



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]1410211019-002-001-P1
[TESTLAB]Intertek
[ISSUE DATE]10/27/2014
[MANUFACTURER]LAMAR LIGHTING CO., INC.
[LUMEN CATEGORY]MCNL48HFA50
[MORE]HIGH POWER SETTING (OUTPUT 1141MA)
[LUMINAIRE]SURFACE MOUNT
[LAMP]LED
[LAMP CATEGORY]NA. LUMINAIRE OUTPUT = 5133 LMS
[OTHER]120.03 VAC, 417.8 mA, 50 W, 0.9918 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5134
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	50
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	2.04
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.54 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12108	8516	4085
55	14556	9245	3254
65	18456	10272	2421
75	26749	12386	1692
85	62827	20232	651

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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	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1222.718	1222.372	1222.027	1221.683	1221.341	1221.003	1220.668	1218.245	1217.285	1216.250
5.0	1266.417	1265.765	1265.115	1264.468	1263.826	1260.898	1259.265	1257.461	1255.491	1253.358
7.5	1312.393	1311.436	1310.482	1309.534	1306.155	1303.858	1301.274	1298.410	1295.274	1291.873
10.0	1355.262	1354.085	1352.913	1349.929	1347.357	1344.392	1341.043	1337.315	1333.219	1328.764
12.5	1398.961	1397.507	1396.058	1392.167	1388.840	1384.923	1380.650	1375.814	1370.504	1364.740
15.0	1440.588	1438.862	1437.145	1432.435	1428.419	1423.775	1418.519	1412.673	1406.260	1399.305
17.5	1478.487	1476.586	1473.155	1469.348	1464.792	1459.499	1453.489	1446.788	1439.423	1431.426
20.0	1518.043	1515.793	1511.579	1506.907	1501.314	1494.833	1487.508	1479.386	1470.491	1460.951
22.5	1555.321	1552.629	1547.633	1542.191	1535.674	1528.170	1519.746	1510.467	1500.403	1489.145
25.0	1585.765	1582.701	1577.327	1571.433	1564.485	1556.545	1547.687	1537.987	1526.761	1514.357
27.5	1613.930	1610.160	1603.797	1596.936	1589.021	1580.167	1570.494	1560.480	1549.285	1536.859
30.0	1636.918	1633.199	1626.616	1619.292	1610.546	1600.455	1591.700	1581.547	1569.903	1556.765
32.5	1660.321	1655.607	1647.507	1638.942	1629.502	1622.527	1613.036	1601.611	1589.698	1573.582
35.0	1679.374	1672.731	1664.359	1654.958	1650.003	1642.582	1632.089	1619.793	1604.867	1588.104
37.5	1695.321	1686.959	1676.856	1673.695	1669.218	1660.438	1648.348	1632.377	1616.847	1596.103
40.0	1707.954	1696.172	1692.559	1689.941	1680.885	1669.488	1655.009	1639.420	1621.100	1600.447
42.5	1712.924	1705.022	1703.454	1693.580	1683.014	1671.512	1658.546	1643.281	1624.345	1603.043
45.0	1711.060	1709.222	1705.035	1698.577	1689.042	1676.820	1662.512	1645.799	1625.282	1602.394
47.5	1712.924	1706.287	1701.567	1690.721	1682.638	1671.254	1657.126	1640.421	1619.992	1596.062
50.0	1707.954	1693.938	1693.549	1687.167	1674.331	1659.892	1645.004	1627.250	1606.531	1582.300
52.5	1695.321	1684.429	1676.986	1673.899	1664.608	1649.116	1631.051	1612.453	1587.880	1562.612
55.0	1679.374	1669.886	1658.052	1653.830	1647.004	1632.023	1614.073	1592.354	1567.217	1538.472
57.5	1660.321	1651.528	1640.311	1631.504	1622.603	1609.628	1592.513	1570.278	1544.845	1514.954
60.0	1636.918	1629.211	1618.869	1607.006	1597.095	1583.980	1566.970	1545.004	1518.274	1488.333
62.5	1613.930	1605.415	1594.537	1581.559	1570.231	1556.335	1537.778	1516.022	1488.537	1459.315
65.0	1585.765	1577.935	1567.645	1554.986	1541.234	1525.851	1505.729	1482.552	1455.315	1423.791
67.5	1555.321	1548.836	1536.871	1523.743	1508.381	1491.238	1470.381	1446.002	1418.294	1386.427
70.0	1518.043	1511.864	1500.284	1487.487	1472.242	1454.098	1432.624	1407.621	1379.462	1347.309
72.5	1478.487	1472.461	1461.475	1449.195	1434.398	1416.182	1393.917	1368.047	1339.206	1306.946
75.0	1440.588	1434.151	1422.704	1410.027	1394.917	1376.868	1355.067	1327.190	1297.805	1265.060
77.5	1398.961	1392.404	1380.905	1368.186	1353.055	1335.582	1312.120	1284.816	1254.486	1221.332
80.0	1355.262	1348.592	1337.231	1324.589	1309.467	1291.856	1268.874	1241.218	1211.022	1178.417
82.5	1312.393	1305.129	1293.187	1280.065	1264.609	1246.858	1225.203	1197.731	1168.002	1136.023
85.0	1266.417	1258.969	1247.228	1234.332	1219.183	1201.771	1181.927	1154.858	1125.650	1094.011
87.5	1222.718	1214.795	1202.874	1189.921	1174.930	1157.913	1138.896	1113.512	1084.004	1052.530
90.0	1179.642	1171.479	1159.472	1146.465	1131.488	1114.547	1095.656	1073.630	1042.799	1011.516
92.5	1136.358	1127.944	1115.863	1102.863	1088.036	1071.404	1052.998	1031.510	1002.612	971.608
95.0	1092.867	1084.403	1072.436	1059.628	1045.129	1028.978	1011.223	991.919	963.775	932.835
97.5	1049.169	1040.862	1029.234	1016.818	1002.815	987.268	970.226	951.744	926.152	895.157
100.0	1005.885	997.811	986.533	974.519	961.010	946.060	929.728	912.079	889.141	857.119
102.5	962.187	954.492	943.642	932.001	918.788	904.014	887.699	869.869	850.199	818.496
105.0	918.281	910.584	899.861	888.396	875.445	861.026	845.168	827.901	809.242	780.576
107.5	874.376	866.783	856.207	844.915	832.183	818.039	802.520	785.663	769.281	742.401
110.0	829.228	822.118	811.497	800.423	787.910	773.989	758.698	742.074	724.320	703.528
112.5	782.217	775.109	765.144	754.487	742.436	729.017	714.253	698.176	680.817	662.442
115.0	735.826	728.904	719.287	709.016	697.429	684.547	670.391	654.989	638.369	620.809
117.5	690.471	683.732	674.410	664.480	653.316	640.949	627.411	612.737	596.963	580.287
120.0	645.117	638.702	629.821	620.367	609.753	598.011	585.179	571.296	556.403	540.596
122.5	599.969	593.967	585.602	576.692	566.672	555.578	543.445	530.312	516.218	501.242
125.0	555.028	549.459	541.646	533.312	523.921	513.504	502.094	489.726	476.436	463.211
127.5	510.709	505.554	498.234	490.415	481.582	471.767	461.004	449.328	436.777	423.385
130.0	466.182	461.476	454.713	447.483	439.299	430.194	420.205	409.367	397.719	385.297
132.5	422.070	417.859	411.688	405.077	397.564	389.183	379.972	369.968	359.210	347.734

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CANDELA TABULATION - (Cont.)

135.0	378.165	374.488	368.977	363.043	356.246	348.614	340.173	330.950	320.976	310.278
137.5	335.502	332.235	327.244	321.975	315.641	308.637	301.027	292.333	283.081	273.189
140.0	293.668	290.758	287.851	281.461	275.877	269.559	262.521	254.779	246.349	237.249
142.5	254.319	251.663	249.010	243.258	238.228	232.550	226.238	219.306	211.771	203.650
145.0	217.455	215.070	212.686	207.569	203.102	198.078	192.514	186.428	179.838	172.763
147.5	182.869	180.830	178.793	174.456	170.671	166.420	161.719	156.585	151.034	145.083
150.0	152.011	150.308	148.720	144.998	141.844	138.300	134.379	130.094	125.457	120.480
152.5	124.881	123.455	122.031	119.064	116.461	113.542	110.313	106.786	102.967	98.868
155.0	101.479	100.279	99.080	96.641	94.498	92.102	89.462	86.586	83.480	80.158
157.5	81.183	80.201	79.221	77.257	75.531	73.609	71.498	69.206	66.741	64.112
160.0	63.580	62.825	62.070	60.547	59.211	57.722	56.088	54.313	52.405	50.370
162.5	48.461	47.907	47.354	46.262	45.254	44.155	42.979	41.623	40.197	38.687
165.0	36.243	35.817	35.391	34.546	33.801	32.973	32.062	31.073	30.009	28.872
167.5	25.888	25.587	25.286	24.986	24.205	23.600	22.967	22.279	21.572	20.751
170.0	17.604	17.404	17.204	17.005	16.458	16.069	15.642	15.177	14.676	14.141
172.5	10.769	10.648	10.527	10.406	10.075	9.839	9.581	9.300	8.999	8.677
175.0	5.385	5.330	5.275	5.221	5.166	4.939	4.812	4.674	4.525	4.368
177.5	1.243	1.235	1.227	1.219	1.210	1.202	1.195	1.134	1.111	1.086
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>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	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1215.142	1213.963	1212.715	1211.402	1210.026	1208.590	1207.096	1205.478	1203.949	1202.302
5.0	1251.068	1248.625	1246.035	1243.304	1240.437	1237.442	1234.324	1231.091	1227.750	1224.309
7.5	1288.217	1284.313	1280.173	1275.807	1271.226	1266.442	1261.466	1256.312	1250.991	1245.664
10.0	1323.963	1318.827	1313.372	1307.612	1301.563	1295.243	1288.433	1281.352	1274.052	1266.554
12.5	1358.539	1351.925	1344.917	1337.541	1329.729	1321.562	1313.069	1304.279	1295.218	1285.912
15.0	1391.836	1383.882	1375.306	1366.111	1356.503	1346.515	1336.183	1325.476	1314.251	1302.743
17.5	1422.832	1413.284	1403.059	1392.342	1381.177	1370.059	1357.134	1344.350	1331.268	1317.668
20.0	1450.689	1439.762	1428.231	1416.151	1403.027	1388.751	1373.993	1360.019	1342.627	1326.193
22.5	1477.093	1464.280	1450.646	1435.996	1420.607	1404.598	1387.500	1369.752	1351.638	1332.648
25.0	1501.153	1487.830	1471.083	1454.351	1436.818	1418.148	1398.913	1378.766	1357.907	1338.139
27.5	1523.096	1506.735	1489.534	1470.874	1450.764	1431.804	1407.826	1385.238	1361.668	1337.598
30.0	1540.953	1524.067	1504.856	1484.353	1462.302	1438.731	1414.241	1388.608	1362.465	1335.661
32.5	1557.099	1537.749	1517.180	1494.009	1470.076	1443.792	1416.988	1388.435	1359.661	1329.797
35.0	1568.177	1547.270	1523.641	1498.944	1472.531	1444.564	1415.207	1384.320	1353.018	1320.117
37.5	1575.105	1551.687	1526.309	1499.840	1470.921	1441.011	1409.260	1375.955	1343.827	1306.263
40.0	1578.269	1551.845	1524.508	1495.735	1464.822	1432.766	1398.731	1363.032	1326.343	1287.918
42.5	1579.084	1551.700	1522.722	1492.155	1458.926	1424.198	1387.946	1348.794	1308.303	1266.394
45.0	1577.165	1548.650	1518.038	1485.666	1450.846	1413.790	1375.179	1334.481	1291.340	1247.224
47.5	1569.592	1540.736	1508.247	1473.782	1437.504	1398.539	1357.461	1314.761	1269.869	1223.565
50.0	1554.767	1525.012	1493.678	1456.752	1418.268	1377.985	1335.089	1289.821	1243.312	1195.734
52.5	1535.011	1503.963	1470.253	1434.027	1394.654	1352.046	1307.034	1260.558	1212.147	1163.074
55.0	1509.495	1478.231	1444.290	1406.434	1365.985	1322.945	1276.112	1227.370	1177.002	1126.371
57.5	1482.328	1448.493	1413.029	1374.882	1333.504	1288.461	1241.284	1192.157	1140.856	1088.516
60.0	1455.224	1417.984	1378.270	1338.911	1296.031	1250.720	1202.912	1153.204	1102.142	1049.902
62.5	1423.609	1386.042	1344.795	1299.356	1255.228	1209.233	1161.394	1111.991	1061.123	1009.307
65.0	1388.767	1350.693	1308.298	1262.631	1213.134	1165.085	1117.701	1068.610	1018.365	967.170
67.5	1351.273	1312.350	1269.887	1223.902	1174.398	1122.484	1072.058	1023.742	974.217	923.769
70.0	1312.038	1272.699	1230.079	1183.526	1134.642	1083.306	1029.613	977.669	928.918	879.441
72.5	1271.661	1231.656	1188.325	1142.784	1096.899	1044.101	990.985	935.554	882.756	834.502
75.0	1228.704	1189.383	1147.262	1102.452	1055.053	1004.843	954.040	897.656	841.537	789.623
77.5	1185.921	1149.540	1107.061	1062.708	1015.345	965.689	913.938	860.479	805.585	750.475
80.0	1143.801	1107.325	1067.200	1022.730	976.187	927.884	876.389	824.034	770.851	716.847

