



IES INDOOR REPORT

PHOTOMETRIC FILENAME : NUVHTVHOWT30VWD120-277V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]

[TESTDATE] 2017-07-20

[ISSUEDATE] 2017-07-20 14:12:04

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER]

[MANUFAC] BEGHELLI

[LUMINAIRE] NUVHTVHOWT30VWD120-277V

[LAMP] 3000K Ra80

CHARACTERISTICS

Lumens Per Lamp	37732 (1 lamp)
Total Lamp Lumens	37732
Luminaire Lumens	37732
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	291.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
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	295182	295256	295218
55	275863	275316	275046
65	231237	230369	230640
75	139861	139255	140028
85	16872	20568	25610

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13734.02	13733.96	13733.90	13733.84	13733.79	13733.75	13733.70	13733.68	13733.66	13733.65
1.0	13732.13	13732.07	13732.02	13731.97	13731.93	13731.90	13731.87	13731.84	13731.83	13731.82
1.5	13728.77	13728.79	13728.83	13728.89	13728.95	13729.01	13729.08	13729.10	13729.11	13729.12
2.0	13724.26	13724.37	13724.51	13724.67	13724.84	13725.01	13725.17	13725.24	13725.30	13725.33
2.5	13718.92	13719.03	13719.17	13719.34	13719.52	13719.71	13719.89	13719.98	13720.06	13720.12
3.0	13712.70	13712.79	13712.91	13713.06	13713.23	13713.41	13713.58	13713.68	13713.77	13713.85
3.5	13705.65	13705.75	13705.88	13706.04	13706.21	13706.40	13706.57	13706.66	13706.73	13706.80
4.0	13697.79	13697.89	13698.02	13698.17	13698.34	13698.52	13698.69	13698.77	13698.84	13698.90
4.5	13689.23	13689.29	13689.37	13689.46	13689.58	13689.70	13689.83	13689.96	13690.09	13690.22
5.0	13679.73	13679.75	13679.79	13679.84	13679.90	13679.98	13680.08	13680.26	13680.44	13680.63
5.5	13669.02	13669.06	13669.12	13669.20	13669.29	13669.40	13669.52	13669.69	13669.86	13670.03
6.0	13657.35	13657.42	13657.51	13657.63	13657.76	13657.90	13658.04	13658.19	13658.33	13658.47
6.5	13645.01	13645.08	13645.17	13645.27	13645.37	13645.49	13645.61	13645.74	13645.87	13646.00
7.0	13631.61	13631.69	13631.77	13631.86	13631.95	13632.04	13632.14	13632.27	13632.39	13632.52
7.5	13616.73	13616.85	13616.98	13617.11	13617.26	13617.40	13617.54	13617.68	13617.81	13617.93
8.0	13600.72	13600.88	13601.06	13601.26	13601.46	13601.66	13601.86	13602.00	13602.13	13602.25
8.5	13583.94	13584.11	13584.30	13584.50	13584.71	13584.93	13585.13	13585.27	13585.39	13585.49
9.0	13566.00	13566.16	13566.36	13566.56	13566.78	13567.00	13567.21	13567.35	13567.47	13567.58
9.5	13546.42	13546.60	13546.82	13547.07	13547.35	13547.63	13547.90	13548.09	13548.25	13548.40
10.0	13525.81	13525.99	13526.22	13526.49	13526.79	13527.11	13527.42	13527.64	13527.83	13528.01
10.5	13504.82	13504.95	13505.11	13505.29	13505.49	13505.70	13505.91	13506.08	13506.24	13506.40
11.0	13482.79	13482.88	13482.96	13483.06	13483.15	13483.26	13483.36	13483.48	13483.60	13483.72
11.5	13459.17	13459.27	13459.38	13459.49	13459.61	13459.74	13459.87	13459.97	13460.09	13460.20
12.0	13434.34	13434.45	13434.58	13434.73	13434.89	13435.06	13435.24	13435.38	13435.52	13435.66
12.5	13408.46	13408.53	13408.62	13408.74	13408.88	13409.04	13409.22	13409.46	13409.72	13409.97
13.0	13381.56	13381.58	13381.63	13381.71	13381.81	13381.95	13382.13	13382.45	13382.79	13383.15
13.5	13353.74	13353.77	13353.82	13353.90	13354.00	13354.13	13354.29	13354.54	13354.82	13355.10
14.0	13324.90	13324.94	13324.99	13325.06	13325.15	13325.26	13325.39	13325.56	13325.75	13325.95
14.5	13294.98	13294.98	13294.98	13294.99	13295.02	13295.07	13295.14	13295.32	13295.52	13295.74
15.0	13263.97	13263.93	13263.88	13263.83	13263.80	13263.81	13263.85	13264.05	13264.29	13264.56
15.5	13231.82	13231.77	13231.73	13231.71	13231.71	13231.74	13231.81	13232.04	13232.30	13232.59
16.0	13198.57	13198.53	13198.51	13198.52	13198.55	13198.62	13198.73	13198.97	13199.25	13199.55
16.5	13164.21	13164.17	13164.15	13164.14	13164.16	13164.22	13164.31	13164.54	13164.80	13165.08
17.0	13128.85	13128.81	13128.77	13128.74	13128.74	13128.76	13128.82	13129.03	13129.28	13129.55
17.5	13092.70	13092.62	13092.55	13092.49	13092.45	13092.45	13092.49	13092.72	13092.98	13093.27
18.0	13055.51	13055.41	13055.32	13055.24	13055.19	13055.17	13055.19	13055.42	13055.70	13056.00
18.5	13017.09	13017.05	13017.00	13016.96	13016.94	13016.93	13016.96	13017.13	13017.32	13017.54
19.0	12977.50	12977.51	12977.51	12977.50	12977.50	12977.52	12977.55	12977.66	12977.79	12977.95
19.5	12936.66	12936.64	12936.61	12936.57	12936.55	12936.55	12936.58	12936.75	12936.95	12937.17
20.0	12894.78	12894.71	12894.63	12894.54	12894.48	12894.44	12894.46	12894.69	12894.96	12895.27
20.5	12852.13	12852.02	12851.89	12851.75	12851.62	12851.52	12851.47	12851.67	12851.92	12852.21
21.0	12808.45	12808.32	12808.16	12807.98	12807.81	12807.67	12807.58	12807.74	12807.95	12808.21
21.5	12763.42	12763.32	12763.21	12763.10	12763.01	12762.94	12762.92	12763.11	12763.34	12763.61
22.0	12717.42	12717.36	12717.31	12717.27	12717.25	12717.26	12717.31	12717.51	12717.75	12718.01
22.5	12670.90	12670.84	12670.76	12670.69	12670.63	12670.58	12670.57	12670.68	12670.82	12670.99
23.0	12623.35	12623.28	12623.18	12623.07	12622.96	12622.85	12622.77	12622.78	12622.81	12622.89
23.5	12574.29	12574.24	12574.17	12574.10	12574.04	12573.98	12573.93	12573.92	12573.93	12573.97
24.0	12524.02	12524.00	12523.99	12523.99	12524.00	12524.01	12524.02	12524.01	12524.01	12524.02
24.5	12472.65	12472.71	12472.78	12472.86	12472.93	12473.00	12473.06	12473.01	12472.95	12472.90
25.0	12420.22	12420.34	12420.47	12420.60	12420.73	12420.85	12420.95	12420.88	12420.79	12420.71
25.5	12366.73	12366.82	12366.94	12367.07	12367.22	12367.36	12367.49	12367.51	12367.52	12367.53
26.0	12312.29	12312.34	12312.42	12312.53	12312.66	12312.80	12312.95	12313.05	12313.16	12313.27
26.5	12257.09	12257.14	12257.20	12257.28	12257.38	12257.47	12257.58	12257.65	12257.72	12257.80

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27.0	12200.83	12200.89	12200.96	12201.03	12201.10	12201.17	12201.24	12201.25	12201.27	12201.28
27.5	12143.18	12143.29	12143.42	12143.55	12143.69	12143.83	12143.95	12143.95	12143.94	12143.91
28.0	12084.40	12084.54	12084.72	12084.92	12085.13	12085.33	12085.51	12085.51	12085.49	12085.45
28.5	12024.61	12024.74	12024.90	12025.08	12025.27	12025.45	12025.62	12025.64	12025.63	12025.62
29.0	11963.86	11963.95	11964.06	11964.19	11964.33	11964.46	11964.58	11964.62	11964.65	11964.67
29.5	11902.37	11902.39	11902.42	11902.46	11902.51	11902.55	11902.61	11902.66	11902.72	11902.79
30.0	11839.68	11839.68	11839.67	11839.66	11839.65	11839.66	11839.67	11839.73	11839.80	11839.87
30.5	11775.17	11775.28	11775.40	11775.54	11775.67	11775.80	11775.92	11775.92	11775.91	11775.89
31.0	11709.60	11709.82	11710.06	11710.33	11710.59	11710.84	11711.05	11711.00	11710.91	11710.81
31.5	11643.79	11643.91	11644.07	11644.23	11644.40	11644.57	11644.71	11644.69	11644.65	11644.60
32.0	11577.02	11577.03	11577.05	11577.08	11577.12	11577.16	11577.21	11577.23	11577.26	11577.28
32.5	11508.79	11508.79	11508.79	11508.80	11508.81	11508.82	11508.83	11508.84	11508.85	11508.86
33.0	11439.29	11439.30	11439.31	11439.31	11439.31	11439.31	11439.30	11439.30	11439.29	11439.28
33.5	11368.47	11368.45	11368.41	11368.36	11368.32	11368.28	11368.24	11368.28	11368.33	11368.37
34.0	11296.56	11296.50	11296.43	11296.37	11296.30	11296.25	11296.21	11296.30	11296.40	11296.50
34.5	11223.77	11223.76	11223.75	11223.75	11223.77	11223.79	11223.82	11223.92	11224.02	11224.11
35.0	11150.00	11150.05	11150.12	11150.21	11150.32	11150.43	11150.54	11150.64	11150.73	11150.79
35.5	11075.25	11075.32	11075.43	11075.56	11075.72	11075.88	11076.03	11076.11	11076.17	11076.21
36.0	10999.44	10999.53	10999.66	10999.84	11000.04	11000.24	11000.42	11000.49	11000.53	11000.53
36.5	10922.45	10922.58	10922.79	10923.04	10923.31	10923.58	10923.83	10923.89	10923.90	10923.87
37.0	10844.40	10844.58	10844.83	10845.13	10845.45	10845.77	10846.05	10846.10	10846.10	10846.04
37.5	10765.48	10765.62	10765.82	10766.06	10766.32	10766.57	10766.80	10766.84	10766.82	10766.77
38.0	10685.48	10685.56	10685.70	10685.86	10686.05	10686.23	10686.40	10686.43	10686.43	10686.40
38.5	10604.14	10604.22	10604.36	10604.52	10604.71	10604.90	10605.08	10605.17	10605.24	10605.28
39.0	10521.70	10521.81	10521.97	10522.17	10522.38	10522.60	10522.80	10522.94	10523.04	10523.09
39.5	10438.48	10438.63	10438.83	10439.07	10439.32	10439.56	10439.77	10439.75	10439.69	10439.58
40.0	10354.02	10354.20	10354.46	10354.76	10355.07	10355.35	10355.58	10355.43	10355.21	10354.94
40.5	10267.72	10267.95	10268.29	10268.68	10269.09	10269.48	10269.81	10269.71	10269.54	10269.30
41.0	10180.35	10180.60	10180.97	10181.41	10181.88	10182.34	10182.76	10182.79	10182.73	10182.62
41.5	10092.75	10092.90	10093.13	10093.44	10093.78	10094.14	10094.49	10094.69	10094.85	10094.96
42.0	10004.13	10004.18	10004.30	10004.49	10004.71	10004.98	10005.26	10005.58	10005.89	10006.17
42.5	9913.81	9913.92	9914.13	9914.41	9914.74	9915.09	9915.43	9915.66	9915.85	9916.00
43.0	9822.26	9822.50	9822.86	9823.30	9823.78	9824.27	9824.72	9824.82	9824.85	9824.83
43.5	9729.75	9730.13	9730.63	9731.22	9731.85	9732.48	9733.05	9733.15	9733.17	9733.12
44.0	9636.26	9636.74	9637.35	9638.06	9638.80	9639.53	9640.19	9640.33	9640.37	9640.32
44.5	9541.92	9542.39	9543.02	9543.75	9544.52	9545.27	9545.95	9546.07	9546.08	9546.00
45.0	9446.50	9446.92	9447.49	9448.15	9448.86	9449.56	9450.20	9450.30	9450.30	9450.22
45.5	9349.80	9350.12	9350.54	9351.02	9351.54	9352.05	9352.52	9352.65	9352.71	9352.71
46.0	9251.95	9252.14	9252.39	9252.66	9252.96	9253.25	9253.54	9253.71	9253.86	9253.97
46.5	9153.08	9153.11	9153.18	9153.27	9153.39	9153.54	9153.71	9153.95	9154.21	9154.47
47.0	9053.02	9052.96	9052.92	9052.92	9052.94	9053.01	9053.11	9053.39	9053.69	9054.01
47.5	8951.55	8951.61	8951.71	8951.83	8951.98	8952.13	8952.29	8952.40	8952.51	8952.61
48.0	8848.98	8849.19	8849.43	8849.70	8849.96	8850.21	8850.41	8850.35	8850.25	8850.11
48.5	8746.20	8746.37	8746.54	8746.72	8746.88	8747.02	8747.12	8747.02	8746.87	8746.71
49.0	8641.28	8641.35	8641.42	8641.49	8641.54	8641.58	8641.60	8641.52	8641.43	8641.32
49.5	8532.16	8532.15	8532.21	8532.31	8532.45	8532.61	8532.77	8532.84	8532.89	8532.93
50.0	8420.17	8420.06	8420.08	8420.21	8420.42	8420.69	8420.99	8421.20	8421.41	8421.61
50.5	8306.23	8305.96	8305.81	8305.78	8305.84	8305.98	8306.18	8306.41	8306.67	8306.94
51.0	8189.45	8189.04	8188.74	8188.55	8188.45	8188.44	8188.51	8188.76	8189.06	8189.39
51.5	8069.27	8068.85	8068.52	8068.29	8068.15	8068.12	8068.18	8068.59	8069.07	8069.56
52.0	7945.57	7945.26	7945.04	7944.90	7944.85	7944.89	7945.02	7945.56	7946.14	7946.72
52.5	7817.23	7817.26	7817.38	7817.57	7817.82	7818.11	7818.42	7818.89	7819.32	7819.68
53.0	7686.69	7687.14	7687.67	7688.24	7688.83	7689.38	7689.88	7690.20	7690.39	7690.44
53.5	7556.29	7557.17	7558.06	7558.92	7559.73	7560.42	7560.96	7561.12	7561.07	7560.80
54.0	7425.24	7426.45	7427.60	7428.66	7429.58	7430.32	7430.84	7430.85	7430.59	7430.08
54.5	7293.22	7294.52	7295.72	7296.77	7297.66	7298.34	7298.77	7298.76	7298.47	7297.90

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55.0	7161.13	7162.40	7163.51	7164.45	7165.19	7165.72	7166.01	7165.96	7165.65	7165.07
55.5	7029.79	7030.95	7031.91	7032.65	7033.18	7033.47	7033.53	7033.28	7032.79	7032.06
56.0	6899.24	6900.21	6900.93	6901.40	6901.64	6901.64	6901.44	6901.00	6900.37	6899.56
56.5	6770.27	6770.92	6771.25	6771.31	6771.14	6770.78	6770.26	6769.89	6769.40	6768.79
57.0	6641.49	6641.86	6641.87	6641.59	6641.08	6640.41	6639.64	6639.34	6638.99	6638.58
57.5	6511.58	6511.96	6511.98	6511.71	6511.19	6510.51	6509.70	6509.21	6508.67	6508.05
58.0	6381.16	6381.56	6381.62	6381.39	6380.93	6380.29	6379.51	6378.89	6378.19	6377.42
58.5	6250.45	6250.58	6250.41	6249.98	6249.37	6248.62	6247.82	6247.47	6247.11	6246.70
59.0	6119.37	6119.21	6118.77	6118.12	6117.34	6116.51	6115.68	6115.64	6115.63	6115.61
59.5	5988.35	5988.05	5987.52	5986.81	5986.00	5985.15	5984.32	5984.24	5984.22	5984.20
60.0	5856.12	5855.70	5855.09	5854.36	5853.57	5852.75	5851.96	5851.76	5851.62	5851.50
60.5	5721.51	5720.79	5720.03	5719.25	5718.49	5717.77	5717.12	5716.89	5716.72	5716.60
61.0	5584.73	5583.71	5582.79	5581.98	5581.26	5580.64	5580.12	5579.81	5579.58	5579.41
61.5	5445.67	5444.49	5443.49	5442.66	5441.96	5441.37	5440.87	5440.32	5439.83	5439.39
62.0	5304.02	5302.78	5301.76	5300.93	5300.25	5299.67	5299.15	5298.40	5297.67	5296.96
62.5	5158.83	5157.64	5156.68	5155.90	5155.25	5154.70	5154.21	5153.45	5152.71	5151.97
63.0	5011.85	5010.81	5009.95	5009.25	5008.65	5008.13	5007.65	5006.98	5006.30	5005.61
63.5	4864.49	4863.70	4863.03	4862.44	4861.93	4861.45	4860.98	4860.45	4859.88	4859.26
64.0	4716.90	4716.31	4715.76	4715.25	4714.77	4714.29	4713.80	4713.34	4712.83	4712.25
64.5	4569.13	4568.46	4567.82	4567.21	4566.61	4566.00	4565.38	4564.75	4564.09	4563.36
65.0	4422.85	4422.03	4421.24	4420.47	4419.70	4418.93	4418.15	4417.30	4416.43	4415.53
65.5	4280.41	4279.68	4278.95	4278.22	4277.47	4276.69	4275.86	4274.75	4273.61	4272.44
66.0	4139.83	4138.88	4137.90	4136.89	4135.87	4134.84	4133.80	4132.71	4131.64	4130.58
66.5	4000.71	3998.39	3995.95	3993.50	3991.14	3988.98	3987.12	3986.94	3987.05	3987.34
67.0	3860.65	3857.05	3853.25	3849.44	3845.83	3842.62	3840.01	3840.72	3842.00	3843.61
67.5	3716.29	3712.73	3708.95	3705.15	3701.54	3698.31	3695.69	3696.47	3697.82	3699.49
68.0	3570.14	3567.11	3563.86	3560.56	3557.40	3554.54	3552.17	3552.62	3553.54	3554.72
68.5	3423.57	3421.13	3418.49	3415.78	3413.13	3410.67	3408.53	3408.24	3408.29	3408.55
69.0	3276.64	3274.82	3272.83	3270.75	3268.65	3266.63	3264.76	3263.82	3263.08	3262.51
69.5	3129.13	3127.82	3126.33	3124.71	3123.06	3121.43	3119.90	3119.09	3118.43	3117.89
70.0	2983.21	2982.27	2981.13	2979.86	2978.53	2977.21	2975.97	2975.42	2974.99	2974.64
70.5	2841.71	2840.88	2839.90	2838.79	2837.63	2836.46	2835.32	2834.61	2833.99	2833.43
71.0	2702.35	2701.49	2700.51	2699.45	2698.33	2697.19	2696.06	2695.10	2694.20	2693.37
71.5	2563.58	2562.50	2561.35	2560.16	2558.94	2557.71	2556.50	2555.29	2554.15	2553.09
72.0	2426.12	2424.88	2423.60	2422.29	2420.98	2419.68	2418.40	2417.09	2415.84	2414.69
72.5	2290.47	2289.43	2288.31	2287.14	2285.93	2284.73	2283.56	2282.51	2281.53	2280.64
73.0	2155.83	2155.10	2154.24	2153.28	2152.27	2151.25	2150.25	2149.54	2148.90	2148.34
73.5	2020.43	2019.99	2019.44	2018.79	2018.09	2017.37	2016.64	2016.09	2015.58	2015.12
74.0	1887.64	1887.36	1886.98	1886.52	1886.02	1885.49	1884.94	1884.46	1884.00	1883.59
74.5	1761.58	1760.94	1760.18	1759.35	1758.47	1757.60	1756.78	1756.28	1755.87	1755.54
75.0	1638.28	1637.38	1636.36	1635.27	1634.16	1633.07	1632.06	1631.49	1631.04	1630.70
75.5	1514.08	1513.74	1513.42	1513.11	1512.79	1512.45	1512.07	1511.34	1510.59	1509.87
76.0	1392.25	1392.47	1392.84	1393.28	1393.73	1394.10	1394.34	1393.50	1392.53	1391.52
76.5	1275.10	1275.08	1275.14	1275.23	1275.32	1275.38	1275.36	1274.64	1273.88	1273.15
77.0	1161.82	1161.44	1161.04	1160.64	1160.25	1159.87	1159.51	1159.05	1158.67	1158.39
77.5	1052.09	1051.73	1051.42	1051.17	1050.97	1050.82	1050.74	1050.71	1050.74	1050.84
78.0	946.71	946.48	946.37	946.36	946.45	946.62	946.86	947.22	947.60	947.98
78.5	846.42	846.32	846.29	846.32	846.42	846.58	846.80	847.22	847.66	848.11
79.0	751.14	751.13	751.10	751.09	751.10	751.15	751.24	751.59	751.98	752.39
79.5	661.04	660.82	660.56	660.27	660.01	659.81	659.69	659.93	660.29	660.75
80.0	576.19	575.93	575.63	575.31	575.00	574.75	574.58	574.68	574.91	575.28
80.5	495.95	496.60	497.31	498.04	498.74	499.38	499.91	499.73	499.47	499.18
81.0	422.59	423.89	425.32	426.81	428.25	429.54	430.61	430.30	429.74	429.04
81.5	359.39	359.56	359.78	360.04	360.33	360.61	360.90	360.99	361.08	361.18
82.0	302.67	301.59	300.45	299.33	298.29	297.44	296.84	297.49	298.40	299.50
82.5	249.31	248.30	247.17	246.03	244.98	244.12	243.57	244.70	246.12	247.73

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83.0	200.90	200.42	199.82	199.21	198.67	198.28	198.13	199.48	201.04	202.70
83.5	157.74	157.98	158.28	158.65	159.07	159.55	160.08	160.83	161.60	162.35
84.0	120.55	121.37	122.40	123.56	124.78	125.97	127.06	127.22	127.23	127.15
84.5	90.23	90.81	91.53	92.34	93.21	94.09	94.96	95.45	95.89	96.32
85.0	66.55	66.78	67.01	67.27	67.60	68.01	68.52	69.45	70.48	71.59
85.5	50.17	50.51	50.86	51.23	51.65	52.13	52.70	53.62	54.62	55.68
86.0	39.45	39.91	40.40	40.91	41.45	42.03	42.63	43.34	44.08	44.82
86.5	34.11	34.27	34.45	34.64	34.85	35.07	35.30	35.57	35.84	36.12
87.0	30.80	30.66	30.52	30.40	30.29	30.18	30.07	29.96	29.85	29.74
87.5	25.26	25.22	25.19	25.18	25.18	25.18	25.19	25.18	25.16	25.15
88.0	19.89	20.02	20.18	20.36	20.56	20.77	20.99	21.21	21.42	21.63
88.5	15.55	15.73	15.93	16.16	16.41	16.69	16.99	17.34	17.71	18.08
89.0	12.55	12.72	12.91	13.12	13.36	13.63	13.93	14.34	14.77	15.20
89.5	11.58	11.69	11.81	11.95	12.11	12.29	12.49	12.77	13.06	13.37
90.0	12.40	12.40	12.41	12.41	12.42	12.43	12.44	12.44	12.44	12.45

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	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13733.65	13733.65	13733.67	13733.73	13733.80	13733.87	13733.94	13734.00	13734.06	13734.07
1.0	13731.82	13731.83	13731.86	13731.93	13732.01	13732.10	13732.18	13732.26	13732.33	13732.37
1.5	13729.13	13729.14	13729.15	13729.16	13729.18	13729.20	13729.22	13729.25	13729.28	13729.35
2.0	13725.35	13725.36	13725.36	13725.32	13725.28	13725.23	13725.19	13725.16	13725.15	13725.24
2.5	13720.17	13720.21	13720.23	13720.23	13720.22	13720.22	13720.21	13720.21	13720.22	13720.34
3.0	13713.92	13713.99	13714.05	13714.11	13714.17	13714.22	13714.27	13714.33	13714.38	13714.50
3.5	13706.86	13706.92	13706.99	13707.09	13707.20	13707.31	13707.42	13707.52	13707.61	13707.70
4.0	13698.96	13699.03	13699.10	13699.23	13699.37	13699.51	13699.65	13699.77	13699.88	13699.94
4.5	13690.35	13690.47	13690.60	13690.71	13690.83	13690.93	13691.03	13691.11	13691.18	13691.25
5.0	13680.82	13681.00	13681.17	13681.25	13681.32	13681.37	13681.41	13681.44	13681.47	13681.56
5.5	13670.20	13670.36	13670.50	13670.55	13670.59	13670.61	13670.63	13670.64	13670.67	13670.79
6.0	13658.60	13658.71	13658.82	13658.84	13658.84	13658.85	13658.85	13658.85	13658.88	13659.02
6.5	13646.12	13646.22	13646.30	13646.29	13646.27	13646.24	13646.21	13646.19	13646.19	13646.34
7.0	13632.63	13632.72	13632.80	13632.77	13632.73	13632.68	13632.63	13632.59	13632.57	13632.71
7.5	13618.03	13618.12	13618.19	13618.19	13618.17	13618.14	13618.10	13618.08	13618.06	13618.16
8.0	13602.35	13602.43	13602.50	13602.52	13602.53	13602.53	13602.52	13602.51	13602.50	13602.57
8.5	13585.58	13585.66	13585.71	13585.73	13585.73	13585.73	13585.72	13585.72	13585.72	13585.82
9.0	13567.67	13567.74	13567.79	13567.80	13567.80	13567.79	13567.79	13567.78	13567.79	13567.92
9.5	13548.52	13548.62	13548.70	13548.73	13548.74	13548.73	13548.72	13548.71	13548.70	13548.76
10.0	13528.17	13528.31	13528.42	13528.48	13528.52	13528.54	13528.55	13528.55	13528.54	13528.55
10.5	13506.55	13506.70	13506.83	13506.97	13507.11	13507.23	13507.34	13507.44	13507.52	13507.58
11.0	13483.86	13484.00	13484.16	13484.36	13484.57	13484.78	13484.99	13485.18	13485.36	13485.49
11.5	13460.33	13460.46	13460.60	13460.78	13460.98	13461.18	13461.37	13461.56	13461.74	13461.91
12.0	13435.79	13435.93	13436.07	13436.22	13436.37	13436.52	13436.67	13436.81	13436.95	13437.13
12.5	13410.23	13410.47	13410.69	13410.81	13410.91	13410.99	13411.05	13411.11	13411.17	13411.29
13.0	13383.50	13383.83	13384.13	13384.24	13384.32	13384.36	13384.38	13384.38	13384.37	13384.45
13.5	13355.39	13355.67	13355.94	13356.11	13356.25	13356.38	13356.49	13356.58	13356.66	13356.78
14.0	13326.16	13326.37	13326.60	13326.83	13327.05	13327.28	13327.49	13327.69	13327.87	13328.04
14.5	13295.98	13296.23	13296.48	13296.73	13296.97	13297.20	13297.42	13297.62	13297.79	13297.92
15.0	13264.85	13265.14	13265.44	13265.68	13265.91	13266.11	13266.30	13266.46	13266.59	13266.67
15.5	13232.90	13233.20	13233.49	13233.70	13233.88	13234.04	13234.17	13234.29	13234.38	13234.46
16.0	13199.85	13200.15	13200.44	13200.61	13200.76	13200.88	13200.98	13201.06	13201.12	13201.21
16.5	13165.38	13165.67	13165.96	13166.16	13166.35	13166.51	13166.65	13166.76	13166.86	13166.93
17.0	13129.83	13130.12	13130.41	13130.65	13130.87	13131.07	13131.25	13131.40	13131.52	13131.58
17.5	13093.58	13093.89	13094.19	13094.38	13094.55	13094.70	13094.82	13094.93	13095.01	13095.08
18.0	13056.31	13056.62	13056.91	13057.06	13057.19	13057.29	13057.36	13057.42	13057.47	13057.56

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18.5	13017.78	13018.01	13018.25	13018.42	13018.59	13018.74	13018.87	13018.98	13019.07	13019.13
19.0	12978.12	12978.30	12978.49	12978.71	12978.93	12979.14	12979.33	12979.50	12979.63	12979.66
19.5	12937.42	12937.67	12937.92	12938.16	12938.38	12938.59	12938.78	12938.93	12939.05	12939.07
20.0	12895.60	12895.93	12896.26	12896.50	12896.73	12896.92	12897.09	12897.22	12897.32	12897.33
20.5	12852.53	12852.85	12853.18	12853.44	12853.68	12853.89	12854.08	12854.23	12854.35	12854.37
21.0	12808.49	12808.79	12809.10	12809.35	12809.60	12809.82	12810.02	12810.19	12810.33	12810.35
21.5	12763.90	12764.19	12764.47	12764.69	12764.88	12765.05	12765.19	12765.31	12765.40	12765.41
22.0	12718.28	12718.55	12718.81	12718.99	12719.15	12719.29	12719.40	12719.49	12719.55	12719.55
22.5	12671.18	12671.39	12671.62	12671.87	12672.13	12672.37	12672.60	12672.79	12672.95	12672.95
23.0	12623.00	12623.14	12623.32	12623.65	12624.01	12624.36	12624.70	12625.00	12625.25	12625.26
23.5	12574.03	12574.13	12574.27	12574.59	12574.92	12575.25	12575.57	12575.85	12576.08	12576.04
24.0	12524.05	12524.12	12524.21	12524.48	12524.77	12525.06	12525.34	12525.57	12525.76	12525.68
24.5	12472.87	12472.86	12472.89	12473.16	12473.46	12473.77	12474.07	12474.34	12474.56	12474.54
25.0	12420.64	12420.59	12420.60	12420.85	12421.15	12421.46	12421.77	12422.07	12422.32	12422.35
25.5	12367.55	12367.58	12367.64	12367.85	12368.08	12368.32	12368.55	12368.77	12368.95	12368.99
26.0	12313.38	12313.49	12313.61	12313.77	12313.93	12314.09	12314.23	12314.36	12314.46	12314.51
26.5	12257.88	12257.96	12258.06	12258.19	12258.33	12258.46	12258.60	12258.72	12258.83	12258.90
27.0	12201.30	12201.33	12201.37	12201.48	12201.61	12201.74	12201.88	12202.01	12202.13	12202.23
27.5	12143.89	12143.87	12143.86	12143.95	12144.04	12144.15	12144.26	12144.38	12144.48	12144.57
28.0	12085.40	12085.36	12085.32	12085.39	12085.47	12085.56	12085.65	12085.75	12085.84	12085.92
28.5	12025.60	12025.58	12025.58	12025.68	12025.79	12025.91	12026.03	12026.14	12026.25	12026.33
29.0	11964.69	11964.72	11964.76	11964.89	11965.03	11965.17	11965.31	11965.44	11965.56	11965.63
29.5	11902.86	11902.93	11903.00	11903.09	11903.18	11903.27	11903.35	11903.43	11903.49	11903.54
30.0	11839.96	11840.04	11840.12	11840.19	11840.25	11840.30	11840.35	11840.39	11840.42	11840.46
30.5	11775.87	11775.87	11775.88	11776.04	11776.22	11776.40	11776.57	11776.73	11776.86	11776.89
31.0	11710.71	11710.62	11710.58	11710.81	11711.07	11711.36	11711.64	11711.90	11712.13	11712.17
31.5	11644.55	11644.52	11644.50	11644.63	11644.79	11644.96	11645.13	11645.31	11645.47	11645.61
32.0	11577.30	11577.33	11577.35	11577.35	11577.36	11577.38	11577.41	11577.46	11577.53	11577.79
32.5	11508.87	11508.87	11508.87	11508.82	11508.78	11508.74	11508.73	11508.74	11508.79	11509.08
33.0	11439.27	11439.25	11439.23	11439.15	11439.07	11439.00	11438.96	11438.95	11438.99	11439.31
33.5	11368.42	11368.45	11368.47	11368.33	11368.19	11368.07	11367.97	11367.92	11367.93	11368.36
34.0	11296.60	11296.68	11296.73	11296.55	11296.35	11296.17	11296.02	11295.92	11295.91	11296.41
34.5	11224.20	11224.25	11224.28	11224.07	11223.85	11223.64	11223.45	11223.32	11223.26	11223.71
35.0	11150.83	11150.85	11150.82	11150.60	11150.35	11150.11	11149.89	11149.73	11149.63	11150.00
35.5	11076.21	11076.19	11076.12	11075.84	11075.55	11075.26	11075.01	11074.81	11074.69	11075.08
36.0	11000.50	11000.42	11000.31	10999.99	10999.65	10999.32	10999.03	10998.81	10998.68	10999.12
36.5	10923.80	10923.68	10923.52	10923.16	10922.79	10922.43	10922.12	10921.88	10921.74	10922.22
37.0	10845.94	10845.79	10845.61	10845.25	10844.88	10844.53	10844.22	10843.98	10843.85	10844.33
37.5	10766.69	10766.57	10766.42	10766.15	10765.88	10765.63	10765.41	10765.24	10765.14	10765.48
38.0	10686.35	10686.27	10686.16	10685.98	10685.78	10685.60	10685.43	10685.31	10685.23	10685.46
38.5	10605.28	10605.24	10605.16	10604.86	10604.54	10604.22	10603.94	10603.71	10603.56	10603.93
39.0	10523.11	10523.07	10522.98	10522.57	10522.14	10521.71	10521.32	10521.01	10520.81	10521.30
39.5	10439.44	10439.26	10439.07	10438.78	10438.49	10438.22	10437.99	10437.82	10437.72	10438.07
40.0	10354.65	10354.34	10354.05	10353.89	10353.76	10353.66	10353.60	10353.57	10353.57	10353.74
40.5	10269.02	10268.73	10268.43	10268.24	10268.07	10267.92	10267.81	10267.73	10267.70	10267.86
41.0	10182.45	10182.24	10182.01	10181.74	10181.48	10181.22	10181.00	10180.81	10180.68	10180.88
41.5	10095.02	10095.02	10094.96	10094.64	10094.28	10093.91	10093.55	10093.23	10092.98	10093.18
42.0	10006.40	10006.57	10006.65	10006.31	10005.91	10005.47	10005.03	10004.64	10004.31	10004.52
42.5	9916.11	9916.17	9916.17	9915.90	9915.60	9915.28	9914.98	9914.71	9914.51	9914.75
43.0	9824.76	9824.65	9824.52	9824.34	9824.16	9823.99	9823.84	9823.73	9823.66	9823.90
43.5	9733.01	9732.86	9732.69	9732.54	9732.39	9732.24	9732.11	9731.99	9731.90	9731.99
44.0	9640.21	9640.04	9639.85	9639.71	9639.56	9639.41	9639.25	9639.10	9638.96	9638.91
44.5	9545.86	9545.66	9545.44	9545.29	9545.13	9544.98	9544.83	9544.69	9544.58	9544.60
45.0	9450.08	9449.89	9449.68	9449.52	9449.37	9449.22	9449.09	9448.97	9448.89	9448.99
45.5	9352.67	9352.59	9352.49	9352.40	9352.30	9352.19	9352.09	9351.98	9351.89	9351.87
46.0	9254.07	9254.13	9254.16	9254.14	9254.11	9254.04	9253.96	9253.86	9253.75	9253.61

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CANDELA TABULATION - (Cont.)

46.5	9154.71	9154.93	9155.11	9155.13	9155.12	9155.06	9154.98	9154.87	9154.75	9154.65
47.0	9054.32	9054.61	9054.85	9054.90	9054.89	9054.85	9054.77	9054.68	9054.57	9054.53
47.5	8952.70	8952.78	8952.85	8952.90	8952.93	8952.95	8952.95	8952.93	8952.90	8952.83
48.0	8849.96	8849.81	8849.67	8849.71	8849.76	8849.82	8849.88	8849.94	8849.97	8849.86
48.5	8746.52	8746.34	8746.18	8746.15	8746.15	8746.16	8746.18	8746.19	8746.20	8746.14
49.0	8641.21	8641.08	8640.97	8640.90	8640.85	8640.79	8640.75	8640.70	8640.66	8640.67
49.5	8532.96	8532.98	8532.98	8532.97	8532.94	8532.90	8532.86	8532.81	8532.76	8532.82
50.0	8421.80	8421.97	8422.11	8422.16	8422.17	8422.15	8422.11	8422.04	8421.95	8421.98
50.5	8307.21	8307.45	8307.67	8307.76	8307.80	8307.79	8307.72	8307.60	8307.42	8307.25
51.0	8189.72	8190.03	8190.29	8190.37	8190.37	8190.29	8190.11	8189.83	8189.45	8188.91
51.5	8070.03	8070.44	8070.76	8070.74	8070.58	8070.25	8069.77	8069.11	8068.27	8067.04
52.0	7947.24	7947.65	7947.90	7947.70	7947.28	7946.63	7945.76	7944.65	7943.29	7941.31
52.5	7819.94	7820.04	7819.94	7819.43	7818.68	7817.68	7816.43	7814.91	7813.13	7810.56
53.0	7690.32	7690.01	7689.47	7688.59	7687.46	7686.08	7684.45	7682.56	7680.41	7677.43
53.5	7560.32	7559.60	7558.65	7557.35	7555.80	7554.03	7552.02	7549.80	7547.38	7544.29
54.0	7429.30	7428.26	7426.97	7425.28	7423.37	7421.24	7418.93	7416.45	7413.84	7410.86
54.5	7297.05	7295.92	7294.51	7292.55	7290.34	7287.94	7285.39	7282.73	7280.02	7277.30
55.0	7164.22	7163.10	7161.68	7159.61	7157.30	7154.82	7152.23	7149.58	7146.94	7144.57
55.5	7031.12	7029.95	7028.56	7026.73	7024.74	7022.63	7020.44	7018.22	7016.01	7014.04
56.0	6898.58	6897.44	6896.16	6894.68	6893.09	6891.42	6889.70	6887.96	6886.22	6884.59
56.5	6768.06	6767.20	6766.21	6764.90	6763.49	6761.99	6760.43	6758.83	6757.23	6755.75
57.0	6638.07	6637.45	6636.71	6635.54	6634.24	6632.86	6631.40	6629.90	6628.40	6627.03
57.5	6507.37	6506.61	6505.78	6504.75	6503.65	6502.50	6501.31	6500.10	6498.87	6497.70
58.0	6376.60	6375.72	6374.81	6373.86	6372.88	6371.89	6370.89	6369.89	6368.89	6367.96
58.5	6246.24	6245.70	6245.06	6243.99	6242.85	6241.66	6240.48	6239.33	6238.25	6237.62
59.0	6115.54	6115.37	6115.05	6113.89	6112.60	6111.24	6109.88	6108.57	6107.40	6107.00
59.5	5984.15	5984.02	5983.77	5982.79	5981.70	5980.55	5979.40	5978.29	5977.29	5976.88
60.0	5851.37	5851.20	5850.96	5850.27	5849.50	5848.68	5847.85	5847.02	5846.23	5845.67
60.5	5716.50	5716.39	5716.25	5715.90	5715.48	5715.01	5714.47	5713.87	5713.21	5712.24
61.0	5579.28	5579.16	5579.05	5578.95	5578.80	5578.58	5578.26	5577.82	5577.22	5575.87
61.5	5438.99	5438.62	5438.28	5438.11	5437.92	5437.69	5437.38	5436.95	5436.38	5435.02
62.0	5296.29	5295.65	5295.05	5294.69	5294.33	5293.96	5293.53	5293.01	5292.38	5291.05
62.5	5151.25	5150.54	5149.84	5149.33	5148.81	5148.25	5147.63	5146.91	5146.08	5144.53
63.0	5004.91	5004.18	5003.43	5002.69	5001.90	5001.06	5000.15	4999.15	4998.06	4996.34
63.5	4858.58	4857.81	4856.95	4855.72	4854.39	4852.99	4851.55	4850.09	4848.63	4847.07
64.0	4711.56	4710.75	4709.78	4708.14	4706.39	4704.57	4702.76	4701.00	4699.36	4698.19
64.5	4562.57	4561.68	4560.70	4559.14	4557.53	4555.92	4554.39	4552.99	4551.79	4551.39
65.0	4414.61	4413.66	4412.69	4411.35	4410.04	4408.82	4407.74	4406.86	4406.24	4406.63
65.5	4271.28	4270.14	4269.05	4267.91	4266.88	4266.00	4265.30	4264.83	4264.63	4265.41
66.0	4129.54	4128.55	4127.61	4126.52	4125.54	4124.71	4124.08	4123.70	4123.62	4124.74
66.5	3987.70	3988.03	3988.21	3986.66	3984.99	3983.34	3981.85	3980.66	3979.92	3981.67
67.0	3845.33	3846.92	3848.16	3846.12	3843.72	3841.21	3838.81	3836.76	3835.28	3837.54
67.5	3701.25	3702.87	3704.10	3701.90	3699.32	3696.61	3694.02	3691.77	3690.13	3692.41
68.0	3555.97	3557.10	3557.91	3555.86	3553.50	3551.05	3548.72	3546.72	3545.25	3547.22
68.5	3408.92	3409.28	3409.52	3408.20	3406.76	3405.32	3403.98	3402.87	3402.09	3403.31
69.0	3262.07	3261.73	3261.44	3260.85	3260.31	3259.85	3259.47	3259.22	3259.10	3259.58
69.5	3117.44	3117.07	3116.73	3116.16	3115.62	3115.15	3114.75	3114.45	3114.27	3114.58
70.0	2974.34	2974.07	2973.79	2973.10	2972.42	2971.77	2971.18	2970.70	2970.35	2970.63
70.5	2832.93	2832.49	2832.10	2831.64	2831.23	2830.88	2830.58	2830.35	2830.20	2830.33
71.0	2692.62	2691.98	2691.45	2691.25	2691.16	2691.15	2691.21	2691.30	2691.42	2691.43
71.5	2552.15	2551.35	2550.70	2550.61	2550.68	2550.85	2551.11	2551.41	2551.72	2551.78
72.0	2413.67	2412.80	2412.12	2412.07	2412.18	2412.43	2412.78	2413.17	2413.58	2413.72
72.5	2279.86	2279.21	2278.69	2278.57	2278.58	2278.69	2278.89	2279.14	2279.42	2279.51
73.0	2147.85	2147.44	2147.12	2146.95	2146.86	2146.84	2146.88	2146.97	2147.10	2147.18
73.5	2014.72	2014.40	2014.15	2014.09	2014.12	2014.20	2014.34	2014.52	2014.74	2014.97
74.0	1883.23	1882.94	1882.73	1882.81	1882.97	1883.20	1883.46	1883.76	1884.07	1884.41

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CANDELA TABULATION - (Cont.)

