.09	283.76
79.5	258.18	257.91	257.49	256.95	256.32	255.65	254.96	254.78	254.58	254.31
80.0	228.61	228.48	228.24	227.91	227.52	227.08	226.62	226.52	226.38	226.15
80.5	201.85	201.70	201.43	201.06	200.62	200.16	199.71	199.83	199.93	199.97
81.0	176.48	176.37	176.11	175.76	175.35	174.92	174.52	174.78	175.05	175.25
81.5	151.00	151.23	151.42	151.57	151.67	151.73	151.73	151.81	151.80	151.69
82.0	127.23	127.75	128.33	128.91	129.46	129.93	130.28	130.14	129.84	129.41
82.5	107.15	107.50	107.87	108.24	108.57	108.83	109.01	108.91	108.70	108.36

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**CANDELA TABULATION - (Cont.)**

<b>83.0</b>	88.89	88.99	89.03	89.04	89.00	88.93	88.83	88.84	88.80	88.69
<b>83.5</b>	70.95	70.99	70.94	70.82	70.66	70.46	70.26	70.34	70.41	70.45
<b>84.0</b>	54.31	54.33	54.23	54.04	53.80	53.55	53.31	53.44	53.60	53.76
<b>84.5</b>	38.94	38.84	38.64	38.37	38.07	37.78	37.53	37.66	37.86	38.10
<b>85.0</b>	26.32	26.14	25.89	25.60	25.31	25.04	24.83	24.96	25.17	25.45
<b>85.5</b>	18.40	18.33	18.23	18.12	18.01	17.92	17.87	18.01	18.22	18.47
<b>86.0</b>	13.63	13.70	13.75	13.81	13.87	13.94	14.03	14.17	14.34	14.52
<b>86.5</b>	11.68	11.70	11.71	11.74	11.76	11.79	11.82	11.88	11.94	12.00
<b>87.0</b>	10.91	10.86	10.80	10.75	10.70	10.65	10.60	10.57	10.53	10.50
<b>87.5</b>	9.29	9.24	9.19	9.15	9.11	9.07	9.04	9.01	8.98	8.95
<b>88.0</b>	7.76	7.73	7.70	7.69	7.69	7.69	7.70	7.70	7.70	7.70
<b>88.5</b>	6.55	6.55	6.55	6.57	6.59	6.62	6.66	6.68	6.71	6.74
<b>89.0</b>	5.74	5.77	5.80	5.84	5.88	5.92	5.96	6.01	6.05	6.10
<b>89.5</b>	5.54	5.57	5.59	5.62	5.65	5.68	5.71	5.74	5.78	5.82
<b>90.0</b>	5.89	5.89	5.88	5.88	5.88	5.87	5.87	5.87	5.87	5.87

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>25.0</u></b>	<b><u>27.5</u></b>	<b><u>30.0</u></b>	<b><u>32.5</u></b>	<b><u>35.0</u></b>	<b><u>37.5</u></b>	<b><u>40.0</u></b>	<b><u>42.5</u></b>	<b><u>45.0</u></b>	<b><u>47.5</u></b>
<b>0.0</b>	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
<b>0.5</b>	18338.52	18338.54	18338.57	18338.59	18338.61	18338.63	18338.63	18338.64	18338.63	18338.59
<b>1.0</b>	18337.93	18337.94	18337.95	18337.99	18338.03	18338.07	18338.09	18338.11	18338.12	18338.06
<b>1.5</b>	18336.63	18336.54	18336.48	18336.53	18336.59	18336.66	18336.73	18336.80	18336.84	18336.77
<b>2.0</b>	18334.68	18334.54	18334.42	18334.48	18334.55	18334.66	18334.75	18334.85	18334.93	18334.86
<b>2.5</b>	18332.16	18332.15	18332.14	18332.21	18332.27	18332.35	18332.41	18332.47	18332.52	18332.51
<b>3.0</b>	18329.00	18329.14	18329.27	18329.34	18329.39	18329.44	18329.47	18329.49	18329.51	18329.54
<b>3.5</b>	18325.11	18325.27	18325.43	18325.50	18325.57	18325.62	18325.65	18325.68	18325.69	18325.71
<b>4.0</b>	18320.61	18320.77	18320.91	18321.03	18321.14	18321.23	18321.31	18321.37	18321.42	18321.40
<b>4.5</b>	18315.61	18315.76	18315.92	18316.16	18316.40	18316.63	18316.84	18317.01	18317.14	18317.05
<b>5.0</b>	18310.12	18310.28	18310.46	18310.81	18311.16	18311.51	18311.83	18312.11	18312.31	18312.20
<b>5.5</b>	18304.23	18304.44	18304.66	18304.98	18305.30	18305.61	18305.90	18306.16	18306.38	18306.41
<b>6.0</b>	18297.79	18298.07	18298.34	18298.63	18298.91	18299.18	18299.42	18299.65	18299.85	18300.02
<b>6.5</b>	18290.59	18290.99	18291.38	18291.77	18292.13	18292.46	18292.76	18293.03	18293.24	18293.36
<b>7.0</b>	18282.79	18283.30	18283.79	18284.28	18284.73	18285.14	18285.51	18285.81	18286.05	18286.07
<b>7.5</b>	18274.50	18275.01	18275.50	18275.99	18276.45	18276.87	18277.23	18277.54	18277.78	18277.80
<b>8.0</b>	18265.62	18266.12	18266.59	18267.08	18267.53	18267.95	18268.31	18268.62	18268.87	18268.92
<b>8.5</b>	18256.18	18256.73	18257.27	18257.79	18258.27	18258.72	18259.12	18259.46	18259.73	18259.83
<b>9.0</b>	18245.92	18246.52	18247.10	18247.68	18248.23	18248.74	18249.20	18249.60	18249.94	18250.10
<b>9.5</b>	18234.50	18235.03	18235.56	18236.21	18236.87	18237.50	18238.09	18238.64	18239.12	18239.40
<b>10.0</b>	18222.23	18222.69	18223.18	18223.91	18224.67	18225.43	18226.16	18226.86	18227.49	18227.89
<b>10.5</b>	18209.35	18209.85	18210.39	18211.18	18212.00	18212.83	18213.64	18214.42	18215.14	18215.64
<b>11.0</b>	18195.79	18196.35	18196.97	18197.80	18198.68	18199.56	18200.43	18201.27	18202.05	18202.64
<b>11.5</b>	18181.63	18182.24	18182.90	18183.77	18184.68	18185.60	18186.50	18187.39	18188.23	18188.93
<b>12.0</b>	18166.65	18167.32	18168.03	18168.96	18169.92	18170.90	18171.86	18172.80	18173.70	18174.47
<b>12.5</b>	18150.48	18151.27	18152.10	18153.19	18154.31	18155.44	18156.54	18157.60	18158.58	18159.31
<b>13.0</b>	18133.53	18134.45	18135.42	18136.66	18137.92	18139.17	18140.38	18141.52	18142.56	18143.22
<b>13.5</b>	18116.31	18117.38	18118.46	18119.69	18120.91	18122.11	18123.25	18124.31	18125.27	18125.90
<b>14.0</b>	18098.12	18099.31	18100.50	18101.71	18102.89	18104.02	18105.09	18106.08	18106.96	18107.58
<b>14.5</b>	18078.29	18079.57	18080.85	18082.16	18083.45	18084.68	18085.83	18086.89	18087.85	18088.50
<b>15.0</b>	18057.20	18058.56	18059.91	18061.36	18062.77	18064.13	18065.42	18066.61	18067.68	18068.38
<b>15.5</b>	18035.13	18036.55	18037.97	18039.50	18041.00	18042.45	18043.82	18045.10	18046.26	18047.05
<b>16.0</b>	18011.73	18013.21	18014.68	18016.30	18017.90	18019.45	18020.93	18022.32	18023.58	18024.47
<b>16.5</b>	17986.59	17988.11	17989.64	17991.41	17993.18	17994.91	17996.56	17998.12	17999.54	18000.50
<b>17.0</b>	17960.10	17961.68	17963.30	17965.23	17967.16	17969.06	17970.89	17972.61	17974.18	17975.20
<b>17.5</b>	17932.69	17934.42	17936.19	17938.22	17940.25	17942.23	17944.13	17945.92	17947.55	17948.63
<b>18.0</b>	17903.83	17905.74	17907.67	17909.82	17911.95	17914.03	17916.01	17917.87	17919.56	17920.70

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**CANDELA TABULATION - (Cont.)**

18.5	17873.05	17875.12	17877.23	17879.60	17881.96	17884.26	17886.45	17888.49	17890.34	17891.53
19.0	17840.62	17842.83	17845.08	17847.65	17850.21	17852.72	17855.10	17857.32	17859.33	17860.58
19.5	17806.75	17809.03	17811.34	17813.96	17816.57	17819.11	17821.54	17823.81	17825.87	17827.23
20.0	17771.17	17773.49	17775.84	17778.46	17781.05	17783.59	17786.01	17788.28	17790.35	17791.81
20.5	17733.67	17736.04	17738.44	17741.08	17743.70	17746.25	17748.69	17750.98	17753.07	17754.57
21.0	17694.30	17696.70	17699.11	17701.76	17704.37	17706.91	17709.34	17711.61	17713.69	17715.21
21.5	17653.29	17655.65	17658.01	17660.55	17663.05	17665.48	17667.79	17669.95	17671.94	17673.45
22.0	17609.93	17612.23	17614.51	17616.99	17619.41	17621.76	17623.99	17626.08	17628.00	17629.47
22.5	17563.48	17565.70	17567.91	17570.52	17573.10	17575.61	17577.99	17580.22	17582.23	17583.57
23.0	17514.30	17516.45	17518.63	17521.38	17524.14	17526.83	17529.39	17531.77	17533.88	17535.10
23.5	17462.52	17464.73	17466.96	17469.74	17472.51	17475.21	17477.77	17480.13	17482.22	17483.41
24.0	17408.01	17410.27	17412.56	17415.32	17418.06	17420.72	17423.23	17425.54	17427.58	17428.76
24.5	17350.79	17352.99	17355.22	17357.96	17360.68	17363.32	17365.82	17368.12	17370.14	17371.28
25.0	17290.54	17292.64	17294.77	17297.49	17300.21	17302.85	17305.35	17307.65	17309.67	17310.75
25.5	17226.97	17228.89	17230.88	17233.64	17236.43	17239.15	17241.73	17244.09	17246.14	17247.11
26.0	17160.09	17161.92	17163.81	17166.59	17169.38	17172.12	17174.71	17177.05	17179.08	17179.89
26.5	17090.00	17092.01	17094.03	17096.67	17099.27	17101.78	17104.10	17106.17	17107.92	17108.57
27.0	17016.25	17018.43	17020.57	17023.03	17025.40	17027.62	17029.64	17031.39	17032.84	17033.33
27.5	16938.45	16940.51	16942.52	16944.83	16947.04	16949.11	16950.97	16952.59	16953.90	16954.35
28.0	16856.60	16858.43	16860.22	16862.38	16864.46	16866.41	16868.16	16869.67	16870.88	16871.24
28.5	16770.63	16772.20	16773.74	16775.78	16777.74	16779.57	16781.20	16782.57	16783.62	16783.68
29.0	16680.32	16681.65	16682.95	16684.87	16686.72	16688.44	16689.94	16691.16	16692.02	16691.72
29.5	16585.51	16586.70	16587.86	16589.67	16591.40	16592.99	16594.34	16595.40	16596.08	16595.51
30.0	16486.01	16487.06	16488.07	16489.76	16491.37	16492.82	16494.02	16494.90	16495.37	16494.49
30.5	16381.75	16382.54	16383.29	16384.88	16386.38	16387.71	16388.76	16389.44	16389.66	16388.23
31.0	16272.22	16272.73	16273.21	16274.64	16275.98	16277.14	16278.00	16278.45	16278.40	16276.43
31.5	16156.80	16157.06	16157.28	16158.44	16159.50	16160.36	16160.92	16161.07	16160.71	16158.45
32.0	16035.82	16035.88	16035.87	16036.70	16037.42	16037.93	16038.14	16037.95	16037.26	16034.76
32.5	15909.66	15909.60	15909.44	15909.96	15910.35	15910.50	15910.33	15909.76	15908.70	15905.93
33.0	15777.59	15777.39	15777.06	15777.26	15777.28	15777.05	15776.49	15775.51	15774.05	15771.00
33.5	15638.86	15638.41	15637.81	15637.63	15637.24	15636.59	15635.60	15634.21	15632.34	15628.99
34.0	15493.87	15493.12	15492.20	15491.63	15490.83	15489.76	15488.34	15486.52	15484.23	15480.49
34.5	15343.05	15341.97	15340.69	15339.79	15338.66	15337.22	15335.41	15333.17	15330.42	15326.02
35.0	15185.61	15184.16	15182.50	15181.26	15179.77	15177.95	15175.73	15173.05	15169.84	15164.78
35.5	15020.81	15019.01	15016.96	15015.27	15013.32	15011.03	15008.35	15005.21	15001.54	14996.12
36.0	14848.88	14846.69	14844.23	14842.05	14839.58	14836.78	14833.59	14829.96	14825.84	14820.10
36.5	14669.85	14667.21	14664.26	14661.50	14658.44	14655.03	14651.25	14647.04	14642.38	14636.21
37.0	14483.52	14480.44	14477.04	14473.79	14470.22	14466.31	14462.02	14457.31	14452.16	14445.50
37.5	14289.80	14286.38	14282.67	14279.29	14275.61	14271.59	14267.16	14262.27	14256.88	14249.62
38.0	14088.45	14084.74	14080.75	14077.26	14073.49	14069.36	14064.80	14059.75	14054.13	14046.33
38.5	13879.15	13875.21	13870.95	13866.99	13862.72	13858.07	13852.99	13847.44	13841.37	13833.32
39.0	13662.00	13657.80	13653.25	13648.80	13644.01	13638.83	13633.24	13627.21	13620.69	13612.46
39.5	13437.07	13432.43	13427.46	13422.85	13417.92	13412.64	13406.95	13400.80	13394.15	13385.54
40.0	13204.16	13199.09	13193.74	13188.90	13183.78	13178.33	13172.48	13166.19	13159.39	13150.50
40.5	12962.86	12957.62	12952.03	12946.51	12940.67	12934.49	12927.96	12921.06	12913.77	12905.01
41.0	12713.84	12708.48	12702.70	12696.45	12689.83	12682.87	12675.59	12668.02	12660.19	12651.60
41.5	12457.87	12452.32	12446.31	12439.61	12432.52	12425.07	12417.31	12409.29	12401.06	12392.28
42.0	12194.25	12188.43	12182.14	12175.16	12167.77	12160.04	12152.01	12143.73	12135.26	12126.25
42.5	11922.29	11916.02	11909.34	11902.29	11894.91	11887.24	11879.30	11871.14	11862.79	11853.74
43.0	11642.66	11635.97	11628.92	11621.79	11614.40	11606.77	11598.92	11590.88	11582.68	11573.74
43.5	11355.78	11348.95	11341.72	11334.10	11326.21	11318.09	11309.80	11301.42	11293.00	11284.45
44.0	11061.69	11054.81	11047.49	11039.48	11031.16	11022.64	11013.99	11005.33	10996.74	10988.61
44.5	10760.19	10753.21	10745.85	10738.05	10730.00	10721.78	10713.47	10705.15	10696.88	10688.85
45.0	10452.40	10445.41	10438.12	10430.64	10422.99	10415.22	10407.36	10399.49	10391.65	10383.79
45.5	10138.87	10132.09	10125.03	10117.61	10110.03	10102.34	10094.61	10086.91	10079.30	10072.04
46.0	9821.11	9814.65	9807.89	9800.54	9793.01	9785.39	9777.76	9770.21	9762.82	9756.17

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**CANDELA TABULATION - (Cont.)**

46.5	9500.96	9494.87	9488.49	9481.44	9474.20	9466.86	9459.50	9452.22	9445.09	9438.68
47.0	9178.03	9172.22	9166.13	9159.39	9152.48	9145.46	9138.42	9131.44	9124.60	9118.35
47.5	8851.97	8846.04	8839.86	8833.26	8826.52	8819.72	8812.94	8806.25	8799.73	8793.70
48.0	8524.48	8518.46	8512.22	8505.76	8499.22	8492.66	8486.17	8479.80	8473.63	8467.94
48.5	8196.41	8190.71	8184.83	8178.70	8172.50	8166.31	8160.20	8154.26	8148.54	8143.44
49.0	7870.05	7864.84	7859.47	7853.71	7847.91	7842.13	7836.45	7830.95	7825.70	7821.26
49.5	7548.00	7543.30	7538.43	7533.06	7527.63	7522.23	7516.94	7511.85	7507.03	7503.18
50.0	7230.26	7226.06	7221.69	7216.73	7211.72	7206.72	7201.84	7197.15	7192.75	7189.40
50.5	6917.23	6913.47	6909.55	6905.09	6900.57	6896.06	6891.65	6887.41	6883.42	6880.32
51.0	6610.33	6606.92	6603.39	6599.39	6595.34	6591.31	6587.35	6583.55	6579.95	6577.07
51.5	6310.89	6307.71	6304.42	6300.75	6297.04	6293.38	6289.81	6286.40	6283.21	6280.71
52.0	6019.48	6016.50	6013.43	6010.00	6006.55	6003.16	5999.89	5996.79	5993.95	5991.87
52.5	5737.00	5734.33	5731.55	5728.23	5724.87	5721.57	5718.38	5715.41	5712.71	5711.02
53.0	5463.74	5461.43	5458.97	5455.82	5452.61	5449.43	5446.39	5443.56	5441.05	5439.71
53.5	5200.06	5198.14	5196.11	5193.46	5190.78	5188.15	5185.63	5183.32	5181.28	5180.21
54.0	4946.72	4945.14	4943.50	4941.30	4939.10	4936.95	4934.93	4933.11	4931.55	4930.80
54.5	4704.79	4703.47	4702.05	4699.74	4697.40	4695.13	4693.03	4691.21	4689.75	4689.69
55.0	4473.75	4472.46	4471.07	4468.68	4466.28	4463.99	4461.91	4460.18	4458.91	4459.44
55.5	4253.70	4251.72	4249.86	4248.20	4246.73	4245.48	4244.49	4243.80	4243.43	4243.88
56.0	4043.80	4041.44	4039.34	4038.21	4037.41	4036.91	4036.70	4036.75	4037.05	4037.48
56.5	3842.70	3841.59	3840.49	3838.58	3836.76	3835.13	3833.80	3832.87	3832.43	3833.72
57.0	3652.05	3652.38	3652.45	3649.56	3646.48	3643.45	3640.72	3638.53	3637.14	3639.41
57.5	3474.76	3475.70	3476.26	3473.00	3469.44	3465.86	3462.59	3459.92	3458.16	3461.08
58.0	3305.70	3306.61	3307.16	3304.02	3300.60	3297.17	3294.05	3291.52	3289.88	3293.00
58.5	3138.86	3138.56	3138.20	3136.15	3134.10	3132.19	3130.59	3129.44	3128.91	3131.19
59.0	2979.91	2978.31	2976.95	2975.99	2975.32	2974.93	2974.85	2975.09	2975.65	2976.91
59.5	2833.98	2832.14	2830.55	2829.59	2828.93	2828.56	2828.49	2828.69	2829.18	2830.08
60.0	2696.71	2694.94	2693.37	2692.16	2691.18	2690.47	2690.02	2689.85	2689.99	2690.73
60.5	2565.31	2563.56	2562.00	2560.85	2559.93	2559.25	2558.82	2558.65	2558.75	2559.35
61.0	2440.10	2438.43	2436.94	2435.87	2435.03	2434.41	2434.02	2433.86	2433.93	2434.41
61.5	2320.49	2318.97	2317.60	2316.53	2315.65	2314.96	2314.48	2314.19	2314.12	2314.43
62.0	2206.42	2205.01	2203.74	2202.64	2201.69	2200.91	2200.29	2199.86	2199.61	2199.74
62.5	2097.57	2096.13	2094.82	2093.69	2092.70	2091.85	2091.15	2090.61	2090.22	2090.09
63.0	1994.05	1992.55	1991.15	1989.96	1988.90	1987.97	1987.17	1986.51	1985.99	1985.67
63.5	1895.93	1894.38	1892.89	1891.59	1890.40	1889.33	1888.40	1887.61	1886.98	1886.71
64.0	1803.03	1801.48	1799.95	1798.50	1797.13	1795.87	1794.74	1793.77	1792.99	1792.83
64.5	1715.52	1714.20	1712.83	1711.12	1709.43	1707.80	1706.29	1704.95	1703.85	1703.74
65.0	1632.33	1631.15	1629.88	1628.03	1626.15	1624.30	1622.55	1620.98	1619.63	1619.41
65.5	1552.02	1550.51	1549.01	1547.44	1545.92	1544.45	1543.06	1541.78	1540.62	1539.81
66.0	1475.79	1473.84	1472.01	1470.81	1469.75	1468.78	1467.87	1466.98	1466.08	1464.64
66.5	1405.04	1402.70	1400.54	1399.57	1398.79	1398.13	1397.51	1396.86	1396.10	1394.31
67.0	1337.76	1335.25	1332.95	1331.99	1331.24	1330.61	1330.01	1329.35	1328.55	1326.60
67.5	1272.22	1270.20	1268.26	1266.84	1265.51	1264.21	1262.94	1261.64	1260.29	1258.51
68.0	1209.02	1207.53	1205.99	1204.09	1202.14	1200.16	1198.19	1196.24	1194.34	1192.80
68.5	1148.17	1146.63	1145.04	1143.12	1141.16	1139.18	1137.19	1135.24	1133.33	1131.77
69.0	1089.70	1087.98	1086.24	1084.42	1082.60	1080.76	1078.94	1077.13	1075.34	1073.70
69.5	1033.59	1031.87	1030.12	1028.29	1026.44	1024.59	1022.75	1020.92	1019.12	1017.46
70.0	980.02	978.30	976.56	974.69	972.80	970.91	969.01	967.13	965.28	963.57
70.5	929.42	927.63	925.81	923.91	921.99	920.05	918.11	916.15	914.21	912.29
71.0	881.07	879.20	877.30	875.37	873.42	871.44	869.44	867.42	865.39	863.26
71.5	834.48	832.59	830.65	828.70	826.71	824.69	822.64	820.57	818.47	816.30
72.0	789.37	787.49	785.56	783.60	781.60	779.56	777.50	775.41	773.30	771.14
72.5	745.07	743.28	741.44	739.57	737.66	735.71	733.73	731.71	729.67	727.53
73.0	702.13	700.41	698.65	696.86	695.04	693.17	691.27	689.33	687.36	685.24
73.5	660.84	659.04	657.21	655.40	653.56	651.69	649.79	647.86	645.89	643.75
74.0	621.25	619.37	617.45	615.59	613.70	611.78	609.83	607.86	605.85	603.69

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**CANDELA TABULATION - (Cont.)**

74.5	583.84	582.03	580.15	578.22	576.23	574.21	572.14	570.05	567.94	565.75
75.0	547.63	545.89	544.07	542.09	540.04	537.93	535.78	533.60	531.40	529.17
75.5	511.55	509.77	507.92	505.98	503.99	501.95	499.86	497.74	495.60	493.34
76.0	476.34	474.55	472.69	470.83	468.91	466.95	464.94	462.90	460.81	458.52
76.5	442.58	440.99	439.30	437.49	435.60	433.63	431.60	429.51	427.37	424.99
77.0	409.55	408.19	406.70	404.92	403.01	401.00	398.91	396.75	394.54	392.13
77.5	376.43	375.18	373.77	371.92	369.94	367.84	365.67	363.46	361.24	359.03
78.0	344.07	342.94	341.63	339.73	337.68	335.52	333.30	331.06	328.85	326.89
78.5	313.20	312.35	311.30	309.48	307.48	305.36	303.16	300.94	298.76	296.89
79.0	283.33	282.74	281.94	280.24	278.35	276.31	274.18	272.03	269.91	268.13
79.5	253.93	253.40	252.66	251.09	249.34	247.45	245.48	243.49	241.53	239.94
80.0	225.81	225.32	224.62	223.16	221.51	219.73	217.89	216.02	214.19	212.75
80.5	199.88	199.61	199.10	197.61	195.88	194.00	192.03	190.02	188.05	186.52
81.0	175.32	175.20	174.82	173.34	171.61	169.69	167.67	165.59	163.55	161.91
81.5	151.45	151.04	150.45	149.28	147.94	146.47	144.90	143.28	141.63	140.02
82.0	128.84	128.15	127.35	126.48	125.52	124.48	123.37	122.19	120.97	119.45
82.5	107.91	107.33	106.63	105.69	104.64	103.50	102.31	101.06	99.80	98.43
83.0	88.47	88.13	87.64	86.64	85.52	84.29	82.99	81.66	80.34	79.17
83.5	70.42	70.30	70.06	69.40	68.62	67.75	66.80	65.81	64.79	63.81
84.0	53.90	53.99	54.02	53.79	53.49	53.10	52.64	52.11	51.52	50.79
84.5	38.37	38.64	38.91	39.10	39.25	39.36	39.41	39.41	39.33	39.03
85.0	25.78	26.16	26.57	27.05	27.53	28.00	28.44	28.84	29.17	29.27
85.5	18.76	19.08	19.44	19.86	20.29	20.73	21.15	21.55	21.91	22.16
86.0	14.71	14.92	15.15	15.38	15.63	15.88	16.13	16.39	16.63	16.90
86.5	12.08	12.15	12.23	12.30	12.37	12.45	12.53	12.62	12.72	12.86
87.0	10.47	10.44	10.41	10.35	10.29	10.23	10.18	10.13	10.09	10.10
87.5	8.92	8.89	8.87	8.82	8.78	8.75	8.71	8.68	8.66	8.66
88.0	7.71	7.72	7.73	7.75	7.77	7.80	7.83	7.86	7.90	7.94
88.5	6.78	6.82	6.86	6.91	6.97	7.02	7.09	7.16	7.23	7.32
89.0	6.16	6.21	6.27	6.34	6.40	6.48	6.55	6.64	6.73	6.84
89.5	5.85	5.89	5.94	5.98	6.03	6.08	6.13	6.19	6.25	6.33
90.0	5.87	5.87	5.87	5.86	5.86	5.85	5.85	5.85	5.85	5.85

**Vert. Angles**      **Horizontal Angles**

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
0.5	18338.55	18338.50	18338.45	18338.39	18338.32	18338.25	18338.17	18338.09	18338.03	18337.98
1.0	18337.99	18337.91	18337.82	18337.72	18337.62	18337.51	18337.40	18337.30	18337.22	18337.16
1.5	18336.68	18336.58	18336.47	18336.36	18336.25	18336.18	18336.11	18336.07	18336.04	18336.02
2.0	18334.78	18334.68	18334.58	18334.47	18334.38	18334.34	18334.32	18334.32	18334.33	18334.36
2.5	18332.49	18332.45	18332.40	18332.34	18332.28	18332.18	18332.09	18332.00	18331.93	18331.89
3.0	18329.57	18329.59	18329.60	18329.58	18329.55	18329.41	18329.25	18329.11	18328.97	18328.87
3.5	18325.73	18325.74	18325.74	18325.74	18325.73	18325.68	18325.63	18325.59	18325.57	18325.56
4.0	18321.37	18321.33	18321.29	18321.27	18321.25	18321.30	18321.37	18321.46	18321.55	18321.66
4.5	18316.93	18316.77	18316.61	18316.46	18316.34	18316.39	18316.47	18316.58	18316.71	18316.87
5.0	18312.02	18311.80	18311.57	18311.34	18311.13	18311.13	18311.17	18311.25	18311.36	18311.50
5.5	18306.39	18306.34	18306.26	18306.16	18306.06	18305.99	18305.93	18305.88	18305.86	18305.85
6.0	18300.16	18300.27	18300.34	18300.38	18300.39	18300.27	18300.12	18299.96	18299.80	18299.66
6.5	18293.42	18293.45	18293.44	18293.40	18293.33	18293.20	18293.05	18292.91	18292.79	18292.70
7.0	18286.03	18285.93	18285.81	18285.66	18285.51	18285.39	18285.29	18285.21	18285.17	18285.16
7.5	18277.76	18277.67	18277.56	18277.43	18277.29	18277.24	18277.21	18277.20	18277.22	18277.26
8.0	18268.92	18268.88	18268.80	18268.71	18268.63	18268.63	18268.65	18268.68	18268.73	18268.79
8.5	18259.87	18259.86	18259.81	18259.74	18259.66	18259.63	18259.59	18259.57	18259.55	18259.55
9.0	18250.20	18250.25	18250.24	18250.20	18250.14	18250.06	18249.96	18249.87	18249.78	18249.70
9.5	18239.60	18239.74	18239.82	18239.85	18239.84	18239.79	18239.71	18239.62	18239.51	18239.39



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**CANDELA TABULATION - (Cont.)**

10.0	18228.21	18228.45	18228.63	18228.74	18228.80	18228.80	18228.76	18228.68	18228.57	18228.44
10.5	18216.06	18216.40	18216.67	18216.87	18217.01	18217.04	18217.02	18216.95	18216.85	18216.71
11.0	18203.16	18203.60	18203.96	18204.24	18204.45	18204.49	18204.46	18204.38	18204.26	18204.11
11.5	18189.56	18190.11	18190.57	18190.93	18191.20	18191.17	18191.06	18190.88	18190.66	18190.42
12.0	18175.17	18175.78	18176.29	18176.69	18176.98	18176.89	18176.70	18176.44	18176.14	18175.84
12.5	18159.95	18160.47	18160.89	18161.20	18161.41	18161.34	18161.18	18160.97	18160.73	18160.49
13.0	18143.76	18144.18	18144.50	18144.71	18144.84	18144.82	18144.75	18144.63	18144.48	18144.34
13.5	18126.41	18126.82	18127.13	18127.36	18127.51	18127.56	18127.56	18127.53	18127.48	18127.43
14.0	18108.10	18108.52	18108.86	18109.13	18109.33	18109.46	18109.55	18109.62	18109.66	18109.69
14.5	18089.04	18089.47	18089.83	18090.11	18090.34	18090.57	18090.76	18090.92	18091.05	18091.16
15.0	18068.96	18069.44	18069.83	18070.14	18070.40	18070.72	18071.01	18071.25	18071.46	18071.62
15.5	18047.73	18048.29	18048.76	18049.15	18049.47	18049.84	18050.16	18050.44	18050.66	18050.83
16.0	18025.24	18025.89	18026.44	18026.91	18027.30	18027.74	18028.12	18028.44	18028.70	18028.89
16.5	18001.31	18002.00	18002.60	18003.11	18003.57	18004.18	18004.74	18005.23	18005.65	18005.98
17.0	17976.05	17976.78	17977.40	17977.95	17978.45	17979.21	17979.94	17980.59	17981.15	17981.60
17.5	17949.54	17950.31	17950.97	17951.55	17952.08	17952.85	17953.57	17954.21	17954.76	17955.20
18.0	17921.66	17922.47	17923.16	17923.76	17924.28	17925.00	17925.66	17926.25	17926.73	17927.11
18.5	17892.52	17893.33	17893.99	17894.55	17895.02	17895.70	17896.32	17896.85	17897.28	17897.61
19.0	17861.60	17862.43	17863.08	17863.61	17864.04	17864.67	17865.22	17865.69	17866.05	17866.29
19.5	17828.36	17829.28	17830.03	17830.63	17831.10	17831.65	17832.10	17832.45	17832.68	17832.80
20.0	17793.05	17794.08	17794.93	17795.61	17796.14	17796.62	17796.98	17797.21	17797.33	17797.34
20.5	17755.86	17756.93	17757.82	17758.53	17759.08	17759.55	17759.87	17760.07	17760.14	17760.10
21.0	17716.52	17717.61	17718.51	17719.23	17719.79	17720.25	17720.57	17720.74	17720.79	17720.72
21.5	17674.77	17675.88	17676.82	17677.58	17678.17	17678.61	17678.89	17679.04	17679.06	17678.96
22.0	17630.75	17631.84	17632.74	17633.47	17634.04	17634.45	17634.71	17634.83	17634.83	17634.71
22.5	17584.68	17585.57	17586.28	17586.81	17587.19	17587.54	17587.77	17587.88	17587.90	17587.81
23.0	17536.04	17536.73	17537.22	17537.53	17537.71	17537.99	17538.18	17538.27	17538.28	17538.20
23.5	17484.30	17484.95	17485.38	17485.63	17485.74	17485.94	17486.04	17486.04	17485.95	17485.78
24.0	17429.64	17430.28	17430.69	17430.91	17430.99	17431.13	17431.14	17431.06	17430.87	17430.58
24.5	17372.13	17372.73	17373.10	17373.29	17373.34	17373.48	17373.52	17373.44	17373.23	17372.91
25.0	17311.53	17312.04	17312.34	17312.46	17312.43	17312.56	17312.58	17312.48	17312.25	17311.89
25.5	17247.73	17248.08	17248.19	17248.10	17247.87	17247.83	17247.69	17247.43	17247.05	17246.55
26.0	17180.35	17180.51	17180.41	17180.11	17179.66	17179.41	17179.06	17178.62	17178.06	17177.41
26.5	17108.87	17108.88	17108.64	17108.21	17107.64	17107.25	17106.78	17106.21	17105.54	17104.79
27.0	17033.50	17033.39	17033.05	17032.51	17031.84	17031.30	17030.66	17029.94	17029.13	17028.24
27.5	16954.48	16954.32	16953.93	16953.32	16952.54	16951.73	16950.81	16949.78	16948.66	16947.47
28.0	16871.28	16871.03	16870.52	16869.78	16868.84	16867.76	16866.55	16865.22	16863.80	16862.32
28.5	16783.39	16782.81	16781.96	16780.91	16779.68	16778.44	16777.09	16775.64	16774.13	16772.56
29.0	16691.05	16690.07	16688.83	16687.39	16685.81	16684.38	16682.88	16681.31	16679.70	16678.05
29.5	16594.56	16593.27	16591.71	16589.95	16588.03	16586.24	16584.38	16582.47	16580.54	16578.60
30.0	16493.19	16491.54	16489.61	16487.46	16485.16	16483.02	16480.82	16478.59	16476.35	16474.13
30.5	16386.34	16384.08	16381.54	16378.82	16376.01	16373.71	16371.41	16369.12	16366.85	16364.61
31.0	16273.96	16271.11	16268.00	16264.74	16261.44	16258.98	16256.60	16254.27	16251.99	16249.75
31.5	16155.69	16152.56	16149.17	16145.64	16142.09	16139.36	16136.72	16134.16	16131.69	16129.28
32.0	16031.79	16028.46	16024.87	16021.13	16017.38	16014.31	16011.34	16008.46	16005.69	16003.02
32.5	15902.70	15899.10	15895.25	15891.25	15887.20	15883.74	15880.35	15877.05	15873.88	15870.83
33.0	15767.49	15763.61	15759.48	15755.19	15750.83	15746.93	15743.10	15739.37	15735.77	15732.33
33.5	15625.20	15621.06	15616.66	15612.10	15607.46	15603.12	15598.85	15594.70	15590.70	15586.91
34.0	15476.33	15471.81	15467.06	15462.15	15457.18	15452.48	15447.88	15443.41	15439.13	15435.10
34.5	15321.18	15315.99	15310.60	15305.10	15299.63	15294.82	15290.17	15285.71	15281.47	15277.48
35.0	15159.26	15153.41	15147.39	15141.33	15135.37	15130.47	15125.81	15121.40	15117.23	15113.30
35.5	14990.26	14984.09	14977.77	14971.43	14965.21	14960.04	14955.13	14950.50	14946.14	14942.06
36.0	14813.96	14807.54	14800.99	14794.44	14788.02	14782.57	14777.39	14772.51	14767.95	14763.71
36.5	14629.68	14622.92	14616.07	14609.26	14602.63	14596.99	14591.67	14586.69	14582.08	14577.85
37.0	14438.51	14431.33	14424.09	14416.94	14410.02	14404.22	14398.80	14393.79	14389.18	14385.00
37.5	14241.98	14234.12	14226.23	14218.46	14211.01	14205.09	14199.63	14194.63	14190.08	14185.95

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**CANDELA TABULATION - (Cont.)**

38.0	14038.10	14029.64	14021.14	14012.82	14004.86	13998.80	13993.27	13988.24	13983.68	13979.55
38.5	13824.89	13816.25	13807.61	13799.14	13791.04	13784.72	13778.93	13773.65	13768.85	13764.50
39.0	13603.89	13595.16	13586.44	13577.91	13569.74	13563.18	13557.14	13551.61	13546.58	13542.03
39.5	13376.58	13367.45	13358.34	13349.46	13340.97	13334.34	13328.28	13322.77	13317.80	13313.32
40.0	13141.26	13131.85	13122.48	13113.37	13104.70	13098.03	13091.98	13086.52	13081.61	13077.22
40.5	12896.02	12886.95	12877.96	12869.23	12860.90	12854.13	12847.94	12842.29	12837.19	12832.62
41.0	12642.91	12634.23	12625.68	12617.38	12609.46	12602.64	12596.33	12590.54	12585.28	12580.57
41.5	12383.45	12374.69	12366.11	12357.82	12349.94	12343.20	12336.99	12331.32	12326.20	12321.65
42.0	12117.23	12108.30	12099.60	12091.24	12083.34	12076.74	12070.71	12065.26	12060.38	12056.06
42.5	11844.66	11835.70	11826.96	11818.59	11810.71	11804.30	11798.50	11793.27	11788.61	11784.50
43.0	11564.79	11555.96	11547.37	11539.15	11531.42	11525.21	11519.58	11514.54	11510.04	11506.06
43.5	11276.00	11267.75	11259.76	11252.13	11244.94	11238.82	11233.21	11228.11	11223.50	11219.39
44.0	10980.69	10973.02	10965.65	10958.62	10951.98	10945.99	10940.43	10935.31	10930.65	10926.43
44.5	10681.02	10673.44	10666.15	10659.23	10652.72	10647.09	10641.91	10637.18	10632.89	10629.02
45.0	10376.08	10368.60	10361.41	10354.59	10348.20	10342.88	10338.04	10333.65	10329.70	10326.15
45.5	10064.98	10058.15	10051.58	10045.32	10039.41	10034.00	10028.98	10024.36	10020.15	10016.37
46.0	9749.77	9743.62	9737.71	9732.05	9726.64	9721.20	9716.06	9711.25	9706.83	9702.84
46.5	9432.52	9426.61	9420.95	9415.55	9410.42	9405.40	9400.68	9396.29	9392.27	9388.64
47.0	9112.33	9106.58	9101.11	9095.95	9091.10	9086.73	9082.70	9079.00	9075.64	9072.61
47.5	8787.94	8782.49	8777.37	8772.61	8768.25	8764.80	8761.73	8758.97	8756.48	8754.21
48.0	8462.55	8457.51	8452.83	8448.57	8444.75	8442.13	8439.91	8437.98	8436.26	8434.65
48.5	8138.66	8134.22	8130.14	8126.44	8123.13	8120.78	8118.77	8117.03	8115.49	8114.08
49.0	7817.14	7813.36	7809.90	7806.78	7803.97	7801.73	7799.78	7798.06	7796.53	7795.16
49.5	7499.67	7496.50	7493.63	7491.05	7488.75	7486.80	7485.07	7483.53	7482.14	7480.86
50.0	7186.39	7183.70	7181.31	7179.17	7177.27	7175.62	7174.14	7172.80	7171.58	7170.42
50.5	6877.53	6875.03	6872.80	6870.81	6869.06	6867.59	6866.31	6865.16	6864.13	6863.18
51.0	6574.47	6572.12	6570.02	6568.17	6566.56	6565.30	6564.24	6563.34	6562.56	6561.88
51.5	6278.49	6276.53	6274.82	6273.35	6272.11	6271.23	6270.54	6270.01	6269.60	6269.29
52.0	5990.08	5988.57	5987.32	5986.31	5985.53	5985.06	5984.76	5984.62	5984.60	5984.66
52.5	5709.66	5708.60	5707.81	5707.27	5706.94	5706.81	5706.82	5706.96	5707.20	5707.50
53.0	5438.74	5438.09	5437.73	5437.61	5437.70	5437.92	5438.28	5438.74	5439.27	5439.82
53.5	5179.46	5179.03	5178.88	5178.99	5179.34	5180.07	5180.96	5181.95	5183.00	5184.06
54.0	4930.37	4930.23	4930.38	4930.79	4931.46	4932.66	4934.02	4935.50	4937.01	4938.50
54.5	4690.03	4690.73	4691.73	4692.96	4694.37	4695.79	4697.29	4698.83	4700.38	4701.89
55.0	4460.45	4461.85	4463.56	4465.46	4467.48	4469.07	4470.66	4472.24	4473.80	4475.30
55.5	4244.64	4245.70	4246.99	4248.49	4250.15	4251.96	4253.85	4255.78	4257.69	4259.54
56.0	4038.13	4038.99	4040.07	4041.37	4042.87	4045.00	4047.25	4049.57	4051.86	4054.06
56.5	3835.52	3837.74	3840.29	3843.09	3846.03	3848.92	3851.81	3854.62	3857.27	3859.72
57.0	3642.52	3646.26	3650.43	3654.83	3659.25	3662.50	3665.54	3668.35	3670.90	3673.17
57.5	3464.93	3469.40	3474.23	3479.10	3483.75	3485.57	3486.97	3488.07	3488.97	3489.78
58.0	3296.97	3301.49	3306.23	3310.87	3315.11	3315.57	3315.52	3315.15	3314.67	3314.29
58.5	3134.03	3137.26	3140.67	3144.08	3147.28	3148.44	3149.29	3149.94	3150.48	3151.00
59.0	2978.45	2980.22	2982.18	2984.26	2986.41	2988.59	2990.74	2992.81	2994.75	2996.51
59.5	2831.23	2832.60	2834.17	2835.90	2837.77	2840.05	2842.37	2844.63	2846.77	2848.70
60.0	2691.75	2693.01	2694.48	2696.12	2697.89	2700.00	2702.13	2704.21	2706.17	2707.94
60.5	2560.19	2561.25	2562.49	2563.89	2565.40	2567.23	2569.09	2570.90	2572.59	2574.11
61.0	2435.09	2435.96	2436.98	2438.13	2439.38	2440.89	2442.42	2443.90	2445.27	2446.47
61.5	2314.94	2315.61	2316.42	2317.34	2318.36	2319.64	2320.92	2322.16	2323.29	2324.26
62.0	2200.04	2200.50	2201.09	2201.79	2202.58	2203.66	2204.74	2205.78	2206.71	2207.48
62.5	2090.12	2090.29	2090.58	2091.00	2091.52	2092.46	2093.43	2094.36	2095.18	2095.83
63.0	1985.50	1985.45	1985.52	1985.71	1986.01	1986.78	1987.58	1988.35	1989.01	1989.49
63.5	1886.60	1886.60	1886.71	1886.90	1887.14	1887.55	1887.95	1888.28	1888.51	1888.59
64.0	1792.84	1792.97	1793.18	1793.42	1793.66	1793.69	1793.65	1793.53	1793.30	1792.96
64.5	1703.84	1704.09	1704.42	1704.77	1705.05	1704.75	1704.34	1703.83	1703.22	1702.54
65.0	1619.41	1619.56	1619.81	1620.07	1620.27	1619.82	1619.26	1618.60	1617.86	1617.07
65.5	1539.14	1538.58	1538.13	1537.77	1537.48	1537.45	1537.44	1537.39	1537.25	1536.99

