



IES INDOOR REPORT

PHOTOMETRIC FILENAME : TCCL48H-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 11890707-05

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 6/15/2022

[MANUFAC] Lamar LED

[LUMCAT] TCCL48H-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, 0.4284A, 51.4 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5867
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	51.4
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	2.06
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.81 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	52252	33146	18907
55	64635	35342	18539
65	81168	38017	18331
75	116444	41898	18334
85	267189	48155	19174

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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	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1198.168	1198.082	1197.996	1197.910	1197.825	1197.741	1197.658	1194.780	1193.855	1192.824
5.0	1255.052	1254.785	1254.519	1254.255	1253.992	1250.850	1249.339	1247.616	1245.684	1243.549
7.5	1310.251	1309.674	1309.099	1308.527	1305.014	1302.828	1300.311	1297.474	1294.788	1291.036
10.0	1361.870	1360.885	1359.904	1356.916	1354.404	1351.480	1348.159	1345.666	1340.043	1335.352
12.5	1411.802	1410.265	1408.736	1404.549	1401.004	1396.931	1393.333	1387.139	1381.501	1375.545
15.0	1457.521	1455.281	1453.053	1447.743	1443.212	1438.102	1432.362	1426.099	1419.195	1412.869
17.5	1500.079	1496.926	1492.176	1487.105	1481.355	1474.931	1467.877	1460.166	1452.699	1443.241
20.0	1539.477	1535.182	1529.069	1522.615	1515.424	1507.415	1500.181	1489.708	1479.909	1469.673
22.5	1575.294	1569.685	1561.884	1553.746	1544.973	1535.682	1525.488	1514.529	1503.169	1491.487
25.0	1607.107	1600.064	1590.851	1581.252	1570.709	1559.382	1547.500	1535.122	1521.961	1511.270
27.5	1634.286	1625.827	1615.195	1604.409	1591.828	1578.624	1565.292	1552.915	1542.762	1532.133
30.0	1657.672	1647.536	1634.975	1622.090	1608.212	1593.696	1583.222	1572.653	1561.087	1549.066
32.5	1678.530	1665.762	1650.494	1635.497	1619.865	1610.030	1600.158	1588.482	1576.268	1562.401
35.0	1695.174	1677.430	1659.162	1642.153	1631.061	1620.753	1609.544	1598.289	1585.636	1573.242
37.5	1708.657	1683.579	1659.307	1646.135	1635.165	1624.344	1615.368	1606.233	1597.059	1584.791
40.0	1716.664	1678.640	1656.324	1641.914	1634.947	1629.676	1622.348	1613.372	1602.726	1591.313
42.5	1721.298	1661.550	1647.246	1643.829	1638.861	1632.120	1624.983	1615.271	1604.555	1592.411
45.0	1664.624	1642.575	1641.218	1638.235	1634.148	1628.125	1621.008	1611.337	1601.161	1589.137
47.5	1718.349	1655.584	1643.629	1639.627	1633.310	1625.830	1617.163	1606.913	1595.773	1583.764
50.0	1710.554	1666.732	1644.036	1633.151	1627.975	1621.873	1612.869	1602.252	1590.161	1576.746
52.5	1699.388	1668.111	1643.690	1628.185	1617.368	1610.750	1602.717	1593.764	1580.357	1565.687
55.0	1681.901	1658.329	1634.180	1621.283	1607.443	1595.558	1587.007	1576.895	1564.869	1551.049
57.5	1659.568	1641.386	1622.628	1606.285	1593.296	1579.225	1568.385	1557.263	1544.782	1531.413
60.0	1634.075	1619.640	1603.126	1586.126	1574.282	1560.817	1547.476	1534.421	1522.629	1509.168
62.5	1606.475	1593.875	1579.166	1562.822	1550.503	1537.864	1524.430	1509.642	1497.485	1484.833
65.0	1574.240	1563.811	1551.077	1536.290	1523.775	1511.221	1498.302	1484.392	1469.842	1455.700
67.5	1539.056	1531.614	1518.921	1505.450	1491.194	1480.466	1468.401	1454.794	1439.578	1424.609
70.0	1500.289	1494.212	1483.104	1471.043	1456.950	1446.960	1434.350	1420.924	1405.928	1389.798
72.5	1459.838	1454.770	1444.799	1433.666	1420.216	1407.797	1397.042	1384.050	1369.895	1354.739
75.0	1418.123	1413.742	1404.274	1393.669	1380.711	1366.817	1357.755	1344.682	1331.602	1317.254
77.5	1374.299	1370.221	1361.233	1351.115	1338.554	1323.835	1313.786	1302.765	1290.186	1276.321
80.0	1327.949	1324.296	1315.471	1307.469	1294.644	1279.611	1268.169	1257.938	1246.020	1232.737
82.5	1277.806	1274.835	1267.095	1259.362	1246.687	1233.688	1219.845	1210.497	1199.310	1185.888
85.0	1227.031	1224.421	1216.971	1209.142	1197.562	1184.523	1171.195	1160.183	1148.724	1136.898
87.5	1173.517	1171.407	1164.223	1156.154	1145.209	1132.144	1117.039	1106.031	1095.088	1082.397
90.0	1115.157	1113.635	1107.007	1099.276	1089.091	1076.485	1061.907	1051.645	1039.524	1027.653
92.5	1053.637	1052.813	1046.938	1039.985	1030.645	1019.095	1005.411	991.302	982.076	972.632
95.0	991.063	990.850	985.614	979.288	970.759	960.157	947.357	932.411	923.650	913.689
97.5	927.858	928.151	923.608	918.008	910.288	900.270	888.054	873.960	863.351	854.367
100.0	862.967	863.838	859.841	854.786	847.602	838.288	826.908	813.801	801.579	793.551
102.5	794.915	796.594	793.595	789.506	783.042	774.513	766.293	752.156	738.856	732.394
105.0	725.600	728.053	725.759	722.487	717.259	711.814	701.720	691.843	677.888	670.583
107.5	655.442	658.788	657.532	655.300	651.114	645.850	637.220	628.051	619.348	608.563
110.0	584.020	588.363	588.276	587.258	584.244	579.376	573.010	565.136	555.916	546.419
112.5	511.123	516.623	517.755	518.005	516.383	512.997	508.115	501.917	494.407	486.987
115.0	438.015	444.696	447.207	448.850	451.179	446.780	443.538	439.185	433.707	427.278
117.5	365.328	373.230	377.139	380.252	383.585	381.598	380.353	378.086	374.874	371.115
120.0	293.695	302.949	308.498	313.342	317.978	318.764	319.584	319.465	318.770	317.598
122.5	223.537	234.333	241.620	248.257	254.270	257.636	260.736	262.871	263.964	264.238
125.0	156.561	168.610	177.465	185.670	192.783	198.231	202.865	207.740	209.921	212.520
127.5	95.861	108.522	118.544	127.969	136.181	143.384	149.555	154.832	159.401	163.207
130.0	45.887	58.524	69.135	79.230	88.301	96.578	104.846	110.624	116.459	121.350
132.5	10.913	22.645	33.237	43.398	52.772	61.560	69.651	76.739	83.190	88.645

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CANDELA TABULATION - (Cont.)

135.0	0.000	9.333	18.441	27.236	35.524	43.122	49.868	55.646	60.359	63.915
137.5	0.000	6.591	12.994	19.136	24.857	30.022	34.500	38.215	41.002	43.368
140.0	0.000	4.259	8.514	12.244	15.773	18.817	21.253	23.011	24.472	24.056
142.5	0.000	2.199	4.396	6.103	7.627	9.059	9.287	9.221	8.444	6.830
145.0	0.000	0.329	0.657	0.691	0.617	0.428	0.200	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>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	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1191.692	1190.458	1189.128	1187.702	1186.186	1185.452	1182.819	1181.000	1179.103	1177.131
5.0	1241.482	1238.704	1236.006	1233.134	1230.093	1226.820	1223.376	1219.781	1217.901	1212.115
7.5	1287.444	1283.584	1279.374	1274.888	1271.102	1265.194	1260.021	1254.646	1249.079	1243.272
10.0	1330.269	1324.827	1319.052	1312.952	1306.695	1300.258	1293.234	1285.995	1278.651	1270.855
12.5	1369.198	1362.332	1355.011	1347.170	1339.427	1331.161	1322.417	1314.667	1304.153	1294.588
15.0	1404.066	1395.784	1386.971	1377.620	1369.704	1359.524	1349.377	1336.663	1325.883	1314.522
17.5	1433.941	1424.272	1414.171	1403.519	1392.309	1381.428	1368.647	1356.263	1343.710	1330.733
20.0	1459.110	1448.056	1437.573	1424.390	1412.464	1403.042	1389.749	1378.637	1364.534	1351.329
22.5	1479.557	1467.555	1457.483	1446.700	1435.003	1422.862	1410.106	1396.795	1382.766	1368.090
25.0	1500.811	1490.772	1478.552	1466.374	1453.913	1440.501	1427.679	1412.935	1397.988	1382.642
27.5	1520.661	1508.921	1495.976	1483.127	1469.544	1456.189	1439.614	1424.140	1408.194	1392.255
30.0	1536.378	1523.332	1509.679	1495.643	1482.224	1465.591	1449.556	1432.936	1416.003	1398.650
32.5	1548.384	1534.535	1519.713	1506.049	1491.016	1475.290	1459.109	1441.404	1423.492	1405.043
35.0	1560.374	1546.483	1531.760	1516.505	1500.534	1484.103	1466.766	1448.894	1428.812	1409.225
37.5	1571.450	1556.694	1541.050	1524.257	1507.307	1490.089	1472.223	1452.763	1432.553	1412.215
40.0	1578.698	1563.737	1547.279	1529.185	1511.255	1493.458	1474.198	1453.431	1431.810	1410.175
42.5	1579.567	1565.207	1547.327	1528.737	1510.106	1491.497	1472.076	1450.646	1428.714	1406.568
45.0	1576.245	1560.768	1543.944	1524.412	1505.768	1485.907	1465.448	1443.333	1421.122	1399.521
47.5	1569.876	1554.108	1536.244	1517.608	1498.009	1478.160	1456.682	1434.020	1411.196	1388.192
50.0	1561.481	1544.263	1527.059	1507.759	1489.136	1467.632	1445.263	1422.653	1399.501	1376.182
52.5	1549.457	1532.220	1514.155	1494.889	1475.100	1454.020	1432.310	1409.325	1386.176	1362.328
55.0	1534.806	1517.551	1499.158	1478.968	1458.511	1436.724	1414.710	1392.926	1370.744	1346.160
57.5	1516.986	1500.349	1480.755	1460.617	1438.803	1417.005	1395.140	1372.954	1350.084	1326.196
60.0	1494.592	1477.846	1459.744	1439.006	1417.082	1395.478	1373.363	1350.927	1327.242	1302.166
62.5	1468.836	1451.913	1434.171	1414.123	1393.491	1371.578	1349.723	1326.511	1301.887	1276.014
65.0	1439.665	1422.323	1404.378	1386.099	1367.079	1346.197	1323.641	1300.053	1274.175	1247.358
67.5	1408.052	1391.095	1373.916	1355.669	1336.861	1317.218	1295.914	1270.160	1243.864	1216.781
70.0	1374.413	1358.224	1341.366	1323.176	1304.173	1284.005	1262.335	1238.131	1211.754	1184.486
72.5	1339.325	1323.032	1306.065	1287.936	1270.149	1247.704	1225.495	1202.666	1177.932	1152.018
75.0	1301.307	1285.191	1268.259	1249.699	1230.685	1209.344	1187.537	1163.629	1140.815	1116.089
77.5	1261.094	1245.798	1227.338	1208.211	1189.227	1166.951	1145.028	1123.602	1100.509	1077.591
80.0	1219.076	1200.935	1182.961	1163.649	1143.758	1123.573	1101.780	1079.975	1058.477	1035.511

