



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WLRD-O-L22-830-BZ.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [TEST] s17040016a-01 Scaled from 5K
 [TESTLAB] LEADING TESTING LABORATORIES
 [TESTDATE] 2017-04-13
 [ISSUE DATE] 2017-04-13 10:20:53
 [LAMPPOSITION] 0,0
 [MANUFAC]
 [LUMCAT] WLRD-O-L22-830-BZ

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2056
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.00 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0.0	776.933	776.933	776.933	776.933	776.933	776.933	776.933	776.933	776.933	776.933
0.5	777.464	777.534	777.826	778.172	778.260	778.145	778.172	777.906	777.862	777.720
1.0	778.003	777.986	778.287	778.552	778.534	778.632	778.685	778.552	778.543	777.871
1.5	778.278	778.278	778.375	778.136	778.375	778.473	778.844	778.437	778.490	778.234
2.0	778.446	778.570	778.614	778.269	778.154	777.950	778.357	777.995	778.189	777.968
2.5	778.039	778.428	778.924	778.658	777.924	777.685	777.384	777.313	777.393	777.154
3.0	777.959	778.366	778.959	778.614	777.977	777.295	776.968	776.888	776.561	775.826
3.5	777.180	777.968	778.711	778.534	777.747	777.048	776.986	776.216	775.614	774.525
4.0	776.340	777.534	777.694	778.057	777.225	776.472	776.534	775.384	774.304	773.552
4.5	775.596	776.172	776.773	777.021	776.110	775.030	775.074	773.888	772.888	772.941
5.0	774.455	774.897	775.561	776.083	774.897	773.773	773.729	772.260	771.596	772.030
5.5	772.596	773.092	774.853	775.348	773.906	772.145	771.959	771.180	770.100	771.242
6.0	771.171	771.888	774.463	774.623	772.862	770.437	770.844	770.083	769.631	770.251
6.5	769.808	771.331	773.897	773.959	771.561	769.242	769.428	769.676	769.277	770.030
7.0	768.366	770.870	773.393	773.578	770.764	768.322	769.038	769.755	770.100	771.003
7.5	767.499	770.702	772.844	773.437	769.950	767.711	769.145	770.136	770.587	771.428
8.0	766.596	770.313	771.835	772.764	769.729	766.932	769.021	770.773	771.348	771.251
8.5	765.826	769.030	770.410	771.304	769.313	765.720	767.941	770.800	771.154	770.251
9.0	764.773	767.729	768.968	769.419	768.702	764.844	767.100	769.153	770.056	767.861
9.5	763.605	767.012	767.463	767.162	767.782	763.923	765.472	767.295	767.799	765.109
10.0	762.773	766.083	766.587	764.640	765.251	762.366	764.543	766.198	764.782	762.693
10.5	761.348	765.383	765.189	761.693	762.472	760.162	763.224	764.321	762.392	761.056
11.0	760.365	764.543	763.357	758.852	758.958	758.100	761.312	762.038	759.985	760.268
11.5	760.224	762.985	761.357	757.454	756.109	757.153	759.551	759.870	758.038	759.728
12.0	760.029	761.967	759.534	757.693	754.055	755.507	758.463	756.551	756.339	759.498
12.5	758.861	759.932	757.436	758.852	753.533	753.710	757.047	754.516	753.931	758.330
13.0	757.117	757.861	756.232	759.250	753.418	752.356	756.011	753.153	751.958	757.038
13.5	755.454	755.374	755.020	758.410	753.763	751.099	755.047	752.400	751.038	755.162
14.0	753.675	753.772	753.392	756.932	754.285	749.958	754.409	751.551	750.515	752.808
14.5	752.100	752.418	751.622	754.631	753.675	748.409	753.400	750.967	749.710	750.330
15.0	750.436	751.542	750.303	752.161	752.595	745.621	751.772	750.188	748.745	747.834
15.5	748.692	750.922	749.391	750.630	751.719	742.276	749.781	748.480	747.436	745.630
16.0	746.551	749.666	748.444	749.170	749.692	739.763	748.418	746.621	746.188	743.612
16.5	744.002	747.692	747.082	747.267	748.471	738.276	745.869	743.966	744.931	741.887
17.0	742.241	746.099	745.391	745.285	747.409	737.577	743.055	741.515	743.134	740.028
17.5	740.780	743.727	743.506	742.382	745.117	737.338	740.833	739.258	741.444	738.550
18.0	738.754	741.639	739.993	739.214	742.630	737.258	738.665	737.249	739.745	736.223
18.5	736.408	739.515	737.001	735.842	739.488	736.771	736.249	735.205	738.355	733.559
19.0	734.780	737.532	734.152	732.559	736.152	735.470	734.081	734.214	737.099	731.231
19.5	733.107	735.355	731.638	729.753	732.470	733.470	731.930	732.479	734.789	729.957
20.0	731.382	733.497	730.010	727.674	729.532	731.452	729.497	730.948	732.399	728.045
20.5	729.328	730.815	728.116	726.204	727.258	728.674	726.850	729.169	730.594	726.178
21.0	726.789	728.116	725.373	724.054	725.275	726.107	724.558	726.408	728.390	725.027
21.5	723.744	725.594	722.390	722.240	723.709	723.125	722.302	723.656	725.266	723.709
22.0	721.178	722.452	720.310	721.107	721.797	719.894	720.806	720.611	721.841	722.045
22.5	718.708	719.593	717.602	718.788	718.620	716.930	718.523	717.505	718.116	719.514
23.0	716.301	717.363	715.213	717.257	715.753	714.345	717.310	715.257	714.664	717.133
23.5	714.151	715.071	713.009	715.275	714.080	711.744	715.000	712.788	712.044	714.505
24.0	711.947	712.452	711.460	713.292	711.894	709.965	712.390	709.743	710.540	711.690
24.5	709.301	709.681	708.894	710.885	709.186	708.558	709.982	706.363	708.752	709.089
25.0	706.141	706.380	706.584	707.540	706.752	706.026	707.752	702.796	706.637	707.319
25.5	703.575	702.761	703.920	704.071	703.495	702.787	705.018	700.362	703.451	705.628
26.0	699.849	700.424	700.504	700.336	700.416	700.761	702.743	698.769	700.380	702.867
26.5	695.752	697.407	696.831	697.026	696.920	698.522	700.097	696.460	696.814	699.327

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CANDELA TABULATION - (Cont.)

27.0	692.459	694.318	694.008	694.052	693.769	696.212	696.814	693.459	693.521	695.212
27.5	690.619	691.265	691.433	690.150	690.521	693.132	693.574	690.477	690.468	691.406
28.0	688.450	688.415	688.822	686.362	687.512	689.857	690.565	686.521	687.433	687.769
28.5	685.185	685.008	685.583	682.954	684.547	685.698	687.548	683.724	685.548	685.317
29.0	680.025	681.379	681.397	680.476	682.114	681.972	685.017	681.910	683.618	682.919
29.5	675.158	677.441	675.972	678.671	678.503	678.689	682.061	679.972	680.954	679.052
30.0	670.795	674.733	669.750	676.078	674.175	675.874	678.742	676.370	676.662	673.963
30.5	668.379	671.317	664.308	671.494	670.308	672.538	675.025	672.839	672.688	668.971
31.0	665.591	667.396	659.971	666.600	666.786	669.432	671.865	669.918	669.042	664.148
31.5	662.723	662.980	657.573	662.015	663.989	665.485	668.193	667.184	665.909	658.909
32.0	659.272	658.909	655.900	657.502	660.520	661.582	663.299	664.007	662.874	655.210
32.5	655.316	655.130	654.219	652.156	657.635	658.325	658.714	660.865	659.157	651.263
33.0	651.165	651.236	651.351	647.864	654.997	653.670	656.104	657.564	654.103	647.678
33.5	646.537	647.200	647.333	644.315	650.546	649.094	652.749	652.811	648.785	643.625
34.0	642.899	642.749	642.262	641.200	646.439	645.023	648.112	647.280	644.032	640.368
34.5	639.784	638.536	637.766	638.050	642.475	642.563	642.271	640.474	641.563	638.076
35.0	635.041	634.749	634.041	636.642	638.908	640.837	637.687	633.917	639.430	636.572
35.5	629.837	631.155	630.713	633.580	633.687	637.377	634.403	628.235	636.784	634.979
36.0	625.323	627.792	629.235	630.695	629.536	632.766	632.023	624.155	633.855	631.934
36.5	620.606	624.350	627.412	627.058	624.421	627.934	628.580	623.111	630.235	627.934
37.0	615.040	620.305	622.013	621.491	619.898	622.872	623.757	621.403	624.810	624.314
37.5	609.792	615.447	615.314	615.394	616.579	618.597	619.181	618.367	619.606	619.686
38.0	606.207	610.473	609.022	611.022	611.871	614.181	615.243	612.836	614.703	612.747
38.5	602.880	603.915	603.101	607.437	605.597	608.845	611.774	607.473	609.942	606.216
39.0	597.844	597.862	599.499	603.207	601.349	602.959	607.402	604.039	604.384	601.154
39.5	593.224	594.056	595.977	598.623	597.472	596.924	602.234	600.791	600.172	596.437
40.0	588.144	590.746	591.003	593.313	593.154	592.366	596.561	596.251	597.623	594.339
40.5	582.649	586.233	584.861	587.242	586.905	587.897	590.525	592.384	594.384	594.233
41.0	576.799	581.020	580.038	581.852	581.507	583.507	585.649	588.162	594.508	598.720
41.5	571.860	576.135	577.985	578.914	581.542	580.648	579.471	586.127	589.976	599.579
42.0	571.852	580.666	579.286	585.224	579.418	580.197	573.710	581.985	583.365	590.189
42.5	570.117	581.401	574.993	585.463	575.604	573.861	572.126	571.303	581.206	574.993
43.0	569.391	570.577	571.436	575.064	574.020	560.417	571.135	560.143	573.338	561.488
43.5	567.188	552.107	568.250	560.249	568.374	548.373	562.621	549.443	561.072	560.267
44.0	553.718	535.664	558.612	545.107	553.647	538.859	546.514	549.992	549.435	561.674
44.5	533.328	532.425	540.762	541.576	539.735	540.071	535.956	551.585	541.346	553.691
45.0	516.451	542.770	525.672	541.027	525.584	542.284	529.035	547.063	534.708	539.815
45.5	506.627	542.921	514.743	535.496	518.787	538.806	525.044	537.434	524.371	523.823
46.0	501.990	528.478	511.972	525.115	515.645	525.159	518.796	518.212	519.867	506.096
46.5	505.158	515.026	508.255	507.919	518.044	508.955	517.513	499.574	525.557	499.326
47.0	519.371	498.972	508.291	491.529	521.079	498.352	526.699	496.821	526.540	504.025
47.5	524.124	492.679	515.070	490.671	518.052	504.432	528.478	499.919	518.787	509.017
48.0	510.070	494.910	515.636	500.105	505.317	510.495	514.265	502.105	511.751	511.707
48.5	490.786	500.981	507.008	509.459	497.122	506.521	505.565	506.140	504.512	508.441
49.0	483.794	495.450	496.812	502.140	493.556	498.335	500.866	501.777	497.476	499.273
49.5	485.998	490.051	484.918	482.511	485.051	486.511	491.193	490.653	489.113	496.087
50.0	481.909	487.122	472.112	469.820	475.086	484.458	479.236	494.989	476.873	498.636
50.5	467.846	479.732	459.625	477.829	466.687	488.750	461.926	503.052	467.085	495.299
51.0	451.430	470.554	453.518	484.272	452.686	483.422	446.341	490.494	458.784	482.298
51.5	440.296	459.200	446.766	473.015	440.942	463.961	434.393	469.466	448.306	461.917
52.0	433.446	440.872	439.456	449.969	434.871	445.031	430.083	443.403	447.323	450.642
52.5	433.314	428.641	434.084	430.880	429.384	430.446	435.668	430.579	453.607	442.739
53.0	441.562	422.499	438.694	422.809	432.597	423.198	444.766	420.499	451.695	426.543
53.5	445.597	420.083	449.837	427.508	450.182	418.366	455.297	408.144	456.810	417.384
54.0	440.580	420.729	453.686	420.083	449.483	410.144	452.138	394.002	453.332	417.260
54.5	421.764	409.950	433.977	407.711	433.862	401.923	437.686	392.860	434.039	407.578

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55.0	407.693	394.117	411.808	398.038	421.074	418.074	420.437	406.436	411.436	400.878
55.5	402.002	397.719	395.082	394.781	418.216	404.790	393.126	414.578	391.223	400.303
56.0	392.834	400.445	384.886	397.843	394.807	397.321	394.312	394.126	384.055	396.790
56.5	378.364	384.984	367.372	386.338	365.939	378.665	381.612	369.585	374.886	385.586
57.0	358.965	361.611	361.744	377.904	346.168	363.939	356.974	364.514	360.266	381.240
57.5	344.769	352.159	352.628	364.523	339.114	357.106	340.982	357.761	345.106	371.788
58.0	334.247	341.079	346.451	351.407	333.680	341.849	326.662	356.168	334.141	350.106
58.5	328.406	327.415	333.362	341.451	331.742	336.406	326.415	347.336	329.689	324.795
59.0	325.282	318.069	317.095	322.600	335.167	324.069	329.255	330.282	334.141	309.139
59.5	325.317	311.201	313.246	307.024	321.273	309.830	329.636	305.307	341.840	315.821
60.0	325.813	311.485	305.281	315.104	316.290	304.989	328.300	293.130	343.168	311.847
60.5	315.520	312.963	317.520	310.113	325.291	300.316	327.972	302.245	334.300	301.696
61.0	306.776	301.148	306.909	299.873	321.264	295.988	317.016	295.581	309.458	294.156
61.5	300.626	283.970	296.263	299.280	300.608	281.775	305.121	291.882	310.679	278.545
62.0	296.502	276.270	292.245	283.191	287.519	272.253	302.865	280.660	309.555	275.607
62.5	288.156	279.333	297.440	263.916	284.333	277.970	292.988	262.872	281.554	288.802
63.0	273.093	261.933	287.094	263.880	287.359	267.075	283.288	278.394	262.199	284.651
63.5	261.792	249.127	268.695	264.562	269.553	259.155	265.181	285.696	251.800	267.332
64.0	243.844	248.110	248.437	252.384	263.119	247.101	243.074	262.960	228.454	258.792
64.5	237.729	238.092	238.269	237.313	246.791	239.508	236.410	237.525	217.878	234.596
65.0	219.905	233.976	225.932	237.171	226.153	233.445	232.206	216.542	215.798	217.418
65.5	205.541	226.188	207.479	242.331	207.338	228.799	210.931	202.453	221.931	206.931
66.0	210.842	213.179	197.470	225.162	200.621	214.816	209.028	201.037	215.639	200.532
66.5	202.585	201.621	199.098	211.568	198.682	205.692	204.506	191.364	208.931	192.824
67.0	197.258	186.266	194.408	204.612	191.549	193.390	205.816	188.824	202.895	196.311
67.5	188.178	180.425	195.010	187.885	187.186	189.682	203.638	197.780	198.798	185.753
68.0	181.266	170.469	178.035	168.238	185.319	184.160	186.496	187.062	176.929	184.230
68.5	172.079	162.415	170.486	163.530	170.778	164.309	180.894	173.664	163.415	170.628
69.0	156.061	154.592	166.946	155.583	174.186	153.370	158.079	149.299	160.043	159.663
69.5	144.078	146.016	158.742	142.644	158.424	158.141	143.246	151.893	154.167	138.936
70.0	129.378	138.370	147.583	140.742	153.494	144.689	144.768	154.424	147.397	122.449
70.5	121.758	134.715	140.113	139.892	144.211	136.299	140.653	143.874	132.440	131.599
71.0	120.236	124.458	129.511	140.742	129.865	129.325	130.697	125.997	132.051	135.361
71.5	114.289	123.192	104.979	135.901	110.917	126.953	122.121	110.678	118.900	119.705
72.0	107.793	112.811	99.934	122.316	103.695	117.519	114.714	106.111	104.173	111.537
72.5	99.492	99.058	99.916	108.943	102.076	109.528	109.545	99.120	108.970	116.953
73.0	84.252	89.465	96.624	98.607	96.129	98.492	101.872	106.952	97.377	94.615
73.5	85.597	84.349	94.288	87.978	93.589	93.996	91.960	103.563	94.925	81.632
74.0	78.137	80.597	83.394	73.234	95.288	84.801	87.960	85.633	89.934	82.066
74.5	77.083	73.110	78.792	69.136	80.960	80.827	79.677	69.906	75.313	77.075
75.0	62.552	66.366	69.570	71.287	68.933	71.402	76.004	65.932	64.658	62.826
75.5	60.330	56.967	56.144	68.596	66.393	60.711	64.101	65.357	69.003	65.596
76.0	54.259	52.206	51.392	68.145	60.454	63.915	58.605	65.198	58.560	58.490
76.5	48.073	47.463	46.666	52.870	54.348	55.720	53.295	57.304	52.233	51.339
77.0	41.887	42.710	41.940	45.400	48.241	47.480	47.976	49.348	46.126	44.188
77.5	35.701	37.958	37.214	37.993	42.144	39.250	42.666	41.400	40.020	37.037
78.0	29.524	23.355	30.285	30.577	36.037	31.019	37.347	33.444	33.913	29.886
78.5	23.479	26.931	29.718	23.169	29.329	22.780	29.143	25.479	27.798	24.656
79.0	18.567	23.992	18.691	25.621	21.921	24.718	24.868	23.559	24.939	19.258
79.5	14.824	16.532	15.939	20.674	15.222	22.700	21.134	19.213	18.974	20.089
80.0	13.222	13.328	15.036	13.540	16.726	15.992	12.178	20.470	15.594	15.788
80.5	10.098	9.894	10.231	11.585	12.434	10.567	14.461	9.859	14.310	10.027
81.0	8.443	8.947	8.859	12.080	9.469	10.717	8.514	10.549	9.045	11.841
81.5	8.142	7.753	7.726	8.142	7.531	7.593	9.868	6.876	8.823	8.257
82.0	6.186	6.549	6.522	7.399	7.337	8.407	7.301	7.478	6.646	6.345
82.5	5.558	5.885	5.894	5.903	6.691	5.983	5.841	5.903	6.098	5.876

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CANDELA TABULATION - (Cont.)