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**CANDELA TABULATION - (Cont.)**

66.0	1463.21	1461.83	1460.56	1459.43	1458.51	1458.76	1459.15	1459.58	1459.93	1460.10
66.5	1392.40	1390.46	1388.55	1386.74	1385.11	1384.60	1384.27	1384.01	1383.75	1383.41
67.0	1324.48	1322.26	1320.00	1317.78	1315.65	1314.26	1313.01	1311.85	1310.77	1309.72
67.5	1256.67	1254.80	1252.90	1251.01	1249.16	1247.47	1245.84	1244.27	1242.77	1241.34
68.0	1191.31	1189.86	1188.43	1187.00	1185.54	1183.75	1181.95	1180.16	1178.42	1176.75
68.5	1130.26	1128.79	1127.33	1125.86	1124.37	1122.53	1120.68	1118.84	1117.04	1115.32
69.0	1072.08	1070.48	1068.89	1067.29	1065.67	1063.84	1062.02	1060.21	1058.45	1056.77
69.5	1015.83	1014.22	1012.62	1011.03	1009.42	1007.63	1005.85	1004.09	1002.38	1000.73
70.0	961.89	960.23	958.60	956.97	955.35	953.59	951.84	950.12	948.46	946.86
70.5	910.39	908.50	906.64	904.80	903.00	901.18	899.40	897.69	896.05	894.49
71.0	861.14	859.02	856.93	854.88	852.88	850.98	849.15	847.41	845.76	844.21
71.5	814.12	811.95	809.80	807.69	805.62	803.62	801.69	799.84	798.09	796.45
72.0	768.97	766.81	764.66	762.54	760.46	758.40	756.40	754.49	752.67	750.96
72.5	725.38	723.23	721.10	719.01	716.96	714.98	713.09	711.28	709.58	708.00
73.0	683.11	680.97	678.87	676.80	674.80	672.92	671.14	669.47	667.90	666.46
73.5	641.60	639.46	637.33	635.25	633.24	631.36	629.57	627.89	626.33	624.90
74.0	601.51	599.35	597.21	595.11	593.08	591.18	589.38	587.68	586.11	584.68
74.5	563.56	561.39	559.26	557.19	555.19	553.31	551.54	549.89	548.38	547.01
75.0	526.96	524.79	522.66	520.61	518.65	516.83	515.13	513.57	512.15	510.90
75.5	491.10	488.89	486.74	484.67	482.72	481.00	479.43	478.01	476.74	475.64
76.0	456.24	453.99	451.80	449.72	447.77	446.20	444.80	443.56	442.48	441.56
76.5	422.61	420.28	418.03	415.92	413.98	412.62	411.46	410.48	409.65	408.97
77.0	389.73	387.40	385.17	383.10	381.24	380.08	379.14	378.38	377.77	377.28
77.5	356.88	354.81	352.86	351.06	349.45	348.39	347.51	346.81	346.25	345.81
78.0	325.02	323.25	321.61	320.11	318.76	317.76	316.92	316.23	315.68	315.24
78.5	295.13	293.48	291.96	290.58	289.35	288.47	287.74	287.14	286.66	286.28
79.0	266.45	264.89	263.45	262.14	260.99	260.20	259.56	259.03	258.60	258.26
79.5	238.45	237.06	235.78	234.61	233.56	232.76	232.07	231.49	230.99	230.58
80.0	211.39	210.13	208.97	207.90	206.94	206.12	205.40	204.78	204.24	203.79
80.5	185.10	183.79	182.59	181.51	180.56	179.81	179.18	178.67	178.27	177.97
81.0	160.38	158.97	157.70	156.57	155.61	154.99	154.54	154.23	154.04	153.97
81.5	138.47	137.01	135.67	134.49	133.51	133.21	133.09	133.13	133.27	133.49
82.0	117.95	116.50	115.16	113.98	113.01	112.94	113.08	113.36	113.73	114.12
82.5	97.10	95.83	94.66	93.62	92.76	92.56	92.52	92.60	92.76	92.95
83.0	78.05	76.99	76.03	75.16	74.41	73.99	73.68	73.46	73.32	73.23
83.5	62.84	61.90	61.01	60.18	59.43	58.90	58.46	58.10	57.83	57.64
84.0	50.02	49.24	48.46	47.71	47.00	46.44	45.94	45.53	45.20	44.96
84.5	38.67	38.26	37.82	37.36	36.89	36.43	35.99	35.60	35.27	35.02
85.0	29.30	29.26	29.17	29.02	28.83	28.52	28.20	27.88	27.59	27.36
85.5	22.37	22.52	22.63	22.69	22.69	22.52	22.32	22.11	21.90	21.73
86.0	17.15	17.37	17.57	17.74	17.86	17.81	17.72	17.61	17.50	17.40
86.5	13.00	13.14	13.27	13.38	13.47	13.45	13.41	13.36	13.31	13.27
87.0	10.11	10.13	10.15	10.18	10.20	10.19	10.17	10.16	10.16	10.16
87.5	8.68	8.69	8.72	8.74	8.77	8.79	8.81	8.84	8.87	8.90
88.0	7.99	8.04	8.09	8.15	8.20	8.25	8.29	8.34	8.39	8.44
88.5	7.41	7.50	7.60	7.69	7.77	7.83	7.88	7.93	7.98	8.02
89.0	6.96	7.08	7.19	7.30	7.40	7.46	7.50	7.54	7.58	7.62
89.5	6.42	6.50	6.58	6.66	6.73	6.77	6.80	6.82	6.85	6.87
90.0	5.86	5.86	5.87	5.87	5.88	5.89	5.89	5.89	5.90	5.90

**Vert.  
Angles**

**Horizontal Angles**

	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>
0.0	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
0.5	18337.95	18338.00	18338.06	18338.13	18338.19	18338.24	18338.28	18338.36	18338.41	18338.43
1.0	18337.12	18337.21	18337.33	18337.44	18337.54	18337.62	18337.66	18337.77	18337.82	18337.82

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**CANDELA TABULATION - (Cont.)**

1.5	18336.03	18336.17	18336.31	18336.44	18336.54	18336.59	18336.58	18336.65	18336.65	18336.58
2.0	18334.40	18334.58	18334.75	18334.90	18335.00	18335.04	18335.00	18335.00	18334.91	18334.76
2.5	18331.88	18332.10	18332.33	18332.55	18332.74	18332.87	18332.91	18332.83	18332.66	18332.42
3.0	18328.82	18329.08	18329.36	18329.64	18329.89	18330.09	18330.19	18330.06	18329.83	18329.52
3.5	18325.58	18325.87	18326.16	18326.41	18326.59	18326.66	18326.59	18326.51	18326.30	18325.98
4.0	18321.77	18322.10	18322.39	18322.61	18322.71	18322.65	18322.40	18322.40	18322.25	18321.96
4.5	18317.03	18317.41	18317.76	18318.02	18318.16	18318.14	18317.90	18318.01	18317.92	18317.66
5.0	18311.66	18312.08	18312.47	18312.79	18312.98	18313.00	18312.81	18313.03	18313.02	18312.80
5.5	18305.87	18306.25	18306.61	18306.89	18307.04	18307.02	18306.76	18307.12	18307.20	18307.05
6.0	18299.55	18299.91	18300.25	18300.52	18300.64	18300.57	18300.25	18300.71	18300.86	18300.75
6.5	18292.64	18293.11	18293.56	18293.93	18294.16	18294.18	18293.93	18294.37	18294.46	18294.27
7.0	18285.21	18285.78	18286.34	18286.80	18287.12	18287.21	18287.02	18287.40	18287.43	18287.15
7.5	18277.34	18277.92	18278.46	18278.88	18279.11	18279.08	18278.72	18279.16	18279.22	18278.95
8.0	18268.86	18269.42	18269.91	18270.25	18270.36	18270.18	18269.63	18270.13	18270.21	18269.94
8.5	18259.56	18260.10	18260.56	18260.89	18260.98	18260.76	18260.16	18260.60	18260.60	18260.24
9.0	18249.63	18250.14	18250.59	18250.89	18250.95	18250.70	18250.05	18250.42	18250.32	18249.86
9.5	18239.28	18239.76	18240.14	18240.36	18240.31	18239.91	18239.07	18239.43	18239.30	18238.79
10.0	18228.29	18228.75	18229.10	18229.24	18229.09	18228.54	18227.51	18227.87	18227.73	18227.18
10.5	18216.56	18217.07	18217.45	18217.61	18217.43	18216.83	18215.68	18216.04	18215.87	18215.26
11.0	18203.94	18204.52	18204.98	18205.20	18205.06	18204.46	18203.28	18203.63	18203.41	18202.74
11.5	18190.19	18190.83	18191.37	18191.69	18191.67	18191.20	18190.15	18190.47	18190.21	18189.46
12.0	18175.57	18176.26	18176.88	18177.30	18177.39	18177.05	18176.14	18176.44	18176.12	18175.30
12.5	18160.27	18161.02	18161.69	18162.14	18162.25	18161.89	18160.94	18161.24	18160.89	18160.04
13.0	18144.21	18145.03	18145.75	18146.22	18146.32	18145.90	18144.86	18145.14	18144.77	18143.85
13.5	18127.38	18128.31	18129.11	18129.64	18129.77	18129.35	18128.24	18128.47	18127.98	18126.91
14.0	18109.73	18110.73	18111.60	18112.17	18112.30	18111.84	18110.66	18110.82	18110.21	18109.00
14.5	18091.25	18092.26	18093.09	18093.60	18093.64	18093.05	18091.70	18091.84	18091.20	18089.93
15.0	18071.74	18072.73	18073.51	18073.95	18073.87	18073.14	18071.62	18071.75	18071.08	18069.75
15.5	18050.96	18051.95	18052.72	18053.13	18053.02	18052.24	18050.64	18050.71	18049.96	18048.55
16.0	18029.03	18030.02	18030.78	18031.15	18030.99	18030.13	18028.43	18028.43	18027.60	18026.09
16.5	18006.21	18007.17	18007.86	18008.11	18007.77	18006.70	18004.72	18004.65	18003.73	18002.13
17.0	17981.90	17982.86	17983.49	17983.63	17983.14	17981.85	17979.62	17979.50	17978.52	17976.83
17.5	17955.50	17956.49	17957.16	17957.33	17956.84	17955.53	17953.25	17953.18	17952.20	17950.46
18.0	17927.36	17928.39	17929.11	17929.32	17928.87	17927.58	17925.28	17925.27	17924.29	17922.53
18.5	17897.80	17898.82	17899.51	17899.69	17899.18	17897.82	17895.43	17895.38	17894.34	17892.50
19.0	17866.41	17867.40	17868.06	17868.20	17867.64	17866.21	17863.72	17863.65	17862.57	17860.66
19.5	17832.80	17833.81	17834.49	17834.65	17834.10	17832.65	17830.11	17830.16	17829.14	17827.25
20.0	17797.23	17798.25	17798.95	17799.13	17798.59	17797.13	17794.55	17794.71	17793.77	17791.91
20.5	17759.94	17760.92	17761.59	17761.74	17761.16	17759.66	17757.03	17757.16	17756.17	17754.26
21.0	17720.54	17721.50	17722.15	17722.27	17721.65	17720.10	17717.40	17717.49	17716.45	17714.48
21.5	17678.75	17679.77	17680.46	17680.60	17679.98	17678.39	17675.61	17675.74	17674.71	17672.72
22.0	17634.49	17635.58	17636.34	17636.53	17635.94	17634.32	17631.46	17631.63	17630.61	17628.59
22.5	17587.63	17588.79	17589.63	17589.90	17589.37	17587.80	17584.96	17585.06	17583.94	17581.82
23.0	17538.04	17539.24	17540.12	17540.43	17539.93	17538.38	17535.54	17535.60	17534.42	17532.23
23.5	17485.52	17486.66	17487.47	17487.70	17487.11	17485.44	17482.46	17482.66	17481.59	17479.48
24.0	17430.20	17431.24	17431.93	17432.02	17431.27	17429.41	17426.21	17426.63	17425.75	17423.79
24.5	17372.47	17373.39	17373.92	17373.82	17372.83	17370.70	17367.19	17367.87	17367.20	17365.42
25.0	17311.38	17312.18	17312.56	17312.28	17311.08	17308.72	17304.94	17305.88	17305.45	17303.88
25.5	17245.93	17246.62	17246.93	17246.59	17245.35	17242.96	17239.16	17240.32	17240.11	17238.75
26.0	17176.65	17177.28	17177.55	17177.19	17175.95	17173.59	17169.83	17171.18	17171.15	17169.97
26.5	17103.95	17104.59	17104.86	17104.51	17103.27	17100.86	17097.04	17098.50	17098.56	17097.43
27.0	17027.28	17027.90	17028.17	17027.80	17026.53	17024.07	17020.14	17021.77	17021.94	17020.88
27.5	16946.23	16946.68	16946.81	16946.33	16944.96	16942.43	16938.45	16940.39	16940.86	16940.09
28.0	16860.79	16861.07	16861.05	16860.44	16858.96	16856.34	16852.27	16854.60	16855.43	16855.02
28.5	16770.96	16771.20	16771.13	16770.46	16768.88	16766.11	16761.85	16764.58	16765.76	16765.64
29.0	16676.39	16676.59	16676.48	16675.74	16674.07	16671.17	16666.72	16669.91	16671.48	16671.69

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**CANDELA TABULATION - (Cont.)**

29.5	16576.67	16576.72	16576.50	16575.68	16573.95	16571.01	16566.52	16570.24	16572.31	16572.98
30.0	16471.95	16471.83	16471.46	16470.52	16468.70	16465.68	16461.14	16465.46	16468.09	16469.27
30.5	16362.40	16362.10	16361.52	16360.35	16358.28	16354.98	16350.15	16355.17	16358.46	16360.26
31.0	16247.53	16247.10	16246.36	16245.00	16242.72	16239.19	16234.09	16239.77	16243.68	16246.04
31.5	16126.94	16126.54	16125.87	16124.60	16122.39	16118.92	16113.84	16119.97	16124.26	16126.95
32.0	16000.47	16000.10	15999.51	15998.34	15996.25	15992.88	15987.88	15994.40	15999.03	16002.02
32.5	15867.94	15867.36	15866.61	15865.32	15863.14	15859.72	15854.71	15861.62	15866.67	15870.10
33.0	15729.07	15728.28	15727.35	15725.93	15723.67	15720.20	15715.17	15722.58	15728.15	15732.11
33.5	15583.37	15582.54	15581.64	15580.30	15578.14	15574.81	15569.91	15578.09	15584.34	15588.89
34.0	15431.37	15430.52	15429.64	15428.34	15426.24	15422.94	15418.07	15427.20	15434.27	15439.53
34.5	15273.75	15272.73	15271.63	15270.05	15267.61	15263.92	15258.58	15268.91	15277.10	15283.40
35.0	15109.62	15108.46	15107.16	15105.32	15102.57	15098.49	15092.70	15104.11	15113.31	15120.54
35.5	14938.27	14937.13	14935.89	14934.13	14931.46	14927.46	14921.73	14933.55	14943.15	14950.78
36.0	14759.81	14758.80	14757.73	14756.19	14753.75	14749.99	14744.48	14756.55	14766.38	14774.23
36.5	14574.02	14573.26	14572.49	14571.27	14569.14	14565.68	14560.42	14572.89	14582.99	14591.02
37.0	14381.26	14380.70	14380.14	14379.13	14377.21	14373.92	14368.81	14381.88	14392.48	14400.90
37.5	14182.25	14181.51	14180.73	14179.48	14177.29	14173.71	14168.28	14182.57	14194.34	14203.88
38.0	13975.82	13974.85	13973.80	13972.25	13969.75	13965.83	13960.06	13975.59	13988.58	13999.26
38.5	13760.59	13759.57	13758.51	13756.98	13754.51	13750.64	13744.92	13761.13	13774.69	13785.85
39.0	13537.96	13536.99	13536.03	13534.60	13532.24	13528.47	13522.82	13539.63	13553.65	13565.16
39.5	13309.33	13308.55	13307.74	13306.40	13304.04	13300.14	13294.21	13311.92	13326.70	13338.86
40.0	13073.32	13072.75	13072.12	13070.91	13068.58	13064.61	13058.46	13076.99	13092.50	13105.26
40.5	12828.59	12828.09	12827.59	12826.57	12824.47	12820.78	12814.95	12833.91	12849.77	12862.83
41.0	12576.42	12576.01	12575.66	12574.84	12573.00	12569.61	12564.13	12583.38	12599.46	12612.70
41.5	12317.66	12317.51	12317.40	12316.77	12315.07	12311.73	12306.20	12325.70	12341.98	12355.35
42.0	12052.30	12052.40	12052.50	12052.01	12050.37	12046.98	12041.26	12061.13	12077.69	12091.26
42.5	11780.93	11781.14	11781.29	11780.80	11779.10	11775.59	11769.67	11790.32	11807.51	11821.57
43.0	11502.59	11502.83	11502.98	11502.45	11500.65	11496.98	11490.86	11512.30	11530.15	11544.73
43.5	11215.76	11216.00	11216.12	11215.54	11213.66	11209.87	11203.57	11225.53	11243.82	11258.78
44.0	10922.68	10922.96	10923.10	10922.50	10920.55	10916.64	10910.15	10932.43	10950.99	10966.14
44.5	10625.57	10626.07	10626.36	10625.81	10623.79	10619.68	10612.82	10635.29	10653.88	10668.94
45.0	10322.98	10323.77	10324.27	10323.86	10321.88	10317.68	10310.62	10333.02	10351.43	10366.20
45.5	10013.01	10013.99	10014.77	10014.69	10013.09	10009.29	10002.65	10024.57	10042.45	10056.68
46.0	9699.33	9700.50	9701.54	9701.77	9700.52	9697.09	9690.82	9712.26	9729.63	9743.33
46.5	9385.44	9386.91	9388.16	9388.48	9387.20	9383.60	9376.98	9398.43	9415.67	9429.10
47.0	9069.91	9071.58	9072.88	9073.13	9071.61	9067.61	9060.44	9082.06	9099.33	9112.67
47.5	8752.09	8753.56	8754.49	8754.24	8752.16	8747.59	8739.87	8761.74	8779.25	8792.76
48.0	8433.06	8434.41	8435.09	8434.51	8432.04	8427.08	8419.01	8440.97	8458.54	8472.08
48.5	8112.72	8114.66	8115.95	8115.94	8113.98	8109.43	8101.62	8123.04	8139.94	8152.71
49.0	7793.91	7796.48	7798.45	7799.11	7797.78	7793.75	7786.33	7807.12	7823.25	7835.17
49.5	7479.67	7482.28	7484.27	7484.95	7483.63	7479.63	7472.25	7492.80	7508.65	7520.24
50.0	7169.31	7171.86	7173.77	7174.37	7173.00	7168.99	7161.68	7182.06	7197.73	7209.15
50.5	6862.28	6864.98	6867.05	6867.85	6866.72	6863.02	6856.09	6876.21	6891.70	6902.98
51.0	6561.27	6564.18	6566.50	6567.59	6566.80	6563.51	6557.06	6576.78	6591.94	6602.97
51.5	6269.04	6272.27	6274.90	6276.34	6275.94	6273.08	6267.14	6286.01	6300.39	6310.71
52.0	5984.78	5988.29	5991.23	5992.97	5992.91	5990.44	5984.92	6002.98	6016.61	6026.25
52.5	5707.83	5711.50	5714.58	5716.46	5716.53	5714.20	5708.84	5726.76	5740.27	5749.80
53.0	5440.38	5444.16	5447.32	5449.27	5449.41	5447.15	5441.89	5459.60	5472.97	5482.40
53.5	5185.06	5188.94	5192.16	5194.15	5194.35	5192.20	5187.11	5203.90	5216.53	5225.39
54.0	4939.89	4943.87	4947.17	4949.24	4949.56	4947.59	4942.77	4958.34	4969.96	4978.02
54.5	4703.33	4707.47	4710.98	4713.33	4714.01	4712.48	4708.21	4722.35	4732.75	4739.79
55.0	4476.75	4481.00	4484.67	4487.24	4488.20	4487.03	4483.22	4496.02	4505.29	4511.41
55.5	4261.29	4265.47	4269.02	4271.45	4272.27	4270.99	4267.10	4279.14	4287.80	4293.48
56.0	4056.10	4060.17	4063.54	4065.74	4066.31	4064.78	4060.67	4072.11	4080.36	4085.77
56.5	3861.88	3865.85	3869.03	3870.97	3871.24	3869.38	3864.95	3875.86	3883.82	3889.12
57.0	3675.12	3679.11	3682.33	3684.33	3684.68	3682.93	3678.64	3688.72	3696.03	3700.85

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**CANDELA TABULATION - (Cont.)**

57.5	3490.61	3495.15	3499.30	3502.55	3504.40	3504.34	3501.85	3509.84	3515.03	3517.83
58.0	3314.20	3319.00	3323.74	3327.90	3330.92	3332.25	3331.33	3337.65	3341.15	3342.33
58.5	3151.60	3155.30	3158.76	3161.57	3163.30	3163.54	3161.87	3169.00	3173.49	3175.78
59.0	2998.03	3000.49	3002.40	3003.52	3003.58	3002.31	2999.46	3007.77	3013.69	3017.52
59.5	2850.34	2852.42	2853.91	2854.60	2854.28	2852.73	2849.71	2857.79	2863.67	2867.60
60.0	2709.43	2711.37	2712.75	2713.38	2713.03	2711.49	2708.54	2716.09	2721.58	2725.25
60.5	2575.37	2577.14	2578.38	2578.89	2578.45	2576.84	2573.87	2581.15	2586.45	2590.01
61.0	2447.46	2449.05	2450.15	2450.54	2450.00	2448.34	2445.31	2452.36	2457.50	2460.95
61.5	2325.01	2326.34	2327.20	2327.37	2326.65	2324.84	2321.72	2328.58	2333.57	2336.93
62.0	2208.03	2209.06	2209.62	2209.53	2208.59	2206.60	2203.38	2210.01	2214.86	2218.14
62.5	2096.24	2096.92	2097.12	2096.69	2095.45	2093.24	2089.89	2096.23	2100.92	2104.17
63.0	1989.72	1990.09	1990.00	1989.30	1987.85	1985.50	1982.09	1988.06	1992.53	1995.67
63.5	1888.47	1888.71	1888.55	1887.85	1886.46	1884.22	1880.97	1886.46	1890.53	1893.39
64.0	1792.47	1792.64	1792.50	1791.89	1790.67	1788.66	1785.71	1790.63	1794.25	1796.75
64.5	1701.79	1701.89	1701.79	1701.35	1700.41	1698.82	1696.44	1700.56	1703.57	1705.65
65.0	1616.23	1616.21	1616.03	1615.57	1614.71	1613.30	1611.22	1614.86	1617.55	1619.45
65.5	1536.55	1536.14	1535.42	1534.29	1532.66	1530.42	1527.48	1531.82	1535.19	1537.76
66.0	1459.99	1459.26	1458.07	1456.35	1454.02	1451.01	1447.25	1452.35	1456.47	1459.73
66.5	1382.91	1382.28	1381.30	1379.89	1377.94	1375.34	1371.99	1376.87	1380.83	1384.02
67.0	1308.68	1308.23	1307.61	1306.70	1305.35	1303.44	1300.82	1305.23	1308.84	1311.76
67.5	1239.98	1239.52	1239.01	1238.30	1237.25	1235.71	1233.56	1237.78	1241.25	1244.10
68.0	1175.18	1174.68	1174.19	1173.55	1172.66	1171.36	1169.52	1173.55	1176.87	1179.61
68.5	1113.70	1113.14	1112.58	1111.90	1110.97	1109.66	1107.83	1111.52	1114.55	1117.05
69.0	1055.17	1054.55	1053.92	1053.16	1052.14	1050.73	1048.81	1052.14	1054.86	1057.09
69.5	999.17	998.54	997.89	997.11	996.06	994.64	992.70	995.70	998.13	1000.12
70.0	945.34	944.71	944.07	943.28	942.25	940.84	938.95	941.73	944.00	945.86
70.5	893.03	892.38	891.73	890.97	889.99	888.70	886.96	889.88	892.32	894.39
71.0	842.78	842.09	841.43	840.69	839.78	838.59	837.03	840.15	842.82	845.12
71.5	794.94	794.18	793.46	792.69	791.77	790.61	789.10	792.26	794.99	797.38
72.0	749.39	748.60	747.87	747.09	746.18	745.04	743.57	746.61	749.24	751.54
72.5	706.55	705.90	705.29	704.64	703.85	702.82	701.45	703.97	706.10	707.93
73.0	665.16	664.65	664.19	663.67	663.01	662.09	660.83	662.89	664.58	665.99
73.5	623.61	623.09	622.62	622.12	621.49	620.62	619.44	621.65	623.50	625.06
74.0	583.39	582.85	582.39	581.90	581.30	580.51	579.42	581.86	583.93	585.73
74.5	545.81	545.37	545.03	544.68	544.25	543.64	542.76	544.99	546.91	548.59
75.0	509.82	509.52	509.32	509.13	508.86	508.42	507.72	509.71	511.41	512.90
75.5	474.70	474.53	474.44	474.34	474.15	473.78	473.12	475.07	476.70	478.10
76.0	440.80	440.71	440.69	440.63	440.46	440.06	439.36	441.31	442.91	444.23
76.5	408.39	408.32	408.25	408.10	407.79	407.23	406.33	408.24	409.80	411.09
77.0	376.87	376.81	376.71	376.50	376.09	375.41	374.37	376.16	377.63	378.84
77.5	345.46	345.53	345.58	345.54	345.32	344.84	344.02	345.53	346.73	347.70
78.0	314.92	315.10	315.30	315.42	315.39	315.12	314.53	315.73	316.65	317.35
78.5	285.98	286.13	286.26	286.30	286.17	285.79	285.07	286.08	286.81	287.34
79.0	257.98	258.05	258.09	258.01	257.75	257.23	256.36	257.26	257.86	258.27
79.5	230.23	230.28	230.31	230.25	230.03	229.57	228.81	229.62	230.17	230.51
80.0	203.42	203.51	203.59	203.62	203.51	203.19	202.61	203.40	203.94	204.28
80.5	177.77	178.05	178.35	178.59	178.69	178.60	178.22	179.17	179.82	180.22
81.0	154.00	154.45	154.90	155.28	155.52	155.54	155.27	156.27	156.94	157.34
81.5	133.74	134.09	134.38	134.54	134.50	134.22	133.64	134.17	134.44	134.51
82.0	114.49	114.70	114.78	114.68	114.36	113.78	112.89	113.01	112.95	112.75
82.5	93.14	93.30	93.37	93.29	93.02	92.51	91.71	92.14	92.38	92.49
83.0	73.18	73.34	73.47	73.51	73.41	73.11	72.57	73.38	73.98	74.42
83.5	57.52	57.75	58.00	58.21	58.33	58.31	58.09	58.82	59.35	59.72
84.0	44.82	45.13	45.49	45.86	46.18	46.40	46.47	46.95	47.26	47.40
84.5	34.86	35.19	35.58	35.99	36.36	36.65	36.80	36.93	36.90	36.74
85.0	27.20	27.52	27.89	28.28	28.63	28.90	29.06	28.88	28.56	28.13

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**CANDELA TABULATION - (Cont.)**

85.5	21.61	21.88	22.18	22.49	22.76	22.96	23.06	22.85	22.50	22.06
86.0	17.32	17.53	17.75	17.96	18.14	18.27	18.30	18.16	17.92	17.58
86.5	13.24	13.39	13.55	13.71	13.84	13.94	13.98	13.99	13.91	13.76
87.0	10.18	10.29	10.40	10.51	10.62	10.70	10.76	10.89	10.96	10.99
87.5	8.94	9.01	9.09	9.17	9.23	9.29	9.32	9.44	9.53	9.58
88.0	8.48	8.55	8.61	8.67	8.71	8.74	8.75	8.80	8.82	8.83
88.5	8.07	8.17	8.26	8.34	8.40	8.43	8.42	8.36	8.26	8.12
89.0	7.65	7.78	7.90	8.00	8.07	8.10	8.08	7.94	7.74	7.50
89.5	6.90	6.99	7.08	7.15	7.20	7.22	7.20	7.10	6.95	6.76
90.0	5.91	5.93	5.95	5.97	5.98	5.98	5.96	5.99	6.00	5.99

**Vert.  
Angles**

**Horizontal Angles**

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
0.5	18338.42	18338.39	18338.34	18338.27	18338.18	18338.09	18338.00	18337.91	18337.84	18337.82
1.0	18337.78	18337.70	18337.58	18337.46	18337.32	18337.18	18337.04	18336.90	18336.78	18336.75
1.5	18336.46	18336.30	18336.12	18335.97	18335.81	18335.65	18335.50	18335.36	18335.23	18335.17
2.0	18334.55	18334.31	18334.06	18333.90	18333.75	18333.60	18333.47	18333.35	18333.24	18333.16
2.5	18332.12	18331.80	18331.48	18331.35	18331.23	18331.14	18331.05	18330.99	18330.93	18330.86
3.0	18329.15	18328.77	18328.39	18328.27	18328.19	18328.13	18328.09	18328.06	18328.04	18327.98
3.5	18325.60	18325.19	18324.78	18324.64	18324.52	18324.44	18324.38	18324.32	18324.28	18324.20
4.0	18321.58	18321.15	18320.71	18320.53	18320.36	18320.22	18320.09	18319.98	18319.88	18319.77
4.5	18317.29	18316.84	18316.34	18316.09	18315.85	18315.62	18315.39	18315.18	18314.98	18314.79
5.0	18312.44	18311.96	18311.44	18311.13	18310.82	18310.51	18310.20	18309.89	18309.60	18309.33
5.5	18306.72	18306.26	18305.72	18305.46	18305.18	18304.88	18304.57	18304.26	18303.93	18303.58
6.0	18300.42	18299.95	18299.40	18299.16	18298.89	18298.61	18298.30	18297.97	18297.63	18297.20
6.5	18293.86	18293.29	18292.62	18292.27	18291.89	18291.48	18291.07	18290.66	18290.23	18289.79
7.0	18286.64	18285.96	18285.19	18284.72	18284.22	18283.71	18283.21	18282.70	18282.21	18281.77
7.5	18278.43	18277.74	18276.94	18276.49	18276.02	18275.54	18275.04	18274.54	18274.05	18273.55
8.0	18269.41	18268.70	18267.87	18267.47	18267.05	18266.61	18266.16	18265.69	18265.21	18264.67
8.5	18259.61	18258.79	18257.86	18257.43	18257.00	18256.55	18256.11	18255.65	18255.19	18254.67
9.0	18249.11	18248.17	18247.14	18246.68	18246.21	18245.76	18245.31	18244.87	18244.44	18243.95
9.5	18237.99	18237.00	18235.92	18235.45	18234.99	18234.55	18234.13	18233.71	18233.30	18232.86
10.0	18226.34	18225.29	18224.16	18223.68	18223.23	18222.79	18222.37	18221.96	18221.55	18221.13
10.5	18214.34	18213.21	18211.98	18211.46	18210.96	18210.47	18210.01	18209.55	18209.10	18208.59
11.0	18201.73	18200.50	18199.17	18198.59	18198.03	18197.49	18196.96	18196.43	18195.91	18195.29
11.5	18188.37	18187.04	18185.62	18184.98	18184.37	18183.78	18183.19	18182.60	18182.01	18181.29
12.0	18174.13	18172.71	18171.18	18170.49	18169.81	18169.15	18168.50	18167.84	18167.17	18166.38
12.5	18158.80	18157.30	18155.69	18154.89	18154.12	18153.36	18152.61	18151.87	18151.13	18150.34
13.0	18142.52	18140.93	18139.20	18138.30	18137.41	18136.54	18135.69	18134.86	18134.05	18133.27
13.5	18125.41	18123.63	18121.71	18120.70	18119.71	18118.74	18117.81	18116.90	18116.03	18115.22
14.0	18107.33	18105.37	18103.26	18102.14	18101.04	18099.98	18098.97	18097.98	18097.04	18096.16
14.5	18088.18	18086.13	18083.92	18082.71	18081.52	18080.37	18079.25	18078.16	18077.11	18076.10
15.0	18067.95	18065.82	18063.53	18062.25	18060.98	18059.74	18058.53	18057.34	18056.17	18055.01
15.5	18046.64	18044.41	18042.02	18040.68	18039.36	18038.07	18036.80	18035.54	18034.29	18032.99
16.0	18024.08	18021.73	18019.23	18017.82	18016.44	18015.08	18013.73	18012.40	18011.07	18009.63
16.5	18000.00	17997.54	17994.91	17993.38	17991.86	17990.36	17988.88	17987.42	17985.97	17984.45
17.0	17974.61	17972.03	17969.27	17967.58	17965.91	17964.26	17962.63	17961.02	17959.43	17957.82
17.5	17948.17	17945.48	17942.59	17940.77	17938.95	17937.13	17935.34	17933.56	17931.80	17930.04
18.0	17920.15	17917.36	17914.35	17912.41	17910.46	17908.52	17906.58	17904.66	17902.75	17900.83
18.5	17890.03	17887.13	17884.00	17882.01	17880.00	17878.00	17876.01	17874.04	17872.07	17870.08
19.0	17858.11	17855.12	17851.90	17849.86	17847.81	17845.76	17843.72	17841.70	17839.70	17837.65
19.5	17824.70	17821.67	17818.38	17816.26	17814.11	17811.96	17809.81	17807.67	17805.54	17803.41
20.0	17789.34	17786.28	17782.94	17780.73	17778.48	17776.22	17773.95	17771.69	17769.45	17767.25
20.5	17751.64	17748.51	17745.09	17742.79	17740.46	17738.11	17735.77	17733.44	17731.14	17728.96

