



IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL96L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 11890707.05P5
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 7/16/2022
 [MANUFAC] Lamar LED
 [LUMCAT] TCCL96L-40
 [LUMINAIRE] White formed steel housing, frosted plastic lens enclosure
 [LAMP] 112 white LEDs
 [BALLAST] One Espen VPL50-xxx-MVHDA-PD-2C driver
 [OTHER] 25.6 C, 120.074 V, 0.317 A, 38.1 W, 0.995853 PF, 59.9981
 [MORE] Hz
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.
 [_ CONVERT] Luminaire test position and photometric web converted from original test data
 [_ CONVERT] Luminaire test position and photometric web converted from original test data

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4618
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	38.1
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.96
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.63 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20734	12712	6650
55	24808	13466	5542
65	32064	14098	4289
75	47959	15080	2757
85	121474	17384	726

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	995.916	995.803	995.690	995.578	995.467	995.356	995.247	993.547	992.958	992.310
5.0	1027.095	1026.883	1026.671	1026.460	1026.252	1024.417	1023.499	1022.458	1021.297	1020.018
7.5	1056.284	1055.981	1055.678	1055.376	1053.532	1052.370	1051.025	1049.497	1047.794	1045.917
10.0	1083.318	1082.933	1082.550	1081.030	1079.769	1078.262	1076.517	1074.535	1072.323	1069.887
12.5	1108.857	1108.441	1108.027	1106.178	1104.651	1102.787	1100.660	1098.208	1095.461	1092.429
15.0	1134.232	1133.776	1133.321	1131.037	1129.169	1126.909	1124.264	1121.245	1117.865	1114.139
17.5	1158.611	1158.205	1156.807	1155.159	1153.017	1150.384	1147.266	1143.680	1139.637	1135.161
20.0	1181.166	1180.838	1179.372	1177.617	1175.289	1172.399	1168.957	1164.982	1160.494	1155.528
22.5	1202.394	1202.025	1200.348	1198.367	1195.763	1192.560	1188.791	1184.488	1179.687	1173.962
25.0	1222.462	1222.075	1220.163	1217.887	1214.888	1211.203	1206.874	1201.947	1196.340	1189.516
27.5	1240.209	1239.955	1237.994	1235.601	1232.373	1228.344	1223.566	1217.564	1210.159	1202.245
30.0	1254.139	1254.316	1252.730	1250.623	1247.562	1243.574	1237.690	1230.184	1222.050	1213.345
32.5	1266.081	1266.671	1265.334	1263.451	1260.483	1255.056	1248.291	1240.512	1232.629	1222.149
35.0	1276.197	1276.640	1275.995	1274.160	1269.552	1263.838	1256.594	1248.691	1239.092	1230.614
37.5	1284.325	1285.021	1284.551	1281.110	1276.625	1270.180	1264.924	1258.438	1251.373	1240.578
40.0	1289.466	1291.557	1289.839	1286.245	1285.087	1282.772	1277.276	1269.975	1260.312	1248.915
42.5	1292.451	1296.094	1299.608	1303.213	1301.868	1297.989	1291.779	1283.097	1271.793	1259.016
45.0	1310.362	1339.261	1347.276	1341.218	1333.632	1323.594	1312.021	1298.959	1284.356	1269.002
47.5	1292.451	1295.981	1303.269	1307.839	1312.352	1310.657	1305.139	1296.762	1285.849	1273.260
50.0	1289.466	1291.932	1289.011	1289.287	1289.711	1286.527	1282.772	1276.339	1267.251	1255.929
52.5	1284.325	1285.233	1283.371	1278.529	1274.592	1271.746	1265.556	1257.727	1247.348	1236.481
55.0	1276.197	1276.825	1275.849	1270.382	1263.923	1256.374	1250.396	1241.197	1229.741	1216.245
57.5	1266.081	1266.259	1264.829	1259.987	1252.444	1242.732	1233.865	1224.546	1213.218	1199.473
60.0	1254.139	1253.686	1251.573	1247.138	1239.037	1229.150	1217.358	1206.768	1195.215	1181.509
62.5	1240.209	1238.897	1235.902	1231.224	1223.069	1213.077	1201.343	1188.478	1176.276	1162.957
65.0	1222.462	1220.812	1217.527	1212.664	1205.265	1195.368	1183.765	1170.840	1156.284	1141.577
67.5	1202.394	1201.506	1197.469	1192.709	1186.187	1176.311	1164.378	1150.761	1135.544	1118.740
70.0	1181.166	1180.267	1176.171	1171.211	1164.599	1154.595	1142.366	1128.149	1112.489	1095.265
72.5	1158.611	1157.318	1152.817	1147.439	1140.382	1130.623	1118.244	1104.312	1088.911	1071.852
75.0	1134.232	1132.526	1127.758	1122.215	1115.160	1106.198	1094.729	1079.949	1064.517	1047.377
77.5	1108.857	1106.983	1102.176	1096.589	1089.485	1080.878	1068.766	1054.644	1038.902	1021.464
80.0	1083.318	1081.137	1076.062	1070.263	1063.026	1054.389	1042.794	1028.201	1011.945	994.246
82.5	1056.284	1053.975	1048.708	1042.696	1035.219	1026.306	1015.082	1000.021	983.090	964.618
85.0	1027.095	1024.669	1019.227	1013.020	1005.298	996.083	985.300	969.846	952.523	933.577
87.5	995.916	993.329	987.725	981.366	973.508	964.181	953.415	938.605	920.988	901.824
90.0	963.077	960.395	954.760	948.391	940.562	931.299	920.636	908.049	889.000	869.696
92.5	929.410	926.663	921.048	914.718	906.969	897.818	887.298	874.606	856.587	837.017
95.0	895.245	892.444	886.864	880.565	872.853	863.726	853.197	841.285	823.602	804.012
97.5	861.080	858.087	852.400	846.012	838.241	829.092	818.570	806.689	790.471	770.996
100.0	826.585	823.396	817.600	811.139	803.361	794.273	783.884	772.215	757.646	738.353
102.5	791.756	788.450	782.689	776.294	768.646	759.747	749.601	738.217	725.454	706.389
105.0	757.758	754.307	748.497	742.089	734.495	725.720	715.771	704.663	692.416	674.939
107.5	723.759	720.233	714.387	707.965	700.405	691.717	681.921	671.041	660.489	643.698
110.0	688.764	685.410	679.600	673.359	666.022	657.597	648.094	637.537	626.060	612.641
112.5	654.269	650.808	645.208	639.080	631.891	623.650	614.369	604.064	592.750	580.455
115.0	619.772	616.326	610.820	604.803	597.761	589.703	580.640	570.585	559.556	547.628
117.5	585.277	581.851	576.459	570.574	563.713	555.880	547.085	537.338	526.656	515.121
120.0	551.113	547.709	542.432	536.689	530.017	522.417	513.906	504.491	494.188	483.104
122.5	517.278	513.922	508.789	503.220	496.779	489.473	481.318	472.323	462.508	451.880
125.0	483.944	480.680	475.718	470.336	464.109	457.044	449.149	440.430	430.901	421.325
127.5	450.939	447.725	442.900	437.682	431.674	424.883	417.321	408.998	399.929	390.128
130.0	418.267	415.165	410.508	405.476	399.684	393.144	385.865	377.864	369.149	359.738
132.5	385.430	382.466	378.000	373.172	367.617	361.343	354.367	346.700	338.358	329.357

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CANDELA TABULATION - (Cont.)

135.0	352.261	349.473	345.281	340.749	335.532	329.641	323.087	315.880	308.036	299.564
137.5	319.921	317.291	313.307	309.099	304.030	298.415	292.300	285.290	277.803	269.770
140.0	287.249	284.800	282.353	277.043	272.396	267.144	261.302	254.878	247.889	240.350
142.5	254.907	252.668	250.429	245.491	241.174	236.284	230.832	224.826	218.280	211.207
145.0	222.900	220.850	218.803	214.203	210.187	205.629	200.535	194.916	188.778	182.137
147.5	191.056	189.183	187.311	182.996	179.241	174.961	170.168	164.870	159.072	152.787
150.0	158.833	157.127	155.537	151.364	147.844	143.817	139.290	134.272	128.770	122.793
152.5	125.877	124.326	122.775	118.976	115.685	111.909	107.652	102.920	97.720	92.059
155.0	92.210	90.801	89.392	85.800	82.702	79.128	75.085	70.576	65.610	60.191
157.5	57.101	55.818	54.538	51.270	48.495	45.338	41.819	37.955	33.768	29.276
160.0	21.146	20.385	19.625	17.947	16.542	15.010	13.374	11.662	9.895	8.099
162.5	1.526	1.469	1.411	1.292	1.189	1.079	0.964	0.840	0.715	0.589
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	991.605	990.843	990.025	989.154	988.233	987.261	986.242	985.156	984.071	982.923
5.0	1018.625	1017.119	1015.503	1013.783	1011.964	1010.048	1008.038	1005.943	1003.764	1001.508
7.5	1043.872	1041.666	1039.303	1036.790	1034.133	1031.340	1028.417	1025.371	1022.211	1018.747
10.0	1067.236	1064.377	1061.320	1058.072	1054.644	1051.046	1047.050	1042.856	1038.514	1034.032
12.5	1089.121	1085.547	1081.720	1077.652	1073.217	1068.552	1063.691	1058.644	1053.429	1048.059
15.0	1110.081	1105.708	1100.983	1095.904	1090.548	1084.933	1079.077	1072.964	1066.515	1059.893
17.5	1130.267	1124.940	1119.243	1113.216	1106.888	1100.602	1093.183	1085.848	1078.295	1070.422
20.0	1149.756	1143.424	1136.654	1129.484	1121.809	1113.500	1104.925	1096.835	1088.791	1077.320
22.5	1167.532	1160.314	1152.323	1143.375	1133.997	1124.306	1114.324	1104.097	1093.671	1082.803
25.0	1181.985	1174.459	1164.696	1155.062	1144.953	1133.789	1122.357	1110.672	1098.775	1087.524
27.5	1193.833	1184.647	1175.097	1164.657	1153.350	1142.784	1128.749	1115.605	1102.231	1088.674
30.0	1203.720	1193.730	1183.015	1171.849	1159.802	1146.901	1133.286	1118.633	1103.836	1088.884
32.5	1211.817	1200.608	1189.151	1177.462	1165.200	1151.392	1137.169	1121.317	1105.292	1088.828
35.0	1220.301	1209.296	1197.055	1184.132	1170.070	1155.083	1139.262	1122.283	1104.936	1086.820
37.5	1229.376	1216.783	1203.151	1188.881	1172.996	1156.527	1139.148	1120.868	1103.170	1082.517
40.0	1236.483	1222.013	1206.954	1191.075	1173.538	1155.429	1136.574	1116.971	1096.886	1075.771
42.5	1244.843	1228.907	1212.105	1194.478	1174.966	1154.906	1134.331	1112.831	1090.563	1067.442
45.0	1252.841	1234.808	1215.980	1196.389	1175.427	1153.725	1131.708	1109.170	1085.401	1061.106
47.5	1256.788	1237.247	1216.386	1194.809	1172.508	1149.579	1126.293	1102.552	1077.829	1052.327
50.0	1241.951	1226.223	1209.395	1189.190	1166.172	1142.370	1118.203	1093.185	1067.557	1041.268
52.5	1223.523	1208.130	1190.616	1171.483	1151.023	1129.570	1107.199	1081.537	1054.743	1027.054
55.0	1203.380	1188.313	1171.036	1151.931	1131.692	1110.466	1087.648	1063.798	1038.807	1010.363
57.5	1183.761	1166.949	1149.657	1130.938	1110.849	1088.944	1065.990	1041.995	1015.844	989.022
60.0	1165.474	1146.967	1127.109	1108.373	1087.671	1065.742	1042.545	1017.589	991.558	964.773
62.5	1145.707	1127.177	1106.750	1084.181	1062.813	1040.685	1016.975	991.994	965.895	938.393
65.0	1124.456	1105.636	1084.694	1062.095	1037.651	1013.834	990.097	964.923	938.412	910.389
67.5	1101.525	1082.488	1061.639	1039.035	1014.178	987.708	961.654	936.253	909.361	880.050
70.0	1077.804	1058.681	1037.822	1014.569	989.599	962.853	934.191	906.022	877.945	848.089
72.5	1053.485	1033.962	1012.532	989.051	965.323	936.570	907.398	876.116	845.038	815.147
75.0	1028.339	1008.007	986.190	962.346	936.545	908.494	879.968	846.894	813.645	781.348
77.5	1002.048	982.073	958.260	933.956	907.192	878.833	848.655	816.867	783.665	748.845
80.0	974.008	952.414	928.506	903.542	876.612	848.608	817.901	786.187	752.909	718.231

