



IES ROAD REPORT

PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]DCL-150-050W-40K-8-3PC
[TESTLAB]Standard-Tech Co., Ltd.
[TESTDATE]2015-08-29
[ISSUE DATE]2016-05-09
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]SWPM-WB-LED-PL1-40
[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	4837
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	49.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.24
Maximum Candela	2111.15
Maximum Candela Angle	22.5H 60V
Maximum Candela (<90 Degrees Vertical)	2111.15
Maximum Candela Angle (<90 Degrees Vertical)	22.5H 60V
Maximum Candela At 90 Degrees Vertical	1407.04 (29.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1471.53 (30.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	460.3	N.A.	9.5
FM - Front-Medium (30-60)	1355.1	N.A.	28.0
FH - Front-High (60-80)	1002.1	N.A.	20.7
FVH - Front-Very High (80-90)	345.7	N.A.	7.1
BL - Back-Low (0-30)	216.9	N.A.	4.5
BM - Back-Medium (30-60)	231.0	N.A.	4.8
BH - Back-High (60-80)	50.1	N.A.	1.0
BVH - Back-Very High (80-90)	8.8	N.A.	0.2
UL - Uplight-Low (90-100)	433.9	N.A.	9.0
UH - Uplight-High (100-180)	733.4	N.A.	15.2
Total	4837.3	N.A.	100.0
BUG Rating	B1-U4-G3		

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

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	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	983.58	984.35	985.12	985.89	986.67	987.44	988.21	988.98	989.76	990.53
5.0	991.34	992.47	993.60	994.74	995.87	997.00	998.13	999.27	1000.40	1001.53
7.5	1036.00	1035.19	1034.38	1033.57	1032.76	1031.95	1031.14	1030.33	1029.52	1028.72
10.0	1070.42	1072.17	1073.92	1075.68	1077.43	1079.18	1080.93	1082.69	1084.44	1086.19
12.5	1100.93	1103.94	1106.95	1109.96	1112.97	1115.98	1118.99	1122.00	1125.01	1128.03
15.0	1191.64	1187.00	1182.35	1177.71	1173.07	1168.42	1163.78	1159.14	1154.49	1149.85
17.5	1273.61	1269.23	1264.86	1260.48	1256.10	1251.73	1247.35	1242.97	1238.60	1234.22
20.0	1250.66	1250.38	1250.09	1249.81	1249.53	1249.24	1248.96	1248.68	1248.39	1248.11
22.5	1356.74	1347.27	1337.81	1328.35	1318.88	1309.42	1299.96	1290.49	1281.03	1271.57
25.0	1264.98	1274.55	1284.12	1293.69	1303.26	1312.82	1322.39	1331.96	1341.53	1351.10
27.5	1316.76	1307.80	1298.84	1289.88	1280.92	1271.96	1263.00	1254.04	1245.08	1236.12
30.0	1509.27	1492.83	1476.38	1459.94	1443.50	1427.05	1410.61	1394.17	1377.72	1361.28
32.5	1502.72	1494.56	1486.40	1478.23	1470.07	1461.91	1453.75	1445.58	1437.42	1429.26
35.0	1269.34	1284.19	1299.03	1313.88	1328.72	1343.57	1358.41	1373.26	1388.10	1402.95
37.5	1314.93	1309.39	1303.85	1298.31	1292.78	1287.24	1281.70	1276.16	1270.63	1265.09
40.0	1625.53	1587.34	1549.15	1510.96	1472.77	1434.59	1396.40	1358.21	1320.02	1281.83
42.5	1737.59	1726.29	1714.99	1703.70	1692.40	1681.10	1669.80	1658.51	1647.21	1635.91
45.0	1888.11	1886.27	1884.44	1882.60	1880.77	1878.93	1877.10	1875.26	1873.43	1871.59
47.5	1429.13	1459.94	1490.74	1521.55	1552.35	1583.16	1613.96	1644.77	1675.57	1706.38
50.0	1440.06	1432.95	1425.83	1418.72	1411.60	1404.49	1397.37	1390.26	1383.14	1376.03
52.5	1630.52	1603.02	1575.52	1548.02	1520.52	1493.02	1465.52	1438.02	1410.52	1383.02
55.0	1846.04	1814.97	1783.90	1752.83	1721.76	1690.70	1659.63	1628.56	1597.49	1566.42
57.5	1969.20	1954.49	1939.78	1925.08	1910.37	1895.66	1880.95	1866.24	1851.53	1836.83
60.0	1704.92	1750.06	1795.19	1840.33	1885.47	1930.60	1975.74	2020.88	2066.01	2111.15
62.5	1541.48	1543.71	1545.94	1548.18	1550.41	1552.64	1554.88	1557.11	1559.34	1561.58
65.0	1493.18	1491.07	1488.96	1486.84	1484.73	1482.62	1480.51	1478.39	1476.28	1474.17
67.5	1938.42	1895.02	1851.62	1808.22	1764.82	1721.42	1678.02	1634.62	1591.22	1547.83
70.0	2005.99	1981.55	1957.12	1932.68	1908.25	1883.81	1859.38	1834.94	1810.51	1786.07
72.5	1839.88	1856.09	1872.30	1888.51	1904.72	1920.93	1937.14	1953.35	1969.56	1985.77
75.0	1717.27	1701.59	1685.91	1670.24	1654.56	1638.88	1623.20	1607.53	1591.85	1576.17
77.5	1192.72	1198.31	1203.90	1209.50	1215.09	1220.68	1226.27	1231.86	1237.45	1243.05
80.0	829.21	823.80	818.39	812.98	807.57	802.16	796.75	791.34	785.93	780.52
82.5	608.87	602.59	596.30	590.02	583.74	577.46	571.17	564.89	558.61	552.33
85.0	952.51	929.97	907.43	884.90	862.36	839.82	817.28	794.75	772.21	749.67
87.5	1471.53	1451.36	1431.20	1411.03	1390.87	1370.70	1350.54	1330.37	1310.21	1290.04
90.0	1407.04	1402.14	1397.24	1392.34	1387.44	1382.54	1377.64	1372.74	1367.84	1362.94
92.5	1347.35	1338.28	1329.21	1320.14	1311.07	1302.00	1292.93	1283.86	1274.79	1265.72
95.0	1428.07	1411.80	1395.53	1379.27	1363.00	1346.73	1330.46	1314.20	1297.93	1281.66
97.5	1540.51	1514.33	1488.16	1461.98	1435.80	1409.62	1383.45	1357.27	1331.09	1304.92
100.0	1368.91	1357.46	1346.02	1334.57	1323.13	1311.68	1300.24	1288.79	1277.35	1265.90
102.5	1115.22	1105.68	1096.13	1086.59	1077.04	1067.50	1057.95	1048.41	1038.86	1029.32
105.0	1137.91	1122.45	1106.99	1091.54	1076.08	1060.62	1045.16	1029.71	1014.25	998.79
107.5	1149.83	1135.82	1121.82	1107.82	1093.82	1079.82	1065.82	1051.82	1037.82	1023.82
110.0	1045.55	1035.33	1025.11	1014.89	1004.67	994.46	984.24	974.02	963.80	953.58
112.5	649.14	666.02	682.90	699.78	716.65	733.53	750.41	767.29	784.17	801.05
115.0	505.62	521.66	537.70	553.74	569.78	585.82	601.86	617.90	633.94	649.98
117.5	598.32	593.60	588.87	584.15	579.42	574.70	569.98	565.25	560.53	555.81
120.0	600.87	590.05	579.23	568.40	557.58	546.76	535.94	525.11	514.29	503.47
122.5	527.34	514.71	502.08	489.44	476.81	464.18	451.55	438.91	426.28	413.65
125.0	346.79	344.53	342.27	340.01	337.75	335.48	333.22	330.96	328.70	326.44
127.5	241.62	249.88	258.14	266.41	274.67	282.93	291.19	299.45	307.71	315.98
130.0	244.08	250.99	257.90	264.81	271.72	278.64	285.55	292.46	299.37	306.28

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

132.5	283.24	282.46	281.69	280.91	280.13	279.36	278.58	277.80	277.03	276.25
135.0	266.55	263.19	259.83	256.47	253.11	249.74	246.38	243.02	239.66	236.30
137.5	247.57	242.25	236.93	231.61	226.29	220.98	215.66	210.34	205.02	199.71
140.0	213.97	209.10	204.24	199.37	194.51	189.64	184.78	179.91	175.05	170.18
142.5	183.16	178.71	174.26	169.82	165.37	160.92	156.48	152.03	147.58	143.14
145.0	158.44	154.33	150.23	146.12	142.02	137.91	133.81	129.70	125.60	121.49
147.5	135.54	131.87	128.20	124.53	120.85	117.18	113.51	109.84	106.17	102.50
150.0	114.03	110.89	107.75	104.62	101.48	98.34	95.20	92.07	88.93	85.79
152.5	93.84	91.29	88.75	86.20	83.65	81.11	78.56	76.01	73.47	70.92
155.0	75.88	73.83	71.78	69.74	67.69	65.64	63.59	61.55	59.50	57.45
157.5	60.75	58.97	57.20	55.43	53.66	51.89	50.12	48.35	46.58	44.81
160.0	46.36	44.88	43.41	41.93	40.46	38.98	37.51	36.03	34.56	33.08
162.5	32.16	31.03	29.90	28.77	27.64	26.52	25.39	24.26	23.13	22.00
165.0	19.36	18.61	17.87	17.12	16.38	15.63	14.89	14.14	13.40	12.65
167.5	6.30	5.85	5.41	4.97	4.53	4.09	3.65	3.21	2.77	2.33
170.0	2.42	2.40	2.37	2.35	2.32	2.30	2.27	2.25	2.22	2.20
172.5	2.42	2.40	2.37	2.35	2.32	2.30	2.27	2.25	2.22	2.20
175.0	2.58	2.54	2.50	2.45	2.41	2.37	2.33	2.28	2.24	2.20
177.5	2.73	2.69	2.66	2.62	2.59	2.56	2.52	2.49	2.45	2.42
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

**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	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	988.89	987.25	985.61	983.97	982.34	980.70	979.06	977.42	975.78	969.17
5.0	1003.24	1004.95	1006.65	1008.36	1010.07	1011.78	1013.48	1015.19	1016.90	1015.78
7.5	1026.53	1024.35	1022.16	1019.98	1017.79	1015.61	1013.42	1011.24	1009.06	1009.62
10.0	1077.57	1068.95	1060.33	1051.71	1043.09	1034.47	1025.85	1017.23	1008.61	1005.73
12.5	1119.42	1110.81	1102.20	1093.59	1084.98	1076.37	1067.76	1059.15	1050.55	1041.07
15.0	1144.10	1138.36	1132.61	1126.87	1121.12	1115.38	1109.63	1103.89	1098.14	1083.99
17.5	1220.12	1206.03	1191.93	1177.83	1163.73	1149.64	1135.54	1121.44	1107.35	1093.06
20.0	1236.55	1224.99	1213.43	1201.87	1190.31	1178.75	1167.19	1155.63	1144.07	1128.78
22.5	1269.09	1266.62	1264.15	1261.68	1259.21	1256.74	1254.27	1251.80	1249.33	1222.73
25.0	1342.65	1334.19	1325.74	1317.28	1308.83	1300.37	1291.92	1283.46	1275.01	1243.68
27.5	1232.12	1228.13	1224.14	1220.14	1216.15	1212.16	1208.17	1204.17	1200.18	1175.35
30.0	1351.99	1342.71	1333.42	1324.13	1314.85	1305.56	1296.27	1286.99	1277.70	1242.11
32.5	1411.11	1392.96	1374.81	1356.66	1338.51	1320.36	1302.21	1284.06	1265.91	1233.50
35.0	1374.46	1345.96	1317.47	1288.97	1260.48	1231.98	1203.49	1174.99	1146.50	1129.28
37.5	1260.70	1256.31	1251.92	1247.53	1243.13	1238.74	1234.35	1229.96	1225.57	1196.36
40.0	1284.80	1287.78	1290.75	1293.73	1296.70	1299.68	1302.65	1305.63	1308.60	1268.12
42.5	1585.95	1535.99	1486.03	1436.07	1386.11	1336.15	1286.19	1236.23	1186.28	1158.54
45.0	1785.66	1699.72	1613.79	1527.86	1441.92	1355.99	1270.06	1184.12	1098.19	1076.72
47.5	1646.03	1585.67	1525.32	1464.97	1404.62	1344.26	1283.91	1223.56	1163.21	1128.66
50.0	1368.68	1361.33	1353.97	1346.62	1339.27	1331.92	1324.56	1317.21	1309.86	1255.67
52.5	1392.50	1401.99	1411.47	1420.95	1430.43	1439.92	1449.40	1458.88	1468.37	1396.23
55.0	1521.07	1475.71	1430.36	1385.01	1339.65	1294.30	1248.95	1203.59	1158.24	1125.12
57.5	1751.94	1667.06	1582.18	1497.30	1412.41	1327.53	1242.65	1157.77	1072.88	1044.49
60.0	1995.84	1880.54	1765.23	1649.92	1534.62	1419.31	1304.00	1188.70	1073.39	1035.28
62.5	1512.69	1463.80	1414.91	1366.02	1317.14	1268.25	1219.36	1170.47	1121.59	1064.93
65.0	1473.52	1472.87	1472.21	1471.56	1470.91	1470.26	1469.60	1468.95	1468.30	1368.01
67.5	1500.13	1452.43	1404.73	1357.04	1309.34	1261.64	1213.94	1166.25	1118.55	1055.72
70.0	1680.24	1574.40	1468.57	1362.73	1256.90	1151.06	1045.23	939.39	833.56	798.79
72.5	1848.70	1711.64	1574.58	1437.51	1300.45	1163.39	1026.33	889.26	752.20	714.96
75.0	1488.82	1401.47	1314.12	1226.77	1139.41	1052.06	964.71	877.36	790.01	742.03
77.5	1186.52	1130.00	1073.48	1016.95	960.43	903.91	847.39	790.86	734.34	689.84

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

80.0	751.78	723.03	694.29	665.55	636.80	608.06	579.32	550.57	521.83	503.08
82.5	557.83	563.33	568.83	574.33	579.83	585.33	590.83	596.33	601.83	577.28
85.0	749.82	749.98	750.13	750.29	750.44	750.60	750.75	750.91	751.06	715.07
87.5	1238.35	1186.65	1134.96	1083.26	1031.57	979.88	928.18	876.49	824.80	781.82
90.0	1309.45	1255.95	1202.46	1148.97	1095.47	1041.98	988.49	934.99	881.50	831.86
92.5	1224.00	1182.28	1140.56	1098.84	1057.12	1015.40	973.68	931.96	890.25	836.85
95.0	1226.96	1172.25	1117.55	1062.84	1008.14	953.43	898.73	844.02	789.32	742.20
97.5	1244.53	1184.14	1123.75	1063.37	1002.98	942.59	882.20	821.82	761.43	713.96
100.0	1208.42	1150.94	1093.47	1035.99	978.51	921.03	863.56	806.08	748.60	699.12
102.5	994.60	959.88	925.16	890.44	855.72	821.00	786.28	751.56	716.84	666.36
105.0	955.62	912.46	869.29	826.13	782.96	739.80	696.63	653.47	610.30	568.03
107.5	974.54	925.26	875.99	826.71	777.44	728.16	678.89	629.61	580.34	538.31
110.0	909.81	866.04	822.27	778.50	734.74	690.97	647.20	603.43	559.66	516.26
112.5	768.67	736.29	703.91	671.53	639.15	606.77	574.39	542.01	509.63	469.76
115.0	628.68	607.38	586.07	564.77	543.47	522.17	500.86	479.56	458.26	422.51
117.5	539.59	523.37	507.16	490.94	474.73	458.51	442.30	426.08	409.87	377.75
120.0	487.47	471.47	455.47	439.47	423.47	407.47	391.47	375.47	359.47	331.51
122.5	402.95	392.25	381.56	370.86	360.16	349.46	338.77	328.07	317.37	292.55
125.0	320.63	314.82	309.01	303.20	297.38	291.57	285.76	279.95	274.14	252.83
127.5	306.25	296.52	286.80	277.07	267.34	257.62	247.89	238.17	228.44	211.01
130.0	293.59	280.90	268.22	255.53	242.84	230.15	217.47	204.78	192.09	177.71
132.5	263.21	250.17	237.13	224.09	211.04	198.00	184.96	171.92	158.88	147.29
135.0	225.06	213.83	202.59	191.35	180.12	168.88	157.64	146.41	135.17	125.38
137.5	190.57	181.43	172.29	163.15	154.02	144.88	135.74	126.60	117.47	108.87
140.0	162.60	155.02	147.44	139.86	132.29	124.71	117.13	109.55	101.97	94.37
142.5	136.86	130.58	124.31	118.03	111.76	105.48	99.21	92.93	86.66	80.13
145.0	116.15	110.80	105.46	100.12	94.77	89.43	84.09	78.74	73.40	67.73
147.5	98.03	93.56	89.09	84.62	80.15	75.68	71.21	66.74	62.27	57.27
150.0	82.18	78.56	74.95	71.33	67.72	64.10	60.49	56.87	53.26	48.64
152.5	67.82	64.71	61.61	58.50	55.40	52.29	49.19	46.08	42.98	39.07
155.0	54.66	51.87	49.09	46.30	43.51	40.72	37.94	35.15	32.36	29.33
157.5	42.36	39.91	37.46	35.01	32.56	30.11	27.66	25.21	22.76	20.65
160.0	31.08	29.08	27.09	25.09	23.09	21.09	19.10	17.10	15.10	13.70
162.5	20.15	18.30	16.45	14.60	12.75	10.90	9.05	7.20	5.35	4.96
165.0	11.49	10.34	9.18	8.03	6.87	5.72	4.56	3.41	2.25	2.21
167.5	2.31	2.29	2.27	2.25	2.22	2.20	2.18	2.16	2.14	2.11
170.0	2.19	2.19	2.18	2.17	2.17	2.16	2.15	2.15	2.14	2.11
172.5	2.20	2.21	2.21	2.21	2.21	2.22	2.22	2.22	2.23	2.22
175.0	2.22	2.25	2.27	2.30	2.32	2.35	2.37	2.40	2.42	2.41
177.5	2.45	2.48	2.51	2.54	2.58	2.61	2.64	2.67	2.70	2.67
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