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21.0	17711.79	17708.58	17705.08	17702.72	17700.32	17697.92	17695.53	17693.16	17690.84	17688.68
21.5	17669.99	17666.73	17663.18	17660.80	17658.39	17655.98	17653.58	17651.20	17648.87	17646.71
22.0	17625.81	17622.50	17618.88	17616.50	17614.09	17611.68	17609.28	17606.90	17604.58	17602.42
22.5	17578.92	17575.48	17571.75	17569.30	17566.85	17564.40	17561.98	17559.60	17557.29	17555.18
23.0	17529.24	17525.71	17521.89	17519.41	17516.93	17514.47	17512.04	17509.67	17507.37	17505.30
23.5	17476.56	17473.07	17469.28	17466.89	17464.49	17462.10	17459.73	17457.40	17455.13	17452.99
24.0	17420.99	17417.61	17413.90	17411.62	17409.30	17406.98	17404.66	17402.37	17400.11	17397.92
24.5	17362.78	17359.51	17355.88	17353.59	17351.25	17348.90	17346.55	17344.24	17341.97	17339.94
25.0	17301.40	17298.27	17294.74	17292.45	17290.09	17287.70	17285.31	17282.97	17280.70	17278.83
25.5	17236.47	17233.52	17230.15	17227.92	17225.60	17223.23	17220.86	17218.52	17216.24	17214.40
26.0	17167.86	17165.07	17161.84	17159.71	17157.48	17155.18	17152.86	17150.56	17148.33	17146.51
26.5	17095.34	17092.56	17089.34	17087.34	17085.22	17083.06	17080.88	17078.71	17076.62	17074.91
27.0	17018.86	17016.12	17012.94	17011.09	17009.14	17007.14	17005.14	17003.15	17001.23	16999.67
27.5	16938.34	16935.86	16932.93	16931.30	16929.57	16927.78	16925.95	16924.14	16922.37	16920.95
28.0	16853.60	16851.43	16848.78	16847.40	16845.89	16844.29	16842.65	16841.00	16839.39	16838.14
28.5	16764.46	16762.49	16760.03	16758.81	16757.46	16756.02	16754.53	16753.04	16751.59	16750.58
29.0	16670.79	16669.06	16666.79	16665.77	16664.59	16663.31	16661.98	16660.64	16659.36	16658.60
29.5	16572.50	16571.14	16569.21	16568.48	16567.55	16566.50	16565.37	16564.22	16563.12	16562.58
30.0	16469.28	16468.37	16466.83	16466.40	16465.73	16464.90	16463.97	16463.00	16462.07	16461.76
30.5	16360.81	16360.39	16359.28	16359.09	16358.62	16357.95	16357.15	16356.31	16355.51	16355.49
31.0	16247.10	16247.13	16246.40	16246.44	16246.15	16245.62	16244.95	16244.24	16243.58	16243.89
31.5	16128.29	16128.56	16128.03	16128.23	16128.07	16127.66	16127.12	16126.55	16126.06	16126.70
32.0	16003.64	16004.16	16003.86	16004.32	16004.41	16004.26	16003.97	16003.65	16003.40	16004.34
32.5	15872.18	15873.18	15873.39	15874.49	15875.22	15875.70	15876.01	15876.24	15876.47	15877.59
33.0	15734.73	15736.27	15737.04	15738.83	15740.26	15741.41	15742.34	15743.14	15743.88	15745.17
33.5	15592.02	15594.03	15595.20	15597.46	15599.32	15600.87	15602.18	15603.31	15604.36	15605.92
34.0	15443.28	15445.81	15447.44	15450.09	15452.30	15454.14	15455.71	15457.08	15458.34	15460.21
34.5	15288.07	15291.42	15293.74	15296.79	15299.29	15301.35	15303.07	15304.56	15305.93	15308.10
35.0	15126.08	15130.19	15133.17	15136.63	15139.45	15141.75	15143.66	15145.32	15146.84	15149.30
35.5	14956.70	14961.19	14964.55	14968.46	14971.73	14974.48	14976.83	14978.89	14980.80	14983.53
36.0	14780.36	14785.07	14788.69	14793.06	14796.82	14800.07	14802.91	14805.46	14807.82	14810.83
36.5	14597.28	14602.10	14605.84	14610.65	14614.89	14618.63	14621.97	14625.00	14627.82	14631.15
37.0	14407.48	14412.56	14416.52	14421.74	14426.37	14430.50	14434.21	14437.61	14440.77	14444.41
37.5	14211.49	14217.49	14222.23	14227.75	14232.55	14236.75	14240.48	14243.85	14246.99	14250.88
38.0	14007.92	14014.86	14020.39	14026.15	14031.06	14035.26	14038.92	14042.20	14045.26	14049.37
38.5	13794.90	13802.15	13807.93	13813.90	13818.97	13823.32	13827.10	13830.50	13833.68	13838.00
39.0	13574.47	13581.90	13587.81	13593.98	13599.24	13603.75	13607.69	13611.24	13614.58	13619.09
39.5	13348.70	13356.56	13362.80	13369.21	13374.65	13379.29	13383.33	13386.97	13390.40	13395.13
40.0	13115.59	13123.85	13130.42	13137.08	13142.70	13147.49	13151.64	13155.36	13158.86	13163.77
40.5	12873.41	12881.88	12888.62	12895.55	12901.42	12906.42	12910.76	12914.64	12918.26	12923.14
41.0	12623.43	12632.02	12638.86	12645.98	12652.03	12657.20	12661.69	12665.69	12669.42	12674.25
41.5	12366.17	12374.79	12381.65	12388.77	12394.81	12399.98	12404.48	12408.51	12412.30	12417.34
42.0	12102.20	12110.88	12117.74	12124.76	12130.67	12135.70	12140.06	12143.98	12147.70	12152.88
42.5	11832.85	11841.75	11848.68	11855.54	11861.18	11865.86	11869.83	11873.33	11876.63	11881.53
43.0	11556.39	11565.53	11572.56	11579.25	11584.61	11588.93	11592.48	11595.53	11598.37	11602.95
43.5	11270.74	11280.10	11287.28	11293.96	11299.26	11303.47	11306.88	11309.78	11312.47	11317.04
44.0	10978.24	10987.68	10994.87	11001.46	11006.63	11010.67	11013.91	11016.64	11019.17	11023.73
44.5	10680.83	10689.96	10696.77	10702.84	10707.46	10710.93	10713.61	10715.80	10717.86	10722.20
45.0	10377.70	10386.36	10392.64	10398.19	10402.25	10405.18	10407.32	10409.00	10410.60	10414.61
45.5	10067.66	10075.82	10081.65	10087.09	10091.10	10094.00	10096.12	10097.77	10099.29	10102.87
46.0	9753.77	9761.43	9766.80	9772.09	9776.00	9778.83	9780.87	9782.44	9783.83	9786.95
46.5	9439.18	9446.37	9451.20	9455.87	9459.12	9461.28	9462.66	9463.59	9464.40	9467.14
47.0	9122.51	9129.35	9133.70	9137.64	9140.08	9141.38	9141.91	9142.01	9142.04	9144.38
47.5	8802.71	8809.56	8813.79	8817.08	8818.75	8819.21	8818.85	8818.06	8817.24	8819.06
48.0	8482.00	8488.73	8492.76	8495.48	8496.50	8496.24	8495.11	8493.54	8491.95	8493.14
48.5	8161.80	8167.70	8170.91	8173.24	8173.92	8173.33	8171.88	8169.95	8167.94	8168.31



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**CANDELA TABULATION - (Cont.)**

49.0	7843.36	7848.35	7850.70	7852.72	7853.15	7852.34	7850.68	7848.51	7846.21	7845.80
49.5	7528.07	7532.68	7534.63	7536.30	7536.37	7535.20	7533.17	7530.62	7527.93	7527.11
50.0	7216.80	7221.22	7222.97	7224.34	7224.09	7222.60	7220.22	7217.32	7214.28	7213.16
50.5	6910.54	6914.88	6916.56	6917.79	6917.40	6915.73	6913.15	6910.02	6906.71	6905.17
51.0	6610.34	6614.55	6616.13	6617.26	6616.77	6615.01	6612.32	6609.05	6605.57	6603.68
51.5	6317.46	6321.13	6322.28	6323.26	6322.70	6320.92	6318.26	6315.03	6311.57	6309.54
52.0	6032.38	6035.52	6036.23	6036.99	6036.29	6034.44	6031.75	6028.53	6025.08	6023.03
52.5	5755.84	5758.87	5759.44	5759.83	5758.73	5756.48	5753.40	5749.83	5746.09	5744.11
53.0	5488.36	5491.32	5491.81	5491.84	5490.36	5487.73	5484.29	5480.40	5476.39	5474.47
53.5	5230.91	5233.57	5233.86	5233.71	5232.12	5229.44	5225.99	5222.10	5218.11	5216.14
54.0	4982.95	4985.18	4985.21	4985.00	4983.47	4980.91	4977.64	4973.96	4970.16	4968.10
54.5	4743.92	4745.56	4745.21	4745.11	4743.84	4741.65	4738.81	4735.55	4732.13	4729.91
55.0	4514.80	4515.92	4515.25	4515.22	4514.18	4512.34	4509.90	4507.07	4504.07	4501.94
55.5	4296.57	4297.50	4296.74	4296.48	4295.30	4293.41	4291.04	4288.42	4285.76	4284.67
56.0	4088.71	4089.59	4088.85	4088.39	4087.05	4085.07	4082.69	4080.14	4077.66	4077.27
56.5	3892.10	3893.12	3892.56	3892.14	3890.81	3888.78	3886.24	3883.41	3880.50	3878.77
57.0	3703.53	3704.38	3703.79	3703.74	3702.83	3701.19	3698.97	3696.29	3693.31	3690.07
57.5	3518.69	3518.07	3516.47	3517.64	3518.39	3518.67	3518.48	3517.79	3516.58	3513.31
58.0	3341.73	3339.94	3337.55	3339.68	3341.74	3343.60	3345.12	3346.15	3346.56	3343.85
58.5	3176.30	3175.52	3173.93	3175.31	3176.41	3177.22	3177.69	3177.80	3177.51	3175.73
59.0	3019.56	3020.16	3019.67	3020.09	3019.94	3019.34	3018.38	3017.19	3015.87	3015.00
59.5	2869.87	2870.77	2870.62	2871.21	2871.24	2870.82	2870.07	2869.09	2868.00	2867.47
60.0	2727.39	2728.29	2728.26	2729.21	2729.68	2729.76	2729.52	2729.04	2728.40	2728.00
60.5	2592.10	2593.01	2593.02	2593.92	2594.36	2594.43	2594.21	2593.77	2593.20	2592.93
61.0	2462.98	2463.86	2463.87	2464.68	2465.05	2465.07	2464.82	2464.39	2463.86	2463.70
61.5	2338.92	2339.80	2339.86	2340.76	2341.24	2341.39	2341.30	2341.05	2340.71	2340.76
62.0	2220.11	2221.04	2221.19	2222.22	2222.87	2223.23	2223.36	2223.35	2223.25	2223.55
62.5	2106.20	2107.26	2107.62	2108.80	2109.64	2110.21	2110.58	2110.82	2111.00	2111.57
63.0	1997.72	1998.89	1999.43	2000.77	2001.82	2002.64	2003.28	2003.81	2004.28	2005.10
63.5	1895.24	1896.30	1896.82	1898.31	1899.57	1900.64	1901.58	1902.41	1903.19	1904.15
64.0	1798.35	1799.28	1799.77	1801.45	1802.98	1804.38	1805.67	1806.86	1807.99	1809.07
64.5	1707.01	1707.86	1708.43	1710.53	1712.58	1714.58	1716.48	1718.28	1719.95	1721.11
65.0	1620.77	1621.70	1622.45	1624.84	1627.24	1629.63	1631.95	1634.16	1636.21	1637.55
65.5	1539.66	1541.08	1542.19	1544.25	1546.21	1548.09	1549.91	1551.68	1553.42	1555.25
66.0	1462.24	1464.16	1465.63	1467.35	1468.87	1470.25	1471.57	1472.90	1474.31	1476.68
66.5	1386.55	1388.57	1390.21	1392.25	1394.15	1395.95	1397.72	1399.51	1401.37	1404.11
67.0	1314.15	1316.13	1317.85	1320.30	1322.69	1325.04	1327.38	1329.72	1332.09	1334.98
67.5	1246.44	1248.42	1250.17	1252.67	1255.12	1257.52	1259.88	1262.22	1264.54	1267.06
68.0	1181.89	1183.81	1185.53	1188.00	1190.41	1192.77	1195.06	1197.30	1199.50	1201.61
68.5	1119.12	1120.90	1122.53	1125.02	1127.50	1129.95	1132.37	1134.75	1137.08	1139.26
69.0	1058.95	1060.57	1062.09	1064.61	1067.16	1069.73	1072.29	1074.84	1077.36	1079.74
69.5	1001.79	1003.27	1004.70	1007.22	1009.82	1012.47	1015.15	1017.84	1020.51	1023.05
70.0	947.45	948.89	950.30	952.82	955.43	958.12	960.86	963.62	966.39	969.05
70.5	896.18	897.81	899.41	901.91	904.49	907.12	909.79	912.49	915.20	917.93
71.0	847.15	849.01	850.79	853.27	855.78	858.33	860.89	863.48	866.09	868.82
71.5	799.50	801.44	803.30	805.73	808.19	810.65	813.13	815.63	818.15	820.81
72.0	753.59	755.47	757.27	759.64	762.02	764.41	766.82	769.25	771.70	774.29
72.5	709.55	711.05	712.52	714.72	716.99	719.32	721.70	724.13	726.60	729.18
73.0	667.22	668.38	669.56	671.62	673.80	676.09	678.47	680.91	683.42	686.01
73.5	626.45	627.74	629.04	631.16	633.39	635.71	638.10	640.56	643.07	645.71
74.0	587.33	588.83	590.31	592.50	594.77	597.10	599.49	601.93	604.40	607.03
74.5	550.10	551.53	552.95	555.06	557.24	559.49	561.78	564.11	566.47	568.89
75.0	514.25	515.53	516.82	518.78	520.83	522.94	525.10	527.30	529.52	531.75
75.5	479.33	480.48	481.63	483.43	485.31	487.28	489.30	491.39	493.53	495.82
76.0	445.36	446.38	447.39	449.01	450.70	452.48	454.34	456.29	458.32	460.66
76.5	412.17	413.12	414.03	415.41	416.85	418.35	419.93	421.60	423.37	425.54

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**CANDELA TABULATION - (Cont.)**

77.0	379.84	380.71	381.53	382.74	383.99	385.29	386.65	388.10	389.64	391.57
77.5	348.50	349.21	349.91	351.17	352.50	353.89	355.34	356.85	358.41	360.12
78.0	317.93	318.46	319.02	320.36	321.80	323.32	324.89	326.50	328.12	329.64
78.5	287.75	288.12	288.53	289.79	291.16	292.62	294.14	295.69	297.25	298.63
79.0	258.55	258.79	259.07	260.19	261.42	262.75	264.14	265.56	267.00	268.27
79.5	230.74	230.93	231.15	232.11	233.17	234.32	235.54	236.79	238.06	239.24
80.0	204.49	204.64	204.81	205.60	206.47	207.41	208.41	209.45	210.52	211.60
80.5	180.45	180.58	180.67	181.26	181.90	182.58	183.30	184.06	184.87	185.76
81.0	157.54	157.60	157.60	158.02	158.46	158.93	159.44	159.98	160.58	161.33
81.5	134.43	134.28	134.13	134.44	134.81	135.26	135.76	136.33	136.97	137.77
82.0	112.48	112.19	111.95	112.23	112.61	113.09	113.66	114.31	115.04	115.95
82.5	92.50	92.47	92.46	92.86	93.33	93.87	94.50	95.20	95.97	97.00
83.0	74.73	74.97	75.18	75.63	76.12	76.65	77.22	77.86	78.56	79.60
83.5	59.95	60.09	60.17	60.35	60.53	60.73	60.95	61.22	61.56	62.24
84.0	47.42	47.33	47.17	47.01	46.84	46.66	46.51	46.39	46.33	46.57
84.5	36.46	36.11	35.69	35.34	34.99	34.64	34.32	34.03	33.80	33.78
85.0	27.62	27.05	26.45	25.98	25.52	25.09	24.70	24.34	24.03	23.83
85.5	21.54	20.97	20.36	19.87	19.38	18.91	18.47	18.07	17.71	17.47
86.0	17.17	16.70	16.21	15.78	15.35	14.94	14.54	14.17	13.85	13.65
86.5	13.55	13.31	13.05	12.86	12.68	12.50	12.33	12.17	12.03	11.95
87.0	10.98	10.95	10.90	10.95	11.00	11.04	11.09	11.14	11.18	11.22
87.5	9.61	9.62	9.63	9.69	9.76	9.82	9.89	9.95	10.00	10.05
88.0	8.81	8.79	8.76	8.76	8.77	8.77	8.78	8.79	8.80	8.82
88.5	7.96	7.80	7.63	7.54	7.47	7.41	7.36	7.32	7.28	7.26
89.0	7.23	6.95	6.67	6.52	6.39	6.28	6.18	6.10	6.04	5.98
89.5	6.55	6.33	6.11	6.00	5.89	5.81	5.73	5.67	5.62	5.58
90.0	5.96	5.93	5.89	5.88	5.87	5.86	5.86	5.85	5.85	5.85

**Vert. Horizontal Angles**

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
0.5	18337.82	18337.82	18337.84	18337.85	18337.87	18337.86	18337.86	18337.85	18337.85	18337.86
1.0	18336.73	18336.73	18336.74	18336.76	18336.78	18336.78	18336.78	18336.78	18336.79	18336.81
1.5	18335.13	18335.11	18335.10	18335.11	18335.13	18335.14	18335.17	18335.20	18335.25	18335.31
2.0	18333.09	18333.04	18333.01	18333.00	18333.00	18333.02	18333.05	18333.10	18333.17	18333.25
2.5	18330.79	18330.73	18330.68	18330.63	18330.59	18330.52	18330.47	18330.43	18330.41	18330.42
3.0	18327.91	18327.84	18327.77	18327.70	18327.62	18327.48	18327.36	18327.24	18327.14	18327.07
3.5	18324.12	18324.05	18323.98	18323.91	18323.84	18323.77	18323.71	18323.65	18323.61	18323.58
4.0	18319.66	18319.56	18319.48	18319.41	18319.36	18319.36	18319.36	18319.38	18319.41	18319.44
4.5	18314.62	18314.46	18314.33	18314.21	18314.12	18314.08	18314.07	18314.07	18314.09	18314.11
5.0	18309.07	18308.84	18308.62	18308.44	18308.28	18308.20	18308.15	18308.12	18308.11	18308.11
5.5	18303.22	18302.88	18302.57	18302.28	18302.04	18301.95	18301.90	18301.88	18301.88	18301.89
6.0	18296.77	18296.35	18295.95	18295.59	18295.27	18295.19	18295.15	18295.14	18295.15	18295.16
6.5	18289.37	18288.96	18288.58	18288.24	18287.95	18287.85	18287.79	18287.76	18287.75	18287.73
7.0	18281.35	18280.96	18280.61	18280.30	18280.04	18279.92	18279.84	18279.78	18279.74	18279.69
7.5	18273.07	18272.62	18272.19	18271.81	18271.48	18271.34	18271.25	18271.18	18271.12	18271.05
8.0	18264.14	18263.62	18263.13	18262.68	18262.28	18262.14	18262.04	18261.97	18261.91	18261.84
8.5	18254.16	18253.66	18253.20	18252.78	18252.42	18252.31	18252.26	18252.22	18252.19	18252.14
9.0	18243.48	18243.04	18242.63	18242.26	18241.94	18241.87	18241.83	18241.82	18241.80	18241.76
9.5	18232.43	18232.02	18231.64	18231.30	18230.99	18230.88	18230.80	18230.72	18230.64	18230.53
10.0	18220.71	18220.30	18219.93	18219.57	18219.25	18219.07	18218.91	18218.76	18218.60	18218.42
10.5	18208.09	18207.61	18207.15	18206.72	18206.33	18206.10	18205.89	18205.71	18205.53	18205.35
11.0	18194.68	18194.09	18193.52	18192.99	18192.50	18192.18	18191.91	18191.67	18191.46	18191.27
11.5	18180.57	18179.86	18179.17	18178.51	18177.90	18177.43	18177.02	18176.64	18176.31	18176.02
12.0	18165.58	18164.78	18163.99	18163.23	18162.51	18161.88	18161.29	18160.76	18160.28	18159.85

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**CANDELA TABULATION - (Cont.)**

12.5	18149.54	18148.76	18147.98	18147.21	18146.46	18145.68	18144.93	18144.23	18143.57	18142.98
13.0	18132.50	18131.75	18131.00	18130.24	18129.49	18128.59	18127.70	18126.85	18126.04	18125.31
13.5	18114.43	18113.66	18112.89	18112.13	18111.36	18110.41	18109.47	18108.55	18107.70	18106.90
14.0	18095.31	18094.49	18093.67	18092.86	18092.05	18091.08	18090.12	18089.19	18088.31	18087.50
14.5	18075.12	18074.17	18073.23	18072.32	18071.42	18070.43	18069.46	18068.54	18067.67	18066.87
15.0	18053.87	18052.76	18051.68	18050.63	18049.61	18048.57	18047.59	18046.65	18045.79	18044.99
15.5	18031.70	18030.42	18029.18	18027.96	18026.79	18025.64	18024.55	18023.53	18022.58	18021.72
16.0	18008.20	18006.78	18005.39	18004.03	18002.72	18001.44	18000.23	17999.11	17998.07	17997.14
16.5	17982.94	17981.45	17979.99	17978.57	17977.20	17975.85	17974.57	17973.38	17972.29	17971.32
17.0	17956.22	17954.66	17953.14	17951.67	17950.25	17948.84	17947.51	17946.27	17945.13	17944.12
17.5	17928.29	17926.59	17924.94	17923.35	17921.82	17920.33	17918.93	17917.64	17916.47	17915.44
18.0	17898.95	17897.10	17895.32	17893.60	17891.96	17890.39	17888.93	17887.58	17886.38	17885.32
18.5	17868.12	17866.20	17864.34	17862.55	17860.84	17859.21	17857.69	17856.29	17855.03	17853.92
19.0	17835.63	17833.66	17831.74	17829.89	17828.12	17826.42	17824.83	17823.36	17822.04	17820.87
19.5	17801.31	17799.26	17797.26	17795.33	17793.48	17791.66	17789.96	17788.39	17786.97	17785.73
20.0	17765.09	17762.98	17760.93	17758.94	17757.04	17755.11	17753.31	17751.64	17750.13	17748.82
20.5	17726.82	17724.74	17722.71	17720.76	17718.87	17716.93	17715.09	17713.38	17711.82	17710.46
21.0	17686.58	17684.54	17682.56	17680.65	17678.80	17676.84	17674.97	17673.22	17671.63	17670.21
21.5	17644.61	17642.56	17640.57	17638.64	17636.76	17634.71	17632.76	17630.93	17629.24	17627.75
22.0	17600.32	17598.28	17596.28	17594.33	17592.42	17590.31	17588.27	17586.35	17584.59	17583.03
22.5	17553.14	17551.16	17549.23	17547.34	17545.48	17543.33	17541.26	17539.30	17537.50	17535.91
23.0	17503.30	17501.37	17499.49	17497.65	17495.84	17493.71	17491.65	17489.71	17487.94	17486.38
23.5	17450.90	17448.88	17446.91	17445.01	17443.16	17441.16	17439.26	17437.47	17435.86	17434.43
24.0	17395.79	17393.71	17391.69	17389.75	17387.88	17386.01	17384.25	17382.61	17381.13	17379.82
24.5	17337.96	17336.06	17334.21	17332.42	17330.69	17328.81	17327.01	17325.32	17323.77	17322.39
25.0	17277.04	17275.33	17273.68	17272.07	17270.49	17268.58	17266.73	17264.96	17263.33	17261.87
25.5	17212.65	17210.97	17209.36	17207.79	17206.25	17204.39	17202.58	17200.86	17199.28	17197.87
26.0	17144.78	17143.12	17141.52	17139.98	17138.47	17136.69	17134.96	17133.34	17131.85	17130.54
26.5	17073.29	17071.74	17070.25	17068.80	17067.40	17065.73	17064.13	17062.62	17061.25	17060.04
27.0	16998.18	16996.76	16995.40	16994.07	16992.79	16991.23	16989.74	16988.33	16987.05	16985.94
27.5	16919.59	16918.29	16917.03	16915.80	16914.58	16913.02	16911.52	16910.11	16908.84	16907.75
28.0	16836.95	16835.80	16834.68	16833.57	16832.47	16830.96	16829.50	16828.12	16826.89	16825.86
28.5	16749.64	16748.75	16747.89	16747.05	16746.21	16744.98	16743.79	16742.67	16741.67	16740.84
29.0	16657.93	16657.31	16656.73	16656.17	16655.61	16654.69	16653.78	16652.92	16652.16	16651.52
29.5	16562.11	16561.68	16561.29	16560.89	16560.48	16559.64	16558.80	16558.00	16557.28	16556.69
30.0	16461.51	16461.30	16461.11	16460.89	16460.84	16459.86	16459.07	16458.31	16457.62	16457.07
30.5	16355.56	16355.68	16355.81	16355.91	16355.95	16355.38	16354.78	16354.18	16353.65	16353.24
31.0	16244.30	16244.77	16245.26	16245.71	16246.09	16245.76	16245.37	16244.97	16244.62	16244.38
31.5	16127.46	16128.29	16129.14	16129.94	16130.64	16130.52	16130.30	16130.04	16129.82	16129.67
32.0	16005.40	16006.52	16007.65	16008.73	16009.69	16009.78	16009.76	16009.68	16009.61	16009.61
32.5	15878.76	15879.96	15881.14	15882.27	15883.29	15883.68	15883.98	15884.23	15884.48	15884.77
33.0	15746.45	15747.70	15748.90	15750.05	15751.10	15751.77	15752.37	15752.92	15753.46	15754.03
33.5	15607.45	15608.93	15610.33	15611.64	15612.85	15613.62	15614.29	15614.92	15615.54	15616.18
34.0	15462.04	15463.79	15465.46	15467.02	15468.44	15469.29	15470.04	15470.72	15471.39	15472.09
34.5	15310.23	15312.29	15314.27	15316.12	15317.83	15318.94	15319.92	15320.82	15321.68	15322.55
35.0	15151.72	15154.09	15156.36	15158.51	15160.51	15161.92	15163.19	15164.36	15165.47	15166.56
35.5	14986.21	14988.80	14991.29	14993.65	14995.86	14997.55	14999.11	15000.56	15001.95	15003.29
36.0	14813.75	14816.56	14819.25	14821.80	14824.19	14826.16	14827.99	14829.71	14831.36	14832.95
36.5	14634.36	14637.43	14640.34	14643.10	14645.69	14647.88	14649.91	14651.82	14653.62	14655.36
37.0	14447.90	14451.24	14454.42	14457.42	14460.23	14462.62	14464.85	14466.92	14468.89	14470.76
37.5	14254.65	14258.29	14261.76	14265.06	14268.17	14270.79	14273.22	14275.50	14277.64	14279.69
38.0	14053.40	14057.32	14061.11	14064.73	14068.16	14071.06	14073.78	14076.32	14078.73	14081.02
38.5	13842.25	13846.42	13850.48	13854.40	13858.16	13861.56	13864.78	13867.83	13870.71	13873.43
39.0	13623.55	13627.94	13632.25	13636.44	13640.50	13644.36	13648.05	13651.57	13654.89	13658.02
39.5	13399.83	13404.47	13409.02	13413.45	13417.73	13421.73	13425.56	13429.19	13432.63	13435.87
40.0	13168.64	13173.44	13178.15	13182.74	13187.16	13191.25	13195.15	13198.85	13202.35	13205.66

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**CANDELA TABULATION - (Cont.)**

40.5	12927.95	12932.68	12937.32	12941.85	12946.26	12950.54	12954.68	12958.63	12962.38	12965.91
41.0	12679.00	12683.67	12688.26	12692.76	12697.18	12701.71	12706.12	12710.36	12714.41	12718.21
41.5	12422.34	12427.28	12432.17	12436.98	12441.71	12446.55	12451.26	12455.79	12460.11	12464.16
42.0	12158.07	12163.24	12168.38	12173.48	12178.50	12183.59	12188.54	12193.32	12197.89	12202.18
42.5	11886.47	11891.44	11896.41	11901.38	11906.33	11911.45	11916.50	11921.42	11926.17	11930.71
43.0	11607.59	11612.29	11617.03	11621.81	11626.62	11631.69	11636.74	11641.72	11646.57	11651.26
43.5	11321.68	11326.38	11331.12	11335.90	11340.70	11345.71	11350.68	11355.56	11360.33	11364.92
44.0	11028.38	11033.11	11037.89	11042.70	11047.53	11052.51	11057.44	11062.27	11066.97	11071.48
44.5	10726.70	10731.35	10736.12	10740.97	10745.89	10751.01	10756.11	10761.15	10766.08	10770.83
45.0	10418.85	10423.29	10427.92	10432.70	10437.62	10442.90	10448.24	10453.54	10458.76	10463.82
45.5	10106.64	10110.60	10114.77	10119.14	10123.73	10129.13	10134.64	10140.17	10145.62	10150.88
46.0	9790.22	9793.68	9797.36	9801.29	9805.49	9810.91	9816.52	9822.18	9827.76	9833.16
46.5	9470.10	9473.31	9476.78	9480.54	9484.62	9489.89	9495.38	9500.95	9506.50	9511.89
47.0	9147.03	9149.98	9153.25	9156.86	9160.80	9165.82	9171.07	9176.45	9181.85	9187.15
47.5	8821.24	8823.79	8826.70	8829.98	8833.63	8838.31	8843.25	8848.34	8853.48	8858.55
48.0	8494.72	8496.71	8499.10	8501.90	8505.11	8509.44	8514.08	8518.91	8523.81	8528.67
48.5	8169.02	8170.12	8171.66	8173.67	8176.18	8180.31	8184.85	8189.65	8194.58	8199.49
49.0	7845.68	7845.93	7846.63	7847.85	7849.66	7853.54	7857.92	7862.63	7867.52	7872.42
49.5	7526.58	7526.41	7526.68	7527.46	7528.82	7532.19	7536.07	7540.29	7544.71	7549.16
50.0	7212.32	7211.84	7211.77	7212.19	7213.18	7216.02	7219.34	7223.01	7226.89	7230.82
50.5	6903.88	6902.92	6902.37	6902.32	6902.84	6905.35	6908.37	6911.75	6915.33	6918.98
51.0	6602.00	6600.62	6599.64	6599.15	6599.24	6601.45	6604.17	6607.25	6610.55	6613.90
51.5	6307.69	6306.10	6304.87	6304.09	6303.85	6305.62	6307.87	6310.46	6313.25	6316.08
52.0	6021.13	6019.48	6018.14	6017.21	6016.75	6018.07	6019.81	6021.86	6024.08	6026.35
52.5	5742.33	5740.80	5739.58	5738.72	5738.27	5739.15	5740.39	5741.88	5743.54	5745.24
53.0	5472.81	5471.42	5470.33	5469.57	5469.15	5469.71	5470.56	5471.62	5472.82	5474.07
53.5	5214.40	5212.94	5211.78	5210.93	5210.42	5210.91	5211.67	5212.63	5213.70	5214.80
54.0	4966.25	4964.64	4963.32	4962.32	4961.66	4962.16	4962.95	4963.91	4964.96	4965.99
54.5	4727.84	4725.96	4724.33	4723.02	4722.08	4722.61	4723.44	4724.45	4725.50	4726.48
55.0	4499.90	4498.01	4496.33	4494.92	4493.85	4494.28	4494.98	4495.81	4496.67	4497.40
55.5	4283.76	4282.98	4282.34	4281.80	4281.36	4281.07	4280.83	4280.59	4280.34	4280.03
56.0	4077.11	4077.11	4077.18	4077.25	4077.26	4076.51	4075.66	4074.72	4073.74	4072.75
56.5	3877.17	3875.73	3874.48	3873.44	3872.62	3872.75	3873.04	3873.39	3873.70	3873.87
57.0	3686.80	3683.67	3680.81	3678.38	3676.53	3677.76	3679.46	3681.38	3683.28	3684.89
57.5	3509.74	3506.11	3502.65	3499.61	3497.22	3498.92	3501.19	3503.74	3506.24	3508.39
58.0	3340.65	3337.24	3333.88	3330.83	3328.38	3330.09	3332.36	3334.88	3337.34	3339.45
58.5	3173.68	3171.52	3169.41	3167.50	3165.96	3166.89	3168.16	3169.57	3170.95	3172.10
59.0	3014.15	3013.32	3012.57	3011.90	3011.35	3011.44	3011.62	3011.83	3012.02	3012.14
59.5	2866.94	2866.43	2865.95	2865.51	2865.12	2865.01	2864.93	2864.87	2864.79	2864.67
60.0	2727.56	2727.08	2726.60	2726.14	2725.73	2725.72	2725.74	2725.78	2725.80	2725.76
60.5	2592.63	2592.33	2592.05	2591.82	2591.66	2591.98	2592.36	2592.74	2593.08	2593.34
61.0	2463.56	2463.44	2463.38	2463.40	2463.51	2464.19	2464.94	2465.68	2466.38	2466.96
61.5	2340.82	2340.92	2341.06	2341.25	2341.52	2342.24	2343.00	2343.76	2344.47	2345.08
62.0	2223.85	2224.17	2224.52	2224.91	2225.33	2226.06	2226.80	2227.54	2228.23	2228.84
62.5	2112.15	2112.76	2113.38	2114.03	2114.72	2115.66	2116.60	2117.52	2118.37	2119.12
63.0	2005.94	2006.79	2007.67	2008.56	2009.49	2010.70	2011.91	2013.07	2014.15	2015.10
63.5	1905.12	1906.10	1907.09	1908.12	1909.19	1910.65	1912.11	1913.53	1914.87	1916.07
64.0	1810.11	1811.16	1812.21	1813.31	1814.46	1816.15	1817.85	1819.53	1821.10	1822.53
64.5	1722.16	1723.16	1724.14	1725.16	1726.25	1728.17	1730.13	1732.06	1733.86	1735.47
65.0	1638.74	1639.84	1640.91	1641.99	1643.13	1645.18	1647.25	1649.27	1651.14	1652.79
65.5	1557.05	1558.84	1560.59	1562.32	1564.01	1565.88	1567.68	1569.35	1570.86	1572.16
66.0	1479.14	1481.64	1484.12	1486.52	1488.78	1490.44	1491.91	1493.19	1494.30	1495.24
66.5	1406.92	1409.74	1412.49	1415.12	1417.54	1419.14	1420.51	1421.67	1422.66	1423.51
67.0	1337.89	1340.74	1343.51	1346.12	1348.54	1350.24	1351.72	1353.01	1354.13	1355.11
67.5	1269.56	1272.03	1274.45	1276.80	1279.07	1281.25	1283.31	1285.21	1286.94	1288.48
68.0	1203.69	1205.76	1207.83	1209.91	1212.01	1214.66	1217.26	1219.77	1222.09	1224.16

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**CANDELA TABULATION - (Cont.)**

68.5	1141.40	1143.52	1145.63	1147.74	1149.87	1152.51	1155.11	1157.60	1159.92	1161.99
69.0	1082.08	1084.39	1086.66	1088.91	1091.13	1093.64	1096.07	1098.39	1100.55	1102.48
69.5	1025.55	1028.01	1030.42	1032.79	1035.12	1037.59	1039.98	1042.24	1044.32	1046.20
70.0	971.69	974.30	976.85	979.34	981.77	984.25	986.63	988.86	990.92	992.76
70.5	920.64	923.33	925.98	928.57	931.10	933.67	936.12	938.41	940.52	942.40
71.0	871.55	874.28	876.97	879.62	882.21	884.86	887.38	889.75	891.93	893.86
71.5	823.48	826.14	828.79	831.40	833.96	836.60	839.13	841.51	843.71	845.68
72.0	776.89	779.48	782.06	784.61	787.12	789.71	792.20	794.56	796.74	798.71
72.5	731.77	734.37	736.95	739.50	741.99	744.49	746.89	749.15	751.25	753.15
73.0	688.63	691.24	693.83	696.38	698.86	701.26	703.55	705.70	707.69	709.50
73.5	648.36	651.00	653.61	656.16	658.62	660.95	663.15	665.20	667.09	668.79
74.0	609.66	612.27	614.85	617.36	619.78	622.03	624.15	626.12	627.93	629.55
74.5	571.32	573.72	576.09	578.41	580.65	582.81	584.86	586.79	588.57	590.21
75.0	533.98	536.20	538.39	540.55	542.65	544.73	546.73	548.63	550.42	552.07
75.5	498.13	500.45	502.75	505.02	507.22	509.32	511.31	513.19	514.94	516.54
76.0	463.06	465.48	467.90	470.28	472.59	474.69	476.67	478.52	480.21	481.74
76.5	427.79	430.08	432.39	434.67	436.89	438.90	440.80	442.58	444.22	445.71
77.0	393.58	395.64	397.73	399.80	401.82	403.67	405.44	407.10	408.65	410.08
77.5	361.87	363.63	365.39	367.13	368.83	370.38	371.87	373.29	374.64	375.91
78.0	331.14	332.62	334.07	335.49	336.88	338.17	339.43	340.64	341.81	342.94
78.5	299.99	301.33	302.65	303.95	305.23	306.57	307.88	309.14	310.35	311.50
79.0	269.53	270.78	272.03	273.27	274.51	275.89	277.25	278.57	279.81	280.97
79.5	240.42	241.59	242.76	243.90	245.03	246.18	247.29	248.36	249.37	250.33
80.0	212.69	213.78	214.86	215.91	216.93	217.83	218.68	219.50	220.29	221.05
80.5	186.68	187.62	188.57	189.51	190.45	191.36	192.24	193.09	193.89	194.65
81.0	162.12	162.95	163.80	164.68	165.56	166.50	167.41	168.29	169.13	169.89
81.5	138.62	139.50	140.39	141.29	142.16	142.91	143.62	144.31	144.95	145.57
82.0	116.91	117.89	118.86	119.80	120.69	121.25	121.74	122.20	122.63	123.06
82.5	98.08	99.17	100.25	101.27	102.21	102.74	103.17	103.53	103.84	104.13
83.0	80.68	81.78	82.85	83.86	84.79	85.30	85.70	86.01	86.25	86.42
83.5	62.97	63.72	64.48	65.21	65.89	66.29	66.61	66.87	67.07	67.22
84.0	46.88	47.23	47.61	48.00	48.39	48.65	48.89	49.10	49.29	49.46
84.5	33.81	33.90	34.02	34.18	34.36	34.55	34.75	34.94	35.13	35.30
85.0	23.69	23.60	23.56	23.55	23.59	23.71	23.85	24.01	24.17	24.32
85.5	17.28	17.14	17.04	16.97	16.93	16.93	16.96	17.00	17.04	17.09
86.0	13.49	13.37	13.28	13.20	13.15	13.06	12.99	12.93	12.88	12.83
86.5	11.88	11.83	11.80	11.76	11.74	11.69	11.65	11.61	11.57	11.54
87.0	11.25	11.27	11.30	11.32	11.33	11.36	11.37	11.38	11.39	11.39
87.5	10.09	10.12	10.16	10.19	10.22	10.26	10.30	10.34	10.36	10.37
88.0	8.84	8.86	8.88	8.91	8.93	8.98	9.02	9.06	9.09	9.10
88.5	7.24	7.23	7.22	7.21	7.21	7.22	7.23	7.23	7.23	7.23
89.0	5.93	5.89	5.85	5.83	5.80	5.77	5.74	5.71	5.69	5.67
89.5	5.54	5.51	5.48	5.46	5.44	5.41	5.38	5.35	5.33	5.32
90.0	5.86	5.86	5.87	5.88	5.88	5.88	5.88	5.87	5.87	5.87

**Vert. Angles**      **Horizontal Angles**

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
0.5	18337.86	18337.88	18337.91	18337.94	18337.98	18338.03	18338.09	18338.19	18338.29	18338.39
1.0	18336.83	18336.88	18336.94	18337.01	18337.10	18337.19	18337.29	18337.44	18337.59	18337.74
1.5	18335.39	18335.49	18335.60	18335.72	18335.85	18335.97	18336.11	18336.24	18336.38	18336.50
2.0	18333.35	18333.50	18333.65	18333.81	18333.97	18334.13	18334.29	18334.39	18334.47	18334.56
2.5	18330.45	18330.60	18330.77	18330.95	18331.14	18331.33	18331.51	18331.60	18331.67	18331.72
3.0	18327.04	18327.16	18327.32	18327.49	18327.69	18327.88	18328.05	18328.13	18328.19	18328.23
3.5	18323.58	18323.65	18323.73	18323.83	18323.95	18324.05	18324.16	18324.22	18324.27	18324.32

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**CANDELA TABULATION - (Cont.)**