74.5	1755.30	1755.13	1755.04	1755.10	1755.23	1755.40	1755.60	1755.82	1756.05	1756.20
75.0	1630.45	1630.30	1630.23	1630.31	1630.44	1630.62	1630.81	1631.01	1631.19	1631.09
75.5	1509.21	1508.66	1508.24	1508.51	1508.90	1509.37	1509.87	1510.35	1510.77	1510.46
76.0	1390.53	1389.67	1389.00	1389.53	1390.26	1391.10	1391.99	1392.82	1393.54	1393.13
76.5	1272.51	1272.03	1271.78	1272.74	1273.90	1275.17	1276.45	1277.66	1278.71	1278.47
77.0	1158.25	1158.28	1158.52	1159.67	1160.99	1162.39	1163.78	1165.10	1166.25	1166.28
77.5	1051.00	1051.23	1051.53	1052.02	1052.56	1053.14	1053.72	1054.30	1054.85	1055.12
78.0	948.35	948.67	948.93	948.71	948.44	948.16	947.91	947.73	947.67	948.15
78.5	848.53	848.89	849.18	848.91	848.58	848.24	847.95	847.75	847.71	848.39
79.0	752.81	753.22	753.59	753.62	753.62	753.64	753.70	753.84	754.09	754.83
79.5	661.30	661.93	662.64	663.49	664.39	665.30	666.19	667.06	667.87	668.21
80.0	575.79	576.46	577.30	578.77	580.35	581.96	583.54	585.00	586.28	586.34
80.5	498.93	498.78	498.77	499.61	500.61	501.72	502.91	504.11	505.27	505.86
81.0	428.26	427.50	426.84	426.89	427.12	427.53	428.11	428.87	429.79	431.11
81.5	361.30	361.45	361.64	361.80	362.05	362.42	362.94	363.65	364.58	366.47
82.0	300.73	302.00	303.25	303.57	303.87	304.21	304.65	305.28	306.15	308.46
82.5	249.40	251.04	252.52	252.35	252.05	251.73	251.51	251.53	251.89	254.45
83.0	204.35	205.89	207.19	206.60	205.82	205.00	204.29	203.85	203.82	206.35
83.5	163.06	163.69	164.21	163.90	163.55	163.22	163.03	163.05	163.37	165.30
84.0	127.02	126.89	126.79	126.98	127.26	127.65	128.17	128.83	129.63	130.94
84.5	96.76	97.21	97.71	98.35	99.05	99.83	100.69	101.64	102.68	103.94
85.0	72.76	73.95	75.16	76.11	77.05	78.01	79.00	80.04	81.13	82.42
85.5	56.77	57.87	58.96	59.81	60.64	61.46	62.29	63.13	64.01	65.05
86.0	45.57	46.31	47.02	47.57	48.11	48.63	49.14	49.67	50.22	50.93
86.5	36.39	36.64	36.89	37.00	37.11	37.22	37.35	37.50	37.68	38.05
87.0	29.63	29.51	29.38	29.16	28.94	28.74	28.56	28.43	28.35	28.44
87.5	25.13	25.10	25.07	24.98	24.90	24.82	24.75	24.70	24.68	24.75
88.0	21.84	22.05	22.24	22.40	22.54	22.68	22.81	22.94	23.06	23.20
88.5	18.45	18.81	19.14	19.38	19.59	19.78	19.96	20.12	20.29	20.48
89.0	15.63	16.05	16.44	16.68	16.88	17.06	17.23	17.39	17.55	17.78
89.5	13.67	13.96	14.23	14.39	14.53	14.66	14.78	14.90	15.02	15.20
90.0	12.45	12.46	12.48	12.48	12.50	12.52	12.55	12.58	12.63	12.70

**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	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13734.08	13734.07	13734.06	13734.03	13733.99	13733.92	13733.84	13733.77	13733.69	13733.63
1.0	13732.40	13732.41	13732.40	13732.38	13732.33	13732.20	13732.06	13731.92	13731.79	13731.67
1.5	13729.41	13729.47	13729.51	13729.53	13729.52	13729.36	13729.17	13728.98	13728.80	13728.65
2.0	13725.35	13725.45	13725.54	13725.61	13725.63	13725.45	13725.23	13725.01	13724.79	13724.61
2.5	13720.46	13720.57	13720.67	13720.73	13720.75	13720.54	13720.29	13720.04	13719.79	13719.58
3.0	13714.62	13714.72	13714.80	13714.84	13714.84	13714.62	13714.36	13714.10	13713.84	13713.62
3.5	13707.77	13707.83	13707.86	13707.86	13707.83	13707.64	13707.43	13707.22	13707.02	13706.85
4.0	13699.97	13699.99	13699.98	13699.95	13699.90	13699.74	13699.57	13699.40	13699.24	13699.12
4.5	13691.30	13691.33	13691.33	13691.31	13691.25	13691.05	13690.83	13690.61	13690.40	13690.21
5.0	13681.64	13681.71	13681.74	13681.75	13681.72	13681.48	13681.21	13680.94	13680.67	13680.43
5.5	13670.90	13671.01	13671.10	13671.16	13671.18	13671.01	13670.79	13670.57	13670.34	13670.13
6.0	13659.17	13659.32	13659.46	13659.57	13659.64	13659.52	13659.37	13659.20	13659.01	13658.83
6.5	13646.51	13646.67	13646.83	13646.95	13647.03	13646.88	13646.69	13646.48	13646.26	13646.05
7.0	13632.88	13633.03	13633.18	13633.29	13633.36	13633.16	13632.92	13632.67	13632.41	13632.17
7.5	13618.27	13618.37	13618.46	13618.54	13618.54	13618.35	13618.12	13617.89	13617.65	13617.45
8.0	13602.63	13602.68	13602.72	13602.74	13602.73	13602.54	13602.34	13602.13	13601.94	13601.77
8.5	13585.91	13586.00	13586.08	13586.13	13586.14	13585.97	13585.77	13585.56	13585.35	13585.17
9.0	13568.04	13568.16	13568.27	13568.35	13568.39	13568.23	13568.04	13567.84	13567.63	13567.44
9.5	13548.83	13548.88	13548.94	13548.96	13548.97	13548.84	13548.68	13548.53	13548.37	13548.24

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CANDELA TABULATION - (Cont.)

10.0	13528.56	13528.56	13528.55	13528.53	13528.50	13528.39	13528.27	13528.16	13528.05	13527.97
10.5	13507.63	13507.66	13507.67	13507.67	13507.64	13507.54	13507.42	13507.30	13507.19	13507.08
11.0	13485.60	13485.68	13485.74	13485.76	13485.76	13485.65	13485.53	13485.39	13485.24	13485.10
11.5	13462.06	13462.18	13462.28	13462.35	13462.37	13462.26	13462.12	13461.97	13461.80	13461.64
12.0	13437.29	13437.44	13437.56	13437.65	13437.69	13437.57	13437.42	13437.25	13437.07	13436.90
12.5	13411.41	13411.51	13411.59	13411.65	13411.68	13411.54	13411.38	13411.20	13411.03	13410.88
13.0	13384.52	13384.58	13384.62	13384.64	13384.63	13384.47	13384.28	13384.10	13383.92	13383.77
13.5	13356.89	13356.97	13357.03	13357.04	13357.02	13356.80	13356.55	13356.29	13356.04	13355.81
14.0	13328.18	13328.28	13328.35	13328.37	13328.33	13328.07	13327.77	13327.46	13327.15	13326.86
14.5	13298.02	13298.08	13298.11	13298.09	13298.04	13297.82	13297.58	13297.33	13297.08	13296.85
15.0	13266.72	13266.74	13266.72	13266.68	13266.61	13266.45	13266.26	13266.08	13265.90	13265.75
15.5	13234.51	13234.54	13234.54	13234.51	13234.45	13234.25	13234.03	13233.81	13233.61	13233.45
16.0	13201.27	13201.32	13201.33	13201.32	13201.27	13201.04	13200.79	13200.53	13200.30	13200.11
16.5	13166.97	13166.99	13166.99	13166.95	13166.89	13166.71	13166.51	13166.31	13166.13	13165.98
17.0	13131.61	13131.61	13131.58	13131.54	13131.46	13131.33	13131.19	13131.05	13130.93	13130.81
17.5	13095.14	13095.17	13095.18	13095.17	13095.13	13095.01	13094.87	13094.73	13094.60	13094.48
18.0	13057.63	13057.68	13057.72	13057.74	13057.72	13057.58	13057.42	13057.26	13057.11	13056.98
18.5	13019.16	13019.17	13019.16	13019.12	13019.06	13018.88	13018.68	13018.49	13018.32	13018.19
19.0	12979.65	12979.61	12979.54	12979.44	12979.32	12979.09	12978.85	12978.64	12978.45	12978.32
19.5	12939.05	12938.99	12938.91	12938.79	12938.65	12938.40	12938.15	12937.92	12937.72	12937.58
20.0	12897.31	12897.26	12897.18	12897.07	12896.93	12896.69	12896.44	12896.21	12896.02	12895.89
20.5	12854.36	12854.31	12854.23	12854.14	12854.02	12853.82	12853.62	12853.44	12853.29	12853.19
21.0	12810.34	12810.30	12810.24	12810.15	12810.06	12809.92	12809.79	12809.68	12809.58	12809.53
21.5	12765.39	12765.35	12765.30	12765.24	12765.18	12765.13	12765.09	12765.06	12765.05	12765.06
22.0	12719.52	12719.48	12719.43	12719.38	12719.33	12719.33	12719.34	12719.36	12719.39	12719.45
22.5	12672.91	12672.85	12672.76	12672.66	12672.55	12672.47	12672.40	12672.34	12672.30	12672.29
23.0	12625.21	12625.11	12624.97	12624.81	12624.63	12624.46	12624.29	12624.14	12624.02	12623.94
23.5	12575.93	12575.79	12575.60	12575.40	12575.19	12575.01	12574.84	12574.70	12574.60	12574.55
24.0	12525.55	12525.37	12525.17	12524.96	12524.74	12524.57	12524.42	12524.32	12524.25	12524.24
24.5	12474.45	12474.33	12474.17	12474.00	12473.82	12473.68	12473.55	12473.44	12473.37	12473.33
25.0	12422.34	12422.28	12422.19	12422.08	12421.95	12421.82	12421.69	12421.58	12421.48	12421.41
25.5	12369.00	12368.97	12368.91	12368.83	12368.73	12368.59	12368.43	12368.29	12368.17	12368.08
26.0	12314.53	12314.52	12314.50	12314.44	12314.37	12314.19	12314.01	12313.84	12313.69	12313.58
26.5	12258.95	12258.99	12259.00	12258.98	12258.93	12258.75	12258.56	12258.37	12258.20	12258.07
27.0	12202.31	12202.37	12202.41	12202.42	12202.39	12202.21	12202.00	12201.79	12201.61	12201.46
27.5	12144.65	12144.71	12144.74	12144.74	12144.71	12144.49	12144.25	12144.01	12143.79	12143.62
28.0	12085.98	12086.02	12086.04	12086.03	12085.97	12085.72	12085.45	12085.18	12084.94	12084.74
28.5	12026.38	12026.41	12026.42	12026.39	12026.32	12026.06	12025.78	12025.51	12025.26	12025.06
29.0	11965.68	11965.70	11965.69	11965.64	11965.56	11965.30	11965.02	11964.74	11964.48	11964.28
29.5	11903.58	11903.60	11903.58	11903.54	11903.45	11903.16	11902.86	11902.56	11902.28	11902.04
30.0	11840.48	11840.49	11840.46	11840.40	11840.30	11839.99	11839.65	11839.32	11839.01	11838.75
30.5	11776.88	11776.82	11776.73	11776.60	11776.43	11776.08	11775.71	11775.36	11775.03	11774.76
31.0	11712.15	11712.08	11711.97	11711.80	11711.60	11711.22	11710.82	11710.44	11710.08	11709.79
31.5	11645.73	11645.80	11645.84	11645.81	11645.72	11645.33	11644.90	11644.46	11644.03	11643.66
32.0	11578.05	11578.29	11578.49	11578.63	11578.69	11578.29	11577.83	11577.33	11576.84	11576.40
32.5	11509.39	11509.68	11509.94	11510.14	11510.25	11509.86	11509.39	11508.89	11508.40	11507.95
33.0	11439.65	11439.99	11440.30	11440.54	11440.68	11440.28	11439.80	11439.29	11438.78	11438.32
33.5	11368.82	11369.29	11369.71	11370.06	11370.28	11369.80	11369.21	11368.57	11367.94	11367.37
34.0	11296.97	11297.53	11298.05	11298.48	11298.76	11298.21	11297.52	11296.78	11296.04	11295.38
34.5	11224.21	11224.71	11225.18	11225.57	11225.83	11225.31	11224.67	11223.98	11223.30	11222.69
35.0	11150.43	11150.86	11151.27	11151.60	11151.83	11151.33	11150.74	11150.11	11149.50	11148.96
35.5	11075.54	11076.01	11076.44	11076.80	11077.04	11076.48	11075.82	11075.12	11074.43	11073.82
36.0	10999.62	11000.15	11000.63	11001.03	11001.29	11000.66	10999.90	10999.10	10998.31	10997.61
36.5	10922.77	10923.34	10923.87	10924.30	10924.58	10923.88	10923.06	10922.18	10921.31	10920.54
37.0	10844.88	10845.45	10845.98	10846.40	10846.68	10845.98	10845.15	10844.26	10843.40	10842.62
37.5	10765.88	10766.28	10766.66	10766.96	10767.15	10766.63	10766.00	10765.35	10764.71	10764.15

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38.0	10685.73	10686.01	10686.27	10686.48	10686.61	10686.24	10685.81	10685.35	10684.91	10684.53
38.5	10604.36	10604.81	10605.24	10605.61	10605.86	10605.39	10604.82	10604.22	10603.63	10603.10
39.0	10521.88	10522.49	10523.07	10523.58	10523.94	10523.35	10522.63	10521.86	10521.11	10520.44
39.5	10438.46	10438.88	10439.26	10439.58	10439.80	10439.29	10438.70	10438.08	10437.50	10437.00
40.0	10353.93	10354.11	10354.27	10354.38	10354.43	10354.03	10353.59	10353.15	10352.75	10352.45
40.5	10268.04	10268.23	10268.39	10268.51	10268.57	10268.14	10267.67	10267.21	10266.79	10266.47
41.0	10181.12	10181.37	10181.60	10181.78	10181.89	10181.42	10180.89	10180.36	10179.88	10179.50
41.5	10093.45	10093.73	10094.01	10094.25	10094.40	10093.94	10093.42	10092.89	10092.41	10092.02
42.0	10004.80	10005.11	10005.42	10005.69	10005.88	10005.44	10004.95	10004.43	10003.96	10003.58
42.5	9915.05	9915.37	9915.68	9915.94	9916.12	9915.71	9915.24	9914.74	9914.27	9913.87
43.0	9824.18	9824.46	9824.72	9824.93	9825.05	9824.67	9824.22	9823.75	9823.29	9822.89
43.5	9732.10	9732.20	9732.29	9732.33	9732.32	9731.94	9731.52	9731.10	9730.70	9730.36
44.0	9638.87	9638.82	9638.76	9638.67	9638.55	9638.17	9637.77	9637.38	9637.02	9636.73
44.5	9544.63	9544.66	9544.67	9544.64	9544.56	9544.17	9543.74	9543.30	9542.89	9542.52
45.0	9449.11	9449.22	9449.31	9449.36	9449.35	9448.98	9448.56	9448.12	9447.69	9447.28
45.5	9351.86	9351.85	9351.83	9351.80	9351.74	9351.56	9351.36	9351.14	9350.93	9350.72
46.0	9253.47	9253.33	9253.19	9253.06	9252.94	9252.91	9252.89	9252.88	9252.87	9252.84
46.5	9154.55	9154.43	9154.32	9154.19	9154.07	9153.94	9153.81	9153.68	9153.55	9153.42
47.0	9054.48	9054.42	9054.35	9054.25	9054.12	9053.89	9053.64	9053.37	9053.10	9052.84
47.5	8952.74	8952.64	8952.53	8952.40	8952.27	8952.17	8952.05	8951.93	8951.79	8951.65
48.0	8849.74	8849.60	8849.45	8849.31	8849.17	8849.18	8849.19	8849.20	8849.18	8849.14
48.5	8746.07	8745.99	8745.90	8745.79	8745.67	8745.58	8745.47	8745.34	8745.19	8745.02
49.0	8640.67	8640.64	8640.60	8640.51	8640.38	8640.09	8639.75	8639.38	8638.98	8638.57
49.5	8532.86	8532.86	8532.82	8532.70	8532.51	8531.96	8531.33	8530.66	8529.97	8529.28
50.0	8421.97	8421.90	8421.75	8421.50	8421.14	8420.27	8419.31	8418.30	8417.28	8416.29
50.5	8307.02	8306.69	8306.26	8305.71	8305.02	8303.76	8302.40	8301.01	8299.65	8298.37
51.0	8188.26	8187.49	8186.60	8185.59	8184.45	8182.77	8181.04	8179.32	8177.66	8176.15
51.5	8065.65	8064.12	8062.47	8060.73	8058.92	8056.85	8054.81	8052.84	8051.02	8049.41
52.0	7939.14	7936.82	7934.41	7931.96	7929.53	7927.19	7924.97	7922.93	7921.11	7919.55
52.5	7807.79	7804.90	7801.97	7799.09	7796.32	7794.06	7792.02	7790.23	7788.72	7787.52
53.0	7674.27	7671.04	7667.83	7664.72	7661.82	7659.72	7657.92	7656.44	7655.28	7654.45
53.5	7541.09	7537.86	7534.68	7531.64	7528.83	7526.74	7524.97	7523.54	7522.45	7521.72
54.0	7407.83	7404.81	7401.88	7399.10	7396.53	7394.47	7392.72	7391.29	7390.21	7389.51
54.5	7274.61	7271.99	7269.48	7267.12	7264.96	7263.07	7261.45	7260.14	7259.18	7258.60
55.0	7142.29	7140.11	7138.05	7136.14	7134.40	7132.68	7131.19	7129.99	7129.13	7128.64
55.5	7012.13	7010.31	7008.58	7006.96	7005.45	7003.79	7002.32	7001.11	7000.21	6999.69
56.0	6883.01	6881.46	6879.97	6878.55	6877.20	6875.56	6874.07	6872.81	6871.86	6871.28
56.5	6754.30	6752.88	6751.50	6750.17	6748.89	6747.24	6745.74	6744.45	6743.48	6742.89
57.0	6625.68	6624.36	6623.07	6621.81	6620.60	6618.98	6617.49	6616.22	6615.25	6614.67
57.5	6496.54	6495.39	6494.26	6493.16	6492.08	6490.59	6489.22	6488.04	6487.13	6486.59
58.0	6367.03	6366.13	6365.24	6364.36	6363.50	6362.24	6361.07	6360.05	6359.27	6358.78
58.5	6237.07	6236.60	6236.17	6235.76	6235.36	6234.46	6233.60	6232.86	6232.27	6231.92
59.0	6106.75	6106.61	6106.55	6106.53	6106.52	6105.99	6105.47	6105.02	6104.67	6104.46
59.5	5976.61	5976.44	5976.35	5976.31	5976.30	5976.02	5975.76	5975.55	5975.42	5975.37
60.0	5845.17	5844.74	5844.37	5844.08	5843.86	5843.75	5843.70	5843.72	5843.78	5843.90
60.5	5711.24	5710.26	5709.34	5708.53	5707.85	5707.85	5707.98	5708.21	5708.48	5708.76
61.0	5574.41	5572.93	5571.50	5570.20	5569.09	5569.13	5569.37	5569.72	5570.13	5570.51
61.5	5433.54	5432.04	5430.58	5429.24	5428.08	5428.04	5428.19	5428.45	5428.75	5429.01
62.0	5289.64	5288.21	5286.83	5285.56	5284.45	5284.36	5284.43	5284.60	5284.80	5284.96
62.5	5142.91	5141.29	5139.75	5138.35	5137.17	5137.17	5137.39	5137.74	5138.13	5138.50
63.0	4994.60	4992.90	4991.31	4989.91	4988.78	4988.94	4989.35	4989.92	4990.56	4991.17
63.5	4845.58	4844.21	4843.01	4842.02	4841.30	4841.63	4842.19	4842.89	4843.63	4844.35
64.0	4697.20	4696.41	4695.81	4695.43	4695.25	4695.75	4696.40	4697.13	4697.89	4698.59
64.5	4551.22	4551.26	4551.46	4551.81	4552.26	4552.87	4553.52	4554.17	4554.78	4555.31
65.0	4407.27	4408.10	4409.05	4410.06	4411.07	4411.69	4412.24	4412.70	4413.07	4413.33
65.5	4266.43	4267.59	4268.84	4270.09	4271.27	4271.75	4272.11	4272.35	4272.50	4272.57

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66.0	4126.10	4127.60	4129.14	4130.61	4131.93	4132.07	4132.00	4131.79	4131.48	4131.15
66.5	3983.81	3986.15	3988.50	3990.68	3992.50	3991.85	3990.80	3989.47	3988.02	3986.59
67.0	3840.33	3843.38	3846.44	3849.21	3851.45	3850.04	3848.03	3845.66	3843.13	3840.66
67.5	3695.24	3698.34	3701.43	3704.21	3706.41	3704.66	3702.28	3699.53	3696.66	3693.91
68.0	3549.68	3552.38	3555.05	3557.46	3559.34	3557.58	3555.28	3552.68	3550.03	3547.55
68.5	3404.83	3406.49	3408.13	3409.62	3410.79	3409.58	3408.09	3406.48	3404.92	3403.60
69.0	3260.17	3260.81	3261.46	3262.05	3262.55	3261.97	3261.34	3260.77	3260.36	3260.21
69.5	3114.98	3115.44	3115.93	3116.40	3116.81	3116.37	3115.93	3115.58	3115.40	3115.49
70.0	2971.03	2971.51	2972.02	2972.52	2972.96	2972.55	2972.12	2971.75	2971.53	2971.54
70.5	2830.51	2830.73	2830.97	2831.18	2831.36	2831.07	2830.76	2830.48	2830.27	2830.17
71.0	2691.43	2691.43	2691.41	2691.37	2691.30	2691.12	2690.91	2690.70	2690.49	2690.30
71.5	2551.81	2551.82	2551.79	2551.74	2551.66	2551.46	2551.25	2551.05	2550.87	2550.73
72.0	2413.83	2413.91	2413.97	2414.00	2414.02	2413.87	2413.73	2413.62	2413.56	2413.58
72.5	2279.62	2279.75	2279.90	2280.07	2280.29	2280.61	2280.96	2281.36	2281.79	2282.25
73.0	2147.30	2147.46	2147.69	2147.97	2148.33	2148.92	2149.57	2150.26	2150.97	2151.69
73.5	2015.21	2015.44	2015.67	2015.87	2016.05	2015.85	2015.66	2015.51	2015.45	2015.53
74.0	1884.72	1884.97	1885.15	1885.23	1885.18	1884.28	1883.33	1882.43	1881.69	1881.20
74.5	1756.33	1756.44	1756.53	1756.58	1756.60	1756.23	1755.87	1755.58	1755.43	1755.45
75.0	1630.97	1630.87	1630.81	1630.82	1630.91	1631.33	1631.85	1632.46	1633.15	1633.91
75.5	1510.08	1509.71	1509.38	1509.17	1509.11	1509.91	1510.87	1511.94	1513.08	1514.23
76.0	1392.61	1392.04	1391.51	1391.11	1390.90	1391.89	1393.08	1394.40	1395.76	1397.10
76.5	1278.06	1277.56	1277.07	1276.66	1276.43	1277.40	1278.55	1279.81	1281.08	1282.30
77.0	1166.13	1165.89	1165.62	1165.40	1165.29	1166.14	1167.12	1168.16	1169.22	1170.22
77.5	1055.36	1055.60	1055.86	1056.17	1056.54	1057.21	1057.96	1058.77	1059.62	1060.50
78.0	948.76	949.47	950.26	951.09	951.95	952.49	953.06	953.68	954.36	955.15
78.5	849.23	850.19	851.21	852.26	853.30	853.85	854.38	854.92	855.51	856.18
79.0	755.69	756.63	757.63	758.64	759.66	760.38	761.08	761.78	762.49	763.23
79.5	668.50	668.81	669.16	669.60	670.17	671.49	672.93	674.44	675.95	677.42
80.0	586.24	586.08	585.97	586.00	586.26	588.04	590.05	592.17	594.31	596.35
80.5	506.40	506.94	507.52	508.18	508.95	510.38	511.92	513.51	515.11	516.67
81.0	432.54	434.05	435.58	437.09	438.53	439.37	440.14	440.88	441.61	442.38
81.5	368.51	370.61	372.69	374.65	376.41	376.76	376.92	376.97	377.02	377.15
82.0	310.97	313.53	316.03	318.34	320.32	320.30	319.98	319.50	319.00	318.63
82.5	257.32	260.31	263.27	266.02	268.38	268.21	267.66	266.90	266.10	265.43
83.0	209.25	212.35	215.45	218.37	220.91	220.82	220.35	219.66	218.91	218.27
83.5	167.50	169.84	172.20	174.45	176.49	176.88	177.03	177.03	177.00	177.02
84.0	132.38	133.88	135.42	136.95	138.42	139.40	140.31	141.16	141.98	142.79
84.5	105.28	106.69	108.15	109.65	111.16	112.74	114.30	115.82	117.26	118.59
85.0	83.78	85.20	86.69	88.22	89.80	91.68	93.55	95.36	97.06	98.61
85.5	66.13	67.24	68.37	69.52	70.68	71.94	73.17	74.37	75.50	76.54
86.0	51.66	52.40	53.13	53.84	54.52	55.02	55.49	55.94	56.37	56.80
86.5	38.45	38.88	39.33	39.78	40.23	40.57	40.90	41.22	41.55	41.87
87.0	28.60	28.80	29.04	29.32	29.63	29.95	30.28	30.62	30.96	31.30
87.5	24.85	24.98	25.13	25.30	25.48	25.67	25.87	26.07	26.27	26.47
88.0	23.33	23.47	23.59	23.72	23.84	23.94	24.05	24.14	24.23	24.31
88.5	20.67	20.86	21.05	21.24	21.41	21.59	21.76	21.92	22.07	22.21
89.0	18.02	18.26	18.50	18.75	18.99	19.25	19.51	19.76	19.99	20.20
89.5	15.39	15.58	15.79	16.00	16.22	16.46	16.70	16.94	17.17	17.37
90.0	12.78	12.87	12.97	13.08	13.21	13.37	13.54	13.71	13.87	14.03

**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	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13733.58	13733.61	13733.65	13733.70	13733.74	13733.78	13733.81	13733.82	13733.81	13733.80
1.0	13731.58	13731.66	13731.76	13731.87	13731.97	13732.05	13732.09	13732.12	13732.11	13732.05

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1.5	13728.53	13728.69	13728.88	13729.07	13729.24	13729.37	13729.43	13729.50	13729.47	13729.37
2.0	13724.47	13724.70	13724.96	13725.23	13725.45	13725.62	13725.69	13725.77	13725.72	13725.56
2.5	13719.41	13719.65	13719.92	13720.18	13720.42	13720.58	13720.63	13720.67	13720.56	13720.35
3.0	13713.44	13713.67	13713.94	13714.19	13714.40	13714.54	13714.56	13714.55	13714.41	13714.15
3.5	13706.72	13706.99	13707.28	13707.54	13707.74	13707.84	13707.79	13707.82	13707.67	13707.39
4.0	13699.03	13699.34	13699.65	13699.92	13700.11	13700.17	13700.05	13700.13	13700.00	13699.69
4.5	13690.08	13690.41	13690.75	13691.04	13691.22	13691.26	13691.09	13691.20	13691.07	13690.74
5.0	13680.24	13680.58	13680.92	13681.21	13681.38	13681.38	13681.14	13681.27	13681.13	13680.77
5.5	13669.95	13670.27	13670.58	13670.80	13670.89	13670.77	13670.39	13670.48	13670.29	13669.89
6.0	13658.67	13658.98	13659.26	13659.44	13659.46	13659.24	13658.74	13658.80	13658.57	13658.12
6.5	13645.87	13646.22	13646.55	13646.78	13646.84	13646.67	13646.20	13646.29	13646.06	13645.58
7.0	13631.98	13632.39	13632.79	13633.09	13633.23	13633.12	13632.70	13632.85	13632.63	13632.14
7.5	13617.29	13617.79	13618.26	13618.62	13618.80	13618.71	13618.26	13618.45	13618.25	13617.76
8.0	13601.64	13602.21	13602.73	13603.14	13603.33	13603.22	13602.72	13602.96	13602.80	13602.31
8.5	13585.03	13585.58	13586.09	13586.46	13586.61	13586.44	13585.85	13586.20	13586.09	13585.63
9.0	13567.28	13567.82	13568.32	13568.66	13568.76	13568.52	13567.85	13568.29	13568.23	13567.78
9.5	13548.14	13548.75	13549.31	13549.70	13549.82	13549.58	13548.87	13549.33	13549.27	13548.79
10.0	13527.93	13528.61	13529.22	13529.65	13529.79	13529.54	13528.79	13529.25	13529.16	13528.64
10.5	13507.01	13507.67	13508.26	13508.64	13508.72	13508.37	13507.49	13507.96	13507.85	13507.29
11.0	13484.98	13485.62	13486.17	13486.50	13486.51	13486.08	13485.08	13485.56	13485.45	13484.87
11.5	13461.50	13462.16	13462.72	13463.06	13463.08	13462.64	13461.63	13462.18	13462.11	13461.55
12.0	13436.75	13437.45	13438.05	13438.44	13438.49	13438.08	13437.08	13437.72	13437.70	13437.17
12.5	13410.75	13411.53	13412.21	13412.67	13412.78	13412.41	13411.43	13412.13	13412.15	13411.62
13.0	13383.65	13384.50	13385.26	13385.78	13385.94	13385.60	13384.61	13385.39	13385.44	13384.92
13.5	13355.63	13356.48	13357.24	13357.76	13357.91	13357.52	13356.46	13357.34	13357.47	13357.01
14.0	13326.62	13327.46	13328.21	13328.72	13328.83	13328.40	13327.27	13328.23	13328.43	13328.02
14.5	13296.67	13297.52	13298.28	13298.79	13298.90	13298.47	13297.35	13298.31	13298.50	13298.07
15.0	13265.64	13266.53	13267.31	13267.84	13267.98	13267.57	13266.48	13267.43	13267.60	13267.15
15.5	13233.33	13234.30	13235.17	13235.80	13236.02	13235.68	13234.62	13235.61	13235.78	13235.30
16.0	13199.99	13201.02	13201.97	13202.67	13202.95	13202.65	13201.59	13202.65	13202.86	13202.38
16.5	13165.87	13166.90	13167.82	13168.45	13168.64	13168.22	13167.03	13168.24	13168.57	13168.21
17.0	13130.73	13131.74	13132.61	13133.17	13133.26	13132.72	13131.37	13132.73	13133.19	13132.92
17.5	13094.40	13095.41	13096.29	13096.87	13096.96	13096.39	13095.01	13096.42	13096.89	13096.62
18.0	13056.89	13057.95	13058.88	13059.50	13059.64	13059.11	13057.75	13059.17	13059.62	13059.31
18.5	13018.10	13019.26	13020.30	13021.03	13021.27	13020.84	13019.55	13020.96	13021.40	13021.05
19.0	12978.25	12979.51	12980.67	12981.51	12981.86	12981.51	12980.29	12981.71	12982.12	12981.73
19.5	12937.52	12938.85	12940.08	12940.99	12941.39	12941.08	12939.87	12941.29	12941.68	12941.23
20.0	12895.83	12897.20	12898.45	12899.39	12899.80	12899.48	12898.23	12899.71	12900.10	12899.64
20.5	12853.15	12854.49	12855.70	12856.58	12856.92	12856.53	12855.19	12856.84	12857.39	12857.05
21.0	12809.52	12810.81	12811.96	12812.75	12813.00	12812.50	12811.05	12812.86	12813.54	12813.32
21.5	12765.10	12766.36	12767.46	12768.18	12768.33	12767.71	12766.13	12767.87	12768.50	12768.24
22.0	12719.51	12720.78	12721.85	12722.54	12722.63	12721.93	12720.24	12721.91	12722.46	12722.13
22.5	12672.31	12673.63	12674.77	12675.52	12675.68	12675.03	12673.36	12675.10	12675.70	12675.37
23.0	12623.91	12625.31	12626.54	12627.39	12627.64	12627.07	12625.45	12627.31	12627.97	12627.64
23.5	12574.56	12576.05	12577.38	12578.32	12578.64	12578.13	12576.55	12578.48	12579.15	12578.82
24.0	12524.29	12525.85	12527.23	12528.22	12528.58	12528.08	12526.48	12528.46	12529.15	12528.79
24.5	12473.35	12474.86	12476.19	12477.09	12477.33	12476.69	12474.91	12476.94	12477.64	12477.29
25.0	12421.37	12422.83	12424.08	12424.90	12425.03	12424.25	12422.31	12424.38	12425.11	12424.77
25.5	12368.02	12369.48	12370.75	12371.59	12371.77	12371.05	12369.20	12371.34	12372.12	12371.82
26.0	12313.52	12315.01	12316.32	12317.22	12317.47	12316.84	12315.09	12317.29	12318.11	12317.82
26.5	12258.00	12259.53	12260.89	12261.82	12262.08	12261.42	12259.61	12261.81	12262.61	12262.26
27.0	12201.36	12202.96	12204.37	12205.33	12205.59	12204.89	12202.98	12205.17	12205.91	12205.48
27.5	12143.51	12145.17	12146.64	12147.66	12147.96	12147.28	12145.35	12147.48	12148.15	12147.64
28.0	12084.62	12086.33	12087.86	12088.92	12089.25	12088.58	12086.63	12088.74	12089.36	12088.79
28.5	12024.93	12026.67	12028.21	12029.28	12029.59	12028.88	12026.87	12029.01	12029.64	12029.05
29.0	11964.14	11965.88	11967.42	11968.48	11968.77	11968.01	11965.92	11968.17	11968.87	11968.32

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29.5	11901.88	11903.61	11905.14	11906.18	11906.46	11905.67	11903.54	11906.05	11906.94	11906.54
30.0	11838.56	11840.29	11841.81	11842.85	11843.11	11842.31	11840.17	11842.88	11843.93	11843.65
30.5	11774.57	11776.31	11777.86	11778.93	11779.21	11778.43	11776.30	11778.93	11779.90	11779.52
31.0	11709.58	11711.36	11712.94	11714.03	11714.34	11713.57	11711.43	11713.96	11714.81	11714.31
31.5	11643.38	11645.18	11646.78	11647.88	11648.17	11647.36	11645.13	11647.76	11648.67	11648.19
32.0	11576.04	11577.87	11579.50	11580.61	11580.89	11580.03	11577.71	11580.45	11581.41	11580.95
32.5	11507.59	11509.49	11511.18	11512.34	11512.65	11511.77	11509.40	11512.03	11512.88	11512.29
33.0	11437.95	11439.92	11441.69	11442.91	11443.27	11442.43	11440.05	11442.59	11443.31	11442.61
33.5	11366.91	11368.93	11370.78	11372.10	11372.57	11371.85	11369.60	11372.22	11373.00	11372.30
34.0	11294.84	11296.91	11298.82	11300.24	11300.81	11300.21	11298.07	11300.83	11301.69	11301.04
34.5	11222.22	11224.33	11226.28	11227.72	11228.29	11227.67	11225.49	11228.32	11229.25	11228.64
35.0	11148.54	11150.70	11152.67	11154.12	11154.69	11154.03	11151.79	11154.68	11155.65	11155.09
35.5	11073.35	11075.52	11077.53	11079.02	11079.63	11079.03	11076.85	11079.79	11080.79	11080.25
36.0	10997.07	10999.25	11001.30	11002.84	11003.52	11002.98	11000.87	11003.84	11004.86	11004.33
36.5	10919.94	10922.19	10924.30	10925.91	10926.66	10926.17	10924.07	10927.08	10928.12	10927.57
37.0	10842.02	10844.32	10846.49	10848.13	10848.89	10848.38	10846.22	10849.27	10850.31	10849.74
37.5	10763.71	10766.00	10768.09	10769.61	10770.20	10769.47	10767.06	10770.13	10771.19	10770.64
38.0	10684.25	10686.52	10688.55	10689.97	10690.41	10689.51	10686.89	10689.96	10691.02	10690.45
38.5	10602.71	10605.03	10607.16	10608.69	10609.28	10608.52	10606.06	10609.06	10610.00	10609.30
39.0	10519.93	10522.35	10524.60	10526.29	10527.04	10526.47	10524.19	10527.13	10527.99	10527.17
39.5	10436.65	10439.19	10441.53	10443.27	10444.02	10443.38	10440.95	10444.03	10444.97	10444.21
40.0	10352.28	10354.94	10357.35	10359.11	10359.83	10359.08	10356.47	10359.67	10360.70	10359.99
40.5	10266.29	10268.99	10271.45	10273.27	10274.03	10273.32	10270.73	10273.84	10274.75	10273.91
41.0	10179.27	10181.98	10184.48	10186.33	10187.13	10186.46	10183.92	10186.86	10187.61	10186.61
41.5	10091.78	10094.53	10097.05	10098.91	10099.70	10099.00	10096.38	10099.18	10099.76	10098.60
42.0	10003.33	10006.08	10008.58	10010.41	10011.14	10010.35	10007.61	10010.33	10010.84	10009.59
42.5	9913.59	9916.24	9918.62	9920.30	9920.87	9919.91	9916.99	9919.88	9920.54	9919.44
43.0	9822.58	9825.13	9827.39	9828.94	9829.35	9828.22	9825.11	9828.25	9829.13	9828.23
43.5	9730.11	9732.69	9734.96	9736.50	9736.88	9735.67	9732.45	9735.81	9736.87	9736.09
44.0	9636.53	9639.15	9641.45	9642.99	9643.33	9642.05	9638.73	9642.28	9643.50	9642.83
44.5	9542.24	9544.82	9547.05	9548.51	9548.74	9547.31	9543.79	9547.51	9548.85	9548.29
45.0	9446.94	9449.45	9451.60	9452.93	9453.02	9451.41	9447.67	9451.52	9452.97	9452.49
45.5	9350.53	9352.98	9355.01	9356.19	9356.09	9354.27	9350.30	9354.23	9355.72	9355.25
46.0	9252.80	9255.20	9257.14	9258.20	9257.95	9255.96	9251.83	9255.87	9257.43	9257.00
46.5	9153.28	9155.69	9157.65	9158.74	9158.52	9156.56	9152.43	9156.74	9158.54	9158.30
47.0	9052.59	9055.01	9057.00	9058.13	9057.94	9056.01	9051.89	9056.47	9058.51	9058.49
47.5	8951.48	8953.87	8955.79	8956.80	8956.47	8954.37	8950.05	8954.75	8956.89	8956.94
48.0	8849.05	8851.40	8853.24	8854.15	8853.68	8851.40	8846.88	8851.68	8853.91	8854.02
48.5	8744.81	8747.17	8749.04	8749.97	8749.51	8747.23	8742.66	8747.63	8749.97	8750.17
49.0	8638.17	8640.54	8642.45	8643.44	8643.04	8640.80	8636.27	8641.55	8644.14	8644.53
49.5	8528.62	8530.94	8532.84	8533.84	8533.48	8531.29	8526.80	8532.82	8536.06	8537.00
50.0	8415.37	8417.65	8419.56	8420.60	8420.32	8418.22	8413.83	8420.54	8424.37	8425.85
50.5	8297.22	8299.54	8301.56	8302.75	8302.64	8300.73	8296.51	8303.26	8307.12	8308.65
51.0	8174.85	8177.26	8179.41	8180.79	8180.88	8179.18	8175.16	8181.92	8185.82	8187.39
51.5	8048.08	8050.55	8052.81	8054.33	8054.60	8053.08	8049.25	8056.68	8061.16	8063.27
52.0	7918.32	7920.91	7923.32	7925.01	7925.46	7924.11	7920.45	7928.52	7933.58	7936.17
52.5	7786.66	7789.53	7792.20	7794.13	7794.75	7793.54	7789.94	7798.11	7803.18	7805.73
53.0	7653.96	7657.13	7660.08	7662.25	7663.10	7662.06	7658.59	7666.66	7671.57	7673.92
53.5	7521.35	7524.67	7527.80	7530.20	7531.33	7530.63	7527.56	7535.57	7540.41	7542.65
54.0	7389.21	7392.65	7395.97	7398.61	7400.04	7399.72	7397.11	7404.96	7409.64	7411.70
54.5	7258.43	7262.13	7265.71	7268.65	7270.40	7270.42	7268.17	7275.58	7279.82	7281.45
55.0	7128.58	7132.50	7136.35	7139.55	7141.58	7141.88	7139.92	7146.91	7150.73	7151.94
55.5	6999.61	7003.65	7007.62	7010.97	7013.15	7013.60	7011.78	7018.76	7022.50	7023.58
56.0	6871.15	6875.27	6879.33	6882.78	6885.05	6885.61	6883.88	6890.90	6894.62	6895.61
56.5	6742.77	6747.00	6751.20	6754.80	6757.24	6757.95	6756.37	6763.17	6766.68	6767.47
57.0	6614.57	6618.88	6623.17	6626.85	6629.34	6630.10	6628.53	6635.12	6638.41	6639.01