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82.5	944.049	921.730	897.606	872.137	845.255	816.758	786.751	754.913	721.992	687.225
85.0	912.825	890.295	866.116	840.214	813.392	784.804	754.814	723.394	690.337	655.809
87.5	880.973	858.379	834.410	808.164	780.973	752.740	723.022	691.526	658.609	624.180
90.0	848.764	825.977	801.674	775.925	748.831	720.585	690.821	659.626	626.944	593.380
92.5	815.915	793.408	769.200	743.652	716.599	688.343	658.926	628.318	596.517	563.406
95.0	782.992	760.503	736.542	711.211	684.601	656.742	628.206	598.216	566.966	534.357
97.5	750.075	727.813	704.208	680.308	653.482	626.520	598.698	569.161	538.615	507.854
100.0	717.673	695.734	672.714	648.464	623.236	596.972	570.002	541.579	511.337	479.699
102.5	686.074	664.543	641.927	618.196	593.596	568.172	541.913	514.954	485.032	453.658
105.0	654.889	633.706	611.619	588.540	564.547	539.739	514.075	487.528	459.983	428.664
107.5	624.037	603.351	581.718	559.163	535.702	511.325	486.295	460.267	433.733	404.654
110.0	593.361	573.361	551.919	529.791	506.763	483.057	458.566	433.455	407.741	381.899
112.5	562.712	542.868	522.151	500.635	478.268	455.237	431.509	407.160	382.423	357.085
115.0	532.242	512.929	492.773	471.918	450.255	427.964	405.160	381.638	357.819	333.452
117.5	502.176	483.450	463.889	443.841	423.027	401.492	379.438	356.783	333.827	310.434
120.0	471.326	454.762	435.968	416.442	396.248	375.411	354.264	332.566	310.430	287.988
122.5	440.432	426.372	408.104	389.321	370.025	350.103	329.707	308.856	287.556	266.268
125.0	409.696	398.083	381.006	362.945	344.346	325.184	305.581	285.725	265.483	245.133
127.5	379.634	368.460	354.206	337.514	318.984	300.689	282.479	263.088	243.844	224.395
130.0	349.660	338.941	327.635	310.910	293.964	276.612	258.841	240.807	222.517	204.947
132.5	319.797	309.686	298.973	285.474	269.514	252.758	235.858	218.836	201.569	184.129
135.0	290.475	280.788	270.528	259.716	244.643	229.137	213.299	197.736	180.786	164.159
137.5	261.957	251.998	242.398	232.294	220.488	205.808	190.798	175.805	159.854	143.934
140.0	232.272	223.711	214.646	205.089	195.054	182.392	168.151	153.582	138.655	123.281
142.5	203.618	195.534	186.965	177.917	168.407	158.415	145.199	131.557	116.939	102.090
145.0	175.000	167.352	159.177	150.538	141.444	131.908	121.745	108.288	94.828	80.510
147.5	146.023	139.205	130.935	122.626	113.868	104.694	94.947	84.665	71.834	59.021
150.0	116.348	109.444	101.981	94.024	85.623	76.790	67.532	57.459	46.934	35.624
152.5	85.946	79.386	72.294	64.572	56.407	47.927	38.779	30.031	22.142	14.169
155.0	54.322	48.015	41.276	34.890	28.373	21.677	14.818	7.819	4.612	2.851
157.5	24.503	19.465	14.184	9.936	7.679	5.578	3.617	1.852	0.321	0.202
160.0	6.297	4.509	2.760	1.065	0.579	0.431	0.297	0.177	0.074	0.000
162.5	0.463	0.340	0.220	0.105	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	981.735	980.515	979.257	977.971	976.657	975.316	973.951	972.569	971.168	969.753
5.0	999.179	996.783	994.324	991.809	989.137	986.400	983.623	980.810	977.965	975.098
7.5	1015.156	1011.465	1007.684	1003.822	999.890	995.875	991.846	988.726	983.385	979.036
10.0	1029.424	1024.697	1019.873	1014.668	1009.317	1003.892	998.404	992.868	987.294	981.500
12.5	1042.177	1036.131	1029.966	1023.698	1017.344	1010.518	1003.502	996.559	989.525	983.477
15.0	1053.116	1046.207	1038.747	1031.093	1023.356	1015.548	1007.226	998.746	990.244	981.743
17.5	1062.014	1053.474	1044.825	1035.729	1026.341	1016.922	1007.342	997.226	987.142	977.115
20.0	1067.712	1057.699	1047.557	1037.348	1026.528	1015.622	1004.736	993.107	981.490	970.072
22.5	1071.759	1060.568	1048.887	1037.081	1025.107	1012.716	1000.378	987.288	974.159	961.013
25.0	1074.222	1061.662	1048.642	1035.386	1021.970	1008.114	994.351	979.698	965.092	950.261
27.5	1074.945	1060.972	1046.667	1031.886	1017.019	1001.737	987.595	970.280	954.251	937.664

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CANDELA TABULATION - (Cont.)