83.0	5.027	5.248	5.275	5.425	6.045	5.434	5.390	5.434	5.620	5.452
83.5	4.496	4.611	4.664	5.027	5.390	5.018	4.991	5.044	5.133	5.027
84.0	3.965	3.974	4.053	4.682	4.735	4.602	4.593	4.646	4.655	4.602
84.5	3.690	3.717	3.699	4.336	4.089	4.186	4.195	4.257	4.248	4.248
85.0	3.425	3.451	3.496	3.991	3.744	3.850	3.859	3.859	3.850	3.912
85.5	3.213	3.213	3.239	3.646	3.513	3.602	3.593	3.602	3.584	3.682
86.0	3.036	2.991	2.982	3.336	3.221	3.398	3.425	3.381	3.416	3.425
86.5	2.885	2.805	2.832	3.159	3.053	3.159	3.221	3.195	3.248	3.283
87.0	2.788	2.761	2.752	3.168	2.938	3.089	3.053	3.009	3.036	3.115
87.5	2.841	2.743	2.655	3.036	2.814	2.974	3.018	2.929	2.938	3.027
88.0	2.832	2.584	2.566	2.965	2.673	2.841	2.938	2.823	2.823	3.044
88.5	2.699	2.416	2.451	2.920	2.584	2.708	2.823	2.735	2.690	3.000
89.0	2.451	2.336	2.345	2.859	2.451	2.602	2.699	2.655	2.611	2.814
89.5	2.301	2.230	2.186	2.646	2.354	2.549	2.540	2.549	2.496	2.735
90.0	2.133	2.106	2.062	2.505	2.239	2.381	2.389	2.398	2.345	2.522
90.5	1.974	1.965	1.974	2.363	2.115	2.212	2.274	2.266	2.204	2.319
91.0	1.832	1.823	1.823	2.115	2.009	2.089	2.124	2.124	2.080	2.195
91.5	1.664	1.699	1.699	1.938	1.850	1.938	1.982	1.982	1.920	1.991
92.0	1.522	1.566	1.558	1.752	1.726	1.779	1.832	1.823	1.805	1.832
92.5	1.398	1.443	1.443	1.602	1.558	1.637	1.664	1.664	1.664	1.699
93.0	1.292	1.319	1.319	1.469	1.434	1.513	1.531	1.531	1.549	1.575
93.5	1.195	1.221	1.230	1.354	1.319	1.381	1.398	1.416	1.434	1.451
94.0	1.097	1.133	1.133	1.239	1.212	1.274	1.292	1.310	1.327	1.345
94.5	1.018	1.053	1.053	1.142	1.124	1.177	1.195	1.212	1.239	1.248
95.0	0.938	0.973	0.973	1.053	1.044	1.097	1.106	1.124	1.150	1.159
95.5	0.876	0.903	0.912	0.973	0.965	1.009	1.027	1.044	1.071	1.071
96.0	0.814	0.841	0.850	0.903	0.903	0.929	0.947	0.965	0.982	0.991
96.5	0.761	0.779	0.788	0.832	0.841	0.858	0.876	0.885	0.903	0.912
97.0	0.708	0.726	0.735	0.770	0.779	0.796	0.805	0.823	0.832	0.832
97.5	0.664	0.681	0.690	0.717	0.726	0.743	0.752	0.752	0.761	0.770
98.0	0.611	0.637	0.637	0.664	0.673	0.690	0.699	0.699	0.708	0.708
98.5	0.575	0.593	0.593	0.619	0.628	0.637	0.646	0.646	0.646	0.655
99.0	0.540	0.549	0.558	0.575	0.593	0.593	0.593	0.593	0.602	0.602
99.5	0.496	0.513	0.522	0.531	0.549	0.549	0.549	0.558	0.549	0.549
100.0	0.460	0.478	0.478	0.496	0.504	0.513	0.513	0.513	0.504	0.504
100.5	0.434	0.442	0.442	0.451	0.469	0.478	0.478	0.478	0.469	0.460
101.0	0.398	0.407	0.407	0.425	0.434	0.442	0.442	0.442	0.425	0.425
101.5	0.372	0.372	0.381	0.389	0.398	0.407	0.407	0.398	0.389	0.389
102.0	0.336	0.345	0.345	0.354	0.363	0.372	0.372	0.363	0.363	0.354
102.5	0.310	0.310	0.319	0.319	0.327	0.336	0.336	0.336	0.327	0.327
103.0	0.274	0.283	0.283	0.292	0.292	0.292	0.301	0.301	0.292	0.292
103.5	0.248	0.257	0.257	0.257	0.265	0.265	0.265	0.265	0.265	0.257
104.0	0.221	0.221	0.230	0.230	0.239	0.239	0.239	0.239	0.239	0.239
104.5	0.195	0.204	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212
105.0	0.177	0.177	0.186	0.186	0.186	0.186	0.195	0.186	0.186	0.186
105.5	0.159	0.159	0.159	0.168	0.168	0.168	0.168	0.168	0.168	0.159
106.0	0.133	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142
106.5	0.115	0.115	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124
107.0	0.097	0.097	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.097
107.5	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
108.0	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
108.5	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
109.0	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
109.5	0.097	0.097	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088
110.0	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097
110.5	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097

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111.0	0.106	0.097	0.106	0.097	0.097	0.097	0.097	0.097	0.097	0.097
111.5	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106
112.0	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.106
112.5	0.115	0.115	0.115	0.106	0.106	0.106	0.106	0.115	0.115	0.115
113.0	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
113.5	0.124	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
114.0	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124
114.5	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124	0.124
115.0	0.133	0.133	0.133	0.124	0.124	0.124	0.124	0.133	0.133	0.133
115.5	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133
116.0	0.142	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133
116.5	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142
117.0	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142
117.5	0.150	0.150	0.150	0.150	0.142	0.142	0.142	0.150	0.142	0.150
118.0	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150
118.5	0.159	0.159	0.159	0.150	0.150	0.150	0.150	0.150	0.150	0.150
119.0	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159
119.5	0.168	0.168	0.168	0.159	0.159	0.159	0.159	0.159	0.159	0.159
120.0	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168
120.5	0.177	0.177	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168
121.0	0.177	0.177	0.177	0.177	0.177	0.177	0.177	0.177	0.177	0.177
121.5	0.186	0.186	0.177	0.177	0.177	0.177	0.177	0.177	0.177	0.177
122.0	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186
122.5	0.195	0.195	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186
123.0	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
123.5	0.204	0.204	0.204	0.195	0.195	0.195	0.195	0.195	0.195	0.195
124.0	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204
124.5	0.212	0.212	0.212	0.204	0.204	0.204	0.204	0.204	0.204	0.212
125.0	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212
125.5	0.221	0.221	0.221	0.221	0.212	0.212	0.212	0.212	0.212	0.221
126.0	0.221	0.221	0.221	0.221	0.221	0.221	0.221	0.221	0.221	0.221
126.5	0.230	0.230	0.230	0.230	0.230	0.221	0.230	0.230	0.230	0.230
127.0	0.239	0.239	0.239	0.230	0.230	0.230	0.230	0.230	0.230	0.230
127.5	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239
128.0	0.248	0.248	0.248	0.248	0.239	0.239	0.239	0.248	0.239	0.248
128.5	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248
129.0	0.257	0.257	0.257	0.257	0.257	0.257	0.257	0.257	0.257	0.257
129.5	0.265	0.265	0.265	0.265	0.257	0.257	0.257	0.257	0.257	0.265
130.0	0.265	0.274	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265
130.5	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274
131.0	0.283	0.283	0.283	0.283	0.274	0.283	0.283	0.283	0.283	0.283
131.5	0.292	0.292	0.292	0.292	0.283	0.283	0.283	0.283	0.283	0.283
132.0	0.301	0.301	0.292	0.292	0.292	0.292	0.292	0.292	0.292	0.292
132.5	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
133.0	0.310	0.310	0.310	0.310	0.301	0.301	0.301	0.310	0.310	0.310
133.5	0.319	0.319	0.319	0.310	0.310	0.310	0.310	0.310	0.310	0.310
134.0	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319
134.5	0.327	0.327	0.327	0.327	0.327	0.327	0.327	0.327	0.327	0.327
135.0	0.336	0.336	0.336	0.327	0.327	0.327	0.327	0.327	0.327	0.327
135.5	0.336	0.336	0.336	0.336	0.336	0.336	0.336	0.336	0.336	0.336
136.0	0.345	0.345	0.345	0.336	0.336	0.336	0.336	0.336	0.336	0.336
136.5	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
137.0	0.354	0.354	0.354	0.354	0.345	0.345	0.345	0.345	0.345	0.345
137.5	0.354	0.363	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354
138.0	0.363	0.363	0.363	0.363	0.363	0.354	0.354	0.363	0.363	0.363
138.5	0.372	0.372	0.372	0.363	0.363	0.363	0.363	0.363	0.363	0.363

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139.0	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372
139.5	0.381	0.381	0.381	0.381	0.372	0.372	0.372	0.381	0.372	0.372
140.0	0.381	0.381	0.381	0.381	0.381	0.381	0.381	0.381	0.381	0.381
140.5	0.389	0.389	0.389	0.389	0.389	0.389	0.389	0.389	0.389	0.389
141.0	0.389	0.389	0.389	0.389	0.389	0.389	0.389	0.389	0.389	0.389
141.5	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398
142.0	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398
142.5	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.407
143.0	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.407
143.5	0.416	0.416	0.416	0.416	0.407	0.407	0.416	0.416	0.407	0.407
144.0	0.416	0.416	0.416	0.416	0.416	0.416	0.416	0.416	0.416	0.416
144.5	0.416	0.416	0.416	0.416	0.416	0.416	0.416	0.416	0.416	0.416
145.0	0.425	0.425	0.425	0.416	0.416	0.416	0.416	0.416	0.416	0.416
145.5	0.425	0.425	0.425	0.425	0.416	0.425	0.425	0.425	0.416	0.416
146.0	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.425
146.5	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.425
147.0	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.425
147.5	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.434	0.425	0.425
148.0	0.434	0.434	0.434	0.425	0.425	0.434	0.434	0.434	0.434	0.425
148.5	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434
149.0	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434
149.5	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.434
150.0	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.442	0.434	0.434
150.5	0.442	0.442	0.442	0.442	0.434	0.442	0.442	0.442	0.434	0.434
151.0	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
151.5	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
152.0	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
152.5	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
153.0	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442
153.5	0.451	0.451	0.451	0.442	0.442	0.442	0.442	0.442	0.442	0.442
154.0	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.442	0.451
154.5	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451
155.0	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451
155.5	0.460	0.460	0.460	0.460	0.451	0.460	0.460	0.460	0.451	0.460
156.0	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460
156.5	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460
157.0	0.460	0.469	0.469	0.460	0.460	0.460	0.460	0.460	0.460	0.460
157.5	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469
158.0	0.469	0.496	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469
158.5	0.469	0.513	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469
159.0	0.469	0.513	0.469	0.469	0.469	0.469	0.469	0.478	0.478	0.469
159.5	0.469	0.487	0.469	0.469	0.478	0.469	0.478	0.478	0.478	0.478
160.0	0.469	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478
160.5	0.469	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.487	0.478
161.0	0.478	0.469	0.478	0.478	0.478	0.478	0.478	0.478	0.487	0.487
161.5	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.487	0.504
162.0	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.487	0.487	0.575
162.5	0.478	0.478	0.478	0.478	0.478	0.487	0.487	0.487	0.487	0.619
163.0	0.487	0.478	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.549
163.5	0.487	0.487	0.487	0.487	0.487	0.487	0.496	0.496	0.496	0.504
164.0	0.487	0.487	0.496	0.496	0.487	0.496	0.496	0.496	0.496	0.504
164.5	0.496	0.496	0.496	0.496	0.496	0.496	0.496	0.504	0.504	0.504
165.0	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.513
165.5	0.513	0.504	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.522
166.0	0.513	0.513	0.513	0.513	0.513	0.522	0.522	0.522	0.522	0.522
166.5	0.513	0.513	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522

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CANDELA TABULATION - (Cont.)

167.0	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.531
167.5	0.522	0.522	0.531	0.522	0.531	0.531	0.531	0.531	0.531	0.531
168.0	0.531	0.531	0.540	0.531	0.531	0.531	0.531	0.531	0.531	0.540
168.5	0.531	0.531	0.540	0.531	0.531	0.531	0.540	0.540	0.540	0.575
169.0	0.531	0.531	0.531	0.531	0.531	0.540	0.540	0.540	0.540	0.717
169.5	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.920
170.0	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.982
170.5	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.779
171.0	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.584
171.5	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540
172.0	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540
172.5	0.540	0.540	0.540	0.540	0.549	0.549	0.549	0.549	0.549	0.549
173.0	0.549	0.549	0.549	0.549	0.549	0.549	0.549	0.558	0.549	0.558
173.5	0.558	0.558	0.558	0.558	0.558	0.566	0.566	0.566	0.566	0.566
174.0	0.575	0.575	0.575	0.575	0.575	0.575	0.575	0.575	0.575	0.575
174.5	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593
175.0	0.602	0.602	0.602	0.602	0.602	0.602	0.602	0.611	0.611	0.611
175.5	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611
176.0	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619
176.5	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628
177.0	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628
177.5	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637
178.0	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637
178.5	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637
179.0	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637
179.5	0.637	0.637	0.646	0.646	0.637	0.637	0.646	0.637	0.646	0.646
180.0	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0.0	776.933	776.933	776.933	776.933	776.933	776.933	776.933	776.933	776.933	776.933
0.5	777.649	777.596	777.552	777.428	777.198	777.039	776.844	776.711	776.508	776.357
1.0	777.871	778.234	778.207	778.039	778.021	777.880	777.446	777.393	776.526	776.207
1.5	778.340	778.552	778.499	778.189	778.269	778.101	777.765	777.579	776.747	776.349
2.0	778.251	778.331	778.296	778.322	778.278	778.065	777.880	777.534	776.941	776.366
2.5	777.561	777.924	777.632	777.862	777.791	777.127	777.057	776.419	776.455	775.906
3.0	776.003	776.534	776.782	776.481	776.720	776.012	776.180	775.879	775.481	774.773
3.5	774.844	775.127	775.251	774.738	775.251	775.163	775.154	775.048	774.481	773.658
4.0	773.924	773.906	773.711	773.189	774.101	774.083	774.021	774.039	773.295	772.747
4.5	773.578	773.446	772.711	772.755	772.826	772.490	773.322	773.233	772.481	771.932
5.0	773.490	773.676	773.570	772.897	771.773	771.251	772.242	772.030	771.437	770.667
5.5	772.534	773.667	773.817	773.030	771.782	771.056	771.614	770.888	769.932	769.198
6.0	772.596	773.977	773.959	772.543	771.083	771.047	771.021	769.985	768.605	767.950
6.5	773.021	774.552	773.791	771.605	770.640	771.304	770.808	768.976	767.410	766.746
7.0	773.393	775.127	773.862	771.720	770.446	771.587	770.047	767.481	765.906	765.215
7.5	773.401	775.242	773.614	771.286	770.711	770.773	768.605	766.003	764.755	764.985
8.0	772.809	774.676	772.401	770.826	769.357	769.375	767.826	764.879	764.020	765.056
8.5	771.508	773.304	770.614	769.729	767.445	768.180	767.136	763.764	763.605	765.498
9.0	768.596	771.012	768.870	768.525	766.720	767.605	766.985	763.481	763.799	766.074
9.5	766.091	768.260	767.339	767.171	766.144	767.569	766.808	763.091	763.498	766.091
10.0	763.746	765.923	765.295	765.498	765.392	767.375	766.224	762.843	763.020	765.189
10.5	761.852	764.339	763.330	763.817	764.242	766.056	765.481	762.693	762.578	763.932
11.0	760.613	762.666	761.047	761.861	762.295	763.994	763.764	761.649	762.003	762.755
11.5	759.595	760.905	759.250	760.242	760.914	761.171	760.631	758.578	759.888	761.410
12.0	758.330	758.710	758.064	758.348	759.339	757.383	756.427	754.365	757.091	759.834

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CANDELA TABULATION - (Cont.)

