



## IES ROAD REPORT

PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]DCL-150-90-035W-40K-8-3PC  
[TESTLAB]LSI INDUSTRIES, INC  
[TESTDATE]2015-08-29  
[ISSUE DATE]2016-05-09  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT]SFCM-WB-LED-PL-40  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[\_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED  
[\_SEARCH\_SOURCETYPE] LED  
[\_SEARCH\_APPLICATION] Outdoor

### CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3556
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	33.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1418.56
Maximum Candela Angle	360H 7.5V
Maximum Candela (<90 Degrees Vertical)	1418.56
Maximum Candela Angle (<90 Degrees Vertical)	360H 7.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	63.97 (1.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	565.3	N.A.	15.9
FM - Front-Medium (30-60)	1099.9	N.A.	30.9
FH - Front-High (60-80)	259.9	N.A.	7.3
FVH - Front-Very High (80-90)	9.2	N.A.	0.3
BL - Back-Low (0-30)	533.9	N.A.	15.0
BM - Back-Medium (30-60)	911.1	N.A.	25.6
BH - Back-High (60-80)	165.8	N.A.	4.7
BVH - Back-Very High (80-90)	6.3	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	4.5	N.A.	0.1
Total	3555.9	N.A.	100.0
BUG Rating	B2-U1-G1		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>0.0</b>	<b>2.5</b>	<b>5.0</b>	<b>7.5</b>	<b>10.0</b>	<b>12.5</b>	<b>15.0</b>	<b>17.5</b>	<b>20.0</b>	<b>22.5</b>
<b>0.0</b>	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
<b>2.5</b>	1413.39	1413.14	1412.90	1412.65	1412.41	1412.16	1411.92	1411.67	1411.43	1411.19
<b>5.0</b>	1414.94	1414.02	1413.11	1412.19	1411.27	1410.36	1409.44	1408.52	1407.61	1406.69
<b>7.5</b>	1418.56	1417.31	1416.06	1414.82	1413.57	1412.33	1411.08	1409.84	1408.59	1407.35
<b>10.0</b>	1417.43	1416.15	1414.87	1413.59	1412.31	1411.04	1409.76	1408.48	1407.20	1405.92
<b>12.5</b>	1413.13	1412.02	1410.91	1409.81	1408.70	1407.59	1406.48	1405.38	1404.27	1403.16
<b>15.0</b>	1404.64	1403.73	1402.83	1401.92	1401.01	1400.11	1399.20	1398.29	1397.39	1396.48
<b>17.5</b>	1389.14	1388.39	1387.65	1386.91	1386.17	1385.43	1384.69	1383.94	1383.20	1382.46
<b>20.0</b>	1371.44	1371.46	1371.48	1371.51	1371.53	1371.55	1371.57	1371.60	1371.62	1371.64
<b>22.5</b>	1357.74	1357.30	1356.86	1356.42	1355.98	1355.55	1355.11	1354.67	1354.23	1353.79
<b>25.0</b>	1342.92	1341.68	1340.44	1339.21	1337.97	1336.73	1335.49	1334.26	1333.02	1331.78
<b>27.5</b>	1317.98	1317.60	1317.23	1316.85	1316.48	1316.10	1315.72	1315.35	1314.97	1314.60
<b>30.0</b>	1287.16	1287.13	1287.10	1287.07	1287.04	1287.00	1286.97	1286.94	1286.91	1286.88
<b>32.5</b>	1261.16	1261.05	1260.94	1260.84	1260.73	1260.62	1260.52	1260.41	1260.30	1260.20
<b>35.0</b>	1232.86	1232.34	1231.82	1231.30	1230.78	1230.26	1229.74	1229.22	1228.70	1228.18
<b>37.5</b>	1202.22	1201.61	1201.01	1200.40	1199.80	1199.20	1198.59	1197.99	1197.38	1196.78
<b>40.0</b>	1167.35	1166.23	1165.11	1164.00	1162.88	1161.76	1160.64	1159.53	1158.41	1157.29
<b>42.5</b>	1126.10	1124.46	1122.83	1121.20	1119.56	1117.93	1116.30	1114.67	1113.03	1111.40
<b>45.0</b>	1082.47	1080.78	1079.09	1077.40	1075.71	1074.02	1072.33	1070.64	1068.95	1067.26
<b>47.5</b>	1024.23	1024.04	1023.85	1023.66	1023.47	1023.28	1023.09	1022.90	1022.71	1022.52
<b>50.0</b>	954.39	954.83	955.28	955.72	956.16	956.61	957.05	957.49	957.94	958.38
<b>52.5</b>	867.82	869.42	871.02	872.62	874.22	875.81	877.41	879.01	880.61	882.21
<b>55.0</b>	774.90	777.09	779.29	781.48	783.68	785.87	788.07	790.26	792.46	794.65
<b>57.5</b>	671.98	673.91	675.84	677.77	679.70	681.63	683.56	685.49	687.42	689.35
<b>60.0</b>	576.23	576.48	576.74	576.99	577.24	577.50	577.75	578.00	578.26	578.51
<b>62.5</b>	478.88	478.58	478.29	477.99	477.70	477.41	477.11	476.82	476.52	476.23
<b>65.0</b>	389.54	389.47	389.40	389.33	389.26	389.18	389.11	389.04	388.97	388.90
<b>67.5</b>	305.36	305.56	305.77	305.98	306.19	306.40	306.61	306.81	307.02	307.23
<b>70.0</b>	229.86	230.17	230.48	230.80	231.11	231.42	231.73	232.05	232.36	232.67
<b>72.5</b>	165.76	166.17	166.58	167.00	167.41	167.82	168.23	168.65	169.06	169.47
<b>75.0</b>	113.25	113.81	114.37	114.94	115.50	116.06	116.62	117.19	117.75	118.31
<b>77.5</b>	72.62	73.17	73.72	74.28	74.83	75.38	75.94	76.49	77.05	77.60
<b>80.0</b>	40.12	40.63	41.14	41.65	42.16	42.66	43.17	43.68	44.19	44.70
<b>82.5</b>	17.23	17.64	18.05	18.46	18.88	19.29	19.70	20.11	20.53	20.94
<b>85.0</b>	3.69	3.92	4.16	4.39	4.62	4.86	5.09	5.32	5.56	5.79
<b>87.5</b>	0.28	0.30	0.31	0.33	0.34	0.36	0.37	0.39	0.40	0.42
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>92.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>97.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>102.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>107.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>110.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>112.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>115.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>117.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>122.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>125.0</b>	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.20	0.21	0.22
<b>127.5</b>	0.31	0.32	0.33	0.34	0.35	0.37	0.38	0.39	0.40	0.42
<b>130.0</b>	0.45	0.46	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.50

