



IES ROAD REPORT

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]DCL-150-050W-50K-8-3PC
[TESTLAB]Standard-Tech Co., Ltd.
[TESTDATE]2015-08-29
[ISSUE DATE]2016-05-09
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]SWPM-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 IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5018
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	50.26
Ballast Factor	1.00
Upward Waste Light Ratio	0.24
Maximum Candela	2190.107
Maximum Candela Angle	22.5H 60V
Maximum Candela (<90 Degrees Vertical)	2190.107
Maximum Candela Angle (<90 Degrees Vertical)	22.5H 60V
Maximum Candela At 90 Degrees Vertical	1459.663 (29.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1526.566 (30.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-50.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	477.5	N.A.	9.5
FM - Front-Medium (30-60)	1405.8	N.A.	28.0
FH - Front-High (60-80)	1039.6	N.A.	20.7
FVH - Front-Very High (80-90)	358.6	N.A.	7.1
BL - Back-Low (0-30)	225.0	N.A.	4.5
BM - Back-Medium (30-60)	239.6	N.A.	4.8
BH - Back-High (60-80)	51.9	N.A.	1.0
BVH - Back-Very High (80-90)	9.1	N.A.	0.2
UL - Uplight-Low (90-100)	450.1	N.A.	9.0
UH - Uplight-High (100-180)	760.8	N.A.	15.2
Total	5018.0	N.A.	100.0
BUG Rating	B1-U4-G3		

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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	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	1020.361	1021.163	1021.964	1022.766	1023.568	1024.369	1025.171	1025.973	1026.774	1027.576
5.0	1028.416	1029.591	1030.765	1031.940	1033.114	1034.289	1035.463	1036.638	1037.812	1038.987
7.5	1074.741	1073.902	1073.063	1072.224	1071.385	1070.545	1069.706	1068.867	1068.028	1067.189
10.0	1110.454	1112.272	1114.090	1115.907	1117.725	1119.543	1121.361	1123.178	1124.996	1126.814
12.5	1142.105	1145.228	1148.351	1151.474	1154.597	1157.721	1160.844	1163.967	1167.090	1170.213
15.0	1236.207	1231.390	1226.573	1221.756	1216.939	1212.122	1207.305	1202.488	1197.671	1192.854
17.5	1321.243	1316.703	1312.162	1307.622	1303.082	1298.541	1294.001	1289.461	1284.920	1280.380
20.0	1297.435	1297.141	1296.847	1296.553	1296.259	1295.965	1295.671	1295.377	1295.083	1294.789
22.5	1407.477	1397.659	1387.842	1378.025	1368.208	1358.390	1348.573	1338.756	1328.939	1319.122
25.0	1312.290	1322.217	1332.144	1342.070	1351.997	1361.924	1371.851	1381.777	1391.704	1401.631
27.5	1366.007	1356.711	1347.416	1338.120	1328.824	1319.529	1310.233	1300.937	1291.642	1282.346
30.0	1565.717	1548.659	1531.600	1514.542	1497.484	1480.425	1463.367	1446.309	1429.250	1412.192
32.5	1558.922	1550.455	1541.987	1533.520	1525.052	1516.585	1508.117	1499.650	1491.182	1482.715
35.0	1316.813	1332.214	1347.615	1363.015	1378.416	1393.817	1409.218	1424.618	1440.019	1455.420
37.5	1364.103	1358.359	1352.614	1346.870	1341.126	1335.382	1329.637	1323.893	1318.149	1312.405
40.0	1686.325	1646.708	1607.091	1567.473	1527.856	1488.239	1448.622	1409.004	1369.387	1329.770
42.5	1802.576	1790.855	1779.135	1767.415	1755.694	1743.974	1732.254	1720.534	1708.813	1697.093
45.0	1958.725	1956.821	1954.917	1953.012	1951.108	1949.204	1947.300	1945.395	1943.491	1941.587
47.5	1482.580	1514.537	1546.495	1578.453	1610.410	1642.368	1674.326	1706.283	1738.241	1770.199
50.0	1493.918	1486.538	1479.157	1471.777	1464.396	1457.016	1449.635	1442.255	1434.874	1427.494
52.5	1691.502	1662.973	1634.445	1605.916	1577.388	1548.859	1520.331	1491.802	1463.274	1434.745
55.0	1915.082	1882.851	1850.620	1818.389	1786.158	1753.928	1721.697	1689.466	1657.235	1625.004
57.5	2042.849	2027.590	2012.332	1997.073	1981.815	1966.556	1951.298	1936.039	1920.781	1905.522
60.0	1768.684	1815.509	1862.334	1909.158	1955.983	2002.808	2049.633	2096.457	2143.282	2190.107
62.5	1599.126	1601.443	1603.760	1606.077	1608.394	1610.710	1613.027	1615.344	1617.661	1619.978
65.0	1549.025	1546.834	1544.643	1542.451	1540.260	1538.069	1535.878	1533.686	1531.495	1529.304
67.5	2010.912	1965.890	1920.868	1875.846	1830.824	1785.802	1740.780	1695.758	1650.736	1605.714
70.0	2081.014	2055.665	2030.315	2004.966	1979.616	1954.267	1928.917	1903.568	1878.218	1852.869
72.5	1908.692	1925.507	1942.323	1959.139	1975.954	1992.770	2009.586	2026.401	2043.217	2060.033
75.0	1781.496	1765.232	1748.968	1732.704	1716.440	1700.175	1683.911	1667.647	1651.383	1635.119
77.5	1237.328	1243.129	1248.930	1254.730	1260.531	1266.332	1272.133	1277.933	1283.734	1289.535
80.0	860.222	854.610	848.997	843.385	837.773	832.160	826.548	820.936	815.323	809.711
82.5	631.642	625.124	618.606	612.088	605.571	599.053	592.535	586.017	579.500	572.982
85.0	988.134	964.753	941.373	917.992	894.611	871.231	847.850	824.469	801.089	777.708
87.5	1526.566	1505.646	1484.726	1463.806	1442.886	1421.967	1401.047	1380.127	1359.207	1338.288
90.0	1459.663	1454.580	1449.497	1444.413	1439.330	1434.247	1429.164	1424.080	1418.997	1413.914
92.5	1397.736	1388.327	1378.917	1369.508	1360.099	1350.690	1341.280	1331.871	1322.462	1313.053
95.0	1481.480	1464.604	1447.728	1430.851	1413.975	1397.099	1380.223	1363.346	1346.470	1329.594
97.5	1598.125	1570.969	1543.813	1516.656	1489.500	1462.344	1435.188	1408.031	1380.875	1353.719
100.0	1420.107	1408.233	1396.360	1384.486	1372.613	1360.739	1348.866	1336.992	1325.119	1313.245
102.5	1156.929	1147.027	1137.125	1127.223	1117.321	1107.419	1097.517	1087.615	1077.713	1067.812
105.0	1180.468	1164.432	1148.396	1132.360	1116.324	1100.289	1084.253	1068.217	1052.181	1036.145
107.5	1192.829	1178.304	1163.779	1149.254	1134.729	1120.205	1105.680	1091.155	1076.630	1062.106
110.0	1084.654	1074.053	1063.452	1052.851	1042.250	1031.648	1021.047	1010.446	999.845	989.244
112.5	673.418	690.928	708.437	725.947	743.456	760.966	778.475	795.985	813.494	831.004
115.0	524.530	541.170	557.810	574.450	591.090	607.729	624.369	641.009	657.649	674.289
117.5	620.697	615.797	610.896	605.996	601.095	596.195	591.294	586.394	581.493	576.593
120.0	623.343	612.116	600.889	589.662	578.435	567.208	555.981	544.754	533.527	522.300
122.5	547.063	533.958	520.853	507.749	494.644	481.539	468.435	455.330	442.225	429.121
125.0	359.760	357.414	355.069	352.723	350.377	348.032	345.686	343.340	340.995	338.649
127.5	250.657	259.227	267.798	276.369	284.939	293.510	302.081	310.651	319.222	327.793
130.0	253.209	260.379	267.548	274.718	281.887	289.057	296.226	303.396	310.565	317.735

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CANDELA TABULATION - (Cont.)

132.5	293.833	293.027	292.222	291.416	290.610	289.804	288.999	288.193	287.387	286.582
135.0	276.519	273.032	269.545	266.059	262.572	259.085	255.598	252.112	248.625	245.138
137.5	256.824	251.307	245.791	240.274	234.757	229.241	223.724	218.207	212.691	207.174
140.0	221.972	216.925	211.877	206.830	201.782	196.735	191.687	186.640	181.592	176.545
142.5	190.005	185.392	180.779	176.166	171.553	166.940	162.327	157.714	153.101	148.489
145.0	164.366	160.107	155.848	151.589	147.330	143.070	138.811	134.552	130.293	126.034
147.5	140.609	136.800	132.991	129.182	125.373	121.564	117.755	113.946	110.137	106.328
150.0	118.295	115.040	111.785	108.530	105.275	102.019	98.764	95.509	92.254	88.999
152.5	97.350	94.708	92.066	89.424	86.782	84.140	81.498	78.856	76.214	73.573
155.0	78.718	76.594	74.469	72.345	70.221	68.096	65.972	63.848	61.723	59.599
157.5	63.017	61.180	59.343	57.506	55.670	53.833	51.996	50.159	48.323	46.486
160.0	48.094	46.563	45.032	43.502	41.971	40.440	38.909	37.379	35.848	34.317
162.5	33.363	32.192	31.021	29.850	28.678	27.507	26.336	25.165	23.994	22.823
165.0	20.084	19.311	18.537	17.764	16.990	16.217	15.443	14.670	13.896	13.123
167.5	6.531	6.073	5.616	5.159	4.702	4.245	3.788	3.331	2.874	2.417
170.0	2.511	2.486	2.460	2.435	2.409	2.384	2.358	2.333	2.307	2.282
172.5	2.511	2.486	2.460	2.435	2.409	2.384	2.358	2.333	2.307	2.282
175.0	2.676	2.632	2.588	2.545	2.501	2.457	2.413	2.370	2.326	2.282
177.5	2.827	2.792	2.757	2.722	2.687	2.651	2.616	2.581	2.546	2.511
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

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	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	1025.876	1024.176	1022.476	1020.775	1019.075	1017.375	1015.675	1013.975	1012.275	1005.412
5.0	1040.759	1042.530	1044.302	1046.074	1047.845	1049.617	1051.389	1053.160	1054.932	1053.766
7.5	1064.923	1062.657	1060.391	1058.124	1055.858	1053.592	1051.326	1049.060	1046.794	1047.376
10.0	1117.872	1108.929	1099.987	1091.044	1082.102	1073.159	1064.217	1055.274	1046.332	1043.342
12.5	1161.282	1152.351	1143.420	1134.489	1125.559	1116.628	1107.697	1098.766	1089.835	1080.002
15.0	1186.894	1180.933	1174.973	1169.012	1163.052	1157.091	1151.131	1145.170	1139.210	1124.533
17.5	1265.756	1251.131	1236.507	1221.882	1207.258	1192.633	1178.009	1163.384	1148.760	1133.936
20.0	1282.797	1270.804	1258.812	1246.820	1234.827	1222.835	1210.843	1198.850	1186.858	1171.000
22.5	1316.558	1313.995	1311.431	1308.868	1306.304	1303.741	1301.177	1298.614	1296.050	1268.461
25.0	1392.860	1384.090	1375.319	1366.548	1357.778	1349.007	1340.236	1331.466	1322.695	1290.191
27.5	1278.204	1274.062	1269.920	1265.778	1261.635	1257.493	1253.351	1249.209	1245.067	1219.309
30.0	1402.558	1392.924	1383.290	1373.656	1364.022	1354.388	1344.754	1335.120	1325.486	1288.567
32.5	1463.885	1445.056	1426.226	1407.397	1388.567	1369.738	1350.908	1332.079	1313.250	1279.631
35.0	1425.860	1396.300	1366.740	1337.180	1307.619	1278.059	1248.499	1218.939	1189.379	1171.513
37.5	1307.849	1303.294	1298.739	1294.183	1289.628	1285.073	1280.517	1275.962	1271.407	1241.109
40.0	1332.856	1335.942	1339.027	1342.113	1345.199	1348.285	1351.370	1354.456	1357.542	1315.553
42.5	1645.265	1593.437	1541.609	1489.781	1437.953	1386.125	1334.297	1282.469	1230.642	1201.870
45.0	1852.440	1763.293	1674.145	1584.998	1495.851	1406.704	1317.556	1228.409	1139.262	1116.986
47.5	1707.589	1644.979	1582.369	1519.759	1457.149	1394.539	1331.929	1269.319	1206.709	1170.873
50.0	1419.867	1412.240	1404.612	1396.985	1389.358	1381.731	1374.103	1366.476	1358.849	1302.629
52.5	1444.582	1454.420	1464.257	1474.095	1483.932	1493.769	1503.607	1513.444	1523.282	1448.449
55.0	1577.954	1530.905	1483.855	1436.806	1389.756	1342.707	1295.657	1248.608	1201.558	1167.197
57.5	1817.465	1729.408	1641.351	1553.295	1465.238	1377.181	1289.124	1201.067	1113.010	1083.555
60.0	2070.488	1950.869	1831.250	1711.631	1592.011	1472.392	1352.773	1233.154	1113.535	1073.996
62.5	1569.262	1518.546	1467.830	1417.113	1366.397	1315.681	1264.965	1214.249	1163.533	1104.756
65.0	1528.627	1527.951	1527.274	1526.597	1525.921	1525.244	1524.567	1523.891	1523.214	1419.176
67.5	1556.232	1506.751	1457.270	1407.789	1358.308	1308.827	1259.346	1209.865	1160.384	1095.208
70.0	1743.076	1633.284	1523.491	1413.698	1303.906	1194.113	1084.320	974.528	864.735	828.666
72.5	1917.844	1775.655	1633.466	1491.277	1349.088	1206.899	1064.710	922.521	780.333	741.695
75.0	1544.501	1453.883	1363.265	1272.647	1182.028	1091.410	1000.792	910.174	819.556	769.777
77.5	1230.898	1172.262	1113.625	1054.988	996.351	937.715	879.078	820.441	761.805	715.643

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CANDELA TABULATION - (Cont.)

