



IES INDOOR REPORT

PHOTOMETRIC FILENAME : NUVHTVHOWT30MWD120-277V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [TESTLAB]
 [TESTDATE] 2017-07-20
 [ISSUEDATE] 2017-07-20 14:11:03
 [NEARFIELD]
 [LAMPPOSITION] 0,0
 [OTHER]
 [MANUFAC] BEGHELLI
 [LUMINAIRE] NUVHTVHOWT30MWD120-277V
 [LAMP] 3000K Ra80

CHARACTERISTICS

Lumens Per Lamp	38470 (1 lamp)
Total Lamp Lumens	38470
Luminaire Lumens	38470
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	290.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.02
Spacing Criterion (90-270)	1.00
Spacing Criterion (Diagonal)	0.94
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	109035	106952	109534
55	38167	37042	35950
65	22265	21949	22013
75	16993	16768	16858
85	4421	4454	4913

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	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36577.91	36577.73	36577.58	36577.45	36577.33	36577.24	36577.17	36577.27	36577.38	36577.46
1.0	36573.34	36573.17	36573.04	36572.95	36572.88	36572.84	36572.81	36572.91	36572.99	36573.04
1.5	36564.06	36564.20	36564.42	36564.69	36564.97	36565.23	36565.44	36565.36	36565.20	36564.96
2.0	36551.39	36551.75	36552.21	36552.73	36553.23	36553.70	36554.07	36553.88	36553.56	36553.15
2.5	36537.17	36537.13	36537.11	36537.12	36537.15	36537.20	36537.24	36537.32	36537.38	36537.42
3.0	36519.33	36518.84	36518.33	36517.82	36517.34	36516.95	36516.68	36517.07	36517.58	36518.13
3.5	36496.05	36495.66	36495.23	36494.81	36494.44	36494.15	36493.97	36494.46	36495.04	36495.67
4.0	36468.38	36468.24	36468.12	36468.01	36467.94	36467.93	36468.01	36468.55	36469.14	36469.76
4.5	36436.85	36437.05	36437.26	36437.49	36437.76	36438.08	36438.45	36439.14	36439.87	36440.60
5.0	36401.05	36401.57	36402.12	36402.69	36403.28	36403.90	36404.56	36405.42	36406.29	36407.15
5.5	36360.78	36361.49	36362.20	36362.91	36363.63	36364.37	36365.14	36366.09	36367.06	36368.02
6.0	36315.83	36316.74	36317.64	36318.54	36319.44	36320.35	36321.27	36322.35	36323.44	36324.52
6.5	36265.54	36266.90	36268.30	36269.75	36271.21	36272.66	36274.10	36275.48	36276.82	36278.09
7.0	36210.95	36212.70	36214.56	36216.50	36218.46	36220.41	36222.30	36223.94	36225.45	36226.86
7.5	36153.86	36155.64	36157.52	36159.45	36161.39	36163.31	36165.16	36166.67	36168.07	36169.35
8.0	36091.29	36093.03	36094.84	36096.68	36098.52	36100.32	36102.05	36103.41	36104.67	36105.82
8.5	36020.09	36021.98	36023.95	36025.96	36027.96	36029.92	36031.80	36033.24	36034.58	36035.82
9.0	35942.49	35944.57	35946.73	35948.93	35951.13	35953.28	35955.37	35957.02	35958.55	35960.01
9.5	35860.27	35862.39	35864.58	35866.82	35869.08	35871.32	35873.52	35875.52	35877.45	35879.27
10.0	35771.69	35773.93	35776.23	35778.59	35780.96	35783.32	35785.66	35788.02	35790.28	35792.43
10.5	35675.63	35678.34	35681.13	35683.95	35686.74	35689.48	35692.14	35694.54	35696.79	35698.87
11.0	35572.07	35575.25	35578.50	35581.76	35584.98	35588.09	35591.05	35593.52	35595.77	35597.80
11.5	35460.63	35463.88	35467.20	35470.53	35473.84	35477.07	35480.18	35483.09	35485.80	35488.29
12.0	35341.31	35344.57	35347.86	35351.15	35354.43	35357.66	35360.81	35364.12	35367.25	35370.16
12.5	35214.32	35217.77	35221.16	35224.46	35227.67	35230.80	35233.82	35237.02	35240.06	35242.86
13.0	35078.74	35082.40	35085.88	35089.20	35092.34	35095.34	35098.20	35101.21	35104.04	35106.64
13.5	34933.98	34937.75	34941.30	34944.66	34947.84	34950.84	34953.67	34956.74	34959.61	34962.22
14.0	34779.26	34783.06	34786.63	34789.98	34793.14	34796.12	34798.94	34802.08	34805.01	34807.67
14.5	34613.73	34617.36	34620.74	34623.89	34626.84	34629.60	34632.23	34635.28	34638.15	34640.76
15.0	34437.09	34440.59	34443.81	34446.80	34449.58	34452.19	34454.66	34457.66	34460.50	34463.08
15.5	34248.62	34252.29	34255.72	34258.93	34261.93	34264.77	34267.47	34270.72	34273.77	34276.51
16.0	34048.75	34052.62	34056.23	34059.63	34062.80	34065.79	34068.61	34072.01	34075.16	34077.95
16.5	33836.95	33840.97	33844.66	33848.03	33851.11	33853.92	33856.50	33859.55	33862.30	33864.65
17.0	33615.36	33619.16	33622.37	33625.08	33627.37	33629.30	33630.98	33633.45	33635.63	33637.45
17.5	33385.63	33388.58	33390.49	33391.59	33392.05	33392.08	33391.88	33393.40	33394.79	33395.92
18.0	33148.77	33149.82	33149.12	33147.11	33144.24	33140.93	33137.65	33138.66	33139.90	33141.16
18.5	32913.53	32910.27	32903.86	32895.28	32885.52	32875.55	32866.37	32867.89	32870.62	32874.02
19.0	32658.24	32650.93	32639.27	32624.73	32608.85	32593.12	32579.05	32582.41	32587.98	32594.79
19.5	32357.42	32349.06	32336.36	32320.98	32304.61	32288.93	32275.61	32284.08	32295.21	32307.64
20.0	32031.26	32023.27	32011.32	31997.09	31982.25	31968.48	31957.45	31969.99	31985.33	32001.84
20.5	31694.37	31687.16	31676.12	31662.82	31648.83	31635.74	31625.12	31635.91	31649.33	31663.98
21.0	31338.03	31333.04	31324.48	31313.68	31301.94	31290.59	31280.95	31287.70	31296.48	31306.30
21.5	30957.02	30957.79	30955.78	30951.71	30946.34	30940.39	30934.62	30936.64	30939.12	30941.62
22.0	30555.55	30561.24	30565.02	30567.07	30567.55	30566.65	30564.54	30562.28	30559.01	30554.74
22.5	30137.50	30142.06	30145.45	30147.63	30148.56	30148.21	30146.55	30142.80	30137.80	30131.63
23.0	29698.74	29700.58	29701.77	29702.21	29701.79	29700.41	29697.98	29693.63	29688.16	29681.61
23.5	29235.38	29236.09	29236.21	29235.64	29234.27	29231.98	29228.66	29223.40	29217.03	29209.55
24.0	28750.59	28750.36	28749.44	28747.73	28745.14	28741.60	28737.02	28730.69	28723.26	28714.73
24.5	28247.69	28246.41	28244.26	28241.18	28237.11	28232.00	28225.79	28217.80	28208.71	28198.56
25.0	27722.27	27719.91	27716.51	27712.05	27706.48	27699.79	27691.94	27682.21	27671.38	27659.52
25.5	27169.91	27166.46	27161.99	27156.45	27149.79	27141.97	27132.94	27121.76	27109.45	27096.09
26.0	26593.99	26589.32	26583.65	26576.94	26569.13	26560.16	26549.99	26537.65	26524.16	26509.64
26.5	25996.74	25990.38	25982.92	25974.37	25964.75	25954.06	25942.35	25929.40	25915.48	25900.64

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27.0	25377.14	25369.24	25360.15	25349.94	25338.68	25326.45	25313.32	25299.82	25285.50	25270.34
27.5	24734.17	24725.63	24715.96	24705.19	24693.37	24680.55	24666.76	24652.28	24636.88	24620.57
28.0	24070.00	24061.00	24050.98	24039.91	24027.80	24014.61	24000.34	23984.64	23967.88	23950.12
28.5	23386.02	23376.15	23365.38	23353.64	23340.85	23326.96	23311.90	23294.57	23276.11	23256.65
29.0	22683.59	22672.80	22661.21	22648.71	22635.20	22620.59	22604.78	22586.06	22566.21	22545.39
29.5	21963.88	21952.25	21939.84	21926.59	21912.39	21897.15	21880.80	21861.85	21841.84	21820.93
30.0	21228.93	21216.52	21203.39	21189.47	21174.70	21158.98	21142.27	21123.40	21103.56	21082.88
30.5	20479.84	20466.77	20453.17	20438.93	20423.96	20408.15	20391.41	20372.43	20352.53	20331.80
31.0	19720.57	19706.92	19692.88	19678.32	19663.11	19647.12	19630.23	19610.83	19590.54	19569.46
31.5	18954.75	18941.26	18927.27	18912.64	18897.20	18880.80	18863.31	18842.20	18820.09	18797.23
32.0	18184.43	18169.84	18154.57	18138.54	18121.66	18103.86	18085.05	18063.05	18040.24	18016.91
32.5	17412.64	17391.52	17369.46	17346.79	17323.85	17300.96	17278.48	17259.56	17241.22	17223.30
33.0	16640.16	16614.22	16587.31	16560.05	16533.05	16506.94	16482.33	16466.38	16452.02	16438.78
33.5	15865.31	15845.25	15825.05	15804.83	15784.73	15764.87	15745.38	15727.96	15710.90	15694.07
34.0	15098.53	15085.33	15072.74	15060.37	15047.81	15034.67	15020.55	15000.96	14980.30	14958.90
34.5	14352.27	14338.19	14324.41	14310.65	14296.65	14282.14	14266.83	14247.17	14226.74	14205.84
35.0	13618.76	13602.09	13585.15	13567.96	13550.50	13532.78	13514.80	13495.57	13476.25	13457.00
35.5	12892.71	12875.26	12857.25	12838.79	12820.00	12801.01	12781.93	12762.78	12743.80	12725.12
36.0	12179.12	12161.52	12143.23	12124.43	12105.27	12085.94	12066.60	12047.73	12029.13	12010.94
36.5	11479.21	11462.28	11444.91	11427.21	11409.29	11391.26	11373.22	11355.29	11337.56	11320.14
37.0	10798.99	10782.93	10766.75	10750.47	10734.10	10717.68	10701.23	10684.26	10667.40	10650.74
37.5	10145.75	10130.13	10114.43	10098.67	10082.87	10067.03	10051.17	10034.40	10017.78	10001.50
38.0	9516.89	9501.59	9486.18	9470.70	9455.18	9439.66	9424.17	9407.72	9391.55	9375.86
38.5	8911.38	8896.33	8881.11	8865.81	8850.52	8835.33	8820.34	8805.35	8790.78	8776.78
39.0	8331.86	8317.17	8302.26	8287.28	8272.35	8257.63	8243.24	8229.79	8216.87	8204.56
39.5	7781.16	7767.21	7753.13	7739.04	7725.05	7711.27	7697.81	7684.93	7672.57	7660.81
40.0	7257.72	7244.56	7231.40	7218.29	7205.32	7192.56	7180.09	7167.73	7155.84	7144.55
40.5	6760.54	6747.90	6735.28	6722.77	6710.46	6698.44	6686.79	6675.66	6665.05	6655.06
41.0	6290.85	6278.74	6266.68	6254.76	6243.09	6231.78	6220.92	6211.05	6201.78	6193.13
41.5	5849.66	5838.40	5827.21	5816.17	5805.40	5794.98	5785.00	5775.90	5767.38	5759.46
42.0	5436.52	5426.17	5415.91	5405.80	5395.93	5386.39	5377.24	5368.78	5360.85	5353.49
42.5	5051.25	5041.82	5032.46	5023.24	5014.24	5005.53	4997.20	4989.53	4982.35	4975.69
43.0	4693.97	4685.28	4676.59	4667.96	4659.50	4651.31	4643.46	4636.39	4629.79	4623.72
43.5	4368.25	4359.43	4350.25	4340.90	4331.58	4322.49	4313.81	4306.53	4299.92	4294.04
44.0	4063.58	4055.24	4046.38	4037.22	4027.99	4018.92	4010.23	4003.00	3996.46	3990.71
44.5	3766.10	3761.37	3756.75	3752.20	3747.69	3743.16	3738.57	3733.04	3727.52	3722.11
45.0	3489.36	3487.69	3486.79	3486.38	3486.15	3485.80	3485.03	3481.18	3476.73	3471.78
45.5	3245.87	3242.43	3239.75	3237.62	3235.82	3234.12	3232.30	3228.46	3224.36	3220.07
46.0	3024.90	3019.17	3013.94	3009.14	3004.73	3000.63	2996.78	2992.61	2988.67	2984.97
46.5	2819.91	2815.09	2810.40	2805.84	2801.44	2797.20	2793.15	2789.24	2785.55	2782.09
47.0	2630.90	2627.63	2624.16	2620.54	2616.83	2613.06	2609.30	2605.74	2602.27	2598.91
47.5	2455.78	2453.17	2450.37	2447.39	2444.27	2441.05	2437.75	2434.40	2431.05	2427.74
48.0	2294.23	2292.06	2289.77	2287.36	2284.82	2282.15	2279.37	2276.21	2272.97	2269.71
48.5	2145.71	2143.90	2141.95	2139.84	2137.59	2135.19	2132.64	2129.70	2126.67	2123.56
49.0	2008.83	2007.33	2005.65	2003.79	2001.76	1999.57	1997.21	1994.52	1991.70	1988.80
49.5	1882.09	1880.91	1879.54	1878.00	1876.29	1874.39	1872.31	1869.84	1867.23	1864.49
50.0	1765.30	1764.45	1763.45	1762.30	1760.97	1759.45	1757.72	1755.55	1753.17	1750.64
50.5	1657.87	1657.54	1657.19	1656.76	1656.18	1655.42	1654.42	1652.77	1650.82	1648.60
51.0	1559.46	1559.43	1559.42	1559.35	1559.16	1558.78	1558.15	1556.86	1555.25	1553.29
51.5	1470.88	1470.21	1469.27	1468.08	1466.69	1465.10	1463.37	1461.75	1460.00	1458.09
52.0	1388.16	1386.90	1385.11	1382.89	1380.38	1377.67	1374.90	1372.90	1370.94	1369.00
52.5	1306.03	1305.29	1304.14	1302.66	1300.90	1298.94	1296.84	1295.03	1293.14	1291.18
53.0	1229.30	1229.25	1228.99	1228.54	1227.86	1226.96	1225.82	1224.31	1222.56	1220.59
53.5	1162.22	1162.33	1162.27	1162.02	1161.55	1160.86	1159.91	1158.51	1156.85	1154.94
54.0	1101.19	1101.32	1101.26	1101.00	1100.52	1099.81	1098.86	1097.53	1095.96	1094.16
54.5	1043.95	1044.12	1044.08	1043.83	1043.36	1042.67	1041.74	1040.54	1039.10	1037.44

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55.0	990.77	990.96	990.92	990.67	990.20	989.51	988.61	987.51	986.20	984.69
55.5	941.21	941.44	941.44	941.23	940.80	940.15	939.30	938.27	937.03	935.58
56.0	895.02	895.30	895.36	895.21	894.84	894.27	893.50	892.51	891.33	889.95
56.5	851.80	852.15	852.31	852.26	852.01	851.56	850.91	850.01	848.91	847.61
57.0	811.54	811.96	812.20	812.25	812.11	811.78	811.25	810.43	809.41	808.20
57.5	774.18	774.62	774.88	774.98	774.89	774.61	774.14	773.38	772.43	771.30
58.0	739.44	739.88	740.16	740.27	740.20	739.96	739.53	738.82	737.94	736.88
58.5	707.14	707.60	707.89	708.03	708.00	707.79	707.40	706.73	705.89	704.88
59.0	676.92	677.39	677.70	677.85	677.84	677.66	677.30	676.68	675.89	674.94
59.5	648.38	648.83	649.13	649.28	649.27	649.10	648.78	648.23	647.52	646.67
60.0	621.52	621.94	622.22	622.35	622.34	622.19	621.88	621.40	620.77	620.01
60.5	596.20	596.61	596.88	597.01	596.99	596.84	596.54	596.07	595.46	594.74
61.0	572.41	572.81	573.07	573.18	573.16	573.00	572.71	572.23	571.62	570.91
61.5	550.12	550.51	550.76	550.87	550.84	550.68	550.38	549.88	549.27	548.56
62.0	529.19	529.56	529.79	529.88	529.83	529.66	529.36	528.86	528.24	527.54
62.5	509.50	509.82	510.00	510.04	509.96	509.76	509.44	508.97	508.40	507.75
63.0	490.95	491.21	491.33	491.33	491.20	490.97	490.63	490.20	489.68	489.10
63.5	473.44	473.65	473.73	473.68	473.52	473.27	472.92	472.52	472.05	471.52
64.0	456.83	457.00	457.05	456.97	456.78	456.51	456.15	455.78	455.35	454.87
64.5	440.97	441.11	441.12	441.01	440.81	440.52	440.16	439.81	439.42	438.98
65.0	425.87	425.98	425.96	425.83	425.62	425.32	424.97	424.64	424.26	423.86
65.5	411.52	411.61	411.58	411.45	411.23	410.94	410.59	410.25	409.88	409.48
66.0	397.76	397.85	397.82	397.70	397.49	397.20	396.87	396.52	396.15	395.75
66.5	384.41	384.50	384.49	384.39	384.21	383.97	383.67	383.33	382.95	382.55
67.0	371.55	371.65	371.65	371.57	371.42	371.21	370.94	370.60	370.23	369.83
67.5	359.28	359.36	359.35	359.27	359.11	358.89	358.61	358.27	357.89	357.49
68.0	347.37	347.44	347.41	347.31	347.13	346.90	346.61	346.27	345.89	345.49
68.5	335.61	335.68	335.66	335.56	335.40	335.17	334.90	334.56	334.19	333.81
69.0	324.04	324.10	324.07	323.97	323.81	323.59	323.32	323.00	322.66	322.29
69.5	312.56	312.58	312.51	312.37	312.16	311.91	311.62	311.32	311.01	310.69
70.0	301.33	301.30	301.18	300.99	300.74	300.44	300.12	299.85	299.58	299.30
70.5	290.52	290.47	290.32	290.10	289.82	289.50	289.17	288.91	288.66	288.41
71.0	279.95	279.88	279.72	279.48	279.19	278.86	278.52	278.28	278.04	277.80
71.5	269.47	269.40	269.24	269.01	268.73	268.41	268.08	267.84	267.60	267.37
72.0	259.14	259.07	258.92	258.70	258.42	258.12	257.80	257.56	257.33	257.11
72.5	248.99	248.91	248.73	248.49	248.21	247.89	247.56	247.37	247.18	247.00
73.0	238.94	238.85	238.66	238.40	238.10	237.77	237.45	237.29	237.14	237.01
73.5	228.91	228.83	228.66	228.42	228.13	227.82	227.50	227.35	227.21	227.08
74.0	218.92	218.86	218.71	218.49	218.23	217.93	217.63	217.49	217.35	217.22
74.5	209.00	208.94	208.80	208.60	208.34	208.06	207.78	207.66	207.55	207.45
75.0	199.05	199.01	198.89	198.70	198.47	198.22	197.96	197.86	197.78	197.71
75.5	188.94	188.95	188.89	188.77	188.61	188.42	188.22	188.13	188.05	187.96
76.0	178.85	178.90	178.89	178.83	178.73	178.61	178.47	178.39	178.30	178.21
76.5	168.94	168.98	168.97	168.90	168.80	168.68	168.55	168.51	168.47	168.42
77.0	159.06	159.09	159.06	158.99	158.88	158.75	158.63	158.62	158.62	158.62
77.5	149.05	149.11	149.11	149.07	149.01	148.92	148.82	148.83	148.83	148.82
78.0	139.06	139.15	139.19	139.19	139.17	139.13	139.07	139.06	139.05	139.02
78.5	129.20	129.29	129.35	129.37	129.37	129.35	129.31	129.30	129.27	129.23
79.0	119.40	119.50	119.57	119.61	119.63	119.62	119.60	119.57	119.53	119.47
79.5	109.66	109.77	109.85	109.91	109.95	109.97	109.96	109.91	109.85	109.76
80.0	100.01	100.12	100.21	100.29	100.34	100.36	100.36	100.30	100.21	100.10
80.5	90.48	90.57	90.64	90.68	90.71	90.71	90.69	90.62	90.54	90.44
81.0	81.12	81.19	81.23	81.25	81.24	81.22	81.17	81.11	81.03	80.95
81.5	72.01	72.07	72.11	72.13	72.14	72.12	72.08	72.00	71.91	71.80
82.0	63.17	63.23	63.27	63.30	63.30	63.29	63.26	63.16	63.05	62.92
82.5	54.74	54.76	54.77	54.76	54.72	54.68	54.61	54.49	54.36	54.22

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83.0	46.60	46.59	46.55	46.49	46.42	46.32	46.22	46.09	45.96	45.82
83.5	38.62	38.59	38.52	38.44	38.33	38.21	38.09	37.99	37.89	37.80
84.0	31.01	30.97	30.89	30.78	30.65	30.52	30.39	30.33	30.28	30.24
84.5	23.85	23.78	23.68	23.55	23.41	23.27	23.14	23.10	23.08	23.07
85.0	17.44	17.37	17.28	17.16	17.04	16.92	16.82	16.81	16.82	16.85
85.5	11.99	12.00	12.00	12.00	11.99	11.99	11.99	12.07	12.17	12.28
86.0	7.89	7.98	8.06	8.15	8.24	8.34	8.44	8.58	8.73	8.89
86.5	5.99	6.04	6.08	6.13	6.18	6.23	6.29	6.37	6.45	6.53
87.0	5.12	5.10	5.08	5.07	5.05	5.03	5.02	5.01	5.01	5.01
87.5	4.30	4.28	4.26	4.24	4.22	4.20	4.19	4.17	4.15	4.14
88.0	3.71	3.70	3.69	3.68	3.68	3.68	3.68	3.67	3.67	3.66
88.5	3.14	3.14	3.15	3.16	3.17	3.18	3.19	3.20	3.21	3.22
89.0	2.73	2.75	2.77	2.78	2.81	2.83	2.85	2.87	2.90	2.93
89.5	2.59	2.60	2.62	2.63	2.65	2.67	2.69	2.70	2.72	2.74
90.0	2.67	2.68	2.68	2.68	2.68	2.68	2.69	2.68	2.68	2.67

**Vert.
Angles**

Horizontal Angles

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36577.51	36577.50	36577.41	36576.84	36576.22	36575.58	36574.95	36574.39	36573.94	36574.05
1.0	36573.02	36572.92	36572.70	36571.86	36570.95	36570.02	36569.11	36568.31	36567.67	36567.87
1.5	36564.65	36564.26	36563.80	36563.04	36562.26	36561.49	36560.79	36560.19	36559.75	36560.02
2.0	36552.68	36552.14	36551.59	36551.05	36550.52	36550.05	36549.64	36549.32	36549.13	36549.39
2.5	36537.43	36537.39	36537.29	36536.90	36536.47	36536.02	36535.59	36535.20	36534.88	36534.95
3.0	36518.69	36519.19	36519.59	36519.32	36518.93	36518.47	36517.96	36517.45	36516.98	36516.88
3.5	36496.30	36496.86	36497.31	36497.02	36496.61	36496.13	36495.63	36495.14	36494.73	36494.84
4.0	36470.35	36470.88	36471.30	36471.04	36470.69	36470.28	36469.86	36469.48	36469.19	36469.51
4.5	36441.30	36441.94	36442.48	36442.57	36442.57	36442.48	36442.35	36442.18	36442.02	36442.10
5.0	36407.98	36408.76	36409.46	36409.95	36410.33	36410.61	36410.78	36410.85	36410.82	36410.63
5.5	36368.96	36369.86	36370.69	36371.40	36372.03	36372.54	36372.94	36373.21	36373.34	36373.17
6.0	36325.56	36326.55	36327.50	36328.33	36329.07	36329.71	36330.23	36330.62	36330.87	36330.82
6.5	36279.28	36280.38	36281.37	36282.14	36282.80	36283.34	36283.76	36284.07	36284.27	36284.41
7.0	36228.14	36229.29	36230.28	36230.95	36231.48	36231.89	36232.19	36232.39	36232.53	36232.87
7.5	36170.50	36171.52	36172.41	36173.02	36173.52	36173.90	36174.21	36174.45	36174.64	36175.14
8.0	36106.86	36107.78	36108.61	36109.29	36109.88	36110.38	36110.81	36111.17	36111.48	36112.02
8.5	36036.97	36038.04	36039.05	36040.20	36041.27	36042.25	36043.09	36043.80	36044.34	36044.60
9.0	35961.38	35962.68	35963.93	35965.49	35966.96	35968.30	35969.45	35970.38	35971.03	35970.98
9.5	35880.98	35882.57	35884.03	35885.40	35886.60	35887.61	35888.41	35888.98	35889.30	35889.22
10.0	35794.42	35796.22	35797.80	35798.87	35799.69	35800.27	35800.62	35800.74	35800.65	35800.52
10.5	35700.75	35702.41	35703.85	35704.91	35705.73	35706.29	35706.59	35706.64	35706.43	35705.98
11.0	35599.60	35601.15	35602.46	35603.55	35604.38	35604.92	35605.18	35605.13	35604.77	35603.92
11.5	35490.50	35492.40	35493.95	35494.87	35495.41	35495.59	35495.41	35494.88	35494.02	35492.71
12.0	35372.78	35375.02	35376.84	35377.61	35377.91	35377.76	35377.20	35376.24	35374.92	35373.23
12.5	35245.39	35247.56	35249.34	35250.27	35250.74	35250.77	35250.37	35249.53	35248.27	35246.41
13.0	35108.98	35110.98	35112.63	35113.67	35114.30	35114.49	35114.24	35113.54	35112.37	35110.40
13.5	34964.53	34966.48	34968.01	34968.74	34969.02	34968.83	34968.20	34967.12	34965.61	34963.59
14.0	34809.98	34811.89	34813.34	34813.73	34813.63	34813.02	34811.95	34810.43	34808.49	34806.23
14.5	34643.04	34644.93	34646.35	34646.87	34646.85	34646.29	34645.20	34643.56	34641.38	34638.34
15.0	34465.34	34467.20	34468.59	34469.16	34469.15	34468.56	34467.35	34465.51	34463.02	34459.16
15.5	34278.85	34280.71	34281.98	34281.99	34281.34	34280.05	34278.12	34275.55	34272.38	34268.27
16.0	34080.27	34082.00	34083.06	34082.45	34081.10	34079.05	34076.34	34073.01	34069.11	34064.65
16.5	33866.51	33867.79	33868.39	33867.61	33866.09	33863.82	33860.82	33857.13	33852.73	33847.18
17.0	33638.82	33639.63	33639.81	33638.85	33637.16	33634.69	33631.44	33627.39	33622.51	33615.71
17.5	33396.70	33397.01	33396.75	33395.40	33393.34	33390.53	33386.95	33382.55	33377.32	33369.83
18.0	33142.23	33142.88	33142.90	33140.79	33137.84	33134.05	33129.44	33124.00	33117.75	33109.24

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18.5	32877.53	32880.61	32882.70	32879.18	32874.30	32868.20	32861.01	32852.91	32844.05	32833.30
19.0	32601.91	32608.37	32613.24	32607.95	32600.48	32591.21	32580.49	32568.68	32556.16	32542.59
19.5	32320.00	32330.91	32339.04	32330.96	32319.44	32305.18	32288.88	32271.25	32252.98	32236.17
20.0	32017.91	32031.92	32042.28	32032.79	32018.94	32001.63	31981.74	31960.17	31937.82	31917.95
20.5	31678.46	31691.37	31701.32	31695.82	31686.47	31673.78	31658.27	31640.43	31620.77	31598.18
21.0	31316.18	31325.15	31332.23	31330.48	31325.91	31318.56	31308.49	31295.74	31280.36	31256.93
21.5	30943.71	30944.93	30944.86	30940.73	30934.83	30927.11	30917.54	30906.06	30892.65	30873.45
22.0	30549.51	30543.31	30536.20	30528.38	30519.65	30509.98	30499.34	30487.73	30475.14	30460.36
22.5	30124.39	30116.16	30107.04	30097.66	30087.48	30076.48	30064.67	30052.04	30038.57	30023.41
23.0	29674.00	29665.37	29655.75	29645.25	29633.82	29621.48	29608.25	29594.15	29579.22	29562.42
23.5	29200.99	29191.38	29180.73	29168.88	29156.08	29142.38	29127.82	29112.48	29096.39	29078.87
24.0	28705.12	28694.45	28682.75	28669.68	28655.66	28640.78	28625.11	28608.71	28591.68	28573.58
24.5	28187.40	28175.28	28162.25	28148.29	28133.54	28118.04	28101.85	28085.03	28067.64	28049.17
25.0	27646.73	27633.08	27618.66	27603.84	27588.38	27572.29	27555.63	27538.43	27520.71	27501.77
25.5	27081.80	27066.68	27050.85	27034.86	27018.30	27001.18	26983.54	26965.41	26946.82	26926.78
26.0	26494.19	26477.91	26460.92	26443.68	26425.89	26407.57	26388.79	26369.57	26349.97	26328.94
26.5	25884.91	25868.36	25851.03	25832.68	25813.70	25794.20	25774.26	25754.00	25733.51	25712.34
27.0	25254.34	25237.49	25219.79	25200.23	25179.99	25159.23	25138.10	25116.79	25095.44	25074.38
27.5	24603.35	24585.22	24566.19	24544.99	24523.13	24500.80	24478.25	24455.68	24433.32	24411.98
28.0	23931.39	23911.73	23891.19	23868.54	23845.32	23821.78	23798.18	23774.80	23751.88	23730.67
28.5	23236.29	23215.15	23193.35	23170.13	23146.63	23123.09	23099.79	23076.99	23054.93	23035.44
29.0	22523.77	22501.53	22478.84	22455.37	22431.87	22408.60	22385.82	22363.77	22342.72	22324.90
29.5	21799.25	21776.96	21754.20	21730.37	21706.51	21682.89	21659.79	21637.49	21616.27	21598.38
30.0	21061.46	21039.41	21016.86	20992.79	20968.63	20944.68	20921.23	20898.60	20877.07	20858.74
30.5	20310.36	20288.31	20265.75	20241.61	20217.39	20193.39	20169.94	20147.34	20125.89	20107.52
31.0	19547.75	19525.50	19502.87	19478.97	19455.10	19431.56	19408.64	19386.65	19365.89	19348.02
31.5	18773.88	18750.29	18726.72	18703.71	18681.18	18659.31	18638.32	18618.40	18599.75	18583.33
32.0	17993.33	17969.80	17946.58	17924.63	17903.45	17883.19	17864.03	17846.12	17829.63	17815.55
32.5	17205.65	17188.12	17170.55	17149.55	17128.77	17108.62	17089.51	17071.83	17056.00	17046.04
33.0	16426.14	16413.59	16400.64	16380.17	16359.43	16339.06	16319.70	16301.96	16286.49	16280.18
33.5	15677.33	15660.54	15643.56	15622.24	15601.16	15580.86	15561.89	15544.80	15530.15	15524.38
34.0	14937.05	14915.06	14893.24	14871.42	14850.47	14830.78	14812.75	14796.75	14783.18	14776.95
34.5	14184.76	14163.78	14143.21	14123.33	14104.44	14086.83	14070.79	14056.62	14044.61	14037.94
35.0	13438.01	13419.42	13401.42	13383.78	13367.13	13351.71	13337.74	13325.46	13315.11	13308.56
35.5	12706.87	12689.19	12672.21	12655.39	12639.66	12625.27	12612.48	12601.53	12592.67	12588.23
36.0	11993.25	11976.20	11959.89	11943.35	11927.97	11914.07	11901.95	11891.92	11884.28	11882.40
36.5	11303.13	11286.64	11270.76	11253.88	11238.13	11223.90	11211.59	11201.60	11194.32	11194.36
37.0	10634.41	10618.51	10603.15	10586.46	10570.88	10556.85	10544.82	10535.24	10528.55	10529.99
37.5	9985.71	9970.59	9956.31	9942.21	9929.42	9918.26	9909.03	9902.05	9897.62	9899.38
38.0	9360.88	9346.79	9333.82	9322.40	9312.47	9304.21	9297.79	9293.38	9291.16	9293.22
38.5	8763.48	8751.03	8739.55	8728.60	8719.01	8711.02	8704.87	8700.78	8699.01	8702.69
39.0	8192.92	8182.00	8171.87	8161.04	8151.40	8143.26	8136.96	8132.82	8131.17	8136.44
39.5	7649.74	7639.43	7629.98	7620.29	7611.82	7604.87	7599.72	7596.66	7595.97	7601.63
40.0	7133.95	7124.18	7115.33	7106.86	7099.68	7094.00	7090.06	7088.09	7088.32	7094.04
40.5	6645.76	6637.22	6629.52	6621.75	6615.14	6609.93	6606.37	6604.70	6605.15	6611.24
41.0	6185.14	6177.84	6171.27	6164.13	6158.00	6153.14	6149.82	6148.29	6148.81	6155.11
41.5	5752.18	5745.58	5739.68	5733.42	5728.12	5724.01	5721.33	5720.29	5721.11	5727.11
42.0	5346.75	5340.67	5335.31	5329.88	5325.40	5322.04	5319.99	5319.43	5320.55	5326.11
42.5	4969.59	4964.10	4959.24	4954.20	4950.02	4946.90	4945.01	4944.54	4945.69	4951.08
43.0	4618.19	4613.25	4608.94	4604.55	4600.98	4598.40	4596.95	4596.80	4598.11	4603.13
43.5	4288.94	4284.68	4281.32	4279.38	4278.37	4278.28	4279.08	4280.76	4283.29	4287.04
44.0	3985.83	3981.90	3979.00	3978.54	3979.06	3980.42	3982.47	3985.08	3988.10	3990.76
44.5	3716.92	3712.05	3707.61	3703.82	3700.64	3698.16	3696.46	3695.63	3695.74	3698.59
45.0	3466.44	3460.82	3455.03	3447.92	3441.07	3434.81	3429.44	3425.31	3422.71	3426.29
45.5	3215.65	3211.17	3206.70	3201.15	3195.96	3191.38	3187.69	3185.16	3184.05	3188.96
46.0	2981.55	2978.43	2975.65	2972.57	2970.00	2968.06	2966.90	2966.66	2967.47	2972.84

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46.5	2778.90	2775.99	2773.39	2770.92	2768.83	2767.18	2766.04	2765.45	2765.47	2767.87
47.0	2595.70	2592.67	2589.84	2587.43	2585.25	2583.30	2581.57	2580.08	2578.81	2577.95
47.5	2424.50	2421.38	2418.41	2415.89	2413.55	2411.38	2409.38	2407.54	2405.86	2404.42
48.0	2266.45	2263.26	2260.16	2257.45	2254.89	2252.49	2250.24	2248.16	2246.24	2244.85
48.5	2120.43	2117.32	2114.26	2111.56	2108.96	2106.44	2104.01	2101.67	2099.40	2097.40
49.0	1985.83	1982.85	1979.88	1977.19	1974.54	1971.92	1969.33	1966.75	1964.18	1961.68
49.5	1861.67	1858.78	1855.87	1853.11	1850.36	1847.62	1844.91	1842.24	1839.61	1837.38
50.0	1747.96	1745.16	1742.28	1739.32	1736.33	1733.33	1730.35	1727.42	1724.57	1722.47
50.5	1646.10	1643.34	1640.32	1636.73	1632.96	1629.06	1625.09	1621.12	1617.21	1614.01
51.0	1550.99	1548.32	1545.29	1541.41	1537.22	1532.79	1528.20	1523.51	1518.81	1514.40
51.5	1456.01	1453.76	1451.31	1448.62	1445.71	1442.58	1439.21	1435.60	1431.74	1426.87
52.0	1367.08	1365.15	1363.22	1361.67	1360.03	1358.20	1356.11	1353.69	1350.84	1345.97
52.5	1289.14	1287.01	1284.81	1282.74	1280.56	1278.22	1275.70	1272.95	1269.94	1265.77
53.0	1218.40	1216.00	1213.41	1210.55	1207.52	1204.36	1201.10	1197.77	1194.38	1191.01
53.5	1152.80	1150.44	1147.87	1144.96	1141.90	1138.71	1135.42	1132.09	1128.73	1125.54
54.0	1092.14	1089.91	1087.47	1084.71	1081.79	1078.75	1075.61	1072.42	1069.19	1066.04
54.5	1035.57	1033.48	1031.18	1028.48	1025.61	1022.62	1019.55	1016.43	1013.31	1010.38
55.0	982.96	981.02	978.87	976.24	973.45	970.54	967.57	964.56	961.58	958.88
55.5	933.94	932.10	930.07	927.59	924.96	922.22	919.41	916.59	913.79	911.24
56.0	888.38	886.63	884.70	882.37	879.92	877.36	874.76	872.13	869.53	867.15
56.5	846.13	844.48	842.65	840.44	838.12	835.71	833.26	830.81	828.40	826.27
57.0	806.81	805.25	803.52	801.43	799.23	796.96	794.66	792.38	790.16	788.28
57.5	770.00	768.54	766.92	764.97	762.92	760.81	758.68	756.56	754.51	752.77
58.0	735.66	734.28	732.77	730.96	729.05	727.09	725.11	723.15	721.25	719.63
58.5	703.72	702.41	700.97	699.24	697.43	695.57	693.71	691.88	690.12	688.70
59.0	673.84	672.60	671.24	669.58	667.85	666.08	664.32	662.61	660.98	659.74
59.5	645.68	644.56	643.31	641.75	640.11	638.44	636.78	635.17	633.64	632.49
60.0	619.12	618.10	616.97	615.52	614.00	612.45	610.90	609.40	607.99	606.92
60.5	593.89	592.94	591.89	590.59	589.23	587.85	586.48	585.16	583.92	582.97
61.0	570.09	569.18	568.20	567.05	565.85	564.65	563.46	562.33	561.26	560.45
61.5	547.75	546.87	545.93	544.89	543.83	542.76	541.73	540.74	539.83	539.15
62.0	526.76	525.91	525.02	524.07	523.11	522.17	521.26	520.40	519.62	519.05
62.5	507.03	506.27	505.46	504.60	503.73	502.88	502.07	501.30	500.61	500.12
63.0	488.47	487.78	487.07	486.28	485.50	484.72	483.98	483.29	482.67	482.25
63.5	470.94	470.33	469.68	468.96	468.24	467.53	466.86	466.23	465.68	465.33
64.0	454.35	453.79	453.21	452.55	451.89	451.25	450.63	450.07	449.58	449.29
64.5	438.51	438.02	437.50	436.92	436.34	435.78	435.25	434.76	434.34	434.07
65.0	423.43	422.98	422.52	422.02	421.53	421.05	420.59	420.18	419.82	419.57
65.5	409.07	408.64	408.21	407.77	407.34	406.94	406.56	406.22	405.92	405.71
66.0	395.33	394.91	394.49	394.11	393.74	393.39	393.08	392.80	392.56	392.39
66.5	382.14	381.72	381.32	380.97	380.64	380.34	380.07	379.83	379.64	379.48
67.0	369.42	369.01	368.61	368.29	367.99	367.73	367.50	367.29	367.13	366.99
67.5	357.08	356.68	356.30	356.01	355.76	355.53	355.33	355.17	355.03	354.90
68.0	345.09	344.70	344.33	344.06	343.83	343.63	343.46	343.32	343.21	343.09
68.5	333.41	333.02	332.65	332.37	332.12	331.90	331.71	331.56	331.44	331.36
69.0	321.91	321.54	321.18	320.89	320.63	320.39	320.19	320.03	319.90	319.84
69.5	310.37	310.05	309.75	309.52	309.31	309.13	308.97	308.83	308.72	308.61
70.0	299.04	298.78	298.55	298.38	298.23	298.11	298.00	297.90	297.81	297.65
70.5	288.17	287.95	287.74	287.60	287.47	287.36	287.26	287.17	287.10	286.96
71.0	277.58	277.38	277.19	277.05	276.92	276.81	276.72	276.64	276.58	276.48
71.5	267.15	266.95	266.77	266.64	266.52	266.43	266.35	266.29	266.23	266.14
72.0	256.90	256.71	256.53	256.40	256.30	256.21	256.13	256.07	256.01	255.92
72.5	246.84	246.68	246.54	246.39	246.26	246.14	246.03	245.94	245.86	245.79
73.0	236.89	236.77	236.65	236.49	236.33	236.17	236.03	235.91	235.80	235.74
73.5	226.96	226.84	226.73	226.56	226.39	226.23	226.08	225.94	225.83	225.77
74.0	217.10	216.98	216.86	216.69	216.52	216.36	216.20	216.07	215.95	215.87

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CANDELA TABULATION - (Cont.)