12.5	757.011	757.710	757.480	756.622	757.056	753.489	752.206	750.869	754.047	757.197
13.0	755.932	756.799	757.162	755.250	754.374	749.976	748.737	748.666	750.489	753.834
13.5	754.772	756.294	756.710	753.825	752.144	747.675	747.276	748.011	747.391	750.197
14.0	754.471	755.737	755.949	753.188	750.515	746.028	747.666	748.029	745.064	747.728
14.5	753.631	754.604	753.524	752.533	749.489	744.692	747.807	748.568	744.108	746.205
15.0	752.170	752.436	750.754	750.728	748.480	743.533	747.055	748.444	743.878	744.595
15.5	750.268	749.630	747.090	748.577	747.781	741.949	745.878	748.055	743.347	743.055
16.0	748.214	746.533	742.816	746.002	747.409	740.497	745.188	747.250	742.683	741.249
16.5	745.506	744.294	739.391	743.188	745.533	739.055	744.037	746.064	741.940	739.639
17.0	742.444	742.754	737.028	740.276	742.657	737.860	741.922	744.241	740.391	738.108
17.5	739.072	741.134	735.736	738.063	738.577	736.939	738.922	742.506	738.382	735.939
18.0	735.205	738.178	735.851	736.355	734.037	735.426	735.656	740.302	736.984	733.497
18.5	732.143	734.798	735.090	734.948	730.700	733.957	732.957	737.647	735.798	732.311
19.0	729.523	732.497	733.895	732.868	728.063	732.329	731.081	734.904	733.833	731.169
19.5	728.435	729.780	732.382	731.382	726.125	730.700	729.355	732.771	730.930	729.479
20.0	727.417	727.541	730.116	729.514	725.054	729.576	727.797	729.151	727.877	727.550
20.5	725.550	726.089	727.081	727.390	723.408	727.762	725.850	726.479	724.116	724.611
21.0	723.700	724.134	724.072	725.877	721.824	725.134	723.231	723.133	720.514	721.505
21.5	721.505	722.470	721.594	724.266	720.505	722.567	719.947	719.452	717.885	717.868
22.0	719.054	720.965	720.505	722.470	718.301	720.036	716.523	716.098	716.761	715.753
22.5	716.523	718.089	719.408	720.293	715.407	717.859	712.460	713.133	715.770	713.868
23.0	713.991	715.151	718.593	716.346	712.496	716.036	708.973	710.779	713.983	712.009
23.5	711.708	713.151	716.797	712.779	710.310	714.160	705.699	708.142	711.797	710.133
24.0	709.283	711.929	713.735	708.788	708.460	710.956	703.540	705.876	708.823	708.566
24.5	707.177	709.558	710.035	705.018	705.858	707.858	701.584	702.557	705.849	707.035
25.0	704.902	706.991	705.841	702.088	703.407	703.876	699.548	699.805	702.301	705.513
25.5	702.557	704.009	701.796	699.646	700.823	699.911	697.371	696.185	699.486	703.743
26.0	699.964	700.752	698.911	697.044	698.292	696.946	695.088	693.132	697.088	702.062
26.5	696.575	697.601	696.699	693.928	697.088	694.185	692.105	691.450	693.690	698.672
27.0	692.849	694.902	695.185	689.256	695.309	691.654	689.884	689.114	691.123	694.716
27.5	690.026	692.132	692.530	685.371	693.070	688.716	687.795	686.441	689.132	689.875
28.0	687.123	689.928	688.804	682.477	689.893	686.176	685.530	684.291	686.185	685.760
28.5	684.176	687.503	684.486	679.114	685.663	684.078	683.087	682.415	682.344	682.450
29.0	681.061	685.565	679.689	675.848	681.273	681.229	680.016	679.140	678.662	679.707
29.5	677.990	683.282	674.981	671.104	677.175	678.175	676.476	675.016	674.051	676.273
30.0	673.901	680.361	670.954	666.237	674.326	675.025	672.317	670.609	670.308	673.175
30.5	669.848	675.883	667.688	663.918	670.857	672.042	668.733	665.847	665.732	669.662
31.0	665.405	669.786	665.139	662.290	667.626	667.626	666.007	661.591	662.529	666.432
31.5	660.086	663.626	662.343	659.484	664.290	663.148	662.237	657.086	658.874	662.219
32.0	654.891	658.236	659.325	657.865	660.856	658.847	658.750	653.325	655.493	657.652
32.5	651.714	654.015	655.564	656.874	657.555	655.590	654.865	648.661	651.351	653.033
33.0	649.103	649.944	651.165	654.342	653.457	651.838	650.351	644.439	648.970	649.024
33.5	648.404	646.492	645.855	650.068	649.209	648.174	645.386	640.678	645.758	644.714
34.0	646.599	642.705	642.351	644.537	643.961	644.475	640.820	636.704	641.775	640.103
34.5	644.492	639.289	639.023	639.448	638.669	639.908	636.253	632.262	636.864	634.881
35.0	641.395	635.518	635.492	634.943	633.368	634.439	632.315	627.987	632.943	629.952
35.5	637.404	633.023	630.793	630.182	629.784	629.270	628.509	624.190	628.890	626.438
36.0	631.200	630.111	626.943	625.084	625.934	623.916	624.403	619.606	625.536	622.721
36.5	625.137	626.500	623.553	620.429	622.757	619.243	619.385	616.438	620.686	618.615
37.0	618.969	622.518	620.155	616.509	618.403	614.880	614.022	612.969	614.960	613.172
37.5	614.093	618.473	615.871	611.659	613.429	611.287	608.570	608.756	609.862	605.623
38.0	610.526	614.084	611.659	606.747	607.818	608.190	604.225	604.641	605.694	600.942
38.5	607.491	608.402	608.623	603.057	601.534	604.482	600.419	599.322	602.889	597.233
39.0	604.278	603.172	605.172	598.517	595.145	599.012	595.968	594.446	597.826	594.092
39.5	600.331	599.552	599.959	591.897	592.260	595.039	594.109	592.534	593.392	592.968
40.0	595.401	595.233	597.207	591.012	595.508	603.004	598.552	599.508	595.809	601.030

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40.5	595.012	595.826	598.853	601.287	597.012	612.093	602.366	609.287	604.827	614.128
41.0	597.154	603.570	599.950	604.924	597.862	604.402	612.110	612.278	612.951	621.403
41.5	599.304	602.959	604.207	598.729	603.154	588.888	613.473	612.544	614.447	614.650
42.0	599.508	594.525	604.782	591.534	602.296	572.976	597.782	596.304	612.898	589.330
42.5	589.144	583.445	592.100	580.002	585.419	559.019	579.206	583.445	606.136	566.365
43.0	575.878	574.480	575.498	575.869	561.223	556.860	563.603	574.542	581.764	560.647
43.5	560.152	567.727	558.603	572.046	540.956	560.063	542.832	565.400	548.196	569.161
44.0	540.983	559.824	540.408	555.037	528.690	555.249	525.186	544.948	522.964	567.250
44.5	528.088	547.780	528.734	538.947	522.584	540.107	522.592	527.203	515.114	546.629
45.0	520.203	530.850	528.832	525.973	523.398	520.460	532.708	515.583	523.743	521.911
45.5	514.043	516.911	535.938	508.105	527.274	508.344	537.868	503.299	536.337	503.052
46.0	513.884	508.459	534.257	494.290	528.071	499.600	530.159	494.724	534.416	489.520
46.5	516.681	504.574	521.079	490.644	527.062	499.255	515.866	495.945	519.575	490.715
47.0	513.990	504.777	505.193	499.087	518.707	504.423	504.069	503.494	500.052	499.538
47.5	510.972	509.282	500.830	511.008	511.999	513.229	497.928	513.415	486.936	510.610
48.0	509.247	514.627	502.627	519.486	506.990	515.813	490.856	518.265	482.635	513.804
48.5	507.273	514.512	497.998	517.451	499.149	515.247	482.352	508.362	481.042	510.017
49.0	503.078	510.902	493.166	513.442	486.732	509.079	472.059	494.919	481.334	503.583
49.5	492.016	503.202	479.431	509.654	473.749	499.441	465.050	490.786	472.962	492.635
50.0	479.086	493.016	465.882	493.228	461.572	486.759	455.660	487.175	457.014	479.652
50.5	466.882	484.086	459.572	471.900	452.173	472.670	450.244	465.085	445.420	469.962
51.0	458.510	476.174	456.439	458.359	451.872	450.483	460.111	448.314	448.739	452.633
51.5	460.465	454.651	461.076	443.049	460.607	437.969	467.731	437.332	461.094	434.659
52.0	459.501	437.739	464.404	430.429	465.200	428.136	465.563	428.331	472.112	422.641
52.5	467.838	429.623	469.271	424.738	457.793	421.304	461.058	411.702	477.493	411.799
53.0	465.891	418.941	463.837	414.260	445.297	408.215	451.093	396.046	463.377	405.365
53.5	452.014	410.835	443.987	409.596	433.411	397.728	439.500	387.780	432.845	403.976
54.0	427.729	410.543	421.074	410.658	419.189	404.011	421.579	396.383	408.374	402.383
54.5	407.410	410.197	402.463	410.065	409.224	415.667	396.436	407.666	396.568	407.675
55.0	394.816	414.720	395.436	408.454	388.303	411.206	381.594	403.029	384.205	406.233
55.5	389.250	411.569	390.444	399.365	364.841	394.878	372.381	393.090	373.399	393.736
56.0	377.037	402.401	379.063	402.232	358.770	376.691	361.726	377.125	355.726	383.391
56.5	364.363	388.108	364.443	383.302	357.788	353.265	348.424	361.053	350.079	376.364
57.0	348.363	372.665	350.141	359.841	350.858	340.468	339.946	347.380	349.168	350.858
57.5	345.531	360.434	339.813	344.938	343.716	334.981	342.052	332.176	342.194	328.539
58.0	340.849	342.194	345.513	333.388	339.539	320.981	345.991	311.414	338.194	325.441
58.5	339.380	328.317	340.291	321.034	335.229	309.670	343.451	310.529	349.628	322.397
59.0	346.522	324.848	321.954	316.361	341.991	309.785	351.292	321.105	360.956	322.662
59.5	350.894	321.733	327.335	317.078	345.955	311.688	343.283	311.600	350.540	310.954
60.0	342.805	326.600	339.548	317.423	335.654	305.157	329.999	284.935	329.140	300.219
60.5	327.521	322.839	329.981	306.537	320.228	294.661	313.617	271.350	308.511	298.342
61.0	312.529	310.458	306.794	292.661	299.325	278.828	293.528	264.571	300.422	282.474
61.5	303.688	293.112	293.165	289.767	297.307	276.748	267.058	272.598	284.589	269.978
62.0	304.413	273.624	285.669	280.094	289.306	283.678	262.624	289.722	259.951	262.765
62.5	284.545	265.385	285.129	272.553	273.500	282.483	251.889	286.997	253.030	261.217
63.0	260.349	263.482	287.793	266.181	254.968	274.828	240.162	252.437	246.419	255.641
63.5	249.207	262.756	265.049	246.809	242.472	251.499	224.657	225.436	239.357	241.605
64.0	246.065	245.809	245.357	232.702	223.303	225.286	222.905	215.860	231.410	228.206
64.5	226.330	231.773	216.993	225.666	217.329	203.975	239.145	200.674	213.338	216.887
65.0	219.834	229.268	193.797	214.949	211.161	192.204	213.126	195.594	204.877	213.365
65.5	195.116	222.648	190.470	213.542	207.515	189.186	192.806	196.452	198.541	194.673
66.0	191.470	218.020	188.080	210.320	204.426	192.072	196.541	185.584	195.957	184.337
66.5	196.594	200.753	197.665	193.045	201.152	188.372	201.160	181.151	178.620	168.442
67.0	213.179	197.036	193.461	188.585	195.098	174.717	174.336	166.884	191.372	160.521
67.5	193.850	178.266	196.541	166.769	158.902	188.248	156.229	163.318	165.106	156.220
68.0	167.849	154.902	189.461	159.167	160.318	152.229	157.079	155.875	157.123	147.830

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68.5	163.663	151.804	152.291	153.379	160.185	130.060	139.184	147.618	149.131	139.449
69.0	169.424	152.698	138.299	135.352	138.892	125.785	135.732	141.830	141.149	131.060
69.5	150.530	136.980	132.661	138.706	124.493	125.511	133.936	116.209	133.157	122.511
70.0	139.724	134.759	133.971	127.661	116.926	126.997	120.316	100.740	125.095	111.218
70.5	124.767	133.865	122.997	120.537	106.280	123.873	116.059	103.695	113.121	119.758
71.0	116.413	124.679	123.820	124.449	115.050	103.102	98.518	100.934	105.802	100.509
71.5	113.289	116.262	99.536	105.350	110.669	98.076	103.430	96.474	86.721	82.004
72.0	105.244	108.404	95.713	103.244	88.951	86.960	91.544	83.199	79.137	78.933
72.5	97.748	102.872	98.492	91.102	82.429	77.791	81.420	85.438	80.730	80.163
73.0	92.367	100.509	94.907	85.341	86.544	77.659	71.641	68.189	66.826	68.720
73.5	94.412	83.694	82.252	72.110	78.774	71.844	63.118	60.481	77.915	60.162
74.0	84.765	68.233	70.030	61.401	66.278	64.339	66.154	56.215	59.251	53.206
74.5	75.446	63.286	75.862	70.561	61.127	58.799	65.056	52.082	55.640	52.755
75.0	68.809	66.782	66.809	59.242	54.383	53.259	58.808	47.949	47.737	52.480
75.5	62.552	61.561	52.144	59.605	47.613	47.728	52.259	43.816	39.949	46.498
76.0	56.835	64.322	47.852	53.879	40.843	42.188	45.719	39.692	42.223	36.648
76.5	51.153	56.445	43.843	48.091	34.064	36.657	39.179	31.533	35.904	28.709
77.0	45.471	48.480	39.825	42.303	36.878	36.196	32.630	27.639	30.108	28.001
77.5	39.790	40.506	35.816	36.515	32.462	28.931	31.488	24.107	24.320	21.293
78.0	34.099	32.541	31.798	30.727	23.037	22.975	19.532	22.284	21.213	18.709
78.5	28.789	24.568	20.355	26.001	21.736	19.603	20.240	18.550	18.116	16.125
79.0	18.753	23.948	18.576	17.744	17.895	15.372	16.072	12.425	15.018	13.540
79.5	15.948	16.178	15.824	13.779	11.921	11.425	12.098	12.009	11.921	10.956
80.0	20.125	12.027	13.532	12.337	9.239	11.124	8.425	8.107	8.841	8.434
80.5	11.337	12.664	10.231	8.877	8.124	7.806	8.186	6.823	7.531	6.894
81.0	7.903	7.956	8.266	9.169	7.797	6.549	6.549	6.319	6.345	6.337
81.5	7.974	7.699	6.496	6.478	7.133	6.098	6.071	5.850	5.912	5.868
82.0	6.399	6.319	5.983	5.929	6.460	5.664	5.620	5.390	5.443	5.372
82.5	5.894	5.894	5.540	5.487	5.797	5.221	5.160	4.921	5.009	4.929
83.0	5.416	5.469	5.106	5.053	5.124	4.788	4.708	4.460	4.522	4.478
83.5	4.938	5.053	4.664	4.620	4.452	4.336	4.319	4.098	4.089	4.044
84.0	4.460	4.629	4.301	4.239	4.044	3.938	3.947	3.770	3.761	3.797
84.5	4.124	4.301	3.965	3.867	3.682	3.637	3.637	3.540	3.513	3.478
85.0	3.903	4.018	3.646	3.602	3.425	3.381	3.460	3.345	3.407	3.274
85.5	3.611	3.735	3.416	3.372	3.221	3.336	3.381	3.195	3.451	3.186
86.0	3.354	3.460	3.248	3.195	3.071	3.204	3.195	3.097	3.195	3.018
86.5	3.204	3.301	3.115	3.089	2.903	3.027	3.036	3.044	3.000	2.850
87.0	3.062	3.168	2.956	2.903	2.752	2.965	2.965	2.903	2.947	2.743
87.5	2.903	3.018	2.859	2.779	2.673	2.867	2.894	2.770	2.920	2.664
88.0	2.770	2.947	2.779	2.770	2.593	2.752	2.779	2.673	2.850	2.540
88.5	2.673	2.797	2.699	2.620	2.487	2.646	2.673	2.540	2.682	2.416
89.0	2.593	2.637	2.673	2.496	2.381	2.496	2.505	2.381	2.478	2.283
89.5	2.451	2.522	2.460	2.363	2.257	2.372	2.319	2.195	2.301	2.124
90.0	2.328	2.398	2.336	2.204	2.124	2.204	2.133	2.044	2.115	1.982
90.5	2.168	2.212	2.186	2.044	1.965	2.035	1.974	1.894	1.956	1.858
91.0	2.097	2.071	2.018	1.912	1.841	1.858	1.805	1.761	1.814	1.752
91.5	1.912	1.912	1.858	1.770	1.708	1.735	1.673	1.637	1.673	1.637
92.0	1.761	1.752	1.699	1.628	1.584	1.593	1.540	1.531	1.566	1.531
92.5	1.628	1.620	1.558	1.513	1.469	1.478	1.443	1.425	1.443	1.416
93.0	1.504	1.513	1.434	1.398	1.354	1.372	1.345	1.327	1.345	1.327
93.5	1.398	1.407	1.336	1.301	1.266	1.274	1.248	1.230	1.257	1.239
94.0	1.301	1.310	1.248	1.212	1.177	1.186	1.159	1.142	1.177	1.159
94.5	1.221	1.212	1.150	1.124	1.097	1.106	1.080	1.062	1.106	1.080
95.0	1.133	1.124	1.071	1.035	1.018	1.027	1.000	0.982	1.035	1.009
95.5	1.044	1.027	0.982	0.956	0.938	0.947	0.920	0.912	0.965	0.938
96.0	0.965	0.947	0.912	0.885	0.867	0.885	0.858	0.850	0.903	0.876

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CANDELA TABULATION - (Cont.)