80.0	779.893	750.074	720.256	690.438	660.619	630.801	600.983	571.164	541.346	521.897
82.5	578.688	584.395	590.101	595.807	601.513	607.220	612.926	618.632	624.339	598.867
85.0	777.868	778.028	778.189	778.349	778.509	778.669	778.830	778.990	779.150	741.819
87.5	1284.660	1231.033	1177.406	1123.778	1070.151	1016.524	962.897	909.269	855.642	811.063
90.0	1358.420	1302.926	1247.432	1191.938	1136.444	1080.950	1025.456	969.962	914.468	862.969
92.5	1269.773	1226.494	1183.215	1139.936	1096.657	1053.378	1010.098	966.819	923.540	868.149
95.0	1272.844	1216.093	1159.343	1102.593	1045.842	989.092	932.342	875.591	818.841	769.959
97.5	1291.073	1228.428	1165.782	1103.136	1040.490	977.845	915.199	852.553	789.908	740.663
100.0	1253.618	1193.990	1134.363	1074.735	1015.108	955.480	895.853	836.225	776.598	725.272
102.5	1031.794	995.776	959.758	923.740	887.722	851.704	815.686	779.668	743.650	691.286
105.0	991.365	946.585	901.805	857.025	812.245	767.465	722.685	677.905	633.125	589.272
107.5	1010.987	959.869	908.750	857.632	806.513	755.395	704.276	653.158	602.040	558.445
110.0	943.838	898.432	853.026	807.620	762.215	716.809	671.403	625.997	580.591	535.564
112.5	797.414	763.823	730.233	696.642	663.052	629.461	595.871	562.280	528.690	487.332
115.0	652.190	630.091	607.992	585.893	563.795	541.696	519.597	497.498	475.399	438.310
117.5	559.770	542.948	526.126	509.304	492.482	475.660	458.838	442.016	425.194	391.881
120.0	505.702	489.103	472.505	455.906	439.308	422.709	406.111	389.512	372.914	343.906
122.5	418.023	406.925	395.827	384.729	373.631	362.533	351.435	340.337	329.240	303.492
125.0	332.621	326.592	320.564	314.535	308.507	302.478	296.450	290.421	284.393	262.281
127.5	317.703	307.613	297.523	287.433	277.343	267.253	257.163	247.073	236.984	218.900
130.0	304.573	291.410	278.248	265.086	251.923	238.761	225.599	212.436	199.274	184.353
132.5	273.053	259.524	245.995	232.466	218.938	205.409	191.880	178.351	164.823	152.801
135.0	233.481	221.824	210.167	198.510	186.853	175.196	163.539	151.882	140.225	130.068
137.5	197.694	188.215	178.735	169.256	159.776	150.297	140.817	131.338	121.858	112.942
140.0	168.683	160.820	152.958	145.096	137.233	129.371	121.509	113.646	105.784	97.904
142.5	141.978	135.468	128.958	122.447	115.937	109.427	102.917	96.406	89.896	83.129
145.0	120.491	114.948	109.404	103.861	98.318	92.775	87.231	81.688	76.145	70.261
147.5	101.691	97.054	92.417	87.779	83.142	78.505	73.868	69.231	64.594	59.412
150.0	85.249	81.500	77.750	74.000	70.251	66.501	62.751	59.002	55.252	50.458
152.5	70.351	67.130	63.909	60.688	57.467	54.246	51.025	47.804	44.583	40.535
155.0	56.707	53.815	50.923	48.031	45.138	42.246	39.354	36.462	33.570	30.430
157.5	43.944	41.402	38.859	36.317	33.775	31.233	28.690	26.148	23.606	21.418
160.0	32.245	30.172	28.100	26.027	23.955	21.882	19.810	17.737	15.665	14.217
162.5	20.903	18.983	17.063	15.144	13.224	11.304	9.384	7.465	5.545	5.150
165.0	11.924	10.725	9.527	8.328	7.129	5.930	4.732	3.533	2.334	2.288
167.5	2.395	2.373	2.351	2.329	2.308	2.286	2.264	2.242	2.220	2.187
170.0	2.275	2.268	2.261	2.254	2.248	2.241	2.234	2.227	2.220	2.193
172.5	2.285	2.288	2.291	2.294	2.296	2.299	2.302	2.305	2.308	2.301
175.0	2.307	2.333	2.358	2.384	2.409	2.435	2.460	2.486	2.511	2.504
177.5	2.543	2.575	2.608	2.640	2.672	2.704	2.737	2.769	2.801	2.769
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

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	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	998.550	991.687	984.825	977.962	971.100	964.237	957.375	950.513	944.284	938.056
5.0	1052.599	1051.433	1050.266	1049.100	1047.933	1046.767	1045.600	1044.434	1028.480	1012.526
7.5	1047.959	1048.542	1049.124	1049.707	1050.290	1050.872	1051.455	1052.038	1032.782	1013.527
10.0	1040.352	1037.362	1034.372	1031.382	1028.392	1025.402	1022.412	1019.422	1004.332	989.243
12.5	1070.169	1060.337	1050.504	1040.671	1030.838	1021.006	1011.173	1001.340	987.272	973.205
15.0	1109.856	1095.179	1080.502	1065.826	1051.149	1036.472	1021.795	1007.118	992.815	978.511
17.5	1119.111	1104.287	1089.462	1074.637	1059.813	1044.989	1030.164	1015.340	999.018	982.697
20.0	1155.141	1139.283	1123.425	1107.566	1091.708	1075.850	1059.991	1044.133	1021.153	998.174
22.5	1240.872	1213.283	1185.694	1158.104	1130.515	1102.926	1075.337	1047.748	1023.510	999.271
25.0	1257.687	1225.183	1192.679	1160.175	1127.671	1095.167	1062.663	1030.159	1004.053	977.948

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CANDELA TABULATION - (Cont.)

27.5	1193.551	1167.793	1142.035	1116.277	1090.519	1064.761	1039.003	1013.245	985.186	957.127
30.0	1251.648	1214.730	1177.811	1140.892	1103.973	1067.055	1030.136	993.217	966.255	939.293
32.5	1246.012	1212.394	1178.775	1145.156	1111.538	1077.919	1044.301	1010.682	977.157	943.632
35.0	1153.646	1135.780	1117.914	1100.047	1082.181	1064.315	1046.448	1028.582	991.262	953.942
37.5	1210.811	1180.513	1150.215	1119.917	1089.620	1059.322	1029.024	998.726	960.898	923.070
40.0	1273.563	1231.574	1189.585	1147.595	1105.606	1063.617	1021.627	979.638	940.410	901.183
42.5	1173.098	1144.326	1115.555	1086.783	1058.011	1029.239	1000.468	971.696	930.719	889.741
45.0	1094.709	1072.433	1050.156	1027.880	1005.603	983.327	961.050	938.774	898.358	857.942
47.5	1135.038	1099.203	1063.368	1027.533	991.698	955.862	920.027	884.192	844.877	805.562
50.0	1246.409	1190.188	1133.968	1077.748	1021.528	965.307	909.087	852.867	813.984	775.101
52.5	1373.616	1298.783	1223.950	1149.117	1074.285	999.452	924.619	849.786	807.689	765.592
55.0	1132.836	1098.475	1064.114	1029.753	995.392	961.031	926.670	892.309	839.762	787.216
57.5	1054.100	1024.645	995.190	965.735	936.279	906.824	877.369	847.914	796.079	744.243
60.0	1034.457	994.919	955.380	915.841	876.302	836.764	797.225	757.686	710.304	662.923
62.5	1045.980	987.204	928.428	869.651	810.875	752.099	693.323	634.547	596.514	558.482
65.0	1315.137	1211.099	1107.060	1003.022	898.983	794.945	690.906	586.868	549.454	512.039
67.5	1030.033	964.858	899.683	834.508	769.333	704.157	638.982	573.807	532.299	490.792
70.0	792.597	756.527	720.458	684.389	648.320	612.250	576.181	540.112	498.987	457.862
72.5	703.057	664.419	625.781	587.142	548.505	509.867	471.229	432.591	399.467	366.344
75.0	719.998	670.219	620.440	570.661	520.882	471.103	421.324	371.545	342.196	312.847
77.5	669.482	623.320	577.159	530.997	484.836	438.674	392.513	346.352	317.293	288.234
80.0	502.448	482.999	463.550	444.102	424.653	405.204	385.755	366.306	333.123	299.940
82.5	573.395	547.924	522.452	496.980	471.509	446.037	420.565	395.094	357.237	319.380
85.0	704.487	667.156	629.824	592.493	555.161	517.830	480.498	443.167	399.083	354.999
87.5	766.483	721.904	677.325	632.745	588.166	543.587	499.007	454.428	408.720	363.011
90.0	811.470	759.972	708.473	656.974	605.475	553.977	502.478	450.979	405.530	360.082
92.5	812.757	757.366	701.975	646.583	591.192	535.801	480.409	425.018	382.874	340.729
95.0	721.076	672.194	623.312	574.429	525.547	476.665	427.782	378.900	341.890	304.880
97.5	691.419	642.175	592.931	543.686	494.442	445.198	395.954	346.710	313.215	279.720
100.0	673.946	622.620	571.294	519.968	468.642	417.316	365.990	314.664	284.762	254.859
102.5	638.922	586.558	534.194	481.830	429.466	377.102	324.738	272.375	247.155	221.935
105.0	545.419	501.565	457.712	413.859	370.006	326.152	282.299	238.446	216.897	195.348
107.5	514.850	471.255	427.660	384.064	340.470	296.875	253.280	209.685	191.104	172.524
110.0	490.538	445.511	400.485	355.458	310.432	265.405	220.379	175.352	160.334	145.316
112.5	445.975	404.617	363.259	321.902	280.544	239.186	197.829	156.471	143.276	130.082
115.0	401.220	364.131	327.042	289.952	252.863	215.774	178.684	141.595	129.728	117.861
117.5	358.569	325.256	291.943	258.631	225.318	192.005	158.693	125.380	114.998	104.616
120.0	314.898	285.890	256.882	227.874	198.866	169.858	140.850	111.842	102.625	93.409
122.5	277.745	251.998	226.251	200.504	174.757	149.010	123.263	97.516	89.559	81.602
125.0	240.170	218.058	195.946	173.835	151.723	129.611	107.500	85.388	78.449	71.510
127.5	200.817	182.734	164.651	146.568	128.485	110.402	92.319	74.236	68.212	62.188
130.0	169.432	154.510	139.589	124.668	109.747	94.825	79.904	64.983	59.703	54.422
132.5	140.780	128.759	116.738	104.717	92.696	80.674	68.653	56.632	52.078	47.524
135.0	119.911	109.753	99.596	89.439	79.282	69.124	58.967	48.810	44.897	40.983
137.5	104.025	95.109	86.192	77.276	68.359	59.443	50.526	41.610	38.304	34.997
140.0	90.025	82.145	74.265	66.386	58.506	50.626	42.747	34.867	32.226	29.585
142.5	76.361	69.594	62.827	56.059	49.292	42.525	35.757	28.990	26.784	24.578
145.0	64.376	58.492	52.608	46.723	40.839	34.955	29.070	23.186	21.441	19.696
147.5	54.230	49.048	43.866	38.685	33.503	28.321	23.139	17.958	16.696	15.434
150.0	45.664	40.870	36.076	31.282	26.488	21.694	16.900	12.106	11.410	10.714
152.5	36.487	32.440	28.392	24.344	20.297	16.249	12.202	8.154	7.809	7.464
155.0	27.290	24.150	21.010	17.871	14.731	11.591	8.451	5.311	5.199	5.087
157.5	19.229	17.041	14.853	12.664	10.476	8.288	6.099	3.911	3.889	3.866
160.0	12.769	11.322	9.874	8.426	6.978	5.531	4.083	2.635	2.689	2.743
162.5	4.754	4.359	3.964	3.568	3.173	2.778	2.382	1.987	2.094	2.200
165.0	2.242	2.196	2.150	2.103	2.057	2.011	1.965	1.919	2.109	2.299

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CANDELA TABULATION - (Cont.)

167.5	2.153	2.120	2.086	2.053	2.019	1.986	1.952	1.919	2.166	2.412
170.0	2.167	2.140	2.114	2.087	2.061	2.034	2.008	1.981	2.221	2.461
172.5	2.294	2.287	2.280	2.274	2.267	2.260	2.253	2.246	2.456	2.667
175.0	2.497	2.490	2.483	2.476	2.469	2.462	2.455	2.448	2.636	2.824
177.5	2.737	2.704	2.672	2.640	2.608	2.575	2.543	2.511	2.683	2.854
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

Vert. Angles	Horizontal Angles									
	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
0.0	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	931.827	925.599	919.370	913.142	906.913	900.685	894.457	889.226	883.996	878.766
5.0	996.572	980.618	964.663	948.709	932.755	916.801	900.847	896.807	892.767	888.727
7.5	994.272	975.016	955.761	936.506	917.251	897.995	878.740	875.958	873.175	870.393
10.0	974.153	959.064	943.974	928.885	913.795	898.706	883.616	873.546	863.477	853.407
12.5	959.137	945.069	931.001	916.934	902.866	888.798	874.731	860.227	845.724	831.220
15.0	964.208	949.904	935.601	921.297	906.994	892.690	878.387	859.459	840.531	821.603
17.5	966.376	950.055	933.734	917.413	901.092	884.771	868.450	846.129	823.809	801.489
20.0	975.194	952.215	929.235	906.256	883.276	860.297	837.317	813.354	789.391	765.429
22.5	975.033	950.795	926.557	902.318	878.080	853.842	829.604	801.985	774.366	746.747
25.0	951.842	925.737	899.631	873.526	847.420	821.315	795.209	766.435	737.661	708.887
27.5	929.068	901.009	872.950	844.892	816.833	788.774	760.715	730.846	700.977	671.108
30.0	912.331	885.369	858.407	831.445	804.483	777.521	750.559	717.339	684.119	650.899
32.5	910.108	876.583	843.058	809.533	776.009	742.484	708.959	677.043	645.128	613.212
35.0	916.622	879.302	841.983	804.663	767.343	730.023	692.703	658.093	623.483	588.873
37.5	885.241	847.413	809.585	771.757	733.928	696.100	658.272	623.614	588.956	554.299
40.0	861.955	822.728	783.500	744.273	705.045	665.818	626.590	591.540	556.489	521.439
42.5	848.764	807.787	766.810	725.832	684.855	643.878	602.901	566.617	530.333	494.050
45.0	817.526	777.110	736.695	696.279	655.863	615.447	575.031	538.018	501.004	463.991
47.5	766.246	726.931	687.616	648.301	608.985	569.670	530.355	495.019	459.684	424.348
50.0	736.218	697.335	658.453	619.570	580.687	541.804	502.921	467.557	432.193	396.830
52.5	723.495	681.398	639.300	597.203	555.106	513.009	470.912	436.462	402.011	367.561
55.0	734.669	682.123	629.576	577.030	524.483	471.937	419.390	388.508	357.625	326.743
57.5	692.408	640.572	588.737	536.901	485.066	433.230	381.395	352.993	324.591	296.190
60.0	615.541	568.160	520.778	473.397	426.015	378.634	331.252	306.730	282.208	257.687
62.5	520.450	482.418	444.385	406.353	368.321	330.289	292.257	270.418	248.580	226.741
65.0	474.625	437.210	399.796	362.381	324.967	287.552	250.138	231.361	212.584	193.807
67.5	449.284	407.777	366.269	324.762	283.254	241.747	200.239	185.556	170.872	156.189
70.0	416.737	375.612	334.488	293.363	252.238	211.113	169.988	157.258	144.528	131.798
72.5	333.221	300.098	266.975	233.852	200.729	167.606	134.483	124.456	114.429	104.402
75.0	283.497	254.148	224.799	195.450	166.100	136.751	107.402	99.275	91.147	83.020
77.5	259.175	230.117	201.058	171.999	142.940	113.882	84.823	78.256	71.689	65.123
80.0	266.757	233.574	200.391	167.208	134.025	100.842	67.659	62.407	57.156	51.904
82.5	281.523	243.666	205.809	167.952	130.095	92.238	54.381	50.714	47.048	43.382
85.0	310.916	266.832	222.748	178.664	134.581	90.497	46.413	44.102	41.791	39.480
87.5	317.303	271.594	225.886	180.178	134.469	88.761	43.053	41.533	40.014	38.495
90.0	314.633	269.185	223.736	178.288	132.839	87.391	41.942	40.924	39.906	38.889
92.5	298.585	256.440	214.296	172.151	130.007	87.862	45.718	44.349	42.981	41.612
95.0	267.871	230.861	193.851	156.841	119.832	82.822	45.812	44.258	42.704	41.150
97.5	246.225	212.731	179.236	145.741	112.246	78.752	45.257	43.516	41.776	40.035
100.0	224.957	195.054	165.152	135.249	105.347	75.444	45.542	43.536	41.531	39.525
102.5	196.715	171.495	146.276	121.056	95.836	70.616	45.397	43.174	40.951	38.728
105.0	173.799	152.250	130.700	109.151	87.602	66.053	44.504	42.171	39.838	37.505
107.5	153.943	135.363	116.782	98.202	79.621	61.041	42.461	40.125	37.789	35.453
110.0	130.298	115.280	100.261	85.243	70.225	55.207	40.189	37.861	35.532	33.204
112.5	116.887	103.693	90.498	77.304	64.109	50.915	37.720	35.433	33.146	30.859

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CANDELA TABULATION - (Cont.)