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82.5	1170.881	1153.862	1135.598	1116.885	1097.420	1078.789	1056.789	1035.547	1014.125	992.761
85.0	1122.114	1104.297	1086.628	1068.381	1049.532	1030.179	1011.217	989.751	968.591	947.387
87.5	1068.339	1052.725	1036.430	1018.211	999.903	981.612	962.323	942.853	922.223	901.947
90.0	1014.407	999.672	983.764	967.249	949.601	931.717	913.205	895.787	875.114	856.451
92.5	958.834	945.506	930.626	914.795	898.065	881.008	863.164	845.598	829.105	810.379
95.0	902.258	889.553	875.678	860.545	844.950	828.935	813.340	797.188	780.988	764.544
97.5	844.021	832.637	819.511	807.097	791.872	777.825	765.541	748.888	733.632	719.587
100.0	784.340	773.882	762.763	750.888	738.666	727.553	713.794	700.866	686.681	671.744
102.5	724.362	715.563	708.001	697.818	685.050	674.399	663.705	653.033	639.461	625.094
105.0	664.305	656.900	648.913	640.385	631.408	622.174	612.699	603.032	592.688	578.100
107.5	604.206	598.080	591.638	584.589	577.000	569.051	560.728	552.180	543.408	531.594
110.0	543.106	538.945	534.133	528.266	522.168	515.617	508.875	501.480	493.868	486.051
112.5	482.461	480.243	476.608	472.512	468.143	463.171	457.687	451.705	445.073	437.647
115.0	423.311	422.598	421.020	419.126	415.829	412.305	407.879	402.358	396.622	390.235
117.5	367.569	368.225	368.262	367.268	365.213	361.856	358.057	353.569	348.777	343.511
120.0	316.042	317.941	316.633	315.760	314.193	311.923	309.244	306.061	302.472	299.249
122.5	263.920	263.970	264.888	265.189	264.959	264.008	264.118	261.983	257.800	254.348
125.0	212.964	213.962	216.015	217.699	219.517	219.082	218.472	217.310	215.774	213.458
127.5	166.722	168.721	171.285	174.549	175.569	176.805	178.113	177.363	176.282	174.393
130.0	125.342	128.480	129.984	133.660	136.628	138.407	139.508	139.784	140.473	138.539
132.5	92.819	95.262	95.943	97.531	100.619	102.838	104.101	104.541	103.916	102.398
135.0	66.213	67.183	66.772	64.730	67.405	69.451	70.631	71.385	69.826	67.945
137.5	43.983	42.947	41.081	37.926	35.696	37.175	37.826	37.724	38.797	41.485
140.0	23.128	20.989	17.811	13.106	7.422	7.241	12.863	18.687	22.865	25.555
142.5	4.520	1.970	0.325	0.000	0.000	0.000	4.758	8.907	11.547	12.607
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.589	3.869	3.715
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.265	0.152
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>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	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1175.088	1173.303	1170.747	1168.463	1166.122	1163.731	1161.294	1161.014	1156.697	1154.362
5.0	1208.081	1203.930	1199.670	1195.311	1190.800	1186.195	1183.222	1176.669	1171.793	1166.707
7.5	1237.334	1231.209	1226.316	1218.375	1211.679	1204.873	1197.979	1192.687	1183.744	1176.456
10.0	1262.862	1255.711	1246.379	1237.815	1229.174	1220.340	1212.477	1201.954	1192.679	1183.093
12.5	1284.803	1274.901	1264.442	1253.969	1243.212	1232.265	1221.383	1209.995	1199.324	1188.686
15.0	1302.879	1290.934	1279.071	1266.786	1254.034	1241.222	1228.225	1215.088	1201.515	1188.068
17.5	1318.705	1306.180	1292.940	1279.673	1265.972	1251.724	1237.101	1222.417	1206.995	1191.634
20.0	1337.428	1323.381	1309.978	1293.592	1278.343	1264.016	1245.958	1229.375	1212.067	1194.920
22.5	1353.111	1337.485	1322.265	1304.988	1287.838	1270.240	1252.183	1233.868	1214.688	1195.324
25.0	1366.865	1348.521	1331.220	1313.319	1294.704	1275.603	1255.903	1235.955	1215.095	1194.682
27.5	1374.380	1356.611	1338.301	1318.992	1299.055	1278.454	1258.644	1235.511	1212.999	1189.933

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CANDELA TABULATION - (Cont.)

30.0	1380.568	1362.048	1342.668	1322.237	1300.958	1278.907	1256.468	1232.778	1208.649	1185.230
32.5	1385.942	1366.312	1345.793	1324.234	1301.534	1277.979	1254.066	1228.752	1202.938	1176.534
35.0	1388.925	1368.202	1346.522	1323.962	1300.867	1275.126	1249.478	1222.801	1195.710	1168.041
37.5	1389.588	1367.935	1345.159	1321.350	1297.532	1271.229	1243.338	1215.001	1186.473	1157.546
40.0	1388.237	1366.595	1341.803	1316.668	1290.368	1263.020	1234.444	1205.469	1176.057	1146.154
42.5	1385.258	1361.086	1336.464	1309.978	1282.960	1253.936	1224.369	1194.479	1163.942	1133.593
45.0	1375.618	1351.848	1326.690	1300.244	1272.684	1243.727	1212.839	1181.945	1151.217	1119.806
47.5	1364.728	1339.955	1314.078	1285.993	1257.141	1228.926	1198.141	1168.361	1137.319	1105.042
50.0	1351.781	1325.912	1299.697	1269.999	1240.182	1210.080	1179.563	1150.603	1118.740	1087.905
52.5	1336.839	1309.891	1281.693	1251.961	1221.584	1190.540	1159.975	1128.850	1097.739	1065.785
55.0	1319.914	1292.098	1262.726	1232.363	1201.503	1170.160	1138.949	1107.193	1075.118	1043.763
57.5	1300.677	1272.875	1242.230	1212.112	1179.850	1149.191	1116.586	1084.902	1051.508	1018.777
60.0	1276.011	1248.618	1220.187	1188.670	1157.094	1125.462	1092.969	1060.281	1027.211	994.580
62.5	1248.870	1220.833	1192.250	1163.692	1133.299	1101.195	1068.651	1035.454	1002.630	969.926
65.0	1219.719	1191.356	1162.750	1134.061	1105.388	1076.421	1043.279	1011.025	977.539	945.842
67.5	1188.878	1161.607	1132.086	1104.468	1074.552	1047.129	1016.599	984.710	952.137	919.368
70.0	1156.831	1128.563	1099.957	1071.232	1042.141	1013.171	984.615	956.793	926.723	893.365
72.5	1123.290	1095.081	1066.547	1037.628	1008.742	980.240	952.312	924.412	896.690	866.302
75.0	1089.026	1060.228	1031.678	1003.062	974.784	946.907	919.082	891.391	862.972	834.994
77.5	1052.006	1024.390	995.875	968.035	940.368	912.793	886.844	857.083	830.944	801.165
80.0	1012.841	986.937	960.145	932.494	905.334	878.107	850.332	824.287	794.785	768.861
82.5	969.912	948.362	923.091	897.079	869.755	842.529	815.201	787.635	760.192	732.684
85.0	927.059	905.763	885.381	860.038	834.442	806.613	779.515	752.429	725.167	697.950
87.5	882.224	863.538	842.911	822.901	796.723	771.679	743.665	716.776	689.895	663.319
90.0	837.632	818.840	800.920	780.172	759.543	733.740	707.354	680.922	654.796	628.477
92.5	792.431	774.322	756.141	738.606	717.980	696.726	670.864	645.140	619.448	594.505
95.0	747.127	729.781	711.912	694.091	674.937	655.925	634.460	609.440	584.488	559.561
97.5	701.757	684.883	667.453	649.822	632.257	613.448	595.405	574.162	550.030	525.201
100.0	656.948	639.558	622.758	605.776	588.475	571.881	554.108	536.525	514.991	491.406
102.5	610.031	594.331	578.323	562.081	545.801	529.281	513.050	495.860	478.611	456.728
105.0	563.864	549.877	534.139	518.832	503.393	487.449	471.534	455.283	438.608	421.113
107.5	518.209	505.908	490.390	476.050	461.179	446.163	430.722	415.009	398.432	383.515
110.0	473.180	460.325	447.071	433.529	419.485	405.189	390.234	375.029	359.885	343.848
112.5	428.812	416.788	404.852	391.600	378.403	364.377	350.598	336.342	321.332	305.657
115.0	383.668	373.863	363.468	350.204	337.473	325.119	311.860	299.107	284.468	269.855
117.5	337.939	331.623	322.530	309.846	298.539	286.347	273.895	260.361	246.518	232.308
120.0	293.161	287.422	281.305	270.858	259.969	249.423	236.420	223.978	210.741	196.700
122.5	250.642	245.856	240.155	232.672	222.590	211.886	200.606	188.434	175.374	162.449
125.0	210.051	206.363	200.645	194.413	186.532	176.347	165.302	154.626	140.175	126.007
127.5	171.670	167.693	162.889	157.128	150.115	141.248	130.253	118.135	104.867	90.667
130.0	134.906	131.389	126.556	120.701	114.978	105.951	95.570	82.812	69.414	55.121
132.5	99.621	95.872	91.383	87.607	82.292	73.140	61.492	47.059	33.689	21.063
135.0	65.729	65.268	63.835	59.824	53.390	44.030	31.979	17.210	4.377	3.590
137.5	43.352	43.043	40.624	35.755	28.474	18.752	7.681	1.399	0.008	0.000
140.0	25.880	24.456	20.989	15.456	8.102	2.183	0.163	0.000	0.000	0.000
142.5	12.060	9.609	5.668	1.930	0.314	0.000	0.000	0.000	0.000	0.000
145.0	2.529	0.887	0.175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.021	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

