



IES ROAD REPORT

PHOTOMETRIC FILENAME : SFCM-WB-LED-PL1-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]DCL-150-90-035W-50K-8-3PC
[TESTLAB]Standard-Tech Co., Ltd.
[TESTDATE]2015-08-29
[ISSUE DATE]2016-05-09
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]SFCM-WB-LED-PL1-50
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[_SEARCH_SOURCE TYPE] LED
[_SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3627
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	33.61
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1446.926
Maximum Candela Angle	360H 7.5V
Maximum Candela (<90 Degrees Vertical)	1446.926
Maximum Candela Angle (<90 Degrees Vertical)	360H 7.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	65.249 (1.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	576.6	N.A.	15.9
FM - Front-Medium (30-60)	1121.9	N.A.	30.9
FH - Front-High (60-80)	265.1	N.A.	7.3
FVH - Front-Very High (80-90)	9.4	N.A.	0.3
BL - Back-Low (0-30)	544.5	N.A.	15.0
BM - Back-Medium (30-60)	929.3	N.A.	25.6
BH - Back-High (60-80)	169.2	N.A.	4.7
BVH - Back-Very High (80-90)	6.5	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	4.6	N.A.	0.1
Total	3627.1	N.A.	100.0
BUG Rating	B2-U1-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<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	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1441.653	1441.404	1441.154	1440.905	1440.656	1440.406	1440.157	1439.908	1439.658	1439.409
5.0	1443.239	1442.304	1441.369	1440.434	1439.499	1438.564	1437.629	1436.694	1435.759	1434.824
7.5	1446.926	1445.656	1444.385	1443.115	1441.844	1440.574	1439.303	1438.033	1436.762	1435.492
10.0	1445.779	1444.474	1443.170	1441.865	1440.561	1439.256	1437.952	1436.647	1435.343	1434.038
12.5	1441.393	1440.263	1439.133	1438.003	1436.873	1435.743	1434.613	1433.483	1432.353	1431.223
15.0	1432.733	1431.808	1430.883	1429.959	1429.034	1428.109	1427.184	1426.260	1425.335	1424.410
17.5	1416.918	1416.161	1415.405	1414.648	1413.892	1413.135	1412.379	1411.622	1410.866	1410.109
20.0	1398.869	1398.892	1398.914	1398.937	1398.960	1398.982	1399.005	1399.028	1399.050	1399.073
22.5	1384.895	1384.447	1383.999	1383.552	1383.104	1382.656	1382.209	1381.761	1381.313	1380.866
25.0	1369.778	1368.516	1367.253	1365.991	1364.728	1363.466	1362.203	1360.941	1359.678	1358.416
27.5	1344.340	1343.956	1343.573	1343.189	1342.805	1342.422	1342.038	1341.654	1341.271	1340.887
30.0	1312.903	1312.871	1312.840	1312.808	1312.776	1312.745	1312.713	1312.681	1312.650	1312.618
32.5	1286.378	1286.269	1286.160	1286.052	1285.943	1285.834	1285.725	1285.616	1285.507	1285.399
35.0	1257.517	1256.987	1256.456	1255.926	1255.396	1254.865	1254.335	1253.805	1253.274	1252.744
37.5	1226.260	1225.644	1225.028	1224.412	1223.796	1223.180	1222.564	1221.948	1221.332	1220.716
40.0	1190.697	1189.557	1188.417	1187.277	1186.137	1184.996	1183.856	1182.716	1181.576	1180.436
42.5	1148.617	1146.952	1145.286	1143.621	1141.955	1140.290	1138.624	1136.959	1135.293	1133.628
45.0	1104.119	1102.395	1100.671	1098.948	1097.224	1095.500	1093.776	1092.053	1090.329	1088.605
47.5	1044.715	1044.521	1044.326	1044.132	1043.937	1043.743	1043.548	1043.354	1043.159	1042.965
50.0	973.478	973.930	974.382	974.835	975.287	975.739	976.191	976.644	977.096	977.548
52.5	885.177	886.807	888.438	890.069	891.700	893.331	894.962	896.592	898.223	899.854
55.0	790.398	792.636	794.875	797.113	799.351	801.590	803.828	806.066	808.305	810.543
57.5	685.419	687.389	689.358	691.327	693.296	695.265	697.234	699.204	701.173	703.142
60.0	587.755	588.013	588.272	588.530	588.788	589.047	589.305	589.563	589.822	590.080
62.5	488.453	488.153	487.853	487.553	487.253	486.954	486.654	486.354	486.054	485.755
65.0	397.331	397.258	397.186	397.113	397.041	396.968	396.896	396.823	396.751	396.678
67.5	311.463	311.675	311.887	312.100	312.312	312.525	312.737	312.950	313.162	313.375
70.0	234.457	234.775	235.094	235.412	235.731	236.049	236.368	236.686	237.005	237.323
72.5	169.075	169.496	169.916	170.337	170.757	171.178	171.598	172.019	172.439	172.860
75.0	115.515	116.088	116.662	117.235	117.809	118.382	118.956	119.529	120.103	120.676
77.5	74.068	74.632	75.197	75.762	76.327	76.892	77.457	78.022	78.587	79.152
80.0	40.922	41.441	41.960	42.479	42.998	43.518	44.037	44.556	45.075	45.594
82.5	17.570	17.991	18.412	18.833	19.254	19.675	20.096	20.517	20.938	21.359
85.0	3.764	4.002	4.240	4.478	4.716	4.954	5.192	5.430	5.668	5.906
87.5	0.286	0.301	0.317	0.333	0.349	0.365	0.381	0.397	0.413	0.429
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	0.112	0.124	0.137	0.149	0.162	0.174	0.187	0.199	0.212	0.224
127.5	0.312	0.324	0.336	0.349	0.361	0.374	0.386	0.399	0.411	0.424
130.0	0.459	0.465	0.470	0.476	0.482	0.487	0.493	0.499	0.504	0.510

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132.5	0.459	0.481	0.502	0.524	0.545	0.567	0.588	0.610	0.631	0.653
135.0	0.571	0.589	0.607	0.625	0.643	0.662	0.680	0.698	0.716	0.734
137.5	0.627	0.655	0.684	0.712	0.741	0.769	0.797	0.826	0.854	0.883
140.0	0.734	0.760	0.786	0.812	0.838	0.865	0.891	0.917	0.943	0.969
142.5	0.908	0.943	0.977	1.012	1.046	1.081	1.115	1.150	1.184	1.219
145.0	1.020	1.052	1.084	1.115	1.147	1.179	1.211	1.242	1.274	1.306
147.5	1.311	1.314	1.317	1.320	1.322	1.325	1.328	1.331	1.334	1.337
150.0	1.306	1.318	1.331	1.343	1.356	1.368	1.381	1.393	1.406	1.418
152.5	1.454	1.456	1.459	1.462	1.465	1.468	1.471	1.473	1.476	1.479
155.0	1.540	1.551	1.563	1.574	1.585	1.597	1.608	1.619	1.631	1.642
157.5	1.540	1.549	1.557	1.566	1.574	1.583	1.591	1.600	1.608	1.617
160.0	1.540	1.571	1.601	1.632	1.663	1.693	1.724	1.755	1.785	1.816
162.5	1.596	1.627	1.658	1.690	1.721	1.752	1.783	1.815	1.846	1.877
165.0	1.826	1.855	1.885	1.914	1.944	1.973	2.003	2.032	2.062	2.091
167.5	1.882	1.916	1.950	1.984	2.018	2.052	2.086	2.120	2.154	2.188
170.0	2.326	2.326	2.326	2.326	2.326	2.326	2.326	2.326	2.326	2.326
172.5	2.591	2.568	2.546	2.523	2.500	2.478	2.455	2.432	2.410	2.387
175.0	2.672	2.653	2.634	2.614	2.595	2.576	2.557	2.537	2.518	2.499
177.5	2.672	2.653	2.634	2.614	2.595	2.576	2.557	2.537	2.518	2.499
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

**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	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1439.148	1438.888	1438.627	1438.366	1438.106	1437.845	1437.584	1437.324	1437.063	1437.004
5.0	1434.583	1434.341	1434.100	1433.858	1433.617	1433.375	1433.134	1432.892	1432.651	1432.513
7.5	1434.626	1433.759	1432.893	1432.026	1431.160	1430.293	1429.427	1428.560	1427.694	1427.595
10.0	1433.185	1432.331	1431.478	1430.625	1429.771	1428.918	1428.065	1427.211	1426.358	1425.942
12.5	1430.319	1429.415	1428.512	1427.608	1426.704	1425.800	1424.896	1423.992	1423.089	1422.462
15.0	1423.560	1422.710	1421.860	1421.010	1420.160	1419.310	1418.460	1417.610	1416.760	1415.752
17.5	1409.545	1408.981	1408.418	1407.854	1407.290	1406.726	1406.163	1405.599	1405.035	1403.193
20.0	1398.302	1397.532	1396.761	1395.990	1395.220	1394.449	1393.678	1392.908	1392.137	1389.604
22.5	1379.876	1378.886	1377.896	1376.906	1375.916	1374.926	1373.936	1372.946	1371.957	1369.344
25.0	1357.142	1355.868	1354.594	1353.320	1352.047	1350.773	1349.499	1348.225	1346.951	1344.556
27.5	1339.359	1337.832	1336.304	1334.776	1333.248	1331.721	1330.193	1328.665	1327.138	1324.470
30.0	1311.087	1309.556	1308.024	1306.493	1304.962	1303.431	1301.899	1300.368	1298.837	1296.369
32.5	1283.139	1280.879	1278.619	1276.359	1274.099	1271.840	1269.580	1267.320	1265.060	1262.419
35.0	1249.800	1246.855	1243.911	1240.966	1238.022	1235.077	1232.133	1229.188	1226.244	1223.366
37.5	1217.197	1213.679	1210.160	1206.642	1203.124	1199.605	1196.087	1192.568	1189.050	1186.004
40.0	1176.895	1173.355	1169.814	1166.274	1162.733	1159.193	1155.652	1152.112	1148.571	1144.454
42.5	1130.693	1127.757	1124.822	1121.887	1118.951	1116.016	1113.081	1110.145	1107.210	1102.140
45.0	1085.122	1081.640	1078.157	1074.674	1071.192	1067.709	1064.226	1060.744	1057.261	1051.823
47.5	1038.654	1034.344	1030.033	1025.723	1021.412	1017.101	1012.791	1008.480	1004.170	997.831
50.0	973.423	969.297	965.172	961.047	956.921	952.796	948.671	944.545	940.420	933.598
52.5	896.541	893.229	889.916	886.603	883.291	879.978	876.665	873.353	870.040	863.743
55.0	808.402	806.261	804.120	801.979	799.839	797.698	795.557	793.416	791.275	785.309
57.5	703.040	702.938	702.836	702.734	702.632	702.530	702.428	702.326	702.224	696.348
60.0	591.642	593.204	594.765	596.327	597.889	599.451	601.012	602.574	604.136	598.960
62.5	486.887	488.019	489.151	490.283	491.416	492.548	493.680	494.812	495.945	493.274
65.0	396.977	397.276	397.576	397.875	398.174	398.473	398.773	399.072	399.371	398.545
67.5	313.507	313.639	313.771	313.903	314.035	314.167	314.299	314.431	314.563	314.799
70.0	237.639	237.955	238.272	238.588	238.904	239.220	239.537	239.853	240.169	241.060
72.5	173.566	174.273	174.979	175.686	176.393	177.099	177.806	178.512	179.219	180.402
75.0	121.630	122.585	123.539	124.493	125.448	126.402	127.356	128.311	129.265	130.472
77.5	80.353	81.554	82.754	83.955	85.156	86.357	87.557	88.758	89.959	90.991

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80.0	46.818	48.042	49.266	50.490	51.714	52.938	54.162	55.386	56.610	57.570
82.5	22.478	23.597	24.716	25.835	26.955	28.074	29.193	30.312	31.432	32.411
85.0	6.714	7.522	8.330	9.138	9.946	10.754	11.562	12.370	13.178	14.062
87.5	0.532	0.636	0.740	0.843	0.947	1.051	1.155	1.258	1.362	1.875
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	0.015
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.057
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.066
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.069
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.069
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.069
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.069
125.0	0.199	0.174	0.149	0.124	0.100	0.075	0.050	0.025	0.000	0.069
127.5	0.392	0.361	0.330	0.299	0.267	0.236	0.205	0.174	0.143	0.196
130.0	0.491	0.472	0.452	0.433	0.414	0.395	0.375	0.356	0.337	0.381
132.5	0.624	0.596	0.568	0.539	0.511	0.483	0.455	0.426	0.398	0.442
135.0	0.703	0.673	0.642	0.612	0.581	0.551	0.520	0.490	0.459	0.502
137.5	0.844	0.805	0.767	0.728	0.690	0.651	0.613	0.574	0.536	0.586
140.0	0.930	0.892	0.853	0.815	0.776	0.738	0.699	0.661	0.622	0.691
142.5	1.153	1.087	1.021	0.956	0.890	0.824	0.758	0.693	0.627	0.714
145.0	1.242	1.179	1.115	1.052	0.988	0.925	0.861	0.798	0.734	0.810
147.5	1.323	1.309	1.296	1.282	1.268	1.255	1.241	1.228	1.214	1.240
150.0	1.418	1.418	1.418	1.418	1.418	1.418	1.418	1.418	1.418	1.418
152.5	1.485	1.490	1.496	1.502	1.507	1.513	1.519	1.524	1.530	1.520
155.0	1.642	1.642	1.642	1.642	1.642	1.642	1.642	1.642	1.642	1.630
157.5	1.629	1.641	1.654	1.666	1.679	1.691	1.704	1.716	1.729	1.712
160.0	1.816	1.816	1.816	1.816	1.816	1.816	1.816	1.816	1.816	1.797
162.5	1.876	1.875	1.874	1.873	1.871	1.870	1.869	1.868	1.867	1.842
165.0	2.080	2.068	2.057	2.046	2.034	2.023	2.012	2.000	1.989	1.950
167.5	2.196	2.205	2.213	2.222	2.230	2.239	2.247	2.256	2.264	2.195
170.0	2.326	2.326	2.326	2.326	2.326	2.326	2.326	2.326	2.326	2.262
172.5	2.406	2.424	2.443	2.462	2.480	2.499	2.518	2.536	2.555	2.494
175.0	2.524	2.549	2.574	2.599	2.623	2.648	2.673	2.698	2.723	2.666
177.5	2.517	2.535	2.553	2.571	2.590	2.608	2.626	2.644	2.662	2.618
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

Vert. Horizontal Angles
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	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1436.945	1436.886	1436.827	1436.768	1436.709	1436.650	1436.591	1436.533	1436.469	1436.406
5.0	1432.375	1432.236	1432.098	1431.960	1431.822	1431.683	1431.545	1431.407	1431.098	1430.788
7.5	1427.496	1427.397	1427.297	1427.198	1427.099	1427.000	1426.901	1426.802	1426.094	1425.387
10.0	1425.526	1425.110	1424.694	1424.278	1423.862	1423.446	1423.030	1422.614	1421.238	1419.862
12.5	1421.836	1421.210	1420.584	1419.958	1419.332	1418.705	1418.079	1417.453	1415.290	1413.126
15.0	1414.745	1413.737	1412.730	1411.722	1410.715	1409.707	1408.700	1407.692	1405.084	1402.476
17.5	1401.351	1399.508	1397.666	1395.824	1393.982	1392.139	1390.297	1388.455	1386.493	1384.531
20.0	1387.071	1384.538	1382.005	1379.472	1376.939	1374.406	1371.873	1369.340	1367.582	1365.824
22.5	1366.732	1364.119	1361.507	1358.895	1356.282	1353.670	1351.057	1348.445	1347.185	1345.926
25.0	1342.161	1339.767	1337.372	1334.977	1332.582	1330.188	1327.793	1325.398	1323.815	1322.232

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CANDELA TABULATION - (Cont.)