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57.5	6486.47	6490.76	6494.96	6498.51	6500.81	6501.31	6499.41	6506.01	6509.29	6509.84
58.0	6358.67	6362.88	6366.92	6370.22	6372.20	6372.27	6369.86	6376.41	6379.62	6380.09
58.5	6231.85	6235.96	6239.82	6242.83	6244.40	6243.95	6240.89	6246.92	6249.67	6249.76
59.0	6104.46	6108.44	6112.06	6114.72	6115.83	6114.81	6111.06	6116.69	6119.09	6118.90
59.5	5975.45	5979.23	5982.54	5984.82	5985.47	5983.91	5979.55	5985.50	5988.16	5988.15
60.0	5844.05	5847.57	5850.53	5852.38	5852.52	5850.41	5845.47	5852.07	5855.29	5855.77
60.5	5709.00	5712.16	5714.66	5715.96	5715.49	5712.71	5707.07	5714.61	5718.75	5720.12
61.0	5570.78	5573.61	5575.72	5576.55	5575.57	5572.25	5566.04	5574.36	5579.31	5581.49
61.5	5429.15	5431.84	5433.79	5434.47	5433.33	5429.85	5423.49	5431.86	5436.92	5439.26
62.0	5285.02	5287.69	5289.64	5290.32	5289.19	5285.72	5279.36	5287.46	5292.28	5294.44
62.5	5138.76	5141.60	5143.68	5144.47	5143.41	5139.97	5133.59	5141.30	5145.67	5147.35
63.0	4991.67	4994.72	4997.00	4997.95	4997.02	4993.66	4987.31	4994.52	4998.33	4999.39
63.5	4844.95	4848.18	4850.64	4851.76	4850.98	4847.74	4841.47	4848.12	4851.35	4851.81
64.0	4699.18	4702.52	4705.11	4706.36	4705.72	4702.63	4696.52	4702.67	4705.39	4705.37
64.5	4555.71	4558.94	4561.44	4562.66	4562.07	4559.10	4553.22	4559.13	4561.66	4561.47
65.0	4413.47	4416.58	4419.01	4420.25	4419.75	4416.99	4411.44	4417.24	4419.70	4419.47
65.5	4272.57	4275.82	4278.47	4279.99	4279.83	4277.47	4272.35	4277.95	4280.23	4279.83
66.0	4130.84	4134.19	4137.05	4138.88	4139.14	4137.27	4132.73	4138.50	4140.91	4140.60
66.5	3985.31	3988.34	3991.10	3993.06	3993.67	3992.39	3988.68	3995.79	3999.38	4000.06
67.0	3838.48	3841.21	3843.89	3845.99	3846.96	3846.29	3843.43	3851.73	3856.39	3857.98
67.5	3691.53	3694.31	3697.16	3699.55	3700.96	3700.84	3698.68	3706.66	3711.15	3712.74
68.0	3545.49	3548.62	3551.86	3554.66	3556.50	3556.84	3555.14	3562.17	3565.86	3566.82
68.5	3402.69	3406.74	3410.79	3414.25	3416.56	3417.14	3415.43	3421.24	3423.49	3422.86
69.0	3260.44	3265.35	3270.10	3274.10	3276.73	3277.39	3275.46	3280.14	3280.99	3278.81
69.5	3115.94	3121.02	3125.90	3129.98	3132.63	3133.24	3131.19	3135.30	3135.56	3132.80
70.0	2971.87	2976.62	2981.14	2984.85	2987.14	2987.40	2985.04	2989.14	2989.49	2986.89
70.5	2830.24	2833.86	2837.16	2839.59	2840.65	2839.81	2836.54	2841.71	2843.33	2842.13
71.0	2690.13	2692.72	2694.89	2696.18	2696.14	2694.34	2690.31	2696.56	2699.46	2699.66
71.5	2550.65	2553.38	2555.72	2557.23	2557.44	2555.92	2552.21	2558.37	2561.25	2561.49
72.0	2413.71	2416.86	2419.66	2421.65	2422.37	2421.34	2418.10	2423.80	2426.25	2426.10
72.5	2282.73	2285.89	2288.60	2290.43	2290.92	2289.61	2286.06	2291.40	2293.51	2293.03
73.0	2152.39	2155.56	2158.23	2159.99	2160.37	2158.95	2155.28	2160.22	2161.96	2161.11
73.5	2015.79	2019.27	2022.50	2025.01	2026.35	2026.04	2023.62	2027.99	2029.22	2027.93
74.0	1881.06	1884.81	1888.51	1891.68	1893.84	1894.51	1893.19	1897.25	1898.22	1896.72
74.5	1755.71	1759.31	1762.74	1765.52	1767.19	1767.31	1765.40	1770.07	1771.66	1770.76
75.0	1634.73	1638.08	1641.04	1643.16	1644.02	1643.19	1640.24	1645.53	1647.75	1647.47
75.5	1515.33	1518.57	1521.27	1523.01	1523.36	1521.89	1518.18	1523.15	1525.14	1524.69
76.0	1398.33	1401.42	1403.89	1405.33	1405.31	1403.41	1399.21	1403.62	1405.16	1404.38
76.5	1283.39	1286.07	1288.15	1289.25	1288.98	1286.97	1282.83	1286.90	1288.28	1287.47
77.0	1171.12	1173.59	1175.54	1176.59	1176.41	1174.64	1170.92	1174.61	1175.74	1174.81
77.5	1061.40	1064.54	1067.27	1069.20	1069.93	1069.06	1066.19	1069.22	1069.70	1068.12
78.0	956.06	959.87	963.38	966.14	967.73	967.69	965.60	968.03	967.89	965.71
78.5	856.96	860.54	863.84	866.43	867.92	867.86	865.86	868.15	868.01	865.94
79.0	764.01	767.17	770.01	772.12	773.14	772.69	770.38	772.48	772.34	770.40
79.5	678.78	681.82	684.33	685.95	686.29	685.01	681.73	683.08	682.32	679.91
80.0	598.19	601.20	603.53	604.84	604.78	602.99	599.11	599.58	598.10	595.13
80.5	518.14	521.17	523.72	525.46	526.04	525.14	522.43	522.17	520.22	517.02
81.0	443.23	446.27	449.10	451.41	452.88	453.20	452.07	451.17	448.83	445.43
81.5	377.48	380.34	383.20	385.76	387.73	388.85	388.81	387.29	384.42	380.58
82.0	318.52	321.23	324.07	326.77	329.07	330.70	331.39	329.54	326.40	322.30
82.5	265.07	267.90	270.91	273.78	276.24	277.98	278.71	277.43	274.83	271.23
83.0	217.91	220.81	223.83	226.67	229.02	230.56	230.99	230.22	228.16	225.08
83.5	177.20	179.71	182.22	184.48	186.24	187.26	187.28	185.94	183.53	180.31
84.0	143.61	145.61	147.46	149.00	150.05	150.44	150.00	147.84	144.87	141.34
84.5	119.81	121.37	122.68	123.60	124.03	123.86	122.98	120.19	116.78	112.95
85.0	99.95	101.18	102.09	102.60	102.63	102.13	101.02	98.01	94.49	90.64

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85.5	77.47	78.60	79.52	80.15	80.40	80.19	79.45	77.23	74.50	71.42
86.0	57.23	58.30	59.29	60.11	60.65	60.83	60.55	59.34	57.62	55.52
86.5	42.21	43.01	43.76	44.37	44.78	44.92	44.71	44.08	43.05	41.73
87.0	31.62	32.13	32.58	32.93	33.12	33.13	32.90	32.63	32.10	31.39
87.5	26.65	26.94	27.18	27.37	27.46	27.45	27.30	27.13	26.82	26.41
88.0	24.38	24.53	24.65	24.74	24.79	24.77	24.67	24.47	24.18	23.83
88.5	22.33	22.52	22.68	22.80	22.84	22.81	22.67	22.29	21.80	21.23
89.0	20.40	20.67	20.90	21.05	21.12	21.07	20.89	20.35	19.68	18.91
89.5	17.56	17.80	18.00	18.13	18.18	18.14	17.97	17.53	16.96	16.31
90.0	14.16	14.31	14.42	14.49	14.51	14.48	14.38	14.19	13.92	13.61

**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	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13733.77	13733.74	13733.71	13733.72	13733.74	13733.76	13733.78	13733.80	13733.81	13733.79
1.0	13731.98	13731.89	13731.80	13731.79	13731.79	13731.79	13731.79	13731.79	13731.79	13731.75
1.5	13729.21	13729.02	13728.81	13728.72	13728.63	13728.56	13728.48	13728.42	13728.36	13728.30
2.0	13725.32	13725.02	13724.70	13724.54	13724.38	13724.23	13724.09	13723.97	13723.86	13723.79
2.5	13720.05	13719.71	13719.34	13719.20	13719.07	13718.96	13718.86	13718.77	13718.69	13718.60
3.0	13713.80	13713.42	13713.02	13712.90	13712.81	13712.73	13712.67	13712.62	13712.57	13712.46
3.5	13707.00	13706.55	13706.08	13705.88	13705.72	13705.57	13705.45	13705.34	13705.24	13705.15
4.0	13699.26	13698.74	13698.19	13697.93	13697.69	13697.47	13697.28	13697.11	13696.97	13696.89
4.5	13690.27	13689.70	13689.10	13688.85	13688.62	13688.41	13688.23	13688.08	13687.96	13687.87
5.0	13680.25	13679.64	13679.00	13678.78	13678.59	13678.43	13678.30	13678.19	13678.11	13678.00
5.5	13669.32	13668.66	13667.98	13667.80	13667.66	13667.56	13667.48	13667.43	13667.40	13667.30
6.0	13657.50	13656.80	13656.08	13655.94	13655.84	13655.79	13655.78	13655.78	13655.80	13655.72
6.5	13644.93	13644.18	13643.41	13643.27	13643.19	13643.16	13643.17	13643.21	13643.27	13643.25
7.0	13631.46	13630.67	13629.86	13629.72	13629.65	13629.64	13629.67	13629.73	13629.81	13629.83
7.5	13617.05	13616.23	13615.39	13615.29	13615.25	13615.27	13615.33	13615.41	13615.49	13615.45
8.0	13601.58	13600.74	13599.86	13599.79	13599.78	13599.83	13599.90	13599.98	13600.05	13599.93
8.5	13584.90	13584.03	13583.12	13583.04	13583.01	13583.04	13583.09	13583.14	13583.19	13583.04
9.0	13567.05	13566.14	13565.18	13565.07	13565.01	13564.99	13565.00	13565.02	13565.04	13564.90
9.5	13548.00	13547.02	13545.99	13545.81	13545.69	13545.62	13545.58	13545.57	13545.56	13545.45
10.0	13527.79	13526.74	13525.62	13525.40	13525.24	13525.12	13525.05	13525.02	13525.00	13524.93
10.5	13506.40	13505.31	13504.16	13503.94	13503.80	13503.71	13503.68	13503.67	13503.69	13503.65
11.0	13483.96	13482.84	13481.66	13481.47	13481.36	13481.31	13481.30	13481.34	13481.39	13481.36
11.5	13460.64	13459.51	13458.31	13458.12	13458.00	13457.94	13457.92	13457.93	13457.97	13457.91
12.0	13436.26	13435.12	13433.89	13433.69	13433.56	13433.47	13433.43	13433.42	13433.42	13433.34
12.5	13410.69	13409.50	13408.22	13407.99	13407.83	13407.72	13407.65	13407.62	13407.62	13407.56
13.0	13383.97	13382.75	13381.43	13381.20	13381.03	13380.92	13380.85	13380.82	13380.82	13380.80
13.5	13356.10	13354.92	13353.63	13353.48	13353.39	13353.35	13353.35	13353.37	13353.40	13353.33
14.0	13327.15	13326.01	13324.75	13324.69	13324.69	13324.72	13324.79	13324.86	13324.91	13324.79
14.5	13297.19	13296.03	13294.76	13294.70	13294.70	13294.74	13294.80	13294.88	13294.94	13294.83
15.0	13266.23	13265.04	13263.73	13263.64	13263.63	13263.65	13263.71	13263.78	13263.84	13263.73
15.5	13234.34	13233.09	13231.72	13231.64	13231.64	13231.68	13231.75	13231.83	13231.89	13231.74
16.0	13201.40	13200.11	13198.70	13198.63	13198.63	13198.68	13198.75	13198.83	13198.88	13198.70
16.5	13167.31	13166.08	13164.70	13164.62	13164.59	13164.59	13164.62	13164.64	13164.66	13164.51
17.0	13132.11	13130.93	13129.59	13129.49	13129.42	13129.37	13129.34	13129.32	13129.29	13129.17
17.5	13095.78	13094.57	13093.17	13093.05	13092.97	13092.90	13092.85	13092.80	13092.75	13092.61
18.0	13058.41	13057.13	13055.66	13055.53	13055.43	13055.36	13055.30	13055.25	13055.19	13054.99
18.5	13020.10	13018.77	13017.25	13017.11	13017.01	13016.94	13016.88	13016.81	13016.74	13016.49
19.0	12980.73	12979.34	12977.77	12977.64	12977.55	12977.49	12977.43	12977.38	12977.30	12977.01
19.5	12940.16	12938.68	12937.03	12936.92	12936.87	12936.86	12936.86	12936.85	12936.83	12936.55
20.0	12898.52	12897.00	12895.29	12895.21	12895.20	12895.22	12895.26	12895.30	12895.31	12895.06
20.5	12856.03	12854.58	12852.93	12852.85	12852.81	12852.80	12852.80	12852.79	12852.76	12852.51

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21.0	12812.41	12811.04	12809.45	12809.37	12809.31	12809.27	12809.23	12809.18	12809.10	12808.86
21.5	12767.29	12765.91	12764.31	12764.27	12764.26	12764.27	12764.29	12764.29	12764.27	12764.04
22.0	12721.13	12719.69	12718.05	12718.03	12718.06	12718.11	12718.18	12718.24	12718.27	12718.07
22.5	12674.33	12672.84	12671.14	12671.05	12671.01	12671.00	12671.01	12671.02	12671.03	12670.92
23.0	12626.58	12625.04	12623.25	12623.09	12622.96	12622.87	12622.81	12622.76	12622.73	12622.70
23.5	12577.71	12576.10	12574.24	12574.04	12573.88	12573.76	12573.67	12573.61	12573.56	12573.54
24.0	12527.65	12525.98	12524.06	12523.86	12523.70	12523.59	12523.50	12523.45	12523.42	12523.40
24.5	12476.13	12474.45	12472.52	12472.38	12472.29	12472.25	12472.25	12472.28	12472.33	12472.37
25.0	12423.62	12421.93	12419.99	12419.89	12419.85	12419.86	12419.91	12419.99	12420.09	12420.19
25.5	12370.68	12368.99	12367.02	12366.81	12366.65	12366.52	12366.44	12366.39	12366.38	12366.49
26.0	12316.68	12314.97	12312.96	12312.65	12312.36	12312.11	12311.91	12311.75	12311.64	12311.72
26.5	12261.05	12259.26	12257.18	12256.93	12256.72	12256.55	12256.43	12256.35	12256.30	12256.35
27.0	12204.18	12202.29	12200.14	12199.99	12199.90	12199.87	12199.88	12199.92	12199.99	12200.02
27.5	12146.25	12144.29	12142.08	12141.99	12141.98	12142.04	12142.15	12142.30	12142.46	12142.54
28.0	12087.33	12085.30	12083.04	12082.98	12083.01	12083.13	12083.30	12083.52	12083.75	12083.88
28.5	12027.56	12025.48	12023.16	12023.06	12023.07	12023.15	12023.30	12023.49	12023.71	12023.87
29.0	11966.83	11964.74	11962.38	11962.23	11962.18	11962.20	11962.29	11962.43	11962.60	11962.77
29.5	11905.15	11903.12	11900.78	11900.63	11900.55	11900.53	11900.56	11900.63	11900.74	11900.89
30.0	11842.34	11840.35	11838.03	11837.88	11837.77	11837.71	11837.70	11837.72	11837.78	11837.92
30.5	11778.12	11776.04	11773.63	11773.42	11773.26	11773.17	11773.14	11773.17	11773.26	11773.51
31.0	11712.79	11710.60	11708.10	11707.85	11707.69	11707.61	11707.61	11707.68	11707.82	11708.16
31.5	11646.67	11644.46	11641.94	11641.81	11641.76	11641.79	11641.88	11642.02	11642.20	11642.44
32.0	11579.42	11577.20	11574.67	11574.67	11574.77	11574.94	11575.16	11575.41	11575.65	11575.76
32.5	11510.65	11508.32	11505.72	11505.84	11506.09	11506.41	11506.79	11507.19	11507.57	11507.65
33.0	11440.84	11438.42	11435.74	11435.94	11436.28	11436.73	11437.23	11437.74	11438.22	11438.29
33.5	11370.51	11368.04	11365.31	11365.49	11365.82	11366.25	11366.72	11367.21	11367.66	11367.69
34.0	11299.27	11296.78	11294.00	11294.14	11294.40	11294.75	11295.15	11295.56	11295.95	11295.94
34.5	11226.89	11224.42	11221.63	11221.68	11221.85	11222.11	11222.42	11222.76	11223.08	11223.13
35.0	11153.37	11150.91	11148.12	11148.12	11148.23	11148.41	11148.66	11148.94	11149.22	11149.33
35.5	11078.55	11076.10	11073.33	11073.35	11073.49	11073.71	11073.99	11074.29	11074.60	11074.72
36.0	11002.63	11000.18	10997.41	10997.49	10997.69	10997.97	10998.30	10998.66	10999.01	10999.12
36.5	10925.83	10923.34	10920.52	10920.64	10920.87	10921.19	10921.56	10921.95	10922.32	10922.39
37.0	10847.96	10845.42	10842.55	10842.69	10842.95	10843.29	10843.68	10844.09	10844.46	10844.50
37.5	10768.87	10766.34	10763.47	10763.60	10763.85	10764.18	10764.57	10764.96	10765.34	10765.39
38.0	10688.67	10686.11	10683.22	10683.31	10683.52	10683.82	10684.17	10684.54	10684.91	10685.00
38.5	10607.38	10604.67	10601.62	10601.60	10601.71	10601.92	10602.20	10602.52	10602.85	10602.99
39.0	10525.11	10522.25	10519.06	10518.94	10518.96	10519.10	10519.32	10519.60	10519.90	10520.06
39.5	10442.18	10439.33	10436.12	10436.04	10436.09	10436.25	10436.48	10436.75	10437.04	10437.12
40.0	10357.98	10355.14	10351.94	10351.93	10352.05	10352.27	10352.55	10352.86	10353.16	10353.17
40.5	10271.78	10268.82	10265.53	10265.56	10265.74	10266.04	10266.40	10266.80	10267.19	10267.23
41.0	10184.31	10181.22	10177.81	10177.88	10178.14	10178.54	10179.02	10179.54	10180.05	10180.13
41.5	10096.16	10092.94	10089.44	10089.60	10089.98	10090.52	10091.15	10091.82	10092.46	10092.54
42.0	10007.08	10003.79	10000.25	10000.49	10000.98	10001.63	10002.39	10003.17	10003.90	10003.99
42.5	9917.05	9913.87	9910.42	9910.71	9911.22	9911.90	9912.66	9913.44	9914.18	9914.30
43.0	9826.01	9822.98	9819.63	9819.91	9820.38	9820.99	9821.67	9822.38	9823.05	9823.21
43.5	9733.96	9730.95	9727.59	9727.71	9727.99	9728.39	9728.87	9729.39	9729.89	9730.10
44.0	9640.76	9637.77	9634.38	9634.37	9634.48	9634.70	9634.99	9635.33	9635.70	9635.91
44.5	9546.30	9543.37	9540.03	9540.08	9540.26	9540.52	9540.85	9541.21	9541.58	9541.76
45.0	9450.56	9447.69	9444.39	9444.56	9444.85	9445.22	9445.64	9446.07	9446.48	9446.59
45.5	9353.31	9350.42	9347.10	9347.33	9347.68	9348.10	9348.57	9349.04	9349.47	9349.49
46.0	9255.07	9252.17	9248.83	9249.08	9249.45	9249.88	9250.35	9250.81	9251.22	9251.17
46.5	9156.54	9153.75	9150.48	9150.68	9150.96	9151.28	9151.62	9151.96	9152.25	9152.21
47.0	9056.89	9054.23	9051.04	9051.16	9051.33	9051.52	9051.71	9051.91	9052.09	9052.10
47.5	8955.40	8952.78	8949.60	8949.67	8949.76	8949.87	8950.00	8950.14	8950.28	8950.42
48.0	8852.52	8849.92	8846.75	8846.78	8846.82	8846.89	8846.97	8847.09	8847.23	8847.47
48.5	8748.71	8746.13	8742.95	8742.96	8742.96	8742.97	8743.00	8743.05	8743.12	8743.31

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49.0	8643.23	8640.76	8637.66	8637.75	8637.82	8637.87	8637.92	8637.98	8638.04	8638.17
49.5	8536.16	8534.08	8531.31	8531.70	8532.02	8532.27	8532.48	8532.66	8532.81	8533.01
50.0	8425.48	8423.82	8421.43	8422.32	8423.11	8423.81	8424.41	8424.94	8425.38	8425.74
50.5	8308.39	8306.92	8304.82	8306.58	8308.32	8310.00	8311.59	8313.04	8314.30	8314.92
51.0	8187.23	8185.93	8184.11	8186.64	8189.25	8191.84	8194.33	8196.63	8198.67	8199.60
51.5	8063.56	8062.66	8061.16	8063.88	8066.62	8069.31	8071.88	8074.27	8076.41	8077.65
52.0	7936.86	7936.26	7934.98	7937.67	7940.32	7942.88	7945.31	7947.57	7949.62	7951.15
52.5	7806.35	7805.66	7804.30	7807.04	7809.77	7812.43	7814.98	7817.38	7819.59	7821.33
53.0	7674.32	7673.39	7671.80	7674.42	7677.05	7679.65	7682.16	7684.55	7686.79	7688.65
53.5	7542.90	7541.78	7539.92	7541.96	7543.97	7545.93	7547.83	7549.68	7551.45	7553.32
54.0	7411.73	7410.34	7408.16	7409.51	7410.77	7411.99	7413.17	7414.36	7415.57	7417.34
54.5	7281.05	7279.23	7276.62	7277.46	7278.22	7278.95	7279.68	7280.44	7281.28	7282.84
55.0	7151.12	7148.88	7145.85	7146.28	7146.65	7147.00	7147.37	7147.80	7148.34	7149.64
55.5	7022.57	7020.10	7016.81	7016.93	7016.97	7016.99	7017.04	7017.16	7017.41	7018.55
56.0	6894.48	6891.85	6888.37	6888.32	6888.17	6887.99	6887.84	6887.76	6887.80	6888.76
56.5	6766.16	6763.37	6759.75	6759.73	6759.64	6759.53	6759.43	6759.38	6759.41	6760.03
57.0	6637.53	6634.60	6630.89	6630.98	6631.02	6631.05	6631.08	6631.12	6631.20	6631.50
57.5	6508.29	6505.29	6501.50	6501.60	6501.67	6501.71	6501.74	6501.78	6501.83	6501.98
58.0	6378.46	6375.38	6371.52	6371.68	6371.81	6371.93	6372.02	6372.11	6372.19	6372.22
58.5	6247.83	6244.54	6240.57	6240.97	6241.42	6241.88	6242.33	6242.74	6243.08	6242.91
59.0	6116.75	6113.32	6109.30	6109.92	6110.65	6111.43	6112.19	6112.88	6113.44	6113.11
59.5	5986.13	5982.76	5978.74	5979.30	5979.93	5980.58	5981.19	5981.74	5982.15	5981.77
60.0	5854.14	5851.08	5847.28	5847.86	5848.45	5849.00	5849.50	5849.91	5850.20	5849.90
60.5	5719.35	5717.09	5714.03	5715.16	5716.21	5717.16	5717.99	5718.68	5719.20	5719.13
61.0	5581.52	5580.05	5577.75	5579.54	5581.22	5582.74	5584.10	5585.25	5586.19	5586.50
61.5	5439.52	5438.35	5436.42	5438.82	5441.15	5443.38	5445.46	5447.34	5448.98	5449.85
62.0	5294.57	5293.36	5291.47	5294.20	5296.96	5299.67	5302.29	5304.74	5306.97	5308.39
62.5	5146.98	5145.27	5142.91	5145.27	5147.71	5150.18	5152.62	5154.98	5157.21	5158.98
63.0	4998.38	4995.99	4992.98	4994.74	4996.62	4998.59	5000.60	5002.61	5004.59	5006.43
63.5	4850.19	4847.22	4843.63	4844.90	4846.32	4847.85	4849.45	4851.07	4852.68	4854.06
64.0	4703.28	4699.83	4695.79	4696.64	4697.66	4698.79	4699.99	4701.21	4702.40	4703.18
64.5	4559.23	4555.65	4551.46	4552.11	4552.90	4553.79	4554.73	4555.68	4556.59	4556.94
65.0	4417.20	4413.60	4409.37	4409.84	4410.44	4411.11	4411.82	4412.53	4413.19	4413.21
65.5	4277.40	4273.63	4269.24	4269.46	4269.79	4270.20	4270.66	4271.12	4271.54	4271.36
66.0	4138.23	4134.46	4129.99	4129.90	4129.88	4129.92	4130.00	4130.12	4130.26	4130.09
66.5	3998.46	3995.24	3991.09	3990.45	3989.71	3988.93	3988.18	3987.55	3987.09	3987.44
67.0	3857.14	3854.49	3850.71	3849.76	3848.55	3847.23	3845.94	3844.81	3843.98	3844.82
67.5	3712.03	3709.65	3706.25	3705.91	3705.37	3704.74	3704.11	3703.58	3703.26	3704.04
68.0	3565.65	3563.01	3559.56	3559.89	3560.18	3560.46	3560.74	3561.07	3561.46	3562.04
68.5	3420.09	3415.91	3411.10	3411.33	3411.74	3412.31	3413.00	3413.79	3414.62	3415.07
69.0	3274.42	3268.67	3262.45	3262.42	3262.79	3263.48	3264.39	3265.46	3266.58	3266.89
69.5	3127.86	3121.61	3114.96	3114.91	3115.33	3116.11	3117.13	3118.29	3119.48	3119.59
70.0	2982.16	2976.15	2969.75	2969.82	2970.34	2971.18	2972.23	2973.37	2974.47	2974.40
70.5	2838.84	2834.23	2829.11	2829.63	2830.41	2831.36	2832.39	2833.40	2834.30	2834.05
71.0	2697.82	2694.63	2690.79	2691.73	2692.74	2693.78	2694.78	2695.68	2696.42	2696.16
71.5	2559.74	2556.68	2553.00	2553.96	2555.02	2556.14	2557.24	2558.30	2559.25	2559.47
72.0	2424.00	2420.63	2416.69	2417.44	2418.35	2419.38	2420.48	2421.61	2422.72	2423.40
72.5	2290.60	2286.90	2282.61	2282.80	2283.15	2283.64	2284.23	2284.91	2285.64	2286.26
73.0	2158.32	2154.25	2149.59	2149.27	2149.11	2149.09	2149.20	2149.42	2149.75	2150.16
73.5	2024.77	2020.40	2015.52	2015.25	2015.20	2015.32	2015.58	2015.93	2016.35	2016.60
74.0	1893.41	1888.94	1884.02	1883.85	1883.93	1884.20	1884.60	1885.09	1885.60	1885.77
74.5	1767.98	1763.96	1759.35	1758.82	1758.42	1758.16	1758.03	1758.03	1758.15	1758.62
75.0	1645.25	1641.70	1637.45	1636.62	1635.83	1635.10	1634.49	1634.05	1633.82	1634.48
75.5	1522.39	1518.84	1514.66	1514.21	1513.83	1513.51	1513.27	1513.12	1513.07	1513.21
76.0	1401.86	1398.21	1394.03	1393.93	1393.96	1394.08	1394.25	1394.43	1394.59	1394.20
76.5	1285.02	1281.48	1277.41	1277.00	1276.68	1276.46	1276.31	1276.23	1276.19	1275.91

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CANDELA TABULATION - (Cont.)

77.0	1172.31	1168.75	1164.68	1163.77	1162.96	1162.26	1161.68	1161.25	1160.97	1160.97
77.5	1065.00	1060.86	1056.26	1054.99	1053.89	1052.97	1052.24	1051.72	1051.43	1051.70
78.0	962.02	957.36	952.30	950.83	949.59	948.60	947.85	947.35	947.10	947.55
78.5	862.43	858.02	853.23	851.91	850.81	849.93	849.26	848.81	848.55	848.82
79.0	767.14	763.05	758.64	757.61	756.80	756.18	755.73	755.43	755.24	755.23
79.5	676.32	672.03	667.55	666.82	666.38	666.19	666.17	666.26	666.40	666.19
80.0	591.14	586.61	582.05	581.62	581.60	581.87	582.33	582.85	583.32	582.84
80.5	513.00	508.61	504.32	504.39	504.91	505.71	506.63	507.51	508.17	506.95
81.0	441.38	437.10	433.01	433.22	433.91	434.88	435.95	436.92	437.61	436.00
81.5	376.14	371.48	366.99	366.19	365.88	365.93	366.24	366.67	367.09	366.60
82.0	317.58	312.60	307.74	305.78	304.29	303.25	302.60	302.30	302.32	303.04
82.5	266.93	262.27	257.59	255.21	253.20	251.54	250.26	249.35	248.81	249.45
83.0	221.29	217.06	212.73	210.34	208.20	206.34	204.77	203.53	202.62	202.82
83.5	176.55	172.52	168.51	166.59	164.99	163.69	162.66	161.90	161.37	161.27
84.0	137.49	133.56	129.81	128.38	127.35	126.66	126.23	126.01	125.93	125.54
84.5	108.92	104.89	101.10	99.51	98.33	97.49	96.92	96.54	96.29	95.65
85.0	86.64	82.68	78.95	77.16	75.76	74.68	73.85	73.22	72.71	71.90
85.5	68.15	64.87	61.73	60.24	59.04	58.08	57.31	56.68	56.13	55.33
86.0	53.19	50.78	48.43	47.40	46.56	45.88	45.32	44.85	44.42	43.78
86.5	40.24	38.68	37.17	36.70	36.37	36.17	36.06	36.01	36.00	35.83
87.0	30.57	29.73	28.94	28.90	28.98	29.16	29.41	29.72	30.05	30.27
87.5	25.92	25.42	24.94	24.88	24.88	24.93	25.02	25.15	25.28	25.36
88.0	23.43	23.02	22.61	22.37	22.16	21.96	21.78	21.62	21.47	21.27
88.5	20.61	19.98	19.36	19.00	18.68	18.39	18.13	17.89	17.66	17.37
89.0	18.08	17.24	16.42	16.01	15.65	15.35	15.09	14.86	14.65	14.37
89.5	15.61	14.90	14.21	13.90	13.64	13.43	13.27	13.13	13.00	12.81
90.0	13.26	12.91	12.59	12.50	12.46	12.44	12.46	12.48	12.52	12.51

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	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13733.76	13733.73	13733.70	13733.67	13733.65	13733.65	13733.67	13733.69	13733.72	13733.76
1.0	13731.70	13731.65	13731.61	13731.58	13731.55	13731.57	13731.60	13731.64	13731.70	13731.76
1.5	13728.25	13728.21	13728.18	13728.17	13728.17	13728.21	13728.27	13728.34	13728.43	13728.52
2.0	13723.73	13723.70	13723.68	13723.68	13723.70	13723.76	13723.83	13723.92	13724.02	13724.12
2.5	13718.51	13718.44	13718.38	13718.33	13718.31	13718.33	13718.37	13718.44	13718.52	13718.61
3.0	13712.35	13712.24	13712.15	13712.07	13712.00	13711.99	13712.00	13712.03	13712.08	13712.16
3.5	13705.06	13704.99	13704.94	13704.90	13704.88	13704.87	13704.87	13704.90	13704.95	13705.02
4.0	13696.84	13696.81	13696.80	13696.81	13696.84	13696.85	13696.87	13696.91	13696.97	13697.05
4.5	13687.80	13687.76	13687.74	13687.75	13687.77	13687.82	13687.89	13687.98	13688.08	13688.21
5.0	13677.92	13677.85	13677.81	13677.80	13677.81	13677.90	13678.01	13678.14	13678.29	13678.46
5.5	13667.21	13667.14	13667.09	13667.06	13667.07	13667.15	13667.27	13667.41	13667.58	13667.76
6.0	13655.65	13655.59	13655.54	13655.51	13655.51	13655.58	13655.68	13655.81	13655.97	13656.14
6.5	13643.24	13643.24	13643.24	13643.26	13643.29	13643.33	13643.39	13643.47	13643.56	13643.67
7.0	13629.86	13629.89	13629.93	13629.96	13630.00	13630.02	13630.04	13630.07	13630.11	13630.16
7.5	13615.40	13615.34	13615.29	13615.24	13615.21	13615.21	13615.22	13615.25	13615.30	13615.37
8.0	13599.78	13599.63	13599.48	13599.34	13599.23	13599.23	13599.25	13599.31	13599.39	13599.50
8.5	13582.88	13582.71	13582.55	13582.41	13582.30	13582.33	13582.40	13582.50	13582.63	13582.77
9.0	13564.75	13564.60	13564.47	13564.35	13564.28	13564.34	13564.44	13564.57	13564.72	13564.89
9.5	13545.34	13545.25	13545.16	13545.09	13545.05	13545.07	13545.13	13545.21	13545.31	13545.44
10.0	13524.88	13524.83	13524.80	13524.78	13524.77	13524.76	13524.76	13524.79	13524.85	13524.94
10.5	13503.62	13503.60	13503.59	13503.60	13503.62	13503.65	13503.69	13503.75	13503.83	13503.93
11.0	13481.33	13481.32	13481.32	13481.33	13481.36	13481.44	13481.54	13481.64	13481.75	13481.85
11.5	13457.85	13457.81	13457.78	13457.77	13457.77	13457.83	13457.91	13458.00	13458.11	13458.22
12.0	13433.26	13433.19	13433.14	13433.10	13433.08	13433.11	13433.16	13433.24	13433.33	13433.43

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CANDELA TABULATION - (Cont.)

12.5	13407.53	13407.50	13407.50	13407.50	13407.52	13407.55	13407.60	13407.66	13407.74	13407.82
13.0	13380.79	13380.80	13380.82	13380.85	13380.89	13380.92	13380.96	13381.01	13381.06	13381.12
13.5	13353.26	13353.19	13353.12	13353.07	13353.02	13353.00	13353.00	13353.00	13353.03	13353.07
14.0	13324.65	13324.50	13324.34	13324.20	13324.06	13324.00	13323.96	13323.94	13323.95	13323.98
14.5	13294.69	13294.54	13294.39	13294.25	13294.13	13294.10	13294.09	13294.10	13294.13	13294.18
15.0	13263.60	13263.47	13263.34	13263.22	13263.12	13263.12	13263.15	13263.20	13263.26	13263.32
15.5	13231.57	13231.39	13231.21	13231.04	13230.90	13230.90	13230.92	13230.98	13231.06	13231.15
16.0	13198.49	13198.26	13198.04	13197.84	13197.66	13197.62	13197.62	13197.65	13197.72	13197.81
16.5	13164.33	13164.15	13163.97	13163.79	13163.62	13163.51	13163.42	13163.36	13163.32	13163.32
17.0	13129.04	13128.90	13128.76	13128.62	13128.47	13128.32	13128.17	13128.04	13127.93	13127.86
17.5	13092.45	13092.30	13092.15	13092.00	13091.88	13091.81	13091.76	13091.73	13091.73	13091.75
18.0	13054.78	13054.58	13054.40	13054.24	13054.11	13054.13	13054.20	13054.29	13054.41	13054.55
18.5	13016.22	13015.95	13015.71	13015.48	13015.30	13015.30	13015.34	13015.42	13015.54	13015.68
19.0	12976.70	12976.38	12976.07	12975.79	12975.55	12975.50	12975.50	12975.54	12975.63	12975.74
19.5	12936.24	12935.92	12935.62	12935.33	12935.09	12935.05	12935.06	12935.11	12935.20	12935.30
20.0	12894.77	12894.48	12894.18	12893.91	12893.68	12893.65	12893.67	12893.73	12893.81	12893.90
20.5	12852.24	12851.95	12851.67	12851.40	12851.17	12851.12	12851.11	12851.12	12851.16	12851.21
21.0	12808.60	12808.32	12808.05	12807.79	12807.56	12807.47	12807.42	12807.39	12807.39	12807.40
21.5	12763.78	12763.50	12763.22	12762.96	12762.72	12762.62	12762.56	12762.53	12762.53	12762.55
22.0	12717.83	12717.58	12717.32	12717.06	12716.83	12716.72	12716.65	12716.60	12716.59	12716.61
22.5	12670.78	12670.63	12670.47	12670.31	12670.15	12669.96	12669.79	12669.63	12669.51	12669.42
23.0	12622.66	12622.62	12622.57	12622.51	12622.43	12622.19	12621.95	12621.72	12621.51	12621.34
23.5	12573.52	12573.51	12573.50	12573.48	12573.46	12573.33	12573.20	12573.07	12572.96	12572.88
24.0	12523.39	12523.39	12523.40	12523.42	12523.44	12523.41	12523.39	12523.38	12523.38	12523.40
24.5	12472.42	12472.47	12472.52	12472.56	12472.59	12472.53	12472.45	12472.38	12472.30	12472.24
25.0	12420.30	12420.40	12420.50	12420.56	12420.60	12420.47	12420.32	12420.15	12419.99	12419.83
25.5	12366.62	12366.75	12366.89	12367.01	12367.09	12366.97	12366.83	12366.67	12366.51	12366.37
26.0	12311.84	12311.99	12312.14	12312.29	12312.42	12312.33	12312.21	12312.09	12311.97	12311.87
26.5	12256.42	12256.52	12256.62	12256.71	12256.80	12256.75	12256.68	12256.61	12256.55	12256.50
27.0	12200.06	12200.10	12200.14	12200.18	12200.22	12200.19	12200.16	12200.13	12200.11	12200.09
27.5	12142.61	12142.68	12142.74	12142.79	12142.82	12142.77	12142.71	12142.65	12142.59	12142.56
28.0	12084.01	12084.12	12084.22	12084.30	12084.35	12084.27	12084.17	12084.07	12083.97	12083.90
28.5	12024.03	12024.19	12024.33	12024.44	12024.53	12024.46	12024.36	12024.26	12024.16	12024.08
29.0	11962.95	11963.14	11963.31	11963.46	11963.58	11963.52	11963.44	11963.35	11963.25	11963.17
29.5	11901.05	11901.22	11901.38	11901.52	11901.64	11901.57	11901.48	11901.38	11901.29	11901.21
30.0	11838.09	11838.26	11838.43	11838.58	11838.70	11838.62	11838.52	11838.41	11838.30	11838.22
30.5	11773.80	11774.10	11774.40	11774.66	11774.89	11774.82	11774.70	11774.55	11774.40	11774.26
31.0	11708.53	11708.92	11709.31	11709.66	11709.95	11709.88	11709.75	11709.58	11709.40	11709.22
31.5	11642.69	11642.95	11643.19	11643.40	11643.57	11643.49	11643.37	11643.23	11643.09	11642.97
32.0	11575.85	11575.93	11575.98	11576.01	11576.03	11575.93	11575.83	11575.73	11575.66	11575.62
32.5	11507.68	11507.68	11507.64	11507.59	11507.52	11507.44	11507.36	11507.29	11507.25	11507.24
33.0	11438.29	11438.24	11438.16	11438.06	11437.94	11437.88	11437.82	11437.79	11437.77	11437.78
33.5	11367.64	11367.55	11367.43	11367.30	11367.16	11367.13	11367.11	11367.12	11367.14	11367.19
34.0	11295.88	11295.79	11295.67	11295.53	11295.41	11295.40	11295.40	11295.43	11295.47	11295.54
34.5	11223.14	11223.12	11223.09	11223.04	11222.98	11222.93	11222.88	11222.85	11222.84	11222.84
35.0	11149.42	11149.49	11149.54	11149.57	11149.59	11149.51	11149.42	11149.34	11149.28	11149.24
35.5	11074.83	11074.91	11074.98	11075.03	11075.06	11075.05	11075.03	11075.02	11075.02	11075.04
36.0	10999.20	10999.26	10999.31	10999.34	10999.37	10999.42	10999.47	10999.53	10999.60	10999.68
36.5	10922.42	10922.41	10922.39	10922.36	10922.32	10922.33	10922.34	10922.38	10922.44	10922.53
37.0	10844.48	10844.43	10844.35	10844.26	10844.17	10844.12	10844.09	10844.09	10844.12	10844.19
37.5	10765.40	10765.38	10765.33	10765.26	10765.20	10765.15	10765.11	10765.10	10765.12	10765.18
38.0	10685.06	10685.09	10685.11	10685.10	10685.09	10685.07	10685.06	10685.06	10685.08	10685.14
38.5	10603.11	10603.22	10603.32	10603.41	10603.50	10603.56	10603.62	10603.69	10603.77	10603.87
39.0	10520.21	10520.36	10520.51	10520.66	10520.81	10520.92	10521.03	10521.14	10521.27	10521.40
39.5	10437.19	10437.25	10437.31	10437.35	10437.40	10437.40	10437.41	10437.44	10437.50	10437.60
40.0	10353.16	10353.12	10353.06	10352.99	10352.92	10352.81	10352.72	10352.67	10352.67	10352.73

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CANDELA TABULATION - (Cont.)