Vert. 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	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	962.55	955.94	949.32	942.70	936.09	929.48	922.86	916.25	910.24	904.24
5.0	1014.65	1013.53	1012.40	1011.28	1010.15	1009.03	1007.90	1006.78	991.40	976.02
7.5	1010.18	1010.74	1011.30	1011.86	1012.43	1012.99	1013.55	1014.11	995.55	976.99
10.0	1002.85	999.96	997.08	994.20	991.32	988.43	985.55	982.67	968.12	953.58
12.5	1031.59	1022.11	1012.63	1003.15	993.68	984.20	974.72	965.24	951.68	938.12
15.0	1069.84	1055.70	1041.55	1027.40	1013.25	999.11	984.96	970.81	957.02	943.23
17.5	1078.77	1064.48	1050.19	1035.89	1021.61	1007.32	993.03	978.74	963.00	947.27
20.0	1113.50	1098.21	1082.92	1067.64	1052.35	1037.06	1021.78	1006.49	984.34	962.19
22.5	1196.14	1169.54	1142.95	1116.35	1089.76	1063.16	1036.57	1009.98	986.61	963.25
25.0	1212.35	1181.01	1149.68	1118.35	1087.02	1055.68	1024.35	993.02	967.86	942.69

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

27.5	1150.52	1125.69	1100.86	1076.03	1051.20	1026.37	1001.54	976.72	949.67	922.62
30.0	1206.52	1170.94	1135.35	1099.76	1064.17	1028.59	993.00	957.41	931.42	905.43
32.5	1201.09	1168.69	1136.28	1103.87	1071.47	1039.06	1006.65	974.25	941.93	909.61
35.0	1112.06	1094.83	1077.61	1060.39	1043.17	1025.94	1008.72	991.50	955.53	919.55
37.5	1167.16	1137.95	1108.75	1079.54	1050.34	1021.13	991.93	962.72	926.26	889.79
40.0	1227.65	1187.17	1146.70	1106.22	1065.75	1025.27	984.80	944.32	906.51	868.69
42.5	1130.81	1103.07	1075.34	1047.60	1019.87	992.13	964.40	936.67	897.17	857.67
45.0	1055.24	1033.77	1012.30	990.82	969.35	947.88	926.40	904.93	865.97	827.01
47.5	1094.12	1059.58	1025.03	990.49	955.95	921.40	886.86	852.32	814.42	776.52
50.0	1201.47	1147.28	1093.09	1038.89	984.70	930.51	876.31	822.12	784.64	747.16
52.5	1324.10	1251.96	1179.83	1107.69	1035.56	963.42	891.29	819.15	778.57	737.99
55.0	1092.00	1058.87	1025.75	992.63	959.51	926.38	893.26	860.14	809.49	758.84
57.5	1016.10	987.70	959.31	930.92	902.52	874.13	845.74	817.34	767.38	717.41
60.0	997.16	959.05	920.94	882.82	844.71	806.60	768.48	730.37	684.70	639.02
62.5	1008.27	951.61	894.96	838.30	781.64	724.98	668.33	611.67	575.01	538.35
65.0	1267.72	1167.44	1067.15	966.86	866.57	766.29	666.00	565.71	529.64	493.58
67.5	992.90	930.07	867.25	804.42	741.60	678.77	615.95	553.12	513.11	473.10
70.0	764.02	729.25	694.48	659.72	624.95	590.18	555.41	520.64	481.00	441.36
72.5	677.71	640.47	603.22	565.97	528.73	491.49	454.24	417.00	385.07	353.14
75.0	694.04	646.06	598.07	550.09	502.10	454.12	406.13	358.15	329.86	301.57
77.5	645.35	600.85	556.35	511.85	467.36	422.86	378.36	333.87	305.85	277.84
80.0	484.33	465.59	446.84	428.09	409.34	390.60	371.85	353.10	321.11	289.13
82.5	552.72	528.17	503.62	479.06	454.51	429.96	405.40	380.85	344.36	307.87
85.0	679.09	643.10	607.12	571.13	535.15	499.16	463.18	427.19	384.70	342.20
87.5	738.85	695.88	652.91	609.93	566.96	523.99	481.02	438.05	393.98	349.92
90.0	782.22	732.57	682.93	633.29	583.65	534.00	484.36	434.72	390.91	347.10
92.5	783.46	730.06	676.67	623.27	569.88	516.48	463.09	409.70	369.07	328.45
95.0	695.08	647.96	600.84	553.72	506.60	459.48	412.36	365.24	329.56	293.89
97.5	666.49	619.02	571.55	524.09	476.62	429.15	381.68	334.21	301.92	269.64
100.0	649.65	600.17	550.70	501.22	451.75	402.27	352.80	303.32	274.50	245.67
102.5	615.89	565.41	514.94	464.46	413.98	363.51	313.03	262.56	238.24	213.93
105.0	525.76	483.48	441.21	398.94	356.67	314.39	272.12	229.85	209.08	188.31
107.5	496.29	454.27	412.24	370.22	328.20	286.17	244.15	202.13	184.21	166.30
110.0	472.85	429.45	386.05	342.64	299.24	255.84	212.43	169.03	154.55	140.08
112.5	429.90	390.03	350.16	310.30	270.43	230.56	190.70	150.83	138.11	125.39
115.0	386.76	351.00	315.25	279.50	243.75	207.99	172.24	136.49	125.05	113.61
117.5	345.64	313.53	281.42	249.31	217.20	185.08	152.97	120.86	110.85	100.84
120.0	303.55	275.58	247.62	219.66	191.70	163.73	135.77	107.81	98.93	90.04
122.5	267.73	242.91	218.09	193.28	168.46	143.64	118.82	94.00	86.33	78.66
125.0	231.51	210.20	188.88	167.57	146.25	124.94	103.62	82.31	75.62	68.93
127.5	193.58	176.15	158.72	141.28	123.85	106.42	88.99	71.56	65.75	59.95
130.0	163.32	148.94	134.56	120.17	105.79	91.41	77.02	62.64	57.55	52.46
132.5	135.70	124.12	112.53	100.94	89.35	77.77	66.18	54.59	50.20	45.81
135.0	115.59	105.80	96.01	86.21	76.42	66.63	56.84	47.05	43.28	39.51
137.5	100.28	91.68	83.09	74.49	65.90	57.30	48.71	40.11	36.92	33.74
140.0	86.78	79.18	71.59	63.99	56.40	48.80	41.21	33.61	31.06	28.52
142.5	73.61	67.09	60.56	54.04	47.52	40.99	34.47	27.95	25.82	23.69
145.0	62.06	56.38	50.71	45.04	39.37	33.69	28.02	22.35	20.67	18.99
147.5	52.28	47.28	42.29	37.29	32.30	27.30	22.31	17.31	16.09	14.88
150.0	44.02	39.40	34.78	30.15	25.53	20.91	16.29	11.67	11.00	10.33
152.5	35.17	31.27	27.37	23.47	19.57	15.66	11.76	7.86	7.53	7.19
155.0	26.31	23.28	20.25	17.23	14.20	11.17	8.15	5.12	5.01	4.90
157.5	18.54	16.43	14.32	12.21	10.10	7.99	5.88	3.77	3.75	3.73
160.0	12.31	10.91	9.52	8.12	6.73	5.33	3.94	2.54	2.59	2.64
162.5	4.58	4.20	3.82	3.44	3.06	2.68	2.30	1.92	2.02	2.12
165.0	2.16	2.12	2.07	2.03	1.98	1.94	1.89	1.85	2.03	2.22

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

167.5	2.08	2.04	2.01	1.98	1.95	1.91	1.88	1.85	2.09	2.33
170.0	2.09	2.06	2.04	2.01	1.99	1.96	1.94	1.91	2.14	2.37
172.5	2.21	2.21	2.20	2.19	2.19	2.18	2.17	2.17	2.37	2.57
175.0	2.41	2.40	2.39	2.39	2.38	2.37	2.37	2.36	2.54	2.72
177.5	2.64	2.61	2.58	2.54	2.51	2.48	2.45	2.42	2.59	2.75
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

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	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	898.23	892.23	886.23	880.22	874.22	868.21	862.21	857.17	852.13	847.09
5.0	960.64	945.26	929.89	914.51	899.13	883.75	868.37	864.48	860.58	856.69
7.5	958.43	939.87	921.30	902.74	884.18	865.62	847.06	844.38	841.70	839.01
10.0	939.03	924.49	909.94	895.40	880.85	866.31	851.76	842.05	832.35	822.64
12.5	924.56	911.00	897.44	883.88	870.32	856.76	843.20	829.21	815.23	801.25
15.0	929.45	915.66	901.87	888.08	874.30	860.51	846.72	828.47	810.23	791.98
17.5	931.54	915.80	900.07	884.34	868.61	852.87	837.14	815.62	794.11	772.59
20.0	940.04	917.89	895.73	873.58	851.43	829.28	807.13	784.03	760.93	737.83
22.5	939.88	916.52	893.15	869.79	846.42	823.06	799.70	773.07	746.45	719.83
25.0	917.53	892.36	867.20	842.03	816.87	791.70	766.54	738.80	711.07	683.33
27.5	895.57	868.53	841.48	814.43	787.38	760.34	733.29	704.50	675.71	646.91
30.0	879.44	853.45	827.46	801.47	775.48	749.49	723.50	691.48	659.46	627.43
32.5	877.30	844.98	812.66	780.35	748.03	715.72	683.40	652.64	621.87	591.11
35.0	883.58	847.60	811.63	775.65	739.68	703.70	667.73	634.37	601.01	567.64
37.5	853.33	816.86	780.40	743.93	707.47	671.00	634.54	601.13	567.72	534.32
40.0	830.88	793.07	755.25	717.44	679.63	641.81	604.00	570.21	536.43	502.64
42.5	818.17	778.67	739.17	699.67	660.17	620.67	581.17	546.19	511.21	476.24
45.0	788.05	749.09	710.14	671.18	632.22	593.26	554.30	518.62	482.94	447.26
47.5	738.62	700.72	662.83	624.93	587.03	549.13	511.24	477.17	443.11	409.05
50.0	709.68	672.20	634.71	597.23	559.75	522.27	484.79	450.70	416.61	382.52
52.5	697.41	656.83	616.25	575.67	535.09	494.51	453.94	420.73	387.52	354.31
55.0	708.18	657.53	606.88	556.23	505.57	454.92	404.27	374.50	344.73	314.96
57.5	667.44	617.48	567.51	517.54	467.58	417.61	367.64	340.27	312.89	285.51
60.0	593.35	547.68	502.00	456.33	410.66	364.98	319.31	295.67	272.03	248.40
62.5	501.69	465.03	428.36	391.70	355.04	318.38	281.72	260.67	239.62	218.57
65.0	457.51	421.45	385.38	349.32	313.25	277.19	241.12	223.02	204.92	186.82
67.5	433.09	393.08	353.06	313.05	273.04	233.03	193.02	178.87	164.71	150.56
70.0	401.71	362.07	322.43	282.79	243.14	203.50	163.86	151.59	139.32	127.05
72.5	321.21	289.28	257.35	225.42	193.49	161.56	129.64	119.97	110.30	100.64
75.0	273.28	244.99	216.69	188.40	160.11	131.82	103.53	95.70	87.86	80.03
77.5	249.83	221.82	193.81	165.80	137.79	109.78	81.77	75.44	69.11	62.78
80.0	257.14	225.15	193.17	161.18	129.19	97.21	65.22	60.16	55.10	50.03
82.5	271.37	234.88	198.39	161.90	125.40	88.91	52.42	48.89	45.35	41.82
85.0	299.71	257.21	214.72	172.22	129.73	87.23	44.74	42.51	40.28	38.06
87.5	305.86	261.80	217.74	173.68	129.62	85.56	41.50	40.04	38.57	37.11
90.0	303.29	259.48	215.67	171.86	128.05	84.24	40.43	39.45	38.47	37.49
92.5	287.82	247.20	206.57	165.95	125.32	84.70	44.07	42.75	41.43	40.11
95.0	258.21	222.54	186.86	151.19	115.51	79.84	44.16	42.66	41.16	39.67
97.5	237.35	205.06	172.77	140.49	108.20	75.91	43.63	41.95	40.27	38.59
100.0	216.85	188.02	159.20	130.37	101.55	72.72	43.90	41.97	40.03	38.10
102.5	189.62	165.31	141.00	116.69	92.38	68.07	43.76	41.62	39.47	37.33
105.0	167.53	146.76	125.99	105.22	84.44	63.67	42.90	40.65	38.40	36.15
107.5	148.39	130.48	112.57	94.66	76.75	58.84	40.93	38.68	36.43	34.18
110.0	125.60	111.12	96.65	82.17	67.69	53.22	38.74	36.50	34.25	32.01
112.5	112.67	99.95	87.24	74.52	61.80	49.08	36.36	34.16	31.95	29.75

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

115.0	102.17	90.73	79.30	67.86	56.42	44.98	33.54	31.45	29.35	27.26
117.5	90.84	80.83	70.82	60.81	50.81	40.80	30.79	28.82	26.85	24.88
120.0	81.16	72.27	63.39	54.50	45.62	36.73	27.85	26.02	24.20	22.37
122.5	70.99	63.32	55.65	47.98	40.31	32.64	24.97	23.34	21.71	20.08
125.0	62.24	55.55	48.87	42.18	35.49	28.80	22.11	20.67	19.22	17.78
127.5	54.14	48.33	42.53	36.72	30.91	25.11	19.30	18.01	16.72	15.44
130.0	47.37	42.28	37.19	32.10	27.01	21.92	16.83	15.77	14.71	13.65
132.5	41.42	37.03	32.64	28.25	23.86	19.47	15.08	14.16	13.24	12.31
135.0	35.73	31.96	28.19	24.42	20.64	16.87	13.10	12.35	11.60	10.86
137.5	30.55	27.36	24.17	20.99	17.80	14.61	11.43	10.81	10.20	9.58
140.0	25.97	23.43	20.88	18.34	15.79	13.25	10.70	10.12	9.54	8.96
142.5	21.57	19.44	17.31	15.19	13.06	10.93	8.81	8.37	7.93	7.50
145.0	17.30	15.62	13.94	12.26	10.57	8.89	7.21	6.95	6.68	6.42
147.5	13.66	12.45	11.23	10.01	8.80	7.58	6.37	6.18	6.00	5.82
150.0	9.66	8.99	8.31	7.64	6.97	6.30	5.63	5.49	5.34	5.20
152.5	6.86	6.53	6.20	5.86	5.53	5.20	4.87	4.77	4.67	4.57
155.0	4.80	4.69	4.58	4.47	4.37	4.26	4.15	4.07	4.00	3.92
157.5	3.71	3.68	3.66	3.64	3.62	3.60	3.58	3.52	3.46	3.40
160.0	2.70	2.75	2.80	2.85	2.91	2.96	3.01	3.00	2.99	2.98
162.5	2.22	2.33	2.43	2.53	2.63	2.74	2.84	2.85	2.87	2.88
165.0	2.40	2.58	2.77	2.95	3.13	3.32	3.50	3.50	3.50	3.51
167.5	2.56	2.80	3.04	3.28	3.51	3.75	3.99	3.99	3.99	3.99
170.0	2.60	2.83	3.07	3.30	3.53	3.76	3.99	3.99	3.98	3.98
172.5	2.77	2.98	3.18	3.38	3.58	3.79	3.99	3.99	3.98	3.98
175.0	2.90	3.08	3.27	3.45	3.63	3.81	3.99	3.98	3.97	3.96
177.5	2.92	3.08	3.25	3.41	3.58	3.74	3.91	3.90	3.89	3.89
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