30.0	1073.790	1058.405	1042.807	1026.477	1010.180	993.529	976.637	959.001	941.330	923.202
32.5	1072.249	1055.330	1038.106	1020.310	1002.326	984.180	965.442	946.424	926.852	907.268
35.0	1068.643	1050.156	1031.272	1012.044	992.445	972.919	952.418	931.950	910.716	889.626
37.5	1062.743	1042.772	1022.221	1001.593	980.439	959.164	937.468	915.112	892.668	869.937
40.0	1054.416	1034.156	1010.895	988.672	966.288	943.367	920.298	896.293	872.128	848.377
42.5	1043.588	1020.545	997.274	973.477	949.674	925.612	900.493	875.389	849.922	824.712
45.0	1036.316	1010.625	984.657	958.278	931.375	905.288	878.839	852.093	825.555	799.147
47.5	1026.265	999.531	972.264	944.706	916.852	887.274	857.454	827.437	799.062	771.618
50.0	1013.645	985.832	959.046	928.980	899.095	868.482	837.180	805.936	774.854	743.790
52.5	998.670	970.037	940.737	910.702	879.228	847.016	814.789	782.609	750.454	718.500
55.0	981.315	951.819	921.721	889.453	856.662	823.559	790.351	757.282	724.369	691.495
57.5	961.576	931.277	899.002	865.819	831.909	797.884	764.023	731.205	696.424	662.456
60.0	936.387	906.220	874.149	839.543	804.922	770.401	735.982	701.316	666.487	631.591
62.5	909.274	878.108	844.943	810.926	776.129	741.133	705.895	670.428	634.493	598.651
65.0	880.042	847.875	814.632	780.526	745.622	709.884	673.968	637.160	600.461	564.158
67.5	848.985	816.704	783.375	749.131	713.985	679.808	639.607	601.911	564.772	528.046
70.0	816.933	784.580	751.177	716.826	681.462	644.073	605.596	566.115	527.348	490.031
72.5	783.956	751.556	718.146	683.658	647.309	609.765	571.130	531.465	490.585	450.170
75.0	750.093	717.765	684.323	649.121	612.663	575.025	536.384	496.542	455.443	412.821
77.5	715.528	683.660	649.356	614.109	577.621	540.164	501.500	461.584	420.195	377.652
80.0	682.195	647.885	613.961	578.776	542.642	505.294	466.690	426.683	385.504	343.221
82.5	651.097	613.393	578.375	543.688	507.782	470.622	432.127	392.450	351.642	309.795
85.0	619.667	582.591	543.867	508.864	473.277	436.403	398.353	359.158	318.895	278.213
87.5	588.663	552.924	513.852	474.614	439.416	403.111	365.658	327.075	288.248	248.659
90.0	558.399	522.096	484.591	445.769	406.660	371.067	334.346	297.416	259.891	221.425
92.5	528.858	493.238	456.237	418.034	379.006	340.669	305.684	270.349	234.000	196.669
95.0	500.513	465.361	428.856	391.517	353.541	315.480	280.025	245.825	210.407	174.143
97.5	473.162	438.475	402.693	366.470	330.275	294.079	258.208	223.402	188.720	154.060
100.0	446.735	412.613	378.044	343.038	308.376	273.585	238.509	203.108	169.311	136.923
102.5	421.299	388.223	354.912	321.474	287.708	253.669	219.264	185.599	152.495	122.385
105.0	397.074	365.271	332.980	300.471	267.599	234.249	201.783	169.725	138.909	109.825
107.5	374.050	343.194	311.803	280.221	248.266	216.749	186.217	155.484	127.042	99.598
110.0	351.852	321.872	291.474	260.989	230.385	200.593	171.163	143.177	116.224	90.393
112.5	330.512	301.402	272.221	242.869	213.956	186.061	158.077	131.704	106.119	81.975
115.0	308.897	281.885	253.871	225.767	198.613	171.706	145.862	120.731	96.634	73.387
117.5	286.740	262.818	236.334	209.956	183.980	158.520	133.980	110.047	87.050	64.475
120.0	265.212	242.643	219.571	194.457	169.634	145.685	122.216	99.452	77.056	55.029
122.5	244.655	223.052	201.256	179.134	155.669	132.851	110.424	88.331	66.877	49.844
125.0	224.543	203.884	183.286	162.718	141.764	119.817	98.133	77.593	59.451	43.272
127.5	205.003	185.177	165.725	146.145	126.527	106.301	85.886	66.928	49.521	33.961
130.0	185.593	167.000	148.293	129.460	110.414	91.149	71.678	53.276	36.380	21.043
132.5	166.508	148.705	130.688	112.404	94.358	74.871	55.618	36.118	19.685	9.322
135.0	147.277	130.113	112.731	94.850	76.681	58.094	39.131	21.844	7.774	0.593
137.5	127.751	111.079	94.105	76.765	59.241	40.948	26.347	12.286	5.275	1.440
140.0	107.604	91.516	74.961	58.145	43.041	28.738	17.209	10.151	4.900	1.883
142.5	86.883	71.381	56.819	42.658	29.601	20.186	12.124	6.542	2.389	0.513
145.0	66.710	53.055	40.304	29.234	19.403	11.776	5.844	1.221	0.587	0.109
147.5	46.648	35.065	24.297	15.835	8.762	2.426	1.081	0.412	0.000	0.000
150.0	25.172	17.057	9.456	2.400	1.446	0.657	0.000	0.000	0.000	0.000
152.5	6.369	2.385	1.493	0.651	0.000	0.000	0.000	0.000	0.000	0.000
155.0	1.394	0.257	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.109	0.043	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	968.324	966.888	965.446	964.002	962.556	961.112	960.395	958.190	956.735	955.294
5.0	972.212	969.312	966.406	963.498	960.597	957.707	954.758	951.837	948.941	946.076
7.5	974.668	970.289	965.909	961.533	957.176	952.791	948.391	944.029	939.717	935.458
10.0	975.638	969.774	963.920	958.086	952.327	946.395	940.562	934.791	929.095	923.482
12.5	975.076	967.734	960.418	953.139	945.839	938.529	931.227	924.158	917.120	910.114
15.0	972.944	964.144	955.390	946.927	937.911	929.219	920.636	912.776	903.707	895.358
17.5	966.793	956.523	946.231	936.265	926.222	916.370	908.049	897.144	887.824	878.767
20.0	958.025	946.231	935.349	922.891	911.410	900.813	889.000	878.124	867.545	856.995
22.5	947.536	934.249	920.984	907.832	894.950	882.176	869.696	859.005	845.393	833.646
25.0	935.281	920.494	905.635	891.076	876.685	862.565	848.764	835.050	821.750	808.830
27.5	921.239	904.800	888.538	872.522	856.732	842.898	825.977	811.091	796.632	782.629
30.0	905.282	887.298	869.665	852.181	835.137	817.985	801.674	785.670	770.166	755.103
32.5	887.570	868.136	848.727	830.156	811.602	793.484	775.925	758.909	742.295	726.186
35.0	868.511	847.658	827.096	806.786	786.839	767.496	748.831	730.665	713.019	696.121
37.5	847.561	825.335	803.476	781.894	760.897	740.532	720.585	701.203	682.642	664.936
40.0	824.583	801.215	778.018	755.399	733.389	711.825	690.821	670.605	651.206	633.292
42.5	799.828	775.105	750.919	727.279	704.130	681.511	659.626	638.567	619.040	600.501
45.0	773.025	748.064	722.113	697.423	673.208	649.669	626.944	605.741	585.576	566.663
47.5	744.491	717.765	691.596	665.818	640.668	616.291	593.380	571.550	550.951	531.708
50.0	714.089	686.518	659.229	632.538	606.536	581.913	558.399	536.106	515.206	495.611
52.5	686.764	655.047	625.156	597.576	571.268	546.082	522.096	499.510	479.448	458.482
55.0	658.563	625.957	593.648	562.315	534.524	508.870	484.591	461.643	440.238	420.267
57.5	628.643	595.009	562.228	530.345	499.397	470.387	445.769	422.726	401.239	381.177
60.0	596.750	562.642	529.366	496.894	465.491	435.301	406.660	382.907	361.961	342.475
62.5	563.363	528.812	494.905	461.948	431.966	399.731	371.067	345.823	322.234	304.143
65.0	528.448	493.248	458.852	425.674	393.265	362.991	334.346	308.598	285.714	267.630
67.5	491.704	456.012	421.117	387.502	355.429	326.906	297.416	272.571	250.431	230.828
70.0	453.204	416.967	381.883	348.233	317.322	286.716	259.891	235.722	214.208	194.809
72.5	412.738	376.324	341.223	307.647	276.382	247.607	221.153	198.026	177.086	158.437
75.0	370.587	334.181	299.154	266.254	235.611	207.460	182.219	159.782	139.994	123.825
77.5	334.041	290.576	256.142	223.748	193.703	166.695	142.812	121.913	104.980	92.449
80.0	299.915	255.961	211.820	179.991	151.319	126.056	104.086	86.467	74.057	65.260
82.5	267.403	224.121	179.845	135.712	109.374	86.393	68.178	55.925	48.201	44.341
85.0	236.706	194.246	151.510	109.324	68.640	49.991	37.939	31.313	29.451	30.060
87.5	208.148	167.130	126.266	86.450	49.991	19.988	14.486	14.701	17.988	18.878
90.0	182.219	142.812	104.086	68.178	37.939	14.486	0.000	5.990	9.417	10.457
92.5	158.878	121.324	86.063	55.744	31.276	14.694	5.990	0.004	3.473	4.581
95.0	138.025	103.938	73.247	47.925	29.372	17.953	9.417	3.495	0.017	1.090
97.5	120.344	90.296	64.281	44.023	29.832	18.795	10.457	4.620	1.129	0.006
100.0	106.731	80.144	57.976	41.498	28.064	17.376	9.224	3.380	0.496	0.021
102.5	95.273	71.587	52.769	37.086	24.153	13.768	5.635	0.993	0.074	0.000
105.0	84.376	63.404	45.681	30.649	18.144	7.856	1.491	0.136	0.000	0.000
107.5	73.791	53.608	36.666	22.186	9.798	1.967	0.200	0.000	0.000	0.000
110.0	66.252	42.948	25.689	11.399	2.398	0.239	0.000	0.000	0.000	0.000
112.5	58.629	36.058	14.000	2.744	0.227	0.000	0.000	0.000	0.000	0.000
115.0	50.753	28.600	11.973	2.105	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

117.5	42.330	25.757	14.101	6.670	1.518	0.000	0.000	0.000	0.000	0.000
120.0	38.491	25.076	15.108	7.561	2.519	0.433	0.000	0.000	0.000	0.000
122.5	34.979	22.853	12.909	5.570	1.553	0.078	0.004	0.000	0.000	0.000
125.0	29.286	17.213	7.774	2.340	0.155	0.010	0.000	0.000	0.000	0.000
127.5	20.070	9.405	2.573	0.216	0.008	0.000	0.000	0.000	0.000	0.000
130.0	10.017	1.994	0.253	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.618	0.253	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.204	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.229	0.035	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.159	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	953.868	952.463	951.077	949.716	948.381	947.075	945.800	944.560	943.353	942.187
5.0	943.250	940.465	937.728	935.044	932.414	929.849	927.347	924.916	922.529	920.214
7.5	931.262	927.138	923.089	919.089	915.157	911.320	907.591	903.968	900.462	897.076
10.0	918.543	912.448	907.056	901.783	896.604	891.626	886.757	881.990	877.358	872.895
12.5	903.210	896.442	889.818	883.350	876.948	870.653	864.637	858.773	853.119	848.342
15.0	887.249	879.270	871.292	863.502	855.926	848.575	841.415	834.447	827.736	821.289
17.5	869.826	860.579	851.415	842.496	833.734	825.219	816.986	809.044	801.416	794.096
20.0	846.762	836.822	827.267	817.983	809.077	800.570	791.676	782.846	774.355	766.197
22.5	822.265	811.194	800.533	790.294	780.504	771.173	762.312	754.048	746.293	738.068
25.0	796.308	784.232	772.592	761.436	750.785	740.785	731.331	722.412	714.175	706.511
27.5	769.090	755.986	743.418	731.496	720.200	709.477	699.557	690.247	681.503	673.365
30.0	740.511	728.058	713.246	700.587	688.760	677.680	667.198	657.410	648.221	639.822
32.5	710.758	696.055	682.053	669.103	656.775	645.195	634.281	624.013	614.542	605.668
35.0	679.948	664.741	650.479	636.938	624.221	612.142	600.974	590.445	580.290	571.371
37.5	648.497	632.907	618.213	604.284	591.213	578.976	567.396	556.549	546.331	536.732
40.0	616.332	600.546	585.392	571.373	558.026	545.466	533.572	522.295	511.661	501.745
42.5	583.244	567.099	552.405	538.186	524.600	511.638	499.282	487.605	476.859	466.795
45.0	549.013	532.730	517.683	503.836	490.733	477.314	464.758	452.998	442.057	431.956
47.5	513.786	497.222	481.846	467.623	455.660	442.729	431.429	418.413	407.325	397.383
50.0	477.479	460.562	444.906	430.574	417.593	405.838	395.136	383.986	372.871	363.135
52.5	440.036	422.918	407.418	393.189	380.589	369.450	358.500	348.964	339.240	330.166
55.0	401.677	385.028	369.296	356.189	343.683	332.315	322.039	312.856	304.854	296.003
57.5	363.388	347.094	332.620	319.295	306.955	295.851	285.737	277.078	269.271	262.538
60.0	325.268	309.847	295.702	282.477	270.406	259.650	250.159	241.961	234.544	228.422
62.5	287.815	272.862	258.775	245.704	234.385	224.616	215.637	207.925	201.456	195.567

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CANDELA TABULATION - (Cont.)

65.0	250.723	235.771	221.726	209.907	199.283	190.244	182.497	175.575	169.661	163.539
67.5	213.415	199.598	186.168	175.261	165.721	158.019	150.973	144.946	139.349	134.138
70.0	177.321	163.103	151.972	143.144	134.400	127.479	121.316	115.907	110.595	105.646
72.5	143.096	130.486	119.452	111.551	104.859	98.731	93.518	88.319	83.239	78.034
75.0	110.748	100.533	91.441	82.996	77.171	72.055	67.029	61.919	56.617	53.111
77.5	82.640	75.138	68.176	59.725	51.393	46.602	41.566	36.254	35.440	35.197
80.0	59.511	54.950	48.678	40.728	31.115	22.042	16.604	19.385	20.872	20.661
82.5	42.320	38.340	32.462	24.732	14.810	3.609	4.571	8.655	10.764	9.640
85.0	28.474	24.804	19.117	11.162	2.762	0.702	0.000	2.383	3.823	2.894
87.5	17.527	14.015	8.185	2.074	0.383	0.000	0.000	0.000	0.641	0.099
90.0	9.224	5.635	1.491	0.198	0.000	0.000	0.000	0.000	0.000	0.004
92.5	3.316	0.968	0.103	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.478	0.052	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	941.058	939.973	938.931	937.934	936.927	936.088	935.238	934.442	933.697	933.009
5.0	917.983	915.837	913.783	911.756	909.954	908.187	906.522	904.961	903.507	902.162
7.5	893.816	890.687	888.777	884.800	882.063	879.480	877.051	874.781	872.672	870.726
10.0	868.610	864.505	860.587	856.859	853.329	849.969	846.808	843.858	841.125	838.612

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CANDELA TABULATION - (Cont.)