4.0	18319.48	18319.49	18319.51	18319.52	18319.54	18319.57	18319.60	18319.65	18319.71	18319.78
4.5	18314.13	18314.12	18314.10	18314.09	18314.10	18314.11	18314.14	18314.24	18314.36	18314.48
5.0	18308.11	18308.07	18308.02	18307.99	18307.98	18307.99	18308.02	18308.14	18308.27	18308.43
5.5	18301.90	18301.80	18301.69	18301.58	18301.49	18301.41	18301.36	18301.38	18301.43	18301.51
6.0	18295.17	18295.01	18294.83	18294.65	18294.47	18294.31	18294.17	18294.09	18294.04	18294.04
6.5	18287.71	18287.52	18287.31	18287.09	18286.89	18286.70	18286.55	18286.47	18286.44	18286.46
7.0	18279.63	18279.40	18279.16	18278.91	18278.69	18278.48	18278.30	18278.25	18278.25	18278.29
7.5	18270.97	18270.67	18270.34	18270.01	18269.70	18269.41	18269.17	18269.08	18269.04	18269.07
8.0	18261.74	18261.37	18260.97	18260.55	18260.16	18259.79	18259.48	18259.33	18259.26	18259.27
8.5	18252.06	18251.67	18251.23	18250.79	18250.36	18249.96	18249.61	18249.46	18249.39	18249.41
9.0	18241.68	18241.27	18240.82	18240.36	18239.90	18239.48	18239.13	18238.99	18238.94	18238.97
9.5	18230.38	18229.91	18229.40	18228.88	18228.39	18227.93	18227.55	18227.43	18227.40	18227.47
10.0	18218.20	18217.70	18217.16	18216.63	18216.13	18215.68	18215.31	18215.21	18215.22	18215.33
10.5	18205.15	18204.73	18204.30	18203.88	18203.50	18203.16	18202.90	18202.89	18202.97	18203.13
11.0	18191.08	18190.76	18190.45	18190.16	18189.92	18189.73	18189.60	18189.67	18189.80	18190.00
11.5	18175.76	18175.47	18175.21	18175.00	18174.83	18174.71	18174.66	18174.70	18174.81	18174.98
12.0	18159.48	18159.19	18158.95	18158.76	18158.64	18158.58	18158.57	18158.60	18158.68	18158.83
12.5	18142.47	18142.13	18141.88	18141.71	18141.62	18141.60	18141.64	18141.71	18141.85	18142.06
13.0	18124.66	18124.28	18123.99	18123.80	18123.71	18123.71	18123.79	18123.92	18124.12	18124.40
13.5	18106.20	18105.75	18105.40	18105.16	18105.04	18105.00	18105.07	18105.25	18105.52	18105.88
14.0	18086.77	18086.26	18085.86	18085.56	18085.37	18085.30	18085.33	18085.52	18085.81	18086.21
14.5	18066.15	18065.61	18065.16	18064.81	18064.57	18064.43	18064.41	18064.50	18064.70	18065.02
15.0	18044.28	18043.71	18043.23	18042.85	18042.58	18042.40	18042.33	18042.33	18042.44	18042.67
15.5	18020.97	18020.39	18019.91	18019.55	18019.30	18019.15	18019.12	18019.13	18019.25	18019.50
16.0	17996.33	17995.75	17995.29	17994.96	17994.75	17994.66	17994.68	17994.71	17994.88	17995.17
16.5	17970.47	17969.89	17969.45	17969.14	17968.96	17968.89	17968.94	17968.97	17969.13	17969.42
17.0	17943.26	17942.69	17942.26	17941.97	17941.82	17941.78	17941.86	17941.89	17942.04	17942.32
17.5	17914.56	17914.02	17913.64	17913.40	17913.30	17913.32	17913.45	17913.48	17913.62	17913.90
18.0	17884.43	17883.91	17883.55	17883.34	17883.27	17883.33	17883.49	17883.52	17883.67	17883.96
18.5	17852.98	17852.39	17851.96	17851.70	17851.57	17851.58	17851.71	17851.73	17851.88	17852.19
19.0	17819.86	17819.21	17818.73	17818.41	17818.25	17818.23	17818.33	17818.37	17818.53	17818.86
19.5	17784.68	17784.07	17783.67	17783.44	17783.37	17783.45	17783.66	17783.75	17783.96	17784.33
20.0	17747.73	17747.17	17746.83	17746.68	17746.72	17746.90	17747.21	17747.36	17747.64	17748.06
20.5	17709.32	17708.69	17708.29	17708.10	17708.09	17708.24	17708.53	17708.72	17709.05	17709.54
21.0	17669.01	17668.31	17667.84	17667.58	17667.51	17667.61	17667.87	17668.08	17668.44	17668.98
21.5	17626.47	17625.77	17625.30	17625.05	17624.99	17625.12	17625.41	17625.59	17625.93	17626.47
22.0	17581.70	17581.03	17580.60	17580.40	17580.41	17580.59	17580.93	17581.08	17581.39	17581.90
22.5	17534.58	17534.01	17533.71	17533.64	17533.78	17534.08	17534.53	17534.66	17534.93	17535.38
23.0	17485.08	17484.59	17484.37	17484.38	17484.61	17484.99	17485.50	17485.64	17485.92	17486.38
23.5	17433.24	17432.65	17432.30	17432.17	17432.25	17432.51	17432.93	17433.20	17433.63	17434.26
24.0	17378.72	17378.00	17377.50	17377.21	17377.14	17377.26	17377.57	17377.96	17378.54	17379.35
24.5	17321.22	17320.50	17320.01	17319.73	17319.66	17319.79	17320.13	17320.51	17321.09	17321.89
25.0	17260.63	17259.95	17259.50	17259.29	17259.29	17259.48	17259.86	17260.20	17260.73	17261.48
25.5	17196.68	17196.06	17195.68	17195.52	17195.57	17195.81	17196.22	17196.52	17197.01	17197.72
26.0	17129.44	17128.90	17128.59	17128.50	17128.61	17128.89	17129.34	17129.63	17130.10	17130.79
26.5	17059.03	17058.55	17058.31	17058.26	17058.41	17058.73	17059.20	17059.55	17060.06	17060.78
27.0	16985.02	16984.66	16984.51	16984.56	16984.79	16985.19	16985.73	16986.13	16986.69	16987.44
27.5	16906.90	16906.77	16906.89	16907.21	16907.71	16908.34	16909.09	16909.50	16910.03	16910.70
28.0	16825.07	16825.17	16825.52	16826.08	16826.81	16827.65	16828.56	16828.95	16829.41	16829.98
28.5	16740.21	16740.34	16740.69	16741.21	16741.88	16742.63	16743.45	16743.73	16744.09	16744.58
29.0	16651.05	16651.19	16651.50	16651.95	16652.51	16653.16	16653.86	16654.08	16654.38	16654.81
29.5	16556.27	16556.50	16556.91	16557.46	16558.13	16558.87	16559.67	16559.98	16560.37	16560.88
30.0	16456.69	16457.05	16457.61	16458.31	16459.14	16460.04	16460.97	16461.40	16461.87	16462.46
30.5	16353.00	16353.56	16354.29	16355.16	16356.13	16357.14	16358.17	16358.56	16358.98	16359.49
31.0	16244.29	16245.03	16245.93	16246.95	16248.04	16249.16	16250.25	16250.61	16250.96	16251.38
31.5	16129.68	16130.53	16131.54	16132.66	16133.84	16135.03	16136.18	16136.56	16136.93	16137.34

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**CANDELA TABULATION - (Cont.)**

32.0	16009.73	16010.67	16011.74	16012.91	16014.12	16015.34	16016.51	16016.96	16017.39	16017.84
32.5	15885.14	15886.10	15887.16	15888.28	15889.43	15890.57	15891.67	15892.21	15892.72	15893.27
33.0	15754.64	15755.66	15756.73	15757.83	15758.95	15760.06	15761.13	15761.78	15762.40	15763.05
33.5	15616.89	15618.08	15619.35	15620.66	15621.98	15623.27	15624.53	15625.33	15626.09	15626.83
34.0	15472.86	15474.26	15475.75	15477.28	15478.82	15480.33	15481.77	15482.70	15483.55	15484.35
34.5	15323.48	15324.99	15326.56	15328.16	15329.75	15331.28	15332.74	15333.67	15334.51	15335.29
35.0	15167.68	15169.29	15170.94	15172.58	15174.18	15175.71	15177.13	15178.00	15178.76	15179.46
35.5	15004.65	15006.46	15008.27	15010.04	15011.73	15013.30	15014.72	15015.44	15016.01	15016.49
36.0	14834.52	14836.51	14838.46	14840.35	14842.13	14843.75	14845.18	14845.81	14846.27	14846.61
36.5	14657.05	14659.07	14661.04	14662.93	14664.72	14666.36	14667.84	14668.71	14669.41	14670.00
37.0	14472.56	14474.62	14476.61	14478.52	14480.33	14482.01	14483.54	14484.65	14485.61	14486.44
37.5	14281.66	14283.93	14286.12	14288.20	14290.16	14291.95	14293.55	14294.61	14295.46	14296.15
38.0	14083.22	14085.71	14088.10	14090.35	14092.43	14094.30	14095.94	14096.87	14097.56	14098.05
38.5	13876.00	13878.59	13881.00	13883.22	13885.23	13887.01	13888.53	13889.44	13890.10	13890.56
39.0	13660.93	13663.60	13666.04	13668.23	13670.17	13671.86	13673.27	13674.19	13674.87	13675.32
39.5	13438.89	13441.75	13444.37	13446.74	13448.85	13450.66	13452.18	13453.11	13453.74	13454.13
40.0	13208.76	13211.78	13214.56	13217.09	13219.35	13221.30	13222.94	13223.93	13224.60	13224.99
40.5	12969.21	12972.18	12974.88	12977.32	12979.48	12981.36	12982.96	12984.20	12985.16	12985.83
41.0	12721.74	12724.67	12727.30	12729.64	12731.70	12733.49	12735.03	12736.52	12737.75	12738.69
41.5	12467.92	12471.01	12473.76	12476.19	12478.32	12480.16	12481.72	12483.23	12484.45	12485.35
42.0	12206.17	12209.52	12212.53	12215.19	12217.51	12219.50	12221.16	12222.63	12223.75	12224.51
42.5	11934.97	11938.76	11942.22	11945.34	11948.09	11950.46	11952.43	11953.88	11954.91	11955.53
43.0	11655.73	11659.88	11663.72	11667.22	11670.34	11673.05	11675.30	11676.74	11677.71	11678.22
43.5	11369.29	11373.36	11377.12	11380.55	11383.62	11386.27	11388.48	11389.94	11390.92	11391.46
44.0	11075.77	11079.70	11083.33	11086.63	11089.57	11092.12	11094.26	11095.76	11096.81	11097.43
44.5	10775.36	10779.51	10783.35	10786.85	10789.98	10792.71	10794.99	10796.62	10797.77	10798.46
45.0	10468.65	10472.97	10476.96	10480.60	10483.85	10486.69	10489.09	10490.91	10492.24	10493.08
45.5	10155.87	10159.88	10163.51	10166.77	10169.66	10172.19	10174.37	10176.51	10178.25	10179.53
46.0	9838.23	9841.94	9845.23	9848.15	9850.71	9852.97	9854.94	9857.33	9859.40	9861.05
46.5	9517.01	9520.96	9524.51	9527.70	9530.53	9533.01	9535.17	9537.47	9539.38	9540.84
47.0	9192.24	9196.44	9200.30	9203.81	9206.97	9209.74	9212.13	9214.29	9216.01	9217.23
47.5	8863.44	8867.49	8871.24	8874.67	8877.78	8880.55	8882.96	8885.21	8887.03	8888.40
48.0	8533.36	8537.13	8540.63	8543.84	8546.78	8549.43	8551.81	8554.22	8556.29	8557.95
48.5	8204.23	8207.75	8210.98	8213.94	8216.67	8219.16	8221.45	8224.17	8226.61	8228.68
49.0	7877.15	7880.39	7883.34	7886.05	7888.54	7890.85	7893.03	7896.00	7898.75	7901.16
49.5	7553.50	7556.46	7559.18	7561.69	7564.04	7566.24	7568.35	7571.27	7574.01	7576.44
50.0	7234.67	7237.32	7239.78	7242.06	7244.22	7246.27	7248.23	7250.98	7253.56	7255.86
50.5	6922.55	6924.81	6926.88	6928.79	6930.57	6932.26	6933.90	6936.37	6938.71	6940.80
51.0	6617.15	6619.00	6620.63	6622.10	6623.46	6624.75	6626.01	6628.19	6630.27	6632.17
51.5	6318.82	6320.16	6321.32	6322.35	6323.30	6324.23	6325.20	6327.25	6329.28	6331.16
52.0	6028.53	6029.44	6030.19	6030.84	6031.46	6032.09	6032.79	6034.63	6036.47	6038.21
52.5	5746.90	5747.65	5748.28	5748.84	5749.34	5749.83	5750.33	5751.49	5752.63	5753.66
53.0	5475.30	5475.92	5476.45	5476.90	5477.27	5477.59	5477.85	5478.30	5478.68	5478.95
53.5	5215.84	5216.16	5216.36	5216.45	5216.44	5216.35	5216.21	5216.24	5216.20	5216.06
54.0	4966.91	4966.83	4966.57	4966.17	4965.66	4965.08	4964.46	4964.23	4963.96	4963.63
54.5	4727.26	4726.55	4725.59	4724.45	4723.22	4721.97	4720.76	4720.45	4720.21	4719.98
55.0	4497.90	4496.71	4495.25	4493.62	4491.92	4490.24	4488.68	4488.31	4488.09	4487.95
55.5	4279.64	4278.79	4277.85	4276.86	4275.82	4274.78	4273.75	4273.06	4272.38	4271.70
56.0	4071.78	4071.16	4070.58	4070.01	4069.43	4068.83	4068.19	4067.37	4066.50	4065.56
56.5	3873.81	3872.27	3870.50	3868.60	3866.69	3864.86	3863.22	3863.14	3863.23	3863.37
57.0	3685.98	3683.37	3680.24	3676.82	3673.35	3670.10	3667.29	3668.07	3669.29	3670.71
57.5	3509.88	3506.78	3503.03	3498.94	3494.81	3490.96	3487.69	3488.96	3490.80	3492.90
58.0	3340.90	3337.85	3334.16	3330.13	3326.07	3322.29	3319.09	3320.41	3322.30	3324.45
58.5	3172.85	3170.90	3168.55	3165.97	3163.35	3160.85	3158.65	3159.09	3159.82	3160.65
59.0	3012.12	3011.37	3010.47	3009.46	3008.38	3007.27	3006.17	3005.64	3005.10	3004.50
59.5	2864.48	2864.00	2863.44	2862.79	2862.08	2861.30	2860.47	2859.76	2858.97	2858.10

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**CANDELA TABULATION - (Cont.)**

60.0	2725.65	2725.17	2724.60	2723.94	2723.21	2722.42	2721.59	2720.93	2720.21	2719.42
60.5	2593.48	2593.06	2592.50	2591.81	2591.03	2590.18	2589.28	2588.62	2587.92	2587.14
61.0	2467.37	2467.02	2466.49	2465.80	2464.99	2464.10	2463.16	2462.56	2461.92	2461.22
61.5	2345.55	2345.43	2345.14	2344.71	2344.18	2343.55	2342.85	2342.40	2341.89	2341.28
62.0	2229.34	2229.44	2229.41	2229.26	2229.01	2228.65	2228.21	2227.88	2227.45	2226.91
62.5	2119.75	2119.95	2120.00	2119.91	2119.70	2119.37	2118.94	2118.58	2118.12	2117.53
63.0	2015.89	2016.18	2016.28	2016.21	2015.98	2015.61	2015.11	2014.58	2013.93	2013.17
63.5	1917.09	1917.59	1917.87	1917.93	1917.78	1917.41	1916.83	1915.85	1914.71	1913.43
64.0	1823.76	1824.39	1824.76	1824.87	1824.71	1824.28	1823.58	1822.21	1820.64	1818.94
64.5	1736.81	1737.17	1737.22	1736.96	1736.44	1735.67	1734.69	1733.39	1731.96	1730.43
65.0	1654.11	1654.25	1654.03	1653.51	1652.74	1651.76	1650.63	1649.57	1648.43	1647.22
65.5	1573.22	1573.60	1573.72	1573.60	1573.26	1572.72	1572.02	1571.19	1570.23	1569.17
66.0	1496.03	1496.77	1497.36	1497.77	1497.99	1498.02	1497.84	1497.20	1496.37	1495.37
66.5	1424.25	1425.28	1426.20	1426.96	1427.54	1427.89	1427.99	1427.30	1426.37	1425.24
67.0	1355.98	1357.14	1358.18	1359.06	1359.75	1360.20	1360.39	1359.72	1358.81	1357.70
67.5	1289.80	1290.65	1291.28	1291.70	1291.93	1291.98	1291.88	1291.74	1291.46	1291.04
68.0	1225.91	1226.44	1226.64	1226.58	1226.34	1225.99	1225.59	1225.97	1226.31	1226.56
68.5	1163.76	1164.39	1164.71	1164.78	1164.66	1164.43	1164.13	1164.51	1164.84	1165.07
69.0	1104.15	1104.98	1105.54	1105.87	1106.02	1106.02	1105.91	1106.16	1106.31	1106.35
69.5	1047.83	1048.75	1049.42	1049.87	1050.13	1050.23	1050.22	1050.44	1050.55	1050.52
70.0	994.37	995.33	996.05	996.55	996.86	997.02	997.04	997.27	997.37	997.33
70.5	944.03	944.94	945.60	946.04	946.29	946.38	946.37	946.63	946.79	946.81
71.0	895.52	896.39	896.99	897.36	897.54	897.58	897.52	897.84	898.07	898.17
71.5	847.38	848.29	848.95	849.37	849.61	849.71	849.70	850.04	850.30	850.43
72.0	800.42	801.41	802.14	802.66	803.00	803.20	803.29	803.67	803.95	804.12
72.5	754.82	755.86	756.67	757.29	757.74	758.06	758.27	758.77	759.16	759.44
73.0	711.10	712.17	713.03	713.72	714.25	714.67	714.98	715.57	716.05	716.41
73.5	670.29	671.33	672.16	672.82	673.34	673.73	674.02	674.53	674.94	675.22
74.0	630.98	631.98	632.79	633.43	633.92	634.29	634.56	635.00	635.34	635.55
74.5	591.67	592.73	593.62	594.36	594.97	595.46	595.86	596.44	596.92	597.27
75.0	553.56	554.67	555.63	556.46	557.16	557.75	558.26	558.96	559.56	560.03
75.5	517.97	519.00	519.86	520.58	521.18	521.66	522.05	522.63	523.10	523.47
76.0	483.09	484.03	484.79	485.40	485.88	486.24	486.52	486.95	487.30	487.54
76.5	447.04	447.98	448.76	449.39	449.91	450.33	450.68	451.18	451.60	451.94
77.0	411.38	412.36	413.21	413.94	414.57	415.11	415.57	416.17	416.69	417.12
77.5	377.10	378.21	379.22	380.15	380.98	381.71	382.33	382.85	383.26	383.56
78.0	344.03	345.18	346.28	347.31	348.25	349.09	349.81	350.29	350.63	350.85
78.5	312.58	313.45	314.24	314.96	315.61	316.21	316.76	317.45	318.08	318.61
79.0	282.01	282.60	283.08	283.49	283.86	284.21	284.58	285.47	286.36	287.21
79.5	251.22	251.87	252.47	253.01	253.51	254.00	254.49	255.27	256.03	256.74
80.0	221.78	222.52	223.24	223.93	224.59	225.22	225.82	226.46	227.06	227.59
80.5	195.36	195.86	196.32	196.75	197.16	197.58	198.01	198.76	199.51	200.23
81.0	170.58	170.89	171.13	171.33	171.52	171.74	172.01	172.80	173.63	174.46
81.5	146.16	146.71	147.23	147.72	148.18	148.62	149.03	149.43	149.80	150.15
82.0	123.52	124.28	125.06	125.82	126.53	127.17	127.71	127.73	127.66	127.54
82.5	104.40	104.89	105.37	105.84	106.28	106.68	107.02	107.10	107.13	107.13
83.0	86.54	86.67	86.78	86.88	86.97	87.08	87.20	87.49	87.79	88.09
83.5	67.33	67.34	67.34	67.35	67.38	67.46	67.61	68.14	68.73	69.34
84.0	49.60	49.57	49.54	49.53	49.56	49.66	49.86	50.57	51.35	52.16
84.5	35.44	35.38	35.31	35.25	35.22	35.26	35.37	35.95	36.58	37.24
85.0	24.44	24.38	24.29	24.21	24.14	24.12	24.14	24.50	24.89	25.30
85.5	17.14	17.09	17.04	16.99	16.96	16.96	16.99	17.21	17.46	17.72
86.0	12.80	12.77	12.76	12.75	12.77	12.80	12.85	12.96	13.08	13.22
86.5	11.51	11.49	11.47	11.46	11.45	11.45	11.46	11.49	11.52	11.55
87.0	11.39	11.36	11.32	11.28	11.23	11.19	11.14	11.10	11.06	11.03
87.5	10.36	10.30	10.23	10.14	10.04	9.93	9.83	9.73	9.63	9.54



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**CANDELA TABULATION - (Cont.)**

<b>88.0</b>	9.09	9.01	8.90	8.79	8.66	8.52	8.39	8.26	8.15	8.04
<b>88.5</b>	7.21	7.17	7.11	7.05	6.98	6.92	6.85	6.78	6.72	6.67
<b>89.0</b>	5.65	5.65	5.65	5.65	5.66	5.67	5.68	5.68	5.69	5.70
<b>89.5</b>	5.30	5.31	5.33	5.35	5.37	5.39	5.42	5.44	5.46	5.48
<b>90.0</b>	5.87	5.87	5.88	5.88	5.89	5.89	5.90	5.90	5.90	5.90

**Vert. Horizontal Angles**

	<u><b>175.0</b></u>	<u><b>177.5</b></u>	<u><b>180.0</b></u>	<u><b>182.5</b></u>	<u><b>185.0</b></u>	<u><b>187.5</b></u>	<u><b>190.0</b></u>	<u><b>192.5</b></u>	<u><b>195.0</b></u>	<u><b>197.5</b></u>
<b>0.0</b>	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
<b>0.5</b>	18338.49	18338.58	18338.65	18338.58	18338.49	18338.39	18338.29	18338.19	18338.09	18338.03
<b>1.0</b>	18337.88	18338.01	18338.12	18338.01	18337.88	18337.74	18337.59	18337.44	18337.29	18337.19
<b>1.5</b>	18336.62	18336.73	18336.83	18336.73	18336.62	18336.50	18336.38	18336.24	18336.11	18335.97
<b>2.0</b>	18334.63	18334.70	18334.77	18334.70	18334.63	18334.56	18334.47	18334.39	18334.29	18334.13
<b>2.5</b>	18331.77	18331.81	18331.85	18331.81	18331.77	18331.72	18331.67	18331.60	18331.51	18331.33
<b>3.0</b>	18328.26	18328.28	18328.30	18328.28	18328.26	18328.23	18328.19	18328.13	18328.05	18327.88
<b>3.5</b>	18324.36	18324.39	18324.41	18324.39	18324.36	18324.32	18324.27	18324.22	18324.16	18324.05
<b>4.0</b>	18319.84	18319.90	18319.96	18319.90	18319.84	18319.78	18319.71	18319.65	18319.60	18319.57
<b>4.5</b>	18314.60	18314.73	18314.85	18314.73	18314.60	18314.48	18314.36	18314.24	18314.14	18314.11
<b>5.0</b>	18308.60	18308.77	18308.94	18308.77	18308.60	18308.43	18308.27	18308.14	18308.02	18307.99
<b>5.5</b>	18301.62	18301.75	18301.92	18301.75	18301.62	18301.51	18301.43	18301.38	18301.36	18301.41
<b>6.0</b>	18294.08	18294.17	18294.32	18294.17	18294.08	18294.04	18294.04	18294.09	18294.17	18294.31
<b>6.5</b>	18286.51	18286.62	18286.78	18286.62	18286.51	18286.46	18286.44	18286.47	18286.55	18286.70
<b>7.0</b>	18278.38	18278.52	18278.70	18278.52	18278.38	18278.29	18278.25	18278.25	18278.30	18278.48
<b>7.5</b>	18269.16	18269.32	18269.54	18269.32	18269.16	18269.07	18269.04	18269.08	18269.17	18269.41
<b>8.0</b>	18259.37	18259.54	18259.81	18259.54	18259.37	18259.27	18259.26	18259.33	18259.48	18259.79
<b>8.5</b>	18249.52	18249.71	18249.99	18249.71	18249.52	18249.41	18249.39	18249.46	18249.61	18249.96
<b>9.0</b>	18239.10	18239.31	18239.61	18239.31	18239.10	18238.97	18238.94	18238.99	18239.13	18239.48
<b>9.5</b>	18227.63	18227.89	18228.24	18227.89	18227.63	18227.47	18227.40	18227.43	18227.55	18227.93
<b>10.0</b>	18215.54	18215.84	18216.24	18215.84	18215.54	18215.33	18215.22	18215.21	18215.31	18215.68
<b>10.5</b>	18203.38	18203.70	18204.08	18203.70	18203.38	18203.13	18202.97	18202.89	18202.90	18203.16
<b>11.0</b>	18190.26	18190.58	18190.94	18190.58	18190.26	18190.00	18189.80	18189.67	18189.60	18189.73
<b>11.5</b>	18175.22	18175.53	18175.90	18175.53	18175.22	18174.98	18174.81	18174.70	18174.66	18174.71
<b>12.0</b>	18159.06	18159.36	18159.75	18159.36	18159.06	18158.83	18158.68	18158.60	18158.57	18158.58
<b>12.5</b>	18142.34	18142.69	18143.13	18142.69	18142.34	18142.06	18141.85	18141.71	18141.64	18141.60
<b>13.0</b>	18124.76	18125.19	18125.69	18125.19	18124.76	18124.40	18124.12	18123.92	18123.79	18123.71
<b>13.5</b>	18106.32	18106.84	18107.43	18106.84	18106.32	18105.88	18105.52	18105.25	18105.07	18105.00
<b>14.0</b>	18086.70	18087.29	18087.96	18087.29	18086.70	18086.21	18085.81	18085.52	18085.33	18085.30
<b>14.5</b>	18065.46	18066.00	18066.67	18066.00	18065.46	18065.02	18064.70	18064.50	18064.41	18064.43
<b>15.0</b>	18043.03	18043.54	18044.20	18043.54	18043.03	18042.67	18042.44	18042.33	18042.33	18042.40
<b>15.5</b>	18019.89	18020.44	18021.15	18020.44	18019.89	18019.50	18019.25	18019.13	18019.12	18019.15
<b>16.0</b>	17995.61	17996.21	17996.98	17996.21	17995.61	17995.17	17994.88	17994.71	17994.68	17994.66
<b>16.5</b>	17969.87	17970.48	17971.27	17970.48	17969.87	17969.42	17969.13	17968.97	17968.94	17968.89
<b>17.0</b>	17942.76	17943.38	17944.18	17943.38	17942.76	17942.32	17942.04	17941.89	17941.86	17941.78
<b>17.5</b>	17914.34	17914.96	17915.77	17914.96	17914.34	17913.90	17913.62	17913.48	17913.45	17913.32
<b>18.0</b>	17884.40	17885.03	17885.86	17885.03	17884.40	17883.96	17883.67	17883.52	17883.49	17883.33
<b>18.5</b>	17852.66	17853.31	17854.19	17853.31	17852.66	17852.19	17851.88	17851.73	17851.71	17851.58
<b>19.0</b>	17819.36	17820.06	17820.98	17820.06	17819.36	17818.86	17818.53	17818.37	17818.33	17818.23
<b>19.5</b>	17784.88	17785.62	17786.58	17785.62	17784.88	17784.33	17783.96	17783.75	17783.66	17783.45
<b>20.0</b>	17748.66	17749.45	17750.46	17749.45	17748.66	17748.06	17747.64	17747.36	17747.21	17746.90
<b>20.5</b>	17710.21	17711.09	17712.19	17711.09	17710.21	17709.54	17709.05	17708.72	17708.53	17708.24
<b>21.0</b>	17669.72	17670.68	17671.87	17670.68	17669.72	17668.98	17668.44	17668.08	17667.87	17667.61
<b>21.5</b>	17627.22	17628.21	17629.45	17628.21	17627.22	17626.47	17625.93	17625.59	17625.41	17625.12
<b>22.0</b>	17582.63	17583.63	17584.90	17583.63	17582.63	17581.90	17581.39	17581.08	17580.93	17580.59
<b>22.5</b>	17536.07	17537.02	17538.27	17537.02	17536.07	17535.38	17534.93	17534.66	17534.53	17534.08
<b>23.0</b>	17487.06	17488.00	17489.25	17488.00	17487.06	17486.38	17485.92	17485.64	17485.50	17484.99

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**CANDELA TABULATION - (Cont.)**

23.5	17435.12	17436.23	17437.63	17436.23	17435.12	17434.26	17433.63	17433.20	17432.93	17432.51
24.0	17380.39	17381.68	17383.22	17381.68	17380.39	17379.35	17378.54	17377.96	17377.57	17377.26
24.5	17322.93	17324.23	17325.80	17324.23	17322.93	17321.89	17321.09	17320.51	17320.13	17319.79
25.0	17262.47	17263.73	17265.28	17263.73	17262.47	17261.48	17260.73	17260.20	17259.86	17259.48
25.5	17198.69	17199.93	17201.47	17199.93	17198.69	17197.72	17197.01	17196.52	17196.22	17195.81
26.0	17131.72	17132.95	17134.49	17132.95	17131.72	17130.79	17130.10	17129.63	17129.34	17128.89
26.5	17061.74	17062.96	17064.47	17062.96	17061.74	17060.78	17060.06	17059.55	17059.20	17058.73
27.0	16988.39	16989.59	16991.05	16989.59	16988.39	16987.44	16986.69	16986.13	16985.73	16985.19
27.5	16911.56	16912.64	16913.99	16912.64	16911.56	16910.70	16910.03	16909.50	16909.09	16908.34
28.0	16830.73	16831.70	16832.93	16831.70	16830.73	16829.98	16829.41	16828.95	16828.56	16827.65
28.5	16745.25	16746.14	16747.33	16746.14	16745.25	16744.58	16744.09	16743.73	16743.45	16742.63
29.0	16655.43	16656.30	16657.47	16656.30	16655.43	16654.81	16654.38	16654.08	16653.86	16653.16
29.5	16561.56	16562.47	16563.66	16562.47	16561.56	16560.88	16560.37	16559.98	16559.67	16558.87
30.0	16463.19	16464.13	16465.33	16464.13	16463.19	16462.46	16461.87	16461.40	16460.97	16460.04
30.5	16360.13	16360.98	16362.08	16360.98	16360.13	16359.49	16358.98	16358.56	16358.17	16357.14
31.0	16251.92	16252.65	16253.65	16252.65	16251.92	16251.38	16250.96	16250.61	16250.25	16249.16
31.5	16137.87	16138.58	16139.53	16138.58	16137.87	16137.34	16136.93	16136.56	16136.18	16135.03
32.0	16018.40	16019.12	16020.06	16019.12	16018.40	16017.84	16017.39	16016.96	16016.51	16015.34
32.5	15893.90	15894.67	15895.62	15894.67	15893.90	15893.27	15892.72	15892.21	15891.67	15890.57
33.0	15763.77	15764.58	15765.54	15764.58	15763.77	15763.05	15762.40	15761.78	15761.13	15760.06
33.5	15627.61	15628.43	15629.35	15628.43	15627.61	15626.83	15626.09	15625.33	15624.53	15623.27
34.0	15485.14	15485.95	15486.81	15485.95	15485.14	15484.35	15483.55	15482.70	15481.77	15480.33
34.5	15336.04	15336.80	15337.60	15336.80	15336.04	15335.29	15334.51	15333.67	15332.74	15331.28
35.0	15180.12	15180.79	15181.50	15180.79	15180.12	15179.46	15178.76	15178.00	15177.13	15175.71
35.5	15016.93	15017.38	15017.89	15017.38	15016.93	15016.49	15016.01	15015.44	15014.72	15013.30
36.0	14846.90	14847.20	14847.55	14847.20	14846.90	14846.61	14846.27	14845.81	14845.18	14843.75
36.5	14670.51	14670.98	14671.46	14670.98	14670.51	14670.00	14669.41	14668.71	14667.84	14666.36
37.0	14487.17	14487.81	14488.40	14487.81	14487.17	14486.44	14485.61	14484.65	14483.54	14482.01
37.5	14296.71	14297.16	14297.53	14297.16	14296.71	14296.15	14295.46	14294.61	14293.55	14291.95
38.0	14098.38	14098.57	14098.68	14098.57	14098.38	14098.05	14097.56	14096.87	14095.94	14094.30
38.5	13890.84	13890.98	13891.01	13890.98	13890.84	13890.56	13890.10	13889.44	13888.53	13887.01
39.0	13675.59	13675.70	13675.68	13675.70	13675.59	13675.32	13674.87	13674.19	13673.27	13671.86
39.5	13454.29	13454.27	13454.08	13454.27	13454.29	13454.13	13453.74	13453.11	13452.18	13450.66
40.0	13225.12	13225.02	13224.72	13225.02	13225.12	13224.99	13224.60	13223.93	13222.94	13221.30
40.5	12986.21	12986.32	12986.14	12986.32	12986.21	12985.83	12985.16	12984.20	12982.96	12981.36
41.0	12739.31	12739.61	12739.56	12739.61	12739.31	12738.69	12737.75	12736.52	12735.03	12733.49
41.5	12485.91	12486.11	12485.92	12486.11	12485.91	12485.35	12484.45	12483.23	12481.72	12480.16
42.0	12224.91	12224.91	12224.51	12224.91	12224.91	12224.51	12223.75	12222.63	12221.16	12219.50
42.5	11955.74	11955.54	11954.92	11955.54	11955.74	11955.53	11954.91	11953.88	11952.43	11950.46
43.0	11678.29	11677.93	11677.15	11677.93	11678.29	11678.22	11677.71	11676.74	11675.30	11673.05
43.5	11391.55	11391.22	11390.48	11391.22	11391.55	11391.46	11390.92	11389.94	11388.48	11386.27
44.0	11097.61	11097.37	11096.69	11097.37	11097.61	11097.43	11096.81	11095.76	11094.26	11092.12
44.5	10798.67	10798.41	10797.67	10798.41	10798.67	10798.46	10797.77	10796.62	10794.99	10792.71
45.0	10493.41	10493.21	10492.48	10493.21	10493.41	10493.08	10492.24	10490.91	10489.09	10486.69
45.5	10180.31	10180.52	10180.13	10180.52	10180.31	10179.53	10178.25	10176.51	10174.37	10172.19
46.0	9862.19	9862.76	9862.66	9862.76	9862.19	9861.05	9859.40	9857.33	9854.94	9852.97
46.5	9541.77	9542.10	9541.77	9542.10	9541.77	9540.84	9539.38	9537.47	9535.17	9533.01
47.0	9217.90	9217.99	9217.44	9217.99	9217.90	9217.23	9216.01	9214.29	9212.13	9209.74
47.5	8889.27	8889.58	8889.29	8889.58	8889.27	8888.40	8887.03	8885.21	8882.96	8880.55
48.0	8559.16	8559.85	8559.96	8559.85	8559.16	8557.95	8556.29	8554.22	8551.81	8549.43
48.5	8230.30	8231.38	8231.82	8231.38	8230.30	8228.68	8226.61	8224.17	8221.45	8219.16
49.0	7903.12	7904.51	7905.21	7904.51	7903.12	7901.16	7898.75	7896.00	7893.03	7890.85
49.5	7578.44	7579.89	7580.67	7579.89	7578.44	7576.44	7574.01	7571.27	7568.35	7566.24
50.0	7257.76	7259.15	7259.93	7259.15	7257.76	7255.86	7253.56	7250.98	7248.23	7246.27
50.5	6942.55	6943.83	6944.54	6943.83	6942.55	6940.80	6938.71	6936.37	6933.90	6932.26
51.0	6633.75	6634.93	6635.58	6634.93	6633.75	6632.17	6630.27	6628.19	6626.01	6624.75

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**CANDELA TABULATION - (Cont.)**

51.5	6332.78	6334.02	6334.77	6334.02	6332.78	6331.16	6329.28	6327.25	6325.20	6324.23
52.0	6039.73	6040.92	6041.66	6040.92	6039.73	6038.21	6036.47	6034.63	6032.79	6032.09
52.5	5754.52	5755.13	5755.42	5755.13	5754.52	5753.66	5752.63	5751.49	5750.33	5749.83
53.0	5479.08	5479.05	5478.81	5479.05	5479.08	5478.95	5478.68	5478.30	5477.85	5477.59
53.5	5215.81	5215.42	5214.86	5215.42	5215.81	5216.06	5216.20	5216.24	5216.21	5216.35
54.0	4963.20	4962.64	4961.93	4962.64	4963.20	4963.63	4963.96	4964.23	4964.46	4965.08
54.5	4719.72	4719.36	4718.85	4719.36	4719.72	4719.98	4720.21	4720.45	4720.76	4721.97
55.0	4487.81	4487.61	4487.27	4487.61	4487.81	4487.95	4488.09	4488.31	4488.68	4490.24
55.5	4271.00	4270.25	4269.43	4270.25	4271.00	4271.70	4272.38	4273.06	4273.75	4274.78
56.0	4064.55	4063.48	4062.34	4063.48	4064.55	4065.56	4066.50	4067.37	4068.19	4068.83
56.5	3863.46	3863.37	3862.98	3863.37	3863.46	3863.37	3863.23	3863.14	3863.22	3864.86
57.0	3672.08	3673.16	3673.69	3673.16	3672.08	3670.71	3669.29	3668.07	3667.29	3670.10
57.5	3494.95	3496.64	3497.65	3496.64	3494.95	3492.90	3490.80	3488.96	3487.69	3490.96
58.0	3326.53	3328.24	3329.26	3328.24	3326.53	3324.45	3322.30	3320.41	3319.09	3322.29
58.5	3161.40	3161.87	3161.87	3161.87	3161.40	3160.65	3159.82	3159.09	3158.65	3160.85
59.0	3003.79	3002.93	3001.85	3002.93	3003.79	3004.50	3005.10	3005.64	3006.17	3007.27
59.5	2857.11	2856.00	2854.73	2856.00	2857.11	2858.10	2858.97	2859.76	2860.47	2861.30
60.0	2718.52	2717.49	2716.32	2717.49	2718.52	2719.42	2720.21	2720.93	2721.59	2722.42
60.5	2586.28	2585.30	2584.18	2585.30	2586.28	2587.14	2587.92	2588.62	2589.28	2590.18
61.0	2460.43	2459.52	2458.47	2459.52	2460.43	2461.22	2461.92	2462.56	2463.16	2464.10
61.5	2340.56	2339.70	2338.67	2339.70	2340.56	2341.28	2341.89	2342.40	2342.85	2343.55
62.0	2226.22	2225.37	2224.33	2225.37	2226.22	2226.91	2227.45	2227.88	2228.21	2228.65
62.5	2116.81	2115.93	2114.88	2115.93	2116.81	2117.53	2118.12	2118.58	2118.94	2119.37
63.0	2012.29	2011.28	2010.15	2011.28	2012.29	2013.17	2013.93	2014.58	2015.11	2015.61
63.5	1912.06	1910.64	1909.20	1910.64	1912.06	1913.43	1914.71	1915.85	1916.83	1917.41
64.0	1817.17	1815.41	1813.72	1815.41	1817.17	1818.94	1820.64	1822.21	1823.58	1824.28
64.5	1728.86	1727.29	1725.77	1727.29	1728.86	1730.43	1731.96	1733.39	1734.69	1735.67
65.0	1645.97	1644.69	1643.40	1644.69	1645.97	1647.22	1648.43	1649.57	1650.63	1651.76
65.5	1568.02	1566.80	1565.53	1566.80	1568.02	1569.17	1570.23	1571.19	1572.02	1572.72
66.0	1494.25	1493.01	1491.70	1493.01	1494.25	1495.37	1496.37	1497.20	1497.84	1498.02
66.5	1423.98	1422.62	1421.22	1422.62	1423.98	1425.24	1426.37	1427.30	1427.99	1427.89
67.0	1356.45	1355.11	1353.75	1355.11	1356.45	1357.70	1358.81	1359.72	1360.39	1360.20
67.5	1290.47	1289.75	1288.88	1289.75	1290.47	1291.04	1291.46	1291.74	1291.88	1291.98
68.0	1226.66	1226.54	1226.16	1226.54	1226.66	1226.56	1226.31	1225.97	1225.59	1225.99
68.5	1165.15	1165.03	1164.65	1165.03	1165.15	1165.07	1164.84	1164.51	1164.13	1164.43
69.0	1106.23	1105.93	1105.42	1105.93	1106.23	1106.35	1106.31	1106.16	1105.91	1106.02
69.5	1050.33	1049.96	1049.38	1049.96	1050.33	1050.52	1050.55	1050.44	1050.22	1050.23
70.0	997.12	996.72	996.10	996.72	997.12	997.33	997.37	997.27	997.04	997.02
70.5	946.67	946.34	945.78	946.34	946.67	946.81	946.79	946.63	946.37	946.38
71.0	898.12	897.88	897.41	897.88	898.12	898.17	898.07	897.84	897.52	897.58
71.5	850.41	850.22	849.82	850.22	850.41	850.43	850.30	850.04	849.70	849.71
72.0	804.14	803.99	803.66	803.99	804.14	804.12	803.95	803.67	803.29	803.20
72.5	759.56	759.49	759.22	759.49	759.56	759.44	759.16	758.77	758.27	758.06
73.0	716.60	716.59	716.36	716.59	716.60	716.41	716.05	715.57	714.98	714.67
73.5	675.34	675.28	675.01	675.28	675.34	675.22	674.94	674.53	674.02	673.73
74.0	635.62	635.51	635.21	635.51	635.62	635.55	635.34	635.00	634.56	634.29
74.5	597.46	597.47	597.28	597.47	597.46	597.27	596.92	596.44	595.86	595.46
75.0	560.34	560.47	560.38	560.47	560.34	560.03	559.56	558.96	558.26	557.75
75.5	523.69	523.75	523.63	523.75	523.69	523.47	523.10	522.63	522.05	521.66
76.0	487.67	487.66	487.50	487.66	487.67	487.54	487.30	486.95	486.52	486.24
76.5	452.16	452.26	452.21	452.26	452.16	451.94	451.60	451.18	450.68	450.33
77.0	417.43	417.61	417.65	417.61	417.43	417.12	416.69	416.17	415.57	415.11
77.5	383.73	383.77	383.69	383.77	383.73	383.56	383.26	382.85	382.33	381.71
78.0	350.94	350.90	350.74	350.90	350.94	350.85	350.63	350.29	349.81	349.09
78.5	319.03	319.32	319.44	319.32	319.03	318.61	318.08	317.45	316.76	316.21
79.0	287.95	288.55	288.96	288.55	287.95	287.21	286.36	285.47	284.58	284.21