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	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	842.04	837.00	831.96	826.92	821.88	816.84	817.27	817.71	818.15	818.58
5.0	852.79	848.90	845.00	841.11	837.21	833.32	831.74	830.15	828.57	826.99
7.5	836.33	833.65	830.97	828.28	825.60	822.92	812.38	801.84	791.31	780.77
10.0	812.93	803.23	793.52	783.81	774.11	764.40	752.26	740.12	727.98	715.84
12.5	787.27	773.29	759.31	745.33	731.35	717.37	705.41	693.44	681.48	669.52
15.0	773.74	755.49	737.25	719.00	700.76	682.51	668.81	655.10	641.40	627.70
17.5	751.08	729.56	708.05	686.53	665.02	643.50	627.72	611.94	596.16	580.38
20.0	714.73	691.64	668.54	645.44	622.34	599.24	583.94	568.64	553.33	538.03
22.5	693.20	666.58	639.96	613.33	586.71	560.09	543.78	527.48	511.18	494.88
25.0	655.59	627.86	600.12	572.38	544.65	516.91	500.24	483.57	466.90	450.23
27.5	618.12	589.33	560.54	531.74	502.95	474.16	457.10	440.05	422.99	405.94
30.0	595.41	563.39	531.37	499.34	467.32	435.30	418.30	401.30	384.30	367.30
32.5	560.34	529.58	498.81	468.05	437.28	406.52	388.73	370.95	353.16	335.38
35.0	534.28	500.92	467.56	434.19	400.83	367.47	350.60	333.72	316.85	299.97
37.5	500.91	467.50	434.09	400.68	367.27	333.87	318.19	302.53	286.86	271.19
40.0	468.85	435.07	401.28	367.49	333.71	299.92	285.76	271.59	257.43	243.26
42.5	441.26	406.29	371.31	336.34	301.36	266.39	254.05	241.72	229.39	217.06
45.0	411.58	375.91	340.23	304.55	268.87	233.19	222.65	212.11	201.57	191.03
47.5	374.99	340.93	306.87	272.80	238.74	204.68	195.66	186.65	177.63	168.61
50.0	348.43	314.35	280.26	246.17	212.08	177.99	170.38	162.76	155.15	147.53
52.5	321.10	287.89	254.69	221.48	188.27	155.06	148.60	142.15	135.70	129.24
55.0	285.19	255.43	225.66	195.89	166.12	136.35	130.59	124.84	119.08	113.33
57.5	258.13	230.76	203.38	176.00	148.62	121.24	116.07	110.90	105.73	100.55
60.0	224.76	201.12	177.48	153.85	130.21	106.57	101.98	97.39	92.80	88.21

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

62.5	197.52	176.46	155.41	134.36	113.31	92.26	88.13	83.99	79.86	75.72
65.0	168.72	150.62	132.52	114.42	96.32	78.22	74.55	70.89	67.22	63.56
67.5	136.40	122.25	108.10	93.94	79.79	65.64	62.23	58.84	55.44	52.04
70.0	114.78	102.50	90.23	77.96	65.69	53.42	50.08	46.73	43.39	40.05
72.5	90.97	81.31	71.64	61.98	52.31	42.65	39.16	35.67	32.18	28.69
75.0	72.19	64.36	56.52	48.69	40.85	33.02	29.91	26.80	23.69	20.58
77.5	56.45	50.12	43.79	37.46	31.13	24.80	22.46	20.13	17.80	15.47
80.0	44.97	39.91	34.85	29.78	24.72	19.66	17.97	16.28	14.58	12.89
82.5	38.28	34.75	31.22	27.68	24.15	20.62	18.92	17.22	15.52	13.82
85.0	35.83	33.60	31.37	29.15	26.92	24.69	22.64	20.59	18.54	16.49
87.5	35.64	34.18	32.71	31.25	29.78	28.32	25.87	23.41	20.96	18.50
90.0	36.51	35.52	34.54	33.56	32.58	31.60	28.81	26.02	23.23	20.44
92.5	38.79	37.47	36.15	34.83	33.51	32.20	29.40	26.61	23.81	21.02
95.0	38.17	36.67	35.17	33.68	32.18	30.68	28.04	25.40	22.76	20.12
97.5	36.91	35.24	33.56	31.88	30.20	28.53	26.07	23.62	21.17	18.72
100.0	36.17	34.23	32.30	30.37	28.43	26.50	24.20	21.90	19.60	17.30
102.5	35.19	33.05	30.90	28.76	26.62	24.48	22.39	20.30	18.21	16.12
105.0	33.90	31.66	29.41	27.16	24.91	22.66	20.78	18.90	17.02	15.14
107.5	31.92	29.67	27.42	25.17	22.92	20.67	19.00	17.33	15.67	14.00
110.0	29.76	27.52	25.27	23.03	20.78	18.54	17.09	15.65	14.20	12.75
112.5	27.54	25.34	23.13	20.93	18.72	16.52	15.26	13.99	12.73	11.46
115.0	25.17	23.07	20.98	18.89	16.79	14.70	13.60	12.50	11.40	10.30
117.5	22.91	20.94	18.97	17.00	15.03	13.06	12.12	11.19	10.25	9.32
120.0	20.55	18.72	16.90	15.07	13.25	11.42	10.67	9.92	9.16	8.41
122.5	18.45	16.81	15.18	13.55	11.92	10.29	9.67	9.04	8.42	7.79
125.0	16.33	14.89	13.44	12.00	10.55	9.11	8.61	8.12	7.62	7.13
127.5	14.15	12.86	11.57	10.29	9.00	7.71	7.35	7.00	6.64	6.29
130.0	12.59	11.54	10.48	9.42	8.36	7.30	6.98	6.66	6.34	6.02
132.5	11.39	10.47	9.55	8.62	7.70	6.78	6.52	6.25	5.99	5.72
135.0	10.11	9.36	8.61	7.87	7.12	6.37	6.13	5.89	5.65	5.41
137.5	8.97	8.36	7.74	7.13	6.51	5.90	5.71	5.53	5.34	5.16
140.0	8.38	7.81	7.23	6.65	6.07	5.49	5.34	5.19	5.04	4.89
142.5	7.06	6.63	6.19	5.76	5.32	4.89	4.80	4.72	4.63	4.55
145.0	6.15	5.89	5.62	5.36	5.09	4.83	4.74	4.64	4.55	4.45
147.5	5.63	5.45	5.27	5.09	4.90	4.72	4.64	4.56	4.47	4.39
150.0	5.06	4.91	4.77	4.63	4.48	4.34	4.30	4.26	4.22	4.18
152.5	4.47	4.37	4.28	4.18	4.08	3.98	3.98	3.98	3.98	3.98
155.0	3.84	3.77	3.69	3.61	3.54	3.46	3.51	3.55	3.60	3.64
157.5	3.34	3.28	3.22	3.16	3.10	3.05	3.11	3.17	3.24	3.30
160.0	2.97	2.95	2.94	2.93	2.92	2.91	2.99	3.06	3.14	3.21
162.5	2.90	2.91	2.93	2.94	2.96	2.97	3.05	3.13	3.21	3.29
165.0	3.51	3.51	3.51	3.52	3.52	3.52	3.55	3.57	3.60	3.63
167.5	3.99	3.98	3.98	3.98	3.98	3.98	3.99	3.99	4.00	4.01
170.0	3.97	3.97	3.96	3.96	3.95	3.95	3.96	3.97	3.98	3.99
172.5	3.97	3.97	3.96	3.96	3.95	3.95	3.95	3.96	3.96	3.96
175.0	3.95	3.94	3.93	3.92	3.91	3.90	3.91	3.92	3.93	3.94
177.5	3.88	3.87	3.86	3.86	3.85	3.84	3.86	3.87	3.89	3.90
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

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	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	819.02	819.46	819.90	820.33	820.77	822.26	823.76	825.25	826.74	828.23
5.0	825.40	823.82	822.24	820.65	819.07	810.81	802.55	794.30	786.04	777.78
7.5	770.23	759.69	749.15	738.61	728.08	722.48	716.88	711.28	705.68	700.08

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

10.0	703.70	691.56	679.42	667.28	655.14	650.78	646.41	642.05	637.68	633.32
12.5	657.55	645.59	633.63	621.66	609.70	603.40	597.10	590.80	584.50	578.20
15.0	613.99	600.29	586.59	572.88	559.18	551.34	543.50	535.66	527.82	519.97
17.5	564.59	548.81	533.03	517.25	501.47	493.20	484.94	476.67	468.40	460.13
20.0	522.73	507.43	492.12	476.82	461.52	451.82	442.13	432.43	422.73	413.04
22.5	478.58	462.28	445.98	429.68	413.38	403.74	394.10	384.47	374.83	365.20
25.0	433.56	416.89	400.22	383.55	366.88	357.15	347.42	337.70	327.97	318.24
27.5	388.88	371.83	354.77	337.72	320.66	311.83	303.00	294.17	285.33	276.50
30.0	350.29	333.29	316.29	299.29	282.29	274.65	267.01	259.37	251.73	244.10
32.5	317.59	299.81	282.02	264.24	246.46	240.48	234.51	228.54	222.56	216.59
35.0	283.10	266.22	249.35	232.47	215.60	210.90	206.20	201.51	196.81	192.11
37.5	255.52	239.85	224.18	208.51	192.84	188.35	183.86	179.38	174.89	170.41
40.0	229.10	214.93	200.77	186.60	172.44	168.12	163.81	159.49	155.17	150.86
42.5	204.73	192.40	180.07	167.74	155.41	151.15	146.90	142.65	138.40	134.15
45.0	180.49	169.95	159.41	148.87	138.33	134.75	131.18	127.60	124.03	120.45
47.5	159.60	150.58	141.56	132.55	123.53	120.70	117.87	115.05	112.22	109.39
50.0	139.92	132.30	124.69	117.07	109.46	107.16	104.86	102.57	100.27	97.97
52.5	122.79	116.33	109.88	103.42	96.97	94.91	92.85	90.79	88.73	86.67
55.0	107.57	101.82	96.06	90.31	84.55	82.80	81.05	79.29	77.54	75.79
57.5	95.38	90.21	85.04	79.86	74.69	72.81	70.93	69.04	67.16	65.28
60.0	83.63	79.04	74.45	69.86	65.27	63.28	61.28	59.29	57.30	55.30
62.5	71.59	67.46	63.32	59.19	55.06	53.07	51.09	49.10	47.12	45.14
65.0	59.89	56.23	52.56	48.90	45.23	43.16	41.09	39.02	36.95	34.88
67.5	48.64	45.24	41.84	38.44	35.04	32.58	30.13	27.67	25.22	22.77
70.0	36.70	33.36	30.02	26.67	23.33	21.35	19.36	17.38	15.39	13.41
72.5	25.20	21.71	18.22	14.73	11.24	10.66	10.08	9.50	8.91	8.33
75.0	17.46	14.35	11.24	8.13	5.02	5.19	5.36	5.53	5.70	5.86
77.5	13.14	10.81	8.48	6.15	3.82	4.17	4.53	4.88	5.24	5.59
80.0	11.20	9.51	7.81	6.12	4.43	4.71	5.00	5.28	5.56	5.85
82.5	12.12	10.42	8.72	7.02	5.32	5.50	5.69	5.88	6.06	6.25
85.0	14.45	12.40	10.35	8.30	6.25	6.28	6.31	6.34	6.37	6.40
87.5	16.05	13.59	11.14	8.68	6.23	6.06	5.89	5.72	5.55	5.39
90.0	17.64	14.85	12.06	9.27	6.48	6.18	5.87	5.57	5.27	4.96
92.5	18.23	15.43	12.64	9.84	7.05	6.85	6.65	6.46	6.26	6.06
95.0	17.47	14.83	12.19	9.55	6.91	6.86	6.81	6.76	6.71	6.67
97.5	16.27	13.82	11.37	8.92	6.47	6.44	6.41	6.38	6.36	6.33
100.0	15.00	12.70	10.40	8.10	5.80	5.84	5.89	5.93	5.97	6.02
102.5	14.03	11.94	9.85	7.76	5.67	5.73	5.79	5.86	5.92	5.98
105.0	13.27	11.39	9.51	7.63	5.75	5.81	5.88	5.94	6.00	6.07
107.5	12.33	10.67	9.00	7.34	5.67	5.81	5.95	6.10	6.24	6.38
110.0	11.31	9.86	8.41	6.97	5.52	5.73	5.93	6.14	6.34	6.55
112.5	10.20	8.93	7.67	6.40	5.14	5.38	5.62	5.86	6.10	6.35
115.0	9.21	8.11	7.01	5.91	4.81	5.03	5.24	5.46	5.67	5.89
117.5	8.39	7.45	6.52	5.58	4.65	4.87	5.09	5.31	5.52	5.74
120.0	7.66	6.91	6.15	5.40	4.65	4.85	5.05	5.26	5.46	5.66
122.5	7.17	6.55	5.92	5.30	4.68	4.86	5.04	5.22	5.40	5.58
125.0	6.63	6.14	5.64	5.15	4.65	4.80	4.96	5.11	5.26	5.42
127.5	5.93	5.57	5.22	4.86	4.51	4.60	4.70	4.80	4.90	4.99
130.0	5.70	5.38	5.06	4.74	4.42	4.51	4.59	4.68	4.76	4.85
132.5	5.46	5.19	4.93	4.66	4.40	4.48	4.57	4.66	4.75	4.84
135.0	5.16	4.92	4.68	4.44	4.20	4.32	4.43	4.55	4.67	4.78
137.5	4.97	4.79	4.60	4.42	4.23	4.34	4.46	4.57	4.68	4.80
140.0	4.75	4.60	4.45	4.30	4.15	4.27	4.39	4.52	4.64	4.76
142.5	4.46	4.38	4.29	4.21	4.12	4.22	4.33	4.43	4.53	4.63
145.0	4.36	4.26	4.17	4.07	3.98	4.08	4.19	4.29	4.39	4.50
147.5	4.31	4.23	4.14	4.06	3.98	4.04	4.09	4.15	4.20	4.26

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

150.0	4.14	4.10	4.06	4.02	3.98	3.98	3.98	3.97	3.97	3.97
152.5	3.98	3.98	3.98	3.98	3.99	3.97	3.95	3.93	3.91	3.90
155.0	3.69	3.73	3.78	3.82	3.87	3.87	3.88	3.88	3.89	3.89
157.5	3.36	3.43	3.49	3.56	3.62	3.65	3.68	3.72	3.75	3.78
160.0	3.29	3.36	3.44	3.51	3.59	3.62	3.65	3.68	3.71	3.73
162.5	3.36	3.44	3.52	3.60	3.68	3.70	3.72	3.74	3.76	3.77
165.0	3.65	3.68	3.71	3.73	3.76	3.78	3.81	3.83	3.85	3.88
167.5	4.01	4.02	4.03	4.03	4.04	4.11	4.18	4.26	4.33	4.40
170.0	4.00	4.01	4.02	4.03	4.04	4.09	4.15	4.20	4.25	4.31
172.5	3.97	3.97	3.97	3.98	3.98	4.01	4.03	4.06	4.08	4.11
175.0	3.94	3.95	3.96	3.97	3.98	4.00	4.02	4.05	4.07	4.09
177.5	3.92	3.93	3.95	3.96	3.98	3.97	3.97	3.96	3.96	3.95
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