74.5	207.35	207.25	207.15	206.97	206.79	206.62	206.45	206.29	206.16	206.07
75.0	197.63	197.55	197.46	197.29	197.11	196.92	196.74	196.57	196.42	196.31
75.5	187.87	187.77	187.67	187.51	187.35	187.18	187.02	186.86	186.72	186.60
76.0	178.11	178.00	177.89	177.74	177.59	177.44	177.29	177.15	177.02	176.88
76.5	168.37	168.30	168.22	168.07	167.91	167.74	167.58	167.41	167.26	167.12
77.0	158.61	158.59	158.54	158.39	158.22	158.03	157.84	157.66	157.48	157.34
77.5	148.80	148.77	148.72	148.58	148.42	148.25	148.07	147.89	147.72	147.55
78.0	138.98	138.93	138.86	138.73	138.59	138.43	138.27	138.10	137.94	137.75
78.5	129.18	129.11	129.02	128.89	128.75	128.60	128.44	128.28	128.12	127.92
79.0	119.40	119.31	119.21	119.08	118.94	118.79	118.63	118.48	118.32	118.12
79.5	109.66	109.54	109.42	109.30	109.17	109.03	108.89	108.75	108.60	108.40
80.0	99.98	99.84	99.70	99.59	99.47	99.35	99.23	99.10	98.98	98.78
80.5	90.33	90.21	90.09	89.98	89.87	89.77	89.66	89.55	89.44	89.28
81.0	80.85	80.75	80.64	80.55	80.45	80.35	80.26	80.16	80.07	79.95
81.5	71.69	71.57	71.45	71.36	71.27	71.19	71.11	71.04	70.96	70.85
82.0	62.78	62.64	62.51	62.43	62.35	62.28	62.22	62.16	62.10	62.00
82.5	54.07	53.93	53.80	53.72	53.65	53.59	53.54	53.49	53.45	53.35
83.0	45.69	45.56	45.44	45.38	45.33	45.29	45.25	45.21	45.18	45.09
83.5	37.71	37.63	37.56	37.53	37.51	37.50	37.48	37.47	37.45	37.36
84.0	30.21	30.19	30.17	30.18	30.20	30.22	30.23	30.25	30.25	30.19
84.5	23.08	23.10	23.13	23.17	23.22	23.27	23.33	23.39	23.45	23.48
85.0	16.90	16.96	17.03	17.10	17.18	17.26	17.35	17.45	17.57	17.70
85.5	12.39	12.52	12.64	12.74	12.85	12.95	13.06	13.18	13.32	13.50
86.0	9.05	9.20	9.35	9.46	9.57	9.68	9.79	9.90	10.03	10.22
86.5	6.62	6.70	6.79	6.84	6.90	6.95	7.01	7.08	7.15	7.27
87.0	5.01	5.01	5.01	5.00	5.00	5.00	5.01	5.02	5.04	5.08
87.5	4.12	4.11	4.10	4.09	4.08	4.07	4.06	4.06	4.07	4.08
88.0	3.66	3.65	3.65	3.65	3.64	3.64	3.64	3.64	3.65	3.65
88.5	3.24	3.25	3.26	3.27	3.28	3.29	3.30	3.30	3.31	3.33
89.0	2.95	2.98	3.00	3.02	3.04	3.05	3.07	3.09	3.11	3.13
89.5	2.76	2.78	2.79	2.81	2.83	2.84	2.86	2.87	2.89	2.91
90.0	2.67	2.67	2.67	2.67	2.68	2.68	2.69	2.70	2.70	2.70

**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	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36574.27	36574.57	36574.92	36575.29	36575.64	36575.72	36575.77	36575.77	36575.74	36575.70
1.0	36568.22	36568.70	36569.24	36569.81	36570.36	36570.48	36570.55	36570.57	36570.54	36570.48
1.5	36560.42	36560.94	36561.52	36562.11	36562.67	36562.81	36562.89	36562.92	36562.92	36562.91
2.0	36549.76	36550.20	36550.69	36551.18	36551.64	36551.75	36551.83	36551.88	36551.91	36551.97
2.5	36535.08	36535.27	36535.50	36535.76	36536.02	36536.02	36536.03	36536.06	36536.13	36536.27
3.0	36516.83	36516.84	36516.89	36516.97	36517.08	36517.02	36516.98	36516.99	36517.08	36517.25
3.5	36495.04	36495.31	36495.63	36495.96	36496.30	36496.42	36496.53	36496.63	36496.72	36496.82
4.0	36469.92	36470.40	36470.91	36471.42	36471.89	36472.09	36472.22	36472.28	36472.27	36472.20
4.5	36442.18	36442.25	36442.30	36442.30	36442.24	36441.91	36441.54	36441.11	36440.67	36440.22
5.0	36410.34	36409.96	36409.48	36408.93	36408.30	36407.43	36406.52	36405.62	36404.75	36403.95
5.5	36372.85	36372.41	36371.88	36371.24	36370.53	36369.66	36368.77	36367.86	36366.98	36366.17
6.0	36330.63	36330.30	36329.87	36329.33	36328.71	36327.96	36327.16	36326.33	36325.49	36324.66
6.5	36284.43	36284.33	36284.11	36283.75	36283.27	36282.45	36281.53	36280.51	36279.41	36278.28
7.0	36233.12	36233.26	36233.27	36233.10	36232.75	36231.84	36230.74	36229.48	36228.09	36226.62
7.5	36175.57	36175.89	36176.07	36176.05	36175.80	36174.79	36173.56	36172.15	36170.59	36168.95
8.0	36112.48	36112.80	36112.96	36112.90	36112.59	36111.46	36110.09	36108.52	36106.82	36105.04
8.5	36044.66	36044.52	36044.16	36043.56	36042.74	36041.43	36039.91	36038.20	36036.37	36034.42
9.0	35970.62	35969.98	35969.09	35967.95	35966.59	35965.02	35963.27	35961.35	35959.30	35957.14
9.5	35888.86	35888.23	35887.34	35886.16	35884.72	35882.72	35880.50	35878.12	35875.61	35873.04

CANDELA TABULATION - (Cont.)

10.0	35800.16	35799.55	35798.67	35797.50	35796.02	35793.64	35790.99	35788.17	35785.24	35782.28
10.5	35705.27	35704.30	35703.04	35701.51	35699.69	35697.21	35694.50	35691.62	35688.62	35685.55
11.0	35602.75	35601.30	35599.57	35597.58	35595.36	35592.86	35590.16	35587.30	35584.30	35581.19
11.5	35491.10	35489.21	35487.08	35484.72	35482.17	35479.57	35476.80	35473.88	35470.80	35467.59
12.0	35371.23	35368.95	35366.44	35363.71	35360.82	35358.02	35355.07	35351.95	35348.68	35345.23
12.5	35244.16	35241.59	35238.73	35235.61	35232.29	35229.04	35225.63	35222.04	35218.27	35214.31
13.0	35107.99	35105.20	35102.05	35098.59	35094.88	35091.12	35087.15	35082.97	35078.61	35074.06
13.5	34961.13	34958.31	34955.11	34951.57	34947.71	34943.51	34939.04	34934.31	34929.37	34924.23
14.0	34803.58	34800.54	34797.13	34793.36	34789.24	34784.61	34779.68	34774.47	34769.03	34763.40
14.5	34634.80	34630.82	34626.45	34621.75	34616.75	34611.70	34606.44	34600.97	34595.34	34589.54
15.0	34454.70	34449.76	34444.41	34438.75	34432.87	34427.39	34421.80	34416.06	34410.21	34404.23
15.5	34263.61	34258.49	34252.98	34247.13	34241.03	34235.09	34228.97	34222.66	34216.18	34209.53
16.0	34059.70	34054.32	34048.56	34042.46	34036.08	34029.71	34023.12	34016.29	34009.23	34001.97
16.5	33841.03	33834.41	33827.41	33820.12	33812.65	33805.79	33798.82	33791.72	33784.47	33777.05
17.0	33608.23	33600.24	33591.91	33583.40	33574.87	33567.94	33561.08	33554.19	33547.19	33539.98
17.5	33361.67	33353.04	33344.14	33335.16	33326.33	33320.13	33314.07	33307.95	33301.57	33294.73
18.0	33100.16	33090.78	33081.34	33072.09	33063.28	33058.94	33054.90	33050.75	33046.09	33040.54
18.5	32822.30	32811.43	32801.05	32791.52	32783.23	32783.48	32784.50	32785.46	32785.52	32783.89
19.0	32529.14	32516.28	32504.48	32494.23	32485.99	32490.13	32495.53	32500.96	32505.21	32507.08
19.5	32219.88	32204.58	32190.73	32178.79	32169.22	32172.77	32177.83	32183.09	32187.27	32189.05
20.0	31898.66	31880.43	31863.74	31849.07	31836.91	31837.96	31840.71	31843.87	31846.19	31846.38
20.5	31575.06	31552.19	31530.36	31510.33	31492.89	31490.92	31491.01	31491.86	31492.17	31490.66
21.0	31231.88	31206.23	31180.93	31156.96	31135.32	31129.60	31125.97	31123.24	31120.23	31115.75
21.5	30852.89	30831.58	30810.14	30789.17	30769.30	30758.79	30749.28	30740.05	30730.41	30719.66
22.0	30444.76	30428.53	30411.85	30394.90	30377.88	30363.19	30348.40	30333.33	30317.76	30301.51
22.5	30007.55	29991.16	29974.37	29957.33	29940.19	29924.04	29907.91	29891.78	29875.64	29859.46
23.0	29544.99	29527.15	29509.08	29490.99	29473.08	29456.41	29440.17	29424.39	29409.15	29394.47
23.5	29060.83	29042.47	29023.97	29005.50	28987.25	28969.76	28952.78	28936.43	28920.83	28906.09
24.0	28555.07	28536.32	28517.48	28498.72	28480.20	28462.11	28444.57	28427.72	28411.73	28396.75
24.5	28030.34	28011.31	27992.23	27973.25	27954.54	27936.18	27918.40	27901.36	27885.23	27870.18
25.0	27482.51	27463.11	27443.72	27424.50	27405.63	27387.32	27369.67	27352.82	27336.93	27322.14
25.5	26906.50	26886.21	26866.10	26846.37	26827.22	26809.52	26792.69	26776.83	26762.04	26748.41
26.0	26307.79	26286.77	26266.11	26246.04	26226.79	26209.68	26193.68	26178.81	26165.13	26152.68
26.5	25691.23	25670.38	25649.98	25630.22	25611.30	25594.05	25577.91	25562.97	25549.30	25536.99
27.0	25053.59	25033.22	25013.40	24994.28	24975.99	24958.73	24942.58	24927.65	24914.09	24902.02
27.5	24391.17	24371.04	24351.69	24333.25	24315.85	24299.65	24284.71	24271.15	24259.06	24248.57
28.0	23710.27	23690.78	23672.28	23654.88	23638.65	23623.65	23610.03	23597.86	23587.26	23578.31
28.5	23016.95	22999.45	22982.96	22967.44	22952.91	22938.32	22924.89	22912.77	22902.13	22893.15
29.0	22308.23	22292.64	22278.03	22264.32	22251.41	22237.39	22224.32	22212.44	22201.98	22193.16
29.5	21581.77	21566.40	21552.19	21539.09	21527.04	21514.59	21503.31	21493.37	21484.94	21478.21
30.0	20841.80	20826.27	20812.13	20799.38	20788.00	20777.43	20768.32	20760.79	20754.91	20750.79
30.5	20090.65	20075.31	20061.55	20049.39	20038.86	20030.03	20022.91	20017.51	20013.87	20012.01
31.0	19331.72	19317.05	19304.07	19292.84	19283.41	19276.19	19270.83	19267.32	19265.67	19265.88
31.5	18568.44	18555.17	18543.59	18533.76	18525.76	18519.82	18515.82	18513.80	18513.81	18515.89
32.0	17803.08	17792.22	17783.00	17775.43	17769.54	17764.63	17761.55	17760.43	17761.43	17764.67
32.5	17038.11	17031.98	17027.43	17024.26	17022.23	17018.03	17015.08	17013.69	17014.18	17016.86
33.0	16276.31	16274.45	16274.14	16274.94	16276.41	16272.80	16269.89	16268.15	16268.04	16270.04
33.5	15521.12	15519.90	15520.26	15521.72	15523.84	15520.49	15517.84	15516.39	15516.64	15519.10
34.0	14773.14	14771.37	14771.25	14772.39	14774.42	14772.16	14770.84	14770.89	14772.73	14776.80
34.5	14033.50	14031.10	14030.53	14031.59	14034.08	14035.73	14038.76	14043.31	14049.54	14057.61
35.0	13304.11	13301.72	13301.34	13302.92	13306.40	13312.13	13319.61	13328.71	13339.31	13351.30
35.5	12586.02	12585.95	12587.89	12591.76	12597.44	12604.91	12613.96	12624.49	12636.37	12649.49
36.0	11882.99	11885.82	11890.68	11897.33	11905.57	11914.18	11924.10	11935.26	11947.62	11961.13
36.5	11197.18	11202.46	11209.89	11219.13	11229.88	11240.27	11251.78	11264.36	11277.94	11292.46
37.0	10534.39	10541.39	10550.60	10561.66	10574.18	10586.13	10599.10	10613.00	10627.75	10643.27
37.5	9903.73	9910.42	9919.18	9929.75	9941.87	9954.66	9968.60	9983.50	9999.24	10015.64

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CANDELA TABULATION - (Cont.)

38.0	9297.48	9303.77	9311.94	9321.83	9333.28	9346.38	9360.67	9375.98	9392.09	9408.82
38.5	8708.64	8716.63	8726.38	8737.65	8750.16	8762.74	8776.21	8790.48	8805.44	8820.99
39.0	8144.14	8153.91	8165.35	8178.09	8191.76	8203.78	8216.36	8229.50	8243.20	8257.47
39.5	7609.59	7619.52	7631.06	7643.86	7657.58	7670.02	7683.00	7696.50	7710.49	7724.94
40.0	7101.89	7111.58	7122.80	7135.26	7148.67	7161.44	7174.79	7188.64	7202.92	7217.56
40.5	6619.38	6629.25	6640.54	6652.93	6666.11	6678.10	6690.53	6703.37	6716.58	6730.13
41.0	6163.38	6173.28	6184.46	6196.60	6209.36	6220.34	6231.62	6243.21	6255.13	6267.39
41.5	5734.90	5744.16	5754.61	5765.92	5777.80	5788.07	5798.62	5809.48	5820.66	5832.17
42.0	5333.27	5341.77	5351.36	5361.77	5372.75	5382.61	5392.77	5403.22	5413.94	5424.92
42.5	4958.03	4966.31	4975.68	4985.90	4996.75	5007.34	5018.20	5029.21	5040.25	5051.20
43.0	4609.57	4617.22	4625.90	4635.40	4645.53	4656.02	4666.75	4677.54	4688.19	4698.53
43.5	4291.53	4296.68	4302.41	4308.62	4315.23	4321.94	4328.93	4336.12	4343.49	4350.96
44.0	3993.66	3996.78	4000.08	4003.54	4007.12	4009.93	4012.95	4016.31	4020.13	4024.52
44.5	3702.26	3706.53	3711.20	3716.04	3720.86	3723.23	3725.54	3727.94	3730.60	3733.71
45.0	3431.30	3437.35	3444.01	3450.86	3457.50	3459.83	3461.74	3463.46	3465.19	3467.15
45.5	3195.09	3201.95	3209.07	3215.96	3222.17	3222.10	3221.27	3220.08	3218.91	3218.19
46.0	2978.96	2985.40	2991.72	2997.48	3002.24	3000.04	2996.92	2993.41	2990.00	2987.22
46.5	2770.71	2773.74	2776.73	2779.46	2781.68	2780.11	2778.10	2775.93	2773.89	2772.28
47.0	2577.28	2576.76	2576.38	2576.08	2575.85	2575.24	2574.69	2574.25	2573.96	2573.84
47.5	2403.09	2401.87	2400.73	2399.65	2398.59	2397.18	2395.82	2394.56	2393.43	2392.47
48.0	2243.57	2242.35	2241.11	2239.82	2238.40	2235.85	2233.22	2230.62	2228.16	2225.94
48.5	2095.44	2093.48	2091.49	2089.43	2087.26	2084.04	2080.80	2077.66	2074.75	2072.17
49.0	1959.17	1956.62	1954.01	1951.33	1948.57	1944.82	1941.09	1937.52	1934.23	1931.36
49.5	1835.15	1832.85	1830.44	1827.86	1825.05	1820.74	1816.32	1811.92	1807.70	1803.83
50.0	1720.39	1718.25	1715.98	1713.48	1710.68	1706.10	1701.30	1696.43	1691.64	1687.10
50.5	1610.88	1607.79	1604.69	1601.54	1598.30	1594.15	1589.97	1585.83	1581.84	1578.07
51.0	1510.06	1505.83	1501.72	1497.76	1493.98	1490.53	1487.29	1484.26	1481.44	1478.85
51.5	1421.85	1416.82	1411.90	1407.20	1402.86	1400.18	1397.89	1395.90	1394.14	1392.50
52.0	1340.78	1335.46	1330.20	1325.17	1320.56	1318.39	1316.68	1315.31	1314.15	1313.06
52.5	1261.42	1257.00	1252.61	1248.37	1244.39	1241.74	1239.41	1237.34	1235.48	1233.77
53.0	1187.63	1184.27	1180.94	1177.67	1174.48	1171.25	1168.16	1165.24	1162.54	1160.09
53.5	1122.37	1119.24	1116.15	1113.13	1110.17	1107.09	1104.13	1101.34	1098.77	1096.46
54.0	1062.92	1059.83	1056.82	1053.89	1051.07	1048.33	1045.74	1043.33	1041.14	1039.17
54.5	1007.50	1004.69	1001.95	999.30	996.76	994.26	991.91	989.73	987.74	985.97
55.0	956.25	953.71	951.25	948.89	946.63	944.40	942.30	940.36	938.59	937.02
55.5	908.78	906.40	904.11	901.94	899.89	897.98	896.21	894.59	893.14	891.85
56.0	864.84	862.63	860.52	858.53	856.68	855.08	853.62	852.30	851.14	850.11
56.5	824.23	822.30	820.47	818.75	817.16	815.76	814.49	813.34	812.32	811.43
57.0	786.51	784.84	783.28	781.82	780.48	779.26	778.15	777.15	776.26	775.47
57.5	751.14	749.61	748.20	746.90	745.72	744.72	743.84	743.06	742.38	741.79
58.0	718.12	716.72	715.44	714.28	713.24	712.46	711.80	711.24	710.76	710.37
58.5	687.39	686.19	685.12	684.16	683.32	682.71	682.21	681.80	681.46	681.17
59.0	658.62	657.62	656.74	655.98	655.33	654.88	654.53	654.25	654.02	653.83
59.5	631.47	630.57	629.80	629.15	628.63	628.36	628.19	628.09	628.03	627.99
60.0	605.98	605.16	604.48	603.92	603.49	603.38	603.37	603.43	603.52	603.62
60.5	582.15	581.44	580.85	580.39	580.05	580.04	580.13	580.27	580.45	580.62
61.0	559.75	559.15	558.67	558.29	558.04	558.10	558.25	558.45	558.67	558.89
61.5	538.57	538.09	537.71	537.44	537.27	537.38	537.57	537.80	538.05	538.30
62.0	518.59	518.21	517.94	517.75	517.66	517.81	518.03	518.29	518.56	518.83
62.5	499.73	499.43	499.21	499.09	499.06	499.27	499.55	499.86	500.18	500.49
63.0	481.92	481.67	481.51	481.44	481.46	481.72	482.05	482.40	482.77	483.11
63.5	465.06	464.88	464.79	464.77	464.84	465.13	465.47	465.84	466.21	466.56
64.0	449.08	448.96	448.91	448.94	449.04	449.34	449.69	450.07	450.44	450.79
64.5	433.88	433.76	433.72	433.75	433.86	434.19	434.57	434.97	435.38	435.75
65.0	419.39	419.27	419.23	419.25	419.35	419.70	420.11	420.53	420.96	421.35
65.5	405.56	405.47	405.44	405.47	405.57	405.91	406.29	406.69	407.09	407.46

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66.0	392.27	392.20	392.19	392.23	392.34	392.66	393.02	393.39	393.76	394.11
66.5	379.38	379.32	379.32	379.37	379.48	379.82	380.20	380.59	380.97	381.32
67.0	366.89	366.84	366.84	366.90	367.01	367.37	367.76	368.16	368.56	368.91
67.5	354.81	354.75	354.75	354.79	354.89	355.22	355.59	355.97	356.34	356.67
68.0	343.00	342.95	342.94	342.98	343.06	343.36	343.70	344.05	344.38	344.68
68.5	331.31	331.30	331.34	331.41	331.53	331.80	332.10	332.41	332.70	332.96
69.0	319.82	319.84	319.90	320.00	320.13	320.40	320.68	320.96	321.24	321.48
69.5	308.53	308.49	308.48	308.52	308.61	308.91	309.24	309.59	309.93	310.24
70.0	297.50	297.39	297.32	297.30	297.34	297.67	298.04	298.44	298.84	299.21
70.5	286.84	286.74	286.68	286.67	286.71	287.01	287.35	287.71	288.07	288.40
71.0	276.39	276.33	276.30	276.31	276.36	276.62	276.91	277.21	277.51	277.78
71.5	266.05	265.99	265.96	265.96	266.01	266.25	266.52	266.81	267.09	267.34
72.0	255.84	255.78	255.75	255.75	255.79	256.01	256.27	256.54	256.80	257.05
72.5	245.73	245.70	245.69	245.72	245.78	245.97	246.19	246.43	246.65	246.87
73.0	235.71	235.70	235.72	235.77	235.85	236.03	236.22	236.42	236.62	236.81
73.5	225.73	225.73	225.75	225.80	225.88	226.07	226.28	226.50	226.71	226.91
74.0	215.83	215.81	215.82	215.86	215.94	216.15	216.38	216.62	216.85	217.07
74.5	206.00	205.97	205.96	205.99	206.06	206.27	206.49	206.73	206.97	207.20
75.0	196.23	196.17	196.15	196.17	196.22	196.42	196.64	196.88	197.11	197.34
75.5	186.50	186.42	186.38	186.38	186.41	186.60	186.83	187.07	187.31	187.54
76.0	176.77	176.68	176.62	176.60	176.62	176.81	177.03	177.27	177.51	177.75
76.5	167.00	166.91	166.85	166.82	166.84	167.01	167.22	167.44	167.67	167.90
77.0	157.21	157.12	157.05	157.02	157.04	157.20	157.40	157.61	157.84	158.05
77.5	147.40	147.28	147.19	147.14	147.14	147.32	147.54	147.79	148.04	148.28
78.0	137.58	137.43	137.31	137.24	137.22	137.43	137.68	137.96	138.25	138.53
78.5	127.74	127.58	127.45	127.38	127.36	127.58	127.85	128.15	128.45	128.75
79.0	117.93	117.77	117.64	117.56	117.54	117.77	118.05	118.35	118.66	118.95
79.5	108.21	108.04	107.90	107.81	107.77	107.98	108.23	108.51	108.80	109.07
80.0	98.60	98.43	98.29	98.20	98.15	98.33	98.56	98.81	99.07	99.32
80.5	89.13	88.99	88.89	88.82	88.80	88.98	89.21	89.46	89.71	89.95
81.0	79.83	79.73	79.66	79.63	79.63	79.83	80.05	80.30	80.54	80.76
81.5	70.75	70.67	70.61	70.58	70.59	70.77	70.98	71.20	71.42	71.62
82.0	61.91	61.83	61.78	61.75	61.75	61.91	62.10	62.30	62.49	62.67
82.5	53.27	53.19	53.13	53.10	53.10	53.24	53.41	53.59	53.77	53.93
83.0	45.00	44.93	44.87	44.83	44.82	44.95	45.11	45.27	45.43	45.58
83.5	37.28	37.20	37.13	37.08	37.06	37.18	37.32	37.47	37.63	37.77
84.0	30.13	30.07	30.01	29.98	29.97	30.08	30.21	30.35	30.49	30.63
84.5	23.52	23.56	23.60	23.65	23.71	23.82	23.93	24.05	24.16	24.27
85.0	17.84	17.98	18.13	18.27	18.41	18.51	18.61	18.71	18.80	18.88
85.5	13.69	13.88	14.07	14.26	14.43	14.55	14.65	14.74	14.82	14.89
86.0	10.41	10.61	10.81	11.00	11.17	11.29	11.40	11.49	11.57	11.64
86.5	7.40	7.54	7.67	7.80	7.93	8.03	8.12	8.21	8.28	8.35
87.0	5.13	5.19	5.25	5.31	5.38	5.45	5.52	5.59	5.65	5.71
87.5	4.09	4.11	4.14	4.16	4.19	4.22	4.26	4.29	4.33	4.36
88.0	3.65	3.66	3.66	3.67	3.67	3.68	3.68	3.69	3.69	3.70
88.5	3.34	3.35	3.37	3.38	3.39	3.40	3.40	3.41	3.41	3.41
89.0	3.16	3.18	3.21	3.23	3.25	3.27	3.28	3.29	3.30	3.30
89.5	2.92	2.94	2.96	2.98	2.99	3.00	3.01	3.02	3.03	3.04
90.0	2.70	2.70	2.70	2.70	2.70	2.70	2.71	2.71	2.72	2.72

**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	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36575.63	36575.63	36575.59	36575.55	36575.47	36575.36	36575.21	36574.98	36574.75	36574.54
1.0	36570.41	36570.52	36570.60	36570.63	36570.59	36570.45	36570.21	36569.68	36569.12	36568.58

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1.5	36562.91	36563.29	36563.63	36563.89	36564.02	36563.97	36563.70	36562.68	36561.60	36560.53
2.0	36552.05	36552.77	36553.44	36554.00	36554.36	36554.46	36554.21	36552.81	36551.30	36549.76
2.5	36536.48	36537.54	36538.59	36539.52	36540.24	36540.64	36540.61	36539.30	36537.75	36536.09
3.0	36517.52	36518.77	36520.00	36521.11	36521.97	36522.45	36522.45	36521.38	36519.96	36518.33
3.5	36496.94	36497.84	36498.64	36499.22	36499.45	36499.21	36498.41	36497.67	36496.52	36495.09
4.0	36472.07	36472.57	36472.88	36472.89	36472.48	36471.55	36469.98	36469.34	36468.28	36466.92
4.5	36439.79	36440.23	36440.58	36440.70	36440.46	36439.76	36438.46	36437.05	36435.35	36433.48
5.0	36403.26	36403.73	36404.18	36404.50	36404.53	36404.14	36403.22	36400.93	36398.47	36395.96
5.5	36365.44	36365.84	36366.21	36366.40	36366.27	36365.67	36364.48	36361.85	36359.02	36356.14
6.0	36323.87	36324.14	36324.31	36324.23	36323.75	36322.72	36321.00	36318.20	36315.11	36311.91
6.5	36277.13	36277.09	36276.89	36276.35	36275.31	36273.64	36271.16	36268.12	36264.73	36261.19
7.0	36225.09	36224.77	36224.24	36223.30	36221.79	36219.52	36216.34	36213.15	36209.53	36205.68
7.5	36167.25	36166.99	36166.51	36165.61	36164.09	36161.75	36158.41	36155.14	36151.33	36147.23
8.0	36103.21	36103.02	36102.60	36101.74	36100.22	36097.83	36094.35	36091.24	36087.49	36083.36
8.5	36032.41	36031.92	36031.15	36029.86	36027.84	36024.85	36020.68	36018.52	36015.53	36011.98
9.0	35954.89	35954.14	35953.06	35951.41	35948.93	35945.40	35940.58	35939.16	35936.77	35933.66
9.5	35870.45	35869.88	35869.03	35867.63	35865.38	35862.01	35857.25	35855.19	35852.13	35848.36
10.0	35779.37	35778.98	35778.36	35777.18	35775.13	35771.86	35767.07	35764.22	35760.34	35755.79
10.5	35682.48	35681.90	35681.00	35679.41	35676.80	35672.84	35667.15	35664.41	35660.52	35655.85
11.0	35577.99	35577.09	35575.74	35573.57	35570.22	35565.33	35558.55	35556.16	35552.49	35547.93
11.5	35464.23	35463.02	35461.28	35458.62	35454.65	35449.03	35441.38	35439.27	35435.80	35431.40
12.0	35341.60	35340.06	35337.91	35334.77	35330.25	35323.98	35315.59	35313.67	35310.38	35306.11
12.5	35210.19	35208.22	35205.65	35202.07	35197.09	35190.34	35181.41	35179.38	35175.93	35171.48
13.0	35069.35	35066.98	35064.00	35060.03	35054.64	35047.44	35038.05	35036.10	35032.65	35028.14
13.5	34918.93	34916.23	34912.94	34908.60	34902.79	34895.11	34885.12	34884.17	34881.51	34877.60
14.0	34757.61	34754.65	34751.09	34746.44	34740.27	34732.12	34721.56	34721.68	34719.86	34716.60
14.5	34583.62	34580.54	34576.83	34572.02	34565.64	34557.23	34546.34	34546.69	34545.00	34541.79
15.0	34398.13	34394.87	34390.94	34385.87	34379.16	34370.37	34358.98	34359.59	34358.05	34354.93
15.5	34202.72	34198.90	34194.37	34188.60	34181.09	34171.34	34158.84	34160.58	34159.99	34157.65
16.0	33994.49	33990.12	33984.95	33978.43	33970.03	33959.20	33945.44	33948.20	33948.52	33947.03
16.5	33769.45	33764.94	33759.60	33752.86	33744.15	33732.91	33718.60	33721.35	33721.82	33720.65
17.0	33532.50	33527.75	33521.98	33514.58	33504.97	33492.56	33476.79	33479.10	33479.46	33478.55
17.5	33287.25	33281.61	33274.45	33265.10	33252.96	33237.39	33217.78	33219.29	33219.48	33219.07
18.0	33033.70	33026.94	33017.76	33005.48	32989.42	32968.93	32943.35	32944.44	32944.70	32944.93
18.5	32779.72	32771.75	32759.66	32742.72	32720.22	32691.47	32655.77	32657.82	32658.89	32659.80
19.0	32505.32	32496.27	32481.57	32460.47	32432.20	32396.04	32351.23	32354.94	32357.33	32359.24
19.5	32187.14	32177.61	32162.21	32140.13	32110.55	32072.68	32025.72	32031.31	32035.31	32038.61
20.0	31843.18	31833.14	31817.51	31795.44	31766.05	31728.53	31682.02	31690.26	31696.69	31702.20
20.5	31486.04	31474.59	31457.83	31434.91	31404.98	31367.23	31320.84	31332.92	31343.18	31352.36
21.0	31108.63	31096.03	31078.66	31055.66	31026.16	30989.31	30944.29	30961.36	30976.52	30990.34
21.5	30707.10	30694.07	30677.44	30656.18	30629.28	30595.76	30554.62	30579.02	30601.27	30621.63
22.0	30284.39	30272.75	30258.66	30240.82	30217.96	30188.82	30152.14	30182.82	30210.65	30235.73
22.5	29843.23	29837.50	29829.81	29818.36	29801.35	29777.05	29743.72	29775.17	29801.91	29824.46
23.0	29380.42	29380.77	29379.42	29374.08	29362.53	29342.54	29311.92	29342.96	29367.43	29386.35
23.5	28892.33	28894.54	28895.32	28892.29	28883.08	28865.34	28836.75	28869.56	28895.12	28914.60
24.0	28382.93	28385.59	28387.02	28384.83	28376.62	28360.05	28332.77	28367.96	28395.60	28416.90
24.5	27856.37	27859.41	27861.30	27859.56	27851.79	27835.60	27808.62	27846.28	27876.04	27899.17
25.0	27308.60	27311.96	27314.13	27312.64	27305.07	27289.01	27262.06	27302.46	27334.67	27359.96
25.5	26736.03	26740.08	26742.89	26742.01	26735.00	26719.49	26693.09	26736.58	26771.67	26799.60
26.0	26141.51	26146.47	26150.18	26150.16	26144.01	26129.33	26103.73	26150.34	26188.25	26218.71
26.5	25526.12	25532.22	25537.19	25538.50	25533.66	25520.20	25495.69	25545.16	25585.30	25617.48
27.0	24891.56	24899.00	24905.45	24908.32	24905.05	24893.11	24869.97	24921.96	24964.00	24997.53
27.5	24239.78	24248.87	24257.04	24261.67	24260.20	24250.10	24228.84	24282.68	24326.21	24360.90
28.0	23571.13	23581.76	23591.51	23597.79	23598.02	23589.67	23570.25	23625.77	23670.68	23706.50
28.5	22886.00	22897.39	22908.01	22915.25	22916.50	22909.24	22890.91	22948.37	22994.93	23032.14
29.0	22186.23	22198.43	22209.96	22218.15	22220.40	22214.14	22196.80	22256.29	22304.55	22343.18

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CANDELA TABULATION - (Cont.)

29.5	21473.35	21487.28	21500.46	21510.25	21514.03	21509.22	21493.27	21555.11	21605.24	21645.28
30.0	20748.52	20764.47	20779.58	20791.17	20796.65	20793.42	20778.93	20842.66	20894.24	20935.29
30.5	20011.98	20029.88	20046.79	20060.03	20066.97	20064.98	20051.49	20115.48	20167.16	20208.18
31.0	19267.95	19287.91	19306.88	19322.13	19331.01	19330.88	19319.13	19383.10	19434.58	19475.28
31.5	18520.07	18542.61	18564.47	18582.95	18595.40	18599.22	18591.79	18656.81	18708.87	18749.65
32.0	17770.31	17795.08	17819.56	17841.10	17857.06	17864.86	17861.92	17927.87	17980.35	18021.05
32.5	17022.04	17047.64	17073.25	17096.21	17113.90	17123.73	17123.14	17189.03	17241.08	17281.02
33.0	16274.60	16300.63	16326.89	16350.74	16369.55	16380.75	16381.78	16447.09	16498.32	16537.24
33.5	15524.27	15551.28	15578.70	15603.90	15624.27	15637.24	15640.25	15704.67	15754.92	15792.79
34.0	14783.54	14811.22	14839.25	14865.06	14886.10	14899.85	14903.80	14967.05	15016.20	15053.03
34.5	14067.66	14094.83	14121.61	14145.64	14164.59	14176.14	14178.01	14240.08	14288.39	14324.61
35.0	13364.57	13391.12	13416.53	13438.67	13455.40	13464.64	13464.31	13524.64	13571.62	13606.82
35.5	12663.72	12690.60	12716.27	12738.68	12755.78	12765.57	12766.04	12823.25	12867.45	12900.23
36.0	11975.72	12003.13	12029.42	12052.56	12070.53	12081.38	12083.12	12136.79	12177.76	12207.69
36.5	11307.88	11335.73	11362.28	11385.53	11403.51	11414.26	11415.85	11466.08	11503.87	11530.91
37.0	10659.46	10687.49	10714.02	10737.09	10754.77	10765.13	10766.28	10813.74	10849.02	10873.80
37.5	10032.55	10060.12	10086.05	10108.46	10125.51	10135.35	10136.18	10183.07	10218.02	10242.62
38.0	9425.97	9452.82	9478.00	9499.71	9516.20	9525.72	9526.54	9572.82	9607.49	9632.05
38.5	8837.03	8863.18	8887.89	8909.42	8926.09	8936.21	8938.10	8981.29	9013.52	9036.20
39.0	8272.31	8297.73	8321.94	8343.26	8360.04	8370.63	8373.42	8413.15	8442.55	8463.01
39.5	7739.82	7764.64	7788.14	7808.68	7824.65	7834.46	7836.53	7874.00	7901.47	7920.30
40.0	7232.48	7256.61	7279.27	7298.87	7313.87	7322.70	7323.84	7359.33	7385.11	7402.49
40.5	6744.00	6767.10	6788.85	6807.72	6822.19	6830.77	6831.96	6865.46	6889.60	6905.66
41.0	6280.02	6301.91	6322.61	6340.64	6354.56	6362.91	6364.26	6395.57	6417.96	6432.68
41.5	5844.05	5864.72	5884.30	5901.37	5914.55	5922.47	5923.78	5952.15	5972.25	5985.26
42.0	5436.15	5455.33	5473.36	5488.93	5500.75	5507.55	5508.05	5533.52	5551.45	5562.95
42.5	5061.94	5078.77	5094.01	5106.45	5114.93	5118.28	5115.32	5138.60	5155.15	5165.95
43.0	4708.36	4722.93	4735.64	4745.43	4751.21	4751.91	4746.47	4768.13	4783.68	4794.04
43.5	4358.50	4371.94	4384.29	4394.53	4401.62	4404.55	4402.30	4423.27	4438.15	4447.85
44.0	4029.61	4042.07	4054.30	4065.31	4074.14	4079.80	4081.34	4101.66	4115.92	4124.98
44.5	3737.41	3748.08	3758.58	3768.05	3775.62	3780.42	3781.61	3800.18	3813.34	3821.86
45.0	3469.56	3478.59	3487.45	3495.33	3501.46	3505.05	3505.34	3522.30	3534.51	3542.64
45.5	3218.29	3227.04	3236.11	3244.64	3251.78	3256.69	3258.52	3275.43	3287.68	3295.85
46.0	2985.56	2993.83	3002.79	3011.56	3019.25	3024.98	3027.88	3044.60	3056.74	3064.86
46.5	2771.38	2777.16	2783.23	2788.91	2793.54	2796.45	2796.99	2811.54	2822.23	2829.57
47.0	2573.95	2577.11	2580.07	2582.40	2583.67	2583.46	2581.35	2593.49	2602.55	2609.00
47.5	2391.72	2393.64	2395.42	2396.71	2397.14	2396.36	2394.00	2404.87	2413.09	2419.12
48.0	2224.07	2225.32	2226.65	2227.72	2228.19	2227.71	2225.94	2235.78	2243.32	2248.94
48.5	2070.06	2071.09	2072.37	2073.58	2074.42	2074.58	2073.74	2082.05	2088.39	2093.13
49.0	1929.02	1929.80	1930.96	1932.20	1933.25	1933.82	1933.65	1940.99	1946.60	1950.80
49.5	1800.45	1800.11	1800.15	1800.32	1800.36	1800.03	1799.08	1807.66	1814.41	1819.64
50.0	1682.95	1681.57	1680.51	1679.54	1678.46	1677.04	1675.06	1684.68	1692.43	1698.56
50.5	1574.62	1573.22	1572.04	1570.87	1569.53	1567.85	1565.63	1573.47	1579.84	1584.98
51.0	1476.48	1475.25	1474.09	1472.85	1471.38	1469.54	1467.18	1472.73	1477.30	1481.09
51.5	1390.92	1389.27	1387.51	1385.56	1383.34	1380.77	1377.79	1382.23	1385.95	1389.13
52.0	1311.91	1309.99	1307.84	1305.45	1302.78	1299.80	1296.49	1300.30	1303.53	1306.34
52.5	1232.17	1230.79	1229.37	1227.84	1226.10	1224.09	1221.73	1225.39	1228.41	1230.95
53.0	1157.94	1157.22	1156.68	1156.17	1155.56	1154.68	1153.41	1157.01	1159.89	1162.19
53.5	1094.45	1093.91	1093.56	1093.27	1092.89	1092.27	1091.27	1094.36	1096.80	1098.72
54.0	1037.48	1036.99	1036.66	1036.36	1035.96	1035.34	1034.36	1036.89	1038.86	1040.38
54.5	984.44	984.05	983.80	983.57	983.23	982.66	981.75	983.86	985.46	986.65
55.0	935.66	935.35	935.16	934.97	934.66	934.12	933.23	935.01	936.30	937.22
55.5	890.73	890.49	890.32	890.12	889.80	889.24	888.33	889.90	891.01	891.77
56.0	849.23	849.03	848.88	848.67	848.33	847.74	846.83	848.23	849.19	849.81
56.5	810.66	810.50	810.37	810.18	809.86	809.31	808.46	809.64	810.39	810.82
57.0	774.79	774.67	774.57	774.42	774.13	773.62	772.83	773.80	774.37	774.62

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CANDELA TABULATION - (Cont.)