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**CANDELA TABULATION - (Cont.)**

79.5	257.36	257.85	258.18	257.85	257.36	256.74	256.03	255.27	254.49	254.00
80.0	228.03	228.38	228.61	228.38	228.03	227.59	227.06	226.46	225.82	225.22
80.5	200.88	201.43	201.85	201.43	200.88	200.23	199.51	198.76	198.01	197.58
81.0	175.24	175.93	176.48	175.93	175.24	174.46	173.63	172.80	172.01	171.74
81.5	150.46	150.75	151.00	150.75	150.46	150.15	149.80	149.43	149.03	148.62
82.0	127.40	127.29	127.23	127.29	127.40	127.54	127.66	127.73	127.71	127.17
82.5	107.12	107.12	107.15	107.12	107.12	107.13	107.13	107.10	107.02	106.68
83.0	88.39	88.66	88.89	88.66	88.39	88.09	87.79	87.49	87.20	87.08
83.5	69.94	70.48	70.95	70.48	69.94	69.34	68.73	68.14	67.61	67.46
84.0	52.96	53.69	54.31	53.69	52.96	52.16	51.35	50.57	49.86	49.66
84.5	37.88	38.46	38.94	38.46	37.88	37.24	36.58	35.95	35.37	35.26
85.0	25.69	26.04	26.32	26.04	25.69	25.30	24.89	24.50	24.14	24.12
85.5	17.97	18.20	18.40	18.20	17.97	17.72	17.46	17.21	16.99	16.96
86.0	13.36	13.50	13.63	13.50	13.36	13.22	13.08	12.96	12.85	12.80
86.5	11.59	11.63	11.68	11.63	11.59	11.55	11.52	11.49	11.46	11.45
87.0	10.99	10.95	10.91	10.95	10.99	11.03	11.06	11.10	11.14	11.19
87.5	9.45	9.37	9.29	9.37	9.45	9.54	9.63	9.73	9.83	9.93
88.0	7.93	7.84	7.76	7.84	7.93	8.04	8.15	8.26	8.39	8.52
88.5	6.62	6.58	6.55	6.58	6.62	6.67	6.72	6.78	6.85	6.92
89.0	5.71	5.72	5.74	5.72	5.71	5.70	5.69	5.68	5.68	5.67
89.5	5.50	5.52	5.54	5.52	5.50	5.48	5.46	5.44	5.42	5.39
90.0	5.89	5.89	5.89	5.89	5.89	5.90	5.90	5.90	5.90	5.89

**Vert.  
Angles**

**Horizontal Angles**

	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
0.5	18337.98	18337.94	18337.91	18337.88	18337.86	18337.86	18337.85	18337.85	18337.86	18337.86
1.0	18337.10	18337.01	18336.94	18336.88	18336.83	18336.81	18336.79	18336.78	18336.78	18336.78
1.5	18335.85	18335.72	18335.60	18335.49	18335.39	18335.31	18335.25	18335.20	18335.17	18335.14
2.0	18333.97	18333.81	18333.65	18333.50	18333.35	18333.25	18333.17	18333.10	18333.05	18333.02
2.5	18331.14	18330.95	18330.77	18330.60	18330.45	18330.42	18330.41	18330.43	18330.47	18330.52
3.0	18327.69	18327.49	18327.32	18327.16	18327.04	18327.07	18327.14	18327.24	18327.36	18327.48
3.5	18323.95	18323.83	18323.73	18323.65	18323.58	18323.58	18323.61	18323.65	18323.71	18323.77
4.0	18319.54	18319.52	18319.51	18319.49	18319.48	18319.44	18319.41	18319.38	18319.36	18319.36
4.5	18314.10	18314.09	18314.10	18314.12	18314.13	18314.11	18314.09	18314.07	18314.07	18314.08
5.0	18307.98	18307.99	18308.02	18308.07	18308.11	18308.11	18308.11	18308.12	18308.15	18308.20
5.5	18301.49	18301.58	18301.69	18301.80	18301.90	18301.89	18301.88	18301.88	18301.90	18301.95
6.0	18294.47	18294.65	18294.83	18295.01	18295.17	18295.16	18295.15	18295.14	18295.15	18295.19
6.5	18286.89	18287.09	18287.31	18287.52	18287.71	18287.73	18287.75	18287.76	18287.79	18287.85
7.0	18278.69	18278.91	18279.16	18279.40	18279.63	18279.69	18279.74	18279.78	18279.84	18279.92
7.5	18269.70	18270.01	18270.34	18270.67	18270.97	18271.05	18271.12	18271.18	18271.25	18271.34
8.0	18260.16	18260.55	18260.97	18261.37	18261.74	18261.84	18261.91	18261.97	18262.04	18262.14
8.5	18250.36	18250.79	18251.23	18251.67	18252.06	18252.14	18252.19	18252.22	18252.26	18252.31
9.0	18239.90	18240.36	18240.82	18241.27	18241.68	18241.76	18241.80	18241.82	18241.83	18241.87
9.5	18228.39	18228.88	18229.40	18229.91	18230.38	18230.53	18230.64	18230.72	18230.80	18230.88
10.0	18216.13	18216.63	18217.16	18217.70	18218.20	18218.42	18218.60	18218.76	18218.91	18219.07
10.5	18203.50	18203.88	18204.30	18204.73	18205.15	18205.35	18205.53	18205.71	18205.89	18206.10
11.0	18189.92	18190.16	18190.45	18190.76	18191.08	18191.27	18191.46	18191.67	18191.91	18192.18
11.5	18174.83	18175.00	18175.21	18175.47	18175.76	18176.02	18176.31	18176.64	18177.02	18177.43
12.0	18158.64	18158.76	18158.95	18159.19	18159.48	18159.85	18160.28	18160.76	18161.29	18161.88
12.5	18141.62	18141.71	18141.88	18142.13	18142.47	18142.98	18143.57	18144.23	18144.93	18145.68
13.0	18123.71	18123.80	18123.99	18124.28	18124.66	18125.31	18126.04	18126.85	18127.70	18128.59
13.5	18105.04	18105.16	18105.40	18105.75	18106.20	18106.90	18107.70	18108.55	18109.47	18110.41
14.0	18085.37	18085.56	18085.86	18086.26	18086.77	18087.50	18088.31	18089.19	18090.12	18091.08
14.5	18064.57	18064.81	18065.16	18065.61	18066.15	18066.87	18067.67	18068.54	18069.46	18070.43

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15.0	18042.58	18042.85	18043.23	18043.71	18044.28	18044.99	18045.79	18046.65	18047.59	18048.57
15.5	18019.30	18019.55	18019.91	18020.39	18020.97	18021.72	18022.58	18023.53	18024.55	18025.64
16.0	17994.75	17994.96	17995.29	17995.75	17996.33	17997.14	17998.07	17999.11	18000.23	18001.44
16.5	17968.96	17969.14	17969.45	17969.89	17970.47	17971.32	17972.29	17973.38	17974.57	17975.85
17.0	17941.82	17941.97	17942.26	17942.69	17943.26	17944.12	17945.13	17946.27	17947.51	17948.84
17.5	17913.30	17913.40	17913.64	17914.02	17914.56	17915.44	17916.47	17917.64	17918.93	17920.33
18.0	17883.27	17883.34	17883.55	17883.91	17884.43	17885.32	17886.38	17887.58	17888.93	17890.39
18.5	17851.57	17851.70	17851.96	17852.39	17852.98	17853.92	17855.03	17856.29	17857.69	17859.21
19.0	17818.25	17818.41	17818.73	17819.21	17819.86	17820.87	17822.04	17823.36	17824.83	17826.42
19.5	17783.37	17783.44	17783.67	17784.07	17784.68	17785.73	17786.97	17788.39	17789.96	17791.66
20.0	17746.72	17746.68	17746.83	17747.17	17747.73	17748.82	17750.13	17751.64	17753.31	17755.11
20.5	17708.09	17708.10	17708.29	17708.69	17709.32	17710.46	17711.82	17713.38	17715.09	17716.93
21.0	17667.51	17667.58	17667.84	17668.31	17669.01	17670.21	17671.63	17673.22	17674.97	17676.84
21.5	17624.99	17625.05	17625.30	17625.77	17626.47	17627.75	17629.24	17630.93	17632.76	17634.71
22.0	17580.41	17580.40	17580.60	17581.03	17581.70	17583.03	17584.59	17586.35	17588.27	17590.31
22.5	17533.78	17533.64	17533.71	17534.01	17534.58	17535.91	17537.50	17539.30	17541.26	17543.33
23.0	17484.61	17484.38	17484.37	17484.59	17485.08	17486.38	17487.94	17489.71	17491.65	17493.71
23.5	17432.25	17432.17	17432.30	17432.65	17433.24	17434.43	17435.86	17437.47	17439.26	17441.16
24.0	17377.14	17377.21	17377.50	17378.00	17378.72	17379.82	17381.13	17382.61	17384.25	17386.01
24.5	17319.66	17319.73	17320.01	17320.50	17321.22	17322.39	17323.77	17325.32	17327.01	17328.81
25.0	17259.29	17259.29	17259.50	17259.95	17260.63	17261.87	17263.33	17264.96	17266.73	17268.58
25.5	17195.57	17195.52	17195.68	17196.06	17196.68	17197.87	17199.28	17200.86	17202.58	17204.39
26.0	17128.61	17128.50	17128.59	17128.90	17129.44	17130.54	17131.85	17133.34	17134.96	17136.69
26.5	17058.41	17058.26	17058.31	17058.55	17059.03	17060.04	17061.25	17062.62	17064.13	17065.73
27.0	16984.79	16984.56	16984.51	16984.66	16985.02	16985.94	16987.05	16988.33	16989.74	16991.23
27.5	16907.71	16907.21	16906.89	16906.77	16906.90	16907.75	16908.84	16910.11	16911.52	16913.02
28.0	16826.81	16826.08	16825.52	16825.17	16825.07	16825.86	16826.89	16828.12	16829.50	16830.96
28.5	16741.88	16741.21	16740.69	16740.34	16740.21	16740.84	16741.67	16742.67	16743.79	16744.98
29.0	16652.51	16651.95	16651.50	16651.19	16651.05	16651.52	16652.16	16652.92	16653.78	16654.69
29.5	16558.13	16557.46	16556.91	16556.50	16556.27	16556.69	16557.28	16558.00	16558.80	16559.64
30.0	16459.14	16458.31	16457.61	16457.05	16456.69	16457.07	16457.62	16458.31	16459.07	16459.86
30.5	16356.13	16355.16	16354.29	16353.56	16353.00	16353.24	16353.65	16354.18	16354.78	16355.38
31.0	16248.04	16246.95	16245.93	16245.03	16244.29	16244.38	16244.62	16244.97	16245.37	16245.76
31.5	16133.84	16132.66	16131.54	16130.53	16129.68	16129.67	16129.82	16130.04	16130.30	16130.52
32.0	16014.12	16012.91	16011.74	16010.67	16009.73	16009.61	16009.61	16009.68	16009.76	16009.78
32.5	15889.43	15888.28	15887.16	15886.10	15885.14	15884.77	15884.48	15884.23	15883.98	15883.68
33.0	15758.95	15757.83	15756.73	15755.66	15754.64	15754.03	15753.46	15752.92	15752.37	15751.77
33.5	15621.98	15620.66	15619.35	15618.08	15616.89	15616.18	15615.54	15614.92	15614.29	15613.62
34.0	15478.82	15477.28	15475.75	15474.26	15472.86	15472.09	15471.39	15470.72	15470.04	15469.29
34.5	15329.75	15328.16	15326.56	15324.99	15323.48	15322.55	15321.68	15320.82	15319.92	15318.94
35.0	15174.18	15172.58	15170.94	15169.29	15167.68	15166.56	15165.47	15164.36	15163.19	15161.92
35.5	15011.73	15010.04	15008.27	15006.46	15004.65	15003.29	15001.95	15000.56	14999.11	14997.55
36.0	14842.13	14840.35	14838.46	14836.51	14834.52	14832.95	14831.36	14829.71	14827.99	14826.16
36.5	14664.72	14662.93	14661.04	14659.07	14657.05	14655.36	14653.62	14651.82	14649.91	14647.88
37.0	14480.33	14478.52	14476.61	14474.62	14472.56	14470.76	14468.89	14466.92	14464.85	14462.62
37.5	14290.16	14288.20	14286.12	14283.93	14281.66	14279.69	14277.64	14275.50	14273.22	14270.79
38.0	14092.43	14090.35	14088.10	14085.71	14083.22	14081.02	14078.73	14076.32	14073.78	14071.06
38.5	13885.23	13883.22	13881.00	13878.59	13876.00	13873.43	13870.71	13867.83	13864.78	13861.56
39.0	13670.17	13668.23	13666.04	13663.60	13660.93	13658.02	13654.89	13651.57	13648.05	13644.36
39.5	13448.85	13446.74	13444.37	13441.75	13438.89	13435.87	13432.63	13429.19	13425.56	13421.73
40.0	13219.35	13217.09	13214.56	13211.78	13208.76	13205.66	13202.35	13198.85	13195.15	13191.25
40.5	12979.48	12977.32	12974.88	12972.18	12969.21	12965.91	12962.38	12958.63	12954.68	12950.54
41.0	12731.70	12729.64	12727.30	12724.67	12721.74	12718.21	12714.41	12710.36	12706.12	12701.71
41.5	12478.32	12476.19	12473.76	12471.01	12467.92	12464.16	12460.11	12455.79	12451.26	12446.55
42.0	12217.51	12215.19	12212.53	12209.52	12206.17	12202.18	12197.89	12193.32	12188.54	12183.59
42.5	11948.09	11945.34	11942.22	11938.76	11934.97	11930.71	11926.17	11921.42	11916.50	11911.45

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**CANDELA TABULATION - (Cont.)**

43.0	11670.34	11667.22	11663.72	11659.88	11655.73	11651.26	11646.57	11641.72	11636.74	11631.69
43.5	11383.62	11380.55	11377.12	11373.36	11369.29	11364.92	11360.33	11355.56	11350.68	11345.71
44.0	11089.57	11086.63	11083.33	11079.70	11075.77	11071.48	11066.97	11062.27	11057.44	11052.51
44.5	10789.98	10786.85	10783.35	10779.51	10775.36	10770.83	10766.08	10761.15	10756.11	10751.01
45.0	10483.85	10480.60	10476.96	10472.97	10468.65	10463.82	10458.76	10453.54	10448.24	10442.90
45.5	10169.66	10166.77	10163.51	10159.88	10155.87	10150.88	10145.62	10140.17	10134.64	10129.13
46.0	9850.71	9848.15	9845.23	9841.94	9838.23	9833.16	9827.76	9822.18	9816.52	9810.91
46.5	9530.53	9527.70	9524.51	9520.96	9517.01	9511.89	9506.50	9500.95	9495.38	9489.89
47.0	9206.97	9203.81	9200.30	9196.44	9192.24	9187.15	9181.85	9176.45	9171.07	9165.82
47.5	8877.78	8874.67	8871.24	8867.49	8863.44	8858.55	8853.48	8848.34	8843.25	8838.31
48.0	8546.78	8543.84	8540.63	8537.13	8533.36	8528.67	8523.81	8518.91	8514.08	8509.44
48.5	8216.67	8213.94	8210.98	8207.75	8204.23	8199.49	8194.58	8189.65	8184.85	8180.31
49.0	7888.54	7886.05	7883.34	7880.39	7877.15	7872.42	7867.52	7862.63	7857.92	7853.54
49.5	7564.04	7561.69	7559.18	7556.46	7553.50	7549.16	7544.71	7540.29	7536.07	7532.19
50.0	7244.22	7242.06	7239.78	7237.32	7234.67	7230.82	7226.89	7223.01	7219.34	7216.02
50.5	6930.57	6928.79	6926.88	6924.81	6922.55	6918.98	6915.33	6911.75	6908.37	6905.35
51.0	6623.46	6622.10	6620.63	6619.00	6617.15	6613.90	6610.55	6607.25	6604.17	6601.45
51.5	6323.30	6322.35	6321.32	6320.16	6318.82	6316.08	6313.25	6310.46	6307.87	6305.62
52.0	6031.46	6030.84	6030.19	6029.44	6028.53	6026.35	6024.08	6021.86	6019.81	6018.07
52.5	5749.34	5748.84	5748.28	5747.65	5746.90	5745.24	5743.54	5741.88	5740.39	5739.15
53.0	5477.27	5476.90	5476.45	5475.92	5475.30	5474.07	5472.82	5471.62	5470.56	5469.71
53.5	5216.44	5216.45	5216.36	5216.16	5215.84	5214.80	5213.70	5212.63	5211.67	5210.91
54.0	4965.66	4966.17	4966.57	4966.83	4966.91	4965.99	4964.96	4963.91	4962.95	4962.16
54.5	4723.22	4724.45	4725.59	4726.55	4727.26	4726.48	4725.50	4724.45	4723.44	4722.61
55.0	4491.92	4493.62	4495.25	4496.71	4497.90	4497.40	4496.67	4495.81	4494.98	4494.28
55.5	4275.82	4276.86	4277.85	4278.79	4279.64	4280.03	4280.34	4280.59	4280.83	4281.07
56.0	4069.43	4070.01	4070.58	4071.16	4071.78	4072.75	4073.74	4074.72	4075.66	4076.51
56.5	3866.69	3868.60	3870.50	3872.27	3873.81	3873.87	3873.70	3873.39	3873.04	3872.75
57.0	3673.35	3676.82	3680.24	3683.37	3685.98	3684.89	3683.28	3681.38	3679.46	3677.76
57.5	3494.81	3498.94	3503.03	3506.78	3509.88	3508.39	3506.24	3503.74	3501.19	3498.92
58.0	3326.07	3330.13	3334.16	3337.85	3340.90	3339.45	3337.34	3334.88	3332.36	3330.09
58.5	3163.35	3165.97	3168.55	3170.90	3172.85	3172.10	3170.95	3169.57	3168.16	3166.89
59.0	3008.38	3009.46	3010.47	3011.37	3012.12	3012.14	3012.02	3011.83	3011.62	3011.44
59.5	2862.08	2862.79	2863.44	2864.00	2864.48	2864.67	2864.79	2864.87	2864.93	2865.01
60.0	2723.21	2723.94	2724.60	2725.17	2725.65	2725.76	2725.80	2725.78	2725.74	2725.72
60.5	2591.03	2591.81	2592.50	2593.06	2593.48	2593.34	2593.08	2592.74	2592.36	2591.98
61.0	2464.99	2465.80	2466.49	2467.02	2467.37	2466.96	2466.38	2465.68	2464.94	2464.19
61.5	2344.18	2344.71	2345.14	2345.43	2345.55	2345.08	2344.47	2343.76	2343.00	2342.24
62.0	2229.01	2229.26	2229.41	2229.44	2229.34	2228.84	2228.23	2227.54	2226.80	2226.06
62.5	2119.70	2119.91	2120.00	2119.95	2119.75	2119.12	2118.37	2117.52	2116.60	2115.66
63.0	2015.98	2016.21	2016.28	2016.18	2015.89	2015.10	2014.15	2013.07	2011.91	2010.70
63.5	1917.78	1917.93	1917.87	1917.59	1917.09	1916.07	1914.87	1913.53	1912.11	1910.65
64.0	1824.71	1824.87	1824.76	1824.39	1823.76	1822.53	1821.10	1819.53	1817.85	1816.15
64.5	1736.44	1736.96	1737.22	1737.17	1736.81	1735.47	1733.86	1732.06	1730.13	1728.17
65.0	1652.74	1653.51	1654.03	1654.25	1654.11	1652.79	1651.14	1649.27	1647.25	1645.18
65.5	1573.26	1573.60	1573.72	1573.60	1573.22	1572.16	1570.86	1569.35	1567.68	1565.88
66.0	1497.99	1497.77	1497.36	1496.77	1496.03	1495.24	1494.30	1493.19	1491.91	1490.44
66.5	1427.54	1426.96	1426.20	1425.28	1424.25	1423.51	1422.66	1421.67	1420.51	1419.14
67.0	1359.75	1359.06	1358.18	1357.14	1355.98	1355.11	1354.13	1353.01	1351.72	1350.24
67.5	1291.93	1291.70	1291.28	1290.65	1289.80	1288.48	1286.94	1285.21	1283.31	1281.25
68.0	1226.34	1226.58	1226.64	1226.44	1225.91	1224.16	1222.09	1219.77	1217.26	1214.66
68.5	1164.66	1164.78	1164.71	1164.39	1163.76	1161.99	1159.92	1157.60	1155.11	1152.51
69.0	1106.02	1105.87	1105.54	1104.98	1104.15	1102.48	1100.55	1098.39	1096.07	1093.64
69.5	1050.13	1049.87	1049.42	1048.75	1047.83	1046.20	1044.32	1042.24	1039.98	1037.59
70.0	996.86	996.55	996.05	995.33	994.37	992.76	990.92	988.86	986.63	984.25
70.5	946.29	946.04	945.60	944.94	944.03	942.40	940.52	938.41	936.12	933.67

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71.0	897.54	897.36	896.99	896.39	895.52	893.86	891.93	889.75	887.38	884.86
71.5	849.61	849.37	848.95	848.29	847.38	845.68	843.71	841.51	839.13	836.60
72.0	803.00	802.66	802.14	801.41	800.42	798.71	796.74	794.56	792.20	789.71
72.5	757.74	757.29	756.67	755.86	754.82	753.15	751.25	749.15	746.89	744.49
73.0	714.25	713.72	713.03	712.17	711.10	709.50	707.69	705.70	703.55	701.26
73.5	673.34	672.82	672.16	671.33	670.29	668.79	667.09	665.20	663.15	660.95
74.0	633.92	633.43	632.79	631.98	630.98	629.55	627.93	626.12	624.15	622.03
74.5	594.97	594.36	593.62	592.73	591.67	590.21	588.57	586.79	584.86	582.81
75.0	557.16	556.46	555.63	554.67	553.56	552.07	550.42	548.63	546.73	544.73
75.5	521.18	520.58	519.86	519.00	517.97	516.54	514.94	513.19	511.31	509.32
76.0	485.88	485.40	484.79	484.03	483.09	481.74	480.21	478.52	476.67	474.69
76.5	449.91	449.39	448.76	447.98	447.04	445.71	444.22	442.58	440.80	438.90
77.0	414.57	413.94	413.21	412.36	411.38	410.08	408.65	407.10	405.44	403.67
77.5	380.98	380.15	379.22	378.21	377.10	375.91	374.64	373.29	371.87	370.38
78.0	348.25	347.31	346.28	345.18	344.03	342.94	341.81	340.64	339.43	338.17
78.5	315.61	314.96	314.24	313.45	312.58	311.50	310.35	309.14	307.88	306.57
79.0	283.86	283.49	283.08	282.60	282.01	280.97	279.81	278.57	277.25	275.89
79.5	253.51	253.01	252.47	251.87	251.22	250.33	249.37	248.36	247.29	246.18
80.0	224.59	223.93	223.24	222.52	221.78	221.05	220.29	219.50	218.68	217.83
80.5	197.16	196.75	196.32	195.86	195.36	194.65	193.89	193.09	192.24	191.36
81.0	171.52	171.33	171.13	170.89	170.58	169.89	169.13	168.29	167.41	166.50
81.5	148.18	147.72	147.23	146.71	146.16	145.57	144.95	144.31	143.62	142.91
82.0	126.53	125.82	125.06	124.28	123.52	123.06	122.63	122.20	121.74	121.25
82.5	106.28	105.84	105.37	104.89	104.40	104.13	103.84	103.53	103.17	102.74
83.0	86.97	86.88	86.78	86.67	86.54	86.42	86.25	86.01	85.70	85.30
83.5	67.38	67.35	67.34	67.34	67.33	67.22	67.07	66.87	66.61	66.29
84.0	49.56	49.53	49.54	49.57	49.60	49.46	49.29	49.10	48.89	48.65
84.5	35.22	35.25	35.31	35.38	35.44	35.30	35.13	34.94	34.75	34.55
85.0	24.14	24.21	24.29	24.38	24.44	24.32	24.17	24.01	23.85	23.71
85.5	16.96	16.99	17.04	17.09	17.14	17.09	17.04	17.00	16.96	16.93
86.0	12.77	12.75	12.76	12.77	12.80	12.83	12.88	12.93	12.99	13.06
86.5	11.45	11.46	11.47	11.49	11.51	11.54	11.57	11.61	11.65	11.69
87.0	11.23	11.28	11.32	11.36	11.39	11.39	11.39	11.38	11.37	11.36
87.5	10.04	10.14	10.23	10.30	10.36	10.37	10.36	10.34	10.30	10.26
88.0	8.66	8.79	8.90	9.01	9.09	9.10	9.09	9.06	9.02	8.98
88.5	6.98	7.05	7.11	7.17	7.21	7.23	7.23	7.23	7.23	7.22
89.0	5.66	5.65	5.65	5.65	5.65	5.67	5.69	5.71	5.74	5.77
89.5	5.37	5.35	5.33	5.31	5.30	5.32	5.33	5.35	5.38	5.41
90.0	5.89	5.88	5.88	5.87	5.87	5.87	5.87	5.87	5.88	5.88

**Vert.  
Angles**

**Horizontal Angles**

	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
0.5	18337.87	18337.85	18337.84	18337.82	18337.82	18337.82	18337.84	18337.91	18338.00	18338.09
1.0	18336.78	18336.76	18336.74	18336.73	18336.73	18336.75	18336.78	18336.90	18337.04	18337.18
1.5	18335.13	18335.11	18335.10	18335.11	18335.13	18335.17	18335.23	18335.36	18335.50	18335.65
2.0	18333.00	18333.00	18333.01	18333.04	18333.09	18333.16	18333.24	18333.35	18333.47	18333.60
2.5	18330.59	18330.63	18330.68	18330.73	18330.79	18330.86	18330.93	18330.99	18331.05	18331.14
3.0	18327.62	18327.70	18327.77	18327.84	18327.91	18327.98	18328.04	18328.06	18328.09	18328.13
3.5	18323.84	18323.91	18323.98	18324.05	18324.12	18324.20	18324.28	18324.32	18324.38	18324.44
4.0	18319.36	18319.41	18319.48	18319.56	18319.66	18319.77	18319.88	18319.98	18320.09	18320.22
4.5	18314.12	18314.21	18314.33	18314.46	18314.62	18314.79	18314.98	18315.18	18315.39	18315.62
5.0	18308.28	18308.44	18308.62	18308.84	18309.07	18309.33	18309.60	18309.89	18310.20	18310.51
5.5	18302.04	18302.28	18302.57	18302.88	18303.22	18303.58	18303.93	18304.26	18304.57	18304.88
6.0	18295.27	18295.59	18295.95	18296.35	18296.77	18297.20	18297.63	18297.97	18298.30	18298.61

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**CANDELA TABULATION - (Cont.)**

6.5	18287.95	18288.24	18288.58	18288.96	18289.37	18289.79	18290.23	18290.66	18291.07	18291.48
7.0	18280.04	18280.30	18280.61	18280.96	18281.35	18281.77	18282.21	18282.70	18283.21	18283.71
7.5	18271.48	18271.81	18272.19	18272.62	18273.07	18273.55	18274.05	18274.54	18275.04	18275.54
8.0	18262.28	18262.68	18263.13	18263.62	18264.14	18264.67	18265.21	18265.69	18266.16	18266.61
8.5	18252.42	18252.78	18253.20	18253.66	18254.16	18254.67	18255.19	18255.65	18256.11	18256.55
9.0	18241.94	18242.26	18242.63	18243.04	18243.48	18243.95	18244.44	18244.87	18245.31	18245.76
9.5	18230.99	18231.30	18231.64	18232.02	18232.43	18232.86	18233.30	18233.71	18234.13	18234.55
10.0	18219.25	18219.57	18219.93	18220.30	18220.71	18221.13	18221.55	18221.96	18222.37	18222.79
10.5	18206.33	18206.72	18207.15	18207.61	18208.09	18208.59	18209.10	18209.55	18210.01	18210.47
11.0	18192.50	18192.99	18193.52	18194.09	18194.68	18195.29	18195.91	18196.43	18196.96	18197.49
11.5	18177.90	18178.51	18179.17	18179.86	18180.57	18181.29	18182.01	18182.60	18183.19	18183.78
12.0	18162.51	18163.23	18163.99	18164.78	18165.58	18166.38	18167.17	18167.84	18168.50	18169.15
12.5	18146.46	18147.21	18147.98	18148.76	18149.54	18150.34	18151.13	18151.87	18152.61	18153.36
13.0	18129.49	18130.24	18131.00	18131.75	18132.50	18133.27	18134.05	18134.86	18135.69	18136.54
13.5	18111.36	18112.13	18112.89	18113.66	18114.43	18115.22	18116.03	18116.90	18117.81	18118.74
14.0	18092.05	18092.86	18093.67	18094.49	18095.31	18096.16	18097.04	18097.98	18098.97	18099.98
14.5	18071.42	18072.32	18073.23	18074.17	18075.12	18076.10	18077.11	18078.16	18079.25	18080.37
15.0	18049.61	18050.63	18051.68	18052.76	18053.87	18055.01	18056.17	18057.34	18058.53	18059.74
15.5	18026.79	18027.96	18029.18	18030.42	18031.70	18032.99	18034.29	18035.54	18036.80	18038.07
16.0	18002.72	18004.03	18005.39	18006.78	18008.20	18009.63	18011.07	18012.40	18013.73	18015.08
16.5	17977.20	17978.57	17979.99	17981.45	17982.94	17984.45	17985.97	17987.42	17988.88	17990.36
17.0	17950.25	17951.67	17953.14	17954.66	17956.22	17957.82	17959.43	17961.02	17962.63	17964.26
17.5	17921.82	17923.35	17924.94	17926.59	17928.29	17930.04	17931.80	17933.56	17935.34	17937.13
18.0	17891.96	17893.60	17895.32	17897.10	17898.95	17900.83	17902.75	17904.66	17906.58	17908.52
18.5	17860.84	17862.55	17864.34	17866.20	17868.12	17870.08	17872.07	17874.04	17876.01	17878.00
19.0	17828.12	17829.89	17831.74	17833.66	17835.63	17837.65	17839.70	17841.70	17843.72	17845.76
19.5	17793.48	17795.33	17797.26	17799.26	17801.31	17803.41	17805.54	17807.67	17809.81	17811.96
20.0	17757.04	17758.94	17760.93	17762.98	17765.09	17767.25	17769.45	17771.69	17773.95	17776.22
20.5	17718.87	17720.76	17722.71	17724.74	17726.82	17728.96	17731.14	17733.44	17735.77	17738.11
21.0	17678.80	17680.65	17682.56	17684.54	17686.58	17688.68	17690.84	17693.16	17695.53	17697.92
21.5	17636.76	17638.64	17640.57	17642.56	17644.61	17646.71	17648.87	17651.20	17653.58	17655.98
22.0	17592.42	17594.33	17596.28	17598.28	17600.32	17602.42	17604.58	17606.90	17609.28	17611.68
22.5	17545.48	17547.34	17549.23	17551.16	17553.14	17555.18	17557.29	17559.60	17561.98	17564.40
23.0	17495.84	17497.65	17499.49	17501.37	17503.30	17505.30	17507.37	17509.67	17512.04	17514.47
23.5	17443.16	17445.01	17446.91	17448.88	17450.90	17452.99	17455.13	17457.40	17459.73	17462.10
24.0	17387.88	17389.75	17391.69	17393.71	17395.79	17397.92	17400.11	17402.37	17404.66	17406.98
24.5	17330.69	17332.42	17334.21	17336.06	17337.96	17339.94	17341.97	17344.24	17346.55	17348.90
25.0	17270.49	17272.07	17273.68	17275.33	17277.04	17278.83	17280.70	17282.97	17285.31	17287.70
25.5	17206.25	17207.79	17209.36	17210.97	17212.65	17214.40	17216.24	17218.52	17220.86	17223.23
26.0	17138.47	17139.98	17141.52	17143.12	17144.78	17146.51	17148.33	17150.56	17152.86	17155.18
26.5	17067.40	17068.80	17070.25	17071.74	17073.29	17074.91	17076.62	17078.71	17080.88	17083.06
27.0	16992.79	16994.07	16995.40	16996.76	16998.18	16999.67	17001.23	17003.15	17005.14	17007.14
27.5	16914.58	16915.80	16917.03	16918.29	16919.59	16920.95	16922.37	16924.14	16925.95	16927.78
28.0	16832.47	16833.57	16834.68	16835.80	16836.95	16838.14	16839.39	16841.00	16842.65	16844.29
28.5	16746.21	16747.05	16747.89	16748.75	16749.64	16750.58	16751.59	16753.04	16754.53	16756.02
29.0	16655.61	16656.17	16656.73	16657.31	16657.93	16658.60	16659.36	16660.64	16661.98	16663.31
29.5	16560.48	16560.89	16561.29	16561.68	16562.11	16562.58	16563.12	16564.22	16565.37	16566.50
30.0	16460.64	16460.89	16461.11	16461.30	16461.51	16461.76	16462.07	16463.00	16463.97	16464.90
30.5	16355.95	16355.91	16355.81	16355.68	16355.56	16355.49	16355.51	16356.31	16357.15	16357.95
31.0	16246.09	16245.71	16245.26	16244.77	16244.30	16243.89	16243.58	16244.24	16244.95	16245.62
31.5	16130.64	16129.94	16129.14	16128.29	16127.46	16126.70	16126.06	16126.55	16127.12	16127.66
32.0	16009.69	16008.73	16007.65	16006.52	16005.40	16004.34	16003.40	16003.65	16003.97	16004.26
32.5	15883.29	15882.27	15881.14	15879.96	15878.76	15877.59	15876.47	15876.24	15876.01	15875.70
33.0	15751.10	15750.05	15748.90	15747.70	15746.45	15745.17	15743.88	15743.14	15742.34	15741.41
33.5	15612.85	15611.64	15610.33	15608.93	15607.45	15605.92	15604.36	15603.31	15602.18	15600.87
34.0	15468.44	15467.02	15465.46	15463.79	15462.04	15460.21	15458.34	15457.08	15455.71	15454.14



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**CANDELA TABULATION - (Cont.)**

34.5	15317.83	15316.12	15314.27	15312.29	15310.23	15308.10	15305.93	15304.56	15303.07	15301.35
35.0	15160.51	15158.51	15156.36	15154.09	15151.72	15149.30	15146.84	15145.32	15143.66	15141.75
35.5	14995.86	14993.65	14991.29	14988.80	14986.21	14983.53	14980.80	14978.89	14976.83	14974.48
36.0	14824.19	14821.80	14819.25	14816.56	14813.75	14810.83	14807.82	14805.46	14802.91	14800.07
36.5	14645.69	14643.10	14640.34	14637.43	14634.36	14631.15	14627.82	14625.00	14621.97	14618.63
37.0	14460.23	14457.42	14454.42	14451.24	14447.90	14444.41	14440.77	14437.61	14434.21	14430.50
37.5	14268.17	14265.06	14261.76	14258.29	14254.65	14250.88	14246.99	14243.85	14240.48	14236.75
38.0	14068.16	14064.73	14061.11	14057.32	14053.40	14049.37	14045.26	14042.20	14038.92	14035.26
38.5	13858.16	13854.40	13850.48	13846.42	13842.25	13838.00	13833.68	13830.50	13827.10	13823.32
39.0	13640.50	13636.44	13632.25	13627.94	13623.55	13619.09	13614.58	13611.24	13607.69	13603.75
39.5	13417.73	13413.45	13409.02	13404.47	13399.83	13395.13	13390.40	13386.97	13383.33	13379.29
40.0	13187.16	13182.74	13178.15	13173.44	13168.64	13163.77	13158.86	13155.36	13151.64	13147.49
40.5	12946.26	12941.85	12937.32	12932.68	12927.95	12923.14	12918.26	12914.64	12910.76	12906.42
41.0	12697.18	12692.76	12688.26	12683.67	12679.00	12674.25	12669.42	12665.69	12661.69	12657.20
41.5	12441.71	12436.98	12432.17	12427.28	12422.34	12417.34	12412.30	12408.51	12404.48	12399.98
42.0	12178.50	12173.48	12168.38	12163.24	12158.07	12152.88	12147.70	12143.98	12140.06	12135.70
42.5	11906.33	11901.38	11896.41	11891.44	11886.47	11881.53	11876.63	11873.33	11869.83	11865.86
43.0	11626.62	11621.81	11617.03	11612.29	11607.59	11602.95	11598.37	11595.53	11592.48	11588.93
43.5	11340.70	11335.90	11331.12	11326.38	11321.68	11317.04	11312.47	11309.78	11306.88	11303.47
44.0	11047.53	11042.70	11037.89	11033.11	11028.38	11023.73	11019.17	11016.64	11013.91	11010.67
44.5	10745.89	10740.97	10736.12	10731.35	10726.70	10722.20	10717.86	10715.80	10713.61	10710.93
45.0	10437.62	10432.70	10427.92	10423.29	10418.85	10414.61	10410.60	10409.00	10407.32	10405.18
45.5	10123.73	10119.14	10114.77	10110.60	10106.64	10102.87	10099.29	10097.77	10096.12	10094.00
46.0	9805.49	9801.29	9797.36	9793.68	9790.22	9786.95	9783.83	9782.44	9780.87	9778.83
46.5	9484.62	9480.54	9476.78	9473.31	9470.10	9467.14	9464.40	9463.59	9462.66	9461.28
47.0	9160.80	9156.86	9153.25	9149.98	9147.03	9144.38	9142.04	9142.01	9141.91	9141.38
47.5	8833.63	8829.98	8826.70	8823.79	8821.24	8819.06	8817.24	8818.06	8818.85	8819.21
48.0	8505.11	8501.90	8499.10	8496.71	8494.72	8493.14	8491.95	8493.54	8495.11	8496.24
48.5	8176.18	8173.67	8171.66	8170.12	8169.02	8168.31	8167.94	8169.95	8171.88	8173.33
49.0	7849.66	7847.85	7846.63	7845.93	7845.68	7845.80	7846.21	7848.51	7850.68	7852.34
49.5	7528.82	7527.46	7526.68	7526.41	7526.58	7527.11	7527.93	7530.62	7533.17	7535.20
50.0	7213.18	7212.19	7211.77	7211.84	7212.32	7213.16	7214.28	7217.32	7220.22	7222.60
50.5	6902.84	6902.32	6902.37	6902.92	6903.88	6905.17	6906.71	6910.02	6913.15	6915.73
51.0	6599.24	6599.15	6599.64	6600.62	6602.00	6603.68	6605.57	6609.05	6612.32	6615.01
51.5	6303.85	6304.09	6304.87	6306.10	6307.69	6309.54	6311.57	6315.03	6318.26	6320.92
52.0	6016.75	6017.21	6018.14	6019.48	6021.13	6023.03	6025.08	6028.53	6031.75	6034.44
52.5	5738.27	5738.72	5739.58	5740.80	5742.33	5744.11	5746.09	5749.83	5753.40	5756.48
53.0	5469.15	5469.57	5470.33	5471.42	5472.81	5474.47	5476.39	5480.40	5484.29	5487.73
53.5	5210.42	5210.93	5211.78	5212.94	5214.40	5216.14	5218.11	5222.10	5225.99	5229.44
54.0	4961.66	4962.32	4963.32	4964.64	4966.25	4968.10	4970.16	4973.96	4977.64	4980.91
54.5	4722.08	4723.02	4724.33	4725.96	4727.84	4729.91	4732.13	4735.55	4738.81	4741.65
55.0	4493.85	4494.92	4496.33	4498.01	4499.90	4501.94	4504.07	4507.07	4509.90	4512.34
55.5	4281.36	4281.80	4282.34	4282.98	4283.76	4284.67	4285.76	4288.42	4291.04	4293.41
56.0	4077.26	4077.25	4077.18	4077.11	4077.11	4077.27	4077.66	4080.14	4082.69	4085.07
56.5	3872.62	3873.44	3874.48	3875.73	3877.17	3878.77	3880.50	3883.41	3886.24	3888.78
57.0	3676.53	3678.38	3680.81	3683.67	3686.80	3690.07	3693.31	3696.29	3698.97	3701.19
57.5	3497.22	3499.61	3502.65	3506.11	3509.74	3513.31	3516.58	3517.79	3518.48	3518.67
58.0	3328.38	3330.83	3333.88	3337.24	3340.65	3343.85	3346.56	3346.15	3345.12	3343.60
58.5	3165.96	3167.50	3169.41	3171.52	3173.68	3175.73	3177.51	3177.80	3177.69	3177.22
59.0	3011.35	3011.90	3012.57	3013.32	3014.15	3015.00	3015.87	3017.19	3018.38	3019.34
59.5	2865.12	2865.51	2865.95	2866.43	2866.94	2867.47	2868.00	2869.09	2870.07	2870.82
60.0	2725.73	2726.14	2726.60	2727.08	2727.56	2728.00	2728.40	2729.04	2729.52	2729.76
60.5	2591.66	2591.82	2592.05	2592.33	2592.63	2592.93	2593.20	2593.77	2594.21	2594.43
61.0	2463.51	2463.40	2463.38	2463.44	2463.56	2463.70	2463.86	2464.39	2464.82	2465.07
61.5	2341.52	2341.25	2341.06	2340.92	2340.82	2340.76	2340.71	2341.05	2341.30	2341.39
62.0	2225.33	2224.91	2224.52	2224.17	2223.85	2223.55	2223.25	2223.35	2223.36	2223.23