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

132.5	0.45	0.47	0.49	0.51	0.53	0.56	0.58	0.60	0.62	0.64
135.0	0.56	0.58	0.60	0.61	0.63	0.65	0.67	0.68	0.70	0.72
137.5	0.62	0.64	0.67	0.70	0.73	0.75	0.78	0.81	0.84	0.87
140.0	0.72	0.75	0.77	0.80	0.82	0.85	0.87	0.90	0.92	0.95
142.5	0.89	0.92	0.96	0.99	1.03	1.06	1.09	1.13	1.16	1.20
145.0	1.00	1.03	1.06	1.09	1.12	1.16	1.19	1.22	1.25	1.28
147.5	1.29	1.29	1.29	1.29	1.30	1.30	1.30	1.30	1.31	1.31
150.0	1.28	1.29	1.30	1.32	1.33	1.34	1.35	1.37	1.38	1.39
152.5	1.43	1.43	1.43	1.43	1.44	1.44	1.44	1.44	1.45	1.45
155.0	1.51	1.52	1.53	1.54	1.55	1.57	1.58	1.59	1.60	1.61
157.5	1.51	1.52	1.53	1.54	1.54	1.55	1.56	1.57	1.58	1.59
160.0	1.51	1.54	1.57	1.60	1.63	1.66	1.69	1.72	1.75	1.78
162.5	1.57	1.60	1.63	1.66	1.69	1.72	1.75	1.78	1.81	1.84
165.0	1.79	1.82	1.85	1.88	1.91	1.93	1.96	1.99	2.02	2.05
167.5	1.85	1.88	1.91	1.95	1.98	2.01	2.05	2.08	2.11	2.15
170.0	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28
172.5	2.54	2.52	2.50	2.47	2.45	2.43	2.41	2.38	2.36	2.34
175.0	2.62	2.60	2.58	2.56	2.54	2.53	2.51	2.49	2.47	2.45
177.5	2.62	2.60	2.58	2.56	2.54	2.53	2.51	2.49	2.47	2.45
180.0	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