57.5	741.28	741.23	741.18	741.05	740.78	740.28	739.49	740.36	740.82	740.96
58.0	710.02	710.05	710.04	709.93	709.66	709.16	708.36	709.14	709.52	709.57
58.5	680.92	680.97	680.98	680.88	680.61	680.10	679.29	679.92	680.17	680.11
59.0	653.66	653.73	653.74	653.63	653.34	652.82	652.00	652.50	652.63	652.47
59.5	627.94	628.02	628.01	627.87	627.54	626.98	626.12	626.56	626.64	626.43
60.0	603.69	603.77	603.76	603.59	603.23	602.63	601.75	602.13	602.17	601.93
60.5	580.75	580.86	580.85	580.69	580.34	579.74	578.88	579.17	579.13	578.83
61.0	559.06	559.20	559.23	559.10	558.78	558.23	557.40	557.59	557.47	557.10
61.5	538.50	538.71	538.81	538.77	538.52	538.05	537.30	537.39	537.17	536.72
62.0	519.06	519.34	519.51	519.53	519.36	518.96	518.29	518.28	517.98	517.44
62.5	500.75	501.03	501.20	501.22	501.06	500.66	499.99	499.92	499.57	498.99
63.0	483.40	483.67	483.83	483.84	483.66	483.26	482.59	482.47	482.08	481.48
63.5	466.86	467.15	467.32	467.35	467.20	466.83	466.20	466.03	465.61	464.99
64.0	451.09	451.40	451.59	451.64	451.51	451.17	450.57	450.38	449.93	449.30
64.5	436.08	436.37	436.55	436.59	436.45	436.10	435.51	435.29	434.83	434.20
65.0	421.69	421.97	422.13	422.15	422.00	421.64	421.04	420.81	420.34	419.71
65.5	407.78	408.06	408.23	408.25	408.11	407.76	407.18	406.94	406.48	405.85
66.0	394.40	394.68	394.85	394.88	394.74	394.40	393.82	393.58	393.13	392.51
66.5	381.62	381.88	382.02	382.03	381.86	381.49	380.88	380.64	380.19	379.58
67.0	369.21	369.45	369.57	369.54	369.34	368.94	368.30	368.06	367.62	367.02
67.5	356.94	357.16	357.27	357.23	357.02	356.60	355.96	355.74	355.32	354.76
68.0	344.92	345.12	345.22	345.18	344.97	344.57	343.95	343.75	343.36	342.84
68.5	333.17	333.37	333.47	333.45	333.27	332.91	332.34	332.19	331.85	331.38
69.0	321.68	321.90	322.02	322.02	321.88	321.55	321.02	320.91	320.61	320.16
69.5	310.50	310.76	310.92	310.94	310.80	310.47	309.92	309.78	309.44	308.95
70.0	299.53	299.83	300.01	300.05	299.91	299.56	298.98	298.81	298.44	297.92
70.5	288.68	288.95	289.12	289.14	289.00	288.65	288.06	287.94	287.61	287.14
71.0	278.01	278.25	278.39	278.41	278.26	277.91	277.34	277.27	277.01	276.61
71.5	267.56	267.80	267.96	267.99	267.86	267.55	267.01	266.97	266.75	266.37
72.0	257.26	257.52	257.70	257.75	257.65	257.37	256.88	256.87	256.67	256.32
72.5	247.05	247.32	247.50	247.58	247.51	247.27	246.82	246.83	246.65	246.33
73.0	236.97	237.23	237.43	237.52	237.47	237.26	236.84	236.87	236.72	236.43
73.5	227.08	227.33	227.52	227.60	227.54	227.32	226.89	226.97	226.87	226.62
74.0	217.26	217.51	217.68	217.75	217.68	217.45	217.01	217.13	217.07	216.86
74.5	207.39	207.65	207.84	207.92	207.87	207.65	207.22	207.36	207.31	207.12
75.0	197.54	197.82	198.02	198.12	198.08	197.87	197.47	197.62	197.58	197.41
75.5	187.75	188.02	188.21	188.31	188.27	188.07	187.68	187.86	187.85	187.70
76.0	177.96	178.21	178.40	178.50	178.46	178.27	177.89	178.09	178.12	178.00
76.5	168.10	168.35	168.55	168.64	168.62	168.45	168.10	168.34	168.41	168.32
77.0	158.25	158.51	158.70	158.80	158.79	158.63	158.30	158.58	158.68	158.63
77.5	148.51	148.75	148.93	149.02	148.99	148.83	148.50	148.80	148.92	148.90
78.0	138.78	139.01	139.17	139.24	139.20	139.02	138.68	138.99	139.13	139.13
78.5	129.00	129.23	129.37	129.42	129.35	129.14	128.76	129.09	129.25	129.28
79.0	119.21	119.42	119.55	119.58	119.49	119.25	118.85	119.21	119.40	119.45
79.5	109.31	109.52	109.65	109.68	109.60	109.37	108.98	109.40	109.64	109.75
80.0	99.54	99.74	99.87	99.91	99.83	99.62	99.25	99.72	100.01	100.16
80.5	90.15	90.34	90.46	90.48	90.39	90.17	89.78	90.26	90.57	90.73
81.0	80.96	81.13	81.23	81.23	81.13	80.89	80.49	80.97	81.28	81.45
81.5	71.79	71.94	72.02	72.02	71.91	71.67	71.30	71.78	72.09	72.26
82.0	62.82	62.94	63.01	62.99	62.89	62.67	62.32	62.78	63.09	63.26
82.5	54.07	54.17	54.23	54.21	54.12	53.92	53.62	54.03	54.31	54.46
83.0	45.71	45.81	45.86	45.85	45.77	45.60	45.34	45.68	45.91	46.02
83.5	37.90	37.99	38.05	38.05	37.97	37.82	37.57	37.83	37.97	38.01
84.0	30.74	30.86	30.93	30.95	30.89	30.76	30.53	30.67	30.69	30.63
84.5	24.37	24.52	24.64	24.71	24.72	24.66	24.49	24.44	24.28	24.05
85.0	18.96	19.14	19.30	19.42	19.49	19.48	19.38	19.14	18.82	18.43

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CANDELA TABULATION - (Cont.)

85.5	14.96	15.13	15.28	15.39	15.45	15.44	15.34	15.03	14.63	14.18
86.0	11.69	11.84	11.96	12.04	12.08	12.05	11.94	11.62	11.23	10.78
86.5	8.41	8.51	8.60	8.67	8.69	8.67	8.58	8.37	8.09	7.77
87.0	5.77	5.84	5.90	5.94	5.95	5.94	5.88	5.79	5.65	5.48
87.5	4.39	4.42	4.45	4.47	4.48	4.47	4.45	4.41	4.35	4.28
88.0	3.70	3.71	3.72	3.73	3.73	3.73	3.72	3.71	3.70	3.68
88.5	3.41	3.42	3.43	3.44	3.44	3.43	3.42	3.39	3.36	3.33
89.0	3.31	3.33	3.34	3.35	3.34	3.33	3.31	3.27	3.21	3.15
89.5	3.04	3.05	3.06	3.07	3.07	3.06	3.04	3.01	2.97	2.92
90.0	2.73	2.73	2.74	2.74	2.74	2.73	2.72	2.73	2.73	2.72

**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	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36574.35	36574.21	36574.13	36574.38	36574.68	36575.00	36575.31	36575.57	36575.77	36575.46
1.0	36568.08	36567.67	36567.37	36567.72	36568.16	36568.67	36569.18	36569.64	36570.02	36569.60
1.5	36559.52	36558.64	36557.94	36558.18	36558.61	36559.16	36559.78	36560.40	36560.96	36560.79
2.0	36548.27	36546.93	36545.80	36545.85	36546.14	36546.63	36547.23	36547.88	36548.53	36548.58
2.5	36534.40	36532.80	36531.39	36531.26	36531.36	36531.65	36532.05	36532.51	36532.95	36532.75
3.0	36516.59	36514.87	36513.28	36512.96	36512.84	36512.88	36513.01	36513.18	36513.34	36512.83
3.5	36493.49	36491.83	36490.21	36489.66	36489.24	36488.95	36488.74	36488.58	36488.45	36487.87
4.0	36465.37	36463.73	36462.13	36461.46	36460.91	36460.47	36460.12	36459.81	36459.55	36458.95
4.5	36431.55	36429.67	36427.97	36427.62	36427.49	36427.53	36427.67	36427.83	36427.96	36427.23
5.0	36393.54	36391.32	36389.44	36389.42	36389.76	36390.34	36391.03	36391.73	36392.32	36391.48
5.5	36353.35	36350.80	36348.64	36348.59	36348.96	36349.61	36350.41	36351.22	36351.93	36351.16
6.0	36308.78	36305.87	36303.36	36303.14	36303.36	36303.90	36304.63	36305.40	36306.10	36305.45
6.5	36257.66	36254.36	36251.45	36250.95	36250.92	36251.25	36251.81	36252.48	36253.13	36252.55
7.0	36201.80	36198.13	36194.85	36194.07	36193.80	36193.91	36194.30	36194.82	36195.38	36194.83
7.5	36143.07	36139.09	36135.52	36134.69	36134.39	36134.50	36134.88	36135.39	36135.91	36135.09
8.0	36079.09	36074.95	36071.18	36070.28	36069.90	36069.91	36070.19	36070.60	36071.01	36070.05
8.5	36008.13	36004.22	36000.51	35999.16	35998.21	35997.61	35997.27	35997.15	35997.16	35996.73
9.0	35930.10	35926.35	35922.66	35920.95	35919.58	35918.51	35917.73	35917.22	35916.97	35917.05
9.5	35844.19	35839.91	35835.84	35834.46	35833.52	35832.96	35832.72	35832.71	35832.87	35832.68
10.0	35750.89	35746.02	35741.50	35740.52	35740.12	35740.20	35740.61	35741.21	35741.89	35741.37
10.5	35650.77	35645.66	35640.91	35639.88	35639.45	35639.54	35639.98	35640.66	35641.43	35641.13
11.0	35542.85	35537.68	35532.80	35531.64	35531.09	35531.04	35531.38	35531.79	35532.77	35532.78
11.5	35426.45	35421.37	35416.55	35415.42	35414.88	35414.83	35415.17	35415.79	35416.59	35416.74
12.0	35301.27	35296.28	35291.54	35290.50	35290.04	35290.07	35290.48	35291.15	35291.99	35292.19
12.5	35166.47	35161.31	35156.45	35155.57	35155.32	35155.58	35156.22	35157.11	35158.13	35158.15
13.0	35023.03	35017.76	35012.80	35012.10	35012.04	35012.50	35013.34	35014.41	35015.57	35015.42
13.5	34872.92	34867.93	34863.12	34862.41	34862.27	34862.58	34863.24	34864.14	34865.15	34865.11
14.0	34712.39	34707.73	34703.13	34702.56	34702.48	34702.80	34703.44	34704.29	34705.27	34705.37
14.5	34537.59	34532.96	34528.43	34528.54	34529.19	34530.26	34531.62	34533.13	34534.66	34534.73
15.0	34350.81	34346.29	34341.94	34342.86	34344.40	34346.38	34348.63	34350.94	34353.16	34353.24
15.5	34154.18	34150.16	34146.23	34147.53	34149.38	34151.63	34154.11	34156.66	34159.13	34159.70
16.0	33944.33	33941.05	33937.83	33940.10	33942.89	33946.04	33949.34	33952.61	33955.68	33956.28
16.5	33718.50	33716.01	33713.84	33718.56	33723.95	33729.67	33735.37	33740.71	33745.36	33744.63
17.0	33477.07	33475.70	33475.14	33483.69	33493.16	33502.95	33512.45	33521.04	33528.14	33525.13
17.5	33218.81	33219.45	33221.71	33236.86	33253.34	33270.10	33286.07	33300.18	33311.41	33304.50
18.0	32945.91	32948.43	32953.27	32974.25	32996.91	33019.80	33041.48	33060.49	33075.42	33065.41
18.5	32661.38	32664.43	32669.79	32691.43	32714.76	32738.34	32760.71	32780.46	32796.15	32787.09
19.0	32361.51	32364.98	32370.49	32391.56	32414.20	32437.08	32458.86	32478.21	32493.84	32486.68
19.5	32042.08	32046.63	32053.14	32075.59	32099.55	32123.67	32146.59	32166.95	32183.44	32176.57
20.0	31707.66	31713.98	31722.04	31745.68	31770.64	31795.56	31819.12	31839.99	31856.87	31850.30
20.5	31361.23	31370.54	31381.03	31404.63	31429.00	31453.02	31475.51	31495.32	31511.33	31505.97

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CANDELA TABULATION - (Cont.)

21.0	31003.38	31016.19	31029.31	31051.55	31073.79	31095.19	31114.90	31132.08	31145.92	31142.15
21.5	30640.33	30657.61	30673.67	30691.98	30708.97	30724.32	30737.74	30748.92	30757.60	30755.09
22.0	30258.15	30277.97	30295.25	30309.57	30321.54	30331.38	30339.24	30345.35	30349.90	30349.82
22.5	29843.36	29859.09	29872.20	29884.90	29895.77	29905.09	29913.16	29920.26	29926.69	29932.76
23.0	29400.75	29411.71	29420.26	29432.58	29443.87	29454.39	29464.39	29474.13	29483.89	29496.06
23.5	28929.18	28940.05	28948.45	28961.46	28973.52	28984.91	28995.93	29006.84	29017.94	29032.50
24.0	28433.09	28445.39	28455.06	28469.37	28482.64	28495.15	28507.20	28519.08	28531.10	28546.67
24.5	27916.92	27930.59	27941.48	27957.34	27972.05	27985.91	27999.19	28012.20	28025.22	28041.51
25.0	27379.63	27395.00	27407.40	27424.76	27440.82	27455.88	27470.22	27484.15	27497.96	27514.82
25.5	26821.66	26839.13	26853.32	26871.61	26888.33	26903.86	26918.54	26932.76	26946.88	26964.80
26.0	26242.99	26262.37	26278.16	26297.26	26314.55	26330.44	26345.38	26359.80	26374.17	26393.13
26.5	25643.04	25663.37	25679.87	25700.12	25718.43	25735.24	25751.00	25766.15	25781.17	25800.71
27.0	25024.02	25044.96	25061.86	25083.11	25102.33	25119.98	25136.50	25152.34	25167.98	25188.08
27.5	24388.26	24409.84	24427.18	24448.70	24468.10	24485.87	24502.50	24518.49	24534.37	24555.49
28.0	23734.76	23757.01	23774.84	23796.63	23816.17	23834.01	23850.69	23866.74	23882.73	23904.69
28.5	23061.58	23084.84	23103.54	23126.44	23146.98	23165.69	23183.08	23199.69	23216.04	23237.95
29.0	22373.77	22397.95	22417.39	22441.12	22462.33	22481.54	22499.26	22516.03	22532.37	22553.91
29.5	21676.81	21701.49	21721.01	21743.94	21764.05	21781.95	21798.26	21813.61	21828.64	21849.97
30.0	20967.41	20992.28	21011.61	21033.57	21052.43	21068.91	21083.72	21097.57	21111.20	21132.14
30.5	20240.21	20264.95	20284.15	20306.64	20326.03	20342.99	20358.16	20372.22	20385.84	20405.83
31.0	19506.89	19531.18	19549.91	19572.43	19591.86	19608.81	19623.92	19637.80	19651.11	19670.26
31.5	18780.88	18804.31	18821.73	18841.59	18858.08	18871.98	18884.08	18895.18	18906.07	18925.23
32.0	18051.68	18074.01	18089.84	18106.61	18119.72	18130.14	18138.85	18146.82	18155.05	18174.37
32.5	17310.61	17331.67	17346.04	17361.13	17372.48	17381.15	17388.17	17394.59	17401.46	17420.66
33.0	16565.66	16585.44	16598.46	16612.35	16622.51	16630.01	16635.91	16641.27	16647.16	16665.88
33.5	15820.11	15838.75	15850.64	15863.66	15872.96	15879.59	15884.60	15889.03	15893.94	15911.35
34.0	15079.37	15097.06	15108.02	15120.13	15128.52	15134.22	15138.26	15141.67	15145.48	15161.43
34.5	14350.46	14367.68	14378.08	14388.40	14394.88	14398.61	14400.69	14402.21	14404.30	14419.62
35.0	13631.88	13648.44	13658.21	13667.15	13672.19	13674.46	13675.06	13675.12	13675.75	13689.86
35.5	12923.26	12938.20	12946.79	12956.30	12962.18	12965.36	12966.73	12967.24	12967.78	12978.19
36.0	12228.27	12241.25	12248.42	12258.77	12265.86	12270.37	12272.98	12274.36	12275.22	12281.87
36.5	11548.95	11559.79	11565.25	11575.41	11582.67	11587.57	11590.65	11592.48	11593.59	11598.79
37.0	10889.86	10898.97	10902.98	10912.34	10919.02	10923.51	10926.30	10927.88	10928.73	10933.14
37.5	10258.53	10267.43	10271.05	10278.62	10283.32	10285.70	10286.34	10285.81	10284.68	10287.97
38.0	9648.00	9656.91	9660.38	9666.27	9669.08	9669.43	9668.00	9665.43	9662.37	9664.52
38.5	9050.80	9058.79	9061.71	9067.44	9070.29	9070.82	9069.59	9067.16	9064.09	9064.99
39.0	8475.93	8482.76	8484.98	8490.74	8493.92	8494.96	8494.31	8492.42	8489.73	8489.58
39.5	7931.85	7937.55	7938.83	7943.69	7946.11	7946.51	7945.32	7942.97	7939.89	7939.31
40.0	7412.81	7417.44	7417.82	7421.71	7423.27	7422.92	7421.09	7418.21	7414.69	7413.90
40.5	6914.94	6918.78	6918.56	6921.97	6923.19	6922.60	6920.61	6917.59	6913.96	6912.84
41.0	6440.98	6444.15	6443.53	6446.71	6447.87	6447.35	6445.50	6442.66	6439.19	6437.82
41.5	5992.37	5994.82	5993.86	5996.98	5998.32	5998.18	5996.84	5994.58	5991.69	5990.29
42.0	5569.12	5571.13	5570.15	5573.50	5575.33	5575.87	5575.32	5573.88	5571.78	5570.39
42.5	5172.05	5174.48	5174.35	5178.82	5181.99	5183.93	5184.77	5184.60	5183.53	5181.81
43.0	4800.15	4802.97	4803.49	4808.55	4812.42	4815.15	4816.79	4817.38	4816.98	4815.32
43.5	4453.25	4455.30	4454.93	4457.97	4459.81	4460.63	4460.63	4459.97	4458.86	4458.63
44.0	4129.69	4130.94	4129.66	4130.53	4130.17	4128.93	4127.14	4125.12	4123.22	4124.59
44.5	3826.48	3828.01	3827.26	3828.31	3828.27	3827.43	3826.11	3824.60	3823.22	3825.17
45.0	3547.35	3549.32	3549.26	3550.66	3551.07	3550.76	3550.01	3549.08	3548.27	3550.84
45.5	3300.54	3302.38	3302.01	3301.60	3300.10	3297.94	3295.53	3293.32	3291.72	3296.29
46.0	3069.50	3071.25	3070.70	3069.14	3066.45	3063.16	3059.78	3056.85	3054.88	3060.91
46.5	2834.09	2836.33	2836.86	2837.99	2838.32	2838.15	2837.78	2837.52	2837.67	2842.24
47.0	2613.36	2616.15	2617.88	2622.11	2625.91	2629.31	2632.37	2635.14	2637.66	2640.47
47.5	2423.38	2426.36	2428.53	2433.27	2437.71	2441.85	2445.69	2449.24	2452.51	2455.62
48.0	2253.03	2256.00	2258.28	2262.75	2266.99	2271.00	2274.82	2278.46	2281.95	2285.76
48.5	2096.61	2099.20	2101.29	2105.58	2109.76	2113.83	2117.77	2121.59	2125.28	2129.09

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49.0	1953.91	1956.27	1958.22	1962.24	1966.21	1970.12	1973.96	1977.73	1981.42	1985.24
49.5	1823.62	1826.67	1829.11	1832.80	1836.28	1839.60	1842.84	1846.06	1849.34	1853.75
50.0	1703.34	1707.06	1709.99	1713.50	1716.66	1719.58	1722.40	1725.24	1728.22	1733.07
50.5	1589.12	1592.50	1595.38	1599.22	1602.87	1606.39	1609.83	1613.26	1616.72	1621.13
51.0	1484.30	1487.13	1489.82	1494.12	1498.45	1502.78	1507.07	1511.27	1515.36	1519.04
51.5	1391.97	1394.65	1397.37	1402.12	1407.02	1411.96	1416.83	1421.54	1425.98	1429.00
52.0	1308.91	1311.43	1314.07	1318.88	1323.87	1328.93	1333.91	1338.70	1343.16	1345.77
52.5	1233.18	1235.25	1237.33	1240.99	1244.77	1248.63	1252.50	1256.33	1260.05	1263.10
53.0	1164.06	1165.65	1167.13	1169.50	1171.94	1174.46	1177.09	1179.83	1182.73	1186.30
53.5	1100.26	1101.55	1102.75	1104.74	1106.82	1109.00	1111.32	1113.79	1116.44	1119.92
54.0	1041.60	1042.65	1043.65	1045.52	1047.50	1049.60	1051.85	1054.24	1056.79	1059.97
54.5	987.58	988.35	989.12	990.75	992.52	994.42	996.46	998.65	1001.00	1003.85
55.0	937.89	938.44	938.97	940.37	941.91	943.58	945.39	947.35	949.45	951.99
55.5	892.28	892.66	893.02	894.14	895.37	896.73	898.24	899.89	901.70	904.00
56.0	850.19	850.42	850.63	851.46	852.40	853.46	854.65	856.01	857.53	859.63
56.5	811.01	811.08	811.11	811.72	812.43	813.27	814.24	815.38	816.70	818.61
57.0	774.65	774.55	774.42	774.83	775.35	775.99	776.77	777.71	778.84	780.58
57.5	740.88	740.66	740.39	740.62	740.93	741.36	741.93	742.66	743.58	745.13
58.0	709.39	709.07	708.69	708.76	708.90	709.15	709.54	710.08	710.81	712.19
58.5	679.83	679.42	678.95	678.93	678.98	679.14	679.42	679.86	680.47	681.68
59.0	652.10	651.61	651.08	650.99	650.97	651.05	651.26	651.61	652.13	653.19
59.5	626.02	625.48	624.90	624.71	624.59	624.56	624.65	624.88	625.27	626.22
60.0	601.48	600.91	600.28	600.01	599.81	599.69	599.68	599.81	600.10	600.94
60.5	578.34	577.73	577.07	576.79	576.58	576.45	576.42	576.51	576.75	577.46
61.0	556.55	555.89	555.21	554.94	554.73	554.61	554.59	554.67	554.88	555.47
61.5	536.09	535.37	534.63	534.34	534.12	533.99	533.95	534.01	534.19	534.70
62.0	516.75	515.97	515.18	514.87	514.65	514.50	514.46	514.51	514.67	515.13
62.5	498.27	497.47	496.67	496.38	496.17	496.06	496.03	496.10	496.26	496.68
63.0	480.74	479.94	479.15	478.88	478.69	478.60	478.60	478.69	478.86	479.24
63.5	464.25	463.44	462.65	462.39	462.22	462.13	462.13	462.21	462.37	462.70
64.0	448.55	447.75	446.97	446.72	446.55	446.47	446.47	446.55	446.70	446.98
64.5	433.45	432.66	431.89	431.65	431.50	431.43	431.44	431.53	431.68	431.94
65.0	418.97	418.19	417.43	417.22	417.09	417.05	417.09	417.19	417.35	417.58
65.5	405.12	404.36	403.62	403.44	403.35	403.35	403.41	403.54	403.71	403.91
66.0	391.79	391.05	390.33	390.18	390.13	390.16	390.26	390.41	390.59	390.77
66.5	378.88	378.14	377.45	377.32	377.29	377.34	377.45	377.62	377.82	377.98
67.0	366.34	365.63	364.96	364.86	364.85	364.91	365.04	365.22	365.43	365.59
67.5	354.12	353.45	352.83	352.76	352.79	352.88	353.04	353.24	353.46	353.60
68.0	342.24	341.62	341.04	341.00	341.05	341.17	341.34	341.54	341.77	341.88
68.5	330.82	330.23	329.67	329.60	329.61	329.69	329.81	329.98	330.17	330.30
69.0	319.62	319.04	318.48	318.39	318.37	318.41	318.50	318.63	318.79	318.94
69.5	308.37	307.76	307.18	307.12	307.15	307.24	307.37	307.55	307.74	307.84
70.0	297.31	296.67	296.07	296.06	296.14	296.29	296.48	296.70	296.93	296.98
70.5	286.58	285.99	285.43	285.45	285.54	285.70	285.89	286.10	286.31	286.33
71.0	276.11	275.59	275.08	275.11	275.20	275.34	275.51	275.70	275.88	275.88
71.5	265.91	265.41	264.93	264.95	265.03	265.15	265.30	265.47	265.63	265.62
72.0	255.88	255.40	254.94	254.94	255.00	255.10	255.23	255.38	255.52	255.49
72.5	245.91	245.46	245.01	245.01	245.06	245.15	245.26	245.39	245.51	245.46
73.0	236.04	235.60	235.17	235.17	235.21	235.29	235.39	235.49	235.59	235.51
73.5	226.27	225.87	225.46	225.45	225.46	225.51	225.57	225.63	225.69	225.60
74.0	216.55	216.19	215.81	215.78	215.78	215.80	215.84	215.87	215.90	215.79
74.5	206.83	206.49	206.13	206.13	206.16	206.20	206.25	206.30	206.33	206.18
75.0	197.13	196.80	196.46	196.49	196.54	196.61	196.68	196.74	196.78	196.59
75.5	187.44	187.13	186.80	186.82	186.86	186.91	186.96	187.01	187.03	186.86
76.0	177.77	177.47	177.16	177.16	177.17	177.20	177.22	177.24	177.24	177.09
76.5	168.12	167.85	167.56	167.54	167.54	167.54	167.53	167.52	167.49	167.32

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77.0	158.47	158.23	157.95	157.94	157.92	157.90	157.87	157.83	157.78	157.59
77.5	148.77	148.56	148.32	148.31	148.30	148.29	148.26	148.22	148.16	147.98
78.0	139.03	138.86	138.65	138.67	138.68	138.69	138.68	138.66	138.62	138.44
78.5	129.20	129.06	128.88	128.96	129.04	129.11	129.16	129.19	129.18	128.99
79.0	119.40	119.29	119.14	119.27	119.41	119.53	119.63	119.70	119.73	119.55
79.5	109.74	109.67	109.55	109.69	109.82	109.94	110.03	110.10	110.12	109.96
80.0	100.20	100.16	100.07	100.19	100.30	100.39	100.46	100.49	100.50	100.37
80.5	90.78	90.75	90.66	90.76	90.85	90.92	90.96	90.97	90.95	90.80
81.0	81.49	81.46	81.37	81.46	81.53	81.57	81.60	81.59	81.55	81.39
81.5	72.32	72.29	72.21	72.30	72.37	72.42	72.44	72.44	72.42	72.30
82.0	63.32	63.30	63.24	63.33	63.41	63.47	63.51	63.53	63.53	63.46
82.5	54.53	54.52	54.47	54.59	54.69	54.78	54.85	54.90	54.93	54.86
83.0	46.06	46.04	45.99	46.12	46.24	46.35	46.44	46.52	46.56	46.49
83.5	37.98	37.90	37.80	37.90	38.00	38.09	38.17	38.24	38.28	38.21
84.0	30.50	30.33	30.15	30.20	30.25	30.32	30.38	30.43	30.47	30.39
84.5	23.77	23.47	23.18	23.17	23.19	23.24	23.30	23.35	23.40	23.32
85.0	18.02	17.60	17.21	17.14	17.11	17.13	17.16	17.21	17.25	17.16
85.5	13.69	13.21	12.75	12.58	12.46	12.37	12.32	12.27	12.23	12.09
86.0	10.30	9.82	9.36	9.13	8.94	8.79	8.66	8.55	8.44	8.28
86.5	7.42	7.07	6.74	6.60	6.49	6.41	6.35	6.31	6.27	6.19
87.0	5.30	5.12	4.94	4.91	4.90	4.91	4.94	4.98	5.02	5.03
87.5	4.20	4.12	4.04	4.04	4.04	4.06	4.09	4.12	4.16	4.19
88.0	3.65	3.63	3.61	3.60	3.60	3.60	3.60	3.61	3.62	3.64
88.5	3.29	3.25	3.21	3.18	3.17	3.15	3.14	3.14	3.13	3.13
89.0	3.08	3.01	2.94	2.91	2.88	2.85	2.83	2.81	2.80	2.78
89.5	2.87	2.82	2.76	2.74	2.71	2.70	2.68	2.66	2.65	2.63
90.0	2.71	2.70	2.69	2.69	2.68	2.68	2.68	2.68	2.68	2.67

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	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36575.09	36574.70	36574.35	36574.06	36573.89	36574.32	36574.86	36575.48	36576.16	36576.84
1.0	36569.11	36568.60	36568.12	36567.74	36567.52	36568.14	36568.93	36569.84	36570.83	36571.84
1.5	36560.55	36560.27	36560.02	36559.83	36559.74	36560.27	36560.90	36561.62	36562.40	36563.20
2.0	36548.58	36548.55	36548.53	36548.54	36548.59	36548.96	36549.38	36549.85	36550.35	36550.88
2.5	36532.53	36532.29	36532.08	36531.94	36531.91	36532.38	36532.95	36533.60	36534.31	36535.05
3.0	36512.30	36511.79	36511.35	36511.04	36510.88	36511.48	36512.24	36513.13	36514.09	36515.10
3.5	36487.33	36486.84	36486.45	36486.20	36486.11	36486.68	36487.42	36488.28	36489.25	36490.27
4.0	36458.41	36457.94	36457.57	36457.33	36457.27	36457.79	36458.46	36459.27	36460.20	36461.22
4.5	36426.46	36425.70	36425.02	36424.48	36424.15	36424.69	36425.43	36426.36	36427.41	36428.56
5.0	36390.51	36389.48	36388.50	36387.65	36387.02	36387.54	36388.30	36389.26	36390.37	36391.57
5.5	36350.24	36349.24	36348.25	36347.35	36346.63	36346.84	36347.26	36347.88	36348.63	36349.52
6.0	36304.65	36303.79	36302.91	36302.11	36301.43	36301.42	36301.58	36301.91	36302.39	36303.01
6.5	36251.91	36251.23	36250.59	36250.03	36249.63	36249.92	36250.39	36251.02	36251.77	36252.64
7.0	36194.25	36193.68	36193.20	36192.86	36192.71	36193.39	36194.27	36195.31	36196.47	36197.72
7.5	36134.23	36133.39	36132.67	36132.12	36131.84	36132.66	36133.76	36135.08	36136.57	36138.16
8.0	36069.05	36068.08	36067.23	36066.57	36066.21	36067.01	36068.11	36069.47	36071.04	36072.75
8.5	35996.39	35996.14	35996.01	35996.00	35996.15	35996.55	35997.11	35997.84	35998.75	35999.83
9.0	35917.32	35917.73	35918.25	35918.83	35919.44	35919.50	35919.60	35919.79	35920.11	35920.63
9.5	35832.60	35832.60	35832.71	35832.92	35833.24	35833.55	35833.98	35834.58	35835.35	35836.33
10.0	35740.84	35740.36	35739.97	35739.74	35739.72	35740.40	35741.32	35742.49	35743.88	35745.47
10.5	35640.86	35640.63	35640.52	35640.56	35640.81	35641.68	35642.77	35644.09	35645.60	35647.30
11.0	35532.87	35533.05	35533.34	35533.78	35534.38	35535.32	35536.44	35537.74	35539.23	35540.89
11.5	35416.99	35417.32	35417.75	35418.29	35418.96	35419.68	35420.55	35421.62	35422.91	35424.47
12.0	35292.46	35292.81	35293.27	35293.82	35294.50	35295.13	35295.93	35296.96	35298.26	35299.88

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12.5	35158.22	35158.39	35158.70	35159.19	35159.91	35161.20	35162.75	35164.57	35166.66	35169.02
13.0	35015.32	35015.32	35015.52	35015.98	35016.80	35018.83	35021.22	35023.92	35026.88	35030.03
13.5	34865.14	34865.34	34865.75	34866.47	34867.55	34869.85	34872.53	34875.52	34878.77	34882.20
14.0	34705.57	34705.94	34706.55	34707.45	34708.72	34711.13	34713.92	34717.02	34720.41	34724.00
14.5	34534.82	34534.98	34535.34	34535.98	34537.02	34539.38	34542.20	34545.41	34548.98	34552.86
15.0	34353.21	34353.17	34353.27	34353.66	34354.46	34356.89	34359.83	34363.24	34367.09	34371.32
15.5	34160.16	34160.62	34161.20	34162.04	34163.26	34165.84	34168.89	34172.39	34176.32	34180.65
16.0	33956.68	33957.04	33957.54	33958.36	33959.67	33963.22	33967.33	33971.92	33976.89	33982.15
16.5	33743.29	33741.74	33740.40	33739.67	33739.96	33746.20	33753.50	33761.49	33769.80	33778.08
17.0	33520.84	33516.04	33511.49	33508.00	33506.33	33516.34	33528.17	33541.04	33554.18	33566.81
17.5	33295.08	33284.55	33274.29	33265.70	33260.18	33275.42	33293.70	33313.62	33333.77	33352.75
18.0	33051.85	33036.64	33021.70	33008.94	33000.27	33019.96	33043.71	33069.59	33095.66	33120.01
18.5	32774.49	32760.25	32746.26	32734.41	32726.60	32746.95	32771.28	32797.68	32824.20	32848.95
19.0	32476.26	32464.32	32452.62	32442.88	32436.85	32456.80	32480.41	32505.88	32531.43	32555.29
19.5	32166.34	32154.50	32142.86	32133.20	32127.31	32147.98	32172.37	32198.66	32225.03	32249.68
20.0	31840.29	31828.65	31817.20	31807.74	31802.10	31823.37	31848.41	31875.36	31902.41	31927.70
20.5	31497.43	31487.39	31477.57	31469.66	31465.36	31486.49	31511.16	31537.61	31564.11	31588.90
21.0	31135.73	31128.15	31120.89	31115.45	31113.30	31133.91	31157.68	31183.03	31208.35	31232.06
21.5	30750.96	30746.37	30742.48	30740.45	30741.44	30761.64	30784.56	30808.81	30832.94	30855.55
22.0	30349.16	30348.68	30349.15	30351.32	30355.96	30374.89	30395.90	30417.87	30439.64	30460.11
22.5	29938.77	29945.01	29951.78	29959.38	29968.12	29983.20	29999.16	30015.46	30031.54	30046.87
23.0	29508.44	29520.93	29533.43	29545.86	29558.13	29569.60	29580.80	29591.76	29602.47	29612.94
23.5	29047.33	29062.23	29076.98	29091.38	29105.20	29116.20	29126.55	29136.40	29145.89	29155.16
24.0	28562.47	28578.27	28593.88	28609.04	28623.56	28635.18	28646.05	28656.32	28666.10	28675.52
24.5	28057.94	28074.28	28090.35	28105.93	28120.83	28133.04	28144.46	28155.23	28165.44	28175.20
25.0	27531.72	27548.46	27564.88	27580.79	27596.03	27608.91	27621.01	27632.41	27643.19	27653.43
25.5	26982.80	27000.66	27018.18	27035.11	27051.26	27064.61	27077.03	27088.64	27099.54	27109.79
26.0	26412.23	26431.20	26449.81	26467.77	26484.84	26498.63	26511.37	26523.17	26534.12	26544.34
26.5	25820.33	25839.80	25858.85	25877.23	25894.71	25909.18	25922.56	25934.92	25946.31	25956.81
27.0	25208.21	25228.12	25247.56	25266.31	25284.10	25299.05	25312.85	25325.53	25337.13	25347.68
27.5	24576.72	24597.72	24618.21	24637.85	24656.34	24671.13	24684.54	24696.64	24707.51	24717.22
28.0	23926.79	23948.65	23969.90	23990.16	24009.07	24023.33	24035.99	24047.19	24057.04	24065.70
28.5	23259.82	23281.30	23302.04	23321.68	23339.88	23353.29	23365.08	23375.41	23384.45	23392.35
29.0	22575.27	22596.10	22616.09	22634.91	22652.24	22664.75	22675.63	22685.08	22693.29	22700.46
29.5	21871.25	21892.10	21912.14	21931.00	21948.30	21960.25	21970.47	21979.16	21986.54	21992.80
30.0	21153.17	21173.87	21193.79	21212.53	21229.64	21240.96	21250.44	21258.31	21264.79	21270.10
30.5	20425.71	20445.08	20463.59	20480.87	20496.54	20506.79	20515.28	20522.24	20527.90	20532.48
31.0	19689.14	19707.40	19724.69	19740.68	19755.02	19763.91	19771.06	19776.71	19781.13	19784.54
31.5	18944.49	18963.35	18981.29	18997.80	19012.38	19019.66	19024.83	19028.24	19030.21	19031.06
32.0	18194.24	18213.95	18232.80	18250.08	18265.12	18270.54	18273.46	18274.32	18273.56	18271.62
32.5	17440.57	17460.37	17479.26	17496.43	17511.09	17514.29	17514.78	17513.15	17509.98	17505.88
33.0	16685.35	16704.69	16723.06	16739.60	16753.46	16754.59	16752.92	16749.16	16744.04	16738.29
33.5	15929.45	15947.41	15964.41	15979.60	15992.17	15992.16	15989.44	15984.75	15978.82	15972.40
34.0	15178.01	15194.43	15209.90	15223.60	15234.77	15233.61	15229.86	15224.25	15217.54	15210.46
34.5	14435.70	14451.66	14466.61	14479.67	14489.96	14486.28	14479.84	14471.53	14462.23	14452.83
35.0	13704.76	13719.53	13733.29	13745.13	13754.15	13748.71	13740.51	13730.48	13719.57	13708.73
35.5	12988.94	12999.44	13009.07	13017.23	13023.32	13019.59	13013.80	13006.57	12998.53	12990.29
36.0	12288.38	12294.48	12299.87	12304.27	12307.41	12305.82	12302.93	12299.02	12294.35	12289.17
36.5	11603.66	11608.00	11611.63	11614.38	11616.07	11614.43	11611.71	11608.12	11603.83	11599.01
37.0	10937.16	10940.62	10943.37	10945.24	10946.07	10943.71	10940.33	10936.12	10931.27	10925.96
37.5	10291.03	10293.68	10295.73	10296.98	10297.24	10294.07	10289.92	10284.98	10279.45	10273.52
38.0	9666.62	9668.43	9669.76	9670.37	9670.06	9666.20	9661.39	9655.84	9649.73	9643.27
38.5	9065.68	9066.02	9065.88	9065.13	9063.63	9059.79	9055.19	9049.95	9044.17	9037.98
39.0	8489.03	8488.04	8486.56	8484.54	8481.94	8478.17	8473.80	8468.89	8463.48	8457.62
39.5	7938.37	7937.02	7935.19	7932.83	7929.89	7925.58	7920.70	7915.32	7909.51	7903.34
40.0	7412.82	7411.36	7409.44	7406.98	7403.90	7398.92	7393.37	7387.35	7380.98	7374.40