96.5	0.885	0.867	0.832	0.814	0.796	0.814	0.788	0.788	0.850	0.823
97.0	0.814	0.796	0.770	0.752	0.743	0.752	0.735	0.726	0.796	0.761
97.5	0.752	0.735	0.708	0.690	0.681	0.699	0.681	0.673	0.743	0.717
98.0	0.690	0.673	0.655	0.637	0.628	0.655	0.628	0.628	0.690	0.664
98.5	0.637	0.619	0.602	0.584	0.584	0.602	0.584	0.584	0.637	0.619
99.0	0.593	0.575	0.558	0.540	0.531	0.549	0.540	0.531	0.593	0.575
99.5	0.540	0.531	0.513	0.496	0.487	0.496	0.496	0.496	0.549	0.540
100.0	0.496	0.487	0.469	0.460	0.451	0.451	0.460	0.451	0.513	0.504
100.5	0.460	0.442	0.434	0.425	0.416	0.416	0.425	0.416	0.478	0.469
101.0	0.416	0.407	0.398	0.389	0.389	0.389	0.389	0.381	0.442	0.442
101.5	0.381	0.372	0.363	0.363	0.354	0.354	0.354	0.354	0.416	0.407
102.0	0.354	0.345	0.336	0.336	0.327	0.327	0.327	0.319	0.381	0.372
102.5	0.319	0.310	0.301	0.301	0.301	0.301	0.292	0.283	0.354	0.345
103.0	0.283	0.274	0.274	0.265	0.265	0.265	0.265	0.257	0.319	0.319
103.5	0.257	0.248	0.239	0.239	0.239	0.239	0.239	0.230	0.292	0.292
104.0	0.230	0.221	0.221	0.221	0.221	0.212	0.212	0.212	0.274	0.274
104.5	0.204	0.204	0.204	0.195	0.195	0.195	0.195	0.186	0.248	0.248
105.0	0.186	0.177	0.177	0.177	0.177	0.177	0.168	0.168	0.230	0.230
105.5	0.159	0.159	0.159	0.159	0.159	0.150	0.150	0.142	0.212	0.212
106.0	0.142	0.142	0.133	0.133	0.133	0.133	0.133	0.124	0.195	0.195
106.5	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.106	0.177	0.177
107.0	0.097	0.097	0.097	0.097	0.106	0.097	0.097	0.088	0.159	0.159
107.5	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.159	0.159
108.0	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.159	0.159
108.5	0.088	0.088	0.088	0.088	0.097	0.097	0.097	0.097	0.168	0.168
109.0	0.088	0.088	0.097	0.097	0.097	0.097	0.097	0.097	0.168	0.168
109.5	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.097	0.168	0.177
110.0	0.097	0.097	0.097	0.097	0.097	0.106	0.106	0.106	0.177	0.177
110.5	0.097	0.106	0.097	0.106	0.106	0.106	0.106	0.106	0.177	0.186
111.0	0.106	0.106	0.106	0.106	0.106	0.106	0.106	0.115	0.186	0.186
111.5	0.106	0.106	0.106	0.106	0.106	0.115	0.115	0.115	0.186	0.186
112.0	0.106	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.186	0.195
112.5	0.115	0.115	0.115	0.115	0.115	0.124	0.124	0.124	0.195	0.195
113.0	0.115	0.115	0.115	0.124	0.124	0.124	0.124	0.124	0.195	0.204
113.5	0.124	0.124	0.124	0.124	0.124	0.124	0.133	0.133	0.204	0.204
114.0	0.124	0.124	0.124	0.124	0.133	0.133	0.133	0.133	0.204	0.204
114.5	0.124	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.212	0.212
115.0	0.133	0.133	0.133	0.133	0.133	0.142	0.142	0.142	0.212	0.212
115.5	0.133	0.133	0.133	0.142	0.142	0.142	0.142	0.142	0.212	0.221
116.0	0.142	0.142	0.142	0.142	0.142	0.142	0.150	0.150	0.221	0.221
116.5	0.142	0.142	0.142	0.142	0.150	0.150	0.150	0.150	0.221	0.221
117.0	0.142	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.230	0.230
117.5	0.150	0.150	0.150	0.150	0.150	0.159	0.159	0.159	0.230	0.230
118.0	0.150	0.150	0.159	0.159	0.159	0.159	0.159	0.159	0.230	0.239
118.5	0.159	0.159	0.159	0.159	0.159	0.168	0.168	0.168	0.239	0.239
119.0	0.159	0.159	0.159	0.168	0.168	0.168	0.168	0.168	0.239	0.248
119.5	0.168	0.168	0.168	0.168	0.168	0.177	0.177	0.177	0.248	0.248
120.0	0.168	0.168	0.168	0.177	0.177	0.177	0.177	0.177	0.248	0.248
120.5	0.177	0.177	0.177	0.177	0.177	0.186	0.186	0.186	0.257	0.257
121.0	0.177	0.177	0.177	0.186	0.186	0.186	0.186	0.186	0.257	0.257
121.5	0.186	0.186	0.186	0.186	0.186	0.186	0.195	0.195	0.265	0.265
122.0	0.186	0.186	0.186	0.195	0.195	0.195	0.195	0.195	0.265	0.265
122.5	0.195	0.195	0.195	0.195	0.195	0.195	0.204	0.204	0.274	0.274
123.0	0.195	0.195	0.195	0.204	0.204	0.204	0.204	0.204	0.274	0.283
123.5	0.204	0.204	0.204	0.204	0.204	0.204	0.212	0.212	0.283	0.283
124.0	0.204	0.204	0.204	0.212	0.212	0.212	0.212	0.212	0.283	0.292

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CANDELA TABULATION - (Cont.)

124.5	0.212	0.212	0.212	0.212	0.212	0.221	0.221	0.221	0.292	0.292
125.0	0.212	0.212	0.212	0.221	0.221	0.221	0.221	0.221	0.301	0.301
125.5	0.221	0.221	0.221	0.221	0.221	0.230	0.230	0.230	0.301	0.310
126.0	0.221	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.310	0.310
126.5	0.230	0.230	0.230	0.230	0.230	0.239	0.239	0.239	0.319	0.319
127.0	0.230	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.327	0.327
127.5	0.239	0.239	0.239	0.248	0.248	0.248	0.248	0.248	0.336	0.336
128.0	0.248	0.248	0.248	0.248	0.248	0.257	0.257	0.257	0.336	0.345
128.5	0.248	0.257	0.257	0.257	0.257	0.257	0.257	0.257	0.345	0.354
129.0	0.257	0.257	0.257	0.265	0.265	0.265	0.265	0.265	0.354	0.363
129.5	0.265	0.265	0.265	0.265	0.265	0.274	0.274	0.274	0.363	0.363
130.0	0.265	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.372	0.372
130.5	0.274	0.274	0.274	0.283	0.283	0.283	0.283	0.283	0.381	0.381
131.0	0.283	0.283	0.283	0.283	0.283	0.292	0.292	0.292	0.381	0.389
131.5	0.292	0.292	0.292	0.292	0.292	0.292	0.301	0.301	0.389	0.398
132.0	0.292	0.301	0.301	0.292	0.301	0.301	0.301	0.301	0.398	0.407
132.5	0.301	0.301	0.301	0.301	0.310	0.310	0.310	0.310	0.407	0.416
133.0	0.310	0.310	0.310	0.310	0.310	0.319	0.319	0.319	0.416	0.425
133.5	0.310	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.425	0.434
134.0	0.319	0.319	0.319	0.319	0.327	0.327	0.327	0.327	0.434	0.442
134.5	0.327	0.327	0.327	0.327	0.327	0.336	0.336	0.336	0.442	0.451
135.0	0.327	0.336	0.336	0.336	0.336	0.336	0.336	0.336	0.460	0.460
135.5	0.336	0.336	0.336	0.336	0.345	0.345	0.345	0.345	0.469	0.469
136.0	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.478	0.478
136.5	0.345	0.345	0.345	0.345	0.354	0.354	0.354	0.354	0.487	0.487
137.0	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.496	0.496
137.5	0.354	0.363	0.363	0.363	0.363	0.363	0.363	0.363	0.504	0.504
138.0	0.363	0.363	0.363	0.363	0.363	0.372	0.363	0.372	0.504	0.513
138.5	0.363	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.513	0.522
139.0	0.372	0.372	0.372	0.372	0.372	0.381	0.381	0.381	0.522	0.522
139.5	0.381	0.381	0.381	0.381	0.381	0.381	0.381	0.381	0.531	0.531
140.0	0.381	0.381	0.381	0.381	0.389	0.389	0.389	0.389	0.540	0.540
140.5	0.389	0.389	0.389	0.389	0.389	0.389	0.389	0.398	0.549	0.549
141.0	0.389	0.389	0.398	0.398	0.398	0.398	0.398	0.398	0.558	0.558
141.5	0.398	0.398	0.398	0.398	0.398	0.398	0.407	0.407	0.566	0.566
142.0	0.398	0.398	0.407	0.407	0.407	0.407	0.407	0.407	0.575	0.575
142.5	0.407	0.407	0.407	0.407	0.407	0.407	0.416	0.407	0.584	0.575
143.0	0.407	0.407	0.407	0.407	0.416	0.416	0.416	0.416	0.611	0.584
143.5	0.416	0.416	0.416	0.416	0.416	0.416	0.416	0.416	0.646	0.593
144.0	0.416	0.416	0.416	0.416	0.416	0.416	0.425	0.425	0.664	0.602
144.5	0.416	0.416	0.416	0.416	0.425	0.425	0.425	0.425	0.655	0.602
145.0	0.416	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.628	0.611
145.5	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.619	0.611
146.0	0.425	0.425	0.425	0.425	0.425	0.425	0.425	0.434	0.619	0.619
146.5	0.425	0.425	0.425	0.425	0.425	0.434	0.434	0.434	0.628	0.628
147.0	0.425	0.425	0.425	0.425	0.434	0.434	0.434	0.434	0.628	0.628
147.5	0.425	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.637	0.637
148.0	0.425	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.637	0.637
148.5	0.434	0.434	0.434	0.434	0.434	0.434	0.434	0.442	0.646	0.637
149.0	0.434	0.434	0.434	0.434	0.434	0.434	0.442	0.442	0.646	0.646
149.5	0.434	0.434	0.434	0.434	0.434	0.442	0.442	0.442	0.646	0.646
150.0	0.434	0.434	0.434	0.434	0.442	0.442	0.442	0.442	0.655	0.655
150.5	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.655	0.655
151.0	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.664	0.655
151.5	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.664	0.664
152.0	0.442	0.442	0.442	0.442	0.442	0.451	0.451	0.451	0.664	0.664