27.5	1321.803	1319.136	1316.468	1313.801	1311.134	1308.466	1305.799	1303.132	1300.186	1297.241
30.0	1293.900	1291.432	1288.964	1286.495	1284.027	1281.559	1279.090	1276.622	1272.756	1268.890
32.5	1259.779	1257.138	1254.497	1251.857	1249.216	1246.575	1243.935	1241.294	1237.237	1233.180
35.0	1220.489	1217.611	1214.734	1211.856	1208.979	1206.101	1203.224	1200.346	1196.000	1191.653
37.5	1182.957	1179.911	1176.864	1173.818	1170.771	1167.725	1164.678	1161.632	1156.447	1151.262
40.0	1140.336	1136.219	1132.101	1127.984	1123.866	1119.749	1115.631	1111.514	1106.580	1101.645
42.5	1097.069	1091.999	1086.928	1081.858	1076.787	1071.717	1066.646	1061.576	1055.357	1049.139
45.0	1046.385	1040.948	1035.510	1030.072	1024.634	1019.197	1013.759	1008.321	1001.565	994.809
47.5	991.492	985.153	978.815	972.476	966.137	959.798	953.460	947.121	940.331	933.541
50.0	926.777	919.955	913.134	906.312	899.491	892.669	885.848	879.026	872.288	865.551
52.5	857.446	851.149	844.852	838.556	832.259	825.962	819.665	813.368	806.071	798.773
55.0	779.343	773.377	767.411	761.446	755.480	749.514	743.548	737.582	730.588	723.594
57.5	690.471	684.595	678.719	672.842	666.966	661.090	655.213	649.337	642.507	635.677
60.0	593.784	588.608	583.432	578.256	573.080	567.904	562.728	557.552	551.412	545.271
62.5	490.604	487.934	485.264	482.594	479.924	477.253	474.583	471.913	466.459	461.006
65.0	397.719	396.892	396.066	395.240	394.414	393.587	392.761	391.935	387.129	382.322
67.5	315.036	315.272	315.508	315.745	315.981	316.217	316.454	316.690	312.718	308.746
70.0	241.951	242.841	243.732	244.623	245.514	246.404	247.295	248.186	245.174	242.161
72.5	181.584	182.767	183.949	185.132	186.315	187.497	188.680	189.863	187.594	185.325
75.0	131.679	132.886	134.093	135.300	136.507	137.714	138.921	140.128	138.425	136.721
77.5	92.023	93.055	94.087	95.118	96.150	97.182	98.214	99.246	98.016	96.787
80.0	58.530	59.490	60.450	61.409	62.369	63.329	64.289	65.249	64.510	63.771
82.5	33.391	34.371	35.351	36.330	37.310	38.290	39.270	40.250	39.886	39.523
85.0	14.946	15.830	16.714	17.598	18.482	19.366	20.250	21.134	21.038	20.941
87.5	2.388	2.900	3.413	3.926	4.439	4.951	5.464	5.977	5.928	5.878
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	0.031	0.046	0.061	0.076	0.092	0.107	0.122	0.138	0.186	0.235
110.0	0.113	0.170	0.227	0.283	0.340	0.397	0.453	0.510	0.560	0.610
112.5	0.133	0.199	0.265	0.331	0.398	0.464	0.530	0.597	0.631	0.665
115.0	0.138	0.207	0.276	0.346	0.415	0.484	0.553	0.622	0.640	0.658
117.5	0.138	0.207	0.276	0.346	0.415	0.484	0.553	0.622	0.634	0.647
120.0	0.138	0.207	0.276	0.346	0.415	0.484	0.553	0.622	0.634	0.647
122.5	0.138	0.207	0.276	0.346	0.415	0.484	0.553	0.622	0.641	0.659
125.0	0.138	0.207	0.276	0.346	0.415	0.484	0.553	0.622	0.659	0.697
127.5	0.249	0.302	0.356	0.409	0.462	0.515	0.569	0.622	0.666	0.709
130.0	0.425	0.469	0.513	0.558	0.602	0.646	0.690	0.734	0.785	0.836
132.5	0.486	0.531	0.575	0.619	0.663	0.708	0.752	0.796	0.867	0.939
135.0	0.545	0.588	0.631	0.675	0.718	0.761	0.804	0.847	0.929	1.010
137.5	0.636	0.687	0.737	0.788	0.838	0.889	0.939	0.990	1.064	1.139
140.0	0.760	0.829	0.898	0.968	1.037	1.106	1.175	1.244	1.300	1.355
142.5	0.802	0.889	0.976	1.064	1.151	1.238	1.326	1.413	1.459	1.506
145.0	0.886	0.962	1.038	1.114	1.190	1.266	1.342	1.418	1.474	1.529
147.5	1.265	1.291	1.316	1.342	1.367	1.393	1.418	1.444	1.515	1.587
150.0	1.418	1.418	1.418	1.418	1.418	1.418	1.418	1.418	1.505	1.592
152.5	1.511	1.501	1.492	1.482	1.472	1.463	1.453	1.444	1.531	1.618
155.0	1.617	1.605	1.592	1.580	1.567	1.555	1.542	1.530	1.610	1.691
157.5	1.696	1.679	1.663	1.647	1.630	1.614	1.597	1.581	1.643	1.706
160.0	1.777	1.758	1.739	1.719	1.700	1.681	1.661	1.642	1.698	1.753
162.5	1.817	1.792	1.767	1.742	1.717	1.692	1.667	1.642	1.716	1.790
165.0	1.912	1.873	1.835	1.796	1.758	1.719	1.681	1.642	1.742	1.842

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CANDELA TABULATION - (Cont.)

167.5	2.126	2.057	1.988	1.918	1.849	1.780	1.711	1.642	1.747	1.853
170.0	2.199	2.135	2.072	2.008	1.945	1.881	1.818	1.754	1.854	1.954
172.5	2.434	2.373	2.313	2.252	2.191	2.131	2.070	2.010	2.093	2.177
175.0	2.610	2.553	2.496	2.440	2.383	2.326	2.270	2.213	2.274	2.335
177.5	2.574	2.529	2.485	2.441	2.397	2.352	2.308	2.264	2.307	2.350
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

Vert. Angles **Horizontal Angles**

	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>
0.0	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1436.342	1436.279	1436.215	1436.152	1436.088	1436.025	1435.962	1435.649	1435.337	1435.025
5.0	1430.479	1430.169	1429.860	1429.550	1429.241	1428.931	1428.622	1428.328	1428.035	1427.741
7.5	1424.680	1423.973	1423.265	1422.558	1421.851	1421.144	1420.437	1419.248	1418.060	1416.872
10.0	1418.487	1417.111	1415.735	1414.359	1412.984	1411.608	1410.232	1408.464	1406.696	1404.928
12.5	1410.963	1408.799	1406.636	1404.472	1402.309	1400.145	1397.982	1395.753	1393.525	1391.297
15.0	1399.869	1397.261	1394.653	1392.045	1389.438	1386.830	1384.222	1380.746	1377.270	1373.794
17.5	1382.569	1380.607	1378.646	1376.684	1374.722	1372.760	1370.798	1366.557	1362.315	1358.074
20.0	1364.067	1362.309	1360.551	1358.793	1357.036	1355.278	1353.520	1349.240	1344.961	1340.681
22.5	1344.666	1343.406	1342.147	1340.887	1339.627	1338.368	1337.108	1332.393	1327.679	1322.964
25.0	1320.648	1319.065	1317.482	1315.899	1314.315	1312.732	1311.149	1305.383	1299.616	1293.850
27.5	1294.295	1291.350	1288.404	1285.459	1282.513	1279.568	1276.622	1270.544	1264.466	1258.388
30.0	1265.025	1261.159	1257.293	1253.427	1249.562	1245.696	1241.830	1236.238	1230.646	1225.054
32.5	1229.124	1225.067	1221.010	1216.953	1212.897	1208.840	1204.783	1199.169	1193.555	1187.941
35.0	1187.307	1182.961	1178.614	1174.268	1169.922	1165.575	1161.229	1155.914	1150.598	1145.283
37.5	1146.077	1140.892	1135.707	1130.522	1125.337	1120.152	1114.967	1109.614	1104.262	1098.909
40.0	1096.711	1091.776	1086.842	1081.907	1076.973	1072.038	1067.104	1061.470	1055.836	1050.202
42.5	1042.921	1036.703	1030.485	1024.267	1018.049	1011.831	1005.613	1000.375	995.138	989.900
45.0	988.054	981.298	974.542	967.786	961.031	954.275	947.519	941.800	936.081	930.363
47.5	926.752	919.962	913.172	906.382	899.592	892.802	886.013	879.844	873.675	867.507
50.0	858.813	852.075	845.338	838.600	831.862	825.125	818.387	812.257	806.127	799.996
52.5	791.476	784.178	776.881	769.583	762.286	754.988	747.691	741.442	735.194	728.945
55.0	716.601	709.607	702.613	695.619	688.626	681.632	674.638	668.101	661.564	655.027
57.5	628.847	622.017	615.187	608.357	601.527	594.697	587.867	581.511	575.154	568.798
60.0	539.131	532.991	526.850	520.710	514.570	508.429	502.289	496.136	489.983	483.830
62.5	455.552	450.099	444.645	439.192	433.738	428.285	422.831	416.920	411.009	405.098
65.0	377.516	372.709	367.903	363.096	358.290	353.483	348.677	343.274	337.872	332.469
67.5	304.775	300.803	296.831	292.859	288.887	284.915	280.944	276.141	271.339	266.536
70.0	239.149	236.137	233.124	230.112	227.100	224.087	221.075	216.865	212.654	208.444
72.5	183.056	180.787	178.518	176.249	173.980	171.711	169.443	165.808	162.173	158.539
75.0	135.018	133.314	131.611	129.907	128.204	126.500	124.797	121.851	118.906	115.960
77.5	95.557	94.327	93.098	91.868	90.638	89.409	88.179	85.881	83.582	81.284
80.0	63.032	62.293	61.555	60.816	60.077	59.338	58.599	56.953	55.308	53.662
82.5	39.160	38.796	38.433	38.070	37.707	37.343	36.980	35.790	34.600	33.410
85.0	20.845	20.749	20.652	20.556	20.460	20.363	20.267	19.476	18.685	17.894
87.5	5.829	5.780	5.731	5.681	5.632	5.583	5.534	5.180	4.827	4.474
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	0.032	0.064	0.095
107.5	0.284	0.333	0.381	0.430	0.479	0.528	0.577	0.575	0.573	0.571
110.0	0.660	0.710	0.759	0.809	0.859	0.909	0.959	0.920	0.882	0.843
112.5	0.699	0.733	0.767	0.801	0.835	0.869	0.903	0.871	0.838	0.806

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CANDELA TABULATION - (Cont.)

115.0	0.676	0.694	0.713	0.731	0.749	0.767	0.785	0.766	0.747	0.727
117.5	0.659	0.672	0.684	0.697	0.709	0.722	0.734	0.720	0.707	0.693
120.0	0.659	0.672	0.684	0.697	0.709	0.722	0.734	0.727	0.720	0.714
122.5	0.678	0.697	0.716	0.734	0.753	0.772	0.791	0.791	0.791	0.791
125.0	0.734	0.772	0.809	0.847	0.884	0.922	0.959	0.952	0.945	0.939
127.5	0.753	0.797	0.840	0.884	0.928	0.971	1.015	1.030	1.044	1.059
130.0	0.887	0.938	0.989	1.040	1.091	1.142	1.193	1.198	1.202	1.207
132.5	1.010	1.082	1.153	1.224	1.296	1.367	1.439	1.428	1.418	1.408
135.0	1.092	1.173	1.255	1.336	1.418	1.499	1.581	1.555	1.529	1.503
137.5	1.214	1.289	1.363	1.438	1.513	1.588	1.663	1.646	1.630	1.613
140.0	1.411	1.466	1.522	1.577	1.633	1.688	1.744	1.737	1.730	1.724
142.5	1.552	1.599	1.645	1.692	1.738	1.785	1.831	1.836	1.841	1.846
145.0	1.585	1.640	1.696	1.751	1.807	1.862	1.918	1.910	1.902	1.894
147.5	1.659	1.731	1.803	1.875	1.947	2.019	2.091	2.073	2.056	2.038
150.0	1.680	1.767	1.854	1.941	2.029	2.116	2.203	2.195	2.187	2.179
152.5	1.705	1.792	1.880	1.967	2.054	2.141	2.229	2.221	2.214	2.207
155.0	1.771	1.852	1.932	2.013	2.093	2.174	2.254	2.259	2.263	2.268
157.5	1.768	1.830	1.893	1.955	2.017	2.080	2.142	2.159	2.176	2.193
160.0	1.809	1.864	1.920	1.975	2.031	2.086	2.142	2.159	2.176	2.193
162.5	1.865	1.939	2.013	2.087	2.162	2.236	2.310	2.308	2.307	2.305
165.0	1.941	2.041	2.141	2.241	2.340	2.440	2.540	2.520	2.499	2.479
167.5	1.958	2.064	2.169	2.275	2.380	2.486	2.591	2.584	2.576	2.569
170.0	2.053	2.153	2.253	2.353	2.452	2.552	2.652	2.637	2.622	2.608
172.5	2.261	2.345	2.429	2.513	2.596	2.680	2.764	2.737	2.710	2.682
175.0	2.397	2.458	2.519	2.580	2.642	2.703	2.764	2.737	2.710	2.682
177.5	2.393	2.436	2.480	2.523	2.566	2.609	2.652	2.641	2.629	2.618
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

**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	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1434.712	1434.400	1434.088	1433.776	1433.463	1433.151	1432.704	1432.258	1431.811	1431.365
5.0	1427.448	1427.154	1426.861	1426.567	1426.274	1425.980	1425.410	1424.840	1424.270	1423.700
7.5	1415.683	1414.495	1413.307	1412.119	1410.930	1409.742	1408.714	1407.686	1406.658	1405.630
10.0	1403.160	1401.392	1399.624	1397.856	1396.088	1394.320	1392.810	1391.301	1389.791	1388.281
12.5	1389.069	1386.841	1384.613	1382.384	1380.156	1377.928	1376.705	1375.482	1374.260	1373.037
15.0	1370.318	1366.842	1363.366	1359.890	1356.414	1352.938	1352.725	1352.512	1352.299	1352.086
17.5	1353.832	1349.591	1345.349	1341.108	1336.866	1332.625	1331.904	1331.184	1330.464	1329.744
20.0	1336.402	1332.122	1327.843	1323.563	1319.284	1315.004	1313.018	1311.033	1309.047	1307.062
22.5	1318.249	1313.535	1308.820	1304.105	1299.391	1294.676	1291.795	1288.914	1286.033	1283.152
25.0	1288.083	1282.317	1276.550	1270.784	1265.017	1259.251	1256.717	1254.183	1251.649	1249.115
27.5	1252.310	1246.231	1240.153	1234.075	1227.997	1221.919	1220.191	1218.464	1216.736	1215.008
30.0	1219.462	1213.871	1208.279	1202.687	1197.095	1191.503	1188.743	1185.984	1183.224	1180.464
32.5	1182.327	1176.713	1171.099	1165.485	1159.871	1154.258	1151.067	1147.877	1144.687	1141.496
35.0	1139.968	1134.652	1129.337	1124.022	1118.706	1113.391	1109.952	1106.514	1103.075	1099.637
37.5	1093.556	1088.203	1082.851	1077.498	1072.145	1066.793	1063.557	1060.321	1057.086	1053.850
40.0	1044.568	1038.935	1033.301	1027.667	1022.033	1016.399	1013.522	1010.644	1007.767	1004.889
42.5	984.662	979.425	974.187	968.949	963.712	958.474	956.018	953.562	951.106	948.650
45.0	924.644	918.925	913.206	907.488	901.769	896.050	893.948	891.845	889.743	887.641
47.5	861.338	855.169	849.001	842.832	836.663	830.495	828.230	825.965	823.700	821.435
50.0	793.866	787.736	781.606	775.475	769.345	763.215	761.014	758.813	756.612	754.411
52.5	722.696	716.448	710.199	703.950	697.702	691.453	688.583	685.714	682.844	679.975
55.0	648.490	641.953	635.416	628.879	622.342	615.805	611.767	607.729	603.691	599.653
57.5	562.442	556.085	549.729	543.373	537.016	530.660	525.958	521.257	516.555	511.853
60.0	477.677	471.525	465.372	459.219	453.066	446.913	441.327	435.741	430.154	424.568

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CANDELA TABULATION - (Cont.)