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40.5	6911.41	6909.58	6907.27	6904.41	6900.92	6895.31	6889.15	6882.59	6875.80	6868.93
41.0	6436.08	6433.92	6431.28	6428.07	6424.25	6418.35	6411.94	6405.19	6398.29	6391.41
41.5	5988.50	5986.29	5983.62	5980.45	5976.76	5971.57	5965.95	5960.02	5953.90	5947.73
42.0	5568.55	5566.25	5563.51	5560.33	5556.73	5552.33	5547.57	5542.53	5537.27	5531.86
42.5	5179.38	5176.31	5172.68	5168.56	5164.05	5159.25	5154.20	5148.96	5143.60	5138.20
43.0	4812.84	4809.63	4805.81	4801.50	4796.78	4792.01	4787.02	4781.88	4776.66	4771.44
43.5	4458.11	4457.29	4456.16	4454.70	4452.91	4450.73	4448.19	4445.31	4442.06	4438.45
44.0	4126.25	4128.04	4129.79	4131.36	4132.60	4132.65	4132.17	4131.13	4129.47	4127.17
44.5	3827.35	3829.57	3831.65	3833.40	3834.61	3833.46	3831.68	3829.37	3826.60	3823.48
45.0	3553.55	3556.17	3558.46	3560.17	3561.07	3557.93	3554.03	3549.62	3544.99	3540.40
45.5	3301.45	3306.72	3311.65	3315.78	3318.66	3314.29	3308.71	3302.42	3295.90	3289.66
46.0	3067.83	3075.04	3081.94	3087.94	3092.46	3087.90	3081.88	3074.98	3067.81	3060.99
46.5	2847.18	2852.17	2856.87	2860.95	2864.07	2862.00	2858.98	2855.36	2851.46	2847.62
47.0	2643.05	2645.38	2647.43	2649.16	2650.56	2651.21	2651.52	2651.53	2651.27	2650.76
47.5	2458.45	2461.00	2463.25	2465.19	2466.83	2467.98	2468.83	2469.40	2469.72	2469.78
48.0	2289.39	2292.78	2295.88	2298.62	2300.96	2302.09	2302.84	2303.26	2303.44	2303.45
48.5	2132.75	2136.20	2139.41	2142.32	2144.91	2146.64	2148.04	2149.15	2150.02	2150.69
49.0	1988.95	1992.51	1995.87	1999.00	2001.87	2004.10	2006.04	2007.72	2009.15	2010.34
49.5	1858.19	1862.56	1866.75	1870.67	1874.21	1876.32	1878.02	1879.36	1880.41	1881.23
50.0	1738.06	1743.02	1747.82	1752.31	1756.34	1758.34	1759.84	1760.93	1761.70	1762.26
50.5	1625.55	1629.92	1634.14	1638.14	1641.83	1644.34	1646.51	1648.41	1650.09	1651.60
51.0	1522.59	1526.02	1529.32	1532.52	1535.62	1538.77	1541.81	1544.74	1547.55	1550.21
51.5	1431.74	1434.30	1436.76	1439.20	1441.71	1445.47	1449.28	1453.03	1456.63	1459.97
52.0	1348.07	1350.16	1352.16	1354.20	1356.39	1360.45	1364.61	1368.73	1372.65	1376.21
52.5	1266.04	1268.88	1271.67	1274.42	1277.19	1280.64	1284.05	1287.34	1290.43	1293.25
53.0	1189.98	1193.70	1197.38	1200.96	1204.38	1207.09	1209.58	1211.88	1213.99	1215.93
53.5	1123.53	1127.20	1130.85	1134.40	1137.78	1140.30	1142.59	1144.69	1146.62	1148.41
54.0	1063.26	1066.60	1069.93	1073.19	1076.32	1078.81	1081.12	1083.26	1085.24	1087.08
54.5	1006.83	1009.86	1012.90	1015.90	1018.80	1021.25	1023.55	1025.71	1027.73	1029.60
55.0	954.64	957.36	960.11	962.85	965.53	967.93	970.22	972.39	974.43	976.33
55.5	906.43	908.95	911.52	914.08	916.61	918.89	921.08	923.16	925.12	926.94
56.0	861.88	864.23	866.64	869.06	871.46	873.58	875.62	877.56	879.39	881.10
56.5	820.68	822.85	825.10	827.36	829.59	831.53	833.39	835.16	836.83	838.39
57.0	782.48	784.49	786.56	788.66	790.73	792.49	794.17	795.77	797.28	798.70
57.5	746.85	748.69	750.61	752.56	754.48	756.11	757.67	759.15	760.56	761.88
58.0	713.73	715.41	717.16	718.95	720.74	722.24	723.68	725.07	726.38	727.62
58.5	683.05	684.54	686.11	687.73	689.34	690.70	692.01	693.27	694.48	695.62
59.0	654.40	655.72	657.13	658.57	660.01	661.23	662.40	663.53	664.62	665.65
59.5	627.32	628.53	629.82	631.14	632.46	633.53	634.56	635.55	636.50	637.41
60.0	601.93	603.03	604.20	605.41	606.61	607.53	608.42	609.26	610.08	610.87
60.5	578.30	579.24	580.23	581.27	582.30	583.07	583.82	584.54	585.24	585.93
61.0	556.16	556.94	557.78	558.63	559.49	560.14	560.75	561.36	561.95	562.53
61.5	535.31	535.99	536.72	537.46	538.21	538.72	539.22	539.70	540.17	540.65
62.0	515.67	516.28	516.93	517.59	518.24	518.65	519.04	519.41	519.78	520.16
62.5	497.17	497.72	498.29	498.88	499.45	499.78	500.08	500.37	500.66	500.96
63.0	479.68	480.17	480.69	481.21	481.71	481.98	482.23	482.47	482.70	482.95
63.5	463.09	463.52	463.97	464.43	464.87	465.14	465.38	465.61	465.84	466.08
64.0	447.31	447.68	448.08	448.48	448.88	449.14	449.39	449.63	449.86	450.09
64.5	432.24	432.58	432.93	433.29	433.65	433.87	434.08	434.28	434.47	434.67
65.0	417.86	418.16	418.48	418.80	419.11	419.29	419.47	419.63	419.79	419.96
65.5	404.14	404.39	404.66	404.93	405.20	405.38	405.55	405.72	405.88	406.05
66.0	390.96	391.17	391.39	391.62	391.85	392.03	392.21	392.39	392.57	392.74
66.5	378.17	378.37	378.58	378.79	379.00	379.18	379.35	379.52	379.69	379.86
67.0	365.77	365.96	366.16	366.36	366.57	366.74	366.91	367.08	367.24	367.41
67.5	353.75	353.90	354.07	354.24	354.42	354.61	354.81	355.01	355.21	355.41
68.0	342.01	342.14	342.28	342.42	342.59	342.80	343.03	343.26	343.49	343.72

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68.5	330.45	330.61	330.78	330.96	331.14	331.35	331.56	331.78	331.98	332.18
69.0	319.10	319.28	319.47	319.67	319.87	320.08	320.28	320.47	320.66	320.83
69.5	307.95	308.07	308.20	308.34	308.50	308.73	308.96	309.20	309.43	309.64
70.0	297.02	297.06	297.12	297.19	297.29	297.55	297.83	298.12	298.40	298.65
70.5	286.34	286.34	286.36	286.40	286.48	286.75	287.05	287.35	287.65	287.93
71.0	275.86	275.85	275.85	275.88	275.94	276.21	276.51	276.83	277.14	277.43
71.5	265.59	265.57	265.57	265.59	265.65	265.92	266.22	266.54	266.85	267.13
72.0	255.46	255.44	255.43	255.45	255.51	255.78	256.09	256.41	256.71	257.00
72.5	245.41	245.36	245.33	245.33	245.38	245.68	246.01	246.36	246.70	247.01
73.0	235.43	235.35	235.30	235.29	235.33	235.65	236.01	236.39	236.75	237.09
73.5	225.50	225.42	225.36	225.34	225.37	225.69	226.06	226.43	226.80	227.13
74.0	215.67	215.57	215.50	215.46	215.48	215.80	216.16	216.54	216.90	217.23
74.5	206.02	205.86	205.74	205.66	205.64	205.97	206.35	206.75	207.14	207.49
75.0	196.39	196.20	196.03	195.91	195.86	196.20	196.59	197.01	197.41	197.77
75.5	186.68	186.50	186.35	186.24	186.19	186.51	186.88	187.27	187.64	187.97
76.0	176.93	176.78	176.65	176.56	176.53	176.82	177.16	177.51	177.84	178.14
76.5	167.14	166.98	166.84	166.75	166.71	167.00	167.33	167.67	168.00	168.29
77.0	157.40	157.22	157.07	156.96	156.90	157.18	157.50	157.83	158.16	158.44
77.5	147.79	147.60	147.44	147.32	147.25	147.48	147.76	148.05	148.32	148.56
78.0	138.25	138.06	137.89	137.75	137.66	137.84	138.07	138.31	138.54	138.73
78.5	128.78	128.57	128.36	128.19	128.06	128.22	128.42	128.63	128.84	129.02
79.0	119.32	119.09	118.86	118.66	118.50	118.64	118.82	119.02	119.22	119.39
79.5	109.77	109.57	109.37	109.20	109.06	109.17	109.32	109.49	109.65	109.79
80.0	100.21	100.05	99.88	99.74	99.63	99.73	99.86	100.01	100.14	100.26
80.5	90.63	90.46	90.29	90.14	90.03	90.16	90.33	90.50	90.66	90.80
81.0	81.21	81.03	80.85	80.71	80.60	80.76	80.94	81.14	81.33	81.49
81.5	72.16	72.02	71.89	71.78	71.70	71.82	71.97	72.12	72.27	72.39
82.0	63.37	63.28	63.19	63.11	63.05	63.13	63.23	63.34	63.44	63.52
82.5	54.78	54.69	54.60	54.52	54.46	54.54	54.65	54.76	54.86	54.95
83.0	46.40	46.30	46.20	46.11	46.05	46.14	46.26	46.38	46.50	46.61
83.5	38.12	38.02	37.93	37.84	37.78	37.87	37.98	38.10	38.22	38.32
84.0	30.30	30.21	30.12	30.04	29.98	30.05	30.15	30.26	30.36	30.46
84.5	23.23	23.14	23.05	22.96	22.90	22.96	23.03	23.11	23.20	23.28
85.0	17.06	16.96	16.86	16.77	16.69	16.72	16.76	16.81	16.87	16.92
85.5	11.95	11.81	11.68	11.56	11.45	11.42	11.41	11.41	11.42	11.43
86.0	8.12	7.96	7.82	7.68	7.57	7.50	7.45	7.41	7.38	7.36
86.5	6.11	6.04	5.97	5.91	5.86	5.83	5.80	5.78	5.77	5.76
87.0	5.05	5.07	5.09	5.10	5.12	5.14	5.16	5.17	5.18	5.20
87.5	4.22	4.26	4.29	4.33	4.36	4.40	4.44	4.47	4.50	4.52
88.0	3.67	3.69	3.72	3.75	3.78	3.82	3.86	3.90	3.93	3.96
88.5	3.13	3.14	3.14	3.15	3.16	3.18	3.19	3.21	3.23	3.24
89.0	2.76	2.75	2.73	2.72	2.71	2.70	2.69	2.68	2.67	2.67
89.5	2.62	2.60	2.58	2.57	2.56	2.54	2.53	2.52	2.51	2.50
90.0	2.67	2.67	2.67	2.66	2.66	2.66	2.66	2.65	2.65	2.65

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	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36577.51	36577.94	36578.31	36578.63	36578.86	36579.04	36579.13	36579.03	36578.87	36578.66
1.0	36572.81	36573.49	36574.08	36574.57	36574.96	36575.25	36575.40	36575.21	36574.92	36574.57
1.5	36563.98	36564.65	36565.25	36565.77	36566.20	36566.52	36566.70	36566.38	36565.95	36565.47
2.0	36551.42	36552.00	36552.55	36553.05	36553.48	36553.81	36554.01	36553.65	36553.19	36552.70
2.5	36535.78	36536.39	36536.97	36537.48	36537.92	36538.28	36538.54	36538.44	36538.26	36538.02
3.0	36516.09	36516.80	36517.45	36518.03	36518.54	36518.97	36519.32	36519.52	36519.64	36519.69
3.5	36491.31	36492.21	36493.08	36493.89	36494.64	36495.30	36495.85	36496.13	36496.30	36496.37

CANDELA TABULATION - (Cont.)

4.0	36462.27	36463.34	36464.40	36465.42	36466.38	36467.24	36467.98	36468.29	36468.48	36468.56
4.5	36429.75	36430.79	36431.81	36432.80	36433.73	36434.58	36435.34	36435.76	36436.09	36436.34
5.0	36392.81	36393.78	36394.71	36395.62	36396.48	36397.30	36398.07	36398.64	36399.17	36399.66
5.5	36350.48	36351.36	36352.29	36353.23	36354.18	36355.14	36356.07	36356.91	36357.72	36358.51
6.0	36303.73	36304.58	36305.51	36306.51	36307.55	36308.64	36309.75	36310.77	36311.80	36312.82
6.5	36253.58	36254.46	36255.40	36256.38	36257.37	36258.40	36259.43	36260.38	36261.33	36262.32
7.0	36199.00	36200.04	36201.05	36202.07	36203.08	36204.09	36205.08	36205.92	36206.78	36207.69
7.5	36139.81	36141.17	36142.52	36143.84	36145.15	36146.42	36147.65	36148.62	36149.57	36150.55
8.0	36074.57	36076.24	36077.93	36079.63	36081.29	36082.92	36084.48	36085.64	36086.74	36087.84
8.5	36001.09	36002.82	36004.68	36006.63	36008.60	36010.57	36012.49	36013.80	36015.05	36016.27
9.0	35921.40	35923.15	35925.13	35927.26	35929.48	35931.74	35933.94	35935.42	35936.82	35938.20
9.5	35837.53	35839.46	35841.58	35843.84	35846.15	35848.49	35850.78	35852.41	35853.98	35855.52
10.0	35747.25	35749.36	35751.60	35753.93	35756.30	35758.66	35761.00	35762.81	35764.58	35766.33
10.5	35649.16	35651.28	35653.52	35655.84	35658.22	35660.63	35663.04	35665.08	35667.12	35669.17
11.0	35542.74	35544.93	35547.27	35549.73	35552.27	35554.88	35557.50	35559.81	35562.15	35564.52
11.5	35426.30	35429.01	35431.96	35435.09	35438.34	35441.64	35444.92	35447.55	35450.14	35452.71
12.0	35301.86	35305.04	35308.52	35312.25	35316.10	35320.02	35323.88	35326.92	35329.87	35332.75
12.5	35171.63	35174.72	35178.01	35181.49	35185.10	35188.82	35192.59	35196.24	35199.89	35203.55
13.0	35033.32	35036.26	35039.29	35042.44	35045.72	35049.15	35052.75	35056.98	35061.33	35065.74
13.5	34885.75	34888.86	34892.05	34895.35	34898.78	34902.38	34906.15	34910.70	34915.38	34920.11
14.0	34727.76	34731.26	34734.87	34738.61	34742.48	34746.50	34750.66	34755.42	34760.28	34765.16
14.5	34557.00	34561.29	34565.77	34570.41	34575.16	34580.01	34584.92	34589.95	34594.98	34599.91
15.0	34375.90	34380.93	34386.20	34391.63	34397.17	34402.75	34408.28	34413.54	34418.66	34423.61
15.5	34185.35	34190.75	34196.42	34202.27	34208.20	34214.14	34220.00	34225.29	34230.39	34235.30
16.0	33987.60	33992.75	33997.97	34003.24	34008.54	34013.83	34019.10	34024.38	34029.58	34034.66
16.5	33785.95	33789.75	33792.98	33795.82	33798.49	33801.18	33804.07	33809.28	33814.78	33820.42
17.0	33578.15	33579.77	33579.87	33578.98	33577.66	33576.43	33575.82	33581.28	33587.60	33594.48
17.5	33369.16	33367.29	33362.51	33355.87	33348.43	33341.23	33335.32	33341.34	33349.09	33357.99
18.0	33140.71	33135.76	33126.77	33115.26	33102.76	33090.78	33080.84	33088.88	33099.52	33111.79
18.5	32869.99	32864.42	32854.91	32843.17	32830.87	32819.69	32811.31	32825.58	32842.87	32861.75
19.0	32575.67	32570.39	32561.59	32551.00	32540.33	32531.31	32525.65	32545.75	32569.09	32593.83
19.5	32270.78	32265.74	32257.10	32246.63	32236.05	32227.14	32221.63	32242.32	32266.28	32291.63
20.0	31949.40	31944.91	31936.72	31926.58	31916.21	31907.33	31901.66	31921.26	31944.01	31968.15
20.5	31610.24	31606.57	31599.35	31590.25	31580.90	31572.95	31568.04	31587.26	31609.46	31632.96
21.0	31252.55	31250.14	31244.45	31236.98	31229.24	31222.75	31218.99	31237.13	31257.99	31280.04
21.5	30875.22	30874.53	30870.82	30865.39	30859.57	30854.69	30852.05	30867.57	30885.45	30904.53
22.0	30478.12	30480.01	30479.34	30477.14	30474.41	30472.18	30471.46	30483.66	30497.62	30512.55
22.5	30060.89	30067.48	30072.63	30076.78	30080.34	30083.73	30087.36	30095.83	30104.65	30113.53
23.0	29623.16	29633.94	29644.33	29654.22	29663.47	29671.96	29679.54	29684.85	29689.22	29692.71
23.5	29164.35	29175.84	29187.13	29197.98	29208.15	29217.39	29225.45	29229.73	29232.74	29234.65
24.0	28684.71	28695.77	28706.51	28716.73	28726.21	28734.75	28742.14	28746.22	28749.06	28750.80
24.5	28184.63	28195.55	28206.05	28215.96	28225.08	28233.23	28240.23	28244.31	28247.14	28248.80
25.0	27663.20	27673.95	27684.15	27693.66	27702.31	27709.96	27716.43	27720.39	27723.09	27724.57
25.5	27119.51	27130.33	27140.54	27149.94	27158.37	27165.65	27171.61	27174.56	27176.10	27176.32
26.0	26553.92	26564.69	26574.73	26583.87	26591.90	26598.65	26603.92	26605.72	26605.98	26604.82
26.5	25966.49	25976.62	25985.85	25994.03	26001.01	26006.66	26010.83	26012.04	26011.73	26009.96
27.0	25357.22	25366.57	25374.85	25381.97	25387.81	25392.29	25395.30	25395.89	25394.97	25392.59
27.5	24725.86	24734.51	24742.06	24748.40	24753.42	24757.03	24759.12	24758.58	24756.49	24752.94
28.0	24073.27	24081.43	24088.51	24094.36	24098.87	24101.88	24103.27	24101.39	24097.88	24092.86
28.5	23399.29	23407.62	23414.92	23421.01	23425.65	23428.66	23429.80	23426.47	23421.29	23414.45
29.0	22706.77	22715.14	22722.57	22728.77	22733.46	22736.38	22737.22	22732.53	22725.77	22717.23
29.5	21998.14	22005.55	22011.97	22017.15	22020.83	22022.72	22022.58	22016.97	22009.34	21999.94
30.0	21274.43	21280.75	21286.07	21290.14	21292.70	21293.50	21292.30	21285.81	21277.33	21267.14
30.5	20536.18	20542.33	20547.52	20551.46	20553.83	20554.33	20552.65	20544.72	20534.65	20522.79
31.0	19787.20	19792.87	19797.68	19801.28	19803.31	19803.42	19801.24	19792.07	19780.66	19767.41
31.5	19031.14	19034.45	19037.00	19038.50	19038.64	19037.11	19033.63	19024.27	19012.97	19000.05

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CANDELA TABULATION - (Cont.)

32.0	18268.95	18270.20	18270.87	18270.69	18269.37	18266.64	18262.21	18252.84	18241.73	18229.11
32.5	17501.45	17503.32	17504.99	17506.01	17505.94	17504.33	17500.73	17491.00	17479.03	17465.02
33.0	16732.62	16735.68	16738.89	16741.64	16743.27	16743.16	16740.65	16730.05	16716.68	16700.77
33.5	15966.22	15969.49	15973.00	15976.06	15977.94	15977.94	15975.34	15962.31	15946.49	15928.37
34.0	15203.76	15206.91	15210.41	15213.50	15215.43	15215.44	15212.78	15197.98	15180.49	15161.07
34.5	14444.21	14447.30	14451.21	14455.10	14458.15	14459.53	14458.39	14445.24	14429.40	14411.53
35.0	13698.88	13701.30	13704.82	13708.62	13711.86	13713.72	13713.38	13702.48	13689.02	13673.46
35.5	12982.47	12982.52	12983.05	12983.50	12983.32	12981.95	12978.84	12968.65	12956.43	12942.47
36.0	12283.74	12281.43	12278.87	12275.78	12271.88	12266.90	12260.58	12250.31	12238.55	12225.43
36.5	11593.84	11590.96	11587.67	11583.73	11578.89	11572.92	11565.58	11554.17	11541.34	11527.24
37.0	10920.38	10917.39	10914.03	10910.02	10905.09	10898.95	10891.33	10878.76	10864.71	10849.44
37.5	10267.38	10264.02	10260.35	10256.12	10251.02	10244.79	10237.14	10224.58	10210.60	10195.45
38.0	9636.65	9632.74	9628.60	9623.97	9618.58	9612.18	9604.50	9592.38	9578.96	9564.47
38.5	9031.49	9026.48	9021.12	9015.24	9008.68	9001.26	8992.82	8981.31	8968.78	8955.37
39.0	8451.35	8445.48	8439.15	8432.28	8424.79	8416.58	8407.57	8396.66	8384.94	8372.52
39.5	7896.89	7891.32	7885.41	7879.04	7872.09	7864.43	7855.96	7845.16	7833.53	7821.20
40.0	7367.72	7362.83	7357.78	7352.37	7346.44	7339.78	7332.23	7321.55	7309.95	7297.60
40.5	6862.14	6857.87	6853.62	6849.13	6844.20	6838.57	6832.03	6821.93	6810.86	6799.01
41.0	6384.72	6380.89	6377.18	6373.32	6369.08	6364.19	6358.41	6348.96	6338.54	6327.34
41.5	5941.62	5937.58	5933.54	5929.30	5924.65	5919.42	5913.39	5904.29	5894.38	5883.80
42.0	5526.38	5522.05	5517.58	5512.84	5507.70	5502.03	5495.69	5487.04	5477.73	5467.89
42.5	5132.81	5128.70	5124.55	5120.22	5115.57	5110.49	5104.82	5096.99	5088.56	5079.66
43.0	4766.27	4762.33	4758.40	4754.36	4750.11	4745.51	4740.45	4733.69	4726.43	4718.75
43.5	4434.47	4429.82	4424.84	4419.59	4414.12	4408.48	4402.72	4397.63	4392.38	4386.91
44.0	4124.18	4119.32	4113.89	4108.06	4101.99	4095.83	4089.74	4085.77	4081.86	4077.85
44.5	3820.09	3817.21	3814.12	3810.81	3807.23	3803.37	3799.20	3794.05	3788.64	3783.06
45.0	3536.14	3535.72	3535.60	3535.51	3535.16	3534.28	3532.57	3525.99	3518.68	3511.00
45.5	3284.18	3285.68	3287.95	3290.49	3292.83	3294.47	3294.94	3288.33	3280.51	3271.91
46.0	3055.10	3057.57	3061.01	3064.86	3068.55	3071.52	3073.21	3067.43	3060.20	3051.93
46.5	2844.18	2845.16	2846.58	2848.14	2849.54	2850.50	2850.71	2847.05	2842.54	2837.39
47.0	2650.05	2649.34	2648.46	2647.41	2646.19	2644.81	2643.28	2641.70	2639.95	2638.02
47.5	2469.63	2469.33	2468.84	2468.16	2467.32	2466.32	2465.17	2464.05	2462.77	2461.32
48.0	2303.34	2303.89	2304.36	2304.70	2304.86	2304.80	2304.47	2303.37	2301.99	2300.35
48.5	2151.21	2152.00	2152.65	2153.14	2153.43	2153.51	2153.33	2152.62	2151.66	2150.47
49.0	2011.33	2012.24	2012.96	2013.49	2013.81	2013.92	2013.84	2013.50	2012.96	2012.22
49.5	1881.88	1882.87	1883.73	1884.45	1885.02	1885.41	1885.62	1885.51	1885.20	1884.70
50.0	1762.69	1763.87	1764.99	1766.01	1766.91	1767.64	1768.18	1768.18	1767.97	1767.55
50.5	1653.01	1654.99	1656.87	1658.58	1660.08	1661.31	1662.22	1662.04	1661.56	1660.83
51.0	1552.72	1555.23	1557.52	1559.57	1561.31	1562.72	1563.74	1563.60	1563.11	1562.37
51.5	1462.96	1464.46	1465.58	1466.37	1466.92	1467.29	1467.55	1468.46	1469.28	1469.98
52.0	1379.25	1379.75	1379.73	1379.38	1378.85	1378.32	1377.94	1379.79	1381.80	1383.81
52.5	1295.70	1296.70	1297.36	1297.77	1298.03	1298.23	1298.48	1299.99	1301.53	1303.01
53.0	1217.71	1219.46	1221.07	1222.54	1223.86	1225.05	1226.09	1227.03	1227.81	1228.44
53.5	1150.07	1151.86	1153.55	1155.13	1156.58	1157.89	1159.05	1159.97	1160.73	1161.34
54.0	1088.78	1090.43	1091.97	1093.39	1094.69	1095.88	1096.96	1098.01	1098.94	1099.73
54.5	1031.33	1032.86	1034.26	1035.54	1036.72	1037.81	1038.82	1039.97	1041.04	1041.99
55.0	978.08	979.47	980.72	981.85	982.89	983.87	984.80	986.05	987.24	988.34
55.5	928.63	929.92	931.08	932.13	933.11	934.03	934.92	936.19	937.42	938.58
56.0	882.68	883.89	884.98	885.98	886.91	887.80	888.67	889.93	891.16	892.32
56.5	839.84	840.97	842.01	842.96	843.86	844.73	845.59	846.80	847.98	849.11
57.0	800.01	801.08	802.06	802.98	803.85	804.70	805.54	806.69	807.82	808.90
57.5	763.11	764.11	765.04	765.90	766.73	767.54	768.35	769.45	770.54	771.59
58.0	728.78	729.71	730.58	731.40	732.18	732.95	733.72	734.80	735.86	736.89
58.5	696.69	697.56	698.38	699.16	699.91	700.66	701.42	702.48	703.53	704.56
59.0	666.63	667.45	668.22	668.97	669.70	670.44	671.19	672.24	673.29	674.32
59.5	638.29	639.06	639.80	640.53	641.26	642.00	642.75	643.78	644.82	645.82

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CANDELA TABULATION - (Cont.)

60.0	611.64	612.37	613.08	613.79	614.51	615.24	616.00	617.01	618.03	619.01
60.5	586.60	587.26	587.91	588.58	589.26	589.96	590.70	591.70	592.70	593.69
61.0	563.12	563.70	564.29	564.90	565.54	566.21	566.92	567.91	568.91	569.89
61.5	541.14	541.66	542.21	542.79	543.40	544.05	544.74	545.70	546.68	547.64
62.0	520.55	521.02	521.53	522.07	522.65	523.27	523.95	524.88	525.83	526.77
62.5	501.28	501.69	502.14	502.62	503.16	503.74	504.38	505.29	506.22	507.14
63.0	483.22	483.56	483.94	484.37	484.84	485.37	485.96	486.84	487.75	488.65
63.5	466.32	466.60	466.90	467.24	467.63	468.08	468.58	469.43	470.31	471.18
64.0	450.32	450.54	450.77	451.04	451.35	451.72	452.15	452.96	453.80	454.65
64.5	434.87	435.06	435.27	435.51	435.80	436.14	436.55	437.31	438.11	438.92
65.0	420.13	420.30	420.50	420.72	421.00	421.32	421.71	422.43	423.19	423.95
65.5	406.22	406.36	406.52	406.71	406.94	407.22	407.57	408.25	408.96	409.69
66.0	392.92	393.04	393.17	393.32	393.52	393.76	394.06	394.69	395.36	396.04
66.5	380.03	380.15	380.29	380.45	380.64	380.87	381.15	381.71	382.31	382.90
67.0	367.58	367.72	367.86	368.02	368.21	368.43	368.70	369.19	369.71	370.23
67.5	355.60	355.72	355.84	355.97	356.12	356.30	356.53	357.00	357.50	358.00
68.0	343.93	344.02	344.10	344.19	344.30	344.45	344.63	345.10	345.60	346.10
68.5	332.36	332.44	332.51	332.59	332.69	332.82	333.00	333.44	333.91	334.39
69.0	320.99	321.05	321.10	321.16	321.24	321.36	321.51	321.94	322.39	322.85
69.5	309.83	309.84	309.83	309.82	309.83	309.88	309.97	310.40	310.86	311.34
70.0	298.88	298.84	298.77	298.70	298.64	298.62	298.66	299.09	299.56	300.06
70.5	288.17	288.12	288.04	287.95	287.88	287.84	287.86	288.29	288.76	289.26
71.0	277.67	277.63	277.54	277.45	277.37	277.32	277.34	277.76	278.23	278.71
71.5	267.37	267.32	267.22	267.12	267.02	266.97	266.96	267.36	267.81	268.28
72.0	257.24	257.17	257.06	256.93	256.82	256.74	256.72	257.10	257.53	257.98
72.5	247.26	247.17	247.03	246.87	246.72	246.60	246.55	246.92	247.36	247.81
73.0	237.36	237.24	237.06	236.86	236.67	236.52	236.43	236.81	237.25	237.72
73.5	227.40	227.25	227.05	226.82	226.60	226.42	226.32	226.70	227.15	227.64
74.0	217.49	217.32	217.08	216.83	216.58	216.38	216.25	216.64	217.10	217.59
74.5	207.76	207.56	207.28	206.99	206.69	206.45	206.28	206.66	207.12	207.62
75.0	198.06	197.83	197.52	197.18	196.85	196.57	196.37	196.73	197.18	197.67
75.5	188.23	187.99	187.68	187.34	187.01	186.72	186.51	186.83	187.22	187.67
76.0	178.36	178.12	177.82	177.49	177.16	176.88	176.66	176.93	177.28	177.67
76.5	168.51	168.26	167.94	167.60	167.26	166.96	166.74	167.01	167.35	167.75
77.0	158.65	158.39	158.06	157.71	157.36	157.05	156.83	157.10	157.45	157.86
77.5	148.74	148.48	148.16	147.82	147.49	147.20	146.98	147.23	147.55	147.92
78.0	138.87	138.62	138.32	138.00	137.69	137.42	137.22	137.43	137.71	138.04
78.5	129.15	128.92	128.65	128.35	128.06	127.80	127.60	127.78	128.01	128.30
79.0	119.51	119.30	119.04	118.77	118.49	118.25	118.06	118.20	118.39	118.63
79.5	109.88	109.68	109.44	109.19	108.93	108.71	108.53	108.63	108.79	108.99
80.0	100.33	100.14	99.91	99.66	99.41	99.19	99.02	99.10	99.24	99.41
80.5	90.90	90.68	90.42	90.15	89.87	89.63	89.43	89.52	89.66	89.85
81.0	81.60	81.38	81.11	80.81	80.52	80.26	80.04	80.14	80.29	80.48
81.5	72.47	72.29	72.07	71.84	71.60	71.38	71.21	71.27	71.38	71.52
82.0	63.58	63.45	63.29	63.12	62.95	62.79	62.66	62.70	62.77	62.86
82.5	55.02	54.91	54.78	54.63	54.49	54.36	54.25	54.29	54.36	54.45
83.0	46.69	46.60	46.48	46.35	46.22	46.10	46.00	46.07	46.17	46.28
83.5	38.40	38.31	38.20	38.08	37.96	37.86	37.79	37.90	38.04	38.20
84.0	30.53	30.44	30.34	30.23	30.12	30.04	29.98	30.13	30.31	30.50
84.5	23.34	23.26	23.18	23.09	23.00	22.94	22.90	23.04	23.21	23.39
85.0	16.96	16.90	16.83	16.76	16.70	16.66	16.64	16.76	16.90	17.06
85.5	11.44	11.38	11.32	11.27	11.23	11.21	11.21	11.32	11.45	11.58
86.0	7.34	7.29	7.25	7.21	7.19	7.18	7.20	7.28	7.38	7.50
86.5	5.75	5.73	5.70	5.69	5.68	5.67	5.68	5.71	5.76	5.81
87.0	5.20	5.20	5.20	5.20	5.19	5.18	5.17	5.16	5.16	5.15
87.5	4.54	4.54	4.53	4.52	4.50	4.48	4.46	4.43	4.41	4.38

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88.0	3.98	3.97	3.96	3.94	3.91	3.88	3.85	3.83	3.80	3.77
88.5	3.25	3.24	3.24	3.23	3.22	3.20	3.19	3.18	3.17	3.16
89.0	2.67	2.67	2.67	2.67	2.68	2.69	2.69	2.70	2.70	2.71
89.5	2.50	2.50	2.51	2.51	2.52	2.53	2.54	2.55	2.56	2.56
90.0	2.65	2.66	2.66	2.67	2.67	2.68	2.68	2.68	2.68	2.68

Vert. Horizontal Angles
Angles

	175.0	177.5	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5
0.0	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36578.42	36578.16	36577.91	36578.16	36578.42	36578.66	36578.87	36579.03	36579.13	36579.04
1.0	36574.16	36573.73	36573.34	36573.73	36574.16	36574.57	36574.92	36575.21	36575.40	36575.25
1.5	36564.96	36564.47	36564.06	36564.47	36564.96	36565.47	36565.95	36566.38	36566.70	36566.52
2.0	36552.19	36551.74	36551.39	36551.74	36552.19	36552.70	36553.19	36553.65	36554.01	36553.81
2.5	36537.74	36537.45	36537.17	36537.45	36537.74	36538.02	36538.26	36538.44	36538.54	36538.28
3.0	36519.65	36519.52	36519.33	36519.52	36519.65	36519.69	36519.64	36519.52	36519.32	36518.97
3.5	36496.34	36496.23	36496.05	36496.23	36496.34	36496.37	36496.30	36496.13	36495.85	36495.30
4.0	36468.55	36468.48	36468.38	36468.48	36468.55	36468.56	36468.48	36468.29	36467.98	36467.24
4.5	36436.54	36436.70	36436.85	36436.70	36436.54	36436.34	36436.09	36435.76	36435.34	36434.58
5.0	36400.13	36400.59	36401.05	36400.59	36400.13	36399.66	36399.17	36398.64	36398.07	36397.30
5.5	36359.28	36360.04	36360.78	36360.04	36359.28	36358.51	36357.72	36356.91	36356.07	36355.14
6.0	36313.84	36314.83	36315.83	36314.83	36313.84	36312.82	36311.80	36310.77	36309.75	36308.64
6.5	36263.34	36264.41	36265.54	36264.41	36263.34	36262.32	36261.33	36260.38	36259.43	36258.40
7.0	36208.67	36209.74	36210.95	36209.74	36208.67	36207.69	36206.78	36205.92	36205.08	36204.09
7.5	36151.56	36152.65	36153.86	36152.65	36151.56	36150.55	36149.57	36148.62	36147.65	36146.42
8.0	36088.93	36090.07	36091.29	36090.07	36088.93	36087.84	36086.74	36085.64	36084.48	36082.92
8.5	36017.48	36018.74	36020.09	36018.74	36017.48	36016.27	36015.05	36013.80	36012.49	36010.57
9.0	35939.57	35940.98	35942.49	35940.98	35939.57	35938.20	35936.82	35935.42	35933.94	35931.74
9.5	35857.05	35858.62	35860.27	35858.62	35857.05	35855.52	35853.98	35852.41	35850.78	35848.49
10.0	35768.07	35769.84	35771.69	35769.84	35768.07	35766.33	35764.58	35762.81	35761.00	35758.66
10.5	35671.25	35673.39	35675.63	35673.39	35671.25	35669.17	35667.12	35665.08	35663.04	35660.63
11.0	35566.95	35569.46	35572.07	35569.46	35566.95	35564.52	35562.15	35559.81	35557.50	35554.88
11.5	35455.30	35457.92	35460.63	35457.92	35455.30	35452.71	35450.14	35447.55	35444.92	35441.64
12.0	35335.60	35338.44	35341.31	35338.44	35335.60	35332.75	35329.87	35326.92	35323.88	35320.02
12.5	35207.18	35210.77	35214.32	35210.77	35207.18	35203.55	35199.89	35196.24	35192.59	35188.82
13.0	35070.16	35074.51	35078.74	35074.51	35070.16	35065.74	35061.33	35056.98	35052.75	35049.15
13.5	34924.84	34929.48	34933.98	34929.48	34924.84	34920.11	34915.38	34910.70	34906.15	34902.38
14.0	34770.00	34774.71	34779.26	34774.71	34770.00	34765.16	34760.28	34755.42	34750.66	34746.50
14.5	34604.71	34609.34	34613.73	34609.34	34604.71	34599.91	34594.98	34589.95	34584.92	34580.01
15.0	34428.36	34432.86	34437.09	34432.86	34428.36	34423.61	34418.66	34413.54	34408.28	34402.75
15.5	34239.98	34244.42	34248.62	34244.42	34239.98	34235.30	34230.39	34225.29	34220.00	34214.14
16.0	34039.56	34044.27	34048.75	34044.27	34039.56	34034.66	34029.58	34024.38	34019.10	34013.83
16.5	33826.09	33831.63	33836.95	33831.63	33826.09	33820.42	33814.78	33809.28	33804.07	33801.18
17.0	33601.59	33608.65	33615.36	33608.65	33601.59	33594.48	33587.60	33581.28	33575.82	33576.43
17.5	33367.45	33376.86	33385.63	33376.86	33367.45	33357.99	33349.09	33341.34	33335.32	33341.23
18.0	33124.73	33137.37	33148.77	33137.37	33124.73	33111.79	33099.52	33088.88	33080.84	33090.78
18.5	32880.77	32898.51	32913.53	32898.51	32880.77	32861.75	32842.87	32825.58	32811.31	32819.69
19.0	32618.15	32640.23	32658.24	32640.23	32618.15	32593.83	32569.09	32545.75	32525.65	32531.31
19.5	32316.51	32339.05	32357.42	32339.05	32316.51	32291.63	32266.28	32242.32	32221.63	32227.14
20.0	31991.91	32013.53	32031.26	32013.53	31991.91	31968.15	31944.01	31921.26	31901.66	31907.33
20.5	31656.06	31677.09	31694.37	31677.09	31656.06	31632.96	31609.46	31587.26	31568.04	31572.95
21.0	31301.73	31321.57	31338.03	31321.57	31301.73	31280.04	31257.99	31237.13	31218.99	31222.75
21.5	30923.60	30941.48	30957.02	30941.48	30923.60	30904.53	30885.45	30867.57	30852.05	30854.69
22.0	30527.70	30542.29	30555.55	30542.29	30527.70	30512.55	30497.62	30483.66	30471.46	30472.18
22.5	30122.17	30130.25	30137.50	30130.25	30122.17	30113.53	30104.65	30095.83	30087.36	30083.73
23.0	29695.40	29697.38	29698.74	29697.38	29695.40	29692.71	29689.22	29684.85	29679.54	29671.96

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23.5	29235.63	29235.81	29235.38	29235.81	29235.63	29234.65	29232.74	29229.73	29225.45	29217.39
24.0	28751.55	28751.43	28750.59	28751.43	28751.55	28750.80	28749.06	28746.22	28742.14	28734.75
24.5	28249.39	28248.99	28247.69	28248.99	28249.39	28248.80	28247.14	28244.31	28240.23	28233.23
25.0	27724.90	27724.11	27722.27	27724.11	27724.90	27724.57	27723.09	27720.39	27716.43	27709.96
25.5	27175.31	27173.14	27169.91	27173.14	27175.31	27176.32	27176.10	27174.56	27171.61	27165.65
26.0	26602.36	26598.70	26593.99	26598.70	26602.36	26604.82	26605.98	26605.72	26603.92	26598.65
26.5	26006.81	26002.38	25996.74	26002.38	26006.81	26009.96	26011.73	26012.04	26010.83	26006.66
27.0	25388.79	25383.62	25377.14	25383.62	25388.79	25392.59	25394.97	25395.89	25395.30	25392.29
27.5	24747.98	24741.70	24734.17	24741.70	24747.98	24752.94	24756.49	24758.58	24759.12	24757.03
28.0	24086.46	24078.80	24070.00	24078.80	24086.46	24092.86	24097.88	24101.39	24103.27	24101.88
28.5	23406.15	23396.61	23386.02	23396.61	23406.15	23414.45	23421.29	23426.47	23429.80	23428.66
29.0	22707.17	22695.87	22683.59	22695.87	22707.17	22717.23	22725.77	22732.53	22737.22	22736.38
29.5	21989.05	21976.94	21963.88	21976.94	21989.05	21999.94	22009.34	22016.97	22022.58	22022.72
30.0	21255.49	21242.66	21228.93	21242.66	21255.49	21267.14	21277.33	21285.81	21292.30	21293.50
30.5	20509.47	20495.04	20479.84	20495.04	20509.47	20522.79	20534.65	20544.72	20552.65	20554.33
31.0	19752.72	19736.97	19720.57	19736.97	19752.72	19767.41	19780.66	19792.07	19801.24	19803.42
31.5	18985.82	18970.62	18954.75	18970.62	18985.82	19000.05	19012.97	19024.27	19033.63	19037.11
32.0	18215.19	18200.23	18184.43	18200.23	18215.19	18229.11	18241.73	18252.84	18262.21	18266.64
32.5	17449.16	17431.63	17412.64	17431.63	17449.16	17465.02	17479.03	17491.00	17500.73	17504.33
33.0	16682.55	16662.27	16640.16	16662.27	16682.55	16700.77	16716.68	16730.05	16740.65	16743.16
33.5	15908.47	15887.28	15865.31	15887.28	15908.47	15928.37	15946.49	15962.31	15975.34	15977.94
34.0	15140.44	15119.34	15098.53	15119.34	15140.44	15161.07	15180.49	15197.98	15212.78	15215.44
34.5	14392.29	14372.31	14352.27	14372.31	14392.29	14411.53	14429.40	14445.24	14458.39	14459.53
35.0	13656.25	13637.87	13618.76	13637.87	13656.25	13673.46	13689.02	13702.48	13713.38	13713.72
35.5	12927.01	12910.34	12892.71	12910.34	12927.01	12942.47	12956.43	12968.65	12978.84	12981.95
36.0	12211.06	12195.58	12179.12	12195.58	12211.06	12225.43	12238.55	12250.31	12260.58	12266.90
36.5	11512.07	11496.00	11479.21	11496.00	11512.07	11527.24	11541.34	11554.17	11565.58	11572.92
37.0	10833.22	10816.31	10798.99	10816.31	10833.22	10849.44	10864.71	10878.76	10891.33	10898.95
37.5	10179.42	10162.76	10145.75	10162.76	10179.42	10195.45	10210.60	10224.58	10237.14	10244.79
38.0	9549.14	9533.20	9516.89	9533.20	9549.14	9564.47	9578.96	9592.38	9604.50	9612.18
38.5	8941.22	8926.51	8911.38	8926.51	8941.22	8955.37	8968.78	8981.31	8992.82	9001.26
39.0	8359.47	8345.89	8331.86	8345.89	8359.47	8372.52	8384.94	8396.66	8407.57	8416.58
39.5	7808.29	7794.90	7781.16	7794.90	7808.29	7821.20	7833.53	7845.16	7855.96	7864.43
40.0	7284.67	7271.32	7257.72	7271.32	7284.67	7297.60	7309.95	7321.55	7332.23	7339.78
40.5	6786.55	6773.67	6760.54	6773.67	6786.55	6799.01	6810.86	6821.93	6832.03	6838.57
41.0	6315.54	6303.32	6290.85	6303.32	6315.54	6327.34	6338.54	6348.96	6358.41	6364.19
41.5	5872.71	5861.28	5849.66	5861.28	5872.71	5883.80	5894.38	5904.29	5913.39	5919.42
42.0	5457.65	5447.15	5436.52	5447.15	5457.65	5467.89	5477.73	5487.04	5495.69	5502.03
42.5	5070.39	5060.88	5051.25	5060.88	5070.39	5079.66	5088.56	5096.99	5104.82	5110.49
43.0	4710.73	4702.44	4693.97	4702.44	4710.73	4718.75	4726.43	4733.69	4740.45	4745.51
43.5	4381.11	4374.92	4368.25	4374.92	4381.11	4386.91	4392.38	4397.63	4402.72	4408.48
44.0	4073.58	4068.87	4063.58	4068.87	4073.58	4077.85	4081.86	4085.77	4089.74	4095.83
44.5	3777.39	3771.71	3766.10	3771.71	3777.39	3783.06	3788.64	3794.05	3799.20	3803.37
45.0	3503.31	3495.98	3489.36	3495.98	3503.31	3511.00	3518.68	3525.99	3532.57	3534.28
45.5	3262.97	3254.15	3245.87	3254.15	3262.97	3271.91	3280.51	3288.33	3294.94	3294.47
46.0	3043.03	3033.88	3024.90	3033.88	3043.03	3051.93	3060.20	3067.43	3073.21	3071.52
46.5	2831.77	2825.88	2819.91	2825.88	2831.77	2837.39	2842.54	2847.05	2850.71	2850.50
47.0	2635.87	2633.51	2630.90	2633.51	2635.87	2638.02	2639.95	2641.70	2643.28	2644.81
47.5	2459.68	2457.84	2455.78	2457.84	2459.68	2461.32	2462.77	2464.05	2465.17	2466.32
48.0	2298.49	2296.44	2294.23	2296.44	2298.49	2300.35	2301.99	2303.37	2304.47	2304.80
48.5	2149.07	2147.47	2145.71	2147.47	2149.07	2150.47	2151.66	2152.62	2153.33	2153.51
49.0	2011.28	2010.15	2008.83	2010.15	2011.28	2012.22	2012.96	2013.50	2013.84	2013.92
49.5	1884.01	1883.14	1882.09	1883.14	1884.01	1884.70	1885.20	1885.51	1885.62	1885.41
50.0	1766.96	1766.20	1765.30	1766.20	1766.96	1767.55	1767.97	1768.18	1768.18	1767.64
50.5	1659.93	1658.92	1657.87	1658.92	1659.93	1660.83	1661.56	1662.04	1662.22	1661.31
51.0	1561.46	1560.46	1559.46	1560.46	1561.46	1562.37	1563.11	1563.60	1563.74	1562.72

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CANDELA TABULATION - (Cont.)