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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	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1152.003	1149.880	1146.980	1144.346	1141.705	1139.061	1137.740	1133.690	1131.005	1128.336
5.0	1161.571	1156.660	1151.895	1148.535	1141.744	1136.515	1131.220	1125.954	1120.787	1115.689
7.5	1169.929	1161.392	1154.035	1147.200	1139.142	1131.381	1123.645	1116.031	1108.422	1100.803
10.0	1173.456	1163.592	1153.693	1145.865	1134.059	1123.892	1113.876	1103.815	1093.818	1084.003
12.5	1175.031	1163.070	1150.935	1138.936	1126.491	1114.190	1101.796	1089.464	1077.478	1065.133
15.0	1175.723	1159.918	1145.844	1131.595	1116.819	1102.222	1087.612	1074.526	1058.761	1044.434
17.5	1175.541	1159.157	1142.873	1125.948	1108.981	1091.778	1077.182	1057.552	1040.734	1023.304
20.0	1176.705	1158.334	1140.701	1120.887	1101.692	1083.909	1063.494	1044.307	1025.056	1006.053
22.5	1175.441	1155.210	1135.700	1113.572	1092.874	1071.713	1050.654	1031.697	1008.466	987.578
25.0	1173.900	1149.658	1127.369	1104.761	1081.971	1059.212	1036.322	1013.468	992.145	967.697
27.5	1166.385	1142.596	1118.332	1094.049	1070.421	1047.392	1020.759	996.353	971.757	947.195
30.0	1158.792	1133.235	1107.773	1082.073	1056.051	1030.084	1004.168	978.147	952.011	926.209
32.5	1150.025	1122.917	1096.406	1068.499	1041.200	1013.931	986.631	960.508	931.613	904.058
35.0	1139.873	1111.703	1083.177	1054.545	1027.373	997.078	968.272	939.520	911.851	882.193
37.5	1128.591	1099.278	1070.127	1039.673	1009.743	981.033	949.611	919.676	889.895	859.992
40.0	1116.171	1085.584	1054.829	1025.005	992.624	961.520	930.496	900.409	868.633	837.873
42.5	1102.374	1070.936	1039.090	1006.850	974.880	942.911	912.501	879.077	847.182	815.053
45.0	1087.795	1055.937	1023.470	990.967	958.109	924.775	891.174	858.331	825.180	792.004
47.5	1072.066	1038.478	1004.957	971.605	938.092	904.690	871.075	837.058	803.003	769.584
50.0	1055.526	1021.224	987.362	953.376	919.385	885.164	850.442	815.662	781.319	747.757
52.5	1033.621	1002.122	969.442	935.024	900.350	865.084	829.818	795.468	761.471	727.816
55.0	1010.358	978.535	948.553	915.374	880.740	845.052	810.504	773.950	739.371	704.723
57.5	986.500	954.373	923.975	890.055	857.957	825.724	788.919	753.505	718.125	682.705
60.0	962.105	929.825	897.140	864.576	831.658	799.510	767.861	732.759	697.336	660.312
62.5	937.366	904.554	871.647	838.259	807.296	773.264	741.308	711.303	674.940	638.231
65.0	912.047	879.936	845.229	812.363	779.292	746.769	714.454	681.989	650.007	617.478
67.5	886.256	852.364	818.969	785.760	752.774	721.764	687.098	654.648	622.219	590.603
70.0	860.444	825.914	793.742	759.139	727.062	692.799	660.067	627.156	595.013	564.846
72.5	832.783	799.225	765.677	732.401	698.904	665.844	632.713	600.175	568.250	536.483
75.0	805.744	772.195	738.746	705.222	672.038	638.714	605.905	573.640	541.509	509.922
77.5	773.396	745.056	711.562	678.382	644.979	612.019	579.523	547.145	515.129	483.210
80.0	739.498	712.009	684.691	651.328	618.334	585.723	553.206	520.868	488.640	456.530
82.5	705.263	678.327	651.331	624.746	592.060	559.512	526.969	494.541	462.049	429.703
85.0	671.131	644.250	617.803	591.782	565.913	533.258	500.738	467.987	435.347	403.803
87.5	636.689	610.407	584.497	558.675	532.820	507.062	474.165	441.334	409.557	377.777
90.0	602.481	576.803	551.129	525.426	499.742	473.660	447.495	415.589	383.879	351.092
92.5	568.543	543.145	517.692	492.197	466.294	440.412	415.150	389.975	356.959	326.231
95.0	535.675	509.458	484.610	458.653	433.335	408.081	383.017	356.561	332.015	299.437
97.5	500.570	477.337	450.576	426.272	400.804	376.073	349.789	325.329	299.106	275.284
100.0	466.670	441.910	417.536	393.165	369.147	342.869	318.663	292.816	268.888	242.180
102.5	433.036	408.907	385.011	360.450	335.646	312.023	286.440	262.518	236.397	211.926
105.0	399.527	376.462	352.197	327.964	305.414	279.829	256.178	230.575	205.800	179.418
107.5	365.610	343.249	319.678	296.401	272.835	249.874	224.557	199.710	174.151	147.738
110.0	327.190	309.818	288.270	265.321	243.610	218.199	193.733	168.745	142.769	116.138
112.5	289.507	273.221	256.672	234.574	211.368	187.654	163.040	137.596	111.403	83.979
115.0	253.156	236.980	220.114	202.361	181.698	156.882	132.059	107.670	79.513	51.573

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CANDELA TABULATION - (Cont.)

117.5	217.220	201.324	185.512	166.568	147.833	126.009	101.952	74.712	47.310	21.477
120.0	181.732	165.788	148.837	130.860	111.852	93.223	69.408	42.642	17.723	4.634
122.5	146.902	130.789	113.861	96.386	76.782	58.749	37.040	13.574	2.738	0.344
125.0	110.968	94.748	77.548	61.258	47.277	30.442	11.667	1.635	0.000	0.000
127.5	76.589	59.253	45.564	35.739	23.469	9.225	1.356	0.000	0.000	0.000
130.0	40.179	30.377	24.548	17.060	6.768	1.060	0.000	0.000	0.000	0.000
132.5	16.305	14.204	9.953	4.017	0.663	0.000	0.000	0.000	0.000	0.000
135.0	5.243	4.554	1.830	0.323	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.316	0.407	0.077	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>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	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1125.689	1125.363	1120.607	1118.120	1115.672	1113.321	1110.869	1108.524	1106.236	1104.010
5.0	1112.437	1105.527	1100.514	1095.632	1090.837	1088.331	1081.503	1076.984	1072.458	1068.036
7.5	1093.326	1087.670	1078.740	1071.453	1064.178	1057.138	1051.316	1043.309	1038.759	1030.330
10.0	1075.391	1064.390	1054.754	1045.151	1035.727	1026.819	1017.451	1008.534	1001.910	991.282
12.5	1053.054	1040.974	1029.291	1017.487	1006.007	994.625	983.515	972.698	962.095	952.900
15.0	1030.316	1016.107	1003.131	990.870	975.083	961.836	948.600	935.615	923.133	910.737
17.5	1006.313	991.628	974.214	958.575	942.976	927.669	912.580	897.605	883.054	868.847
20.0	987.094	968.119	948.832	930.295	911.435	892.818	875.585	858.676	844.268	826.115
22.5	966.524	945.816	924.670	903.835	883.235	862.487	842.054	821.951	801.711	783.269
25.0	945.025	922.209	899.532	878.257	854.214	831.852	810.295	787.367	766.779	743.464
27.5	922.713	898.216	873.754	850.985	825.107	800.866	776.687	753.726	729.151	705.468
30.0	901.228	875.999	847.690	824.046	797.157	769.902	744.219	718.413	692.976	668.388
32.5	876.835	850.571	821.606	794.158	766.725	739.119	711.713	684.880	658.728	632.218
35.0	853.284	825.849	795.646	766.706	737.585	708.962	680.708	652.928	625.517	598.142
37.5	830.207	800.099	769.727	739.365	711.096	680.404	651.616	622.914	594.215	565.407
40.0	806.923	775.609	744.518	713.911	683.789	654.012	625.100	594.073	563.644	533.372
42.5	782.880	751.479	721.997	690.393	660.525	628.918	597.356	565.645	535.764	502.900
45.0	761.466	727.836	697.282	668.079	636.672	604.245	570.794	538.216	506.341	474.402
47.5	736.900	707.096	673.950	642.310	612.193	579.083	547.246	512.191	479.629	447.838
50.0	715.107	682.450	649.600	617.416	584.077	551.898	520.398	487.617	454.604	423.798
52.5	693.614	658.854	624.827	591.211	558.041	526.338	493.875	463.082	430.736	399.162
55.0	669.999	635.080	600.403	566.253	533.294	500.161	468.308	438.305	406.469	375.502
57.5	646.982	611.497	576.388	542.157	508.555	475.666	443.379	411.703	380.685	351.630
60.0	624.160	588.241	553.181	518.672	484.917	451.525	419.964	386.829	355.368	326.101
62.5	601.567	565.851	531.296	497.165	462.816	428.676	394.736	362.331	330.377	300.326

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CANDELA TABULATION - (Cont.)

65.0	579.745	543.734	508.260	473.260	438.691	404.678	371.088	338.423	307.390	276.725
67.5	558.323	523.341	486.347	450.942	416.053	381.340	348.186	315.925	284.191	253.508
70.0	532.251	500.725	464.554	430.370	393.265	359.427	325.967	293.216	261.543	230.955
72.5	505.722	474.443	443.057	406.717	372.493	337.322	303.616	270.990	239.206	208.345
75.0	478.422	447.439	416.451	385.603	349.996	315.363	282.700	248.855	216.871	185.519
77.5	453.307	420.102	389.819	359.476	328.237	293.778	259.898	227.321	195.576	163.736
80.0	424.569	393.775	362.847	332.410	303.125	272.146	237.921	204.513	171.868	139.680
82.5	398.490	367.076	336.052	306.031	276.487	247.237	215.844	181.771	148.136	114.905
85.0	372.009	340.487	309.831	279.679	249.860	220.373	191.069	158.811	124.273	89.783
87.5	345.549	314.558	283.724	253.425	223.299	193.363	164.046	133.734	99.729	66.111
90.0	320.394	288.476	258.489	227.121	196.638	166.207	135.564	105.623	73.136	40.525
92.5	293.768	264.145	231.682	202.044	169.812	139.003	106.958	74.766	43.817	13.987
95.0	269.797	236.838	205.584	174.251	142.476	110.410	78.674	44.546	15.676	2.088
97.5	242.436	210.964	179.363	147.239	114.826	81.607	48.029	19.269	2.984	0.099
100.0	216.368	184.978	152.631	120.021	86.515	52.582	21.525	3.863	0.173	0.000
102.5	184.713	157.801	125.810	92.160	58.024	25.467	4.972	0.183	0.000	0.000
105.0	153.603	125.522	98.733	64.163	30.153	6.496	0.251	0.000	0.000	0.000
107.5	120.785	92.868	63.777	34.929	8.550	0.440	0.000	0.000	0.000	0.000
110.0	88.288	59.620	31.090	8.938	0.550	0.000	0.000	0.000	0.000	0.000
112.5	57.123	28.108	8.982	0.753	0.000	0.000	0.000	0.000	0.000	0.000
115.0	24.954	7.461	0.858	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	6.312	0.868	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.677	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	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1101.847	1101.111	1097.783	1095.867	1094.030	1092.274	1090.602	1089.084	1089.106	1086.083
5.0	1063.866	1059.625	1055.646	1051.814	1048.035	1044.409	1040.952	1038.716	1034.751	1031.966
7.5	1024.087	1017.877	1013.887	1006.182	1001.217	995.361	990.287	985.513	981.028	976.805
10.0	983.069	976.770	967.390	959.941	952.790	945.765	939.016	932.632	926.578	920.928

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CANDELA TABULATION - (Cont.)