40.5	10267.23	10267.19	10267.14	10267.08	10267.03	10266.97	10266.94	10266.94	10266.99	10267.10
41.0	10180.16	10180.15	10180.13	10180.09	10180.05	10180.07	10180.12	10180.19	10180.31	10180.46
41.5	10092.55	10092.51	10092.44	10092.35	10092.26	10092.26	10092.30	10092.36	10092.46	10092.60
42.0	10003.99	10003.92	10003.80	10003.66	10003.52	10003.49	10003.49	10003.51	10003.58	10003.68
42.5	9914.33	9914.29	9914.20	9914.07	9913.94	9913.87	9913.82	9913.80	9913.81	9913.88
43.0	9823.29	9823.31	9823.28	9823.22	9823.13	9823.05	9822.97	9822.92	9822.90	9822.92
43.5	9730.25	9730.38	9730.47	9730.53	9730.58	9730.55	9730.52	9730.50	9730.50	9730.54
44.0	9636.12	9636.32	9636.50	9636.66	9636.80	9636.83	9636.85	9636.87	9636.90	9636.96
44.5	9541.92	9542.05	9542.17	9542.27	9542.35	9542.33	9542.30	9542.30	9542.32	9542.39
45.0	9446.66	9446.69	9446.70	9446.69	9446.67	9446.62	9446.59	9446.59	9446.63	9446.74
45.5	9349.45	9349.38	9349.29	9349.20	9349.13	9349.25	9349.40	9349.58	9349.80	9350.04
46.0	9251.06	9250.91	9250.76	9250.63	9250.54	9250.80	9251.11	9251.46	9251.81	9252.16
46.5	9152.12	9152.01	9151.89	9151.78	9151.71	9151.89	9152.11	9152.35	9152.61	9152.87
47.0	9052.09	9052.07	9052.04	9052.01	9051.99	9052.06	9052.14	9052.23	9052.35	9052.47
47.5	8950.56	8950.70	8950.83	8950.96	8951.07	8951.11	8951.15	8951.18	8951.21	8951.26
48.0	8847.73	8848.00	8848.27	8848.52	8848.75	8848.83	8848.89	8848.92	8848.95	8848.97
48.5	8743.52	8743.75	8743.99	8744.24	8744.49	8744.71	8744.92	8745.11	8745.30	8745.47
49.0	8638.31	8638.47	8638.66	8638.87	8639.10	8639.43	8639.77	8640.11	8640.43	8640.73
49.5	8533.20	8533.38	8533.57	8533.75	8533.94	8534.20	8534.45	8534.69	8534.91	8535.08
50.0	8426.04	8426.28	8426.47	8426.62	8426.74	8426.94	8427.10	8427.22	8427.29	8427.30
50.5	8315.35	8315.63	8315.79	8315.86	8315.87	8316.18	8316.44	8316.64	8316.75	8316.74
51.0	8200.23	8200.62	8200.82	8200.89	8200.86	8201.29	8201.64	8201.90	8202.03	8202.00
51.5	8078.60	8079.32	8079.82	8080.14	8080.33	8080.69	8080.93	8081.03	8080.99	8080.78
52.0	7952.44	7953.50	7954.35	7954.99	7955.44	7955.72	7955.82	7955.75	7955.53	7955.15
52.5	7822.84	7824.12	7825.18	7826.01	7826.63	7826.96	7827.08	7827.00	7826.75	7826.33
53.0	7690.31	7691.76	7692.99	7693.99	7694.76	7695.14	7695.29	7695.23	7694.97	7694.54
53.5	7555.08	7556.70	7558.14	7559.37	7560.35	7560.68	7560.75	7560.61	7560.27	7559.76
54.0	7419.10	7420.80	7422.38	7423.76	7424.90	7425.16	7425.14	7424.91	7424.49	7423.92
54.5	7284.44	7286.01	7287.50	7288.84	7289.95	7290.14	7290.10	7289.84	7289.42	7288.88
55.0	7151.02	7152.41	7153.74	7154.95	7155.96	7156.10	7156.02	7155.76	7155.35	7154.84
55.5	7019.79	7021.07	7022.30	7023.43	7024.36	7024.39	7024.21	7023.84	7023.34	7022.73
56.0	6889.82	6890.93	6892.02	6893.01	6893.84	6893.85	6893.67	6893.31	6892.81	6892.21
56.5	6760.73	6761.48	6762.23	6762.95	6763.58	6763.91	6764.10	6764.17	6764.09	6763.86
57.0	6631.85	6632.23	6632.63	6633.06	6633.49	6634.14	6634.75	6635.26	6635.63	6635.82
57.5	6502.15	6502.36	6502.61	6502.89	6503.21	6503.91	6504.60	6505.21	6505.70	6506.01
58.0	6372.26	6372.31	6372.40	6372.54	6372.73	6373.39	6374.06	6374.69	6375.21	6375.58
58.5	6242.67	6242.41	6242.16	6241.97	6241.88	6242.52	6243.24	6243.95	6244.60	6245.12
59.0	6112.64	6112.11	6111.58	6111.11	6110.76	6111.35	6112.06	6112.82	6113.55	6114.19
59.5	5981.28	5980.73	5980.19	5979.70	5979.34	5979.80	5980.38	5981.04	5981.71	5982.34
60.0	5849.51	5849.07	5848.62	5848.22	5847.91	5848.20	5848.60	5849.08	5849.61	5850.16
60.5	5718.93	5718.62	5718.27	5717.92	5717.61	5717.66	5717.80	5718.03	5718.34	5718.72
61.0	5586.60	5586.56	5586.41	5586.19	5585.95	5585.86	5585.82	5585.85	5585.97	5586.21
61.5	5450.49	5450.92	5451.20	5451.35	5451.42	5451.51	5451.59	5451.69	5451.83	5452.04
62.0	5309.56	5310.51	5311.26	5311.85	5312.30	5312.62	5312.87	5313.07	5313.27	5313.50
62.5	5160.57	5161.97	5163.19	5164.22	5165.07	5165.39	5165.57	5165.68	5165.79	5165.93
63.0	5008.17	5009.79	5011.26	5012.56	5013.67	5013.97	5014.14	5014.23	5014.32	5014.49
63.5	4855.37	4856.61	4857.77	4858.83	4859.79	4860.26	4860.66	4861.07	4861.51	4862.06
64.0	4703.91	4704.60	4705.28	4705.95	4706.64	4707.33	4708.07	4708.89	4709.79	4710.79
64.5	4557.23	4557.53	4557.85	4558.24	4558.73	4559.69	4560.78	4561.98	4563.26	4564.62
65.0	4413.19	4413.19	4413.26	4413.45	4413.82	4415.01	4416.38	4417.88	4419.46	4421.06
65.5	4271.16	4271.01	4270.95	4271.04	4271.33	4272.57	4274.01	4275.58	4277.23	4278.90
66.0	4129.98	4129.95	4130.04	4130.29	4130.75	4132.02	4133.47	4135.04	4136.68	4138.31
66.5	3988.01	3988.78	3989.74	3990.86	3992.12	3993.59	3995.14	3996.73	3998.31	3999.86
67.0	3846.02	3847.52	3849.25	3851.13	3853.10	3854.82	3856.53	3858.19	3859.78	3861.27
67.5	3705.09	3706.37	3707.84	3709.45	3711.19	3713.17	3715.16	3717.10	3718.91	3720.54
68.0	3562.72	3563.53	3564.48	3565.59	3566.87	3569.07	3571.35	3573.58	3575.67	3577.50

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68.5	3415.58	3416.20	3416.95	3417.89	3419.04	3421.45	3423.97	3426.49	3428.87	3430.97
69.0	3267.24	3267.66	3268.22	3268.97	3269.96	3272.33	3274.86	3277.41	3279.84	3282.03
69.5	3119.67	3119.78	3119.96	3120.28	3120.80	3122.45	3124.26	3126.12	3127.94	3129.60
70.0	2974.23	2974.03	2973.85	2973.75	2973.79	2974.69	2975.72	2976.83	2977.97	2979.07
70.5	2833.66	2833.22	2832.78	2832.41	2832.19	2832.86	2833.70	2834.65	2835.67	2836.70
71.0	2695.76	2695.28	2694.81	2694.41	2694.15	2694.83	2695.67	2696.64	2697.69	2698.76
71.5	2559.58	2559.64	2559.69	2559.78	2559.95	2560.77	2561.68	2562.65	2563.64	2564.60
72.0	2424.05	2424.66	2425.27	2425.89	2426.53	2427.51	2428.50	2429.46	2430.38	2431.21
72.5	2286.92	2287.60	2288.32	2289.06	2289.83	2290.84	2291.83	2292.78	2293.64	2294.39
73.0	2150.66	2151.22	2151.84	2152.50	2153.20	2154.05	2154.89	2155.69	2156.40	2157.00
73.5	2016.86	2017.14	2017.42	2017.69	2017.96	2018.21	2018.44	2018.65	2018.83	2018.98
74.0	1885.92	1886.02	1886.08	1886.10	1886.07	1885.83	1885.56	1885.28	1885.02	1884.79
74.5	1759.17	1759.77	1760.38	1760.97	1761.48	1761.57	1761.56	1761.49	1761.36	1761.20
75.0	1635.33	1636.31	1637.38	1638.45	1639.48	1640.07	1640.54	1640.90	1641.15	1641.27
75.5	1513.44	1513.77	1514.17	1514.64	1515.17	1515.93	1516.71	1517.47	1518.18	1518.78
76.0	1393.80	1393.44	1393.15	1392.99	1393.00	1393.92	1394.99	1396.12	1397.26	1398.33
76.5	1275.69	1275.57	1275.58	1275.76	1276.14	1277.54	1279.07	1280.62	1282.09	1283.38
77.0	1161.15	1161.49	1162.00	1162.68	1163.53	1165.14	1166.81	1168.42	1169.88	1171.08
77.5	1052.18	1052.80	1053.55	1054.36	1055.21	1055.97	1056.69	1057.34	1057.90	1058.32
78.0	948.17	948.91	949.70	950.45	951.10	950.87	950.53	950.11	949.68	949.27
78.5	849.23	849.71	850.20	850.64	850.96	850.43	849.78	849.06	848.33	847.65
79.0	755.28	755.35	755.40	755.41	755.33	754.68	753.94	753.16	752.37	751.61
79.5	665.96	665.69	665.36	664.97	664.50	663.68	662.82	661.94	661.09	660.29
80.0	582.23	581.51	580.70	579.83	578.92	577.96	577.02	576.12	575.29	574.56
80.5	505.45	503.75	501.94	500.12	498.37	497.35	496.49	495.79	495.23	494.82
81.0	434.03	431.84	429.53	427.23	425.06	423.95	423.06	422.40	421.92	421.63
81.5	366.00	365.28	364.46	363.54	362.54	361.10	359.64	358.25	356.99	355.94
82.0	303.90	304.81	305.64	306.27	306.59	304.90	302.95	300.88	298.86	297.04
82.5	250.33	251.31	252.27	253.07	253.57	252.05	250.23	248.27	246.30	244.45
83.0	203.26	203.84	204.44	204.96	205.28	204.16	202.83	201.37	199.87	198.41
83.5	161.33	161.50	161.73	161.97	162.16	161.81	161.39	160.91	160.40	159.89
84.0	125.21	124.96	124.79	124.70	124.68	124.92	125.21	125.52	125.83	126.11
84.5	95.05	94.51	94.04	93.63	93.29	93.14	93.05	93.00	92.97	92.95
85.0	71.15	70.43	69.76	69.12	68.50	67.81	67.14	66.51	65.93	65.41
85.5	54.56	53.81	53.09	52.39	51.70	50.93	50.19	49.49	48.85	48.27
86.0	43.15	42.53	41.92	41.33	40.74	40.12	39.52	38.95	38.43	37.96
86.5	35.66	35.49	35.32	35.14	34.97	34.74	34.52	34.30	34.10	33.91
87.0	30.49	30.71	30.92	31.13	31.32	31.47	31.61	31.73	31.83	31.91
87.5	25.44	25.52	25.61	25.71	25.82	25.98	26.14	26.30	26.44	26.56
88.0	21.09	20.92	20.77	20.65	20.56	20.60	20.66	20.74	20.81	20.88
88.5	17.10	16.84	16.59	16.37	16.18	16.06	15.98	15.91	15.85	15.80
89.0	14.08	13.81	13.55	13.30	13.06	12.84	12.63	12.45	12.28	12.14
89.5	12.61	12.43	12.25	12.07	11.90	11.73	11.56	11.41	11.27	11.16
90.0	12.50	12.49	12.48	12.47	12.46	12.45	12.45	12.44	12.44	12.43

**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	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13733.81	13733.90	13733.99	13734.08	13734.17	13734.24	13734.30	13734.29	13734.26	13734.21
1.0	13731.85	13731.99	13732.13	13732.28	13732.41	13732.52	13732.61	13732.57	13732.51	13732.43
1.5	13728.62	13728.76	13728.89	13729.02	13729.13	13729.23	13729.29	13729.23	13729.15	13729.05
2.0	13724.23	13724.36	13724.47	13724.58	13724.68	13724.75	13724.80	13724.72	13724.62	13724.51
2.5	13718.72	13718.88	13719.05	13719.21	13719.36	13719.48	13719.57	13719.48	13719.37	13719.24
3.0	13712.27	13712.48	13712.70	13712.92	13713.13	13713.30	13713.44	13713.36	13713.23	13713.09
3.5	13705.13	13705.35	13705.59	13705.83	13706.05	13706.25	13706.40	13706.32	13706.19	13706.05

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4.0	13697.16	13697.39	13697.63	13697.87	13698.09	13698.29	13698.45	13698.38	13698.27	13698.14
4.5	13688.36	13688.57	13688.80	13689.02	13689.23	13689.42	13689.57	13689.55	13689.51	13689.44
5.0	13678.65	13678.86	13679.08	13679.28	13679.48	13679.66	13679.81	13679.83	13679.84	13679.82
5.5	13667.96	13668.20	13668.44	13668.68	13668.90	13669.09	13669.25	13669.26	13669.23	13669.18
6.0	13656.33	13656.58	13656.84	13657.10	13657.33	13657.54	13657.71	13657.70	13657.65	13657.57
6.5	13643.80	13644.01	13644.22	13644.44	13644.65	13644.84	13645.01	13645.04	13645.05	13645.05
7.0	13630.24	13630.39	13630.55	13630.73	13630.90	13631.08	13631.24	13631.32	13631.39	13631.45
7.5	13615.46	13615.61	13615.77	13615.94	13616.12	13616.28	13616.44	13616.50	13616.55	13616.59
8.0	13599.62	13599.79	13599.96	13600.14	13600.31	13600.48	13600.62	13600.65	13600.66	13600.66
8.5	13582.94	13583.10	13583.27	13583.43	13583.59	13583.73	13583.86	13583.88	13583.88	13583.88
9.0	13565.07	13565.25	13565.43	13565.60	13565.76	13565.90	13566.02	13566.03	13566.01	13565.99
9.5	13545.60	13545.86	13546.13	13546.39	13546.64	13546.86	13547.03	13546.96	13546.85	13546.72
10.0	13525.06	13525.37	13525.69	13526.01	13526.32	13526.59	13526.81	13526.69	13526.51	13526.32
10.5	13504.04	13504.22	13504.42	13504.61	13504.80	13504.96	13505.10	13505.07	13505.02	13504.96
11.0	13481.96	13482.03	13482.09	13482.15	13482.20	13482.26	13482.32	13482.39	13482.46	13482.54
11.5	13458.33	13458.44	13458.54	13458.64	13458.74	13458.83	13458.92	13458.96	13459.00	13459.04
12.0	13433.55	13433.71	13433.89	13434.06	13434.22	13434.36	13434.48	13434.48	13434.45	13434.41
12.5	13407.92	13408.05	13408.20	13408.34	13408.47	13408.59	13408.69	13408.66	13408.62	13408.57
13.0	13381.19	13381.30	13381.41	13381.51	13381.61	13381.70	13381.77	13381.75	13381.71	13381.67
13.5	13353.14	13353.27	13353.41	13353.56	13353.70	13353.83	13353.95	13353.93	13353.90	13353.86
14.0	13324.05	13324.20	13324.37	13324.55	13324.73	13324.89	13325.04	13325.04	13325.03	13325.00
14.5	13294.24	13294.34	13294.44	13294.55	13294.65	13294.76	13294.85	13294.89	13294.92	13294.95
15.0	13263.40	13263.44	13263.49	13263.53	13263.58	13263.63	13263.67	13263.73	13263.79	13263.85
15.5	13231.26	13231.37	13231.48	13231.59	13231.70	13231.79	13231.87	13231.89	13231.90	13231.89
16.0	13197.93	13198.11	13198.30	13198.49	13198.67	13198.84	13198.97	13198.95	13198.90	13198.83
16.5	13163.35	13163.50	13163.68	13163.87	13164.06	13164.24	13164.39	13164.41	13164.39	13164.36
17.0	13127.82	13127.93	13128.07	13128.24	13128.41	13128.59	13128.75	13128.81	13128.84	13128.86
17.5	13091.80	13091.92	13092.06	13092.21	13092.36	13092.51	13092.64	13092.69	13092.72	13092.73
18.0	13054.70	13054.84	13054.99	13055.13	13055.26	13055.38	13055.49	13055.54	13055.56	13055.57
18.5	13015.84	13016.00	13016.17	13016.34	13016.50	13016.66	13016.80	13016.89	13016.96	13017.02
19.0	12975.89	12976.04	12976.21	12976.39	12976.57	12976.75	12976.92	12977.05	12977.17	12977.28
19.5	12935.43	12935.51	12935.61	12935.71	12935.81	12935.91	12936.02	12936.14	12936.26	12936.38
20.0	12894.00	12894.01	12894.02	12894.03	12894.05	12894.07	12894.11	12894.22	12894.34	12894.47
20.5	12851.27	12851.24	12851.22	12851.20	12851.20	12851.21	12851.24	12851.39	12851.56	12851.73
21.0	12807.43	12807.40	12807.38	12807.38	12807.39	12807.42	12807.48	12807.65	12807.84	12808.02
21.5	12762.59	12762.64	12762.69	12762.76	12762.83	12762.91	12762.99	12763.09	12763.18	12763.26
22.0	12716.66	12716.77	12716.91	12717.06	12717.21	12717.35	12717.47	12717.50	12717.51	12717.50
22.5	12669.38	12669.51	12669.69	12669.89	12670.11	12670.33	12670.55	12670.66	12670.75	12670.82
23.0	12621.22	12621.35	12621.54	12621.78	12622.04	12622.31	12622.58	12622.77	12622.94	12623.08
23.5	12572.85	12572.99	12573.17	12573.37	12573.59	12573.80	12574.00	12574.11	12574.19	12574.24
24.0	12523.43	12523.57	12523.72	12523.88	12524.03	12524.17	12524.28	12524.28	12524.25	12524.20
24.5	12472.20	12472.29	12472.39	12472.50	12472.61	12472.72	12472.82	12472.81	12472.79	12472.75
25.0	12419.71	12419.75	12419.82	12419.92	12420.03	12420.13	12420.24	12420.24	12420.23	12420.21
25.5	12366.26	12366.36	12366.50	12366.66	12366.83	12366.99	12367.12	12367.08	12367.01	12366.93
26.0	12311.81	12311.98	12312.18	12312.40	12312.62	12312.82	12312.98	12312.91	12312.80	12312.66
26.5	12256.47	12256.60	12256.76	12256.92	12257.08	12257.24	12257.37	12257.35	12257.31	12257.25
27.0	12200.10	12200.18	12200.28	12200.39	12200.50	12200.62	12200.72	12200.75	12200.77	12200.79
27.5	12142.54	12142.68	12142.83	12143.00	12143.17	12143.32	12143.45	12143.43	12143.38	12143.33
28.0	12083.86	12084.05	12084.27	12084.50	12084.72	12084.93	12085.10	12085.02	12084.90	12084.76
28.5	12024.04	12024.20	12024.40	12024.62	12024.83	12025.02	12025.19	12025.12	12025.02	12024.91
29.0	11963.12	11963.26	11963.43	11963.62	11963.81	11963.99	11964.15	11964.13	11964.08	11964.02
29.5	11901.17	11901.33	11901.53	11901.75	11901.97	11902.19	11902.38	11902.43	11902.44	11902.44
30.0	11838.17	11838.35	11838.58	11838.82	11839.08	11839.32	11839.55	11839.63	11839.68	11839.71
30.5	11774.16	11774.30	11774.49	11774.70	11774.92	11775.13	11775.32	11775.32	11775.30	11775.27
31.0	11709.08	11709.20	11709.36	11709.55	11709.74	11709.92	11710.07	11710.00	11709.91	11709.81
31.5	11642.89	11643.08	11643.32	11643.57	11643.83	11644.07	11644.27	11644.23	11644.16	11644.06

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32.0	11575.62	11575.88	11576.18	11576.50	11576.82	11577.12	11577.38	11577.39	11577.36	11577.30
32.5	11507.27	11507.51	11507.78	11508.07	11508.36	11508.64	11508.89	11508.94	11508.95	11508.93
33.0	11437.83	11438.02	11438.23	11438.46	11438.70	11438.92	11439.13	11439.21	11439.26	11439.29
33.5	11367.26	11367.40	11367.55	11367.72	11367.89	11368.05	11368.21	11368.29	11368.36	11368.41
34.0	11295.61	11295.73	11295.85	11295.98	11296.11	11296.24	11296.35	11296.43	11296.48	11296.52
34.5	11222.88	11223.04	11223.22	11223.42	11223.61	11223.79	11223.95	11223.97	11223.96	11223.92
35.0	11149.24	11149.46	11149.72	11149.99	11150.25	11150.49	11150.69	11150.63	11150.53	11150.40
35.5	11075.08	11075.32	11075.58	11075.84	11076.08	11076.28	11076.44	11076.29	11076.10	11075.88
36.0	10999.79	11000.04	11000.30	11000.55	11000.77	11000.95	11001.06	11000.84	11000.57	11000.27
36.5	10922.65	10922.97	10923.31	10923.64	10923.93	10924.18	10924.34	10924.09	10923.77	10923.41
37.0	10844.30	10844.68	10845.09	10845.49	10845.86	10846.17	10846.40	10846.14	10845.81	10845.43
37.5	10765.28	10765.63	10766.01	10766.40	10766.75	10767.05	10767.28	10767.05	10766.76	10766.42
38.0	10685.23	10685.54	10685.87	10686.21	10686.52	10686.78	10686.98	10686.80	10686.56	10686.28
38.5	10603.99	10604.26	10604.54	10604.82	10605.07	10605.28	10605.43	10605.27	10605.05	10604.81
39.0	10521.55	10521.83	10522.11	10522.38	10522.62	10522.82	10522.96	10522.80	10522.59	10522.35
39.5	10437.74	10438.17	10438.62	10439.07	10439.49	10439.86	10440.14	10439.96	10439.69	10439.38
40.0	10352.87	10353.44	10354.06	10354.69	10355.29	10355.82	10356.23	10356.00	10355.65	10355.23
40.5	10267.29	10267.86	10268.47	10269.09	10269.66	10270.15	10270.51	10270.17	10269.71	10269.18
41.0	10180.68	10181.21	10181.76	10182.30	10182.79	10183.19	10183.46	10183.04	10182.51	10181.93
41.5	10092.80	10093.26	10093.75	10094.23	10094.67	10095.03	10095.28	10094.96	10094.53	10094.06
42.0	10003.84	10004.25	10004.69	10005.13	10005.53	10005.88	10006.13	10005.89	10005.57	10005.20
42.5	9914.00	9914.44	9914.91	9915.38	9915.82	9916.18	9916.43	9916.10	9915.66	9915.17
43.0	9823.01	9823.49	9824.01	9824.51	9824.98	9825.36	9825.61	9825.14	9824.57	9823.94
43.5	9730.62	9731.07	9731.54	9732.00	9732.41	9732.74	9732.96	9732.48	9731.91	9731.29
44.0	9637.07	9637.49	9637.93	9638.36	9638.75	9639.05	9639.25	9638.78	9638.23	9637.64
44.5	9542.52	9543.06	9543.65	9544.22	9544.74	9545.16	9545.45	9544.93	9544.30	9543.61
45.0	9446.91	9447.53	9448.18	9448.83	9449.42	9449.91	9450.25	9449.72	9449.07	9448.35
45.5	9350.30	9350.68	9351.06	9351.41	9351.71	9351.95	9352.09	9351.75	9351.33	9350.89
46.0	9252.47	9252.61	9252.69	9252.74	9252.75	9252.73	9252.67	9252.53	9252.37	9252.22
46.5	9153.12	9153.25	9153.37	9153.45	9153.51	9153.54	9153.55	9153.48	9153.39	9153.30
47.0	9052.61	9052.81	9053.01	9053.20	9053.38	9053.53	9053.64	9053.58	9053.50	9053.38
47.5	8951.32	8951.50	8951.69	8951.87	8952.04	8952.19	8952.30	8952.21	8952.08	8951.94
48.0	8849.00	8849.15	8849.30	8849.45	8849.58	8849.69	8849.76	8849.64	8849.49	8849.33
48.5	8745.63	8745.76	8745.88	8745.98	8746.06	8746.13	8746.19	8746.19	8746.18	8746.17
49.0	8640.99	8641.08	8641.13	8641.15	8641.14	8641.12	8641.09	8641.11	8641.14	8641.17
49.5	8535.21	8535.20	8535.14	8535.03	8534.86	8534.66	8534.40	8534.01	8533.60	8533.19
50.0	8427.25	8427.06	8426.80	8426.46	8426.05	8425.56	8425.00	8424.15	8423.27	8422.39
50.5	8316.59	8316.02	8315.31	8314.50	8313.60	8312.64	8311.64	8310.61	8309.60	8308.63
51.0	8201.77	8200.86	8199.77	8198.56	8197.26	8195.92	8194.59	8193.53	8192.54	8191.63
51.5	8080.40	8079.52	8078.49	8077.35	8076.15	8074.93	8073.73	8072.80	8071.94	8071.15
52.0	7954.63	7953.84	7952.95	7951.99	7950.99	7949.99	7949.02	7948.27	7947.59	7946.98
52.5	7825.76	7824.89	7823.92	7822.89	7821.84	7820.80	7819.82	7819.14	7818.56	7818.08
53.0	7693.93	7692.99	7691.95	7690.86	7689.76	7688.71	7687.75	7687.25	7686.87	7686.64
53.5	7559.11	7558.21	7557.25	7556.29	7555.38	7554.57	7553.92	7553.93	7554.13	7554.49
54.0	7423.25	7422.41	7421.57	7420.77	7420.09	7419.56	7419.26	7419.84	7420.66	7421.65
54.5	7288.25	7287.47	7286.71	7286.03	7285.48	7285.13	7285.04	7285.99	7287.19	7288.58
55.0	7154.25	7153.48	7152.75	7152.11	7151.62	7151.37	7151.39	7152.61	7154.11	7155.78
55.5	7022.06	7021.20	7020.38	7019.68	7019.16	7018.89	7018.94	7020.35	7022.05	7023.94
56.0	6891.53	6890.51	6889.52	6888.66	6887.98	6887.58	6887.54	6889.09	6890.95	6893.01
56.5	6763.48	6762.23	6760.92	6759.69	6758.63	6757.87	6757.51	6759.19	6761.24	6763.52
57.0	6635.77	6634.34	6632.77	6631.21	6629.81	6628.71	6628.06	6629.82	6631.99	6634.42
57.5	6506.08	6504.68	6503.13	6501.59	6500.19	6499.07	6498.40	6500.12	6502.25	6504.63
58.0	6375.72	6374.48	6373.10	6371.71	6370.45	6369.46	6368.87	6370.48	6372.47	6374.69
58.5	6245.45	6244.42	6243.25	6242.06	6240.98	6240.12	6239.60	6241.06	6242.85	6244.83
59.0	6114.68	6113.96	6113.11	6112.23	6111.42	6110.79	6110.42	6111.69	6113.22	6114.86
59.5	5982.88	5982.58	5982.20	5981.81	5981.48	5981.25	5981.21	5982.33	5983.60	5984.93

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60.0	5850.69	5850.88	5851.05	5851.22	5851.41	5851.64	5851.93	5852.73	5853.56	5854.37
60.5	5719.19	5719.95	5720.75	5721.54	5722.28	5722.93	5723.44	5723.45	5723.30	5723.02
61.0	5586.58	5587.80	5589.08	5590.34	5591.47	5592.38	5592.98	5592.13	5590.95	5589.54
61.5	5452.36	5453.60	5454.87	5456.06	5457.06	5457.77	5458.08	5456.57	5454.68	5452.53
62.0	5313.79	5315.00	5316.19	5317.27	5318.12	5318.63	5318.71	5316.83	5314.54	5311.97
62.5	5166.18	5167.67	5169.19	5170.61	5171.83	5172.70	5173.11	5171.37	5169.18	5166.69
63.0	5014.81	5016.60	5018.47	5020.29	5021.93	5023.24	5024.09	5022.75	5020.94	5018.81
63.5	4862.76	4864.71	4866.74	4868.72	4870.55	4872.09	4873.21	4872.43	4871.23	4869.72
64.0	4711.93	4713.90	4715.91	4717.88	4719.69	4721.25	4722.46	4722.15	4721.48	4720.53
64.5	4566.03	4567.78	4569.49	4571.09	4572.52	4573.70	4574.56	4574.21	4573.53	4572.61
65.0	4422.64	4424.12	4425.48	4426.68	4427.67	4428.42	4428.86	4428.34	4427.55	4426.54
65.5	4280.52	4281.86	4283.07	4284.11	4284.95	4285.54	4285.87	4285.40	4284.68	4283.76
66.0	4139.89	4141.16	4142.28	4143.23	4143.99	4144.52	4144.81	4144.42	4143.81	4143.00
66.5	4001.32	4002.60	4003.74	4004.70	4005.45	4005.97	4006.23	4005.97	4005.43	4004.62
67.0	3862.64	3863.80	3864.78	3865.57	3866.14	3866.48	3866.56	3866.39	3865.92	3865.14
67.5	3721.92	3722.40	3722.59	3722.53	3722.26	3721.80	3721.20	3720.98	3720.60	3719.99
68.0	3578.96	3578.79	3578.23	3577.36	3576.27	3575.05	3573.79	3573.50	3573.19	3572.77
68.5	3432.66	3432.44	3431.78	3430.79	3429.56	3428.20	3426.82	3426.48	3426.16	3425.77
69.0	3283.84	3283.79	3283.32	3282.53	3281.51	3280.36	3279.17	3278.91	3278.66	3278.36
69.5	3131.03	3131.17	3131.03	3130.68	3130.20	3129.64	3129.07	3129.25	3129.43	3129.56
70.0	2980.08	2980.44	2980.67	2980.82	2980.92	2980.98	2981.05	2981.62	2982.17	2982.65
70.5	2837.71	2838.31	2838.85	2839.32	2839.73	2840.09	2840.40	2840.89	2841.30	2841.62
71.0	2699.82	2700.58	2701.27	2701.87	2702.39	2702.80	2703.12	2703.31	2703.39	2703.33
71.5	2565.51	2566.14	2566.67	2567.07	2567.34	2567.48	2567.46	2567.14	2566.68	2566.08
72.0	2431.92	2432.30	2432.54	2432.62	2432.55	2432.31	2431.92	2431.26	2430.44	2429.51
72.5	2294.99	2295.03	2294.92	2294.66	2294.30	2293.85	2293.33	2293.02	2292.66	2292.23
73.0	2157.44	2157.24	2156.89	2156.45	2155.96	2155.48	2155.03	2155.20	2155.41	2155.63
73.5	2019.09	2019.04	2018.97	2018.89	2018.81	2018.76	2018.75	2019.09	2019.46	2019.80
74.0	1884.62	1884.75	1884.94	1885.19	1885.48	1885.80	1886.13	1886.49	1886.84	1887.15
74.5	1761.02	1760.90	1760.79	1760.69	1760.61	1760.56	1760.55	1760.81	1761.09	1761.33
75.0	1641.27	1640.93	1640.50	1640.01	1639.49	1638.97	1638.49	1638.51	1638.56	1638.60
75.5	1519.26	1519.23	1519.06	1518.76	1518.35	1517.87	1517.33	1516.81	1516.27	1515.71
76.0	1399.26	1399.45	1399.45	1399.26	1398.92	1398.42	1397.80	1396.84	1395.82	1394.80
76.5	1284.39	1283.97	1283.25	1282.28	1281.15	1279.93	1278.69	1277.90	1277.18	1276.52
77.0	1171.90	1170.98	1169.69	1168.16	1166.50	1164.81	1163.21	1162.69	1162.34	1162.12
77.5	1058.59	1058.31	1057.88	1057.33	1056.68	1055.98	1055.25	1054.67	1054.10	1053.55
78.0	948.95	949.37	949.86	950.38	950.86	951.25	951.48	950.87	950.10	949.25
78.5	847.06	847.20	847.46	847.78	848.12	848.44	848.69	848.41	848.05	847.63
79.0	750.93	750.64	750.46	750.35	750.32	750.34	750.42	750.50	750.61	750.74
79.5	659.60	659.34	659.19	659.15	659.20	659.33	659.51	659.78	660.07	660.36
80.0	573.97	573.84	573.85	573.97	574.18	574.46	574.77	575.06	575.36	575.63
80.5	494.54	494.50	494.56	494.71	494.92	495.16	495.42	495.43	495.45	495.49
81.0	421.49	421.59	421.79	422.07	422.39	422.72	423.03	422.81	422.58	422.40
81.5	355.16	355.63	356.37	357.27	358.27	359.28	360.20	360.25	360.18	360.02
82.0	295.57	296.25	297.32	298.66	300.14	301.65	303.06	303.47	303.68	303.69
82.5	242.88	242.97	243.39	244.07	244.93	245.90	246.89	247.59	248.20	248.71
83.0	197.08	196.57	196.26	196.13	196.18	196.39	196.73	197.42	198.19	198.97
83.5	159.38	159.04	158.74	158.48	158.25	158.05	157.90	157.75	157.64	157.58
84.0	126.32	126.27	126.13	125.91	125.61	125.23	124.77	123.89	123.00	122.16
84.5	92.93	92.75	92.56	92.35	92.12	91.88	91.64	91.24	90.87	90.55
85.0	64.95	64.61	64.35	64.16	64.06	64.05	64.12	64.40	64.76	65.16
85.5	47.77	47.43	47.18	47.02	46.97	47.01	47.15	47.51	47.96	48.46
86.0	37.56	37.29	37.10	36.99	36.96	37.00	37.11	37.36	37.68	38.06
86.5	33.75	33.66	33.60	33.57	33.57	33.58	33.61	33.65	33.71	33.78
87.0	31.98	32.04	32.08	32.10	32.09	32.06	31.99	31.83	31.64	31.44
87.5	26.65	26.64	26.59	26.51	26.41	26.29	26.16	26.00	25.84	25.68

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88.0	20.91	20.79	20.64	20.47	20.30	20.13	19.97	19.89	19.83	19.81
88.5	15.75	15.64	15.53	15.42	15.33	15.25	15.19	15.18	15.20	15.25
89.0	12.02	11.95	11.91	11.89	11.90	11.93	11.97	12.02	12.09	12.17
89.5	11.06	11.03	11.02	11.02	11.05	11.09	11.14	11.19	11.24	11.31
90.0	12.43	12.43	12.43	12.43	12.43	12.43	12.43	12.42	12.42	12.41

Vert. Horizontal Angles
Angles

	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13734.15	13734.09	13734.02	13734.09	13734.15	13734.21	13734.26	13734.29	13734.30	13734.24
1.0	13732.34	13732.24	13732.13	13732.24	13732.34	13732.43	13732.51	13732.57	13732.61	13732.52
1.5	13728.95	13728.85	13728.77	13728.85	13728.95	13729.05	13729.15	13729.23	13729.29	13729.23
2.0	13724.41	13724.32	13724.26	13724.32	13724.41	13724.51	13724.62	13724.72	13724.80	13724.75
2.5	13719.11	13719.00	13718.92	13719.00	13719.11	13719.24	13719.37	13719.48	13719.57	13719.48
3.0	13712.94	13712.81	13712.70	13712.81	13712.94	13713.09	13713.23	13713.36	13713.44	13713.30
3.5	13705.90	13705.76	13705.65	13705.76	13705.90	13706.05	13706.19	13706.32	13706.40	13706.25
4.0	13698.01	13697.89	13697.79	13697.89	13698.01	13698.14	13698.27	13698.38	13698.45	13698.29
4.5	13689.36	13689.29	13689.23	13689.29	13689.36	13689.44	13689.51	13689.55	13689.57	13689.42
5.0	13679.79	13679.76	13679.73	13679.76	13679.79	13679.82	13679.84	13679.83	13679.81	13679.66
5.5	13669.13	13669.07	13669.02	13669.07	13669.13	13669.18	13669.23	13669.26	13669.25	13669.09
6.0	13657.49	13657.41	13657.35	13657.41	13657.49	13657.57	13657.65	13657.70	13657.71	13657.54
6.5	13645.03	13645.02	13645.01	13645.02	13645.03	13645.05	13645.05	13645.04	13645.01	13644.84
7.0	13631.51	13631.56	13631.61	13631.56	13631.51	13631.45	13631.39	13631.32	13631.24	13631.08
7.5	13616.63	13616.68	13616.73	13616.68	13616.63	13616.59	13616.55	13616.50	13616.44	13616.28
8.0	13600.67	13600.69	13600.72	13600.69	13600.67	13600.66	13600.66	13600.65	13600.62	13600.48
8.5	13583.89	13583.90	13583.94	13583.90	13583.89	13583.88	13583.88	13583.88	13583.86	13583.73
9.0	13565.98	13565.97	13566.00	13565.97	13565.98	13565.99	13566.01	13566.03	13566.02	13565.90
9.5	13546.60	13546.49	13546.42	13546.49	13546.60	13546.72	13546.85	13546.96	13547.03	13546.86
10.0	13526.12	13525.94	13525.81	13525.94	13526.12	13526.32	13526.51	13526.69	13526.81	13526.59
10.5	13504.89	13504.84	13504.82	13504.84	13504.89	13504.96	13505.02	13505.07	13505.10	13504.96
11.0	13482.62	13482.70	13482.79	13482.70	13482.62	13482.54	13482.46	13482.39	13482.32	13482.26
11.5	13459.08	13459.12	13459.17	13459.12	13459.08	13459.04	13459.00	13458.96	13458.92	13458.83
12.0	13434.38	13434.35	13434.34	13434.35	13434.38	13434.41	13434.45	13434.48	13434.48	13434.36
12.5	13408.53	13408.49	13408.46	13408.49	13408.53	13408.57	13408.62	13408.66	13408.69	13408.59
13.0	13381.62	13381.58	13381.56	13381.58	13381.62	13381.67	13381.71	13381.75	13381.77	13381.70
13.5	13353.81	13353.77	13353.74	13353.77	13353.81	13353.86	13353.90	13353.93	13353.95	13353.83
14.0	13324.96	13324.93	13324.90	13324.93	13324.96	13325.00	13325.03	13325.04	13325.04	13324.89
14.5	13294.96	13294.97	13294.98	13294.97	13294.96	13294.95	13294.92	13294.89	13294.85	13294.76
15.0	13263.90	13263.94	13263.97	13263.94	13263.90	13263.85	13263.79	13263.73	13263.67	13263.63
15.5	13231.87	13231.85	13231.82	13231.85	13231.87	13231.89	13231.90	13231.89	13231.87	13231.79
16.0	13198.74	13198.65	13198.57	13198.65	13198.74	13198.83	13198.90	13198.95	13198.97	13198.84
16.5	13164.31	13164.26	13164.21	13164.26	13164.31	13164.36	13164.39	13164.41	13164.39	13164.24
17.0	13128.87	13128.86	13128.85	13128.86	13128.87	13128.86	13128.84	13128.81	13128.75	13128.59
17.5	13092.73	13092.72	13092.70	13092.72	13092.73	13092.73	13092.72	13092.69	13092.64	13092.51
18.0	13055.56	13055.54	13055.51	13055.54	13055.56	13055.57	13055.56	13055.54	13055.49	13055.38
18.5	13017.06	13017.08	13017.09	13017.08	13017.06	13017.02	13016.96	13016.89	13016.80	13016.66
19.0	12977.37	12977.44	12977.50	12977.44	12977.37	12977.28	12977.17	12977.05	12976.92	12976.75
19.5	12936.49	12936.58	12936.66	12936.58	12936.49	12936.38	12936.26	12936.14	12936.02	12935.91
20.0	12894.59	12894.69	12894.78	12894.69	12894.59	12894.47	12894.34	12894.22	12894.11	12894.07
20.5	12851.89	12852.03	12852.13	12852.03	12851.89	12851.73	12851.56	12851.39	12851.24	12851.21
21.0	12808.20	12808.34	12808.45	12808.34	12808.20	12808.02	12807.84	12807.65	12807.48	12807.42
21.5	12763.33	12763.39	12763.42	12763.39	12763.33	12763.26	12763.18	12763.09	12762.99	12762.91
22.0	12717.48	12717.45	12717.42	12717.45	12717.48	12717.50	12717.51	12717.50	12717.47	12717.35
22.5	12670.87	12670.89	12670.90	12670.89	12670.87	12670.82	12670.75	12670.66	12670.55	12670.33
23.0	12623.20	12623.29	12623.35	12623.29	12623.20	12623.08	12622.94	12622.77	12622.58	12622.31

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23.5	12574.28	12574.29	12574.29	12574.29	12574.28	12574.24	12574.19	12574.11	12574.00	12573.80
24.0	12524.14	12524.08	12524.02	12524.08	12524.14	12524.20	12524.25	12524.28	12524.28	12524.17
24.5	12472.71	12472.68	12472.65	12472.68	12472.71	12472.75	12472.79	12472.81	12472.82	12472.72
25.0	12420.21	12420.20	12420.22	12420.20	12420.21	12420.21	12420.23	12420.24	12420.24	12420.13
25.5	12366.85	12366.78	12366.73	12366.78	12366.85	12366.93	12367.01	12367.08	12367.12	12366.99
26.0	12312.52	12312.39	12312.29	12312.39	12312.52	12312.66	12312.80	12312.91	12312.98	12312.82
26.5	12257.19	12257.13	12257.09	12257.13	12257.19	12257.25	12257.31	12257.35	12257.37	12257.24
27.0	12200.80	12200.81	12200.83	12200.81	12200.80	12200.79	12200.77	12200.75	12200.72	12200.62
27.5	12143.27	12143.21	12143.18	12143.21	12143.27	12143.33	12143.38	12143.43	12143.45	12143.32
28.0	12084.62	12084.49	12084.40	12084.49	12084.62	12084.76	12084.90	12085.02	12085.10	12084.93
28.5	12024.79	12024.69	12024.61	12024.69	12024.79	12024.91	12025.02	12025.12	12025.19	12025.02
29.0	11963.96	11963.90	11963.86	11963.90	11963.96	11964.02	11964.08	11964.13	11964.15	11963.99
29.5	11902.42	11902.39	11902.37	11902.39	11902.42	11902.44	11902.44	11902.43	11902.38	11902.19
30.0	11839.71	11839.70	11839.68	11839.70	11839.71	11839.71	11839.68	11839.63	11839.55	11839.32
30.5	11775.23	11775.19	11775.17	11775.19	11775.23	11775.27	11775.30	11775.32	11775.32	11775.13
31.0	11709.71	11709.64	11709.60	11709.64	11709.71	11709.81	11709.91	11710.00	11710.07	11709.92
31.5	11643.95	11643.86	11643.79	11643.86	11643.95	11644.06	11644.16	11644.23	11644.27	11644.07
32.0	11577.21	11577.11	11577.02	11577.11	11577.21	11577.30	11577.36	11577.39	11577.38	11577.12
32.5	11508.90	11508.84	11508.79	11508.84	11508.90	11508.93	11508.95	11508.94	11508.89	11508.64
33.0	11439.30	11439.30	11439.29	11439.30	11439.30	11439.29	11439.26	11439.21	11439.13	11438.92
33.5	11368.45	11368.47	11368.47	11368.47	11368.45	11368.41	11368.36	11368.29	11368.21	11368.05
34.0	11296.55	11296.56	11296.56	11296.56	11296.55	11296.52	11296.48	11296.43	11296.35	11296.24
34.5	11223.88	11223.82	11223.77	11223.82	11223.88	11223.92	11223.96	11223.97	11223.95	11223.79
35.0	11150.26	11150.12	11150.00	11150.12	11150.26	11150.40	11150.53	11150.63	11150.69	11150.49
35.5	11075.65	11075.44	11075.25	11075.44	11075.65	11075.88	11076.10	11076.29	11076.44	11076.28
36.0	10999.96	10999.68	10999.44	10999.68	10999.96	11000.27	11000.57	11000.84	11001.06	11000.95
36.5	10923.05	10922.72	10922.45	10922.72	10923.05	10923.41	10923.77	10924.09	10924.34	10924.18
37.0	10845.04	10844.69	10844.40	10844.69	10845.04	10845.43	10845.81	10846.14	10846.40	10846.17
37.5	10766.08	10765.75	10765.48	10765.75	10766.08	10766.42	10766.76	10767.05	10767.28	10767.05
38.0	10685.99	10685.71	10685.48	10685.71	10685.99	10686.28	10686.56	10686.80	10686.98	10686.78
38.5	10604.57	10604.33	10604.14	10604.33	10604.57	10604.81	10605.05	10605.27	10605.43	10605.28
39.0	10522.11	10521.88	10521.70	10521.88	10522.11	10522.35	10522.59	10522.80	10522.96	10522.82
39.5	10439.05	10438.74	10438.48	10438.74	10439.05	10439.38	10439.69	10439.96	10440.14	10439.86
40.0	10354.80	10354.38	10354.02	10354.38	10354.80	10355.23	10355.65	10356.00	10356.23	10355.82
40.5	10268.64	10268.14	10267.72	10268.14	10268.64	10269.18	10269.71	10270.17	10270.51	10270.15
41.0	10181.34	10180.79	10180.35	10180.79	10181.34	10181.93	10182.51	10183.04	10183.46	10183.19
41.5	10093.58	10093.13	10092.75	10093.13	10093.58	10094.06	10094.53	10094.96	10095.28	10095.03
42.0	10004.81	10004.45	10004.13	10004.45	10004.81	10005.20	10005.57	10005.89	10006.13	10005.88
42.5	9914.67	9914.20	9913.81	9914.20	9914.67	9915.17	9915.66	9916.10	9916.43	9916.18
43.0	9823.31	9822.73	9822.26	9822.73	9823.31	9823.94	9824.57	9825.14	9825.61	9825.36
43.5	9730.69	9730.16	9729.75	9730.16	9730.69	9731.29	9731.91	9732.48	9732.96	9732.74
44.0	9637.08	9636.60	9636.26	9636.60	9637.08	9637.64	9638.23	9638.78	9639.25	9639.05
44.5	9542.94	9542.36	9541.92	9542.36	9542.94	9543.61	9544.30	9544.93	9545.45	9545.16
45.0	9447.64	9447.00	9446.50	9447.00	9447.64	9448.35	9449.07	9449.72	9450.25	9449.91
45.5	9350.46	9350.08	9349.80	9350.08	9350.46	9350.89	9351.33	9351.75	9352.09	9351.95
46.0	9252.09	9252.00	9251.95	9252.00	9252.09	9252.22	9252.37	9252.53	9252.67	9252.73
46.5	9153.21	9153.13	9153.08	9153.13	9153.21	9153.30	9153.39	9153.48	9153.55	9153.54
47.0	9053.26	9053.13	9053.02	9053.13	9053.26	9053.38	9053.50	9053.58	9053.64	9053.53
47.5	8951.79	8951.66	8951.55	8951.66	8951.79	8951.94	8952.08	8952.21	8952.30	8952.19
48.0	8849.18	8849.06	8848.98	8849.06	8849.18	8849.33	8849.49	8849.64	8849.76	8849.69
48.5	8746.16	8746.17	8746.20	8746.17	8746.16	8746.17	8746.18	8746.19	8746.19	8746.13
49.0	8641.20	8641.24	8641.28	8641.24	8641.20	8641.17	8641.14	8641.11	8641.09	8641.12
49.5	8532.80	8532.45	8532.16	8532.45	8532.80	8533.19	8533.60	8534.01	8534.40	8534.66
50.0	8421.56	8420.80	8420.17	8420.80	8421.56	8422.39	8423.27	8424.15	8425.00	8425.56
50.5	8307.73	8306.92	8306.23	8306.92	8307.73	8308.63	8309.60	8310.61	8311.64	8312.64
51.0	8190.80	8190.07	8189.45	8190.07	8190.80	8191.63	8192.54	8193.53	8194.59	8195.92

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CANDELA TABULATION - (Cont.)