62.5	399.187	393.276	387.365	381.454	375.543	369.633	363.516	357.399	351.283	345.166
65.0	327.066	321.664	316.261	310.858	305.456	300.053	293.912	287.770	281.629	275.487
67.5	261.734	256.931	252.129	247.326	242.524	237.722	231.998	226.274	220.550	214.826
70.0	204.234	200.023	195.813	191.603	187.392	183.182	178.070	172.957	167.845	162.732
72.5	154.904	151.269	147.635	144.000	140.366	136.731	132.547	128.362	124.178	119.994
75.0	113.015	110.069	107.124	104.178	101.233	98.287	95.071	91.854	88.638	85.422
77.5	78.985	76.687	74.389	72.090	69.792	67.494	65.160	62.827	60.493	58.160
80.0	52.017	50.371	48.726	47.080	45.435	43.789	42.147	40.505	38.862	37.220
82.5	32.220	31.030	29.840	28.650	27.460	26.270	25.240	24.210	23.179	22.149
85.0	17.103	16.312	15.521	14.730	13.939	13.148	12.510	11.872	11.234	10.596
87.5	4.121	3.768	3.415	3.062	2.709	2.356	2.231	2.106	1.980	1.855
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	0.007	0.014	0.020	0.027
105.0	0.127	0.159	0.191	0.222	0.254	0.286	0.273	0.261	0.248	0.236
107.5	0.570	0.568	0.566	0.564	0.563	0.561	0.511	0.461	0.411	0.361
110.0	0.805	0.766	0.728	0.689	0.651	0.612	0.556	0.501	0.445	0.390
112.5	0.774	0.741	0.709	0.677	0.644	0.612	0.563	0.514	0.466	0.417
115.0	0.708	0.689	0.670	0.650	0.631	0.612	0.583	0.553	0.524	0.494
117.5	0.680	0.666	0.653	0.639	0.626	0.612	0.607	0.602	0.597	0.592
120.0	0.707	0.700	0.693	0.687	0.680	0.673	0.680	0.687	0.693	0.700
122.5	0.791	0.791	0.791	0.791	0.791	0.791	0.797	0.804	0.811	0.818
125.0	0.932	0.925	0.918	0.912	0.905	0.898	0.892	0.887	0.881	0.875
127.5	1.074	1.089	1.103	1.118	1.133	1.148	1.121	1.094	1.068	1.041
130.0	1.211	1.216	1.220	1.225	1.229	1.234	1.223	1.211	1.200	1.189
132.5	1.397	1.387	1.377	1.367	1.356	1.346	1.328	1.311	1.293	1.276
135.0	1.477	1.450	1.424	1.398	1.372	1.346	1.342	1.337	1.333	1.328
137.5	1.597	1.581	1.564	1.548	1.531	1.515	1.514	1.513	1.512	1.510
140.0	1.717	1.710	1.703	1.697	1.690	1.683	1.659	1.635	1.612	1.588
142.5	1.851	1.856	1.861	1.866	1.871	1.877	1.841	1.805	1.770	1.734
145.0	1.886	1.878	1.870	1.862	1.854	1.846	1.823	1.801	1.778	1.755
147.5	2.021	2.003	1.985	1.968	1.950	1.933	1.922	1.912	1.902	1.892
150.0	2.171	2.164	2.156	2.148	2.140	2.132	2.116	2.100	2.084	2.068
152.5	2.199	2.192	2.185	2.177	2.170	2.163	2.159	2.155	2.151	2.147
155.0	2.272	2.277	2.281	2.286	2.290	2.295	2.279	2.263	2.247	2.231
157.5	2.210	2.227	2.244	2.261	2.278	2.295	2.279	2.263	2.247	2.231
160.0	2.210	2.227	2.244	2.261	2.278	2.295	2.279	2.263	2.247	2.231
162.5	2.303	2.302	2.300	2.298	2.297	2.295	2.283	2.270	2.258	2.245
165.0	2.458	2.438	2.417	2.397	2.376	2.356	2.353	2.349	2.346	2.343
167.5	2.561	2.554	2.547	2.539	2.532	2.525	2.512	2.499	2.486	2.473
170.0	2.593	2.578	2.563	2.549	2.534	2.519	2.522	2.526	2.529	2.533
172.5	2.655	2.628	2.601	2.573	2.546	2.519	2.522	2.526	2.529	2.533
175.0	2.655	2.628	2.601	2.573	2.546	2.519	2.522	2.526	2.529	2.533
177.5	2.607	2.595	2.584	2.573	2.561	2.550	2.550	2.550	2.550	2.550
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

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	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1430.918	1430.472	1430.025	1429.579	1429.132	1428.716	1428.300	1427.884	1427.468	1427.052
5.0	1423.130	1422.560	1421.990	1421.420	1420.850	1419.654	1418.459	1417.263	1416.067	1414.872
7.5	1404.602	1403.574	1402.546	1401.518	1400.491	1399.705	1398.920	1398.134	1397.349	1396.564

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CANDELA TABULATION - (Cont.)

10.0	1386.772	1385.262	1383.752	1382.243	1380.733	1381.157	1381.581	1382.005	1382.429	1382.852
12.5	1371.814	1370.591	1369.368	1368.145	1366.923	1366.754	1366.586	1366.418	1366.249	1366.081
15.0	1351.873	1351.660	1351.447	1351.234	1351.021	1349.510	1347.999	1346.489	1344.978	1343.467
17.5	1329.024	1328.304	1327.583	1326.863	1326.143	1325.036	1323.930	1322.823	1321.716	1320.609
20.0	1305.076	1303.091	1301.105	1299.120	1297.134	1296.179	1295.223	1294.268	1293.312	1292.357
22.5	1280.271	1277.390	1274.509	1271.628	1268.747	1268.013	1267.278	1266.544	1265.809	1265.075
25.0	1246.580	1244.046	1241.512	1238.978	1236.444	1235.417	1234.390	1233.364	1232.337	1231.310
27.5	1213.280	1211.553	1209.825	1208.097	1206.370	1204.592	1202.814	1201.037	1199.259	1197.481
30.0	1177.705	1174.945	1172.185	1169.426	1166.666	1164.702	1162.738	1160.774	1158.810	1156.845
32.5	1138.306	1135.116	1131.925	1128.735	1125.545	1123.373	1121.202	1119.030	1116.859	1114.687
35.0	1096.198	1092.760	1089.321	1085.883	1082.444	1079.699	1076.954	1074.209	1071.464	1068.720
37.5	1050.614	1047.379	1044.143	1040.907	1037.672	1035.166	1032.661	1030.156	1027.651	1025.145
40.0	1002.012	999.134	996.257	993.379	990.502	987.280	984.058	980.836	977.614	974.391
42.5	946.194	943.738	941.282	938.826	936.370	933.318	930.266	927.214	924.162	921.110
45.0	885.538	883.436	881.334	879.231	877.129	873.633	870.136	866.640	863.144	859.647
47.5	819.170	816.905	814.640	812.375	810.110	806.491	802.873	799.255	795.637	792.019
50.0	752.211	750.010	747.809	745.608	743.407	739.126	734.846	730.565	726.284	722.004
52.5	677.105	674.235	671.366	668.496	665.627	660.693	655.759	650.825	645.891	640.957
55.0	595.614	591.576	587.538	583.500	579.462	573.726	567.990	562.255	556.519	550.783
57.5	507.152	502.450	497.749	493.047	488.345	481.960	475.575	469.190	462.804	456.419
60.0	418.982	413.396	407.809	402.223	396.637	390.668	384.699	378.729	372.760	366.791
62.5	339.049	332.933	326.816	320.700	314.583	309.473	304.363	299.253	294.142	289.032
65.0	269.346	263.204	257.063	250.921	244.780	240.447	236.114	231.782	227.449	223.116
67.5	209.102	203.378	197.654	191.930	186.206	182.465	178.725	174.984	171.244	167.503
70.0	157.620	152.507	147.395	142.282	137.170	134.099	131.027	127.956	124.885	121.813
72.5	115.810	111.625	107.441	103.257	99.073	96.599	94.126	91.652	89.179	86.705
75.0	82.205	78.989	75.773	72.556	69.340	67.468	65.595	63.723	61.851	59.978
77.5	55.826	53.493	51.159	48.826	46.492	45.196	43.900	42.604	41.308	40.012
80.0	35.578	33.936	32.293	30.651	29.009	28.182	27.354	26.527	25.700	24.872
82.5	21.119	20.089	19.058	18.028	16.998	16.491	15.985	15.478	14.972	14.465
85.0	9.957	9.319	8.681	8.043	7.405	7.168	6.931	6.694	6.457	6.221
87.5	1.730	1.605	1.479	1.354	1.229	1.312	1.394	1.477	1.560	1.643
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	0.034	0.041	0.047	0.054	0.061	0.054	0.047	0.041	0.034	0.027
105.0	0.223	0.211	0.198	0.186	0.173	0.154	0.135	0.115	0.096	0.077
107.5	0.312	0.262	0.212	0.162	0.112	0.100	0.087	0.075	0.062	0.050
110.0	0.334	0.279	0.223	0.168	0.112	0.106	0.101	0.095	0.089	0.084
112.5	0.368	0.319	0.271	0.222	0.173	0.182	0.191	0.200	0.209	0.219
115.0	0.465	0.435	0.406	0.376	0.347	0.340	0.333	0.327	0.320	0.313
117.5	0.586	0.581	0.576	0.571	0.566	0.544	0.522	0.500	0.478	0.456
120.0	0.707	0.714	0.720	0.727	0.734	0.709	0.684	0.659	0.634	0.610
122.5	0.825	0.832	0.838	0.845	0.852	0.859	0.866	0.872	0.879	0.886
125.0	0.870	0.864	0.858	0.853	0.847	0.873	0.899	0.925	0.951	0.977
127.5	1.014	0.988	0.961	0.935	0.908	0.949	0.991	1.032	1.074	1.115
130.0	1.177	1.166	1.155	1.143	1.132	1.164	1.196	1.227	1.259	1.291
132.5	1.258	1.241	1.223	1.206	1.188	1.246	1.304	1.362	1.419	1.477
135.0	1.324	1.319	1.315	1.310	1.306	1.363	1.419	1.476	1.533	1.589
137.5	1.509	1.508	1.507	1.506	1.505	1.549	1.593	1.637	1.681	1.726
140.0	1.564	1.540	1.517	1.493	1.469	1.527	1.585	1.642	1.700	1.758
142.5	1.698	1.663	1.627	1.591	1.556	1.604	1.652	1.700	1.748	1.796
145.0	1.733	1.710	1.687	1.665	1.642	1.681	1.719	1.758	1.796	1.835
147.5	1.882	1.872	1.862	1.852	1.842	1.864	1.886	1.908	1.930	1.952

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CANDELA TABULATION - (Cont.)

150.0	2.053	2.037	2.021	2.005	1.989	1.995	2.000	2.006	2.012	2.017
152.5	2.143	2.139	2.135	2.131	2.127	2.133	2.139	2.145	2.151	2.158
155.0	2.216	2.200	2.184	2.168	2.152	2.153	2.154	2.155	2.156	2.158
157.5	2.216	2.200	2.184	2.168	2.152	2.166	2.179	2.193	2.207	2.220
160.0	2.216	2.200	2.184	2.168	2.152	2.166	2.179	2.193	2.207	2.220
162.5	2.233	2.220	2.208	2.195	2.183	2.205	2.228	2.251	2.273	2.296
165.0	2.339	2.336	2.333	2.329	2.326	2.333	2.340	2.346	2.353	2.360
167.5	2.460	2.447	2.434	2.421	2.408	2.434	2.460	2.486	2.512	2.538
170.0	2.536	2.540	2.543	2.547	2.550	2.576	2.602	2.628	2.654	2.681
172.5	2.536	2.540	2.543	2.547	2.550	2.589	2.627	2.666	2.704	2.743
175.0	2.536	2.540	2.543	2.547	2.550	2.589	2.627	2.666	2.704	2.743
177.5	2.550	2.550	2.550	2.550	2.550	2.576	2.602	2.628	2.654	2.681
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