12.5	941.321	931.428	921.905	914.222	903.498	894.731	887.219	878.371	873.387	863.603
15.0	898.485	886.660	877.029	864.107	853.156	842.745	832.698	822.902	813.745	807.333
17.5	854.652	841.109	827.572	814.750	802.036	789.763	778.023	766.782	755.991	745.676
20.0	810.272	794.687	779.662	764.853	750.436	736.867	723.507	710.993	698.988	689.571
22.5	765.416	748.202	731.339	715.361	699.535	684.606	669.829	655.451	641.899	629.154
25.0	722.350	701.844	683.394	665.650	649.887	631.881	615.811	600.362	585.546	571.364
27.5	682.203	659.271	636.979	616.846	598.317	580.486	563.110	545.988	529.592	513.766
30.0	643.386	619.204	595.532	573.849	549.440	530.143	511.976	492.941	475.022	457.762
32.5	606.482	582.806	555.582	530.583	505.960	483.312	461.519	441.930	422.842	404.514
35.0	570.990	546.052	517.105	490.603	464.761	439.437	414.937	396.453	374.696	355.651
37.5	536.600	508.091	480.004	452.786	426.278	400.538	375.969	352.452	332.107	313.690
40.0	503.429	474.188	446.601	418.073	391.339	367.183	340.765	317.308	292.373	270.221
42.5	472.376	442.854	414.143	387.308	359.023	332.036	306.701	279.375	254.890	230.788
45.0	443.714	413.935	384.478	355.397	328.230	298.881	271.612	246.544	220.136	196.654
47.5	416.543	385.666	355.219	325.442	296.229	268.172	241.038	214.866	191.252	165.573
50.0	390.113	358.523	327.519	297.529	268.379	240.215	213.075	188.178	162.177	138.856
52.5	364.875	332.964	301.795	272.385	243.273	214.639	187.659	162.512	138.285	115.214
55.0	340.966	308.652	278.678	246.842	218.366	191.099	164.834	141.063	116.237	93.676
57.5	317.684	285.480	254.194	224.717	196.184	169.064	143.220	118.723	95.159	73.429
60.0	294.830	263.562	232.545	202.963	175.500	147.983	122.170	97.466	73.957	50.993
62.5	270.864	241.976	211.120	182.995	153.695	126.614	100.701	75.716	53.310	35.411
65.0	247.163	218.683	190.082	160.464	132.182	104.782	80.809	60.477	43.507	29.074
67.5	224.046	195.295	168.818	138.667	110.851	85.692	64.542	46.425	31.496	19.511
70.0	201.114	172.061	143.685	115.944	89.201	65.670	45.726	29.815	16.002	7.345
72.5	178.428	148.497	119.554	92.009	63.848	41.587	22.441	9.156	2.315	0.230
75.0	155.380	124.493	94.583	64.919	35.569	13.792	3.203	0.124	0.000	0.000
77.5	131.858	99.758	68.658	38.416	14.476	0.507	0.000	0.000	0.000	0.000
80.0	107.305	74.425	43.822	21.583	8.707	1.834	0.000	0.000	0.000	0.000
82.5	81.884	51.272	28.483	13.667	4.392	0.643	0.008	0.000	0.000	0.000
85.0	58.816	34.415	15.711	4.284	0.588	0.000	0.000	0.000	0.000	0.000
87.5	37.721	15.670	3.350	0.107	0.000	0.000	0.000	0.000	0.000	0.000
90.0	14.796	2.517	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	1.928	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. Angles	Horizontal Angles									
	150.0	152.5	155.0	157.5	160.0	162.5	165.0	167.5	170.0	172.5
0.0	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1084.758	1083.532	1082.405	1081.380	1080.461	1079.646	1078.939	1078.342	1077.855	1077.478
5.0	1029.365	1026.953	1026.378	1022.528	1020.614	1018.913	1017.427	1016.161	1015.115	1014.293
7.5	972.818	969.094	965.654	962.504	962.149	957.162	954.947	953.044	951.455	950.182
10.0	915.657	911.350	905.972	901.618	897.659	894.112	890.974	888.252	885.952	884.080
12.5	859.379	850.349	844.921	838.897	833.894	829.845	825.216	821.593	818.497	815.937
15.0	796.690	788.816	781.397	776.589	768.334	762.676	760.010	753.147	749.293	746.055
17.5	736.041	727.109	718.602	710.671	703.513	697.012	691.980	685.814	681.190	677.262
20.0	676.504	666.182	658.101	647.541	641.277	631.618	624.720	618.587	613.200	608.571
22.5	616.968	607.809	594.552	584.298	574.708	565.945	557.938	550.631	544.093	538.405
25.0	558.646	544.649	532.102	520.277	509.309	499.059	489.576	482.876	473.150	466.281
27.5	498.499	483.911	469.988	456.771	444.258	435.041	421.896	413.010	402.915	394.762
30.0	441.112	425.056	410.602	395.410	381.716	369.532	356.785	345.666	335.302	325.935
32.5	386.766	369.764	353.250	337.621	322.727	308.534	295.124	282.516	270.782	259.961
35.0	337.041	318.928	301.395	284.388	269.649	252.186	237.142	222.909	209.504	197.004
37.5	292.007	272.214	252.893	234.129	216.198	198.917	182.516	167.035	152.535	139.002
40.0	248.373	228.039	208.053	187.664	168.757	150.994	134.150	118.300	103.328	89.262
42.5	208.429	187.189	166.809	147.331	128.942	111.538	96.061	79.644	66.199	51.466
45.0	173.903	152.920	133.147	114.660	97.540	81.813	67.564	54.121	42.194	30.844
47.5	143.290	123.731	106.138	90.655	76.722	64.143	52.773	42.464	33.165	24.151
50.0	116.521	99.309	85.172	70.936	59.257	49.393	39.818	31.666	24.443	17.679
52.5	93.368	75.823	62.924	52.107	42.544	33.868	26.680	20.626	15.487	10.968
55.0	72.361	52.150	41.040	31.713	23.930	17.583	12.575	8.689	5.763	3.650
57.5	51.010	31.072	17.376	9.934	4.898	1.938	0.649	0.165	0.013	0.000
60.0	29.638	11.308	0.389	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	21.636	10.205	0.865	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	17.680	8.805	2.257	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	10.550	4.474	1.160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	2.097	0.429	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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

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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	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1077.214	1077.062	1077.023	1077.062	1077.214	1077.478	1077.855	1078.342	1078.939	1079.646
5.0	1013.696	1013.327	1013.186	1013.327	1013.696	1014.293	1015.115	1016.161	1017.427	1018.913
7.5	949.230	948.600	948.295	948.600	949.230	950.182	951.455	953.044	954.947	957.162
10.0	882.641	881.641	881.086	881.641	882.641	884.080	885.952	888.252	890.974	894.112
12.5	813.923	812.461	811.559	812.461	813.923	815.937	818.497	821.593	825.216	829.845
15.0	743.445	741.469	740.138	741.469	743.445	746.055	749.293	753.147	760.010	762.676
17.5	674.042	671.541	669.769	671.541	674.042	677.262	681.190	685.814	691.980	697.012
20.0	604.717	601.655	599.400	601.655	604.717	608.571	613.200	618.587	624.720	631.618
22.5	533.595	529.689	526.713	529.689	533.595	538.405	544.093	550.631	557.938	565.945
25.0	460.359	455.420	451.498	455.420	460.359	466.281	473.150	482.876	489.576	499.059
27.5	387.612	381.508	376.495	381.508	387.613	394.762	402.915	413.010	421.896	435.041
30.0	317.561	310.236	304.018	310.236	317.561	325.935	335.302	345.666	356.785	369.532
32.5	250.121	241.329	233.650	241.329	250.121	259.961	270.782	282.516	295.124	308.533
35.0	185.494	175.044	165.725	175.044	185.494	197.004	209.503	222.909	237.142	252.186
37.5	126.408	114.807	104.247	114.807	126.408	139.002	152.535	167.035	182.515	198.917
40.0	76.051	63.720	52.292	63.720	76.051	89.262	103.328	118.300	134.150	150.994
42.5	38.564	26.356	14.811	26.356	38.564	51.466	66.199	79.644	96.061	111.538
45.0	20.279	10.051	0.000	10.051	20.279	30.844	42.193	54.121	67.564	81.813

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CANDELA TABULATION - (Cont.)