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	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
2.5	1410.93	1410.67	1410.42	1410.16	1409.91	1409.65	1409.40	1409.14	1408.89	1408.83
5.0	1406.45	1406.22	1405.98	1405.74	1405.51	1405.27	1405.03	1404.80	1404.56	1404.42
7.5	1406.50	1405.65	1404.80	1403.95	1403.10	1402.25	1401.40	1400.55	1399.70	1399.60
10.0	1405.08	1404.25	1403.41	1402.57	1401.74	1400.90	1400.06	1399.23	1398.39	1397.98
12.5	1402.27	1401.39	1400.50	1399.62	1398.73	1397.84	1396.96	1396.07	1395.19	1394.57
15.0	1395.65	1394.81	1393.98	1393.15	1392.31	1391.48	1390.65	1389.81	1388.98	1387.99
17.5	1381.91	1381.35	1380.80	1380.25	1379.70	1379.14	1378.59	1378.04	1377.49	1375.68
20.0	1370.88	1370.13	1369.37	1368.62	1367.86	1367.11	1366.35	1365.60	1364.84	1362.36
22.5	1352.82	1351.85	1350.88	1349.91	1348.94	1347.97	1347.00	1346.03	1345.06	1342.49
25.0	1330.53	1329.28	1328.03	1326.78	1325.54	1324.29	1323.04	1321.79	1320.54	1318.19
27.5	1313.10	1311.60	1310.10	1308.60	1307.11	1305.61	1304.11	1302.61	1301.12	1298.50
30.0	1285.38	1283.88	1282.38	1280.88	1279.37	1277.87	1276.37	1274.87	1273.37	1270.95
32.5	1257.98	1255.76	1253.55	1251.33	1249.12	1246.90	1244.69	1242.47	1240.26	1237.67
35.0	1225.29	1222.41	1219.52	1216.63	1213.75	1210.86	1207.97	1205.09	1202.20	1199.38
37.5	1193.33	1189.88	1186.43	1182.98	1179.53	1176.08	1172.63	1169.18	1165.74	1162.75
40.0	1153.82	1150.35	1146.88	1143.41	1139.93	1136.46	1132.99	1129.52	1126.05	1122.01
42.5	1108.52	1105.64	1102.77	1099.89	1097.01	1094.13	1091.26	1088.38	1085.50	1080.53
45.0	1063.85	1060.43	1057.02	1053.60	1050.19	1046.77	1043.36	1039.94	1036.53	1031.20
47.5	1018.29	1014.06	1009.84	1005.61	1001.38	997.16	992.93	988.71	984.48	978.27
50.0	954.34	950.29	946.25	942.20	938.16	934.11	930.07	926.02	921.98	915.29
52.5	878.96	875.71	872.47	869.22	865.97	862.72	859.48	856.23	852.98	846.81
55.0	792.55	790.45	788.35	786.25	784.16	782.06	779.96	777.86	775.76	769.91
57.5	689.25	689.15	689.05	688.95	688.85	688.75	688.65	688.55	688.45	682.69
60.0	580.04	581.57	583.10	584.63	586.17	587.70	589.23	590.76	592.29	587.22
62.5	477.34	478.45	479.56	480.67	481.78	482.89	484.00	485.11	486.22	483.60
65.0	389.19	389.49	389.78	390.07	390.37	390.66	390.95	391.25	391.54	390.73
67.5	307.36	307.49	307.62	307.75	307.88	308.01	308.14	308.27	308.40	308.63
70.0	232.98	233.29	233.60	233.91	234.22	234.53	234.84	235.15	235.46	236.33
72.5	170.16	170.86	171.55	172.24	172.93	173.63	174.32	175.01	175.71	176.86
75.0	119.25	120.18	121.12	122.05	122.99	123.92	124.86	125.79	126.73	127.91
77.5	78.78	79.95	81.13	82.31	83.49	84.66	85.84	87.02	88.20	89.21