Vert. Angles **Horizontal Angles**

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1426.636	1426.220	1425.804	1425.389	1425.318	1425.248	1425.178	1425.108	1425.037	1424.967
5.0	1413.676	1412.480	1411.285	1410.089	1410.007	1409.926	1409.844	1409.762	1409.681	1409.599
7.5	1395.778	1394.993	1394.207	1393.422	1394.189	1394.957	1395.724	1396.491	1397.258	1398.026
10.0	1383.276	1383.700	1384.124	1384.548	1384.675	1384.802	1384.929	1385.056	1385.182	1385.309
12.5	1365.913	1365.744	1365.576	1365.408	1365.334	1365.261	1365.188	1365.115	1365.042	1364.969
15.0	1341.956	1340.446	1338.935	1337.424	1337.793	1338.163	1338.532	1338.902	1339.271	1339.641
17.5	1319.503	1318.396	1317.289	1316.183	1315.685	1315.187	1314.690	1314.192	1313.695	1313.197
20.0	1291.401	1290.446	1289.490	1288.535	1287.947	1287.359	1286.771	1286.183	1285.594	1285.006
22.5	1264.341	1263.606	1262.872	1262.138	1260.908	1259.679	1258.450	1257.221	1255.992	1254.763
25.0	1230.283	1229.257	1228.230	1227.203	1225.702	1224.202	1222.701	1221.201	1219.700	1218.200
27.5	1195.704	1193.926	1192.148	1190.371	1188.395	1186.420	1184.444	1182.469	1180.494	1178.518
30.0	1154.881	1152.917	1150.953	1148.989	1147.583	1146.176	1144.770	1143.363	1141.957	1140.550
32.5	1112.516	1110.344	1108.173	1106.002	1105.601	1105.200	1104.800	1104.399	1103.998	1103.598
35.0	1065.975	1063.230	1060.485	1057.740	1057.669	1057.597	1057.526	1057.454	1057.383	1057.311
37.5	1022.640	1020.135	1017.630	1015.125	1014.136	1013.147	1012.158	1011.169	1010.180	1009.192
40.0	971.169	967.947	964.725	961.503	960.696	959.889	959.082	958.275	957.469	956.662
42.5	918.058	915.006	911.954	908.902	907.327	905.753	904.179	902.605	901.030	899.456
45.0	856.151	852.655	849.158	845.662	844.182	842.702	841.221	839.741	838.261	836.781
47.5	788.401	784.782	781.164	777.546	775.384	773.221	771.059	768.896	766.734	764.572
50.0	717.723	713.442	709.162	704.881	701.132	697.383	693.634	689.885	686.136	682.387
52.5	636.023	631.089	626.155	621.221	616.937	612.654	608.370	604.087	599.804	595.520
55.0	545.047	539.312	533.576	527.840	523.664	519.487	515.311	511.135	506.958	502.782
57.5	450.034	443.649	437.264	430.878	427.439	424.000	420.561	417.122	413.683	410.244
60.0	360.822	354.852	348.883	342.914	340.132	337.349	334.567	331.785	329.002	326.220
62.5	283.922	278.812	273.702	268.592	266.146	263.701	261.256	258.811	256.366	253.921
65.0	218.783	214.451	210.118	205.785	203.665	201.544	199.424	197.303	195.183	193.062
67.5	163.763	160.022	156.282	152.541	150.802	149.063	147.324	145.585	143.845	142.106
70.0	118.742	115.671	112.599	109.528	108.197	106.867	105.536	104.206	102.875	101.545
72.5	84.232	81.758	79.285	76.812	75.897	74.982	74.068	73.153	72.238	71.324
75.0	58.106	56.234	54.361	52.489	51.868	51.247	50.626	50.005	49.384	48.763
77.5	38.716	37.420	36.124	34.828	34.366	33.905	33.444	32.983	32.521	32.060
80.0	24.045	23.218	22.390	21.563	21.280	20.996	20.713	20.430	20.146	19.863
82.5	13.958	13.452	12.945	12.439	12.298	12.158	12.017	11.877	11.736	11.596
85.0	5.984	5.747	5.510	5.273	5.230	5.187	5.144	5.101	5.058	5.015
87.5	1.725	1.808	1.891	1.974	1.991	2.008	2.025	2.042	2.059	2.076
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

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CANDELA TABULATION - (Cont.)

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	0.020	0.014	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.058	0.038	0.019	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.037	0.025	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.078	0.072	0.067	0.061	0.054	0.047	0.041	0.034	0.027	0.020
112.5	0.228	0.237	0.246	0.255	0.240	0.224	0.209	0.194	0.178	0.163
115.0	0.306	0.300	0.293	0.286	0.279	0.272	0.265	0.258	0.252	0.245
117.5	0.434	0.412	0.390	0.368	0.374	0.381	0.388	0.395	0.401	0.408
120.0	0.585	0.560	0.535	0.510	0.504	0.499	0.493	0.487	0.482	0.476
122.5	0.893	0.899	0.906	0.913	0.907	0.901	0.894	0.888	0.882	0.876
125.0	1.003	1.029	1.055	1.081	1.100	1.120	1.139	1.158	1.178	1.197
127.5	1.156	1.198	1.239	1.281	1.290	1.300	1.309	1.319	1.329	1.338
130.0	1.323	1.354	1.386	1.418	1.432	1.445	1.459	1.472	1.486	1.499
132.5	1.535	1.593	1.651	1.709	1.709	1.709	1.709	1.709	1.709	1.709
135.0	1.646	1.703	1.759	1.816	1.817	1.818	1.819	1.820	1.822	1.823
137.5	1.770	1.814	1.858	1.903	1.909	1.916	1.923	1.930	1.936	1.943
140.0	1.816	1.873	1.931	1.989	1.996	2.003	2.009	2.016	2.023	2.030
142.5	1.845	1.893	1.941	1.989	1.999	2.008	2.018	2.027	2.037	2.047
145.0	1.873	1.912	1.950	1.989	2.003	2.016	2.030	2.043	2.057	2.070
147.5	1.974	1.996	2.018	2.040	2.048	2.056	2.064	2.072	2.079	2.087
150.0	2.023	2.029	2.034	2.040	2.048	2.056	2.064	2.072	2.079	2.087
152.5	2.164	2.170	2.176	2.183	2.177	2.172	2.167	2.162	2.157	2.152
155.0	2.159	2.160	2.161	2.162	2.162	2.162	2.162	2.162	2.162	2.162
157.5	2.234	2.248	2.261	2.275	2.269	2.264	2.258	2.252	2.247	2.241
160.0	2.234	2.248	2.261	2.275	2.275	2.275	2.275	2.275	2.275	2.275
162.5	2.319	2.342	2.364	2.387	2.375	2.362	2.350	2.337	2.325	2.312
165.0	2.367	2.373	2.380	2.387	2.375	2.362	2.350	2.337	2.325	2.312
167.5	2.564	2.590	2.616	2.642	2.614	2.587	2.560	2.533	2.506	2.479
170.0	2.707	2.733	2.759	2.785	2.799	2.812	2.826	2.839	2.853	2.866
172.5	2.781	2.820	2.858	2.897	2.898	2.899	2.900	2.901	2.903	2.904
175.0	2.781	2.820	2.858	2.897	2.904	2.911	2.917	2.924	2.931	2.938
177.5	2.707	2.733	2.759	2.785	2.777	2.768	2.760	2.751	2.743	2.734
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

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	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1424.897	1424.827	1424.757	1424.885	1425.014	1425.142	1425.271	1425.400	1425.528	1425.657
5.0	1409.517	1409.436	1409.354	1409.634	1409.914	1410.194	1410.474	1410.754	1411.034	1411.314
7.5	1398.793	1399.560	1400.328	1399.549	1398.771	1397.993	1397.215	1396.437	1395.659	1394.881
10.0	1385.436	1385.563	1385.690	1384.898	1384.106	1383.314	1382.522	1381.729	1380.937	1380.145
12.5	1364.896	1364.823	1364.750	1363.991	1363.231	1362.472	1361.713	1360.953	1360.194	1359.435
15.0	1340.010	1340.380	1340.749	1339.758	1338.768	1337.777	1336.787	1335.796	1334.806	1333.815
17.5	1312.700	1312.202	1311.705	1310.835	1309.965	1309.095	1308.225	1307.355	1306.486	1305.616
20.0	1284.418	1283.830	1283.242	1282.659	1282.077	1281.494	1280.912	1280.329	1279.747	1279.164
22.5	1253.534	1252.305	1251.076	1250.924	1250.772	1250.620	1250.468	1250.317	1250.165	1250.013
25.0	1216.699	1215.199	1213.698	1214.175	1214.652	1215.129	1215.606	1216.084	1216.561	1217.038
27.5	1176.543	1174.567	1172.592	1173.300	1174.008	1174.715	1175.423	1176.131	1176.839	1177.546
30.0	1139.144	1137.737	1136.331	1136.540	1136.748	1136.957	1137.165	1137.374	1137.582	1137.791
32.5	1103.197	1102.796	1102.396	1102.046	1101.696	1101.347	1100.997	1100.647	1100.298	1099.948
35.0	1057.240	1057.168	1057.097	1056.707	1056.317	1055.928	1055.538	1055.148	1054.758	1054.369
37.5	1008.203	1007.214	1006.225	1006.472	1006.718	1006.965	1007.211	1007.458	1007.704	1007.951
40.0	955.855	955.048	954.241	954.451	954.660	954.870	955.080	955.289	955.499	955.709
42.5	897.882	896.308	894.734	895.038	895.342	895.647	895.951	896.255	896.560	896.864

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

45.0	835.300	833.820	832.340	832.687	833.034	833.381	833.728	834.074	834.421	834.768
47.5	762.409	760.247	758.085	759.293	760.502	761.711	762.919	764.128	765.337	766.545
50.0	678.638	674.889	671.140	673.784	676.428	679.072	681.716	684.360	687.004	689.648
52.5	591.237	586.953	582.670	585.142	587.615	590.087	592.559	595.032	597.504	599.976
55.0	498.606	494.429	490.253	492.338	494.424	496.509	498.594	500.680	502.765	504.850
57.5	406.805	403.366	399.927	401.635	403.344	405.052	406.761	408.469	410.178	411.886
60.0	323.438	320.655	317.873	319.291	320.709	322.126	323.544	324.962	326.380	327.797
62.5	251.475	249.030	246.585	248.055	249.525	250.995	252.465	253.934	255.404	256.874
65.0	190.942	188.821	186.701	188.004	189.308	190.611	191.914	193.218	194.521	195.824
67.5	140.367	138.628	136.889	138.003	139.116	140.230	141.343	142.457	143.570	144.684
70.0	100.214	98.884	97.553	98.463	99.373	100.283	101.193	102.103	103.013	103.923
72.5	70.409	69.494	68.580	69.253	69.926	70.599	71.272	71.946	72.619	73.292
75.0	48.142	47.521	46.900	47.402	47.904	48.406	48.908	49.410	49.912	50.414
77.5	31.599	31.138	30.677	31.047	31.417	31.787	32.157	32.527	32.897	33.267
80.0	19.580	19.296	19.013	19.235	19.457	19.679	19.901	20.124	20.346	20.568
82.5	11.455	11.315	11.174	11.311	11.448	11.585	11.722	11.860	11.997	12.134
85.0	4.972	4.929	4.886	4.910	4.934	4.957	4.981	5.005	5.029	5.052
87.5	2.093	2.110	2.127	2.091	2.054	2.018	1.982	1.946	1.909	1.873
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	0.014	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.148	0.132	0.117	0.116	0.116	0.115	0.115	0.114	0.114	0.113
115.0	0.238	0.231	0.224	0.224	0.224	0.224	0.224	0.224	0.224	0.224
117.5	0.415	0.422	0.429	0.416	0.403	0.390	0.377	0.364	0.351	0.338
120.0	0.470	0.465	0.459	0.452	0.445	0.439	0.432	0.425	0.418	0.412
122.5	0.869	0.863	0.857	0.850	0.843	0.837	0.830	0.823	0.816	0.810
125.0	1.216	1.236	1.255	1.229	1.203	1.177	1.151	1.124	1.098	1.072
127.5	1.348	1.357	1.367	1.341	1.316	1.290	1.265	1.239	1.214	1.188
130.0	1.513	1.526	1.540	1.514	1.488	1.462	1.436	1.410	1.384	1.358
132.5	1.709	1.709	1.709	1.702	1.695	1.688	1.681	1.675	1.668	1.661
135.0	1.824	1.825	1.826	1.832	1.837	1.843	1.849	1.854	1.860	1.866
137.5	1.950	1.957	1.964	1.957	1.950	1.943	1.936	1.930	1.923	1.916
140.0	2.036	2.043	2.050	2.036	2.023	2.009	1.996	1.982	1.969	1.955
142.5	2.056	2.066	2.076	2.069	2.062	2.055	2.048	2.042	2.035	2.028
145.0	2.084	2.097	2.111	2.110	2.109	2.108	2.107	2.105	2.104	2.103
147.5	2.095	2.103	2.111	2.123	2.135	2.147	2.159	2.171	2.183	2.195
150.0	2.095	2.103	2.111	2.122	2.134	2.145	2.156	2.168	2.179	2.190
152.5	2.147	2.142	2.137	2.145	2.154	2.162	2.171	2.179	2.188	2.196
155.0	2.162	2.162	2.162	2.168	2.173	2.179	2.185	2.190	2.196	2.202
157.5	2.235	2.230	2.224	2.223	2.222	2.220	2.219	2.218	2.217	2.215
160.0	2.275	2.275	2.275	2.275	2.275	2.275	2.275	2.275	2.275	2.275
162.5	2.300	2.287	2.275	2.274	2.274	2.273	2.273	2.272	2.271	2.271
165.0	2.300	2.287	2.275	2.268	2.261	2.254	2.247	2.241	2.234	2.227
167.5	2.451	2.424	2.397	2.396	2.395	2.394	2.393	2.391	2.390	2.389
170.0	2.880	2.893	2.907	2.893	2.880	2.866	2.853	2.839	2.826	2.812
172.5	2.905	2.906	2.907	2.918	2.930	2.941	2.952	2.964	2.975	2.986
175.0	2.944	2.951	2.958	2.964	2.969	2.975	2.981	2.986	2.992	2.998
177.5	2.726	2.717	2.709	2.729	2.749	2.770	2.790	2.810	2.831	2.851
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