51.5	8070.44	8069.81	8069.27	8069.81	8070.44	8071.15	8071.94	8072.80	8073.73	8074.93
52.0	7946.43	7945.96	7945.57	7945.96	7946.43	7946.98	7947.59	7948.27	7949.02	7949.99
52.5	7817.69	7817.41	7817.23	7817.41	7817.69	7818.08	7818.56	7819.14	7819.82	7820.80
53.0	7686.53	7686.55	7686.69	7686.55	7686.53	7686.64	7686.87	7687.25	7687.75	7688.71
53.5	7554.99	7555.60	7556.29	7555.60	7554.99	7554.49	7554.13	7553.93	7553.92	7554.57
54.0	7422.78	7423.99	7425.24	7423.99	7422.78	7421.65	7420.66	7419.84	7419.26	7419.56
54.5	7290.09	7291.66	7293.22	7291.66	7290.09	7288.58	7287.19	7285.99	7285.04	7285.13
55.0	7157.57	7159.38	7161.13	7159.38	7157.57	7155.78	7154.11	7152.61	7151.39	7151.37
55.5	7025.93	7027.91	7029.79	7027.91	7025.93	7023.94	7022.05	7020.35	7018.94	7018.89
56.0	6895.16	6897.28	6899.24	6897.28	6895.16	6893.01	6890.95	6889.09	6887.54	6887.58
56.5	6765.89	6768.18	6770.27	6768.18	6765.89	6763.52	6761.24	6759.19	6757.51	6757.87
57.0	6636.92	6639.34	6641.49	6639.34	6636.92	6634.42	6631.99	6629.82	6628.06	6628.71
57.5	6507.09	6509.46	6511.58	6509.46	6507.09	6504.63	6502.25	6500.12	6498.40	6499.07
58.0	6376.98	6379.19	6381.16	6379.19	6376.98	6374.69	6372.47	6370.48	6368.87	6369.46
58.5	6246.84	6248.76	6250.45	6248.76	6246.84	6244.83	6242.85	6241.06	6239.60	6240.12
59.0	6116.52	6118.06	6119.37	6118.06	6116.52	6114.86	6113.22	6111.69	6110.42	6110.79
59.5	5986.22	5987.39	5988.35	5987.39	5986.22	5984.93	5983.60	5982.33	5981.21	5981.25
60.0	5855.10	5855.70	5856.12	5855.70	5855.10	5854.37	5853.56	5852.73	5851.93	5851.64
60.5	5722.62	5722.11	5721.51	5722.11	5722.62	5723.02	5723.30	5723.45	5723.44	5722.93
61.0	5587.97	5586.34	5584.73	5586.34	5587.97	5589.54	5590.95	5592.13	5592.98	5592.38
61.5	5450.23	5447.91	5445.67	5447.91	5450.23	5452.53	5454.68	5456.57	5458.08	5457.77
62.0	5309.28	5306.58	5304.02	5306.58	5309.28	5311.97	5314.54	5316.83	5318.71	5318.63
62.5	5164.03	5161.37	5158.83	5161.37	5164.03	5166.69	5169.18	5171.37	5173.11	5172.70
63.0	5016.49	5014.13	5011.85	5014.13	5016.49	5018.81	5020.94	5022.75	5024.09	5023.24
63.5	4868.02	4866.24	4864.49	4866.24	4868.02	4869.72	4871.23	4872.43	4873.21	4872.09
64.0	4719.40	4718.16	4716.90	4718.16	4719.40	4720.53	4721.48	4722.15	4722.46	4721.25
64.5	4571.53	4570.34	4569.13	4570.34	4571.53	4572.61	4573.53	4574.21	4574.56	4573.70
65.0	4425.38	4424.13	4422.85	4424.13	4425.38	4426.54	4427.55	4428.34	4428.86	4428.42
65.5	4282.71	4281.58	4280.41	4281.58	4282.71	4283.76	4284.68	4285.40	4285.87	4285.54
66.0	4142.04	4140.97	4139.83	4140.97	4142.04	4143.00	4143.81	4144.42	4144.81	4144.52
66.5	4003.56	4002.25	4000.71	4002.25	4003.56	4004.62	4005.43	4005.97	4006.23	4005.97
67.0	3864.01	3862.52	3860.65	3862.52	3864.01	3865.14	3865.92	3866.39	3866.56	3866.48
67.5	3719.10	3717.89	3716.29	3717.89	3719.10	3719.99	3720.60	3720.98	3721.20	3721.80
68.0	3572.17	3571.32	3570.14	3571.32	3572.17	3572.77	3573.19	3573.50	3573.79	3575.05
68.5	3425.26	3424.54	3423.57	3424.54	3425.26	3425.77	3426.16	3426.48	3426.82	3428.20
69.0	3277.96	3277.40	3276.64	3277.40	3277.96	3278.36	3278.66	3278.91	3279.17	3280.36
69.5	3129.59	3129.47	3129.13	3129.47	3129.59	3129.56	3129.43	3129.25	3129.07	3129.64
70.0	2983.02	2983.22	2983.21	2983.22	2983.02	2982.65	2982.17	2981.62	2981.05	2980.98
70.5	2841.82	2841.86	2841.71	2841.86	2841.82	2841.62	2841.30	2840.89	2840.40	2840.09
71.0	2703.15	2702.82	2702.35	2702.82	2703.15	2703.33	2703.39	2703.31	2703.12	2702.80
71.5	2565.35	2564.52	2563.58	2564.52	2565.35	2566.08	2566.68	2567.14	2567.46	2567.48
72.0	2428.46	2427.33	2426.12	2427.33	2428.46	2429.51	2430.44	2431.26	2431.92	2432.31
72.5	2291.74	2291.15	2290.47	2291.15	2291.74	2292.23	2292.66	2293.02	2293.33	2293.85
73.0	2155.80	2155.88	2155.83	2155.88	2155.80	2155.63	2155.41	2155.20	2155.03	2155.48
73.5	2020.11	2020.32	2020.43	2020.32	2020.11	2019.80	2019.46	2019.09	2018.75	2018.76
74.0	1887.40	1887.57	1887.64	1887.57	1887.40	1887.15	1886.84	1886.49	1886.13	1885.80
74.5	1761.52	1761.61	1761.58	1761.61	1761.52	1761.33	1761.09	1760.81	1760.55	1760.56
75.0	1638.59	1638.50	1638.28	1638.50	1638.59	1638.60	1638.56	1638.51	1638.49	1638.97
75.5	1515.15	1514.60	1514.08	1514.60	1515.15	1515.71	1516.27	1516.81	1517.33	1517.87
76.0	1393.82	1392.96	1392.25	1392.96	1393.82	1394.80	1395.82	1396.84	1397.80	1398.42
76.5	1275.96	1275.48	1275.10	1275.48	1275.96	1276.52	1277.18	1277.90	1278.69	1279.93
77.0	1161.98	1161.89	1161.82	1161.89	1161.98	1162.12	1162.34	1162.69	1163.21	1164.81
77.5	1053.02	1052.53	1052.09	1052.53	1053.02	1053.55	1054.10	1054.67	1055.25	1055.98
78.0	948.36	947.50	946.71	947.50	948.36	949.25	950.10	950.87	951.48	951.25
78.5	847.21	846.79	846.42	846.79	847.21	847.63	848.05	848.41	848.69	848.44
79.0	750.88	751.02	751.14	751.02	750.88	750.74	750.61	750.50	750.42	750.34

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79.5	660.63	660.87	661.04	660.87	660.63	660.36	660.07	659.78	659.51	659.33
80.0	575.88	576.07	576.19	576.07	575.88	575.63	575.36	575.06	574.77	574.46
80.5	495.58	495.73	495.95	495.73	495.58	495.49	495.45	495.43	495.42	495.16
81.0	422.31	422.36	422.59	422.36	422.31	422.40	422.58	422.81	423.03	422.72
81.5	359.80	359.58	359.39	359.58	359.80	360.02	360.18	360.25	360.20	359.28
82.0	303.52	303.17	302.67	303.17	303.52	303.69	303.68	303.47	303.06	301.65
82.5	249.09	249.30	249.31	249.30	249.09	248.71	248.20	247.59	246.89	245.90
83.0	199.72	200.38	200.90	200.38	199.72	198.97	198.19	197.42	196.73	196.39
83.5	157.58	157.63	157.74	157.63	157.58	157.58	157.64	157.75	157.90	158.05
84.0	121.43	120.87	120.55	120.87	121.43	122.16	123.00	123.89	124.77	125.23
84.5	90.32	90.20	90.23	90.20	90.32	90.55	90.87	91.24	91.64	91.88
85.0	65.61	66.08	66.55	66.08	65.61	65.16	64.76	64.40	64.12	64.05
85.5	49.01	49.59	50.17	49.59	49.01	48.46	47.96	47.51	47.15	47.01
86.0	38.49	38.95	39.45	38.95	38.49	38.06	37.68	37.36	37.11	37.00
86.5	33.87	33.98	34.11	33.98	33.87	33.78	33.71	33.65	33.61	33.58
87.0	31.22	31.01	30.80	31.01	31.22	31.44	31.64	31.83	31.99	32.06
87.5	25.53	25.39	25.26	25.39	25.53	25.68	25.84	26.00	26.16	26.29
88.0	19.80	19.83	19.89	19.83	19.80	19.81	19.83	19.89	19.97	20.13
88.5	15.32	15.42	15.55	15.42	15.32	15.25	15.20	15.18	15.19	15.25
89.0	12.28	12.41	12.55	12.41	12.28	12.17	12.09	12.02	11.97	11.93
89.5	11.39	11.48	11.58	11.48	11.39	11.31	11.24	11.19	11.14	11.09
90.0	12.41	12.40	12.40	12.40	12.41	12.41	12.42	12.42	12.43	12.43

**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	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13734.17	13734.08	13733.99	13733.90	13733.81	13733.76	13733.72	13733.69	13733.67	13733.65
1.0	13732.41	13732.28	13732.13	13731.99	13731.85	13731.76	13731.70	13731.64	13731.60	13731.57
1.5	13729.13	13729.02	13728.89	13728.76	13728.62	13728.52	13728.43	13728.34	13728.27	13728.21
2.0	13724.68	13724.58	13724.47	13724.36	13724.23	13724.12	13724.02	13723.92	13723.83	13723.76
2.5	13719.36	13719.21	13719.05	13718.88	13718.72	13718.61	13718.52	13718.44	13718.37	13718.33
3.0	13713.13	13712.92	13712.70	13712.48	13712.27	13712.16	13712.08	13712.03	13712.00	13711.99
3.5	13706.05	13705.83	13705.59	13705.35	13705.13	13705.02	13704.95	13704.90	13704.87	13704.87
4.0	13698.09	13697.87	13697.63	13697.39	13697.16	13697.05	13696.97	13696.91	13696.87	13696.85
4.5	13689.23	13689.02	13688.80	13688.57	13688.36	13688.21	13688.08	13687.98	13687.89	13687.82
5.0	13679.48	13679.28	13679.08	13678.86	13678.65	13678.46	13678.29	13678.14	13678.01	13677.90
5.5	13668.90	13668.68	13668.44	13668.20	13667.96	13667.76	13667.58	13667.41	13667.27	13667.15
6.0	13657.33	13657.10	13656.84	13656.58	13656.33	13656.14	13655.97	13655.81	13655.68	13655.58
6.5	13644.65	13644.44	13644.22	13644.01	13643.80	13643.67	13643.56	13643.47	13643.39	13643.33
7.0	13630.90	13630.73	13630.55	13630.39	13630.24	13630.16	13630.11	13630.07	13630.04	13630.02
7.5	13616.12	13615.94	13615.77	13615.61	13615.46	13615.37	13615.30	13615.25	13615.22	13615.21
8.0	13600.31	13600.14	13599.96	13599.79	13599.62	13599.50	13599.39	13599.31	13599.25	13599.23
8.5	13583.59	13583.43	13583.27	13583.10	13582.94	13582.77	13582.63	13582.50	13582.40	13582.33
9.0	13565.76	13565.60	13565.43	13565.25	13565.07	13564.89	13564.72	13564.57	13564.44	13564.34
9.5	13546.64	13546.39	13546.13	13545.86	13545.60	13545.44	13545.31	13545.21	13545.13	13545.07
10.0	13526.32	13526.01	13525.69	13525.37	13525.06	13524.94	13524.85	13524.79	13524.76	13524.76
10.5	13504.80	13504.61	13504.42	13504.22	13504.04	13503.93	13503.83	13503.75	13503.69	13503.65
11.0	13482.20	13482.15	13482.09	13482.03	13481.96	13481.85	13481.75	13481.64	13481.54	13481.44
11.5	13458.74	13458.64	13458.54	13458.44	13458.33	13458.22	13458.11	13458.00	13457.91	13457.83
12.0	13434.22	13434.06	13433.89	13433.71	13433.55	13433.43	13433.33	13433.24	13433.16	13433.11
12.5	13408.47	13408.34	13408.20	13408.05	13407.92	13407.82	13407.74	13407.66	13407.60	13407.55
13.0	13381.61	13381.51	13381.41	13381.30	13381.19	13381.12	13381.06	13381.01	13380.96	13380.92
13.5	13353.70	13353.56	13353.41	13353.27	13353.14	13353.07	13353.03	13353.00	13353.00	13353.00
14.0	13324.73	13324.55	13324.37	13324.20	13324.05	13323.98	13323.95	13323.94	13323.96	13324.00
14.5	13294.65	13294.55	13294.44	13294.34	13294.24	13294.18	13294.13	13294.10	13294.09	13294.10

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15.0	13263.58	13263.53	13263.49	13263.44	13263.40	13263.32	13263.26	13263.20	13263.15	13263.12
15.5	13231.70	13231.59	13231.48	13231.37	13231.26	13231.15	13231.06	13230.98	13230.92	13230.90
16.0	13198.67	13198.49	13198.30	13198.11	13197.93	13197.81	13197.72	13197.65	13197.62	13197.62
16.5	13164.06	13163.87	13163.68	13163.50	13163.35	13163.32	13163.32	13163.36	13163.42	13163.51
17.0	13128.41	13128.24	13128.07	13127.93	13127.82	13127.86	13127.93	13128.04	13128.17	13128.32
17.5	13092.36	13092.21	13092.06	13091.92	13091.80	13091.75	13091.73	13091.73	13091.76	13091.81
18.0	13055.26	13055.13	13054.99	13054.84	13054.70	13054.55	13054.41	13054.29	13054.20	13054.13
18.5	13016.50	13016.34	13016.17	13016.00	13015.84	13015.68	13015.54	13015.42	13015.34	13015.30
19.0	12976.57	12976.39	12976.21	12976.04	12975.89	12975.74	12975.63	12975.54	12975.50	12975.50
19.5	12935.81	12935.71	12935.61	12935.51	12935.43	12935.30	12935.20	12935.11	12935.06	12935.05
20.0	12894.05	12894.03	12894.02	12894.01	12894.00	12893.90	12893.81	12893.73	12893.67	12893.65
20.5	12851.20	12851.20	12851.22	12851.24	12851.27	12851.21	12851.16	12851.12	12851.11	12851.12
21.0	12807.39	12807.38	12807.38	12807.40	12807.43	12807.40	12807.39	12807.39	12807.42	12807.47
21.5	12762.83	12762.76	12762.69	12762.64	12762.59	12762.55	12762.53	12762.53	12762.56	12762.62
22.0	12717.21	12717.06	12716.91	12716.77	12716.66	12716.61	12716.59	12716.60	12716.65	12716.72
22.5	12670.11	12669.89	12669.69	12669.51	12669.38	12669.42	12669.51	12669.63	12669.79	12669.96
23.0	12622.04	12621.78	12621.54	12621.35	12621.22	12621.34	12621.51	12621.72	12621.95	12622.19
23.5	12573.59	12573.37	12573.17	12572.99	12572.85	12572.88	12572.96	12573.07	12573.20	12573.33
24.0	12524.03	12523.88	12523.72	12523.57	12523.43	12523.40	12523.38	12523.38	12523.39	12523.41
24.5	12472.61	12472.50	12472.39	12472.29	12472.20	12472.24	12472.30	12472.38	12472.45	12472.53
25.0	12420.03	12419.92	12419.82	12419.75	12419.71	12419.83	12419.99	12420.15	12420.32	12420.47
25.5	12366.83	12366.66	12366.50	12366.36	12366.26	12366.37	12366.51	12366.67	12366.83	12366.97
26.0	12312.62	12312.40	12312.18	12311.98	12311.81	12311.87	12311.97	12312.09	12312.21	12312.33
26.5	12257.08	12256.92	12256.76	12256.60	12256.47	12256.50	12256.55	12256.61	12256.68	12256.75
27.0	12200.50	12200.39	12200.28	12200.18	12200.10	12200.09	12200.11	12200.13	12200.16	12200.19
27.5	12143.17	12143.00	12142.83	12142.68	12142.54	12142.56	12142.59	12142.65	12142.71	12142.77
28.0	12084.72	12084.50	12084.27	12084.05	12083.86	12083.90	12083.97	12084.07	12084.17	12084.27
28.5	12024.83	12024.62	12024.40	12024.20	12024.04	12024.08	12024.16	12024.26	12024.36	12024.46
29.0	11963.81	11963.62	11963.43	11963.26	11963.12	11963.17	11963.25	11963.35	11963.44	11963.52
29.5	11901.97	11901.75	11901.53	11901.33	11901.17	11901.21	11901.29	11901.38	11901.48	11901.57
30.0	11839.08	11838.82	11838.58	11838.35	11838.17	11838.22	11838.30	11838.41	11838.52	11838.62
30.5	11774.92	11774.70	11774.49	11774.30	11774.16	11774.26	11774.40	11774.55	11774.70	11774.82
31.0	11709.74	11709.55	11709.36	11709.20	11709.08	11709.22	11709.40	11709.58	11709.75	11709.88
31.5	11643.83	11643.57	11643.32	11643.08	11642.89	11642.97	11643.09	11643.23	11643.37	11643.49
32.0	11576.82	11576.50	11576.18	11575.88	11575.62	11575.62	11575.66	11575.73	11575.83	11575.93
32.5	11508.36	11508.07	11507.78	11507.51	11507.27	11507.24	11507.25	11507.29	11507.36	11507.44
33.0	11438.70	11438.46	11438.23	11438.02	11437.83	11437.78	11437.77	11437.79	11437.82	11437.88
33.5	11367.89	11367.72	11367.55	11367.40	11367.26	11367.19	11367.14	11367.12	11367.11	11367.13
34.0	11296.11	11295.98	11295.85	11295.73	11295.61	11295.54	11295.47	11295.43	11295.40	11295.40
34.5	11223.61	11223.42	11223.22	11223.04	11222.88	11222.84	11222.84	11222.85	11222.88	11222.93
35.0	11150.25	11149.99	11149.72	11149.46	11149.24	11149.24	11149.28	11149.34	11149.42	11149.51
35.5	11076.08	11075.84	11075.58	11075.32	11075.08	11075.04	11075.02	11075.02	11075.03	11075.05
36.0	11000.77	11000.55	11000.30	11000.04	10999.79	10999.68	10999.60	10999.53	10999.47	10999.42
36.5	10923.93	10923.64	10923.31	10922.97	10922.65	10922.53	10922.44	10922.38	10922.34	10922.33
37.0	10845.86	10845.49	10845.09	10844.68	10844.30	10844.19	10844.12	10844.09	10844.09	10844.12
37.5	10766.75	10766.40	10766.01	10765.63	10765.28	10765.18	10765.12	10765.10	10765.11	10765.15
38.0	10686.52	10686.21	10685.87	10685.54	10685.23	10685.14	10685.08	10685.06	10685.06	10685.07
38.5	10605.07	10604.82	10604.54	10604.26	10603.99	10603.87	10603.77	10603.69	10603.62	10603.56
39.0	10522.62	10522.38	10522.11	10521.83	10521.55	10521.40	10521.27	10521.14	10521.03	10520.92
39.5	10439.49	10439.07	10438.62	10438.17	10437.74	10437.60	10437.50	10437.44	10437.41	10437.40
40.0	10355.29	10354.69	10354.06	10353.44	10352.87	10352.73	10352.67	10352.67	10352.72	10352.81
40.5	10269.66	10269.09	10268.47	10267.86	10267.29	10267.10	10266.99	10266.94	10266.94	10266.97
41.0	10182.79	10182.30	10181.76	10181.21	10180.68	10180.46	10180.31	10180.19	10180.12	10180.07
41.5	10094.67	10094.23	10093.75	10093.26	10092.80	10092.60	10092.46	10092.36	10092.30	10092.26
42.0	10005.53	10005.13	10004.69	10004.25	10003.84	10003.68	10003.58	10003.51	10003.49	10003.49
42.5	9915.82	9915.38	9914.91	9914.44	9914.00	9913.88	9913.81	9913.80	9913.82	9913.87

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43.0	9824.98	9824.51	9824.01	9823.49	9823.01	9822.92	9822.90	9822.92	9822.97	9823.05
43.5	9732.41	9732.00	9731.54	9731.07	9730.62	9730.54	9730.50	9730.50	9730.52	9730.55
44.0	9638.75	9638.36	9637.93	9637.49	9637.07	9636.96	9636.90	9636.87	9636.85	9636.83
44.5	9544.74	9544.22	9543.65	9543.06	9542.52	9542.39	9542.32	9542.30	9542.30	9542.33
45.0	9449.42	9448.83	9448.18	9447.53	9446.91	9446.74	9446.63	9446.59	9446.59	9446.62
45.5	9351.71	9351.41	9351.06	9350.68	9350.30	9350.04	9349.80	9349.58	9349.40	9349.25
46.0	9252.75	9252.74	9252.69	9252.61	9252.47	9252.16	9251.81	9251.46	9251.11	9250.80
46.5	9153.51	9153.45	9153.37	9153.25	9153.12	9152.87	9152.61	9152.35	9152.11	9151.89
47.0	9053.38	9053.20	9053.01	9052.81	9052.61	9052.47	9052.35	9052.23	9052.14	9052.06
47.5	8952.04	8951.87	8951.69	8951.50	8951.32	8951.26	8951.21	8951.18	8951.15	8951.11
48.0	8849.58	8849.45	8849.30	8849.15	8849.00	8848.97	8848.95	8848.92	8848.89	8848.83
48.5	8746.06	8745.98	8745.88	8745.76	8745.63	8745.47	8745.30	8745.11	8744.92	8744.71
49.0	8641.14	8641.15	8641.13	8641.08	8640.99	8640.73	8640.43	8640.11	8639.77	8639.43
49.5	8534.86	8535.03	8535.14	8535.20	8535.21	8535.08	8534.91	8534.69	8534.45	8534.20
50.0	8426.05	8426.46	8426.80	8427.06	8427.25	8427.30	8427.29	8427.22	8427.10	8426.94
50.5	8313.60	8314.50	8315.31	8316.02	8316.59	8316.74	8316.75	8316.64	8316.44	8316.18
51.0	8197.26	8198.56	8199.77	8200.86	8201.77	8202.00	8202.03	8201.90	8201.64	8201.29
51.5	8076.15	8077.35	8078.49	8079.52	8080.40	8080.78	8080.99	8081.03	8080.93	8080.69
52.0	7950.99	7951.99	7952.95	7953.84	7954.63	7955.15	7955.53	7955.75	7955.82	7955.72
52.5	7821.84	7822.89	7823.92	7824.99	7825.76	7826.33	7826.75	7827.00	7827.08	7826.96
53.0	7689.76	7690.86	7691.95	7692.99	7693.93	7694.54	7694.97	7695.23	7695.29	7695.14
53.5	7555.38	7556.29	7557.25	7558.21	7559.11	7559.76	7560.27	7560.61	7560.75	7560.68
54.0	7420.09	7420.77	7421.57	7422.41	7423.25	7423.92	7424.49	7424.91	7425.14	7425.16
54.5	7285.48	7286.03	7286.71	7287.47	7288.25	7288.88	7289.42	7289.84	7290.10	7290.14
55.0	7151.62	7152.11	7152.75	7153.48	7154.25	7154.84	7155.35	7155.76	7156.02	7156.10
55.5	7019.16	7019.68	7020.38	7021.20	7022.06	7022.73	7023.34	7023.84	7024.21	7024.39
56.0	6887.98	6888.66	6889.52	6890.51	6891.53	6892.21	6892.81	6893.31	6893.67	6893.85
56.5	6758.63	6759.69	6760.92	6762.23	6763.48	6763.86	6764.09	6764.17	6764.10	6763.91
57.0	6629.81	6631.21	6632.77	6634.34	6635.77	6635.82	6635.63	6635.26	6634.75	6634.14
57.5	6500.19	6501.59	6503.13	6504.68	6506.08	6506.01	6505.70	6505.21	6504.60	6503.91
58.0	6370.45	6371.71	6373.10	6374.48	6375.72	6375.58	6375.21	6374.69	6374.06	6373.39
58.5	6240.98	6242.06	6243.25	6244.42	6245.45	6245.12	6244.60	6243.95	6243.24	6242.52
59.0	6111.42	6112.23	6113.11	6113.96	6114.68	6114.19	6113.55	6112.82	6112.06	6111.35
59.5	5981.48	5981.81	5982.20	5982.58	5982.88	5982.34	5981.71	5981.04	5980.38	5979.80
60.0	5851.41	5851.52	5851.05	5850.88	5850.69	5850.16	5849.61	5849.08	5848.60	5848.20
60.5	5722.28	5721.24	5720.75	5719.95	5719.19	5718.72	5718.34	5718.03	5717.80	5717.66
61.0	5591.47	5590.34	5589.08	5587.80	5586.58	5586.21	5585.97	5585.85	5585.82	5585.86
61.5	5457.06	5456.06	5454.87	5453.60	5452.36	5452.04	5451.83	5451.69	5451.59	5451.51
62.0	5318.12	5317.27	5316.19	5315.00	5313.79	5313.50	5313.27	5313.07	5312.87	5312.62
62.5	5171.83	5170.61	5169.19	5167.67	5166.18	5165.93	5165.79	5165.68	5165.57	5165.39
63.0	5021.93	5020.29	5018.47	5016.60	5014.81	5014.49	5014.32	5014.23	5014.14	5013.97
63.5	4870.55	4868.72	4866.74	4864.71	4862.76	4862.06	4861.51	4861.07	4860.66	4860.26
64.0	4719.69	4717.88	4715.91	4713.90	4711.93	4710.79	4709.79	4708.89	4708.07	4707.33
64.5	4572.52	4571.09	4569.49	4567.78	4566.03	4564.62	4563.26	4561.98	4560.78	4559.69
65.0	4427.67	4426.68	4425.48	4424.12	4422.64	4421.06	4419.46	4417.88	4416.38	4415.01
65.5	4284.95	4284.11	4283.07	4281.86	4280.52	4278.90	4277.23	4275.58	4274.01	4272.57
66.0	4143.99	4143.23	4142.28	4141.16	4139.89	4138.31	4136.68	4135.04	4133.47	4132.02
66.5	4005.45	4004.70	4003.74	4002.60	4001.32	3999.86	3998.31	3996.73	3995.14	3993.59
67.0	3866.14	3865.57	3864.78	3863.80	3862.64	3861.27	3859.78	3858.19	3856.53	3854.82
67.5	3722.26	3722.53	3722.59	3722.40	3721.92	3720.54	3718.91	3717.10	3715.16	3713.17
68.0	3576.27	3577.36	3578.23	3578.79	3578.96	3577.50	3575.67	3573.58	3571.35	3569.07
68.5	3429.56	3430.79	3431.78	3432.44	3432.66	3430.97	3428.87	3426.49	3423.97	3421.45
69.0	3281.51	3282.53	3283.32	3283.79	3283.84	3282.03	3279.84	3277.41	3274.86	3272.33
69.5	3130.20	3130.68	3131.03	3131.17	3131.03	3129.60	3127.94	3126.12	3124.26	3122.45
70.0	2980.92	2980.82	2980.67	2980.44	2980.08	2979.07	2977.97	2976.83	2975.72	2974.69
70.5	2839.73	2839.32	2838.85	2838.31	2837.71	2836.70	2835.67	2834.65	2833.70	2832.86

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71.0	2702.39	2701.87	2701.27	2700.58	2699.82	2698.76	2697.69	2696.64	2695.67	2694.83
71.5	2567.34	2567.07	2566.67	2566.14	2565.51	2564.60	2563.64	2562.65	2561.68	2560.77
72.0	2432.55	2432.62	2432.54	2432.30	2431.92	2431.21	2430.38	2429.46	2428.50	2427.51
72.5	2294.30	2294.66	2294.92	2295.03	2294.99	2294.39	2293.64	2292.78	2291.83	2290.84
73.0	2155.96	2156.45	2156.89	2157.24	2157.44	2157.00	2156.40	2155.69	2154.89	2154.05
73.5	2018.81	2018.89	2018.97	2019.04	2019.09	2018.98	2018.83	2018.65	2018.44	2018.21
74.0	1885.48	1885.19	1884.94	1884.75	1884.62	1884.79	1885.02	1885.28	1885.56	1885.83
74.5	1760.61	1760.69	1760.79	1760.90	1761.02	1761.20	1761.36	1761.49	1761.56	1761.57
75.0	1639.49	1640.01	1640.50	1640.93	1641.27	1641.27	1641.15	1640.90	1640.54	1640.07
75.5	1518.35	1518.76	1519.06	1519.23	1519.26	1518.78	1518.18	1517.47	1516.71	1515.93
76.0	1398.92	1399.26	1399.45	1399.45	1399.26	1398.33	1397.26	1396.12	1394.99	1393.92
76.5	1281.15	1282.28	1283.25	1283.97	1284.39	1283.38	1282.09	1280.62	1279.07	1277.54
77.0	1166.50	1168.16	1169.69	1170.98	1171.90	1171.08	1169.88	1168.42	1166.81	1165.14
77.5	1056.68	1057.33	1057.88	1058.31	1058.59	1058.32	1057.90	1057.34	1056.69	1055.97
78.0	950.86	950.38	949.86	949.37	948.95	949.27	949.68	950.11	950.53	950.87
78.5	848.12	847.78	847.46	847.20	847.06	847.65	848.33	849.06	849.78	850.43
79.0	750.32	750.35	750.46	750.64	750.93	751.61	752.37	753.16	753.94	754.68
79.5	659.20	659.15	659.19	659.34	659.60	660.29	661.09	661.94	662.82	663.68
80.0	574.18	573.97	573.85	573.84	573.97	574.56	575.29	576.12	577.02	577.96
80.5	494.92	494.71	494.56	494.50	494.54	494.82	495.23	495.79	496.49	497.35
81.0	422.39	422.07	421.79	421.59	421.49	421.63	421.92	422.40	423.06	423.95
81.5	358.27	357.27	356.37	355.63	355.16	355.94	356.99	358.25	359.64	361.10
82.0	300.14	298.66	297.32	296.25	295.57	297.04	298.86	300.88	302.95	304.90
82.5	244.93	244.07	243.39	242.97	242.88	244.45	246.30	248.27	250.23	252.05
83.0	196.18	196.13	196.26	196.57	197.08	198.41	199.87	201.37	202.83	204.16
83.5	158.25	158.48	158.74	159.04	159.38	159.89	160.40	160.91	161.39	161.81
84.0	125.61	125.91	126.13	126.27	126.32	126.11	125.83	125.52	125.21	124.92
84.5	92.12	92.35	92.56	92.75	92.93	92.95	92.97	93.00	93.05	93.14
85.0	64.06	64.16	64.35	64.61	64.95	65.41	65.93	66.51	67.14	67.81
85.5	46.97	47.02	47.18	47.43	47.77	48.27	48.85	49.49	50.19	50.93
86.0	36.96	36.99	37.10	37.29	37.56	37.96	38.43	38.95	39.52	40.12
86.5	33.57	33.57	33.60	33.66	33.75	33.91	34.10	34.30	34.52	34.74
87.0	32.09	32.10	32.08	32.04	31.98	31.91	31.83	31.73	31.61	31.47
87.5	26.41	26.51	26.59	26.64	26.65	26.56	26.44	26.30	26.14	25.98
88.0	20.30	20.47	20.64	20.79	20.91	20.88	20.81	20.74	20.66	20.60
88.5	15.33	15.42	15.53	15.64	15.75	15.80	15.85	15.91	15.98	16.06
89.0	11.90	11.89	11.91	11.95	12.02	12.14	12.28	12.45	12.63	12.84
89.5	11.05	11.02	11.02	11.03	11.06	11.16	11.27	11.41	11.56	11.73
90.0	12.43	12.43	12.43	12.43	12.43	12.43	12.44	12.44	12.45	12.45

**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	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13733.65	13733.67	13733.70	13733.73	13733.76	13733.79	13733.81	13733.80	13733.78	13733.76
1.0	13731.55	13731.58	13731.61	13731.65	13731.70	13731.75	13731.79	13731.79	13731.79	13731.79
1.5	13728.17	13728.17	13728.18	13728.21	13728.25	13728.30	13728.36	13728.42	13728.48	13728.56
2.0	13723.70	13723.68	13723.68	13723.70	13723.73	13723.79	13723.86	13723.97	13724.09	13724.23
2.5	13718.31	13718.33	13718.38	13718.44	13718.51	13718.60	13718.69	13718.77	13718.86	13718.96
3.0	13712.00	13712.07	13712.15	13712.24	13712.35	13712.46	13712.57	13712.62	13712.67	13712.73
3.5	13704.88	13704.90	13704.94	13704.99	13705.06	13705.15	13705.24	13705.34	13705.45	13705.57
4.0	13696.84	13696.81	13696.80	13696.81	13696.84	13696.89	13696.97	13697.11	13697.28	13697.47
4.5	13687.77	13687.75	13687.74	13687.76	13687.80	13687.87	13687.96	13688.08	13688.23	13688.41
5.0	13677.81	13677.80	13677.81	13677.85	13677.92	13678.00	13678.11	13678.19	13678.30	13678.43
5.5	13667.07	13667.06	13667.09	13667.14	13667.21	13667.30	13667.40	13667.43	13667.48	13667.56
6.0	13655.51	13655.51	13655.54	13655.59	13655.65	13655.72	13655.80	13655.78	13655.78	13655.79