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82.5	1101.839	1065.237	1026.546	983.959	937.725	889.307	840.124	788.438	736.926	683.180
85.0	1060.105	1024.115	985.975	945.292	899.460	852.181	803.307	753.145	701.756	649.174
87.5	1018.938	983.136	945.350	905.291	861.929	815.218	767.056	717.610	666.863	614.952
90.0	978.084	942.799	905.341	865.735	823.910	778.135	730.683	681.835	631.718	581.118
92.5	938.487	903.692	866.082	826.672	785.131	740.916	694.024	646.159	597.379	547.732
95.0	899.788	864.771	827.644	788.239	746.581	703.209	657.977	611.135	563.304	514.819
97.5	862.125	826.653	788.986	750.915	708.798	666.398	622.251	576.202	529.935	484.437
100.0	823.292	787.804	750.827	712.156	671.796	629.806	586.623	542.234	497.559	452.517
102.5	785.127	750.085	713.354	674.995	635.167	594.072	552.121	509.889	466.947	424.151
105.0	747.347	712.522	676.023	638.170	599.259	559.702	519.286	479.078	438.903	397.525
107.5	709.196	674.617	638.969	602.278	564.644	526.815	488.624	449.841	411.131	372.280
110.0	671.001	637.826	602.828	567.608	531.509	495.399	458.736	421.923	384.975	348.870
112.5	633.470	601.045	567.894	534.277	499.914	465.273	430.265	395.004	360.098	325.140
115.0	597.001	566.002	534.247	502.109	469.291	436.116	402.884	369.296	336.491	303.642
117.5	561.595	531.961	501.553	470.818	439.561	407.931	376.543	344.975	313.785	282.850
120.0	523.965	498.511	469.505	440.203	410.592	380.657	350.892	321.089	291.576	262.605
122.5	485.500	465.384	437.881	410.046	381.998	353.714	325.633	297.730	269.891	242.630
125.0	447.328	431.613	406.282	380.014	353.758	327.307	300.869	274.672	248.489	222.851
127.5	409.432	394.790	375.134	351.357	325.948	301.189	276.900	251.716	227.239	203.184
130.0	372.289	358.679	344.513	321.377	298.215	274.961	251.664	228.660	205.918	184.464
132.5	335.609	322.837	309.420	291.690	270.375	248.435	226.813	205.594	184.691	164.154
135.0	298.924	286.972	274.382	261.181	241.579	221.812	202.080	183.097	164.014	145.776
137.5	263.617	251.580	239.979	227.764	213.241	195.705	178.238	161.257	144.472	128.721
140.0	227.497	217.629	207.260	196.357	184.942	171.017	155.944	140.967	126.476	113.104
142.5	194.960	186.147	177.107	167.650	157.796	147.847	135.512	123.165	110.298	98.712
145.0	165.223	157.513	149.879	141.905	133.609	125.011	116.850	106.076	95.698	85.212
147.5	138.749	132.419	125.664	118.941	111.936	104.685	97.488	90.540	81.644	72.853
150.0	115.177	109.561	104.081	98.505	92.689	86.643	80.379	74.690	68.891	61.979
152.5	94.498	89.867	85.176	80.640	75.919	71.121	65.964	61.054	56.495	51.852
155.0	76.618	72.877	68.942	65.292	61.561	57.709	53.745	49.677	45.951	42.295
157.5	61.324	58.387	55.309	52.251	49.326	46.328	43.212	40.036	36.852	33.864
160.0	48.214	45.944	43.566	41.086	38.758	36.413	33.988	31.485	28.911	26.575
162.5	37.043	35.322	33.509	31.609	29.686	27.877	26.064	24.201	22.292	20.340
165.0	27.666	26.393	25.057	23.661	22.207	20.831	19.438	18.113	16.756	15.370
167.5	19.914	19.031	18.105	17.139	16.133	15.090	14.012	13.051	12.084	11.096
170.0	13.573	12.973	12.343	11.684	10.998	10.313	9.549	8.789	8.145	7.424
172.5	8.336	7.977	7.601	7.208	6.801	6.379	5.943	5.495	5.035	4.564
175.0	4.198	4.020	3.834	3.640	3.439	3.231	3.016	2.796	2.570	2.339
177.5	1.059	1.031	1.001	0.970	0.937	0.904	0.869	0.833	0.796	0.759
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	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1200.611	1198.880	1197.111	1195.308	1193.476	1191.617	1189.735	1187.835	1185.921	1183.995
5.0	1220.776	1217.158	1213.464	1209.701	1205.946	1202.151	1198.315	1194.446	1190.554	1186.645
7.5	1240.214	1234.638	1228.949	1223.161	1217.289	1211.287	1205.343	1200.699	1193.409	1187.470
10.0	1258.876	1251.031	1243.061	1235.121	1227.108	1219.012	1210.850	1202.643	1194.410	1186.357
12.5	1276.100	1266.079	1255.900	1245.589	1235.171	1224.823	1214.251	1204.014	1193.578	1184.621
15.0	1290.988	1279.021	1266.627	1254.048	1241.368	1228.618	1215.931	1203.255	1190.588	1177.962
17.5	1302.994	1288.112	1273.073	1257.786	1242.365	1226.945	1211.585	1196.430	1181.380	1166.478
20.0	1309.526	1292.021	1274.302	1256.500	1238.596	1220.724	1202.940	1185.454	1168.149	1151.204
22.5	1313.338	1293.765	1273.259	1252.520	1232.236	1211.911	1191.732	1171.941	1152.417	1133.214
25.0	1314.692	1292.549	1269.594	1246.246	1223.086	1200.333	1177.798	1155.785	1134.102	1112.783
27.5	1313.225	1288.364	1262.964	1236.799	1210.964	1185.845	1162.678	1136.908	1113.149	1089.662

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CANDELA TABULATION - (Cont.)

30.0	1308.582	1280.934	1253.043	1223.954	1195.727	1168.333	1141.444	1115.258	1089.410	1063.782
32.5	1299.810	1269.217	1238.323	1206.740	1175.953	1146.062	1116.987	1088.712	1060.807	1033.504
35.0	1287.178	1253.646	1219.797	1185.702	1152.546	1120.172	1088.822	1058.195	1028.045	998.948
37.5	1270.327	1234.002	1197.298	1160.885	1125.394	1090.785	1057.184	1024.264	992.154	961.496
40.0	1248.958	1212.056	1170.716	1132.145	1094.389	1057.692	1021.959	987.035	952.881	921.011
42.5	1222.881	1181.265	1140.007	1099.271	1059.503	1020.837	982.911	946.579	911.461	877.904
45.0	1202.124	1156.607	1111.276	1066.150	1021.606	980.214	940.908	903.014	866.656	832.285
47.5	1176.834	1129.843	1082.870	1036.421	990.576	945.433	901.037	857.389	819.574	784.745
50.0	1147.255	1098.904	1052.909	1003.254	956.444	910.359	865.238	821.603	779.307	739.025
52.5	1113.665	1064.186	1015.220	966.910	919.396	872.914	827.505	783.714	741.821	701.203
55.0	1075.987	1025.930	976.350	927.715	880.000	833.236	788.228	744.741	702.457	662.007
57.5	1035.303	984.351	934.771	886.049	838.326	792.253	747.444	705.099	662.219	621.428
60.0	996.889	943.554	890.592	842.366	795.383	749.555	705.141	662.319	620.434	579.572
62.5	956.830	903.983	851.498	799.428	750.681	705.602	661.869	619.238	577.646	537.261
65.0	915.351	863.483	811.807	760.507	709.997	660.544	617.275	575.242	534.376	494.358
67.5	872.913	821.996	771.441	721.519	671.781	624.674	573.482	530.874	490.586	451.311
70.0	829.660	780.137	731.118	682.124	633.255	584.785	536.755	489.370	446.860	408.461
72.5	786.289	738.504	690.561	642.603	594.702	546.977	499.670	453.361	407.846	365.654
75.0	743.421	696.828	650.011	602.944	555.796	508.824	462.682	417.232	372.509	329.101
77.5	700.694	655.718	609.236	562.918	516.538	470.770	425.611	381.073	337.755	295.942
80.0	661.979	613.329	568.064	522.524	477.340	432.717	388.598	345.547	303.879	263.422
82.5	628.913	573.759	526.512	482.118	438.287	394.827	352.222	310.924	270.731	231.989
85.0	595.592	541.836	486.304	442.074	399.513	357.533	316.838	277.138	238.741	203.590
87.5	562.375	510.259	455.708	402.456	361.243	321.390	282.432	244.526	209.714	176.815
90.0	529.584	477.649	425.737	373.706	324.360	286.407	249.339	214.891	182.322	151.451
92.5	497.281	447.031	396.611	346.614	297.711	252.918	218.936	186.903	156.399	127.567
95.0	466.043	417.474	368.726	321.397	274.530	228.848	190.366	160.541	132.452	106.247
97.5	436.150	389.362	343.213	297.930	253.712	210.513	169.377	136.502	111.396	87.317
100.0	407.890	363.151	319.481	276.191	234.185	194.065	155.382	119.684	92.734	71.029
102.5	381.380	339.023	297.344	256.333	217.168	179.358	143.709	110.361	78.963	57.992
105.0	356.571	316.405	276.706	238.468	201.738	166.287	133.396	102.244	73.922	48.932
107.5	333.201	295.291	257.764	222.297	187.642	154.932	124.712	95.442	70.118	47.160
110.0	311.511	275.644	240.815	207.243	174.732	144.580	115.921	90.064	66.654	45.684
112.5	291.164	257.267	224.698	193.007	163.113	135.351	108.497	84.861	63.247	44.748
115.0	271.602	239.773	209.222	179.536	151.767	125.322	101.496	79.591	60.116	43.566
117.5	252.507	222.862	193.989	166.369	140.448	116.260	94.297	74.056	56.974	41.909
120.0	233.900	205.959	178.480	153.168	129.043	107.055	86.775	68.914	53.304	39.825
122.5	215.523	189.374	163.793	139.713	117.550	97.536	79.082	63.254	49.044	37.539
125.0	197.610	173.067	149.414	126.706	105.969	87.664	71.466	57.196	44.985	34.849
127.5	179.962	156.817	135.245	114.261	95.205	77.638	63.774	51.047	40.904	31.834
130.0	162.049	141.060	121.434	102.749	85.522	69.848	56.218	45.712	36.514	28.648
132.5	144.738	126.060	108.261	92.150	76.895	63.377	50.741	40.041	31.767	25.218
135.0	128.259	112.122	96.412	82.444	69.275	57.248	46.295	36.397	27.821	21.516
137.5	113.252	99.342	86.015	73.471	62.351	51.194	41.931	33.184	25.733	18.934
140.0	99.993	87.581	76.116	65.005	55.176	45.968	37.606	30.228	23.414	17.641
142.5	87.493	76.515	66.727	57.366	48.564	40.868	33.500	27.164	21.311	16.301
145.0	75.791	66.575	58.041	50.147	42.639	35.944	29.865	24.366	19.379	14.910
147.5	64.957	57.389	49.989	43.421	37.316	31.390	26.389	21.681	17.327	13.523
150.0	55.107	49.063	43.125	37.307	32.380	27.612	23.283	19.053	15.235	11.935
152.5	46.800	41.629	36.873	32.213	27.735	23.729	19.845	16.219	13.371	10.670
155.0	38.587	34.833	30.985	27.108	23.309	19.765	16.837	14.018	11.547	9.351
157.5	30.863	27.801	24.681	21.984	19.291	16.494	13.853	11.763	9.711	7.766
160.0	24.083	21.801	19.489	17.148	15.103	13.189	11.268	9.336	7.698	6.167
162.5	18.444	16.720	15.049	13.360	11.655	10.029	8.595	7.156	5.714	4.360
165.0	13.956	12.518	11.243	9.983	8.733	7.472	6.203	5.141	4.244	3.354
167.5	10.088	9.062	8.019	6.960	6.138	5.346	4.554	3.763	2.973	2.267

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CANDELA TABULATION - (Cont.)