IES ROAD 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	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1425.785	1425.914	1426.780	1427.646	1428.512	1429.378	1430.243	1431.109	1431.975	1432.841
5.0	1411.594	1411.874	1413.733	1415.591	1417.450	1419.309	1421.167	1423.026	1424.885	1426.743
7.5	1394.103	1393.325	1395.778	1398.230	1400.683	1403.135	1405.588	1408.040	1410.493	1412.945
10.0	1379.353	1378.561	1380.363	1382.165	1383.967	1385.769	1387.571	1389.373	1391.175	1392.977
12.5	1358.675	1357.916	1359.846	1361.775	1363.705	1365.634	1367.564	1369.493	1371.423	1373.352
15.0	1332.825	1331.834	1333.839	1335.844	1337.849	1339.854	1341.858	1343.863	1345.868	1347.873
17.5	1304.746	1303.876	1305.823	1307.770	1309.717	1311.664	1313.612	1315.559	1317.506	1319.453
20.0	1278.582	1277.999	1279.691	1281.383	1283.075	1284.767	1286.459	1288.151	1289.843	1291.535
22.5	1249.861	1249.709	1251.519	1253.329	1255.139	1256.949	1258.759	1260.569	1262.379	1264.189
25.0	1217.515	1217.992	1219.835	1221.678	1223.520	1225.363	1227.206	1229.049	1230.891	1232.734
27.5	1178.254	1178.962	1180.979	1182.996	1185.012	1187.029	1189.046	1191.063	1193.079	1195.096
30.0	1137.999	1138.208	1140.504	1142.800	1145.096	1147.392	1149.689	1151.985	1154.281	1156.577
32.5	1099.599	1099.249	1101.243	1103.237	1105.231	1107.225	1109.219	1111.213	1113.207	1115.201
35.0	1053.979	1053.589	1056.425	1059.260	1062.096	1064.931	1067.767	1070.602	1073.438	1076.273
37.5	1008.197	1008.444	1011.568	1014.692	1017.816	1020.940	1024.064	1027.188	1030.312	1033.436
40.0	955.918	956.128	959.241	962.354	965.468	968.581	971.694	974.807	977.921	981.034
42.5	897.168	897.473	900.989	904.506	908.023	911.539	915.056	918.573	922.090	925.606
45.0	835.115	835.462	839.092	842.722	846.352	849.982	853.612	857.242	860.872	864.502
47.5	767.754	768.963	772.760	776.557	780.354	784.151	787.949	791.746	795.543	799.340
50.0	692.292	694.936	698.943	702.951	706.958	710.966	714.973	718.981	722.988	726.996
52.5	602.449	604.921	609.694	614.466	619.239	624.011	628.784	633.556	638.329	643.101
55.0	506.936	509.021	514.488	519.955	525.423	530.890	536.357	541.824	547.292	552.759
57.5	413.594	415.303	420.933	426.563	432.193	437.822	443.452	449.082	454.712	460.342
60.0	329.215	330.633	335.829	341.026	346.222	351.418	356.615	361.811	367.007	372.204
62.5	258.344	259.814	264.281	268.748	273.215	277.682	282.149	286.616	291.083	295.550
65.0	197.128	198.431	202.372	206.312	210.253	214.193	218.134	222.074	226.015	229.955
67.5	145.797	146.911	150.304	153.698	157.092	160.486	163.879	167.273	170.667	174.061
70.0	104.833	105.743	108.570	111.396	114.223	117.049	119.876	122.702	125.529	128.355
72.5	73.965	74.639	76.952	79.265	81.578	83.891	86.204	88.518	90.831	93.144
75.0	50.916	51.418	53.189	54.961	56.732	58.504	60.275	62.047	63.818	65.590
77.5	33.637	34.007	35.274	36.541	37.808	39.075	40.342	41.609	42.876	44.143
80.0	20.790	21.012	21.865	22.719	23.572	24.426	25.279	26.133	26.986	27.840
82.5	12.271	12.408	12.894	13.379	13.865	14.351	14.836	15.322	15.808	16.293
85.0	5.076	5.100	5.313	5.526	5.739	5.952	6.166	6.379	6.592	6.805
87.5	1.837	1.801	1.706	1.611	1.517	1.422	1.327	1.233	1.138	1.043
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	0.010	0.019	0.029	0.038	0.048	0.058	0.067	0.077
105.0	0.000	0.000	0.012	0.025	0.037	0.050	0.062	0.075	0.087	0.100
107.5	0.000	0.000	0.012	0.025	0.037	0.050	0.062	0.075	0.087	0.100
110.0	0.000	0.000	0.012	0.025	0.037	0.050	0.062	0.075	0.087	0.100
112.5	0.113	0.112	0.115	0.119	0.122	0.126	0.129	0.132	0.136	0.139
115.0	0.224	0.224	0.237	0.249	0.262	0.274	0.287	0.299	0.312	0.324
117.5	0.325	0.312	0.327	0.343	0.359	0.375	0.391	0.407	0.422	0.438
120.0	0.405	0.398	0.410	0.423	0.435	0.448	0.460	0.473	0.485	0.498
122.5	0.803	0.796	0.777	0.757	0.738	0.719	0.699	0.680	0.661	0.641
125.0	1.046	1.020	1.001	0.982	0.962	0.943	0.924	0.905	0.885	0.866
127.5	1.163	1.137	1.112	1.086	1.061	1.035	1.010	0.984	0.959	0.933
130.0	1.332	1.306	1.281	1.256	1.231	1.206	1.181	1.156	1.131	1.106

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

132.5	1.654	1.648	1.597	1.547	1.496	1.446	1.395	1.345	1.294	1.244
135.0	1.871	1.877	1.814	1.750	1.687	1.623	1.560	1.496	1.433	1.369
137.5	1.909	1.903	1.836	1.770	1.704	1.637	1.571	1.505	1.439	1.372
140.0	1.942	1.928	1.865	1.801	1.738	1.674	1.611	1.547	1.484	1.420
142.5	2.021	2.015	1.948	1.882	1.816	1.749	1.683	1.617	1.551	1.484
145.0	2.102	2.101	2.069	2.038	2.006	1.974	1.943	1.911	1.879	1.848
147.5	2.207	2.219	2.202	2.186	2.169	2.153	2.136	2.120	2.103	2.087
150.0	2.202	2.213	2.206	2.199	2.193	2.186	2.179	2.172	2.166	2.159
152.5	2.205	2.213	2.206	2.199	2.193	2.186	2.179	2.172	2.166	2.159
155.0	2.207	2.213	2.213	2.213	2.213	2.213	2.213	2.213	2.213	2.213
157.5	2.214	2.213	2.201	2.188	2.176	2.163	2.151	2.138	2.126	2.113
160.0	2.275	2.275	2.256	2.236	2.217	2.198	2.178	2.159	2.140	2.120
162.5	2.270	2.270	2.251	2.232	2.213	2.195	2.176	2.157	2.138	2.120
165.0	2.220	2.213	2.201	2.188	2.176	2.163	2.151	2.138	2.126	2.113
167.5	2.388	2.387	2.387	2.387	2.387	2.387	2.387	2.387	2.387	2.387
170.0	2.799	2.785	2.778	2.771	2.764	2.757	2.751	2.744	2.737	2.730
172.5	2.998	3.009	2.999	2.990	2.980	2.971	2.961	2.951	2.942	2.932
175.0	3.003	3.009	2.983	2.957	2.931	2.905	2.878	2.852	2.826	2.800
177.5	2.872	2.892	2.861	2.830	2.798	2.767	2.736	2.705	2.673	2.642
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

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	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1433.707	1433.311	1432.915	1432.519	1432.123	1431.726	1431.330	1430.934	1430.538	1430.142
5.0	1428.602	1427.910	1427.217	1426.525	1425.832	1425.140	1424.447	1423.755	1423.062	1422.370
7.5	1415.398	1415.179	1414.961	1414.742	1414.523	1414.304	1414.086	1413.867	1413.648	1413.430
10.0	1394.779	1394.935	1395.092	1395.248	1395.404	1395.561	1395.717	1395.873	1396.030	1396.186
12.5	1375.282	1376.528	1377.774	1379.020	1380.266	1381.512	1382.758	1384.004	1385.250	1386.496
15.0	1349.878	1351.478	1353.079	1354.679	1356.279	1357.880	1359.480	1361.080	1362.681	1364.281
17.5	1321.400	1323.804	1326.208	1328.611	1331.015	1333.419	1335.823	1338.226	1340.630	1343.034
20.0	1293.227	1296.166	1299.105	1302.043	1304.982	1307.921	1310.860	1313.798	1316.737	1319.676
22.5	1265.999	1269.116	1272.233	1275.350	1278.467	1281.585	1284.702	1287.819	1290.936	1294.054
25.0	1234.577	1237.458	1240.339	1243.220	1246.101	1248.982	1251.863	1254.744	1257.625	1260.506
27.5	1197.113	1200.633	1204.152	1207.672	1211.191	1214.711	1218.230	1221.750	1225.269	1228.789
30.0	1158.873	1162.536	1166.199	1169.862	1173.525	1177.187	1180.850	1184.513	1188.176	1191.839
32.5	1117.196	1120.449	1123.703	1126.957	1130.211	1133.465	1136.719	1139.972	1143.226	1146.480
35.0	1079.109	1082.055	1085.000	1087.946	1090.891	1093.837	1096.782	1099.728	1102.673	1105.619
37.5	1036.560	1039.502	1042.445	1045.388	1048.330	1051.273	1054.216	1057.159	1060.101	1063.044
40.0	984.147	987.615	991.083	994.551	998.019	1001.487	1004.955	1008.423	1011.891	1015.359
42.5	929.123	932.214	935.304	938.395	941.485	944.576	947.667	950.757	953.848	956.939
45.0	868.132	871.535	874.939	878.342	881.746	885.149	888.553	891.956	895.360	898.763
47.5	803.138	807.106	811.074	815.043	819.011	822.980	826.948	830.917	834.885	838.854
50.0	731.003	735.116	739.229	743.342	747.455	751.567	755.680	759.793	763.906	768.019
52.5	647.874	652.750	657.627	662.504	667.380	672.257	677.134	682.011	686.887	691.764
55.0	558.226	563.954	569.682	575.409	581.137	586.865	592.593	598.320	604.048	609.776
57.5	465.972	472.066	478.160	484.254	490.347	496.441	502.535	508.629	514.723	520.817
60.0	377.400	383.897	390.395	396.892	403.390	409.887	416.385	422.882	429.380	435.877
62.5	300.018	306.486	312.955	319.423	325.892	332.360	338.829	345.297	351.766	358.234
65.0	233.896	239.998	246.100	252.202	258.304	264.405	270.507	276.609	282.711	288.813
67.5	177.455	183.012	188.569	194.126	199.684	205.241	210.798	216.355	221.913	227.470
70.0	131.182	136.049	140.915	145.782	150.648	155.515	160.381	165.248	170.114	174.981
72.5	95.457	99.430	103.403	107.376	111.348	115.321	119.294	123.267	127.240	131.213
75.0	67.361	70.433	73.506	76.578	79.651	82.723	85.796	88.868	91.941	95.013
77.5	45.410	47.642	49.874	52.107	54.339	56.571	58.803	61.035	63.267	65.500

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

80.0	28.693	30.268	31.844	33.419	34.994	36.570	38.145	39.720	41.296	42.871
82.5	16.779	17.783	18.786	19.790	20.793	21.797	22.800	23.804	24.807	25.811
85.0	7.018	7.620	8.222	8.823	9.425	10.027	10.629	11.230	11.832	12.434
87.5	0.949	1.008	1.068	1.127	1.187	1.246	1.306	1.365	1.425	1.484
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	0.087	0.077	0.067	0.058	0.048	0.038	0.029	0.019	0.010	0.000
105.0	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112	0.112
107.5	0.112	0.166	0.220	0.274	0.327	0.381	0.435	0.489	0.543	0.597
110.0	0.112	0.169	0.225	0.282	0.339	0.395	0.452	0.509	0.565	0.622
112.5	0.143	0.196	0.249	0.302	0.356	0.409	0.462	0.515	0.569	0.622
115.0	0.337	0.363	0.389	0.415	0.441	0.467	0.493	0.519	0.545	0.571
117.5	0.454	0.467	0.480	0.493	0.506	0.519	0.532	0.545	0.558	0.571
120.0	0.510	0.522	0.535	0.547	0.560	0.572	0.585	0.597	0.610	0.622
122.5	0.622	0.634	0.647	0.659	0.672	0.684	0.697	0.709	0.722	0.734
125.0	0.847	0.859	0.872	0.884	0.897	0.909	0.922	0.934	0.947	0.959
127.5	0.908	0.917	0.926	0.935	0.944	0.953	0.962	0.971	0.980	0.990
130.0	1.081	1.087	1.092	1.098	1.104	1.109	1.115	1.121	1.126	1.132
132.5	1.193	1.203	1.212	1.222	1.232	1.242	1.251	1.261	1.271	1.281
135.0	1.306	1.318	1.331	1.343	1.356	1.368	1.381	1.393	1.406	1.418
137.5	1.306	1.328	1.349	1.371	1.392	1.414	1.435	1.457	1.478	1.500
140.0	1.357	1.389	1.420	1.452	1.484	1.515	1.547	1.579	1.610	1.642
142.5	1.418	1.455	1.493	1.530	1.567	1.605	1.642	1.679	1.717	1.754
145.0	1.816	1.809	1.802	1.795	1.788	1.782	1.775	1.768	1.761	1.754
147.5	2.071	2.048	2.025	2.003	1.980	1.957	1.935	1.912	1.890	1.867
150.0	2.152	2.140	2.127	2.115	2.102	2.090	2.077	2.065	2.052	2.040
152.5	2.152	2.145	2.138	2.132	2.125	2.118	2.111	2.105	2.098	2.091
155.0	2.213	2.212	2.211	2.210	2.209	2.207	2.206	2.205	2.204	2.203
157.5	2.101	2.107	2.112	2.118	2.124	2.129	2.135	2.141	2.146	2.152
160.0	2.101	2.126	2.151	2.176	2.201	2.226	2.251	2.276	2.301	2.326
162.5	2.101	2.132	2.163	2.195	2.226	2.257	2.288	2.320	2.351	2.382
165.0	2.101	2.132	2.162	2.193	2.224	2.254	2.285	2.316	2.346	2.377
167.5	2.387	2.418	2.448	2.479	2.509	2.540	2.570	2.601	2.631	2.662
170.0	2.723	2.748	2.773	2.798	2.823	2.848	2.873	2.898	2.923	2.948
172.5	2.923	2.947	2.971	2.996	3.020	3.044	3.069	3.093	3.117	3.142
175.0	2.774	2.818	2.862	2.907	2.951	2.995	3.039	3.084	3.128	3.172
177.5	2.611	2.664	2.716	2.769	2.822	2.875	2.927	2.980	3.033	3.086
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

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	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1430.738	1431.333	1431.929	1432.524	1433.120	1433.715	1434.311	1434.906	1435.502	1435.214
5.0	1423.593	1424.816	1426.038	1427.261	1428.484	1429.707	1430.929	1432.152	1433.375	1432.455
7.5	1414.851	1416.272	1417.693	1419.114	1420.535	1421.957	1423.378	1424.799	1426.220	1424.629
10.0	1397.895	1399.604	1401.313	1403.022	1404.732	1406.441	1408.150	1409.859	1411.568	1410.006
12.5	1387.375	1388.254	1389.133	1390.012	1390.891	1391.770	1392.649	1393.528	1394.407	1393.944
15.0	1366.543	1368.805	1371.067	1373.329	1375.592	1377.854	1380.116	1382.378	1384.640	1384.486
17.5	1346.143	1349.253	1352.362	1355.471	1358.581	1361.690	1364.799	1367.909	1371.018	1371.487
20.0	1323.202	1326.728	1330.253	1333.779	1337.305	1340.831	1344.356	1347.882	1351.408	1351.785
22.5	1297.594	1301.135	1304.675	1308.216	1311.756	1315.297	1318.837	1322.378	1325.919	1326.626
25.0	1264.676	1268.845	1273.015	1277.184	1281.354	1285.523	1289.693	1293.862	1298.032	1298.804