12.5	842.385	837.329	832.513	827.942	823.619	819.551	816.210	812.179	808.883	805.855
15.0	815.112	809.215	803.598	798.271	793.237	788.504	784.075	779.954	776.225	772.817
17.5	787.089	780.399	774.038	768.116	762.540	757.307	752.423	747.893	743.718	739.936
20.0	758.582	751.280	744.349	737.794	731.683	725.961	720.622	715.672	711.114	708.084
22.5	729.700	721.827	714.352	707.283	700.624	694.335	688.455	682.992	677.952	673.338
25.0	699.376	692.080	683.989	676.321	669.083	662.294	655.995	650.151	644.767	639.852
27.5	665.478	658.790	652.380	645.132	637.434	630.213	623.477	617.230	611.481	606.235
30.0	631.755	624.452	617.735	611.611	605.578	597.911	591.172	584.134	578.039	572.482
32.5	597.415	589.794	582.778	576.024	570.580	565.404	557.865	550.924	544.578	538.767
35.0	562.788	554.825	547.499	540.827	534.889	529.642	525.049	518.948	511.296	505.347
37.5	527.785	519.527	512.079	505.298	499.222	493.963	489.380	485.032	478.383	472.391
40.0	492.672	484.278	476.698	469.885	463.769	458.583	453.794	450.486	446.076	439.787
42.5	457.588	449.153	441.474	434.821	428.879	423.672	419.181	415.369	412.646	407.313
45.0	422.635	414.363	406.806	400.081	394.075	388.750	384.416	380.797	377.881	375.296
47.5	388.169	379.879	372.330	365.559	359.720	354.577	350.220	346.599	343.666	341.464
50.0	354.045	345.722	338.337	331.635	325.831	320.710	316.323	312.737	309.777	307.495
52.5	320.360	312.094	304.798	298.170	292.411	287.057	283.006	279.455	276.530	274.240
55.0	287.136	279.031	271.852	265.492	259.755	254.822	250.466	246.651	243.771	241.300
57.5	254.532	246.894	239.819	233.563	227.837	222.927	218.537	214.790	211.777	209.309
60.0	222.809	215.565	208.554	202.422	196.798	191.861	187.548	183.723	180.467	177.756
62.5	190.193	185.058	178.339	172.232	166.751	161.700	157.140	153.057	149.442	146.398
65.0	159.028	154.200	149.127	142.981	137.261	131.945	126.954	122.480	118.397	114.840
67.5	129.263	124.525	119.866	114.156	107.971	102.197	96.634	91.536	86.939	82.786
70.0	100.628	95.600	90.902	85.293	78.518	72.003	65.867	60.110	55.206	52.273
72.5	73.039	69.567	64.477	57.220	48.598	41.381	35.346	32.256	28.647	27.381
75.0	50.973	47.000	40.579	31.630	20.095	15.454	12.064	13.471	12.787	10.630
77.5	32.569	27.551	19.609	11.572	3.662	0.748	3.831	4.474	3.053	1.051
80.0	17.368	11.217	5.769	0.490	0.208	0.000	0.500	0.371	0.280	0.000
82.5	6.262	2.105	0.266	0.017	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.245	0.121	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	932.376	931.798	931.279	930.821	930.420	930.080	929.800	929.581	929.423	929.328
5.0	900.928	899.807	898.800	897.908	897.134	896.477	895.941	895.525	895.227	895.051
7.5	868.946	867.335	865.895	864.625	863.531	862.610	861.815	861.294	860.900	860.682
10.0	836.319	834.249	832.406	830.789	829.403	828.245	827.318	826.622	826.156	825.921
12.5	803.089	800.615	798.409	796.481	794.833	793.464	792.376	791.571	791.048	790.805
15.0	769.727	766.954	764.505	762.376	760.571	759.090	757.933	757.101	756.592	756.406
17.5	736.427	733.446	730.742	728.402	726.427	724.818	723.574	722.696	722.183	722.035
20.0	703.102	699.666	696.632	694.000	691.740	689.960	688.554	687.561	686.978	686.809
22.5	669.186	665.492	662.238	659.426	657.062	655.144	653.675	652.654	652.083	651.960
25.0	635.953	631.438	627.949	624.940	622.417	620.383	618.833	617.772	617.201	617.117
27.5	601.497	597.271	593.563	590.373	587.709	585.565	583.950	582.859	582.298	582.259
30.0	567.468	563.019	559.159	555.851	553.099	550.901	549.262	548.180	547.657	547.690
32.5	533.591	528.963	524.985	521.589	518.775	516.542	514.893	513.830	513.352	513.461
35.0	499.990	495.234	491.172	487.759	484.933	482.704	481.073	480.043	479.615	479.792
37.5	466.990	462.191	458.000	454.432	451.497	449.194	447.530	446.506	446.121	446.374
40.0	434.135	429.035	425.389	421.239	418.318	416.038	414.399	413.412	413.076	413.393
42.5	401.671	396.664	392.301	388.602	385.558	383.176	381.457	380.414	380.050	380.367
45.0	369.613	364.418	359.732	356.014	352.814	350.292	348.455	347.312	346.873	347.143
47.5	337.682	332.127	327.530	323.524	320.282	317.731	315.880	314.741	314.318	314.621
50.0	306.026	300.609	295.805	291.686	288.254	285.529	283.527	282.260	281.735	281.966
52.5	272.623	269.208	264.159	260.305	256.330	253.541	251.467	250.066	249.539	249.712
55.0	239.603	238.257	233.143	228.710	225.021	222.061	219.839	218.377	217.687	217.785
57.5	207.441	206.207	202.498	197.857	193.952	190.751	188.411	186.811	186.011	186.024
60.0	175.624	174.110	172.007	167.127	162.942	159.498	156.860	155.045	154.069	153.949
62.5	144.140	142.039	140.841	136.097	131.553	127.724	124.752	122.659	121.458	121.168
65.0	111.961	109.573	107.893	104.379	99.421	95.192	91.882	89.505	88.082	87.633
67.5	79.340	76.873	74.728	71.896	67.564	61.680	57.875	54.990	53.305	52.660
70.0	49.080	46.114	42.643	37.898	32.013	28.507	25.418	22.826	20.839	19.566
72.5	24.480	20.062	15.866	10.525	5.180	5.003	5.065	4.635	3.891	3.015
75.0	7.152	2.058	1.580	0.966	0.309	0.185	0.247	0.251	0.212	0.148
77.5	0.692	0.122	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	929.293	929.320	929.410	929.365	929.380	929.458	929.596	929.796	930.059	930.379
5.0	894.994	895.060	895.245	895.146	895.167	895.307	895.570	895.950	896.450	897.070
7.5	860.639	860.773	861.080	860.903	860.901	861.073	861.418	861.941	862.637	863.508
10.0	825.915	826.136	826.585	826.307	826.257	826.434	826.840	827.475	828.340	829.433
12.5	790.844	791.161	791.756	791.383	791.287	791.470	791.977	792.671	793.690	794.986
15.0	756.538	756.991	757.758	757.261	757.078	757.212	757.665	758.439	759.533	760.946
17.5	722.249	722.826	723.759	723.106	722.812	722.919	723.314	724.113	725.331	726.814
20.0	687.050	687.703	688.764	688.002	687.649	687.707	688.177	689.060	690.356	692.067
22.5	652.285	653.056	654.269	653.352	652.882	652.856	653.284	654.162	655.494	657.278
25.0	617.520	618.404	619.772	618.736	618.180	618.109	618.521	619.419	620.800	622.666
27.5	582.626	583.751	585.277	584.127	583.491	583.378	583.784	584.712	586.158	588.127
30.0	548.279	549.422	551.113	549.783	549.113	548.784	549.122	550.022	551.490	553.523
32.5	514.153	515.426	517.278	515.791	514.884	514.559	514.822	515.671	517.109	519.138
35.0	480.573	481.957	483.944	482.301	481.263	480.832	481.011	481.802	483.205	485.222
37.5	447.262	448.786	450.939	449.159	448.008	447.489	447.604	448.354	449.738	451.754
40.0	414.365	415.989	418.267	416.359	415.103	414.503	414.561	415.278	416.650	418.679
42.5	381.368	383.057	385.430	383.418	382.093	381.547	381.508	382.246	383.794	385.774
45.0	348.128	349.833	352.261	350.187	348.834	348.204	348.296	349.100	350.614	352.832