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**CANDELA TABULATION - (Cont.)**

62.5	2114.72	2114.03	2113.38	2112.76	2112.15	2111.57	2111.00	2110.82	2110.58	2110.21
63.0	2009.49	2008.56	2007.67	2006.79	2005.94	2005.10	2004.28	2003.81	2003.28	2002.64
63.5	1909.19	1908.12	1907.09	1906.10	1905.12	1904.15	1903.19	1902.41	1901.58	1900.64
64.0	1814.46	1813.31	1812.21	1811.16	1810.11	1809.07	1807.99	1806.86	1805.67	1804.38
64.5	1726.25	1725.16	1724.14	1723.16	1722.16	1721.11	1719.95	1718.28	1716.48	1714.58
65.0	1643.13	1641.99	1640.91	1639.84	1638.74	1637.55	1636.21	1634.16	1631.95	1629.63
65.5	1564.01	1562.32	1560.59	1558.84	1557.05	1555.25	1553.42	1551.68	1549.91	1548.09
66.0	1488.78	1486.52	1484.12	1481.64	1479.14	1476.68	1474.31	1472.90	1471.57	1470.25
66.5	1417.54	1415.12	1412.49	1409.74	1406.92	1404.11	1401.37	1399.51	1397.72	1395.95
67.0	1348.54	1346.12	1343.51	1340.74	1337.89	1334.98	1332.09	1329.72	1327.38	1325.04
67.5	1279.07	1276.80	1274.45	1272.03	1269.56	1267.06	1264.54	1262.22	1259.88	1257.52
68.0	1212.01	1209.91	1207.83	1205.76	1203.69	1201.61	1199.50	1197.30	1195.06	1192.77
68.5	1149.87	1147.74	1145.63	1143.52	1141.40	1139.26	1137.08	1134.75	1132.37	1129.95
69.0	1091.13	1088.91	1086.66	1084.39	1082.08	1079.74	1077.36	1074.84	1072.29	1069.73
69.5	1035.12	1032.79	1030.42	1028.01	1025.55	1023.05	1020.51	1017.84	1015.15	1012.47
70.0	981.77	979.34	976.85	974.30	971.69	969.05	966.39	963.62	960.86	958.12
70.5	931.10	928.57	925.98	923.33	920.64	917.93	915.20	912.49	909.79	907.12
71.0	882.21	879.62	876.97	874.28	871.55	868.82	866.09	863.48	860.89	858.33
71.5	833.96	831.40	828.79	826.14	823.48	820.81	818.15	815.63	813.13	810.65
72.0	787.12	784.61	782.06	779.48	776.89	774.29	771.70	769.25	766.82	764.41
72.5	741.99	739.50	736.95	734.37	731.77	729.18	726.60	724.13	721.70	719.32
73.0	698.86	696.38	693.83	691.24	688.63	686.01	683.42	680.91	678.47	676.09
73.5	658.62	656.16	653.61	651.00	648.36	645.71	643.07	640.56	638.10	635.71
74.0	619.78	617.36	614.85	612.27	609.66	607.03	604.40	601.93	599.49	597.10
74.5	580.65	578.41	576.09	573.72	571.32	568.89	566.47	564.11	561.78	559.49
75.0	542.65	540.55	538.39	536.20	533.98	531.75	529.52	527.30	525.10	522.94
75.5	507.22	505.02	502.75	500.45	498.13	495.82	493.53	491.39	489.30	487.28
76.0	472.59	470.28	467.90	465.48	463.06	460.66	458.32	456.29	454.34	452.48
76.5	436.89	434.67	432.39	430.08	427.79	425.54	423.37	421.60	419.93	418.35
77.0	401.82	399.80	397.73	395.64	393.58	391.57	389.64	388.10	386.65	385.29
77.5	368.83	367.13	365.39	363.63	361.87	360.12	358.41	356.85	355.34	353.89
78.0	336.88	335.49	334.07	332.62	331.14	329.64	328.12	326.50	324.89	323.32
78.5	305.23	303.95	302.65	301.33	299.99	298.63	297.25	295.69	294.14	292.62
79.0	274.51	273.27	272.03	270.78	269.53	268.27	267.00	265.56	264.14	262.75
79.5	245.03	243.90	242.76	241.59	240.42	239.24	238.06	236.79	235.54	234.32
80.0	216.93	215.91	214.86	213.78	212.69	211.60	210.52	209.45	208.41	207.41
80.5	190.45	189.51	188.57	187.62	186.68	185.76	184.87	184.06	183.30	182.58
81.0	165.56	164.68	163.80	162.95	162.12	161.33	160.58	159.98	159.44	158.93
81.5	142.16	141.29	140.39	139.50	138.62	137.77	136.97	136.33	135.76	135.26
82.0	120.69	119.80	118.86	117.89	116.91	115.95	115.04	114.31	113.66	113.09
82.5	102.21	101.27	100.25	99.17	98.08	97.00	95.97	95.20	94.50	93.87
83.0	84.79	83.86	82.85	81.78	80.68	79.60	78.56	77.86	77.22	76.65
83.5	65.89	65.21	64.48	63.72	62.97	62.24	61.56	61.22	60.95	60.73
84.0	48.39	48.00	47.61	47.23	46.88	46.57	46.33	46.39	46.51	46.66
84.5	34.36	34.18	34.02	33.90	33.81	33.78	33.80	34.03	34.32	34.64
85.0	23.59	23.55	23.56	23.60	23.69	23.83	24.03	24.34	24.70	25.09
85.5	16.93	16.97	17.04	17.14	17.28	17.47	17.71	18.07	18.47	18.91
86.0	13.15	13.20	13.28	13.37	13.49	13.65	13.85	14.17	14.54	14.94
86.5	11.74	11.76	11.80	11.83	11.88	11.95	12.03	12.17	12.33	12.50
87.0	11.33	11.32	11.30	11.27	11.25	11.22	11.18	11.14	11.09	11.04
87.5	10.22	10.19	10.16	10.12	10.09	10.05	10.00	9.95	9.89	9.82
88.0	8.93	8.91	8.88	8.86	8.84	8.82	8.80	8.79	8.78	8.77
88.5	7.21	7.21	7.22	7.23	7.24	7.26	7.28	7.32	7.36	7.41
89.0	5.80	5.83	5.85	5.89	5.93	5.98	6.04	6.10	6.18	6.28
89.5	5.44	5.46	5.48	5.51	5.54	5.58	5.62	5.67	5.73	5.81
90.0	5.88	5.88	5.87	5.86	5.86	5.85	5.85	5.85	5.86	5.86

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0.0	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
0.5	18338.18	18338.27	18338.34	18338.39	18338.42	18338.43	18338.41	18338.36	18338.28	18338.24
1.0	18337.32	18337.46	18337.58	18337.70	18337.78	18337.82	18337.82	18337.77	18337.66	18337.62
1.5	18335.81	18335.97	18336.12	18336.30	18336.46	18336.58	18336.65	18336.65	18336.58	18336.59
2.0	18333.75	18333.90	18334.06	18334.31	18334.55	18334.76	18334.91	18335.00	18335.00	18335.04
2.5	18331.23	18331.35	18331.48	18331.80	18332.12	18332.42	18332.66	18332.83	18332.91	18332.87
3.0	18328.19	18328.27	18328.39	18328.77	18329.15	18329.52	18329.83	18330.06	18330.19	18330.09
3.5	18324.52	18324.64	18324.78	18325.19	18325.60	18325.98	18326.30	18326.51	18326.59	18326.66
4.0	18320.36	18320.53	18320.71	18321.15	18321.58	18321.96	18322.25	18322.40	18322.40	18322.65
4.5	18315.85	18316.09	18316.34	18316.84	18317.29	18317.66	18317.92	18318.01	18317.90	18318.14
5.0	18310.82	18311.13	18311.44	18311.96	18312.44	18312.80	18313.02	18313.03	18312.81	18313.00
5.5	18305.18	18305.46	18305.72	18306.26	18306.72	18307.05	18307.20	18307.12	18306.76	18307.02
6.0	18298.89	18299.16	18299.40	18299.95	18300.42	18300.75	18300.86	18300.71	18300.25	18300.57
6.5	18291.89	18292.27	18292.62	18293.29	18293.86	18294.27	18294.46	18294.37	18293.93	18294.18
7.0	18284.22	18284.72	18285.19	18285.96	18286.64	18287.15	18287.43	18287.40	18287.02	18287.21
7.5	18276.02	18276.49	18276.94	18277.74	18278.43	18278.95	18279.22	18279.16	18278.72	18279.08
8.0	18267.05	18267.47	18267.87	18268.70	18269.41	18269.94	18270.21	18270.13	18269.63	18270.18
8.5	18257.00	18257.43	18257.86	18258.79	18259.61	18260.24	18260.60	18260.60	18260.16	18260.76
9.0	18246.21	18246.68	18247.14	18248.17	18249.11	18249.86	18250.32	18250.42	18250.05	18250.70
9.5	18234.99	18235.45	18235.92	18237.00	18237.99	18238.79	18239.30	18239.43	18239.07	18239.91
10.0	18223.23	18223.68	18224.16	18225.29	18226.34	18227.18	18227.73	18227.87	18227.51	18228.54
10.5	18210.96	18211.46	18211.98	18213.21	18214.34	18215.26	18215.87	18216.04	18215.68	18216.83
11.0	18198.03	18198.59	18199.17	18200.50	18201.73	18202.74	18203.41	18203.63	18203.28	18204.46
11.5	18184.37	18184.98	18185.62	18187.04	18188.37	18189.46	18190.21	18190.47	18190.15	18191.20
12.0	18169.81	18170.49	18171.18	18172.71	18174.13	18175.30	18176.12	18176.44	18176.14	18177.05
12.5	18154.12	18154.89	18155.69	18157.30	18158.80	18160.04	18160.89	18161.24	18160.94	18161.89
13.0	18137.41	18138.30	18139.20	18140.93	18142.52	18143.85	18144.77	18145.14	18144.86	18145.90
13.5	18119.71	18120.70	18121.71	18123.63	18125.41	18126.91	18127.98	18128.47	18128.24	18129.35
14.0	18101.04	18102.14	18103.26	18105.37	18107.33	18109.00	18110.21	18110.82	18110.66	18111.84
14.5	18081.52	18082.71	18083.92	18086.13	18088.18	18089.93	18091.20	18091.84	18091.70	18093.05
15.0	18060.98	18062.25	18063.53	18065.82	18067.95	18069.75	18071.08	18071.75	18071.62	18073.14
15.5	18039.36	18040.68	18042.02	18044.41	18046.64	18048.55	18049.96	18050.71	18050.64	18052.24
16.0	18016.44	18017.82	18019.23	18021.73	18024.08	18026.09	18027.60	18028.43	18028.43	18030.13
16.5	17991.86	17993.38	17994.91	17997.54	18000.00	18002.13	18003.73	18004.65	18004.72	18006.70
17.0	17965.91	17967.58	17969.27	17972.03	17974.61	17976.83	17978.52	17979.50	17979.62	17981.85
17.5	17938.95	17940.77	17942.59	17945.48	17948.17	17950.46	17952.20	17953.18	17953.25	17955.53
18.0	17910.46	17912.41	17914.35	17917.36	17920.15	17922.53	17924.29	17925.27	17925.28	17927.58
18.5	17880.00	17882.01	17884.00	17887.13	17890.03	17892.50	17894.34	17895.38	17895.43	17897.82
19.0	17847.81	17849.86	17851.90	17855.12	17858.11	17860.66	17862.57	17863.65	17863.72	17866.21
19.5	17814.11	17816.26	17818.38	17821.67	17824.70	17827.25	17829.14	17830.16	17830.11	17832.65
20.0	17778.48	17780.73	17782.94	17786.28	17789.34	17791.91	17793.77	17794.71	17794.55	17797.13
20.5	17740.46	17742.79	17745.09	17748.51	17751.64	17754.26	17756.17	17757.16	17757.03	17759.66
21.0	17700.32	17702.72	17705.08	17708.58	17711.79	17714.48	17716.45	17717.49	17717.40	17720.10
21.5	17658.39	17660.80	17663.18	17666.73	17669.99	17672.72	17674.71	17675.74	17675.61	17678.39
22.0	17614.09	17616.50	17618.88	17622.50	17625.81	17628.59	17630.61	17631.63	17631.46	17634.32
22.5	17566.85	17569.30	17571.75	17575.48	17578.92	17581.82	17583.94	17585.06	17584.96	17587.80
23.0	17516.93	17519.41	17521.89	17525.71	17529.24	17532.23	17534.42	17535.60	17535.54	17538.38
23.5	17464.49	17466.89	17469.28	17473.07	17476.56	17479.48	17481.59	17482.66	17482.46	17485.44
24.0	17409.30	17411.62	17413.90	17417.61	17420.99	17423.79	17425.75	17426.63	17426.21	17429.41
24.5	17351.25	17353.59	17355.88	17359.51	17362.78	17365.42	17367.20	17367.87	17367.19	17370.70
25.0	17290.09	17292.45	17294.74	17298.27	17301.40	17303.88	17305.45	17305.88	17304.94	17308.72
25.5	17225.60	17227.92	17230.15	17233.52	17236.47	17238.75	17240.11	17240.32	17239.16	17242.96
26.0	17157.48	17159.71	17161.84	17165.07	17167.86	17169.97	17171.15	17171.18	17169.83	17173.59

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**CANDELA TABULATION - (Cont.)**

26.5	17085.22	17087.34	17089.34	17092.56	17095.34	17097.43	17098.56	17098.50	17097.04	17100.86
27.0	17009.14	17011.09	17012.94	17016.12	17018.86	17020.88	17021.94	17021.77	17020.14	17024.07
27.5	16929.57	16931.30	16932.93	16935.86	16938.34	16940.09	16940.86	16940.39	16938.45	16942.43
28.0	16845.89	16847.40	16848.78	16851.43	16853.60	16855.02	16855.43	16854.60	16852.27	16856.34
28.5	16757.46	16758.81	16760.03	16762.49	16764.46	16765.64	16765.76	16764.58	16761.85	16766.11
29.0	16664.59	16665.77	16666.79	16669.06	16670.79	16671.69	16671.48	16669.91	16666.72	16671.17
29.5	16567.55	16568.48	16569.21	16571.14	16572.50	16572.98	16572.31	16570.24	16566.52	16571.01
30.0	16465.73	16466.40	16466.83	16468.37	16469.28	16469.27	16468.09	16465.46	16461.14	16465.68
30.5	16358.62	16359.09	16359.28	16360.39	16360.81	16360.26	16358.46	16355.17	16350.15	16354.98
31.0	16246.15	16246.44	16246.40	16247.13	16247.10	16246.04	16243.68	16239.77	16234.09	16239.19
31.5	16128.07	16128.23	16128.03	16128.56	16128.29	16126.95	16124.26	16119.97	16113.84	16118.92
32.0	16004.41	16004.32	16003.86	16004.16	16003.64	16002.02	15999.03	15994.40	15987.88	15992.88
32.5	15875.22	15874.49	15873.39	15873.18	15872.18	15870.10	15866.67	15861.62	15854.71	15859.72
33.0	15740.26	15738.83	15737.04	15736.27	15734.73	15732.11	15728.15	15722.58	15715.17	15720.20
33.5	15599.32	15597.46	15595.20	15594.03	15592.02	15588.89	15584.34	15578.09	15569.91	15574.81
34.0	15452.30	15450.09	15447.44	15445.81	15443.28	15439.53	15434.27	15427.20	15418.07	15422.94
34.5	15299.29	15296.79	15293.74	15291.42	15288.07	15283.40	15277.10	15268.91	15258.58	15263.92
35.0	15139.45	15136.63	15133.17	15130.19	15126.08	15120.54	15113.31	15104.11	15092.70	15098.49
35.5	14971.73	14968.46	14964.55	14961.19	14956.70	14950.78	14943.15	14933.55	14921.73	14927.46
36.0	14796.82	14793.06	14788.69	14785.07	14780.36	14774.23	14766.38	14756.55	14744.48	14749.99
36.5	14614.89	14610.65	14605.84	14602.10	14597.28	14591.02	14582.99	14572.89	14560.42	14565.68
37.0	14426.37	14421.74	14416.52	14412.56	14407.48	14400.90	14392.48	14381.88	14368.81	14373.92
37.5	14232.55	14227.75	14222.23	14217.49	14211.49	14203.88	14194.34	14182.57	14168.28	14173.71
38.0	14031.06	14026.15	14020.39	14014.86	14007.92	13999.26	13988.58	13975.59	13960.06	13965.83
38.5	13818.97	13813.90	13807.93	13802.15	13794.90	13785.85	13774.69	13761.13	13744.92	13750.64
39.0	13599.24	13593.98	13587.81	13581.90	13574.47	13565.16	13553.65	13539.63	13522.82	13528.47
39.5	13374.65	13369.21	13362.80	13356.56	13348.70	13338.86	13326.70	13311.92	13294.21	13300.14
40.0	13142.70	13137.08	13130.42	13123.85	13115.59	13105.26	13092.50	13076.99	13058.46	13064.61
40.5	12901.42	12895.55	12888.62	12881.88	12873.41	12862.83	12849.77	12833.91	12814.95	12820.78
41.0	12652.03	12645.98	12638.86	12632.02	12623.43	12612.70	12599.46	12583.38	12564.13	12569.61
41.5	12394.81	12388.77	12381.65	12374.79	12366.17	12355.35	12341.98	12325.70	12306.20	12311.73
42.0	12130.67	12124.76	12117.74	12110.88	12102.20	12091.26	12077.69	12061.13	12041.26	12046.98
42.5	11861.18	11855.54	11848.68	11841.75	11832.85	11821.57	11807.51	11790.32	11769.67	11775.59
43.0	11584.61	11579.25	11572.56	11565.53	11556.39	11544.73	11530.15	11512.30	11490.86	11496.98
43.5	11299.26	11293.96	11287.28	11280.10	11270.74	11258.78	11243.82	11225.53	11203.57	11209.87
44.0	11006.63	11001.46	10994.87	10987.68	10978.24	10966.14	10950.99	10932.43	10910.15	10916.64
44.5	10707.46	10702.84	10696.77	10689.96	10680.83	10668.94	10653.88	10635.29	10612.82	10619.68
45.0	10402.25	10398.19	10392.64	10386.36	10377.70	10366.20	10351.43	10333.02	10310.62	10317.68
45.5	10091.10	10087.09	10081.65	10075.82	10067.66	10056.68	10042.45	10024.57	10002.65	10009.29
46.0	9776.00	9772.09	9766.80	9761.43	9753.77	9743.33	9729.63	9712.26	9690.82	9697.09
46.5	9459.12	9455.87	9451.20	9446.37	9439.18	9429.10	9415.67	9398.43	9376.98	9383.60
47.0	9140.08	9137.64	9133.70	9129.35	9122.51	9112.67	9099.33	9082.06	9060.44	9067.61
47.5	8818.75	8817.08	8813.79	8809.56	8802.71	8792.76	8779.25	8761.74	8739.87	8747.59
48.0	8496.50	8495.48	8492.76	8488.73	8482.00	8472.08	8458.54	8440.97	8419.01	8427.08
48.5	8173.92	8173.24	8170.91	8167.70	8161.80	8152.71	8139.94	8123.04	8101.62	8109.43
49.0	7853.15	7852.72	7850.70	7848.35	7843.36	7835.17	7823.25	7807.12	7786.33	7793.75
49.5	7536.37	7536.30	7534.63	7532.68	7528.07	7520.24	7508.65	7492.80	7472.25	7479.63
50.0	7224.09	7224.34	7222.97	7221.22	7216.80	7209.15	7197.73	7182.06	7161.68	7168.99
50.5	6917.40	6917.79	6916.56	6914.88	6910.54	6902.98	6891.70	6876.21	6856.09	6863.02
51.0	6616.77	6617.26	6616.13	6614.55	6610.34	6602.97	6591.94	6576.78	6557.06	6563.51
51.5	6322.70	6323.26	6322.28	6321.13	6317.46	6310.71	6300.39	6286.01	6267.14	6273.08
52.0	6036.29	6036.99	6036.23	6035.52	6032.38	6026.25	6016.61	6002.98	5984.92	5990.44
52.5	5758.73	5759.83	5759.44	5758.87	5755.84	5749.80	5740.27	5726.76	5708.84	5714.20
53.0	5490.36	5491.84	5491.81	5491.32	5488.36	5482.40	5472.97	5459.60	5441.89	5447.15
53.5	5232.12	5233.71	5233.86	5233.57	5230.91	5225.39	5216.53	5203.90	5187.11	5192.20
54.0	4983.47	4985.00	4985.21	4985.18	4982.95	4978.02	4969.96	4958.34	4942.77	4947.59

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**CANDELA TABULATION - (Cont.)**

54.5	4743.84	4745.11	4745.21	4745.56	4743.92	4739.79	4732.75	4722.35	4708.21	4712.48
55.0	4514.18	4515.22	4515.25	4515.92	4514.80	4511.41	4505.29	4496.02	4483.22	4487.03
55.5	4295.30	4296.48	4296.74	4297.50	4296.57	4293.48	4287.80	4279.14	4267.10	4270.99
56.0	4087.05	4088.39	4088.85	4089.59	4088.71	4085.77	4080.36	4072.11	4060.67	4064.78
56.5	3890.81	3892.14	3892.56	3893.12	3892.10	3889.12	3883.82	3875.86	3864.95	3869.38
57.0	3702.83	3703.74	3703.79	3704.38	3703.53	3700.85	3696.03	3688.72	3678.64	3682.93
57.5	3518.39	3517.64	3516.47	3518.07	3518.69	3517.83	3515.03	3509.84	3501.85	3504.34
58.0	3341.74	3339.68	3337.55	3339.94	3341.73	3342.33	3341.15	3337.65	3331.33	3332.25
58.5	3176.41	3175.31	3173.93	3175.52	3176.30	3175.78	3173.49	3169.00	3161.87	3163.54
59.0	3019.94	3020.09	3019.67	3020.16	3019.56	3017.52	3013.69	3007.77	2999.46	3002.31
59.5	2871.24	2871.21	2870.62	2870.77	2869.87	2867.60	2863.67	2857.79	2849.71	2852.73
60.0	2729.68	2729.21	2728.26	2728.29	2727.39	2725.25	2721.58	2716.09	2708.54	2711.49
60.5	2594.36	2593.92	2593.02	2593.01	2592.10	2590.01	2586.45	2581.15	2573.87	2576.84
61.0	2465.05	2464.68	2463.87	2463.86	2462.98	2460.95	2457.50	2452.36	2445.31	2448.34
61.5	2341.24	2340.76	2339.86	2339.80	2338.92	2336.93	2333.57	2328.58	2321.72	2324.84
62.0	2222.87	2222.22	2221.19	2221.04	2220.11	2218.14	2214.86	2210.01	2203.38	2206.60
62.5	2109.64	2108.80	2107.62	2107.26	2106.20	2104.17	2100.92	2096.23	2089.89	2093.24
63.0	2001.82	2000.77	1999.43	1998.89	1997.72	1995.67	1992.53	1988.06	1982.09	1985.50
63.5	1899.57	1898.31	1896.82	1896.30	1895.24	1893.39	1890.53	1886.46	1880.97	1884.22
64.0	1802.98	1801.45	1799.77	1799.28	1798.35	1796.75	1794.25	1790.63	1785.71	1788.66
64.5	1712.58	1710.53	1708.43	1707.86	1707.01	1705.65	1703.57	1700.56	1696.44	1698.82
65.0	1627.24	1624.84	1622.45	1621.70	1620.77	1619.45	1617.55	1614.86	1611.22	1613.30
65.5	1546.21	1544.25	1542.19	1541.08	1539.66	1537.76	1535.19	1531.82	1527.48	1530.42
66.0	1468.87	1467.35	1465.63	1464.16	1462.24	1459.73	1456.47	1452.35	1447.25	1451.01
66.5	1394.15	1392.25	1390.21	1388.57	1386.55	1384.02	1380.83	1376.87	1371.99	1375.34
67.0	1322.69	1320.30	1317.85	1316.13	1314.15	1311.76	1308.84	1305.23	1300.82	1303.44
67.5	1255.12	1252.67	1250.17	1248.42	1246.44	1244.10	1241.25	1237.78	1233.56	1235.71
68.0	1190.41	1188.00	1185.53	1183.81	1181.89	1179.61	1176.87	1173.55	1169.52	1171.36
68.5	1127.50	1125.02	1122.53	1120.90	1119.12	1117.05	1114.55	1111.52	1107.83	1109.66
69.0	1067.16	1064.61	1062.09	1060.57	1058.95	1057.09	1054.86	1052.14	1048.81	1050.73
69.5	1009.82	1007.22	1004.70	1003.27	1001.79	1000.12	998.13	995.70	992.70	994.64
70.0	955.43	952.82	950.30	948.89	947.45	945.86	944.00	941.73	938.95	940.84
70.5	904.49	901.91	899.41	897.81	896.18	894.39	892.32	889.88	886.96	888.70
71.0	855.78	853.27	850.79	849.01	847.15	845.12	842.82	840.15	837.03	838.59
71.5	808.19	805.73	803.30	801.44	799.50	797.38	794.99	792.26	789.10	790.61
72.0	762.02	759.64	757.27	755.47	753.59	751.54	749.24	746.61	743.57	745.04
72.5	716.99	714.72	712.52	711.05	709.55	707.93	706.10	703.97	701.45	702.82
73.0	673.80	671.62	669.56	668.38	667.22	665.99	664.58	662.89	660.83	662.09
73.5	633.39	631.16	629.04	627.74	626.45	625.06	623.50	621.65	619.44	620.62
74.0	594.77	592.50	590.31	588.83	587.33	585.73	583.93	581.86	579.42	580.51
74.5	557.24	555.06	552.95	551.53	550.10	548.59	546.91	544.99	542.76	543.64
75.0	520.83	518.78	516.82	515.53	514.25	512.90	511.41	509.71	507.72	508.42
75.5	485.31	483.43	481.63	480.48	479.33	478.10	476.70	475.07	473.12	473.78
76.0	450.70	449.01	447.39	446.38	445.36	444.23	442.91	441.31	439.36	440.06
76.5	416.85	415.41	414.03	413.12	412.17	411.09	409.80	408.24	406.33	407.23
77.0	383.99	382.74	381.53	380.71	379.84	378.84	377.63	376.16	374.37	375.41
77.5	352.50	351.17	349.91	349.21	348.50	347.70	346.73	345.53	344.02	344.84
78.0	321.80	320.36	319.02	318.46	317.93	317.35	316.65	315.73	314.53	315.12
78.5	291.16	289.79	288.53	288.12	287.75	287.34	286.81	286.08	285.07	285.79
79.0	261.42	260.19	259.07	258.79	258.55	258.27	257.86	257.26	256.36	257.23
79.5	233.17	232.11	231.15	230.93	230.74	230.51	230.17	229.62	228.81	229.57
80.0	206.47	205.60	204.81	204.64	204.49	204.28	203.94	203.40	202.61	203.19
80.5	181.90	181.26	180.67	180.58	180.45	180.22	179.82	179.17	178.22	178.60
81.0	158.46	158.02	157.60	157.60	157.54	157.34	156.94	156.27	155.27	155.54
81.5	134.81	134.44	134.13	134.28	134.43	134.51	134.44	134.17	133.64	134.22
82.0	112.61	112.23	111.95	112.19	112.48	112.75	112.95	113.01	112.89	113.78

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**CANDELA TABULATION - (Cont.)**

82.5	93.33	92.86	92.46	92.47	92.50	92.49	92.38	92.14	91.71	92.51
83.0	76.12	75.63	75.18	74.97	74.73	74.42	73.98	73.38	72.57	73.11
83.5	60.53	60.35	60.17	60.09	59.95	59.72	59.35	58.82	58.09	58.31
84.0	46.84	47.01	47.17	47.33	47.42	47.40	47.26	46.95	46.47	46.40
84.5	34.99	35.34	35.69	36.11	36.46	36.74	36.90	36.93	36.80	36.65
85.0	25.52	25.98	26.45	27.05	27.62	28.13	28.56	28.88	29.06	28.90
85.5	19.38	19.87	20.36	20.97	21.54	22.06	22.50	22.85	23.06	22.96
86.0	15.35	15.78	16.21	16.70	17.17	17.58	17.92	18.16	18.30	18.27
86.5	12.68	12.86	13.05	13.31	13.55	13.76	13.91	13.99	13.98	13.94
87.0	11.00	10.95	10.90	10.95	10.98	10.99	10.96	10.89	10.76	10.70
87.5	9.76	9.69	9.63	9.62	9.61	9.58	9.53	9.44	9.32	9.29
88.0	8.77	8.76	8.76	8.79	8.81	8.83	8.82	8.80	8.75	8.74
88.5	7.47	7.54	7.63	7.80	7.96	8.12	8.26	8.36	8.42	8.43
89.0	6.39	6.52	6.67	6.95	7.23	7.50	7.74	7.94	8.08	8.10
89.5	5.89	6.00	6.11	6.33	6.55	6.76	6.95	7.10	7.20	7.22
90.0	5.87	5.88	5.89	5.93	5.96	5.99	6.00	5.99	5.96	5.98

**Vert.  
Angles**

**Horizontal Angles**

	<u>275.0</u>	<u>277.5</u>	<u>280.0</u>	<u>282.5</u>	<u>285.0</u>	<u>287.5</u>	<u>290.0</u>	<u>292.5</u>	<u>295.0</u>	<u>297.5</u>
0.0	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
0.5	18338.19	18338.13	18338.06	18338.00	18337.95	18337.98	18338.03	18338.09	18338.17	18338.25
1.0	18337.54	18337.44	18337.33	18337.21	18337.12	18337.16	18337.22	18337.30	18337.40	18337.51
1.5	18336.54	18336.44	18336.31	18336.17	18336.03	18336.02	18336.04	18336.07	18336.11	18336.18
2.0	18335.00	18334.90	18334.75	18334.58	18334.40	18334.36	18334.33	18334.32	18334.32	18334.34
2.5	18332.74	18332.55	18332.33	18332.10	18331.88	18331.89	18331.93	18332.00	18332.09	18332.18
3.0	18329.89	18329.64	18329.36	18329.08	18328.82	18328.87	18328.97	18329.11	18329.25	18329.41
3.5	18326.59	18326.41	18326.16	18325.87	18325.58	18325.56	18325.57	18325.59	18325.63	18325.68
4.0	18322.71	18322.61	18322.39	18322.10	18321.77	18321.66	18321.55	18321.46	18321.37	18321.30
4.5	18318.16	18318.02	18317.76	18317.41	18317.03	18316.87	18316.71	18316.58	18316.47	18316.39
5.0	18312.98	18312.79	18312.47	18312.08	18311.66	18311.50	18311.36	18311.25	18311.17	18311.13
5.5	18307.04	18306.89	18306.61	18306.25	18305.87	18305.85	18305.86	18305.88	18305.93	18305.99
6.0	18300.64	18300.52	18300.25	18299.91	18299.55	18299.66	18299.80	18299.96	18300.12	18300.27
6.5	18294.16	18293.93	18293.56	18293.11	18292.64	18292.70	18292.79	18292.91	18293.05	18293.20
7.0	18287.12	18286.80	18286.34	18285.78	18285.21	18285.16	18285.17	18285.21	18285.29	18285.39
7.5	18279.11	18278.88	18278.46	18277.92	18277.34	18277.26	18277.22	18277.20	18277.21	18277.24
8.0	18270.36	18270.25	18269.91	18269.42	18268.86	18268.79	18268.73	18268.68	18268.65	18268.63
8.5	18260.98	18260.89	18260.56	18260.10	18259.56	18259.55	18259.55	18259.57	18259.59	18259.63
9.0	18250.95	18250.89	18250.59	18250.14	18249.63	18249.70	18249.78	18249.87	18249.96	18250.06
9.5	18240.31	18240.36	18240.14	18239.76	18239.28	18239.39	18239.51	18239.62	18239.71	18239.79
10.0	18229.09	18229.24	18229.10	18228.75	18228.29	18228.44	18228.57	18228.68	18228.76	18228.80
10.5	18217.43	18217.61	18217.45	18217.07	18216.56	18216.71	18216.85	18216.95	18217.02	18217.04
11.0	18205.06	18205.20	18204.98	18204.52	18203.94	18204.11	18204.26	18204.38	18204.46	18204.49
11.5	18191.67	18191.69	18191.37	18190.83	18190.19	18190.42	18190.66	18190.88	18191.06	18191.17
12.0	18177.39	18177.30	18176.88	18176.26	18175.57	18175.84	18176.14	18176.44	18176.70	18176.89
12.5	18162.25	18162.14	18161.69	18161.02	18160.27	18160.49	18160.73	18160.97	18161.18	18161.34
13.0	18146.32	18146.22	18145.75	18145.03	18144.21	18144.34	18144.48	18144.63	18144.75	18144.82
13.5	18129.77	18129.64	18129.11	18128.31	18127.38	18127.43	18127.48	18127.53	18127.56	18127.56
14.0	18112.30	18112.17	18111.60	18110.73	18109.73	18109.69	18109.66	18109.62	18109.55	18109.46
14.5	18093.64	18093.60	18093.09	18092.26	18091.25	18091.16	18091.05	18090.92	18090.76	18090.57
15.0	18073.87	18073.95	18073.51	18072.73	18071.74	18071.62	18071.46	18071.25	18071.01	18070.72
15.5	18053.02	18053.13	18052.72	18051.95	18050.96	18050.83	18050.66	18050.44	18050.16	18049.84
16.0	18030.99	18031.15	18030.78	18030.02	18029.03	18028.89	18028.70	18028.44	18028.12	18027.74
16.5	18007.77	18008.11	18007.86	18007.17	18006.21	18005.98	18005.65	18005.23	18004.74	18004.18
17.0	17983.14	17983.63	17983.49	17982.86	17981.90	17981.60	17981.15	17980.59	17979.94	17979.21
17.5	17956.84	17957.33	17957.16	17956.49	17955.50	17955.20	17954.76	17954.21	17953.57	17952.85

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**CANDELA TABULATION - (Cont.)**