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	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	829.73	831.22	832.71	834.21	834.38	834.55	834.73	834.90	835.07	835.25
5.0	769.52	761.27	753.01	744.75	741.91	739.06	736.22	733.38	730.53	727.69
7.5	694.48	688.88	683.28	677.69	674.35	671.01	667.67	664.34	661.00	657.66
10.0	628.95	624.59	620.22	615.86	612.48	609.10	605.72	602.34	598.97	595.59
12.5	571.90	565.60	559.30	553.00	549.42	545.83	542.25	538.66	535.08	531.49
15.0	512.13	504.29	496.45	488.61	484.85	481.09	477.32	473.56	469.80	466.04
17.5	451.87	443.60	435.33	427.07	423.77	420.47	417.18	413.88	410.59	407.29
20.0	403.34	393.64	383.95	374.25	371.43	368.61	365.80	362.98	360.16	357.34
22.5	355.56	345.93	336.29	326.66	323.37	320.09	316.81	313.52	310.24	306.96
25.0	308.51	298.79	289.06	279.33	276.52	273.71	270.91	268.10	265.29	262.48
27.5	267.67	258.84	250.01	241.18	239.40	237.63	235.85	234.08	232.31	230.53
30.0	236.46	228.82	221.18	213.54	212.55	211.55	210.56	209.56	208.57	207.57
32.5	210.62	204.65	198.67	192.70	191.66	190.63	189.59	188.55	187.52	186.48
35.0	187.41	182.72	178.02	173.32	171.72	170.12	168.52	166.92	165.33	163.73
37.5	165.92	161.44	156.95	152.47	150.97	149.48	147.99	146.49	145.00	143.51
40.0	146.54	142.22	137.91	133.59	132.32	131.04	129.77	128.49	127.22	125.94
42.5	129.90	125.65	121.40	117.15	116.65	116.15	115.65	115.15	114.65	114.16
45.0	116.88	113.30	109.73	106.15	106.44	106.73	107.01	107.30	107.59	107.88
47.5	106.56	103.73	100.90	98.08	98.26	98.45	98.64	98.83	99.02	99.21
50.0	95.67	93.38	91.08	88.78	88.70	88.61	88.53	88.44	88.36	88.27
52.5	84.61	82.55	80.49	78.43	78.08	77.74	77.40	77.06	76.72	76.38
55.0	74.04	72.28	70.53	68.78	68.22	67.66	67.10	66.54	65.99	65.43
57.5	63.40	61.51	59.63	57.75	57.53	57.31	57.10	56.88	56.66	56.44
60.0	53.31	51.32	49.32	47.33	47.21	47.10	46.98	46.86	46.75	46.63
62.5	43.15	41.17	39.18	37.20	36.93	36.66	36.39	36.12	35.85	35.58
65.0	32.81	30.74	28.67	26.60	26.00	25.41	24.81	24.22	23.62	23.03
67.5	20.31	17.86	15.40	12.95	12.34	11.74	11.13	10.52	9.92	9.31
70.0	11.42	9.44	7.45	5.47	5.64	5.80	5.97	6.14	6.30	6.47
72.5	7.75	7.17	6.59	6.01	6.23	6.46	6.68	6.91	7.14	7.36
75.0	6.03	6.20	6.37	6.54	6.83	7.11	7.40	7.68	7.97	8.25
77.5	5.94	6.30	6.65	7.01	7.35	7.70	8.04	8.39	8.73	9.08
80.0	6.13	6.41	6.70	6.98	7.40	7.82	8.25	8.67	9.09	9.51
82.5	6.44	6.63	6.81	7.00	7.39	7.78	8.18	8.57	8.96	9.35
85.0	6.43	6.46	6.49	6.52	6.93	7.34	7.75	8.16	8.57	8.98
87.5	5.22	5.05	4.88	4.72	4.98	5.25	5.51	5.78	6.04	6.31
90.0	4.66	4.36	4.05	3.75	3.63	3.51	3.38	3.26	3.14	3.02
92.5	5.86	5.66	5.46	5.27	5.12	4.98	4.83	4.69	4.54	4.40
95.0	6.62	6.57	6.52	6.47	6.23	5.98	5.74	5.49	5.25	5.00

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

97.5	6.30	6.27	6.25	6.22	6.01	5.81	5.60	5.39	5.19	4.98
100.0	6.06	6.10	6.15	6.19	6.04	5.89	5.74	5.59	5.43	5.28
102.5	6.04	6.10	6.16	6.23	6.12	6.01	5.90	5.79	5.69	5.58
105.0	6.13	6.19	6.26	6.32	6.24	6.15	6.07	5.98	5.90	5.81
107.5	6.52	6.67	6.81	6.95	6.91	6.87	6.83	6.78	6.74	6.70
110.0	6.75	6.96	7.16	7.37	7.33	7.28	7.24	7.19	7.15	7.10
112.5	6.59	6.83	7.07	7.31	7.33	7.34	7.36	7.37	7.39	7.40
115.0	6.10	6.32	6.53	6.75	6.83	6.91	6.99	7.07	7.14	7.22
117.5	5.96	6.18	6.40	6.62	6.66	6.71	6.75	6.80	6.84	6.89
120.0	5.86	6.07	6.27	6.47	6.56	6.65	6.75	6.84	6.93	7.02
122.5	5.76	5.94	6.12	6.31	6.40	6.49	6.58	6.67	6.76	6.86
125.0	5.57	5.72	5.88	6.03	6.12	6.21	6.30	6.39	6.49	6.58
127.5	5.09	5.19	5.29	5.39	5.45	5.52	5.59	5.66	5.73	5.80
130.0	4.93	5.02	5.10	5.19	5.15	5.11	5.07	5.03	4.99	4.95
132.5	4.93	5.01	5.10	5.19	5.18	5.17	5.17	5.16	5.15	5.14
135.0	4.90	5.02	5.13	5.25	5.25	5.26	5.26	5.27	5.27	5.28
137.5	4.91	5.02	5.14	5.25	5.31	5.36	5.42	5.47	5.53	5.59
140.0	4.88	5.01	5.13	5.25	5.30	5.36	5.41	5.46	5.52	5.57
142.5	4.74	4.84	4.94	5.05	5.09	5.13	5.17	5.21	5.25	5.29
145.0	4.60	4.70	4.81	4.91	4.90	4.89	4.88	4.87	4.87	4.86
147.5	4.32	4.37	4.43	4.49	4.45	4.42	4.39	4.36	4.33	4.30
150.0	3.97	3.96	3.96	3.96	3.97	3.98	3.99	4.00	4.00	4.01
152.5	3.88	3.86	3.84	3.83	3.82	3.81	3.80	3.80	3.79	3.78
155.0	3.90	3.90	3.91	3.91	3.87	3.83	3.79	3.75	3.70	3.66
157.5	3.81	3.85	3.88	3.91	3.86	3.81	3.77	3.72	3.67	3.62
160.0	3.76	3.79	3.82	3.85	3.81	3.77	3.73	3.69	3.64	3.60
162.5	3.79	3.81	3.83	3.85	3.82	3.79	3.76	3.73	3.71	3.68
165.0	3.90	3.92	3.95	3.97	3.94	3.90	3.87	3.83	3.80	3.76
167.5	4.47	4.55	4.62	4.69	4.61	4.53	4.46	4.38	4.30	4.22
170.0	4.36	4.41	4.47	4.52	4.46	4.40	4.34	4.28	4.23	4.17
172.5	4.14	4.16	4.19	4.22	4.19	4.16	4.13	4.10	4.07	4.05
175.0	4.11	4.14	4.16	4.18	4.13	4.09	4.04	3.99	3.95	3.90
177.5	3.95	3.94	3.94	3.93	3.86	3.79	3.72	3.65	3.59	3.52
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

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	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	835.42	835.59	835.77	836.44	837.11	837.79	838.46	839.13	839.81	840.48
5.0	724.85	722.00	719.16	720.89	722.62	724.34	726.07	727.80	729.53	731.25
7.5	654.32	650.99	647.65	649.89	652.13	654.37	656.61	658.85	661.09	663.33
10.0	592.21	588.83	585.45	588.46	591.47	594.48	597.49	600.49	603.50	606.51
12.5	527.91	524.32	520.74	524.92	529.11	533.30	537.49	541.68	545.87	550.05
15.0	462.27	458.51	454.75	458.93	463.11	467.30	471.48	475.66	479.84	484.03
17.5	404.00	400.70	397.41	401.09	404.78	408.47	412.16	415.84	419.53	423.22
20.0	354.53	351.71	348.89	352.19	355.49	358.78	362.08	365.38	368.68	371.97
22.5	303.67	300.39	297.11	301.26	305.41	309.56	313.71	317.86	322.01	326.16
25.0	259.68	256.87	254.06	257.76	261.46	265.15	268.85	272.55	276.25	279.94
27.5	228.76	226.98	225.21	227.76	230.32	232.87	235.43	237.98	240.53	243.09
30.0	206.58	205.58	204.59	206.36	208.14	209.91	211.69	213.46	215.24	217.01
32.5	185.44	184.41	183.37	185.10	186.82	188.55	190.27	192.00	193.73	195.45
35.0	162.13	160.53	158.93	160.97	163.00	165.04	167.07	169.11	171.14	173.18
37.5	142.02	140.52	139.03	140.85	142.68	144.50	146.33	148.15	149.98	151.80
40.0	124.67	123.39	122.12	123.74	125.36	126.99	128.61	130.23	131.85	133.48
42.5	113.66	113.16	112.66	113.52	114.38	115.24	116.10	116.96	117.82	118.68

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

45.0	108.16	108.45	108.74	108.86	108.97	109.09	109.20	109.32	109.43	109.55
47.5	99.39	99.58	99.77	99.94	100.11	100.27	100.44	100.61	100.78	100.94
50.0	88.19	88.10	88.02	88.48	88.95	89.41	89.87	90.34	90.80	91.26
52.5	76.04	75.70	75.36	76.08	76.80	77.52	78.24	78.96	79.68	80.40
55.0	64.87	64.31	63.75	64.69	65.64	66.58	67.53	68.47	69.42	70.36
57.5	56.23	56.01	55.79	56.39	57.00	57.60	58.20	58.80	59.41	60.01
60.0	46.51	46.40	46.28	46.65	47.02	47.38	47.75	48.12	48.49	48.85
62.5	35.31	35.04	34.77	35.27	35.77	36.27	36.77	37.27	37.78	38.28
65.0	22.43	21.84	21.24	22.04	22.83	23.63	24.42	25.22	26.01	26.81
67.5	8.70	8.10	7.49	8.25	9.01	9.77	10.53	11.29	12.05	12.81
70.0	6.64	6.80	6.97	6.80	6.62	6.45	6.28	6.10	5.93	5.76
72.5	7.59	7.81	8.04	7.79	7.54	7.30	7.05	6.80	6.55	6.31
75.0	8.54	8.82	9.11	8.81	8.50	8.20	7.89	7.59	7.28	6.98
77.5	9.42	9.77	10.12	9.76	9.40	9.05	8.69	8.33	7.98	7.62
80.0	9.94	10.36	10.78	10.35	9.91	9.48	9.05	8.61	8.18	7.75
82.5	9.74	10.13	10.53	10.12	9.71	9.31	8.90	8.50	8.09	7.69
85.0	9.39	9.80	10.21	9.81	9.40	9.00	8.60	8.19	7.79	7.39
87.5	6.57	6.84	7.11	6.85	6.59	6.34	6.08	5.82	5.57	5.31
90.0	2.89	2.77	2.65	2.80	2.94	3.09	3.23	3.38	3.52	3.67
92.5	4.25	4.11	3.97	4.16	4.36	4.56	4.75	4.95	5.15	5.34
95.0	4.76	4.51	4.27	4.54	4.81	5.08	5.35	5.63	5.90	6.17
97.5	4.77	4.57	4.36	4.62	4.89	5.15	5.42	5.68	5.94	6.21
100.0	5.13	4.98	4.83	5.02	5.21	5.40	5.59	5.78	5.97	6.16
102.5	5.47	5.36	5.26	5.39	5.53	5.66	5.80	5.94	6.07	6.21
105.0	5.73	5.64	5.56	5.67	5.79	5.90	6.02	6.13	6.25	6.36
107.5	6.66	6.62	6.58	6.61	6.64	6.67	6.70	6.73	6.76	6.79
110.0	7.06	7.01	6.97	6.98	6.99	7.00	7.01	7.01	7.02	7.03
112.5	7.42	7.43	7.45	7.39	7.33	7.27	7.22	7.16	7.10	7.04
115.0	7.30	7.38	7.46	7.41	7.37	7.32	7.28	7.23	7.19	7.14
117.5	6.93	6.98	7.03	7.04	7.06	7.08	7.10	7.11	7.13	7.15
120.0	7.12	7.21	7.30	7.27	7.23	7.20	7.16	7.13	7.09	7.06
122.5	6.95	7.04	7.13	7.08	7.03	6.98	6.93	6.88	6.83	6.78
125.0	6.67	6.76	6.85	6.77	6.68	6.60	6.51	6.43	6.34	6.26
127.5	5.86	5.93	6.00	5.88	5.76	5.63	5.51	5.39	5.27	5.14
130.0	4.91	4.87	4.83	4.83	4.82	4.82	4.81	4.81	4.80	4.80
132.5	5.13	5.12	5.12	5.08	5.05	5.02	4.98	4.95	4.92	4.89
135.0	5.28	5.29	5.29	5.24	5.19	5.14	5.09	5.05	5.00	4.95
137.5	5.64	5.70	5.76	5.67	5.59	5.51	5.43	5.35	5.27	5.18
140.0	5.62	5.68	5.73	5.65	5.57	5.49	5.41	5.34	5.26	5.18
142.5	5.33	5.37	5.42	5.36	5.31	5.25	5.20	5.15	5.09	5.04
145.0	4.85	4.84	4.83	4.76	4.68	4.61	4.54	4.46	4.39	4.32
147.5	4.27	4.24	4.21	4.15	4.09	4.03	3.97	3.90	3.84	3.78
150.0	4.02	4.03	4.04	3.95	3.87	3.78	3.70	3.61	3.53	3.44
152.5	3.77	3.77	3.76	3.70	3.64	3.58	3.52	3.45	3.39	3.33
155.0	3.62	3.58	3.54	3.50	3.47	3.43	3.39	3.36	3.32	3.28
157.5	3.58	3.53	3.48	3.45	3.42	3.39	3.36	3.33	3.30	3.27
160.0	3.56	3.52	3.48	3.44	3.41	3.37	3.34	3.30	3.27	3.23
162.5	3.65	3.62	3.59	3.54	3.49	3.45	3.40	3.35	3.30	3.26
165.0	3.73	3.69	3.66	3.62	3.58	3.53	3.49	3.45	3.41	3.36
167.5	4.15	4.07	3.99	3.95	3.91	3.86	3.82	3.78	3.74	3.69
170.0	4.11	4.05	3.99	3.93	3.88	3.82	3.77	3.71	3.66	3.60
172.5	4.02	3.99	3.96	3.91	3.85	3.80	3.74	3.69	3.63	3.58
175.0	3.85	3.81	3.76	3.71	3.65	3.60	3.54	3.49	3.43	3.38
177.5	3.45	3.38	3.31	3.29	3.27	3.25	3.23	3.21	3.19	3.17
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	841.16	841.83	841.35	840.86	840.38	839.90	839.41	838.93	838.45	837.96
5.0	732.98	734.71	741.27	747.83	754.38	760.94	767.50	774.06	780.61	787.17
7.5	665.57	667.81	673.68	679.55	685.43	691.30	697.18	703.05	708.93	714.80
10.0	609.52	612.53	618.51	624.49	630.47	636.45	642.43	648.41	654.39	660.37
12.5	554.24	558.43	566.33	574.22	582.12	590.02	597.92	605.81	613.71	621.61
15.0	488.21	492.39	500.33	508.28	516.22	524.17	532.11	540.06	548.00	555.95
17.5	426.91	430.60	439.22	447.85	456.48	465.11	473.74	482.37	491.00	499.63
20.0	375.27	378.57	388.06	397.55	407.04	416.53	426.01	435.50	444.99	454.48
22.5	330.31	334.47	343.63	352.79	361.95	371.12	380.28	389.44	398.60	407.77
25.0	283.64	287.34	296.57	305.80	315.02	324.25	333.48	342.71	351.93	361.16
27.5	245.64	248.20	257.61	267.03	276.45	285.87	295.29	304.71	314.13	323.55
30.0	218.79	220.56	228.88	237.19	245.51	253.82	262.14	270.45	278.77	287.08
32.5	197.18	198.91	205.44	211.97	218.50	225.03	231.57	238.10	244.63	251.16
35.0	175.21	177.25	182.61	187.97	193.34	198.70	204.06	209.42	214.79	220.15
37.5	153.63	155.45	160.47	165.49	170.52	175.54	180.56	185.58	190.60	195.62
40.0	135.10	136.72	141.70	146.68	151.66	156.64	161.62	166.60	171.58	176.56
42.5	119.54	120.40	125.12	129.84	134.56	139.29	144.01	148.73	153.45	158.18
45.0	109.66	109.78	113.76	117.74	121.72	125.70	129.68	133.66	137.64	141.62
47.5	101.11	101.28	104.43	107.57	110.72	113.86	117.01	120.15	123.30	126.44
50.0	91.73	92.19	94.74	97.28	99.83	102.38	104.92	107.47	110.02	112.56
52.5	81.12	81.85	83.97	86.09	88.22	90.34	92.46	94.59	96.71	98.83
55.0	71.31	72.25	74.07	75.89	77.71	79.53	81.35	83.17	84.99	86.81
57.5	60.61	61.21	63.06	64.90	66.74	68.59	70.43	72.27	74.12	75.96
60.0	49.22	49.59	51.58	53.57	55.56	57.55	59.53	61.52	63.51	65.50
62.5	38.78	39.28	41.23	43.18	45.13	47.08	49.03	50.98	52.93	54.88
65.0	27.60	28.40	30.45	32.51	34.56	36.61	38.67	40.72	42.77	44.83
67.5	13.57	14.33	16.76	19.20	21.63	24.07	26.50	28.94	31.37	33.81
70.0	5.58	5.41	7.49	9.57	11.65	13.73	15.81	17.89	19.97	22.05
72.5	6.06	5.81	6.51	7.20	7.90	8.59	9.29	9.99	10.68	11.38
75.0	6.67	6.37	6.20	6.04	5.87	5.70	5.54	5.37	5.20	5.04
77.5	7.26	6.91	6.51	6.12	5.72	5.33	4.93	4.54	4.14	3.75
80.0	7.31	6.88	6.57	6.27	5.96	5.65	5.35	5.04	4.73	4.43
82.5	7.28	6.88	6.69	6.50	6.31	6.13	5.94	5.75	5.56	5.38
85.0	6.98	6.58	6.57	6.56	6.55	6.54	6.52	6.51	6.50	6.49
87.5	5.06	4.80	5.05	5.29	5.54	5.78	6.03	6.27	6.52	6.76
90.0	3.81	3.96	4.33	4.70	5.06	5.43	5.80	6.17	6.53	6.90
92.5	5.54	5.74	5.95	6.17	6.39	6.61	6.83	7.05	7.27	7.49
95.0	6.44	6.71	6.80	6.89	6.99	7.08	7.17	7.26	7.36	7.45
97.5	6.47	6.74	6.76	6.79	6.82	6.85	6.88	6.91	6.94	6.97
100.0	6.35	6.54	6.55	6.56	6.57	6.58	6.60	6.61	6.62	6.63
102.5	6.34	6.48	6.51	6.54	6.57	6.60	6.63	6.66	6.69	6.72
105.0	6.48	6.59	6.61	6.63	6.64	6.66	6.68	6.70	6.71	6.73
107.5	6.82	6.85	6.84	6.83	6.82	6.81	6.79	6.78	6.77	6.76
110.0	7.04	7.05	7.00	6.95	6.89	6.84	6.79	6.74	6.68	6.63
112.5	6.99	6.93	6.83	6.73	6.63	6.53	6.42	6.32	6.22	6.12
115.0	7.10	7.05	6.89	6.73	6.57	6.41	6.26	6.10	5.94	5.78
117.5	7.17	7.19	6.94	6.69	6.44	6.19	5.94	5.69	5.44	5.19
120.0	7.02	6.99	6.69	6.40	6.10	5.81	5.51	5.22	4.92	4.63
122.5	6.73	6.68	6.41	6.13	5.86	5.59	5.31	5.04	4.77	4.49
125.0	6.17	6.09	5.86	5.64	5.41	5.18	4.96	4.73	4.50	4.28
127.5	5.02	4.90	4.80	4.71	4.61	4.51	4.41	4.32	4.22	4.12
130.0	4.79	4.79	4.67	4.55	4.43	4.31	4.19	4.07	3.95	3.83