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

47.5	315.653	317.420	319.921	317.773	316.362	315.684	315.740	316.522	318.022	320.240
50.0	282.958	284.716	287.249	285.072	283.667	283.031	283.160	284.044	285.675	288.044
52.5	250.657	252.387	254.907	252.740	251.366	250.775	250.962	251.912	253.615	256.056
55.0	218.681	220.383	222.900	220.735	219.386	218.846	219.106	220.156	221.983	224.572
57.5	186.864	188.537	191.056	188.883	187.552	187.060	187.400	188.559	190.524	193.282
60.0	154.697	156.322	158.833	156.658	155.372	154.967	155.432	156.755	158.925	161.925
62.5	121.804	123.368	125.877	123.720	122.499	122.214	122.851	124.394	126.832	130.144
65.0	88.164	89.575	92.210	90.006	88.805	88.601	89.392	91.167	93.911	97.614
67.5	53.068	54.545	57.101	54.878	53.735	53.671	54.674	56.734	59.834	63.958
70.0	19.123	19.613	21.146	19.877	19.533	20.219	21.770	24.087	27.076	30.637
72.5	2.200	1.637	1.526	1.640	2.225	3.106	4.107	5.051	5.778	6.128
75.0	0.080	0.023	0.000	0.023	0.080	0.148	0.212	0.251	0.247	0.185
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL96L-40.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	930.762	931.204	931.703	932.263	932.877	933.548	934.274	935.054	935.886	936.770
5.0	897.807	898.666	899.632	900.718	901.915	903.223	904.642	906.166	907.795	909.527
7.5	864.552	865.766	867.154	868.711	870.435	872.324	874.376	876.590	878.959	881.484
10.0	830.754	832.303	834.078	836.078	838.299	840.742	843.405	846.338	849.368	852.663
12.5	796.617	798.411	800.535	802.934	805.600	808.537	811.736	815.198	819.382	822.890
15.0	762.680	764.734	767.107	769.795	772.800	776.116	779.740	783.682	787.995	792.607
17.5	728.719	731.018	733.636	736.647	740.025	743.764	747.867	752.289	757.059	762.172
20.0	694.187	696.718	699.656	702.999	706.747	712.045	715.407	720.317	725.627	731.333
22.5	659.519	662.213	665.361	668.961	673.009	677.511	682.463	687.868	693.652	699.880
25.0	625.016	627.852	631.160	634.948	639.752	644.019	649.319	655.099	661.356	668.082
27.5	590.612	593.613	597.127	601.151	605.687	610.738	616.289	622.443	628.868	635.953
30.0	556.125	559.295	563.031	567.332	572.150	577.491	583.361	589.751	597.073	604.111
32.5	521.756	524.963	528.755	533.138	538.223	543.904	550.178	557.058	564.413	572.247
35.0	487.850	491.088	494.935	499.430	504.604	510.388	516.773	524.880	531.519	536.578
37.5	454.401	457.678	461.577	466.169	471.429	477.314	483.817	490.979	495.708	501.028
40.0	421.360	424.687	429.256	433.350	438.691	444.669	451.274	456.099	460.278	465.151
42.5	388.553	392.046	396.114	400.901	406.347	412.440	418.213	421.187	425.262	430.380
45.0	355.745	359.343	363.621	368.581	374.214	380.507	383.329	386.639	390.658	395.383
47.5	323.159	326.776	331.176	336.341	342.181	346.371	349.178	352.311	356.360	361.226
50.0	291.140	294.950	299.451	304.642	310.547	312.203	314.842	318.220	322.269	327.118
52.5	259.220	263.574	267.811	273.251	277.016	278.942	281.527	284.740	288.578	293.476
55.0	227.905	231.975	236.793	242.297	243.934	245.940	248.731	252.109	256.095	260.732
57.5	196.815	201.108	206.135	210.179	211.658	213.804	216.593	219.969	224.084	228.844
60.0	165.737	170.302	175.579	177.960	179.706	182.086	185.078	188.648	192.850	197.594
62.5	134.311	139.213	144.322	145.753	148.079	150.581	153.869	157.743	162.157	167.086
65.0	102.251	107.576	111.353	113.215	115.821	118.935	122.719	127.034	131.767	137.018
67.5	70.156	74.889	77.909	80.337	83.143	86.807	91.215	96.059	101.374	107.164
70.0	34.697	40.833	45.368	48.919	51.898	55.589	59.259	64.498	70.570	76.984
72.5	6.826	12.519	17.945	22.173	26.517	29.463	30.991	35.430	39.807	46.174
75.0	0.435	1.518	2.482	3.236	8.404	11.879	14.044	14.993	14.093	18.760
77.5	0.000	0.000	0.000	0.192	1.088	1.650	3.691	5.014	4.404	1.881
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.441	0.583	0.595	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL96L-40.IES

CANDELA TABULATION - (Cont.)

132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	225.0	227.5	230.0	232.5	235.0	237.5	240.0	242.5	245.0	247.5
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	937.701	938.698	939.709	940.780	941.891	943.046	944.237	945.466	946.729	948.023
5.0	911.357	913.285	915.307	917.420	919.618	921.900	924.261	926.692	929.169	931.711
7.5	884.161	886.983	891.049	893.035	896.246	899.581	903.039	906.611	910.296	914.084
10.0	856.153	859.799	863.636	867.659	871.863	876.240	880.788	885.498	890.341	895.288
12.5	827.120	831.598	836.319	841.279	846.470	852.556	857.444	863.195	869.146	875.286
15.0	797.511	802.704	808.181	813.932	820.026	826.315	832.912	839.763	846.863	854.128
17.5	767.626	773.410	779.527	786.051	792.887	800.026	807.462	815.211	823.306	831.683
20.0	737.430	743.904	750.688	757.832	765.333	773.183	781.435	790.044	798.971	807.944
22.5	706.521	713.592	721.088	729.001	737.323	745.947	754.363	762.295	770.712	779.766
25.0	675.258	682.877	690.931	699.411	707.172	714.805	722.976	731.644	740.744	750.365
27.5	643.632	651.809	659.534	666.372	673.801	681.833	690.477	699.779	709.654	720.080
30.0	612.070	618.363	624.781	631.994	639.797	648.380	657.305	667.072	677.482	688.584
32.5	577.650	583.691	590.362	597.625	605.473	614.167	623.591	633.622	644.549	656.186
35.0	542.689	548.710	555.647	563.258	571.717	580.317	589.724	600.025	611.152	622.946
37.5	506.347	512.952	520.312	528.374	536.986	546.275	556.207	566.621	577.639	589.759
40.0	470.789	477.341	484.612	492.733	501.794	511.572	521.939	532.988	544.600	556.650
42.5	435.674	442.106	449.237	457.408	466.362	476.179	487.323	498.565	510.711	523.578
45.0	401.000	407.315	414.421	422.473	431.227	441.097	451.789	463.470	476.115	489.440
47.5	366.711	372.970	380.097	387.998	396.697	406.405	416.823	428.553	442.275	454.463
50.0	332.714	339.005	346.142	353.965	362.686	372.186	382.606	393.972	405.611	416.806
52.5	299.025	305.338	312.629	320.325	329.042	339.588	348.818	358.917	368.668	379.811
55.0	265.937	272.200	279.218	287.037	295.725	305.150	314.368	322.588	332.014	342.523
57.5	234.134	240.134	246.651	254.367	262.795	271.395	278.446	286.507	295.445	305.838
60.0	202.972	209.009	215.546	222.811	230.329	236.484	243.131	250.906	259.467	269.300
62.5	172.588	178.590	185.196	192.376	197.554	202.897	209.116	216.177	224.352	233.790
65.0	142.732	148.894	155.593	161.045	165.997	171.051	176.784	182.872	190.421	198.737
67.5	113.207	119.687	125.759	130.616	135.623	140.723	146.068	152.215	158.030	165.647
70.0	83.701	91.023	96.177	101.048	106.286	111.563	116.783	122.266	127.858	134.313
72.5	53.787	62.201	68.994	74.100	78.071	83.283	88.745	94.103	99.899	104.939
75.0	24.742	36.056	44.845	50.678	54.493	57.391	61.474	67.050	72.442	77.721
77.5	5.679	14.692	23.125	30.791	35.403	37.681	38.823	40.736	46.345	51.669

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CANDELA TABULATION - (Cont.)

80.0	0.672	1.586	7.712	13.895	19.724	22.643	22.394	21.761	20.944	26.485
82.5	0.000	0.056	0.861	3.209	7.877	11.147	11.891	9.323	5.879	7.129
85.0	0.000	0.000	0.000	0.393	0.793	3.714	4.505	2.651	0.000	1.384
87.5	0.000	0.000	0.000	0.000	0.126	0.319	0.845	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.014	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	949.347	950.698	952.072	953.471	954.888	956.323	957.771	959.230	961.436	962.155
5.0	934.315	936.978	939.693	942.459	945.267	948.115	950.997	953.907	956.840	959.792
7.5	917.971	921.952	925.999	930.103	934.259	938.490	942.780	947.118	951.501	955.916
10.0	900.370	905.581	910.912	916.356	922.494	927.487	933.149	938.887	944.690	950.552
12.5	881.609	888.077	894.619	901.309	908.135	915.089	922.142	929.241	936.432	943.728
15.0	861.564	869.212	877.063	885.092	893.144	901.358	909.717	918.825	926.755	935.400
17.5	840.332	849.211	858.200	867.420	876.711	885.708	894.839	904.219	915.169	923.571
20.0	816.595	825.650	835.075	844.797	854.736	865.008	875.585	886.244	897.192	909.214
22.5	789.072	798.918	809.303	820.115	831.328	842.772	854.546	868.147	878.934	891.492
25.0	760.507	771.220	782.419	794.111	806.352	819.028	832.035	845.345	859.047	872.928