115.0	105.995	94.128	82.261	70.394	58.528	46.661	34.794	32.622	30.451	28.279
117.5	94.234	83.852	73.470	63.088	52.706	42.324	31.942	29.897	27.853	25.809
120.0	84.192	74.975	65.759	56.542	47.325	38.109	28.892	26.998	25.104	23.210
122.5	73.645	65.688	57.731	49.775	41.818	33.861	25.904	24.212	22.520	20.828
125.0	64.571	57.632	50.693	43.754	36.815	29.876	22.937	21.439	19.940	18.442
127.5	56.165	50.141	44.117	38.093	32.069	26.045	20.022	18.686	17.350	16.014
130.0	49.142	43.861	38.581	33.300	28.020	22.739	17.459	16.361	15.262	14.164
132.5	42.969	38.415	33.861	29.307	24.752	20.198	15.644	14.687	13.731	12.774
135.0	37.070	33.157	29.243	25.330	21.417	17.503	13.590	12.814	12.038	11.263
137.5	31.691	28.384	25.078	21.771	18.465	15.158	11.852	11.215	10.578	9.942
140.0	26.945	24.304	21.663	19.022	16.382	13.741	11.100	10.499	9.899	9.298
142.5	22.372	20.165	17.959	15.753	13.547	11.341	9.135	8.683	8.231	7.779
145.0	17.951	16.206	14.460	12.715	10.970	9.225	7.480	7.206	6.931	6.657
147.5	14.173	12.911	11.649	10.388	9.126	7.865	6.603	6.413	6.224	6.034
150.0	10.018	9.322	8.625	7.929	7.233	6.537	5.841	5.692	5.543	5.395
152.5	7.118	6.773	6.428	6.083	5.737	5.392	5.047	4.945	4.843	4.741
155.0	4.976	4.864	4.752	4.640	4.529	4.417	4.305	4.225	4.146	4.066
157.5	3.844	3.821	3.799	3.776	3.754	3.731	3.709	3.648	3.587	3.526
160.0	2.798	2.852	2.906	2.960	3.015	3.069	3.123	3.111	3.100	3.088
162.5	2.307	2.413	2.520	2.626	2.733	2.839	2.946	2.961	2.976	2.991
165.0	2.490	2.680	2.870	3.060	3.251	3.441	3.631	3.633	3.636	3.638
167.5	2.659	2.906	3.152	3.399	3.646	3.892	4.139	4.138	4.137	4.136
170.0	2.700	2.940	3.180	3.420	3.659	3.899	4.139	4.134	4.130	4.125
172.5	2.877	3.087	3.298	3.508	3.718	3.929	4.139	4.134	4.130	4.125
175.0	3.012	3.200	3.387	3.575	3.763	3.951	4.139	4.129	4.118	4.108
177.5	3.026	3.198	3.369	3.541	3.713	3.884	4.056	4.048	4.040	4.032
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

Vert. Horizontal Angles
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	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	873.536	868.306	863.076	857.845	852.615	847.385	847.839	848.292	848.746	849.199
5.0	884.687	880.646	876.606	872.566	868.526	864.486	862.843	861.201	859.558	857.916
7.5	867.610	864.828	862.045	859.263	856.480	853.698	842.765	831.833	820.900	809.968
10.0	843.337	833.268	823.198	813.128	803.059	792.989	780.395	767.801	755.207	742.613
12.5	816.717	802.214	787.710	773.207	758.703	744.200	731.789	719.378	706.968	694.557
15.0	802.675	783.748	764.820	745.892	726.964	708.036	693.820	679.604	665.388	651.172
17.5	779.168	756.848	734.528	712.208	689.887	667.567	651.196	634.824	618.453	602.082
20.0	741.466	717.503	693.540	669.578	645.615	621.652	605.777	589.903	574.028	558.154
22.5	719.128	691.509	663.890	636.271	608.652	581.033	564.122	547.211	530.300	513.389
25.0	680.113	651.338	622.564	593.790	565.016	536.242	518.949	501.655	484.362	467.068
27.5	641.239	611.370	581.501	551.632	521.763	491.894	474.200	456.507	438.813	421.120
30.0	617.679	584.460	551.240	518.020	484.800	451.580	433.943	416.306	398.669	381.032
32.5	581.297	549.381	517.465	485.550	453.634	421.719	403.269	384.819	366.370	347.920
35.0	554.263	519.653	485.043	450.433	415.823	381.213	363.707	346.202	328.696	311.191
37.5	519.641	484.983	450.325	415.667	381.009	346.352	330.095	313.839	297.583	281.327
40.0	486.389	451.338	416.288	381.238	346.187	311.137	296.443	281.749	267.054	252.360
42.5	457.766	421.482	385.199	348.915	312.632	276.348	263.556	250.763	237.971	225.179
45.0	426.978	389.964	352.951	315.938	278.924	241.911	230.977	220.043	209.109	198.175
47.5	389.013	353.677	318.342	283.006	247.671	212.335	202.981	193.627	184.273	174.919
50.0	361.466	326.102	290.738	255.375	220.011	184.647	176.748	168.849	160.949	153.050
52.5	333.111	298.661	264.210	229.760	195.310	160.860	154.163	147.467	140.770	134.074
55.0	295.861	264.978	234.096	203.214	172.331	141.449	135.478	129.507	123.537	117.566
57.5	267.788	239.386	210.985	182.583	154.181	125.779	120.413	115.047	109.681	104.315
60.0	233.165	208.643	184.121	159.600	135.078	110.556	105.795	101.035	96.274	91.514

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

62.5	204.903	183.064	161.226	139.387	117.549	95.711	91.422	87.134	82.845	78.557
65.0	175.030	156.253	137.476	118.699	99.922	81.145	77.342	73.540	69.737	65.935
67.5	141.506	126.823	112.139	97.456	82.773	68.090	64.562	61.035	57.508	53.981
70.0	119.068	106.338	93.608	80.878	68.148	55.418	51.950	48.481	45.013	41.545
72.5	94.375	84.348	74.321	64.294	54.267	44.240	40.620	37.000	33.380	29.760
75.0	74.892	66.765	58.637	50.510	42.382	34.255	31.028	27.800	24.573	21.345
77.5	58.556	51.989	45.422	38.856	32.289	25.722	23.304	20.887	18.469	16.051
80.0	46.653	41.401	36.150	30.898	25.647	20.395	18.640	16.884	15.129	13.373
82.5	39.716	36.050	32.384	28.718	25.052	21.386	19.622	17.859	16.095	14.332
85.0	37.169	34.857	32.546	30.235	27.924	25.613	23.488	21.362	19.237	17.111
87.5	36.975	35.456	33.937	32.418	30.898	29.379	26.832	24.285	21.739	19.192
90.0	37.871	36.853	35.835	34.818	33.800	32.782	29.886	26.991	24.095	21.200
92.5	40.243	38.874	37.506	36.137	34.768	33.400	30.501	27.603	24.704	21.806
95.0	39.596	38.043	36.489	34.935	33.381	31.827	29.087	26.347	23.607	20.867
97.5	38.295	36.554	34.813	33.073	31.332	29.592	27.049	24.506	21.963	19.420
100.0	37.519	35.514	33.508	31.502	29.497	27.491	25.105	22.719	20.333	17.947
102.5	36.505	34.282	32.059	29.836	27.613	25.391	23.223	21.055	18.888	16.720
105.0	35.172	32.839	30.506	28.173	25.840	23.507	21.558	19.609	17.660	15.711
107.5	33.117	30.781	28.446	26.110	23.774	21.438	19.710	17.981	16.253	14.524
110.0	30.875	28.547	26.218	23.890	21.561	19.233	17.732	16.231	14.731	13.230
112.5	28.572	26.286	23.999	21.712	19.425	17.138	15.826	14.514	13.203	11.891
115.0	26.108	23.936	21.765	19.593	17.422	15.250	14.110	12.970	11.830	10.690
117.5	23.764	21.720	19.676	17.632	15.587	13.543	12.574	11.605	10.637	9.668
120.0	21.316	19.423	17.529	15.635	13.741	11.847	11.067	10.286	9.506	8.726
122.5	19.136	17.443	15.751	14.059	12.367	10.675	10.028	9.381	8.733	8.086
125.0	16.943	15.445	13.946	12.448	10.949	9.451	8.937	8.423	7.909	7.395
127.5	14.678	13.342	12.006	10.670	9.334	7.998	7.629	7.259	6.890	6.520
130.0	13.065	11.967	10.868	9.770	8.671	7.573	7.241	6.909	6.577	6.245
132.5	11.817	10.861	9.904	8.947	7.991	7.034	6.759	6.484	6.209	5.934
135.0	10.487	9.711	8.935	8.160	7.384	6.608	6.358	6.108	5.858	5.608
137.5	9.305	8.668	8.031	7.395	6.758	6.121	5.928	5.736	5.543	5.351
140.0	8.698	8.097	7.497	6.896	6.296	5.695	5.541	5.386	5.232	5.077
142.5	7.327	6.875	6.424	5.972	5.520	5.068	4.980	4.892	4.803	4.715
145.0	6.383	6.108	5.834	5.560	5.285	5.011	4.913	4.815	4.717	4.619
147.5	5.845	5.655	5.465	5.276	5.086	4.897	4.811	4.726	4.641	4.555
150.0	5.246	5.097	4.948	4.800	4.651	4.502	4.461	4.419	4.378	4.336
152.5	4.639	4.537	4.435	4.333	4.231	4.129	4.130	4.130	4.131	4.131
155.0	3.987	3.907	3.828	3.748	3.669	3.589	3.636	3.684	3.731	3.778
157.5	3.465	3.403	3.342	3.281	3.220	3.159	3.225	3.292	3.358	3.424
160.0	3.077	3.065	3.054	3.042	3.031	3.019	3.097	3.176	3.254	3.332
162.5	3.006	3.021	3.036	3.051	3.066	3.081	3.163	3.245	3.327	3.409
165.0	3.640	3.643	3.645	3.647	3.650	3.652	3.680	3.707	3.735	3.763
167.5	4.135	4.133	4.132	4.131	4.130	4.129	4.136	4.143	4.150	4.157
170.0	4.121	4.116	4.112	4.107	4.103	4.098	4.108	4.119	4.129	4.139
172.5	4.121	4.116	4.112	4.107	4.103	4.098	4.101	4.105	4.108	4.112
175.0	4.098	4.087	4.077	4.067	4.056	4.046	4.055	4.064	4.074	4.083
177.5	4.024	4.016	4.008	4.000	3.992	3.984	4.000	4.016	4.032	4.048
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

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	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	849.653	850.106	850.560	851.013	851.467	853.015	854.564	856.112	857.661	859.210
5.0	856.273	854.631	852.988	851.346	849.703	841.136	832.570	824.003	815.437	806.870
7.5	799.035	788.103	777.170	766.238	755.305	749.497	743.688	737.880	732.072	726.264

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CANDELA TABULATION - (Cont.)

10.0	730.018	717.424	704.830	692.236	679.642	675.114	670.587	666.059	661.531	657.004
12.5	682.146	669.735	657.324	644.913	632.503	625.967	619.431	612.896	606.360	599.825
15.0	636.957	622.741	608.525	594.309	580.093	571.959	563.824	555.690	547.556	539.421
17.5	585.710	569.339	552.968	536.596	520.225	511.649	503.072	494.496	485.919	477.343
20.0	542.279	526.405	510.530	494.656	478.781	468.722	458.662	448.603	438.544	428.484
22.5	496.479	479.568	462.657	445.746	428.836	418.840	408.844	398.848	388.852	378.856
25.0	449.775	432.481	415.188	397.894	380.601	370.509	360.418	350.326	340.235	330.143
27.5	403.426	385.733	368.039	350.346	332.653	323.491	314.329	305.167	296.005	286.843
30.0	363.396	345.759	328.122	310.485	292.848	284.923	276.999	269.074	261.149	253.225
32.5	329.470	311.021	292.571	274.122	255.672	249.476	243.280	237.084	230.888	224.691
35.0	293.685	276.180	258.674	241.169	223.663	218.790	213.916	209.043	204.169	199.296
37.5	265.071	248.815	232.559	216.303	200.047	195.394	190.740	186.087	181.434	176.781
40.0	237.666	222.972	208.277	193.583	178.889	174.411	169.933	165.455	160.977	156.498
42.5	212.387	199.594	186.802	174.010	161.218	156.807	152.397	147.987	143.577	139.167
45.0	187.240	176.306	165.372	154.438	143.504	139.795	136.085	132.376	128.667	124.957
47.5	165.566	156.212	146.858	137.504	128.150	125.216	122.282	119.348	116.414	113.479
50.0	145.151	137.252	129.352	121.453	113.554	111.170	108.786	106.403	104.019	101.635
52.5	127.377	120.681	113.984	107.288	100.592	98.454	96.317	94.180	92.043	89.906
55.0	111.595	105.624	99.654	93.683	87.712	85.894	84.076	82.259	80.441	78.623
57.5	98.948	93.582	88.216	82.850	77.483	75.531	73.578	71.626	69.673	67.720
60.0	86.753	81.993	77.232	72.472	67.711	65.643	63.575	61.507	59.439	57.372
62.5	74.268	69.980	65.691	61.403	57.114	55.056	52.998	50.940	48.882	46.823
65.0	62.132	58.330	54.527	50.725	46.922	44.775	42.627	40.480	38.332	36.185
67.5	50.454	46.927	43.399	39.872	36.345	33.799	31.254	28.708	26.162	23.617
70.0	38.076	34.608	31.140	27.671	24.203	22.144	20.086	18.027	15.968	13.910
72.5	26.140	22.520	18.900	15.280	11.661	11.057	10.454	9.850	9.247	8.643
75.0	18.118	14.890	11.663	8.435	5.208	5.383	5.558	5.734	5.909	6.084
77.5	13.634	11.216	8.798	6.381	3.963	4.330	4.697	5.064	5.431	5.799
80.0	11.618	9.862	8.107	6.351	4.596	4.890	5.184	5.478	5.772	6.065
82.5	12.568	10.805	9.041	7.278	5.514	5.708	5.902	6.097	6.291	6.485
85.0	14.986	12.860	10.735	8.609	6.484	6.515	6.546	6.577	6.608	6.640
87.5	16.645	14.098	11.552	9.005	6.458	6.284	6.110	5.936	5.762	5.587
90.0	18.304	15.409	12.513	9.618	6.722	6.407	6.093	5.778	5.463	5.149
92.5	18.908	16.009	13.111	10.212	7.314	7.108	6.902	6.697	6.491	6.285
95.0	18.128	15.388	12.648	9.908	7.168	7.117	7.067	7.016	6.965	6.915
97.5	16.878	14.335	11.792	9.249	6.707	6.678	6.650	6.622	6.594	6.566
100.0	15.561	13.175	10.789	8.403	6.017	6.062	6.107	6.152	6.197	6.242
102.5	14.552	12.385	10.217	8.050	5.882	5.946	6.010	6.074	6.138	6.202
105.0	13.761	11.812	9.863	7.914	5.965	6.031	6.096	6.162	6.228	6.293
107.5	12.796	11.067	9.339	7.610	5.882	6.030	6.177	6.325	6.472	6.620
110.0	11.729	10.228	8.728	7.227	5.726	5.939	6.153	6.366	6.579	6.793
112.5	10.579	9.267	7.956	6.644	5.332	5.582	5.832	6.082	6.332	6.583
115.0	9.550	8.410	7.270	6.130	4.990	5.214	5.437	5.661	5.884	6.108
117.5	8.699	7.730	6.762	5.793	4.824	5.050	5.277	5.503	5.730	5.956
120.0	7.945	7.165	6.385	5.604	4.824	5.034	5.244	5.453	5.663	5.873
122.5	7.439	6.792	6.144	5.497	4.850	5.038	5.226	5.414	5.602	5.789
125.0	6.880	6.366	5.852	5.338	4.824	4.983	5.142	5.301	5.460	5.620
127.5	6.151	5.782	5.412	5.043	4.674	4.775	4.876	4.978	5.079	5.180
130.0	5.913	5.581	5.249	4.917	4.585	4.674	4.763	4.851	4.940	5.029
132.5	5.659	5.384	5.109	4.834	4.559	4.651	4.742	4.834	4.926	5.017
135.0	5.357	5.107	4.857	4.607	4.357	4.478	4.599	4.720	4.841	4.962
137.5	5.158	4.966	4.773	4.581	4.388	4.506	4.623	4.741	4.858	4.976
140.0	4.923	4.768	4.614	4.459	4.305	4.432	4.559	4.685	4.812	4.939
142.5	4.627	4.539	4.450	4.362	4.274	4.381	4.487	4.594	4.701	4.807
145.0	4.521	4.423	4.325	4.227	4.129	4.236	4.343	4.451	4.558	4.665
147.5	4.470	4.385	4.300	4.214	4.129	4.187	4.245	4.304	4.362	4.420

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

150.0	4.295	4.253	4.212	4.170	4.129	4.127	4.124	4.122	4.120	4.117
152.5	4.132	4.132	4.133	4.133	4.134	4.116	4.097	4.079	4.060	4.042
155.0	3.826	3.873	3.920	3.968	4.015	4.020	4.024	4.029	4.033	4.038
157.5	3.490	3.557	3.623	3.689	3.756	3.789	3.822	3.856	3.889	3.922
160.0	3.411	3.489	3.567	3.646	3.724	3.754	3.784	3.814	3.844	3.874
162.5	3.490	3.572	3.654	3.736	3.818	3.838	3.857	3.877	3.896	3.916
165.0	3.790	3.818	3.846	3.873	3.901	3.925	3.949	3.973	3.997	4.022
167.5	4.163	4.170	4.177	4.184	4.191	4.266	4.341	4.416	4.491	4.565
170.0	4.150	4.160	4.170	4.181	4.191	4.246	4.302	4.357	4.412	4.468
172.5	4.115	4.119	4.122	4.126	4.129	4.156	4.183	4.210	4.237	4.265
175.0	4.092	4.101	4.111	4.120	4.129	4.152	4.175	4.198	4.221	4.244
177.5	4.065	4.081	4.097	4.113	4.129	4.123	4.117	4.112	4.106	4.100
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