47.5	15.823	7.828	0.000	7.828	15.823	24.151	33.165	42.464	52.773	64.143
50.0	11.511	5.673	0.000	5.673	11.511	17.679	24.443	31.666	39.818	49.393
52.5	7.014	3.417	0.000	3.417	7.014	10.968	15.487	20.626	26.680	33.868
55.0	2.111	0.959	0.000	0.959	2.111	3.650	5.763	8.689	12.575	17.583
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.165	0.649	1.938
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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
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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	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1080.461	1081.380	1082.405	1083.532	1084.758	1086.083	1089.106	1089.084	1090.602	1092.274
5.0	1020.614	1022.528	1026.378	1026.953	1029.365	1031.966	1034.751	1038.716	1040.952	1044.409
7.5	962.149	962.504	965.654	969.094	972.818	976.805	981.028	985.513	990.287	995.361
10.0	897.659	901.618	905.972	911.350	915.657	920.928	926.578	932.632	939.016	945.765
12.5	833.894	838.897	844.921	850.349	859.379	863.603	873.387	878.371	887.219	894.731
15.0	768.334	776.589	781.397	788.816	796.690	807.333	813.745	822.902	832.698	842.745
17.5	703.513	710.671	718.602	727.109	736.041	745.676	755.991	766.782	778.023	789.763
20.0	641.277	647.541	658.101	666.182	676.504	689.571	698.988	710.993	723.507	736.867
22.5	574.708	584.298	594.552	607.809	616.968	629.154	641.899	655.451	669.829	684.606
25.0	509.309	520.277	532.102	544.649	558.646	571.364	585.546	600.362	615.811	631.881
27.5	444.258	456.771	469.988	483.911	498.499	513.766	529.592	545.988	563.110	580.486
30.0	381.716	395.410	410.602	425.056	441.112	457.761	475.022	492.941	511.976	530.143
32.5	322.727	337.621	353.250	369.764	386.766	404.513	422.842	441.930	461.519	483.312
35.0	269.649	284.388	301.395	318.928	337.041	355.650	374.696	396.453	414.937	439.437
37.5	216.198	234.129	252.893	272.214	292.007	313.690	332.107	352.452	375.969	400.538
40.0	168.757	187.664	208.053	228.039	248.373	270.221	292.373	317.308	340.765	367.183
42.5	128.942	147.331	166.809	187.189	208.429	230.788	254.890	279.375	306.701	332.035
45.0	97.540	114.660	133.147	152.920	173.903	196.654	220.136	246.544	271.612	298.881
47.5	76.722	90.654	106.138	123.731	143.290	165.573	191.252	214.866	241.038	268.172
50.0	59.257	70.936	85.172	99.309	116.521	138.856	162.177	188.178	213.075	240.215
52.5	42.544	52.107	62.924	75.823	93.368	115.214	138.285	162.512	187.659	214.639
55.0	23.930	31.713	41.040	52.150	72.361	93.676	116.237	141.063	164.834	191.099
57.5	4.898	9.934	17.376	31.072	51.010	73.429	95.159	118.723	143.220	169.064
60.0	0.000	0.000	0.389	11.308	29.638	50.993	73.956	97.466	122.170	147.983
62.5	0.000	0.000	0.865	10.205	21.635	35.411	53.310	75.716	100.701	126.614
65.0	0.000	0.000	2.256	8.805	17.680	29.074	43.507	60.477	80.809	104.782
67.5	0.000	0.000	1.160	4.474	10.550	19.511	31.496	46.425	64.542	85.692
70.0	0.000	0.000	0.015	0.429	2.097	7.345	16.002	29.815	45.726	65.670
72.5	0.000	0.000	0.000	0.000	0.000	0.230	2.315	9.156	22.441	41.587
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.124	3.203	13.792
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.507
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.834
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.643
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

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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.
Angles**

Horizontal Angles

	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1094.030	1095.867	1097.783	1101.111	1101.847	1104.010	1106.236	1108.524	1110.869	1113.321
5.0	1048.035	1051.814	1055.646	1059.625	1063.866	1068.036	1072.458	1076.984	1081.503	1088.331
7.5	1001.217	1006.182	1013.887	1017.877	1024.087	1030.330	1038.759	1043.309	1051.316	1057.138
10.0	952.790	959.941	967.390	976.770	983.069	991.282	1001.910	1008.534	1017.451	1026.819
12.5	903.498	914.222	921.905	931.428	941.321	952.900	962.095	972.698	983.515	994.625
15.0	853.156	864.107	877.029	886.660	898.485	910.737	923.133	935.615	948.600	961.836
17.5	802.036	814.750	827.572	841.109	854.653	868.847	883.054	897.605	912.580	927.669
20.0	750.436	764.853	779.662	794.687	810.272	826.115	844.268	858.676	875.585	892.818
22.5	699.535	715.361	731.339	748.202	765.417	783.269	801.711	821.951	842.054	862.487
25.0	649.887	665.650	683.394	701.844	722.350	743.464	766.779	787.367	810.295	831.852
27.5	598.317	616.846	636.979	659.271	682.204	705.468	729.151	753.726	776.687	800.865
30.0	549.440	573.849	595.533	619.204	643.386	668.388	692.977	718.413	744.219	769.902
32.5	505.960	530.583	555.582	582.806	606.482	632.218	658.728	684.880	711.714	739.119
35.0	464.761	490.603	517.105	546.052	570.990	598.142	625.517	652.928	680.708	708.961
37.5	426.278	452.786	480.004	508.091	536.600	565.407	594.215	622.914	651.616	680.404
40.0	391.339	418.073	446.601	474.188	503.429	533.372	563.644	594.073	625.100	654.012
42.5	359.023	387.308	414.143	442.854	472.376	502.900	535.764	565.645	597.356	628.918
45.0	328.230	355.397	384.478	413.935	443.714	474.402	506.341	538.216	570.794	604.245
47.5	296.229	325.442	355.219	385.666	416.543	447.838	479.629	512.191	547.246	579.083
50.0	268.379	297.529	327.519	358.522	390.113	423.798	454.604	487.617	520.398	551.898
52.5	243.273	272.385	301.795	332.964	364.875	399.161	430.737	463.082	493.876	526.338
55.0	218.366	246.842	278.678	308.652	340.966	375.502	406.469	438.305	468.308	500.161
57.5	196.184	224.717	254.195	285.480	317.684	351.630	380.685	411.703	443.379	475.666
60.0	175.500	202.963	232.545	263.562	294.830	326.101	355.368	386.829	419.964	451.525
62.5	153.695	182.995	211.120	241.976	270.864	300.326	330.377	362.330	394.737	428.676
65.0	132.182	160.463	190.082	218.683	247.163	276.725	307.390	338.423	371.088	404.678
67.5	110.851	138.667	168.818	195.295	224.046	253.508	284.191	315.925	348.186	381.340
70.0	89.201	115.944	143.685	172.061	201.114	230.955	261.543	293.216	325.967	359.427
72.5	63.848	92.009	119.554	148.497	178.428	208.345	239.206	270.990	303.616	337.322
75.0	35.569	64.919	94.583	124.493	155.380	185.519	216.871	248.855	282.700	315.363
77.5	14.476	38.416	68.658	99.758	131.858	163.736	195.576	227.321	259.898	293.777

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CANDELA TABULATION - (Cont.)

80.0	8.707	21.583	43.822	74.425	107.305	139.680	171.868	204.513	237.921	272.145
82.5	4.392	13.667	28.483	51.272	81.884	114.905	148.136	181.771	215.844	247.237
85.0	0.588	4.284	15.711	34.415	58.816	89.783	124.273	158.811	191.069	220.373
87.5	0.000	0.107	3.350	15.670	37.721	66.111	99.729	133.734	164.046	193.363
90.0	0.000	0.000	0.000	2.517	14.796	40.525	73.136	105.623	135.564	166.207
92.5	0.000	0.000	0.000	0.000	1.928	13.987	43.817	74.766	106.958	139.003
95.0	0.000	0.000	0.000	0.000	0.000	2.088	15.676	44.546	78.674	110.410
97.5	0.000	0.000	0.000	0.000	0.000	0.099	2.984	19.269	48.029	81.607
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.173	3.863	21.526	52.582
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.183	4.973	25.467
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.251	6.496
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.440
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	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1115.672	1118.120	1120.607	1125.363	1125.689	1128.336	1131.005	1133.690	1137.740	1139.061
5.0	1090.837	1095.632	1100.514	1105.527	1112.437	1115.689	1120.787	1125.954	1131.220	1136.515
7.5	1064.178	1071.453	1078.740	1087.670	1093.326	1100.803	1108.422	1116.031	1123.645	1131.381
10.0	1035.727	1045.151	1054.754	1064.390	1075.391	1084.003	1093.818	1103.815	1113.876	1123.892
12.5	1006.007	1017.487	1029.292	1040.974	1053.054	1065.133	1077.478	1089.464	1101.796	1114.190
15.0	975.083	990.870	1003.131	1016.107	1030.316	1044.434	1058.761	1074.526	1087.612	1102.222
17.5	942.976	958.575	974.214	991.628	1006.313	1023.304	1040.734	1057.552	1077.182	1091.778
20.0	911.435	930.295	948.832	968.119	987.094	1006.053	1025.056	1044.307	1063.494	1083.909
22.5	883.235	903.835	924.670	945.816	966.524	987.577	1008.466	1031.697	1050.654	1071.713
25.0	854.214	878.257	899.532	922.209	945.025	967.697	992.145	1013.468	1036.322	1059.212

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CANDELA TABULATION - (Cont.)

27.5	825.107	850.985	873.754	898.216	922.713	947.195	971.757	996.353	1020.759	1047.392
30.0	797.157	824.046	847.690	875.999	901.228	926.209	952.011	978.147	1004.168	1030.084
32.5	766.725	794.158	821.606	850.571	876.835	904.057	931.613	960.508	986.631	1013.931
35.0	737.585	766.706	795.646	825.849	853.284	882.193	911.851	939.519	968.272	997.077
37.5	711.096	739.365	769.727	800.099	830.207	859.992	889.895	919.676	949.611	981.033
40.0	683.789	713.911	744.518	775.608	806.923	837.873	868.633	900.409	930.496	961.520
42.5	660.525	690.393	721.997	751.479	782.880	815.053	847.182	879.077	912.501	942.911
45.0	636.672	668.079	697.282	727.836	761.466	792.004	825.180	858.331	891.174	924.775
47.5	612.193	642.310	673.950	707.096	736.900	769.584	803.004	837.058	871.075	904.689
50.0	584.077	617.416	649.600	682.450	715.107	747.757	781.319	815.662	850.442	885.163
52.5	558.041	591.210	624.827	658.853	693.614	727.816	761.471	795.468	829.818	865.084
55.0	533.294	566.253	600.403	635.080	669.999	704.722	739.371	773.950	810.504	845.052
57.5	508.555	542.157	576.388	611.497	646.982	682.704	718.125	753.504	788.919	825.724
60.0	484.917	518.672	553.181	588.241	624.160	660.312	697.335	732.759	767.861	799.510
62.5	462.816	497.165	531.296	565.851	601.567	638.231	674.940	711.303	741.308	773.264
65.0	438.691	473.259	508.260	543.734	579.745	617.478	650.007	681.989	714.454	746.769
67.5	416.053	450.941	486.347	523.341	558.323	590.602	622.220	654.648	687.098	721.764
70.0	393.265	430.370	464.554	500.725	532.251	564.846	595.013	627.156	660.067	692.799
72.5	372.493	406.717	443.057	474.443	505.722	536.483	568.250	600.175	632.713	665.844
75.0	349.996	385.603	416.451	447.439	478.422	509.922	541.509	573.639	605.905	638.713
77.5	328.237	359.476	389.819	420.102	453.307	483.210	515.129	547.144	579.523	612.019
80.0	303.125	332.410	362.847	393.775	424.569	456.530	488.640	520.868	553.206	585.723
82.5	276.488	306.031	336.052	367.076	398.490	429.703	462.049	494.540	526.969	559.512
85.0	249.860	279.679	309.831	340.487	372.009	403.803	435.347	467.987	500.738	533.258
87.5	223.299	253.425	283.724	314.558	345.549	377.777	409.557	441.334	474.165	507.062
90.0	196.638	227.121	258.489	288.476	320.394	351.092	383.879	415.589	447.495	473.660
92.5	169.812	202.044	231.682	264.145	293.769	326.231	356.959	389.975	415.149	440.412
95.0	142.475	174.251	205.584	236.838	269.797	299.437	332.014	356.561	383.017	408.081
97.5	114.826	147.239	179.363	210.964	242.436	275.284	299.106	325.329	349.789	376.073
100.0	86.515	120.021	152.631	184.978	216.368	242.180	268.888	292.815	318.663	342.869
102.5	58.024	92.160	125.810	157.801	184.713	211.926	236.397	262.518	286.440	312.023
105.0	30.153	64.163	98.733	125.522	153.603	179.418	205.800	230.575	256.178	279.829
107.5	8.550	34.929	63.777	92.868	120.785	147.737	174.151	199.710	224.557	249.874
110.0	0.550	8.938	31.089	59.620	88.288	116.138	142.769	168.745	193.733	218.199
112.5	0.000	0.753	8.982	28.108	57.123	83.979	111.403	137.596	163.040	187.654
115.0	0.000	0.000	0.858	7.461	24.954	51.572	79.513	107.670	132.060	156.882
117.5	0.000	0.000	0.000	0.868	6.312	21.477	47.310	74.712	101.952	126.009
120.0	0.000	0.000	0.000	0.000	0.677	4.634	17.723	42.642	69.408	93.223
122.5	0.000	0.000	0.000	0.000	0.000	0.344	2.738	13.574	37.040	58.749
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.635	11.667	30.442
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.356	9.225
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.060
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