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

27.5	1233.347	1237.906	1242.465	1247.024	1251.583	1256.142	1260.701	1265.260	1269.819	1271.178
30.0	1196.920	1202.001	1207.081	1212.162	1217.243	1222.324	1227.404	1232.485	1237.566	1239.701
32.5	1152.120	1157.759	1163.399	1169.038	1174.678	1180.317	1185.957	1191.596	1197.236	1200.369
35.0	1111.217	1116.814	1122.412	1128.009	1133.607	1139.204	1144.802	1150.399	1155.997	1159.545
37.5	1068.322	1073.600	1078.878	1084.156	1089.434	1094.712	1099.990	1105.268	1110.546	1114.302
40.0	1020.431	1025.502	1030.574	1035.646	1040.717	1045.789	1050.861	1055.932	1061.004	1065.430
42.5	962.537	968.135	973.733	979.331	984.929	990.527	996.125	1001.723	1007.322	1012.548
45.0	904.055	909.346	914.638	919.929	925.221	930.512	935.804	941.095	946.387	952.943
47.5	843.977	849.101	854.225	859.349	864.472	869.596	874.720	879.844	884.968	891.207
50.0	773.307	778.595	783.883	789.171	794.460	799.748	805.036	810.324	815.612	822.311
52.5	697.527	703.290	709.053	714.816	720.579	726.342	732.105	737.868	743.631	750.378
55.0	616.067	622.358	628.650	634.941	641.232	647.523	653.815	660.106	666.397	673.218
57.5	527.417	534.017	540.617	547.217	553.817	560.417	567.016	573.616	580.216	587.471
60.0	442.106	448.335	454.563	460.792	467.021	473.250	479.478	485.707	491.936	498.770
62.5	364.336	370.438	376.540	382.642	388.743	394.845	400.947	407.049	413.151	419.280
65.0	294.448	300.083	305.718	311.353	316.987	322.622	328.257	333.892	339.527	344.830
67.5	232.487	237.503	242.520	247.537	252.554	257.570	262.587	267.604	272.621	277.005
70.0	179.328	183.676	188.023	192.371	196.718	201.066	205.413	209.761	214.108	217.425
72.5	134.710	138.208	141.705	145.203	148.700	152.198	155.695	159.193	162.690	165.128
75.0	97.683	100.353	103.023	105.693	108.364	111.034	113.704	116.374	119.044	120.711
77.5	67.461	69.423	71.385	73.347	75.308	77.270	79.232	81.194	83.156	84.211
80.0	44.212	45.552	46.893	48.234	49.574	50.915	52.256	53.596	54.937	55.456
82.5	26.748	27.686	28.623	29.560	30.497	31.435	32.372	33.309	34.247	34.431
85.0	13.070	13.706	14.341	14.977	15.613	16.249	16.884	17.520	18.156	18.114
87.5	1.704	1.924	2.144	2.363	2.583	2.803	3.023	3.243	3.463	3.456
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	0.100	0.087	0.075	0.062	0.050	0.037	0.025	0.012	0.000	0.000
107.5	0.530	0.464	0.398	0.331	0.265	0.199	0.133	0.066	0.000	0.000
110.0	0.615	0.608	0.602	0.595	0.588	0.581	0.575	0.568	0.561	0.554
112.5	0.697	0.772	0.846	0.921	0.996	1.071	1.145	1.220	1.295	1.232
115.0	0.658	0.746	0.833	0.920	1.008	1.095	1.182	1.270	1.357	1.287
117.5	0.667	0.763	0.859	0.954	1.050	1.146	1.242	1.338	1.434	1.361
120.0	0.704	0.785	0.867	0.949	1.030	1.112	1.194	1.275	1.357	1.293
122.5	0.766	0.798	0.829	0.861	0.893	0.925	0.956	0.988	1.020	0.985
125.0	0.952	0.945	0.939	0.932	0.925	0.918	0.912	0.905	0.898	0.873
127.5	0.986	0.982	0.978	0.974	0.970	0.966	0.962	0.958	0.954	0.923
130.0	1.120	1.107	1.095	1.082	1.070	1.057	1.045	1.032	1.020	0.981
132.5	1.292	1.303	1.315	1.326	1.337	1.349	1.360	1.371	1.383	1.319
135.0	1.417	1.416	1.415	1.414	1.412	1.411	1.410	1.409	1.408	1.351
137.5	1.502	1.504	1.506	1.509	1.511	1.513	1.515	1.518	1.520	1.463
140.0	1.628	1.615	1.601	1.588	1.574	1.561	1.547	1.534	1.520	1.470
142.5	1.728	1.702	1.676	1.650	1.624	1.598	1.572	1.546	1.520	1.469
145.0	1.728	1.702	1.676	1.650	1.624	1.598	1.572	1.546	1.520	1.476
147.5	1.838	1.809	1.780	1.751	1.722	1.693	1.664	1.635	1.607	1.556
150.0	2.001	1.963	1.924	1.886	1.847	1.809	1.770	1.732	1.693	1.635
152.5	2.040	1.989	1.938	1.887	1.836	1.785	1.734	1.683	1.632	1.591
155.0	2.140	2.076	2.013	1.949	1.886	1.822	1.759	1.695	1.632	1.606
157.5	2.094	2.036	1.979	1.921	1.863	1.805	1.748	1.690	1.632	1.613
160.0	2.249	2.172	2.095	2.018	1.940	1.863	1.786	1.709	1.632	1.613
162.5	2.308	2.235	2.161	2.087	2.013	1.940	1.866	1.792	1.719	1.702
165.0	2.319	2.261	2.203	2.145	2.088	2.030	1.972	1.914	1.856	1.842

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

167.5	2.586	2.509	2.433	2.356	2.280	2.203	2.127	2.050	1.974	1.966
170.0	2.858	2.769	2.679	2.590	2.500	2.411	2.321	2.232	2.142	2.147
172.5	3.037	2.933	2.829	2.724	2.620	2.516	2.412	2.307	2.203	2.204
175.0	3.076	2.979	2.883	2.787	2.690	2.594	2.498	2.401	2.305	2.298
177.5	2.999	2.913	2.827	2.741	2.655	2.569	2.482	2.396	2.310	2.321
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

Vert. Angles **Horizontal Angles**

	<u>275.0</u>	<u>277.5</u>	<u>280.0</u>	<u>282.5</u>	<u>285.0</u>	<u>287.5</u>	<u>290.0</u>	<u>292.5</u>	<u>295.0</u>	<u>297.5</u>
0.0	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1434.925	1434.637	1434.348	1434.060	1433.771	1433.483	1433.194	1432.906	1433.977	1435.048
5.0	1431.535	1430.614	1429.694	1428.774	1427.854	1426.933	1426.013	1425.093	1426.935	1428.776
7.5	1423.038	1421.447	1419.855	1418.264	1416.673	1415.082	1413.491	1411.900	1414.631	1417.362
10.0	1408.444	1406.883	1405.321	1403.759	1402.197	1400.636	1399.074	1397.512	1401.947	1406.382
12.5	1393.481	1393.018	1392.555	1392.092	1391.629	1391.166	1390.703	1390.240	1394.981	1399.722
15.0	1384.332	1384.178	1384.024	1383.869	1383.715	1383.561	1383.407	1383.253	1387.187	1391.121
17.5	1371.956	1372.426	1372.895	1373.364	1373.833	1374.302	1374.771	1375.241	1378.178	1381.116
20.0	1352.163	1352.540	1352.918	1353.295	1353.673	1354.050	1354.428	1354.805	1357.407	1360.009
22.5	1327.333	1328.040	1328.747	1329.454	1330.162	1330.869	1331.576	1332.283	1335.223	1338.163
25.0	1299.576	1300.347	1301.119	1301.891	1302.663	1303.434	1304.206	1304.978	1309.451	1313.924
27.5	1272.537	1273.897	1275.256	1276.615	1277.975	1279.334	1280.694	1282.053	1286.906	1291.759
30.0	1241.836	1243.972	1246.107	1248.242	1250.377	1252.513	1254.648	1256.783	1261.515	1266.246
32.5	1203.503	1206.636	1209.770	1212.904	1216.037	1219.171	1222.304	1225.438	1229.608	1233.778
35.0	1163.094	1166.642	1170.191	1173.739	1177.288	1180.836	1184.385	1187.933	1191.990	1196.048
37.5	1118.058	1121.815	1125.571	1129.327	1133.084	1136.840	1140.597	1144.353	1149.105	1153.857
40.0	1069.855	1074.281	1078.707	1083.132	1087.558	1091.984	1096.409	1100.835	1106.059	1111.282
42.5	1017.775	1023.002	1028.229	1033.456	1038.683	1043.910	1049.137	1054.364	1060.292	1066.221
45.0	959.500	966.056	972.612	979.169	985.725	992.281	998.838	1005.394	1011.191	1016.988
47.5	897.447	903.686	909.926	916.165	922.405	928.644	934.884	941.123	948.184	955.244
50.0	829.010	835.710	842.409	849.108	855.807	862.507	869.206	875.905	883.591	891.277
52.5	757.124	763.871	770.618	777.365	784.111	790.858	797.605	804.352	812.522	820.693
55.0	680.040	686.861	693.683	700.504	707.326	714.147	720.969	727.790	735.618	743.446
57.5	594.725	601.980	609.234	616.489	623.743	630.998	638.252	645.507	652.172	658.837
60.0	505.604	512.438	519.272	526.106	532.940	539.774	546.608	553.442	559.301	565.161
62.5	425.409	431.538	437.667	443.796	449.925	456.054	462.183	468.313	472.009	475.705
65.0	350.133	355.436	360.739	366.041	371.344	376.647	381.950	387.253	388.500	389.746
67.5	281.389	285.773	290.158	294.542	298.926	303.310	307.695	312.079	312.074	312.069
70.0	220.743	224.060	227.377	230.695	234.012	237.329	240.647	243.964	243.347	242.731
72.5	167.566	170.003	172.441	174.879	177.317	179.754	182.192	184.630	183.707	182.784
75.0	122.378	124.045	125.712	127.380	129.047	130.714	132.381	134.048	132.970	131.892
77.5	85.267	86.323	87.378	88.434	89.490	90.545	91.601	92.657	91.671	90.685
80.0	55.975	56.494	57.013	57.533	58.052	58.571	59.090	59.609	58.754	57.900
82.5	34.615	34.799	34.983	35.167	35.352	35.536	35.720	35.904	34.988	34.071
85.0	18.072	18.030	17.988	17.947	17.905	17.863	17.821	17.779	16.988	16.197
87.5	3.449	3.442	3.436	3.429	3.422	3.415	3.409	3.402	3.100	2.798
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	0.547	0.541	0.534	0.527	0.520	0.514	0.507	0.500	0.444	0.389
112.5	1.168	1.105	1.041	0.978	0.914	0.851	0.787	0.724	0.644	0.563

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

115.0	1.216	1.146	1.076	1.005	0.935	0.865	0.794	0.724	0.656	0.588
117.5	1.289	1.217	1.145	1.073	1.001	0.929	0.857	0.785	0.710	0.635
120.0	1.230	1.166	1.103	1.039	0.976	0.912	0.849	0.785	0.710	0.635
122.5	0.950	0.915	0.879	0.844	0.809	0.774	0.739	0.704	0.638	0.572
125.0	0.848	0.823	0.798	0.773	0.748	0.723	0.698	0.673	0.623	0.573
127.5	0.892	0.860	0.829	0.798	0.767	0.735	0.704	0.673	0.620	0.568
130.0	0.943	0.904	0.866	0.827	0.789	0.750	0.712	0.673	0.630	0.587
132.5	1.256	1.192	1.129	1.065	1.002	0.938	0.875	0.811	0.758	0.706
135.0	1.295	1.238	1.181	1.125	1.068	1.011	0.955	0.898	0.842	0.787
137.5	1.406	1.348	1.291	1.234	1.177	1.119	1.062	1.005	0.947	0.888
140.0	1.420	1.370	1.320	1.271	1.221	1.171	1.121	1.071	1.002	0.933
142.5	1.418	1.367	1.316	1.265	1.214	1.163	1.112	1.061	1.025	0.988
145.0	1.432	1.387	1.343	1.299	1.255	1.210	1.166	1.122	1.111	1.099
147.5	1.505	1.454	1.403	1.352	1.301	1.250	1.199	1.148	1.168	1.188
150.0	1.577	1.520	1.462	1.404	1.346	1.289	1.231	1.173	1.193	1.214
152.5	1.549	1.508	1.466	1.425	1.384	1.342	1.301	1.260	1.293	1.326
155.0	1.580	1.554	1.528	1.501	1.475	1.449	1.423	1.397	1.431	1.465
157.5	1.594	1.574	1.555	1.536	1.517	1.497	1.478	1.459	1.492	1.525
160.0	1.594	1.574	1.555	1.536	1.517	1.497	1.478	1.459	1.499	1.538
162.5	1.686	1.669	1.653	1.637	1.620	1.604	1.587	1.571	1.614	1.656
165.0	1.829	1.815	1.802	1.788	1.775	1.761	1.748	1.734	1.780	1.827
167.5	1.958	1.950	1.942	1.934	1.926	1.918	1.910	1.902	1.936	1.970
170.0	2.151	2.156	2.160	2.165	2.169	2.174	2.178	2.183	2.205	2.226
172.5	2.204	2.205	2.205	2.206	2.207	2.207	2.208	2.209	2.253	2.297
175.0	2.291	2.285	2.278	2.271	2.264	2.258	2.251	2.244	2.296	2.348
177.5	2.332	2.342	2.353	2.364	2.375	2.385	2.396	2.407	2.435	2.464
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

**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	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1436.119	1437.190	1438.261	1439.332	1440.403	1441.474	1442.546	1442.278	1442.011	1441.743
5.0	1430.618	1432.460	1434.301	1436.143	1437.985	1439.826	1441.668	1441.327	1440.986	1440.645
7.5	1420.094	1422.825	1425.556	1428.288	1431.019	1433.750	1436.482	1436.809	1437.137	1437.464
10.0	1410.816	1415.251	1419.686	1424.121	1428.555	1432.990	1437.425	1438.010	1438.595	1439.179
12.5	1404.464	1409.205	1413.946	1418.688	1423.429	1428.170	1432.912	1433.298	1433.684	1434.071
15.0	1395.054	1398.988	1402.922	1406.856	1410.789	1414.723	1418.657	1419.763	1420.869	1421.975
17.5	1384.053	1386.991	1389.929	1392.866	1395.804	1398.741	1401.679	1403.123	1404.568	1406.012
20.0	1362.611	1365.213	1367.816	1370.418	1373.020	1375.622	1378.224	1380.606	1382.988	1385.371
22.5	1341.103	1344.043	1346.982	1349.922	1352.862	1355.802	1358.742	1360.833	1362.924	1365.015
25.0	1318.398	1322.871	1327.344	1331.817	1336.291	1340.764	1345.237	1346.476	1347.715	1348.953
27.5	1296.612	1301.465	1306.318	1311.171	1316.024	1320.877	1325.730	1326.487	1327.244	1328.001
30.0	1270.978	1275.710	1280.441	1285.173	1289.905	1294.636	1299.368	1300.174	1300.980	1301.785
32.5	1237.949	1242.119	1246.289	1250.459	1254.629	1258.799	1262.970	1264.460	1265.951	1267.442
35.0	1200.105	1204.162	1208.220	1212.277	1216.334	1220.392	1224.449	1226.377	1228.305	1230.232
37.5	1158.609	1163.361	1168.114	1172.866	1177.618	1182.370	1187.122	1189.278	1191.434	1193.591
40.0	1116.506	1121.729	1126.953	1132.176	1137.400	1142.623	1147.847	1150.676	1153.505	1156.333
42.5	1072.149	1078.078	1084.006	1089.935	1095.863	1101.792	1107.720	1110.360	1113.000	1115.640
45.0	1022.785	1028.582	1034.379	1040.176	1045.973	1051.770	1057.567	1060.833	1064.099	1067.366
47.5	962.305	969.366	976.427	983.487	990.548	997.609	1004.670	1008.039	1011.409	1014.779
50.0	898.964	906.650	914.336	922.022	929.709	937.395	945.081	948.044	951.006	953.969
52.5	828.864	837.035	845.205	853.376	861.547	869.718	877.889	880.250	882.611	884.973
55.0	751.274	759.102	766.930	774.758	782.586	790.414	798.242	799.408	800.574	801.741
57.5	665.502	672.167	678.832	685.498	692.163	698.828	705.493	705.519	705.545	705.571
60.0	571.020	576.879	582.739	588.598	594.457	600.317	606.176	604.938	603.701	602.463

IES ROAD REPORT
PHOTOMETRIC FILENAME : SFCM-WB-LED-PL1-50.IES

CANDELA TABULATION - (Cont.)