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	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	860.758	862.307	863.855	865.404	865.584	865.764	865.944	866.123	866.303	866.483
5.0	798.304	789.737	781.171	772.604	769.654	766.705	763.755	760.805	757.856	754.906
7.5	720.455	714.647	708.839	703.031	699.568	696.106	692.644	689.182	685.720	682.258
10.0	652.476	647.948	643.421	638.893	635.388	631.883	628.377	624.872	621.367	617.862
12.5	593.289	586.754	580.218	573.683	569.963	566.244	562.525	558.806	555.087	551.368
15.0	531.287	523.153	515.018	506.884	502.981	499.078	495.175	491.272	487.370	483.467
17.5	468.766	460.190	451.613	443.037	439.618	436.199	432.781	429.362	425.943	422.524
20.0	418.425	408.366	398.306	388.247	385.324	382.401	379.477	376.554	373.631	370.708
22.5	368.860	358.864	348.868	338.872	335.466	332.060	328.654	325.247	321.841	318.435
25.0	320.052	309.960	299.869	289.777	286.864	283.951	281.039	278.126	275.213	272.300
27.5	277.681	268.519	259.357	250.195	248.355	246.515	244.674	242.834	240.994	239.154
30.0	245.300	237.375	229.451	221.526	220.494	219.463	218.431	217.400	216.368	215.337
32.5	218.495	212.299	206.103	199.907	198.832	197.756	196.681	195.605	194.530	193.454
35.0	194.422	189.549	184.675	179.802	178.143	176.485	174.826	173.167	171.509	169.850
37.5	172.127	167.474	162.821	158.168	156.619	155.070	153.522	151.973	150.424	148.876
40.0	152.020	147.542	143.064	138.586	137.264	135.942	134.620	133.298	131.975	130.653
42.5	134.757	130.346	125.936	121.526	121.009	120.492	119.975	119.458	118.941	118.424
45.0	121.248	117.539	113.829	110.120	110.419	110.717	111.016	111.314	111.613	111.911
47.5	110.545	107.611	104.677	101.743	101.938	102.134	102.329	102.524	102.720	102.915
50.0	99.251	96.868	94.484	92.100	92.012	91.925	91.837	91.750	91.662	91.575
52.5	87.769	85.632	83.495	81.358	81.004	80.650	80.296	79.942	79.589	79.235
55.0	76.805	74.988	73.170	71.352	70.772	70.192	69.613	69.033	68.453	67.873
57.5	65.768	63.815	61.863	59.910	59.684	59.458	59.232	59.006	58.780	58.554
60.0	55.304	53.236	51.168	49.100	48.979	48.858	48.737	48.616	48.495	48.374
62.5	44.765	42.707	40.649	38.591	38.310	38.030	37.749	37.469	37.188	36.907
65.0	34.037	31.890	29.742	27.595	26.977	26.359	25.741	25.123	24.506	23.888
67.5	21.071	18.525	15.980	13.434	12.805	12.175	11.546	10.917	10.287	9.658
70.0	11.851	9.792	7.734	5.675	5.848	6.021	6.194	6.367	6.539	6.712
72.5	8.040	7.436	6.833	6.230	6.464	6.699	6.933	7.168	7.402	7.637
75.0	6.259	6.435	6.610	6.785	7.081	7.377	7.674	7.970	8.266	8.562
77.5	6.166	6.533	6.900	7.267	7.626	7.984	8.343	8.701	9.060	9.418
80.0	6.359	6.653	6.947	7.241	7.679	8.117	8.555	8.993	9.431	9.869
82.5	6.679	6.874	7.068	7.262	7.668	8.075	8.481	8.887	9.293	9.700
85.0	6.671	6.702	6.733	6.764	7.189	7.615	8.040	8.465	8.891	9.316
87.5	5.413	5.239	5.065	4.891	5.167	5.442	5.718	5.993	6.269	6.544
90.0	4.834	4.519	4.205	3.890	3.763	3.636	3.510	3.383	3.256	3.129
92.5	6.079	5.874	5.668	5.462	5.312	5.162	5.012	4.862	4.713	4.563
95.0	6.864	6.813	6.763	6.712	6.458	6.205	5.951	5.698	5.444	5.191

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

97.5	6.538	6.509	6.481	6.453	6.239	6.024	5.810	5.595	5.381	5.166
100.0	6.287	6.332	6.377	6.422	6.265	6.108	5.952	5.795	5.638	5.481
102.5	6.266	6.330	6.394	6.458	6.346	6.234	6.123	6.011	5.899	5.787
105.0	6.359	6.425	6.490	6.556	6.468	6.381	6.293	6.206	6.118	6.031
107.5	6.767	6.915	7.062	7.210	7.167	7.124	7.080	7.037	6.994	6.951
110.0	7.006	7.219	7.433	7.646	7.600	7.554	7.508	7.462	7.415	7.369
112.5	6.833	7.083	7.333	7.583	7.599	7.614	7.630	7.645	7.661	7.676
115.0	6.331	6.555	6.778	7.002	7.084	7.166	7.248	7.330	7.411	7.493
117.5	6.183	6.409	6.636	6.862	6.909	6.957	7.004	7.051	7.099	7.146
120.0	6.083	6.292	6.502	6.712	6.808	6.903	6.999	7.095	7.190	7.286
122.5	5.977	6.165	6.353	6.541	6.636	6.731	6.826	6.921	7.017	7.112
125.0	5.779	5.938	6.097	6.256	6.350	6.445	6.539	6.634	6.728	6.823
127.5	5.282	5.383	5.485	5.586	5.657	5.728	5.799	5.870	5.941	6.012
130.0	5.118	5.206	5.295	5.384	5.343	5.301	5.260	5.218	5.177	5.135
132.5	5.109	5.201	5.292	5.384	5.375	5.367	5.358	5.349	5.341	5.332
135.0	5.083	5.204	5.325	5.446	5.451	5.455	5.460	5.465	5.469	5.474
137.5	5.093	5.211	5.328	5.446	5.504	5.562	5.621	5.679	5.737	5.795
140.0	5.066	5.192	5.319	5.446	5.501	5.557	5.612	5.667	5.723	5.778
142.5	4.914	5.021	5.127	5.234	5.277	5.319	5.362	5.404	5.447	5.490
145.0	4.772	4.880	4.987	5.094	5.085	5.076	5.066	5.057	5.048	5.039
147.5	4.478	4.536	4.594	4.653	4.621	4.589	4.557	4.526	4.494	4.462
150.0	4.115	4.113	4.110	4.108	4.117	4.126	4.136	4.145	4.154	4.163
152.5	4.023	4.005	3.986	3.968	3.961	3.953	3.946	3.938	3.931	3.923
155.0	4.042	4.047	4.051	4.056	4.013	3.971	3.928	3.885	3.843	3.800
157.5	3.956	3.989	4.023	4.056	4.006	3.957	3.907	3.858	3.808	3.759
160.0	3.904	3.934	3.964	3.994	3.951	3.909	3.866	3.823	3.781	3.738
162.5	3.935	3.955	3.974	3.994	3.964	3.934	3.904	3.874	3.844	3.814
165.0	4.046	4.070	4.094	4.118	4.082	4.047	4.011	3.975	3.940	3.904
167.5	4.640	4.715	4.790	4.865	4.784	4.704	4.623	4.542	4.462	4.381
170.0	4.523	4.578	4.634	4.689	4.628	4.567	4.506	4.445	4.383	4.322
172.5	4.292	4.319	4.346	4.373	4.344	4.314	4.285	4.255	4.226	4.196
175.0	4.267	4.290	4.313	4.336	4.288	4.239	4.191	4.143	4.094	4.046
177.5	4.094	4.089	4.083	4.077	4.006	3.934	3.863	3.791	3.720	3.648
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

Vert. Angles **Horizontal Angles**

	175.0	177.5	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5
0.0	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	866.663	866.843	867.023	867.722	868.421	869.120	869.819	870.518	871.217	871.916
5.0	751.956	749.007	746.057	747.849	749.642	751.434	753.226	755.019	756.811	758.603
7.5	678.796	675.334	671.872	674.195	676.518	678.842	681.165	683.488	685.811	688.135
10.0	614.356	610.851	607.346	610.467	613.589	616.710	619.832	622.953	626.075	629.196
12.5	547.649	543.930	540.211	544.556	548.901	553.246	557.591	561.936	566.281	570.626
15.0	479.564	475.661	471.758	476.097	480.435	484.774	489.112	493.451	497.789	502.128
17.5	419.106	415.687	412.268	416.094	419.919	423.745	427.571	431.397	435.222	439.048
20.0	367.784	364.861	361.938	365.359	368.780	372.202	375.623	379.044	382.465	385.887
22.5	315.029	311.623	308.217	312.523	316.829	321.136	325.442	329.748	334.055	338.361
25.0	269.388	266.475	263.562	267.398	271.234	275.070	278.906	282.743	286.579	290.415
27.5	237.313	235.473	233.633	236.282	238.932	241.581	244.231	246.880	249.529	252.179
30.0	214.305	213.274	212.242	214.083	215.924	217.764	219.605	221.446	223.287	225.127
32.5	192.379	191.303	190.228	192.019	193.809	195.600	197.391	199.181	200.972	202.763
35.0	168.191	166.533	164.874	166.986	169.097	171.209	173.321	175.432	177.544	179.656
37.5	147.327	145.778	144.230	146.122	148.015	149.908	151.800	153.693	155.586	157.478
40.0	129.331	128.009	126.687	128.370	130.053	131.736	133.419	135.101	136.784	138.467
42.5	117.907	117.390	116.874	117.765	118.657	119.548	120.440	121.332	122.223	123.115

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

45.0	112.210	112.508	112.807	112.927	113.047	113.167	113.287	113.406	113.526	113.646
47.5	103.110	103.306	103.501	103.675	103.849	104.023	104.197	104.372	104.546	104.720
50.0	91.487	91.400	91.312	91.793	92.273	92.754	93.235	93.715	94.196	94.677
52.5	78.881	78.527	78.173	78.921	79.669	80.417	81.165	81.914	82.662	83.410
55.0	67.294	66.714	66.134	67.114	68.094	69.073	70.053	71.033	72.013	72.992
57.5	58.328	58.102	57.876	58.502	59.127	59.752	60.378	61.003	61.628	62.254
60.0	48.253	48.132	48.011	48.393	48.774	49.156	49.537	49.919	50.300	50.682
62.5	36.627	36.346	36.066	36.586	37.106	37.627	38.147	38.667	39.188	39.708
65.0	23.270	22.652	22.034	22.859	23.685	24.510	25.335	26.161	26.986	27.811
67.5	9.029	8.399	7.770	8.558	9.346	10.134	10.921	11.709	12.497	13.285
70.0	6.885	7.058	7.231	7.051	6.871	6.691	6.511	6.332	6.152	5.972
72.5	7.871	8.106	8.341	8.083	7.826	7.569	7.312	7.055	6.798	6.541
75.0	8.859	9.155	9.451	9.135	8.819	8.503	8.187	7.872	7.556	7.240
77.5	9.777	10.135	10.494	10.123	9.753	9.383	9.013	8.643	8.273	7.903
80.0	10.307	10.745	11.183	10.733	10.284	9.834	9.385	8.935	8.486	8.036
82.5	10.106	10.512	10.919	10.498	10.077	9.656	9.236	8.815	8.394	7.973
85.0	9.741	10.167	10.592	10.174	9.755	9.337	8.918	8.500	8.081	7.663
87.5	6.820	7.095	7.371	7.105	6.839	6.574	6.308	6.042	5.777	5.511
90.0	3.003	2.876	2.749	2.900	3.051	3.202	3.353	3.504	3.655	3.806
92.5	4.413	4.263	4.113	4.317	4.521	4.725	4.929	5.133	5.337	5.541
95.0	4.937	4.684	4.430	4.711	4.992	5.274	5.555	5.836	6.117	6.399
97.5	4.952	4.737	4.523	4.797	5.071	5.344	5.618	5.892	6.166	6.439
100.0	5.325	5.168	5.011	5.208	5.405	5.602	5.799	5.997	6.194	6.391
102.5	5.675	5.563	5.452	5.593	5.734	5.875	6.016	6.157	6.299	6.440
105.0	5.943	5.856	5.768	5.887	6.005	6.124	6.243	6.361	6.480	6.599
107.5	6.907	6.864	6.821	6.853	6.884	6.916	6.948	6.979	7.011	7.043
110.0	7.323	7.277	7.231	7.240	7.249	7.259	7.268	7.277	7.286	7.296
112.5	7.692	7.707	7.723	7.664	7.604	7.545	7.486	7.426	7.367	7.308
115.0	7.575	7.657	7.739	7.692	7.645	7.597	7.550	7.503	7.456	7.408
117.5	7.193	7.241	7.288	7.306	7.325	7.343	7.362	7.380	7.399	7.417
120.0	7.382	7.477	7.573	7.537	7.501	7.466	7.430	7.394	7.358	7.323
122.5	7.207	7.302	7.397	7.345	7.293	7.241	7.189	7.138	7.086	7.034
125.0	6.917	7.012	7.106	7.018	6.931	6.843	6.756	6.668	6.581	6.493
127.5	6.083	6.154	6.225	6.098	5.971	5.844	5.717	5.590	5.464	5.337
130.0	5.094	5.052	5.011	5.006	5.002	4.997	4.992	4.988	4.983	4.978
132.5	5.323	5.315	5.306	5.272	5.238	5.204	5.170	5.136	5.102	5.068
135.0	5.479	5.483	5.488	5.437	5.386	5.336	5.285	5.234	5.183	5.133
137.5	5.854	5.912	5.970	5.885	5.801	5.716	5.631	5.547	5.462	5.377
140.0	5.833	5.889	5.944	5.862	5.780	5.699	5.617	5.535	5.453	5.372
142.5	5.532	5.575	5.618	5.562	5.506	5.450	5.394	5.338	5.282	5.226
145.0	5.029	5.020	5.011	4.935	4.859	4.783	4.707	4.630	4.554	4.478
147.5	4.430	4.399	4.367	4.304	4.240	4.177	4.114	4.050	3.987	3.924
150.0	4.173	4.182	4.191	4.102	4.013	3.925	3.836	3.747	3.658	3.570
152.5	3.916	3.908	3.901	3.837	3.774	3.710	3.647	3.584	3.520	3.457
155.0	3.757	3.715	3.672	3.634	3.596	3.558	3.520	3.482	3.444	3.406
157.5	3.709	3.660	3.610	3.579	3.548	3.517	3.486	3.454	3.423	3.392
160.0	3.695	3.653	3.610	3.573	3.536	3.499	3.462	3.426	3.389	3.352
162.5	3.784	3.754	3.724	3.674	3.625	3.575	3.526	3.476	3.427	3.377
165.0	3.868	3.833	3.797	3.753	3.709	3.666	3.622	3.578	3.534	3.491
167.5	4.300	4.220	4.139	4.095	4.051	4.008	3.964	3.920	3.876	3.833
170.0	4.261	4.200	4.139	4.081	4.024	3.966	3.909	3.851	3.794	3.736
172.5	4.167	4.137	4.108	4.051	3.994	3.937	3.880	3.823	3.766	3.709
175.0	3.998	3.949	3.901	3.844	3.788	3.731	3.675	3.618	3.562	3.505
177.5	3.577	3.505	3.434	3.413	3.392	3.372	3.351	3.330	3.309	3.289
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