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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	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1141.705	1144.346	1146.980	1149.880	1152.003	1154.362	1156.697	1161.014	1161.294	1163.731
5.0	1141.744	1148.535	1151.895	1156.660	1161.571	1166.707	1171.793	1176.669	1183.222	1186.195
7.5	1139.142	1147.200	1154.035	1161.392	1169.929	1176.456	1183.744	1192.687	1197.979	1204.873
10.0	1134.059	1145.865	1153.693	1163.592	1173.456	1183.093	1192.679	1201.954	1212.477	1220.340
12.5	1126.491	1138.936	1150.935	1163.070	1175.031	1188.686	1199.324	1209.995	1221.383	1232.265
15.0	1116.819	1131.595	1145.844	1159.918	1175.723	1188.068	1201.515	1215.088	1228.225	1241.222
17.5	1108.981	1125.948	1142.873	1159.157	1175.541	1191.634	1206.995	1222.417	1237.100	1251.724
20.0	1101.692	1120.887	1140.701	1158.334	1176.705	1194.920	1212.067	1229.376	1245.958	1264.016
22.5	1092.874	1113.572	1135.700	1155.210	1175.441	1195.324	1214.688	1233.868	1252.183	1270.240
25.0	1081.971	1104.761	1127.369	1149.658	1173.900	1194.682	1215.095	1235.955	1255.903	1275.603
27.5	1070.421	1094.049	1118.332	1142.596	1166.385	1189.933	1212.999	1235.511	1258.644	1278.454
30.0	1056.051	1082.073	1107.773	1133.235	1158.792	1185.230	1208.648	1232.778	1256.468	1278.907
32.5	1041.200	1068.499	1096.406	1122.917	1150.025	1176.534	1202.938	1228.752	1254.066	1277.979
35.0	1027.373	1054.545	1083.177	1111.703	1139.873	1168.041	1195.710	1222.801	1249.477	1275.126
37.5	1009.743	1039.673	1070.127	1099.278	1128.591	1157.546	1186.473	1215.001	1243.338	1271.229
40.0	992.624	1025.005	1054.829	1085.584	1116.171	1146.154	1176.057	1205.469	1234.444	1263.020
42.5	974.880	1006.850	1039.090	1070.936	1102.374	1133.594	1163.942	1194.480	1224.369	1253.936
45.0	958.109	990.967	1023.470	1055.937	1087.795	1119.806	1151.217	1181.945	1212.839	1243.727
47.5	938.092	971.606	1004.957	1038.478	1072.066	1105.042	1137.319	1168.361	1198.141	1228.926
50.0	919.385	953.376	987.362	1021.225	1055.526	1087.905	1118.739	1150.603	1179.563	1210.080
52.5	900.350	935.024	969.442	1002.122	1033.621	1065.785	1097.739	1128.850	1159.975	1190.540
55.0	880.740	915.374	948.553	978.535	1010.358	1043.763	1075.118	1107.193	1138.949	1170.160
57.5	857.957	890.055	923.975	954.373	986.500	1018.777	1051.508	1084.902	1116.586	1149.191
60.0	831.658	864.576	897.140	929.825	962.105	994.580	1027.210	1060.281	1092.969	1125.462
62.5	807.296	838.259	871.647	904.554	937.366	969.927	1002.630	1035.454	1068.651	1101.195
65.0	779.292	812.363	845.229	879.936	912.047	945.842	977.539	1011.025	1043.279	1076.421
67.5	752.774	785.760	818.969	852.365	886.256	919.368	952.137	984.711	1016.599	1047.129
70.0	727.062	759.140	793.742	825.914	860.444	893.365	926.723	956.794	984.615	1013.171
72.5	698.904	732.401	765.677	799.225	832.783	866.302	896.690	924.412	952.312	980.240
75.0	672.038	705.222	738.746	772.196	805.744	834.994	862.972	891.391	919.082	946.907
77.5	644.979	678.382	711.562	745.056	773.396	801.165	830.944	857.083	886.844	912.793
80.0	618.334	651.329	684.691	712.009	739.498	768.861	794.785	824.287	850.332	878.107
82.5	592.060	624.746	651.331	678.327	705.263	732.684	760.192	787.636	815.201	842.529
85.0	565.913	591.782	617.802	644.250	671.131	697.950	725.167	752.429	779.515	806.613
87.5	532.820	558.676	584.497	610.407	636.689	663.319	689.895	716.776	743.665	771.679
90.0	499.742	525.426	551.129	576.803	602.481	628.477	654.796	680.922	707.354	733.740
92.5	466.294	492.197	517.692	543.145	568.543	594.505	619.448	645.140	670.864	696.726
95.0	433.335	458.653	484.610	509.458	535.675	559.561	584.488	609.440	634.460	655.925
97.5	400.804	426.272	450.576	477.337	500.570	525.202	550.030	574.162	595.405	613.448
100.0	369.147	393.165	417.536	441.910	466.670	491.406	514.991	536.525	554.108	571.881
102.5	335.646	360.450	385.011	408.907	433.036	456.728	478.611	495.860	513.050	529.281
105.0	305.414	327.964	352.197	376.462	399.527	421.113	438.608	455.283	471.534	487.449
107.5	272.835	296.401	319.678	343.249	365.610	383.514	398.432	415.008	430.722	446.163
110.0	243.610	265.321	288.270	309.818	327.190	343.848	359.884	375.029	390.234	405.189
112.5	211.368	234.575	256.672	273.221	289.507	305.657	321.332	336.342	350.598	364.377

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CANDELA TABULATION - (Cont.)

115.0	181.698	202.361	220.114	236.980	253.156	269.855	284.468	299.107	311.860	325.119
117.5	147.833	166.568	185.512	201.324	217.220	232.308	246.518	260.361	273.895	286.347
120.0	111.852	130.860	148.837	165.788	181.732	196.700	210.740	223.978	236.420	249.423
122.5	76.782	96.386	113.861	130.789	146.902	162.449	175.374	188.434	200.606	211.887
125.0	47.277	61.258	77.548	94.748	110.968	126.007	140.175	154.626	165.302	176.347
127.5	23.469	35.739	45.564	59.253	76.589	90.667	104.867	118.136	130.253	141.248
130.0	6.768	17.060	24.548	30.377	40.179	55.121	69.414	82.812	95.570	105.951
132.5	0.663	4.017	9.953	14.204	16.305	21.063	33.689	47.059	61.493	73.140
135.0	0.000	0.323	1.830	4.554	5.243	3.590	4.377	17.210	31.979	44.030
137.5	0.000	0.000	0.077	0.407	0.316	0.000	0.008	1.399	7.681	18.752
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.163	2.183
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>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	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1166.122	1168.463	1170.747	1173.303	1175.088	1177.131	1179.103	1181.000	1182.819	1185.452
5.0	1190.800	1195.311	1199.670	1203.930	1208.081	1212.115	1217.901	1219.781	1223.376	1226.820
7.5	1211.679	1218.375	1226.316	1231.209	1237.334	1243.272	1249.079	1254.646	1260.021	1265.194
10.0	1229.174	1237.815	1246.379	1255.711	1262.862	1270.855	1278.651	1285.995	1293.234	1300.258
12.5	1243.212	1253.969	1264.442	1274.901	1284.803	1294.588	1304.153	1314.667	1322.417	1331.161
15.0	1254.034	1266.786	1279.071	1290.934	1302.878	1314.522	1325.883	1336.663	1349.377	1359.524
17.5	1265.972	1279.673	1292.940	1306.180	1318.705	1330.733	1343.710	1356.263	1368.647	1381.428
20.0	1278.343	1293.592	1309.978	1323.381	1337.428	1351.329	1364.534	1378.637	1389.749	1403.042
22.5	1287.838	1304.988	1322.265	1337.485	1353.111	1368.090	1382.766	1396.795	1410.106	1422.862
25.0	1294.704	1313.319	1331.220	1348.521	1366.865	1382.642	1397.988	1412.935	1427.679	1440.501
27.5	1299.055	1318.992	1338.301	1356.611	1374.380	1392.255	1408.194	1424.140	1439.614	1456.189
30.0	1300.958	1322.237	1342.667	1362.048	1380.568	1398.650	1416.003	1432.936	1449.556	1465.591
32.5	1301.534	1324.234	1345.793	1366.312	1385.942	1405.043	1423.492	1441.404	1459.109	1475.290
35.0	1300.867	1323.962	1346.522	1368.202	1388.924	1409.225	1428.812	1448.894	1466.766	1484.103
37.5	1297.532	1321.350	1345.159	1367.935	1389.588	1412.215	1432.553	1452.763	1472.223	1490.089
40.0	1290.368	1316.668	1341.803	1366.595	1388.237	1410.175	1431.810	1453.431	1474.198	1493.458
42.5	1282.960	1309.978	1336.464	1361.087	1385.258	1406.568	1428.713	1450.646	1472.076	1491.497
45.0	1272.684	1300.244	1326.690	1351.848	1375.618	1399.521	1421.121	1443.333	1465.448	1485.907
47.5	1257.141	1285.993	1314.078	1339.955	1364.728	1388.192	1411.196	1434.020	1456.681	1478.160
50.0	1240.182	1269.999	1299.697	1325.912	1351.781	1376.182	1399.501	1422.653	1445.263	1467.632
52.5	1221.584	1251.962	1281.693	1309.891	1336.839	1362.328	1386.176	1409.326	1432.310	1454.020
55.0	1201.503	1232.363	1262.726	1292.098	1319.914	1346.160	1370.743	1392.926	1414.710	1436.724
57.5	1179.850	1212.112	1242.230	1272.875	1300.677	1326.196	1350.084	1372.954	1395.140	1417.005
60.0	1157.094	1188.670	1220.186	1248.618	1276.011	1302.166	1327.242	1350.927	1373.363	1395.478

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CANDELA TABULATION - (Cont.)