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

27.5	730.970	742.416	754.437	767.027	780.133	793.808	808.094	822.544	837.417	854.280
30.0	700.294	712.562	725.370	740.297	752.777	767.348	782.487	798.168	814.294	830.752
32.5	668.510	681.528	695.180	709.394	724.223	739.683	755.743	772.384	789.591	807.270
35.0	635.863	649.486	663.830	678.897	694.514	710.805	727.743	745.310	763.473	782.296
37.5	602.649	616.740	631.515	647.220	663.637	680.733	698.486	716.954	736.161	756.075
40.0	569.448	583.493	598.253	614.598	631.537	649.183	667.719	687.091	707.277	728.198
42.5	536.749	550.446	565.209	580.531	597.691	616.074	635.683	655.659	676.745	698.667
45.0	503.434	516.794	530.606	545.950	562.900	581.501	601.570	622.608	644.610	667.422
47.5	468.191	480.531	495.191	510.631	527.449	546.084	566.249	588.022	610.789	634.532
50.0	429.214	442.998	457.950	474.138	491.320	509.751	530.102	551.919	575.406	599.895
52.5	391.496	404.740	419.822	436.088	453.824	472.725	494.118	514.952	538.479	563.666
55.0	354.070	367.040	381.224	397.445	414.975	434.277	454.865	476.838	500.606	526.135
57.5	317.235	329.736	343.415	358.661	375.862	394.612	415.486	437.736	461.512	487.003
60.0	280.406	292.819	306.217	320.599	336.877	355.040	375.562	397.409	421.978	451.019
62.5	243.959	255.716	269.166	283.471	298.547	316.312	334.922	359.427	385.183	414.378
65.0	208.269	219.394	231.753	246.220	261.434	278.400	297.257	320.780	347.112	376.381
67.5	174.003	184.079	195.563	209.670	223.930	241.421	260.841	283.521	308.905	338.945
70.0	141.770	151.259	160.639	172.413	187.116	204.821	224.278	245.683	270.268	297.521
72.5	111.444	118.694	127.320	138.758	151.795	167.632	186.528	207.561	230.935	257.419
75.0	83.058	89.320	98.018	107.567	118.742	131.873	148.600	168.977	191.219	216.513
77.5	56.726	65.066	73.542	80.605	88.772	99.229	112.389	129.942	151.135	175.161
80.0	35.692	45.270	53.105	59.311	63.865	70.493	80.100	93.246	111.545	133.823
82.5	18.589	28.515	36.157	41.869	45.696	47.589	52.545	61.243	74.335	93.289
85.0	5.458	14.221	22.122	27.858	31.113	32.464	31.605	34.781	42.540	55.531
87.5	0.756	4.097	10.560	16.262	19.566	20.635	19.428	15.774	17.088	23.883
90.0	0.000	0.395	2.943	7.312	10.715	11.677	10.293	6.472	0.000	17.088
92.5	0.000	0.000	0.204	1.914	4.321	5.324	3.877	0.000	6.472	15.765
95.0	0.000	0.000	0.000	0.103	0.945	1.421	0.000	3.903	10.293	19.393
97.5	0.000	0.000	0.000	0.000	0.035	0.000	1.469	5.368	11.677	20.550
100.0	0.000	0.000	0.000	0.000	0.000	0.043	0.980	4.391	10.715	19.405
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.146	1.963	7.312	16.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.270	2.943	10.157
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.393	3.887
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.474
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.587
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.251
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	275.0	277.5	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	963.598	965.042	966.482	967.916	969.343	970.760	972.163	973.549	974.915	976.260
5.0	962.684	965.584	968.486	971.382	974.266	977.135	979.980	982.798	985.582	988.324
7.5	960.309	964.670	969.042	973.415	977.778	982.124	986.447	991.753	994.855	998.884
10.0	956.503	962.274	968.113	973.963	979.815	985.657	991.434	997.024	1002.565	1008.046
12.5	951.048	958.373	965.666	972.989	980.328	988.713	994.810	1001.914	1008.928	1015.904
15.0	944.142	953.199	961.693	970.466	979.275	988.083	996.691	1005.284	1013.842	1022.232
17.5	933.489	943.584	953.744	963.992	974.233	984.588	994.746	1004.946	1015.167	1024.881
20.0	919.732	931.274	943.775	954.729	966.583	978.676	990.233	1001.972	1013.713	1024.794
22.5	904.333	917.280	930.479	943.806	957.190	970.808	984.023	997.278	1010.499	1023.078
25.0	887.134	901.599	916.209	931.101	946.008	961.110	976.068	990.800	1005.577	1019.634
27.5	868.293	884.118	900.199	916.494	933.001	949.594	966.441	982.489	999.912	1014.380
30.0	847.664	864.828	882.419	900.094	918.094	936.181	954.509	972.322	990.060	1007.253
32.5	825.324	843.833	862.682	882.044	901.494	921.246	941.056	960.810	979.951	998.893
35.0	801.699	821.536	841.844	862.571	883.527	904.668	925.915	947.363	967.996	988.645
37.5	776.629	797.872	819.196	841.164	863.774	886.081	908.860	931.530	954.088	975.967
40.0	749.827	772.083	794.772	817.923	841.537	865.605	889.574	913.717	937.936	961.222
42.5	721.308	744.633	768.584	792.833	817.588	842.842	868.301	893.849	919.227	944.486
45.0	691.071	715.429	740.412	766.751	791.750	818.216	844.923	871.652	898.526	925.180
47.5	659.066	684.418	710.469	737.045	764.164	791.371	819.174	847.959	877.677	907.284
50.0	625.366	651.601	678.601	706.307	734.388	764.137	794.854	826.008	857.265	888.347
52.5	589.854	617.010	644.907	674.864	706.472	738.231	770.079	802.113	834.498	866.705
55.0	552.720	581.341	612.769	644.829	677.326	710.264	743.347	776.260	809.441	842.945
57.5	516.540	547.937	580.026	612.822	646.370	680.177	714.299	749.484	782.425	816.581
60.0	481.514	513.183	545.845	579.186	613.283	648.203	683.192	718.336	753.525	788.296
62.5	447.139	477.263	510.305	544.228	578.613	613.924	649.997	686.105	722.095	757.995
65.0	407.381	440.232	473.442	507.710	542.567	578.072	614.499	651.558	688.628	725.285
67.5	368.103	400.841	435.060	469.852	505.177	540.936	577.312	614.725	653.115	694.646
70.0	328.572	360.200	394.577	430.285	466.270	502.464	538.971	577.839	618.902	658.831
72.5	286.503	318.117	352.486	388.377	425.406	462.438	502.573	543.768	584.313	624.443
75.0	244.855	275.688	308.840	344.739	381.994	425.317	468.257	509.558	550.012	589.679
77.5	202.304	232.416	264.878	299.494	344.517	389.644	433.359	475.219	515.628	555.122
80.0	159.251	188.143	219.905	264.647	309.567	354.476	398.203	440.525	481.147	520.507
82.5	116.583	143.314	187.985	232.764	276.816	320.263	363.654	405.836	446.642	485.889
85.0	75.041	116.529	159.436	202.844	245.942	288.339	330.152	371.899	412.403	451.563
87.5	55.531	93.347	134.033	175.595	217.200	258.480	299.072	339.098	379.102	417.805
90.0	42.540	74.335	111.545	151.135	191.219	230.651	270.268	308.905	347.112	385.183
92.5	34.732	61.051	92.828	129.331	167.680	206.205	243.963	281.243	317.762	354.123
95.0	31.514	52.223	79.247	110.853	146.563	183.550	220.482	256.249	291.371	327.863
97.5	32.227	47.231	69.404	96.974	128.276	163.111	198.644	234.025	268.966	305.295
100.0	30.688	44.839	62.223	86.074	114.072	145.426	178.856	213.410	248.898	284.242
102.5	26.987	40.573	57.037	76.858	102.000	130.377	161.443	195.217	229.402	264.120
105.0	21.106	34.275	49.752	68.570	90.630	117.263	147.139	178.613	211.264	244.220
107.5	12.793	25.869	41.068	58.769	79.758	106.268	134.458	163.688	194.617	226.095
110.0	4.737	15.030	30.071	48.054	71.876	96.517	122.946	150.540	179.293	209.318
112.5	0.449	5.423	18.200	40.835	63.946	87.808	112.416	138.491	165.346	193.645

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CANDELA TABULATION - (Cont.)

115.0	0.000	2.350	14.888	33.004	55.715	78.891	102.659	127.201	152.740	178.899
117.5	1.708	6.997	15.051	28.884	46.921	69.600	92.714	116.255	140.610	165.527
120.0	3.106	8.536	16.488	26.835	41.848	59.787	82.327	105.242	128.548	152.458
122.5	2.130	6.890	14.653	25.032	37.537	53.478	71.731	93.726	116.301	139.261
125.0	0.501	3.287	9.685	19.696	32.071	46.613	63.453	82.516	103.631	125.769
127.5	0.027	0.698	3.794	11.811	23.261	37.679	53.634	71.429	91.048	111.880
130.0	0.000	0.000	0.814	3.359	12.754	24.903	40.787	58.145	76.918	96.488
132.5	0.000	0.000	0.000	0.814	2.000	12.179	24.159	41.152	60.819	79.983
135.0	0.000	0.000	0.000	0.000	0.663	1.918	10.464	25.980	43.865	62.928
137.5	0.000	0.000	0.000	0.000	0.000	1.761	6.501	14.414	29.702	45.360
140.0	0.000	0.000	0.000	0.056	0.358	2.175	5.419	11.333	19.059	31.420
142.5	0.000	0.000	0.000	0.000	0.251	0.797	2.925	7.358	13.327	21.947
145.0	0.000	0.000	0.000	0.000	0.000	0.169	0.921	1.916	6.841	13.137
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.649	1.701	3.467
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.034
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	977.580	978.872	980.134	981.364	982.557	983.714	984.864	985.906	986.936	987.918
5.0	991.020	993.653	996.132	998.549	1000.899	1003.177	1005.379	1007.498	1009.529	1011.469
7.5	1002.851	1006.748	1010.565	1014.293	1017.923	1021.445	1024.833	1027.911	1030.889	1033.690
10.0	1013.453	1018.775	1023.941	1028.728	1033.396	1037.935	1042.333	1046.576	1050.652	1054.515
12.5	1022.739	1029.109	1035.373	1041.515	1047.518	1053.328	1058.533	1063.567	1068.418	1073.071
15.0	1030.119	1037.917	1045.604	1053.052	1059.812	1066.418	1072.853	1079.094	1084.857	1090.324
17.5	1034.436	1043.940	1053.058	1061.590	1070.000	1078.262	1085.726	1092.810	1099.675	1106.656
20.0	1035.874	1046.823	1056.918	1066.929	1076.768	1085.914	1094.907	1104.431	1112.137	1120.324
22.5	1035.692	1047.783	1059.382	1070.921	1081.670	1092.212	1102.563	1112.478	1122.205	1131.671
25.0	1033.764	1047.167	1060.286	1073.034	1085.086	1097.833	1108.474	1119.729	1130.709	1141.358
27.5	1029.991	1044.836	1059.472	1073.411	1086.861	1100.000	1112.701	1125.235	1137.360	1150.341
30.0	1024.290	1040.671	1056.793	1072.023	1086.841	1101.109	1115.094	1128.716	1142.108	1154.786
32.5	1017.360	1035.410	1053.034	1069.909	1086.371	1102.056	1117.484	1132.215	1146.728	1160.038
35.0	1008.415	1028.125	1047.171	1065.775	1083.891	1101.183	1118.219	1134.316	1150.082	1164.875
37.5	997.403	1018.666	1039.116	1059.441	1079.139	1098.149	1117.632	1134.234	1151.357	1167.594
40.0	984.328	1006.728	1028.823	1051.860	1071.946	1092.797	1112.779	1131.809	1150.356	1167.932
42.5	968.801	992.701	1016.269	1039.301	1062.198	1086.173	1108.495	1130.155	1151.177	1170.898
45.0	951.448	978.421	1004.744	1030.755	1056.583	1081.998	1106.406	1130.100	1152.695	1174.459
47.5	936.826	965.038	993.035	1020.883	1047.950	1074.865	1101.471	1126.709	1151.060	1174.861
50.0	918.920	949.079	979.961	1007.752	1036.500	1064.896	1092.915	1119.951	1146.267	1171.713
52.5	898.811	930.381	961.209	991.809	1022.224	1051.670	1080.978	1110.202	1137.711	1159.676
55.0	875.997	908.831	941.343	972.880	1004.355	1035.674	1065.188	1091.086	1115.339	1137.451
57.5	850.941	884.835	918.216	951.207	983.348	1012.775	1040.553	1066.614	1091.049	1113.342
60.0	823.244	858.198	892.878	925.450	956.655	986.464	1014.543	1040.712	1065.264	1088.161

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CANDELA TABULATION - (Cont.)