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

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	872.615	873.315	872.813	872.312	871.810	871.309	870.808	870.306	869.805	869.303
5.0	760.396	762.188	768.991	775.794	782.597	789.400	796.204	803.007	809.810	816.613
7.5	690.458	692.781	698.875	704.969	711.063	717.157	723.252	729.346	735.440	741.534
10.0	632.318	635.439	641.643	647.846	654.050	660.253	666.457	672.660	678.864	685.067
12.5	574.971	579.316	587.508	595.701	603.893	612.086	620.278	628.471	636.663	644.856
15.0	506.466	510.805	519.047	527.288	535.530	543.771	552.013	560.254	568.496	576.737
17.5	442.874	446.700	455.652	464.604	473.556	482.508	491.460	500.413	509.365	518.317
20.0	389.308	392.729	402.573	412.416	422.260	432.104	441.947	451.791	461.635	471.478
22.5	342.668	346.974	356.480	365.985	375.491	384.996	394.502	404.007	413.513	423.018
25.0	294.251	298.087	307.660	317.233	326.806	336.379	345.951	355.524	365.097	374.670
27.5	254.828	257.478	267.249	277.020	286.791	296.562	306.333	316.105	325.876	335.647
30.0	226.968	228.809	237.436	246.062	254.689	263.315	271.942	280.568	289.195	297.821
32.5	204.553	206.344	213.121	219.897	226.674	233.450	240.227	247.003	253.780	260.556
35.0	181.767	183.879	189.442	195.005	200.567	206.130	211.693	217.256	222.818	228.381
37.5	159.371	161.264	166.473	171.683	176.892	182.102	187.311	192.521	197.730	202.940
40.0	140.150	141.833	146.999	152.166	157.332	162.498	167.665	172.831	177.997	183.164
42.5	124.006	124.898	129.797	134.697	139.596	144.496	149.395	154.294	159.194	164.093
45.0	113.766	113.886	118.015	122.144	126.272	130.401	134.530	138.659	142.787	146.916
47.5	104.894	105.068	108.331	111.594	114.858	118.121	121.384	124.647	127.910	131.173
50.0	95.157	95.638	98.280	100.922	103.564	106.206	108.847	111.489	114.131	116.773
52.5	84.158	84.906	87.109	89.312	91.514	93.717	95.920	98.123	100.325	102.528
55.0	73.972	74.952	76.840	78.728	80.616	82.504	84.393	86.281	88.169	90.057
57.5	62.879	63.504	65.417	67.329	69.241	71.154	73.066	74.978	76.890	78.803
60.0	51.063	51.445	53.508	55.571	57.635	59.698	61.761	63.824	65.888	67.951
62.5	40.229	40.749	42.771	44.794	46.816	48.838	50.861	52.883	54.905	56.928
65.0	28.637	29.462	31.592	33.722	35.852	37.982	40.113	42.243	44.373	46.503
67.5	14.073	14.861	17.387	19.914	22.441	24.967	27.494	30.021	32.547	35.074
70.0	5.792	5.612	7.770	9.928	12.085	14.243	16.401	18.559	20.716	22.874
72.5	6.284	6.027	6.749	7.471	8.194	8.916	9.638	10.360	11.082	11.804
75.0	6.924	6.608	6.435	6.262	6.089	5.916	5.744	5.571	5.398	5.225
77.5	7.533	7.163	6.754	6.345	5.936	5.526	5.117	4.708	4.299	3.890
80.0	7.587	7.137	6.819	6.501	6.183	5.865	5.546	5.228	4.910	4.592
82.5	7.553	7.132	6.938	6.744	6.549	6.355	6.161	5.967	5.772	5.578
85.0	7.244	6.826	6.814	6.803	6.791	6.780	6.768	6.757	6.745	6.734
87.5	5.245	4.980	5.234	5.488	5.742	5.996	6.250	6.505	6.759	7.013
90.0	3.957	4.108	4.490	4.871	5.253	5.634	6.016	6.397	6.779	7.160
92.5	5.745	5.949	6.177	6.404	6.632	6.860	7.087	7.315	7.543	7.770
95.0	6.680	6.961	7.057	7.152	7.248	7.344	7.439	7.535	7.631	7.726
97.5	6.713	6.987	7.018	7.048	7.079	7.109	7.140	7.170	7.201	7.231
100.0	6.588	6.785	6.796	6.808	6.819	6.831	6.842	6.854	6.865	6.877
102.5	6.581	6.722	6.754	6.786	6.817	6.849	6.881	6.913	6.944	6.976
105.0	6.717	6.836	6.854	6.873	6.891	6.910	6.928	6.947	6.965	6.984
107.5	7.074	7.106	7.094	7.083	7.071	7.060	7.048	7.037	7.025	7.014
110.0	7.305	7.314	7.260	7.206	7.151	7.097	7.043	6.989	6.934	6.880
112.5	7.248	7.189	7.084	6.979	6.875	6.770	6.665	6.560	6.455	6.350
115.0	7.361	7.314	7.149	6.984	6.819	6.654	6.490	6.325	6.160	5.995
117.5	7.436	7.454	7.196	6.938	6.679	6.421	6.163	5.905	5.646	5.388
120.0	7.287	7.251	6.944	6.638	6.331	6.025	5.718	5.412	5.105	4.799
122.5	6.982	6.930	6.646	6.363	6.079	5.796	5.512	5.229	4.945	4.662
125.0	6.406	6.318	6.083	5.848	5.612	5.377	5.142	4.907	4.671	4.436
127.5	5.210	5.083	4.982	4.881	4.781	4.680	4.579	4.478	4.377	4.276
130.0	4.974	4.969	4.845	4.720	4.596	4.471	4.347	4.222	4.098	3.973

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

CANDELA TABULATION - (Cont.)

132.5	5.034	5.000	4.840	4.680	4.519	4.359	4.199	4.039	3.878	3.718
135.0	5.082	5.031	4.862	4.692	4.523	4.353	4.184	4.014	3.845	3.675
137.5	5.293	5.208	5.015	4.823	4.630	4.438	4.245	4.053	3.860	3.668
140.0	5.290	5.208	5.012	4.816	4.620	4.424	4.228	4.032	3.836	3.640
142.5	5.170	5.115	4.925	4.736	4.547	4.358	4.169	3.980	3.791	3.602
145.0	4.402	4.326	4.221	4.116	4.011	3.906	3.802	3.697	3.592	3.487
147.5	3.860	3.797	3.732	3.667	3.602	3.537	3.471	3.406	3.341	3.276
150.0	3.481	3.392	3.307	3.222	3.136	3.051	2.966	2.881	2.795	2.710
152.5	3.393	3.330	3.271	3.212	3.154	3.095	3.036	2.977	2.919	2.860
155.0	3.368	3.330	3.317	3.305	3.292	3.279	3.267	3.254	3.241	3.229
157.5	3.361	3.330	3.324	3.317	3.311	3.305	3.298	3.292	3.286	3.279
160.0	3.315	3.278	3.271	3.264	3.257	3.250	3.244	3.237	3.230	3.223
162.5	3.328	3.278	3.261	3.243	3.226	3.209	3.192	3.174	3.157	3.140
165.0	3.447	3.403	3.382	3.361	3.341	3.320	3.299	3.278	3.258	3.237
167.5	3.789	3.745	3.699	3.653	3.607	3.561	3.514	3.468	3.422	3.376
170.0	3.679	3.621	3.576	3.531	3.486	3.441	3.396	3.351	3.306	3.261
172.5	3.652	3.595	3.553	3.511	3.469	3.427	3.384	3.342	3.300	3.258
175.0	3.449	3.392	3.359	3.325	3.292	3.258	3.225	3.191	3.158	3.124
177.5	3.268	3.247	3.216	3.186	3.155	3.125	3.094	3.064	3.033	3.003
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

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	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	868.802	867.321	865.840	864.358	862.877	861.396	859.915	858.433	856.952	855.471
5.0	823.416	832.614	841.812	851.011	860.209	869.407	878.605	887.804	897.002	906.200
7.5	747.628	759.982	772.336	784.689	797.043	809.397	821.751	834.104	846.458	858.812
10.0	691.271	704.447	717.623	730.800	743.976	757.152	770.328	783.505	796.681	809.857
12.5	653.049	663.414	673.780	684.146	694.512	704.878	715.244	725.610	735.976	746.342
15.0	584.979	598.063	611.147	624.231	637.315	650.399	663.483	676.567	689.651	702.735
17.5	527.269	542.034	556.799	571.564	586.329	601.095	615.860	630.625	645.390	660.155
20.0	481.322	498.322	515.321	532.321	549.320	566.320	583.319	600.319	617.318	634.318
22.5	432.524	451.075	469.627	488.178	506.730	525.281	543.833	562.384	580.936	599.488
25.0	384.243	403.253	422.263	441.272	460.282	479.292	498.302	517.311	536.321	555.331
27.5	345.418	363.479	381.540	399.601	417.662	435.724	453.785	471.846	489.907	507.968
30.0	306.448	324.944	343.439	361.935	380.431	398.926	417.422	435.918	454.413	472.909
32.5	267.333	285.419	303.506	321.592	339.679	357.765	375.852	393.938	412.025	430.111
35.0	233.944	251.814	269.684	287.553	305.423	323.293	341.163	359.032	376.902	394.772
37.5	208.149	224.707	241.264	257.822	274.379	290.937	307.494	324.052	340.609	357.167
40.0	188.330	203.430	218.530	233.630	248.730	263.829	278.929	294.029	309.129	324.229
42.5	168.993	181.959	194.925	207.892	220.858	233.824	246.791	259.757	272.723	285.690
45.0	151.045	162.099	173.153	184.207	195.261	206.316	217.370	228.424	239.478	250.532
47.5	134.437	143.715	152.993	162.272	171.550	180.829	190.107	199.386	208.664	217.943
50.0	119.415	127.098	134.780	142.463	150.145	157.828	165.510	173.193	180.875	188.558
52.5	104.731	111.486	118.240	124.995	131.749	138.504	145.259	152.013	158.768	165.523
55.0	91.945	98.061	104.177	110.293	116.409	122.525	128.641	134.757	140.873	146.989
57.5	80.715	86.377	92.040	97.702	103.365	109.027	114.690	120.352	126.015	131.677
60.0	70.014	75.352	80.690	86.028	91.366	96.704	102.042	107.380	112.718	118.056
62.5	58.950	64.083	69.216	74.349	79.481	84.614	89.747	94.880	100.013	105.146
65.0	48.633	53.334	58.034	62.735	67.435	72.136	76.836	81.537	86.237	90.938
67.5	37.601	41.944	46.287	50.630	54.974	59.317	63.660	68.003	72.347	76.690
70.0	25.032	29.186	33.340	37.495	41.649	45.803	49.957	54.112	58.266	62.420
72.5	12.527	16.664	20.802	24.939	29.077	33.214	37.352	41.489	45.627	49.764
75.0	5.052	8.761	12.471	16.180	19.889	23.599	27.308	31.017	34.727	38.436
77.5	3.481	6.230	8.980	11.730	14.479	17.229	19.979	22.728	25.478	28.228

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

80.0	4.274	6.110	7.946	9.783	11.619	13.455	15.291	17.128	18.964	20.800
82.5	5.384	7.135	8.886	10.637	12.388	14.139	15.890	17.641	19.392	21.143
85.0	6.722	8.910	11.098	13.285	15.473	17.661	19.849	22.036	24.224	26.412
87.5	7.267	9.904	12.542	15.179	17.816	20.454	23.091	25.728	28.366	31.003
90.0	7.542	10.612	13.681	16.751	19.820	22.890	25.959	29.029	32.098	35.168
92.5	7.998	11.060	14.122	17.184	20.246	23.308	26.370	29.432	32.494	35.557
95.0	7.822	10.739	13.657	16.574	19.492	22.409	25.327	28.244	31.162	34.079
97.5	7.262	9.979	12.697	15.414	18.132	20.849	23.566	26.284	29.001	31.719
100.0	6.888	9.352	11.817	14.281	16.746	19.210	21.675	24.139	26.604	29.068
102.5	7.008	9.178	11.349	13.519	15.690	17.860	20.031	22.201	24.372	26.542
105.0	7.002	8.910	10.817	12.725	14.633	16.540	18.448	20.356	22.263	24.171
107.5	7.002	8.662	10.322	11.982	13.642	15.301	16.961	18.621	20.281	21.941
110.0	6.826	8.261	9.696	11.131	12.566	14.002	15.437	16.872	18.307	19.742
112.5	6.246	7.507	8.769	10.030	11.292	12.553	13.815	15.076	16.338	17.600
115.0	5.830	6.917	8.004	9.091	10.178	11.265	12.352	13.439	14.526	15.613
117.5	5.130	6.094	7.058	8.023	8.987	9.951	10.915	11.879	12.843	13.808
120.0	4.492	5.366	6.239	7.113	7.987	8.860	9.734	10.608	11.481	12.355
122.5	4.378	5.112	5.846	6.581	7.315	8.049	8.783	9.518	10.252	10.986
125.0	4.201	4.822	5.444	6.065	6.686	7.308	7.929	8.550	9.172	9.793
127.5	4.176	4.657	5.138	5.619	6.100	6.582	7.063	7.544	8.025	8.507
130.0	3.849	4.302	4.755	5.208	5.661	6.114	6.567	7.020	7.473	7.926
132.5	3.558	3.959	4.360	4.762	5.163	5.564	5.965	6.366	6.767	7.169
135.0	3.506	3.835	4.163	4.492	4.820	5.149	5.477	5.806	6.134	6.463
137.5	3.475	3.736	3.997	4.258	4.519	4.781	5.042	5.303	5.564	5.825
140.0	3.444	3.638	3.831	4.025	4.219	4.412	4.606	4.800	4.993	5.187
142.5	3.413	3.588	3.762	3.937	4.112	4.286	4.461	4.636	4.810	4.985
145.0	3.382	3.505	3.629	3.752	3.875	3.999	4.122	4.245	4.369	4.492
147.5	3.211	3.294	3.377	3.460	3.543	3.626	3.709	3.792	3.875	3.958
150.0	2.625	2.690	2.754	2.819	2.883	2.948	3.012	3.077	3.141	3.206
152.5	2.801	2.811	2.821	2.830	2.840	2.850	2.860	2.869	2.879	2.889
155.0	3.216	3.150	3.085	3.019	2.953	2.888	2.822	2.756	2.691	2.625
157.5	3.273	3.201	3.129	3.057	2.985	2.913	2.841	2.769	2.697	2.625
160.0	3.216	3.150	3.085	3.019	2.953	2.888	2.822	2.756	2.691	2.625
162.5	3.123	3.074	3.025	2.976	2.927	2.878	2.829	2.780	2.731	2.682
165.0	3.216	3.164	3.112	3.060	3.008	2.957	2.905	2.853	2.801	2.749
167.5	3.330	3.336	3.342	3.347	3.353	3.359	3.365	3.370	3.376	3.382
170.0	3.216	3.234	3.253	3.271	3.290	3.308	3.327	3.345	3.364	3.382
172.5	3.216	3.238	3.260	3.282	3.304	3.325	3.347	3.369	3.391	3.413
175.0	3.091	3.116	3.142	3.167	3.193	3.218	3.244	3.269	3.295	3.320
177.5	2.972	3.011	3.049	3.088	3.127	3.165	3.204	3.243	3.281	3.320
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

**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	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	858.367	861.262	864.158	867.053	869.949	872.844	875.740	878.635	881.531	889.276
5.0	906.266	906.331	906.397	906.463	906.528	906.594	906.660	906.725	906.791	923.550
7.5	862.671	866.530	870.389	874.248	878.108	881.967	885.826	889.685	893.544	907.232
10.0	818.556	827.255	835.954	844.653	853.353	862.052	870.751	879.450	888.149	903.221
12.5	760.517	774.693	788.868	803.044	817.219	831.395	845.570	859.746	873.921	887.757
15.0	720.412	738.089	755.767	773.444	791.121	808.798	826.476	844.153	861.830	875.793
17.5	682.077	703.999	725.921	747.843	769.765	791.687	813.609	835.531	857.453	872.352
20.0	658.814	683.311	707.807	732.304	756.800	781.297	805.793	830.290	854.786	873.493
22.5	624.847	650.207	675.567	700.927	726.287	751.647	777.006	802.366	827.726	852.698
25.0	583.600	611.869	640.138	668.407	696.677	724.946	753.215	781.484	809.753	832.760

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

CANDELA TABULATION - (Cont.)