18.0	17928.87	17929.32	17929.11	17928.39	17927.36	17927.11	17926.73	17926.25	17925.66	17925.00
18.5	17899.18	17899.69	17899.51	17898.82	17897.80	17897.61	17897.28	17896.85	17896.32	17895.70
19.0	17867.64	17868.20	17868.06	17867.40	17866.41	17866.29	17866.05	17865.69	17865.22	17864.67
19.5	17834.10	17834.65	17834.49	17833.81	17832.80	17832.80	17832.68	17832.45	17832.10	17831.65
20.0	17798.59	17799.13	17798.95	17798.25	17797.23	17797.34	17797.33	17797.21	17796.98	17796.62
20.5	17761.16	17761.74	17761.59	17760.92	17759.94	17760.10	17760.14	17760.07	17759.87	17759.55
21.0	17721.65	17722.27	17722.15	17721.50	17720.54	17720.72	17720.79	17720.74	17720.57	17720.25
21.5	17679.98	17680.60	17680.46	17679.77	17678.75	17678.96	17679.06	17679.04	17678.89	17678.61
22.0	17635.94	17636.53	17636.34	17635.58	17634.49	17634.71	17634.83	17634.83	17634.71	17634.45
22.5	17589.37	17589.90	17589.63	17588.79	17587.63	17587.81	17587.90	17587.88	17587.77	17587.54
23.0	17539.93	17540.43	17540.12	17539.24	17538.04	17538.20	17538.28	17538.27	17538.18	17537.99
23.5	17487.11	17487.70	17487.47	17486.66	17485.52	17485.78	17485.95	17486.04	17486.04	17485.94
24.0	17431.27	17432.02	17431.93	17431.24	17430.20	17430.58	17430.87	17431.06	17431.14	17431.13
24.5	17372.83	17373.82	17373.92	17373.39	17372.47	17372.91	17373.23	17373.44	17373.52	17373.48
25.0	17311.08	17312.28	17312.56	17312.18	17311.38	17311.89	17312.25	17312.48	17312.58	17312.56
25.5	17245.35	17246.59	17246.93	17246.62	17245.93	17246.55	17247.05	17247.43	17247.69	17247.83
26.0	17175.95	17177.19	17177.55	17177.28	17176.65	17177.41	17178.06	17178.62	17179.06	17179.41
26.5	17103.27	17104.51	17104.86	17104.59	17103.95	17104.79	17105.54	17106.21	17106.78	17107.25
27.0	17026.53	17027.80	17028.17	17027.90	17027.28	17028.24	17029.13	17029.94	17030.66	17031.30
27.5	16944.96	16946.33	16946.81	16946.68	16946.23	16947.47	16948.66	16949.78	16950.81	16951.73
28.0	16858.96	16860.44	16861.05	16861.07	16860.79	16862.32	16863.80	16865.22	16866.55	16867.76
28.5	16768.88	16770.46	16771.13	16771.20	16770.96	16772.56	16774.13	16775.64	16777.09	16778.44
29.0	16674.07	16675.74	16676.48	16676.59	16676.39	16678.05	16679.70	16681.31	16682.88	16684.38
29.5	16573.95	16575.68	16576.50	16576.72	16576.67	16578.60	16580.54	16582.47	16584.38	16586.24
30.0	16468.70	16470.52	16471.46	16471.83	16471.95	16474.13	16476.35	16478.59	16480.82	16483.02
30.5	16358.28	16360.35	16361.52	16362.10	16362.40	16364.61	16366.85	16369.12	16371.41	16373.71
31.0	16242.72	16245.00	16246.36	16247.10	16247.53	16249.75	16251.99	16254.27	16256.60	16258.98
31.5	16122.39	16124.60	16125.87	16126.54	16126.94	16129.28	16131.69	16134.16	16136.72	16139.36
32.0	15996.25	15998.34	15999.51	16000.10	16000.47	16003.02	16005.69	16008.46	16011.34	16014.31
32.5	15863.14	15865.32	15866.61	15867.36	15867.94	15870.83	15873.88	15877.05	15880.35	15883.74
33.0	15723.67	15725.93	15727.35	15728.28	15729.07	15732.33	15735.77	15739.37	15743.10	15746.93
33.5	15578.14	15580.30	15581.64	15582.54	15583.37	15586.91	15590.70	15594.70	15598.85	15603.12
34.0	15426.24	15428.34	15429.64	15430.52	15431.37	15435.10	15439.13	15443.41	15447.88	15452.48
34.5	15267.61	15270.05	15271.63	15272.73	15273.75	15277.48	15281.47	15285.71	15290.17	15294.82
35.0	15102.57	15105.32	15107.16	15108.46	15109.62	15113.30	15117.23	15121.40	15125.81	15130.47
35.5	14931.46	14934.13	14935.89	14937.13	14938.27	14942.06	14946.14	14950.50	14955.13	14960.04
36.0	14753.75	14756.19	14757.73	14758.80	14759.81	14763.71	14767.95	14772.51	14777.39	14782.57
36.5	14569.14	14571.27	14572.49	14573.26	14574.02	14577.85	14582.08	14586.69	14591.67	14596.99
37.0	14377.21	14379.13	14380.14	14380.70	14381.26	14385.00	14389.18	14393.79	14398.80	14404.22
37.5	14177.29	14179.48	14180.73	14181.51	14182.25	14185.95	14190.08	14194.63	14199.63	14205.09
38.0	13969.75	13972.25	13973.80	13974.85	13975.82	13979.55	13983.68	13988.24	13993.27	13998.80
38.5	13754.51	13756.98	13758.51	13759.57	13760.59	13764.50	13768.85	13773.65	13778.93	13784.72
39.0	13532.24	13534.60	13536.03	13536.99	13537.96	13542.03	13546.58	13551.61	13557.14	13563.18
39.5	13304.04	13306.40	13307.74	13308.55	13309.33	13313.32	13317.80	13322.77	13328.28	13334.34
40.0	13068.58	13070.91	13072.12	13072.75	13073.32	13077.22	13081.61	13086.52	13091.98	13098.03
40.5	12824.47	12826.57	12827.59	12828.09	12828.59	12832.62	12837.19	12842.29	12847.94	12854.13
41.0	12573.00	12574.84	12575.66	12576.01	12576.42	12580.57	12585.28	12590.54	12596.33	12602.64
41.5	12315.07	12316.77	12317.40	12317.51	12317.66	12321.65	12326.20	12331.32	12336.99	12343.20
42.0	12050.37	12052.01	12052.50	12052.40	12052.30	12056.06	12060.38	12065.26	12070.71	12076.74
42.5	11779.10	11780.80	11781.29	11781.14	11780.93	11784.50	11788.61	11793.27	11798.50	11804.30
43.0	11500.65	11502.45	11502.98	11502.83	11502.59	11506.06	11510.04	11514.54	11519.58	11525.21
43.5	11213.66	11215.54	11216.12	11216.00	11215.76	11219.39	11223.50	11228.11	11233.21	11238.82
44.0	10920.55	10922.50	10923.10	10922.96	10922.68	10926.43	10930.65	10935.31	10940.43	10945.99
44.5	10623.79	10625.81	10626.36	10626.07	10625.57	10629.02	10632.89	10637.18	10641.91	10647.09
45.0	10321.88	10323.86	10324.27	10323.77	10322.98	10326.15	10329.70	10333.65	10338.04	10342.88
45.5	10013.09	10014.69	10014.77	10013.99	10013.01	10016.37	10020.15	10024.36	10028.98	10034.00

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

46.0	9700.52	9701.77	9701.54	9700.50	9699.33	9702.84	9706.83	9711.25	9716.06	9721.20
46.5	9387.20	9388.48	9388.16	9386.91	9385.44	9388.64	9392.27	9396.29	9400.68	9405.40
47.0	9071.61	9073.13	9072.88	9071.58	9069.91	9072.61	9075.64	9079.00	9082.70	9086.73
47.5	8752.16	8754.24	8754.49	8753.56	8752.09	8754.21	8756.48	8758.97	8761.73	8764.80
48.0	8432.04	8434.51	8435.09	8434.41	8433.06	8434.65	8436.26	8437.98	8439.91	8442.13
48.5	8113.98	8115.94	8115.95	8114.66	8112.72	8114.08	8115.49	8117.03	8118.77	8120.78
49.0	7797.78	7799.11	7798.45	7796.48	7793.91	7795.16	7796.53	7798.06	7799.78	7801.73
49.5	7483.63	7484.95	7484.27	7482.28	7479.67	7480.86	7482.14	7483.53	7485.07	7486.80
50.0	7173.00	7174.37	7173.77	7171.86	7169.31	7170.42	7171.58	7172.80	7174.14	7175.62
50.5	6866.72	6867.85	6867.05	6864.98	6862.28	6863.18	6864.13	6865.16	6866.31	6867.59
51.0	6566.80	6567.59	6566.50	6564.18	6561.27	6561.88	6562.56	6563.34	6564.24	6565.30
51.5	6275.94	6276.34	6274.90	6272.27	6269.04	6269.29	6269.60	6270.01	6270.54	6271.23
52.0	5992.91	5992.97	5991.23	5988.29	5984.78	5984.66	5984.60	5984.62	5984.76	5985.06
52.5	5716.53	5716.46	5714.58	5711.50	5707.83	5707.50	5707.20	5706.96	5706.82	5706.81
53.0	5449.41	5449.27	5447.32	5444.16	5440.38	5439.82	5439.27	5438.74	5438.28	5437.92
53.5	5194.35	5194.15	5192.16	5188.94	5185.06	5184.06	5183.00	5181.95	5180.96	5180.07
54.0	4949.56	4949.24	4947.17	4943.87	4939.89	4938.50	4937.01	4935.50	4934.02	4932.66
54.5	4714.01	4713.33	4710.98	4707.47	4703.33	4701.89	4700.38	4698.83	4697.29	4695.79
55.0	4488.20	4487.24	4484.67	4481.00	4476.75	4475.30	4473.80	4472.24	4470.66	4469.07
55.5	4272.27	4271.45	4269.02	4265.47	4261.29	4259.54	4257.69	4255.78	4253.85	4251.96
56.0	4066.31	4065.74	4063.54	4060.17	4056.10	4054.06	4051.86	4049.57	4047.25	4045.00
56.5	3871.24	3870.97	3869.03	3865.85	3861.88	3859.72	3857.27	3854.62	3851.81	3848.92
57.0	3684.68	3684.33	3682.33	3679.11	3675.12	3673.17	3670.90	3668.35	3665.54	3662.50
57.5	3504.40	3502.55	3499.30	3495.15	3490.61	3489.78	3488.97	3488.07	3486.97	3485.57
58.0	3330.92	3327.90	3323.74	3319.00	3314.20	3314.29	3314.67	3315.15	3315.52	3315.57
58.5	3163.30	3161.57	3158.76	3155.30	3151.60	3151.00	3150.48	3149.94	3149.29	3148.44
59.0	3003.58	3003.52	3002.40	3000.49	2998.03	2996.51	2994.75	2992.81	2990.74	2988.59
59.5	2854.28	2854.60	2853.91	2852.42	2850.34	2848.70	2846.77	2844.63	2842.37	2840.05
60.0	2713.03	2713.38	2712.75	2711.37	2709.43	2707.94	2706.17	2704.21	2702.13	2700.00
60.5	2578.45	2578.89	2578.38	2577.14	2575.37	2574.11	2572.59	2570.90	2569.09	2567.23
61.0	2450.00	2450.54	2450.15	2449.05	2447.46	2446.47	2445.27	2443.90	2442.42	2440.89
61.5	2326.65	2327.37	2327.20	2326.34	2325.01	2324.26	2323.29	2322.16	2320.92	2319.64
62.0	2208.59	2209.53	2209.62	2209.06	2208.03	2207.48	2206.71	2205.78	2204.74	2203.66
62.5	2095.45	2096.69	2097.12	2096.92	2096.24	2095.83	2095.18	2094.36	2093.43	2092.46
63.0	1987.85	1989.30	1990.00	1990.09	1989.72	1989.49	1989.01	1988.35	1987.58	1986.78
63.5	1886.46	1887.85	1888.55	1888.71	1888.47	1888.59	1888.51	1888.28	1887.95	1887.55
64.0	1790.67	1791.89	1792.50	1792.64	1792.47	1792.96	1793.30	1793.53	1793.65	1793.69
64.5	1700.41	1701.35	1701.79	1701.89	1701.79	1702.54	1703.22	1703.83	1704.34	1704.75
65.0	1614.71	1615.57	1616.03	1616.21	1616.23	1617.07	1617.86	1618.60	1619.26	1619.82
65.5	1532.66	1534.29	1535.42	1536.14	1536.55	1536.99	1537.25	1537.39	1537.44	1537.45
66.0	1454.02	1456.35	1458.07	1459.26	1459.99	1460.10	1459.93	1459.58	1459.15	1458.76
66.5	1377.94	1379.89	1381.30	1382.28	1382.91	1383.41	1383.75	1384.01	1384.27	1384.60
67.0	1305.35	1306.70	1307.61	1308.23	1308.68	1309.72	1310.77	1311.85	1313.01	1314.26
67.5	1237.25	1238.30	1239.01	1239.52	1239.98	1241.34	1242.77	1244.27	1245.84	1247.47
68.0	1172.66	1173.55	1174.19	1174.68	1175.18	1176.75	1178.42	1180.16	1181.95	1183.75
68.5	1110.97	1111.90	1112.58	1113.14	1113.70	1115.32	1117.04	1118.84	1120.68	1122.53
69.0	1052.14	1053.16	1053.92	1054.55	1055.17	1056.77	1058.45	1060.21	1062.02	1063.84
69.5	996.06	997.11	997.89	998.54	999.17	1000.73	1002.38	1004.09	1005.85	1007.63
70.0	942.25	943.28	944.07	944.71	945.34	946.86	948.46	950.12	951.84	953.59
70.5	889.99	890.97	891.73	892.38	893.03	894.49	896.05	897.69	899.40	901.18
71.0	839.78	840.69	841.43	842.09	842.78	844.21	845.76	847.41	849.15	850.98
71.5	791.77	792.69	793.46	794.18	794.94	796.45	798.09	799.84	801.69	803.62
72.0	746.18	747.09	747.87	748.60	749.39	750.96	752.67	754.49	756.40	758.40
72.5	703.85	704.64	705.29	705.90	706.55	708.00	709.58	711.28	713.09	714.98
73.0	663.01	663.67	664.19	664.65	665.16	666.46	667.90	669.47	671.14	672.92
73.5	621.49	622.12	622.62	623.09	623.61	624.90	626.33	627.89	629.57	631.36



**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>74.0</b>	581.30	581.90	582.39	582.85	583.39	584.68	586.11	587.68	589.38	591.18
<b>74.5</b>	544.25	544.68	545.03	545.37	545.81	547.01	548.38	549.89	551.54	553.31
<b>75.0</b>	508.86	509.13	509.32	509.52	509.82	510.90	512.15	513.57	515.13	516.83
<b>75.5</b>	474.15	474.34	474.44	474.53	474.70	475.64	476.74	478.01	479.43	481.00
<b>76.0</b>	440.46	440.63	440.69	440.71	440.80	441.56	442.48	443.56	444.80	446.20
<b>76.5</b>	407.79	408.10	408.25	408.32	408.39	408.97	409.65	410.48	411.46	412.62
<b>77.0</b>	376.09	376.50	376.71	376.81	376.87	377.28	377.77	378.38	379.14	380.08
<b>77.5</b>	345.32	345.54	345.58	345.53	345.46	345.81	346.25	346.81	347.51	348.39
<b>78.0</b>	315.39	315.42	315.30	315.10	314.92	315.24	315.68	316.23	316.92	317.76
<b>78.5</b>	286.17	286.30	286.26	286.13	285.98	286.28	286.66	287.14	287.74	288.47
<b>79.0</b>	257.75	258.01	258.09	258.05	257.98	258.26	258.60	259.03	259.56	260.20
<b>79.5</b>	230.03	230.25	230.31	230.28	230.23	230.58	230.99	231.49	232.07	232.76
<b>80.0</b>	203.51	203.62	203.59	203.51	203.42	203.79	204.24	204.78	205.40	206.12
<b>80.5</b>	178.69	178.59	178.35	178.05	177.77	177.97	178.27	178.67	179.18	179.81
<b>81.0</b>	155.52	155.28	154.90	154.45	154.00	153.97	154.04	154.23	154.54	154.99
<b>81.5</b>	134.50	134.54	134.38	134.09	133.74	133.49	133.27	133.13	133.09	133.21
<b>82.0</b>	114.36	114.68	114.78	114.70	114.49	114.12	113.73	113.36	113.08	112.94
<b>82.5</b>	93.02	93.29	93.37	93.30	93.14	92.95	92.76	92.60	92.52	92.56
<b>83.0</b>	73.41	73.51	73.47	73.34	73.18	73.23	73.32	73.46	73.68	73.99
<b>83.5</b>	58.33	58.21	58.00	57.75	57.52	57.64	57.83	58.10	58.46	58.90
<b>84.0</b>	46.18	45.86	45.49	45.13	44.82	44.96	45.20	45.53	45.94	46.44
<b>84.5</b>	36.36	35.99	35.58	35.19	34.86	35.02	35.27	35.60	35.99	36.43
<b>85.0</b>	28.63	28.28	27.89	27.52	27.20	27.36	27.59	27.88	28.20	28.52
<b>85.5</b>	22.76	22.49	22.18	21.88	21.61	21.73	21.90	22.11	22.32	22.52
<b>86.0</b>	18.14	17.96	17.75	17.53	17.32	17.40	17.50	17.61	17.72	17.81
<b>86.5</b>	13.84	13.71	13.55	13.39	13.24	13.27	13.31	13.36	13.41	13.45
<b>87.0</b>	10.62	10.51	10.40	10.29	10.18	10.16	10.16	10.16	10.17	10.19
<b>87.5</b>	9.23	9.17	9.09	9.01	8.94	8.90	8.87	8.84	8.81	8.79
<b>88.0</b>	8.71	8.67	8.61	8.55	8.48	8.44	8.39	8.34	8.29	8.25
<b>88.5</b>	8.40	8.34	8.26	8.17	8.07	8.02	7.98	7.93	7.88	7.83
<b>89.0</b>	8.07	8.00	7.90	7.78	7.65	7.62	7.58	7.54	7.50	7.46
<b>89.5</b>	7.20	7.15	7.08	6.99	6.90	6.87	6.85	6.82	6.80	6.77
<b>90.0</b>	5.98	5.97	5.95	5.93	5.91	5.90	5.90	5.89	5.89	5.89

**Vert.  
Angles**

**Horizontal Angles**

	<u><b>300.0</b></u>	<u><b>302.5</b></u>	<u><b>305.0</b></u>	<u><b>307.5</b></u>	<u><b>310.0</b></u>	<u><b>312.5</b></u>	<u><b>315.0</b></u>	<u><b>317.5</b></u>	<u><b>320.0</b></u>	<u><b>322.5</b></u>
<b>0.0</b>	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
<b>0.5</b>	18338.32	18338.39	18338.45	18338.50	18338.55	18338.59	18338.63	18338.64	18338.63	18338.63
<b>1.0</b>	18337.62	18337.72	18337.82	18337.91	18337.99	18338.06	18338.12	18338.11	18338.09	18338.07
<b>1.5</b>	18336.25	18336.36	18336.47	18336.58	18336.68	18336.77	18336.84	18336.80	18336.73	18336.66
<b>2.0</b>	18334.38	18334.47	18334.58	18334.68	18334.78	18334.86	18334.93	18334.85	18334.75	18334.66
<b>2.5</b>	18332.28	18332.34	18332.40	18332.45	18332.49	18332.51	18332.52	18332.47	18332.41	18332.35
<b>3.0</b>	18329.55	18329.58	18329.60	18329.59	18329.57	18329.54	18329.51	18329.49	18329.47	18329.44
<b>3.5</b>	18325.73	18325.74	18325.74	18325.74	18325.73	18325.71	18325.69	18325.68	18325.65	18325.62
<b>4.0</b>	18321.25	18321.27	18321.29	18321.33	18321.37	18321.40	18321.42	18321.37	18321.31	18321.23
<b>4.5</b>	18316.34	18316.46	18316.61	18316.77	18316.93	18317.05	18317.14	18317.01	18316.84	18316.63
<b>5.0</b>	18311.13	18311.34	18311.57	18311.80	18312.02	18312.20	18312.31	18312.11	18311.83	18311.51
<b>5.5</b>	18306.06	18306.16	18306.26	18306.34	18306.39	18306.41	18306.38	18306.16	18305.90	18305.61
<b>6.0</b>	18300.39	18300.38	18300.34	18300.27	18300.16	18300.02	18299.85	18299.65	18299.42	18299.18
<b>6.5</b>	18293.33	18293.40	18293.44	18293.45	18293.42	18293.36	18293.24	18293.03	18292.76	18292.46
<b>7.0</b>	18285.51	18285.66	18285.81	18285.93	18286.03	18286.07	18286.05	18285.81	18285.51	18285.14
<b>7.5</b>	18277.29	18277.43	18277.56	18277.67	18277.76	18277.80	18277.78	18277.54	18277.23	18276.87
<b>8.0</b>	18268.63	18268.71	18268.80	18268.88	18268.92	18268.92	18268.87	18268.62	18268.31	18267.95
<b>8.5</b>	18259.66	18259.74	18259.81	18259.86	18259.87	18259.83	18259.73	18259.46	18259.12	18258.72
<b>9.0</b>	18250.14	18250.20	18250.24	18250.25	18250.20	18250.10	18249.94	18249.60	18249.20	18248.74

CANDELA TABULATION - (Cont.)

9.5	18239.84	18239.85	18239.82	18239.74	18239.60	18239.40	18239.12	18238.64	18238.09	18237.50
10.0	18228.80	18228.74	18228.63	18228.45	18228.21	18227.89	18227.49	18226.86	18226.16	18225.43
10.5	18217.01	18216.87	18216.67	18216.40	18216.06	18215.64	18215.14	18214.42	18213.64	18212.83
11.0	18204.45	18204.24	18203.96	18203.60	18203.16	18202.64	18202.05	18201.27	18200.43	18199.56
11.5	18191.20	18190.93	18190.57	18190.11	18189.56	18188.93	18188.23	18187.39	18186.50	18185.60
12.0	18176.98	18176.69	18176.29	18175.78	18175.17	18174.47	18173.70	18172.80	18171.86	18170.90
12.5	18161.41	18161.20	18160.89	18160.47	18159.95	18159.31	18158.58	18157.60	18156.54	18155.44
13.0	18144.84	18144.71	18144.50	18144.18	18143.76	18143.22	18142.56	18141.52	18140.38	18139.17
13.5	18127.51	18127.36	18127.13	18126.82	18126.41	18125.90	18125.27	18124.31	18123.25	18122.11
14.0	18109.33	18109.13	18108.86	18108.52	18108.10	18107.58	18106.96	18106.08	18105.09	18104.02
14.5	18090.34	18090.11	18089.83	18089.47	18089.04	18088.50	18087.85	18086.89	18085.83	18084.68
15.0	18070.40	18070.14	18069.83	18069.44	18068.96	18068.38	18067.68	18066.61	18065.42	18064.13
15.5	18049.47	18049.15	18048.76	18048.29	18047.73	18047.05	18046.26	18045.10	18043.82	18042.45
16.0	18027.30	18026.91	18026.44	18025.89	18025.24	18024.47	18023.58	18022.32	18020.93	18019.45
16.5	18003.57	18003.11	18002.60	18002.00	18001.31	18000.50	17999.54	17998.12	17996.56	17994.91
17.0	17978.45	17977.95	17977.40	17976.78	17976.05	17975.20	17974.18	17972.61	17970.89	17969.06
17.5	17952.08	17951.55	17950.97	17950.31	17949.54	17948.63	17947.55	17945.92	17944.13	17942.23
18.0	17924.28	17923.76	17923.16	17922.47	17921.66	17920.70	17919.56	17917.87	17916.01	17914.03
18.5	17895.02	17894.55	17893.99	17893.33	17892.52	17891.53	17890.34	17888.49	17886.45	17884.26
19.0	17864.04	17863.61	17863.08	17862.43	17861.60	17860.58	17859.33	17857.32	17855.10	17852.72
19.5	17831.10	17830.63	17830.03	17829.28	17828.36	17827.23	17825.87	17823.81	17821.54	17819.11
20.0	17796.14	17795.61	17794.93	17794.08	17793.05	17791.81	17790.35	17788.28	17786.01	17783.59
20.5	17759.08	17758.53	17757.82	17756.93	17755.86	17754.57	17753.07	17750.98	17748.69	17746.25
21.0	17719.79	17719.23	17718.51	17717.61	17716.52	17715.21	17713.69	17711.61	17709.34	17706.91
21.5	17678.17	17677.58	17676.82	17675.88	17674.77	17673.45	17671.94	17669.95	17667.79	17665.48
22.0	17634.04	17633.47	17632.74	17631.84	17630.75	17629.47	17628.00	17626.08	17623.99	17621.76
22.5	17587.19	17586.81	17586.28	17585.57	17584.68	17583.57	17582.23	17580.22	17577.99	17575.61
23.0	17537.71	17537.53	17537.22	17536.73	17536.04	17535.10	17533.88	17531.77	17529.39	17526.83
23.5	17485.74	17485.63	17485.38	17484.95	17484.30	17483.41	17482.22	17480.13	17477.77	17475.21
24.0	17430.99	17430.91	17430.69	17430.28	17429.64	17428.76	17427.58	17425.54	17423.23	17420.72
24.5	17373.34	17373.29	17373.10	17372.73	17372.13	17371.28	17370.14	17368.12	17365.82	17363.32
25.0	17312.43	17312.46	17312.34	17312.04	17311.53	17310.75	17309.67	17307.65	17305.35	17302.85
25.5	17247.87	17248.10	17248.19	17248.08	17247.73	17247.11	17246.14	17244.09	17241.73	17239.15
26.0	17179.66	17180.11	17180.41	17180.51	17180.35	17179.89	17179.08	17177.05	17174.71	17172.12
26.5	17107.64	17108.21	17108.64	17108.88	17108.87	17108.57	17107.92	17106.17	17104.10	17101.78
27.0	17031.84	17032.51	17033.05	17033.39	17033.50	17033.33	17032.84	17031.39	17029.64	17027.62
27.5	16952.54	16953.32	16953.93	16954.32	16954.48	16954.35	16953.90	16952.59	16950.97	16949.11
28.0	16868.84	16869.78	16870.52	16871.03	16871.28	16871.24	16870.88	16869.67	16868.16	16866.41
28.5	16779.68	16780.91	16781.96	16782.81	16783.39	16783.68	16783.62	16782.57	16781.20	16779.57
29.0	16685.81	16687.39	16688.83	16690.07	16691.05	16691.72	16692.02	16691.16	16689.94	16688.44
29.5	16588.03	16589.95	16591.71	16593.27	16594.56	16595.51	16596.08	16595.40	16594.34	16592.99
30.0	16485.16	16487.46	16489.61	16491.54	16493.19	16494.49	16495.37	16494.90	16494.02	16492.82
30.5	16376.01	16378.82	16381.54	16384.08	16386.34	16388.23	16389.66	16389.44	16388.76	16387.71
31.0	16261.44	16264.74	16268.00	16271.11	16273.96	16276.43	16278.40	16278.45	16278.00	16277.14
31.5	16142.09	16145.64	16149.17	16152.56	16155.69	16158.45	16160.71	16161.07	16160.92	16160.36
32.0	16017.38	16021.13	16024.87	16028.46	16031.79	16034.76	16037.26	16037.95	16038.14	16037.93
32.5	15887.20	15891.25	15895.25	15899.10	15902.70	15905.93	15908.70	15909.76	15910.33	15910.50
33.0	15750.83	15755.19	15759.48	15763.61	15767.49	15771.00	15774.05	15775.51	15776.49	15777.05
33.5	15607.46	15612.10	15616.66	15621.06	15625.20	15628.99	15632.34	15634.21	15635.60	15636.59
34.0	15457.18	15462.15	15467.06	15471.81	15476.33	15480.49	15484.23	15486.52	15488.34	15489.76
34.5	15299.63	15305.10	15310.60	15315.99	15321.18	15326.02	15330.42	15333.17	15335.41	15337.22
35.0	15135.37	15141.33	15147.39	15153.41	15159.26	15164.78	15169.84	15173.05	15175.73	15177.95
35.5	14965.21	14971.43	14977.77	14984.09	14990.26	14996.12	15001.54	15005.21	15008.35	15011.03
36.0	14788.02	14794.44	14800.99	14807.54	14813.96	14820.10	14825.84	14829.96	14833.59	14836.78
36.5	14602.63	14609.26	14616.07	14622.92	14629.68	14636.21	14642.38	14647.04	14651.25	14655.03
37.0	14410.02	14416.94	14424.09	14431.33	14438.51	14445.50	14452.16	14457.31	14462.02	14466.31

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**CANDELA TABULATION - (Cont.)**

37.5	14211.01	14218.46	14226.23	14234.12	14241.98	14249.62	14256.88	14262.27	14267.16	14271.59
38.0	14004.86	14012.82	14021.14	14029.64	14038.10	14046.33	14054.13	14059.75	14064.80	14069.36
38.5	13791.04	13799.14	13807.61	13816.25	13824.89	13833.32	13841.37	13847.44	13852.99	13858.07
39.0	13569.74	13577.91	13586.44	13595.16	13603.89	13612.46	13620.69	13627.21	13633.24	13638.83
39.5	13340.97	13349.46	13358.34	13367.45	13376.58	13385.54	13394.15	13400.80	13406.95	13412.64
40.0	13104.70	13113.37	13122.48	13131.85	13141.26	13150.50	13159.39	13166.19	13172.48	13178.33
40.5	12860.90	12869.23	12877.96	12886.95	12896.02	12905.01	12913.77	12921.06	12927.96	12934.49
41.0	12609.46	12617.38	12625.68	12634.23	12642.91	12651.60	12660.19	12668.02	12675.59	12682.87
41.5	12349.94	12357.82	12366.11	12374.69	12383.45	12392.28	12401.06	12409.29	12417.31	12425.07
42.0	12083.34	12091.24	12099.60	12108.30	12117.23	12126.25	12135.26	12143.73	12152.01	12160.04
42.5	11810.71	11818.59	11826.96	11835.70	11844.66	11853.74	11862.79	11871.14	11879.30	11887.24
43.0	11531.42	11539.15	11547.37	11555.96	11564.79	11573.74	11582.68	11590.88	11598.92	11606.77
43.5	11244.94	11252.13	11259.76	11267.75	11276.00	11284.45	11293.00	11301.42	11309.80	11318.09
44.0	10951.98	10958.62	10965.65	10973.02	10980.69	10988.61	10996.74	11005.33	11013.99	11022.64
44.5	10652.72	10659.23	10666.15	10673.44	10681.02	10688.85	10696.88	10705.15	10713.47	10721.78
45.0	10348.20	10354.59	10361.41	10368.60	10376.08	10383.79	10391.65	10399.49	10407.36	10415.22
45.5	10039.41	10045.32	10051.58	10058.15	10064.98	10072.04	10079.30	10086.91	10094.61	10102.34
46.0	9726.64	9732.05	9737.71	9743.62	9749.77	9756.17	9762.82	9770.21	9777.76	9785.39
46.5	9410.42	9415.55	9420.95	9426.61	9432.52	9438.68	9445.09	9452.22	9459.50	9466.86
47.0	9091.10	9095.95	9101.11	9106.58	9112.33	9118.35	9124.60	9131.44	9138.42	9145.46
47.5	8768.25	8772.61	8777.37	8782.49	8787.94	8793.70	8799.73	8806.25	8812.94	8819.72
48.0	8444.75	8448.57	8452.83	8457.51	8462.55	8467.94	8473.63	8479.80	8486.17	8492.66
48.5	8123.13	8126.44	8130.14	8134.22	8138.66	8143.44	8148.54	8154.26	8160.20	8166.31
49.0	7803.97	7806.78	7809.90	7813.36	7817.14	7821.26	7825.70	7830.95	7836.45	7842.13
49.5	7488.75	7491.05	7493.63	7496.50	7499.67	7503.18	7507.03	7511.85	7516.94	7522.23
50.0	7177.27	7179.17	7181.31	7183.70	7186.39	7189.40	7192.75	7197.15	7201.84	7206.72
50.5	6869.06	6870.81	6872.80	6875.03	6877.53	6880.32	6883.42	6887.41	6891.65	6896.06
51.0	6566.56	6568.17	6570.02	6572.12	6574.47	6577.07	6579.95	6583.55	6587.35	6591.31
51.5	6272.11	6273.35	6274.82	6276.53	6278.49	6280.71	6283.21	6286.40	6289.81	6293.38
52.0	5985.53	5986.31	5987.32	5988.57	5990.08	5991.87	5993.95	5996.79	5999.89	6003.16
52.5	5706.94	5707.27	5707.81	5708.60	5709.66	5711.02	5712.71	5715.41	5718.38	5721.57
53.0	5437.70	5437.61	5437.73	5438.09	5438.74	5439.71	5441.05	5443.56	5446.39	5449.43
53.5	5179.34	5178.99	5178.88	5179.03	5179.46	5180.21	5181.28	5183.32	5185.63	5188.15
54.0	4931.46	4930.79	4930.38	4930.23	4930.37	4930.80	4931.55	4933.11	4934.93	4936.95
54.5	4694.37	4692.96	4691.73	4690.73	4690.03	4689.69	4689.75	4691.21	4693.03	4695.13
55.0	4467.48	4465.46	4463.56	4461.85	4460.45	4459.44	4458.91	4460.18	4461.91	4463.99
55.5	4250.15	4248.49	4246.99	4245.70	4244.64	4243.88	4243.43	4243.80	4244.49	4245.48
56.0	4042.87	4041.37	4040.07	4038.99	4038.13	4037.48	4037.05	4036.75	4036.70	4036.91
56.5	3846.03	3843.09	3840.29	3837.74	3835.52	3833.72	3832.43	3832.87	3833.80	3835.13
57.0	3659.25	3654.83	3650.43	3646.26	3642.52	3639.41	3637.14	3638.53	3640.72	3643.45
57.5	3483.75	3479.10	3474.23	3469.40	3464.93	3461.08	3458.16	3459.92	3462.59	3465.86
58.0	3315.11	3310.87	3306.23	3301.49	3296.97	3293.00	3289.88	3291.52	3294.05	3297.17
58.5	3147.28	3144.08	3140.67	3137.26	3134.03	3131.19	3128.91	3129.44	3130.59	3132.19
59.0	2986.41	2984.26	2982.18	2980.22	2978.45	2976.91	2975.65	2975.09	2974.85	2974.93
59.5	2837.77	2835.90	2834.17	2832.60	2831.23	2830.08	2829.18	2828.69	2828.49	2828.56
60.0	2697.89	2696.12	2694.48	2693.01	2691.75	2690.73	2689.99	2689.85	2690.02	2690.47
60.5	2565.40	2563.89	2562.49	2561.25	2560.19	2559.35	2558.75	2558.65	2558.82	2559.25
61.0	2439.38	2438.13	2436.98	2435.96	2435.09	2434.41	2433.93	2433.86	2434.02	2434.41
61.5	2318.36	2317.34	2316.42	2315.61	2314.94	2314.43	2314.12	2314.19	2314.48	2314.96
62.0	2202.58	2201.79	2201.09	2200.50	2200.04	2199.74	2199.61	2199.86	2200.29	2200.91
62.5	2091.52	2091.00	2090.58	2090.29	2090.12	2090.09	2090.22	2090.61	2091.15	2091.85
63.0	1986.01	1985.71	1985.52	1985.45	1985.50	1985.67	1985.99	1986.51	1987.17	1987.97
63.5	1887.14	1886.90	1886.71	1886.60	1886.60	1886.71	1886.98	1887.61	1888.40	1889.33
64.0	1793.66	1793.42	1793.18	1792.97	1792.84	1792.83	1792.99	1793.77	1794.74	1795.87
64.5	1705.05	1704.77	1704.42	1704.09	1703.84	1703.74	1703.85	1704.95	1706.29	1707.80
65.0	1620.27	1620.07	1619.81	1619.56	1619.41	1619.41	1619.63	1620.98	1622.55	1624.30

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**CANDELA TABULATION - (Cont.)**

65.5	1537.48	1537.77	1538.13	1538.58	1539.14	1539.81	1540.62	1541.78	1543.06	1544.45
66.0	1458.51	1459.43	1460.56	1461.83	1463.21	1464.64	1466.08	1466.98	1467.87	1468.78
66.5	1385.11	1386.74	1388.55	1390.46	1392.40	1394.31	1396.10	1396.86	1397.51	1398.13
67.0	1315.65	1317.78	1320.00	1322.26	1324.48	1326.60	1328.55	1329.35	1330.01	1330.61
67.5	1249.16	1251.01	1252.90	1254.80	1256.67	1258.51	1260.29	1261.64	1262.94	1264.21
68.0	1185.54	1187.00	1188.43	1189.86	1191.31	1192.80	1194.34	1196.24	1198.19	1200.16
68.5	1124.37	1125.86	1127.33	1128.79	1130.26	1131.77	1133.33	1135.24	1137.19	1139.18
69.0	1065.67	1067.29	1068.89	1070.48	1072.08	1073.70	1075.34	1077.13	1078.94	1080.76
69.5	1009.42	1011.03	1012.62	1014.22	1015.83	1017.46	1019.12	1020.92	1022.75	1024.59
70.0	955.35	956.97	958.60	960.23	961.89	963.57	965.28	967.13	969.01	970.91
70.5	903.00	904.80	906.64	908.50	910.39	912.29	914.21	916.15	918.11	920.05
71.0	852.88	854.88	856.93	859.02	861.14	863.26	865.39	867.42	869.44	871.44
71.5	805.62	807.69	809.80	811.95	814.12	816.30	818.47	820.57	822.64	824.69
72.0	760.46	762.54	764.66	766.81	768.97	771.14	773.30	775.41	777.50	779.56
72.5	716.96	719.01	721.10	723.23	725.38	727.53	729.67	731.71	733.73	735.71
73.0	674.80	676.80	678.87	680.97	683.11	685.24	687.36	689.33	691.27	693.17
73.5	633.24	635.25	637.33	639.46	641.60	643.75	645.89	647.86	649.79	651.69
74.0	593.08	595.11	597.21	599.35	601.51	603.69	605.85	607.86	609.83	611.78
74.5	555.19	557.19	559.26	561.39	563.56	565.75	567.94	570.05	572.14	574.21
75.0	518.65	520.61	522.66	524.79	526.96	529.17	531.40	533.60	535.78	537.93
75.5	482.72	484.67	486.74	488.89	491.10	493.34	495.60	497.74	499.86	501.95
76.0	447.77	449.72	451.80	453.99	456.24	458.52	460.81	462.90	464.94	466.95
76.5	413.98	415.92	418.03	420.28	422.61	424.99	427.37	429.51	431.60	433.63
77.0	381.24	383.10	385.17	387.40	389.73	392.13	394.54	396.75	398.91	401.00
77.5	349.45	351.06	352.86	354.81	356.88	359.03	361.24	363.46	365.67	367.84
78.0	318.76	320.11	321.61	323.25	325.02	326.89	328.85	331.06	333.30	335.52
78.5	289.35	290.58	291.96	293.48	295.13	296.89	298.76	300.94	303.16	305.36
79.0	260.99	262.14	263.45	264.89	266.45	268.13	269.91	272.03	274.18	276.31
79.5	233.56	234.61	235.78	237.06	238.45	239.94	241.53	243.49	245.48	247.45
80.0	206.94	207.90	208.97	210.13	211.39	212.75	214.19	216.02	217.89	219.73
80.5	180.56	181.51	182.59	183.79	185.10	186.52	188.05	190.02	192.03	194.00
81.0	155.61	156.57	157.70	158.97	160.38	161.91	163.55	165.59	167.67	169.69
81.5	133.51	134.49	135.67	137.01	138.47	140.02	141.63	143.28	144.90	146.47
82.0	113.01	113.98	115.16	116.50	117.95	119.45	120.97	122.19	123.37	124.48
82.5	92.76	93.62	94.66	95.83	97.10	98.43	99.80	101.06	102.31	103.50
83.0	74.41	75.16	76.03	76.99	78.05	79.17	80.34	81.66	82.99	84.29
83.5	59.43	60.18	61.01	61.90	62.84	63.81	64.79	65.81	66.80	67.75
84.0	47.00	47.71	48.46	49.24	50.02	50.79	51.52	52.11	52.64	53.10
84.5	36.89	37.36	37.82	38.26	38.67	39.03	39.33	39.41	39.41	39.36
85.0	28.83	29.02	29.17	29.26	29.30	29.27	29.17	28.84	28.44	28.00
85.5	22.69	22.69	22.63	22.52	22.37	22.16	21.91	21.55	21.15	20.73
86.0	17.86	17.74	17.57	17.37	17.15	16.90	16.63	16.39	16.13	15.88
86.5	13.47	13.38	13.27	13.14	13.00	12.86	12.72	12.62	12.53	12.45
87.0	10.20	10.18	10.15	10.13	10.11	10.10	10.09	10.13	10.18	10.23
87.5	8.77	8.74	8.72	8.69	8.68	8.66	8.66	8.68	8.71	8.75
88.0	8.20	8.15	8.09	8.04	7.99	7.94	7.90	7.86	7.83	7.80
88.5	7.77	7.69	7.60	7.50	7.41	7.32	7.23	7.16	7.09	7.02
89.0	7.40	7.30	7.19	7.08	6.96	6.84	6.73	6.64	6.55	6.48
89.5	6.73	6.66	6.58	6.50	6.42	6.33	6.25	6.19	6.13	6.08
90.0	5.88	5.87	5.87	5.86	5.86	5.85	5.85	5.85	5.85	5.85

**Vert.  
Angles**

**Horizontal Angles**

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
<b>0.0</b>	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42	18338.42
<b>0.5</b>	18338.61	18338.59	18338.57	18338.54	18338.52	18338.50	18338.48	18338.46	18338.46	18338.50

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**CANDELA TABULATION - (Cont.)**