170.0	6.795	6.157	5.512	4.861	4.205	3.543	2.963	2.544	2.132	1.725
172.5	4.083	3.688	3.340	2.992	2.644	2.295	1.947	1.600	1.253	0.907
175.0	2.104	1.865	1.622	1.375	1.125	0.911	0.824	0.748	0.673	0.597
177.5	0.719	0.679	0.639	0.598	0.556	0.514	0.471	0.427	0.383	0.339
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	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1182.062	1180.125	1178.190	1176.258	1174.335	1172.423	1171.479	1168.634	1166.770	1164.931
5.0	1182.728	1178.810	1174.901	1171.007	1167.137	1163.301	1159.472	1155.693	1151.966	1148.300
7.5	1181.530	1175.600	1169.693	1163.820	1157.994	1152.205	1146.465	1140.804	1135.234	1129.764
10.0	1178.368	1170.409	1162.496	1154.644	1146.928	1139.125	1131.488	1123.972	1116.588	1109.351
12.5	1173.157	1163.168	1153.257	1143.441	1133.697	1124.047	1114.324	1105.212	1096.060	1087.222
15.0	1165.822	1153.822	1141.936	1130.498	1118.490	1106.974	1095.656	1085.372	1073.929	1063.402
17.5	1152.160	1138.110	1123.975	1110.740	1097.440	1084.463	1073.630	1059.876	1048.287	1037.121
20.0	1134.552	1118.335	1103.473	1086.892	1071.716	1057.817	1042.799	1029.114	1015.917	1003.576
22.5	1114.493	1096.134	1078.233	1060.794	1043.799	1027.390	1011.516	998.127	981.876	968.115
25.0	1091.883	1071.456	1051.699	1032.434	1013.705	995.559	978.083	961.593	945.766	930.733
27.5	1066.648	1044.405	1022.827	1001.775	981.285	963.562	942.799	924.823	907.699	891.418
30.0	1038.853	1014.932	991.598	968.705	946.539	925.144	905.341	886.011	867.569	850.115
32.5	1007.464	982.401	957.483	933.240	909.832	887.353	865.735	845.050	825.430	806.877
35.0	971.126	944.171	918.039	893.129	869.304	846.319	823.910	802.028	781.261	761.419
37.5	931.909	903.402	876.117	850.191	825.236	801.203	778.135	756.013	734.749	714.076
40.0	890.080	860.338	832.334	805.388	779.509	754.609	730.683	707.667	685.585	665.127
42.5	845.753	815.596	786.636	758.961	732.267	706.570	681.835	658.055	635.974	614.945
45.0	799.805	769.752	739.414	710.981	683.567	657.156	631.718	607.998	585.385	564.016
47.5	751.872	720.687	690.595	661.534	633.504	606.467	581.118	556.968	534.172	512.845
50.0	702.565	670.918	640.305	610.727	582.170	555.228	529.584	505.422	482.843	461.513
52.5	661.901	623.419	588.639	558.661	530.196	503.099	477.649	453.849	432.787	411.245
55.0	622.299	583.339	545.171	507.968	477.355	450.711	425.737	402.137	380.886	361.462
57.5	581.409	542.372	504.239	466.950	431.183	398.362	373.706	351.377	331.053	312.494
60.0	539.830	500.907	462.791	426.229	390.875	356.623	324.360	301.384	282.531	265.646
62.5	497.705	458.955	421.731	385.619	352.625	317.659	286.407	258.442	235.193	220.117
65.0	455.250	417.441	380.709	345.337	311.438	279.643	249.339	222.077	196.627	177.306
67.5	413.104	375.908	339.873	305.859	273.372	244.255	214.891	189.195	165.082	143.934
70.0	370.972	334.715	300.327	267.397	237.068	208.203	182.322	158.048	136.138	116.699
72.5	329.344	294.745	261.516	229.812	201.832	175.838	151.327	128.852	108.790	90.911
75.0	288.885	255.521	223.632	195.595	169.577	145.167	121.961	101.286	82.906	67.613
77.5	255.429	217.319	189.309	163.376	139.061	115.339	94.086	75.220	59.567	47.708
80.0	224.484	189.316	157.077	132.987	108.845	87.080	67.758	51.812	40.077	30.958
82.5	196.723	163.797	133.048	102.246	80.144	60.419	44.250	32.653	24.038	18.105
85.0	170.577	139.637	109.113	80.184	53.069	36.781	25.351	17.245	12.122	11.070
87.5	145.819	115.764	87.291	60.491	36.798	18.086	10.512	6.245	6.662	6.195
90.0	121.961	94.086	67.758	44.250	25.351	10.512	0.414	2.298	3.087	3.052
92.5	100.472	74.725	51.477	32.508	17.206	6.238	2.298	0.001	1.013	1.317
95.0	81.280	58.546	39.457	23.801	12.057	6.644	3.087	1.020	0.005	0.402
97.5	64.802	46.093	30.210	17.864	10.945	6.161	3.052	1.328	0.415	0.006
100.0	52.308	36.327	23.282	15.134	9.187	5.070	2.652	1.237	0.442	0.082
102.5	42.028	28.525	19.112	12.107	7.047	3.959	2.058	0.882	0.246	0.051
105.0	33.324	22.748	14.836	8.940	5.215	2.878	1.322	0.417	0.104	0.000
107.5	27.265	17.270	10.689	6.371	3.630	1.748	0.587	0.159	0.000	0.000
110.0	28.234	13.488	7.366	4.325	2.146	0.741	0.213	0.000	0.000	0.000
112.5	28.981	15.966	6.223	2.489	0.862	0.261	0.000	0.000	0.000	0.000
115.0	29.350	18.236	9.301	2.391	0.296	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

117.5	29.518	19.471	11.416	5.896	1.563	0.000	0.000	0.000	0.000	0.000
120.0	28.957	19.862	13.125	7.942	4.148	1.505	0.000	0.000	0.000	0.000
122.5	27.766	20.061	13.995	9.300	5.722	3.114	1.299	0.157	0.000	0.000
125.0	26.320	19.578	13.983	9.731	6.404	3.889	2.132	0.976	0.264	0.000
127.5	24.522	18.335	13.418	9.501	6.358	4.061	2.348	1.229	0.519	0.130
130.0	22.129	16.652	12.304	8.734	5.873	3.705	2.192	1.125	0.395	0.130
132.5	19.437	14.705	10.666	7.490	4.965	3.105	1.725	0.677	0.270	0.048
135.0	16.585	12.337	8.821	6.066	3.910	2.279	0.940	0.419	0.080	0.020
137.5	13.550	9.768	6.943	4.542	2.750	1.199	0.561	0.112	0.035	0.000
140.0	12.472	8.142	5.047	3.047	1.384	0.674	0.143	0.051	0.000	0.000
142.5	11.857	7.978	4.742	2.066	0.737	0.168	0.065	0.000	0.000	0.000
145.0	11.067	7.627	4.903	2.939	1.471	0.648	0.104	0.000	0.000	0.000
147.5	9.931	7.355	5.116	3.463	2.288	1.388	0.783	0.369	0.147	0.031
150.0	9.314	6.880	5.187	3.733	2.575	1.681	0.978	0.545	0.203	0.092
152.5	8.354	6.547	4.886	3.584	2.477	1.552	0.949	0.414	0.211	0.057
155.0	7.441	5.709	4.330	3.045	2.036	1.305	0.626	0.340	0.131	0.000
157.5	6.186	4.727	3.340	2.377	1.557	0.778	0.461	0.212	0.000	0.000
160.0	4.687	3.418	2.518	1.649	0.855	0.556	0.281	0.014	0.000	0.000
162.5	3.395	2.444	1.523	0.896	0.604	0.317	0.036	0.000	0.000	0.000
165.0	2.471	1.659	1.228	0.844	0.479	0.132	0.074	0.044	0.020	0.000
167.5	1.834	1.413	1.005	0.609	0.288	0.217	0.151	0.090	0.030	0.000
170.0	1.325	0.931	0.541	0.419	0.331	0.245	0.162	0.081	0.001	0.000
172.5	0.664	0.573	0.481	0.391	0.303	0.215	0.129	0.043	0.000	0.000
175.0	0.522	0.447	0.372	0.297	0.223	0.149	0.074	0.000	0.000	0.000
177.5	0.295	0.250	0.205	0.160	0.114	0.069	0.023	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	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1163.123	1161.348	1159.609	1157.911	1156.255	1154.645	1153.084	1151.575	1150.121	1148.723
5.0	1144.701	1141.174	1137.728	1134.368	1131.099	1127.929	1124.861	1121.902	1119.063	1116.342
7.5	1124.403	1119.163	1114.051	1109.100	1104.308	1099.666	1095.181	1090.862	1086.713	1082.742
10.0	1103.050	1095.460	1088.813	1082.354	1075.993	1070.034	1064.192	1058.624	1053.306	1048.219
12.5	1078.619	1070.234	1062.078	1054.162	1046.611	1039.214	1032.342	1025.606	1019.148	1013.806
15.0	1053.381	1043.503	1034.123	1025.041	1016.249	1007.758	999.657	991.976	984.614	977.579
17.5	1026.597	1015.869	1005.211	994.879	985.086	975.677	966.615	957.908	949.659	941.812
20.0	991.785	980.425	970.050	960.238	951.034	942.489	933.134	923.652	914.552	905.519
22.5	955.023	942.770	931.191	920.335	910.382	901.152	892.657	884.186	876.308	867.178
25.0	916.519	903.057	890.543	878.870	868.008	857.245	847.184	837.922	829.669	822.277
27.5	876.010	861.618	848.106	835.046	822.561	810.938	800.474	790.928	782.246	774.392
30.0	833.692	820.198	803.046	788.838	775.811	763.881	752.877	742.762	733.582	725.601
32.5	789.165	772.178	756.231	741.715	728.175	715.595	703.998	693.395	683.665	674.860
35.0	742.506	724.924	708.668	693.436	679.225	666.068	654.021	642.944	632.420	624.267
37.5	694.783	676.732	659.750	643.852	629.209	615.731	603.401	592.561	582.607	574.095
40.0	645.738	627.180	609.541	593.529	578.571	565.400	553.309	542.649	533.212	524.770
42.5	595.047	576.261	558.993	542.893	528.642	515.494	504.128	493.578	484.861	476.906
45.0	543.956	525.299	508.375	492.984	479.343	466.868	455.932	446.222	437.621	430.161
47.5	492.828	474.914	458.218	443.912	432.008	419.496	410.355	399.815	391.421	384.709
50.0	442.559	424.935	409.538	395.650	383.526	372.748	363.136	354.663	346.778	340.891
52.5	392.725	376.221	361.738	348.641	337.459	327.690	318.789	311.071	304.887	299.743
55.0	343.900	328.821	314.426	303.293	292.829	283.972	276.432	269.916	264.388	259.238
57.5	296.820	282.544	270.171	259.695	250.348	243.050	236.272	230.852	225.757	221.503
60.0	250.949	238.001	227.572	218.191	210.818	204.318	198.710	194.093	189.715	185.856
62.5	206.678	196.343	187.160	179.619	173.514	168.316	163.895	159.910	156.381	152.852

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CANDELA TABULATION - (Cont.)

65.0	165.885	156.939	149.330	143.718	138.729	134.992	131.835	128.641	126.088	122.518
67.5	127.396	120.807	114.785	110.561	107.208	105.104	102.812	101.029	98.990	96.613
70.0	99.322	86.570	83.206	81.246	79.501	78.453	77.431	76.674	75.201	73.950
72.5	76.040	63.948	54.907	54.817	55.141	55.188	55.750	55.796	55.465	54.877
75.0	55.443	45.546	37.602	32.654	34.211	35.960	37.675	38.590	39.412	39.309
77.5	38.093	30.739	25.395	20.018	17.061	20.570	23.188	25.251	26.622	27.259
80.0	24.278	20.323	16.175	11.942	8.991	8.632	11.961	14.958	16.822	18.196
82.5	15.591	12.661	9.482	7.133	4.975	3.036	4.081	7.399	9.824	11.623
85.0	9.364	7.242	5.506	3.895	2.378	1.164	0.430	2.270	5.103	6.856
87.5	5.115	4.033	2.937	1.817	0.833	0.304	0.000	0.000	1.830	3.506
90.0	2.652	2.058	1.322	0.583	0.213	0.000	0.000	0.000	0.000	1.299
92.5	1.221	0.865	0.393	0.146	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.427	0.229	0.093	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.074	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.001	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	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.019	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.008	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	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.008	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	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1147.386	1146.110	1144.898	1143.752	1142.493	1141.668	1140.732	1139.870	1139.082	1138.370
5.0	1113.742	1111.267	1108.922	1106.513	1104.631	1102.693	1100.897	1099.246	1097.742	1096.388
7.5	1078.954	1075.355	1073.330	1068.775	1065.790	1063.008	1060.433	1058.068	1055.915	1053.979
10.0	1043.369	1038.762	1034.405	1030.303	1026.461	1022.939	1019.696	1016.721	1014.017	1011.588

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CANDELA TABULATION - (Cont.)