62.5	793.563	829.050	863.689	897.165	928.760	958.783	987.238	1013.861	1038.360	1061.322
65.0	762.392	798.380	833.312	867.028	899.435	930.084	958.750	985.687	1010.644	1033.422
67.5	730.352	766.724	801.828	835.895	868.528	899.746	929.239	956.439	981.764	1006.920
70.0	697.425	734.196	769.540	803.604	836.608	868.017	897.939	926.080	953.868	981.724
72.5	663.290	700.762	736.447	770.664	803.526	835.285	865.368	895.937	926.381	954.758
75.0	628.678	666.310	702.535	737.012	769.949	801.454	833.753	866.239	898.322	926.020
77.5	593.749	631.446	667.736	702.976	735.698	769.031	802.967	835.578	866.610	895.785
80.0	558.918	596.350	632.618	667.455	702.208	737.860	771.951	804.292	835.240	865.207
82.5	524.050	561.243	597.353	633.119	670.496	706.095	740.291	772.852	803.524	832.698
85.0	489.323	526.118	562.516	601.386	638.660	674.384	708.368	740.793	771.597	800.700
87.5	455.184	491.362	531.099	570.842	606.911	642.483	676.421	708.702	739.391	768.423
90.0	421.978	461.512	500.606	538.479	575.406	610.789	644.610	676.745	707.277	736.161
92.5	393.352	432.920	471.295	508.466	544.294	579.448	613.053	645.062	675.439	704.187
95.0	366.764	405.422	443.262	479.792	514.928	548.928	581.948	613.772	644.001	672.526
97.5	342.300	379.271	416.157	452.350	487.055	521.469	552.267	582.976	613.049	640.969
100.0	319.289	354.659	390.380	425.558	460.099	493.170	524.435	554.391	582.741	609.599
102.5	298.242	331.911	366.140	400.052	433.787	466.550	498.075	527.692	553.801	579.600
105.0	277.842	310.868	343.427	376.107	408.092	440.553	472.463	499.825	525.966	550.840
107.5	258.039	290.258	322.026	353.491	384.507	415.515	444.877	471.551	497.349	522.141
110.0	239.611	270.571	301.313	331.872	361.961	391.632	417.861	443.511	468.583	493.065
112.5	222.581	251.965	281.646	311.045	340.294	366.752	391.856	416.372	440.584	464.152
115.0	206.461	233.825	262.822	291.193	318.257	342.614	366.725	390.233	413.535	436.127
117.5	191.225	217.602	244.637	271.587	295.498	319.075	342.267	364.989	387.321	409.008
120.0	176.788	201.816	227.028	250.381	273.175	295.947	318.312	340.278	361.757	382.660
122.5	162.575	186.401	208.545	230.109	251.564	273.348	294.728	315.940	336.655	356.865
125.0	148.208	169.474	190.086	210.648	231.162	251.537	271.745	292.042	311.884	331.200
127.5	132.373	151.889	171.871	191.425	211.071	230.517	249.805	268.507	288.040	306.203
130.0	115.555	134.857	153.791	172.580	191.239	210.628	228.095	246.268	264.147	281.721
132.5	99.388	117.421	135.687	153.751	171.595	189.231	206.667	223.812	240.803	257.559
135.0	81.513	99.606	117.423	134.787	151.926	168.812	185.429	202.345	217.843	233.590
137.5	63.431	81.278	98.576	115.481	132.093	148.248	164.133	179.723	194.996	209.936
140.0	46.602	62.306	79.136	95.674	111.709	127.323	142.637	157.521	171.711	186.240
142.5	31.834	45.537	60.293	75.268	90.739	105.891	120.669	134.907	148.810	161.957
145.0	21.051	31.397	42.627	55.943	69.974	84.039	98.059	111.767	125.116	135.100
147.5	10.184	17.671	26.534	37.564	49.348	61.632	74.928	87.888	98.099	107.679
150.0	2.272	3.716	11.183	19.224	27.805	38.489	49.875	60.250	70.170	79.357
152.5	0.000	1.024	2.338	3.749	8.212	16.324	24.493	32.534	41.243	50.127
155.0	0.000	0.000	0.000	0.379	1.934	3.753	5.823	9.267	16.398	23.350
157.5	0.000	0.000	0.004	0.043	0.109	0.202	0.321	2.115	4.107	6.243
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.074	0.177	0.297	0.431
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077	963.077
2.5	988.853	989.737	990.567	991.343	992.064	992.726	993.331	993.873	995.527	995.591
5.0	1013.311	1015.054	1016.693	1018.223	1019.639	1020.944	1022.127	1023.190	1024.131	1024.945
7.5	1036.374	1038.914	1041.301	1043.528	1045.592	1047.487	1049.207	1050.749	1052.109	1053.281

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CANDELA TABULATION - (Cont.)

10.0	1057.932	1061.170	1064.220	1067.071	1069.712	1072.140	1074.344	1076.319	1078.056	1079.555
12.5	1077.510	1081.703	1085.452	1088.960	1092.216	1095.209	1097.926	1100.359	1102.499	1104.340
15.0	1095.553	1100.524	1105.220	1109.589	1113.628	1117.344	1120.726	1123.756	1126.425	1128.711
17.5	1112.542	1118.501	1124.147	1129.459	1134.382	1138.843	1142.893	1146.512	1149.682	1152.388
20.0	1128.260	1135.492	1142.147	1148.407	1154.242	1159.489	1163.855	1167.785	1171.252	1174.232
22.5	1140.773	1149.602	1158.030	1165.305	1171.763	1177.468	1182.649	1187.188	1191.188	1194.620
25.0	1151.783	1161.136	1169.987	1178.943	1186.239	1193.572	1200.167	1205.580	1210.320	1214.326
27.5	1160.177	1170.671	1180.599	1189.950	1198.927	1207.409	1215.463	1223.036	1228.546	1232.481
30.0	1166.877	1178.407	1189.349	1199.914	1209.963	1219.696	1228.196	1235.947	1242.911	1247.900
32.5	1172.996	1184.904	1196.319	1207.702	1218.905	1229.249	1239.544	1246.988	1253.991	1259.694
35.0	1179.046	1192.523	1205.164	1217.224	1228.310	1238.750	1247.519	1256.879	1263.635	1269.764
37.5	1183.106	1198.150	1212.138	1225.593	1238.215	1249.467	1260.448	1267.025	1272.895	1277.023
40.0	1184.857	1201.320	1216.810	1231.638	1246.024	1258.236	1269.355	1278.593	1285.044	1289.507
42.5	1190.058	1208.597	1225.805	1242.104	1257.430	1270.821	1282.547	1292.999	1300.195	1304.795
45.0	1195.642	1215.924	1235.004	1253.134	1270.044	1285.066	1299.048	1311.975	1322.645	1332.072
47.5	1197.918	1219.821	1240.926	1261.115	1279.167	1293.293	1302.791	1310.781	1316.062	1318.952
50.0	1196.268	1219.131	1236.186	1249.830	1262.141	1272.821	1281.361	1288.090	1292.206	1294.169
52.5	1179.794	1197.868	1213.796	1227.945	1240.211	1250.155	1258.429	1266.996	1274.380	1279.818
55.0	1157.165	1175.064	1191.081	1204.686	1216.363	1226.266	1239.222	1250.328	1259.455	1264.932
57.5	1133.583	1151.377	1166.945	1180.527	1194.484	1209.049	1222.054	1233.049	1242.211	1250.747
60.0	1108.445	1126.625	1142.339	1159.935	1176.405	1190.871	1203.566	1214.470	1224.723	1236.021
62.5	1082.356	1101.420	1122.032	1140.475	1156.937	1172.212	1184.272	1195.545	1207.951	1219.426
65.0	1056.109	1079.635	1100.528	1119.511	1136.217	1151.216	1164.105	1177.489	1189.656	1200.573
67.5	1032.376	1056.237	1077.755	1097.092	1114.227	1129.342	1144.125	1157.948	1170.218	1180.968
70.0	1007.519	1031.567	1053.847	1073.565	1091.364	1106.989	1122.491	1136.489	1149.317	1160.329
72.5	982.705	1005.618	1028.362	1048.832	1067.300	1084.198	1099.698	1113.535	1126.096	1137.194
75.0	953.250	978.206	1001.280	1022.524	1041.960	1059.866	1075.699	1089.662	1102.938	1113.082
77.5	923.248	949.192	972.622	995.519	1014.835	1033.546	1049.940	1064.562	1077.537	1088.216
80.0	892.190	918.111	942.251	965.147	985.916	1005.231	1022.178	1037.614	1051.268	1061.643
82.5	860.464	886.386	910.792	933.940	955.339	974.938	992.474	1008.477	1022.635	1032.823
85.0	828.224	854.122	879.028	902.151	923.623	943.369	961.324	977.605	992.052	1001.857
87.5	795.894	821.936	846.974	869.939	891.502	911.305	929.429	945.928	959.800	969.537
90.0	763.473	789.591	814.294	837.417	859.047	878.934	897.192	915.169	926.755	936.385
92.5	731.347	757.133	781.560	804.623	826.247	846.214	864.668	881.591	893.243	902.806
95.0	699.369	724.859	748.995	771.748	793.103	813.112	831.676	848.315	859.189	868.693
97.5	667.527	693.893	716.706	739.214	760.180	780.120	798.471	813.617	824.509	834.043
100.0	635.832	660.802	684.529	706.956	727.980	747.589	765.815	779.311	789.906	799.246
102.5	604.737	629.072	652.512	674.663	695.584	715.217	733.543	745.360	755.694	764.806
105.0	574.850	598.350	621.067	642.746	663.455	682.893	699.631	711.127	721.440	730.536
107.5	545.987	568.698	590.496	611.463	631.725	650.920	667.171	676.971	687.071	696.059
110.0	516.635	539.122	560.636	581.135	600.657	619.232	631.914	642.798	652.714	661.523
112.5	487.020	509.253	530.561	550.805	569.995	587.019	598.542	609.121	618.697	627.158
115.0	458.220	479.646	500.213	520.122	539.146	554.098	565.414	575.676	584.978	593.298
117.5	430.298	450.895	470.729	489.998	508.392	520.831	531.842	541.991	551.159	559.336
120.0	403.132	422.922	442.061	460.624	476.921	488.309	498.915	508.686	517.547	525.482
122.5	376.550	395.597	414.059	431.907	445.474	456.397	466.609	475.965	484.550	492.219
125.0	350.344	368.733	386.548	403.352	414.582	425.808	434.873	443.896	452.111	459.509
127.5	324.403	342.791	359.263	373.236	384.064	394.186	403.593	412.250	420.143	427.200
130.0	298.881	315.647	332.127	343.246	353.654	363.399	372.457	380.798	388.414	395.290
132.5	273.941	289.927	303.185	313.466	323.394	332.640	341.326	349.335	356.653	363.269
135.0	248.970	263.745	274.423	284.404	293.676	302.590	310.751	318.277	325.155	331.377
137.5	224.521	236.132	245.990	255.331	265.026	272.509	280.304	287.496	294.071	300.013
140.0	198.796	208.615	217.944	226.694	235.087	242.910	250.186	256.904	263.049	268.610
142.5	171.778	181.109	189.964	198.327	206.191	213.548	220.381	226.679	232.430	237.623
145.0	144.478	153.403	161.865	169.850	177.303	184.238	190.667	196.586	201.979	206.842
147.5	116.688	125.232	133.370	141.442	148.083	154.662	160.757	166.357	171.455	176.040

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CANDELA TABULATION - (Cont.)