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

132.5	4.85	4.82	4.67	4.51	4.36	4.20	4.05	3.89	3.74	3.58
135.0	4.90	4.85	4.69	4.52	4.36	4.20	4.03	3.87	3.71	3.54
137.5	5.10	5.02	4.83	4.65	4.46	4.28	4.09	3.91	3.72	3.54
140.0	5.10	5.02	4.83	4.64	4.45	4.26	4.08	3.89	3.70	3.51
142.5	4.98	4.93	4.75	4.57	4.38	4.20	4.02	3.84	3.65	3.47
145.0	4.24	4.17	4.07	3.97	3.87	3.77	3.66	3.56	3.46	3.36
147.5	3.72	3.66	3.60	3.53	3.47	3.41	3.35	3.28	3.22	3.16
150.0	3.36	3.27	3.19	3.11	3.02	2.94	2.86	2.78	2.69	2.61
152.5	3.27	3.21	3.15	3.10	3.04	2.98	2.93	2.87	2.81	2.76
155.0	3.25	3.21	3.20	3.19	3.17	3.16	3.15	3.14	3.12	3.11
157.5	3.24	3.21	3.20	3.20	3.19	3.19	3.18	3.17	3.17	3.16
160.0	3.20	3.16	3.15	3.15	3.14	3.13	3.13	3.12	3.11	3.11
162.5	3.21	3.16	3.14	3.13	3.11	3.09	3.08	3.06	3.04	3.03
165.0	3.32	3.28	3.26	3.24	3.22	3.20	3.18	3.16	3.14	3.12
167.5	3.65	3.61	3.57	3.52	3.48	3.43	3.39	3.34	3.30	3.25
170.0	3.55	3.49	3.45	3.40	3.36	3.32	3.27	3.23	3.19	3.14
172.5	3.52	3.47	3.42	3.38	3.34	3.30	3.26	3.22	3.18	3.14
175.0	3.32	3.27	3.24	3.21	3.17	3.14	3.11	3.08	3.04	3.01
177.5	3.15	3.13	3.10	3.07	3.04	3.01	2.98	2.95	2.92	2.89
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

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	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	837.48	836.05	834.62	833.20	831.77	830.34	828.91	827.49	826.06	824.63
5.0	793.73	802.60	811.46	820.33	829.20	838.06	846.93	855.80	864.66	873.53
7.5	720.68	732.58	744.49	756.40	768.31	780.22	792.13	804.03	815.94	827.85
10.0	666.35	679.05	691.75	704.45	717.15	729.86	742.56	755.26	767.96	780.66
12.5	629.51	639.50	649.49	659.48	669.47	679.47	689.46	699.45	709.44	719.44
15.0	563.89	576.50	589.11	601.73	614.34	626.95	639.56	652.18	664.79	677.40
17.5	508.26	522.49	536.73	550.96	565.19	579.42	593.66	607.89	622.12	636.36
20.0	463.97	480.36	496.74	513.13	529.52	545.90	562.29	578.68	595.06	611.45
22.5	416.93	434.81	452.70	470.58	488.46	506.34	524.23	542.11	559.99	577.88
25.0	370.39	388.71	407.04	425.36	443.69	462.01	480.34	498.66	516.99	535.31
27.5	332.97	350.38	367.79	385.20	402.61	420.02	437.43	454.84	472.25	489.66
30.0	295.40	313.23	331.06	348.89	366.72	384.54	402.37	420.20	438.03	455.86
32.5	257.70	275.13	292.56	310.00	327.43	344.87	362.30	379.74	397.17	414.61
35.0	225.51	242.74	259.96	277.19	294.41	311.64	328.86	346.09	363.31	380.54
37.5	200.65	216.61	232.57	248.53	264.49	280.45	296.41	312.37	328.33	344.29
40.0	181.54	196.10	210.65	225.21	239.76	254.32	268.87	283.43	297.98	312.54
42.5	162.90	175.40	187.90	200.40	212.90	225.39	237.89	250.39	262.89	275.39
45.0	145.60	156.26	166.91	177.57	188.22	198.88	209.53	220.19	230.84	241.50
47.5	129.59	138.53	147.48	156.42	165.37	174.31	183.25	192.20	201.14	210.09
50.0	115.11	122.52	129.92	137.33	144.73	152.14	159.54	166.95	174.35	181.76
52.5	100.96	107.47	113.98	120.49	127.00	133.51	140.02	146.53	153.04	159.56
55.0	88.63	94.53	100.42	106.32	112.21	118.11	124.00	129.90	135.79	141.69
57.5	77.80	83.26	88.72	94.18	99.64	105.10	110.55	116.01	121.47	126.93
60.0	67.49	72.64	77.78	82.93	88.07	93.22	98.36	103.51	108.65	113.80
62.5	56.83	61.77	66.72	71.67	76.62	81.56	86.51	91.46	96.41	101.36
65.0	46.88	51.41	55.94	60.47	65.00	69.54	74.07	78.60	83.13	87.66
67.5	36.25	40.43	44.62	48.81	52.99	57.18	61.37	65.55	69.74	73.93
70.0	24.13	28.13	32.14	36.14	40.15	44.15	48.16	52.16	56.17	60.17
72.5	12.08	16.06	20.05	24.04	28.03	32.02	36.01	39.99	43.98	47.97
75.0	4.87	8.45	12.02	15.60	19.17	22.75	26.32	29.90	33.47	37.05
77.5	3.36	6.01	8.66	11.31	13.96	16.61	19.26	21.91	24.56	27.21

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

80.0	4.12	5.89	7.66	9.43	11.20	12.97	14.74	16.51	18.28	20.05
82.5	5.19	6.88	8.57	10.25	11.94	13.63	15.32	17.00	18.69	20.38
85.0	6.48	8.59	10.70	12.81	14.92	17.02	19.13	21.24	23.35	25.46
87.5	7.01	9.55	12.09	14.63	17.17	19.72	22.26	24.80	27.34	29.89
90.0	7.27	10.23	13.19	16.15	19.11	22.06	25.02	27.98	30.94	33.90
92.5	7.71	10.66	13.61	16.57	19.52	22.47	25.42	28.37	31.32	34.28
95.0	7.54	10.35	13.16	15.98	18.79	21.60	24.41	27.23	30.04	32.85
97.5	7.00	9.62	12.24	14.86	17.48	20.10	22.72	25.34	27.96	30.58
100.0	6.64	9.02	11.39	13.77	16.14	18.52	20.89	23.27	25.64	28.02
102.5	6.76	8.85	10.94	13.03	15.12	17.22	19.31	21.40	23.49	25.59
105.0	6.75	8.59	10.43	12.27	14.11	15.94	17.78	19.62	21.46	23.30
107.5	6.75	8.35	9.95	11.55	13.15	14.75	16.35	17.95	19.55	21.15
110.0	6.58	7.96	9.35	10.73	12.11	13.50	14.88	16.26	17.65	19.03
112.5	6.02	7.24	8.45	9.67	10.88	12.10	13.32	14.53	15.75	16.97
115.0	5.62	6.67	7.72	8.76	9.81	10.86	11.91	12.95	14.00	15.05
117.5	4.95	5.87	6.80	7.73	8.66	9.59	10.52	11.45	12.38	13.31
120.0	4.33	5.17	6.01	6.86	7.70	8.54	9.38	10.23	11.07	11.91
122.5	4.22	4.93	5.64	6.34	7.05	7.76	8.47	9.17	9.88	10.59
125.0	4.05	4.65	5.25	5.85	6.45	7.04	7.64	8.24	8.84	9.44
127.5	4.03	4.49	4.95	5.42	5.88	6.34	6.81	7.27	7.74	8.20
130.0	3.71	4.15	4.58	5.02	5.46	5.89	6.33	6.77	7.20	7.64
132.5	3.43	3.82	4.20	4.59	4.98	5.36	5.75	6.14	6.52	6.91
135.0	3.38	3.70	4.01	4.33	4.65	4.96	5.28	5.60	5.91	6.23
137.5	3.35	3.60	3.85	4.11	4.36	4.61	4.86	5.11	5.36	5.62
140.0	3.32	3.51	3.69	3.88	4.07	4.25	4.44	4.63	4.81	5.00
142.5	3.29	3.46	3.63	3.80	3.96	4.13	4.30	4.47	4.64	4.81
145.0	3.26	3.38	3.50	3.62	3.74	3.85	3.97	4.09	4.21	4.33
147.5	3.10	3.18	3.26	3.34	3.42	3.50	3.58	3.66	3.74	3.82
150.0	2.53	2.59	2.65	2.72	2.78	2.84	2.90	2.97	3.03	3.09
152.5	2.70	2.71	2.72	2.73	2.74	2.75	2.76	2.77	2.78	2.79
155.0	3.10	3.04	2.97	2.91	2.85	2.78	2.72	2.66	2.59	2.53
157.5	3.16	3.09	3.02	2.95	2.88	2.81	2.74	2.67	2.60	2.53
160.0	3.10	3.04	2.97	2.91	2.85	2.78	2.72	2.66	2.59	2.53
162.5	3.01	2.96	2.92	2.87	2.82	2.77	2.73	2.68	2.63	2.59
165.0	3.10	3.05	3.00	2.95	2.90	2.85	2.80	2.75	2.70	2.65
167.5	3.21	3.22	3.22	3.23	3.23	3.24	3.24	3.25	3.25	3.26
170.0	3.10	3.12	3.14	3.15	3.17	3.19	3.21	3.22	3.24	3.26
172.5	3.10	3.12	3.14	3.16	3.18	3.21	3.23	3.25	3.27	3.29
175.0	2.98	3.00	3.03	3.05	3.08	3.10	3.13	3.15	3.18	3.20
177.5	2.87	2.90	2.94	2.98	3.01	3.05	3.09	3.13	3.16	3.20
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

Vert. 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	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	827.42	830.21	833.00	835.79	838.59	841.38	844.17	846.96	849.75	857.22
5.0	873.59	873.66	873.72	873.78	873.85	873.91	873.97	874.04	874.10	890.25
7.5	831.57	835.29	839.01	842.73	846.45	850.17	853.89	857.61	861.33	874.52
10.0	789.05	797.43	805.82	814.20	822.59	830.97	839.36	847.74	856.13	870.66
12.5	733.10	746.76	760.43	774.09	787.76	801.42	815.09	828.75	842.42	855.75
15.0	694.44	711.48	728.52	745.56	762.60	779.64	796.68	813.72	830.76	844.22
17.5	657.49	678.62	699.75	720.88	742.01	763.15	784.28	805.41	826.54	840.90
20.0	635.06	658.68	682.29	705.90	729.52	753.13	776.74	800.36	823.97	842.00
22.5	602.32	626.77	651.21	675.66	700.10	724.55	748.99	773.44	797.89	821.96
25.0	562.56	589.81	617.06	644.31	671.56	698.81	726.06	753.31	780.56	802.74