12.5	1007.233	1001.768	996.602	991.740	987.189	982.954	979.614	975.465	972.209	969.281
15.0	970.880	964.545	958.598	952.996	947.743	942.846	938.313	934.147	930.183	926.608
17.5	934.328	927.216	920.484	913.755	907.447	901.592	896.195	891.262	886.796	882.855
20.0	896.700	888.244	880.275	872.801	865.931	859.572	853.710	848.351	843.501	840.614
22.5	857.453	848.406	839.876	831.872	824.402	817.376	810.883	804.934	799.534	794.691
25.0	815.681	808.419	799.142	790.417	782.253	774.580	767.230	760.479	754.333	748.802
27.5	766.732	761.287	755.865	748.070	738.939	730.428	722.560	715.351	708.802	702.921
30.0	717.767	711.069	705.254	700.352	695.234	686.198	678.390	670.443	663.716	657.686
32.5	667.061	660.303	654.394	648.689	645.546	642.460	633.919	626.266	619.436	613.228
35.0	616.387	609.746	604.097	599.272	595.597	592.883	590.956	584.477	576.119	569.828
37.5	566.576	559.971	554.767	550.348	546.796	544.386	542.756	541.003	533.726	527.162
40.0	517.813	511.634	506.573	502.493	499.191	496.907	494.688	494.683	491.982	485.156
42.5	470.161	464.385	459.450	455.713	452.657	450.425	449.095	448.397	448.854	443.781
45.0	423.583	418.335	413.730	410.211	407.440	405.249	403.905	403.123	402.923	402.873
47.5	378.624	373.783	369.681	366.234	363.589	361.414	360.039	359.354	359.182	359.695
50.0	335.605	330.962	327.175	323.769	321.364	319.395	317.954	317.246	316.997	317.261
52.5	294.294	289.857	286.455	283.408	280.960	278.479	277.502	276.564	275.948	275.694
55.0	254.846	250.961	247.601	244.734	242.227	240.321	238.581	237.045	236.298	235.532
57.5	217.342	213.781	210.484	207.923	205.384	203.406	201.483	199.851	198.654	197.536
60.0	181.681	178.645	175.658	173.235	170.783	168.703	166.807	164.908	163.905	162.867
62.5	149.371	145.868	143.308	140.983	138.857	136.778	135.299	133.580	132.878	132.225
65.0	120.118	116.585	113.754	111.613	110.146	108.244	107.566	106.509	105.997	105.795
67.5	94.226	91.100	88.103	85.751	85.130	84.183	83.869	83.521	83.114	83.050
70.0	71.934	69.608	66.995	64.197	64.013	64.030	63.918	63.878	63.469	63.632
72.5	53.428	51.995	49.884	48.102	46.520	46.998	47.008	47.391	47.212	47.441
75.0	38.732	37.990	36.520	35.162	32.886	32.931	33.274	33.854	33.977	34.205
77.5	27.507	27.107	26.236	24.929	23.253	21.583	22.287	22.878	23.272	23.587
80.0	18.888	18.727	18.220	17.077	15.755	14.039	13.421	14.138	14.913	15.297
82.5	12.413	12.529	12.120	11.125	9.976	8.361	7.055	7.559	8.359	8.644
85.0	7.699	7.942	7.554	6.750	5.772	4.597	3.398	2.564	3.754	4.501
87.5	4.385	4.611	4.265	3.751	2.909	1.927	1.075	0.491	1.199	2.122
90.0	2.132	2.348	2.192	1.725	0.940	0.561	0.143	0.065	0.104	0.783
92.5	0.757	0.993	0.875	0.521	0.236	0.075	0.006	0.000	0.000	0.164
95.0	0.056	0.273	0.227	0.064	0.033	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.022	0.021	0.010	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.001	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

	<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	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1137.736	1137.180	1136.702	1136.305	1135.987	1135.751	1135.595	1135.520	1135.526	1135.614
5.0	1095.184	1094.133	1093.237	1092.495	1091.910	1091.481	1091.210	1091.095	1091.138	1091.337
7.5	1052.262	1050.765	1049.491	1048.441	1047.616	1047.017	1046.508	1046.501	1046.583	1046.892
10.0	1009.437	1007.566	1005.979	1004.676	1003.659	1002.929	1002.488	1002.335	1002.470	1002.894
12.5	966.662	964.419	962.492	960.905	959.661	958.760	958.206	957.999	958.140	958.629
15.0	923.449	920.707	918.385	916.485	915.006	913.949	913.315	913.101	913.307	913.931
17.5	879.194	876.369	873.828	871.758	870.161	869.038	868.388	868.212	868.508	869.275
20.0	835.220	831.814	828.930	826.570	824.663	823.437	822.667	822.430	822.726	823.556
22.5	790.257	786.304	782.936	780.160	777.979	776.396	775.414	775.036	775.263	776.094
25.0	744.623	739.659	736.062	733.108	730.802	729.146	728.142	727.792	728.095	729.052
27.5	697.715	693.303	689.624	686.624	684.304	682.670	681.723	681.463	681.892	683.009
30.0	652.361	647.791	644.027	640.949	638.565	636.882	635.905	635.640	636.092	637.263
32.5	607.836	603.089	599.190	595.995	593.503	591.725	590.670	590.347	590.764	591.930
35.0	564.220	559.308	555.162	551.758	549.077	547.132	545.934	545.495	545.826	546.937
37.5	521.286	516.116	511.708	508.107	505.249	503.149	501.821	501.277	501.530	502.590
40.0	479.030	473.465	469.729	465.079	461.954	459.603	458.043	457.292	457.365	458.277
42.5	437.329	431.592	426.592	422.511	419.200	416.654	414.895	413.947	413.830	414.565
45.0	396.513	390.595	385.174	381.012	377.424	374.589	372.535	371.292	370.887	371.348
47.5	356.909	350.524	345.216	340.444	336.472	333.299	330.951	329.453	328.828	329.101
50.0	318.053	311.496	305.564	300.421	296.153	292.708	290.111	288.389	287.564	287.660
52.5	275.989	272.777	266.519	261.654	256.744	253.268	250.663	248.874	248.145	248.266
55.0	235.334	235.050	228.751	223.278	219.185	215.950	213.535	211.964	211.257	211.435
57.5	196.975	197.086	193.391	188.253	184.440	181.467	179.312	177.852	177.172	177.304
60.0	162.144	162.393	161.301	156.620	153.088	150.529	148.592	147.313	146.728	146.873
62.5	131.637	131.951	132.413	128.789	125.517	123.220	121.492	120.366	119.876	120.052
65.0	105.382	105.607	105.953	104.157	101.150	99.190	97.745	96.845	96.519	96.793
67.5	82.707	82.752	83.039	82.595	80.488	78.395	77.277	76.529	76.395	76.759
70.0	63.433	63.350	63.670	63.885	61.945	60.809	59.988	59.510	59.412	59.732
72.5	47.432	47.316	47.762	48.101	47.266	46.258	45.574	45.157	45.045	45.280
75.0	34.430	34.441	34.915	35.271	35.100	34.092	33.446	33.075	33.006	33.263
77.5	24.050	24.183	24.422	24.527	24.477	23.709	23.310	23.095	23.096	23.344
80.0	15.675	15.677	15.847	16.002	15.909	15.503	15.268	15.163	15.214	15.454
82.5	9.308	9.565	9.623	9.741	9.518	9.141	8.958	8.866	8.862	9.067
85.0	5.132	5.448	5.383	5.189	4.706	4.096	4.123	4.143	4.190	4.299
87.5	2.566	2.650	2.361	2.078	1.624	1.009	1.157	1.266	1.259	1.199
90.0	0.978	0.949	0.626	0.461	0.281	0.036	0.074	0.148	0.162	0.129
92.5	0.201	0.186	0.066	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.015	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

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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	0.005	0.000	0.058	0.050
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.076	0.131	0.199	0.207
135.0	0.000	0.000	0.000	0.000	0.000	0.009	0.121	0.185	0.207	0.207
137.5	0.000	0.000	0.000	0.000	0.000	0.003	0.024	0.094	0.198	0.153
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.029	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	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1135.782	1136.030	1136.358	1136.030	1135.782	1135.614	1135.526	1135.520	1135.595	1135.750
5.0	1091.692	1092.203	1092.867	1092.203	1091.692	1091.337	1091.138	1091.095	1091.210	1091.481
7.5	1047.427	1048.186	1049.169	1048.186	1047.427	1046.892	1046.583	1046.501	1046.646	1047.017
10.0	1003.605	1004.603	1005.885	1004.603	1003.605	1002.894	1002.470	1002.335	1002.488	1002.929
12.5	959.468	960.654	962.187	960.654	959.468	958.629	958.296	957.999	958.206	958.760
15.0	914.970	916.421	918.281	916.421	914.970	913.931	913.307	913.101	913.315	913.949
17.5	870.510	872.212	874.376	872.211	870.510	869.384	868.508	868.212	868.544	869.038
20.0	824.917	826.808	829.228	826.808	824.917	823.556	822.726	822.430	822.667	823.437
22.5	777.531	779.573	782.217	779.573	777.531	776.095	775.263	775.036	775.414	776.396
25.0	730.661	732.920	735.826	732.920	730.661	729.052	728.095	727.792	728.142	729.146
27.5	684.580	687.301	690.471	687.301	684.813	683.009	681.892	681.463	681.723	682.670
30.0	639.157	641.774	645.117	641.774	639.405	637.263	636.092	635.640	635.905	636.882
32.5	593.849	596.528	599.969	596.528	593.849	591.930	590.764	590.347	590.670	591.725
35.0	548.836	551.531	555.028	551.531	548.836	546.937	545.826	545.495	545.934	547.132
37.5	504.468	507.172	510.709	507.172	504.468	502.590	501.530	501.277	501.820	503.149
40.0	460.043	462.674	466.182	462.674	460.043	458.277	457.365	457.292	458.043	459.603
42.5	416.173	418.669	422.070	418.669	416.173	414.715	413.830	413.947	415.103	416.654
45.0	372.698	374.963	378.165	374.963	372.698	371.348	370.887	371.292	372.535	374.589

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CANDELA TABULATION - (Cont.)