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

80.0	45.90	47.10	48.30	49.50	50.70	51.90	53.10	54.30	55.50	56.44
82.5	22.04	23.13	24.23	25.33	26.43	27.52	28.62	29.72	30.82	31.78
85.0	6.58	7.37	8.17	8.96	9.75	10.54	11.34	12.13	12.92	13.79
87.5	0.52	0.62	0.73	0.83	0.93	1.03	1.13	1.23	1.34	1.84
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
125.0	0.20	0.17	0.15	0.12	0.10	0.07	0.05	0.02	0.00	0.07
127.5	0.38	0.35	0.32	0.29	0.26	0.23	0.20	0.17	0.14	0.19
130.0	0.48	0.46	0.44	0.42	0.41	0.39	0.37	0.35	0.33	0.37
132.5	0.61	0.58	0.56	0.53	0.50	0.47	0.45	0.42	0.39	0.43
135.0	0.69	0.66	0.63	0.60	0.57	0.54	0.51	0.48	0.45	0.49
137.5	0.83	0.79	0.75	0.71	0.68	0.64	0.60	0.56	0.53	0.57
140.0	0.91	0.87	0.84	0.80	0.76	0.72	0.69	0.65	0.61	0.68
142.5	1.13	1.07	1.00	0.94	0.87	0.81	0.74	0.68	0.62	0.70
145.0	1.22	1.16	1.09	1.03	0.97	0.91	0.84	0.78	0.72	0.79
147.5	1.30	1.28	1.27	1.26	1.24	1.23	1.22	1.20	1.19	1.22
150.0	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
152.5	1.46	1.46	1.47	1.47	1.48	1.48	1.49	1.49	1.50	1.49
155.0	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.60
157.5	1.60	1.61	1.62	1.63	1.65	1.66	1.67	1.68	1.70	1.68
160.0	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.76
162.5	1.84	1.84	1.84	1.84	1.83	1.83	1.83	1.83	1.83	1.81
165.0	2.04	2.03	2.02	2.01	1.99	1.98	1.97	1.96	1.95	1.91
167.5	2.15	2.16	2.17	2.18	2.19	2.20	2.20	2.21	2.22	2.15
170.0	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.22
172.5	2.36	2.38	2.40	2.41	2.43	2.45	2.47	2.49	2.51	2.45
175.0	2.47	2.50	2.52	2.55	2.57	2.60	2.62	2.65	2.67	2.61
177.5	2.47	2.49	2.50	2.52	2.54	2.56	2.57	2.59	2.61	2.57
180.0	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