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152.5	0.442	0.442	0.442	0.442	0.451	0.451	0.451	0.451	0.673	0.664
153.0	0.442	0.442	0.442	0.442	0.451	0.451	0.451	0.451	0.673	0.673
153.5	0.442	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.673	0.673
154.0	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.673	0.673
154.5	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.451	0.673	0.673
155.0	0.451	0.451	0.451	0.451	0.451	0.460	0.460	0.460	0.673	0.673
155.5	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.673	0.673
156.0	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.673	0.673
156.5	0.460	0.460	0.460	0.460	0.460	0.469	0.469	0.460	0.673	0.673
157.0	0.460	0.469	0.460	0.469	0.469	0.469	0.469	0.469	0.673	0.673
157.5	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.673	0.681
158.0	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.469	0.673	0.681
158.5	0.469	0.469	0.469	0.469	0.469	0.478	0.478	0.469	0.681	0.681
159.0	0.478	0.469	0.469	0.469	0.478	0.478	0.478	0.478	0.681	0.681
159.5	0.504	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.681	0.681
160.0	0.504	0.478	0.478	0.478	0.478	0.478	0.478	0.478	0.681	0.690
160.5	0.496	0.478	0.478	0.478	0.478	0.487	0.478	0.478	0.681	0.690
161.0	0.496	0.478	0.478	0.478	0.478	0.513	0.478	0.478	0.690	0.690
161.5	0.487	0.478	0.478	0.478	0.478	0.513	0.487	0.478	0.690	0.690
162.0	0.487	0.478	0.478	0.478	0.478	0.496	0.487	0.478	0.681	0.690
162.5	0.487	0.487	0.478	0.487	0.487	0.487	0.487	0.487	0.681	0.690
163.0	0.496	0.487	0.487	0.487	0.487	0.487	0.487	0.487	0.681	0.690
163.5	0.496	0.487	0.487	0.487	0.496	0.496	0.496	0.496	0.681	0.681
164.0	0.504	0.496	0.487	0.496	0.496	0.496	0.496	0.496	0.681	0.681
164.5	0.504	0.496	0.496	0.496	0.504	0.504	0.504	0.496	0.681	0.681
165.0	0.513	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.681	0.681
165.5	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.681	0.681
166.0	0.522	0.513	0.513	0.513	0.522	0.522	0.522	0.522	0.681	0.690
166.5	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.681	0.690
167.0	0.531	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.681	0.690
167.5	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.690	0.690
168.0	0.540	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.690	0.690
168.5	0.540	0.540	0.531	0.531	0.531	0.540	0.540	0.540	0.681	0.690
169.0	0.540	0.540	0.540	0.531	0.540	0.540	0.540	0.540	0.681	0.690
169.5	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.681	0.681
170.0	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.681	0.681
170.5	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.673	0.681
171.0	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.673	0.673
171.5	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.549	0.673	0.673
172.0	0.549	0.549	0.540	0.540	0.540	0.540	0.540	0.549	0.673	0.681
172.5	0.549	0.549	0.549	0.549	0.549	0.549	0.549	0.549	0.681	0.681
173.0	0.558	0.558	0.549	0.549	0.549	0.558	0.558	0.549	0.673	0.681
173.5	0.566	0.566	0.566	0.558	0.566	0.566	0.566	0.566	0.673	0.681
174.0	0.575	0.575	0.575	0.575	0.575	0.575	0.575	0.575	0.673	0.681
174.5	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.673	0.681
175.0	0.611	0.611	0.611	0.602	0.602	0.602	0.611	0.611	0.673	0.681
175.5	0.619	0.619	0.619	0.611	0.611	0.611	0.619	0.611	0.673	0.673
176.0	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.673	0.673
176.5	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.664	0.664
177.0	0.637	0.637	0.628	0.637	0.637	0.637	0.628	0.628	0.664	0.664
177.5	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.655	0.655
178.0	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.646	0.655
178.5	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.646	0.646
179.0	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.646	0.646
179.5	0.646	0.637	0.637	0.637	0.637	0.646	0.637	0.637	0.637	0.646
180.0	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	200	210	220	230	240	250	260	270	280	290
0.0	776.933	776.933	776.933	776.933	776.933	776.933	776.933	776.933	776.933	776.933
0.5	776.083	776.172	776.056	775.623	775.764	775.773	775.835	775.809	775.826	776.251
1.0	776.110	775.764	775.419	775.118	775.251	774.968	775.039	775.101	775.525	775.844
1.5	776.127	776.012	775.747	775.295	775.198	774.587	774.472	774.402	774.676	775.127
2.0	776.402	776.402	776.056	775.685	775.455	774.694	774.446	774.189	774.136	774.649
2.5	775.818	776.127	776.074	775.853	775.702	774.623	774.295	774.357	774.145	774.348
3.0	774.676	775.163	775.561	775.375	775.136	774.163	773.986	774.039	774.225	773.986
3.5	773.826	774.348	774.711	774.853	774.738	773.817	773.782	773.543	774.242	773.879
4.0	773.030	773.632	773.932	774.331	774.216	773.251	773.437	773.242	773.481	773.145
4.5	771.959	772.791	773.171	773.605	773.614	772.393	772.428	772.233	772.614	772.366
5.0	770.968	771.463	772.260	772.870	772.525	771.729	771.773	770.375	770.490	770.959
5.5	769.392	769.693	771.136	771.623	771.145	770.348	770.419	769.065	768.941	770.003
6.0	768.162	768.268	770.021	770.977	769.392	768.428	768.569	768.277	768.038	769.561
6.5	767.047	767.153	769.392	769.605	767.826	766.826	767.260	767.268	767.419	769.711
7.0	766.224	767.127	768.384	767.021	766.614	765.844	766.233	766.321	767.268	769.985
7.5	765.941	766.516	766.852	765.038	765.861	765.357	765.587	765.419	766.516	769.826
8.0	766.304	766.313	765.507	763.339	765.419	765.463	764.932	764.463	765.454	768.499
8.5	766.180	765.888	763.826	762.206	765.012	766.286	764.702	763.259	764.206	767.047
9.0	765.932	765.755	762.737	761.109	764.835	765.808	764.304	762.401	763.321	766.737
9.5	765.658	764.720	761.711	761.109	764.144	766.339	763.693	761.905	762.604	765.764
10.0	764.985	762.905	760.719	761.047	763.463	765.596	762.569	761.481	761.728	764.366
10.5	764.401	760.808	759.365	760.303	762.304	764.277	760.967	760.958	761.047	762.339
11.0	763.251	757.994	757.578	758.887	760.941	762.666	758.418	760.357	759.657	760.100
11.5	761.684	755.640	756.321	757.551	759.489	760.879	756.038	759.330	757.082	757.286
12.0	759.180	754.356	754.586	756.277	757.542	758.188	753.684	758.401	754.781	754.560
12.5	756.312	753.454	753.577	755.038	755.427	755.383	753.011	757.941	752.294	751.976
13.0	753.533	752.692	752.586	753.763	753.374	752.622	752.073	757.728	749.453	750.029
13.5	750.639	751.427	751.471	751.958	751.232	750.445	752.144	756.834	747.082	748.223
14.0	748.214	750.268	750.374	749.462	748.595	749.046	752.294	754.887	745.604	747.055
14.5	745.524	748.427	749.020	747.303	747.028	747.878	751.551	752.639	745.719	746.276
15.0	744.117	746.533	747.913	744.904	745.887	746.736	750.117	751.206	745.152	745.639
15.5	743.533	745.648	746.028	743.294	744.789	745.179	748.763	750.719	744.152	744.515
16.0	742.816	744.241	743.958	741.895	743.524	743.568	746.816	749.568	742.550	743.073
16.5	742.134	742.391	741.718	740.241	741.329	741.842	744.763	747.409	739.550	741.957
17.0	741.533	740.541	740.426	738.196	739.187	740.718	742.480	744.188	737.046	740.701
17.5	740.364	738.904	739.028	736.771	736.966	739.125	740.081	740.550	733.771	738.010
18.0	738.789	737.001	737.824	735.860	734.373	736.948	737.630	736.161	731.408	735.329
18.5	737.187	734.957	735.984	734.931	732.107	734.939	734.754	731.603	728.930	732.399
19.0	734.851	732.930	734.550	733.532	730.196	732.762	732.337	729.098	727.488	730.691
19.5	732.683	730.647	733.143	732.576	728.612	730.399	730.267	727.249	725.576	728.249
20.0	729.780	728.718	731.134	730.913	726.204	729.594	728.001	725.771	723.505	725.718
20.5	727.089	725.620	728.196	727.284	722.886	727.771	725.169	722.930	721.903	723.868
21.0	723.930	723.054	725.550	723.045	720.470	725.443	721.514	720.753	719.585	721.948
21.5	721.089	720.744	722.895	718.363	718.735	722.027	718.585	718.319	717.054	718.956
22.0	718.452	718.054	719.744	714.691	717.629	718.177	715.806	716.602	715.567	715.761
22.5	715.522	716.151	716.372	712.460	715.956	714.761	713.115	714.753	715.053	712.876
23.0	713.115	713.708	712.053	710.664	713.841	710.956	710.513	713.965	713.115	710.159
23.5	710.398	710.487	708.177	708.336	710.620	707.965	707.726	711.469	709.885	708.018
24.0	707.965	706.628	705.044	705.920	707.319	705.301	705.513	708.770	706.664	706.398
24.5	705.071	703.761	702.336	703.451	703.239	702.478	702.982	705.318	703.717	704.522
25.0	701.044	700.221	699.663	700.770	699.026	699.327	699.256	701.460	702.026	701.690
25.5	696.911	697.017	697.221	697.858	695.486	696.451	695.389	697.345	700.150	698.265
26.0	694.008	693.574	694.282	695.336	694.132	693.521	692.150	693.734	697.389	695.583

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CANDELA TABULATION - (Cont.)

26.5	691.335	690.167	690.583	692.725	692.300	691.627	689.309	690.388	694.079	692.743
27.0	688.194	686.530	687.335	689.875	689.229	689.123	687.079	686.910	689.601	689.849
27.5	685.132	683.238	684.096	687.070	686.273	685.123	684.769	683.556	685.804	686.601
28.0	682.326	679.193	681.521	684.565	683.247	680.857	681.255	679.990	681.662	682.423
28.5	679.131	674.264	678.645	681.485	679.574	678.211	678.016	675.972	677.751	678.565
29.0	676.370	668.945	675.370	678.574	674.742	674.494	674.025	672.865	672.334	675.910
29.5	672.237	663.591	671.573	675.821	669.485	671.219	669.476	669.724	668.290	673.034
30.0	667.839	659.405	668.210	671.874	664.546	667.157	664.688	666.157	665.688	669.688
30.5	663.794	656.201	664.485	667.104	660.998	663.069	660.697	662.122	662.511	666.361
31.0	658.449	653.723	661.033	661.679	659.360	659.157	657.971	658.334	658.989	663.042
31.5	654.236	650.422	657.343	656.927	657.820	655.971	655.519	655.174	654.599	657.803
32.0	651.900	648.183	653.342	653.095	656.281	654.617	651.493	652.218	651.015	652.280
32.5	650.457	645.802	649.201	650.271	652.387	652.484	648.616	649.386	649.006	647.431
33.0	648.422	643.085	644.315	647.643	645.917	650.165	646.351	645.448	646.457	644.590
33.5	645.315	639.917	637.970	643.253	639.952	647.085	644.103	641.005	642.952	641.103
34.0	641.492	636.563	631.819	638.404	635.005	641.758	640.413	636.315	638.147	637.793
34.5	636.731	633.439	626.500	633.970	631.890	635.103	635.377	632.085	632.917	633.182
35.0	631.164	630.571	622.367	629.916	628.961	631.465	629.306	629.049	628.394	630.111
35.5	625.748	627.607	620.889	625.713	624.898	628.235	624.863	625.350	624.270	627.093
36.0	621.438	623.190	620.394	622.314	620.686	624.695	620.314	621.093	620.270	623.040
36.5	616.898	618.544	618.102	618.314	616.031	619.695	617.456	616.261	614.464	618.314
37.0	612.340	612.783	614.225	612.898	612.739	614.473	612.199	610.836	609.349	613.429
37.5	608.393	609.101	610.101	608.685	610.367	611.685	607.924	604.641	604.021	608.995
38.0	604.871	606.402	606.128	604.172	606.207	606.473	602.039	600.455	598.419	603.517
38.5	600.906	602.942	601.287	599.614	600.411	599.278	596.446	596.092	594.578	599.357
39.0	596.835	599.481	594.950	595.224	594.755	594.012	593.454	592.038	590.251	595.207
39.5	592.145	594.932	589.383	590.180	590.322	587.844	591.525	589.321	585.162	590.153
40.0	595.552	598.782	593.198	590.959	592.118	589.162	591.286	589.233	582.675	585.162
40.5	601.455	609.349	595.809	603.446	599.039	599.198	592.844	595.932	588.366	585.755
41.0	609.278	614.093	599.720	611.429	602.278	603.561	594.198	601.446	593.552	595.127
41.5	613.845	607.473	609.995	604.552	608.278	595.587	601.189	592.277	592.791	598.003
42.0	607.570	586.764	616.411	587.366	603.694	581.321	602.632	574.869	584.702	587.932
42.5	588.082	572.843	600.083	578.755	584.233	570.675	587.870	566.055	581.303	572.860
43.0	559.497	565.648	564.931	574.533	563.887	569.135	563.258	562.311	570.214	565.011
43.5	536.089	571.984	537.558	566.772	546.080	567.772	545.558	559.532	550.753	552.921
44.0	520.964	563.833	521.362	552.010	528.283	556.727	530.646	556.205	531.416	546.611
44.5	515.194	543.797	519.424	537.859	521.513	535.328	524.557	545.868	526.389	546.169
45.0	520.300	520.114	518.185	517.380	528.947	517.610	524.336	527.708	532.708	537.177
45.5	528.743	500.538	512.167	501.591	532.460	502.468	522.885	508.503	533.947	516.035
46.0	534.850	489.414	510.229	487.405	521.539	488.352	518.309	494.140	527.124	499.326
46.5	533.602	488.573	514.026	482.644	506.680	480.139	510.371	490.998	517.132	489.945
47.0	519.451	492.272	507.424	496.166	496.503	484.228	501.361	496.706	506.388	492.387
47.5	502.299	497.963	497.343	507.645	487.077	494.467	487.520	497.122	493.387	503.724
48.0	491.511	501.591	487.927	504.034	482.343	496.113	480.502	491.706	484.599	508.601
48.5	483.449	505.733	477.360	495.503	479.785	492.529	477.227	489.555	481.343	500.928
49.0	477.387	506.087	467.767	490.839	471.493	477.723	472.050	484.670	478.139	494.520
49.5	471.378	492.812	465.421	482.953	459.775	477.962	465.820	478.458	470.572	487.033
50.0	460.448	487.697	456.412	465.244	454.952	478.440	458.041	471.519	455.996	469.059
50.5	456.067	478.776	448.014	452.793	453.447	457.483	449.208	458.501	451.527	453.138
51.0	451.005	451.421	448.598	436.013	457.881	441.013	446.704	448.527	452.793	443.367
51.5	449.438	429.384	468.953	427.632	452.377	437.022	448.943	434.933	455.979	439.827
52.0	454.731	418.561	459.111	423.180	455.686	419.906	458.403	433.261	452.306	436.659
52.5	458.766	411.826	449.686	412.968	449.677	408.852	451.854	422.676	450.014	423.074
53.0	446.022	414.198	444.031	412.171	446.978	400.896	430.499	411.136	434.225	420.074
53.5	428.676	403.179	431.013	402.640	430.561	398.427	414.286	404.073	407.188	408.932
54.0	422.127	398.754	419.578	401.923	406.507	403.259	409.826	397.418	400.967	399.622

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CANDELA TABULATION - (Cont.)

54.5	397.790	391.586	404.126	400.162	387.736	396.993	392.542	395.993	400.569	399.392
55.0	378.063	389.205	374.222	396.064	371.727	380.205	375.877	394.984	385.966	390.550
55.5	367.080	393.418	356.301	382.285	357.195	370.718	367.771	383.532	365.956	384.621
56.0	352.522	385.860	345.469	367.302	343.654	361.505	356.938	372.426	355.283	379.612
56.5	342.822	364.523	342.592	359.505	334.238	358.151	344.893	364.089	344.663	354.743
57.0	343.300	346.867	342.752	344.584	337.265	350.956	335.495	350.531	336.291	347.637
57.5	335.158	327.618	329.919	334.557	330.494	341.486	330.459	332.397	331.627	342.159
58.0	329.636	315.972	334.229	320.007	330.176	317.662	330.494	316.007	331.565	335.672
58.5	329.477	314.547	336.504	313.016	327.547	297.519	330.910	311.175	333.680	324.273
59.0	335.123	307.776	334.132	295.404	333.601	299.413	328.485	304.723	325.087	308.086
59.5	337.238	300.617	327.654	293.183	326.494	294.439	319.565	294.793	313.971	301.812
60.0	316.892	301.661	306.139	286.041	305.537	283.350	310.387	284.235	306.493	295.847
60.5	290.528	298.829	288.315	274.757	303.564	269.898	317.671	279.368	299.050	299.617
61.0	282.908	274.660	285.395	276.598	286.050	273.084	297.882	273.545	287.510	279.058
61.5	276.262	264.845	282.386	268.943	265.394	273.235	269.828	275.040	275.766	271.943
62.0	280.058	265.535	270.483	266.013	260.305	284.315	252.004	285.643	268.580	261.739
62.5	260.243	249.818	255.137	256.818	244.941	268.580	239.578	256.907	264.420	253.137
63.0	230.870	236.189	229.410	234.047	230.038	237.030	222.055	240.994	242.994	247.092
63.5	220.852	230.560	217.099	215.143	218.551	209.789	217.206	227.410	227.728	229.587
64.0	208.674	219.276	211.373	210.373	203.488	201.072	215.639	219.391	211.285	217.949
64.5	199.895	204.692	198.603	202.745	203.453	197.187	212.586	210.754	195.435	217.533
65.0	187.717	201.240	189.036	189.213	199.629	188.868	202.293	192.098	190.054	212.842
65.5	187.080	195.532	186.762	183.611	197.842	185.124	200.497	183.186	190.850	203.922
66.0	195.213	191.302	184.965	183.283	193.877	185.160	186.629	178.327	193.001	185.301
66.5	185.434	173.805	175.717	163.442	181.965	169.716	171.575	178.761	181.735	175.212
67.0	169.177	163.079	158.353	155.061	167.353	160.796	160.822	167.185	168.247	164.389
67.5	159.849	143.211	150.335	146.680	152.742	151.866	143.963	155.627	157.247	156.795
68.0	147.945	137.440	142.317	138.290	138.131	142.945	136.387	144.060	146.237	149.193
68.5	136.033	131.653	134.290	129.909	123.617	134.024	128.812	132.493	135.228	141.591
69.0	124.130	125.874	125.404	121.342	122.307	124.812	121.236	121.404	124.227	133.989
69.5	112.245	120.236	104.970	109.421	127.316	108.129	113.669	117.298	113.315	126.343
70.0	101.279	118.298	101.527	98.244	107.970	98.669	106.032	108.563	106.572	112.696
70.5	90.889	97.748	95.022	104.076	95.217	93.544	94.465	105.492	102.120	107.908
71.0	87.403	96.208	97.368	84.500	84.093	88.102	89.951	96.553	93.385	104.784
71.5	88.456	90.509	84.128	80.862	79.694	83.942	84.889	83.270	85.951	97.385
72.0	94.412	78.995	72.260	73.712	73.924	76.809	78.305	80.225	84.429	87.872
72.5	70.995	63.543	70.145	72.119	68.269	68.357	67.720	73.004	76.013	74.703
73.0	64.915	57.313	62.401	63.534	70.225	61.038	61.888	68.402	74.021	66.127
73.5	58.773	57.215	60.667	51.312	60.640	52.666	57.162	60.481	64.897	62.145
74.0	51.410	58.675	51.941	51.197	50.064	53.861	54.737	52.507	59.516	62.357
74.5	48.578	46.126	44.312	47.480	39.807	42.586	49.613	51.215	50.454	59.985
75.0	43.409	41.294	40.896	45.356	36.966	41.383	43.861	48.781	43.878	49.330
75.5	35.648	37.232	35.568	34.772	36.692	36.630	38.843	38.984	42.763	44.896
76.0	36.320	38.064	31.957	29.586	34.674	33.736	33.364	35.382	32.161	42.418
76.5	28.205	25.479	29.771	26.143	26.975	30.276	27.727	31.055	35.727	28.966
77.0	27.665	24.461	21.187	20.116	25.860	22.771	25.355	24.559	28.904	26.807
77.5	24.037	22.806	18.603	17.895	22.506	20.063	22.098	21.629	23.576	25.630
78.0	20.408	19.824	16.018	15.673	19.151	17.355	18.842	18.709	20.620	22.311
78.5	16.780	16.842	13.434	13.452	15.797	14.638	15.585	15.780	17.656	19.001
79.0	13.151	13.859	10.850	11.222	12.452	11.930	12.319	12.859	14.700	15.691
79.5	9.620	10.877	8.354	9.018	9.107	9.231	9.098	9.983	11.744	12.381
80.0	8.133	7.965	7.868	7.425	7.753	7.832	8.620	8.531	8.850	9.124
80.5	6.761	6.770	6.505	6.425	6.593	6.673	6.912	7.514	7.779	8.549
81.0	6.177	6.213	5.929	5.921	6.027	6.062	6.319	6.328	6.540	6.850
81.5	5.708	5.770	5.407	5.469	5.514	5.540	5.761	5.797	5.938	6.195
82.0	5.239	5.328	4.974	4.938	4.983	5.036	5.230	5.345	5.452	5.682

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CANDELA TABULATION - (Cont.)