47.5	330.291	332.419	335.502	332.419	330.291	329.101	328.828	329.453	330.951	333.299
50.0	288.697	290.694	293.668	290.694	288.697	287.660	287.564	288.389	290.111	292.708
52.5	249.328	251.342	254.319	251.342	249.328	248.266	248.145	248.950	250.663	253.268
55.0	212.517	214.519	217.455	214.519	212.517	211.435	211.257	211.964	213.535	215.950
57.5	178.279	180.125	182.869	180.125	178.279	177.304	177.172	177.852	179.312	181.519
60.0	147.780	149.483	152.011	149.483	147.780	146.873	146.728	147.313	148.592	150.529
62.5	120.926	122.527	124.881	122.527	120.926	120.052	119.876	120.366	121.492	123.220
65.0	97.695	99.154	101.479	99.250	97.695	96.793	96.519	96.845	97.745	99.190
67.5	77.657	79.121	81.183	79.122	77.662	76.777	76.438	76.614	77.277	78.395
70.0	60.510	61.780	63.580	61.854	60.510	59.732	59.412	59.510	59.988	60.809
72.5	45.901	46.949	48.461	46.949	45.901	45.280	45.045	45.157	45.574	46.258
75.0	33.872	34.858	36.243	34.858	33.872	33.263	33.006	33.075	33.446	34.091
77.5	23.872	24.709	25.888	24.709	23.872	23.344	23.096	23.095	23.310	23.709
80.0	15.912	16.618	17.604	16.618	15.912	15.454	15.214	15.163	15.268	15.503
82.5	9.418	9.976	10.769	9.976	9.418	9.067	8.893	8.866	8.958	9.141
85.0	4.509	4.859	5.385	4.859	4.509	4.299	4.190	4.143	4.123	4.096
87.5	1.138	1.133	1.243	1.133	1.138	1.199	1.259	1.266	1.168	1.009
90.0	0.074	0.023	0.000	0.023	0.074	0.129	0.162	0.151	0.074	0.036
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	0.050	0.058	0.000	0.005	0.000
132.5	0.111	0.000	0.000	0.000	0.111	0.207	0.199	0.131	0.076	0.000
135.0	0.207	0.146	0.000	0.146	0.207	0.207	0.207	0.185	0.121	0.009
137.5	0.068	0.000	0.000	0.000	0.068	0.153	0.198	0.094	0.024	0.003
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.007	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
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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	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1135.987	1136.305	1136.702	1137.180	1137.736	1138.370	1139.082	1139.870	1140.732	1141.668
5.0	1091.910	1092.517	1093.237	1094.133	1095.184	1096.388	1097.742	1099.246	1100.897	1102.693
7.5	1047.616	1048.441	1049.491	1050.765	1052.262	1053.979	1055.915	1058.068	1060.433	1063.008
10.0	1003.659	1004.676	1005.979	1007.566	1009.437	1011.588	1014.017	1016.949	1019.696	1022.939
12.5	959.851	960.905	962.492	964.419	966.683	969.281	972.209	975.465	979.614	982.954
15.0	915.006	916.485	918.385	920.707	923.449	926.608	930.183	934.147	938.313	942.846
17.5	870.161	871.836	873.828	876.369	879.378	882.855	886.796	891.262	896.195	901.592
20.0	824.738	826.570	828.930	831.814	835.220	840.614	843.501	848.351	853.710	859.572
22.5	777.979	780.160	782.936	786.304	790.257	794.691	799.534	805.003	810.883	817.376
25.0	730.802	733.116	736.062	739.659	744.623	748.802	754.333	760.479	767.230	774.580
27.5	684.304	686.624	689.624	693.303	697.715	702.921	708.802	715.630	722.560	730.428
30.0	638.565	640.949	644.027	647.791	652.361	657.686	663.716	670.443	678.401	686.198
32.5	593.503	595.995	599.190	603.089	607.836	613.289	619.436	626.318	633.919	642.469
35.0	549.077	551.758	555.162	559.308	564.220	569.828	576.119	584.477	590.988	592.883
37.5	505.249	508.107	511.708	516.116	521.286	527.162	533.726	541.003	542.756	545.111
40.0	461.954	465.079	469.729	473.623	479.030	485.156	491.982	494.683	495.431	496.907
42.5	419.200	422.590	426.592	431.592	437.329	443.781	448.854	448.397	449.095	451.106
45.0	377.424	381.012	385.386	390.596	396.513	403.111	402.923	403.123	403.905	405.249
47.5	336.472	340.444	345.216	350.726	356.909	359.695	359.544	359.354	360.039	361.552
50.0	296.153	300.421	305.564	311.496	318.207	317.261	316.997	317.246	317.954	319.395
52.5	256.744	261.654	266.519	272.777	275.989	275.694	275.948	276.564	277.502	279.054
55.0	219.185	223.278	228.751	235.050	235.334	235.532	236.298	237.289	238.581	240.321
57.5	184.440	188.253	193.391	197.086	196.975	197.536	198.654	199.851	201.483	203.406
60.0	153.088	156.620	161.301	162.393	162.144	162.867	163.905	164.908	166.807	168.703
62.5	125.517	128.789	132.413	131.951	131.637	132.225	132.878	133.580	135.298	136.778
65.0	101.150	104.157	105.953	105.607	105.382	105.795	105.997	106.509	107.566	108.244
67.5	80.488	82.595	83.039	82.752	82.707	83.050	83.114	83.521	83.869	84.183
70.0	61.945	63.885	63.670	63.500	63.433	63.632	63.469	63.878	63.918	64.030
72.5	47.266	48.101	47.762	47.316	47.432	47.441	47.212	47.391	47.156	46.998
75.0	35.100	35.271	34.915	34.441	34.430	34.205	33.977	33.854	33.274	32.931
77.5	24.477	24.527	24.422	24.183	24.050	23.587	23.272	22.878	22.287	21.583
80.0	15.909	16.002	15.847	15.677	15.675	15.297	14.913	14.138	13.421	14.039
82.5	9.518	9.741	9.665	9.565	9.308	8.644	8.359	7.559	7.055	8.361
85.0	4.706	5.189	5.383	5.448	5.132	4.501	3.754	2.564	3.398	4.597
87.5	1.624	2.078	2.361	2.665	2.566	2.122	1.199	0.491	1.075	1.927
90.0	0.281	0.461	0.626	0.949	0.978	0.783	0.104	0.065	0.143	0.561
92.5	0.000	0.000	0.066	0.186	0.201	0.164	0.000	0.000	0.006	0.075
95.0	0.000	0.000	0.000	0.000	0.015	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
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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

	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1142.675	1143.830	1144.898	1146.110	1147.386	1148.723	1150.121	1151.575	1153.084	1154.645
5.0	1104.631	1106.708	1108.922	1111.267	1113.742	1116.342	1119.063	1121.902	1124.861	1127.929
7.5	1065.790	1068.775	1073.353	1075.355	1078.954	1082.742	1086.713	1090.862	1095.181	1099.666
10.0	1026.461	1030.303	1034.405	1038.762	1043.369	1048.219	1053.306	1058.624	1064.192	1070.034
12.5	987.189	991.740	996.602	1001.768	1007.233	1013.806	1019.148	1025.606	1032.342	1039.346
15.0	947.743	952.996	958.598	964.545	971.039	977.579	984.614	991.976	999.657	1007.758
17.5	907.447	913.755	920.485	927.216	934.328	941.812	949.659	957.908	966.615	975.677
20.0	865.931	872.801	880.275	888.244	896.700	905.635	914.552	923.652	933.134	942.489
22.5	824.402	831.872	839.876	848.406	857.453	867.178	876.308	884.186	892.657	901.398
25.0	782.253	790.417	799.142	808.419	815.681	822.277	829.669	837.922	847.184	857.245
27.5	738.939	748.070	755.865	761.287	767.401	774.392	782.246	790.928	800.474	810.938
30.0	695.234	700.352	705.254	711.069	717.767	725.601	733.582	742.762	752.877	763.881
32.5	645.546	649.411	654.394	660.303	667.061	674.860	683.665	693.395	703.998	715.595
35.0	596.359	599.272	604.097	609.746	616.857	624.268	633.022	642.944	654.021	666.067
37.5	546.796	550.348	554.767	559.971	566.576	574.095	582.607	592.561	603.401	615.731
40.0	499.191	502.493	506.573	511.634	517.813	524.770	533.212	542.649	553.309	565.400
42.5	452.657	455.713	459.450	464.385	470.161	476.906	485.531	493.578	504.128	515.494
45.0	407.440	410.211	413.730	418.335	423.583	430.161	437.621	446.222	455.932	466.868
47.5	363.589	366.234	369.681	373.783	378.624	384.709	391.421	399.815	410.355	419.496
50.0	321.364	323.769	327.175	330.962	335.605	340.891	347.203	354.663	363.136	372.748
52.5	280.960	283.408	286.701	289.857	294.294	300.243	304.887	311.071	318.789	327.690
55.0	242.227	244.734	247.601	250.961	254.846	259.238	264.388	269.916	276.432	283.972
57.5	205.383	207.923	210.484	213.781	217.342	221.503	225.757	230.853	236.272	243.050
60.0	170.783	173.235	175.658	178.645	181.681	185.856	189.715	194.093	198.710	204.318
62.5	138.857	140.983	143.308	145.868	149.371	152.852	156.381	159.910	163.895	168.316
65.0	110.146	111.614	113.754	116.585	120.118	122.962	126.088	128.641	131.835	134.992
67.5	85.130	85.751	88.103	91.100	94.226	96.613	98.990	101.462	102.812	105.104
70.0	64.013	64.436	66.995	69.608	71.934	73.950	75.201	76.674	77.431	78.453
72.5	46.520	48.102	49.884	51.995	53.432	54.877	55.465	55.796	56.113	55.188
75.0	32.886	35.162	36.630	37.990	38.732	39.309	39.412	38.590	37.675	35.960
77.5	23.253	24.929	26.236	27.107	27.507	27.337	26.622	25.251	23.187	20.570

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CANDELA TABULATION - (Cont.)

80.0	15.755	17.077	18.220	18.754	18.888	18.196	16.822	14.958	12.119	8.632
82.5	9.983	11.125	12.120	12.529	12.413	11.623	9.824	7.399	4.081	3.036
85.0	5.772	6.750	7.554	7.942	7.699	6.856	5.103	2.270	0.430	1.164
87.5	2.909	3.751	4.265	4.611	4.385	3.506	1.830	0.000	0.000	0.304
90.0	0.940	1.725	2.192	2.348	2.132	1.299	0.000	0.000	0.000	0.000
92.5	0.236	0.521	0.875	0.993	0.757	0.000	0.000	0.000	0.000	0.000
95.0	0.033	0.064	0.227	0.283	0.056	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.010	0.021	0.022	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.001	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	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1156.255	1157.911	1159.609	1161.348	1163.123	1164.931	1166.770	1168.634	1171.479	1172.423
5.0	1131.099	1134.368	1137.728	1141.174	1144.701	1148.300	1151.966	1155.693	1159.472	1163.301
7.5	1104.308	1109.100	1114.051	1119.219	1124.403	1129.764	1135.234	1140.804	1146.465	1152.205
10.0	1076.091	1082.354	1088.813	1095.459	1103.050	1109.351	1116.588	1123.972	1131.488	1139.125
12.5	1046.611	1054.162	1062.078	1070.234	1078.619	1087.221	1096.060	1105.212	1114.547	1124.169
15.0	1016.249	1025.041	1034.123	1043.503	1053.381	1063.527	1073.929	1085.372	1095.656	1106.974
17.5	985.086	994.879	1005.211	1015.869	1026.597	1037.121	1048.287	1059.876	1073.630	1084.463
20.0	951.034	960.238	970.050	980.543	991.785	1003.576	1015.917	1029.114	1042.799	1058.212
22.5	910.382	920.335	931.191	942.770	955.023	968.115	981.876	998.127	1011.516	1027.390
25.0	868.008	878.870	890.543	903.057	916.519	930.733	945.766	961.592	978.084	995.559

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

27.5	822.561	835.046	848.106	861.618	876.010	891.418	907.985	924.823	942.799	963.562
30.0	775.811	788.838	803.046	820.198	833.692	850.115	867.569	886.011	905.341	925.539
32.5	728.175	741.715	756.232	772.177	789.165	806.877	825.430	845.050	865.735	887.353
35.0	679.225	693.436	708.668	725.025	742.506	761.419	781.261	802.028	823.910	846.319
37.5	629.209	644.308	659.750	676.732	694.783	714.076	734.750	756.013	778.135	801.203
40.0	578.571	593.529	609.541	627.180	645.738	665.127	685.585	707.667	730.683	754.608
42.5	528.642	542.893	558.993	576.261	595.047	614.945	636.630	658.055	681.835	706.570
45.0	479.343	492.984	508.375	525.299	543.956	564.015	585.385	607.998	631.718	657.156
47.5	432.008	443.912	458.218	474.914	492.828	512.844	534.172	556.968	581.118	606.468
50.0	383.526	395.650	409.538	424.935	442.559	461.513	482.843	505.422	529.584	555.228
52.5	337.459	348.641	361.739	376.221	392.725	411.245	432.787	453.849	477.649	503.099
55.0	292.829	303.293	315.013	328.821	343.900	361.462	380.886	402.137	425.737	451.288
57.5	250.348	259.695	270.171	282.544	296.820	312.494	331.053	351.377	373.706	398.362
60.0	210.818	218.191	227.572	238.001	250.949	265.646	282.531	301.383	324.359	356.623
62.5	173.514	179.619	187.160	196.343	206.679	220.872	235.193	258.442	286.407	317.659
65.0	138.729	143.718	149.330	156.939	165.885	177.306	196.627	222.077	249.339	279.643
67.5	107.208	110.561	114.785	120.807	127.396	143.933	165.083	189.195	214.891	244.255
70.0	79.501	81.246	83.206	86.570	99.322	116.699	136.138	158.048	182.322	208.203
72.5	55.141	54.817	54.907	63.948	76.040	90.911	108.790	128.852	151.452	175.838
75.0	34.211	32.654	37.602	45.546	55.634	67.613	82.906	101.414	121.961	145.167
77.5	17.061	20.018	25.395	30.739	38.093	47.707	59.568	75.220	94.086	115.339
80.0	8.991	11.942	16.175	20.323	24.278	30.958	40.077	51.812	67.758	87.080
82.5	4.975	7.133	9.482	12.661	15.591	18.105	24.038	32.653	44.250	60.419
85.0	2.378	3.895	5.506	7.292	9.364	11.070	12.122	17.245	25.351	36.781
87.5	0.833	1.817	2.941	4.033	5.115	6.195	6.662	6.245	10.512	18.089
90.0	0.213	0.587	1.322	2.058	2.652	3.052	3.087	2.298	0.414	10.512
92.5	0.000	0.146	0.393	0.865	1.221	1.317	1.013	0.000	2.298	6.238
95.0	0.000	0.000	0.093	0.229	0.427	0.402	0.000	1.020	3.087	6.644
97.5	0.000	0.000	0.000	0.045	0.074	0.000	0.415	1.328	3.052	6.161
100.0	0.000	0.000	0.000	0.000	0.001	0.082	0.442	1.237	2.652	5.070
102.5	0.000	0.000	0.000	0.000	0.000	0.051	0.246	0.882	2.058	3.959
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.104	0.417	1.322	2.864
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.159	0.583	1.748
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.213	0.741
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.261
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	1.505
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.157	1.299	3.114
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.264	0.947	2.132	3.889
127.5	0.000	0.000	0.000	0.000	0.015	0.130	0.519	1.229	2.348	4.061
130.0	0.000	0.000	0.000	0.001	0.019	0.130	0.395	1.125	2.192	3.705
132.5	0.000	0.000	0.000	0.000	0.008	0.048	0.270	0.677	1.725	3.105
135.0	0.000	0.000	0.000	0.000	0.000	0.020	0.080	0.419	0.940	2.279
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.112	0.561	1.199
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.051	0.143	0.674
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.065	0.168
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.104	0.648
147.5	0.000	0.000	0.000	0.000	0.000	0.031	0.147	0.369	0.783	1.388
150.0	0.000	0.000	0.000	0.000	0.008	0.092	0.203	0.537	0.979	1.681
152.5	0.000	0.000	0.000	0.000	0.000	0.057	0.210	0.414	0.949	1.552
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.131	0.340	0.626	1.305
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.212	0.461	0.778
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.281	0.556
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.036	0.317
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.044	0.074	0.132