**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	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
2.5	1408.77	1408.71	1408.65	1408.60	1408.54	1408.48	1408.42	1408.37	1408.30	1408.24
5.0	1404.29	1404.15	1404.02	1403.88	1403.75	1403.61	1403.48	1403.34	1403.04	1402.73
7.5	1399.51	1399.41	1399.31	1399.21	1399.12	1399.02	1398.92	1398.83	1398.13	1397.44
10.0	1397.57	1397.17	1396.76	1396.35	1395.94	1395.54	1395.13	1394.72	1393.37	1392.02
12.5	1393.96	1393.34	1392.73	1392.12	1391.50	1390.89	1390.27	1389.66	1387.54	1385.42
15.0	1387.00	1386.02	1385.03	1384.04	1383.05	1382.07	1381.08	1380.09	1377.53	1374.98
17.5	1373.87	1372.07	1370.26	1368.45	1366.65	1364.84	1363.04	1361.23	1359.31	1357.38
20.0	1359.87	1357.39	1354.91	1352.42	1349.94	1347.46	1344.97	1342.49	1340.77	1339.04
22.5	1339.93	1337.37	1334.81	1332.25	1329.69	1327.13	1324.57	1322.01	1320.77	1319.54
25.0	1315.84	1313.50	1311.15	1308.80	1306.45	1304.11	1301.76	1299.41	1297.86	1296.31

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

27.5	1295.89	1293.27	1290.66	1288.04	1285.43	1282.81	1280.20	1277.58	1274.69	1271.80
30.0	1268.53	1266.11	1263.69	1261.27	1258.85	1256.43	1254.01	1251.59	1247.80	1244.01
32.5	1235.08	1232.49	1229.90	1227.31	1224.72	1222.13	1219.54	1216.96	1212.98	1209.00
35.0	1196.56	1193.74	1190.92	1188.09	1185.27	1182.45	1179.63	1176.81	1172.55	1168.29
37.5	1159.76	1156.78	1153.79	1150.80	1147.82	1144.83	1141.84	1138.86	1133.77	1128.69
40.0	1117.98	1113.94	1109.90	1105.87	1101.83	1097.79	1093.76	1089.72	1084.88	1080.04
42.5	1075.56	1070.59	1065.62	1060.64	1055.67	1050.70	1045.73	1040.76	1034.66	1028.57
45.0	1025.87	1020.54	1015.21	1009.87	1004.54	999.21	993.88	988.55	981.93	975.30
47.5	972.05	965.84	959.62	953.41	947.19	940.98	934.76	928.55	921.89	915.24
50.0	908.60	901.92	895.23	888.54	881.85	875.17	868.48	861.79	855.18	848.58
52.5	840.63	834.46	828.29	822.11	815.94	809.77	803.59	797.42	790.27	783.11
55.0	764.06	758.21	752.36	746.52	740.67	734.82	728.97	723.12	716.26	709.41
57.5	676.93	671.17	665.41	659.65	653.89	648.13	642.37	636.60	629.91	623.21
60.0	582.14	577.07	571.99	566.92	561.84	556.77	551.69	546.62	540.60	534.58
62.5	480.98	478.37	475.75	473.13	470.51	467.90	465.28	462.66	457.31	451.97
65.0	389.92	389.11	388.30	387.49	386.68	385.87	385.06	384.25	379.54	374.83
67.5	308.86	309.09	309.32	309.55	309.79	310.02	310.25	310.48	306.59	302.69
70.0	237.21	238.08	238.95	239.83	240.70	241.57	242.45	243.32	240.37	237.41
72.5	178.02	179.18	180.34	181.50	182.66	183.82	184.98	186.14	183.92	181.69
75.0	129.10	130.28	131.46	132.65	133.83	135.01	136.20	137.38	135.71	134.04
77.5	90.22	91.23	92.24	93.25	94.27	95.28	96.29	97.30	96.09	94.89
80.0	57.38	58.32	59.26	60.21	61.15	62.09	63.03	63.97	63.25	62.52
82.5	32.74	33.70	34.66	35.62	36.58	37.54	38.50	39.46	39.10	38.75
85.0	14.65	15.52	16.39	17.25	18.12	18.99	19.85	20.72	20.63	20.53
87.5	2.34	2.84	3.35	3.85	4.35	4.85	5.36	5.86	5.81	5.76
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.03	0.05	0.06	0.08	0.09	0.11	0.12	0.14	0.18	0.23
110.0	0.11	0.17	0.22	0.28	0.33	0.39	0.44	0.50	0.55	0.60
112.5	0.13	0.20	0.26	0.33	0.39	0.46	0.52	0.59	0.62	0.65
115.0	0.14	0.20	0.27	0.34	0.41	0.47	0.54	0.61	0.63	0.65
117.5	0.14	0.20	0.27	0.34	0.41	0.47	0.54	0.61	0.62	0.63
120.0	0.14	0.20	0.27	0.34	0.41	0.47	0.54	0.61	0.62	0.63
122.5	0.14	0.20	0.27	0.34	0.41	0.47	0.54	0.61	0.63	0.65
125.0	0.14	0.20	0.27	0.34	0.41	0.47	0.54	0.61	0.65	0.68
127.5	0.24	0.30	0.35	0.40	0.45	0.51	0.56	0.61	0.65	0.70
130.0	0.42	0.46	0.50	0.55	0.59	0.63	0.68	0.72	0.77	0.82
132.5	0.48	0.52	0.56	0.61	0.65	0.69	0.74	0.78	0.85	0.92
135.0	0.53	0.58	0.62	0.66	0.70	0.75	0.79	0.83	0.91	0.99
137.5	0.62	0.67	0.72	0.77	0.82	0.87	0.92	0.97	1.04	1.12
140.0	0.75	0.81	0.88	0.95	1.02	1.08	1.15	1.22	1.27	1.33
142.5	0.79	0.87	0.96	1.04	1.13	1.21	1.30	1.39	1.43	1.48
145.0	0.87	0.94	1.02	1.09	1.17	1.24	1.32	1.39	1.44	1.50
147.5	1.24	1.27	1.29	1.32	1.34	1.37	1.39	1.42	1.49	1.56
150.0	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.48	1.56
152.5	1.48	1.47	1.46	1.45	1.44	1.43	1.42	1.42	1.50	1.59
155.0	1.59	1.57	1.56	1.55	1.54	1.52	1.51	1.50	1.58	1.66
157.5	1.66	1.65	1.63	1.61	1.60	1.58	1.57	1.55	1.61	1.67
160.0	1.74	1.72	1.70	1.69	1.67	1.65	1.63	1.61	1.66	1.72
162.5	1.78	1.76	1.73	1.71	1.68	1.66	1.63	1.61	1.68	1.76
165.0	1.87	1.84	1.80	1.76	1.72	1.69	1.65	1.61	1.71	1.81