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6.5	13643.29	13643.26	13643.24	13643.24	13643.24	13643.25	13643.27	13643.21	13643.17	13643.16
7.0	13630.00	13629.96	13629.93	13629.89	13629.86	13629.83	13629.81	13629.73	13629.67	13629.64
7.5	13615.21	13615.24	13615.29	13615.34	13615.40	13615.45	13615.49	13615.41	13615.33	13615.27
8.0	13599.23	13599.34	13599.48	13599.63	13599.78	13599.93	13600.05	13599.98	13599.90	13599.83
8.5	13582.30	13582.41	13582.55	13582.71	13582.88	13583.04	13583.19	13583.14	13583.09	13583.04
9.0	13564.28	13564.35	13564.47	13564.60	13564.75	13564.90	13565.04	13565.02	13565.00	13564.99
9.5	13545.05	13545.09	13545.16	13545.25	13545.34	13545.45	13545.56	13545.57	13545.58	13545.62
10.0	13524.77	13524.78	13524.80	13524.83	13524.88	13524.93	13525.00	13525.02	13525.05	13525.12
10.5	13503.62	13503.60	13503.59	13503.60	13503.62	13503.65	13503.69	13503.67	13503.68	13503.71
11.0	13481.36	13481.33	13481.32	13481.32	13481.33	13481.36	13481.39	13481.34	13481.30	13481.31
11.5	13457.77	13457.77	13457.78	13457.81	13457.85	13457.91	13457.97	13457.93	13457.92	13457.94
12.0	13433.08	13433.10	13433.14	13433.19	13433.26	13433.34	13433.42	13433.42	13433.43	13433.47
12.5	13407.52	13407.50	13407.50	13407.50	13407.53	13407.56	13407.62	13407.62	13407.65	13407.72
13.0	13380.89	13380.85	13380.82	13380.80	13380.79	13380.80	13380.82	13380.82	13380.85	13380.92
13.5	13353.02	13353.07	13353.12	13353.19	13353.26	13353.33	13353.40	13353.37	13353.35	13353.35
14.0	13324.06	13324.20	13324.34	13324.50	13324.65	13324.79	13324.91	13324.86	13324.79	13324.72
14.5	13294.13	13294.25	13294.39	13294.54	13294.69	13294.83	13294.94	13294.88	13294.80	13294.74
15.0	13263.12	13263.22	13263.34	13263.47	13263.60	13263.73	13263.84	13263.78	13263.71	13263.65
15.5	13230.90	13231.04	13231.21	13231.39	13231.57	13231.74	13231.89	13231.83	13231.75	13231.68
16.0	13197.66	13197.84	13198.04	13198.26	13198.49	13198.70	13198.88	13198.83	13198.75	13198.68
16.5	13163.62	13163.79	13163.97	13164.15	13164.33	13164.51	13164.66	13164.64	13164.62	13164.59
17.0	13128.47	13128.62	13128.76	13128.90	13129.04	13129.17	13129.29	13129.32	13129.34	13129.37
17.5	13091.88	13092.00	13092.15	13092.30	13092.45	13092.61	13092.75	13092.80	13092.85	13092.90
18.0	13054.11	13054.24	13054.40	13054.58	13054.78	13054.99	13055.19	13055.25	13055.30	13055.36
18.5	13015.30	13015.48	13015.71	13015.95	13016.22	13016.49	13016.74	13016.81	13016.88	13016.94
19.0	12975.55	12975.79	12976.07	12976.38	12976.70	12977.01	12977.30	12977.38	12977.43	12977.49
19.5	12935.09	12935.33	12935.62	12935.92	12936.24	12936.55	12936.83	12936.85	12936.86	12936.86
20.0	12893.68	12893.91	12894.18	12894.48	12894.77	12895.06	12895.31	12895.30	12895.26	12895.22
20.5	12851.17	12851.40	12851.67	12851.95	12852.24	12852.51	12852.76	12852.79	12852.80	12852.80
21.0	12807.56	12807.79	12808.05	12808.32	12808.60	12808.86	12809.10	12809.18	12809.23	12809.27
21.5	12762.72	12762.96	12763.22	12763.50	12763.78	12764.04	12764.27	12764.29	12764.29	12764.27
22.0	12716.83	12717.06	12717.32	12717.58	12717.83	12718.07	12718.27	12718.24	12718.18	12718.11
22.5	12670.15	12670.31	12670.47	12670.63	12670.78	12670.92	12671.03	12671.02	12671.01	12671.00
23.0	12622.43	12622.51	12622.57	12622.62	12622.66	12622.70	12622.73	12622.76	12622.81	12622.87
23.5	12573.46	12573.48	12573.50	12573.51	12573.52	12573.54	12573.56	12573.61	12573.67	12573.76
24.0	12523.44	12523.42	12523.40	12523.39	12523.39	12523.40	12523.42	12523.45	12523.50	12523.59
24.5	12472.59	12472.56	12472.52	12472.47	12472.42	12472.37	12472.33	12472.28	12472.25	12472.25
25.0	12420.60	12420.56	12420.50	12420.40	12420.30	12420.19	12420.09	12419.99	12419.91	12419.86
25.5	12367.09	12367.01	12366.89	12366.75	12366.62	12366.49	12366.38	12366.39	12366.44	12366.52
26.0	12312.42	12312.29	12312.14	12311.99	12311.84	12311.72	12311.64	12311.75	12311.91	12312.11
26.5	12256.80	12256.71	12256.62	12256.52	12256.42	12256.35	12256.30	12256.35	12256.43	12256.55
27.0	12200.22	12200.18	12200.14	12200.10	12200.06	12200.02	12199.99	12199.92	12199.88	12199.87
27.5	12142.82	12142.79	12142.74	12142.68	12142.61	12142.54	12142.46	12142.30	12142.15	12142.04
28.0	12084.35	12084.30	12084.22	12084.12	12084.01	12083.88	12083.75	12083.52	12083.30	12083.13
28.5	12024.53	12024.44	12024.33	12024.19	12024.03	12023.87	12023.71	12023.49	12023.30	12023.15
29.0	11963.58	11963.46	11963.31	11963.14	11962.95	11962.77	11962.60	11962.43	11962.29	11962.20
29.5	11901.64	11901.52	11901.38	11901.22	11901.05	11900.89	11900.74	11900.63	11900.56	11900.53
30.0	11838.70	11838.58	11838.43	11838.26	11838.09	11837.92	11837.78	11837.72	11837.70	11837.71
30.5	11774.89	11774.66	11774.40	11774.10	11773.80	11773.51	11773.26	11773.17	11773.14	11773.17
31.0	11709.95	11709.66	11709.31	11708.92	11708.53	11708.16	11707.82	11707.68	11707.61	11707.61
31.5	11643.57	11643.40	11643.19	11642.95	11642.69	11642.44	11642.20	11642.02	11641.88	11641.79
32.0	11576.03	11576.01	11575.98	11575.93	11575.85	11575.76	11575.65	11575.41	11575.16	11574.94
32.5	11507.52	11507.59	11507.64	11507.68	11507.68	11507.65	11507.57	11507.19	11506.79	11506.41
33.0	11437.94	11438.06	11438.16	11438.24	11438.29	11438.29	11438.22	11437.74	11437.23	11436.73
33.5	11367.16	11367.30	11367.43	11367.55	11367.64	11367.69	11367.66	11367.21	11366.72	11366.25
34.0	11295.41	11295.53	11295.67	11295.79	11295.88	11295.94	11295.95	11295.56	11295.15	11294.75

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34.5	11222.98	11223.04	11223.09	11223.12	11223.14	11223.13	11223.08	11222.76	11222.42	11222.11
35.0	11149.59	11149.57	11149.54	11149.49	11149.42	11149.33	11149.22	11148.94	11148.66	11148.41
35.5	11075.06	11075.03	11074.98	11074.91	11074.83	11074.72	11074.60	11074.29	11073.99	11073.71
36.0	10999.37	10999.34	10999.31	10999.26	10999.20	10999.12	10999.01	10998.66	10998.30	10997.97
36.5	10922.32	10922.36	10922.39	10922.41	10922.42	10922.39	10922.32	10921.95	10921.56	10921.19
37.0	10844.17	10844.26	10844.35	10844.43	10844.48	10844.50	10844.46	10844.09	10843.68	10843.29
37.5	10765.20	10765.26	10765.33	10765.38	10765.40	10765.39	10765.34	10764.96	10764.57	10764.18
38.0	10685.09	10685.10	10685.11	10685.09	10685.06	10685.00	10684.91	10684.54	10684.17	10683.82
38.5	10603.50	10603.41	10603.32	10603.22	10603.11	10602.99	10602.85	10602.52	10602.20	10601.92
39.0	10520.81	10520.66	10520.51	10520.36	10520.21	10520.06	10519.90	10519.60	10519.32	10519.10
39.5	10437.40	10437.35	10437.31	10437.25	10437.19	10437.12	10437.04	10436.75	10436.48	10436.25
40.0	10352.92	10352.99	10353.06	10353.12	10353.16	10353.17	10353.16	10352.86	10352.55	10352.27
40.5	10267.03	10267.08	10267.14	10267.19	10267.23	10267.23	10267.19	10266.80	10266.40	10266.04
41.0	10180.05	10180.09	10180.13	10180.15	10180.16	10180.13	10180.05	10179.54	10179.02	10178.54
41.5	10092.26	10092.35	10092.44	10092.51	10092.55	10092.54	10092.46	10091.82	10091.15	10090.52
42.0	10003.52	10003.66	10003.80	10003.92	10003.99	10003.99	10003.90	10003.17	10002.39	10001.63
42.5	9913.94	9914.07	9914.20	9914.29	9914.33	9914.30	9914.18	9913.44	9912.66	9911.90
43.0	9823.13	9823.22	9823.28	9823.31	9823.29	9823.21	9823.05	9822.38	9821.67	9820.99
43.5	9730.58	9730.53	9730.47	9730.38	9730.25	9730.10	9729.89	9729.39	9728.87	9728.39
44.0	9636.80	9636.66	9636.50	9636.32	9636.12	9635.91	9635.70	9635.33	9634.99	9634.70
44.5	9542.35	9542.27	9542.17	9542.05	9541.92	9541.76	9541.58	9541.21	9540.85	9540.52
45.0	9446.67	9446.69	9446.70	9446.69	9446.66	9446.59	9446.48	9446.07	9445.64	9445.22
45.5	9349.13	9349.20	9349.29	9349.38	9349.45	9349.49	9349.47	9349.04	9348.57	9348.10
46.0	9250.54	9250.63	9250.76	9250.91	9251.06	9251.17	9251.22	9250.81	9250.35	9249.88
46.5	9151.71	9151.78	9151.89	9152.01	9152.12	9152.21	9152.25	9151.96	9151.62	9151.28
47.0	9051.99	9052.01	9052.04	9052.07	9052.09	9052.10	9052.09	9051.91	9051.71	9051.52
47.5	8951.07	8950.96	8950.83	8950.70	8950.56	8950.42	8950.28	8950.14	8950.00	8949.87
48.0	8848.75	8848.52	8848.27	8848.00	8847.73	8847.47	8847.23	8847.09	8846.97	8846.89
48.5	8744.49	8744.24	8743.99	8743.75	8743.52	8743.31	8743.12	8743.05	8743.00	8742.97
49.0	8639.10	8638.87	8638.66	8638.47	8638.31	8638.17	8638.04	8637.98	8637.92	8637.87
49.5	8533.94	8533.75	8533.57	8533.38	8533.20	8533.01	8532.81	8532.66	8532.48	8532.27
50.0	8426.74	8426.62	8426.47	8426.28	8426.04	8425.74	8425.38	8424.94	8424.41	8423.81
50.5	8315.87	8315.86	8315.79	8315.63	8315.35	8314.92	8314.30	8313.04	8311.59	8310.00
51.0	8200.86	8200.89	8200.82	8200.62	8200.23	8199.60	8198.67	8196.63	8194.33	8191.84
51.5	8080.33	8080.14	8079.82	8079.32	8078.60	8077.65	8076.41	8074.27	8071.88	8069.31
52.0	7955.44	7954.99	7954.35	7953.50	7952.44	7951.15	7949.62	7947.57	7945.31	7942.88
52.5	7826.63	7826.01	7825.18	7824.12	7822.84	7821.33	7819.59	7817.38	7814.98	7812.43
53.0	7694.76	7693.99	7692.99	7691.76	7690.31	7688.65	7686.79	7684.55	7682.16	7679.65
53.5	7560.35	7559.37	7558.14	7556.70	7555.08	7553.32	7551.45	7549.68	7547.83	7545.93
54.0	7424.90	7423.76	7422.38	7420.80	7419.10	7417.34	7415.57	7414.36	7413.17	7411.99
54.5	7289.95	7288.84	7287.50	7286.01	7284.44	7282.84	7281.28	7280.44	7279.68	7278.95
55.0	7155.96	7154.95	7153.74	7152.41	7151.02	7149.64	7148.34	7147.80	7147.37	7147.00
55.5	7024.36	7023.43	7022.30	7021.07	7019.79	7018.55	7017.41	7017.16	7017.04	7016.99
56.0	6893.84	6893.01	6892.02	6890.93	6889.82	6888.76	6887.80	6887.76	6887.84	6887.99
56.5	6763.58	6762.95	6762.23	6761.48	6760.73	6760.03	6759.41	6759.38	6759.43	6759.53
57.0	6633.49	6633.06	6632.63	6632.23	6631.85	6631.50	6631.20	6631.12	6631.08	6631.05
57.5	6503.21	6502.89	6502.61	6502.36	6502.15	6501.98	6501.83	6501.78	6501.74	6501.71
58.0	6372.73	6372.54	6372.40	6372.31	6372.26	6372.22	6372.19	6372.11	6372.02	6371.93
58.5	6241.88	6241.97	6242.16	6242.41	6242.67	6242.91	6243.08	6242.74	6242.33	6241.88
59.0	6110.76	6111.11	6111.58	6112.11	6112.64	6113.11	6113.44	6112.88	6112.19	6111.43
59.5	5979.34	5979.70	5980.19	5980.73	5981.28	5981.77	5982.15	5981.74	5981.19	5980.58
60.0	5847.91	5848.22	5848.62	5849.07	5849.51	5849.90	5850.20	5849.91	5849.50	5849.00
60.5	5717.61	5717.92	5718.27	5718.62	5718.93	5719.13	5719.20	5718.68	5717.99	5717.16
61.0	5585.95	5586.19	5586.41	5586.56	5586.60	5586.50	5586.19	5585.25	5584.10	5582.74
61.5	5451.42	5451.35	5451.20	5450.92	5450.49	5449.85	5448.98	5447.34	5445.46	5443.38
62.0	5312.30	5311.85	5311.26	5310.51	5309.56	5308.39	5306.97	5304.74	5302.29	5299.67

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CANDELA TABULATION - (Cont.)

62.5	5165.07	5164.22	5163.19	5161.97	5160.57	5158.98	5157.21	5154.98	5152.62	5150.18
63.0	5013.67	5012.56	5011.26	5009.79	5008.17	5006.43	5004.59	5002.61	5000.60	4998.59
63.5	4859.79	4858.83	4857.77	4856.61	4855.37	4854.06	4852.68	4851.07	4849.45	4847.85
64.0	4706.64	4705.95	4705.28	4704.60	4703.91	4703.18	4702.40	4701.21	4699.99	4698.79
64.5	4558.73	4558.24	4557.85	4557.53	4557.23	4556.94	4556.59	4555.68	4554.73	4553.79
65.0	4413.82	4413.45	4413.26	4413.19	4413.19	4413.21	4413.19	4412.53	4411.82	4411.11
65.5	4271.33	4271.04	4270.95	4271.01	4271.16	4271.36	4271.54	4271.12	4270.66	4270.20
66.0	4130.75	4130.29	4130.04	4129.95	4129.98	4130.09	4130.26	4130.12	4130.00	4129.92
66.5	3992.12	3990.86	3989.74	3988.78	3988.01	3987.44	3987.09	3987.55	3988.18	3988.93
67.0	3853.10	3851.13	3849.25	3847.52	3846.02	3844.82	3843.98	3844.81	3845.94	3847.23
67.5	3711.19	3709.45	3707.84	3706.37	3705.09	3704.04	3703.26	3703.58	3704.11	3704.74
68.0	3566.87	3565.59	3564.48	3563.53	3562.72	3562.04	3561.46	3561.07	3560.74	3560.46
68.5	3419.04	3417.89	3416.95	3416.20	3415.58	3415.07	3414.62	3413.79	3413.00	3412.31
69.0	3269.96	3268.97	3268.22	3267.66	3267.24	3266.89	3266.58	3265.46	3264.39	3263.48
69.5	3120.80	3120.28	3119.96	3119.78	3119.67	3119.59	3119.48	3118.29	3117.13	3116.11
70.0	2973.79	2973.75	2973.85	2974.03	2974.23	2974.40	2974.47	2973.37	2972.23	2971.18
70.5	2832.19	2832.41	2832.78	2833.22	2833.66	2834.05	2834.30	2833.40	2832.39	2831.36
71.0	2694.15	2694.41	2694.81	2695.28	2695.76	2696.16	2696.42	2695.68	2694.78	2693.78
71.5	2559.95	2559.78	2559.69	2559.64	2559.58	2559.47	2559.25	2558.30	2557.24	2556.14
72.0	2426.53	2425.89	2425.27	2424.66	2424.05	2423.40	2422.72	2421.61	2420.48	2419.38
72.5	2289.83	2289.06	2288.32	2287.60	2286.92	2286.26	2285.64	2284.91	2284.23	2283.64
73.0	2153.20	2152.50	2151.84	2151.22	2150.66	2150.16	2149.75	2149.42	2149.20	2149.09
73.5	2017.96	2017.69	2017.42	2017.14	2016.86	2016.60	2016.35	2015.93	2015.58	2015.32
74.0	1886.07	1886.10	1886.08	1886.02	1885.92	1885.77	1885.60	1885.09	1884.60	1884.20
74.5	1761.48	1760.97	1760.38	1759.77	1759.17	1758.62	1758.15	1758.03	1758.03	1758.16
75.0	1639.48	1638.45	1637.38	1636.31	1635.33	1634.48	1633.82	1634.05	1634.49	1635.10
75.5	1515.17	1514.64	1514.17	1513.77	1513.44	1513.21	1513.07	1513.12	1513.27	1513.51
76.0	1393.00	1392.99	1393.15	1393.44	1393.80	1394.20	1394.59	1394.43	1394.25	1394.08
76.5	1276.14	1275.76	1275.58	1275.57	1275.69	1275.91	1276.19	1276.23	1276.31	1276.46
77.0	1163.53	1162.68	1162.00	1161.49	1161.15	1160.97	1160.97	1161.25	1161.68	1162.26
77.5	1055.21	1054.36	1053.55	1052.80	1052.18	1051.70	1051.43	1051.72	1052.24	1052.97
78.0	951.10	950.45	949.70	948.91	948.17	947.55	947.10	947.35	947.85	948.60
78.5	850.96	850.64	850.20	849.71	849.23	848.82	848.55	848.81	849.26	849.93
79.0	755.33	755.41	755.40	755.35	755.28	755.23	755.24	755.43	755.73	756.18
79.5	664.50	664.97	665.36	665.69	665.96	666.19	666.40	666.26	666.17	666.19
80.0	578.92	579.83	580.70	581.51	582.23	582.84	583.32	582.85	582.33	581.87
80.5	498.37	500.12	501.94	503.75	505.45	506.95	508.17	507.51	506.63	505.71
81.0	425.06	427.23	429.53	431.84	434.03	436.00	437.61	436.92	435.95	434.88
81.5	362.54	363.54	364.46	365.28	366.00	366.60	367.09	366.67	366.24	365.93
82.0	306.59	306.27	305.64	304.81	303.90	303.04	302.32	302.30	302.60	303.25
82.5	253.57	253.07	252.27	251.31	250.33	249.45	248.81	249.35	250.26	251.54
83.0	205.28	204.96	204.44	203.84	203.26	202.82	202.62	203.53	204.77	206.34
83.5	162.16	161.97	161.73	161.50	161.33	161.27	161.37	161.90	162.66	163.69
84.0	124.68	124.70	124.79	124.96	125.21	125.54	125.93	126.01	126.23	126.66
84.5	93.29	93.63	94.04	94.51	95.05	95.65	96.29	96.54	96.92	97.49
85.0	68.50	69.12	69.76	70.43	71.15	71.90	72.71	73.22	73.85	74.68
85.5	51.70	52.39	53.09	53.81	54.56	55.33	56.13	56.68	57.31	58.08
86.0	40.74	41.33	41.92	42.53	43.15	43.78	44.42	44.85	45.32	45.88
86.5	34.97	35.14	35.32	35.49	35.66	35.83	36.00	36.01	36.06	36.17
87.0	31.32	31.13	30.92	30.71	30.49	30.27	30.05	29.72	29.41	29.16
87.5	25.82	25.71	25.61	25.52	25.44	25.36	25.28	25.15	25.02	24.93
88.0	20.56	20.65	20.77	20.92	21.09	21.27	21.47	21.62	21.78	21.96
88.5	16.18	16.37	16.59	16.84	17.10	17.37	17.66	17.89	18.13	18.39
89.0	13.06	13.30	13.55	13.81	14.08	14.37	14.65	14.86	15.09	15.35
89.5	11.90	12.07	12.25	12.43	12.61	12.81	13.00	13.13	13.27	13.43
90.0	12.46	12.47	12.48	12.49	12.50	12.51	12.52	12.48	12.46	12.44

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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	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13733.74	13733.72	13733.71	13733.74	13733.77	13733.80	13733.81	13733.82	13733.81	13733.78
1.0	13731.79	13731.79	13731.80	13731.89	13731.98	13732.05	13732.11	13732.12	13732.09	13732.05
1.5	13728.63	13728.72	13728.81	13729.02	13729.21	13729.37	13729.47	13729.50	13729.43	13729.37
2.0	13724.38	13724.54	13724.70	13725.02	13725.32	13725.56	13725.72	13725.77	13725.69	13725.62
2.5	13719.07	13719.20	13719.34	13719.71	13720.05	13720.35	13720.56	13720.67	13720.63	13720.58
3.0	13712.81	13712.90	13713.02	13713.42	13713.80	13714.15	13714.41	13714.55	13714.56	13714.54
3.5	13705.72	13705.88	13706.08	13706.55	13707.00	13707.39	13707.67	13707.82	13707.79	13707.84
4.0	13697.69	13697.93	13698.19	13698.74	13699.26	13699.69	13700.00	13700.13	13700.05	13700.17
4.5	13688.62	13688.85	13689.10	13689.70	13690.27	13690.74	13691.07	13691.20	13691.09	13691.26
5.0	13678.59	13678.78	13679.00	13679.64	13680.25	13680.77	13681.13	13681.27	13681.14	13681.38
5.5	13667.66	13667.80	13667.98	13668.66	13669.32	13669.89	13670.29	13670.48	13670.39	13670.77
6.0	13655.84	13655.94	13656.08	13656.80	13657.50	13658.12	13658.57	13658.80	13658.74	13659.24
6.5	13643.19	13643.27	13643.41	13644.18	13644.93	13645.58	13646.06	13646.29	13646.20	13646.67
7.0	13629.65	13629.72	13629.86	13630.67	13631.46	13632.14	13632.63	13632.85	13632.70	13633.12
7.5	13615.25	13615.29	13615.39	13616.23	13617.05	13617.76	13618.25	13618.45	13618.26	13618.71
8.0	13599.78	13599.79	13599.86	13600.74	13601.58	13602.31	13602.80	13602.96	13602.72	13603.22
8.5	13583.01	13583.04	13583.12	13584.03	13584.90	13585.63	13586.09	13586.20	13585.85	13586.44
9.0	13565.01	13565.07	13565.18	13566.14	13567.05	13567.78	13568.23	13568.29	13567.85	13568.52
9.5	13545.69	13545.81	13545.99	13547.02	13548.00	13548.79	13549.27	13549.33	13548.87	13549.58
10.0	13525.24	13525.40	13525.62	13526.74	13527.79	13528.64	13529.16	13529.25	13528.79	13529.54
10.5	13503.80	13503.94	13504.16	13505.31	13506.40	13507.29	13507.85	13507.96	13507.49	13508.37
11.0	13481.36	13481.47	13481.66	13482.84	13483.96	13484.87	13485.45	13485.56	13485.08	13486.08
11.5	13458.00	13458.12	13458.31	13459.51	13460.64	13461.55	13462.11	13462.18	13461.63	13462.64
12.0	13433.56	13433.69	13433.89	13435.12	13436.26	13437.17	13437.70	13437.72	13437.08	13438.08
12.5	13407.83	13407.99	13408.22	13409.50	13410.69	13411.62	13412.15	13412.13	13411.43	13412.41
13.0	13381.03	13381.20	13381.43	13382.75	13383.97	13384.92	13385.44	13385.39	13384.61	13385.60
13.5	13353.39	13353.48	13353.63	13354.92	13356.10	13357.01	13357.47	13357.34	13356.46	13357.52
14.0	13324.69	13324.69	13324.75	13326.01	13327.15	13328.02	13328.43	13328.23	13327.27	13328.40
14.5	13294.70	13294.70	13294.76	13296.03	13297.19	13298.07	13298.50	13298.31	13297.35	13298.47
15.0	13263.63	13263.64	13263.73	13265.04	13266.23	13267.15	13267.60	13267.43	13266.48	13267.57
15.5	13231.64	13231.64	13231.72	13233.09	13234.34	13235.30	13235.78	13235.61	13234.62	13235.68
16.0	13198.63	13198.63	13198.70	13200.11	13201.40	13202.38	13202.86	13202.65	13201.59	13202.65
16.5	13164.59	13164.62	13164.70	13166.08	13167.31	13168.21	13168.57	13168.24	13167.03	13168.22
17.0	13129.42	13129.49	13129.59	13130.93	13132.11	13132.92	13133.19	13132.73	13131.37	13132.72
17.5	13092.97	13093.05	13093.17	13094.57	13095.78	13096.62	13096.89	13096.42	13095.01	13096.39
18.0	13055.43	13055.53	13055.66	13057.13	13058.41	13059.31	13059.62	13059.17	13057.75	13059.11
18.5	13017.01	13017.11	13017.25	13018.77	13020.10	13021.05	13021.40	13020.96	13019.55	13020.84
19.0	12977.55	12977.64	12977.77	12979.34	12980.73	12981.73	12982.12	12981.71	12980.29	12981.51
19.5	12936.87	12936.92	12937.03	12938.68	12940.16	12941.23	12941.68	12941.29	12939.87	12941.08
20.0	12895.20	12895.21	12895.29	12897.00	12898.52	12899.64	12900.10	12899.71	12898.23	12899.48
20.5	12852.81	12852.85	12852.93	12854.58	12856.03	12857.05	12857.39	12856.84	12855.19	12856.53
21.0	12809.31	12809.37	12809.45	12811.04	12812.41	12813.32	12813.54	12812.86	12811.05	12812.50
21.5	12764.26	12764.27	12764.31	12765.91	12767.29	12768.24	12768.50	12767.87	12766.13	12767.71
22.0	12718.06	12718.03	12718.05	12719.69	12721.13	12722.13	12722.46	12721.91	12720.24	12721.93
22.5	12671.01	12671.05	12671.14	12672.84	12674.33	12675.37	12675.70	12675.10	12673.36	12675.03
23.0	12622.96	12623.09	12623.25	12625.04	12626.58	12627.64	12627.97	12627.31	12625.45	12627.07
23.5	12573.88	12574.04	12574.24	12576.10	12577.71	12578.82	12579.15	12578.48	12576.55	12578.13
24.0	12523.70	12523.86	12524.06	12525.98	12527.65	12528.79	12529.15	12528.46	12526.48	12528.08
24.5	12472.29	12472.38	12472.52	12474.45	12476.13	12477.29	12477.64	12476.94	12474.91	12476.69
25.0	12419.85	12419.89	12419.99	12421.93	12423.62	12424.77	12425.11	12424.38	12422.31	12424.25
25.5	12366.65	12366.81	12367.02	12368.99	12370.68	12371.82	12372.12	12371.34	12369.20	12371.05
26.0	12312.36	12312.65	12312.96	12314.97	12316.68	12317.82	12318.11	12317.29	12315.09	12316.84

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CANDELA TABULATION - (Cont.)

26.5	12256.72	12256.93	12257.18	12259.26	12261.05	12262.26	12262.61	12261.81	12259.61	12261.42
27.0	12199.90	12199.99	12200.14	12202.29	12204.18	12205.48	12205.91	12205.17	12202.98	12204.89
27.5	12141.98	12141.99	12142.08	12144.29	12146.25	12147.64	12148.15	12147.48	12145.35	12147.28
28.0	12083.01	12082.98	12083.04	12085.30	12087.33	12088.79	12089.36	12088.74	12086.63	12088.58
28.5	12023.07	12023.06	12023.16	12025.48	12027.56	12029.05	12029.64	12029.01	12026.87	12028.88
29.0	11962.18	11962.23	11962.38	11964.74	11966.83	11968.32	11968.87	11968.17	11965.92	11968.01
29.5	11900.55	11900.63	11900.78	11903.12	11905.15	11906.54	11906.94	11906.05	11903.54	11905.67
30.0	11837.77	11837.88	11838.03	11840.35	11842.34	11843.65	11843.93	11842.88	11840.17	11842.31
30.5	11773.26	11773.42	11773.63	11776.04	11778.12	11779.52	11779.90	11778.93	11776.30	11778.43
31.0	11707.69	11707.85	11708.10	11710.60	11712.79	11714.31	11714.81	11713.96	11711.43	11713.57
31.5	11641.76	11641.81	11641.94	11644.46	11646.67	11648.19	11648.67	11647.76	11645.13	11647.36
32.0	11574.77	11574.67	11574.67	11577.20	11579.42	11580.95	11581.41	11580.45	11577.71	11580.03
32.5	11506.09	11505.84	11505.72	11508.32	11510.65	11512.29	11512.88	11512.03	11509.40	11511.77
33.0	11436.28	11435.94	11435.74	11438.42	11440.84	11442.61	11443.31	11442.59	11440.05	11442.43
33.5	11365.82	11365.49	11365.31	11368.04	11370.51	11372.30	11373.00	11372.22	11369.60	11371.85
34.0	11294.40	11294.14	11294.00	11296.78	11299.27	11301.04	11301.69	11300.83	11298.07	11300.21
34.5	11221.85	11221.68	11221.63	11224.42	11226.89	11228.64	11229.25	11228.32	11225.49	11227.67
35.0	11148.23	11148.12	11148.12	11150.91	11153.37	11155.09	11155.65	11154.68	11151.79	11154.03
35.5	11073.49	11073.35	11073.33	11076.10	11078.55	11080.25	11080.79	11079.79	11076.85	11079.03
36.0	10997.69	10997.49	10997.41	11000.18	11002.63	11004.33	11004.86	11003.84	11000.87	11002.98
36.5	10920.87	10920.64	10920.52	10923.34	10925.83	10927.57	10928.12	10927.08	10924.07	10926.17
37.0	10842.95	10842.69	10842.55	10845.42	10847.96	10849.74	10850.31	10849.27	10846.22	10848.38
37.5	10763.85	10763.60	10763.47	10766.34	10768.87	10770.64	10771.19	10770.13	10767.06	10769.47
38.0	10683.52	10683.31	10683.22	10686.11	10688.67	10690.45	10691.02	10689.96	10686.89	10689.51
38.5	10601.71	10601.60	10601.62	10604.67	10607.38	10609.30	10610.00	10609.06	10606.06	10608.52
39.0	10518.96	10518.94	10519.06	10522.25	10525.11	10527.17	10527.99	10527.13	10524.19	10526.47
39.5	10436.09	10436.04	10436.12	10439.33	10442.18	10444.21	10444.97	10444.03	10440.95	10443.38
40.0	10352.05	10351.93	10351.94	10355.14	10357.98	10359.99	10360.70	10359.67	10356.47	10359.08
40.5	10265.74	10265.56	10265.53	10268.82	10271.78	10273.91	10274.75	10273.84	10270.73	10273.32
41.0	10178.14	10177.88	10177.81	10181.22	10184.31	10186.61	10187.61	10186.86	10183.92	10186.46
41.5	10089.98	10089.60	10089.44	10092.94	10096.16	10098.60	10099.76	10099.18	10096.38	10099.00
42.0	10000.98	10000.49	10000.25	10003.79	10007.08	10009.59	10010.84	10010.33	10007.61	10010.35
42.5	9911.22	9910.71	9910.42	9913.87	9917.05	9919.44	9920.54	9919.88	9916.99	9919.91
43.0	9820.38	9819.91	9819.63	9822.98	9826.01	9828.23	9829.13	9828.25	9825.11	9828.22
43.5	9727.99	9727.71	9727.59	9730.95	9733.96	9736.09	9736.87	9735.81	9732.45	9735.67
44.0	9634.48	9634.37	9634.38	9637.77	9640.76	9642.83	9643.50	9642.28	9638.73	9642.05
44.5	9540.26	9540.08	9540.03	9543.37	9546.30	9548.29	9548.85	9547.51	9543.79	9547.31
45.0	9444.85	9444.56	9444.39	9447.69	9450.56	9452.49	9452.97	9451.52	9447.67	9451.41
45.5	9347.68	9347.33	9347.10	9350.42	9353.31	9355.25	9355.72	9354.23	9350.30	9354.27
46.0	9249.45	9249.08	9248.83	9252.17	9255.07	9257.00	9257.43	9255.87	9251.83	9255.96
46.5	9150.96	9150.68	9150.48	9153.75	9156.54	9158.30	9158.54	9156.74	9152.43	9156.56
47.0	9051.33	9051.16	9051.04	9054.23	9056.89	9058.49	9058.51	9056.47	9051.89	9056.01
47.5	8949.76	8949.67	8949.60	8952.78	8955.40	8956.94	8956.89	8954.75	8950.05	8954.37
48.0	8846.82	8846.78	8846.75	8849.92	8852.52	8854.02	8853.91	8851.68	8846.88	8851.40
48.5	8742.96	8742.96	8742.95	8746.13	8748.71	8750.17	8749.97	8747.63	8742.66	8747.23
49.0	8637.82	8637.75	8637.66	8640.76	8643.23	8644.53	8644.14	8641.55	8636.27	8640.80
49.5	8532.02	8531.70	8531.31	8534.08	8536.16	8537.00	8536.06	8532.82	8526.80	8531.29
50.0	8423.11	8422.32	8421.43	8423.82	8425.48	8425.85	8424.37	8420.54	8413.83	8418.22
50.5	8308.32	8306.58	8304.82	8306.92	8308.39	8308.65	8307.12	8303.26	8296.51	8300.73
51.0	8189.25	8186.64	8184.11	8185.93	8187.23	8187.39	8185.82	8181.92	8175.16	8179.18
51.5	8066.62	8063.88	8061.16	8062.66	8063.56	8063.27	8061.16	8056.68	8049.25	8053.08
52.0	7940.32	7937.67	7934.98	7936.26	7936.86	7936.17	7933.58	7928.52	7920.45	7924.11
52.5	7809.77	7807.04	7804.30	7805.66	7806.35	7805.73	7803.18	7798.11	7789.94	7793.54
53.0	7677.05	7674.42	7671.80	7673.39	7674.32	7673.92	7671.57	7666.66	7658.59	7662.06
53.5	7543.97	7541.96	7539.92	7541.78	7542.90	7542.65	7540.41	7535.57	7527.56	7530.63
54.0	7410.77	7409.51	7408.16	7410.34	7411.73	7411.70	7409.64	7404.96	7397.11	7399.72

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54.5	7278.22	7277.46	7276.62	7279.23	7281.05	7281.45	7279.82	7275.58	7268.17	7270.42
55.0	7146.65	7146.28	7145.85	7148.88	7151.12	7151.94	7150.73	7146.91	7139.92	7141.88
55.5	7016.97	7016.93	7016.81	7020.10	7022.57	7023.58	7022.50	7018.76	7011.78	7013.60
56.0	6888.17	6888.32	6888.37	6891.85	6894.48	6895.61	6894.62	6890.90	6883.88	6885.61
56.5	6759.64	6759.73	6759.75	6763.37	6766.16	6767.47	6766.68	6763.17	6756.37	6757.95
57.0	6631.02	6630.98	6630.89	6634.60	6637.53	6639.01	6638.41	6635.12	6628.53	6630.10
57.5	6501.67	6501.60	6501.50	6505.29	6508.29	6509.84	6509.29	6506.01	6499.41	6501.31
58.0	6371.81	6371.68	6371.52	6375.38	6378.46	6380.09	6379.62	6376.41	6369.86	6372.27
58.5	6241.42	6240.97	6240.57	6244.54	6247.83	6249.76	6249.67	6246.92	6240.89	6243.95
59.0	6110.65	6109.92	6109.30	6113.32	6116.75	6118.90	6119.09	6116.69	6111.06	6114.81
59.5	5979.93	5979.30	5978.74	5982.76	5986.13	5988.15	5988.16	5985.50	5979.55	5983.91
60.0	5848.45	5847.86	5847.28	5851.08	5854.14	5855.77	5855.29	5852.07	5845.47	5850.41
60.5	5716.21	5715.16	5714.03	5717.09	5719.35	5720.12	5718.75	5714.61	5707.07	5712.71
61.0	5581.22	5579.54	5577.75	5580.05	5581.52	5581.49	5579.31	5574.36	5566.04	5572.25
61.5	5441.15	5438.82	5436.42	5438.35	5439.52	5439.26	5436.92	5431.86	5423.49	5429.85
62.0	5296.96	5294.20	5291.47	5293.36	5294.57	5294.44	5292.28	5287.46	5279.36	5285.72
62.5	5147.71	5145.27	5142.91	5145.27	5146.98	5147.35	5145.67	5141.30	5133.59	5139.97
63.0	4996.62	4994.74	4992.98	4995.99	4998.38	4999.39	4998.33	4994.52	4987.31	4993.66
63.5	4846.32	4844.90	4843.63	4847.22	4850.19	4851.81	4851.35	4848.12	4841.47	4847.74
64.0	4697.66	4696.64	4695.79	4699.83	4703.28	4705.37	4705.39	4702.67	4696.52	4702.63
64.5	4552.90	4552.11	4551.46	4555.65	4559.23	4561.47	4561.66	4559.13	4553.22	4559.10
65.0	4410.44	4409.84	4409.37	4413.60	4417.20	4419.47	4419.70	4417.24	4411.44	4416.99
65.5	4269.79	4269.46	4269.24	4273.63	4277.40	4279.83	4280.23	4277.95	4272.35	4277.47
66.0	4129.88	4129.90	4129.99	4134.46	4138.23	4140.60	4140.91	4138.50	4132.73	4137.27
66.5	3989.71	3990.45	3991.09	3995.24	3998.46	4000.06	3999.38	3995.79	3988.68	3992.39
67.0	3848.55	3849.76	3850.71	3854.49	3857.14	3857.98	3856.39	3851.73	3843.43	3846.29
67.5	3705.37	3705.91	3706.25	3709.65	3712.03	3712.74	3711.15	3706.66	3698.68	3700.84
68.0	3560.18	3559.89	3559.56	3563.01	3565.65	3566.82	3565.86	3562.17	3555.14	3556.84
68.5	3411.74	3411.33	3411.10	3415.91	3420.09	3422.86	3423.49	3421.24	3415.43	3417.14
69.0	3262.79	3262.42	3262.45	3268.67	3274.42	3278.81	3280.99	3280.14	3275.46	3277.39
69.5	3115.33	3114.91	3114.96	3121.61	3127.86	3132.80	3135.56	3135.30	3131.19	3133.24
70.0	2970.34	2969.82	2969.75	2976.15	2982.16	2986.89	2989.49	2989.14	2985.04	2987.40
70.5	2830.41	2829.63	2829.11	2834.23	2838.84	2842.13	2843.33	2841.71	2836.54	2839.81
71.0	2692.74	2691.73	2690.79	2694.63	2697.82	2699.66	2699.46	2696.56	2690.31	2694.34
71.5	2555.02	2553.96	2553.00	2556.68	2559.74	2561.49	2561.25	2558.37	2552.21	2555.92
72.0	2418.35	2417.44	2416.69	2420.63	2424.00	2426.10	2426.25	2423.80	2418.10	2421.34
72.5	2283.15	2282.80	2282.61	2286.90	2290.60	2293.03	2293.51	2291.40	2286.06	2289.61
73.0	2149.11	2149.27	2149.59	2154.25	2158.32	2161.11	2161.96	2160.22	2155.28	2158.95
73.5	2015.20	2015.25	2015.52	2020.40	2024.77	2027.93	2029.22	2027.99	2023.62	2026.04
74.0	1883.93	1883.85	1884.02	1888.94	1893.41	1896.72	1898.22	1897.25	1893.19	1894.51
74.5	1758.42	1758.82	1759.35	1763.96	1767.98	1770.76	1771.66	1770.07	1765.40	1767.31
75.0	1635.83	1636.62	1637.45	1641.70	1645.25	1647.47	1647.75	1645.53	1640.24	1643.19
75.5	1513.83	1514.21	1514.66	1518.84	1522.39	1524.69	1525.14	1523.15	1518.18	1521.89
76.0	1393.96	1393.93	1394.03	1398.21	1401.86	1404.38	1405.16	1403.62	1399.21	1403.41
76.5	1276.68	1277.00	1277.41	1281.48	1285.02	1287.47	1288.28	1286.90	1282.83	1286.97
77.0	1162.96	1163.77	1164.68	1168.75	1172.31	1174.81	1175.74	1174.61	1170.92	1174.64
77.5	1053.89	1054.99	1056.26	1060.86	1065.00	1068.12	1069.70	1069.22	1066.19	1069.06
78.0	949.59	950.83	952.30	957.36	962.02	965.71	967.89	968.03	965.60	967.69
78.5	850.81	851.91	853.23	858.02	862.43	865.94	868.01	868.15	865.86	867.86
79.0	756.80	757.61	758.64	763.05	767.14	770.40	772.34	772.48	770.38	772.69
79.5	666.38	666.82	667.55	672.03	676.32	679.91	682.32	683.08	681.73	685.01
80.0	581.60	581.62	582.05	586.61	591.14	595.13	598.10	599.58	599.11	602.99
80.5	504.91	504.39	504.32	508.61	513.00	517.02	520.22	522.17	522.43	525.14
81.0	433.91	433.22	433.01	437.10	441.38	445.43	448.83	451.17	452.07	453.20
81.5	365.88	366.19	366.99	371.48	376.14	380.58	384.42	387.29	388.81	388.85
82.0	304.29	305.78	307.74	312.60	317.58	322.30	326.40	329.54	331.39	330.70

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CANDELA TABULATION - (Cont.)