27.5	537.408	566.849	596.289	625.729	655.169	684.610	714.050	743.490	772.931	800.346
30.0	503.376	533.844	564.311	594.778	625.246	655.713	686.180	716.648	747.115	774.337
32.5	461.140	492.169	523.199	554.228	585.257	616.286	647.316	678.345	709.374	742.039
35.0	427.239	459.706	492.174	524.641	557.108	589.575	622.043	654.510	686.977	721.420
37.5	390.045	422.924	455.803	488.681	521.560	554.439	587.317	620.196	653.075	690.796
40.0	356.998	389.767	422.536	455.305	488.075	520.844	553.613	586.382	619.151	658.599
42.5	319.961	354.233	388.505	422.776	457.048	491.320	525.591	559.863	594.135	635.389
45.0	285.159	319.786	354.414	389.041	423.668	458.295	492.923	527.550	562.177	603.404
47.5	252.069	286.195	320.322	354.448	388.574	422.701	456.827	490.954	525.080	562.237
50.0	221.882	255.205	288.529	321.852	355.176	388.499	421.823	455.146	488.470	526.194
52.5	198.002	230.481	262.960	295.440	327.919	360.398	392.877	425.357	457.836	498.157
55.0	177.972	208.954	239.937	270.919	301.902	332.884	363.867	394.849	425.832	471.947
57.5	160.471	189.264	218.058	246.851	275.645	304.439	333.232	362.026	390.819	443.512
60.0	143.325	168.594	193.862	219.131	244.400	269.669	294.937	320.206	345.475	393.440
62.5	126.646	148.147	169.648	191.148	212.649	234.150	255.651	277.151	298.652	344.141
65.0	109.933	128.928	147.923	166.918	185.912	204.907	223.902	242.897	261.892	301.548
67.5	92.109	107.527	122.946	138.365	153.783	169.202	184.621	200.039	215.458	254.175
70.0	75.004	87.587	100.171	112.755	125.338	137.922	150.506	163.089	175.673	214.280
72.5	58.950	68.136	77.323	86.509	95.695	104.881	114.067	123.253	132.440	167.229
75.0	45.775	53.114	60.453	67.792	75.131	82.470	89.809	97.148	104.487	134.527
77.5	34.548	40.868	47.188	53.508	59.828	66.148	72.468	78.788	85.108	112.231
80.0	26.082	31.363	36.645	41.926	47.208	52.489	57.771	63.052	68.334	103.748
82.5	24.509	27.875	31.242	34.608	37.974	41.341	44.707	48.073	51.440	91.664
85.0	27.921	29.430	30.939	32.448	33.956	35.465	36.974	38.483	39.992	85.643
87.5	31.589	32.175	32.761	33.347	33.933	34.519	35.105	35.691	36.278	83.256
90.0	35.400	35.631	35.863	36.095	36.326	36.558	36.790	37.021	37.253	83.091
92.5	36.025	36.494	36.962	37.431	37.900	38.368	38.837	39.305	39.774	80.676
95.0	34.797	35.515	36.233	36.951	37.670	38.388	39.106	39.824	40.542	77.984
97.5	32.794	33.869	34.945	36.020	37.096	38.171	39.247	40.322	41.398	73.320
100.0	30.539	32.010	33.480	34.951	36.422	37.893	39.363	40.834	42.305	72.213
102.5	28.363	30.183	32.004	33.824	35.645	37.466	39.286	41.107	42.928	67.485
105.0	26.256	28.341	30.427	32.512	34.597	36.682	38.768	40.853	42.938	63.821
107.5	24.158	26.374	28.591	30.807	33.024	35.241	37.457	39.674	41.891	60.540
110.0	22.030	24.318	26.606	28.894	31.182	33.470	35.758	38.046	40.334	55.411
112.5	19.915	22.230	24.545	26.860	29.175	31.490	33.805	36.120	38.436	51.601
115.0	17.863	20.113	22.363	24.613	26.863	29.113	31.363	33.613	35.863	47.707
117.5	15.961	18.114	20.267	22.420	24.574	26.727	28.880	31.033	33.187	43.643
120.0	14.355	16.355	18.355	20.355	22.354	24.354	26.354	28.354	30.354	39.522
122.5	12.793	14.601	16.408	18.216	20.023	21.830	23.638	25.445	27.253	35.421
125.0	11.365	12.937	14.510	16.082	17.654	19.226	20.799	22.371	23.943	31.193
127.5	9.847	11.188	12.528	13.869	15.210	16.550	17.891	19.231	20.572	26.929
130.0	9.019	10.111	11.204	12.297	13.389	14.482	15.575	16.667	17.760	23.278
132.5	8.140	9.112	10.084	11.055	12.027	12.999	13.970	14.942	15.914	20.582
135.0	7.304	8.146	8.987	9.829	10.670	11.512	12.353	13.195	14.036	17.965
137.5	6.537	7.250	7.962	8.674	9.387	10.099	10.811	11.524	12.236	15.542
140.0	5.783	6.379	6.975	7.571	8.166	8.762	9.358	9.954	10.550	13.348
142.5	5.469	5.952	6.436	6.919	7.403	7.886	8.370	8.853	9.337	11.709
145.0	4.951	5.410	5.868	6.327	6.786	7.245	7.703	8.162	8.621	10.499
147.5	4.408	4.857	5.307	5.756	6.206	6.655	7.105	7.554	8.004	9.432
150.0	3.645	4.084	4.523	4.962	5.402	5.841	6.280	6.719	7.158	8.094
152.5	3.277	3.666	4.054	4.443	4.831	5.220	5.608	5.997	6.385	6.798
155.0	2.971	3.317	3.662	4.008	4.354	4.700	5.045	5.391	5.737	5.925
157.5	2.869	3.114	3.358	3.602	3.847	4.091	4.335	4.580	4.824	4.928
160.0	2.800	2.975	3.150	3.325	3.501	3.676	3.851	4.026	4.201	4.254
162.5	2.806	2.931	3.055	3.180	3.304	3.429	3.553	3.678	3.802	3.857
165.0	2.865	2.982	3.098	3.215	3.331	3.448	3.564	3.681	3.797	3.825

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

167.5	3.428	3.474	3.520	3.566	3.613	3.659	3.705	3.751	3.797	3.799
170.0	3.448	3.513	3.579	3.645	3.710	3.776	3.842	3.907	3.973	3.974
172.5	3.463	3.512	3.562	3.611	3.661	3.710	3.760	3.809	3.859	3.880
175.0	3.380	3.440	3.500	3.560	3.619	3.679	3.739	3.799	3.859	3.880
177.5	3.380	3.440	3.500	3.560	3.619	3.679	3.739	3.799	3.859	3.880
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

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	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	897.021	904.767	912.512	920.257	928.003	935.748	943.493	951.239	956.601	961.964
5.0	940.308	957.067	973.826	990.584	1007.343	1024.102	1040.860	1057.619	1053.930	1050.242
7.5	920.920	934.608	948.296	961.983	975.671	989.359	1003.047	1016.735	1017.823	1018.910
10.0	918.294	933.366	948.438	963.511	978.583	993.655	1008.728	1023.800	1026.030	1028.261
12.5	901.592	915.428	929.263	943.099	956.934	970.770	984.605	998.441	1011.977	1025.514
15.0	889.757	903.720	917.684	931.647	945.611	959.574	973.538	987.501	1002.584	1017.666
17.5	887.252	902.152	917.052	931.952	946.852	961.752	976.652	991.552	1005.560	1019.569
20.0	892.199	910.906	929.613	948.319	967.026	985.733	1004.439	1023.146	1038.472	1053.798
22.5	877.670	902.642	927.614	952.586	977.558	1002.530	1027.502	1052.474	1074.821	1097.169
25.0	855.767	878.775	901.782	924.789	947.796	970.804	993.811	1016.818	1041.042	1065.267
27.5	827.762	855.177	882.593	910.008	937.424	964.839	992.255	1019.671	1037.686	1055.702
30.0	801.560	828.782	856.005	883.227	910.450	937.672	964.895	992.117	1025.743	1059.368
32.5	774.704	807.369	840.033	872.698	905.363	938.028	970.693	1003.358	1033.138	1062.918
35.0	755.863	790.305	824.748	859.191	893.634	928.076	962.519	996.962	1015.129	1033.296
37.5	728.518	766.239	803.961	841.682	879.404	917.125	954.847	992.569	1023.915	1055.261
40.0	698.047	737.494	776.942	816.390	855.838	895.285	934.733	974.181	1019.193	1064.204
42.5	676.644	717.898	759.153	800.407	841.662	882.916	924.171	965.425	994.707	1023.989
45.0	644.632	685.859	727.087	768.314	809.542	850.769	891.997	933.224	955.167	977.111
47.5	599.394	636.550	673.707	710.864	748.021	785.177	822.334	859.491	893.616	927.742
50.0	563.919	601.643	639.368	677.092	714.817	752.541	790.266	827.990	883.939	939.889
52.5	538.478	578.799	619.119	659.440	699.761	740.082	780.403	820.724	906.115	991.507
55.0	518.062	564.176	610.291	656.406	702.521	748.635	794.750	840.865	881.687	922.508
57.5	496.205	548.898	601.591	654.284	706.977	759.670	812.363	865.056	894.442	923.828
60.0	441.405	489.369	537.334	585.299	633.264	681.228	729.193	777.158	812.110	847.063
62.5	389.630	435.119	480.607	526.096	571.585	617.074	662.563	708.052	757.086	806.120
65.0	341.205	380.861	420.517	460.174	499.830	539.486	579.143	618.799	716.071	813.344
67.5	292.893	331.610	370.328	409.045	447.763	486.480	525.198	563.915	643.349	722.782
70.0	252.888	291.495	330.103	368.710	407.318	445.925	484.533	523.140	579.877	636.613
72.5	202.019	236.809	271.599	306.389	341.179	375.968	410.758	445.548	487.763	529.978
75.0	164.566	194.606	224.646	254.685	284.725	314.765	344.804	374.844	418.767	462.691
77.5	139.355	166.478	193.602	220.725	247.849	274.972	302.096	329.219	381.764	434.310
80.0	139.163	174.577	209.992	245.406	280.821	316.235	351.650	387.064	404.948	422.831
82.5	131.888	172.112	212.336	252.560	292.784	333.008	373.232	413.456	433.665	453.875
85.0	131.295	176.946	222.597	268.249	313.900	359.551	405.203	450.854	486.550	522.246
87.5	130.234	177.212	224.190	271.168	318.146	365.124	412.102	459.081	503.194	547.308
90.0	128.929	174.767	220.605	266.444	312.282	358.120	403.958	449.796	499.150	548.503
92.5	121.578	162.480	203.381	244.283	285.185	326.087	366.989	407.891	469.037	530.184
95.0	115.426	152.868	190.310	227.752	265.194	302.636	340.078	377.520	430.860	484.199
97.5	105.243	137.165	169.088	201.010	232.933	264.855	296.778	328.700	380.727	432.754
100.0	102.121	132.030	161.938	191.846	221.754	251.663	281.571	311.479	364.020	416.561
102.5	92.043	116.600	141.158	165.716	190.273	214.831	239.388	263.946	318.259	372.571
105.0	84.704	105.587	126.470	147.352	168.235	189.118	210.001	230.884	275.806	320.727
107.5	79.189	97.838	116.487	135.136	153.785	172.434	191.083	209.732	254.297	298.863
110.0	70.488	85.565	100.642	115.718	130.795	145.872	160.949	176.026	223.107	270.187
112.5	64.767	77.933	91.099	104.264	117.430	130.596	143.762	156.928	200.777	244.627

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

115.0	59.550	71.394	83.238	95.081	106.925	118.769	130.612	142.456	181.234	220.012
117.5	54.099	64.556	75.012	85.469	95.925	106.382	116.838	127.295	162.092	196.889
120.0	48.691	57.859	67.027	76.196	85.364	94.532	103.701	112.869	143.103	173.338
122.5	43.589	51.758	59.926	68.094	76.263	84.431	92.600	100.768	126.489	152.210
125.0	38.444	45.694	52.944	60.195	67.445	74.695	81.946	89.196	109.709	130.222
127.5	33.286	39.643	46.000	52.357	58.714	65.071	71.428	77.785	94.144	110.504
130.0	28.796	34.314	39.832	45.349	50.867	56.385	61.903	67.421	81.026	94.631
132.5	25.250	29.919	34.587	39.255	43.924	48.592	53.260	57.929	69.588	81.248
135.0	21.895	25.824	29.754	33.683	37.613	41.542	45.472	49.401	59.864	70.327
137.5	18.848	22.154	25.459	28.765	32.071	35.377	38.683	41.989	51.149	60.309
140.0	16.145	18.943	21.740	24.538	27.335	30.133	32.930	35.728	43.538	51.349
142.5	14.080	16.452	18.823	21.195	23.566	25.938	28.309	30.681	37.257	43.833
145.0	12.376	14.254	16.132	18.009	19.887	21.765	23.642	25.520	31.023	36.526
147.5	10.859	12.287	13.714	15.142	16.569	17.997	19.424	20.852	25.429	30.007
150.0	9.030	9.966	10.902	11.838	12.774	13.710	14.646	15.582	19.564	23.547
152.5	7.212	7.625	8.038	8.451	8.865	9.278	9.691	10.105	13.557	17.009
155.0	6.113	6.301	6.489	6.676	6.864	7.052	7.240	7.428	10.214	13.000
157.5	5.031	5.135	5.239	5.343	5.446	5.550	5.654	5.758	7.847	9.937
160.0	4.307	4.360	4.413	4.467	4.520	4.573	4.626	4.679	6.111	7.542
162.5	3.913	3.968	4.023	4.079	4.134	4.189	4.245	4.300	4.795	5.290
165.0	3.852	3.880	3.908	3.935	3.963	3.991	4.018	4.046	3.972	3.898
167.5	3.802	3.804	3.806	3.809	3.811	3.813	3.816	3.818	3.770	3.721
170.0	3.975	3.977	3.978	3.979	3.980	3.982	3.983	3.984	3.917	3.850
172.5	3.901	3.921	3.942	3.963	3.984	4.004	4.025	4.046	3.972	3.898
175.0	3.901	3.921	3.942	3.963	3.984	4.004	4.025	4.046	3.979	3.912
177.5	3.901	3.921	3.942	3.963	3.984	4.004	4.025	4.046	3.988	3.931
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

Vert. Horizontal Angles
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	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	967.327	972.690	978.052	983.415	988.778	994.141	999.504	1001.478	1003.453	1005.427
5.0	1046.553	1042.865	1039.176	1035.488	1031.799	1028.111	1024.422	1022.660	1020.897	1019.135
7.5	1019.998	1021.085	1022.173	1023.260	1024.348	1025.435	1026.523	1028.564	1030.605	1032.645
10.0	1030.491	1032.721	1034.952	1037.182	1039.412	1041.643	1043.873	1052.007	1060.142	1068.276
12.5	1039.051	1052.588	1066.125	1079.662	1093.199	1106.736	1120.273	1125.700	1131.127	1136.555
15.0	1032.749	1047.832	1062.914	1077.997	1093.080	1108.162	1123.245	1130.617	1137.990	1145.362
17.5	1033.577	1047.586	1061.594	1075.602	1089.611	1103.619	1117.628	1137.041	1156.455	1175.869
20.0	1069.124	1084.450	1099.775	1115.101	1130.427	1145.753	1161.079	1176.469	1191.860	1207.250
22.5	1119.517	1141.865	1164.213	1186.561	1208.909	1231.257	1253.605	1264.112	1274.620	1285.128
25.0	1089.491	1113.716	1137.940	1162.165	1186.389	1210.614	1234.838	1256.386	1277.934	1299.482
27.5	1073.717	1091.733	1109.749	1127.764	1145.780	1163.795	1181.811	1191.676	1201.540	1211.405
30.0	1092.994	1126.620	1160.245	1193.871	1227.497	1261.122	1294.748	1307.284	1319.821	1332.357
32.5	1092.699	1122.479	1152.259	1182.040	1211.820	1241.600	1271.381	1297.381	1323.381	1349.381
35.0	1051.464	1069.631	1087.798	1105.965	1124.133	1142.300	1160.467	1193.615	1226.764	1259.912
37.5	1086.607	1117.953	1149.300	1180.646	1211.992	1243.338	1274.685	1278.107	1281.529	1284.951
40.0	1109.216	1154.228	1199.239	1244.251	1289.263	1334.274	1379.286	1372.603	1365.920	1359.236
42.5	1053.270	1082.552	1111.834	1141.116	1170.397	1199.679	1228.961	1278.718	1328.475	1378.233
45.0	999.054	1020.997	1042.941	1064.884	1086.827	1108.771	1130.714	1225.017	1319.320	1413.623
47.5	961.867	995.992	1030.117	1064.243	1098.368	1132.493	1166.619	1225.504	1284.390	1343.276
50.0	995.838	1051.787	1107.737	1163.686	1219.635	1275.585	1331.534	1342.369	1353.204	1364.039
52.5	1076.899	1162.291	1247.683	1333.075	1418.466	1503.858	1589.250	1570.904	1552.558	1534.213
55.0	963.330	1004.152	1044.973	1085.795	1126.617	1167.438	1208.260	1246.518	1284.776	1323.034
57.5	953.213	982.599	1011.984	1041.370	1070.755	1100.141	1129.526	1216.598	1303.670	1390.742
60.0	882.015	916.967	951.920	986.872	1021.824	1056.777	1091.729	1205.529	1319.330	1433.130

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CANDELA TABULATION - (Cont.)