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CANDELA TABULATION - (Cont.)

167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.089	0.148	0.217
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.081	0.162	0.245
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.043	0.129	0.215
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.074	0.149
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.069
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

	275.0	277.5	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
0.0	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1174.335	1176.258	1178.190	1180.125	1182.062	1183.995	1185.921	1187.835	1189.735	1191.617
5.0	1167.137	1171.007	1174.901	1178.810	1182.728	1186.645	1190.554	1194.446	1198.315	1202.151
7.5	1157.994	1163.820	1169.693	1175.600	1181.530	1187.470	1193.409	1200.699	1205.343	1211.345
10.0	1146.928	1154.644	1162.496	1170.409	1178.368	1186.357	1194.410	1202.643	1210.850	1219.012
12.5	1133.697	1143.441	1153.257	1163.169	1173.157	1184.621	1193.578	1204.144	1214.437	1224.823
15.0	1118.490	1130.498	1141.936	1153.822	1165.822	1177.962	1190.588	1203.255	1215.931	1228.618
17.5	1097.440	1110.740	1124.306	1138.276	1152.160	1166.478	1181.380	1196.430	1211.594	1226.945
20.0	1071.716	1086.892	1103.473	1118.335	1134.552	1151.204	1168.149	1185.454	1202.940	1220.724
22.5	1043.799	1060.794	1078.233	1096.134	1114.493	1133.378	1152.417	1171.941	1191.732	1211.911
25.0	1013.705	1032.434	1051.699	1071.457	1091.883	1112.783	1134.102	1155.785	1177.798	1200.333
27.5	981.441	1001.775	1022.827	1044.405	1066.647	1089.662	1113.460	1136.908	1162.678	1185.845
30.0	946.539	968.705	991.598	1014.933	1038.853	1063.782	1089.410	1115.258	1141.444	1168.333
32.5	909.832	933.240	957.798	982.401	1007.464	1033.504	1060.807	1088.713	1116.987	1146.062
35.0	869.304	893.129	918.039	944.172	971.126	998.948	1028.045	1058.195	1088.822	1120.172
37.5	825.236	850.772	876.117	903.403	932.474	961.496	992.154	1024.264	1057.184	1090.786
40.0	779.509	805.388	832.334	860.338	890.080	921.011	953.377	987.035	1021.959	1057.692
42.5	732.267	758.962	786.636	815.597	845.753	877.904	911.461	946.579	983.156	1020.837
45.0	683.567	710.981	739.414	769.752	799.805	832.848	866.656	903.014	940.908	980.214
47.5	633.504	661.534	690.595	720.687	751.872	784.745	819.574	857.389	901.037	945.525
50.0	582.170	610.727	640.305	670.918	702.565	739.025	779.307	821.603	865.238	910.359
52.5	530.196	558.661	588.639	623.419	661.901	701.203	741.821	783.714	827.578	872.915
55.0	477.355	507.968	545.171	583.339	622.299	662.007	702.600	744.741	788.228	833.236
57.5	431.183	466.951	504.239	542.373	581.409	621.429	662.251	705.099	747.443	792.253
60.0	390.875	426.229	462.791	500.907	539.830	579.572	620.513	662.319	705.141	749.555
62.5	352.625	385.619	421.731	459.110	497.705	537.261	577.646	619.238	661.869	705.602
65.0	311.563	345.337	380.709	417.441	455.250	494.358	534.376	575.243	617.275	660.544
67.5	273.372	305.859	339.873	375.908	413.104	451.311	490.586	530.874	573.482	624.674
70.0	237.068	267.397	300.327	334.715	370.972	408.461	446.860	489.370	536.755	584.785
72.5	201.832	229.827	261.516	294.745	329.344	365.654	407.846	453.361	499.670	546.977
75.0	169.577	195.595	223.632	255.521	288.885	329.101	372.509	417.195	462.682	508.824
77.5	139.061	163.377	189.309	217.319	255.429	295.942	337.755	381.074	425.611	470.770
80.0	108.845	132.988	157.077	189.316	224.484	263.422	303.879	345.547	388.598	432.717
82.5	80.144	102.334	133.048	163.797	196.723	231.989	270.731	310.924	352.222	394.827
85.0	53.097	80.184	109.113	139.637	170.577	203.590	238.741	277.138	316.838	357.534
87.5	36.798	60.491	87.291	115.764	145.819	176.815	209.714	244.526	282.432	321.390
90.0	25.351	44.250	67.758	94.086	121.961	151.327	182.322	214.891	249.339	286.408
92.5	17.206	32.508	51.477	74.725	100.443	127.567	156.399	186.903	218.918	252.918
95.0	12.057	23.801	39.457	58.365	81.280	106.247	132.452	160.541	190.366	228.848
97.5	10.945	17.864	30.210	46.093	64.802	87.317	111.396	136.502	169.377	210.513
100.0	9.187	15.134	23.282	36.327	52.308	71.029	92.734	119.684	155.007	194.065
102.5	7.047	12.107	19.112	28.525	42.028	57.992	78.963	110.362	143.709	179.358
105.0	5.215	8.940	14.758	22.748	33.324	48.932	73.922	102.244	133.396	166.287
107.5	3.630	6.371	10.689	17.270	27.265	47.161	70.118	95.442	124.202	154.932
110.0	2.146	4.325	7.366	13.488	28.234	45.684	66.654	90.065	115.921	144.580
112.5	0.862	2.489	6.223	15.966	28.981	44.748	63.247	84.861	108.497	134.850

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CANDELA TABULATION - (Cont.)

115.0	0.296	2.391	9.301	18.236	29.350	43.566	60.116	79.591	101.496	125.322
117.5	1.563	5.691	11.416	19.471	29.518	41.909	56.974	74.056	94.297	116.260
120.0	4.148	7.942	13.125	19.862	28.956	39.825	53.304	68.915	86.775	107.055
122.5	5.722	9.300	13.995	20.062	27.766	37.539	49.044	63.254	79.082	97.536
125.0	6.404	9.731	13.983	19.578	26.172	34.849	44.985	57.196	71.466	87.664
127.5	6.358	9.501	13.418	18.335	24.522	31.834	40.904	51.047	63.774	77.638
130.0	5.873	8.734	12.304	16.652	22.129	28.648	36.514	45.712	56.218	69.848
132.5	4.965	7.490	10.666	14.705	19.437	25.218	31.767	40.042	50.741	63.377
135.0	3.910	6.066	8.821	12.338	16.585	21.516	27.821	36.397	46.295	57.248
137.5	2.737	4.542	6.943	9.768	13.550	18.934	25.733	33.184	41.931	51.194
140.0	1.384	3.047	5.047	8.142	12.472	17.642	23.414	30.228	37.606	45.968
142.5	0.737	2.066	4.742	7.978	11.857	16.209	21.311	27.164	33.500	40.868
145.0	1.471	2.939	4.903	7.612	11.067	14.910	19.379	24.366	29.865	35.944
147.5	2.288	3.463	5.116	7.355	9.931	13.523	17.327	21.681	26.389	31.390
150.0	2.575	3.733	5.187	6.880	9.314	11.935	15.235	19.053	23.283	27.612
152.5	2.464	3.584	4.886	6.547	8.354	10.670	13.371	16.219	19.845	23.729
155.0	2.036	3.045	4.330	5.709	7.441	9.351	11.547	14.018	16.837	19.765
157.5	1.557	2.377	3.340	4.727	6.186	7.766	9.711	11.740	13.853	16.494
160.0	0.855	1.649	2.518	3.414	4.687	6.167	7.697	9.336	11.268	13.189
162.5	0.604	0.896	1.523	2.444	3.395	4.360	5.714	7.156	8.595	10.029
165.0	0.479	0.838	1.228	1.659	2.471	3.354	4.244	5.141	6.203	7.472
167.5	0.288	0.609	1.005	1.413	1.834	2.267	2.973	3.752	4.554	5.346
170.0	0.331	0.419	0.541	0.931	1.325	1.725	2.126	2.544	2.963	3.543
172.5	0.303	0.391	0.481	0.572	0.664	0.907	1.253	1.600	1.947	2.295
175.0	0.223	0.297	0.372	0.447	0.522	0.597	0.673	0.748	0.824	0.911
177.5	0.114	0.160	0.205	0.250	0.295	0.339	0.383	0.427	0.471	0.514
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>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	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1193.476	1195.308	1197.111	1198.880	1200.611	1202.302	1204.124	1205.548	1207.096	1208.590
5.0	1205.946	1209.701	1213.464	1217.158	1220.776	1224.309	1227.750	1231.091	1234.324	1237.442
7.5	1217.289	1223.161	1228.949	1234.638	1240.214	1245.665	1250.991	1256.312	1261.621	1266.442
10.0	1227.108	1235.121	1243.061	1251.038	1258.876	1266.554	1274.052	1281.352	1288.433	1295.259
12.5	1235.171	1245.589	1255.900	1266.079	1276.100	1285.912	1295.218	1304.279	1313.069	1321.562
15.0	1241.368	1254.048	1266.627	1279.021	1290.988	1302.743	1314.251	1325.476	1336.183	1346.515
17.5	1242.365	1257.786	1273.073	1288.112	1302.994	1317.668	1331.268	1344.350	1357.134	1370.203
20.0	1238.596	1256.500	1274.302	1292.021	1309.526	1326.193	1342.627	1360.019	1373.993	1388.751
22.5	1232.236	1252.711	1273.259	1293.766	1313.338	1332.648	1351.638	1369.752	1387.500	1404.598
25.0	1223.086	1246.246	1269.594	1292.549	1314.692	1338.139	1357.907	1378.766	1398.913	1418.155
27.5	1210.964	1236.799	1262.964	1288.364	1313.225	1337.733	1361.668	1385.238	1407.826	1431.804
30.0	1195.727	1224.093	1253.044	1281.017	1308.582	1335.661	1362.465	1388.608	1414.241	1438.763
32.5	1175.953	1206.740	1238.323	1269.217	1299.810	1329.797	1359.661	1388.435	1416.988	1443.792
35.0	1152.546	1185.702	1219.797	1253.646	1287.178	1320.117	1353.018	1384.320	1415.207	1444.564
37.5	1125.394	1160.886	1197.298	1234.002	1270.327	1306.263	1343.827	1375.955	1409.260	1441.011
40.0	1094.389	1132.145	1170.716	1212.179	1248.958	1287.918	1326.343	1363.032	1398.870	1432.766
42.5	1059.503	1099.582	1140.007	1181.265	1222.884	1266.394	1308.303	1348.794	1387.946	1424.198
45.0	1021.606	1066.150	1111.276	1156.607	1202.124	1247.224	1291.340	1334.481	1375.179	1413.790
47.5	990.576	1036.422	1082.870	1129.843	1176.834	1223.565	1269.869	1314.761	1357.461	1398.539
50.0	956.444	1003.255	1052.909	1098.904	1147.255	1195.734	1243.318	1289.821	1335.089	1377.985
52.5	919.396	966.910	1015.220	1064.186	1113.665	1163.088	1212.147	1260.558	1307.050	1352.046
55.0	880.000	927.715	976.350	1025.930	1075.987	1126.371	1177.002	1227.370	1276.112	1322.945
57.5	838.326	886.049	934.771	984.351	1035.303	1088.516	1140.856	1192.157	1241.284	1288.461
60.0	795.383	842.366	890.592	943.554	996.889	1049.902	1102.142	1153.204	1202.912	1250.720

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CANDELA TABULATION - (Cont.)