150.0	88.104	96.397	104.233	111.547	118.264	124.523	130.313	135.627	140.453	144.787
152.5	58.582	66.601	74.172	81.138	87.577	93.559	99.079	104.129	108.702	112.795
155.0	30.106	36.649	43.020	49.618	55.783	61.509	66.786	71.608	75.970	79.867
157.5	8.503	10.871	15.170	20.464	25.488	30.227	34.664	38.779	42.555	45.974
160.0	0.579	1.094	2.906	4.744	6.597	8.439	10.239	12.017	13.712	15.314
162.5	0.000	0.105	0.218	0.340	0.463	0.589	0.715	0.840	0.962	1.079
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	963.077	963.077	963.077	963.077	963.077
2.5	995.655	995.719	995.786	995.850	995.916
5.0	1026.679	1026.782	1026.885	1026.990	1027.095
7.5	1054.267	1055.930	1056.047	1056.166	1056.284
10.0	1080.807	1081.811	1083.073	1083.195	1083.318
12.5	1105.871	1107.094	1108.635	1108.746	1108.857
15.0	1130.613	1132.122	1134.048	1134.137	1134.232
17.5	1154.613	1156.354	1157.602	1158.599	1158.611
20.0	1176.702	1178.644	1180.041	1181.166	1181.166
22.5	1197.452	1199.662	1201.228	1202.468	1202.394
25.0	1217.558	1219.996	1221.623	1222.826	1222.462
27.5	1235.673	1238.071	1239.624	1240.773	1240.209
30.0	1250.870	1253.006	1254.267	1255.060	1254.139
32.5	1264.098	1266.277	1267.287	1267.672	1266.081
35.0	1274.333	1277.872	1278.578	1277.968	1276.197
37.5	1282.150	1285.264	1287.515	1286.486	1284.325
40.0	1290.471	1290.409	1293.067	1293.664	1289.466
42.5	1307.028	1307.180	1302.570	1297.991	1292.451
45.0	1340.204	1346.163	1350.563	1340.890	1310.362
47.5	1318.406	1312.049	1306.329	1297.946	1292.451
50.0	1295.890	1293.944	1292.599	1294.440	1289.466
52.5	1281.569	1283.880	1287.019	1287.172	1284.325
55.0	1271.078	1275.662	1279.513	1278.716	1276.197
57.5	1258.965	1264.640	1267.869	1267.824	1266.081
60.0	1244.948	1251.515	1254.306	1255.000	1254.139
62.5	1228.872	1236.050	1239.084	1240.477	1240.209
65.0	1210.136	1216.913	1220.573	1222.400	1222.462
67.5	1190.095	1195.761	1199.559	1202.573	1202.394
70.0	1169.034	1174.274	1178.082	1181.166	1181.166
72.5	1145.653	1151.313	1155.361	1158.572	1158.611
75.0	1120.652	1126.308	1130.473	1133.877	1134.232
77.5	1095.222	1100.812	1104.954	1108.355	1108.857
80.0	1068.879	1074.682	1079.024	1082.622	1083.318
82.5	1040.595	1046.815	1051.495	1055.384	1056.284
85.0	1010.021	1016.623	1021.661	1025.898	1027.095
87.5	977.821	984.614	989.898	994.417	995.916
90.0	944.690	951.501	956.840	961.436	963.077
92.5	910.961	917.713	923.046	927.662	929.410
95.0	876.810	883.525	888.831	893.424	895.245

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CANDELA TABULATION - (Cont.)

97.5	842.138	848.981	854.381	859.076	861.080
100.0	807.312	814.086	819.557	824.371	826.585
102.5	772.681	779.311	784.697	789.453	791.756
105.0	738.412	745.065	750.497	755.313	757.758
107.5	703.913	710.616	716.161	721.125	723.759
110.0	669.216	675.787	681.231	686.109	688.764
112.5	634.721	641.218	646.641	651.523	654.269
115.0	600.626	606.944	612.245	616.935	619.772
117.5	566.519	572.704	577.888	582.570	585.277
120.0	532.489	538.557	543.682	548.337	551.113
122.5	499.010	504.913	509.926	514.493	517.278
125.0	466.078	471.810	476.700	481.170	483.944
127.5	433.593	439.130	443.870	448.212	450.939
130.0	401.416	406.783	411.385	415.605	418.267
132.5	369.170	374.346	378.785	382.861	385.430
135.0	336.927	341.798	345.983	349.825	352.261
137.5	305.315	309.966	313.954	317.616	319.921
140.0	273.574	277.929	282.948	285.097	287.249
142.5	242.251	246.301	250.972	252.939	254.907
145.0	211.165	214.937	219.295	221.097	222.900
147.5	180.106	183.649	187.748	189.402	191.056
150.0	148.620	151.947	155.811	157.321	158.833
152.5	116.400	119.516	123.050	124.509	125.877
155.0	83.293	86.243	89.690	90.949	92.210
157.5	49.018	51.671	54.812	55.956	57.101
160.0	16.801	18.149	19.766	20.456	21.146
162.5	1.189	1.291	1.411	1.469	1.526
165.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	354.93	N.A.	7.70
0-30	764.46	N.A.	16.60
0-40	1278.9	N.A.	27.70
0-60	2424.12	N.A.	52.50
0-80	3370.84	N.A.	73.00
0-90	3722.29	N.A.	80.60
10-90	3631.16	N.A.	78.60
20-40	923.97	N.A.	20.00
20-50	1497.15	N.A.	32.40
40-70	1662.09	N.A.	36.00
60-80	946.72	N.A.	20.50
70-80	429.86	N.A.	9.30
80-90	351.45	N.A.	7.60
90-110	509.85	N.A.	11.00
90-120	676.16	N.A.	14.60
90-130	789.87	N.A.	17.10
90-150	888.40	N.A.	19.20
90-180	895.86	N.A.	19.40
110-180	386.01	N.A.	8.40
0-180	4618.16	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	91.13
10-20	263.80
20-30	409.53
30-40	514.44
40-50	573.18
50-60	572.04
60-70	516.86
70-80	429.86
80-90	351.45
90-100	285.30
100-110	224.56
110-120	166.31
120-130	113.71
130-140	67.24
140-150	31.29
150-160	7.35
160-170	0.11
170-180	0.00

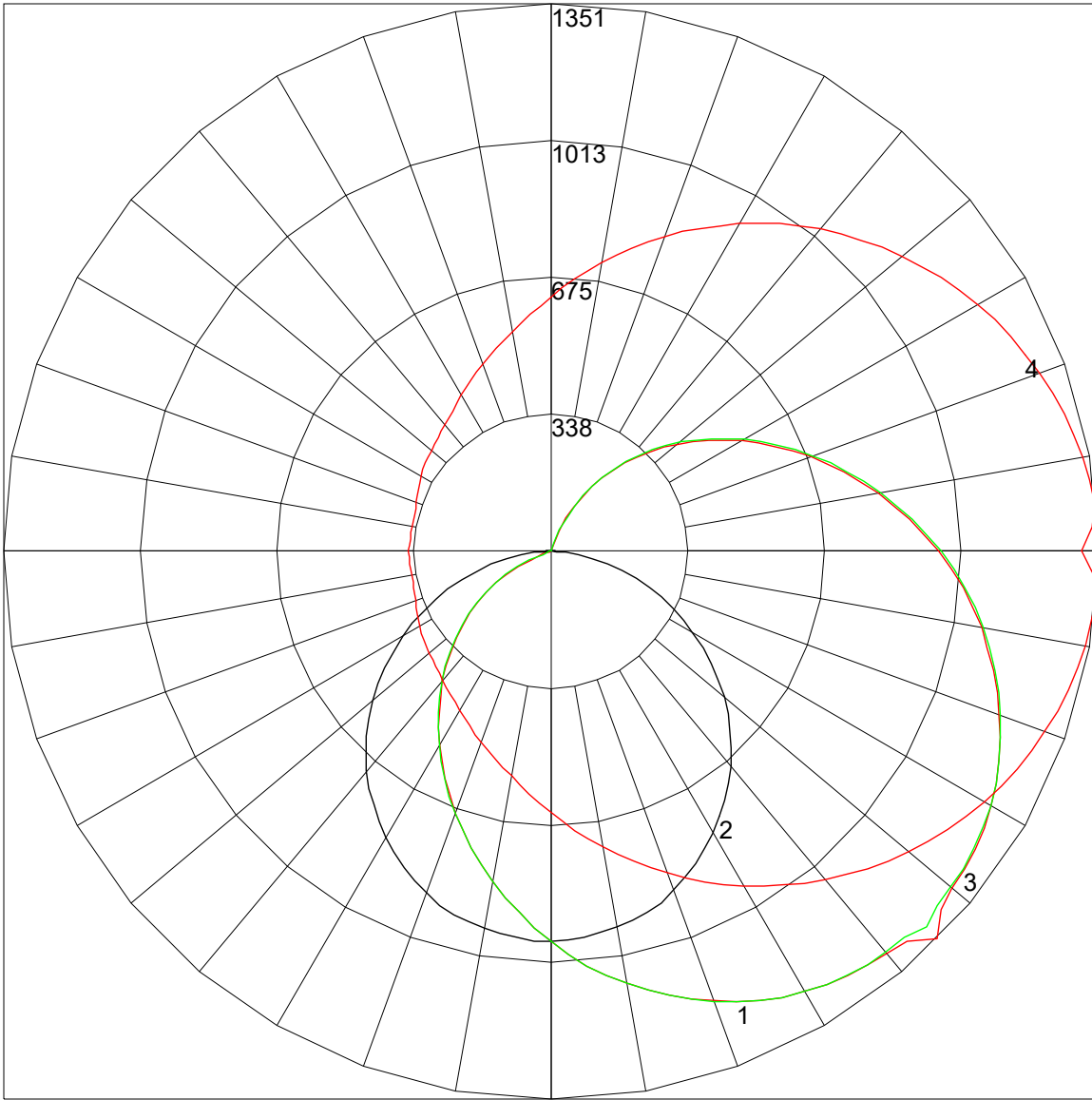
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	114	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	81
1	101	95	90	85	85	96	91	86	82	83	79	76	76	73	70	69	67	64	61
2	91	81	74	67	67	86	78	71	65	71	65	60	65	60	56	59	55	52	48
3	82	71	62	54	54	78	67	59	53	62	55	49	56	51	46	51	47	43	40
4	75	62	52	45	45	71	59	51	44	54	47	41	50	43	39	45	40	36	33
5	69	55	45	38	38	65	53	44	37	48	41	35	44	38	33	40	35	31	28
6	63	49	40	33	33	60	47	38	32	43	36	30	40	33	29	36	31	27	24
7	58	44	35	29	29	55	43	34	28	39	32	27	36	30	25	33	28	24	21
8	54	40	31	25	25	51	39	31	25	36	29	24	33	27	22	30	25	21	19
9	50	37	28	23	23	48	35	28	22	33	26	21	30	24	20	28	23	19	17
10	47	34	26	20	20	45	33	25	20	30	24	19	28	22	18	26	21	17	15

POLAR GRAPH



Maximum Candela = 1350.563 Located At Horizontal Angle = 355, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (355 - 175) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)