62.5	855.155	904.189	953.224	1002.258	1051.293	1100.327	1149.362	1201.535	1253.708	1305.881
65.0	910.616	1007.888	1105.161	1202.433	1299.705	1396.978	1494.250	1492.353	1490.456	1488.558
67.5	802.216	881.650	961.084	1040.517	1119.951	1199.385	1278.819	1310.870	1342.921	1374.972
70.0	693.350	750.086	806.823	863.559	920.296	977.032	1033.769	1122.029	1210.288	1298.548
72.5	572.194	614.409	656.624	698.839	741.055	783.270	825.485	961.311	1097.136	1232.962
75.0	506.614	550.538	594.461	638.385	682.308	726.232	770.155	867.123	964.091	1061.059
77.5	486.855	539.401	591.946	644.492	697.037	749.583	802.128	854.505	906.881	959.258
80.0	440.715	458.599	476.482	494.366	512.250	530.133	548.017	576.452	604.887	633.322
82.5	474.085	494.295	514.504	534.714	554.924	575.134	595.344	589.044	582.744	576.444
85.0	557.941	593.637	629.333	665.029	700.724	736.420	772.116	759.537	746.958	734.379
87.5	591.422	635.535	679.649	723.763	767.877	811.990	856.104	886.566	917.027	947.489
90.0	597.857	647.211	696.564	745.918	795.272	844.625	893.979	931.906	969.834	1007.761
92.5	591.331	652.477	713.624	774.771	835.917	897.064	958.211	973.839	989.467	1005.096
95.0	537.539	590.879	644.218	697.558	750.898	804.237	857.577	887.679	917.781	947.883
97.5	484.780	536.807	588.834	640.861	692.887	744.914	796.941	834.242	871.544	908.845
100.0	469.102	521.643	574.183	626.724	679.265	731.806	784.347	822.761	861.175	899.588
102.5	426.884	481.196	535.509	589.821	644.134	698.446	752.759	771.028	789.298	807.568
105.0	365.649	410.571	455.492	500.414	545.336	590.257	635.179	661.559	687.939	714.319
107.5	343.428	387.994	432.559	477.125	521.690	566.256	610.821	641.415	672.008	702.602
110.0	317.268	364.349	411.429	458.510	505.591	552.671	599.752	623.824	647.897	671.969
112.5	288.477	332.326	376.176	420.026	463.876	507.725	551.575	569.151	586.727	604.303
115.0	258.790	297.568	336.346	375.124	413.902	452.680	491.458	507.141	522.824	538.508
117.5	231.686	266.483	301.281	336.078	370.875	405.672	440.470	453.652	466.835	480.017
120.0	203.572	233.807	264.041	294.276	324.510	354.745	384.979	398.962	412.945	426.928
122.5	177.932	203.653	229.374	255.095	280.816	306.537	332.259	342.852	353.445	364.038
125.0	150.734	171.247	191.760	212.273	232.785	253.298	273.811	277.306	280.801	284.296
127.5	126.864	143.224	159.583	175.943	192.303	208.663	225.023	231.386	237.749	244.112
130.0	108.236	121.841	135.445	149.050	162.655	176.260	189.865	199.361	208.856	218.352
132.5	92.908	104.568	116.227	127.887	139.547	151.207	162.867	171.680	180.494	189.308
135.0	80.789	91.252	101.715	112.178	122.640	133.103	143.566	150.784	158.002	165.220
137.5	69.469	78.629	87.790	96.950	106.110	115.270	124.431	130.366	136.301	142.236
140.0	59.159	66.970	74.780	82.591	90.401	98.212	106.022	111.668	117.314	122.959
142.5	50.409	56.985	63.561	70.137	76.713	83.289	89.865	95.396	100.928	106.460
145.0	42.029	47.532	53.034	58.537	64.040	69.543	75.046	80.166	85.286	90.406
147.5	34.585	39.163	43.741	48.319	52.896	57.474	62.052	66.845	71.639	76.432
150.0	27.529	31.512	35.494	39.477	43.459	47.442	51.424	55.749	60.074	64.398
152.5	20.461	23.913	27.365	30.818	34.270	37.722	41.174	45.018	48.861	52.705
155.0	15.786	18.572	21.358	24.144	26.930	29.716	32.502	35.801	39.100	42.399
157.5	12.027	14.117	16.206	18.296	20.386	22.476	24.566	27.481	30.396	33.311
160.0	8.974	10.405	11.837	13.268	14.700	16.131	17.563	19.852	22.141	24.431
162.5	5.785	6.280	6.775	7.270	7.765	8.260	8.756	10.639	12.523	14.406
165.0	3.825	3.751	3.677	3.603	3.530	3.456	3.382	4.763	6.144	7.525
167.5	3.673	3.624	3.576	3.527	3.479	3.430	3.382	3.340	3.298	3.256
170.0	3.783	3.716	3.650	3.583	3.516	3.449	3.382	3.302	3.223	3.143
172.5	3.825	3.751	3.677	3.603	3.530	3.456	3.382	3.296	3.209	3.123
175.0	3.845	3.778	3.712	3.645	3.578	3.511	3.444	3.358	3.271	3.185
177.5	3.873	3.815	3.758	3.700	3.642	3.585	3.527	3.463	3.399	3.335
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

Vert. Horizontal Angles

	325.0	327.5	330.0	332.5	335.0	337.5	340.0	342.5	345.0	347.5
0.0	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889	872.889
2.5	1007.402	1009.376	1011.351	1013.325	1015.300	1017.275	1017.617	1017.960	1018.303	1018.646
5.0	1017.372	1015.610	1013.847	1012.085	1010.322	1008.560	1010.766	1012.972	1015.179	1017.385
7.5	1034.686	1036.727	1038.768	1040.808	1042.849	1044.890	1048.207	1051.524	1054.840	1058.157

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

CANDELA TABULATION - (Cont.)

10.0	1076.411	1084.545	1092.680	1100.814	1108.949	1117.083	1116.346	1115.610	1114.873	1114.137
12.5	1141.982	1147.409	1152.837	1158.264	1163.692	1169.119	1166.117	1163.116	1160.114	1157.113
15.0	1152.735	1160.107	1167.480	1174.852	1182.225	1189.597	1194.776	1199.955	1205.134	1210.313
17.5	1195.283	1214.696	1234.110	1253.524	1272.938	1292.352	1295.562	1298.772	1301.982	1305.192
20.0	1222.640	1238.031	1253.421	1268.811	1284.202	1299.592	1299.352	1299.113	1298.873	1298.633
22.5	1295.635	1306.143	1316.651	1327.159	1337.666	1348.174	1354.763	1361.352	1367.942	1374.531
25.0	1321.030	1342.578	1364.126	1385.674	1407.222	1428.770	1415.828	1402.886	1389.943	1377.001
27.5	1221.269	1231.134	1240.998	1250.863	1260.727	1270.592	1281.194	1291.795	1302.397	1312.999
30.0	1344.893	1357.430	1369.966	1382.502	1395.039	1407.575	1425.146	1442.718	1460.289	1477.860
32.5	1375.381	1401.381	1427.382	1453.382	1479.382	1505.382	1511.331	1517.280	1523.229	1529.178
35.0	1293.060	1326.209	1359.357	1392.505	1425.654	1458.802	1443.025	1427.249	1411.472	1395.696
37.5	1288.374	1291.796	1295.218	1298.640	1302.063	1305.485	1311.998	1318.511	1325.024	1331.537
40.0	1352.553	1345.870	1339.187	1332.503	1325.820	1319.137	1359.936	1400.734	1441.533	1482.332
42.5	1427.990	1477.747	1527.504	1577.261	1627.018	1676.776	1690.753	1704.731	1718.709	1732.687
45.0	1507.926	1602.230	1696.533	1790.836	1885.139	1979.442	1977.140	1974.838	1972.536	1970.234
47.5	1402.161	1461.047	1519.933	1578.819	1637.704	1696.590	1672.811	1649.032	1625.253	1601.474
50.0	1374.874	1385.710	1396.545	1407.380	1418.215	1429.050	1436.258	1443.465	1450.673	1457.880
52.5	1515.867	1497.521	1479.175	1460.830	1442.484	1424.138	1453.845	1483.552	1513.259	1542.966
55.0	1361.292	1399.551	1437.809	1476.067	1514.325	1552.583	1592.861	1633.138	1673.416	1713.694
57.5	1477.814	1564.886	1651.957	1739.029	1826.101	1913.173	1927.581	1941.990	1956.398	1970.807
60.0	1546.931	1660.731	1774.532	1888.332	2002.133	2115.933	2077.350	2038.767	2000.183	1961.600
62.5	1358.054	1410.227	1462.401	1514.574	1566.747	1618.920	1616.721	1614.521	1612.322	1610.123
65.0	1486.661	1484.764	1482.867	1480.969	1479.072	1477.175	1485.158	1493.142	1501.125	1509.108
67.5	1407.023	1439.074	1471.125	1503.176	1535.227	1567.278	1616.571	1665.863	1715.156	1764.449
70.0	1386.808	1475.067	1563.327	1651.587	1739.846	1828.106	1856.207	1884.308	1912.409	1940.510
72.5	1368.787	1504.613	1640.439	1776.264	1912.090	2047.916	2032.446	2016.977	2001.508	1986.038
75.0	1158.027	1254.996	1351.964	1448.932	1545.900	1642.868	1658.271	1673.674	1689.077	1704.480
77.5	1011.634	1064.011	1116.388	1168.764	1221.141	1273.518	1269.496	1265.475	1261.454	1257.433
80.0	661.757	690.193	718.628	747.063	775.498	803.933	810.187	816.442	822.696	828.950
82.5	570.144	563.844	557.544	551.244	544.944	538.644	548.977	559.310	569.643	579.976
85.0	721.800	709.221	696.642	684.063	671.484	658.905	695.486	732.067	768.648	805.229
87.5	977.950	1008.412	1038.873	1069.335	1099.796	1130.258	1174.292	1218.326	1262.360	1306.394
90.0	1045.689	1083.616	1121.544	1159.471	1197.399	1235.326	1260.252	1285.179	1310.105	1335.031
92.5	1020.724	1036.352	1051.981	1067.609	1083.238	1098.866	1132.074	1165.282	1198.489	1231.697
95.0	977.985	1008.086	1038.188	1068.290	1098.392	1128.494	1167.715	1206.935	1246.156	1285.377
97.5	946.147	983.448	1020.750	1058.051	1095.353	1132.654	1184.373	1236.092	1287.811	1339.530
100.0	938.002	976.416	1014.830	1053.243	1091.657	1130.071	1162.297	1194.523	1226.750	1258.976
102.5	825.837	844.107	862.377	880.647	898.916	917.186	943.824	970.462	997.100	1023.738
105.0	740.699	767.079	793.459	819.839	846.219	872.599	906.807	941.014	975.222	1009.430
107.5	733.195	763.789	794.382	824.976	855.569	886.163	920.237	954.311	988.385	1022.459
110.0	696.041	720.114	744.186	768.258	792.331	816.403	846.209	876.014	905.820	935.626
112.5	621.878	639.454	657.030	674.606	692.182	709.758	705.720	701.682	697.644	693.607
115.0	554.191	569.874	585.557	601.241	616.924	632.607	620.598	608.590	596.581	584.573
117.5	493.200	506.382	519.565	532.747	545.930	559.112	565.955	572.798	579.640	586.483
120.0	440.911	454.894	468.877	482.860	496.843	510.826	523.328	535.830	548.332	560.834
122.5	374.631	385.224	395.817	406.410	417.003	427.596	440.870	454.144	467.418	480.692
125.0	287.791	291.285	294.780	298.275	301.770	305.265	311.320	317.375	323.430	329.485
127.5	250.476	256.839	263.202	269.565	275.929	282.292	278.777	275.262	271.747	268.232
130.0	227.848	237.343	246.839	256.335	265.830	275.326	272.869	270.411	267.954	265.496
132.5	198.122	206.936	215.750	224.564	233.378	242.192	247.929	253.667	259.405	265.143
135.0	172.438	179.656	186.874	194.092	201.310	208.528	216.083	223.637	231.192	238.746
137.5	148.171	154.106	160.041	165.976	171.911	177.847	186.622	195.397	204.172	212.948
140.0	128.605	134.251	139.897	145.542	151.188	156.834	164.072	171.309	178.547	185.784
142.5	111.991	117.523	123.055	128.586	134.118	139.650	145.245	150.840	156.435	162.030
145.0	95.526	100.647	105.767	110.887	116.007	121.127	125.931	130.736	135.540	140.344
147.5	81.226	86.019	90.812	95.606	100.399	105.193	109.128	113.063	116.998	120.933

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

CANDELA TABULATION - (Cont.)

150.0	68.723	73.048	77.373	81.697	86.022	90.347	93.452	96.558	99.663	102.768
152.5	56.548	60.392	64.236	68.079	71.923	75.767	78.165	80.563	82.961	85.359
155.0	45.698	48.996	52.295	55.594	58.893	62.192	64.028	65.864	67.701	69.537
157.5	36.226	39.141	42.056	44.971	47.886	50.802	52.159	53.516	54.873	56.230
160.0	26.720	29.009	31.298	33.588	35.877	38.166	39.269	40.372	41.475	42.578
162.5	16.290	18.173	20.057	21.940	23.824	25.707	26.558	27.408	28.259	29.110
165.0	8.906	10.286	11.667	13.048	14.429	15.810	16.285	16.760	17.235	17.710
167.5	3.214	3.171	3.129	3.087	3.045	3.003	3.395	3.787	4.179	4.571
170.0	3.064	2.984	2.905	2.825	2.746	2.666	2.649	2.632	2.614	2.597
172.5	3.036	2.950	2.863	2.777	2.690	2.604	2.594	2.583	2.573	2.563
175.0	3.098	3.012	2.925	2.839	2.752	2.666	2.667	2.668	2.669	2.670
177.5	3.271	3.207	3.143	3.079	3.015	2.951	2.937	2.923	2.910	2.896
180.0	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000

Vert. Angles **Horizontal Angles**

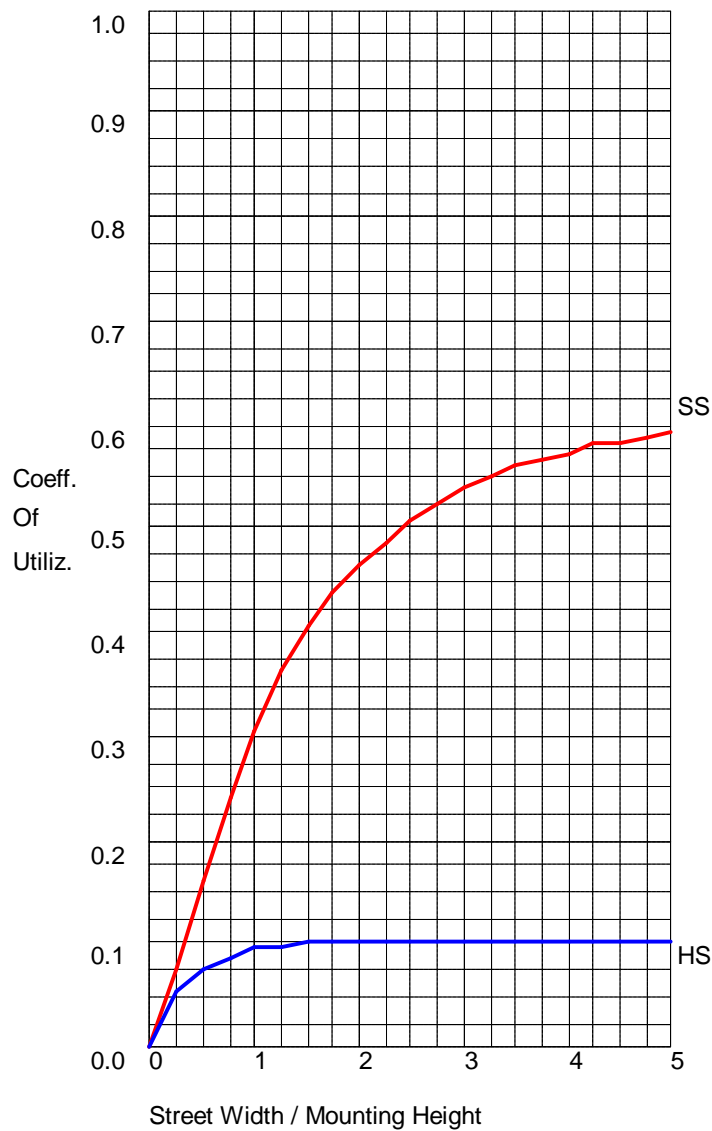
	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	872.889	872.889	872.889	872.889	872.889
2.5	1018.989	1019.332	1019.675	1020.018	1020.361
5.0	1019.591	1021.797	1024.004	1026.210	1028.416
7.5	1061.474	1064.791	1068.107	1071.424	1074.741
10.0	1113.400	1112.664	1111.927	1111.191	1110.454
12.5	1154.111	1151.110	1148.108	1145.107	1142.105
15.0	1215.491	1220.670	1225.849	1231.028	1236.207
17.5	1308.402	1311.613	1314.823	1318.033	1321.243
20.0	1298.394	1298.154	1297.914	1297.675	1297.435
22.5	1381.120	1387.709	1394.298	1400.887	1407.477
25.0	1364.059	1351.117	1338.174	1325.232	1312.290
27.5	1323.600	1334.202	1344.804	1355.405	1366.007
30.0	1495.432	1513.003	1530.574	1548.146	1565.717
32.5	1535.126	1541.075	1547.024	1552.973	1558.922
35.0	1379.919	1364.143	1348.366	1332.590	1316.813
37.5	1338.051	1344.564	1351.077	1357.590	1364.103
40.0	1523.130	1563.929	1604.728	1645.526	1686.325
42.5	1746.664	1760.642	1774.620	1788.598	1802.576
45.0	1967.933	1965.631	1963.329	1961.027	1958.725
47.5	1577.695	1553.916	1530.137	1506.358	1482.580
50.0	1465.088	1472.295	1479.503	1486.710	1493.918
52.5	1572.673	1602.380	1632.087	1661.794	1691.502
55.0	1753.971	1794.249	1834.527	1874.804	1915.082
57.5	1985.215	1999.623	2014.032	2028.440	2042.849
60.0	1923.017	1884.434	1845.850	1807.267	1768.684
62.5	1607.923	1605.724	1603.525	1601.325	1599.126
65.0	1517.092	1525.075	1533.058	1541.042	1549.025
67.5	1813.741	1863.034	1912.327	1961.619	2010.912
70.0	1968.610	1996.711	2024.812	2052.913	2081.014
72.5	1970.569	1955.100	1939.630	1924.161	1908.692
75.0	1719.884	1735.287	1750.690	1766.093	1781.496
77.5	1253.412	1249.391	1245.370	1241.349	1237.328
80.0	835.205	841.459	847.713	853.968	860.222
82.5	590.309	600.642	610.975	621.308	631.642
85.0	841.810	878.391	914.972	951.553	988.134
87.5	1350.429	1394.463	1438.497	1482.531	1526.566
90.0	1359.958	1384.884	1409.810	1434.737	1459.663
92.5	1264.905	1298.113	1331.320	1364.528	1397.736
95.0	1324.597	1363.818	1403.039	1442.259	1481.480

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

CANDELA TABULATION - (Cont.)