51.5	1470.50	1470.82	1470.88	1470.82	1470.50	1469.98	1469.28	1468.46	1467.55	1467.29
52.0	1385.64	1387.15	1388.16	1387.15	1385.64	1383.81	1381.80	1379.79	1377.94	1378.32
52.5	1304.32	1305.36	1306.03	1305.36	1304.32	1303.01	1301.53	1299.99	1298.48	1298.23
53.0	1228.90	1229.19	1229.30	1229.19	1228.90	1228.44	1227.81	1227.03	1226.09	1225.05
53.5	1161.78	1162.08	1162.22	1162.08	1161.78	1161.34	1160.73	1159.97	1159.05	1157.89
54.0	1100.38	1100.87	1101.19	1100.87	1100.38	1099.73	1098.94	1098.01	1096.96	1095.88
54.5	1042.81	1043.47	1043.95	1043.47	1042.81	1041.99	1041.04	1039.97	1038.82	1037.81
55.0	989.32	990.14	990.77	990.14	989.32	988.34	987.24	986.05	984.80	983.87
55.5	939.62	940.51	941.21	940.51	939.62	938.58	937.42	936.19	934.92	934.03
56.0	893.38	894.29	895.02	894.29	893.38	892.32	891.16	889.93	888.67	887.80
56.5	850.15	851.06	851.80	851.06	850.15	849.11	847.98	846.80	845.59	844.73
57.0	809.90	810.79	811.54	810.79	809.90	808.90	807.82	806.69	805.54	804.70
57.5	772.57	773.44	774.18	773.44	772.57	771.59	770.54	769.45	768.35	767.54
58.0	737.85	738.71	739.44	738.71	737.85	736.89	735.86	734.80	733.72	732.95
58.5	705.52	706.39	707.14	706.39	705.52	704.56	703.53	702.48	701.42	700.66
59.0	675.28	676.16	676.92	676.16	675.28	674.32	673.29	672.24	671.19	670.44
59.5	646.77	647.64	648.38	647.64	646.77	645.82	644.82	643.78	642.75	642.00
60.0	619.94	620.79	621.52	620.79	619.94	619.01	618.03	617.01	616.00	615.24
60.5	594.62	595.47	596.20	595.47	594.62	593.69	592.70	591.70	590.70	589.96
61.0	570.82	571.67	572.41	571.67	570.82	569.89	568.91	567.91	566.92	566.21
61.5	548.56	549.40	550.12	549.40	548.56	547.64	546.68	545.70	544.74	544.05
62.0	527.67	528.49	529.19	528.49	527.67	526.77	525.83	524.88	523.95	523.27
62.5	508.02	508.82	509.50	508.82	508.02	507.14	506.22	505.29	504.38	503.74
63.0	489.50	490.28	490.95	490.28	489.50	488.65	487.75	486.84	485.96	485.37
63.5	472.02	472.79	473.44	472.79	472.02	471.18	470.31	469.43	468.58	468.08
64.0	455.46	456.20	456.83	456.20	455.46	454.65	453.80	452.96	452.15	451.72
64.5	439.69	440.38	440.97	440.38	439.69	438.92	438.11	437.31	436.55	436.14
65.0	424.67	425.32	425.87	425.32	424.67	423.95	423.19	422.43	421.71	421.32
65.5	410.38	411.00	411.52	411.00	410.38	409.69	408.96	408.25	407.57	407.22
66.0	396.69	397.27	397.76	397.27	396.69	396.04	395.36	394.69	394.06	393.76
66.5	383.47	383.98	384.41	383.98	383.47	382.90	382.31	381.71	381.15	380.87
67.0	370.73	371.18	371.55	371.18	370.73	370.23	369.71	369.19	368.70	368.43
67.5	358.49	358.92	359.28	358.92	358.49	358.00	357.50	357.00	356.53	356.30
68.0	346.58	347.01	347.37	347.01	346.58	346.10	345.60	345.10	344.63	344.45
68.5	334.85	335.27	335.61	335.27	334.85	334.39	333.91	333.44	333.00	332.82
69.0	323.30	323.70	324.04	323.70	323.30	322.85	322.39	321.94	321.51	321.36
69.5	311.80	312.22	312.56	312.22	311.80	311.34	310.86	310.40	309.97	309.88
70.0	300.54	300.97	301.33	300.97	300.54	300.06	299.56	299.09	298.66	298.62
70.5	289.73	290.17	290.52	290.17	289.73	289.26	288.76	288.29	287.86	287.84
71.0	279.18	279.60	279.95	279.60	279.18	278.71	278.23	277.76	277.34	277.32
71.5	268.73	269.14	269.47	269.14	268.73	268.28	267.81	267.36	266.96	266.97
72.0	258.42	258.81	259.14	258.81	258.42	257.98	257.53	257.10	256.72	256.74
72.5	248.26	248.66	248.99	248.66	248.26	247.81	247.36	246.92	246.55	246.60
73.0	238.18	238.60	238.94	238.60	238.18	237.72	237.25	236.81	236.43	236.52
73.5	228.11	228.55	228.91	228.55	228.11	227.64	227.15	226.70	226.32	226.42
74.0	218.08	218.54	218.92	218.54	218.08	217.59	217.10	216.64	216.25	216.38
74.5	208.13	208.60	209.00	208.60	208.13	207.62	207.12	206.66	206.28	206.45
75.0	198.17	198.65	199.05	198.65	198.17	197.67	197.18	196.73	196.37	196.57
75.5	188.12	188.56	188.94	188.56	188.12	187.67	187.22	186.83	186.51	186.72
76.0	178.09	178.49	178.85	178.49	178.09	177.67	177.28	176.93	176.66	176.88
76.5	168.17	168.57	168.94	168.57	168.17	167.75	167.35	167.01	166.74	166.96
77.0	158.28	158.69	159.06	158.69	158.28	157.86	157.45	157.10	156.83	157.05
77.5	148.32	148.70	149.05	148.70	148.32	147.92	147.55	147.23	146.98	147.20
78.0	138.39	138.74	139.06	138.74	138.39	138.04	137.71	137.43	137.22	137.42
78.5	128.60	128.91	129.20	128.91	128.60	128.30	128.01	127.78	127.60	127.80
79.0	118.89	119.15	119.40	119.15	118.89	118.63	118.39	118.20	118.06	118.25

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CANDELA TABULATION - (Cont.)

79.5	109.21	109.44	109.66	109.44	109.21	108.99	108.79	108.63	108.53	108.71
80.0	99.60	99.81	100.01	99.81	99.60	99.41	99.24	99.10	99.02	99.19
80.5	90.05	90.27	90.48	90.27	90.05	89.85	89.66	89.52	89.43	89.63
81.0	80.70	80.92	81.12	80.92	80.70	80.48	80.29	80.14	80.04	80.26
81.5	71.68	71.85	72.01	71.85	71.68	71.52	71.38	71.27	71.21	71.38
82.0	62.96	63.07	63.17	63.07	62.96	62.86	62.77	62.70	62.66	62.79
82.5	54.55	54.65	54.74	54.65	54.55	54.45	54.36	54.29	54.25	54.36
83.0	46.40	46.50	46.60	46.50	46.40	46.28	46.17	46.07	46.00	46.10
83.5	38.35	38.50	38.62	38.50	38.35	38.20	38.04	37.90	37.79	37.86
84.0	30.69	30.87	31.01	30.87	30.69	30.50	30.31	30.13	29.98	30.04
84.5	23.56	23.72	23.85	23.72	23.56	23.39	23.21	23.04	22.90	22.94
85.0	17.20	17.33	17.44	17.33	17.20	17.06	16.90	16.76	16.64	16.66
85.5	11.73	11.86	11.99	11.86	11.73	11.58	11.45	11.32	11.21	11.21
86.0	7.63	7.76	7.89	7.76	7.63	7.50	7.38	7.28	7.20	7.18
86.5	5.87	5.93	5.99	5.93	5.87	5.81	5.76	5.71	5.68	5.67
87.0	5.14	5.13	5.12	5.13	5.14	5.15	5.16	5.16	5.17	5.18
87.5	4.35	4.33	4.30	4.33	4.35	4.38	4.41	4.43	4.46	4.48
88.0	3.75	3.73	3.71	3.73	3.75	3.77	3.80	3.83	3.85	3.88
88.5	3.15	3.14	3.14	3.14	3.15	3.16	3.17	3.18	3.19	3.20
89.0	2.71	2.72	2.73	2.72	2.71	2.71	2.70	2.70	2.69	2.69
89.5	2.57	2.58	2.59	2.58	2.57	2.56	2.56	2.55	2.54	2.53
90.0	2.68	2.68	2.67	2.68	2.68	2.68	2.68	2.68	2.68	2.68

**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	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36578.86	36578.63	36578.31	36577.94	36577.51	36576.84	36576.16	36575.48	36574.86	36574.32
1.0	36574.96	36574.57	36574.08	36573.49	36572.81	36571.84	36570.83	36569.84	36568.93	36568.14
1.5	36566.20	36565.77	36565.25	36564.65	36563.98	36563.20	36562.40	36561.62	36560.90	36560.27
2.0	36553.48	36553.05	36552.55	36552.00	36551.42	36550.88	36550.35	36549.85	36549.38	36548.96
2.5	36537.92	36537.48	36536.97	36536.39	36535.78	36535.05	36534.31	36533.60	36532.95	36532.38
3.0	36518.54	36518.03	36517.45	36516.80	36516.09	36515.10	36514.09	36513.13	36512.24	36511.48
3.5	36494.64	36493.89	36493.08	36492.21	36491.31	36490.27	36489.25	36488.28	36487.42	36486.68
4.0	36466.38	36465.42	36464.40	36463.34	36462.27	36461.22	36460.20	36459.27	36458.46	36457.79
4.5	36433.73	36432.80	36431.81	36430.79	36429.75	36428.56	36427.41	36426.36	36425.43	36424.69
5.0	36396.48	36395.62	36394.71	36393.78	36392.81	36391.57	36390.37	36389.26	36388.30	36387.54
5.5	36354.18	36353.23	36352.29	36351.36	36350.48	36349.52	36348.63	36347.88	36347.26	36346.84
6.0	36307.55	36306.51	36305.51	36304.58	36303.73	36303.01	36302.39	36301.91	36301.58	36301.42
6.5	36257.37	36256.38	36255.40	36254.46	36253.58	36252.64	36251.77	36251.02	36250.39	36249.92
7.0	36203.08	36202.07	36201.05	36200.04	36199.00	36197.72	36196.47	36195.31	36194.27	36193.39
7.5	36145.15	36143.84	36142.52	36141.17	36139.81	36138.16	36136.57	36135.08	36133.76	36132.66
8.0	36081.29	36079.63	36077.93	36076.24	36074.57	36072.75	36071.04	36069.47	36068.11	36067.01
8.5	36008.60	36006.63	36004.68	36002.82	36001.09	35999.83	35998.75	35997.84	35997.11	35996.55
9.0	35929.48	35927.26	35925.13	35923.15	35921.40	35920.63	35920.11	35919.79	35919.60	35919.50
9.5	35846.15	35843.84	35841.58	35839.46	35837.53	35836.33	35835.35	35834.58	35833.98	35833.55
10.0	35756.30	35753.93	35751.60	35749.36	35747.25	35745.47	35743.88	35742.49	35741.32	35740.40
10.5	35658.22	35655.84	35653.52	35651.28	35649.16	35647.30	35645.60	35644.09	35642.77	35641.68
11.0	35552.27	35549.73	35547.27	35544.93	35542.74	35540.89	35539.23	35537.74	35536.44	35535.32
11.5	35438.34	35435.09	35431.96	35429.01	35426.30	35424.47	35422.91	35421.62	35420.55	35419.68
12.0	35316.10	35312.25	35308.52	35305.04	35301.86	35299.88	35298.26	35296.96	35295.93	35295.13
12.5	35185.10	35181.49	35178.01	35174.72	35171.63	35169.02	35166.66	35164.57	35162.75	35161.20
13.0	35045.72	35042.44	35039.29	35036.26	35033.32	35030.03	35026.88	35023.92	35021.22	35018.83
13.5	34898.78	34895.35	34892.05	34888.86	34885.75	34882.20	34878.77	34875.52	34872.53	34869.85
14.0	34742.48	34738.61	34734.87	34731.26	34727.76	34724.00	34720.41	34717.02	34713.92	34711.13
14.5	34575.16	34570.41	34565.77	34561.29	34557.00	34552.86	34548.98	34545.41	34542.20	34539.38

CANDELA TABULATION - (Cont.)

15.0	34397.17	34391.63	34386.20	34380.93	34375.90	34371.32	34367.09	34363.24	34359.83	34356.89
15.5	34208.20	34202.27	34196.42	34190.75	34185.35	34180.65	34176.32	34172.39	34168.89	34165.84
16.0	34008.54	34003.24	33997.97	33992.75	33987.60	33982.15	33976.89	33971.92	33967.33	33963.22
16.5	33798.49	33795.82	33792.98	33789.75	33785.95	33778.08	33769.80	33761.49	33753.50	33746.20
17.0	33577.66	33578.98	33579.87	33579.77	33578.15	33566.81	33554.18	33541.04	33528.17	33516.34
17.5	33348.43	33355.87	33362.51	33367.29	33369.16	33352.75	33333.77	33313.62	33293.70	33275.42
18.0	33102.76	33115.26	33126.77	33135.76	33140.71	33120.01	33095.66	33069.59	33043.71	33019.96
18.5	32830.87	32843.17	32854.91	32864.42	32869.99	32848.95	32824.20	32797.68	32771.28	32746.95
19.0	32540.33	32551.00	32561.59	32570.39	32575.67	32555.29	32531.43	32505.88	32480.41	32456.80
19.5	32236.05	32246.63	32257.10	32265.74	32270.78	32249.68	32225.03	32198.66	32172.37	32147.98
20.0	31916.21	31926.58	31936.72	31944.91	31949.40	31927.70	31902.41	31875.36	31848.41	31823.37
20.5	31580.90	31590.25	31599.35	31606.57	31610.24	31588.90	31564.11	31537.61	31511.16	31486.49
21.0	31229.24	31236.98	31244.45	31250.14	31252.55	31232.06	31208.35	31183.03	31157.68	31133.91
21.5	30859.57	30865.39	30870.82	30874.53	30875.22	30855.55	30832.94	30808.81	30784.56	30761.64
22.0	30474.41	30477.14	30479.34	30480.01	30478.12	30460.11	30439.64	30417.87	30395.90	30374.89
22.5	30080.34	30076.78	30072.63	30067.48	30060.89	30046.87	30031.54	30015.46	29999.16	29983.20
23.0	29663.47	29654.22	29644.33	29633.94	29623.16	29612.94	29602.47	29591.76	29580.80	29569.60
23.5	29208.15	29197.98	29187.13	29175.84	29164.35	29155.16	29145.89	29136.40	29126.55	29116.20
24.0	28726.21	28716.73	28706.51	28695.77	28684.71	28675.52	28666.10	28656.32	28646.05	28635.18
24.5	28225.08	28215.96	28206.05	28195.55	28184.63	28175.20	28165.44	28155.23	28144.46	28133.04
25.0	27702.31	27693.66	27684.15	27673.95	27663.20	27653.43	27643.19	27632.41	27621.01	27608.91
25.5	27158.37	27149.94	27140.54	27130.33	27119.51	27109.79	27099.54	27088.64	27077.03	27064.61
26.0	26591.90	26583.87	26574.73	26564.69	26553.92	26544.34	26534.12	26523.17	26511.37	26498.63
26.5	26001.01	25994.03	25985.85	25976.62	25966.49	25956.81	25946.31	25934.92	25922.56	25909.18
27.0	25387.81	25381.97	25374.85	25366.57	25357.22	25347.68	25337.13	25325.53	25312.85	25299.05
27.5	24753.42	24748.40	24742.06	24734.51	24725.86	24717.22	24707.51	24696.64	24684.54	24671.13
28.0	24098.87	24094.36	24088.51	24081.43	24073.27	24065.70	24057.04	24047.19	24035.99	24023.33
28.5	23425.65	23421.01	23414.92	23407.62	23399.29	23392.35	23384.45	23375.41	23365.08	23353.29
29.0	22733.46	22728.77	22722.57	22715.14	22706.77	22700.46	22693.29	22685.08	22675.63	22664.75
29.5	22020.83	22017.15	22011.97	22005.55	21998.14	21992.80	21986.54	21979.16	21970.47	21960.25
30.0	21292.70	21290.14	21286.07	21280.75	21274.43	21270.10	21264.79	21258.31	21250.44	21240.96
30.5	20553.83	20551.46	20547.52	20542.33	20536.18	20532.48	20527.90	20522.24	20515.28	20506.79
31.0	19803.31	19801.28	19797.68	19792.87	19787.20	19784.54	19781.13	19776.71	19771.06	19763.91
31.5	19038.64	19038.50	19037.00	19034.45	19031.14	19031.06	19030.21	19028.24	19024.83	19019.66
32.0	18269.37	18270.69	18270.87	18270.20	18268.95	18271.62	18273.56	18274.32	18273.46	18270.54
32.5	17505.94	17506.01	17504.99	17503.32	17501.45	17505.88	17509.98	17513.15	17514.78	17514.29
33.0	16743.27	16741.64	16738.89	16735.68	16732.62	16738.29	16744.04	16749.16	16752.92	16754.59
33.5	15977.94	15976.06	15973.00	15969.49	15966.22	15972.40	15978.82	15984.75	15989.44	15992.16
34.0	15215.43	15213.50	15210.41	15206.91	15203.76	15210.46	15217.54	15224.25	15229.86	15233.61
34.5	14458.15	14455.10	14451.21	14447.30	14444.21	14452.83	14462.23	14471.53	14479.84	14486.28
35.0	13711.86	13708.62	13704.82	13701.30	13698.88	13708.73	13719.57	13730.48	13740.51	13748.71
35.5	12983.32	12983.50	12983.05	12982.52	12982.47	12990.29	12998.53	13006.57	13013.80	13019.59
36.0	12271.88	12275.78	12278.87	12281.43	12283.74	12289.17	12294.35	12299.02	12302.93	12305.82
36.5	11578.89	11583.73	11587.67	11590.96	11593.84	11599.01	11603.83	11608.12	11611.71	11614.43
37.0	10905.09	10910.02	10914.03	10917.39	10920.38	10925.96	10931.27	10936.12	10940.33	10943.71
37.5	10251.02	10256.12	10260.35	10264.02	10267.38	10273.52	10279.45	10284.98	10289.92	10294.07
38.0	9618.58	9623.97	9628.60	9632.74	9636.65	9643.27	9649.73	9655.84	9661.39	9666.20
38.5	9008.68	9015.24	9021.12	9026.48	9031.49	9037.98	9044.17	9049.95	9055.19	9059.79
39.0	8424.79	8432.28	8439.15	8445.48	8451.35	8457.62	8463.48	8468.89	8473.80	8478.17
39.5	7872.09	7879.04	7885.41	7891.32	7896.89	7903.34	7909.51	7915.32	7920.70	7925.58
40.0	7346.44	7352.37	7357.78	7362.83	7367.72	7374.40	7380.98	7387.35	7393.37	7398.92
40.5	6844.20	6849.13	6853.62	6857.87	6862.14	6868.93	6875.80	6882.59	6889.15	6895.31
41.0	6369.08	6373.32	6377.18	6380.89	6384.72	6391.41	6398.29	6405.19	6411.94	6418.35
41.5	5924.65	5929.30	5933.54	5937.58	5941.62	5947.73	5953.90	5960.02	5965.95	5971.57
42.0	5507.70	5512.84	5517.58	5522.05	5526.38	5531.86	5537.27	5542.53	5547.57	5552.33
42.5	5115.57	5120.22	5124.55	5128.70	5132.81	5138.20	5143.60	5148.96	5154.20	5159.25

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43.0	4750.11	4754.36	4758.40	4762.33	4766.27	4771.44	4776.66	4781.88	4787.02	4792.01
43.5	4414.12	4419.59	4424.84	4429.82	4434.47	4438.45	4442.06	4445.31	4448.19	4450.73
44.0	4101.99	4108.06	4113.89	4119.32	4124.18	4127.17	4129.47	4131.13	4132.17	4132.65
44.5	3807.23	3810.81	3814.12	3817.21	3820.09	3823.48	3826.60	3829.37	3831.68	3833.46
45.0	3535.16	3535.51	3535.60	3535.72	3536.14	3540.40	3544.99	3549.62	3554.03	3557.93
45.5	3292.83	3290.49	3287.95	3285.68	3284.18	3289.66	3295.90	3302.42	3308.71	3314.29
46.0	3068.55	3064.86	3061.01	3057.57	3055.10	3060.99	3067.81	3074.98	3081.88	3087.90
46.5	2849.54	2848.14	2846.58	2845.16	2844.18	2847.62	2851.46	2855.36	2858.98	2862.00
47.0	2646.19	2647.41	2648.46	2649.34	2650.05	2650.76	2651.27	2651.53	2651.52	2651.21
47.5	2467.32	2468.16	2468.84	2469.33	2469.63	2469.78	2469.72	2469.40	2468.83	2467.98
48.0	2304.86	2304.70	2304.36	2303.89	2303.34	2303.45	2303.44	2303.26	2302.84	2302.09
48.5	2153.43	2153.14	2152.65	2152.00	2151.21	2150.69	2150.02	2149.15	2148.04	2146.64
49.0	2013.81	2013.49	2012.96	2012.24	2011.33	2010.34	2009.15	2007.72	2006.04	2004.10
49.5	1885.02	1884.45	1883.73	1882.87	1881.88	1881.23	1880.41	1879.36	1878.02	1876.32
50.0	1766.91	1766.01	1764.99	1763.87	1762.69	1762.26	1761.70	1760.93	1759.84	1758.34
50.5	1660.08	1658.58	1656.87	1654.99	1653.01	1651.60	1650.09	1648.41	1646.51	1644.34
51.0	1561.31	1559.57	1557.52	1555.23	1552.72	1550.21	1547.55	1544.74	1541.81	1538.77
51.5	1466.92	1466.37	1465.58	1464.46	1462.96	1459.97	1456.63	1453.03	1449.28	1445.47
52.0	1378.85	1379.38	1379.73	1379.75	1379.25	1376.21	1372.65	1368.73	1364.61	1360.45
52.5	1298.03	1297.77	1297.36	1296.70	1295.70	1293.25	1290.43	1287.34	1284.05	1280.64
53.0	1223.86	1222.54	1221.07	1219.46	1217.71	1215.93	1213.99	1211.88	1209.58	1207.09
53.5	1156.58	1155.13	1153.55	1151.86	1150.07	1148.41	1146.62	1144.69	1142.59	1140.30
54.0	1094.69	1093.39	1091.97	1090.43	1088.78	1087.08	1085.24	1083.26	1081.12	1078.81
54.5	1036.72	1035.54	1034.26	1032.86	1031.33	1029.60	1027.73	1025.71	1023.55	1021.25
55.0	982.89	981.85	980.72	979.47	978.08	976.33	974.43	972.39	970.22	967.93
55.5	933.11	932.13	931.08	929.92	928.63	926.94	925.12	923.16	921.08	918.89
56.0	886.91	885.98	884.98	883.89	882.68	881.10	879.39	877.56	875.62	873.58
56.5	843.86	842.96	842.01	840.97	839.84	838.39	836.83	835.16	833.39	831.53
57.0	803.85	802.98	802.06	801.08	800.01	798.70	797.28	795.77	794.17	792.49
57.5	766.73	765.90	765.04	764.11	763.11	761.88	760.56	759.15	757.67	756.11
58.0	732.18	731.40	730.58	729.71	728.78	727.62	726.38	725.07	723.68	722.24
58.5	699.91	699.16	698.38	697.56	696.69	695.62	694.48	693.27	692.01	690.70
59.0	669.70	668.97	668.22	667.45	666.63	665.65	664.62	663.53	662.40	661.23
59.5	641.26	640.53	639.80	639.06	638.29	637.41	636.50	635.55	634.56	633.53
60.0	614.51	613.79	613.08	612.37	611.64	610.87	610.08	609.26	608.42	607.53
60.5	589.26	588.58	587.91	587.26	586.60	585.93	585.24	584.54	583.82	583.07
61.0	565.54	564.90	564.29	563.70	563.12	562.53	561.95	561.36	560.75	560.14
61.5	543.40	542.79	542.21	541.66	541.14	540.65	540.17	539.70	539.22	538.72
62.0	522.65	522.07	521.53	521.02	520.55	520.16	519.78	519.41	519.04	518.65
62.5	503.16	502.62	502.14	501.69	501.28	500.96	500.66	500.37	500.08	499.78
63.0	484.84	484.37	483.94	483.56	483.22	482.95	482.70	482.47	482.23	481.98
63.5	467.63	467.24	466.90	466.60	466.32	466.08	465.84	465.61	465.38	465.14
64.0	451.35	451.04	450.77	450.54	450.32	450.09	449.86	449.63	449.39	449.14
64.5	435.80	435.51	435.27	435.06	434.87	434.67	434.47	434.28	434.08	433.87
65.0	421.00	420.72	420.50	420.30	420.13	419.96	419.79	419.63	419.47	419.29
65.5	406.94	406.71	406.52	406.36	406.22	406.05	405.88	405.72	405.55	405.38
66.0	393.52	393.32	393.17	393.04	392.92	392.74	392.57	392.39	392.21	392.03
66.5	380.64	380.45	380.29	380.15	380.03	379.86	379.69	379.52	379.35	379.18
67.0	368.21	368.02	367.86	367.72	367.58	367.41	367.24	367.08	366.91	366.74
67.5	356.12	355.97	355.84	355.72	355.60	355.41	355.21	355.01	354.81	354.61
68.0	344.30	344.19	344.10	344.02	343.93	343.72	343.49	343.26	343.03	342.80
68.5	332.69	332.59	332.51	332.44	332.36	332.18	331.98	331.78	331.56	331.35
69.0	321.24	321.16	321.10	321.05	320.99	320.83	320.66	320.47	320.28	320.08
69.5	309.83	309.82	309.83	309.84	309.83	309.64	309.43	309.20	308.96	308.73
70.0	298.64	298.70	298.77	298.84	298.88	298.65	298.40	298.12	297.83	297.55
70.5	287.88	287.95	288.04	288.12	288.17	287.93	287.65	287.35	287.05	286.75

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71.0	277.37	277.45	277.54	277.63	277.67	277.43	277.14	276.83	276.51	276.21
71.5	267.02	267.12	267.22	267.32	267.37	267.13	266.85	266.54	266.22	265.92
72.0	256.82	256.93	257.06	257.17	257.24	257.00	256.71	256.41	256.09	255.78
72.5	246.72	246.87	247.03	247.17	247.26	247.01	246.70	246.36	246.01	245.68
73.0	236.67	236.86	237.06	237.24	237.36	237.09	236.75	236.39	236.01	235.65
73.5	226.60	226.82	227.05	227.25	227.40	227.13	226.80	226.43	226.06	225.69
74.0	216.58	216.83	217.08	217.32	217.49	217.23	216.90	216.54	216.16	215.80
74.5	206.69	206.99	207.28	207.56	207.76	207.49	207.14	206.75	206.35	205.97
75.0	196.85	197.18	197.52	197.83	198.06	197.77	197.41	197.01	196.59	196.20
75.5	187.01	187.34	187.68	187.99	188.23	187.97	187.64	187.27	186.88	186.51
76.0	177.16	177.49	177.82	178.12	178.36	178.14	177.84	177.51	177.16	176.82
76.5	167.26	167.60	167.94	168.26	168.51	168.29	168.00	167.67	167.33	167.00
77.0	157.36	157.71	158.06	158.39	158.65	158.44	158.16	157.83	157.50	157.18
77.5	147.49	147.82	148.16	148.48	148.74	148.56	148.32	148.05	147.76	147.48
78.0	137.69	138.00	138.32	138.62	138.87	138.73	138.54	138.31	138.07	137.84
78.5	128.06	128.35	128.65	128.92	129.15	129.02	128.84	128.63	128.42	128.22
79.0	118.49	118.77	119.04	119.30	119.51	119.39	119.22	119.02	118.82	118.64
79.5	108.93	109.19	109.44	109.68	109.88	109.79	109.65	109.49	109.32	109.17
80.0	99.41	99.66	99.91	100.14	100.33	100.26	100.14	100.01	99.86	99.73
80.5	89.87	90.15	90.42	90.68	90.90	90.80	90.66	90.50	90.33	90.16
81.0	80.52	80.81	81.11	81.38	81.60	81.49	81.33	81.14	80.94	80.76
81.5	71.60	71.84	72.07	72.29	72.47	72.39	72.27	72.12	71.97	71.82
82.0	62.95	63.12	63.29	63.45	63.58	63.52	63.44	63.34	63.23	63.13
82.5	54.49	54.63	54.78	54.91	55.02	54.95	54.86	54.76	54.65	54.54
83.0	46.22	46.35	46.48	46.60	46.69	46.61	46.50	46.38	46.26	46.14
83.5	37.96	38.08	38.20	38.31	38.40	38.32	38.22	38.10	37.98	37.87
84.0	30.12	30.23	30.34	30.44	30.53	30.46	30.36	30.26	30.15	30.05
84.5	23.00	23.09	23.18	23.26	23.34	23.28	23.20	23.11	23.03	22.96
85.0	16.70	16.76	16.83	16.90	16.96	16.92	16.87	16.81	16.76	16.72
85.5	11.23	11.27	11.32	11.38	11.44	11.43	11.42	11.41	11.41	11.42
86.0	7.19	7.21	7.25	7.29	7.34	7.36	7.38	7.41	7.45	7.50
86.5	5.68	5.69	5.70	5.73	5.75	5.76	5.77	5.78	5.80	5.83
87.0	5.19	5.20	5.20	5.20	5.20	5.20	5.18	5.17	5.16	5.14
87.5	4.50	4.52	4.53	4.54	4.54	4.52	4.50	4.47	4.44	4.40
88.0	3.91	3.94	3.96	3.97	3.98	3.96	3.93	3.90	3.86	3.82
88.5	3.22	3.23	3.24	3.24	3.25	3.24	3.23	3.21	3.19	3.18
89.0	2.68	2.67	2.67	2.67	2.67	2.67	2.67	2.68	2.69	2.70
89.5	2.52	2.51	2.51	2.50	2.50	2.50	2.51	2.52	2.53	2.54
90.0	2.67	2.67	2.66	2.66	2.65	2.65	2.65	2.65	2.66	2.66

**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	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36573.89	36574.06	36574.35	36574.70	36575.09	36575.46	36575.77	36575.57	36575.31	36575.00
1.0	36567.52	36567.74	36568.12	36568.60	36569.11	36569.60	36570.02	36569.64	36569.18	36568.67
1.5	36559.74	36559.83	36560.02	36560.27	36560.55	36560.79	36560.96	36560.40	36559.78	36559.16
2.0	36548.59	36548.54	36548.53	36548.55	36548.58	36548.58	36548.53	36547.88	36547.23	36546.63
2.5	36531.91	36531.94	36532.08	36532.29	36532.53	36532.75	36532.95	36532.51	36532.05	36531.65
3.0	36510.88	36511.04	36511.35	36511.79	36512.30	36512.83	36513.34	36513.18	36513.01	36512.88
3.5	36486.11	36486.20	36486.45	36486.84	36487.33	36487.87	36488.45	36488.58	36488.74	36488.95
4.0	36457.27	36457.33	36457.57	36457.94	36458.41	36458.95	36459.55	36459.81	36460.12	36460.47
4.5	36424.15	36424.48	36425.02	36425.70	36426.46	36427.23	36427.96	36427.83	36427.67	36427.53
5.0	36387.02	36387.65	36388.50	36389.48	36390.51	36391.48	36392.32	36391.73	36391.03	36390.34
5.5	36346.63	36347.35	36348.25	36349.24	36350.24	36351.16	36351.93	36351.22	36350.41	36349.61
6.0	36301.43	36302.11	36302.91	36303.79	36304.65	36305.45	36306.10	36305.40	36304.63	36303.90

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6.5	36249.63	36250.03	36250.59	36251.23	36251.91	36252.55	36253.13	36252.48	36251.81	36251.25
7.0	36192.71	36192.86	36193.20	36193.68	36194.25	36194.83	36195.38	36194.82	36194.30	36193.91
7.5	36131.84	36132.12	36132.67	36133.39	36134.23	36135.09	36135.91	36135.39	36134.88	36134.50
8.0	36066.21	36066.57	36067.23	36068.08	36069.05	36070.05	36071.01	36070.60	36070.19	36069.91
8.5	35996.15	35996.00	35996.01	35996.14	35996.39	35996.73	35997.16	35997.15	35997.27	35997.61
9.0	35919.44	35918.83	35918.25	35917.73	35917.32	35917.05	35916.97	35917.22	35917.73	35918.51
9.5	35833.24	35832.92	35832.71	35832.60	35832.60	35832.68	35832.87	35832.71	35832.72	35832.96
10.0	35739.72	35739.74	35739.97	35740.36	35740.84	35741.37	35741.89	35741.21	35740.61	35740.20
10.5	35640.81	35640.56	35640.52	35640.63	35640.86	35641.13	35641.43	35640.66	35639.98	35639.54
11.0	35534.38	35533.78	35533.34	35533.05	35532.87	35532.78	35532.77	35531.99	35531.38	35531.04
11.5	35418.96	35418.29	35417.75	35417.32	35416.99	35416.74	35416.59	35415.79	35415.17	35414.83
12.0	35294.50	35293.82	35293.27	35292.81	35292.46	35292.19	35291.99	35291.15	35290.48	35290.07
12.5	35159.91	35159.19	35158.70	35158.39	35158.22	35158.15	35158.13	35157.11	35156.22	35155.58
13.0	35016.80	35015.98	35015.52	35015.32	35015.32	35015.42	35015.57	35014.41	35013.34	35012.50
13.5	34867.55	34866.47	34865.75	34865.34	34865.14	34865.11	34865.15	34864.14	34863.24	34862.58
14.0	34708.72	34707.45	34706.55	34705.94	34705.57	34705.37	34705.27	34704.29	34703.44	34702.80
14.5	34537.02	34535.98	34535.34	34534.98	34534.82	34534.73	34534.66	34533.13	34531.62	34530.26
15.0	34354.46	34353.66	34353.27	34353.17	34353.21	34353.24	34353.16	34350.94	34348.63	34346.38
15.5	34163.26	34162.04	34161.20	34160.62	34160.16	34159.70	34159.13	34156.66	34154.11	34151.63
16.0	33959.67	33958.36	33957.54	33957.04	33956.68	33956.28	33955.68	33952.61	33949.34	33946.04
16.5	33739.96	33739.67	33740.40	33741.74	33743.29	33744.63	33745.36	33740.71	33735.37	33729.67
17.0	33506.33	33508.00	33511.49	33516.04	33520.84	33525.13	33528.14	33521.04	33512.45	33502.95
17.5	33260.18	33265.70	33274.29	33284.55	33295.08	33304.50	33311.41	33300.18	33286.07	33270.10
18.0	33000.27	33008.94	33021.70	33036.64	33051.85	33065.41	33075.42	33060.49	33041.48	33019.80
18.5	32726.60	32734.41	32746.26	32760.25	32774.49	32787.09	32796.15	32780.46	32760.71	32738.34
19.0	32436.85	32442.88	32452.62	32464.32	32476.26	32486.68	32493.84	32478.21	32458.86	32437.08
19.5	32127.31	32133.20	32142.86	32154.50	32166.34	32176.57	32183.44	32166.95	32146.59	32123.67
20.0	31802.10	31807.74	31817.20	31828.65	31840.29	31850.30	31856.87	31839.99	31819.12	31795.56
20.5	31465.36	31469.66	31477.57	31487.39	31497.43	31505.97	31511.33	31495.32	31475.51	31453.02
21.0	31113.30	31115.45	31120.89	31128.15	31135.73	31142.15	31145.92	31132.08	31114.90	31095.19
21.5	30741.44	30740.45	30742.48	30746.37	30750.96	30755.09	30757.60	30748.92	30737.74	30724.32
22.0	30355.96	30351.32	30349.15	30348.68	30349.16	30349.82	30349.90	30345.35	30339.24	30331.38
22.5	29968.12	29959.38	29951.78	29945.01	29938.77	29932.76	29926.69	29920.26	29913.16	29905.09
23.0	29558.13	29545.86	29533.43	29520.93	29508.44	29496.06	29483.89	29474.13	29464.39	29454.39
23.5	29105.20	29091.38	29076.98	29062.23	29047.33	29032.50	29017.94	29006.84	28995.93	28984.91
24.0	28623.56	28609.04	28593.88	28578.27	28562.47	28546.67	28531.10	28519.08	28507.20	28495.15
24.5	28120.83	28105.93	28090.35	28074.28	28057.94	28041.51	28025.22	28012.20	27999.19	27985.91
25.0	27596.03	27580.79	27564.88	27548.46	27531.72	27514.82	27497.96	27484.15	27470.22	27455.88
25.5	27051.26	27035.11	27018.18	27000.66	26982.80	26964.80	26946.88	26932.76	26918.54	26903.86
26.0	26484.84	26467.77	26449.81	26431.20	26412.23	26393.13	26374.17	26359.80	26345.38	26330.44
26.5	25894.71	25877.23	25858.85	25839.80	25820.33	25800.71	25781.17	25766.15	25751.00	25735.24
27.0	25284.10	25266.31	25247.56	25228.12	25208.21	25188.08	25167.98	25152.34	25136.50	25119.98
27.5	24656.34	24637.85	24618.21	24597.72	24576.72	24555.49	24534.37	24518.49	24502.50	24485.87
28.0	24009.07	23990.16	23969.90	23948.65	23926.79	23904.69	23882.73	23866.74	23850.69	23834.01
28.5	23339.88	23321.68	23302.04	23281.30	23259.82	23237.95	23216.04	23199.69	23183.08	23165.69
29.0	22652.24	22634.91	22616.09	22596.10	22575.27	22553.91	22532.37	22516.03	22499.26	22481.54
29.5	21948.30	21931.00	21912.14	21892.10	21871.25	21849.97	21828.64	21813.61	21798.26	21781.95
30.0	21229.64	21212.53	21193.79	21173.87	21153.17	21132.14	21111.20	21097.57	21083.72	21068.91
30.5	20496.54	20480.87	20463.59	20445.08	20425.71	20405.83	20385.84	20372.22	20358.16	20342.99
31.0	19755.02	19740.68	19724.69	19707.40	19689.14	19670.26	19651.11	19637.80	19623.92	19608.81
31.5	19012.38	18997.80	18981.29	18963.35	18944.49	18925.23	18906.07	18895.18	18884.08	18871.98
32.0	18265.12	18250.08	18232.80	18213.95	18194.24	18174.37	18155.05	18146.82	18138.85	18130.14
32.5	17511.09	17496.43	17479.26	17460.37	17440.57	17420.66	17401.46	17394.59	17388.17	17381.15
33.0	16753.46	16739.60	16723.06	16704.69	16685.35	16665.88	16647.16	16641.27	16635.91	16630.01
33.5	15992.17	15979.60	15964.41	15947.41	15929.45	15911.35	15893.94	15889.03	15884.60	15879.59
34.0	15234.77	15223.60	15209.90	15194.43	15178.01	15161.43	15145.48	15141.67	15138.26	15134.22

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CANDELA TABULATION - (Cont.)