82.5	4.735	4.806	4.522	4.452	4.460	4.540	4.744	4.841	4.956	5.168
83.0	4.221	4.301	4.009	3.982	4.036	4.142	4.283	4.336	4.452	4.726
83.5	3.850	3.965	3.628	3.637	3.690	3.770	3.956	4.027	4.098	4.372
84.0	3.575	3.682	3.390	3.363	3.434	3.478	3.690	3.770	3.814	4.044
84.5	3.301	3.398	3.159	3.151	3.230	3.283	3.434	3.451	3.505	3.779
85.0	3.133	3.230	2.991	3.000	3.106	3.142	3.230	3.248	3.239	3.478
85.5	3.027	3.089	2.850	2.876	3.009	3.009	3.071	3.115	3.062	3.239
86.0	2.885	2.912	2.690	2.743	2.832	2.938	2.885	3.053	2.912	3.071
86.5	2.726	2.814	2.584	2.628	2.726	2.947	2.726	3.053	2.788	2.956
87.0	2.602	2.735	2.513	2.566	2.646	2.859	2.593	3.000	2.690	2.814
87.5	2.487	2.549	2.381	2.434	2.558	2.664	2.487	2.956	2.549	2.637
88.0	2.372	2.389	2.266	2.301	2.425	2.505	2.363	2.673	2.407	2.478
88.5	2.257	2.266	2.168	2.168	2.283	2.310	2.221	2.425	2.257	2.345
89.0	2.142	2.151	2.071	2.044	2.089	2.106	2.071	2.274	2.115	2.186
89.5	2.035	2.018	1.947	1.920	1.912	1.947	1.903	2.053	1.982	2.000
90.0	1.903	1.894	1.805	1.788	1.779	1.797	1.761	1.858	1.797	1.876
90.5	1.779	1.779	1.681	1.681	1.646	1.655	1.628	1.699	1.664	1.743
91.0	1.673	1.681	1.584	1.566	1.513	1.522	1.496	1.558	1.540	1.611
91.5	1.566	1.584	1.487	1.469	1.407	1.398	1.389	1.425	1.416	1.487
92.0	1.469	1.478	1.381	1.363	1.301	1.292	1.283	1.310	1.301	1.363
92.5	1.372	1.372	1.283	1.266	1.212	1.195	1.186	1.212	1.212	1.257
93.0	1.283	1.274	1.195	1.177	1.124	1.106	1.097	1.115	1.124	1.159
93.5	1.204	1.186	1.115	1.089	1.044	1.027	1.018	1.027	1.035	1.071
94.0	1.124	1.106	1.044	1.009	0.965	0.956	0.947	0.947	0.965	0.982
94.5	1.053	1.035	0.982	0.938	0.903	0.885	0.876	0.885	0.894	0.912
95.0	0.982	0.956	0.912	0.876	0.841	0.832	0.814	0.823	0.832	0.850
95.5	0.912	0.885	0.850	0.814	0.779	0.779	0.770	0.761	0.779	0.796
96.0	0.850	0.832	0.796	0.761	0.735	0.726	0.717	0.717	0.735	0.743
96.5	0.796	0.770	0.743	0.717	0.690	0.681	0.673	0.681	0.708	0.708
97.0	0.743	0.717	0.699	0.673	0.646	0.637	0.637	0.646	0.673	0.673
97.5	0.690	0.673	0.655	0.637	0.611	0.602	0.602	0.611	0.646	0.637
98.0	0.646	0.628	0.611	0.593	0.566	0.566	0.575	0.584	0.619	0.611
98.5	0.602	0.584	0.566	0.549	0.531	0.531	0.531	0.549	0.593	0.575
99.0	0.558	0.549	0.531	0.513	0.504	0.496	0.504	0.513	0.558	0.549
99.5	0.522	0.513	0.496	0.487	0.469	0.469	0.478	0.487	0.522	0.513
100.0	0.487	0.478	0.469	0.451	0.451	0.442	0.442	0.460	0.469	0.478
100.5	0.460	0.451	0.434	0.425	0.416	0.416	0.416	0.425	0.434	0.442
101.0	0.425	0.416	0.407	0.398	0.389	0.381	0.389	0.389	0.398	0.398
101.5	0.398	0.389	0.381	0.372	0.363	0.354	0.354	0.354	0.363	0.363
102.0	0.372	0.363	0.354	0.336	0.336	0.327	0.327	0.327	0.327	0.336
102.5	0.345	0.336	0.319	0.310	0.310	0.301	0.301	0.292	0.301	0.301
103.0	0.310	0.310	0.301	0.283	0.283	0.274	0.274	0.274	0.274	0.274
103.5	0.292	0.283	0.274	0.265	0.257	0.257	0.248	0.248	0.257	0.257
104.0	0.265	0.265	0.257	0.248	0.239	0.230	0.230	0.230	0.230	0.239
104.5	0.248	0.239	0.239	0.221	0.221	0.212	0.212	0.204	0.212	0.212
105.0	0.230	0.221	0.212	0.212	0.204	0.195	0.186	0.186	0.195	0.195
105.5	0.212	0.204	0.204	0.195	0.186	0.177	0.168	0.168	0.177	0.177
106.0	0.186	0.186	0.186	0.177	0.168	0.168	0.159	0.159	0.159	0.168
106.5	0.177	0.177	0.168	0.159	0.159	0.159	0.150	0.150	0.150	0.159
107.0	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159
107.5	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159
108.0	0.159	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168
108.5	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168	0.168
109.0	0.168	0.177	0.168	0.177	0.177	0.177	0.177	0.177	0.177	0.177
109.5	0.177	0.177	0.177	0.177	0.177	0.177	0.177	0.177	0.177	0.177
110.0	0.177	0.177	0.177	0.177	0.186	0.186	0.186	0.177	0.177	0.177

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CANDELA TABULATION - (Cont.)

110.5	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186
111.0	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186	0.186
111.5	0.186	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
112.0	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195
112.5	0.195	0.195	0.195	0.195	0.204	0.204	0.204	0.204	0.195	0.195
113.0	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204
113.5	0.204	0.204	0.204	0.204	0.204	0.212	0.204	0.204	0.204	0.204
114.0	0.204	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212
114.5	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212	0.212
115.0	0.212	0.212	0.212	0.221	0.221	0.221	0.221	0.221	0.221	0.221
115.5	0.221	0.221	0.221	0.221	0.221	0.221	0.221	0.221	0.221	0.221
116.0	0.221	0.221	0.221	0.221	0.230	0.230	0.230	0.230	0.230	0.221
116.5	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230
117.0	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230
117.5	0.230	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239
118.0	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239	0.239
118.5	0.239	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248
119.0	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248
119.5	0.248	0.248	0.248	0.257	0.257	0.257	0.257	0.257	0.257	0.257
120.0	0.257	0.257	0.257	0.257	0.257	0.257	0.257	0.257	0.257	0.257
120.5	0.257	0.257	0.257	0.257	0.265	0.265	0.265	0.265	0.265	0.257
121.0	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265	0.265
121.5	0.265	0.265	0.265	0.265	0.274	0.274	0.274	0.274	0.274	0.265
122.0	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274	0.274
122.5	0.274	0.274	0.274	0.283	0.283	0.283	0.283	0.283	0.283	0.283
123.0	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283
123.5	0.283	0.283	0.292	0.292	0.292	0.292	0.292	0.292	0.292	0.292
124.0	0.292	0.292	0.292	0.292	0.301	0.292	0.292	0.292	0.292	0.292
124.5	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
125.0	0.301	0.301	0.301	0.301	0.310	0.310	0.310	0.310	0.310	0.310
125.5	0.310	0.310	0.310	0.310	0.310	0.319	0.319	0.310	0.310	0.310
126.0	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319
126.5	0.319	0.327	0.327	0.327	0.327	0.327	0.327	0.327	0.327	0.327
127.0	0.327	0.327	0.327	0.336	0.336	0.336	0.336	0.336	0.336	0.336
127.5	0.336	0.336	0.336	0.336	0.345	0.345	0.345	0.345	0.345	0.345
128.0	0.345	0.345	0.345	0.345	0.345	0.354	0.345	0.354	0.354	0.345
128.5	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354
129.0	0.363	0.363	0.363	0.363	0.363	0.363	0.363	0.363	0.363	0.363
129.5	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372
130.0	0.381	0.381	0.381	0.381	0.381	0.381	0.381	0.381	0.381	0.381
130.5	0.389	0.389	0.389	0.389	0.389	0.389	0.389	0.389	0.389	0.389
131.0	0.398	0.398	0.398	0.398	0.389	0.398	0.398	0.398	0.398	0.398
131.5	0.407	0.407	0.407	0.407	0.398	0.407	0.407	0.407	0.398	0.398
132.0	0.407	0.416	0.416	0.416	0.407	0.416	0.416	0.407	0.407	0.407
132.5	0.416	0.425	0.425	0.425	0.416	0.425	0.416	0.416	0.416	0.416
133.0	0.425	0.434	0.434	0.434	0.425	0.434	0.434	0.425	0.425	0.425
133.5	0.434	0.442	0.442	0.442	0.434	0.442	0.434	0.442	0.434	0.434
134.0	0.442	0.451	0.451	0.442	0.442	0.451	0.451	0.451	0.442	0.442
134.5	0.451	0.451	0.460	0.451	0.460	0.460	0.460	0.460	0.460	0.451
135.0	0.460	0.460	0.460	0.460	0.469	0.469	0.469	0.469	0.469	0.460
135.5	0.469	0.469	0.469	0.469	0.469	0.478	0.478	0.478	0.469	0.469
136.0	0.478	0.478	0.478	0.478	0.478	0.487	0.487	0.487	0.487	0.478
136.5	0.487	0.487	0.487	0.487	0.487	0.496	0.496	0.487	0.487	0.487
137.0	0.496	0.496	0.496	0.496	0.496	0.504	0.496	0.504	0.496	0.496
137.5	0.504	0.504	0.504	0.504	0.504	0.513	0.504	0.504	0.504	0.504
138.0	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513	0.513

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CANDELA TABULATION - (Cont.)

138.5	0.513	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522	0.522
139.0	0.522	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531
139.5	0.531	0.531	0.531	0.540	0.540	0.540	0.540	0.540	0.540	0.540
140.0	0.540	0.540	0.540	0.549	0.549	0.549	0.549	0.549	0.549	0.549
140.5	0.549	0.549	0.549	0.549	0.549	0.558	0.558	0.549	0.549	0.549
141.0	0.558	0.558	0.558	0.558	0.558	0.558	0.566	0.558	0.558	0.558
141.5	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566
142.0	0.566	0.575	0.575	0.575	0.575	0.575	0.575	0.575	0.575	0.575
142.5	0.575	0.575	0.575	0.575	0.584	0.584	0.584	0.584	0.584	0.584
143.0	0.584	0.584	0.584	0.584	0.593	0.593	0.593	0.593	0.584	0.584
143.5	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593
144.0	0.593	0.602	0.602	0.602	0.602	0.602	0.602	0.602	0.602	0.602
144.5	0.602	0.602	0.602	0.602	0.611	0.611	0.611	0.611	0.611	0.602
145.0	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611	0.611
145.5	0.611	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619
146.0	0.619	0.619	0.619	0.619	0.619	0.628	0.628	0.628	0.619	0.619
146.5	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628
147.0	0.628	0.628	0.628	0.628	0.637	0.637	0.637	0.637	0.637	0.628
147.5	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637
148.0	0.637	0.637	0.637	0.637	0.637	0.646	0.646	0.646	0.637	0.637
148.5	0.637	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646
149.0	0.646	0.646	0.646	0.646	0.646	0.646	0.664	0.655	0.646	0.646
149.5	0.646	0.646	0.646	0.655	0.655	0.655	0.655	0.655	0.655	0.655
150.0	0.655	0.655	0.655	0.655	0.655	0.655	0.664	0.664	0.655	0.655
150.5	0.655	0.655	0.655	0.655	0.664	0.664	0.664	0.664	0.664	0.664
151.0	0.664	0.664	0.664	0.664	0.664	0.664	0.664	0.664	0.664	0.664
151.5	0.664	0.664	0.664	0.664	0.664	0.664	0.673	0.664	0.673	0.664
152.0	0.664	0.664	0.664	0.673	0.673	0.673	0.673	0.673	0.673	0.673
152.5	0.673	0.673	0.673	0.673	0.673	0.673	0.681	0.673	0.673	0.673
153.0	0.673	0.673	0.673	0.673	0.673	0.681	0.681	0.681	0.681	0.681
153.5	0.673	0.673	0.673	0.673	0.681	0.681	0.681	0.681	0.681	0.681
154.0	0.673	0.673	0.673	0.681	0.681	0.681	0.681	0.681	0.681	0.681
154.5	0.673	0.673	0.673	0.681	0.681	0.681	0.681	0.681	0.681	0.681
155.0	0.673	0.673	0.673	0.681	0.681	0.681	0.681	0.681	0.681	0.681
155.5	0.673	0.673	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
156.0	0.673	0.673	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
156.5	0.673	0.673	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
157.0	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.708
157.5	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.717
158.0	0.681	0.681	0.681	0.681	0.681	0.681	0.690	0.690	0.690	0.699
158.5	0.681	0.681	0.681	0.681	0.681	0.681	0.690	0.690	0.690	0.690
159.0	0.681	0.681	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
159.5	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.699	0.690	0.690
160.0	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.708	0.690	0.690
160.5	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.699	0.699	0.699
161.0	0.690	0.690	0.690	0.690	0.690	0.690	0.699	0.699	0.699	0.699
161.5	0.690	0.690	0.690	0.699	0.699	0.699	0.699	0.699	0.699	0.699
162.0	0.690	0.690	0.690	0.699	0.699	0.690	0.699	0.699	0.699	0.699
162.5	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.699	0.699	0.699
163.0	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
163.5	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
164.0	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
164.5	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
165.0	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
165.5	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
166.0	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690

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166.5	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
167.0	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
167.5	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
168.0	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
168.5	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
169.0	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
169.5	0.681	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690	0.690
170.0	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
170.5	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
171.0	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
171.5	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
172.0	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
172.5	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
173.0	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
173.5	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
174.0	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
174.5	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
175.0	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681	0.681
175.5	0.673	0.673	0.673	0.673	0.681	0.681	0.681	0.681	0.681	0.681
176.0	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673
176.5	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673
177.0	0.664	0.664	0.664	0.664	0.664	0.664	0.673	0.673	0.673	0.673
177.5	0.655	0.664	0.655	0.664	0.664	0.664	0.664	0.664	0.664	0.664
178.0	0.655	0.655	0.655	0.655	0.655	0.655	0.655	0.655	0.655	0.655
178.5	0.646	0.646	0.646	0.655	0.655	0.655	0.655	0.655	0.655	0.655
179.0	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646
179.5	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646
180.0	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646	0.646

Vert. Horizontal Angles
Angles

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0.0	776.933	776.933	776.933	776.933	776.933	776.933	776.933
0.5	776.287	776.667	776.871	777.154	777.039	777.304	777.464
1.0	776.154	776.278	776.835	777.180	777.526	777.711	778.003
1.5	775.641	776.437	777.154	777.437	778.163	778.667	778.278
2.0	775.260	775.924	776.738	777.472	778.269	778.827	778.446
2.5	774.543	774.897	775.809	776.428	777.614	778.499	778.039
3.0	773.897	773.658	774.180	775.384	776.915	778.030	777.959
3.5	772.693	772.092	773.198	774.499	775.853	776.880	777.180
4.0	771.853	771.224	772.773	773.950	775.101	775.968	776.340
4.5	770.720	770.614	772.162	773.614	774.481	775.481	775.596
5.0	770.277	769.915	771.649	773.083	774.101	774.994	774.455
5.5	769.959	769.808	771.074	772.198	773.109	773.720	772.596
6.0	769.994	770.127	771.127	771.490	771.251	772.278	771.171
6.5	770.437	770.401	771.003	770.676	769.985	770.109	769.808
7.0	770.207	769.649	770.242	769.755	768.711	768.091	768.366
7.5	769.738	768.445	769.224	769.100	767.693	766.525	767.499
8.0	768.693	766.755	767.472	767.782	766.127	764.569	766.596
8.5	767.516	765.375	764.755	766.171	763.905	763.330	765.826
9.0	766.215	764.675	763.162	764.773	761.348	761.764	764.773
9.5	765.525	763.631	761.233	763.109	760.374	761.047	763.605
10.0	765.410	762.711	759.985	761.472	760.215	760.613	762.773
10.5	763.808	762.427	758.985	759.365	761.162	760.861	761.348
11.0	761.941	761.888	758.985	757.675	760.870	761.100	760.365
11.5	759.870	760.826	758.994	757.135	760.737	759.941	760.224

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CANDELA TABULATION - (Cont.)