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

27.5	518.03	546.41	574.79	603.17	631.55	659.93	688.31	716.69	745.07	771.49
30.0	485.23	514.60	543.97	573.34	602.70	632.07	661.44	690.81	720.18	746.42
32.5	444.52	474.43	504.34	534.25	564.16	594.07	623.98	653.89	683.80	715.29
35.0	411.84	443.13	474.43	505.73	537.02	568.32	599.62	630.91	662.21	695.41
37.5	375.98	407.68	439.37	471.06	502.76	534.45	566.14	597.84	629.53	665.89
40.0	344.13	375.72	407.30	438.89	470.48	502.07	533.65	565.24	596.83	634.86
42.5	308.43	341.46	374.50	407.53	440.57	473.61	506.64	539.68	572.72	612.48
45.0	274.88	308.26	341.64	375.02	408.39	441.77	475.15	508.53	541.91	581.65
47.5	242.98	275.88	308.77	341.67	374.57	407.46	440.36	473.25	506.15	541.97
50.0	213.88	246.00	278.13	310.25	342.37	374.49	406.62	438.74	470.86	507.22
52.5	190.86	222.17	253.48	284.79	316.10	347.41	378.71	410.02	441.33	480.20
55.0	171.56	201.42	231.29	261.15	291.02	320.88	350.75	380.61	410.48	454.93
57.5	154.69	182.44	210.20	237.95	265.71	293.46	321.22	348.97	376.73	427.52
60.0	138.16	162.52	186.87	211.23	235.59	259.95	284.30	308.66	333.02	379.26
62.5	122.08	142.81	163.53	184.26	204.98	225.71	246.43	267.16	287.89	331.73
65.0	105.97	124.28	142.59	160.90	179.21	197.52	215.83	234.14	252.45	290.68
67.5	88.79	103.65	118.51	133.38	148.24	163.10	177.96	192.83	207.69	245.01
70.0	72.30	84.43	96.56	108.69	120.82	132.95	145.08	157.21	169.34	206.56
72.5	56.83	65.68	74.54	83.39	92.25	101.10	109.96	118.81	127.67	161.20
75.0	44.12	51.20	58.27	65.35	72.42	79.50	86.57	93.65	100.72	129.68
77.5	33.30	39.39	45.49	51.58	57.67	63.76	69.86	75.95	82.04	108.19
80.0	25.14	30.23	35.32	40.41	45.51	50.60	55.69	60.78	65.87	100.01
82.5	23.63	26.87	30.12	33.36	36.61	39.85	43.10	46.34	49.59	88.36
85.0	26.91	28.37	29.82	31.28	32.73	34.19	35.64	37.10	38.55	82.56
87.5	30.45	31.02	31.58	32.15	32.71	33.28	33.84	34.41	34.97	80.25
90.0	34.12	34.35	34.57	34.79	35.02	35.24	35.46	35.69	35.91	80.10
92.5	34.73	35.18	35.63	36.08	36.53	36.99	37.44	37.89	38.34	77.77
95.0	33.54	34.23	34.93	35.62	36.31	37.00	37.70	38.39	39.08	75.17
97.5	31.61	32.65	33.69	34.72	35.76	36.80	37.83	38.87	39.91	70.68
100.0	29.44	30.86	32.27	33.69	35.11	36.53	37.94	39.36	40.78	69.61
102.5	27.34	29.10	30.85	32.61	34.36	36.12	37.87	39.63	41.38	65.05
105.0	25.31	27.32	29.33	31.34	33.35	35.36	37.37	39.38	41.39	61.52
107.5	23.29	25.42	27.56	29.70	31.83	33.97	36.11	38.24	40.38	58.36
110.0	21.24	23.44	25.65	27.85	30.06	32.26	34.47	36.67	38.88	53.41
112.5	19.20	21.43	23.66	25.89	28.12	30.36	32.59	34.82	37.05	49.74
115.0	17.22	19.39	21.56	23.73	25.89	28.06	30.23	32.40	34.57	45.99
117.5	15.39	17.46	19.54	21.61	23.69	25.76	27.84	29.91	31.99	42.07
120.0	13.84	15.77	17.69	19.62	21.55	23.48	25.40	27.33	29.26	38.10
122.5	12.33	14.07	15.82	17.56	19.30	21.04	22.79	24.53	26.27	34.14
125.0	10.96	12.47	13.99	15.50	17.02	18.53	20.05	21.56	23.08	30.07
127.5	9.49	10.78	12.08	13.37	14.66	15.95	17.25	18.54	19.83	25.96
130.0	8.69	9.75	10.80	11.85	12.91	13.96	15.01	16.07	17.12	22.44
132.5	7.85	8.78	9.72	10.66	11.59	12.53	13.47	14.40	15.34	19.84
135.0	7.04	7.85	8.66	9.47	10.29	11.10	11.91	12.72	13.53	17.32
137.5	6.30	6.99	7.68	8.36	9.05	9.74	10.42	11.11	11.80	14.98
140.0	5.57	6.15	6.72	7.30	7.87	8.45	9.02	9.60	10.17	12.87
142.5	5.27	5.74	6.20	6.67	7.14	7.60	8.07	8.53	9.00	11.29
145.0	4.77	5.21	5.66	6.10	6.54	6.98	7.43	7.87	8.31	10.12
147.5	4.25	4.68	5.12	5.55	5.98	6.42	6.85	7.28	7.72	9.09
150.0	3.51	3.94	4.36	4.78	5.21	5.63	6.05	6.48	6.90	7.80
152.5	3.16	3.53	3.91	4.28	4.66	5.03	5.41	5.78	6.16	6.55
155.0	2.86	3.20	3.53	3.86	4.20	4.53	4.86	5.20	5.53	5.71
157.5	2.77	3.00	3.24	3.47	3.71	3.94	4.18	4.41	4.65	4.75
160.0	2.70	2.87	3.04	3.21	3.37	3.54	3.71	3.88	4.05	4.10
162.5	2.71	2.83	2.95	3.07	3.19	3.31	3.43	3.55	3.67	3.72
165.0	2.76	2.87	2.99	3.10	3.21	3.32	3.44	3.55	3.66	3.69

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

167.5	3.30	3.35	3.39	3.44	3.48	3.53	3.57	3.62	3.66	3.66
170.0	3.32	3.39	3.45	3.51	3.58	3.64	3.70	3.77	3.83	3.83
172.5	3.34	3.39	3.43	3.48	3.53	3.58	3.62	3.67	3.72	3.74
175.0	3.26	3.32	3.37	3.43	3.49	3.55	3.60	3.66	3.72	3.74
177.5	3.26	3.32	3.37	3.43	3.49	3.55	3.60	3.66	3.72	3.74
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
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	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	864.68	872.15	879.61	887.08	894.55	902.01	909.48	916.95	922.11	927.28
5.0	906.41	922.56	938.72	954.87	971.03	987.18	1003.34	1019.49	1015.93	1012.38
7.5	887.72	900.91	914.11	927.30	940.50	953.69	966.89	980.08	981.13	982.18
10.0	885.19	899.72	914.25	928.77	943.30	957.83	972.36	986.89	989.04	991.19
12.5	869.09	882.43	895.76	909.10	922.44	935.77	949.11	962.45	975.49	988.54
15.0	857.68	871.14	884.60	898.06	911.52	924.98	938.44	951.90	966.44	980.98
17.5	855.27	869.63	883.99	898.35	912.72	927.08	941.44	955.81	969.31	982.81
20.0	860.03	878.07	896.10	914.13	932.16	950.20	968.23	986.26	1001.03	1015.81
22.5	846.03	870.10	894.17	918.24	942.32	966.39	990.46	1014.53	1036.07	1057.61
25.0	824.92	847.09	869.27	891.45	913.63	935.80	957.98	980.16	1003.51	1026.86
27.5	797.92	824.35	850.77	877.20	903.63	930.06	956.48	982.91	1000.28	1017.64
30.0	772.66	798.90	825.14	851.39	877.63	903.87	930.11	956.35	988.76	1021.18
32.5	746.77	778.26	809.75	841.24	872.72	904.21	935.70	967.19	995.89	1024.60
35.0	728.61	761.81	795.01	828.22	861.42	894.62	927.82	961.02	978.53	996.04
37.5	702.25	738.62	774.98	811.34	847.70	884.06	920.42	956.79	987.00	1017.22
40.0	672.88	710.91	748.93	786.96	824.98	863.01	901.03	939.06	982.45	1025.84
42.5	652.25	692.02	731.78	771.55	811.32	851.09	890.85	930.62	958.85	987.07
45.0	621.39	661.13	700.87	740.62	780.36	820.10	859.84	899.58	920.73	941.88
47.5	577.78	613.60	649.42	685.24	721.05	756.87	792.69	828.51	861.40	894.30
50.0	543.59	579.95	616.32	652.68	689.05	725.41	761.78	798.14	852.07	906.00
52.5	519.06	557.93	596.80	635.67	674.53	713.40	752.27	791.14	873.45	955.76
55.0	499.38	543.84	588.29	632.74	677.19	721.65	766.10	810.55	849.90	889.25
57.5	478.32	529.11	579.90	630.70	681.49	732.28	783.08	833.87	862.20	890.52
60.0	425.49	471.73	517.96	564.20	610.43	656.67	702.90	749.14	782.83	816.52
62.5	375.58	419.43	463.28	507.13	550.98	594.83	638.68	682.53	729.79	777.06
65.0	328.90	367.13	405.36	443.58	481.81	520.04	558.26	596.49	690.26	784.02
67.5	282.33	319.66	356.98	394.30	431.62	468.94	506.26	543.59	620.16	696.73
70.0	243.77	280.99	318.20	355.42	392.63	429.85	467.06	504.28	558.97	613.66
72.5	194.74	228.27	261.81	295.34	328.88	362.41	395.95	429.49	470.18	510.87
75.0	158.63	187.59	216.55	245.50	274.46	303.42	332.37	361.33	403.67	446.01
77.5	134.33	160.48	186.62	212.77	238.91	265.06	291.20	317.35	368.00	418.65
80.0	134.15	168.28	202.42	236.56	270.70	304.83	338.97	373.11	390.35	407.59
82.5	127.13	165.91	204.68	243.45	282.23	321.00	359.78	398.55	418.03	437.51
85.0	126.56	170.57	214.57	258.58	302.58	346.59	390.59	434.60	469.01	503.42
87.5	125.54	170.82	216.11	261.39	306.68	351.96	397.25	442.53	485.05	527.58
90.0	124.28	168.47	212.65	256.84	301.02	345.21	389.39	433.58	481.15	528.73
92.5	117.19	156.62	196.05	235.48	274.90	314.33	353.76	393.19	452.13	511.07
95.0	111.26	147.36	183.45	219.54	255.63	291.73	327.82	363.91	415.33	466.74
97.5	101.45	132.22	162.99	193.76	224.54	255.31	286.08	316.85	367.00	417.15
100.0	98.44	127.27	156.10	184.93	213.76	242.59	271.42	300.25	350.90	401.54
102.5	88.72	112.40	136.07	159.74	183.41	207.09	230.76	254.43	306.78	359.14
105.0	81.65	101.78	121.91	142.04	162.17	182.30	202.43	222.56	265.86	309.16
107.5	76.33	94.31	112.29	130.26	148.24	166.22	184.19	202.17	245.13	288.09
110.0	67.95	82.48	97.01	111.55	126.08	140.61	155.15	169.68	215.06	260.45
112.5	62.43	75.12	87.81	100.51	113.20	125.89	138.58	151.27	193.54	235.81

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

115.0	57.40	68.82	80.24	91.65	103.07	114.49	125.90	137.32	174.70	212.08
117.5	52.15	62.23	72.31	82.39	92.47	102.55	112.63	122.71	156.25	189.79
120.0	46.94	55.77	64.61	73.45	82.29	91.12	99.96	108.80	137.94	167.09
122.5	42.02	49.89	57.77	65.64	73.51	81.39	89.26	97.14	121.93	146.72
125.0	37.06	44.05	51.04	58.02	65.01	72.00	78.99	85.98	105.75	125.53
127.5	32.09	38.21	44.34	50.47	56.60	62.72	68.85	74.98	90.75	106.52
130.0	27.76	33.08	38.40	43.71	49.03	54.35	59.67	64.99	78.10	91.22
132.5	24.34	28.84	33.34	37.84	42.34	46.84	51.34	55.84	67.08	78.32
135.0	21.11	24.89	28.68	32.47	36.26	40.04	43.83	47.62	57.71	67.79
137.5	18.17	21.36	24.54	27.73	30.92	34.10	37.29	40.48	49.31	58.14
140.0	15.56	18.26	20.96	23.65	26.35	29.05	31.74	34.44	41.97	49.50
142.5	13.57	15.86	18.14	20.43	22.72	25.00	27.29	29.58	35.91	42.25
145.0	11.93	13.74	15.55	17.36	19.17	20.98	22.79	24.60	29.90	35.21
147.5	10.47	11.84	13.22	14.60	15.97	17.35	18.72	20.10	24.51	28.93
150.0	8.70	9.61	10.51	11.41	12.31	13.22	14.12	15.02	18.86	22.70
152.5	6.95	7.35	7.75	8.15	8.55	8.94	9.34	9.74	13.07	16.40
155.0	5.89	6.07	6.25	6.44	6.62	6.80	6.98	7.16	9.85	12.53
157.5	4.85	4.95	5.05	5.15	5.25	5.35	5.45	5.55	7.56	9.58
160.0	4.15	4.20	4.25	4.31	4.36	4.41	4.46	4.51	5.89	7.27
162.5	3.77	3.83	3.88	3.93	3.99	4.04	4.09	4.15	4.62	5.10
165.0	3.71	3.74	3.77	3.79	3.82	3.85	3.87	3.90	3.83	3.76
167.5	3.66	3.67	3.67	3.67	3.67	3.68	3.68	3.68	3.63	3.59
170.0	3.83	3.83	3.83	3.84	3.84	3.84	3.84	3.84	3.78	3.71
172.5	3.76	3.78	3.80	3.82	3.84	3.86	3.88	3.90	3.83	3.76
175.0	3.76	3.78	3.80	3.82	3.84	3.86	3.88	3.90	3.84	3.77
177.5	3.76	3.78	3.80	3.82	3.84	3.86	3.88	3.90	3.84	3.79
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

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	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	932.45	937.62	942.79	947.96	953.13	958.30	963.47	965.37	967.28	969.18
5.0	1008.82	1005.27	1001.71	998.16	994.60	991.05	987.49	985.79	984.09	982.39
7.5	983.23	984.27	985.32	986.37	987.42	988.47	989.52	991.48	993.45	995.42
10.0	993.34	995.49	997.64	999.79	1001.94	1004.09	1006.24	1014.08	1021.92	1029.76
12.5	1001.59	1014.64	1027.69	1040.74	1053.79	1066.84	1079.89	1085.12	1090.35	1095.58
15.0	995.52	1010.06	1024.59	1039.13	1053.67	1068.21	1082.75	1089.86	1096.96	1104.07
17.5	996.32	1009.82	1023.32	1036.83	1050.33	1063.83	1077.34	1096.05	1114.76	1133.48
20.0	1030.58	1045.35	1060.13	1074.90	1089.67	1104.45	1119.22	1134.06	1148.89	1163.73
22.5	1079.16	1100.70	1122.24	1143.78	1165.33	1186.87	1208.41	1218.54	1228.67	1238.80
25.0	1050.21	1073.56	1096.92	1120.27	1143.62	1166.97	1190.32	1211.09	1231.86	1252.63
27.5	1035.01	1052.37	1069.74	1087.11	1104.47	1121.84	1139.21	1148.71	1158.22	1167.73
30.0	1053.59	1086.00	1118.42	1150.83	1183.24	1215.66	1248.07	1260.15	1272.24	1284.32
32.5	1053.31	1082.01	1110.72	1139.43	1168.13	1196.84	1225.55	1250.61	1275.67	1300.73
35.0	1013.56	1031.07	1048.58	1066.09	1083.61	1101.12	1118.63	1150.58	1182.54	1214.49
37.5	1047.43	1077.65	1107.87	1138.08	1168.30	1198.51	1228.73	1232.03	1235.33	1238.63
40.0	1069.23	1112.62	1156.00	1199.39	1242.78	1286.17	1329.56	1323.12	1316.68	1310.23
42.5	1015.30	1043.52	1071.75	1099.98	1128.20	1156.43	1184.66	1232.62	1280.58	1328.55
45.0	963.04	984.19	1005.34	1026.49	1047.65	1068.80	1089.95	1180.85	1271.76	1362.66
47.5	927.19	960.09	992.98	1025.88	1058.77	1091.67	1124.56	1181.32	1238.09	1294.85
50.0	959.94	1013.87	1067.80	1121.73	1175.67	1229.60	1283.53	1293.97	1304.42	1314.86
52.5	1038.08	1120.39	1202.70	1285.02	1367.33	1449.64	1531.96	1514.27	1496.59	1478.90
55.0	928.60	967.95	1007.30	1046.65	1086.00	1125.35	1164.70	1201.58	1238.46	1275.34
57.5	918.85	947.17	975.50	1003.83	1032.15	1060.48	1088.80	1172.74	1256.67	1340.60
60.0	850.22	883.91	917.60	951.29	984.99	1018.68	1052.37	1162.07	1271.77	1381.46