34.5	14489.96	14479.67	14466.61	14451.66	14435.70	14419.62	14404.30	14402.21	14400.69	14398.61
35.0	13754.15	13745.13	13733.29	13719.53	13704.76	13689.86	13675.75	13675.12	13675.06	13674.46
35.5	13023.32	13017.23	13009.07	12999.44	12988.94	12978.19	12967.78	12967.24	12966.73	12965.36
36.0	12307.41	12304.27	12299.87	12294.48	12288.38	12281.87	12275.22	12274.36	12272.98	12270.37
36.5	11616.07	11614.38	11611.63	11608.00	11603.66	11598.79	11593.59	11592.48	11590.65	11587.57
37.0	10946.07	10945.24	10943.37	10940.62	10937.16	10933.14	10928.73	10927.88	10926.30	10923.51
37.5	10297.24	10296.98	10295.73	10293.68	10291.03	10287.97	10284.68	10285.81	10286.34	10285.70
38.0	9670.06	9670.37	9669.76	9668.43	9666.62	9664.52	9662.37	9665.43	9668.00	9669.43
38.5	9063.63	9065.13	9065.88	9066.02	9065.68	9064.99	9064.09	9067.16	9069.59	9070.82
39.0	8481.94	8484.54	8486.56	8488.04	8489.03	8489.58	8489.73	8492.42	8494.31	8494.96
39.5	7929.89	7932.83	7935.19	7937.02	7938.37	7939.31	7939.89	7942.97	7945.32	7946.51
40.0	7403.90	7406.98	7409.44	7411.36	7412.82	7413.90	7414.69	7418.21	7421.09	7422.92
40.5	6900.92	6904.41	6907.27	6909.58	6911.41	6912.84	6913.96	6917.59	6920.61	6922.60
41.0	6424.25	6428.07	6431.28	6433.92	6436.08	6437.82	6439.19	6442.66	6445.50	6447.35
41.5	5976.76	5980.45	5983.62	5986.29	5988.50	5990.29	5991.69	5994.58	5996.84	5998.18
42.0	5556.73	5560.33	5563.51	5566.25	5568.55	5570.39	5571.78	5573.88	5575.32	5575.87
42.5	5164.05	5168.56	5172.68	5176.31	5179.38	5181.81	5183.53	5184.60	5184.77	5183.93
43.0	4796.78	4801.50	4805.81	4809.63	4812.84	4815.32	4816.98	4817.38	4816.79	4815.15
43.5	4452.91	4454.70	4456.16	4457.29	4458.11	4458.63	4458.86	4459.97	4460.63	4460.63
44.0	4132.60	4131.36	4129.79	4128.04	4126.25	4124.59	4123.22	4125.12	4127.14	4128.93
44.5	3834.61	3833.40	3831.65	3829.57	3827.35	3825.17	3823.22	3824.60	3826.11	3827.43
45.0	3561.07	3560.17	3558.46	3556.17	3553.55	3550.84	3548.27	3549.08	3550.01	3550.76
45.5	3318.66	3315.78	3311.65	3306.72	3301.45	3296.29	3291.72	3293.32	3295.53	3297.94
46.0	3092.46	3087.94	3081.94	3075.04	3067.83	3060.91	3054.88	3056.85	3059.78	3063.16
46.5	2864.07	2860.95	2856.87	2852.17	2847.18	2842.24	2837.67	2837.52	2837.78	2838.15
47.0	2650.56	2649.16	2647.43	2645.38	2643.05	2640.47	2637.66	2635.14	2632.37	2629.31
47.5	2466.83	2465.19	2463.25	2461.00	2458.45	2455.62	2452.51	2449.24	2445.69	2441.85
48.0	2300.96	2298.62	2295.88	2292.78	2289.39	2285.76	2281.95	2278.46	2274.82	2271.00
48.5	2144.91	2142.32	2139.41	2136.20	2132.75	2129.09	2125.28	2121.59	2117.77	2113.83
49.0	2001.87	1999.00	1995.87	1992.51	1988.95	1985.24	1981.42	1977.73	1973.96	1970.12
49.5	1874.21	1870.67	1866.75	1862.56	1858.19	1853.75	1849.34	1846.06	1842.84	1839.60
50.0	1756.34	1752.31	1747.82	1743.02	1738.06	1733.07	1728.22	1725.24	1722.40	1719.58
50.5	1641.83	1638.14	1634.14	1629.92	1625.55	1621.13	1616.72	1613.26	1609.83	1606.39
51.0	1535.62	1532.52	1529.32	1526.02	1522.59	1519.04	1515.36	1511.27	1507.07	1502.78
51.5	1441.71	1439.20	1436.76	1434.30	1431.74	1429.00	1425.98	1421.54	1416.83	1411.96
52.0	1356.39	1354.20	1352.16	1350.16	1348.07	1345.77	1343.16	1338.70	1333.91	1328.93
52.5	1277.19	1274.42	1271.67	1268.88	1266.04	1263.10	1260.05	1256.33	1252.50	1248.63
53.0	1204.38	1200.96	1197.38	1193.70	1189.98	1186.30	1182.73	1179.83	1177.09	1174.46
53.5	1137.78	1134.40	1130.85	1127.20	1123.53	1119.92	1116.44	1113.79	1111.32	1109.00
54.0	1076.32	1073.19	1069.93	1066.60	1063.26	1059.97	1056.79	1054.24	1051.85	1049.60
54.5	1018.80	1015.90	1012.90	1009.86	1006.83	1003.85	1001.00	998.65	996.46	994.42
55.0	965.53	962.85	960.11	957.36	954.64	951.99	949.45	947.35	945.39	943.58
55.5	916.61	914.08	911.52	908.95	906.43	904.00	901.70	899.89	898.24	896.73
56.0	871.46	869.06	866.64	864.23	861.88	859.63	857.53	856.01	854.65	853.46
56.5	829.59	827.36	825.10	822.85	820.68	818.61	816.70	815.38	814.24	813.27
57.0	790.73	788.66	786.56	784.49	782.48	780.58	778.84	777.71	776.77	775.99
57.5	754.48	752.56	750.61	748.69	746.85	745.13	743.58	742.66	741.93	741.36
58.0	720.74	718.95	717.16	715.41	713.73	712.19	710.81	710.08	709.54	709.15
58.5	689.34	687.73	686.11	684.54	683.05	681.68	680.47	679.86	679.42	679.14
59.0	660.01	658.57	657.13	655.72	654.40	653.19	652.13	651.61	651.26	651.05
59.5	632.46	631.14	629.82	628.53	627.32	626.22	625.27	624.88	624.65	624.56
60.0	606.61	605.41	604.20	603.03	601.93	600.94	600.10	599.81	599.68	599.69
60.5	582.30	581.27	580.23	579.24	578.30	577.46	576.75	576.51	576.42	576.45
61.0	559.49	558.63	557.78	556.94	556.16	555.47	554.88	554.67	554.59	554.61
61.5	538.21	537.46	536.72	535.99	535.31	534.70	534.19	534.01	533.95	533.99
62.0	518.24	517.59	516.93	516.28	515.67	515.13	514.67	514.51	514.46	514.50

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CANDELA TABULATION - (Cont.)

62.5	499.45	498.88	498.29	497.72	497.17	496.68	496.26	496.10	496.03	496.06
63.0	481.71	481.21	480.69	480.17	479.68	479.24	478.86	478.69	478.60	478.60
63.5	464.87	464.43	463.97	463.52	463.09	462.70	462.37	462.21	462.13	462.13
64.0	448.88	448.48	448.08	447.68	447.31	446.98	446.70	446.55	446.47	446.47
64.5	433.65	433.29	432.93	432.58	432.24	431.94	431.68	431.53	431.44	431.43
65.0	419.11	418.80	418.48	418.16	417.86	417.58	417.35	417.19	417.09	417.05
65.5	405.20	404.93	404.66	404.39	404.14	403.91	403.71	403.54	403.41	403.35
66.0	391.85	391.62	391.39	391.17	390.96	390.77	390.59	390.41	390.26	390.16
66.5	379.00	378.79	378.58	378.37	378.17	377.98	377.82	377.62	377.45	377.34
67.0	366.57	366.36	366.16	365.96	365.77	365.59	365.43	365.22	365.04	364.91
67.5	354.42	354.24	354.07	353.90	353.75	353.60	353.46	353.24	353.04	352.88
68.0	342.59	342.42	342.28	342.14	342.01	341.88	341.77	341.54	341.34	341.17
68.5	331.14	330.96	330.78	330.61	330.45	330.30	330.17	329.98	329.81	329.69
69.0	319.87	319.67	319.47	319.28	319.10	318.94	318.79	318.63	318.50	318.41
69.5	308.50	308.34	308.20	308.07	307.95	307.84	307.74	307.55	307.37	307.24
70.0	297.29	297.19	297.12	297.06	297.02	296.98	296.93	296.70	296.48	296.29
70.5	286.48	286.40	286.36	286.34	286.34	286.33	286.31	286.10	285.89	285.70
71.0	275.94	275.88	275.85	275.85	275.86	275.88	275.88	275.70	275.51	275.34
71.5	265.65	265.59	265.57	265.57	265.59	265.62	265.63	265.47	265.30	265.15
72.0	255.51	255.45	255.43	255.44	255.46	255.49	255.52	255.38	255.23	255.10
72.5	245.38	245.33	245.33	245.36	245.41	245.46	245.51	245.39	245.26	245.15
73.0	235.33	235.29	235.30	235.35	235.43	235.51	235.59	235.49	235.39	235.29
73.5	225.37	225.34	225.36	225.42	225.50	225.60	225.69	225.63	225.57	225.51
74.0	215.48	215.46	215.50	215.57	215.67	215.79	215.90	215.87	215.84	215.80
74.5	205.64	205.66	205.74	205.86	206.02	206.18	206.33	206.30	206.25	206.20
75.0	195.86	195.91	196.03	196.20	196.39	196.59	196.78	196.74	196.68	196.61
75.5	186.19	186.24	186.35	186.50	186.68	186.86	187.03	187.01	186.96	186.91
76.0	176.53	176.56	176.65	176.78	176.93	177.09	177.24	177.24	177.22	177.20
76.5	166.71	166.75	166.84	166.98	167.14	167.32	167.49	167.52	167.53	167.54
77.0	156.90	156.96	157.07	157.22	157.40	157.59	157.78	157.83	157.87	157.90
77.5	147.25	147.32	147.44	147.60	147.79	147.98	148.16	148.22	148.26	148.29
78.0	137.66	137.75	137.89	138.06	138.25	138.44	138.62	138.66	138.68	138.69
78.5	128.06	128.19	128.36	128.57	128.78	128.99	129.18	129.19	129.16	129.11
79.0	118.50	118.66	118.86	119.09	119.32	119.55	119.73	119.70	119.63	119.53
79.5	109.06	109.20	109.37	109.57	109.77	109.96	110.12	110.10	110.03	109.94
80.0	99.63	99.74	99.88	100.05	100.21	100.37	100.50	100.49	100.46	100.39
80.5	90.03	90.14	90.29	90.46	90.63	90.80	90.95	90.97	90.96	90.92
81.0	80.60	80.71	80.85	81.03	81.21	81.39	81.55	81.59	81.60	81.57
81.5	71.70	71.78	71.89	72.02	72.16	72.30	72.42	72.44	72.44	72.42
82.0	63.05	63.11	63.19	63.28	63.37	63.46	63.53	63.53	63.51	63.47
82.5	54.46	54.52	54.60	54.69	54.78	54.86	54.93	54.90	54.85	54.78
83.0	46.05	46.11	46.20	46.30	46.40	46.49	46.56	46.52	46.44	46.35
83.5	37.78	37.84	37.93	38.02	38.12	38.21	38.28	38.24	38.17	38.09
84.0	29.98	30.04	30.12	30.21	30.30	30.39	30.47	30.43	30.38	30.32
84.5	22.90	22.96	23.05	23.14	23.23	23.32	23.40	23.35	23.30	23.24
85.0	16.69	16.77	16.86	16.96	17.06	17.16	17.25	17.21	17.16	17.13
85.5	11.45	11.56	11.68	11.81	11.95	12.09	12.23	12.27	12.32	12.37
86.0	7.57	7.68	7.82	7.96	8.12	8.28	8.44	8.55	8.66	8.79
86.5	5.86	5.91	5.97	6.04	6.11	6.19	6.27	6.31	6.35	6.41
87.0	5.12	5.10	5.09	5.07	5.05	5.03	5.02	4.98	4.94	4.91
87.5	4.36	4.33	4.29	4.26	4.22	4.19	4.16	4.12	4.09	4.06
88.0	3.78	3.75	3.72	3.69	3.67	3.64	3.62	3.61	3.60	3.60
88.5	3.16	3.15	3.14	3.14	3.13	3.13	3.13	3.14	3.14	3.15
89.0	2.71	2.72	2.73	2.75	2.76	2.78	2.80	2.81	2.83	2.85
89.5	2.56	2.57	2.58	2.60	2.62	2.63	2.65	2.66	2.68	2.70
90.0	2.66	2.66	2.67	2.67	2.67	2.67	2.68	2.68	2.68	2.68

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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	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36574.68	36574.38	36574.13	36574.21	36574.35	36574.54	36574.75	36574.98	36575.21	36575.36
1.0	36568.16	36567.72	36567.37	36567.67	36568.08	36568.58	36569.12	36569.68	36570.21	36570.45
1.5	36558.61	36558.18	36557.94	36558.64	36559.52	36560.53	36561.60	36562.68	36563.70	36563.97
2.0	36546.14	36545.85	36545.80	36546.93	36548.27	36549.76	36551.30	36552.81	36554.21	36554.46
2.5	36531.36	36531.26	36531.39	36532.80	36534.40	36536.09	36537.75	36539.30	36540.61	36540.64
3.0	36512.84	36512.96	36513.28	36514.87	36516.59	36518.33	36519.96	36521.38	36522.45	36522.45
3.5	36489.24	36489.66	36490.21	36491.83	36493.49	36495.09	36496.52	36497.67	36498.41	36499.21
4.0	36460.91	36461.46	36462.13	36463.73	36465.37	36466.92	36468.28	36469.34	36469.98	36471.55
4.5	36427.49	36427.62	36427.97	36429.67	36431.55	36433.48	36435.35	36437.05	36438.46	36439.76
5.0	36389.76	36389.42	36389.44	36391.32	36393.54	36395.96	36398.47	36400.93	36403.22	36404.14
5.5	36348.96	36348.59	36348.64	36350.80	36353.35	36356.14	36359.02	36361.85	36364.48	36365.67
6.0	36303.36	36303.14	36303.36	36305.87	36308.78	36311.91	36315.11	36318.20	36321.00	36322.72
6.5	36250.92	36250.95	36251.45	36254.36	36257.66	36261.19	36264.73	36268.12	36271.16	36273.64
7.0	36193.80	36194.07	36194.85	36198.13	36201.80	36205.68	36209.53	36213.15	36216.34	36219.52
7.5	36134.39	36134.69	36135.52	36139.09	36143.07	36147.23	36151.33	36155.14	36158.41	36161.75
8.0	36069.90	36070.28	36071.18	36074.95	36079.09	36083.36	36087.49	36091.24	36094.35	36097.83
8.5	35998.21	35999.16	36000.51	36004.22	36008.13	36011.98	36015.53	36018.52	36020.68	36024.85
9.0	35919.58	35920.95	35922.66	35926.35	35930.10	35933.66	35936.77	35939.16	35940.58	35945.40
9.5	35833.52	35834.46	35835.84	35839.91	35844.19	35848.36	35852.13	35855.19	35857.25	35862.01
10.0	35740.12	35740.52	35741.50	35746.02	35750.89	35755.79	35760.34	35764.22	35767.07	35771.86
10.5	35639.45	35639.88	35640.91	35645.66	35650.77	35655.85	35660.52	35664.41	35667.15	35672.84
11.0	35531.09	35531.64	35532.80	35537.68	35542.85	35547.93	35552.49	35556.16	35558.55	35565.33
11.5	35414.88	35415.42	35416.55	35421.37	35426.45	35431.40	35435.80	35439.27	35441.38	35449.03
12.0	35290.04	35290.50	35291.54	35296.28	35301.27	35306.11	35310.38	35313.67	35315.59	35323.98
12.5	35155.32	35155.57	35156.45	35161.31	35166.47	35171.48	35175.93	35179.38	35181.41	35190.34
13.0	35012.04	35012.10	35012.80	35017.76	35023.03	35028.14	35032.65	35036.10	35038.05	35047.44
13.5	34862.27	34862.41	34863.12	34867.93	34872.92	34877.60	34881.51	34884.17	34885.12	34895.11
14.0	34702.48	34702.56	34703.13	34707.73	34712.39	34716.60	34719.86	34721.68	34721.56	34732.12
14.5	34529.19	34528.54	34528.43	34532.96	34537.59	34541.79	34545.00	34546.69	34546.34	34557.23
15.0	34344.40	34342.86	34341.94	34346.29	34350.81	34354.93	34358.05	34359.59	34358.98	34370.37
15.5	34149.38	34147.53	34146.23	34150.16	34154.18	34157.65	34159.99	34160.58	34158.84	34171.34
16.0	33942.89	33940.10	33937.83	33941.05	33944.33	33947.03	33948.52	33948.20	33945.44	33959.20
16.5	33723.95	33718.56	33713.84	33716.01	33718.50	33720.65	33721.82	33721.35	33718.60	33732.91
17.0	33493.16	33483.69	33475.14	33475.70	33477.07	33478.55	33479.46	33479.10	33476.79	33492.56
17.5	33253.34	33236.86	33221.71	33219.45	33218.81	33219.07	33219.48	33219.29	33217.78	33237.39
18.0	32996.91	32974.25	32953.27	32948.43	32945.91	32944.93	32944.70	32944.44	32943.35	32968.93
18.5	32714.76	32691.43	32669.79	32664.43	32661.38	32659.80	32658.89	32657.82	32655.77	32691.47
19.0	32414.20	32391.56	32370.49	32364.98	32361.51	32359.24	32357.33	32354.94	32351.23	32396.04
19.5	32099.55	32075.59	32053.14	32046.63	32042.08	32038.61	32035.31	32031.31	32025.72	32072.68
20.0	31770.64	31745.68	31722.04	31713.98	31707.66	31702.20	31696.69	31690.26	31682.02	31728.53
20.5	31429.00	31404.63	31381.03	31370.54	31361.23	31352.36	31343.18	31332.92	31320.84	31367.23
21.0	31073.79	31051.55	31029.31	31016.19	31003.38	30990.34	30976.52	30961.36	30944.29	30989.31
21.5	30708.97	30691.98	30673.67	30657.61	30640.33	30621.63	30601.27	30579.02	30554.62	30595.76
22.0	30321.54	30309.57	30295.25	30277.97	30258.15	30235.73	30210.65	30182.82	30152.14	30188.82
22.5	29895.77	29884.90	29872.20	29859.09	29843.36	29824.46	29801.91	29775.17	29743.72	29777.05
23.0	29443.87	29432.58	29420.26	29411.71	29400.75	29386.35	29367.43	29342.96	29311.92	29342.54
23.5	28973.52	28961.46	28948.45	28940.05	28929.18	28914.60	28895.12	28869.56	28836.75	28865.34
24.0	28482.64	28469.37	28455.06	28445.39	28433.09	28416.90	28395.60	28367.96	28332.77	28360.05
24.5	27972.05	27957.34	27941.48	27930.59	27916.92	27899.17	27876.04	27846.28	27808.62	27835.60
25.0	27440.82	27424.76	27407.40	27395.00	27379.63	27359.96	27334.67	27302.46	27262.06	27289.01
25.5	26888.33	26871.61	26853.32	26839.13	26821.66	26799.60	26771.67	26736.58	26693.09	26719.49
26.0	26314.55	26297.26	26278.16	26262.37	26242.99	26218.71	26188.25	26150.34	26103.73	26129.33

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CANDELA TABULATION - (Cont.)

26.5	25718.43	25700.12	25679.87	25663.37	25643.04	25617.48	25585.30	25545.16	25495.69	25520.20
27.0	25102.33	25083.11	25061.86	25044.96	25024.02	24997.53	24964.00	24921.96	24869.97	24893.11
27.5	24468.10	24448.70	24427.18	24409.84	24388.26	24360.90	24326.21	24282.68	24228.84	24250.10
28.0	23816.17	23796.63	23774.84	23757.01	23734.76	23706.50	23670.68	23625.77	23570.25	23589.67
28.5	23146.98	23126.44	23103.54	23084.84	23061.58	23032.14	22994.93	22948.37	22890.91	22909.24
29.0	22462.33	22441.12	22417.39	22397.95	22373.77	22343.18	22304.55	22256.29	22196.80	22214.14
29.5	21764.05	21743.94	21721.01	21701.49	21676.81	21645.28	21605.24	21555.11	21493.27	21509.22
30.0	21052.43	21033.57	21011.61	20992.28	20967.41	20935.29	20894.24	20842.66	20778.93	20793.42
30.5	20326.03	20306.64	20284.15	20264.95	20240.21	20208.18	20167.16	20115.48	20051.49	20064.98
31.0	19591.86	19572.43	19549.91	19531.18	19506.89	19475.28	19434.58	19383.10	19319.13	19330.88
31.5	18858.08	18841.59	18821.73	18804.31	18780.88	18749.65	18708.87	18656.81	18591.79	18599.22
32.0	18119.72	18106.61	18089.84	18074.01	18051.68	18021.05	17980.35	17927.87	17861.92	17864.86
32.5	17372.48	17361.13	17346.04	17331.67	17310.61	17281.02	17241.08	17189.03	17123.14	17123.73
33.0	16622.51	16612.35	16598.46	16585.44	16565.66	16537.24	16498.32	16447.09	16381.78	16380.75
33.5	15872.96	15863.66	15850.64	15838.75	15820.11	15792.79	15754.92	15704.67	15640.25	15637.24
34.0	15128.52	15120.13	15108.02	15097.06	15079.37	15053.03	15016.20	14967.05	14903.80	14899.85
34.5	14394.88	14388.40	14378.08	14367.68	14350.46	14324.61	14288.39	14240.08	14178.01	14176.14
35.0	13672.19	13667.15	13658.21	13648.44	13631.88	13606.82	13571.62	13524.64	13464.31	13464.64
35.5	12962.18	12956.30	12946.79	12938.20	12923.26	12900.23	12867.45	12823.25	12766.04	12765.57
36.0	12265.86	12258.77	12248.42	12241.25	12228.27	12207.69	12177.76	12136.79	12083.12	12081.38
36.5	11582.67	11575.41	11565.25	11559.79	11548.95	11530.91	11503.87	11466.08	11415.85	11414.26
37.0	10919.02	10912.34	10902.98	10898.97	10889.86	10873.80	10849.02	10813.74	10766.28	10765.13
37.5	10283.32	10278.62	10271.05	10267.43	10258.53	10242.62	10218.02	10183.07	10136.18	10135.35
38.0	9669.08	9666.27	9660.38	9656.91	9648.00	9632.05	9607.49	9572.82	9526.54	9525.72
38.5	9070.29	9067.44	9061.71	9058.79	9050.80	9036.20	9013.52	8981.29	8938.10	8936.21
39.0	8493.92	8490.74	8484.98	8482.76	8475.93	8463.01	8442.55	8413.15	8373.42	8370.63
39.5	7946.11	7943.69	7938.83	7937.55	7931.85	7920.30	7901.47	7874.00	7836.53	7834.46
40.0	7423.27	7421.71	7417.82	7417.44	7412.81	7402.49	7385.11	7359.33	7323.84	7322.70
40.5	6923.19	6921.97	6918.56	6918.78	6914.94	6905.66	6889.60	6865.46	6831.96	6830.77
41.0	6447.87	6446.71	6443.53	6444.15	6440.98	6432.68	6417.96	6395.57	6364.26	6362.91
41.5	5998.32	5996.98	5993.86	5994.82	5992.37	5985.26	5972.25	5952.15	5923.78	5922.47
42.0	5575.33	5573.50	5570.15	5571.13	5569.12	5562.95	5551.45	5533.52	5508.05	5507.55
42.5	5181.99	5178.82	5174.35	5174.48	5172.05	5165.95	5155.15	5138.60	5115.32	5118.28
43.0	4812.42	4808.55	4803.49	4802.97	4800.15	4794.04	4783.68	4768.13	4746.47	4751.91
43.5	4459.81	4457.97	4454.93	4455.30	4453.25	4447.85	4438.15	4423.27	4402.30	4404.55
44.0	4130.17	4130.53	4129.66	4130.94	4129.69	4124.98	4115.92	4101.66	4081.34	4079.80
44.5	3828.27	3828.31	3827.26	3828.01	3826.48	3821.86	3813.34	3800.18	3781.61	3780.42
45.0	3551.07	3550.66	3549.26	3549.32	3547.35	3542.64	3534.51	3522.30	3505.34	3505.05
45.5	3300.10	3301.60	3302.01	3302.38	3300.54	3295.85	3287.68	3275.43	3258.52	3256.69
46.0	3066.45	3069.14	3070.70	3071.25	3069.50	3064.86	3056.74	3044.60	3027.88	3024.98
46.5	2838.32	2837.99	2836.86	2836.33	2834.09	2829.57	2822.23	2811.54	2796.99	2796.45
47.0	2625.91	2622.11	2617.88	2616.15	2613.36	2609.00	2602.55	2593.49	2581.35	2583.46
47.5	2437.71	2433.27	2428.53	2426.36	2423.38	2419.12	2413.09	2404.87	2394.00	2396.36
48.0	2266.99	2262.75	2258.28	2256.00	2253.03	2248.94	2243.32	2235.78	2225.94	2227.71
48.5	2109.76	2105.58	2101.29	2099.20	2096.61	2093.13	2088.39	2082.05	2073.74	2074.58
49.0	1966.21	1962.24	1958.22	1956.27	1953.91	1950.80	1946.60	1940.99	1933.65	1933.82
49.5	1836.28	1832.80	1829.11	1826.67	1823.62	1819.64	1814.41	1807.66	1799.08	1800.03
50.0	1716.66	1713.50	1709.99	1707.06	1703.34	1698.56	1692.43	1684.68	1675.06	1677.04
50.5	1602.87	1599.22	1595.38	1592.50	1589.12	1584.98	1579.84	1573.47	1565.63	1567.85
51.0	1498.45	1494.12	1489.82	1487.13	1484.30	1481.09	1477.30	1472.73	1467.18	1469.54
51.5	1407.02	1402.12	1397.37	1394.65	1391.97	1389.13	1385.95	1382.23	1377.79	1380.77
52.0	1323.87	1318.88	1314.07	1311.43	1308.91	1306.34	1303.53	1300.30	1296.49	1299.80
52.5	1244.77	1240.99	1237.33	1235.25	1233.18	1230.95	1228.41	1225.39	1221.73	1224.09
53.0	1171.94	1169.50	1167.13	1165.65	1164.06	1162.19	1159.89	1157.01	1153.41	1154.68
53.5	1106.82	1104.74	1102.75	1101.55	1100.26	1098.72	1096.80	1094.36	1091.27	1092.27
54.0	1047.50	1045.52	1043.65	1042.65	1041.60	1040.38	1038.86	1036.89	1034.36	1035.34

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CANDELA TABULATION - (Cont.)

54.5	992.52	990.75	989.12	988.35	987.58	986.65	985.46	983.86	981.75	982.66
55.0	941.91	940.37	938.97	938.44	937.89	937.22	936.30	935.01	933.23	934.12
55.5	895.37	894.14	893.02	892.66	892.28	891.77	891.01	889.90	888.33	889.24
56.0	852.40	851.46	850.63	850.42	850.19	849.81	849.19	848.23	846.83	847.74
56.5	812.43	811.72	811.11	811.08	811.01	810.82	810.39	809.64	808.46	809.31
57.0	775.35	774.83	774.42	774.55	774.65	774.62	774.37	773.80	772.83	773.62
57.5	740.93	740.62	740.39	740.66	740.88	740.96	740.82	740.36	739.49	740.28
58.0	708.90	708.76	708.69	709.07	709.39	709.57	709.52	709.14	708.36	709.16
58.5	678.98	678.93	678.95	679.42	679.83	680.11	680.17	679.92	679.29	680.10
59.0	650.97	650.99	651.08	651.61	652.10	652.47	652.63	652.50	652.00	652.82
59.5	624.59	624.71	624.90	625.48	626.02	626.43	626.64	626.56	626.12	626.98
60.0	599.81	600.01	600.28	600.91	601.48	601.93	602.17	602.13	601.75	602.63
60.5	576.58	576.79	577.07	577.73	578.34	578.83	579.13	579.17	578.88	579.74
61.0	554.73	554.94	555.21	555.89	556.55	557.10	557.47	557.59	557.40	558.23
61.5	534.12	534.34	534.63	535.37	536.09	536.72	537.17	537.39	537.30	538.05
62.0	514.65	514.87	515.18	515.97	516.75	517.44	517.98	518.28	518.29	518.96
62.5	496.17	496.38	496.67	497.47	498.27	498.99	499.57	499.92	499.99	500.66
63.0	478.69	478.88	479.15	479.94	480.74	481.48	482.08	482.47	482.59	483.26
63.5	462.22	462.39	462.65	463.44	464.25	464.99	465.61	466.03	466.20	466.83
64.0	446.55	446.72	446.97	447.75	448.55	449.30	449.93	450.38	450.57	451.17
64.5	431.50	431.65	431.89	432.66	433.45	434.20	434.83	435.29	435.51	436.10
65.0	417.09	417.22	417.43	418.19	418.97	419.71	420.34	420.81	421.04	421.64
65.5	403.35	403.44	403.62	404.36	405.12	405.85	406.48	406.94	407.18	407.76
66.0	390.13	390.18	390.33	391.05	391.79	392.51	393.13	393.58	393.82	394.40
66.5	377.29	377.32	377.45	378.14	378.88	379.58	380.19	380.64	380.88	381.49
67.0	364.85	364.86	364.96	365.63	366.34	367.02	367.62	368.06	368.30	368.94
67.5	352.79	352.76	352.83	353.45	354.12	354.76	355.32	355.74	355.96	356.60
68.0	341.05	341.00	341.04	341.62	342.24	342.84	343.36	343.75	343.95	344.57
68.5	329.61	329.60	329.67	330.23	330.82	331.38	331.85	332.19	332.34	332.91
69.0	318.37	318.39	318.48	319.04	319.62	320.16	320.61	320.91	321.02	321.55
69.5	307.15	307.12	307.18	307.76	308.37	308.95	309.44	309.78	309.92	310.47
70.0	296.14	296.06	296.07	296.67	297.31	297.92	298.44	298.81	298.98	299.56
70.5	285.54	285.45	285.43	285.99	286.58	287.14	287.61	287.94	288.06	288.65
71.0	275.20	275.11	275.08	275.59	276.11	276.61	277.01	277.27	277.34	277.91
71.5	265.03	264.95	264.93	265.41	265.91	266.37	266.75	266.97	267.01	267.55
72.0	255.00	254.94	254.94	255.40	255.88	256.32	256.67	256.87	256.88	257.37
72.5	245.06	245.01	245.01	245.46	245.91	246.33	246.65	246.83	246.82	247.27
73.0	235.21	235.17	235.17	235.60	236.04	236.43	236.72	236.87	236.84	237.26
73.5	225.46	225.45	225.46	225.87	226.27	226.62	226.87	226.97	226.89	227.32
74.0	215.78	215.78	215.81	216.19	216.55	216.86	217.07	217.13	217.01	217.45
74.5	206.16	206.13	206.13	206.49	206.83	207.12	207.31	207.36	207.22	207.65
75.0	196.54	196.49	196.46	196.80	197.13	197.41	197.58	197.62	197.47	197.87
75.5	186.86	186.82	186.80	187.13	187.44	187.70	187.85	187.86	187.68	188.07
76.0	177.17	177.16	177.16	177.47	177.77	178.00	178.12	178.09	177.89	178.27
76.5	167.54	167.54	167.56	167.85	168.12	168.32	168.41	168.34	168.10	168.45
77.0	157.92	157.94	157.95	158.23	158.47	158.63	158.68	158.58	158.30	158.63
77.5	148.30	148.31	148.32	148.56	148.77	148.90	148.92	148.80	148.50	148.83
78.0	138.68	138.67	138.65	138.86	139.03	139.13	139.13	138.99	138.68	139.02
78.5	129.04	128.96	128.88	129.06	129.20	129.28	129.25	129.09	128.76	129.14
79.0	119.41	119.27	119.14	119.29	119.40	119.45	119.40	119.21	118.85	119.25
79.5	109.82	109.69	109.55	109.67	109.74	109.75	109.64	109.40	108.98	109.37
80.0	100.30	100.19	100.07	100.16	100.20	100.16	100.01	99.72	99.25	99.62
80.5	90.85	90.76	90.66	90.75	90.78	90.73	90.57	90.26	89.78	90.17
81.0	81.53	81.46	81.37	81.46	81.49	81.45	81.28	80.97	80.49	80.89
81.5	72.37	72.30	72.21	72.29	72.32	72.26	72.09	71.78	71.30	71.67
82.0	63.41	63.33	63.24	63.30	63.32	63.26	63.09	62.78	62.32	62.67

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82.5	54.69	54.59	54.47	54.52	54.53	54.46	54.31	54.03	53.62	53.92
83.0	46.24	46.12	45.99	46.04	46.06	46.02	45.91	45.68	45.34	45.60
83.5	38.00	37.90	37.80	37.90	37.98	38.01	37.97	37.83	37.57	37.82
84.0	30.25	30.20	30.15	30.33	30.50	30.63	30.69	30.67	30.53	30.76
84.5	23.19	23.17	23.18	23.47	23.77	24.05	24.28	24.44	24.49	24.66
85.0	17.11	17.14	17.21	17.60	18.02	18.43	18.82	19.14	19.38	19.48
85.5	12.46	12.58	12.75	13.21	13.69	14.18	14.63	15.03	15.34	15.44
86.0	8.94	9.13	9.36	9.82	10.30	10.78	11.23	11.62	11.94	12.05
86.5	6.49	6.60	6.74	7.07	7.42	7.77	8.09	8.37	8.58	8.67
87.0	4.90	4.91	4.94	5.12	5.30	5.48	5.65	5.79	5.88	5.94
87.5	4.04	4.04	4.04	4.12	4.20	4.28	4.35	4.41	4.45	4.47
88.0	3.60	3.60	3.61	3.63	3.65	3.68	3.70	3.71	3.72	3.73
88.5	3.17	3.18	3.21	3.25	3.29	3.33	3.36	3.39	3.42	3.43
89.0	2.88	2.91	2.94	3.01	3.08	3.15	3.21	3.27	3.31	3.33
89.5	2.71	2.74	2.76	2.82	2.87	2.92	2.97	3.01	3.04	3.06
90.0	2.68	2.69	2.69	2.70	2.71	2.72	2.73	2.73	2.72	2.73

**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	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36575.47	36575.55	36575.59	36575.63	36575.63	36575.70	36575.74	36575.77	36575.77	36575.72
1.0	36570.59	36570.63	36570.60	36570.52	36570.41	36570.48	36570.54	36570.57	36570.55	36570.48
1.5	36564.02	36563.89	36563.63	36563.29	36562.91	36562.91	36562.92	36562.92	36562.89	36562.81
2.0	36554.36	36554.00	36553.44	36552.77	36552.05	36551.97	36551.91	36551.88	36551.83	36551.75
2.5	36540.24	36539.52	36538.59	36537.54	36536.48	36536.27	36536.13	36536.06	36536.03	36536.02
3.0	36521.97	36521.11	36520.00	36518.77	36517.52	36517.25	36517.08	36516.99	36516.98	36517.02
3.5	36499.45	36499.22	36498.64	36497.84	36496.94	36496.82	36496.72	36496.63	36496.53	36496.42
4.0	36472.48	36472.89	36472.88	36472.57	36472.07	36472.20	36472.27	36472.28	36472.22	36472.09
4.5	36440.46	36440.70	36440.58	36440.23	36439.79	36440.22	36440.67	36441.11	36441.54	36441.91
5.0	36404.53	36404.50	36404.18	36403.73	36403.26	36403.95	36404.75	36405.62	36406.52	36407.43
5.5	36366.27	36366.40	36366.21	36365.84	36365.44	36366.17	36366.98	36367.86	36368.77	36369.66
6.0	36323.75	36324.23	36324.31	36324.14	36323.87	36324.66	36325.49	36326.33	36327.16	36327.96
6.5	36275.31	36276.35	36276.89	36277.09	36277.13	36278.28	36279.41	36280.51	36281.53	36282.45
7.0	36221.79	36223.30	36224.24	36224.77	36225.09	36226.62	36228.09	36229.48	36230.74	36231.84
7.5	36164.09	36165.61	36166.51	36166.99	36167.25	36168.95	36170.59	36172.15	36173.56	36174.79
8.0	36100.22	36101.74	36102.60	36103.02	36103.21	36105.04	36106.82	36108.52	36110.09	36111.46
8.5	36027.84	36029.86	36031.15	36031.92	36032.41	36034.42	36036.37	36038.20	36039.91	36041.43
9.0	35948.93	35951.41	35953.06	35954.14	35954.89	35957.14	35959.30	35961.35	35963.27	35965.02
9.5	35865.38	35867.63	35869.03	35869.88	35870.45	35873.04	35875.61	35878.12	35880.50	35882.72
10.0	35775.13	35777.18	35778.36	35778.98	35779.37	35782.28	35785.24	35788.17	35790.99	35793.64
10.5	35676.80	35679.41	35681.00	35681.90	35682.48	35685.55	35688.62	35691.62	35694.50	35697.21
11.0	35570.22	35573.57	35575.74	35577.09	35577.99	35581.19	35584.30	35587.30	35590.16	35592.86
11.5	35454.65	35458.62	35461.28	35463.02	35464.23	35467.59	35470.80	35473.88	35476.80	35479.57
12.0	35330.25	35334.77	35337.91	35340.06	35341.60	35345.23	35348.68	35351.95	35355.07	35358.02
12.5	35197.09	35202.07	35205.65	35208.22	35210.19	35214.31	35218.27	35222.04	35225.63	35229.04
13.0	35054.64	35060.03	35064.00	35066.98	35069.35	35074.06	35078.61	35082.97	35087.15	35091.12
13.5	34902.79	34908.60	34912.94	34916.23	34918.93	34924.23	34929.37	34934.31	34939.04	34943.51
14.0	34740.27	34746.44	34751.09	34754.65	34757.61	34763.40	34769.03	34774.47	34779.68	34784.61
14.5	34565.64	34572.02	34576.83	34580.54	34583.62	34589.54	34595.34	34600.97	34606.44	34611.70
15.0	34379.16	34385.87	34390.94	34394.87	34398.13	34404.23	34410.21	34416.06	34421.80	34427.39
15.5	34181.09	34188.60	34194.37	34198.90	34202.72	34209.53	34216.18	34222.66	34228.97	34235.09
16.0	33970.03	33978.43	33984.95	33990.12	33994.49	34001.97	34009.23	34016.29	34023.12	34029.71
16.5	33744.15	33752.86	33759.60	33764.94	33769.45	33777.05	33784.47	33791.72	33798.82	33805.79
17.0	33504.97	33514.58	33521.98	33527.75	33532.50	33539.98	33547.19	33554.19	33561.08	33567.94
17.5	33252.96	33265.10	33274.45	33281.61	33287.25	33294.73	33301.57	33307.95	33314.07	33320.13

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CANDELA TABULATION - (Cont.)