62.5	750.681	799.428	851.498	903.984	956.830	1009.307	1061.123	1111.991	1161.394	1209.201
65.0	709.997	760.507	811.807	863.483	915.351	967.171	1018.365	1068.610	1117.701	1165.085
67.5	671.781	721.520	771.441	821.996	872.913	923.769	974.217	1023.742	1072.058	1122.484
70.0	633.255	682.124	731.118	780.137	829.660	879.441	928.918	977.669	1029.613	1083.306
72.5	594.702	642.604	690.443	738.504	786.289	834.502	882.756	935.554	990.985	1044.101
75.0	555.795	602.944	650.011	696.828	743.420	789.623	841.537	897.656	954.040	1004.843
77.5	516.538	562.918	609.235	655.719	700.694	750.475	805.585	860.479	913.938	965.689
80.0	477.340	522.525	568.064	613.329	661.979	716.847	770.851	824.034	876.389	927.884
82.5	438.287	482.118	526.512	573.759	628.912	682.840	736.387	788.438	839.565	889.033
85.0	399.514	442.074	486.304	541.246	595.592	649.174	701.756	753.145	803.307	852.181
87.5	361.243	402.422	455.708	510.259	562.375	614.952	666.863	717.610	767.056	815.218
90.0	324.359	373.706	425.737	477.649	529.584	581.118	631.718	681.836	730.683	778.135
92.5	297.711	346.614	396.611	447.031	497.281	547.733	597.379	646.159	694.024	740.916
95.0	274.530	321.397	368.726	417.474	466.043	514.819	563.303	611.135	657.977	703.209
97.5	253.711	297.930	343.213	389.363	436.150	484.437	529.845	576.202	622.251	666.398
100.0	234.185	276.191	319.481	363.003	407.890	452.517	497.559	542.234	586.623	629.806
102.5	217.168	256.091	297.344	339.023	381.380	424.151	466.947	509.889	552.121	594.072
105.0	201.738	238.468	276.705	316.405	356.135	397.526	438.904	479.078	519.286	559.702
107.5	187.642	222.297	257.754	295.291	333.201	372.280	411.131	449.841	488.205	526.815
110.0	174.731	207.244	240.815	275.645	311.510	348.171	384.975	421.923	458.736	495.399
112.5	163.113	193.007	224.698	257.267	291.164	325.140	360.098	395.004	430.265	465.273
115.0	151.767	178.985	209.222	239.772	271.602	303.642	336.491	369.296	402.884	436.116
117.5	140.448	166.369	193.989	222.862	252.507	282.850	313.785	344.975	376.543	407.931
120.0	129.043	153.168	178.480	205.959	233.900	262.605	291.576	321.089	350.891	380.657
122.5	117.550	139.713	163.793	189.374	215.523	242.630	269.891	297.729	325.633	353.713
125.0	105.969	126.706	149.414	173.067	197.610	222.851	248.489	274.673	300.869	327.023
127.5	95.205	113.925	135.245	156.817	179.761	203.184	227.238	251.168	276.900	301.189
130.0	85.285	102.749	121.434	141.060	162.048	184.463	205.917	228.660	251.664	274.961
132.5	76.895	92.150	108.261	126.060	144.738	164.154	184.691	205.489	226.813	248.435
135.0	69.275	82.444	96.412	112.122	128.258	145.776	164.014	183.097	202.080	221.812
137.5	62.092	73.471	86.015	99.342	113.252	128.721	144.472	160.858	178.238	195.705
140.0	55.176	65.005	76.116	87.581	99.993	113.105	126.476	140.967	155.544	171.017
142.5	48.564	57.366	66.727	76.516	87.493	98.712	110.298	122.839	135.512	147.848
145.0	42.485	50.147	57.903	66.575	75.791	85.212	95.416	106.076	116.837	125.011
147.5	37.316	43.421	49.989	57.389	64.957	72.635	81.644	90.536	97.488	104.664
150.0	32.380	37.307	43.125	49.063	55.107	61.979	68.891	74.690	80.375	86.643
152.5	27.735	32.213	36.742	41.629	46.800	51.852	56.495	61.054	65.964	71.024
155.0	23.309	27.108	30.985	34.833	38.587	42.295	45.951	49.677	53.745	57.709
157.5	19.291	21.984	24.681	27.801	30.863	33.864	36.852	40.036	43.211	46.310
160.0	15.103	17.128	19.489	21.801	24.083	26.575	28.911	31.485	33.988	36.413
162.5	11.655	13.360	15.049	16.720	18.444	20.340	22.292	24.201	26.064	27.877
165.0	8.733	9.983	11.221	12.518	13.956	15.370	16.756	18.113	19.438	20.831
167.5	6.138	6.960	8.019	9.062	10.088	11.096	12.084	13.051	14.012	15.090
170.0	4.205	4.861	5.512	6.157	6.795	7.424	8.145	8.789	9.549	10.286
172.5	2.644	2.992	3.340	3.688	4.081	4.564	5.035	5.495	5.943	6.379
175.0	1.125	1.375	1.622	1.865	2.104	2.331	2.570	2.796	3.016	3.231
177.5	0.556	0.598	0.639	0.679	0.719	0.758	0.793	0.833	0.869	0.904
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	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1210.026	1211.402	1212.715	1213.963	1215.142	1216.250	1217.285	1218.245	1220.668	1221.003
5.0	1240.437	1243.304	1246.035	1248.625	1251.068	1253.358	1255.491	1257.461	1259.265	1260.898
7.5	1271.226	1275.807	1280.173	1284.313	1288.217	1291.873	1295.274	1298.410	1301.274	1303.858

CANDELA TABULATION - (Cont.)

10.0	1301.563	1307.612	1313.372	1318.827	1323.963	1328.764	1333.219	1337.315	1341.043	1344.392
12.5	1329.729	1337.541	1344.917	1351.925	1358.539	1364.740	1370.504	1375.814	1380.650	1384.997
15.0	1356.503	1366.111	1375.306	1383.882	1391.836	1399.305	1406.260	1412.673	1418.571	1423.775
17.5	1381.177	1392.342	1403.059	1413.284	1422.832	1431.426	1439.423	1446.788	1453.489	1459.499
20.0	1403.027	1416.151	1428.231	1439.762	1450.689	1460.951	1470.516	1479.386	1487.509	1494.833
22.5	1420.607	1435.996	1450.646	1464.280	1477.093	1489.193	1500.403	1510.467	1519.746	1528.170
25.0	1436.818	1454.351	1471.083	1487.889	1501.153	1514.357	1526.761	1537.987	1547.687	1556.545
27.5	1450.764	1470.874	1489.534	1506.735	1523.096	1536.859	1549.285	1560.480	1570.494	1580.167
30.0	1462.302	1484.353	1504.856	1524.067	1540.953	1556.765	1569.903	1581.547	1591.700	1600.455
32.5	1470.076	1494.009	1517.180	1537.749	1557.099	1573.593	1589.700	1601.611	1613.036	1622.527
35.0	1472.531	1499.029	1523.641	1547.270	1568.177	1588.104	1604.867	1619.793	1632.089	1642.582
37.5	1470.921	1499.840	1526.309	1551.696	1575.105	1596.116	1616.847	1632.377	1648.348	1660.438
40.0	1464.822	1495.735	1524.508	1551.857	1578.269	1600.447	1621.108	1639.420	1655.010	1669.488
42.5	1458.926	1492.155	1522.722	1551.700	1579.084	1603.043	1624.326	1643.281	1658.546	1671.512
45.0	1450.841	1485.666	1518.038	1548.650	1577.165	1602.394	1625.282	1645.799	1662.512	1676.820
47.5	1437.504	1473.782	1508.246	1540.723	1569.592	1596.062	1619.992	1640.426	1657.127	1671.254
50.0	1418.268	1456.752	1493.678	1525.012	1554.767	1582.300	1606.531	1627.267	1645.004	1659.892
52.5	1394.654	1434.027	1470.253	1503.963	1535.011	1562.612	1587.880	1612.453	1631.051	1649.116
55.0	1365.985	1406.434	1444.290	1478.231	1509.495	1538.481	1567.216	1592.354	1614.074	1632.023
57.5	1333.504	1374.882	1413.028	1448.493	1482.328	1514.954	1544.845	1570.278	1592.513	1609.628
60.0	1296.031	1338.911	1378.270	1417.984	1455.224	1488.333	1518.273	1545.004	1566.970	1583.979
62.5	1255.228	1299.357	1344.795	1386.042	1423.609	1459.315	1488.537	1516.022	1537.778	1556.335
65.0	1213.133	1262.631	1308.298	1350.693	1388.767	1423.791	1455.314	1482.552	1505.729	1525.851
67.5	1174.397	1223.902	1269.696	1312.350	1351.273	1386.427	1418.294	1446.002	1470.382	1491.238
70.0	1134.642	1183.526	1230.079	1272.699	1312.037	1347.309	1379.398	1407.621	1432.624	1454.098
72.5	1096.899	1142.784	1188.325	1231.656	1271.661	1306.946	1339.205	1368.047	1393.917	1416.182
75.0	1055.053	1102.452	1147.262	1189.383	1228.704	1265.060	1297.805	1327.190	1355.067	1376.868
77.5	1015.344	1062.708	1107.061	1149.540	1185.921	1221.332	1254.486	1284.816	1312.120	1335.582
80.0	976.187	1022.730	1067.199	1107.042	1143.801	1178.417	1211.022	1241.218	1268.874	1291.856
82.5	937.724	983.959	1026.546	1065.237	1101.839	1136.023	1168.001	1197.731	1225.203	1246.709
85.0	899.459	945.292	985.974	1024.115	1060.105	1094.011	1125.649	1154.858	1181.927	1201.771
87.5	861.929	905.291	945.350	983.136	1018.937	1052.530	1084.004	1113.321	1138.896	1157.913
90.0	823.910	865.735	905.341	942.798	978.083	1011.516	1042.799	1073.629	1095.656	1114.324
92.5	785.131	826.673	866.082	903.384	938.487	971.608	1002.611	1031.510	1052.813	1071.404
95.0	746.580	788.239	827.644	864.771	899.788	932.836	963.774	991.919	1011.223	1028.978
97.5	708.797	750.915	788.986	826.654	861.708	895.157	926.151	951.744	970.226	987.268
100.0	671.795	712.156	750.827	787.804	823.291	857.120	889.141	912.079	929.728	946.060
102.5	635.167	674.995	713.354	750.085	785.127	818.496	850.198	869.869	887.699	904.014
105.0	599.258	638.170	676.023	712.521	747.347	780.576	809.241	827.901	845.168	861.026
107.5	564.644	602.278	638.969	674.617	709.196	742.401	769.281	785.663	802.520	818.039
110.0	531.509	567.608	602.828	637.313	671.000	703.528	724.320	742.074	758.698	773.989
112.5	499.914	534.277	567.894	601.045	633.470	662.442	680.817	698.176	714.253	728.773
115.0	469.291	502.109	534.247	566.002	597.001	620.810	638.369	654.989	670.391	684.547
117.5	439.561	470.818	501.553	531.961	561.595	580.287	596.963	612.737	627.411	640.949
120.0	410.592	440.203	469.505	498.511	523.965	540.596	556.403	571.296	585.179	598.011
122.5	381.998	410.046	437.881	465.384	485.500	501.242	516.218	530.222	543.445	555.578
125.0	353.758	380.014	406.282	431.613	447.328	463.211	476.436	489.726	502.094	513.504
127.5	325.948	351.356	375.134	394.790	409.432	423.385	436.777	449.328	461.004	471.657
130.0	298.215	321.377	344.353	358.679	372.289	385.297	397.719	409.368	420.205	430.194
132.5	270.061	291.690	309.420	322.646	335.609	347.734	359.210	369.968	379.972	389.183
135.0	241.579	261.002	274.382	286.972	298.746	310.278	320.976	330.950	340.173	348.614
137.5	213.240	227.764	239.979	251.580	263.617	273.130	283.081	292.333	300.860	308.637
140.0	184.942	196.357	207.260	217.525	227.497	237.249	246.349	254.779	262.521	269.559
142.5	157.796	167.650	177.107	186.147	194.959	203.650	211.771	219.306	226.238	232.550
145.0	133.609	141.905	149.879	157.513	165.223	172.763	179.838	186.428	192.514	198.078
147.5	111.936	118.914	125.664	132.419	138.749	145.083	151.034	156.585	161.719	166.420

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CANDELA TABULATION - (Cont.)