62.5	1133.299	1163.692	1192.249	1220.833	1248.870	1276.014	1301.887	1326.511	1349.723	1371.578
65.0	1105.388	1134.061	1162.750	1191.356	1219.719	1247.358	1274.175	1300.053	1323.641	1346.197
67.5	1074.552	1104.468	1132.086	1161.607	1188.878	1216.781	1243.864	1270.160	1295.914	1317.218
70.0	1042.141	1071.232	1099.957	1128.563	1156.831	1184.486	1211.754	1238.131	1262.335	1284.005
72.5	1008.742	1037.628	1066.547	1095.081	1123.290	1152.018	1177.932	1202.666	1225.495	1247.704
75.0	974.784	1003.062	1031.678	1060.228	1089.026	1116.089	1140.815	1163.629	1187.537	1209.344
77.5	940.368	968.035	995.875	1024.390	1052.006	1077.591	1100.509	1123.602	1145.028	1166.951
80.0	905.334	932.494	960.145	986.937	1012.841	1035.511	1058.477	1079.975	1101.780	1123.573
82.5	869.755	897.079	923.090	948.362	969.912	992.761	1014.124	1035.547	1056.789	1078.789
85.0	834.442	860.038	885.381	905.763	927.059	947.387	968.591	989.751	1011.217	1030.179
87.5	796.723	822.901	842.910	863.538	882.224	901.947	922.223	942.853	962.323	981.612
90.0	759.543	780.173	800.920	818.840	837.632	856.451	875.114	895.787	913.204	931.717
92.5	717.980	738.606	756.141	774.322	792.431	810.379	829.105	845.598	863.164	881.008
95.0	674.937	694.091	711.912	729.781	747.127	764.544	780.988	797.188	813.339	828.936
97.5	632.257	649.822	667.453	684.883	701.757	719.587	733.632	748.888	765.541	777.825
100.0	588.475	605.776	622.758	639.558	656.948	671.744	686.681	700.866	713.794	727.553
102.5	545.801	562.081	578.323	594.331	610.031	625.094	639.461	653.033	663.706	674.399
105.0	503.393	518.832	534.139	549.877	563.864	578.100	592.687	603.032	612.699	622.174
107.5	461.179	476.051	490.390	505.908	518.208	531.594	543.408	552.180	560.728	569.051
110.0	419.485	433.529	447.071	460.325	473.180	486.051	493.868	501.480	508.875	515.617
112.5	378.403	391.600	404.852	416.788	428.812	437.647	445.073	451.705	457.687	463.171
115.0	337.473	350.204	363.469	373.863	383.668	390.235	396.622	402.358	407.879	412.305
117.5	298.539	309.847	322.530	331.623	337.939	343.511	348.777	353.569	358.057	361.856
120.0	259.969	270.858	281.305	287.422	293.161	299.249	302.471	306.061	309.244	311.923
122.5	222.590	232.672	240.155	245.856	250.642	254.348	257.800	261.983	264.118	264.008
125.0	186.532	194.414	200.645	206.363	210.051	213.459	215.774	217.310	218.472	219.082
127.5	150.115	157.128	162.889	167.693	171.670	174.393	176.282	177.363	178.113	176.805
130.0	114.978	120.701	126.556	131.389	134.906	138.539	140.473	139.784	139.508	138.407
132.5	82.292	87.607	91.383	95.872	99.621	102.398	103.916	104.541	104.101	102.838
135.0	53.389	59.824	63.835	65.268	65.729	67.945	69.826	71.385	70.631	69.451
137.5	28.474	35.755	40.624	43.043	43.352	41.485	38.797	37.724	37.826	37.175
140.0	8.102	15.456	20.989	24.456	25.880	25.555	22.865	18.687	12.863	7.241
142.5	0.314	1.930	5.668	9.609	12.060	12.607	11.547	8.907	4.758	0.000
145.0	0.000	0.000	0.175	0.887	2.529	3.715	3.869	2.588	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.021	0.152	0.265	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>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	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1186.186	1187.702	1189.128	1190.458	1191.692	1192.824	1193.855	1194.780	1197.658	1197.741
5.0	1230.093	1233.134	1236.006	1238.704	1241.482	1243.549	1245.684	1247.616	1249.339	1250.850
7.5	1271.102	1274.888	1279.374	1283.584	1287.444	1291.036	1294.788	1297.474	1300.311	1302.828

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CANDELA TABULATION - (Cont.)

10.0	1306.695	1312.952	1319.052	1324.827	1330.269	1335.352	1340.043	1345.666	1348.159	1351.480
12.5	1339.427	1347.170	1355.011	1362.332	1369.198	1375.545	1381.501	1387.139	1393.333	1396.931
15.0	1369.704	1377.620	1386.971	1395.784	1404.066	1412.869	1419.195	1426.099	1432.362	1438.102
17.5	1392.308	1403.519	1414.171	1424.272	1433.941	1443.241	1452.699	1460.166	1467.877	1474.931
20.0	1412.464	1424.390	1437.573	1448.056	1459.110	1469.673	1479.909	1489.708	1500.181	1507.415
22.5	1435.003	1446.700	1457.483	1467.555	1479.557	1491.487	1503.169	1514.529	1525.488	1535.682
25.0	1453.913	1466.374	1478.552	1490.772	1500.811	1511.270	1521.961	1535.122	1547.500	1559.382
27.5	1469.544	1483.127	1495.976	1508.921	1520.661	1532.133	1542.762	1552.915	1565.292	1578.624
30.0	1482.224	1495.643	1509.679	1523.332	1536.378	1549.066	1561.087	1572.653	1583.222	1593.696
32.5	1491.016	1506.049	1519.713	1534.535	1548.384	1562.401	1576.268	1588.482	1600.158	1610.030
35.0	1500.534	1516.505	1531.760	1546.483	1560.374	1573.242	1585.636	1598.289	1609.544	1620.753
37.5	1507.307	1524.258	1541.050	1556.694	1571.450	1584.791	1597.059	1606.233	1615.368	1624.344
40.0	1511.255	1529.185	1547.279	1563.737	1578.698	1591.313	1602.726	1613.372	1622.348	1629.676
42.5	1510.106	1528.737	1547.327	1565.207	1579.567	1592.411	1604.555	1615.271	1624.983	1632.120
45.0	1505.768	1524.412	1543.944	1560.768	1576.245	1589.137	1601.161	1611.337	1621.008	1628.125
47.5	1498.009	1517.608	1536.244	1554.108	1569.875	1583.764	1595.773	1606.913	1617.163	1625.830
50.0	1489.136	1507.759	1527.059	1544.263	1561.481	1576.746	1590.161	1602.252	1612.869	1621.873
52.5	1475.100	1494.889	1514.155	1532.220	1549.457	1565.687	1580.357	1593.764	1602.717	1610.750
55.0	1458.511	1478.968	1499.158	1517.551	1534.806	1551.049	1564.869	1576.895	1587.007	1595.558
57.5	1438.803	1460.617	1480.755	1500.349	1516.986	1531.413	1544.782	1557.263	1568.385	1579.225
60.0	1417.082	1439.005	1459.744	1477.846	1494.592	1509.168	1522.629	1534.421	1547.476	1560.817
62.5	1393.491	1414.123	1434.171	1451.913	1468.836	1484.833	1497.485	1509.642	1524.430	1537.864
65.0	1367.079	1386.099	1404.378	1422.323	1439.665	1455.700	1469.842	1484.392	1498.302	1511.221
67.5	1336.861	1355.669	1373.916	1391.095	1408.052	1424.609	1439.577	1454.794	1468.401	1480.466
70.0	1304.173	1323.176	1341.366	1358.224	1374.413	1389.798	1405.928	1420.924	1434.350	1446.960
72.5	1270.149	1287.936	1306.065	1323.032	1339.325	1354.739	1369.894	1384.050	1397.042	1407.797
75.0	1230.685	1249.699	1268.259	1285.191	1301.307	1317.254	1331.602	1344.682	1357.755	1366.817
77.5	1189.227	1208.211	1227.338	1245.798	1261.094	1276.321	1290.186	1302.765	1313.786	1323.835
80.0	1143.758	1163.649	1182.961	1200.935	1219.076	1232.737	1246.020	1257.938	1268.169	1279.611
82.5	1097.419	1116.885	1135.598	1153.862	1170.881	1185.888	1199.310	1210.497	1219.845	1233.688
85.0	1049.532	1068.381	1086.628	1104.297	1122.114	1136.898	1148.724	1160.183	1171.195	1184.523
87.5	999.902	1018.211	1036.430	1052.725	1068.338	1082.397	1095.088	1106.031	1117.040	1132.144
90.0	949.601	967.249	983.764	999.671	1014.407	1027.653	1039.524	1051.645	1061.907	1076.485
92.5	898.065	914.795	930.626	945.506	958.834	972.632	982.076	991.302	1005.412	1019.095
95.0	844.950	860.545	875.678	889.553	902.258	913.689	923.650	932.411	947.357	960.157
97.5	791.872	807.097	819.511	832.637	844.020	854.367	863.351	873.960	888.054	900.270
100.0	738.666	750.888	762.763	773.882	784.340	793.551	801.579	813.801	826.908	838.288
102.5	685.050	697.818	708.001	715.563	724.362	732.394	738.856	752.156	766.293	774.513
105.0	631.408	640.385	648.913	656.900	664.305	670.583	677.887	691.843	701.720	711.814
107.5	577.000	584.589	591.638	598.081	604.206	608.563	619.348	628.051	637.220	645.850
110.0	522.168	528.267	534.133	538.945	543.106	546.419	555.916	565.136	573.010	579.376
112.5	468.143	472.512	476.608	480.243	482.461	486.987	494.407	501.917	508.115	512.997
115.0	415.828	419.126	421.020	422.598	423.311	427.278	433.707	439.185	443.538	446.780
117.5	365.213	367.268	368.262	368.226	367.569	371.115	374.874	378.086	380.353	381.598
120.0	314.193	315.760	316.633	317.942	316.042	317.598	318.770	319.465	319.584	318.764
122.5	264.959	265.189	264.888	263.970	263.920	264.238	263.964	262.871	260.736	257.636
125.0	219.517	217.699	216.015	213.962	212.964	212.520	209.921	207.740	202.865	198.231
127.5	175.569	174.549	171.285	168.721	166.722	163.207	159.401	154.832	149.555	143.384
130.0	136.628	133.660	129.984	128.480	125.342	121.350	116.459	110.624	104.846	96.578
132.5	100.619	97.531	95.944	95.262	92.819	88.645	83.190	76.739	69.651	61.560
135.0	67.405	64.730	66.772	67.183	66.213	63.915	60.359	55.646	49.868	43.122
137.5	35.696	37.926	41.081	42.947	43.983	43.368	41.002	38.215	34.500	30.022
140.0	7.422	13.106	17.811	20.989	23.127	24.056	24.472	23.011	21.253	18.817
142.5	0.000	0.000	0.325	1.970	4.520	6.830	8.444	9.221	9.287	9.059
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.428
147.5	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.)