97.5	1391.249	1442.968	1494.687	1546.406	1598.125
100.0	1291.202	1323.428	1355.655	1387.881	1420.107
102.5	1050.377	1077.015	1103.653	1130.291	1156.929
105.0	1043.637	1077.845	1112.053	1146.260	1180.468
107.5	1056.533	1090.607	1124.681	1158.755	1192.829
110.0	965.431	995.237	1025.043	1054.848	1084.654
112.5	689.569	685.531	681.493	677.456	673.418
115.0	572.564	560.556	548.547	536.539	524.530
117.5	593.326	600.169	607.011	613.854	620.697
120.0	573.335	585.837	598.339	610.841	623.343
122.5	493.966	507.240	520.514	533.788	547.063
125.0	335.540	341.595	347.650	353.705	359.760
127.5	264.717	261.202	257.687	254.172	250.657
130.0	263.039	260.581	258.124	255.666	253.209
132.5	270.881	276.619	282.357	288.095	293.833
135.0	246.301	253.855	261.410	268.964	276.519
137.5	221.723	230.498	239.273	248.049	256.824
140.0	193.022	200.259	207.497	214.734	221.972
142.5	167.625	173.220	178.815	184.410	190.005
145.0	145.149	149.953	154.757	159.562	164.366
147.5	124.868	128.804	132.739	136.674	140.609
150.0	105.874	108.979	112.084	115.190	118.295
152.5	87.757	90.155	92.553	94.951	97.350
155.0	71.373	73.209	75.046	76.882	78.718
157.5	57.588	58.945	60.302	61.659	63.017
160.0	43.682	44.785	45.888	46.991	48.094
162.5	29.960	30.811	31.662	32.512	33.363
165.0	18.184	18.659	19.134	19.609	20.084
167.5	4.963	5.355	5.747	6.139	6.531
170.0	2.580	2.563	2.545	2.528	2.511
172.5	2.552	2.542	2.532	2.521	2.511
175.0	2.672	2.673	2.674	2.675	2.676
177.5	2.882	2.868	2.855	2.841	2.827
180.0	3.000	3.000	3.000	3.000	3.000

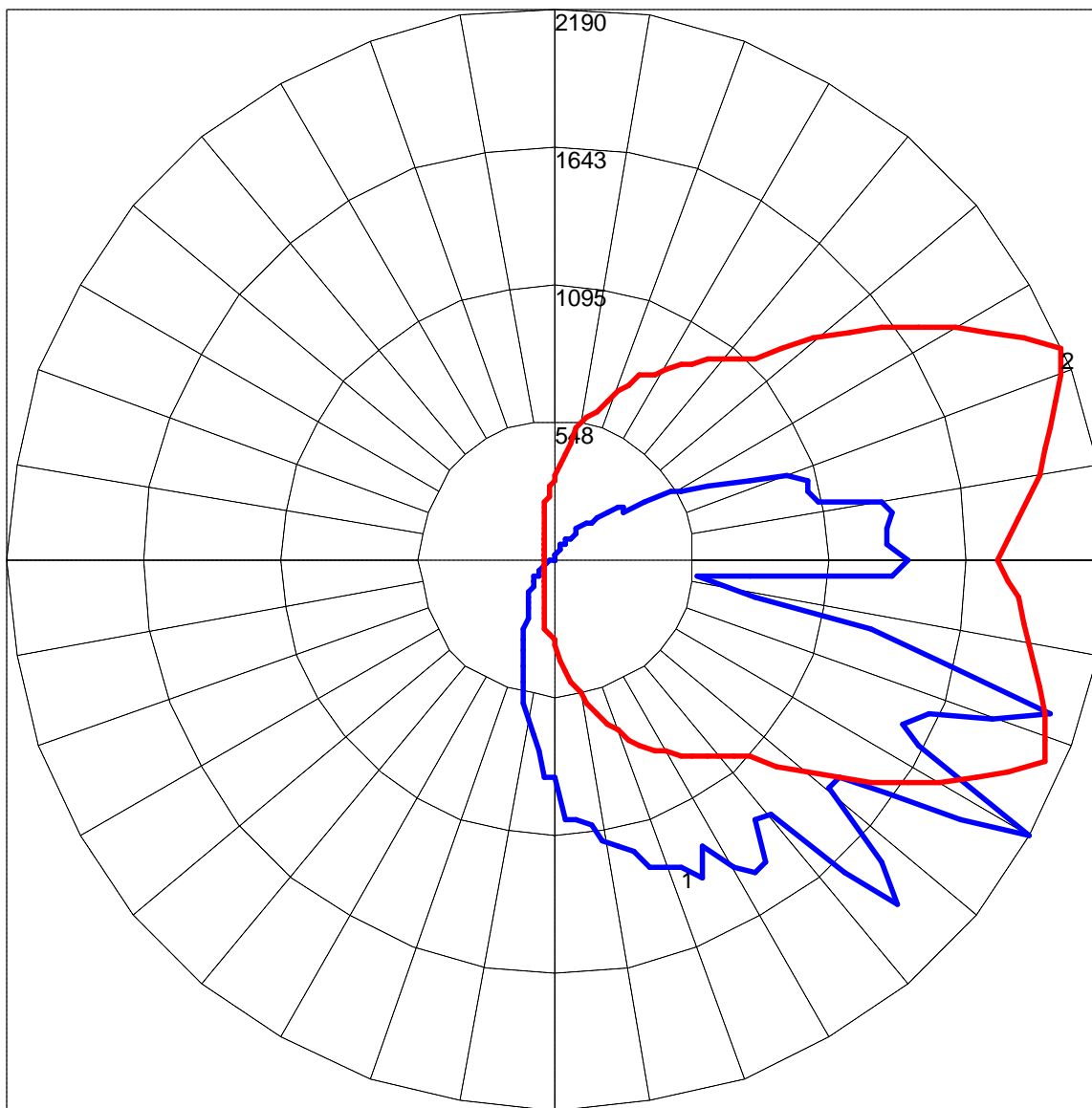
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

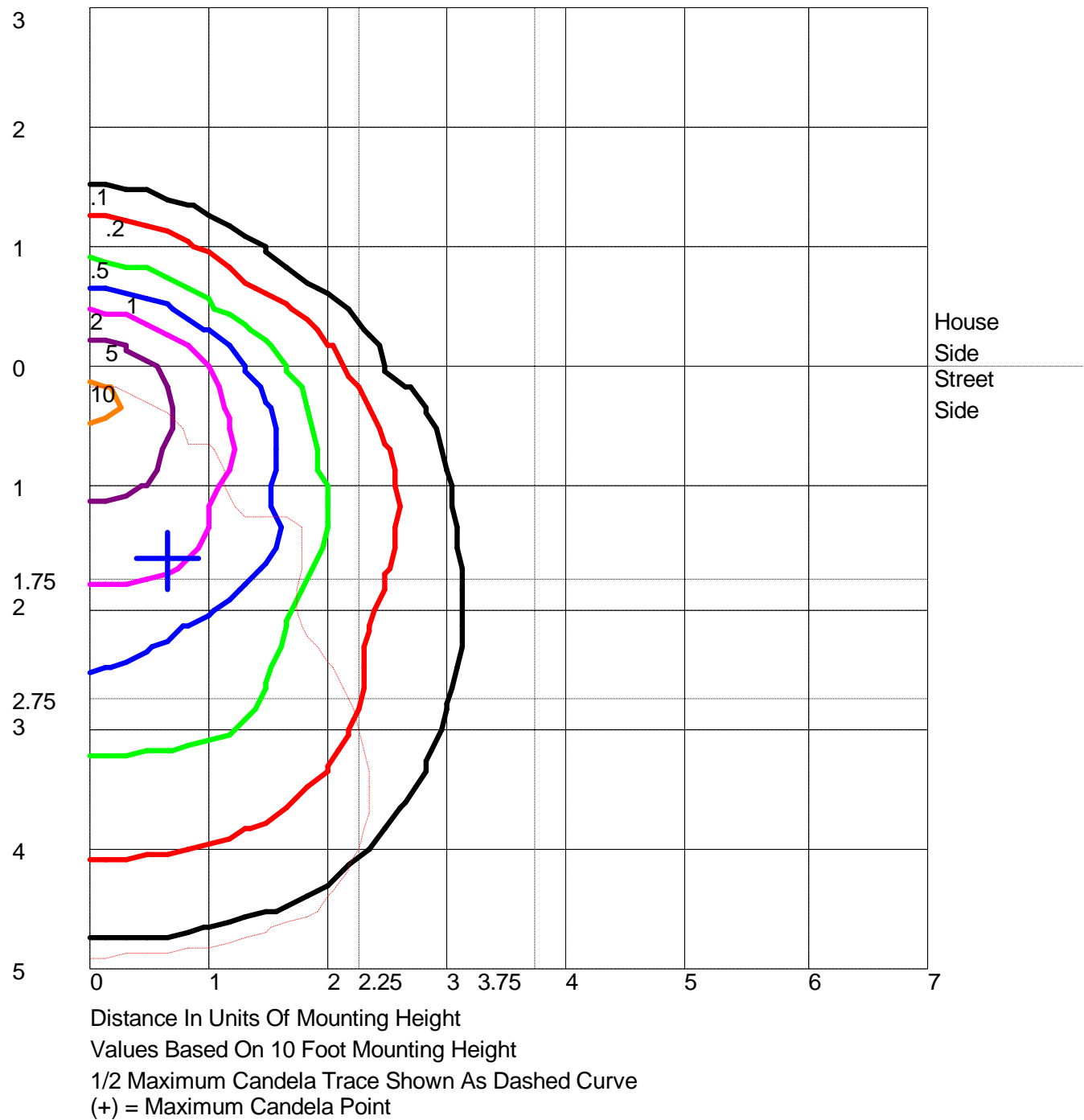
	Lumens	Percent Of Luminaire
Downward Street Side	3281.5	65.4
Downward House Side	525.7	10.5
Downward Total	3807.2	75.9
Upward Street Side	1177.6	23.5
Upward House Side	33.3	0.7
Upward Total	1210.9	24.1
Total Flux	5018.1	100.0

POLAR GRAPH

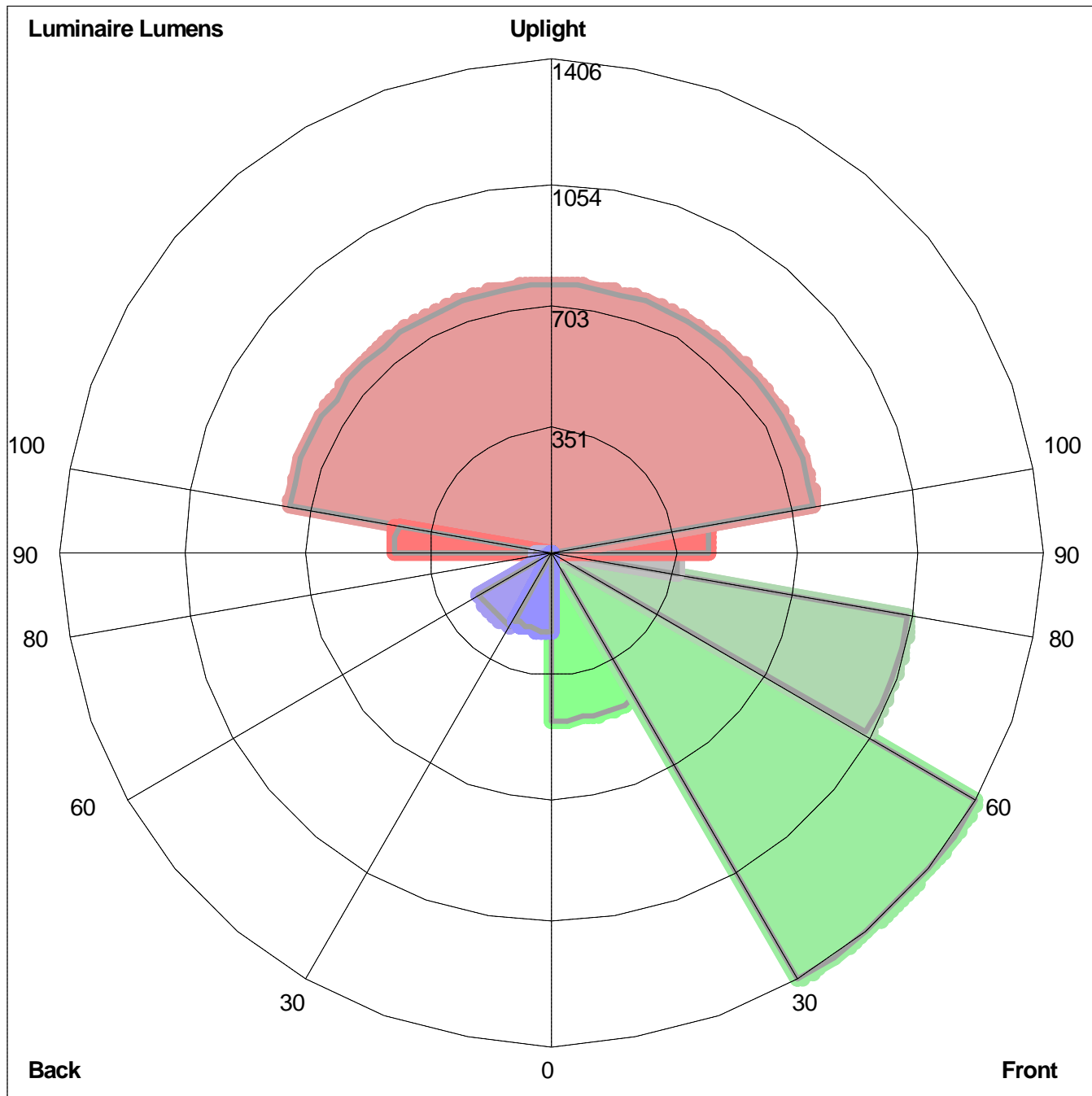


Maximum Candela = 2190.107 Located At Horizontal Angle = 22.5, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=477.5, Medium=1405.8, High=1039.6, Very High=358.6
Back: Low=225.0, Medium=239.6, High=51.9, Very High=9.1
Uplight: Low=450.1, High=760.8

BUG Rating : B1-U4-G3