150.0	92.689	98.505	104.081	109.561	115.177	120.480	125.457	130.094	134.379	138.300
152.5	75.919	80.640	85.176	89.867	94.498	98.868	102.967	106.786	110.313	113.542
155.0	61.561	65.292	68.942	72.877	76.618	80.155	83.480	86.586	89.462	92.102
157.5	49.326	52.251	55.309	58.387	61.324	64.112	66.741	69.206	71.498	73.609
160.0	38.758	41.086	43.566	45.944	48.214	50.370	52.386	54.313	56.088	57.722
162.5	29.686	31.609	33.470	35.322	37.043	38.669	40.197	41.623	42.943	44.155
165.0	22.207	23.661	25.057	26.393	27.666	28.872	30.009	31.073	32.062	32.973
167.5	16.133	17.139	18.102	19.031	19.914	20.751	21.540	22.279	22.967	23.600
170.0	10.998	11.684	12.343	12.973	13.573	14.141	14.676	15.177	15.642	16.069
172.5	6.801	7.208	7.601	7.977	8.336	8.677	8.999	9.300	9.566	9.839
175.0	3.439	3.640	3.834	4.020	4.198	4.366	4.525	4.674	4.812	4.939
177.5	0.937	0.970	1.001	1.031	1.059	1.086	1.111	1.134	1.195	1.202
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>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	1179.642	1179.642	1179.642	1179.642	1179.642
2.5	1221.341	1221.683	1222.027	1222.372	1222.718
5.0	1263.826	1264.468	1265.115	1265.765	1266.417
7.5	1306.155	1309.534	1310.482	1311.436	1312.393
10.0	1347.357	1349.929	1352.913	1354.085	1355.262
12.5	1388.840	1392.167	1396.058	1397.507	1398.961
15.0	1428.419	1432.435	1437.251	1438.862	1440.588
17.5	1464.792	1469.348	1473.155	1476.586	1478.487
20.0	1501.314	1506.907	1511.579	1515.793	1518.043
22.5	1535.674	1542.191	1547.668	1552.633	1555.321
25.0	1564.485	1571.433	1577.327	1582.701	1585.765
27.5	1589.021	1596.936	1603.888	1610.160	1613.930
30.0	1610.546	1619.292	1626.616	1633.199	1636.918
32.5	1629.502	1638.942	1647.507	1655.607	1660.321
35.0	1650.003	1654.958	1664.359	1672.731	1679.374
37.5	1669.218	1673.695	1676.856	1686.959	1695.321
40.0	1680.885	1689.941	1692.559	1696.172	1707.954
42.5	1683.014	1693.580	1703.454	1705.022	1712.924
45.0	1689.042	1698.577	1705.035	1709.222	1711.060
47.5	1682.638	1690.721	1701.567	1706.287	1712.924
50.0	1674.331	1687.167	1693.549	1693.938	1707.954
52.5	1664.608	1673.899	1676.986	1684.370	1695.321
55.0	1647.004	1653.830	1658.052	1669.886	1679.374
57.5	1622.603	1631.506	1640.311	1651.528	1660.321
60.0	1597.096	1607.006	1618.869	1629.211	1636.918
62.5	1570.231	1581.559	1594.537	1605.415	1613.930
65.0	1541.234	1554.986	1567.645	1577.935	1585.765
67.5	1508.381	1523.743	1536.871	1548.836	1555.321
70.0	1472.242	1487.487	1500.284	1511.864	1518.043
72.5	1434.398	1449.195	1461.475	1472.461	1478.487
75.0	1394.917	1410.027	1422.704	1434.151	1440.588
77.5	1353.055	1368.186	1380.905	1392.404	1398.961
80.0	1309.467	1324.589	1337.231	1348.592	1355.262
82.5	1264.609	1280.065	1293.187	1305.129	1312.393
85.0	1219.183	1234.332	1247.229	1258.969	1266.417
87.5	1174.930	1189.921	1202.874	1214.795	1222.718
90.0	1131.488	1146.465	1159.472	1171.479	1179.642
92.5	1088.036	1102.863	1115.863	1127.944	1136.358
95.0	1045.129	1059.628	1072.436	1084.403	1092.867

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CANDELA TABULATION - (Cont.)

97.5	1002.563	1016.818	1029.234	1040.862	1049.169
100.0	961.010	974.519	986.533	997.811	1005.885
102.5	918.788	932.001	943.642	954.492	962.187
105.0	875.445	888.396	899.861	910.584	918.281
107.5	832.183	844.915	856.207	866.783	874.376
110.0	787.910	800.423	811.497	821.858	829.228
112.5	742.311	754.434	765.128	775.107	782.217
115.0	697.429	709.016	719.287	728.647	735.826
117.5	653.317	664.480	674.411	683.732	690.471
120.0	609.753	620.367	629.821	638.702	645.117
122.5	566.672	576.692	585.602	593.967	599.969
125.0	523.921	533.312	541.646	549.459	555.028
127.5	481.582	490.415	498.234	505.554	510.709
130.0	439.299	447.483	454.713	461.476	466.182
132.5	397.564	405.077	411.688	417.859	422.070
135.0	356.246	363.043	368.977	374.488	378.165
137.5	315.641	321.851	327.244	332.235	335.502
140.0	275.877	281.461	287.851	290.758	293.668
142.5	238.228	243.258	249.010	251.663	254.319
145.0	203.102	207.569	212.686	215.070	217.455
147.5	170.671	174.456	178.793	180.830	182.869
150.0	141.844	144.998	148.606	150.308	152.011
152.5	116.461	119.064	121.936	123.455	124.881
155.0	94.498	96.641	99.080	100.279	101.479
157.5	75.531	77.257	79.221	80.201	81.183
160.0	59.211	60.547	62.070	62.825	63.580
162.5	45.254	46.237	47.354	47.907	48.461
165.0	33.801	34.546	35.391	35.817	36.243
167.5	24.178	24.986	25.286	25.587	25.888
170.0	16.458	17.005	17.204	17.404	17.604
172.5	10.075	10.406	10.527	10.648	10.769
175.0	5.166	5.221	5.275	5.330	5.385
177.5	1.210	1.219	1.227	1.235	1.243
180.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	430.91	N.A.	8.40
0-30	922.97	N.A.	18.00
0-40	1528.79	N.A.	29.80
0-60	2802.69	N.A.	54.60
0-80	3816.75	N.A.	74.30
0-90	4192.26	N.A.	81.70
10-90	4081.28	N.A.	79.50
20-40	1097.89	N.A.	21.40
20-50	1747.08	N.A.	34.00
40-70	1825.95	N.A.	35.60
60-80	1014.06	N.A.	19.80
70-80	462.01	N.A.	9.00
80-90	375.51	N.A.	7.30
90-110	535.53	N.A.	10.40
90-120	708.78	N.A.	13.80
90-130	826.24	N.A.	16.10
90-150	926.88	N.A.	18.10
90-180	941.35	N.A.	18.30
110-180	405.82	N.A.	7.90
0-180	5133.61	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.98
10-20	319.93
20-30	492.06
30-40	605.82
40-50	649.19
50-60	624.70
60-70	552.06
70-80	462.01
80-90	375.51
90-100	300.94
100-110	234.59
110-120	173.25
120-130	117.45
130-140	68.50
140-150	32.15
150-160	11.56
160-170	2.70
170-180	0.22

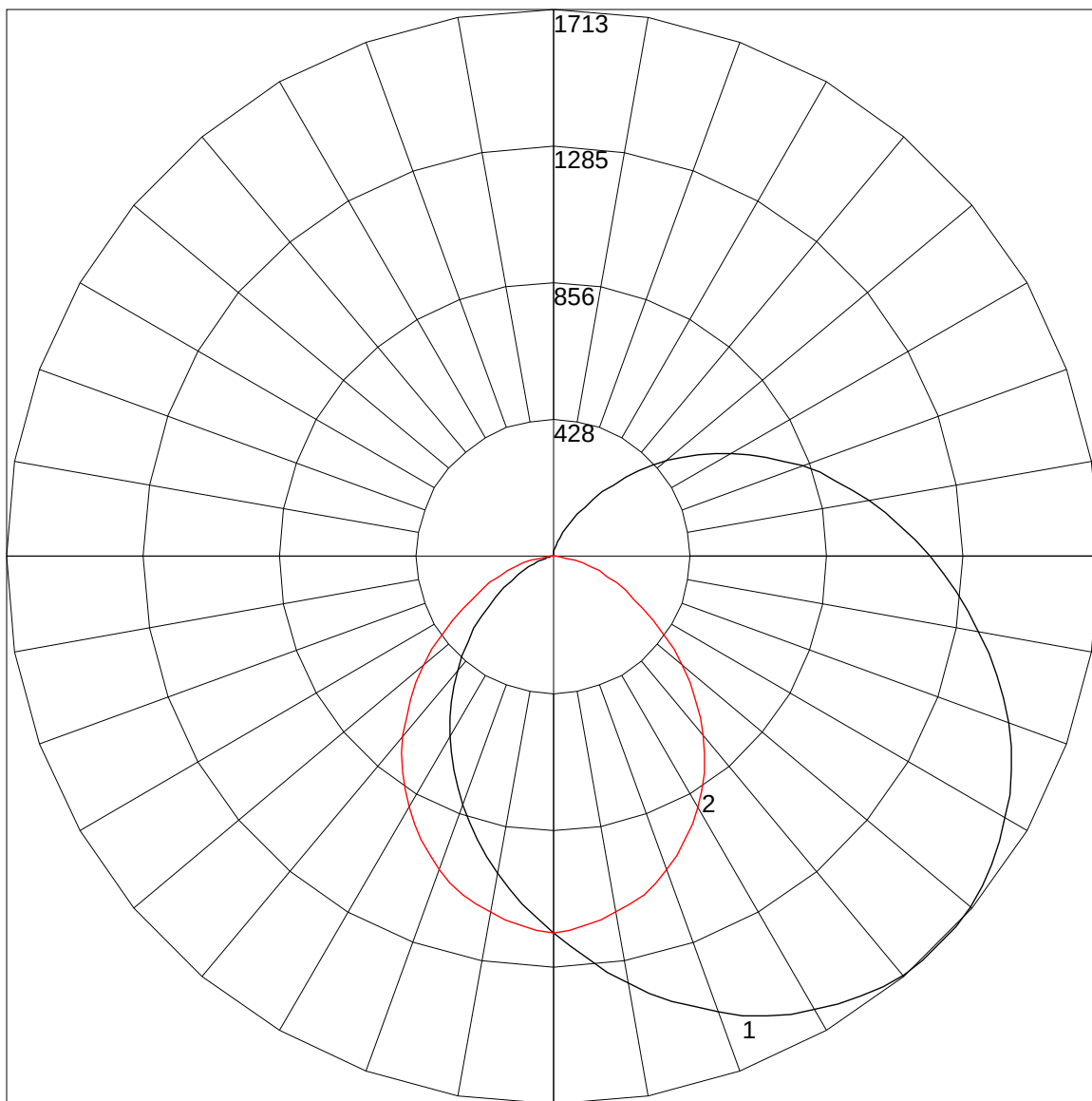
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	85	85	85	82
1	102	96	91	86	97	92	87	83	84	80	77	77	74	71	70	68	66	62
2	92	82	74	68	87	79	72	66	72	66	61	66	61	57	60	57	53	50
3	83	71	63	55	79	68	60	54	63	56	50	58	52	47	53	48	44	41
4	76	63	54	46	72	60	52	45	55	48	42	51	45	40	47	42	37	35
5	69	56	46	39	66	54	45	38	49	42	36	45	39	34	42	36	32	30
6	64	50	41	34	61	48	40	33	44	37	32	41	35	30	38	32	28	26
7	59	45	36	30	56	43	35	29	40	33	28	37	31	26	34	29	25	22
8	55	41	32	26	52	40	31	26	37	30	25	34	28	23	32	26	22	20
9	51	38	29	24	49	36	28	23	34	27	22	31	25	21	29	24	20	18
10	48	35	27	21	46	33	26	21	31	24	20	29	23	19	27	22	18	16

POLAR GRAPH



Maximum Candela = 1712.924 Located At Horizontal Angle = 0, Vertical Angle = 42.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)