82.5	253.20	255.21	257.59	262.27	266.93	271.23	274.83	277.43	278.71	277.98
83.0	208.20	210.34	212.73	217.06	221.29	225.08	228.16	230.22	230.99	230.56
83.5	164.99	166.59	168.51	172.52	176.55	180.31	183.53	185.94	187.28	187.26
84.0	127.35	128.38	129.81	133.56	137.49	141.34	144.87	147.84	150.00	150.44
84.5	98.33	99.51	101.10	104.89	108.92	112.95	116.78	120.19	122.98	123.86
85.0	75.76	77.16	78.95	82.68	86.64	90.64	94.49	98.01	101.02	102.13
85.5	59.04	60.24	61.73	64.87	68.15	71.42	74.50	77.23	79.45	80.19
86.0	46.56	47.40	48.43	50.78	53.19	55.52	57.62	59.34	60.55	60.83
86.5	36.37	36.70	37.17	38.68	40.24	41.73	43.05	44.08	44.71	44.92
87.0	28.98	28.90	28.94	29.73	30.57	31.39	32.10	32.63	32.90	33.13
87.5	24.88	24.88	24.94	25.42	25.92	26.41	26.82	27.13	27.30	27.45
88.0	22.16	22.37	22.61	23.02	23.43	23.83	24.18	24.47	24.67	24.77
88.5	18.68	19.00	19.36	19.98	20.61	21.23	21.80	22.29	22.67	22.81
89.0	15.65	16.01	16.42	17.24	18.08	18.91	19.68	20.35	20.89	21.07
89.5	13.64	13.90	14.21	14.90	15.61	16.31	16.96	17.53	17.97	18.14
90.0	12.46	12.50	12.59	12.91	13.26	13.61	13.92	14.19	14.38	14.48

**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	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13733.74	13733.70	13733.65	13733.61	13733.58	13733.63	13733.69	13733.77	13733.84	13733.92
1.0	13731.97	13731.87	13731.76	13731.66	13731.58	13731.67	13731.79	13731.92	13732.06	13732.20
1.5	13729.24	13729.07	13728.88	13728.69	13728.53	13728.65	13728.80	13728.98	13729.17	13729.36
2.0	13725.45	13725.23	13724.96	13724.70	13724.47	13724.61	13724.79	13725.01	13725.23	13725.45
2.5	13720.42	13720.18	13719.92	13719.65	13719.41	13719.58	13719.79	13720.04	13720.29	13720.54
3.0	13714.40	13714.19	13713.94	13713.67	13713.44	13713.62	13713.84	13714.10	13714.36	13714.62
3.5	13707.74	13707.54	13707.28	13706.99	13706.72	13706.85	13707.02	13707.22	13707.43	13707.64
4.0	13700.11	13699.92	13699.65	13699.34	13699.03	13699.12	13699.24	13699.40	13699.57	13699.74
4.5	13691.22	13691.04	13690.75	13690.41	13690.08	13690.21	13690.40	13690.61	13690.83	13691.05
5.0	13681.38	13681.21	13680.92	13680.58	13680.24	13680.43	13680.67	13680.94	13681.21	13681.48
5.5	13670.89	13670.80	13670.58	13670.27	13669.95	13670.13	13670.34	13670.57	13670.79	13671.01
6.0	13659.46	13659.44	13659.26	13658.98	13658.67	13658.83	13659.01	13659.20	13659.37	13659.52
6.5	13646.84	13646.78	13646.55	13646.22	13645.87	13646.05	13646.26	13646.48	13646.69	13646.88
7.0	13633.23	13633.09	13632.79	13632.39	13631.98	13632.17	13632.41	13632.67	13632.92	13633.16
7.5	13618.80	13618.62	13618.26	13617.79	13617.29	13617.45	13617.65	13617.89	13618.12	13618.35
8.0	13603.33	13603.14	13602.73	13602.21	13601.64	13601.77	13601.94	13602.13	13602.34	13602.54
8.5	13586.61	13586.46	13586.09	13585.58	13585.03	13585.17	13585.35	13585.56	13585.77	13585.97
9.0	13568.76	13568.66	13568.32	13567.82	13567.28	13567.44	13567.63	13567.84	13568.04	13568.23
9.5	13549.82	13549.70	13549.31	13548.75	13548.14	13548.24	13548.37	13548.53	13548.68	13548.84
10.0	13529.79	13529.65	13529.22	13528.61	13527.93	13527.97	13528.05	13528.16	13528.27	13528.39
10.5	13508.72	13508.64	13508.26	13507.67	13507.01	13507.08	13507.19	13507.30	13507.42	13507.54
11.0	13486.51	13486.50	13486.17	13485.62	13484.98	13485.10	13485.24	13485.39	13485.53	13485.65
11.5	13463.08	13463.06	13462.72	13462.16	13461.50	13461.64	13461.80	13461.97	13462.12	13462.26
12.0	13438.49	13438.44	13438.05	13437.45	13436.75	13436.90	13437.07	13437.25	13437.42	13437.57
12.5	13412.78	13412.67	13412.21	13411.53	13410.75	13410.88	13411.03	13411.20	13411.38	13411.54
13.0	13385.94	13385.78	13385.26	13384.50	13383.65	13383.77	13383.92	13384.10	13384.28	13384.47
13.5	13357.91	13357.76	13357.24	13356.48	13355.63	13355.81	13356.04	13356.29	13356.55	13356.80
14.0	13328.83	13328.72	13328.21	13327.46	13326.62	13326.86	13327.15	13327.46	13327.77	13328.07
14.5	13298.90	13298.79	13298.28	13297.52	13296.67	13296.85	13297.08	13297.33	13297.58	13297.82
15.0	13267.98	13267.84	13267.31	13266.53	13265.64	13265.75	13265.90	13266.08	13266.26	13266.45
15.5	13236.02	13235.80	13235.17	13234.30	13233.33	13233.45	13233.61	13233.81	13234.03	13234.25
16.0	13202.95	13202.67	13201.97	13201.02	13199.99	13200.11	13200.30	13200.53	13200.79	13201.04
16.5	13168.64	13168.45	13167.82	13166.90	13165.87	13165.98	13166.13	13166.31	13166.51	13166.71
17.0	13133.26	13133.17	13132.61	13131.74	13130.73	13130.81	13130.93	13131.05	13131.19	13131.33
17.5	13096.96	13096.87	13096.29	13095.41	13094.40	13094.48	13094.60	13094.73	13094.87	13095.01

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18.0	13059.64	13059.50	13058.88	13057.95	13056.89	13056.98	13057.11	13057.26	13057.42	13057.58
18.5	13021.27	13021.03	13020.30	13019.26	13018.10	13018.19	13018.32	13018.49	13018.68	13018.88
19.0	12981.86	12981.51	12980.67	12979.51	12978.25	12978.32	12978.45	12978.64	12978.85	12979.09
19.5	12941.39	12940.99	12940.08	12938.85	12937.52	12937.58	12937.72	12937.92	12938.15	12938.40
20.0	12899.80	12899.39	12898.45	12897.20	12895.83	12895.89	12896.02	12896.21	12896.44	12896.69
20.5	12856.92	12856.58	12855.70	12854.49	12853.15	12853.19	12853.29	12853.44	12853.62	12853.82
21.0	12813.00	12812.75	12811.96	12810.81	12809.52	12809.53	12809.58	12809.68	12809.79	12809.92
21.5	12768.33	12768.18	12767.46	12766.36	12765.10	12765.06	12765.05	12765.06	12765.09	12765.13
22.0	12722.63	12722.54	12721.85	12720.78	12719.51	12719.45	12719.39	12719.36	12719.34	12719.33
22.5	12675.68	12675.52	12674.77	12673.63	12672.31	12672.29	12672.30	12672.34	12672.40	12672.47
23.0	12627.64	12627.39	12626.54	12625.31	12623.91	12623.94	12624.02	12624.14	12624.29	12624.46
23.5	12578.64	12578.32	12577.38	12576.05	12574.56	12574.55	12574.60	12574.70	12574.84	12575.01
24.0	12528.58	12528.22	12527.23	12525.85	12524.29	12524.24	12524.25	12524.32	12524.42	12524.57
24.5	12477.33	12477.09	12476.19	12474.86	12473.35	12473.33	12473.37	12473.44	12473.55	12473.68
25.0	12425.03	12424.90	12424.08	12422.83	12421.37	12421.41	12421.48	12421.58	12421.69	12421.82
25.5	12371.77	12371.59	12370.75	12369.48	12368.02	12368.08	12368.17	12368.29	12368.43	12368.59
26.0	12317.47	12317.22	12316.32	12315.01	12313.52	12313.58	12313.69	12313.84	12314.01	12314.19
26.5	12262.08	12261.82	12260.89	12259.53	12258.00	12258.07	12258.20	12258.37	12258.56	12258.75
27.0	12205.59	12205.33	12204.37	12202.96	12201.36	12201.46	12201.61	12201.79	12202.00	12202.21
27.5	12147.96	12147.66	12146.64	12145.17	12143.51	12143.62	12143.79	12144.01	12144.25	12144.49
28.0	12089.25	12088.92	12087.86	12086.33	12084.62	12084.74	12084.94	12085.18	12085.45	12085.72
28.5	12029.59	12029.28	12028.21	12026.67	12024.93	12025.06	12025.26	12025.51	12025.78	12026.06
29.0	11968.77	11968.48	11967.42	11965.88	11964.14	11964.28	11964.48	11964.74	11965.02	11965.30
29.5	11906.46	11906.18	11905.14	11903.61	11901.88	11902.04	11902.28	11902.56	11902.86	11903.16
30.0	11843.11	11842.85	11841.81	11840.29	11838.56	11838.75	11839.01	11839.32	11839.65	11839.99
30.5	11779.21	11778.93	11777.86	11776.31	11774.57	11774.76	11775.03	11775.36	11775.71	11776.08
31.0	11714.34	11714.03	11712.94	11711.36	11709.58	11709.79	11710.08	11710.44	11710.82	11711.22
31.5	11648.17	11647.88	11646.78	11645.18	11643.38	11643.66	11644.03	11644.46	11644.90	11645.33
32.0	11580.89	11580.61	11579.50	11577.87	11576.04	11576.40	11576.84	11577.33	11577.83	11578.29
32.5	11512.65	11512.34	11511.18	11509.49	11507.59	11507.95	11508.40	11508.89	11509.39	11509.86
33.0	11443.27	11442.91	11441.69	11439.92	11437.95	11438.32	11438.78	11439.29	11439.80	11440.28
33.5	11372.57	11372.10	11370.78	11368.93	11366.91	11367.37	11367.94	11368.57	11369.21	11369.80
34.0	11300.81	11300.24	11298.82	11296.91	11294.84	11295.38	11296.04	11296.78	11297.52	11298.21
34.5	11228.29	11227.72	11226.28	11224.33	11222.22	11222.69	11223.30	11223.98	11224.67	11225.31
35.0	11154.69	11154.12	11152.67	11150.70	11148.54	11148.96	11149.50	11150.11	11150.74	11151.33
35.5	11079.63	11079.02	11077.53	11075.52	11073.35	11073.82	11074.43	11075.12	11075.82	11076.48
36.0	11003.52	11002.84	11001.30	10999.25	10997.07	10997.61	10998.31	10999.10	10999.90	11000.66
36.5	10926.66	10925.91	10924.30	10922.19	10919.94	10920.54	10921.31	10922.18	10923.06	10923.88
37.0	10848.89	10848.13	10846.49	10844.32	10842.02	10842.62	10843.40	10844.26	10845.15	10845.98
37.5	10770.20	10769.61	10768.09	10766.00	10763.71	10764.15	10764.71	10765.35	10766.00	10766.63
38.0	10690.41	10689.97	10688.55	10686.52	10684.25	10684.53	10684.91	10685.35	10685.81	10686.24
38.5	10609.28	10608.69	10607.16	10605.03	10602.71	10603.10	10603.63	10604.22	10604.82	10605.39
39.0	10527.04	10526.29	10524.60	10522.35	10519.93	10520.44	10521.11	10521.86	10522.63	10523.35
39.5	10444.02	10443.27	10441.53	10439.19	10436.65	10437.00	10437.50	10438.08	10438.70	10439.29
40.0	10359.83	10359.11	10357.35	10354.94	10352.28	10352.45	10352.75	10353.15	10353.59	10354.03
40.5	10274.03	10273.27	10271.45	10268.99	10266.29	10266.47	10266.79	10267.21	10267.67	10268.14
41.0	10187.13	10186.33	10184.48	10181.98	10179.27	10179.50	10179.88	10180.36	10180.89	10181.42
41.5	10099.70	10098.91	10097.05	10094.53	10091.78	10092.02	10092.41	10092.89	10093.42	10093.94
42.0	10011.14	10010.41	10008.58	10006.08	10003.33	10003.58	10003.96	10004.43	10004.95	10005.44
42.5	9920.87	9920.30	9918.62	9916.24	9913.59	9913.87	9914.27	9914.74	9915.24	9915.71
43.0	9829.35	9828.94	9827.39	9825.13	9822.58	9822.89	9823.29	9823.75	9824.22	9824.67
43.5	9736.88	9736.50	9734.96	9732.69	9730.11	9730.36	9730.70	9731.10	9731.52	9731.94
44.0	9643.33	9642.99	9641.45	9639.15	9636.53	9636.73	9637.02	9637.38	9637.77	9638.17
44.5	9548.74	9548.51	9547.05	9544.82	9542.24	9542.52	9542.89	9543.30	9543.74	9544.17
45.0	9453.02	9452.93	9451.60	9449.45	9446.94	9447.28	9447.69	9448.12	9448.56	9448.98
45.5	9356.09	9356.19	9355.01	9352.98	9350.53	9350.72	9350.93	9351.14	9351.36	9351.56

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CANDELA TABULATION - (Cont.)

46.0	9257.95	9258.20	9257.14	9255.20	9252.80	9252.84	9252.87	9252.88	9252.89	9252.91
46.5	9158.52	9158.74	9157.65	9155.69	9153.28	9153.42	9153.55	9153.68	9153.81	9153.94
47.0	9057.94	9058.13	9057.00	9055.01	9052.59	9052.84	9053.10	9053.37	9053.64	9053.89
47.5	8956.47	8956.80	8955.79	8953.87	8951.48	8951.65	8951.79	8951.93	8952.05	8952.17
48.0	8853.68	8854.15	8853.24	8851.40	8849.05	8849.14	8849.18	8849.20	8849.19	8849.18
48.5	8749.51	8749.97	8749.04	8747.17	8744.81	8745.02	8745.19	8745.34	8745.47	8745.58
49.0	8643.04	8643.44	8642.45	8640.54	8638.17	8638.57	8638.98	8639.38	8639.75	8640.09
49.5	8533.48	8533.84	8532.84	8530.94	8528.62	8529.28	8529.97	8530.66	8531.33	8531.96
50.0	8420.32	8420.60	8419.56	8417.65	8415.37	8416.29	8417.28	8418.30	8419.31	8420.27
50.5	8302.64	8302.75	8301.56	8299.54	8297.22	8298.37	8299.65	8301.01	8302.40	8303.76
51.0	8180.88	8180.79	8179.41	8177.26	8174.85	8176.15	8177.66	8179.32	8181.04	8182.77
51.5	8054.60	8054.33	8052.81	8050.55	8048.08	8049.41	8051.02	8052.84	8054.81	8056.85
52.0	7925.46	7925.01	7923.32	7920.91	7918.32	7919.55	7921.11	7922.93	7924.97	7927.19
52.5	7794.75	7794.13	7792.20	7789.53	7786.66	7787.52	7788.72	7790.23	7792.02	7794.06
53.0	7663.10	7662.25	7660.08	7657.13	7653.96	7654.45	7655.28	7656.44	7657.92	7659.72
53.5	7531.33	7530.20	7527.80	7524.67	7521.35	7521.72	7522.45	7523.54	7524.97	7526.74
54.0	7400.04	7398.61	7395.97	7392.65	7389.21	7389.51	7390.21	7391.29	7392.72	7394.47
54.5	7270.40	7268.65	7265.71	7262.13	7258.43	7258.60	7259.18	7260.14	7261.45	7263.07
55.0	7141.58	7139.55	7136.35	7132.50	7128.58	7128.64	7129.13	7129.99	7131.19	7132.68
55.5	7013.15	7010.97	7007.62	7003.65	6999.61	6999.69	7000.21	7001.11	7002.32	7003.79
56.0	6885.05	6882.78	6879.33	6875.27	6871.15	6871.28	6871.86	6872.81	6874.07	6875.56
56.5	6757.24	6754.80	6751.20	6747.00	6742.77	6742.89	6743.48	6744.45	6745.74	6747.24
57.0	6629.34	6626.85	6623.17	6618.88	6614.57	6614.67	6615.25	6616.22	6617.49	6618.98
57.5	6500.81	6498.51	6494.96	6490.76	6486.47	6486.59	6487.13	6488.04	6489.22	6490.59
58.0	6372.20	6370.22	6366.92	6362.88	6358.67	6358.78	6359.27	6360.05	6361.07	6362.24
58.5	6244.40	6242.83	6239.82	6235.96	6231.85	6231.92	6232.27	6232.86	6233.60	6234.46
59.0	6115.83	6114.72	6112.06	6108.44	6104.46	6104.46	6104.67	6105.02	6105.47	6105.99
59.5	5985.47	5984.82	5982.54	5979.23	5975.45	5975.37	5975.42	5975.55	5975.76	5976.02
60.0	5852.52	5852.38	5850.53	5847.57	5844.05	5843.90	5843.78	5843.72	5843.70	5843.75
60.5	5715.49	5715.96	5714.66	5712.16	5709.00	5708.76	5708.48	5708.21	5707.98	5707.85
61.0	5575.57	5576.55	5575.72	5573.61	5570.78	5570.51	5570.13	5569.72	5569.37	5569.13
61.5	5433.33	5434.47	5433.79	5431.84	5429.15	5429.01	5428.75	5428.45	5428.19	5428.04
62.0	5289.19	5290.32	5289.64	5287.69	5285.02	5284.96	5284.80	5284.60	5284.43	5284.36
62.5	5143.41	5144.47	5143.68	5141.60	5138.76	5138.50	5138.13	5137.74	5137.39	5137.17
63.0	4997.02	4997.95	4997.00	4994.72	4991.67	4991.17	4990.56	4989.92	4989.35	4988.94
63.5	4850.98	4851.76	4850.64	4848.18	4844.95	4844.35	4843.63	4842.89	4842.19	4841.63
64.0	4705.72	4706.36	4705.11	4702.52	4699.18	4698.59	4697.89	4697.13	4696.40	4695.75
64.5	4562.07	4562.66	4561.44	4558.94	4555.71	4555.31	4554.78	4554.17	4553.52	4552.87
65.0	4419.75	4420.25	4419.01	4416.58	4413.47	4413.33	4413.07	4412.70	4412.24	4411.69
65.5	4279.83	4279.99	4278.47	4275.82	4272.57	4272.57	4272.50	4272.35	4272.11	4271.75
66.0	4139.14	4138.88	4137.05	4134.19	4130.84	4131.15	4131.48	4131.79	4132.00	4132.07
66.5	3993.67	3993.06	3991.10	3988.34	3985.31	3986.59	3988.02	3989.47	3990.80	3991.85
67.0	3846.96	3845.99	3843.89	3841.21	3838.48	3840.66	3843.13	3845.66	3848.03	3850.04
67.5	3700.96	3699.55	3697.16	3694.31	3691.53	3693.91	3696.66	3699.53	3702.28	3704.66
68.0	3556.50	3554.66	3551.86	3548.62	3545.49	3547.55	3550.03	3552.68	3555.28	3557.58
68.5	3416.56	3414.25	3410.79	3406.74	3402.69	3403.60	3404.92	3406.48	3408.09	3409.58
69.0	3276.73	3274.10	3270.10	3265.35	3260.44	3260.21	3260.36	3260.77	3261.34	3261.97
69.5	3132.63	3129.98	3125.90	3121.02	3115.94	3115.49	3115.40	3115.58	3115.93	3116.37
70.0	2987.14	2984.85	2981.14	2976.62	2971.87	2971.54	2971.53	2971.75	2972.12	2972.55
70.5	2840.65	2839.59	2837.16	2833.86	2830.24	2830.17	2830.27	2830.48	2830.76	2831.07
71.0	2696.14	2696.18	2694.89	2692.72	2690.13	2690.30	2690.49	2690.70	2690.91	2691.12
71.5	2557.44	2557.23	2555.72	2553.38	2550.65	2550.73	2550.87	2551.05	2551.25	2551.46
72.0	2422.37	2421.65	2419.66	2416.86	2413.71	2413.58	2413.56	2413.62	2413.73	2413.87
72.5	2290.92	2290.43	2288.60	2285.89	2282.73	2282.25	2281.79	2281.36	2280.96	2280.61
73.0	2160.37	2159.99	2158.23	2155.56	2152.39	2151.69	2150.97	2150.26	2149.57	2148.92
73.5	2026.35	2025.01	2022.50	2019.27	2015.79	2015.53	2015.45	2015.51	2015.66	2015.85

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CANDELA TABULATION - (Cont.)

74.0	1893.84	1891.68	1888.51	1884.81	1881.06	1881.20	1881.69	1882.43	1883.33	1884.28
74.5	1767.19	1765.52	1762.74	1759.31	1755.71	1755.45	1755.43	1755.58	1755.87	1756.23
75.0	1644.02	1643.16	1641.04	1638.08	1634.73	1633.91	1633.15	1632.46	1631.85	1631.33
75.5	1523.36	1523.01	1521.27	1518.57	1515.33	1514.23	1513.08	1511.94	1510.87	1509.91
76.0	1405.31	1405.33	1403.89	1401.42	1398.33	1397.10	1395.76	1394.40	1393.08	1391.89
76.5	1288.98	1289.25	1288.15	1286.07	1283.39	1282.30	1281.08	1279.81	1278.55	1277.40
77.0	1176.41	1176.59	1175.54	1173.59	1171.12	1170.22	1169.22	1168.16	1167.12	1166.14
77.5	1069.93	1069.20	1067.27	1064.54	1061.40	1060.50	1059.62	1058.77	1057.96	1057.21
78.0	967.73	966.14	963.38	959.87	956.06	955.15	954.36	953.68	953.06	952.49
78.5	867.92	866.43	863.84	860.54	856.96	856.18	855.51	854.92	854.38	853.85
79.0	773.14	772.12	770.01	767.17	764.01	763.23	762.49	761.78	761.08	760.38
79.5	686.29	685.95	684.33	681.82	678.78	677.42	675.95	674.44	672.93	671.49
80.0	604.78	604.84	603.53	601.20	598.19	596.35	594.31	592.17	590.05	588.04
80.5	526.04	525.46	523.72	521.17	518.14	516.67	515.11	513.51	511.92	510.38
81.0	452.88	451.41	449.10	446.27	443.23	442.38	441.61	440.88	440.14	439.37
81.5	387.73	385.76	383.20	380.34	377.48	377.15	377.02	376.97	376.92	376.76
82.0	329.07	326.77	324.07	321.23	318.52	318.63	319.00	319.50	319.98	320.30
82.5	276.24	273.78	270.91	267.90	265.07	265.43	266.10	266.90	267.66	268.21
83.0	229.02	226.67	223.83	220.81	217.91	218.27	218.91	219.66	220.35	220.82
83.5	186.24	184.48	182.22	179.71	177.20	177.02	177.00	177.03	177.03	176.88
84.0	150.05	149.00	147.46	145.61	143.61	142.79	141.98	141.16	140.31	139.40
84.5	124.03	123.60	122.68	121.37	119.81	118.59	117.26	115.82	114.30	112.74
85.0	102.63	102.60	102.09	101.18	99.95	98.61	97.06	95.36	93.55	91.68
85.5	80.40	80.15	79.52	78.60	77.47	76.54	75.50	74.37	73.17	71.94
86.0	60.65	60.11	59.29	58.30	57.23	56.80	56.37	55.94	55.49	55.02
86.5	44.78	44.37	43.76	43.01	42.21	41.87	41.55	41.22	40.90	40.57
87.0	33.12	32.93	32.58	32.13	31.62	31.30	30.96	30.62	30.28	29.95
87.5	27.46	27.37	27.18	26.94	26.65	26.47	26.27	26.07	25.87	25.67
88.0	24.79	24.74	24.65	24.53	24.38	24.31	24.23	24.14	24.05	23.94
88.5	22.84	22.80	22.68	22.52	22.33	22.21	22.07	21.92	21.76	21.59
89.0	21.12	21.05	20.90	20.67	20.40	20.20	19.99	19.76	19.51	19.25
89.5	18.18	18.13	18.00	17.80	17.56	17.37	17.17	16.94	16.70	16.46
90.0	14.51	14.49	14.42	14.31	14.16	14.03	13.87	13.71	13.54	13.37

**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	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13733.99	13734.03	13734.06	13734.07	13734.08	13734.07	13734.06	13734.00	13733.94	13733.87
1.0	13732.33	13732.38	13732.40	13732.41	13732.40	13732.37	13732.33	13732.26	13732.18	13732.10
1.5	13729.52	13729.53	13729.51	13729.47	13729.41	13729.35	13729.28	13729.25	13729.22	13729.20
2.0	13725.63	13725.61	13725.54	13725.45	13725.35	13725.24	13725.15	13725.16	13725.19	13725.23
2.5	13720.75	13720.73	13720.67	13720.57	13720.46	13720.34	13720.22	13720.21	13720.21	13720.22
3.0	13714.84	13714.84	13714.80	13714.72	13714.62	13714.50	13714.38	13714.33	13714.27	13714.22
3.5	13707.83	13707.86	13707.86	13707.83	13707.77	13707.70	13707.61	13707.52	13707.42	13707.31
4.0	13699.90	13699.95	13699.98	13699.99	13699.97	13699.94	13699.88	13699.77	13699.65	13699.51
4.5	13691.25	13691.31	13691.33	13691.33	13691.30	13691.25	13691.18	13691.11	13691.03	13690.93
5.0	13681.72	13681.75	13681.74	13681.71	13681.64	13681.56	13681.47	13681.44	13681.41	13681.37
5.5	13671.18	13671.16	13671.10	13671.01	13670.90	13670.79	13670.67	13670.64	13670.63	13670.61
6.0	13659.64	13659.57	13659.46	13659.32	13659.17	13659.02	13658.88	13658.85	13658.85	13658.85
6.5	13647.03	13646.95	13646.83	13646.67	13646.51	13646.34	13646.19	13646.19	13646.21	13646.24
7.0	13633.36	13633.29	13633.18	13633.03	13632.88	13632.71	13632.57	13632.59	13632.63	13632.68
7.5	13618.54	13618.52	13618.46	13618.37	13618.27	13618.16	13618.06	13618.08	13618.10	13618.14
8.0	13602.73	13602.74	13602.72	13602.68	13602.63	13602.57	13602.50	13602.51	13602.52	13602.53
8.5	13586.14	13586.13	13586.08	13586.00	13585.91	13585.82	13585.72	13585.72	13585.72	13585.73
9.0	13568.39	13568.35	13568.27	13568.16	13568.04	13567.92	13567.79	13567.78	13567.79	13567.79

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9.5	13548.97	13548.96	13548.94	13548.88	13548.83	13548.76	13548.70	13548.71	13548.72	13548.73
10.0	13528.50	13528.53	13528.55	13528.56	13528.56	13528.55	13528.54	13528.55	13528.55	13528.54
10.5	13507.64	13507.67	13507.67	13507.66	13507.63	13507.58	13507.52	13507.44	13507.34	13507.23
11.0	13485.76	13485.76	13485.74	13485.68	13485.60	13485.49	13485.36	13485.18	13484.99	13484.78
11.5	13462.37	13462.35	13462.28	13462.18	13462.06	13461.91	13461.74	13461.56	13461.37	13461.18
12.0	13437.69	13437.65	13437.56	13437.44	13437.29	13437.13	13436.95	13436.81	13436.67	13436.52
12.5	13411.68	13411.65	13411.59	13411.51	13411.41	13411.29	13411.17	13411.11	13411.05	13410.99
13.0	13384.63	13384.64	13384.62	13384.58	13384.52	13384.45	13384.37	13384.38	13384.38	13384.36
13.5	13357.02	13357.04	13357.03	13356.97	13356.89	13356.78	13356.66	13356.58	13356.49	13356.38
14.0	13328.33	13328.37	13328.35	13328.28	13328.18	13328.04	13327.87	13327.69	13327.49	13327.28
14.5	13298.04	13298.09	13298.11	13298.08	13298.02	13297.92	13297.79	13297.62	13297.42	13297.20
15.0	13266.61	13266.68	13266.72	13266.74	13266.72	13266.67	13266.59	13266.46	13266.30	13266.11
15.5	13234.45	13234.51	13234.54	13234.54	13234.51	13234.46	13234.38	13234.29	13234.17	13234.04
16.0	13201.27	13201.32	13201.33	13201.32	13201.27	13201.21	13201.12	13201.06	13200.98	13200.88
16.5	13166.89	13166.95	13166.99	13166.99	13166.97	13166.93	13166.86	13166.76	13166.65	13166.51
17.0	13131.46	13131.54	13131.58	13131.61	13131.61	13131.58	13131.52	13131.40	13131.25	13131.07
17.5	13095.13	13095.17	13095.18	13095.17	13095.14	13095.08	13095.01	13094.93	13094.82	13094.70
18.0	13057.72	13057.74	13057.72	13057.68	13057.63	13057.56	13057.47	13057.42	13057.36	13057.29
18.5	13019.06	13019.12	13019.16	13019.17	13019.16	13019.13	13019.07	13018.98	13018.87	13018.74
19.0	12979.32	12979.44	12979.54	12979.61	12979.65	12979.66	12979.63	12979.50	12979.33	12979.14
19.5	12938.65	12938.79	12938.91	12938.99	12939.05	12939.07	12939.05	12938.93	12938.78	12938.59
20.0	12896.93	12897.07	12897.18	12897.26	12897.31	12897.33	12897.32	12897.22	12897.09	12896.92
20.5	12854.02	12854.14	12854.23	12854.31	12854.36	12854.37	12854.35	12854.23	12854.08	12853.89
21.0	12810.06	12810.15	12810.24	12810.30	12810.34	12810.35	12810.33	12810.19	12810.02	12809.82
21.5	12765.18	12765.24	12765.30	12765.35	12765.39	12765.41	12765.40	12765.31	12765.19	12765.05
22.0	12719.33	12719.38	12719.43	12719.48	12719.52	12719.55	12719.55	12719.49	12719.40	12719.29
22.5	12672.55	12672.66	12672.76	12672.85	12672.91	12672.95	12672.95	12672.79	12672.60	12672.37
23.0	12624.63	12624.81	12624.97	12625.11	12625.21	12625.26	12625.25	12625.00	12624.70	12624.36
23.5	12575.19	12575.40	12575.60	12575.79	12575.93	12576.04	12576.08	12575.85	12575.57	12575.25
24.0	12524.74	12524.96	12525.17	12525.37	12525.55	12525.68	12525.76	12525.57	12525.34	12525.06
24.5	12473.82	12474.00	12474.17	12474.33	12474.45	12474.54	12474.56	12474.34	12474.07	12473.77
25.0	12421.95	12422.08	12422.19	12422.28	12422.34	12422.35	12422.32	12422.07	12421.77	12421.46
25.5	12368.73	12368.83	12368.91	12368.97	12369.00	12368.99	12368.95	12368.77	12368.55	12368.32
26.0	12314.37	12314.44	12314.50	12314.52	12314.53	12314.51	12314.46	12314.36	12314.23	12314.09
26.5	12258.93	12258.98	12259.00	12258.99	12258.95	12258.90	12258.83	12258.72	12258.60	12258.46
27.0	12202.39	12202.42	12202.41	12202.37	12202.31	12202.23	12202.13	12202.01	12201.88	12201.74
27.5	12144.71	12144.74	12144.74	12144.71	12144.65	12144.57	12144.48	12144.38	12144.26	12144.15
28.0	12085.97	12086.03	12086.04	12086.02	12085.98	12085.92	12085.84	12085.75	12085.65	12085.56
28.5	12026.32	12026.39	12026.42	12026.41	12026.38	12026.33	12026.25	12026.14	12026.03	12025.91
29.0	11965.56	11965.64	11965.69	11965.70	11965.68	11965.63	11965.56	11965.44	11965.31	11965.17
29.5	11903.45	11903.54	11903.58	11903.60	11903.58	11903.54	11903.49	11903.43	11903.35	11903.27
30.0	11840.30	11840.40	11840.46	11840.49	11840.48	11840.46	11840.42	11840.39	11840.35	11840.30
30.5	11776.43	11776.60	11776.73	11776.82	11776.88	11776.89	11776.86	11776.73	11776.57	11776.40
31.0	11711.60	11711.80	11711.97	11712.08	11712.15	11712.17	11712.13	11711.90	11711.64	11711.36
31.5	11645.72	11645.81	11645.84	11645.80	11645.73	11645.61	11645.47	11645.31	11645.13	11644.96
32.0	11578.69	11578.63	11578.49	11578.29	11578.05	11577.79	11577.53	11577.46	11577.41	11577.38
32.5	11510.25	11510.14	11509.94	11509.68	11509.39	11509.08	11508.79	11508.74	11508.73	11508.74
33.0	11440.68	11440.54	11440.30	11439.99	11439.65	11439.31	11438.99	11438.95	11438.96	11439.00
33.5	11370.28	11370.06	11369.71	11369.29	11368.82	11368.36	11367.93	11367.92	11367.97	11368.07
34.0	11298.76	11298.48	11298.05	11297.53	11296.97	11296.41	11295.91	11295.92	11296.02	11296.17
34.5	11225.83	11225.57	11225.18	11224.71	11224.21	11223.71	11223.26	11223.32	11223.45	11223.64
35.0	11151.83	11151.60	11151.27	11150.86	11150.43	11150.00	11149.63	11149.73	11149.89	11150.11
35.5	11077.04	11076.80	11076.44	11076.01	11075.54	11075.08	11074.69	11074.81	11075.01	11075.26
36.0	11001.29	11001.03	11000.63	11000.15	10999.62	10999.12	10998.68	10998.81	10999.03	10999.32
36.5	10924.58	10924.30	10923.87	10923.34	10922.77	10922.22	10921.74	10921.88	10922.12	10922.43
37.0	10846.68	10846.40	10845.98	10845.45	10844.88	10844.33	10843.85	10843.98	10844.22	10844.53

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37.5	10767.15	10766.96	10766.66	10766.28	10765.88	10765.48	10765.14	10765.24	10765.41	10765.63
38.0	10686.61	10686.48	10686.27	10686.01	10685.73	10685.46	10685.23	10685.31	10685.43	10685.60
38.5	10605.86	10605.61	10605.24	10604.81	10604.36	10603.93	10603.56	10603.71	10603.94	10604.22
39.0	10523.94	10523.58	10523.07	10522.49	10521.88	10521.30	10520.81	10521.01	10521.32	10521.71
39.5	10439.80	10439.58	10439.26	10438.88	10438.46	10438.07	10437.72	10437.82	10437.99	10438.22
40.0	10354.43	10354.38	10354.27	10354.11	10353.93	10353.74	10353.57	10353.57	10353.60	10353.66
40.5	10268.57	10268.51	10268.39	10268.23	10268.04	10267.86	10267.70	10267.73	10267.81	10267.92
41.0	10181.89	10181.78	10181.60	10181.37	10181.12	10180.88	10180.68	10180.81	10181.00	10181.22
41.5	10094.40	10094.25	10094.01	10093.73	10093.45	10093.18	10092.98	10093.23	10093.55	10093.91
42.0	10005.88	10005.69	10005.42	10005.11	10004.80	10004.52	10004.31	10004.64	10005.03	10005.47
42.5	9916.12	9915.94	9915.68	9915.37	9915.05	9914.75	9914.51	9914.71	9914.98	9915.28
43.0	9825.05	9824.93	9824.72	9824.46	9824.18	9823.90	9823.66	9823.73	9823.84	9823.99
43.5	9732.32	9732.33	9732.29	9732.20	9732.10	9731.99	9731.90	9731.99	9732.11	9732.24
44.0	9638.55	9638.67	9638.76	9638.82	9638.87	9638.91	9638.96	9639.10	9639.25	9639.41
44.5	9544.56	9544.64	9544.67	9544.66	9544.63	9544.60	9544.58	9544.69	9544.83	9544.98
45.0	9449.35	9449.36	9449.31	9449.22	9449.11	9448.99	9448.89	9448.97	9449.09	9449.22
45.5	9351.74	9351.80	9351.83	9351.85	9351.86	9351.87	9351.89	9351.98	9352.09	9352.19
46.0	9252.94	9253.06	9253.19	9253.33	9253.47	9253.61	9253.75	9253.86	9253.96	9254.04
46.5	9154.07	9154.19	9154.32	9154.43	9154.55	9154.65	9154.75	9154.87	9154.98	9155.06
47.0	9054.12	9054.25	9054.35	9054.42	9054.48	9054.53	9054.57	9054.68	9054.77	9054.85
47.5	8952.27	8952.40	8952.53	8952.64	8952.74	8952.83	8952.90	8952.93	8952.95	8952.95
48.0	8849.17	8849.31	8849.45	8849.60	8849.74	8849.86	8849.97	8849.94	8849.88	8849.82
48.5	8745.67	8745.79	8745.90	8745.99	8746.07	8746.14	8746.20	8746.19	8746.18	8746.16
49.0	8640.38	8640.51	8640.60	8640.64	8640.67	8640.67	8640.66	8640.70	8640.75	8640.79
49.5	8532.51	8532.70	8532.82	8532.86	8532.86	8532.82	8532.76	8532.81	8532.86	8532.90
50.0	8421.14	8421.50	8421.75	8421.90	8421.97	8421.98	8421.95	8422.04	8422.11	8422.15
50.5	8305.02	8305.71	8306.26	8306.69	8307.02	8307.25	8307.42	8307.60	8307.72	8307.79
51.0	8184.45	8185.59	8186.60	8187.49	8188.26	8188.91	8189.45	8189.83	8190.11	8190.29
51.5	8058.92	8060.73	8062.47	8064.12	8065.65	8067.04	8068.27	8069.11	8069.77	8070.25
52.0	7929.53	7931.96	7934.41	7936.82	7939.14	7941.31	7943.29	7944.65	7945.76	7946.63
52.5	7796.32	7799.09	7801.97	7804.90	7807.79	7810.56	7813.13	7814.91	7816.43	7817.68
53.0	7661.82	7664.72	7667.83	7671.04	7674.27	7677.43	7680.41	7682.56	7684.45	7686.08
53.5	7528.83	7531.64	7534.68	7537.86	7541.09	7544.29	7547.38	7549.80	7552.02	7554.03
54.0	7396.53	7399.10	7401.88	7404.81	7407.83	7410.86	7413.84	7416.45	7418.93	7421.24
54.5	7264.96	7267.12	7269.48	7271.99	7274.61	7277.30	7280.02	7282.73	7285.39	7287.94
55.0	7134.40	7136.14	7138.05	7140.11	7142.29	7144.57	7146.94	7149.58	7152.23	7154.82
55.5	7005.45	7006.96	7008.58	7010.31	7012.13	7014.04	7016.01	7018.22	7020.44	7022.63
56.0	6877.20	6878.55	6879.97	6881.46	6883.01	6884.59	6886.22	6887.96	6889.70	6891.42
56.5	6748.89	6750.17	6751.50	6752.88	6754.30	6755.75	6757.23	6758.83	6760.43	6761.99
57.0	6620.60	6621.81	6623.07	6624.36	6625.68	6627.03	6628.40	6629.90	6631.40	6632.86
57.5	6492.08	6493.16	6494.26	6495.39	6496.54	6497.70	6498.87	6500.10	6501.31	6502.50
58.0	6363.50	6364.36	6365.24	6366.13	6367.03	6367.96	6368.89	6369.89	6370.89	6371.89
58.5	6235.36	6235.76	6236.17	6236.60	6237.07	6237.62	6238.25	6239.33	6240.48	6241.66
59.0	6106.52	6106.53	6106.55	6106.61	6106.75	6107.00	6107.40	6108.57	6109.88	6111.24
59.5	5976.30	5976.31	5976.35	5976.44	5976.61	5976.88	5977.29	5978.29	5979.40	5980.55
60.0	5843.86	5844.08	5844.37	5844.74	5845.17	5845.67	5846.23	5847.02	5847.85	5848.68
60.5	5707.85	5708.53	5709.34	5710.26	5711.24	5712.24	5713.21	5713.87	5714.47	5715.01
61.0	5569.09	5570.20	5571.50	5572.93	5574.41	5575.87	5577.22	5577.82	5578.26	5578.58
61.5	5428.08	5429.24	5430.58	5432.04	5433.54	5435.02	5436.38	5436.95	5437.38	5437.69
62.0	5284.45	5285.56	5286.83	5288.21	5289.64	5291.05	5292.38	5293.01	5293.53	5293.96
62.5	5137.17	5138.35	5139.75	5141.29	5142.91	5144.53	5146.08	5146.91	5147.63	5148.25
63.0	4988.78	4989.91	4991.31	4992.90	4994.60	4996.34	4998.06	4999.15	5000.15	5001.06
63.5	4841.30	4842.02	4843.01	4844.21	4845.58	4847.07	4848.63	4850.09	4851.55	4852.99
64.0	4695.25	4695.43	4695.81	4696.41	4697.20	4698.19	4699.36	4701.00	4702.76	4704.57
64.5	4552.26	4551.81	4551.46	4551.26	4551.22	4551.39	4551.79	4552.99	4554.39	4555.92
65.0	4411.07	4410.06	4409.05	4408.10	4407.27	4406.63	4406.24	4406.86	4407.74	4408.82

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65.5	4271.27	4270.09	4268.84	4267.59	4266.43	4265.41	4264.63	4264.83	4265.30	4266.00
66.0	4131.93	4130.61	4129.14	4127.60	4126.10	4124.74	4123.62	4123.70	4124.08	4124.71
66.5	3992.50	3990.68	3988.50	3986.15	3983.81	3981.67	3979.92	3980.66	3981.85	3983.34
67.0	3851.45	3849.21	3846.44	3843.38	3840.33	3837.54	3835.28	3836.76	3838.81	3841.21
67.5	3706.41	3704.21	3701.43	3698.34	3695.24	3692.41	3690.13	3691.77	3694.02	3696.61
68.0	3559.34	3557.46	3555.05	3552.38	3549.68	3547.22	3545.25	3546.72	3548.72	3551.05
68.5	3410.79	3409.62	3408.13	3406.49	3404.83	3403.31	3402.09	3402.87	3403.98	3405.32
69.0	3262.55	3262.05	3261.46	3260.81	3260.17	3259.58	3259.10	3259.22	3259.47	3259.85
69.5	3116.81	3116.40	3115.93	3115.44	3114.98	3114.58	3114.27	3114.45	3114.75	3115.15
70.0	2972.96	2972.52	2972.02	2971.51	2971.03	2970.63	2970.35	2970.70	2971.18	2971.77
70.5	2831.36	2831.18	2830.97	2830.73	2830.51	2830.33	2830.20	2830.35	2830.58	2830.88
71.0	2691.30	2691.37	2691.41	2691.43	2691.43	2691.43	2691.42	2691.30	2691.21	2691.15
71.5	2551.66	2551.74	2551.79	2551.82	2551.81	2551.78	2551.72	2551.41	2551.11	2550.85
72.0	2414.02	2414.00	2413.97	2413.91	2413.83	2413.72	2413.58	2413.17	2412.78	2412.43
72.5	2280.29	2280.07	2279.90	2279.75	2279.62	2279.51	2279.42	2279.14	2278.89	2278.69
73.0	2148.33	2147.97	2147.69	2147.46	2147.30	2147.18	2147.10	2146.97	2146.88	2146.84
73.5	2016.05	2015.87	2015.67	2015.44	2015.21	2014.97	2014.74	2014.52	2014.34	2014.20
74.0	1885.18	1885.23	1885.15	1884.97	1884.72	1884.41	1884.07	1883.76	1883.46	1883.20
74.5	1756.60	1756.58	1756.53	1756.44	1756.33	1756.20	1756.05	1755.82	1755.60	1755.40
75.0	1630.91	1630.82	1630.81	1630.87	1630.97	1631.09	1631.19	1631.01	1630.81	1630.62
75.5	1509.11	1509.17	1509.38	1509.71	1510.08	1510.46	1510.77	1510.35	1509.87	1509.37
76.0	1390.90	1391.11	1391.51	1392.04	1392.61	1393.13	1393.54	1392.82	1391.99	1391.10
76.5	1276.43	1276.66	1277.07	1277.56	1278.06	1278.47	1278.71	1277.66	1276.45	1275.17
77.0	1165.29	1165.40	1165.62	1165.89	1166.13	1166.28	1166.25	1165.10	1163.78	1162.39
77.5	1056.54	1056.17	1055.86	1055.60	1055.36	1055.12	1054.85	1054.30	1053.72	1053.14
78.0	951.95	951.09	950.26	949.47	948.76	948.15	947.67	947.73	947.91	948.16
78.5	853.30	852.26	851.21	850.19	849.23	848.39	847.71	847.75	847.95	848.24
79.0	759.66	758.64	757.63	756.63	755.69	754.83	754.09	753.84	753.70	753.64
79.5	670.17	669.60	669.16	668.81	668.50	668.21	667.87	667.06	666.19	665.30
80.0	586.26	586.00	585.97	586.08	586.24	586.34	586.28	585.00	583.54	581.96
80.5	508.95	508.18	507.52	506.94	506.40	505.86	505.27	504.11	502.91	501.72
81.0	438.53	437.09	435.58	434.05	432.54	431.11	429.79	428.87	428.11	427.53
81.5	376.41	374.65	372.69	370.61	368.51	366.47	364.58	363.65	362.94	362.42
82.0	320.32	318.34	316.03	313.53	310.97	308.46	306.15	305.28	304.65	304.21
82.5	268.38	266.02	263.27	260.31	257.32	254.45	251.89	251.53	251.51	251.73
83.0	220.91	218.37	215.45	212.35	209.25	206.35	203.82	203.85	204.29	205.00
83.5	176.49	174.45	172.20	169.84	167.50	165.30	163.37	163.05	163.03	163.22
84.0	138.42	136.95	135.42	133.88	132.38	130.94	129.63	128.83	128.17	127.65
84.5	111.16	109.65	108.15	106.69	105.28	103.94	102.68	101.64	100.69	99.83
85.0	89.80	88.22	86.69	85.20	83.78	82.42	81.13	80.04	79.00	78.01
85.5	70.68	69.52	68.37	67.24	66.13	65.05	64.01	63.13	62.29	61.46
86.0	54.52	53.84	53.13	52.40	51.66	50.93	50.22	49.67	49.14	48.63
86.5	40.23	39.78	39.33	38.88	38.45	38.05	37.68	37.50	37.35	37.22
87.0	29.63	29.32	29.04	28.80	28.60	28.44	28.35	28.43	28.56	28.74
87.5	25.48	25.30	25.13	24.98	24.85	24.75	24.68	24.70	24.75	24.82
88.0	23.84	23.72	23.59	23.47	23.33	23.20	23.06	22.94	22.81	22.68
88.5	21.41	21.24	21.05	20.86	20.67	20.48	20.29	20.12	19.96	19.78
89.0	18.99	18.75	18.50	18.26	18.02	17.78	17.55	17.39	17.23	17.06
89.5	16.22	16.00	15.79	15.58	15.39	15.20	15.02	14.90	14.78	14.66
90.0	13.21	13.08	12.97	12.87	12.78	12.70	12.63	12.58	12.55	12.52

**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	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13733.80	13733.73	13733.67	13733.65	13733.65	13733.65	13733.66	13733.68	13733.70	13733.75

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CANDELA TABULATION - (Cont.)