18.0	32989.42	33005.48	33017.76	33026.94	33033.70	33040.54	33046.09	33050.75	33054.90	33058.94
18.5	32720.22	32742.72	32759.66	32771.75	32779.72	32783.89	32785.52	32785.46	32784.50	32783.48
19.0	32432.20	32460.47	32481.57	32496.27	32505.32	32507.08	32505.21	32500.96	32495.53	32490.13
19.5	32110.55	32140.13	32162.21	32177.61	32187.14	32189.05	32187.27	32183.09	32177.83	32172.77
20.0	31766.05	31795.44	31817.51	31833.14	31843.18	31846.38	31846.19	31843.87	31840.71	31837.96
20.5	31404.98	31434.91	31457.83	31474.59	31486.04	31490.66	31492.17	31491.86	31491.01	31490.92
21.0	31026.16	31055.66	31078.66	31096.03	31108.63	31115.75	31120.23	31123.24	31125.97	31129.60
21.5	30629.28	30656.18	30677.44	30694.07	30707.10	30719.66	30730.41	30740.05	30749.28	30758.79
22.0	30217.96	30240.82	30258.66	30272.75	30284.39	30301.51	30317.76	30333.33	30348.40	30363.19
22.5	29801.35	29818.36	29829.81	29837.50	29843.23	29859.46	29875.64	29891.78	29907.91	29924.04
23.0	29362.53	29374.08	29379.42	29380.77	29380.42	29394.47	29409.15	29424.39	29440.17	29456.41
23.5	28883.08	28892.29	28895.32	28894.54	28892.33	28906.09	28920.83	28936.43	28952.78	28969.76
24.0	28376.62	28384.83	28387.02	28385.59	28382.93	28396.75	28411.73	28427.72	28444.57	28462.11
24.5	27851.79	27859.56	27861.30	27859.41	27856.37	27870.18	27885.23	27901.36	27918.40	27936.18
25.0	27305.07	27312.64	27314.13	27311.96	27308.60	27322.14	27336.93	27352.82	27369.67	27387.32
25.5	26735.00	26742.01	26742.89	26740.08	26736.03	26748.41	26762.04	26776.83	26792.69	26809.52
26.0	26144.01	26150.16	26150.18	26146.47	26141.51	26152.68	26165.13	26178.81	26193.68	26209.68
26.5	25533.66	25538.50	25537.19	25532.22	25526.12	25536.99	25549.30	25562.97	25577.91	25594.05
27.0	24905.05	24908.32	24905.45	24899.00	24891.56	24902.02	24914.09	24927.65	24942.58	24958.73
27.5	24260.20	24261.67	24257.04	24248.87	24239.78	24248.57	24259.06	24271.15	24284.71	24299.65
28.0	23598.02	23597.79	23591.51	23581.76	23571.13	23578.31	23587.26	23597.86	23610.03	23623.65
28.5	22916.50	22915.25	22908.01	22897.39	22886.00	22893.15	22902.13	22912.77	22924.89	22938.32
29.0	22220.40	22218.15	22209.96	22198.43	22186.23	22193.16	22201.98	22212.44	22224.32	22237.39
29.5	21514.03	21510.25	21500.46	21487.28	21473.35	21478.21	21484.94	21493.37	21503.31	21514.59
30.0	20796.65	20791.17	20779.58	20764.47	20748.52	20750.79	20754.91	20760.79	20768.32	20777.43
30.5	20066.97	20060.03	20046.79	20029.88	20011.98	20012.01	20013.87	20017.51	20022.91	20030.03
31.0	19331.01	19322.13	19306.88	19287.91	19267.95	19265.88	19265.67	19267.32	19270.83	19276.19
31.5	18595.40	18582.95	18564.47	18542.61	18520.07	18515.89	18513.81	18513.80	18515.82	18519.82
32.0	17857.06	17841.10	17819.56	17795.08	17770.31	17764.67	17761.43	17760.43	17761.55	17764.63
32.5	17113.90	17096.21	17073.25	17047.64	17022.04	17016.86	17014.18	17013.69	17015.08	17018.03
33.0	16369.55	16350.74	16326.89	16300.63	16274.60	16270.04	16268.04	16268.15	16269.89	16272.80
33.5	15624.27	15603.90	15578.70	15551.28	15524.27	15519.10	15516.64	15516.39	15517.84	15520.49
34.0	14886.10	14865.06	14839.25	14811.22	14783.54	14776.80	14772.73	14770.89	14770.84	14772.16
34.5	14164.59	14145.64	14121.61	14094.83	14067.66	14057.61	14049.54	14043.31	14038.76	14035.73
35.0	13455.40	13438.67	13416.53	13391.12	13364.57	13351.30	13339.31	13328.71	13319.61	13312.13
35.5	12755.78	12738.68	12716.27	12690.60	12663.72	12649.49	12636.37	12624.49	12613.96	12604.91
36.0	12070.53	12052.56	12029.42	12003.13	11975.72	11961.13	11947.62	11935.26	11924.10	11914.18
36.5	11403.51	11385.53	11362.28	11335.73	11307.88	11292.46	11277.94	11264.36	11251.78	11240.27
37.0	10754.77	10737.09	10714.02	10687.49	10659.46	10643.27	10627.75	10613.00	10599.10	10586.13
37.5	10125.51	10108.46	10086.05	10060.12	10032.55	10015.64	9999.24	9983.50	9968.60	9954.66
38.0	9516.20	9499.71	9478.00	9452.82	9425.97	9408.82	9392.09	9375.98	9360.67	9346.38
38.5	8926.09	8909.42	8887.89	8863.18	8837.03	8820.99	8805.44	8790.48	8776.21	8762.74
39.0	8360.04	8343.26	8321.94	8297.73	8272.31	8257.47	8243.20	8229.50	8216.36	8203.78
39.5	7824.65	7808.68	7788.14	7764.64	7739.82	7724.94	7710.49	7696.50	7683.00	7670.02
40.0	7313.87	7298.87	7279.27	7256.61	7232.48	7217.56	7202.92	7188.64	7174.79	7161.44
40.5	6822.19	6807.72	6788.85	6767.10	6744.00	6730.13	6716.58	6703.37	6690.53	6678.10
41.0	6354.56	6340.64	6322.61	6301.91	6280.02	6267.39	6255.13	6243.21	6231.62	6220.34
41.5	5914.55	5901.37	5884.30	5864.72	5844.05	5832.17	5820.66	5809.48	5798.62	5788.07
42.0	5500.75	5488.93	5473.36	5455.33	5436.15	5424.92	5413.94	5403.22	5392.77	5382.61
42.5	5114.93	5106.45	5094.01	5078.77	5061.94	5051.20	5040.25	5029.21	5018.20	5007.34
43.0	4751.21	4745.43	4735.64	4722.93	4708.36	4698.53	4688.19	4677.54	4666.75	4656.02
43.5	4401.62	4394.53	4384.29	4371.94	4358.50	4350.96	4343.49	4336.12	4328.93	4321.94
44.0	4074.14	4065.31	4054.30	4042.07	4029.61	4024.52	4020.13	4016.31	4012.95	4009.93
44.5	3775.62	3768.05	3758.58	3748.08	3737.41	3733.71	3730.60	3727.94	3725.54	3723.23
45.0	3501.46	3495.33	3487.45	3478.59	3469.56	3467.15	3465.19	3463.46	3461.74	3459.83
45.5	3251.78	3244.64	3236.11	3227.04	3218.29	3218.19	3218.91	3220.08	3221.27	3222.10

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46.0	3019.25	3011.56	3002.79	2993.83	2985.56	2987.22	2990.00	2993.41	2996.92	3000.04
46.5	2793.54	2788.91	2783.23	2777.16	2771.38	2772.28	2773.89	2775.93	2778.10	2780.11
47.0	2583.67	2582.40	2580.07	2577.11	2573.95	2573.84	2573.96	2574.25	2574.69	2575.24
47.5	2397.14	2396.71	2395.42	2393.64	2391.72	2392.47	2393.43	2394.56	2395.82	2397.18
48.0	2228.19	2227.72	2226.65	2225.32	2224.07	2225.94	2228.16	2230.62	2233.22	2235.85
48.5	2074.42	2073.58	2072.37	2071.09	2070.06	2072.17	2074.75	2077.66	2080.80	2084.04
49.0	1933.25	1932.20	1930.96	1929.80	1929.02	1931.36	1934.23	1937.52	1941.09	1944.82
49.5	1800.36	1800.32	1800.15	1800.11	1800.45	1803.83	1807.70	1811.92	1816.32	1820.74
50.0	1678.46	1679.54	1680.51	1681.57	1682.95	1687.10	1691.64	1696.43	1701.30	1706.10
50.5	1569.53	1570.87	1572.04	1573.22	1574.62	1578.07	1581.84	1585.83	1589.97	1594.15
51.0	1471.38	1472.85	1474.09	1475.25	1476.48	1478.85	1481.44	1484.26	1487.29	1490.53
51.5	1383.34	1385.56	1387.51	1389.27	1390.92	1392.50	1394.14	1395.90	1397.89	1400.18
52.0	1302.78	1305.45	1307.84	1309.99	1311.91	1313.06	1314.15	1315.31	1316.68	1318.39
52.5	1226.10	1227.84	1229.37	1230.79	1232.17	1233.77	1235.48	1237.34	1239.41	1241.74
53.0	1155.56	1156.17	1156.68	1157.22	1157.94	1160.09	1162.54	1165.24	1168.16	1171.25
53.5	1092.89	1093.27	1093.56	1093.91	1094.45	1096.46	1098.77	1101.34	1104.13	1107.09
54.0	1035.96	1036.36	1036.66	1036.99	1037.48	1039.17	1041.14	1043.33	1045.74	1048.33
54.5	983.23	983.57	983.80	984.05	984.44	985.97	987.74	989.73	991.91	994.26
55.0	934.66	934.97	935.16	935.35	935.66	937.02	938.59	940.36	942.30	944.40
55.5	889.80	890.12	890.32	890.49	890.73	891.85	893.14	894.59	896.21	897.98
56.0	848.33	848.67	848.88	849.03	849.23	850.11	851.14	852.30	853.62	855.08
56.5	809.86	810.18	810.37	810.50	810.66	811.43	812.32	813.34	814.49	815.76
57.0	774.13	774.42	774.57	774.67	774.79	775.47	776.26	777.15	778.15	779.26
57.5	740.78	741.05	741.18	741.23	741.28	741.79	742.38	743.06	743.84	744.72
58.0	709.66	709.93	710.04	710.05	710.02	710.37	710.76	711.24	711.80	712.46
58.5	680.61	680.88	680.98	680.97	680.92	681.17	681.46	681.80	682.21	682.71
59.0	653.34	653.63	653.74	653.73	653.66	653.83	654.02	654.25	654.53	654.88
59.5	627.54	627.87	628.01	628.02	627.94	627.99	628.03	628.09	628.19	628.36
60.0	603.23	603.59	603.76	603.77	603.69	603.62	603.52	603.43	603.37	603.38
60.5	580.34	580.69	580.85	580.86	580.75	580.62	580.45	580.27	580.13	580.04
61.0	558.78	559.10	559.23	559.20	559.06	558.89	558.67	558.45	558.25	558.10
61.5	538.52	538.77	538.81	538.71	538.50	538.30	538.05	537.80	537.57	537.38
62.0	519.36	519.53	519.51	519.34	519.06	518.83	518.56	518.29	518.03	517.81
62.5	501.06	501.22	501.20	501.03	500.75	500.49	500.18	499.86	499.55	499.27
63.0	483.66	483.84	483.83	483.67	483.40	483.11	482.77	482.40	482.05	481.72
63.5	467.20	467.35	467.32	467.15	466.86	466.56	466.21	465.84	465.47	465.13
64.0	451.51	451.64	451.59	451.40	451.09	450.79	450.44	450.07	449.69	449.34
64.5	436.45	436.59	436.55	436.37	436.08	435.75	435.38	434.97	434.57	434.19
65.0	422.00	422.15	422.13	421.97	421.69	421.35	420.96	420.53	420.11	419.70
65.5	408.11	408.25	408.23	408.06	407.78	407.46	407.09	406.69	406.29	405.91
66.0	394.74	394.88	394.85	394.68	394.40	394.11	393.76	393.39	393.02	392.66
66.5	381.86	382.03	382.02	381.88	381.62	381.32	380.97	380.59	380.20	379.82
67.0	369.34	369.54	369.57	369.45	369.21	368.91	368.56	368.16	367.76	367.37
67.5	357.02	357.23	357.27	357.16	356.94	356.67	356.34	355.97	355.59	355.22
68.0	344.97	345.18	345.22	345.12	344.92	344.68	344.38	344.05	343.70	343.36
68.5	333.27	333.45	333.47	333.37	333.17	332.96	332.70	332.41	332.10	331.80
69.0	321.88	322.02	322.02	321.90	321.68	321.48	321.24	320.96	320.68	320.40
69.5	310.80	310.94	310.92	310.76	310.50	310.24	309.93	309.59	309.24	308.91
70.0	299.91	300.05	300.01	299.83	299.53	299.21	298.84	298.44	298.04	297.67
70.5	289.00	289.14	289.12	288.95	288.68	288.40	288.07	287.71	287.35	287.01
71.0	278.26	278.41	278.39	278.25	278.01	277.78	277.51	277.21	276.91	276.62
71.5	267.86	267.99	267.96	267.80	267.56	267.34	267.09	266.81	266.52	266.25
72.0	257.65	257.75	257.70	257.52	257.26	257.05	256.80	256.54	256.27	256.01
72.5	247.51	247.58	247.50	247.32	247.05	246.87	246.65	246.43	246.19	245.97
73.0	237.47	237.52	237.43	237.23	236.97	236.81	236.62	236.42	236.22	236.03
73.5	227.54	227.60	227.52	227.33	227.08	226.91	226.71	226.50	226.28	226.07

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74.0	217.68	217.75	217.68	217.51	217.26	217.07	216.85	216.62	216.38	216.15
74.5	207.87	207.92	207.84	207.65	207.39	207.20	206.97	206.73	206.49	206.27
75.0	198.08	198.12	198.02	197.82	197.54	197.34	197.11	196.88	196.64	196.42
75.5	188.27	188.31	188.21	188.02	187.75	187.54	187.31	187.07	186.83	186.60
76.0	178.46	178.50	178.40	178.21	177.96	177.75	177.51	177.27	177.03	176.81
76.5	168.62	168.64	168.55	168.35	168.10	167.90	167.67	167.44	167.22	167.01
77.0	158.79	158.80	158.70	158.51	158.25	158.05	157.84	157.61	157.40	157.20
77.5	148.99	149.02	148.93	148.75	148.51	148.28	148.04	147.79	147.54	147.32
78.0	139.20	139.24	139.17	139.01	138.78	138.53	138.25	137.96	137.68	137.43
78.5	129.35	129.42	129.37	129.23	129.00	128.75	128.45	128.15	127.85	127.58
79.0	119.49	119.58	119.55	119.42	119.21	118.95	118.66	118.35	118.05	117.77
79.5	109.60	109.68	109.65	109.52	109.31	109.07	108.80	108.51	108.23	107.98
80.0	99.83	99.91	99.87	99.74	99.54	99.32	99.07	98.81	98.56	98.33
80.5	90.39	90.48	90.46	90.34	90.15	89.95	89.71	89.46	89.21	88.98
81.0	81.13	81.23	81.23	81.13	80.96	80.76	80.54	80.30	80.05	79.83
81.5	71.91	72.02	72.02	71.94	71.79	71.62	71.42	71.20	70.98	70.77
82.0	62.89	62.99	63.01	62.94	62.82	62.67	62.49	62.30	62.10	61.91
82.5	54.12	54.21	54.23	54.17	54.07	53.93	53.77	53.59	53.41	53.24
83.0	45.77	45.85	45.86	45.81	45.71	45.58	45.43	45.27	45.11	44.95
83.5	37.97	38.05	38.05	37.99	37.90	37.77	37.63	37.47	37.32	37.18
84.0	30.89	30.95	30.93	30.86	30.74	30.63	30.49	30.35	30.21	30.08
84.5	24.72	24.71	24.64	24.52	24.37	24.27	24.16	24.05	23.93	23.82
85.0	19.49	19.42	19.30	19.14	18.96	18.88	18.80	18.71	18.61	18.51
85.5	15.45	15.39	15.28	15.13	14.96	14.89	14.82	14.74	14.65	14.55
86.0	12.08	12.04	11.96	11.84	11.69	11.64	11.57	11.49	11.40	11.29
86.5	8.69	8.67	8.60	8.51	8.41	8.35	8.28	8.21	8.12	8.03
87.0	5.95	5.94	5.90	5.84	5.77	5.71	5.65	5.59	5.52	5.45
87.5	4.48	4.47	4.45	4.42	4.39	4.36	4.33	4.29	4.26	4.22
88.0	3.73	3.73	3.72	3.71	3.70	3.70	3.69	3.69	3.68	3.68
88.5	3.44	3.44	3.43	3.42	3.41	3.41	3.41	3.41	3.40	3.40
89.0	3.34	3.35	3.34	3.33	3.31	3.30	3.30	3.29	3.28	3.27
89.5	3.07	3.07	3.06	3.05	3.04	3.04	3.03	3.02	3.01	3.00
90.0	2.74	2.74	2.74	2.73	2.73	2.72	2.72	2.71	2.71	2.70

**Vert.
Angles**

Horizontal Angles

	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36575.64	36575.29	36574.92	36574.57	36574.27	36574.05	36573.94	36574.39	36574.95	36575.58
1.0	36570.36	36569.81	36569.24	36568.70	36568.22	36567.87	36567.67	36568.31	36569.11	36570.02
1.5	36562.67	36562.11	36561.52	36560.94	36560.42	36560.02	36559.75	36560.19	36560.79	36561.49
2.0	36551.64	36551.18	36550.69	36550.20	36549.76	36549.39	36549.13	36549.32	36549.64	36550.05
2.5	36536.02	36535.76	36535.50	36535.27	36535.08	36534.95	36534.88	36535.20	36535.59	36536.02
3.0	36517.08	36516.97	36516.89	36516.84	36516.83	36516.88	36516.98	36517.45	36517.96	36518.47
3.5	36496.30	36495.96	36495.63	36495.31	36495.04	36494.84	36494.73	36495.14	36495.63	36496.13
4.0	36471.89	36471.42	36470.91	36470.40	36469.92	36469.51	36469.19	36469.48	36469.86	36470.28
4.5	36442.24	36442.30	36442.30	36442.25	36442.18	36442.10	36442.02	36442.18	36442.35	36442.48
5.0	36408.30	36408.93	36409.48	36409.96	36410.34	36410.63	36410.82	36410.85	36410.78	36410.61
5.5	36370.53	36371.24	36371.88	36372.41	36372.85	36373.17	36373.34	36373.21	36372.94	36372.54
6.0	36328.71	36329.33	36329.87	36330.30	36330.63	36330.82	36330.87	36330.62	36330.23	36329.71
6.5	36283.27	36283.75	36284.11	36284.33	36284.43	36284.41	36284.27	36284.07	36283.76	36283.34
7.0	36232.75	36233.10	36233.27	36233.26	36233.12	36232.87	36232.53	36232.39	36232.19	36231.89
7.5	36175.80	36176.05	36176.07	36175.89	36175.57	36175.14	36174.64	36174.45	36174.21	36173.90
8.0	36112.59	36112.90	36112.96	36112.80	36112.48	36112.02	36111.48	36111.17	36110.81	36110.38
8.5	36042.74	36043.56	36044.16	36044.52	36044.66	36044.60	36044.34	36043.80	36043.09	36042.25
9.0	35966.59	35967.95	35969.09	35969.98	35970.62	35970.98	35971.03	35970.38	35969.45	35968.30

CANDELA TABULATION - (Cont.)

9.5	35884.72	35886.16	35887.34	35888.23	35888.86	35889.22	35889.30	35888.98	35888.41	35887.61
10.0	35796.02	35797.50	35798.67	35799.55	35800.16	35800.52	35800.65	35800.74	35800.62	35800.27
10.5	35699.69	35701.51	35703.04	35704.30	35705.27	35705.98	35706.43	35706.64	35706.59	35706.29
11.0	35595.36	35597.58	35599.57	35601.30	35602.75	35603.92	35604.77	35605.13	35605.18	35604.92
11.5	35482.17	35484.72	35487.08	35489.21	35491.10	35492.71	35494.02	35494.88	35495.41	35495.59
12.0	35360.82	35363.71	35366.44	35368.95	35371.23	35373.23	35374.92	35376.24	35377.20	35377.76
12.5	35232.29	35235.61	35238.73	35241.59	35244.16	35246.41	35248.27	35249.53	35250.37	35250.77
13.0	35094.88	35098.59	35102.05	35105.20	35107.99	35110.40	35112.37	35113.54	35114.24	35114.49
13.5	34947.71	34951.57	34955.11	34958.31	34961.13	34963.59	34965.61	34967.12	34968.20	34968.83
14.0	34789.24	34793.36	34797.13	34800.54	34803.58	34806.23	34808.49	34810.43	34811.95	34813.02
14.5	34616.75	34621.75	34626.45	34630.82	34634.80	34638.34	34641.38	34643.56	34645.20	34646.29
15.0	34432.87	34438.75	34444.41	34449.76	34454.70	34459.16	34463.02	34465.51	34467.35	34468.56
15.5	34241.03	34247.13	34252.98	34258.49	34263.61	34268.27	34272.38	34275.55	34278.12	34280.05
16.0	34036.08	34042.46	34048.56	34054.32	34059.70	34064.65	34069.11	34073.01	34076.34	34079.05
16.5	33812.65	33820.12	33827.41	33834.41	33841.03	33847.18	33852.73	33857.13	33860.82	33863.82
17.0	33574.87	33583.40	33591.91	33600.24	33608.23	33615.71	33622.51	33627.39	33631.44	33634.69
17.5	33326.33	33335.16	33344.14	33353.04	33361.67	33369.83	33377.32	33382.55	33386.95	33390.53
18.0	33063.28	33072.09	33081.34	33090.78	33100.16	33109.24	33117.75	33124.00	33129.44	33134.05
18.5	32783.23	32791.52	32801.05	32811.43	32822.30	32833.30	32844.05	32852.91	32861.01	32868.20
19.0	32485.99	32494.23	32504.48	32516.28	32529.14	32542.59	32556.16	32568.68	32580.49	32591.21
19.5	32169.22	32178.79	32190.73	32204.58	32219.88	32236.17	32252.98	32271.25	32288.88	32305.18
20.0	31836.91	31849.07	31863.74	31880.43	31898.66	31917.95	31937.82	31960.17	31981.74	32001.63
20.5	31492.89	31510.33	31530.36	31552.19	31575.06	31598.18	31620.77	31640.43	31658.27	31673.78
21.0	31135.32	31156.96	31180.93	31206.23	31231.88	31256.93	31280.36	31295.74	31308.49	31318.56
21.5	30769.30	30789.17	30810.14	30831.58	30852.89	30873.45	30892.65	30906.06	30917.54	30927.11
22.0	30377.88	30394.90	30411.85	30428.53	30444.76	30460.36	30475.14	30487.73	30499.34	30509.98
22.5	29940.19	29957.33	29974.37	29991.16	30007.55	30023.41	30038.57	30052.04	30064.67	30076.48
23.0	29473.08	29490.99	29509.08	29527.15	29544.99	29562.42	29579.22	29594.15	29608.25	29621.48
23.5	28987.25	29005.50	29023.97	29042.47	29060.83	29078.87	29096.39	29112.48	29127.82	29142.38
24.0	28480.20	28498.72	28517.48	28536.32	28555.07	28573.58	28591.68	28608.71	28625.11	28640.78
24.5	27954.54	27973.25	27992.23	28011.31	28030.34	28049.17	28067.64	28085.03	28101.85	28118.04
25.0	27405.63	27424.50	27443.72	27463.11	27482.51	27501.77	27520.71	27538.43	27555.63	27572.29
25.5	26827.22	26846.37	26866.10	26886.21	26906.50	26926.78	26946.82	26965.41	26983.54	27001.18
26.0	26226.79	26246.04	26266.11	26286.77	26307.79	26328.94	26349.97	26369.57	26388.79	26407.57
26.5	25611.30	25630.22	25649.98	25670.38	25691.23	25712.34	25733.51	25754.00	25774.26	25794.20
27.0	24975.99	24994.28	25013.40	25033.22	25053.59	25074.38	25095.44	25116.79	25138.10	25159.23
27.5	24315.85	24333.25	24351.69	24371.04	24391.17	24411.98	24433.32	24455.68	24478.25	24500.80
28.0	23638.65	23654.88	23672.28	23690.78	23710.27	23730.67	23751.88	23774.80	23798.18	23821.78
28.5	22952.91	22967.44	22982.96	22999.45	23016.95	23035.44	23054.93	23076.99	23099.79	23123.09
29.0	22251.41	22264.32	22278.03	22292.64	22308.23	22324.90	22342.72	22363.77	22385.82	22408.60
29.5	21527.04	21539.09	21552.19	21566.40	21581.77	21598.38	21616.27	21637.49	21659.79	21682.89
30.0	20788.00	20799.38	20812.13	20826.27	20841.80	20858.74	20877.07	20898.60	20921.23	20944.68
30.5	20038.86	20049.39	20061.55	20075.31	20090.65	20107.52	20125.89	20147.34	20169.94	20193.39
31.0	19283.41	19292.84	19304.07	19317.05	19331.72	19348.02	19365.89	19386.65	19408.64	19431.56
31.5	18525.76	18533.76	18543.59	18555.17	18568.44	18583.33	18599.75	18618.40	18638.32	18659.31
32.0	17769.54	17775.43	17783.00	17792.22	17803.08	17815.55	17829.63	17846.12	17864.03	17883.19
32.5	17022.23	17024.26	17027.43	17031.98	17038.11	17046.04	17056.00	17071.83	17089.51	17108.62
33.0	16276.41	16274.94	16274.14	16274.45	16276.31	16280.18	16286.49	16301.96	16319.70	16339.06
33.5	15523.84	15521.72	15520.26	15519.90	15521.12	15524.38	15530.15	15544.80	15561.89	15580.86
34.0	14774.42	14772.39	14771.25	14771.37	14773.14	14776.95	14783.18	14796.75	14812.75	14830.78
34.5	14034.08	14031.59	14030.53	14031.10	14033.50	14037.94	14044.61	14056.62	14070.79	14086.83
35.0	13306.40	13302.92	13301.34	13301.72	13304.11	13308.56	13315.11	13325.46	13337.74	13351.71
35.5	12597.44	12591.76	12587.89	12585.95	12586.02	12588.23	12592.67	12601.53	12612.48	12625.27
36.0	11905.57	11897.33	11890.68	11885.82	11882.99	11882.40	11884.28	11891.92	11901.95	11914.07
36.5	11229.88	11219.13	11209.89	11202.46	11197.18	11194.36	11194.32	11201.60	11211.59	11223.90
37.0	10574.18	10561.66	10550.60	10541.39	10534.39	10529.99	10528.55	10535.24	10544.82	10556.85

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CANDELA TABULATION - (Cont.)

37.5	9941.87	9929.75	9919.18	9910.42	9903.73	9899.38	9897.62	9902.05	9909.03	9918.26
38.0	9333.28	9321.83	9311.94	9303.77	9297.48	9293.22	9291.16	9293.38	9297.79	9304.21
38.5	8750.16	8737.65	8726.38	8716.63	8708.64	8702.69	8699.01	8700.78	8704.87	8711.02
39.0	8191.76	8178.09	8165.35	8153.91	8144.14	8136.44	8131.17	8132.82	8136.96	8143.26
39.5	7657.58	7643.86	7631.06	7619.52	7609.59	7601.63	7595.97	7596.66	7599.72	7604.87
40.0	7148.67	7135.26	7122.80	7111.58	7101.89	7094.04	7088.32	7088.09	7090.06	7094.00
40.5	6666.11	6652.93	6640.54	6629.25	6619.38	6611.24	6605.15	6604.70	6606.37	6609.93
41.0	6209.36	6196.60	6184.46	6173.28	6163.38	6155.11	6148.81	6148.29	6149.82	6153.14
41.5	5777.80	5765.92	5754.61	5744.16	5734.90	5727.11	5721.11	5720.29	5721.33	5724.01
42.0	5372.75	5361.77	5351.36	5341.77	5333.27	5326.11	5320.55	5319.43	5319.99	5322.04
42.5	4996.75	4985.90	4975.68	4966.31	4958.03	4951.08	4945.69	4944.54	4945.01	4946.90
43.0	4645.53	4635.40	4625.90	4617.22	4609.57	4603.13	4598.11	4596.80	4596.95	4598.40
43.5	4315.23	4308.62	4302.41	4296.68	4291.53	4287.04	4283.29	4280.76	4279.08	4278.28
44.0	4007.12	4003.54	4000.08	3996.78	3993.66	3990.76	3988.10	3985.08	3982.47	3980.42
44.5	3720.86	3716.04	3711.20	3706.53	3702.26	3698.59	3695.74	3695.63	3696.46	3698.16
45.0	3457.50	3450.86	3444.01	3437.35	3431.30	3426.29	3422.71	3425.31	3429.44	3434.81
45.5	3222.17	3215.96	3209.07	3201.95	3195.09	3188.96	3184.05	3185.16	3187.69	3191.38
46.0	3002.24	2997.48	2991.72	2985.40	2978.96	2972.84	2967.47	2966.66	2966.90	2968.06
46.5	2781.68	2779.46	2776.73	2773.74	2770.71	2767.87	2765.47	2765.45	2766.04	2767.18
47.0	2575.85	2576.08	2576.38	2576.76	2577.28	2577.95	2578.81	2580.08	2581.57	2583.30
47.5	2398.59	2399.65	2400.73	2401.87	2403.09	2404.42	2405.86	2407.54	2409.38	2411.38
48.0	2238.40	2239.82	2241.11	2242.35	2243.57	2244.85	2246.24	2248.16	2250.24	2252.49
48.5	2087.26	2089.43	2091.49	2093.48	2095.44	2097.40	2099.40	2101.67	2104.01	2106.44
49.0	1948.57	1951.33	1954.01	1956.62	1959.17	1961.68	1964.18	1966.75	1969.33	1971.92
49.5	1825.05	1827.86	1830.44	1832.85	1835.15	1837.38	1839.61	1842.24	1844.91	1847.62
50.0	1710.68	1713.48	1715.98	1718.25	1720.39	1722.47	1724.57	1727.42	1730.35	1733.33
50.5	1598.30	1601.54	1604.69	1607.79	1610.88	1614.01	1617.21	1621.12	1625.09	1629.06
51.0	1493.98	1497.76	1501.72	1505.83	1510.06	1514.40	1518.81	1523.51	1528.20	1532.79
51.5	1402.86	1407.20	1411.90	1416.82	1421.85	1426.87	1431.74	1435.60	1439.21	1442.58
52.0	1320.56	1325.17	1330.20	1335.46	1340.78	1345.97	1350.84	1353.69	1356.11	1358.20
52.5	1244.39	1248.37	1252.61	1257.00	1261.42	1265.77	1269.94	1272.95	1275.70	1278.22
53.0	1174.48	1177.67	1180.94	1184.27	1187.63	1191.01	1194.38	1197.77	1201.10	1204.36
53.5	1110.17	1113.13	1116.15	1119.24	1122.37	1125.54	1128.73	1132.09	1135.42	1138.71
54.0	1051.07	1053.89	1056.82	1059.83	1062.92	1066.04	1069.19	1072.42	1075.61	1078.75
54.5	996.76	999.30	1001.95	1004.69	1007.50	1010.38	1013.31	1016.43	1019.55	1022.62
55.0	946.63	948.89	951.25	953.71	956.25	958.88	961.58	964.56	967.57	970.54
55.5	899.89	901.94	904.11	906.40	908.78	911.24	913.79	916.59	919.41	922.22
56.0	856.68	858.53	860.52	862.63	864.84	867.15	869.53	872.13	874.76	877.36
56.5	817.16	818.75	820.47	822.30	824.23	826.27	828.40	830.81	833.26	835.71
57.0	780.48	781.82	783.28	784.84	786.51	788.28	790.16	792.38	794.66	796.96
57.5	745.72	746.90	748.20	749.61	751.14	752.77	754.51	756.56	758.68	760.81
58.0	713.24	714.28	715.44	716.72	718.12	719.63	721.25	723.15	725.11	727.09
58.5	683.32	684.16	685.12	686.19	687.39	688.70	690.12	691.88	693.71	695.57
59.0	655.33	655.98	656.74	657.62	658.62	659.74	660.98	662.61	664.32	666.08
59.5	628.63	629.15	629.80	630.57	631.47	632.49	633.64	635.17	636.78	638.44
60.0	603.49	603.92	604.48	605.16	605.98	606.92	607.99	609.40	610.90	612.45
60.5	580.05	580.39	580.85	581.44	582.15	582.97	583.92	585.16	586.48	587.85
61.0	558.04	558.29	558.67	559.15	559.75	560.45	561.26	562.33	563.46	564.65
61.5	537.27	537.44	537.71	538.09	538.57	539.15	539.83	540.74	541.73	542.76
62.0	517.66	517.75	517.94	518.21	518.59	519.05	519.62	520.40	521.26	522.17
62.5	499.06	499.09	499.21	499.43	499.73	500.12	500.61	501.30	502.07	502.88
63.0	481.46	481.44	481.51	481.67	481.92	482.25	482.67	483.29	483.98	484.72
63.5	464.84	464.77	464.79	464.88	465.06	465.33	465.68	466.23	466.86	467.53
64.0	449.04	448.94	448.91	448.96	449.08	449.29	449.58	450.07	450.63	451.25
64.5	433.86	433.75	433.72	433.76	433.88	434.07	434.34	434.76	435.25	435.78
65.0	419.35	419.25	419.23	419.27	419.39	419.57	419.82	420.18	420.59	421.05

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CANDELA TABULATION - (Cont.)

65.5	405.57	405.47	405.44	405.47	405.56	405.71	405.92	406.22	406.56	406.94
66.0	392.34	392.23	392.19	392.20	392.27	392.39	392.56	392.80	393.08	393.39
66.5	379.48	379.37	379.32	379.32	379.38	379.48	379.64	379.83	380.07	380.34
67.0	367.01	366.90	366.84	366.84	366.89	366.99	367.13	367.29	367.50	367.73
67.5	354.89	354.79	354.75	354.75	354.81	354.90	355.03	355.17	355.33	355.53
68.0	343.06	342.98	342.94	342.95	343.00	343.09	343.21	343.32	343.46	343.63
68.5	331.53	331.41	331.34	331.30	331.31	331.36	331.44	331.56	331.71	331.90
69.0	320.13	320.00	319.90	319.84	319.82	319.84	319.90	320.03	320.19	320.39
69.5	308.61	308.52	308.48	308.49	308.53	308.61	308.72	308.83	308.97	309.13
70.0	297.34	297.30	297.32	297.39	297.50	297.65	297.81	297.90	298.00	298.11
70.5	286.71	286.67	286.68	286.74	286.84	286.96	287.10	287.17	287.26	287.36
71.0	276.36	276.31	276.30	276.33	276.39	276.48	276.58	276.64	276.72	276.81
71.5	266.01	265.96	265.96	265.99	266.05	266.14	266.23	266.29	266.35	266.43
72.0	255.79	255.75	255.75	255.78	255.84	255.92	256.01	256.07	256.13	256.21
72.5	245.78	245.72	245.69	245.70	245.73	245.79	245.86	245.94	246.03	246.14
73.0	235.85	235.77	235.72	235.70	235.71	235.74	235.80	235.91	236.03	236.17
73.5	225.88	225.80	225.75	225.73	225.73	225.77	225.83	225.94	226.08	226.23
74.0	215.94	215.86	215.82	215.81	215.83	215.87	215.95	216.07	216.20	216.36
74.5	206.06	205.99	205.96	205.97	206.00	206.07	206.16	206.29	206.45	206.62
75.0	196.22	196.17	196.15	196.17	196.23	196.31	196.42	196.57	196.74	196.92
75.5	186.41	186.38	186.38	186.42	186.50	186.60	186.72	186.86	187.02	187.18
76.0	176.62	176.60	176.62	176.68	176.77	176.88	177.02	177.15	177.29	177.44
76.5	166.84	166.82	166.85	166.91	167.00	167.12	167.26	167.41	167.58	167.74
77.0	157.04	157.02	157.05	157.12	157.21	157.34	157.48	157.66	157.84	158.03
77.5	147.14	147.14	147.19	147.28	147.40	147.55	147.72	147.89	148.07	148.25
78.0	137.22	137.24	137.31	137.43	137.58	137.75	137.94	138.10	138.27	138.43
78.5	127.36	127.38	127.45	127.58	127.74	127.92	128.12	128.28	128.44	128.60
79.0	117.54	117.56	117.64	117.77	117.93	118.12	118.32	118.48	118.63	118.79
79.5	107.77	107.81	107.90	108.04	108.21	108.40	108.60	108.75	108.89	109.03
80.0	98.15	98.20	98.29	98.43	98.60	98.78	98.98	99.10	99.23	99.35
80.5	88.80	88.82	88.89	88.99	89.13	89.28	89.44	89.55	89.66	89.77
81.0	79.63	79.63	79.66	79.73	79.83	79.95	80.07	80.16	80.26	80.35
81.5	70.59	70.58	70.61	70.67	70.75	70.85	70.96	71.04	71.11	71.19
82.0	61.75	61.75	61.78	61.83	61.91	62.00	62.10	62.16	62.22	62.28
82.5	53.10	53.10	53.13	53.19	53.27	53.35	53.45	53.49	53.54	53.59
83.0	44.82	44.83	44.87	44.93	45.00	45.09	45.18	45.21	45.25	45.29
83.5	37.06	37.08	37.13	37.20	37.28	37.36	37.45	37.47	37.48	37.50
84.0	29.97	29.98	30.01	30.07	30.13	30.19	30.25	30.25	30.23	30.22
84.5	23.71	23.65	23.60	23.56	23.52	23.48	23.45	23.39	23.33	23.27
85.0	18.41	18.27	18.13	17.98	17.84	17.70	17.57	17.45	17.35	17.26
85.5	14.43	14.26	14.07	13.88	13.69	13.50	13.32	13.18	13.06	12.95
86.0	11.17	11.00	10.81	10.61	10.41	10.22	10.03	9.90	9.79	9.68
86.5	7.93	7.80	7.67	7.54	7.40	7.27	7.15	7.08	7.01	6.95
87.0	5.38	5.31	5.25	5.19	5.13	5.08	5.04	5.02	5.01	5.00
87.5	4.19	4.16	4.14	4.11	4.09	4.08	4.07	4.06	4.06	4.07
88.0	3.67	3.67	3.66	3.66	3.65	3.65	3.65	3.64	3.64	3.64
88.5	3.39	3.38	3.37	3.35	3.34	3.33	3.31	3.30	3.30	3.29
89.0	3.25	3.23	3.21	3.18	3.16	3.13	3.11	3.09	3.07	3.05
89.5	2.99	2.98	2.96	2.94	2.92	2.91	2.89	2.87	2.86	2.84
90.0	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.69	2.68

**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>
0.0	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36576.22	36576.84	36577.41	36577.50	36577.51	36577.46	36577.38	36577.27	36577.17	36577.24

CANDELA TABULATION - (Cont.)