1.0	18338.03	18337.99	18337.95	18337.94	18337.93	18337.93	18337.93	18337.93	18337.93	18337.94	18337.99
1.5	18336.59	18336.53	18336.48	18336.54	18336.63	18336.72	18336.82	18336.91	18336.99	18337.01	
2.0	18334.55	18334.48	18334.42	18334.54	18334.68	18334.84	18334.99	18335.13	18335.25	18335.23	
2.5	18332.27	18332.21	18332.14	18332.15	18332.16	18332.17	18332.19	18332.20	18332.20	18332.16	
3.0	18329.39	18329.34	18329.27	18329.14	18329.00	18328.85	18328.70	18328.56	18328.44	18328.39	
3.5	18325.57	18325.50	18325.43	18325.27	18325.11	18324.94	18324.77	18324.61	18324.48	18324.43	
4.0	18321.14	18321.03	18320.91	18320.77	18320.61	18320.46	18320.32	18320.18	18320.06	18320.02	
4.5	18316.40	18316.16	18315.92	18315.76	18315.61	18315.48	18315.35	18315.24	18315.14	18315.09	
5.0	18311.16	18310.81	18310.46	18310.28	18310.12	18309.98	18309.86	18309.74	18309.64	18309.53	
5.5	18305.30	18304.98	18304.66	18304.44	18304.23	18304.04	18303.84	18303.64	18303.44	18303.18	
6.0	18298.91	18298.63	18298.34	18298.07	18297.79	18297.50	18297.20	18296.89	18296.57	18296.16	
6.5	18292.13	18291.77	18291.38	18290.99	18290.59	18290.18	18289.76	18289.35	18288.94	18288.51	
7.0	18284.73	18284.28	18283.79	18283.30	18282.79	18282.27	18281.76	18281.26	18280.77	18280.34	
7.5	18276.45	18275.99	18275.50	18275.01	18274.50	18273.97	18273.44	18272.91	18272.38	18271.82	
8.0	18267.53	18267.08	18266.59	18266.12	18265.62	18265.11	18264.57	18264.02	18263.45	18262.77	
8.5	18258.27	18257.79	18257.27	18256.73	18256.18	18255.60	18255.01	18254.40	18253.78	18253.07	
9.0	18248.23	18247.68	18247.10	18246.52	18245.92	18245.31	18244.68	18244.04	18243.40	18242.69	
9.5	18236.87	18236.21	18235.56	18235.03	18234.50	18233.97	18233.44	18232.89	18232.33	18231.59	
10.0	18224.67	18223.91	18223.18	18222.69	18222.23	18221.79	18221.36	18220.91	18220.43	18219.70	
10.5	18212.00	18211.18	18210.39	18209.85	18209.35	18208.88	18208.43	18207.99	18207.54	18206.93	
11.0	18198.68	18197.80	18196.97	18196.35	18195.79	18195.25	18194.75	18194.28	18193.82	18193.29	
11.5	18184.68	18183.77	18182.90	18182.24	18181.63	18181.06	18180.50	18179.97	18179.44	18178.79	
12.0	18169.92	18168.96	18168.03	18167.32	18166.65	18166.01	18165.38	18164.77	18164.15	18163.35	
12.5	18154.31	18153.19	18152.10	18151.27	18150.48	18149.74	18149.02	18148.32	18147.63	18146.80	
13.0	18137.92	18136.66	18135.42	18134.45	18133.53	18132.65	18131.81	18131.00	18130.21	18129.36	
13.5	18120.91	18119.69	18118.46	18117.38	18116.31	18115.27	18114.26	18113.28	18112.33	18111.39	
14.0	18102.89	18101.71	18100.50	18099.31	18098.12	18096.93	18095.75	18094.60	18093.48	18092.42	
14.5	18083.45	18082.16	18080.85	18079.57	18078.29	18077.00	18075.71	18074.45	18073.21	18071.95	
15.0	18062.77	18061.36	18059.91	18058.56	18057.20	18055.84	18054.48	18053.12	18051.78	18050.34	
15.5	18041.00	18039.50	18037.97	18036.55	18035.13	18033.71	18032.29	18030.86	18029.45	18027.88	
16.0	18017.90	18016.30	18014.68	18013.21	18011.73	18010.25	18008.78	18007.30	18005.83	18004.18	
16.5	17993.18	17991.41	17989.64	17988.11	17986.59	17985.08	17983.59	17982.10	17980.60	17978.87	
17.0	17967.16	17965.23	17963.30	17961.68	17960.10	17958.54	17956.99	17955.46	17953.92	17952.11	
17.5	17940.25	17938.22	17936.19	17934.42	17932.69	17930.97	17929.28	17927.59	17925.92	17924.01	
18.0	17911.95	17909.82	17907.67	17905.74	17903.83	17901.94	17900.06	17898.21	17896.38	17894.38	
18.5	17881.96	17879.60	17877.23	17875.12	17873.05	17871.00	17868.99	17867.01	17865.06	17862.97	
19.0	17850.21	17847.65	17845.08	17842.83	17840.62	17838.45	17836.32	17834.23	17832.19	17830.02	
19.5	17816.57	17813.96	17811.34	17809.03	17806.75	17804.50	17802.30	17800.15	17798.05	17795.83	
20.0	17781.05	17778.46	17775.84	17773.49	17771.17	17768.88	17766.63	17764.42	17762.25	17759.98	
20.5	17743.70	17741.08	17738.44	17736.04	17733.67	17731.32	17729.01	17726.73	17724.49	17722.14	
21.0	17704.37	17701.76	17699.11	17696.70	17694.30	17691.92	17689.55	17687.22	17684.91	17682.45	
21.5	17663.05	17660.55	17658.01	17655.65	17653.29	17650.91	17648.53	17646.15	17643.77	17641.11	
22.0	17619.41	17616.99	17614.51	17612.23	17609.93	17607.60	17605.24	17602.85	17600.43	17597.59	
22.5	17573.10	17570.52	17567.91	17565.70	17563.48	17561.27	17559.03	17556.74	17554.40	17551.49	
23.0	17524.14	17521.38	17518.63	17516.45	17514.30	17512.17	17510.03	17507.84	17505.59	17502.67	
23.5	17472.51	17469.74	17466.96	17464.73	17462.52	17460.33	17458.13	17455.89	17453.61	17450.75	
24.0	17418.06	17415.32	17412.56	17410.27	17408.01	17405.75	17403.48	17401.20	17398.87	17396.07	
24.5	17360.68	17357.96	17355.22	17352.99	17350.79	17348.59	17346.37	17344.12	17341.82	17338.98	
25.0	17300.21	17297.49	17294.77	17292.64	17290.54	17288.45	17286.34	17284.17	17281.92	17279.01	
25.5	17236.43	17233.64	17230.88	17228.89	17226.97	17225.05	17223.10	17221.08	17218.95	17215.95	
26.0	17169.38	17166.59	17163.81	17161.92	17160.09	17158.28	17156.43	17154.49	17152.42	17149.37	
26.5	17099.27	17096.67	17094.03	17092.01	17090.00	17087.97	17085.90	17083.76	17081.52	17078.56	
27.0	17025.40	17023.03	17020.57	17018.43	17016.25	17014.02	17011.74	17009.41	17007.01	17004.17	
27.5	16947.04	16944.83	16942.52	16940.51	16938.45	16936.34	16934.16	16931.93	16929.62	16926.84	
28.0	16864.46	16862.38	16860.22	16858.43	16856.60	16854.71	16852.75	16850.71	16848.58	16845.84	
28.5	16777.74	16775.78	16773.74	16772.20	16770.63	16768.99	16767.27	16765.43	16763.46	16760.69	

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**CANDELA TABULATION - (Cont.)**

29.0	16686.72	16684.87	16682.95	16681.65	16680.32	16678.93	16677.43	16675.79	16673.98	16671.21
29.5	16591.40	16589.67	16587.86	16586.70	16585.51	16584.25	16582.88	16581.37	16579.68	16577.02
30.0	16491.37	16489.76	16488.07	16487.06	16486.01	16484.89	16483.66	16482.28	16480.71	16478.19
30.5	16386.38	16384.88	16383.29	16382.54	16381.75	16380.88	16379.89	16378.74	16377.37	16374.91
31.0	16275.98	16274.64	16273.21	16272.73	16272.22	16271.63	16270.90	16269.98	16268.81	16266.43
31.5	16159.50	16158.44	16157.28	16157.06	16156.80	16156.44	16155.91	16155.18	16154.19	16151.93
32.0	16037.42	16036.70	16035.87	16035.88	16035.82	16035.64	16035.30	16034.72	16033.88	16031.80
32.5	15910.35	15909.96	15909.44	15909.60	15909.66	15909.59	15909.33	15908.84	15908.09	15906.26
33.0	15777.28	15777.26	15777.06	15777.39	15777.59	15777.63	15777.47	15777.09	15776.45	15774.90
33.5	15637.24	15637.63	15637.81	15638.41	15638.86	15639.12	15639.18	15639.01	15638.59	15637.36
34.0	15490.83	15491.63	15492.20	15493.12	15493.87	15494.42	15494.74	15494.83	15494.65	15493.71
34.5	15338.66	15339.79	15340.69	15341.97	15343.05	15343.91	15344.53	15344.88	15344.94	15344.14
35.0	15179.77	15181.26	15182.50	15184.16	15185.61	15186.81	15187.73	15188.36	15188.64	15187.94
35.5	15013.32	15015.27	15016.96	15019.01	15020.81	15022.34	15023.56	15024.43	15024.92	15024.28
36.0	14839.58	14842.05	14844.23	14846.69	14848.88	14850.76	14852.29	14853.44	14854.17	14853.66
36.5	14658.44	14661.50	14664.26	14667.21	14669.85	14672.15	14674.08	14675.59	14676.66	14676.50
37.0	14470.22	14473.79	14477.04	14480.44	14483.52	14486.25	14488.58	14490.47	14491.90	14492.14
37.5	14275.61	14279.29	14282.67	14286.38	14289.80	14292.88	14295.58	14297.84	14299.62	14300.13
38.0	14073.49	14077.26	14080.75	14084.74	14088.45	14091.83	14094.84	14097.41	14099.49	14100.24
38.5	13862.72	13866.99	13870.95	13875.21	13879.15	13882.73	13885.90	13888.62	13890.83	13891.77
39.0	13644.01	13648.80	13653.25	13657.80	13662.00	13665.81	13669.18	13672.07	13674.45	13675.61
39.5	13417.92	13422.85	13427.46	13432.43	13437.07	13441.35	13445.20	13448.57	13451.41	13452.88
40.0	13183.78	13188.90	13193.74	13199.09	13204.16	13208.88	13213.19	13217.01	13220.29	13222.13
40.5	12940.67	12946.51	12952.03	12957.62	12962.86	12967.70	12972.11	12976.04	12979.43	12981.70
41.0	12689.83	12696.45	12702.70	12708.48	12713.84	12718.75	12723.19	12727.15	12730.61	12733.27
41.5	12432.52	12439.61	12446.31	12452.32	12457.87	12462.95	12467.55	12471.66	12475.27	12478.23
42.0	12167.77	12175.16	12182.14	12188.43	12194.25	12199.59	12204.45	12208.81	12212.66	12215.84
42.5	11894.91	11902.29	11909.34	11916.02	11922.29	11928.13	11933.48	11938.33	11942.63	11945.97
43.0	11614.40	11621.79	11628.92	11635.97	11642.66	11648.95	11654.76	11660.05	11664.75	11668.19
43.5	11326.21	11334.10	11341.72	11348.95	11355.78	11362.16	11368.04	11373.36	11378.07	11381.55
44.0	11031.16	11039.48	11047.49	11054.81	11061.69	11068.08	11073.94	11079.24	11083.92	11087.47
44.5	10730.00	10738.05	10745.85	10753.21	10760.19	10766.74	10772.82	10778.36	10783.31	10787.15
45.0	10422.99	10430.64	10438.12	10445.41	10452.40	10459.04	10465.26	10471.00	10476.20	10480.37
45.5	10110.03	10117.61	10125.03	10132.09	10138.87	10145.31	10151.37	10156.99	10162.14	10166.59
46.0	9793.01	9800.54	9807.89	9814.65	9821.11	9827.25	9833.03	9838.42	9843.39	9848.02
46.5	9474.20	9481.44	9488.49	9494.87	9500.96	9506.74	9512.19	9517.30	9522.04	9526.62
47.0	9152.48	9159.39	9166.13	9172.22	9178.03	9183.54	9188.75	9193.63	9198.18	9202.59
47.5	8826.52	8833.26	8839.86	8846.04	8851.97	8857.61	8862.93	8867.89	8872.45	8876.55
48.0	8499.22	8505.76	8512.22	8518.46	8524.48	8530.24	8535.66	8540.69	8545.28	8549.12
48.5	8172.50	8178.70	8184.83	8190.71	8196.41	8201.87	8207.03	8211.86	8216.30	8220.26
49.0	7847.91	7853.71	7859.47	7864.84	7870.05	7875.06	7879.83	7884.32	7888.52	7892.60
49.5	7527.63	7533.06	7538.43	7543.30	7548.00	7552.51	7556.81	7560.87	7564.68	7568.54
50.0	7211.72	7216.73	7221.69	7226.06	7230.26	7234.28	7238.10	7241.72	7245.11	7248.66
50.5	6900.57	6905.09	6909.55	6913.47	6917.23	6920.84	6924.28	6927.54	6930.61	6933.90
51.0	6595.34	6599.39	6603.39	6606.92	6610.33	6613.60	6616.72	6619.70	6622.51	6625.56
51.5	6297.04	6300.75	6304.42	6307.71	6310.89	6313.97	6316.92	6319.74	6322.41	6325.30
52.0	6006.55	6010.00	6013.43	6016.50	6019.48	6022.37	6025.14	6027.78	6030.29	6032.96
52.5	5724.87	5728.23	5731.55	5734.33	5737.00	5739.53	5741.94	5744.20	5746.31	5748.45
53.0	5452.61	5455.82	5458.97	5461.43	5463.74	5465.90	5467.91	5469.78	5471.50	5473.16
53.5	5190.78	5193.46	5196.11	5198.14	5200.06	5201.87	5203.60	5205.24	5206.80	5208.43
54.0	4939.10	4941.30	4943.50	4945.14	4946.72	4948.25	4949.74	4951.21	4952.66	4954.39
54.5	4697.40	4699.74	4702.05	4703.47	4704.79	4706.04	4707.25	4708.44	4709.65	4711.31
55.0	4466.28	4468.68	4471.07	4472.46	4473.75	4474.97	4476.13	4477.28	4478.45	4480.05
55.5	4246.73	4248.20	4249.86	4251.72	4253.70	4255.74	4257.79	4259.82	4261.78	4263.32
56.0	4037.41	4038.21	4039.34	4041.44	4043.80	4046.33	4048.95	4051.56	4054.08	4055.80
56.5	3836.76	3838.58	3840.49	3841.59	3842.70	3843.88	3845.15	3846.55	3848.12	3850.68

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**CANDELA TABULATION - (Cont.)**

57.0	3646.48	3649.56	3652.45	3652.38	3652.05	3651.63	3651.31	3651.25	3651.65	3655.12
57.5	3469.44	3473.00	3476.26	3475.70	3474.76	3473.68	3472.70	3472.06	3472.01	3475.97
58.0	3300.60	3304.02	3307.16	3306.61	3305.70	3304.68	3303.78	3303.23	3303.28	3307.31
58.5	3134.10	3136.15	3138.20	3138.56	3138.86	3139.20	3139.70	3140.46	3141.58	3144.88
59.0	2975.32	2975.99	2976.95	2978.31	2979.91	2981.71	2983.69	2985.81	2988.03	2990.47
59.5	2828.93	2829.59	2830.55	2832.14	2833.98	2836.02	2838.21	2840.49	2842.82	2844.99
60.0	2691.18	2692.16	2693.37	2694.94	2696.71	2698.62	2700.65	2702.75	2704.88	2706.96
60.5	2559.93	2560.85	2562.00	2563.56	2565.31	2567.20	2569.20	2571.26	2573.35	2575.33
61.0	2435.03	2435.87	2436.94	2438.43	2440.10	2441.92	2443.84	2445.83	2447.86	2449.80
61.5	2315.65	2316.53	2317.60	2318.97	2320.49	2322.15	2323.91	2325.76	2327.65	2329.63
62.0	2201.69	2202.64	2203.74	2205.01	2206.42	2207.93	2209.55	2211.26	2213.03	2215.03
62.5	2092.70	2093.69	2094.82	2096.13	2097.57	2099.10	2100.72	2102.41	2104.15	2106.06
63.0	1988.90	1989.96	1991.15	1992.55	1994.05	1995.63	1997.27	1998.96	2000.66	2002.36
63.5	1890.40	1891.59	1892.89	1894.38	1895.93	1897.53	1899.15	1900.74	1902.30	1903.54
64.0	1797.13	1798.50	1799.95	1801.48	1803.03	1804.58	1806.10	1807.56	1808.94	1809.78
64.5	1709.43	1711.12	1712.83	1714.20	1715.52	1716.80	1718.03	1719.20	1720.32	1721.22
65.0	1626.15	1628.03	1629.88	1631.15	1632.33	1633.45	1634.51	1635.55	1636.58	1637.70
65.5	1545.92	1547.44	1549.01	1550.51	1552.02	1553.52	1555.02	1556.49	1557.94	1559.29
66.0	1469.75	1470.81	1472.01	1473.84	1475.79	1477.81	1479.86	1481.89	1483.86	1485.38
66.5	1398.79	1399.57	1400.54	1402.70	1405.04	1407.49	1409.97	1412.41	1414.71	1416.11
67.0	1331.24	1331.99	1332.95	1335.25	1337.76	1340.39	1343.03	1345.60	1348.01	1349.33
67.5	1265.51	1266.84	1268.26	1270.20	1272.22	1274.29	1276.36	1278.40	1280.38	1282.10
68.0	1202.14	1204.09	1205.99	1207.53	1209.02	1210.48	1211.93	1213.41	1214.92	1217.01
68.5	1141.16	1143.12	1145.04	1146.63	1148.17	1149.68	1151.16	1152.65	1154.16	1156.15
69.0	1082.60	1084.42	1086.24	1087.98	1089.70	1091.40	1093.07	1094.71	1096.33	1098.12
69.5	1026.44	1028.29	1030.12	1031.87	1033.59	1035.29	1036.96	1038.60	1040.22	1042.01
70.0	972.80	974.69	976.56	978.30	980.02	981.71	983.37	985.01	986.63	988.46
70.5	921.99	923.91	925.81	927.63	929.42	931.18	932.91	934.62	936.29	938.16
71.0	873.42	875.37	877.30	879.20	881.07	882.90	884.70	886.46	888.17	890.03
71.5	826.71	828.70	830.65	832.59	834.48	836.33	838.12	839.86	841.52	843.24
72.0	781.60	783.60	785.56	787.49	789.37	791.19	792.94	794.62	796.22	797.81
72.5	737.66	739.57	741.44	743.28	745.07	746.81	748.49	750.11	751.65	753.26
73.0	695.04	696.86	698.65	700.41	702.13	703.81	705.44	707.01	708.53	710.17
73.5	653.56	655.40	657.21	659.04	660.84	662.60	664.30	665.94	667.51	669.11
74.0	613.70	615.59	617.45	619.37	621.25	623.08	624.85	626.54	628.14	629.68
74.5	576.23	578.22	580.15	582.03	583.84	585.58	587.26	588.85	590.36	591.88
75.0	540.04	542.09	544.07	545.89	547.63	549.28	550.84	552.33	553.73	555.20
75.5	503.99	505.98	507.92	509.77	511.55	513.25	514.86	516.37	517.78	519.12
76.0	468.91	470.83	472.69	474.55	476.34	478.05	479.66	481.16	482.54	483.74
76.5	435.60	437.49	439.30	440.99	442.58	444.08	445.46	446.74	447.90	448.96
77.0	403.01	404.92	406.70	408.19	409.55	410.79	411.91	412.92	413.84	414.77
77.5	369.94	371.92	373.77	375.18	376.43	377.54	378.53	379.40	380.18	381.02
78.0	337.68	339.73	341.63	342.94	344.07	345.04	345.89	346.62	347.28	348.07
78.5	307.48	309.48	311.30	312.35	313.20	313.89	314.47	314.96	315.42	316.27
79.0	278.35	280.24	281.94	282.74	283.33	283.76	284.09	284.36	284.62	285.51
79.5	249.34	251.09	252.66	253.40	253.93	254.31	254.58	254.78	254.96	255.65
80.0	221.51	223.16	224.62	225.32	225.81	226.15	226.38	226.52	226.62	227.08
80.5	195.88	197.61	199.10	199.61	199.88	199.97	199.93	199.83	199.71	200.16
81.0	171.61	173.34	174.82	175.20	175.32	175.25	175.05	174.78	174.52	174.92
81.5	147.94	149.28	150.45	151.04	151.45	151.69	151.80	151.81	151.73	151.73
82.0	125.52	126.48	127.35	128.15	128.84	129.41	129.84	130.14	130.28	129.93
82.5	104.64	105.69	106.63	107.33	107.91	108.36	108.70	108.91	109.01	108.83
83.0	85.52	86.64	87.64	88.13	88.47	88.69	88.80	88.84	88.83	88.93
83.5	68.62	69.40	70.06	70.30	70.42	70.45	70.41	70.34	70.26	70.46
84.0	53.49	53.79	54.02	53.99	53.90	53.76	53.60	53.44	53.31	53.55
84.5	39.25	39.10	38.91	38.64	38.37	38.10	37.86	37.66	37.53	37.78

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

85.0	27.53	27.05	26.57	26.16	25.78	25.45	25.17	24.96	24.83	25.04
85.5	20.29	19.86	19.44	19.08	18.76	18.47	18.22	18.01	17.87	17.92
86.0	15.63	15.38	15.15	14.92	14.71	14.52	14.34	14.17	14.03	13.94
86.5	12.37	12.30	12.23	12.15	12.08	12.00	11.94	11.88	11.82	11.79
87.0	10.29	10.35	10.41	10.44	10.47	10.50	10.53	10.57	10.60	10.65
87.5	8.78	8.82	8.87	8.89	8.92	8.95	8.98	9.01	9.04	9.07
88.0	7.77	7.75	7.73	7.72	7.71	7.70	7.70	7.70	7.70	7.69
88.5	6.97	6.91	6.86	6.82	6.78	6.74	6.71	6.68	6.66	6.62
89.0	6.40	6.34	6.27	6.21	6.16	6.10	6.05	6.01	5.96	5.92
89.5	6.03	5.98	5.94	5.89	5.85	5.82	5.78	5.74	5.71	5.68
90.0	5.86	5.86	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87

**Vert.  
Angles**

**Horizontal Angles**

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	18338.42	18338.42	18338.42	18338.42	18338.42
0.5	18338.54	18338.58	18338.62	18338.64	18338.65
1.0	18338.04	18338.08	18338.11	18338.13	18338.12
1.5	18337.01	18336.99	18336.95	18336.90	18336.83
2.0	18335.18	18335.10	18335.00	18334.89	18334.77
2.5	18332.11	18332.05	18331.99	18331.92	18331.85
3.0	18328.35	18328.33	18328.32	18328.31	18328.30
3.5	18324.41	18324.40	18324.40	18324.41	18324.41
4.0	18319.99	18319.98	18319.97	18319.97	18319.96
4.5	18315.04	18314.99	18314.95	18314.90	18314.85
5.0	18309.41	18309.30	18309.19	18309.07	18308.94
5.5	18302.90	18302.64	18302.38	18302.14	18301.92
6.0	18295.74	18295.34	18294.96	18294.62	18294.32
6.5	18288.10	18287.72	18287.36	18287.05	18286.78
7.0	18279.94	18279.57	18279.24	18278.95	18278.70
7.5	18271.29	18270.79	18270.32	18269.90	18269.54
8.0	18262.10	18261.46	18260.84	18260.29	18259.81
8.5	18252.37	18251.69	18251.06	18250.49	18249.99
9.0	18241.98	18241.31	18240.68	18240.11	18239.61
9.5	18230.85	18230.13	18229.44	18228.80	18228.24
10.0	18218.96	18218.22	18217.50	18216.84	18216.24
10.5	18206.31	18205.71	18205.12	18204.58	18204.08
11.0	18192.77	18192.27	18191.79	18191.35	18190.94
11.5	18178.15	18177.53	18176.94	18176.39	18175.90
12.0	18162.56	18161.79	18161.04	18160.36	18159.75
12.5	18145.98	18145.19	18144.45	18143.75	18143.13
13.0	18128.54	18127.75	18127.00	18126.32	18125.69
13.5	18110.50	18109.65	18108.85	18108.11	18107.43
14.0	18091.40	18090.45	18089.55	18088.72	18087.96
14.5	18070.75	18069.61	18068.53	18067.55	18066.67
15.0	18048.94	18047.60	18046.35	18045.21	18044.20
15.5	18026.36	18024.90	18023.52	18022.27	18021.15
16.0	18002.56	18001.00	17999.53	17998.18	17996.98
16.5	17977.16	17975.52	17973.96	17972.54	17971.27
17.0	17950.33	17948.61	17946.98	17945.50	17944.18
17.5	17922.14	17920.35	17918.67	17917.13	17915.77
18.0	17892.43	17890.57	17888.83	17887.25	17885.86
18.5	17860.94	17859.02	17857.23	17855.61	17854.19
19.0	17827.93	17825.95	17824.11	17822.45	17820.98
19.5	17793.69	17791.66	17789.78	17788.08	17786.58
20.0	17757.79	17755.71	17753.77	17752.01	17750.46



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**CANDELA TABULATION - (Cont.)**

20.5	17719.86	17717.70	17715.68	17713.83	17712.19
21.0	17680.05	17677.76	17675.60	17673.63	17671.87
21.5	17638.49	17635.98	17633.60	17631.41	17629.45
22.0	17594.77	17592.04	17589.44	17587.04	17584.90
22.5	17548.57	17545.73	17543.02	17540.51	17538.27
23.0	17499.73	17496.85	17494.09	17491.54	17489.25
23.5	17447.89	17445.09	17442.39	17439.89	17437.63
24.0	17393.28	17390.55	17387.92	17385.46	17383.22
24.5	17336.13	17333.33	17330.63	17328.10	17325.80
25.0	17276.06	17273.14	17270.32	17267.68	17265.28
25.5	17212.87	17209.80	17206.82	17204.02	17201.47
26.0	17146.22	17143.07	17140.00	17137.11	17134.49
26.5	17075.54	17072.55	17069.66	17066.94	17064.47
27.0	17001.31	16998.52	16995.83	16993.32	16991.05
27.5	16924.05	16921.31	16918.68	16916.21	16913.99
28.0	16843.05	16840.30	16837.65	16835.17	16832.93
28.5	16757.84	16755.00	16752.24	16749.66	16747.33
29.0	16668.31	16665.40	16662.56	16659.88	16657.47
29.5	16574.23	16571.41	16568.65	16566.04	16563.66
30.0	16475.54	16472.84	16470.17	16467.64	16465.33
30.5	16372.29	16369.60	16366.94	16364.40	16362.08
31.0	16263.85	16261.17	16258.52	16255.97	16253.65
31.5	16149.46	16146.88	16144.30	16141.81	16139.53
32.0	16029.49	16027.07	16024.62	16022.25	16020.06
32.5	15904.20	15902.02	15899.80	15897.64	15895.62
33.0	15773.13	15771.24	15769.29	15767.36	15765.54
33.5	15635.91	15634.32	15632.65	15630.97	15629.35
34.0	15492.54	15491.20	15489.76	15488.28	15486.81
34.5	15343.09	15341.84	15340.47	15339.04	15337.60
35.0	15186.94	15185.73	15184.37	15182.93	15181.50
35.5	15023.31	15022.10	15020.74	15019.30	15017.89
36.0	14852.78	14851.63	14850.31	14848.92	14847.55
36.5	14675.94	14675.06	14673.97	14672.74	14671.46
37.0	14491.94	14491.39	14490.56	14489.54	14488.40
37.5	14300.19	14299.89	14299.29	14298.47	14297.53
38.0	14100.52	14100.43	14100.04	14099.43	14098.68
38.5	13892.24	13892.32	13892.09	13891.63	13891.01
39.0	13676.28	13676.55	13676.49	13676.17	13675.68
39.5	13453.84	13454.37	13454.53	13454.41	13454.08
40.0	13223.44	13224.28	13224.72	13224.84	13224.72
40.5	12983.44	12984.70	12985.54	12986.01	12986.14
41.0	12735.43	12737.11	12738.34	12739.15	12739.56
41.5	12480.69	12482.67	12484.19	12485.27	12485.92
42.0	12218.51	12220.70	12222.42	12223.68	12224.51
42.5	11948.76	11951.02	11952.78	11954.07	11954.92
43.0	11671.03	11673.31	11675.06	11676.33	11677.15
43.5	11384.40	11386.68	11388.42	11389.67	11390.48
44.0	11090.39	11092.74	11094.55	11095.85	11096.69
44.5	10790.37	10793.00	10795.08	10796.63	10797.67
45.0	10483.95	10486.94	10489.35	10491.19	10492.48
45.5	10170.49	10173.82	10176.54	10178.66	10180.13
46.0	9852.14	9855.72	9858.70	9861.03	9862.66
46.5	9530.77	9534.42	9537.50	9539.97	9541.77
47.0	9206.60	9210.14	9213.16	9215.62	9217.44
47.5	8880.18	8883.30	8885.89	8887.89	8889.29
48.0	8552.43	8555.19	8557.38	8558.98	8559.96

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

48.5	8223.74	8226.68	8229.04	8230.77	8231.82
49.0	7896.27	7899.44	7902.04	7903.99	7905.21
49.5	7572.04	7575.08	7577.59	7579.48	7580.67
50.0	7251.88	7254.71	7257.04	7258.81	7259.93
50.5	6936.91	6939.56	6941.76	6943.45	6944.54
51.0	6628.36	6630.84	6632.92	6634.52	6635.58
51.5	6327.96	6330.31	6332.28	6333.80	6334.77
52.0	6035.41	6037.58	6039.39	6040.77	6041.66
52.5	5750.39	5752.10	5753.54	5754.66	5755.42
53.0	5474.67	5476.00	5477.14	5478.09	5478.81
53.5	5209.98	5211.41	5212.72	5213.87	5214.86
54.0	4956.08	4957.71	4959.25	4960.67	4961.93
54.5	4712.98	4714.61	4716.16	4717.58	4718.85
55.0	4481.66	4483.23	4484.71	4486.07	4487.27
55.5	4264.76	4266.08	4267.29	4268.41	4269.43
56.0	4057.35	4058.77	4060.06	4061.24	4062.34
56.5	3853.34	3856.01	3858.57	3860.93	3862.98
57.0	3658.98	3663.01	3666.96	3670.60	3673.69
57.5	3480.46	3485.18	3489.81	3494.07	3497.65
58.0	3311.87	3316.65	3321.35	3325.65	3329.26
58.5	3148.45	3152.13	3155.72	3159.03	3161.87
59.0	2992.94	2995.36	2997.69	2999.87	3001.85
59.5	2847.12	2849.18	2851.16	2853.02	2854.73
60.0	2709.00	2710.99	2712.89	2714.67	2716.32
60.5	2577.27	2579.16	2580.95	2582.63	2584.18
61.0	2451.71	2453.55	2455.31	2456.96	2458.47
61.5	2331.60	2333.53	2335.37	2337.10	2338.67
62.0	2217.04	2219.02	2220.92	2222.71	2224.33
62.5	2107.97	2109.84	2111.65	2113.34	2114.88
63.0	2004.05	2005.69	2007.27	2008.76	2010.15
63.5	1904.72	1905.86	1906.98	1908.08	1909.20
64.0	1810.55	1811.28	1812.03	1812.83	1813.72
64.5	1722.09	1722.95	1723.84	1724.77	1725.77
65.0	1638.82	1639.95	1641.09	1642.24	1643.40
65.5	1560.60	1561.89	1563.13	1564.35	1565.53
66.0	1486.81	1488.14	1489.39	1490.58	1491.70
66.5	1417.34	1418.43	1419.41	1420.33	1421.22
67.0	1350.45	1351.40	1352.24	1353.00	1353.75
67.5	1283.71	1285.20	1286.56	1287.79	1288.88
68.0	1219.10	1221.13	1223.02	1224.72	1226.16
68.5	1158.11	1160.01	1161.76	1163.33	1164.65
69.0	1099.85	1101.48	1102.97	1104.30	1105.42
69.5	1043.74	1045.38	1046.89	1048.23	1049.38
70.0	990.24	991.93	993.50	994.90	996.10
70.5	939.96	941.66	943.22	944.60	945.78
71.0	891.80	893.46	894.98	896.30	897.41
71.5	844.86	846.36	847.70	848.87	849.82
72.0	799.28	800.63	801.82	802.84	803.66
72.5	754.76	756.13	757.35	758.39	759.22
73.0	711.72	713.15	714.42	715.50	716.36
73.5	670.60	671.96	673.17	674.20	675.01
74.0	631.10	632.39	633.51	634.46	635.21
74.5	593.28	594.55	595.65	596.57	597.28
75.0	556.56	557.79	558.85	559.73	560.38
75.5	520.34	521.42	522.34	523.08	523.63
76.0	484.79	485.70	486.46	487.06	487.50

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>76.5</b>	449.89	450.69	451.34	451.85	452.21
<b>77.0</b>	415.61	416.32	416.91	417.36	417.65
<b>77.5</b>	381.77	382.42	382.96	383.39	383.69
<b>78.0</b>	348.78	349.42	349.96	350.40	350.74
<b>78.5</b>	317.09	317.85	318.51	319.05	319.44
<b>79.0</b>	286.40	287.23	287.97	288.56	288.96
<b>79.5</b>	256.32	256.95	257.49	257.91	258.18
<b>80.0</b>	227.52	227.91	228.24	228.48	228.61
<b>80.5</b>	200.62	201.06	201.43	201.70	201.85
<b>81.0</b>	175.35	175.76	176.11	176.37	176.48
<b>81.5</b>	151.67	151.57	151.42	151.23	151.00
<b>82.0</b>	129.46	128.91	128.33	127.75	127.23
<b>82.5</b>	108.57	108.24	107.87	107.50	107.15
<b>83.0</b>	89.00	89.04	89.03	88.99	88.89
<b>83.5</b>	70.66	70.82	70.94	70.99	70.95
<b>84.0</b>	53.80	54.04	54.23	54.33	54.31
<b>84.5</b>	38.07	38.37	38.64	38.84	38.94
<b>85.0</b>	25.31	25.60	25.89	26.14	26.32
<b>85.5</b>	18.01	18.12	18.23	18.33	18.40
<b>86.0</b>	13.87	13.81	13.75	13.70	13.63
<b>86.5</b>	11.76	11.74	11.71	11.70	11.68
<b>87.0</b>	10.70	10.75	10.80	10.86	10.91
<b>87.5</b>	9.11	9.15	9.19	9.24	9.29
<b>88.0</b>	7.69	7.69	7.70	7.73	7.76
<b>88.5</b>	6.59	6.57	6.55	6.55	6.55
<b>89.0</b>	5.88	5.84	5.80	5.77	5.74
<b>89.5</b>	5.65	5.62	5.59	5.57	5.54
<b>90.0</b>	5.88	5.88	5.88	5.89	5.89

**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	6851.46	17.70	17.70
0-30	14809.3	38.40	38.40
0-40	24215.35	62.70	62.70
0-60	36284.01	94.00	94.00
0-80	38546.47	99.80	99.80
0-90	38610.67	100.00	100.00
10-90	36865.61	95.50	95.50
20-40	17363.89	45.00	45.00
20-50	25299.87	65.50	65.50
40-70	13747.65	35.60	35.60
60-80	2262.46	5.90	5.90
70-80	583.48	1.50	1.50
80-90	64.19	0.20	0.20
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	38610.67	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1745.06
10-20	5106.4
20-30	7957.84
30-40	9406.05
40-50	7935.99
50-60	4132.68
60-70	1678.98
70-80	583.48
80-90	64.19
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

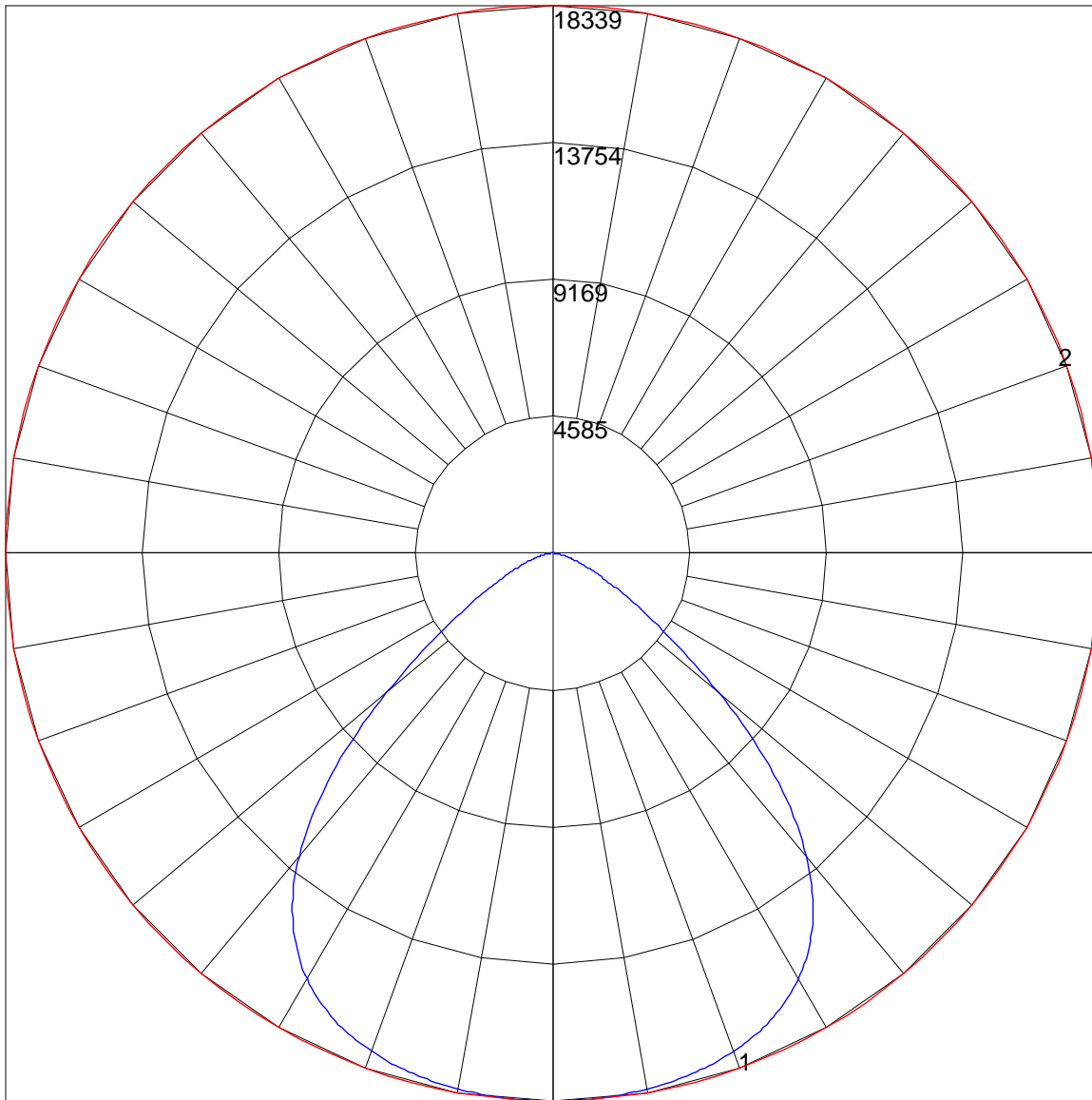
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NUVHTVHOWT30WBD120-277V.IES**

**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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49
7	72	60	52	46	70	59	51	46	57	51	46	56	50	46	55	49	45	44
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	47	41	37	36
10	59	47	40	35	58	46	39	35	45	39	35	44	39	34	44	38	34	33

POLAR GRAPH



Maximum Candela = 18338.65 Located At Horizontal Angle = 0, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0)