1.0	13732.01	13731.93	13731.86	13731.83	13731.82	13731.82	13731.83	13731.84	13731.87	13731.90
1.5	13729.18	13729.16	13729.15	13729.14	13729.13	13729.12	13729.11	13729.10	13729.08	13729.01
2.0	13725.28	13725.32	13725.36	13725.36	13725.35	13725.33	13725.30	13725.24	13725.17	13725.01
2.5	13720.22	13720.23	13720.23	13720.21	13720.17	13720.12	13720.06	13719.98	13719.89	13719.71
3.0	13714.17	13714.11	13714.05	13713.99	13713.92	13713.85	13713.77	13713.68	13713.58	13713.41
3.5	13707.20	13707.09	13706.99	13706.92	13706.86	13706.80	13706.73	13706.66	13706.57	13706.40
4.0	13699.37	13699.23	13699.10	13699.03	13698.96	13698.90	13698.84	13698.77	13698.69	13698.52
4.5	13690.83	13690.71	13690.60	13690.47	13690.35	13690.22	13690.09	13689.96	13689.83	13689.70
5.0	13681.32	13681.25	13681.17	13681.00	13680.82	13680.63	13680.44	13680.26	13680.08	13679.98
5.5	13670.59	13670.55	13670.50	13670.36	13670.20	13670.03	13669.86	13669.69	13669.52	13669.40
6.0	13658.84	13658.84	13658.82	13658.71	13658.60	13658.47	13658.33	13658.19	13658.04	13657.90
6.5	13646.27	13646.29	13646.30	13646.22	13646.12	13646.00	13645.87	13645.74	13645.61	13645.49
7.0	13632.73	13632.77	13632.80	13632.72	13632.63	13632.52	13632.39	13632.27	13632.14	13632.04
7.5	13618.17	13618.19	13618.19	13618.12	13618.03	13617.93	13617.81	13617.68	13617.54	13617.40
8.0	13602.53	13602.52	13602.50	13602.43	13602.35	13602.25	13602.13	13602.00	13601.86	13601.66
8.5	13585.73	13585.73	13585.71	13585.66	13585.58	13585.49	13585.39	13585.27	13585.13	13584.93
9.0	13567.80	13567.80	13567.79	13567.74	13567.67	13567.58	13567.47	13567.35	13567.21	13567.00
9.5	13548.74	13548.73	13548.70	13548.62	13548.52	13548.40	13548.25	13548.09	13547.90	13547.63
10.0	13528.52	13528.48	13528.42	13528.31	13528.17	13528.01	13527.83	13527.64	13527.42	13527.11
10.5	13507.11	13506.97	13506.83	13506.70	13506.55	13506.40	13506.24	13506.08	13505.91	13505.70
11.0	13484.57	13484.36	13484.16	13484.00	13483.86	13483.72	13483.60	13483.48	13483.36	13483.26
11.5	13460.98	13460.78	13460.60	13460.46	13460.33	13460.20	13460.09	13459.97	13459.87	13459.74
12.0	13436.37	13436.22	13436.07	13435.93	13435.79	13435.66	13435.52	13435.38	13435.24	13435.06
12.5	13410.91	13410.81	13410.69	13410.47	13410.23	13409.97	13409.72	13409.46	13409.22	13409.04
13.0	13384.32	13384.24	13384.13	13383.83	13383.50	13383.15	13382.79	13382.45	13382.13	13381.95
13.5	13356.25	13356.11	13355.94	13355.67	13355.39	13355.10	13354.82	13354.54	13354.29	13354.13
14.0	13327.05	13326.83	13326.60	13326.37	13326.16	13325.95	13325.75	13325.56	13325.39	13325.26
14.5	13296.97	13296.73	13296.48	13296.23	13295.98	13295.74	13295.52	13295.32	13295.14	13295.07
15.0	13265.91	13265.68	13265.44	13265.14	13264.85	13264.56	13264.29	13264.05	13263.85	13263.81
15.5	13233.88	13233.70	13233.49	13233.20	13232.90	13232.59	13232.30	13232.04	13231.81	13231.74
16.0	13200.76	13200.61	13200.44	13200.15	13199.85	13199.55	13199.25	13198.97	13198.73	13198.62
16.5	13166.35	13166.16	13165.96	13165.67	13165.38	13165.08	13164.80	13164.54	13164.31	13164.22
17.0	13130.87	13130.65	13130.41	13130.12	13129.83	13129.55	13129.28	13129.03	13128.82	13128.76
17.5	13094.55	13094.38	13094.19	13093.89	13093.58	13093.27	13092.98	13092.72	13092.49	13092.45
18.0	13057.19	13057.06	13056.91	13056.62	13056.31	13056.00	13055.70	13055.42	13055.19	13055.17
18.5	13018.59	13018.42	13018.25	13018.01	13017.78	13017.54	13017.32	13017.13	13016.96	13016.93
19.0	12978.93	12978.71	12978.49	12978.30	12978.12	12977.95	12977.79	12977.66	12977.55	12977.52
19.5	12938.38	12938.16	12937.92	12937.67	12937.42	12937.17	12936.95	12936.75	12936.58	12936.55
20.0	12896.73	12896.50	12896.26	12895.93	12895.60	12895.27	12894.96	12894.69	12894.46	12894.44
20.5	12853.68	12853.44	12853.18	12852.85	12852.53	12852.21	12851.92	12851.67	12851.47	12851.52
21.0	12809.60	12809.35	12809.10	12808.79	12808.49	12808.21	12807.95	12807.74	12807.58	12807.67
21.5	12764.88	12764.69	12764.47	12764.19	12763.90	12763.61	12763.34	12763.11	12762.92	12762.94
22.0	12719.15	12718.99	12718.81	12718.55	12718.28	12718.01	12717.75	12717.51	12717.31	12717.26
22.5	12672.13	12671.87	12671.62	12671.39	12671.18	12670.99	12670.82	12670.68	12670.57	12670.58
23.0	12624.01	12623.65	12623.32	12623.14	12623.00	12622.89	12622.81	12622.78	12622.77	12622.85
23.5	12574.92	12574.59	12574.27	12574.13	12574.03	12573.97	12573.93	12573.92	12573.93	12573.98
24.0	12524.77	12524.48	12524.21	12524.12	12524.05	12524.02	12524.01	12524.01	12524.02	12524.01
24.5	12473.46	12473.16	12472.89	12472.86	12472.87	12472.90	12472.95	12473.01	12473.06	12473.00
25.0	12421.15	12420.85	12420.60	12420.59	12420.64	12420.71	12420.79	12420.88	12420.95	12420.85
25.5	12368.08	12367.85	12367.64	12367.58	12367.55	12367.53	12367.52	12367.51	12367.49	12367.36
26.0	12313.93	12313.77	12313.61	12313.49	12313.38	12313.27	12313.16	12313.05	12312.95	12312.80
26.5	12258.33	12258.19	12258.06	12257.96	12257.88	12257.80	12257.72	12257.65	12257.58	12257.47
27.0	12201.61	12201.48	12201.37	12201.33	12201.30	12201.28	12201.27	12201.25	12201.24	12201.17
27.5	12144.04	12143.95	12143.86	12143.87	12143.89	12143.91	12143.94	12143.95	12143.95	12143.83
28.0	12085.47	12085.39	12085.32	12085.36	12085.40	12085.45	12085.49	12085.51	12085.51	12085.33
28.5	12025.79	12025.68	12025.58	12025.58	12025.60	12025.62	12025.63	12025.64	12025.62	12025.45

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CANDELA TABULATION - (Cont.)

29.0	11965.03	11964.89	11964.76	11964.72	11964.69	11964.67	11964.65	11964.62	11964.58	11964.46
29.5	11903.18	11903.09	11903.00	11902.93	11902.86	11902.79	11902.72	11902.66	11902.61	11902.55
30.0	11840.25	11840.19	11840.12	11840.04	11839.96	11839.87	11839.80	11839.73	11839.67	11839.66
30.5	11776.22	11776.04	11775.88	11775.87	11775.87	11775.89	11775.91	11775.92	11775.92	11775.80
31.0	11711.07	11710.81	11710.58	11710.62	11710.71	11710.81	11710.91	11711.00	11711.05	11710.84
31.5	11644.79	11644.63	11644.50	11644.52	11644.55	11644.60	11644.65	11644.69	11644.71	11644.57
32.0	11577.36	11577.35	11577.35	11577.33	11577.30	11577.28	11577.26	11577.23	11577.21	11577.16
32.5	11508.78	11508.82	11508.87	11508.87	11508.87	11508.86	11508.85	11508.84	11508.83	11508.82
33.0	11439.07	11439.15	11439.23	11439.25	11439.27	11439.28	11439.29	11439.30	11439.30	11439.31
33.5	11368.19	11368.33	11368.47	11368.45	11368.42	11368.37	11368.33	11368.28	11368.24	11368.28
34.0	11296.35	11296.55	11296.73	11296.68	11296.60	11296.50	11296.40	11296.30	11296.21	11296.25
34.5	11223.85	11224.07	11224.28	11224.25	11224.20	11224.11	11224.02	11223.92	11223.82	11223.79
35.0	11150.35	11150.60	11150.82	11150.85	11150.83	11150.79	11150.73	11150.64	11150.54	11150.43
35.5	11075.55	11075.84	11076.12	11076.19	11076.21	11076.21	11076.17	11076.11	11076.03	11075.88
36.0	10999.65	10999.99	11000.31	11000.42	11000.50	11000.53	11000.53	11000.49	11000.42	11000.24
36.5	10922.79	10923.16	10923.52	10923.68	10923.80	10923.87	10923.90	10923.89	10923.83	10923.58
37.0	10844.88	10845.25	10845.61	10845.79	10845.94	10846.04	10846.10	10846.10	10846.05	10845.77
37.5	10765.88	10766.15	10766.42	10766.57	10766.69	10766.77	10766.82	10766.84	10766.80	10766.57
38.0	10685.78	10685.98	10686.16	10686.27	10686.35	10686.40	10686.43	10686.43	10686.40	10686.23
38.5	10604.54	10604.86	10605.16	10605.24	10605.28	10605.28	10605.24	10605.17	10605.08	10604.90
39.0	10522.14	10522.57	10522.98	10523.07	10523.11	10523.09	10523.04	10522.94	10522.80	10522.60
39.5	10438.49	10438.78	10439.07	10439.26	10439.44	10439.58	10439.69	10439.75	10439.77	10439.56
40.0	10353.76	10353.89	10354.05	10354.34	10354.65	10354.94	10355.21	10355.43	10355.58	10355.35
40.5	10268.07	10268.24	10268.43	10268.73	10269.02	10269.30	10269.54	10269.71	10269.81	10269.48
41.0	10181.48	10181.74	10182.01	10182.24	10182.45	10182.62	10182.73	10182.79	10182.76	10182.34
41.5	10094.28	10094.64	10094.96	10095.02	10095.02	10094.96	10094.85	10094.69	10094.49	10094.14
42.0	10005.91	10006.31	10006.65	10006.57	10006.40	10006.17	10005.89	10005.58	10005.26	10004.98
42.5	9915.60	9915.90	9916.17	9916.17	9916.11	9916.00	9915.85	9915.66	9915.43	9915.09
43.0	9824.16	9824.34	9824.52	9824.65	9824.76	9824.83	9824.85	9824.82	9824.72	9824.27
43.5	9732.39	9732.54	9732.69	9732.86	9733.01	9733.12	9733.17	9733.15	9733.05	9732.48
44.0	9639.56	9639.71	9639.85	9640.04	9640.21	9640.32	9640.37	9640.33	9640.19	9639.53
44.5	9545.13	9545.29	9545.44	9545.66	9545.86	9546.00	9546.08	9546.07	9545.95	9545.27
45.0	9449.37	9449.52	9449.68	9449.89	9450.08	9450.22	9450.30	9450.30	9450.20	9449.56
45.5	9352.30	9352.40	9352.49	9352.59	9352.67	9352.71	9352.71	9352.65	9352.52	9352.05
46.0	9254.11	9254.14	9254.16	9254.13	9254.07	9253.97	9253.86	9253.71	9253.54	9253.25
46.5	9155.12	9155.13	9155.11	9154.93	9154.71	9154.47	9154.21	9153.95	9153.71	9153.54
47.0	9054.89	9054.90	9054.85	9054.61	9054.32	9054.01	9053.69	9053.39	9053.11	9053.01
47.5	8952.93	8952.90	8952.85	8952.78	8952.70	8952.61	8952.51	8952.40	8952.29	8952.13
48.0	8849.76	8849.71	8849.67	8849.81	8849.96	8850.11	8850.25	8850.35	8850.41	8850.21
48.5	8746.15	8746.15	8746.18	8746.34	8746.52	8746.71	8746.87	8747.02	8747.12	8747.02
49.0	8640.85	8640.90	8640.97	8641.08	8641.21	8641.32	8641.43	8641.52	8641.60	8641.58
49.5	8532.94	8532.97	8532.98	8532.98	8532.96	8532.93	8532.89	8532.84	8532.77	8532.61
50.0	8422.17	8422.16	8422.11	8421.97	8421.80	8421.61	8421.41	8421.20	8420.99	8420.69
50.5	8307.80	8307.76	8307.67	8307.45	8307.21	8306.94	8306.67	8306.41	8306.18	8305.98
51.0	8190.37	8190.37	8190.29	8190.03	8189.72	8189.39	8189.06	8188.76	8188.51	8188.44
51.5	8070.58	8070.74	8070.76	8070.44	8070.03	8069.56	8069.07	8068.59	8068.18	8068.12
52.0	7947.28	7947.70	7947.90	7947.65	7947.24	7946.72	7946.14	7945.56	7945.02	7944.89
52.5	7818.68	7819.43	7819.94	7820.04	7819.94	7819.68	7819.32	7818.89	7818.42	7818.11
53.0	7687.46	7688.59	7689.47	7690.01	7690.32	7690.44	7690.39	7690.20	7689.88	7689.38
53.5	7555.80	7557.35	7558.65	7559.60	7560.32	7560.80	7561.07	7561.12	7560.96	7560.42
54.0	7423.37	7425.28	7426.97	7428.26	7429.30	7430.08	7430.59	7430.85	7430.84	7430.32
54.5	7290.34	7292.55	7294.51	7295.92	7297.05	7297.90	7298.47	7298.76	7298.77	7298.34
55.0	7157.30	7159.61	7161.68	7163.10	7164.22	7165.07	7165.65	7165.96	7166.01	7165.72
55.5	7024.74	7026.73	7028.56	7029.95	7031.12	7032.06	7032.79	7033.28	7033.53	7033.47
56.0	6893.09	6894.68	6896.16	6897.44	6898.58	6899.56	6900.37	6901.00	6901.44	6901.64
56.5	6763.49	6764.90	6766.21	6767.20	6768.06	6768.79	6769.40	6769.89	6770.26	6770.78

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57.0	6634.24	6635.54	6636.71	6637.45	6638.07	6638.58	6638.99	6639.34	6639.64	6640.41
57.5	6503.65	6504.75	6505.78	6506.61	6507.37	6508.05	6508.67	6509.21	6509.70	6510.51
58.0	6372.88	6373.86	6374.81	6375.72	6376.60	6377.42	6378.19	6378.89	6379.51	6380.29
58.5	6242.85	6243.99	6245.06	6245.70	6246.24	6246.70	6247.11	6247.47	6247.82	6248.62
59.0	6112.60	6113.89	6115.05	6115.37	6115.54	6115.61	6115.63	6115.64	6115.68	6116.51
59.5	5981.70	5982.79	5983.77	5984.02	5984.15	5984.20	5984.22	5984.24	5984.32	5985.15
60.0	5849.50	5850.27	5850.96	5851.20	5851.37	5851.50	5851.62	5851.76	5851.96	5852.75
60.5	5715.48	5715.90	5716.25	5716.39	5716.50	5716.60	5716.72	5716.89	5717.12	5717.77
61.0	5578.80	5578.95	5579.05	5579.16	5579.28	5579.41	5579.58	5579.81	5580.12	5580.64
61.5	5437.92	5438.11	5438.28	5438.62	5438.99	5439.39	5439.83	5440.32	5440.87	5441.37
62.0	5294.33	5294.69	5295.05	5295.65	5296.29	5296.96	5297.67	5298.40	5299.15	5299.67
62.5	5148.81	5149.33	5149.84	5150.54	5151.25	5151.97	5152.71	5153.45	5154.21	5154.70
63.0	5001.90	5002.69	5003.43	5004.18	5004.91	5005.61	5006.30	5006.98	5007.65	5008.13
63.5	4854.39	4855.72	4856.95	4857.81	4858.58	4859.26	4859.88	4860.45	4860.98	4861.45
64.0	4706.39	4708.14	4709.78	4710.75	4711.56	4712.25	4712.83	4713.34	4713.80	4714.29
64.5	4557.53	4559.14	4560.70	4561.68	4562.57	4563.36	4564.09	4564.75	4565.38	4566.00
65.0	4410.04	4411.35	4412.69	4413.66	4414.61	4415.53	4416.43	4417.30	4418.15	4418.93
65.5	4266.88	4267.91	4269.05	4270.14	4271.28	4272.44	4273.61	4274.75	4275.86	4276.69
66.0	4125.54	4126.52	4127.61	4128.55	4129.54	4130.58	4131.64	4132.71	4133.80	4134.84
66.5	3984.99	3986.66	3988.21	3988.03	3987.70	3987.34	3987.05	3986.94	3987.12	3988.98
67.0	3843.72	3846.12	3848.16	3846.92	3845.33	3843.61	3842.00	3840.72	3840.01	3842.62
67.5	3699.32	3701.90	3704.10	3702.87	3701.25	3699.49	3697.82	3696.47	3695.69	3698.31
68.0	3553.50	3555.86	3557.91	3557.10	3555.97	3554.72	3553.54	3552.62	3552.17	3554.54
68.5	3406.76	3408.20	3409.52	3409.28	3408.92	3408.55	3408.29	3408.24	3408.53	3410.67
69.0	3260.31	3260.85	3261.44	3261.73	3262.07	3262.51	3263.08	3263.82	3264.76	3266.63
69.5	3115.62	3116.16	3116.73	3117.07	3117.44	3117.89	3118.43	3119.09	3119.90	3121.43
70.0	2972.42	2973.10	2973.79	2974.07	2974.34	2974.64	2974.99	2975.42	2975.97	2977.21
70.5	2831.23	2831.64	2832.10	2832.49	2832.93	2833.43	2833.99	2834.61	2835.32	2836.46
71.0	2691.16	2691.25	2691.45	2691.98	2692.62	2693.37	2694.20	2695.10	2696.06	2697.19
71.5	2550.68	2550.61	2550.70	2551.35	2552.15	2553.09	2554.15	2555.29	2556.50	2557.71
72.0	2412.18	2412.07	2412.12	2412.80	2413.67	2414.69	2415.84	2417.09	2418.40	2419.68
72.5	2278.58	2278.57	2278.69	2279.21	2279.86	2280.64	2281.53	2282.51	2283.56	2284.73
73.0	2146.86	2146.95	2147.12	2147.44	2147.85	2148.34	2148.90	2149.54	2150.25	2151.25
73.5	2014.12	2014.09	2014.15	2014.40	2014.72	2015.12	2015.58	2016.09	2016.64	2017.37
74.0	1882.97	1882.81	1882.73	1882.94	1883.23	1883.59	1884.00	1884.46	1884.94	1885.49
74.5	1755.23	1755.10	1755.04	1755.13	1755.30	1755.54	1755.87	1756.28	1756.78	1757.60
75.0	1630.44	1630.31	1630.23	1630.30	1630.45	1630.70	1631.04	1631.49	1632.06	1633.07
75.5	1508.90	1508.51	1508.24	1508.66	1509.21	1509.87	1510.59	1511.34	1512.07	1512.45
76.0	1390.26	1389.53	1389.00	1389.67	1390.53	1391.52	1392.53	1393.50	1394.34	1394.10
76.5	1273.90	1272.74	1271.78	1272.03	1272.51	1273.15	1273.88	1274.64	1275.36	1275.38
77.0	1160.99	1159.67	1158.52	1158.28	1158.25	1158.39	1158.67	1159.05	1159.51	1159.87
77.5	1052.56	1052.02	1051.53	1051.23	1051.00	1050.84	1050.74	1050.71	1050.74	1050.82
78.0	948.44	948.71	948.93	948.67	948.35	947.98	947.60	947.22	946.86	946.62
78.5	848.58	848.91	849.18	848.89	848.53	848.11	847.66	847.22	846.80	846.58
79.0	753.62	753.62	753.59	753.22	752.81	752.39	751.98	751.59	751.24	751.15
79.5	664.39	663.49	662.64	661.93	661.30	660.75	660.29	659.93	659.69	659.81
80.0	580.35	578.77	577.30	576.46	575.79	575.28	574.91	574.68	574.58	574.75
80.5	500.61	499.61	498.77	498.78	498.93	499.18	499.47	499.73	499.91	499.38
81.0	427.12	426.89	426.84	427.50	428.26	429.04	429.74	430.30	430.61	429.54
81.5	362.05	361.80	361.64	361.45	361.30	361.18	361.08	360.99	360.90	360.61
82.0	303.87	303.57	303.25	302.00	300.73	299.50	298.40	297.49	296.84	297.44
82.5	252.05	252.35	252.52	251.04	249.40	247.73	246.12	244.70	243.57	244.12
83.0	205.82	206.60	207.19	205.89	204.35	202.70	201.04	199.48	198.13	198.28
83.5	163.55	163.90	164.21	163.69	163.06	162.35	161.60	160.83	160.08	159.55
84.0	127.26	126.98	126.79	126.89	127.02	127.15	127.23	127.22	127.06	125.97
84.5	99.05	98.35	97.71	97.21	96.76	96.32	95.89	95.45	94.96	94.09

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CANDELA TABULATION - (Cont.)

85.0	77.05	76.11	75.16	73.95	72.76	71.59	70.48	69.45	68.52	68.01
85.5	60.64	59.81	58.96	57.87	56.77	55.68	54.62	53.62	52.70	52.13
86.0	48.11	47.57	47.02	46.31	45.57	44.82	44.08	43.34	42.63	42.03
86.5	37.11	37.00	36.89	36.64	36.39	36.12	35.84	35.57	35.30	35.07
87.0	28.94	29.16	29.38	29.51	29.63	29.74	29.85	29.96	30.07	30.18
87.5	24.90	24.98	25.07	25.10	25.13	25.15	25.16	25.18	25.19	25.18
88.0	22.54	22.40	22.24	22.05	21.84	21.63	21.42	21.21	20.99	20.77
88.5	19.59	19.38	19.14	18.81	18.45	18.08	17.71	17.34	16.99	16.69
89.0	16.88	16.68	16.44	16.05	15.63	15.20	14.77	14.34	13.93	13.63
89.5	14.53	14.39	14.23	13.96	13.67	13.37	13.06	12.77	12.49	12.29
90.0	12.50	12.48	12.48	12.46	12.45	12.45	12.44	12.44	12.44	12.43

**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	13734.53	13734.53	13734.53	13734.53	13734.53
0.5	13733.79	13733.84	13733.90	13733.96	13734.02
1.0	13731.93	13731.97	13732.02	13732.07	13732.13
1.5	13728.95	13728.89	13728.83	13728.79	13728.77
2.0	13724.84	13724.67	13724.51	13724.37	13724.26
2.5	13719.52	13719.34	13719.17	13719.03	13718.92
3.0	13713.23	13713.06	13712.91	13712.79	13712.70
3.5	13706.21	13706.04	13705.88	13705.75	13705.65
4.0	13698.34	13698.17	13698.02	13697.89	13697.79
4.5	13689.58	13689.46	13689.37	13689.29	13689.23
5.0	13679.90	13679.84	13679.79	13679.75	13679.73
5.5	13669.29	13669.20	13669.12	13669.06	13669.02
6.0	13657.76	13657.63	13657.51	13657.42	13657.35
6.5	13645.37	13645.27	13645.17	13645.08	13645.01
7.0	13631.95	13631.86	13631.77	13631.69	13631.61
7.5	13617.26	13617.11	13616.98	13616.85	13616.73
8.0	13601.46	13601.26	13601.06	13600.88	13600.72
8.5	13584.71	13584.50	13584.30	13584.11	13583.94
9.0	13566.78	13566.56	13566.36	13566.16	13566.00
9.5	13547.35	13547.07	13546.82	13546.60	13546.42
10.0	13526.79	13526.49	13526.22	13525.99	13525.81
10.5	13505.49	13505.29	13505.11	13504.95	13504.82
11.0	13483.15	13483.06	13482.96	13482.88	13482.79
11.5	13459.61	13459.49	13459.38	13459.27	13459.17
12.0	13434.89	13434.73	13434.58	13434.45	13434.34
12.5	13408.88	13408.74	13408.62	13408.53	13408.46
13.0	13381.81	13381.71	13381.63	13381.58	13381.56
13.5	13354.00	13353.90	13353.82	13353.77	13353.74
14.0	13325.15	13325.06	13324.99	13324.94	13324.90
14.5	13295.02	13294.99	13294.98	13294.98	13294.98
15.0	13263.80	13263.83	13263.88	13263.93	13263.97
15.5	13231.71	13231.71	13231.73	13231.77	13231.82
16.0	13198.55	13198.52	13198.51	13198.53	13198.57
16.5	13164.16	13164.14	13164.15	13164.17	13164.21
17.0	13128.74	13128.74	13128.77	13128.81	13128.85
17.5	13092.45	13092.49	13092.55	13092.62	13092.70
18.0	13055.19	13055.24	13055.32	13055.41	13055.51
18.5	13016.94	13016.96	13017.00	13017.05	13017.09
19.0	12977.50	12977.50	12977.51	12977.51	12977.50
19.5	12936.55	12936.57	12936.61	12936.64	12936.66
20.0	12894.48	12894.54	12894.63	12894.71	12894.78

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CANDELA TABULATION - (Cont.)

20.5	12851.62	12851.75	12851.89	12852.02	12852.13
21.0	12807.81	12807.98	12808.16	12808.32	12808.45
21.5	12763.01	12763.10	12763.21	12763.32	12763.42
22.0	12717.25	12717.27	12717.31	12717.36	12717.42
22.5	12670.63	12670.69	12670.76	12670.84	12670.90
23.0	12622.96	12623.07	12623.18	12623.28	12623.35
23.5	12574.04	12574.10	12574.17	12574.24	12574.29
24.0	12524.00	12523.99	12523.99	12524.00	12524.02
24.5	12472.93	12472.86	12472.78	12472.71	12472.65
25.0	12420.73	12420.60	12420.47	12420.34	12420.22
25.5	12367.22	12367.07	12366.94	12366.82	12366.73
26.0	12312.66	12312.53	12312.42	12312.34	12312.29
26.5	12257.38	12257.28	12257.20	12257.14	12257.09
27.0	12201.10	12201.03	12200.96	12200.89	12200.83
27.5	12143.69	12143.55	12143.42	12143.29	12143.18
28.0	12085.13	12084.92	12084.72	12084.54	12084.40
28.5	12025.27	12025.08	12024.90	12024.74	12024.61
29.0	11964.33	11964.19	11964.06	11963.95	11963.86
29.5	11902.51	11902.46	11902.42	11902.39	11902.37
30.0	11839.65	11839.66	11839.67	11839.68	11839.68
30.5	11775.67	11775.54	11775.40	11775.28	11775.17
31.0	11710.59	11710.33	11710.06	11709.82	11709.60
31.5	11644.40	11644.23	11644.07	11643.91	11643.79
32.0	11577.12	11577.08	11577.05	11577.03	11577.02
32.5	11508.81	11508.80	11508.79	11508.79	11508.79
33.0	11439.31	11439.31	11439.31	11439.30	11439.29
33.5	11368.32	11368.36	11368.41	11368.45	11368.47
34.0	11296.30	11296.37	11296.43	11296.50	11296.56
34.5	11223.77	11223.75	11223.75	11223.76	11223.77
35.0	11150.32	11150.21	11150.12	11150.05	11150.00
35.5	11075.72	11075.56	11075.43	11075.32	11075.25
36.0	11000.04	10999.84	10999.66	10999.53	10999.44
36.5	10923.31	10923.04	10922.79	10922.58	10922.45
37.0	10845.45	10845.13	10844.83	10844.58	10844.40
37.5	10766.32	10766.06	10765.82	10765.62	10765.48
38.0	10686.05	10685.86	10685.70	10685.56	10685.48
38.5	10604.71	10604.52	10604.36	10604.22	10604.14
39.0	10522.38	10522.17	10521.97	10521.81	10521.70
39.5	10439.32	10439.07	10438.83	10438.63	10438.48
40.0	10355.07	10354.76	10354.46	10354.20	10354.02
40.5	10269.09	10268.68	10268.29	10267.95	10267.72
41.0	10181.88	10181.41	10180.97	10180.60	10180.35
41.5	10093.78	10093.44	10093.13	10092.90	10092.75
42.0	10004.71	10004.49	10004.30	10004.18	10004.13
42.5	9914.74	9914.41	9914.13	9913.92	9913.81
43.0	9823.78	9823.30	9822.86	9822.50	9822.26
43.5	9731.85	9731.22	9730.63	9730.13	9729.75
44.0	9638.80	9638.06	9637.35	9636.74	9636.26
44.5	9544.52	9543.75	9543.02	9542.39	9541.92
45.0	9448.86	9448.15	9447.49	9446.92	9446.50
45.5	9351.54	9351.02	9350.54	9350.12	9349.80
46.0	9252.96	9252.66	9252.39	9252.14	9251.95
46.5	9153.39	9153.27	9153.18	9153.11	9153.08
47.0	9052.94	9052.92	9052.92	9052.96	9053.02
47.5	8951.98	8951.83	8951.71	8951.61	8951.55
48.0	8849.96	8849.70	8849.43	8849.19	8848.98

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48.5	8746.88	8746.72	8746.54	8746.37	8746.20
49.0	8641.54	8641.49	8641.42	8641.35	8641.28
49.5	8532.45	8532.31	8532.21	8532.15	8532.16
50.0	8420.42	8420.21	8420.08	8420.06	8420.17
50.5	8305.84	8305.78	8305.81	8305.96	8306.23
51.0	8188.45	8188.55	8188.74	8189.04	8189.45
51.5	8068.15	8068.29	8068.52	8068.85	8069.27
52.0	7944.85	7944.90	7945.04	7945.26	7945.57
52.5	7817.82	7817.57	7817.38	7817.26	7817.23
53.0	7688.83	7688.24	7687.67	7687.14	7686.69
53.5	7559.73	7558.92	7558.06	7557.17	7556.29
54.0	7429.58	7428.66	7427.60	7426.45	7425.24
54.5	7297.66	7296.77	7295.72	7294.52	7293.22
55.0	7165.19	7164.45	7163.51	7162.40	7161.13
55.5	7033.18	7032.65	7031.91	7030.95	7029.79
56.0	6901.64	6901.40	6900.93	6900.21	6899.24
56.5	6771.14	6771.31	6771.25	6770.92	6770.27
57.0	6641.08	6641.59	6641.87	6641.86	6641.49
57.5	6511.19	6511.71	6511.98	6511.96	6511.58
58.0	6380.93	6381.39	6381.62	6381.56	6381.16
58.5	6249.37	6249.98	6250.41	6250.58	6250.45
59.0	6117.34	6118.12	6118.77	6119.21	6119.37
59.5	5986.00	5986.81	5987.52	5988.05	5988.35
60.0	5853.57	5854.36	5855.09	5855.70	5856.12
60.5	5718.49	5719.25	5720.03	5720.79	5721.51
61.0	5581.26	5581.98	5582.79	5583.71	5584.73
61.5	5441.96	5442.66	5443.49	5444.49	5445.67
62.0	5300.25	5300.93	5301.76	5302.78	5304.02
62.5	5155.25	5155.90	5156.68	5157.64	5158.83
63.0	5008.65	5009.25	5009.95	5010.81	5011.85
63.5	4861.93	4862.44	4863.03	4863.70	4864.49
64.0	4714.77	4715.25	4715.76	4716.31	4716.90
64.5	4566.61	4567.21	4567.82	4568.46	4569.13
65.0	4419.70	4420.47	4421.24	4422.03	4422.85
65.5	4277.47	4278.22	4278.95	4279.68	4280.41
66.0	4135.87	4136.89	4137.90	4138.88	4139.83
66.5	3991.14	3993.50	3995.95	3998.39	4000.71
67.0	3845.83	3849.44	3853.25	3857.05	3860.65
67.5	3701.54	3705.15	3708.95	3712.73	3716.29
68.0	3557.40	3560.56	3563.86	3567.11	3570.14
68.5	3413.13	3415.78	3418.49	3421.13	3423.57
69.0	3268.65	3270.75	3272.83	3274.82	3276.64
69.5	3123.06	3124.71	3126.33	3127.82	3129.13
70.0	2978.53	2979.86	2981.13	2982.27	2983.21
70.5	2837.63	2838.79	2839.90	2840.88	2841.71
71.0	2698.33	2699.45	2700.51	2701.49	2702.35
71.5	2558.94	2560.16	2561.35	2562.50	2563.58
72.0	2420.98	2422.29	2423.60	2424.88	2426.12
72.5	2285.93	2287.14	2288.31	2289.43	2290.47
73.0	2152.27	2153.28	2154.24	2155.10	2155.83
73.5	2018.09	2018.79	2019.44	2019.99	2020.43
74.0	1886.02	1886.52	1886.98	1887.36	1887.64
74.5	1758.47	1759.35	1760.18	1760.94	1761.58
75.0	1634.16	1635.27	1636.36	1637.38	1638.28
75.5	1512.79	1513.11	1513.42	1513.74	1514.08
76.0	1393.73	1393.28	1392.84	1392.47	1392.25

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CANDELA TABULATION - (Cont.)

76.5	1275.32	1275.23	1275.14	1275.08	1275.10
77.0	1160.25	1160.64	1161.04	1161.44	1161.82
77.5	1050.97	1051.17	1051.42	1051.73	1052.09
78.0	946.45	946.36	946.37	946.48	946.71
78.5	846.42	846.32	846.29	846.32	846.42
79.0	751.10	751.09	751.10	751.13	751.14
79.5	660.01	660.27	660.56	660.82	661.04
80.0	575.00	575.31	575.63	575.93	576.19
80.5	498.74	498.04	497.31	496.60	495.95
81.0	428.25	426.81	425.32	423.89	422.59
81.5	360.33	360.04	359.78	359.56	359.39
82.0	298.29	299.33	300.45	301.59	302.67
82.5	244.98	246.03	247.17	248.30	249.31
83.0	198.67	199.21	199.82	200.42	200.90
83.5	159.07	158.65	158.28	157.98	157.74
84.0	124.78	123.56	122.40	121.37	120.55
84.5	93.21	92.34	91.53	90.81	90.23
85.0	67.60	67.27	67.01	66.78	66.55
85.5	51.65	51.23	50.86	50.51	50.17
86.0	41.45	40.91	40.40	39.91	39.45
86.5	34.85	34.64	34.45	34.27	34.11
87.0	30.29	30.40	30.52	30.66	30.80
87.5	25.18	25.18	25.19	25.22	25.26
88.0	20.56	20.36	20.18	20.02	19.89
88.5	16.41	16.16	15.93	15.73	15.55
89.0	13.36	13.12	12.91	12.72	12.55
89.5	12.11	11.95	11.81	11.69	11.58
90.0	12.42	12.41	12.41	12.40	12.40

IES INDOOR REPORT
PHOTOMETRIC FILENAME : NUVHTVHOWT30VWD120-277V.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	5046.44	13.40	13.40
0-30	10772.29	28.50	28.50
0-40	17746.54	47.00	47.00
0-60	31419.89	83.30	83.30
0-80	37562.3	99.60	99.60
0-90	37731.71	100.00	100.00
10-90	36430.64	96.60	96.60
20-40	12700.07	33.70	33.70
20-50	19980.37	53.00	53.00
40-70	18045.00	47.80	47.80
60-80	6142.45	16.30	16.30
70-80	1770.79	4.70	4.70
80-90	169.37	0.40	0.40
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	37731.71	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1301.04
10-20	3745.42
20-30	5725.84
30-40	6974.25
40-50	7280.32
50-60	6393.04
60-70	4371.66
70-80	1770.79
80-90	169.37
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

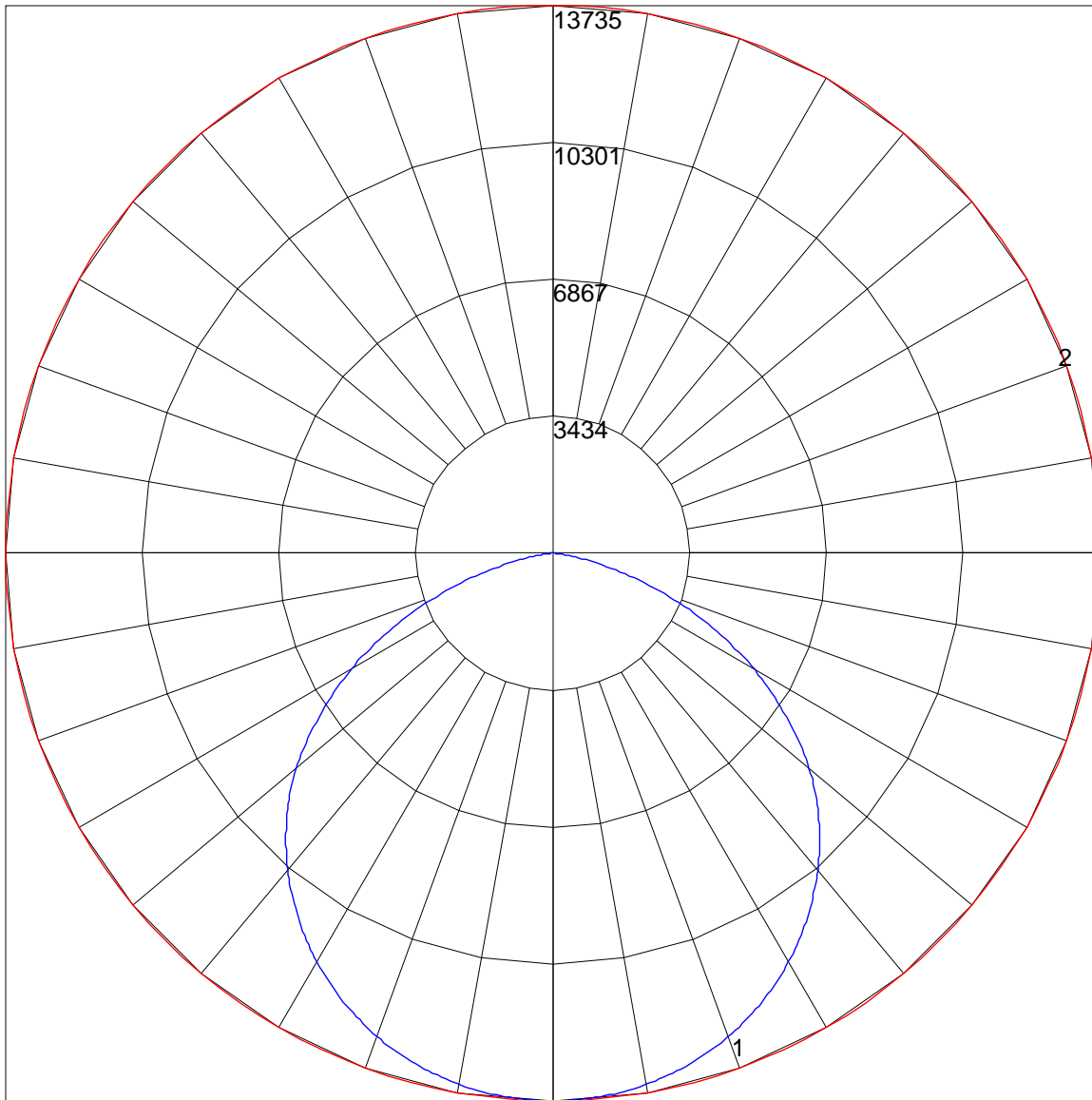
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	91	81	73	67	89	80	73	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	27	39	32	27	38	32	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 13734.53 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)