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>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	1138.965	1138.965	1138.965	1138.965	1138.965
2.5	1197.825	1197.910	1197.996	1198.082	1198.168
5.0	1253.992	1254.255	1254.519	1254.785	1255.052
7.5	1305.014	1308.527	1309.099	1309.674	1310.251
10.0	1354.404	1356.916	1359.904	1360.885	1361.870
12.5	1401.004	1404.549	1408.736	1410.265	1411.802
15.0	1443.212	1447.743	1453.053	1455.281	1457.521
17.5	1481.355	1487.105	1492.176	1496.926	1500.079
20.0	1515.424	1522.615	1529.069	1535.182	1539.477
22.5	1544.973	1553.746	1561.884	1569.685	1575.294
25.0	1570.709	1581.252	1590.851	1600.064	1607.107
27.5	1591.828	1604.409	1615.195	1625.827	1634.286
30.0	1608.212	1622.090	1634.976	1647.536	1657.672
32.5	1619.865	1635.497	1650.494	1665.762	1678.530
35.0	1631.061	1642.153	1659.162	1677.430	1695.174
37.5	1635.165	1646.135	1659.307	1683.579	1708.657
40.0	1634.947	1641.914	1656.324	1678.640	1716.664
42.5	1638.861	1643.829	1647.246	1661.550	1721.298
45.0	1634.148	1638.235	1641.218	1642.575	1664.624
47.5	1633.310	1639.627	1643.629	1655.584	1718.349
50.0	1627.976	1633.151	1644.036	1666.732	1710.554
52.5	1617.368	1628.185	1643.690	1668.111	1699.388
55.0	1607.443	1621.283	1634.180	1658.329	1681.901
57.5	1593.296	1606.285	1622.628	1641.385	1659.568
60.0	1574.282	1586.126	1603.126	1619.640	1634.075
62.5	1550.503	1562.822	1579.166	1593.875	1606.475
65.0	1523.775	1536.290	1551.077	1563.811	1574.240
67.5	1491.194	1505.450	1518.921	1531.614	1539.056
70.0	1456.950	1471.043	1483.104	1494.212	1500.289
72.5	1420.216	1433.666	1444.799	1454.770	1459.838
75.0	1380.711	1393.669	1404.275	1413.742	1418.123
77.5	1338.554	1351.115	1361.233	1370.221	1374.299
80.0	1294.644	1307.469	1315.471	1324.296	1327.949
82.5	1246.687	1259.362	1267.095	1274.835	1277.806
85.0	1197.562	1209.142	1216.971	1224.421	1227.031
87.5	1145.210	1156.154	1164.223	1171.407	1173.517
90.0	1089.091	1099.276	1107.007	1113.635	1115.157
92.5	1030.646	1039.985	1046.938	1052.813	1053.637
95.0	970.759	979.288	985.614	990.850	991.063

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CANDELA TABULATION - (Cont.)

97.5	910.288	918.008	923.608	928.151	927.858
100.0	847.602	854.786	859.841	863.838	862.967
102.5	783.042	789.506	793.595	796.594	794.915
105.0	717.259	722.487	725.759	728.053	725.600
107.5	651.114	655.300	657.532	658.788	655.442
110.0	584.244	587.258	588.276	588.363	584.020
112.5	516.383	518.005	517.755	516.623	511.123
115.0	451.179	448.850	447.207	444.696	438.015
117.5	383.585	380.253	377.139	373.230	365.328
120.0	317.978	313.342	308.498	302.949	293.695
122.5	254.270	248.257	241.620	234.333	223.537
125.0	192.783	185.670	177.465	168.610	156.561
127.5	136.181	127.969	118.544	108.522	95.861
130.0	88.301	79.230	69.135	58.524	45.887
132.5	52.772	43.398	33.237	22.645	10.913
135.0	35.524	27.236	18.441	9.333	0.000
137.5	24.857	19.136	12.994	6.591	0.000
140.0	15.772	12.244	8.514	4.259	0.000
142.5	7.627	6.103	4.396	2.199	0.000
145.0	0.617	0.691	0.657	0.329	0.000
147.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	415.87	N.A.	7.10
0-30	889.49	N.A.	15.20
0-40	1483.48	N.A.	25.30
0-60	2875.29	N.A.	49.00
0-80	4252.96	N.A.	72.50
0-90	4823.47	N.A.	82.20
10-90	4715.87	N.A.	80.40
20-40	1067.61	N.A.	18.20
20-50	1741.63	N.A.	29.70
40-70	2106.47	N.A.	35.90
60-80	1377.67	N.A.	23.50
70-80	663.01	N.A.	11.30
80-90	570.51	N.A.	9.70
90-110	761.30	N.A.	13.00
90-120	945.47	N.A.	16.10
90-130	1024.7	N.A.	17.50
90-150	1043.47	N.A.	17.80
90-180	1043.47	N.A.	17.80
110-180	282.17	N.A.	4.80
0-180	5866.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	107.60
10-20	308.26
20-30	473.62
30-40	593.99
40-50	674.02
50-60	717.79
60-70	714.66
70-80	663.01
80-90	570.51
90-100	447.87
100-110	313.43
110-120	184.17
120-130	79.23
130-140	17.92
140-150	0.86
150-160	0.00
160-170	0.00
170-180	0.00

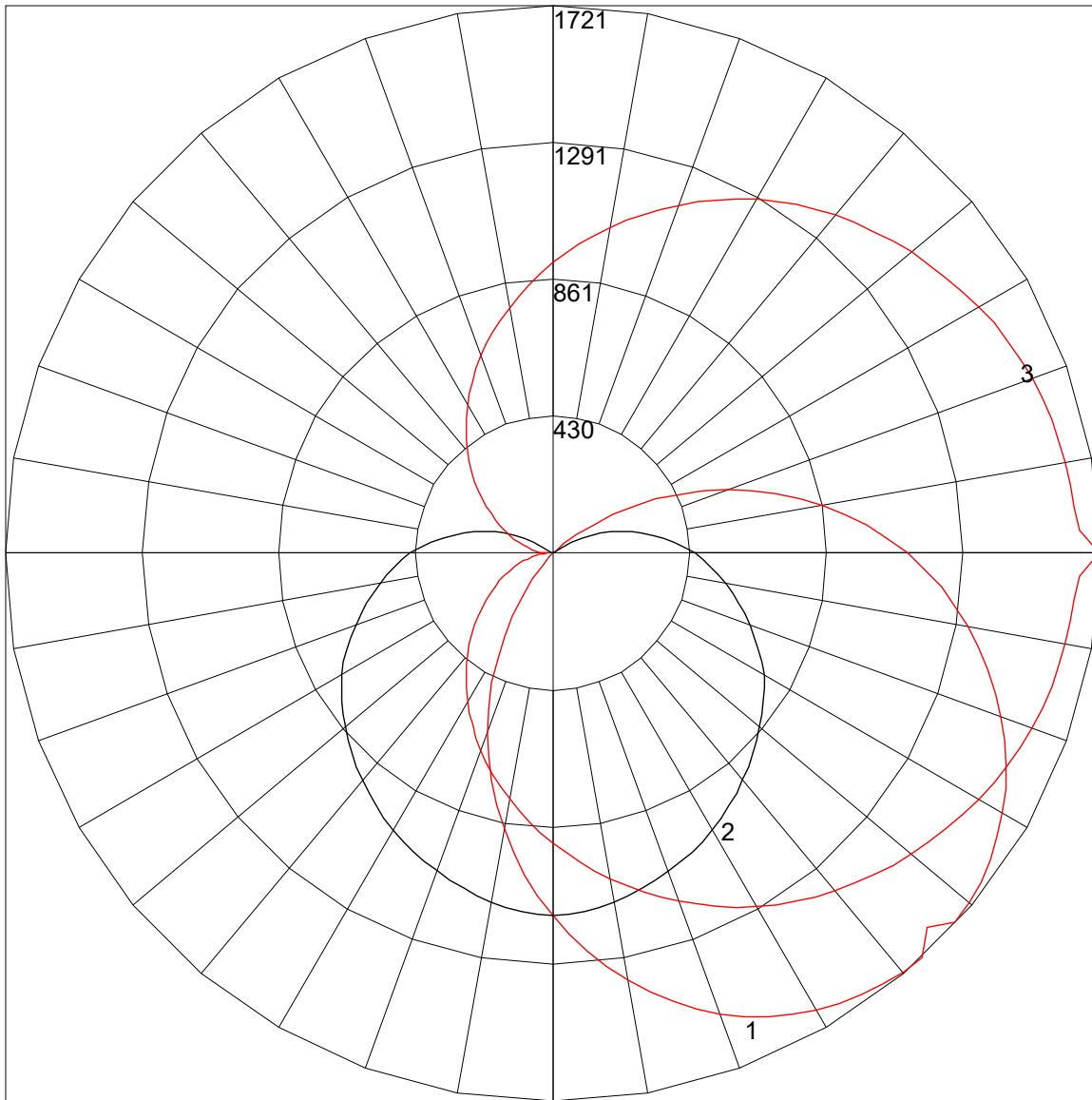
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82
1	100	94	88	83	96	90	84	80	82	78	74	75	72	68	69	66	63	60
2	90	80	71	64	85	76	68	62	69	63	58	63	58	54	58	54	50	47
3	81	69	59	52	77	66	57	50	60	53	47	55	49	44	50	45	41	37
4	73	60	50	43	70	57	48	41	53	45	39	48	42	36	44	38	34	31
5	67	53	43	36	64	51	42	35	47	39	33	43	36	31	39	33	29	26
6	62	47	38	31	59	45	37	30	42	34	28	38	32	27	35	30	25	22
7	57	43	33	27	54	41	32	26	38	30	25	35	28	23	32	26	22	20
8	53	39	30	24	50	37	29	23	34	27	22	32	25	21	29	24	20	17
9	49	35	27	21	47	34	26	21	32	25	20	29	23	18	27	22	17	15
10	46	33	24	19	44	31	24	18	29	22	18	27	21	17	25	20	16	14

POLAR GRAPH



Maximum Candela = 1721.298 Located At Horizontal Angle = 0, Vertical Angle = 42.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Horizontal Cone Through Vertical Angle (42.5) (Through Max. Cd.)