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

62.5	824.33	871.59	918.86	966.13	1013.39	1060.66	1107.93	1158.22	1208.51	1258.80
65.0	877.79	971.55	1065.32	1159.08	1252.85	1346.61	1440.38	1438.55	1436.72	1434.89
67.5	773.30	849.87	926.44	1003.01	1079.58	1156.15	1232.72	1263.61	1294.51	1325.40
70.0	668.35	723.04	777.74	832.43	887.12	941.81	996.50	1081.58	1166.66	1251.73
72.5	551.57	592.26	632.95	673.65	714.34	755.03	795.73	926.65	1057.58	1188.51
75.0	488.35	530.69	573.03	615.37	657.71	700.05	742.39	835.86	929.33	1022.81
77.5	469.30	519.95	570.61	621.26	671.91	722.56	773.21	823.70	874.19	924.68
80.0	424.83	442.07	459.30	476.54	493.78	511.02	528.26	555.67	583.08	610.49
82.5	456.99	476.47	495.96	515.44	534.92	554.40	573.88	567.81	561.73	555.66
85.0	537.83	572.24	606.64	641.05	675.46	709.87	744.28	732.15	720.03	707.90
87.5	570.10	612.62	655.15	697.67	740.19	782.72	825.24	854.60	883.97	913.33
90.0	576.30	623.88	671.45	719.03	766.60	814.18	861.75	898.31	934.87	971.43
92.5	570.01	628.95	687.90	746.84	805.78	864.72	923.67	938.73	953.80	968.86
95.0	518.16	569.58	620.99	672.41	723.83	775.24	826.66	855.68	884.69	913.71
97.5	467.30	517.45	567.61	617.76	667.91	718.06	768.21	804.17	840.12	876.08
100.0	452.19	502.84	553.48	604.13	654.78	705.42	756.07	793.10	830.13	867.16
102.5	411.49	463.85	516.20	568.56	620.91	673.27	725.62	743.23	760.84	778.45
105.0	352.47	395.77	439.07	482.37	525.68	568.98	612.28	637.71	663.14	688.57
107.5	331.05	374.01	416.96	459.92	502.88	545.84	588.80	618.29	647.78	677.27
110.0	305.83	351.21	396.60	441.98	487.36	532.75	578.13	601.33	624.54	647.74
112.5	278.08	320.35	362.61	404.88	447.15	489.42	531.69	548.63	565.57	582.52
115.0	249.46	286.84	324.22	361.60	398.98	436.36	473.74	488.86	503.98	519.09
117.5	223.33	256.88	290.42	323.96	357.50	391.05	424.59	437.30	450.00	462.71
120.0	196.23	225.38	254.52	283.67	312.81	341.96	371.10	384.58	398.06	411.54
122.5	171.52	196.31	221.10	245.90	270.69	295.49	320.28	330.49	340.70	350.91
125.0	145.30	165.07	184.85	204.62	224.39	244.17	263.94	267.31	270.68	274.05
127.5	122.29	138.06	153.83	169.60	185.37	201.14	216.91	223.04	229.18	235.31
130.0	104.33	117.45	130.56	143.68	156.79	169.91	183.02	192.17	201.33	210.48
132.5	89.56	100.80	112.04	123.28	134.52	145.76	157.00	165.49	173.99	182.48
135.0	77.88	87.96	98.05	108.13	118.22	128.30	138.39	145.35	152.31	159.26
137.5	66.97	75.80	84.63	93.46	102.29	111.12	119.95	125.67	131.39	137.11
140.0	57.03	64.56	72.08	79.61	87.14	94.67	102.20	107.64	113.08	118.53
142.5	48.59	54.93	61.27	67.61	73.95	80.29	86.63	91.96	97.29	102.62
145.0	40.51	45.82	51.12	56.43	61.73	67.04	72.34	77.28	82.21	87.15
147.5	33.34	37.75	42.16	46.58	50.99	55.40	59.82	64.44	69.06	73.68
150.0	26.54	30.38	34.21	38.05	41.89	45.73	49.57	53.74	57.91	62.08
152.5	19.72	23.05	26.38	29.71	33.03	36.36	39.69	43.40	47.10	50.81
155.0	15.22	17.90	20.59	23.27	25.96	28.64	31.33	34.51	37.69	40.87
157.5	11.59	13.61	15.62	17.64	19.65	21.67	23.68	26.49	29.30	32.11
160.0	8.65	10.03	11.41	12.79	14.17	15.55	16.93	19.14	21.34	23.55
162.5	5.58	6.05	6.53	7.01	7.49	7.96	8.44	10.26	12.07	13.89
165.0	3.69	3.62	3.54	3.47	3.40	3.33	3.26	4.59	5.92	7.25
167.5	3.54	3.49	3.45	3.40	3.35	3.31	3.26	3.22	3.18	3.14
170.0	3.65	3.58	3.52	3.45	3.39	3.32	3.26	3.18	3.11	3.03
172.5	3.69	3.62	3.54	3.47	3.40	3.33	3.26	3.18	3.09	3.01
175.0	3.71	3.64	3.58	3.51	3.45	3.38	3.32	3.24	3.15	3.07
177.5	3.73	3.68	3.62	3.57	3.51	3.46	3.40	3.34	3.28	3.22
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

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	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42	841.42
2.5	971.08	972.99	974.89	976.79	978.70	980.60	980.93	981.26	981.59	981.92
5.0	980.69	979.00	977.30	975.60	973.90	972.20	974.33	976.45	978.58	980.71
7.5	997.38	999.35	1001.32	1003.29	1005.25	1007.22	1010.42	1013.61	1016.81	1020.01

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

10.0	1037.60	1045.45	1053.29	1061.13	1068.97	1076.81	1076.10	1075.39	1074.68	1073.97
12.5	1100.81	1106.04	1111.28	1116.51	1121.74	1126.97	1124.08	1121.18	1118.29	1115.40
15.0	1111.18	1118.28	1125.39	1132.50	1139.60	1146.71	1151.70	1156.69	1161.69	1166.68
17.5	1152.19	1170.90	1189.62	1208.33	1227.05	1245.76	1248.85	1251.95	1255.04	1258.14
20.0	1178.56	1193.40	1208.23	1223.07	1237.90	1252.74	1252.51	1252.28	1252.05	1251.82
22.5	1248.93	1259.05	1269.18	1279.31	1289.44	1299.57	1305.92	1312.27	1318.63	1324.98
25.0	1273.40	1294.18	1314.95	1335.72	1356.49	1377.26	1364.78	1352.31	1339.83	1327.36
27.5	1177.24	1186.75	1196.26	1205.77	1215.28	1224.79	1235.00	1245.22	1255.44	1265.66
30.0	1296.41	1308.49	1320.58	1332.66	1344.75	1356.83	1373.77	1390.71	1407.64	1424.58
32.5	1325.80	1350.86	1375.92	1400.98	1426.05	1451.11	1456.84	1462.58	1468.31	1474.05
35.0	1246.44	1278.40	1310.35	1342.30	1374.26	1406.21	1391.00	1375.79	1360.59	1345.38
37.5	1241.93	1245.22	1248.52	1251.82	1255.12	1258.42	1264.70	1270.98	1277.26	1283.53
40.0	1303.79	1297.35	1290.91	1284.46	1278.02	1271.58	1310.91	1350.24	1389.56	1428.89
42.5	1376.51	1424.47	1472.44	1520.40	1568.36	1616.33	1629.80	1643.27	1656.75	1670.22
45.0	1453.56	1544.47	1635.37	1726.27	1817.18	1908.08	1905.86	1903.64	1901.42	1899.20
47.5	1351.61	1408.37	1465.14	1521.90	1578.66	1635.43	1612.50	1589.58	1566.66	1543.74
50.0	1325.31	1335.75	1346.20	1356.64	1367.09	1377.53	1384.48	1391.43	1398.37	1405.32
52.5	1461.22	1443.53	1425.85	1408.16	1390.48	1372.80	1401.43	1430.07	1458.70	1487.34
55.0	1312.22	1349.09	1385.97	1422.85	1459.73	1496.61	1535.44	1574.26	1613.09	1651.91
57.5	1424.54	1508.47	1592.40	1676.33	1760.27	1844.20	1858.09	1871.98	1885.87	1899.76
60.0	1491.16	1600.86	1710.56	1820.25	1929.95	2039.65	2002.46	1965.27	1928.07	1890.88
62.5	1309.09	1359.39	1409.68	1459.97	1510.26	1560.56	1558.44	1556.32	1554.20	1552.08
65.0	1433.06	1431.24	1429.41	1427.58	1425.75	1423.92	1431.62	1439.31	1447.01	1454.70
67.5	1356.30	1387.19	1418.09	1448.98	1479.88	1510.78	1558.29	1605.81	1653.32	1700.84
70.0	1336.81	1421.89	1506.97	1592.04	1677.12	1762.20	1789.29	1816.38	1843.46	1870.55
72.5	1319.44	1450.37	1581.30	1712.23	1843.16	1974.09	1959.17	1944.26	1929.35	1914.44
75.0	1116.28	1209.75	1303.22	1396.70	1490.17	1583.64	1598.49	1613.34	1628.18	1643.03
77.5	975.16	1025.65	1076.14	1126.63	1177.12	1227.61	1223.73	1219.85	1215.98	1212.10
80.0	637.90	665.31	692.72	720.13	747.54	774.95	780.98	787.01	793.04	799.07
82.5	549.59	543.52	537.44	531.37	525.30	519.23	529.19	539.15	549.11	559.07
85.0	695.78	683.65	671.53	659.40	647.28	635.15	670.41	705.67	740.94	776.20
87.5	942.69	972.06	1001.42	1030.78	1060.15	1089.51	1131.96	1174.40	1216.85	1259.30
90.0	1007.99	1044.55	1081.11	1117.67	1154.23	1190.79	1214.82	1238.85	1262.87	1286.90
92.5	983.93	998.99	1014.06	1029.12	1044.19	1059.25	1091.26	1123.27	1155.28	1187.29
95.0	942.73	971.74	1000.76	1029.78	1058.79	1087.81	1125.62	1163.42	1201.23	1239.04
97.5	912.04	947.99	983.95	1019.91	1055.86	1091.82	1141.67	1191.53	1241.38	1291.24
100.0	904.19	941.21	978.24	1015.27	1052.30	1089.33	1120.39	1151.46	1182.52	1213.59
102.5	796.06	813.68	831.29	848.90	866.51	884.12	909.80	935.48	961.15	986.83
105.0	714.00	739.42	764.85	790.28	815.71	841.14	874.11	907.09	940.06	973.04
107.5	706.76	736.25	765.74	795.23	824.72	854.22	887.06	919.91	952.75	985.60
110.0	670.95	694.15	717.36	740.56	763.77	786.97	815.70	844.43	873.16	901.89
112.5	599.46	616.40	633.34	650.29	667.23	684.17	680.28	676.39	672.49	668.60
115.0	534.21	549.33	564.45	579.56	594.68	609.80	598.22	586.65	575.07	563.50
117.5	475.42	488.13	500.83	513.54	526.25	538.96	545.55	552.15	558.74	565.34
120.0	425.02	438.49	451.97	465.45	478.93	492.41	504.46	516.51	528.56	540.61
122.5	361.12	371.34	381.55	391.76	401.97	412.18	424.98	437.77	450.57	463.36
125.0	277.42	280.78	284.15	287.52	290.89	294.26	300.10	305.93	311.77	317.61
127.5	241.45	247.58	253.71	259.85	265.98	272.12	268.73	265.34	261.95	258.56
130.0	219.63	228.79	237.94	247.09	256.25	265.40	263.03	260.66	258.29	255.92
132.5	190.98	199.48	207.97	216.47	224.96	233.46	238.99	244.52	250.05	255.58
135.0	166.22	173.18	180.14	187.09	194.05	201.01	208.29	215.57	222.86	230.14
137.5	142.83	148.55	154.27	159.99	165.71	171.44	179.89	188.35	196.81	205.27
140.0	123.97	129.41	134.85	140.30	145.74	151.18	158.16	165.13	172.11	179.09
142.5	107.95	113.29	118.62	123.95	129.28	134.62	140.01	145.40	150.80	156.19
145.0	92.08	97.02	101.95	106.89	111.82	116.76	121.39	126.02	130.65	135.28
147.5	78.30	82.92	87.54	92.16	96.78	101.40	105.19	108.99	112.78	116.57

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

150.0	66.25	70.41	74.58	78.75	82.92	87.09	90.08	93.08	96.07	99.06
152.5	54.51	58.22	61.92	65.63	69.33	73.04	75.35	77.66	79.97	82.28
155.0	44.05	47.23	50.41	53.59	56.77	59.95	61.72	63.49	65.26	67.03
157.5	34.92	37.73	40.54	43.35	46.16	48.97	50.28	51.59	52.90	54.20
160.0	25.76	27.96	30.17	32.38	34.58	36.79	37.85	38.92	39.98	41.04
162.5	15.70	17.52	19.33	21.15	22.96	24.78	25.60	26.42	27.24	28.06
165.0	8.58	9.92	11.25	12.58	13.91	15.24	15.70	16.16	16.61	17.07
167.5	3.10	3.06	3.02	2.98	2.94	2.90	3.27	3.65	4.03	4.41
170.0	2.95	2.88	2.80	2.72	2.65	2.57	2.55	2.54	2.52	2.50
172.5	2.93	2.84	2.76	2.68	2.59	2.51	2.50	2.49	2.48	2.47
175.0	2.99	2.90	2.82	2.74	2.65	2.57	2.57	2.57	2.57	2.57
177.5	3.15	3.09	3.03	2.97	2.91	2.85	2.83	2.82	2.81	2.79
180.0	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

Vert. Angles **Horizontal Angles**

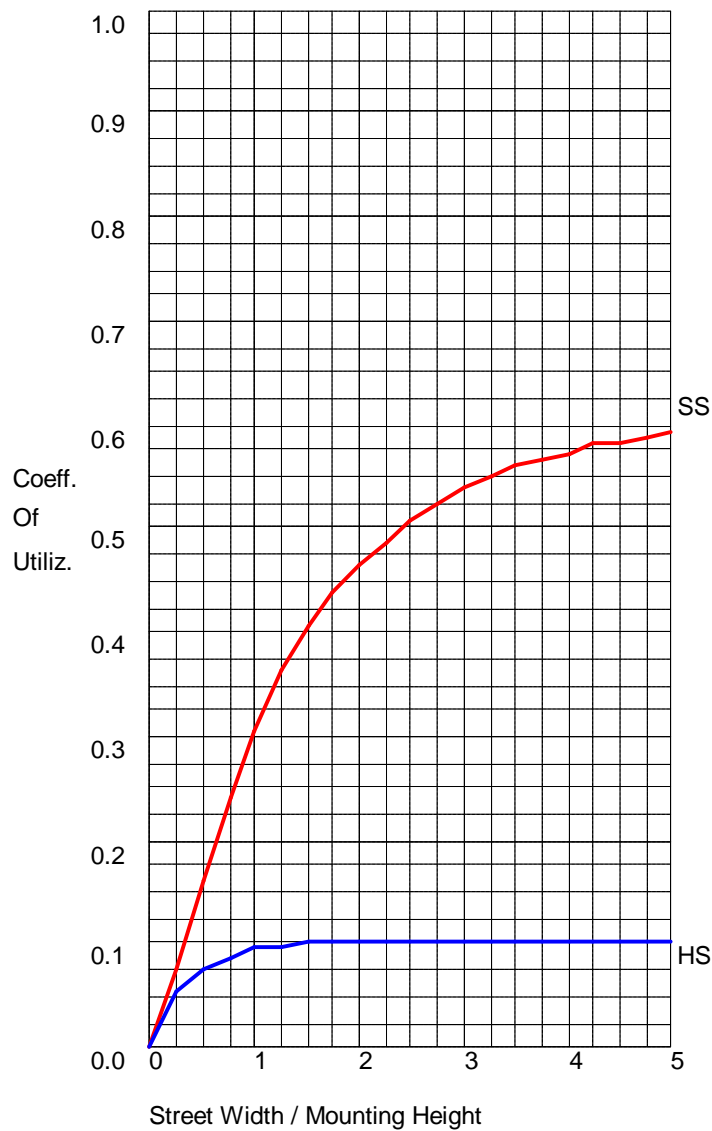
	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	841.42	841.42	841.42	841.42	841.42
2.5	982.25	982.58	982.91	983.24	983.58
5.0	982.83	984.96	987.09	989.21	991.34
7.5	1023.21	1026.40	1029.60	1032.80	1036.00
10.0	1073.26	1072.55	1071.84	1071.13	1070.42
12.5	1112.50	1109.61	1106.72	1103.82	1100.93
15.0	1171.67	1176.66	1181.66	1186.65	1191.64
17.5	1261.23	1264.33	1267.42	1270.52	1273.61
20.0	1251.58	1251.35	1251.12	1250.89	1250.66
22.5	1331.33	1337.68	1344.03	1350.38	1356.74
25.0	1314.88	1302.41	1289.93	1277.46	1264.98
27.5	1275.88	1286.10	1296.32	1306.54	1316.76
30.0	1441.52	1458.46	1475.39	1492.33	1509.27
32.5	1479.78	1485.52	1491.25	1496.99	1502.72
35.0	1330.17	1314.96	1299.76	1284.55	1269.34
37.5	1289.81	1296.09	1302.37	1308.65	1314.93
40.0	1468.22	1507.55	1546.87	1586.20	1625.53
42.5	1683.69	1697.17	1710.64	1724.12	1737.59
45.0	1896.99	1894.77	1892.55	1890.33	1888.11
47.5	1520.82	1497.90	1474.97	1452.05	1429.13
50.0	1412.27	1419.22	1426.16	1433.11	1440.06
52.5	1515.98	1544.61	1573.25	1601.88	1630.52
55.0	1690.74	1729.56	1768.39	1807.21	1846.04
57.5	1913.64	1927.53	1941.42	1955.31	1969.20
60.0	1853.69	1816.50	1779.30	1742.11	1704.92
62.5	1549.96	1547.84	1545.72	1543.60	1541.48
65.0	1462.40	1470.09	1477.79	1485.48	1493.18
67.5	1748.35	1795.87	1843.38	1890.90	1938.42
70.0	1897.64	1924.73	1951.81	1978.90	2005.99
72.5	1899.53	1884.62	1869.70	1854.79	1839.88
75.0	1657.88	1672.73	1687.57	1702.42	1717.27
77.5	1208.22	1204.35	1200.47	1196.60	1192.72
80.0	805.09	811.12	817.15	823.18	829.21
82.5	569.03	578.99	588.95	598.91	608.87
85.0	811.46	846.72	881.99	917.25	952.51
87.5	1301.74	1344.19	1386.64	1429.08	1471.53
90.0	1310.93	1334.96	1358.98	1383.01	1407.04
92.5	1219.30	1251.31	1283.32	1315.33	1347.35
95.0	1276.84	1314.65	1352.46	1390.26	1428.07

IES ROAD REPORT
PHOTOMETRIC FILENAME : SWPM-WB-LED-PL1-40.IES

CANDELA TABULATION - (Cont.)