12.0	757.914	758.781	758.374	757.286	759.613	758.401	760.029
12.5	755.418	756.569	756.631	756.737	758.286	757.755	758.861
13.0	753.533	754.852	754.188	755.533	756.657	756.958	757.117
13.5	753.170	752.905	751.489	753.701	754.825	756.002	755.454
14.0	753.560	751.577	749.347	751.144	752.480	755.330	753.675
14.5	752.657	750.064	747.329	748.064	750.188	754.693	752.100
15.0	750.206	748.471	745.816	744.674	747.772	753.188	750.436
15.5	746.798	746.356	744.577	741.126	745.595	751.595	748.692
16.0	743.958	744.073	743.621	740.302	743.630	749.710	746.551
16.5	741.285	741.276	742.196	739.125	742.152	747.055	744.002
17.0	738.586	739.524	740.364	738.223	741.276	745.108	742.241
17.5	735.816	739.099	739.072	736.754	739.833	743.550	740.780
18.0	733.851	737.400	737.683	735.338	738.072	742.621	738.754
18.5	732.364	735.568	736.178	733.807	736.391	741.674	736.408
19.0	731.196	733.656	733.355	732.532	734.638	739.895	734.780
19.5	729.302	731.302	730.010	731.028	732.329	737.763	733.107
20.0	727.098	729.390	726.452	728.904	730.160	735.063	731.382
20.5	724.859	727.187	723.514	726.027	728.045	731.975	729.328
21.0	722.815	724.213	721.487	722.417	726.461	729.134	726.789
21.5	721.054	720.965	719.638	719.275	724.983	727.054	723.744
22.0	719.239	718.912	717.469	716.664	722.594	724.072	721.178
22.5	717.815	716.735	715.620	715.328	720.638	719.558	718.708
23.0	715.257	713.682	712.629	713.487	718.257	714.797	716.301
23.5	712.416	711.381	710.832	711.752	715.549	710.089	714.151
24.0	709.717	709.310	709.504	707.991	711.752	706.982	711.947
24.5	705.584	707.575	708.062	704.867	707.646	704.566	709.301
25.0	702.398	705.646	706.141	702.212	703.407	702.398	706.141
25.5	699.486	702.416	702.867	700.557	700.557	700.938	703.575
26.0	697.486	698.867	699.203	698.778	698.380	698.929	699.849
26.5	695.052	694.716	696.203	696.477	695.610	695.982	695.752
27.0	691.990	690.840	692.353	693.654	691.884	692.964	692.459
27.5	686.981	686.397	686.981	690.220	688.680	690.247	690.619
28.0	681.300	682.397	681.503	686.671	685.096	687.087	688.450
28.5	677.644	677.981	675.503	681.742	681.654	683.220	685.185
29.0	675.025	674.998	670.671	676.388	678.114	681.131	680.025
29.5	671.556	672.963	667.308	670.317	675.273	678.468	675.158
30.0	668.210	670.069	664.546	666.095	673.131	674.458	670.795
30.5	666.051	667.671	660.803	664.644	670.786	671.202	668.379
31.0	663.741	664.741	656.298	662.520	668.025	666.989	665.591
31.5	661.564	661.688	653.086	660.812	662.874	662.989	662.723
32.0	657.236	657.573	652.272	658.697	658.263	659.130	659.272
32.5	652.050	654.148	652.289	655.006	654.670	655.803	655.316
33.0	646.758	650.811	651.041	652.519	650.917	651.802	651.165
33.5	643.218	647.537	648.413	648.422	646.882	646.767	646.537
34.0	639.855	644.439	643.227	645.492	643.280	642.041	642.899
34.5	635.979	641.253	636.625	642.457	637.598	638.952	639.784
35.0	631.624	636.687	630.890	638.952	634.094	636.271	635.041
35.5	628.023	631.324	627.076	633.846	630.660	632.890	629.837
36.0	624.226	626.129	624.562	628.368	627.191	628.899	625.323
36.5	620.712	620.350	620.111	622.978	622.987	624.235	620.606
37.0	616.385	614.774	614.659	617.863	619.013	618.996	615.040
37.5	611.252	612.154	609.535	612.190	614.517	614.455	609.792
38.0	606.172	608.597	605.039	605.455	609.712	608.588	606.207
38.5	600.446	603.685	599.764	598.623	604.366	603.207	602.880
39.0	594.729	598.225	594.100	593.233	598.968	598.402	597.844
39.5	589.720	591.941	590.091	588.498	594.747	594.145	593.224

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40.0	587.180	586.144	586.357	585.914	591.490	590.153	588.144
40.5	586.233	583.003	581.595	584.419	588.410	585.914	582.649
41.0	590.463	584.419	582.118	582.498	586.082	582.250	576.799
41.5	592.224	595.578	581.728	587.348	585.914	578.454	571.860
42.0	591.171	594.605	578.507	589.693	584.472	580.967	571.852
42.5	587.587	578.109	580.746	579.454	580.914	585.339	570.117
43.0	576.170	563.179	576.728	556.231	574.719	579.675	569.391
43.5	555.771	551.125	557.223	539.018	567.444	559.975	567.188
44.0	535.965	551.532	533.602	532.009	551.072	547.249	553.718
44.5	520.814	550.895	515.884	536.991	530.195	538.611	533.328
45.0	520.176	547.656	520.106	536.912	513.919	537.337	516.451
45.5	518.017	533.124	531.841	536.779	508.167	529.885	506.627
46.0	514.389	507.273	531.398	525.495	511.132	518.955	501.990
46.5	516.167	491.502	518.539	507.167	517.955	503.954	505.158
47.0	504.273	489.405	509.291	493.175	518.902	494.919	519.371
47.5	483.617	500.600	507.344	493.644	514.574	491.520	524.124
48.0	473.820	513.220	498.963	499.503	502.901	497.193	510.070
48.5	471.077	507.592	486.290	502.114	488.263	505.450	490.786
49.0	472.678	487.219	484.458	495.618	482.918	504.857	483.794
49.5	469.068	470.085	476.723	486.909	481.980	490.848	485.998
50.0	457.598	469.023	465.395	474.590	477.033	480.626	481.909
50.5	451.651	475.785	455.731	471.298	465.368	481.697	467.846
51.0	454.580	467.253	453.589	470.192	450.907	479.564	451.430
51.5	458.722	441.066	455.032	459.076	446.845	461.103	440.296
52.0	459.200	421.818	456.049	436.287	443.898	441.642	433.446
52.5	460.607	424.605	450.969	413.215	440.544	427.216	433.314
53.0	443.031	415.676	437.473	401.595	439.925	415.472	441.562
53.5	423.490	408.410	423.720	406.764	438.084	407.888	445.597
54.0	411.375	402.560	415.994	406.357	430.349	401.887	440.580
54.5	408.277	406.480	421.915	396.825	420.171	401.277	421.764
55.0	397.206	401.640	403.666	403.728	418.614	392.188	407.693
55.5	376.284	388.294	381.462	405.826	405.861	393.126	402.002
56.0	359.947	377.019	361.275	385.453	388.710	389.214	392.834
56.5	355.584	364.567	342.557	369.417	379.860	379.010	378.364
57.0	347.115	354.540	338.751	356.708	364.231	365.310	358.965
57.5	348.212	340.238	338.566	334.149	336.725	357.407	344.769
58.0	342.424	331.052	336.486	333.503	326.317	351.584	334.247
58.5	321.432	324.813	324.149	323.184	326.892	340.097	328.406
59.0	311.635	312.201	327.494	313.485	325.025	327.804	325.282
59.5	322.228	318.450	332.229	301.404	329.919	316.264	325.317
60.0	315.494	305.962	321.680	299.316	328.123	295.855	325.813
60.5	301.767	294.139	297.422	294.236	315.007	304.006	315.520
61.0	292.572	288.970	297.236	281.704	311.069	287.324	306.776
61.5	286.023	293.165	287.351	282.828	320.759	277.138	300.626
62.0	281.147	276.359	288.368	272.907	281.979	272.686	296.502
62.5	272.651	265.562	267.624	262.712	261.907	266.943	288.156
63.0	253.437	257.048	253.314	263.287	258.376	268.323	273.093
63.5	235.038	238.401	236.684	258.252	255.429	266.491	261.792
64.0	226.224	225.516	224.321	242.419	222.993	245.871	243.844
64.5	200.284	215.949	219.507	225.710	210.807	223.852	237.729
65.0	191.381	211.851	215.126	207.276	216.135	222.507	219.905
65.5	191.726	208.311	203.214	198.275	217.489	212.940	205.541
66.0	188.620	187.647	196.497	187.054	202.028	199.329	210.842
66.5	185.779	173.318	179.859	177.735	193.399	191.027	202.585
67.0	185.956	172.902	181.372	181.832	199.125	184.921	197.258
67.5	171.009	163.840	172.460	171.902	189.204	184.797	188.178

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68.0	159.512	156.034	156.318	164.831	160.937	172.858	181.266
68.5	148.016	148.220	147.733	153.990	153.477	169.026	172.079
69.0	136.520	140.414	139.149	143.158	145.998	154.671	156.061
69.5	125.015	132.600	130.573	132.325	138.529	145.149	144.078
70.0	113.607	124.298	121.988	121.820	131.060	135.626	129.378
70.5	108.395	108.005	113.351	120.316	123.484	126.104	121.758
71.0	98.695	108.262	103.713	115.979	114.200	116.519	120.236
71.5	88.881	102.881	95.244	106.970	113.236	105.111	114.289
72.0	87.190	92.500	91.580	93.129	101.527	95.084	107.793
72.5	83.756	87.341	87.261	95.288	97.651	97.722	99.492
73.0	78.712	76.906	81.898	84.004	90.491	97.916	84.252
73.5	74.862	65.437	78.862	75.995	76.322	85.739	85.597
74.0	66.163	63.074	73.614	70.897	77.199	82.455	78.137
74.5	57.622	61.030	58.923	65.543	66.225	70.207	77.083
75.0	52.118	54.835	52.684	60.888	65.561	56.153	62.552
75.5	41.214	50.038	50.799	49.693	58.808	51.312	60.330
76.0	37.683	46.489	51.941	48.702	47.250	53.392	54.259
76.5	37.834	38.046	38.232	43.949	40.967	43.710	48.073
77.0	32.223	32.444	32.851	38.568	34.435	38.143	41.887
77.5	24.169	26.231	26.400	31.683	29.161	34.179	35.701
78.0	21.541	23.337	25.072	25.187	28.408	28.701	29.524
78.5	18.921	20.435	22.134	21.975	24.780	20.930	23.479
79.0	16.302	17.541	19.196	18.753	21.151	18.496	18.567
79.5	13.673	14.638	16.257	15.541	17.523	16.063	14.824
80.0	11.054	11.735	13.328	12.328	13.894	13.629	13.222
80.5	8.452	8.850	10.390	9.213	10.337	11.195	10.098
81.0	7.115	7.407	7.558	8.071	8.682	8.779	8.443
81.5	6.036	6.257	6.487	6.655	7.850	7.761	8.142
82.0	5.558	5.691	5.584	5.744	6.080	6.239	6.186
82.5	5.124	5.257	5.062	5.124	5.221	5.221	5.558
83.0	4.673	4.788	4.602	4.699	4.850	4.797	5.027
83.5	4.310	4.398	4.257	4.381	4.505	4.363	4.496
84.0	4.018	4.106	3.974	4.089	4.159	4.044	3.965
84.5	3.708	3.788	3.628	3.726	3.850	3.779	3.690
85.0	3.451	3.531	3.434	3.487	3.602	3.513	3.425
85.5	3.257	3.345	3.195	3.239	3.381	3.319	3.213
86.0	3.089	3.186	3.000	3.089	3.124	3.089	3.036
86.5	2.991	3.027	2.929	2.982	3.018	2.956	2.885
87.0	2.965	2.859	2.859	3.009	2.885	2.832	2.788
87.5	2.912	2.682	2.752	2.991	2.761	2.770	2.841
88.0	2.841	2.549	2.593	2.920	2.708	2.655	2.832
88.5	2.646	2.425	2.416	2.699	2.611	2.620	2.699
89.0	2.425	2.292	2.248	2.540	2.434	2.478	2.451
89.5	2.239	2.168	2.151	2.363	2.310	2.266	2.301
90.0	2.027	2.027	1.991	2.177	2.159	2.159	2.133
90.5	1.876	1.858	1.832	1.982	1.982	2.009	1.974
91.0	1.708	1.708	1.690	1.850	1.805	1.850	1.832
91.5	1.575	1.584	1.584	1.690	1.690	1.699	1.664
92.0	1.443	1.469	1.469	1.531	1.566	1.566	1.522
92.5	1.319	1.354	1.363	1.416	1.443	1.451	1.398
93.0	1.204	1.257	1.248	1.301	1.327	1.345	1.292
93.5	1.115	1.159	1.159	1.195	1.230	1.239	1.195
94.0	1.035	1.071	1.071	1.115	1.142	1.142	1.097
94.5	0.956	0.991	1.000	1.035	1.062	1.062	1.018
95.0	0.885	0.929	0.929	0.965	0.982	0.991	0.938
95.5	0.832	0.876	0.867	0.894	0.920	0.920	0.876

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CANDELA TABULATION - (Cont.)