62.5	479.402	483.098	486.794	490.491	494.187	497.884	501.580	500.490	499.399	498.309
65.0	390.993	392.240	393.486	394.733	395.980	397.226	398.473	398.686	398.899	399.112
67.5	312.064	312.059	312.053	312.048	312.043	312.038	312.033	312.247	312.461	312.676
70.0	242.114	241.498	240.881	240.265	239.648	239.032	238.415	238.240	238.066	237.891
72.5	181.861	180.938	180.014	179.091	178.168	177.245	176.322	175.842	175.362	174.882
75.0	130.815	129.737	128.659	127.581	126.504	125.426	124.348	123.751	123.154	122.556
77.5	89.699	88.713	87.727	86.741	85.755	84.769	83.783	83.021	82.260	81.498
80.0	57.045	56.191	55.336	54.482	53.627	52.773	51.918	51.006	50.093	49.181
82.5	33.155	32.239	31.322	30.406	29.490	28.573	27.657	26.789	25.922	25.054
85.0	15.406	14.615	13.823	13.032	12.241	11.450	10.659	10.028	9.397	8.765
87.5	2.496	2.194	1.892	1.590	1.288	0.986	0.684	0.646	0.608	0.570
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	0.333	0.278	0.222	0.167	0.111	0.056	0.000	0.000	0.000	0.000
112.5	0.483	0.402	0.322	0.241	0.161	0.080	0.000	0.000	0.000	0.000
115.0	0.520	0.452	0.384	0.316	0.248	0.180	0.112	0.100	0.087	0.075
117.5	0.561	0.486	0.411	0.336	0.262	0.187	0.112	0.100	0.087	0.075
120.0	0.561	0.486	0.411	0.336	0.262	0.187	0.112	0.100	0.087	0.075
122.5	0.506	0.441	0.375	0.309	0.243	0.178	0.112	0.100	0.087	0.075
125.0	0.523	0.473	0.424	0.374	0.324	0.274	0.224	0.212	0.199	0.187
127.5	0.515	0.462	0.409	0.357	0.304	0.251	0.199	0.208	0.218	0.228
130.0	0.544	0.501	0.458	0.415	0.372	0.329	0.286	0.304	0.322	0.340
132.5	0.653	0.600	0.548	0.495	0.442	0.390	0.337	0.344	0.351	0.357
135.0	0.731	0.676	0.620	0.565	0.509	0.454	0.398	0.417	0.436	0.456
137.5	0.830	0.771	0.713	0.655	0.596	0.538	0.480	0.502	0.524	0.546
140.0	0.864	0.795	0.725	0.656	0.587	0.518	0.449	0.493	0.537	0.582
142.5	0.952	0.916	0.879	0.843	0.807	0.770	0.734	0.775	0.817	0.858
145.0	1.088	1.077	1.065	1.054	1.043	1.031	1.020	1.045	1.070	1.095
147.5	1.209	1.229	1.250	1.270	1.291	1.311	1.332	1.329	1.326	1.323
150.0	1.234	1.255	1.275	1.296	1.316	1.337	1.357	1.351	1.346	1.340
152.5	1.360	1.393	1.427	1.460	1.494	1.527	1.561	1.548	1.536	1.523
155.0	1.499	1.533	1.567	1.601	1.635	1.669	1.703	1.678	1.653	1.628
157.5	1.557	1.590	1.623	1.656	1.688	1.721	1.754	1.742	1.730	1.718
160.0	1.578	1.618	1.657	1.697	1.737	1.776	1.816	1.797	1.777	1.758
162.5	1.699	1.741	1.784	1.826	1.869	1.911	1.954	1.929	1.904	1.879
165.0	1.873	1.920	1.966	2.013	2.059	2.106	2.152	2.109	2.066	2.023
167.5	2.004	2.038	2.072	2.106	2.140	2.174	2.208	2.174	2.140	2.106
170.0	2.248	2.269	2.291	2.312	2.334	2.355	2.377	2.359	2.341	2.322
172.5	2.341	2.385	2.429	2.474	2.518	2.562	2.606	2.510	2.414	2.319
175.0	2.400	2.452	2.505	2.557	2.609	2.661	2.713	2.668	2.622	2.577
177.5	2.492	2.520	2.549	2.577	2.605	2.634	2.662	2.631	2.601	2.570
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

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	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1441.476	1441.208	1440.941	1440.673	1440.406	1440.138	1440.306	1440.475	1440.643	1440.811
5.0	1440.304	1439.962	1439.621	1439.280	1438.939	1438.598	1439.114	1439.629	1440.145	1440.661
7.5	1437.792	1438.119	1438.447	1438.774	1439.102	1439.429	1440.262	1441.095	1441.928	1442.761

IES ROAD REPORT
PHOTOMETRIC FILENAME : SFCM-WB-LED-PL1-50.IES

CANDELA TABULATION - (Cont.)

10.0	1439.764	1440.349	1440.934	1441.518	1442.103	1442.688	1443.031	1443.375	1443.718	1444.062
12.5	1434.457	1434.844	1435.230	1435.617	1436.003	1436.390	1436.945	1437.501	1438.057	1438.613
15.0	1423.081	1424.188	1425.294	1426.400	1427.506	1428.612	1429.070	1429.528	1429.986	1430.444
17.5	1407.457	1408.901	1410.346	1411.790	1413.235	1414.679	1414.928	1415.177	1415.425	1415.674
20.0	1387.753	1390.135	1392.517	1394.900	1397.282	1399.664	1399.576	1399.487	1399.399	1399.311
22.5	1367.106	1369.197	1371.288	1373.379	1375.470	1377.561	1378.376	1379.191	1380.006	1380.820
25.0	1350.192	1351.431	1352.670	1353.908	1355.147	1356.386	1357.874	1359.362	1360.850	1362.338
27.5	1328.758	1329.515	1330.272	1331.029	1331.786	1332.544	1333.854	1335.165	1336.476	1337.786
30.0	1302.591	1303.397	1304.203	1305.008	1305.814	1306.620	1307.318	1308.016	1308.714	1309.412
32.5	1268.933	1270.424	1271.915	1273.406	1274.897	1276.388	1277.498	1278.608	1279.718	1280.828
35.0	1232.160	1234.088	1236.016	1237.943	1239.871	1241.799	1243.545	1245.292	1247.038	1248.785
37.5	1195.747	1197.903	1200.059	1202.215	1204.371	1206.528	1208.720	1210.912	1213.105	1215.297
40.0	1159.162	1161.991	1164.820	1167.648	1170.477	1173.306	1175.238	1177.171	1179.103	1181.035
42.5	1118.280	1120.921	1123.561	1126.201	1128.841	1131.481	1133.385	1135.289	1137.193	1139.097
45.0	1070.632	1073.898	1077.164	1080.431	1083.697	1086.963	1088.869	1090.775	1092.682	1094.588
47.5	1018.149	1021.519	1024.889	1028.259	1031.629	1034.999	1036.079	1037.158	1038.238	1039.317
50.0	956.931	959.894	962.856	965.819	968.781	971.744	971.937	972.129	972.322	972.515
52.5	887.334	889.695	892.057	894.418	896.779	899.141	897.589	896.037	894.486	892.934
55.0	802.907	804.073	805.239	806.406	807.572	808.738	806.700	804.662	802.625	800.587
57.5	705.597	705.623	705.650	705.676	705.702	705.728	703.471	701.215	698.958	696.702
60.0	601.225	599.988	598.750	597.512	596.275	595.037	594.228	593.419	592.610	591.801
62.5	497.219	496.129	495.038	493.948	492.858	491.768	491.399	491.031	490.663	490.294
65.0	399.325	399.539	399.752	399.965	400.178	400.391	400.051	399.711	399.371	399.031
67.5	312.890	313.104	313.318	313.533	313.747	313.961	313.683	313.406	313.128	312.851
70.0	237.717	237.542	237.368	237.193	237.019	236.844	236.579	236.314	236.048	235.783
72.5	174.402	173.922	173.442	172.962	172.482	172.003	171.677	171.352	171.027	170.701
75.0	121.959	121.362	120.765	120.167	119.570	118.973	118.589	118.205	117.820	117.436
77.5	80.737	79.975	79.213	78.452	77.690	76.929	76.611	76.293	75.975	75.657
80.0	48.269	47.356	46.444	45.532	44.619	43.707	43.398	43.088	42.779	42.469
82.5	24.187	23.319	22.452	21.584	20.717	19.849	19.596	19.342	19.089	18.836
85.0	8.134	7.503	6.872	6.240	5.609	4.978	4.843	4.708	4.573	4.438
87.5	0.532	0.494	0.456	0.418	0.380	0.342	0.335	0.329	0.323	0.317
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	0.062	0.050	0.037	0.025	0.012	0.000	0.000	0.000	0.000	0.000
117.5	0.062	0.050	0.037	0.025	0.012	0.000	0.000	0.000	0.000	0.000
120.0	0.062	0.050	0.037	0.025	0.012	0.000	0.000	0.000	0.000	0.000
122.5	0.062	0.050	0.037	0.025	0.012	0.000	0.000	0.000	0.000	0.000
125.0	0.174	0.162	0.149	0.137	0.124	0.112	0.112	0.112	0.112	0.112
127.5	0.237	0.247	0.257	0.267	0.276	0.286	0.289	0.292	0.295	0.297
130.0	0.358	0.377	0.395	0.413	0.431	0.449	0.450	0.451	0.452	0.453
132.5	0.364	0.371	0.378	0.384	0.391	0.398	0.405	0.412	0.418	0.425
135.0	0.475	0.494	0.513	0.533	0.552	0.571	0.571	0.571	0.571	0.571
137.5	0.568	0.590	0.612	0.634	0.656	0.678	0.672	0.667	0.661	0.655
140.0	0.626	0.670	0.714	0.759	0.803	0.847	0.834	0.822	0.809	0.797
142.5	0.900	0.941	0.982	1.024	1.065	1.107	1.084	1.062	1.040	1.018
145.0	1.120	1.144	1.169	1.194	1.219	1.244	1.219	1.194	1.169	1.144
147.5	1.320	1.317	1.315	1.312	1.309	1.306	1.307	1.307	1.308	1.308

IES ROAD REPORT
PHOTOMETRIC FILENAME : SFCM-WB-LED-PL1-50.IES

CANDELA TABULATION - (Cont.)

150.0	1.334	1.329	1.323	1.317	1.312	1.306	1.306	1.306	1.306	1.306
152.5	1.511	1.498	1.486	1.473	1.461	1.449	1.449	1.450	1.450	1.451
155.0	1.603	1.579	1.554	1.529	1.504	1.479	1.486	1.493	1.499	1.506
157.5	1.706	1.695	1.683	1.671	1.659	1.647	1.635	1.623	1.611	1.599
160.0	1.739	1.719	1.700	1.681	1.661	1.642	1.631	1.619	1.608	1.597
162.5	1.854	1.829	1.804	1.779	1.754	1.729	1.714	1.699	1.684	1.670
165.0	1.980	1.937	1.894	1.851	1.808	1.765	1.772	1.779	1.785	1.792
167.5	2.072	2.038	2.004	1.970	1.936	1.903	1.900	1.898	1.896	1.893
170.0	2.304	2.286	2.268	2.249	2.231	2.213	2.226	2.238	2.251	2.263
172.5	2.223	2.127	2.031	1.936	1.840	1.744	1.838	1.932	2.026	2.120
175.0	2.532	2.486	2.441	2.396	2.350	2.305	2.346	2.387	2.427	2.468
177.5	2.540	2.509	2.479	2.448	2.418	2.387	2.419	2.450	2.482	2.514
180.0	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

Vert. Angles **Horizontal Angles**

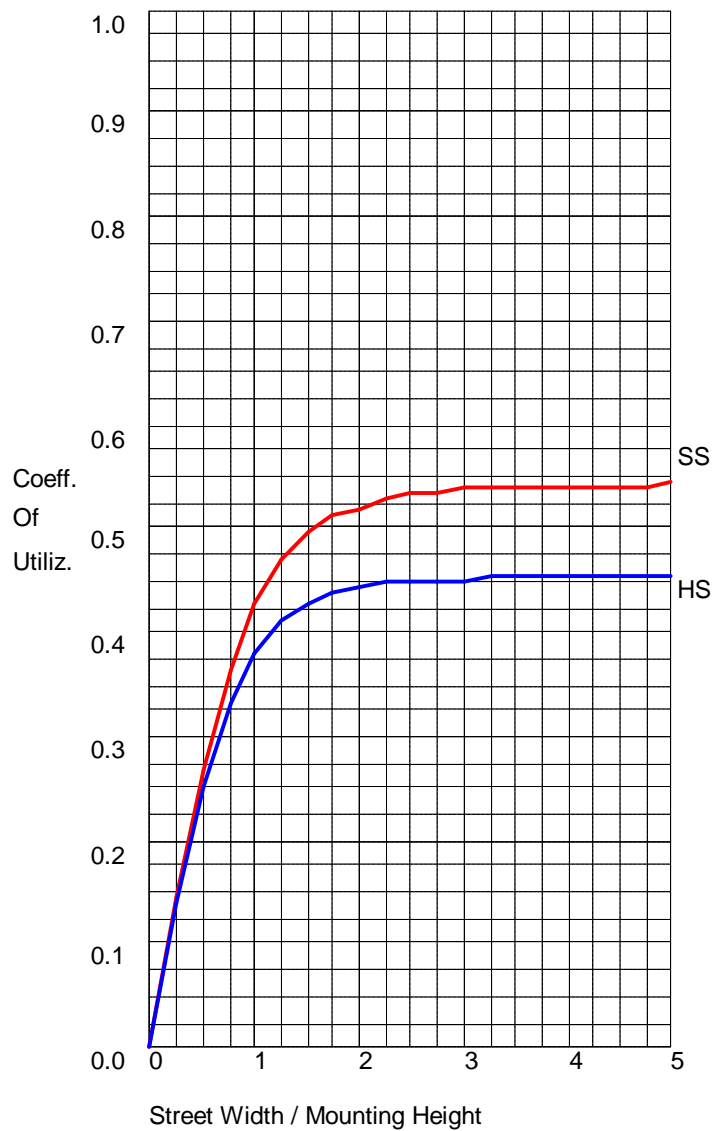
	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	1437.710	1437.710	1437.710	1437.710	1437.710
2.5	1440.980	1441.148	1441.316	1441.485	1441.653
5.0	1441.176	1441.692	1442.208	1442.723	1443.239
7.5	1443.594	1444.427	1445.260	1446.093	1446.926
10.0	1444.405	1444.749	1445.092	1445.436	1445.779
12.5	1439.169	1439.725	1440.281	1440.837	1441.393
15.0	1430.901	1431.359	1431.817	1432.275	1432.733
17.5	1415.923	1416.172	1416.420	1416.669	1416.918
20.0	1399.222	1399.134	1399.046	1398.957	1398.869
22.5	1381.635	1382.450	1383.265	1384.080	1384.895
25.0	1363.826	1365.314	1366.802	1368.290	1369.778
27.5	1339.097	1340.408	1341.719	1343.029	1344.340
30.0	1310.111	1310.809	1311.507	1312.205	1312.903
32.5	1281.938	1283.048	1284.158	1285.268	1286.378
35.0	1250.531	1252.278	1254.024	1255.771	1257.517
37.5	1217.490	1219.682	1221.875	1224.067	1226.260
40.0	1182.968	1184.900	1186.832	1188.765	1190.697
42.5	1141.001	1142.905	1144.809	1146.713	1148.617
45.0	1096.494	1098.400	1100.307	1102.213	1104.119
47.5	1040.397	1041.476	1042.556	1043.635	1044.715
50.0	972.707	972.900	973.093	973.285	973.478
52.5	891.383	889.831	888.280	886.728	885.177
55.0	798.549	796.511	794.474	792.436	790.398
57.5	694.445	692.189	689.932	687.676	685.419
60.0	590.991	590.182	589.373	588.564	587.755
62.5	489.926	489.558	489.189	488.821	488.453
65.0	398.691	398.351	398.011	397.671	397.331
67.5	312.573	312.295	312.018	311.740	311.463
70.0	235.518	235.253	234.987	234.722	234.457
72.5	170.376	170.051	169.726	169.400	169.075
75.0	117.052	116.668	116.283	115.899	115.515
77.5	75.339	75.021	74.703	74.385	74.068
80.0	42.160	41.850	41.541	41.231	40.922
82.5	18.583	18.329	18.076	17.823	17.570
85.0	4.304	4.169	4.034	3.899	3.764
87.5	0.310	0.304	0.298	0.292	0.286
90.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : SFCM-WB-LED-PL1-50.IES

CANDELA TABULATION - (Cont.)