1.0	36570.95	36571.86	36572.70	36572.92	36573.02	36573.04	36572.99	36572.91	36572.81	36572.84
1.5	36562.26	36563.04	36563.80	36564.26	36564.65	36564.96	36565.20	36565.36	36565.44	36565.23
2.0	36550.52	36551.05	36551.59	36552.14	36552.68	36553.15	36553.56	36553.88	36554.07	36553.70
2.5	36536.47	36536.90	36537.29	36537.39	36537.43	36537.42	36537.38	36537.32	36537.24	36537.20
3.0	36518.93	36519.32	36519.59	36519.19	36518.69	36518.13	36517.58	36517.07	36516.68	36516.95
3.5	36496.61	36497.02	36497.31	36496.86	36496.30	36495.67	36495.04	36494.46	36493.97	36494.15
4.0	36470.69	36471.04	36471.30	36470.88	36470.35	36469.76	36469.14	36468.55	36468.01	36467.93
4.5	36442.57	36442.57	36442.48	36441.94	36441.30	36440.60	36439.87	36439.14	36438.45	36438.08
5.0	36410.33	36409.95	36409.46	36408.76	36407.98	36407.15	36406.29	36405.42	36404.56	36403.90
5.5	36372.03	36371.40	36370.69	36369.86	36368.96	36368.02	36367.06	36366.09	36365.14	36364.37
6.0	36329.07	36328.33	36327.50	36326.55	36325.56	36324.52	36323.44	36322.35	36321.27	36320.35
6.5	36282.80	36282.14	36281.37	36280.38	36279.28	36278.09	36276.82	36275.48	36274.10	36272.66
7.0	36231.48	36230.95	36230.28	36229.29	36228.14	36226.86	36225.45	36223.94	36222.30	36220.41
7.5	36173.52	36173.02	36172.41	36171.52	36170.50	36169.35	36168.07	36166.67	36165.16	36163.31
8.0	36109.88	36109.29	36108.61	36107.78	36106.86	36105.82	36104.67	36103.41	36102.05	36100.32
8.5	36041.27	36040.20	36039.05	36038.04	36036.97	36035.82	36034.58	36033.24	36031.80	36029.92
9.0	35966.96	35965.49	35963.93	35962.68	35961.38	35960.01	35958.55	35957.02	35955.37	35953.28
9.5	35886.60	35885.40	35884.03	35882.57	35880.98	35879.27	35877.45	35875.52	35873.52	35871.32
10.0	35799.69	35798.87	35797.80	35796.22	35794.42	35792.43	35790.28	35788.02	35785.66	35783.32
10.5	35705.73	35704.91	35703.85	35702.41	35700.75	35698.87	35696.79	35694.54	35692.14	35689.48
11.0	35604.38	35603.55	35602.46	35601.15	35599.60	35597.80	35595.77	35593.52	35591.05	35588.09
11.5	35495.41	35494.87	35493.95	35492.40	35490.50	35488.29	35485.80	35483.09	35480.18	35477.07
12.0	35377.91	35377.61	35376.84	35375.02	35372.78	35370.16	35367.25	35364.12	35360.81	35357.66
12.5	35250.74	35250.27	35249.34	35247.56	35245.39	35242.86	35240.06	35237.02	35233.82	35230.80
13.0	35114.30	35113.67	35112.63	35110.98	35108.98	35106.64	35104.04	35101.21	35098.20	35095.34
13.5	34969.02	34968.74	34968.01	34966.48	34964.53	34962.22	34959.61	34956.74	34953.67	34950.84
14.0	34813.63	34813.73	34813.34	34811.89	34809.98	34807.67	34805.01	34802.08	34798.94	34796.12
14.5	34646.85	34646.87	34646.35	34644.93	34643.04	34640.76	34638.15	34635.28	34632.23	34629.60
15.0	34469.15	34469.16	34468.59	34467.20	34465.34	34463.08	34460.50	34457.66	34454.66	34452.19
15.5	34281.34	34281.99	34281.98	34280.71	34278.85	34276.51	34273.77	34270.72	34267.47	34264.77
16.0	34081.10	34082.45	34083.06	34082.00	34080.27	34077.95	34075.16	34072.01	34068.61	34065.79
16.5	33866.09	33867.61	33868.39	33867.79	33866.51	33864.65	33862.30	33859.55	33856.50	33853.92
17.0	33637.16	33638.85	33639.81	33639.63	33638.82	33637.45	33635.63	33633.45	33630.98	33629.30
17.5	33393.34	33395.40	33396.75	33397.01	33396.70	33395.92	33394.79	33393.40	33391.88	33392.08
18.0	33137.84	33140.79	33142.90	33142.88	33142.23	33141.16	33139.90	33138.66	33137.65	33140.93
18.5	32874.30	32879.18	32882.70	32880.61	32877.53	32874.02	32870.62	32867.89	32866.37	32875.55
19.0	32600.48	32607.95	32613.24	32608.37	32601.91	32594.79	32587.98	32582.41	32579.05	32593.12
19.5	32319.44	32330.96	32339.04	32330.91	32320.00	32307.64	32295.21	32284.08	32275.61	32288.93
20.0	32018.94	32032.79	32042.28	32031.92	32017.91	32001.84	31985.33	31969.99	31957.45	31968.48
20.5	31686.47	31695.82	31701.32	31691.37	31678.46	31663.98	31649.33	31635.91	31625.12	31635.74
21.0	31325.91	31330.48	31332.23	31325.15	31316.18	31306.30	31296.48	31287.70	31280.95	31290.59
21.5	30934.83	30940.73	30944.86	30944.93	30943.71	30941.62	30939.12	30936.64	30934.62	30940.39
22.0	30519.65	30528.38	30536.20	30543.31	30549.51	30554.74	30559.01	30562.28	30564.54	30566.65
22.5	30087.48	30097.66	30107.04	30116.16	30124.39	30131.63	30137.80	30142.80	30146.55	30148.21
23.0	29633.82	29645.25	29655.75	29665.37	29674.00	29681.61	29688.16	29693.63	29697.98	29700.41
23.5	29156.08	29168.88	29180.73	29191.38	29200.99	29209.55	29217.03	29223.40	29228.66	29231.98
24.0	28655.66	28669.68	28682.75	28694.45	28705.12	28714.73	28723.26	28730.69	28737.02	28741.60
24.5	28133.54	28148.29	28162.25	28175.28	28187.40	28198.56	28208.71	28217.80	28225.79	28232.00
25.0	27588.38	27603.84	27618.66	27633.08	27646.73	27659.52	27671.38	27682.21	27691.94	27699.79
25.5	27018.30	27034.86	27050.85	27066.68	27081.80	27096.09	27109.45	27121.76	27132.94	27141.97
26.0	26425.89	26443.68	26460.92	26477.91	26494.19	26509.64	26524.16	26537.65	26549.99	26560.16
26.5	25813.70	25832.68	25851.03	25868.36	25884.91	25900.64	25915.48	25929.40	25942.35	25954.06
27.0	25179.99	25200.23	25219.79	25237.49	25254.34	25270.34	25285.50	25299.82	25313.32	25326.45
27.5	24523.13	24544.99	24566.19	24585.22	24603.35	24620.57	24636.88	24652.28	24666.76	24680.55
28.0	23845.32	23868.54	23891.19	23911.73	23931.39	23950.12	23967.88	23984.64	24000.34	24014.61
28.5	23146.63	23170.13	23193.35	23215.15	23236.29	23256.65	23276.11	23294.57	23311.90	23326.96

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CANDELA TABULATION - (Cont.)

29.0	22431.87	22455.37	22478.84	22501.53	22523.77	22545.39	22566.21	22586.06	22604.78	22620.59
29.5	21706.51	21730.37	21754.20	21776.96	21799.25	21820.93	21841.84	21861.85	21880.80	21897.15
30.0	20968.63	20992.79	21016.86	21039.41	21061.46	21082.88	21103.56	21123.40	21142.27	21158.98
30.5	20217.39	20241.61	20265.75	20288.31	20310.36	20331.80	20352.53	20372.43	20391.41	20408.15
31.0	19455.10	19478.97	19502.87	19525.50	19547.75	19569.46	19590.54	19610.83	19630.23	19647.12
31.5	18681.18	18703.71	18726.72	18750.29	18773.88	18797.23	18820.09	18842.20	18863.31	18880.80
32.0	17903.45	17924.63	17946.58	17969.80	17993.33	18016.91	18040.24	18063.05	18085.05	18103.86
32.5	17128.77	17149.55	17170.55	17188.12	17205.65	17223.30	17241.22	17259.56	17278.48	17300.96
33.0	16359.43	16380.17	16400.64	16413.59	16426.14	16438.78	16452.02	16466.38	16482.33	16506.94
33.5	15601.16	15622.24	15643.56	15660.54	15677.33	15694.07	15710.90	15727.96	15745.38	15764.87
34.0	14850.47	14871.42	14893.24	14915.06	14937.05	14958.90	14980.30	15000.96	15020.55	15034.67
34.5	14104.44	14123.33	14143.21	14163.78	14184.76	14205.84	14226.74	14247.17	14266.83	14282.14
35.0	13367.13	13383.78	13401.42	13419.42	13438.01	13457.00	13476.25	13495.57	13514.80	13532.78
35.5	12639.66	12655.39	12672.21	12689.19	12706.87	12725.12	12743.80	12762.78	12781.93	12801.01
36.0	11927.97	11943.35	11959.89	11976.20	11993.25	12010.94	12029.13	12047.73	12066.60	12085.94
36.5	11238.13	11253.88	11270.76	11286.64	11303.13	11320.14	11337.56	11355.29	11373.22	11391.26
37.0	10570.88	10586.46	10603.15	10618.51	10634.41	10650.74	10667.40	10684.26	10701.23	10717.68
37.5	9929.42	9942.21	9956.31	9970.59	9985.71	10001.50	10017.78	10034.40	10051.17	10067.03
38.0	9312.47	9322.40	9333.82	9346.79	9360.88	9375.86	9391.55	9407.72	9424.17	9439.66
38.5	8719.01	8728.60	8739.55	8751.03	8763.48	8776.78	8790.78	8805.35	8820.34	8835.33
39.0	8151.40	8161.04	8171.87	8182.00	8192.92	8204.56	8216.87	8229.79	8243.24	8257.63
39.5	7611.82	7620.29	7629.98	7639.43	7649.74	7660.81	7672.57	7684.93	7697.81	7711.27
40.0	7099.68	7106.86	7115.33	7124.18	7133.95	7144.55	7155.84	7167.73	7180.09	7192.56
40.5	6615.14	6621.75	6629.52	6637.22	6645.76	6655.06	6665.05	6675.66	6686.79	6698.44
41.0	6158.00	6164.13	6171.27	6177.84	6185.14	6193.13	6201.78	6211.05	6220.92	6231.78
41.5	5728.12	5733.42	5739.68	5745.58	5752.18	5759.46	5767.38	5775.90	5785.00	5794.98
42.0	5325.40	5329.88	5335.31	5340.67	5346.75	5353.49	5360.85	5368.78	5377.24	5386.39
42.5	4950.02	4954.20	4959.24	4964.10	4969.59	4975.69	4982.35	4989.53	4997.20	5005.53
43.0	4600.98	4604.55	4608.94	4613.25	4618.19	4623.72	4629.79	4636.39	4643.46	4651.31
43.5	4278.37	4279.38	4281.32	4284.68	4288.94	4294.04	4299.92	4306.53	4313.81	4322.49
44.0	3979.06	3978.54	3979.00	3981.90	3985.83	3990.71	3996.46	4003.00	4010.23	4018.92
44.5	3700.64	3703.82	3707.61	3712.05	3716.92	3722.11	3727.52	3733.04	3738.57	3743.16
45.0	3441.07	3447.92	3455.03	3460.82	3466.44	3471.78	3476.73	3481.18	3485.03	3485.80
45.5	3195.96	3201.15	3206.70	3211.17	3215.65	3220.07	3224.36	3228.46	3232.30	3234.12
46.0	2970.00	2972.57	2975.65	2978.43	2981.55	2984.97	2988.67	2992.61	2996.78	3000.63
46.5	2768.83	2770.92	2773.39	2775.99	2778.90	2782.09	2785.55	2789.24	2793.15	2797.20
47.0	2585.25	2587.43	2589.84	2592.67	2595.70	2598.91	2602.27	2605.74	2609.30	2613.06
47.5	2413.55	2415.89	2418.41	2421.38	2424.50	2427.74	2431.05	2434.40	2437.75	2441.05
48.0	2254.89	2257.45	2260.16	2263.26	2266.45	2269.71	2272.97	2276.21	2279.37	2282.15
48.5	2108.96	2111.56	2114.26	2117.32	2120.43	2123.56	2126.67	2129.70	2132.64	2135.19
49.0	1974.54	1977.19	1979.88	1982.85	1985.83	1988.80	1991.70	1994.52	1997.21	1999.57
49.5	1850.36	1853.11	1855.87	1858.78	1861.67	1864.49	1867.23	1869.84	1872.31	1874.39
50.0	1736.33	1739.32	1742.28	1745.16	1747.96	1750.64	1753.17	1755.55	1757.72	1759.45
50.5	1632.96	1636.73	1640.32	1643.34	1646.10	1648.60	1650.82	1652.77	1654.42	1655.42
51.0	1537.22	1541.41	1545.29	1548.32	1550.99	1553.29	1555.25	1556.86	1558.15	1558.78
51.5	1445.71	1448.62	1451.31	1453.76	1456.01	1458.09	1460.00	1461.75	1463.37	1465.10
52.0	1360.03	1361.67	1363.22	1365.15	1367.08	1369.00	1370.94	1372.90	1374.90	1377.67
52.5	1280.56	1282.74	1284.81	1287.01	1289.14	1291.18	1293.14	1295.03	1296.84	1298.94
53.0	1207.52	1210.55	1213.41	1216.00	1218.40	1220.59	1222.56	1224.31	1225.82	1226.96
53.5	1141.90	1144.96	1147.87	1150.44	1152.80	1154.94	1156.85	1158.51	1159.91	1160.86
54.0	1081.79	1084.71	1087.47	1089.91	1092.14	1094.16	1095.96	1097.53	1098.86	1099.81
54.5	1025.61	1028.48	1031.18	1033.48	1035.57	1037.44	1039.10	1040.54	1041.74	1042.67
55.0	973.45	976.24	978.87	981.02	982.96	984.69	986.20	987.51	988.61	989.51
55.5	924.96	927.59	930.07	932.10	933.94	935.58	937.03	938.27	939.30	940.15
56.0	879.92	882.37	884.70	886.63	888.38	889.95	891.33	892.51	893.50	894.27
56.5	838.12	840.44	842.65	844.48	846.13	847.61	848.91	850.01	850.91	851.56

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CANDELA TABULATION - (Cont.)

57.0	799.23	801.43	803.52	805.25	806.81	808.20	809.41	810.43	811.25	811.78
57.5	762.92	764.97	766.92	768.54	770.00	771.30	772.43	773.38	774.14	774.61
58.0	729.05	730.96	732.77	734.28	735.66	736.88	737.94	738.82	739.53	739.96
58.5	697.43	699.24	700.97	702.41	703.72	704.88	705.89	706.73	707.40	707.79
59.0	667.85	669.58	671.24	672.60	673.84	674.94	675.89	676.68	677.30	677.66
59.5	640.11	641.75	643.31	644.56	645.68	646.67	647.52	648.23	648.78	649.10
60.0	614.00	615.52	616.97	618.10	619.12	620.01	620.77	621.40	621.88	622.19
60.5	589.23	590.59	591.89	592.94	593.89	594.74	595.46	596.07	596.54	596.84
61.0	565.85	567.05	568.20	569.18	570.09	570.91	571.62	572.23	572.71	573.00
61.5	543.83	544.89	545.93	546.87	547.75	548.56	549.27	549.88	550.38	550.68
62.0	523.11	524.07	525.02	525.91	526.76	527.54	528.24	528.86	529.36	529.66
62.5	503.73	504.60	505.46	506.27	507.03	507.75	508.40	508.97	509.44	509.76
63.0	485.50	486.28	487.07	487.78	488.47	489.10	489.68	490.20	490.63	490.97
63.5	468.24	468.96	469.68	470.33	470.94	471.52	472.05	472.52	472.92	473.27
64.0	451.89	452.55	453.21	453.79	454.35	454.87	455.35	455.78	456.15	456.51
64.5	436.34	436.92	437.50	438.02	438.51	438.98	439.42	439.81	440.16	440.52
65.0	421.53	422.02	422.52	422.98	423.43	423.86	424.26	424.64	424.97	425.32
65.5	407.34	407.77	408.21	408.64	409.07	409.48	409.88	410.25	410.59	410.94
66.0	393.74	394.11	394.49	394.91	395.33	395.75	396.15	396.52	396.87	397.20
66.5	380.64	380.97	381.32	381.72	382.14	382.55	382.95	383.33	383.67	383.97
67.0	367.99	368.29	368.61	369.01	369.42	369.83	370.23	370.60	370.94	371.21
67.5	355.76	356.01	356.30	356.68	357.08	357.49	357.89	358.27	358.61	358.89
68.0	343.83	344.06	344.33	344.70	345.09	345.49	345.89	346.27	346.61	346.90
68.5	332.12	332.37	332.65	333.02	333.41	333.81	334.19	334.56	334.90	335.17
69.0	320.63	320.89	321.18	321.54	321.91	322.29	322.66	323.00	323.32	323.59
69.5	309.31	309.52	309.75	310.05	310.37	310.69	311.01	311.32	311.62	311.91
70.0	298.23	298.38	298.55	298.78	299.04	299.30	299.58	299.85	300.12	300.44
70.5	287.47	287.60	287.74	287.95	288.17	288.41	288.66	288.91	289.17	289.50
71.0	276.92	277.05	277.19	277.38	277.58	277.80	278.04	278.28	278.52	278.86
71.5	266.52	266.64	266.77	266.95	267.15	267.37	267.60	267.84	268.08	268.41
72.0	256.30	256.40	256.53	256.71	256.90	257.11	257.33	257.56	257.80	258.12
72.5	246.26	246.39	246.54	246.68	246.84	247.00	247.18	247.37	247.56	247.89
73.0	236.33	236.49	236.65	236.77	236.89	237.01	237.14	237.29	237.45	237.77
73.5	226.39	226.56	226.73	226.84	226.96	227.08	227.21	227.35	227.50	227.82
74.0	216.52	216.69	216.86	216.98	217.10	217.22	217.35	217.49	217.63	217.93
74.5	206.79	206.97	207.15	207.25	207.35	207.45	207.55	207.66	207.78	208.06
75.0	197.11	197.29	197.46	197.55	197.63	197.71	197.78	197.86	197.96	198.22
75.5	187.35	187.51	187.67	187.77	187.87	187.96	188.05	188.13	188.22	188.42
76.0	177.59	177.74	177.89	178.00	178.11	178.21	178.30	178.39	178.47	178.61
76.5	167.91	168.07	168.22	168.30	168.37	168.42	168.47	168.51	168.55	168.68
77.0	158.22	158.39	158.54	158.59	158.61	158.62	158.62	158.62	158.63	158.75
77.5	148.42	148.58	148.72	148.77	148.80	148.82	148.83	148.83	148.82	148.92
78.0	138.59	138.73	138.86	138.93	138.98	139.02	139.05	139.06	139.07	139.13
78.5	128.75	128.89	129.02	129.11	129.18	129.23	129.27	129.30	129.31	129.35
79.0	118.94	119.08	119.21	119.31	119.40	119.47	119.53	119.57	119.60	119.62
79.5	109.17	109.30	109.42	109.54	109.66	109.76	109.85	109.91	109.96	109.97
80.0	99.47	99.59	99.70	99.84	99.98	100.10	100.21	100.30	100.36	100.36
80.5	89.87	89.98	90.09	90.21	90.33	90.44	90.54	90.62	90.69	90.71
81.0	80.45	80.55	80.64	80.75	80.85	80.95	81.03	81.11	81.17	81.22
81.5	71.27	71.36	71.45	71.57	71.69	71.80	71.91	72.00	72.08	72.12
82.0	62.35	62.43	62.51	62.64	62.78	62.92	63.05	63.16	63.26	63.29
82.5	53.65	53.72	53.80	53.93	54.07	54.22	54.36	54.49	54.61	54.68
83.0	45.33	45.38	45.44	45.56	45.69	45.82	45.96	46.09	46.22	46.32
83.5	37.51	37.53	37.56	37.63	37.71	37.80	37.89	37.99	38.09	38.21
84.0	30.20	30.18	30.17	30.19	30.21	30.24	30.28	30.33	30.39	30.52
84.5	23.22	23.17	23.13	23.10	23.08	23.07	23.08	23.10	23.14	23.27

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CANDELA TABULATION - (Cont.)

85.0	17.18	17.10	17.03	16.96	16.90	16.85	16.82	16.81	16.82	16.92
85.5	12.85	12.74	12.64	12.52	12.39	12.28	12.17	12.07	11.99	11.99
86.0	9.57	9.46	9.35	9.20	9.05	8.89	8.73	8.58	8.44	8.34
86.5	6.90	6.84	6.79	6.70	6.62	6.53	6.45	6.37	6.29	6.23
87.0	5.00	5.00	5.01	5.01	5.01	5.01	5.01	5.01	5.02	5.03
87.5	4.08	4.09	4.10	4.11	4.12	4.14	4.15	4.17	4.19	4.20
88.0	3.64	3.65	3.65	3.65	3.66	3.66	3.67	3.67	3.68	3.68
88.5	3.28	3.27	3.26	3.25	3.24	3.22	3.21	3.20	3.19	3.18
89.0	3.04	3.02	3.00	2.98	2.95	2.93	2.90	2.87	2.85	2.83
89.5	2.83	2.81	2.79	2.78	2.76	2.74	2.72	2.70	2.69	2.67
90.0	2.68	2.67	2.67	2.67	2.67	2.67	2.68	2.68	2.69	2.68

**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	36578.20	36578.20	36578.20	36578.20	36578.20
0.5	36577.33	36577.45	36577.58	36577.73	36577.91
1.0	36572.88	36572.95	36573.04	36573.17	36573.34
1.5	36564.97	36564.69	36564.42	36564.20	36564.06
2.0	36553.23	36552.73	36552.21	36551.75	36551.39
2.5	36537.15	36537.12	36537.11	36537.13	36537.17
3.0	36517.34	36517.82	36518.33	36518.84	36519.33
3.5	36494.44	36494.81	36495.23	36495.66	36496.05
4.0	36467.94	36468.01	36468.12	36468.24	36468.38
4.5	36437.76	36437.49	36437.26	36437.05	36436.85
5.0	36403.28	36402.69	36402.12	36401.57	36401.05
5.5	36363.63	36362.91	36362.20	36361.49	36360.78
6.0	36319.44	36318.54	36317.64	36316.74	36315.83
6.5	36271.21	36269.75	36268.30	36266.90	36265.54
7.0	36218.46	36216.50	36214.56	36212.70	36210.95
7.5	36161.39	36159.45	36157.52	36155.64	36153.86
8.0	36098.52	36096.68	36094.84	36093.03	36091.29
8.5	36027.96	36025.96	36023.95	36021.98	36020.09
9.0	35951.13	35948.93	35946.73	35944.57	35942.49
9.5	35869.08	35866.82	35864.58	35862.39	35860.27
10.0	35780.96	35778.59	35776.23	35773.93	35771.69
10.5	35686.74	35683.95	35681.13	35678.34	35675.63
11.0	35584.98	35581.76	35578.50	35575.25	35572.07
11.5	35473.84	35470.53	35467.20	35463.88	35460.63
12.0	35354.43	35351.15	35347.86	35344.57	35341.31
12.5	35227.67	35224.46	35221.16	35217.77	35214.32
13.0	35092.34	35089.20	35085.88	35082.40	35078.74
13.5	34947.84	34944.66	34941.30	34937.75	34933.98
14.0	34793.14	34789.98	34786.63	34783.06	34779.26
14.5	34626.84	34623.89	34620.74	34617.36	34613.73
15.0	34449.58	34446.80	34443.81	34440.59	34437.09
15.5	34261.93	34258.93	34255.72	34252.29	34248.62
16.0	34062.80	34059.63	34056.23	34052.62	34048.75
16.5	33851.11	33848.03	33844.66	33840.97	33836.95
17.0	33627.37	33625.08	33622.37	33619.16	33615.36
17.5	33392.05	33391.59	33390.49	33388.58	33385.63
18.0	33144.24	33147.11	33149.12	33149.82	33148.77
18.5	32885.52	32895.28	32903.86	32910.27	32913.53
19.0	32608.85	32624.73	32639.27	32650.93	32658.24
19.5	32304.61	32320.98	32336.36	32349.06	32357.42
20.0	31982.25	31997.09	32011.32	32023.27	32031.26

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CANDELA TABULATION - (Cont.)

20.5	31648.83	31662.82	31676.12	31687.16	31694.37
21.0	31301.94	31313.68	31324.48	31333.04	31338.03
21.5	30946.34	30951.71	30955.78	30957.79	30957.02
22.0	30567.55	30567.07	30565.02	30561.24	30555.55
22.5	30148.56	30147.63	30145.45	30142.06	30137.50
23.0	29701.79	29702.21	29701.77	29700.58	29698.74
23.5	29234.27	29235.64	29236.21	29236.09	29235.38
24.0	28745.14	28747.73	28749.44	28750.36	28750.59
24.5	28237.11	28241.18	28244.26	28246.41	28247.69
25.0	27706.48	27712.05	27716.51	27719.91	27722.27
25.5	27149.79	27156.45	27161.99	27166.46	27169.91
26.0	26569.13	26576.94	26583.65	26589.32	26593.99
26.5	25964.75	25974.37	25982.92	25990.38	25996.74
27.0	25338.68	25349.94	25360.15	25369.24	25377.14
27.5	24693.37	24705.19	24715.96	24725.63	24734.17
28.0	24027.80	24039.91	24050.98	24061.00	24070.00
28.5	23340.85	23353.64	23365.38	23376.15	23386.02
29.0	22635.20	22648.71	22661.21	22672.80	22683.59
29.5	21912.39	21926.59	21939.84	21952.25	21963.88
30.0	21174.70	21189.47	21203.39	21216.52	21228.93
30.5	20423.96	20438.93	20453.17	20466.77	20479.84
31.0	19663.11	19678.32	19692.88	19706.92	19720.57
31.5	18897.20	18912.64	18927.27	18941.26	18954.75
32.0	18121.66	18138.54	18154.57	18169.84	18184.43
32.5	17323.85	17346.79	17369.46	17391.52	17412.64
33.0	16533.05	16560.05	16587.31	16614.22	16640.16
33.5	15784.73	15804.83	15825.05	15845.25	15865.31
34.0	15047.81	15060.37	15072.74	15085.33	15098.53
34.5	14296.65	14310.65	14324.41	14338.19	14352.27
35.0	13550.50	13567.96	13585.15	13602.09	13618.76
35.5	12820.00	12838.79	12857.25	12875.26	12892.71
36.0	12105.27	12124.43	12143.23	12161.52	12179.12
36.5	11409.29	11427.21	11444.91	11462.28	11479.21
37.0	10734.10	10750.47	10766.75	10782.93	10798.99
37.5	10082.87	10098.67	10114.43	10130.13	10145.75
38.0	9455.18	9470.70	9486.18	9501.59	9516.89
38.5	8850.52	8865.81	8881.11	8896.33	8911.38
39.0	8272.35	8287.28	8302.26	8317.17	8331.86
39.5	7725.05	7739.04	7753.13	7767.21	7781.16
40.0	7205.32	7218.29	7231.40	7244.56	7257.72
40.5	6710.46	6722.77	6735.28	6747.90	6760.54
41.0	6243.09	6254.76	6266.68	6278.74	6290.85
41.5	5805.40	5816.17	5827.21	5838.40	5849.66
42.0	5395.93	5405.80	5415.91	5426.17	5436.52
42.5	5014.24	5023.24	5032.46	5041.82	5051.25
43.0	4659.50	4667.96	4676.59	4685.28	4693.97
43.5	4331.58	4340.90	4350.25	4359.43	4368.25
44.0	4027.99	4037.22	4046.38	4055.24	4063.58
44.5	3747.69	3752.20	3756.75	3761.37	3766.10
45.0	3486.15	3486.38	3486.79	3487.69	3489.36
45.5	3235.82	3237.62	3239.75	3242.43	3245.87
46.0	3004.73	3009.14	3013.94	3019.17	3024.90
46.5	2801.44	2805.84	2810.40	2815.09	2819.91
47.0	2616.83	2620.54	2624.16	2627.63	2630.90
47.5	2444.27	2447.39	2450.37	2453.17	2455.78
48.0	2284.82	2287.36	2289.77	2292.06	2294.23

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48.5	2137.59	2139.84	2141.95	2143.90	2145.71
49.0	2001.76	2003.79	2005.65	2007.33	2008.83
49.5	1876.29	1878.00	1879.54	1880.91	1882.09
50.0	1760.97	1762.30	1763.45	1764.45	1765.30
50.5	1656.18	1656.76	1657.19	1657.54	1657.87
51.0	1559.16	1559.35	1559.42	1559.43	1559.46
51.5	1466.69	1468.08	1469.27	1470.21	1470.88
52.0	1380.38	1382.89	1385.11	1386.90	1388.16
52.5	1300.90	1302.66	1304.14	1305.29	1306.03
53.0	1227.86	1228.54	1228.99	1229.25	1229.30
53.5	1161.55	1162.02	1162.27	1162.33	1162.22
54.0	1100.52	1101.00	1101.26	1101.32	1101.19
54.5	1043.36	1043.83	1044.08	1044.12	1043.95
55.0	990.20	990.67	990.92	990.96	990.77
55.5	940.80	941.23	941.44	941.44	941.21
56.0	894.84	895.21	895.36	895.30	895.02
56.5	852.01	852.26	852.31	852.15	851.80
57.0	812.11	812.25	812.20	811.96	811.54
57.5	774.89	774.98	774.88	774.62	774.18
58.0	740.20	740.27	740.16	739.88	739.44
58.5	708.00	708.03	707.89	707.60	707.14
59.0	677.84	677.85	677.70	677.39	676.92
59.5	649.27	649.28	649.13	648.83	648.38
60.0	622.34	622.35	622.22	621.94	621.52
60.5	596.99	597.01	596.88	596.61	596.20
61.0	573.16	573.18	573.07	572.81	572.41
61.5	550.84	550.87	550.76	550.51	550.12
62.0	529.83	529.88	529.79	529.56	529.19
62.5	509.96	510.04	510.00	509.82	509.50
63.0	491.20	491.33	491.33	491.21	490.95
63.5	473.52	473.68	473.73	473.65	473.44
64.0	456.78	456.97	457.05	457.00	456.83
64.5	440.81	441.01	441.12	441.11	440.97
65.0	425.62	425.83	425.96	425.98	425.87
65.5	411.23	411.45	411.58	411.61	411.52
66.0	397.49	397.70	397.82	397.85	397.76
66.5	384.21	384.39	384.49	384.50	384.41
67.0	371.42	371.57	371.65	371.65	371.55
67.5	359.11	359.27	359.35	359.36	359.28
68.0	347.13	347.31	347.41	347.44	347.37
68.5	335.40	335.56	335.66	335.68	335.61
69.0	323.81	323.97	324.07	324.10	324.04
69.5	312.16	312.37	312.51	312.58	312.56
70.0	300.74	300.99	301.18	301.30	301.33
70.5	289.82	290.10	290.32	290.47	290.52
71.0	279.19	279.48	279.72	279.88	279.95
71.5	268.73	269.01	269.24	269.40	269.47
72.0	258.42	258.70	258.92	259.07	259.14
72.5	248.21	248.49	248.73	248.91	248.99
73.0	238.10	238.40	238.66	238.85	238.94
73.5	228.13	228.42	228.66	228.83	228.91
74.0	218.23	218.49	218.71	218.86	218.92
74.5	208.34	208.60	208.80	208.94	209.00
75.0	198.47	198.70	198.89	199.01	199.05
75.5	188.61	188.77	188.89	188.95	188.94
76.0	178.73	178.83	178.89	178.90	178.85

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CANDELA TABULATION - (Cont.)

76.5	168.80	168.90	168.97	168.98	168.94
77.0	158.88	158.99	159.06	159.09	159.06
77.5	149.01	149.07	149.11	149.11	149.05
78.0	139.17	139.19	139.19	139.15	139.06
78.5	129.37	129.37	129.35	129.29	129.20
79.0	119.63	119.61	119.57	119.50	119.40
79.5	109.95	109.91	109.85	109.77	109.66
80.0	100.34	100.29	100.21	100.12	100.01
80.5	90.71	90.68	90.64	90.57	90.48
81.0	81.24	81.25	81.23	81.19	81.12
81.5	72.14	72.13	72.11	72.07	72.01
82.0	63.30	63.30	63.27	63.23	63.17
82.5	54.72	54.76	54.77	54.76	54.74
83.0	46.42	46.49	46.55	46.59	46.60
83.5	38.33	38.44	38.52	38.59	38.62
84.0	30.65	30.78	30.89	30.97	31.01
84.5	23.41	23.55	23.68	23.78	23.85
85.0	17.04	17.16	17.28	17.37	17.44
85.5	11.99	12.00	12.00	12.00	11.99
86.0	8.24	8.15	8.06	7.98	7.89
86.5	6.18	6.13	6.08	6.04	5.99
87.0	5.05	5.07	5.08	5.10	5.12
87.5	4.22	4.24	4.26	4.28	4.30
88.0	3.68	3.68	3.69	3.70	3.71
88.5	3.17	3.16	3.15	3.14	3.14
89.0	2.81	2.78	2.77	2.75	2.73
89.5	2.65	2.63	2.62	2.60	2.59
90.0	2.68	2.68	2.68	2.68	2.67

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	13095.07	34.00	34.00
0-30	25514.97	66.30	66.30
0-40	33973.58	88.30	88.30
0-60	37801.38	98.30	98.30
0-80	38436.23	99.90	99.90
0-90	38469.77	100.00	100.00
10-90	35014.69	91.00	91.00
20-40	20878.49	54.30	54.30
20-50	23791.35	61.80	61.80
40-70	4254.41	11.10	11.10
60-80	634.86	1.70	1.70
70-80	208.26	0.50	0.50
80-90	33.53	0.10	0.10
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	38469.77	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	3455.07
10-20	9640.00
20-30	12419.9
30-40	8458.61
40-50	2912.85
50-60	914.95
60-70	426.60
70-80	208.26
80-90	33.53
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

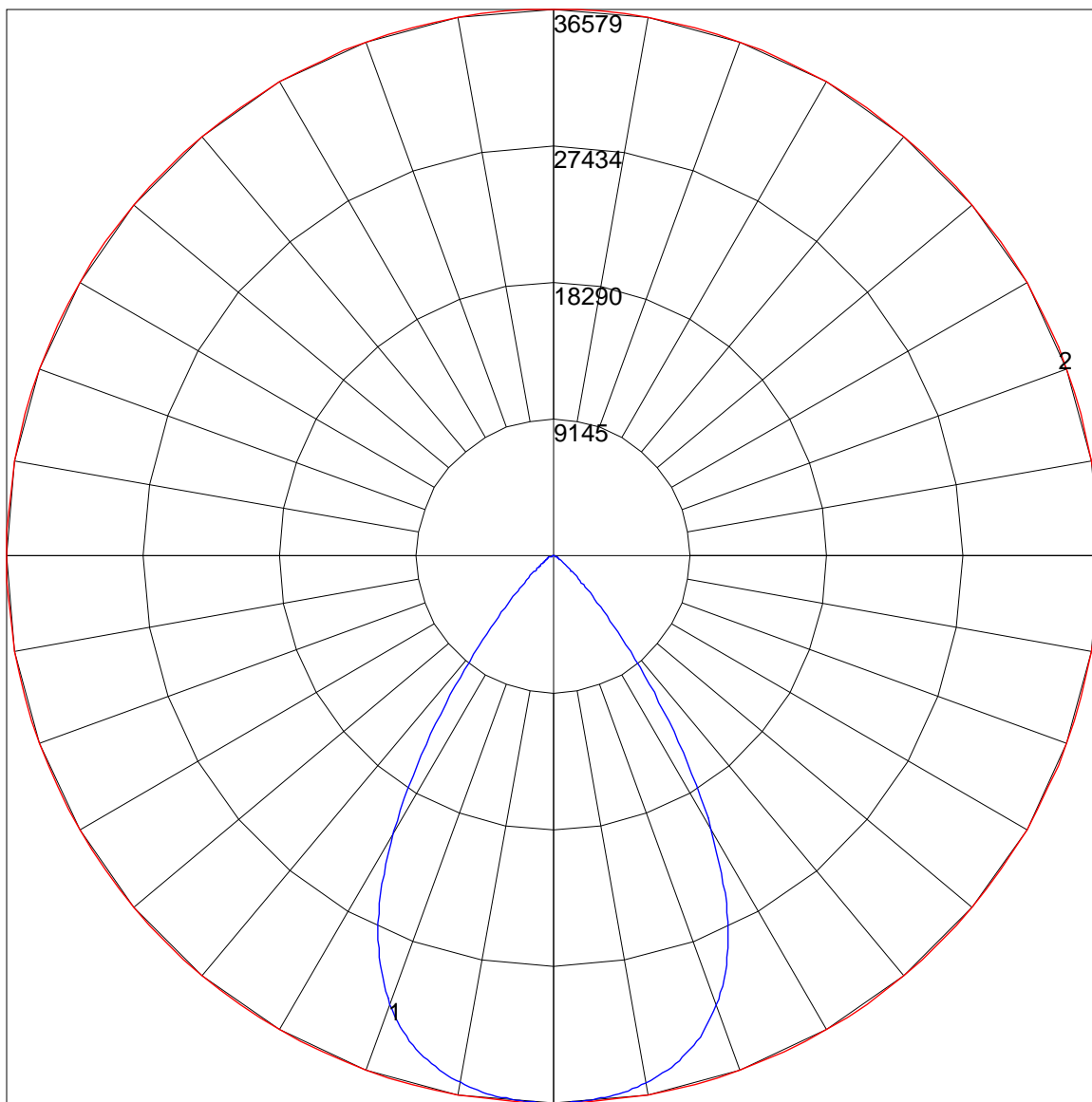
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79
4	96	88	82	78	94	87	81	77	85	80	76	82	79	75	81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67
6	86	76	70	66	84	76	70	65	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	57	66	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	56	52	51
10	70	60	54	50	69	59	53	49	58	53	49	58	53	49	57	52	49	48

POLAR GRAPH



Maximum Candela = 36579.13 Located At Horizontal Angle = 165, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (165 - 345) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)