96.0	0.779	0.814	0.814	0.832	0.858	0.858	0.814
96.5	0.735	0.770	0.761	0.779	0.805	0.805	0.761
97.0	0.690	0.726	0.708	0.726	0.752	0.752	0.708
97.5	0.655	0.690	0.664	0.681	0.708	0.708	0.664
98.0	0.619	0.646	0.628	0.637	0.664	0.655	0.611
98.5	0.584	0.602	0.593	0.593	0.628	0.619	0.575
99.0	0.549	0.558	0.549	0.558	0.584	0.575	0.540
99.5	0.513	0.513	0.513	0.522	0.549	0.549	0.496
100.0	0.469	0.478	0.487	0.487	0.513	0.513	0.460
100.5	0.442	0.442	0.460	0.460	0.487	0.478	0.434
101.0	0.407	0.416	0.425	0.442	0.460	0.451	0.398
101.5	0.372	0.389	0.398	0.416	0.425	0.434	0.372
102.0	0.345	0.354	0.372	0.381	0.398	0.398	0.336
102.5	0.319	0.327	0.345	0.354	0.363	0.372	0.310
103.0	0.292	0.301	0.310	0.327	0.336	0.336	0.274
103.5	0.265	0.274	0.283	0.292	0.301	0.310	0.248
104.0	0.248	0.248	0.265	0.265	0.274	0.283	0.221
104.5	0.221	0.230	0.239	0.248	0.257	0.257	0.195
105.0	0.204	0.212	0.221	0.230	0.239	0.239	0.177
105.5	0.195	0.195	0.204	0.212	0.212	0.221	0.159
106.0	0.177	0.186	0.186	0.195	0.195	0.204	0.133
106.5	0.168	0.168	0.177	0.177	0.177	0.186	0.115
107.0	0.159	0.159	0.159	0.168	0.168	0.168	0.097
107.5	0.159	0.159	0.159	0.159	0.159	0.159	0.088
108.0	0.168	0.159	0.159	0.159	0.159	0.159	0.088
108.5	0.168	0.168	0.168	0.159	0.159	0.159	0.088
109.0	0.168	0.168	0.168	0.168	0.168	0.159	0.088
109.5	0.177	0.177	0.177	0.168	0.168	0.168	0.097
110.0	0.177	0.177	0.177	0.177	0.177	0.168	0.097
110.5	0.186	0.177	0.177	0.177	0.177	0.177	0.097
111.0	0.186	0.186	0.186	0.177	0.177	0.177	0.106
111.5	0.195	0.186	0.186	0.186	0.186	0.177	0.106
112.0	0.195	0.195	0.195	0.186	0.186	0.186	0.106
112.5	0.195	0.195	0.195	0.195	0.195	0.186	0.115
113.0	0.204	0.204	0.195	0.195	0.195	0.195	0.115
113.5	0.204	0.204	0.204	0.204	0.195	0.195	0.124
114.0	0.212	0.204	0.204	0.204	0.204	0.204	0.124
114.5	0.212	0.212	0.212	0.212	0.204	0.204	0.124
115.0	0.221	0.212	0.212	0.212	0.212	0.204	0.133
115.5	0.221	0.221	0.221	0.212	0.212	0.212	0.133
116.0	0.221	0.221	0.221	0.221	0.221	0.212	0.142
116.5	0.230	0.230	0.221	0.221	0.221	0.221	0.142
117.0	0.230	0.230	0.230	0.230	0.230	0.221	0.142
117.5	0.239	0.230	0.230	0.230	0.230	0.230	0.150
118.0	0.239	0.239	0.239	0.239	0.230	0.230	0.150
118.5	0.248	0.239	0.239	0.239	0.239	0.239	0.159
119.0	0.248	0.248	0.248	0.239	0.239	0.239	0.159
119.5	0.257	0.248	0.248	0.248	0.248	0.239	0.168
120.0	0.257	0.257	0.257	0.248	0.248	0.248	0.168
120.5	0.257	0.257	0.257	0.257	0.257	0.248	0.177
121.0	0.265	0.265	0.265	0.257	0.257	0.257	0.177
121.5	0.265	0.265	0.265	0.265	0.265	0.257	0.186
122.0	0.274	0.274	0.265	0.265	0.265	0.265	0.186
122.5	0.274	0.274	0.274	0.274	0.274	0.265	0.195
123.0	0.283	0.283	0.283	0.274	0.274	0.274	0.195
123.5	0.292	0.283	0.283	0.283	0.283	0.283	0.204

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CANDELA TABULATION - (Cont.)

124.0	0.292	0.292	0.292	0.292	0.283	0.283	0.204
124.5	0.301	0.301	0.292	0.292	0.292	0.292	0.212
125.0	0.301	0.301	0.301	0.301	0.301	0.292	0.212
125.5	0.310	0.310	0.310	0.310	0.301	0.301	0.221
126.0	0.319	0.319	0.319	0.310	0.310	0.310	0.221
126.5	0.327	0.327	0.319	0.319	0.319	0.319	0.230
127.0	0.336	0.327	0.327	0.327	0.327	0.319	0.239
127.5	0.336	0.336	0.336	0.336	0.336	0.327	0.239
128.0	0.345	0.345	0.345	0.345	0.336	0.336	0.248
128.5	0.354	0.354	0.354	0.345	0.345	0.345	0.248
129.0	0.363	0.363	0.354	0.354	0.354	0.354	0.257
129.5	0.372	0.372	0.363	0.363	0.363	0.363	0.265
130.0	0.381	0.372	0.372	0.372	0.372	0.372	0.265
130.5	0.389	0.381	0.381	0.381	0.381	0.372	0.274
131.0	0.389	0.389	0.389	0.389	0.389	0.381	0.283
131.5	0.398	0.398	0.398	0.398	0.389	0.389	0.292
132.0	0.407	0.407	0.407	0.407	0.398	0.398	0.301
132.5	0.416	0.416	0.416	0.416	0.407	0.407	0.301
133.0	0.425	0.425	0.425	0.425	0.416	0.416	0.310
133.5	0.434	0.434	0.434	0.434	0.434	0.425	0.319
134.0	0.442	0.442	0.442	0.442	0.442	0.434	0.319
134.5	0.451	0.451	0.451	0.451	0.451	0.442	0.327
135.0	0.460	0.460	0.460	0.460	0.460	0.451	0.336
135.5	0.469	0.469	0.469	0.469	0.469	0.460	0.336
136.0	0.478	0.478	0.478	0.478	0.478	0.469	0.345
136.5	0.487	0.487	0.487	0.487	0.487	0.478	0.345
137.0	0.496	0.496	0.496	0.496	0.496	0.487	0.354
137.5	0.504	0.504	0.504	0.504	0.496	0.496	0.354
138.0	0.513	0.513	0.513	0.513	0.504	0.504	0.363
138.5	0.522	0.522	0.522	0.513	0.513	0.513	0.372
139.0	0.531	0.531	0.522	0.522	0.522	0.522	0.372
139.5	0.540	0.540	0.531	0.531	0.531	0.531	0.381
140.0	0.540	0.540	0.540	0.540	0.540	0.540	0.381
140.5	0.549	0.549	0.549	0.549	0.549	0.549	0.389
141.0	0.558	0.558	0.558	0.558	0.558	0.549	0.389
141.5	0.566	0.566	0.566	0.566	0.558	0.558	0.398
142.0	0.575	0.575	0.566	0.566	0.566	0.566	0.398
142.5	0.575	0.575	0.575	0.575	0.575	0.575	0.407
143.0	0.584	0.584	0.584	0.584	0.584	0.584	0.407
143.5	0.593	0.593	0.593	0.593	0.593	0.584	0.416
144.0	0.602	0.602	0.593	0.593	0.602	0.593	0.416
144.5	0.602	0.602	0.602	0.602	0.602	0.602	0.416
145.0	0.611	0.611	0.611	0.611	0.611	0.611	0.425
145.5	0.619	0.619	0.611	0.611	0.611	0.611	0.425
146.0	0.619	0.619	0.619	0.619	0.619	0.619	0.425
146.5	0.628	0.628	0.628	0.628	0.628	0.619	0.425
147.0	0.628	0.628	0.628	0.628	0.628	0.628	0.425
147.5	0.637	0.637	0.637	0.637	0.637	0.628	0.425
148.0	0.637	0.637	0.637	0.637	0.637	0.637	0.434
148.5	0.646	0.646	0.646	0.646	0.646	0.637	0.434
149.0	0.646	0.646	0.646	0.646	0.646	0.646	0.434
149.5	0.655	0.655	0.655	0.646	0.646	0.646	0.434
150.0	0.655	0.655	0.655	0.655	0.655	0.655	0.434
150.5	0.664	0.664	0.655	0.655	0.655	0.655	0.442
151.0	0.664	0.664	0.664	0.664	0.664	0.664	0.442
151.5	0.673	0.664	0.664	0.664	0.664	0.664	0.442

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CANDELA TABULATION - (Cont.)

152.0	0.673	0.673	0.673	0.673	0.673	0.664	0.442
152.5	0.673	0.673	0.673	0.673	0.673	0.673	0.442
153.0	0.681	0.681	0.673	0.673	0.673	0.673	0.442
153.5	0.681	0.681	0.681	0.673	0.673	0.673	0.451
154.0	0.681	0.681	0.681	0.681	0.681	0.681	0.451
154.5	0.681	0.681	0.681	0.681	0.681	0.681	0.451
155.0	0.681	0.681	0.681	0.681	0.681	0.681	0.451
155.5	0.681	0.681	0.681	0.681	0.681	0.681	0.460
156.0	0.681	0.681	0.681	0.681	0.681	0.681	0.460
156.5	0.681	0.681	0.681	0.681	0.681	0.681	0.460
157.0	0.690	0.681	0.681	0.681	0.690	0.681	0.460
157.5	0.708	0.681	0.690	0.681	0.690	0.681	0.469
158.0	0.690	0.681	0.708	0.690	0.699	0.681	0.469
158.5	0.690	0.690	0.699	0.690	0.717	0.681	0.469
159.0	0.690	0.699	0.690	0.690	0.726	0.690	0.469
159.5	0.690	0.690	0.690	0.699	0.726	0.690	0.469
160.0	0.699	0.690	0.690	0.699	0.708	0.690	0.469
160.5	0.699	0.699	0.699	0.699	0.699	0.690	0.469
161.0	0.699	0.699	0.699	0.699	0.699	0.699	0.478
161.5	0.699	0.699	0.699	0.699	0.699	0.699	0.478
162.0	0.699	0.699	0.699	0.699	0.699	0.699	0.478
162.5	0.699	0.690	0.699	0.699	0.699	0.699	0.478
163.0	0.690	0.690	0.690	0.690	0.699	0.690	0.487
163.5	0.690	0.690	0.690	0.690	0.690	0.690	0.487
164.0	0.690	0.690	0.690	0.690	0.690	0.690	0.487
164.5	0.690	0.690	0.690	0.690	0.690	0.690	0.496
165.0	0.690	0.690	0.690	0.690	0.690	0.690	0.504
165.5	0.690	0.690	0.690	0.690	0.690	0.690	0.513
166.0	0.690	0.690	0.690	0.699	0.690	0.690	0.513
166.5	0.690	0.690	0.690	0.708	0.690	0.690	0.513
167.0	0.690	0.690	0.690	0.761	0.690	0.690	0.522
167.5	0.690	0.690	0.690	0.841	0.690	0.690	0.522
168.0	0.690	0.690	0.690	0.814	0.699	0.690	0.531
168.5	0.690	0.690	0.690	0.726	0.690	0.690	0.531
169.0	0.690	0.690	0.690	0.690	0.690	0.690	0.531
169.5	0.690	0.690	0.690	0.690	0.690	0.690	0.540
170.0	0.681	0.681	0.690	0.681	0.690	0.690	0.540
170.5	0.681	0.681	0.681	0.681	0.681	0.681	0.540
171.0	0.681	0.681	0.681	0.681	0.681	0.681	0.540
171.5	0.681	0.681	0.681	0.681	0.681	0.681	0.540
172.0	0.681	0.681	0.681	0.681	0.681	0.681	0.540
172.5	0.681	0.681	0.681	0.681	0.681	0.681	0.540
173.0	0.681	0.681	0.681	0.681	0.681	0.681	0.549
173.5	0.681	0.681	0.681	0.681	0.681	0.681	0.558
174.0	0.681	0.681	0.681	0.681	0.681	0.681	0.575
174.5	0.681	0.681	0.681	0.681	0.681	0.681	0.593
175.0	0.681	0.681	0.681	0.681	0.681	0.681	0.602
175.5	0.681	0.681	0.681	0.681	0.681	0.681	0.611
176.0	0.673	0.673	0.673	0.673	0.673	0.673	0.619
176.5	0.673	0.673	0.673	0.673	0.673	0.673	0.628
177.0	0.664	0.664	0.673	0.673	0.673	0.673	0.628
177.5	0.664	0.664	0.664	0.664	0.664	0.664	0.637
178.0	0.655	0.655	0.655	0.655	0.655	0.655	0.637
178.5	0.655	0.655	0.655	0.655	0.655	0.655	0.637
179.0	0.646	0.646	0.646	0.646	0.646	0.646	0.637
179.5	0.646	0.646	0.646	0.646	0.646	0.646	0.637

CANDELA TABULATION - (Cont.)

180.0	0.646	0.646	0.646	0.646	0.646	0.646	0.646
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	284.85	N.A.	13.90
0-30	609.11	N.A.	29.60
0-40	1005.4	N.A.	48.90
0-60	1770.57	N.A.	86.10
0-80	2048.12	N.A.	99.60
0-90	2052.88	N.A.	99.90
10-90	1979.4	N.A.	96.30
20-40	720.55	N.A.	35.00
20-50	1135.05	N.A.	55.20
40-70	979.29	N.A.	47.60
60-80	277.55	N.A.	13.50
70-80	63.43	N.A.	3.10
80-90	4.76	N.A.	0.20
90-110	1.44	N.A.	0.10
90-120	1.61	N.A.	0.10
90-130	1.85	N.A.	0.10
90-150	2.47	N.A.	0.10
90-180	2.96	N.A.	0.10
110-180	1.52	N.A.	0.10
0-180	2055.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	73.48
10-20	211.37
20-30	324.26
30-40	396.29
40-50	414.50
50-60	350.67
60-70	214.12
70-80	63.43
80-90	4.76
90-100	1.19
100-110	0.25
110-120	0.17
120-130	0.23
130-140	0.30
140-150	0.32
150-160	0.26
160-170	0.17
170-180	0.06

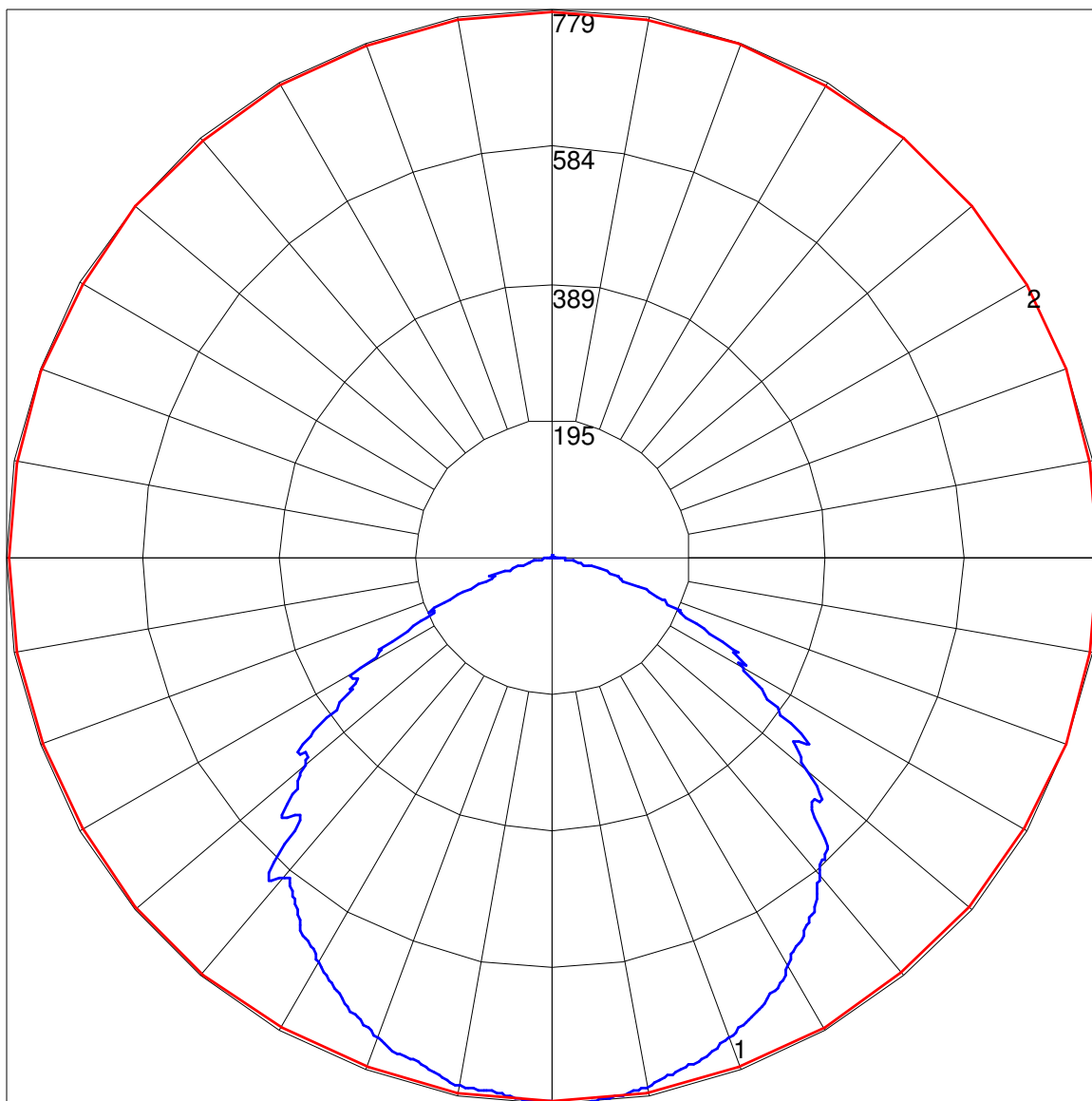
IES INDOOR REPORT
PHOTOMETRIC FILENAME : WLRD-O-L22-830-BZ.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	89	87
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63
4	85	73	65	59	83	72	64	58	70	63	58	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 778.959 Located At Horizontal Angle = 20, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (20 - 200) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)