97.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
125.0	0.112	0.112	0.112	0.112	0.112
127.5	0.300	0.303	0.306	0.309	0.312
130.0	0.455	0.456	0.457	0.458	0.459
132.5	0.432	0.439	0.445	0.452	0.459
135.0	0.571	0.571	0.571	0.571	0.571
137.5	0.650	0.644	0.638	0.633	0.627
140.0	0.784	0.772	0.759	0.747	0.734
142.5	0.996	0.974	0.952	0.930	0.908
145.0	1.120	1.095	1.070	1.045	1.020
147.5	1.309	1.309	1.310	1.310	1.311
150.0	1.306	1.306	1.306	1.306	1.306
152.5	1.451	1.452	1.452	1.453	1.454
155.0	1.513	1.520	1.526	1.533	1.540
157.5	1.588	1.576	1.564	1.552	1.540
160.0	1.585	1.574	1.563	1.551	1.540
162.5	1.655	1.640	1.625	1.611	1.596
165.0	1.799	1.806	1.812	1.819	1.826
167.5	1.891	1.889	1.887	1.884	1.882
170.0	2.276	2.288	2.301	2.313	2.326
172.5	2.215	2.309	2.403	2.497	2.591
175.0	2.509	2.550	2.590	2.631	2.672
177.5	2.545	2.577	2.609	2.640	2.672
180.0	2.000	2.000	2.000	2.000	2.000

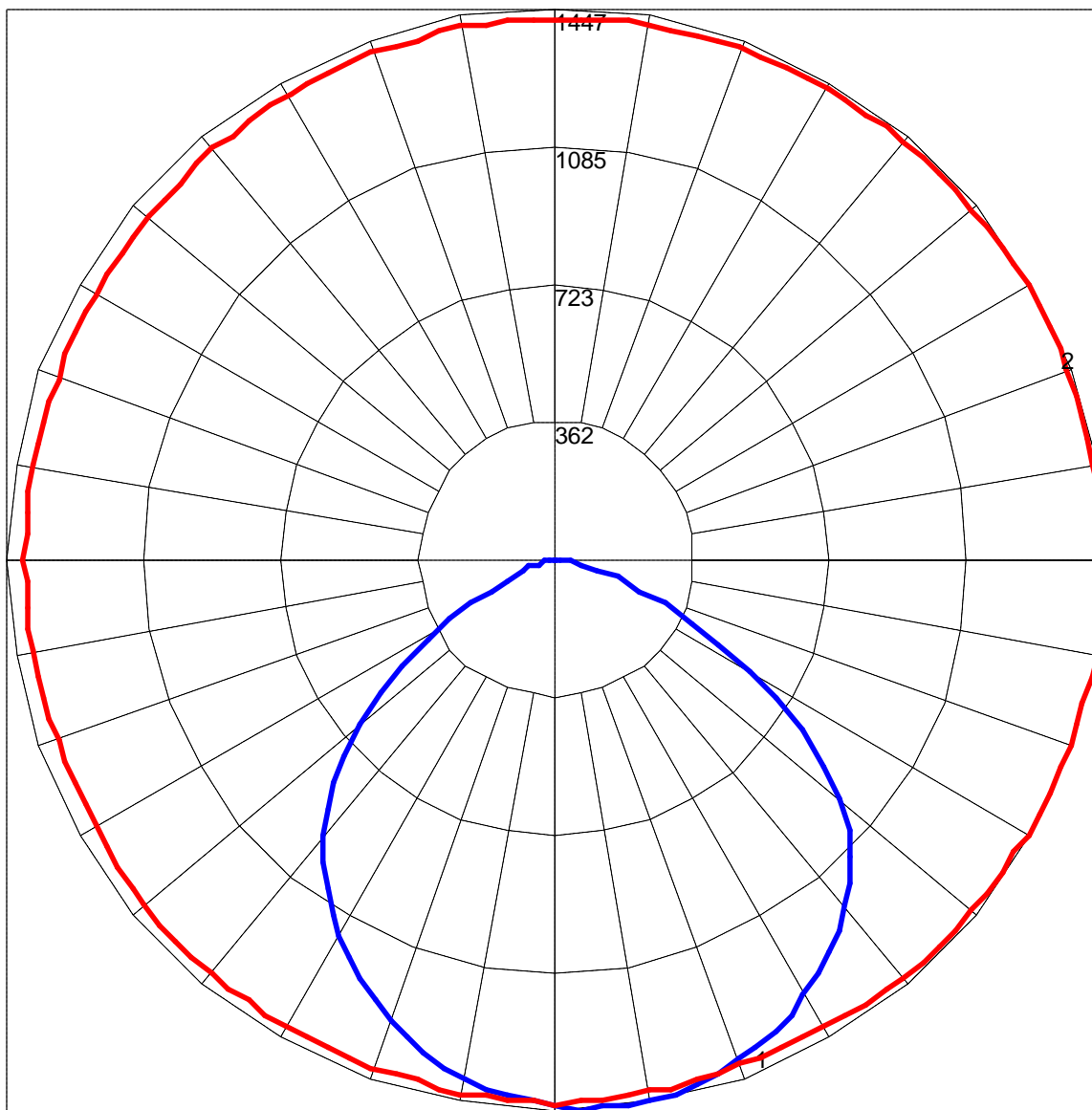
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

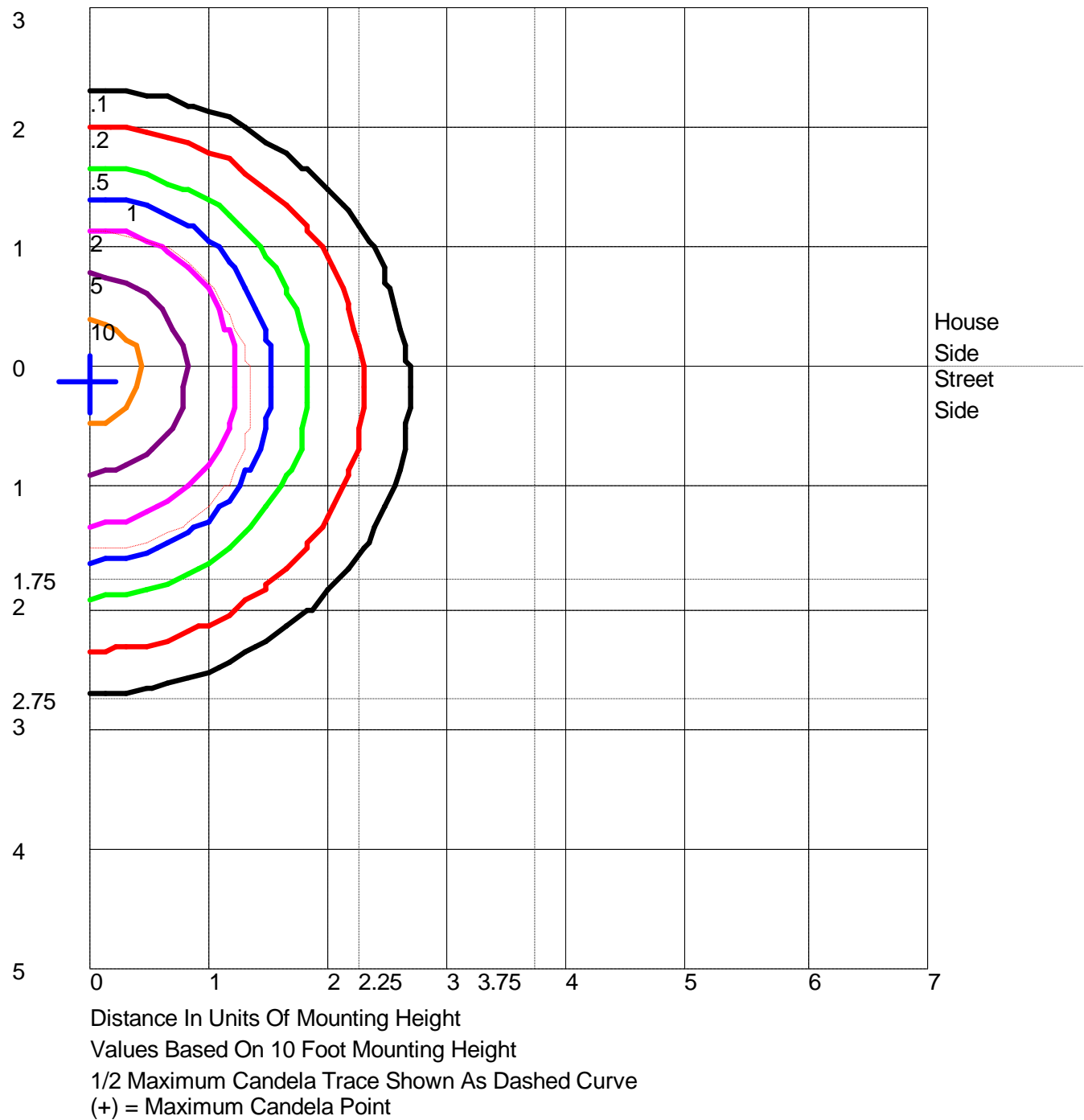
	Lumens	Percent Of Luminaire
Downward Street Side	1973.0	54.4
Downward House Side	1649.5	45.5
Downward Total	3622.5	99.9
Upward Street Side	1.8	0.0
Upward House Side	2.9	0.1
Upward Total	4.7	0.1
Total Flux	3627.2	100.0

POLAR GRAPH

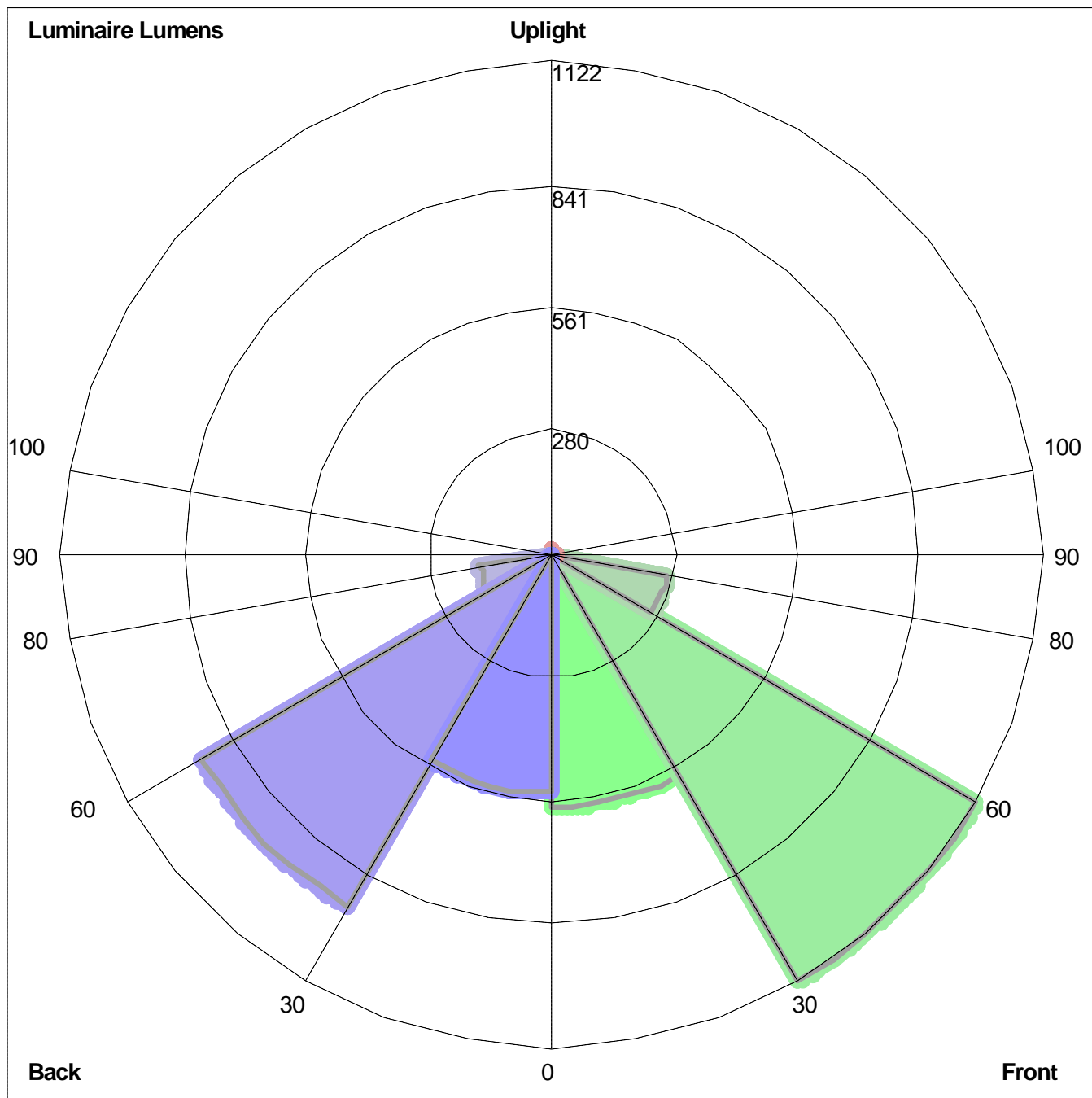


Maximum Candela = 1446.926 Located At Horizontal Angle = 360, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=576.6, Medium=1121.9, High=265.1, Very High=9.4
Back: Low=544.5, Medium=929.3, High=169.2, Very High=6.5
Uplight: Low=0.0, High=4.6

BUG Rating : B2-U1-G1