97.5	1341.09	1390.95	1440.80	1490.66	1540.51
100.0	1244.65	1275.72	1306.78	1337.85	1368.91
102.5	1012.51	1038.19	1063.86	1089.54	1115.22
105.0	1006.01	1038.99	1071.96	1104.94	1137.91
107.5	1018.44	1051.29	1084.13	1116.98	1149.83
110.0	930.63	959.36	988.09	1016.82	1045.55
112.5	664.71	660.82	656.92	653.03	649.14
115.0	551.92	540.35	528.77	517.20	505.62
117.5	571.94	578.53	585.13	591.72	598.32
120.0	552.67	564.72	576.77	588.82	600.87
122.5	476.16	488.95	501.75	514.54	527.34
125.0	323.44	329.28	335.12	340.95	346.79
127.5	255.17	251.79	248.40	245.01	241.62
130.0	253.56	251.19	248.82	246.45	244.08
132.5	261.12	266.65	272.18	277.71	283.24
135.0	237.42	244.70	251.99	259.27	266.55
137.5	213.73	222.19	230.65	239.11	247.57
140.0	186.06	193.04	200.02	206.99	213.97
142.5	161.58	166.98	172.37	177.76	183.16
145.0	139.92	144.55	149.18	153.81	158.44
147.5	120.37	124.16	127.95	131.75	135.54
150.0	102.06	105.05	108.04	111.04	114.03
152.5	84.59	86.91	89.22	91.53	93.84
155.0	68.80	70.57	72.34	74.11	75.88
157.5	55.51	56.82	58.13	59.44	60.75
160.0	42.11	43.17	44.23	45.30	46.36
162.5	28.88	29.70	30.52	31.34	32.16
165.0	17.53	17.99	18.44	18.90	19.36
167.5	4.78	5.16	5.54	5.92	6.30
170.0	2.49	2.47	2.45	2.44	2.42
172.5	2.46	2.45	2.44	2.43	2.42
175.0	2.58	2.58	2.58	2.58	2.58
177.5	2.78	2.77	2.75	2.74	2.73
180.0	3.00	3.00	3.00	3.00	3.00

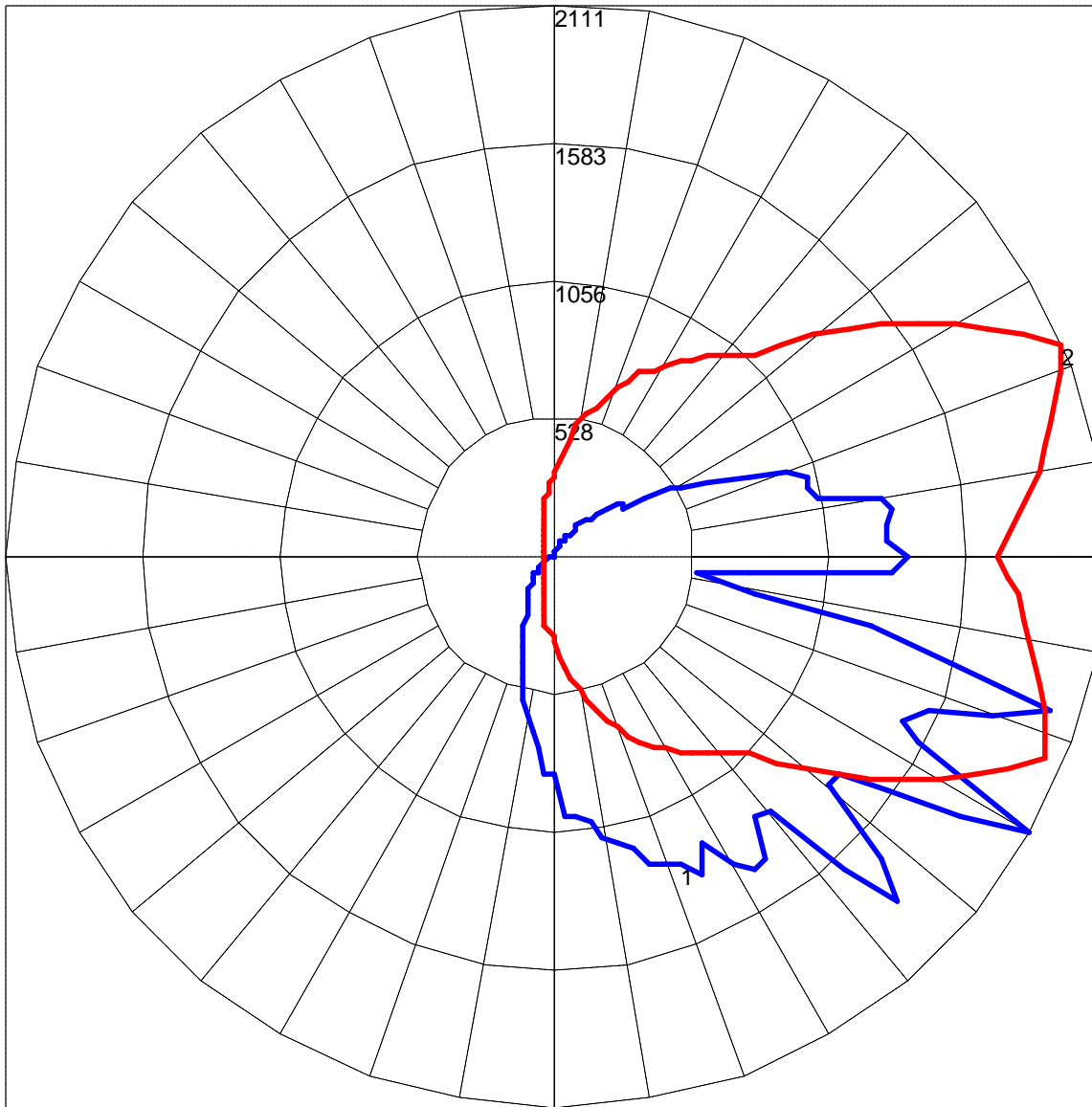
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

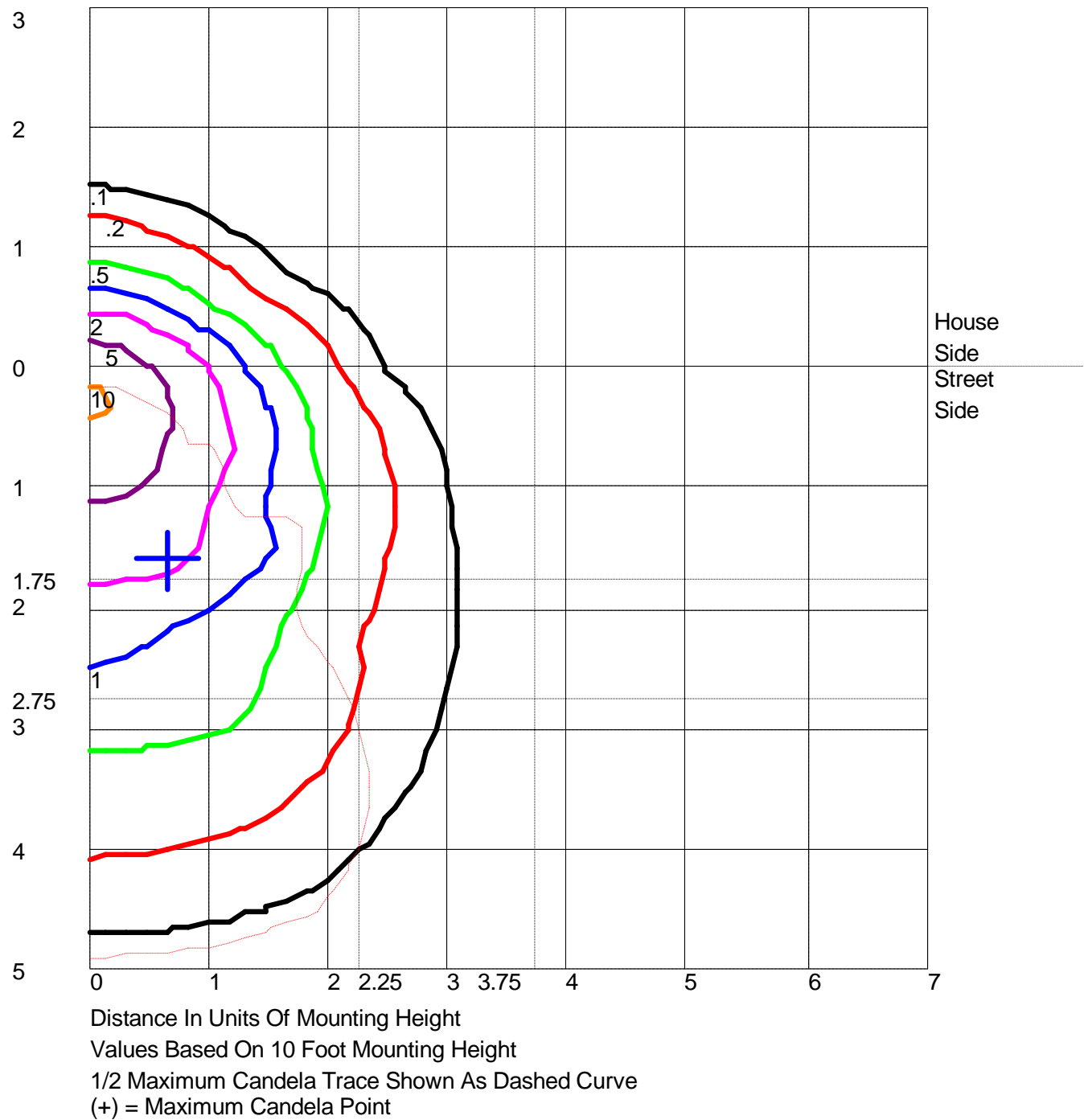
	Lumens	Percent Of Luminaire
Downward Street Side	3163.2	65.4
Downward House Side	506.7	10.5
Downward Total	3669.9	75.9
Upward Street Side	1135.2	23.5
Upward House Side	32.1	0.7
Upward Total	1167.3	24.1
Total Flux	4837.2	100.0

POLAR GRAPH

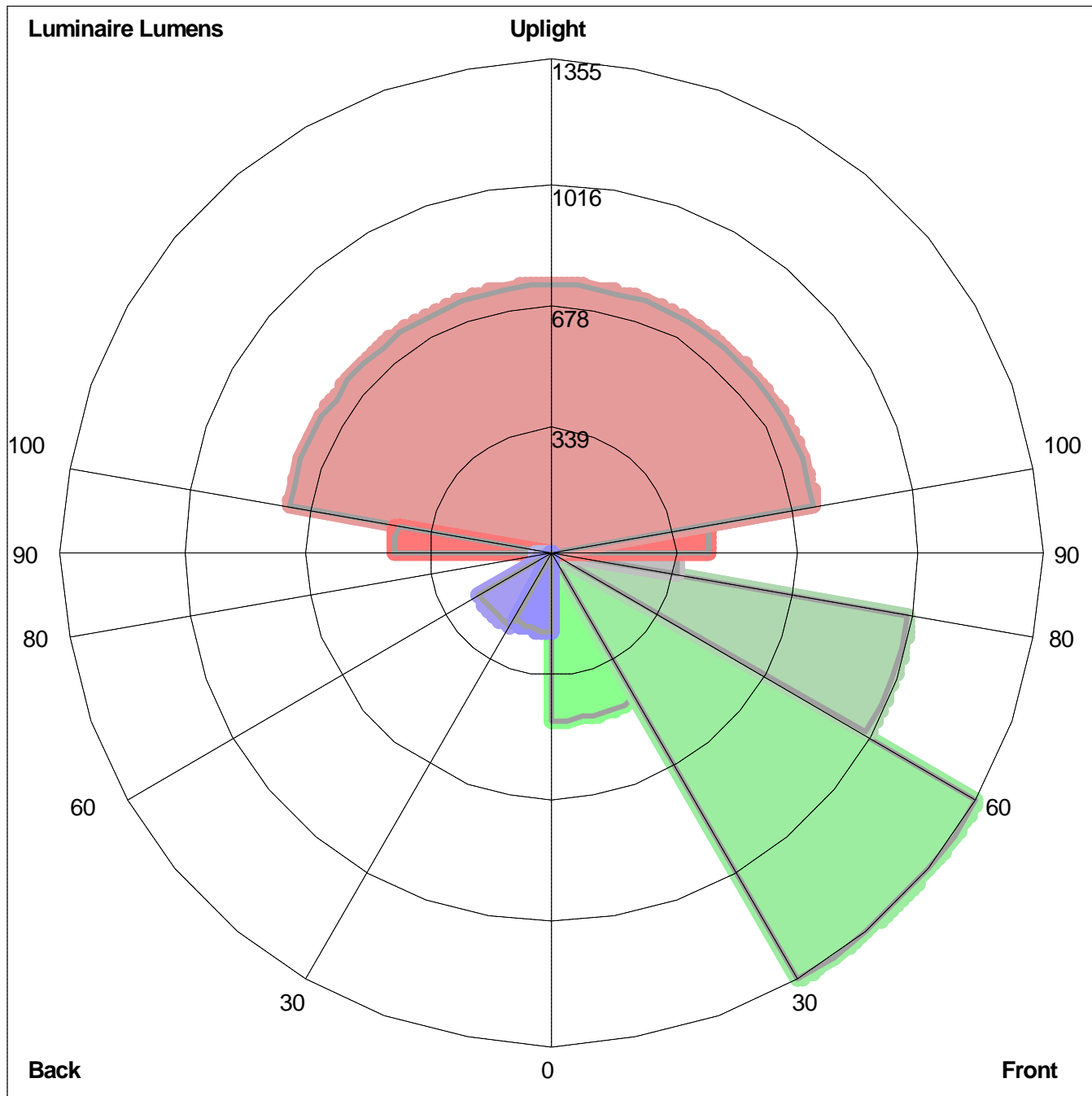


Maximum Candela = 2111.15 Located At Horizontal Angle = 22.5, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=460.3, Medium=1355.1, High=1002.1, Very High=345.7
Back: Low=216.9, Medium=231.0, High=50.1, Very High=8.8
Uplight: Low=433.9, High=733.4

BUG Rating : B1-U4-G3