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.5</b>	2.08	2.02	1.95	1.88	1.81	1.75	1.68	1.61	1.71	1.82
<b>170.0</b>	2.16	2.09	2.03	1.97	1.91	1.84	1.78	1.72	1.82	1.92
<b>172.5</b>	2.39	2.33	2.27	2.21	2.15	2.09	2.03	1.97	2.05	2.13
<b>175.0</b>	2.56	2.50	2.45	2.39	2.34	2.28	2.23	2.17	2.23	2.29
<b>177.5</b>	2.52	2.48	2.44	2.39	2.35	2.31	2.26	2.22	2.26	2.30
<b>180.0</b>	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

**Vert. Angles**      **Horizontal Angles**

	<b>75.0</b>	<b>77.5</b>	<b>80.0</b>	<b>82.5</b>	<b>85.0</b>	<b>87.5</b>	<b>90.0</b>	<b>92.5</b>	<b>95.0</b>	<b>97.5</b>
<b>0.0</b>	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
<b>2.5</b>	1408.18	1408.12	1408.05	1407.99	1407.93	1407.87	1407.81	1407.50	1407.19	1406.89
<b>5.0</b>	1402.43	1402.13	1401.82	1401.52	1401.22	1400.91	1400.61	1400.32	1400.03	1399.75
<b>7.5</b>	1396.75	1396.05	1395.36	1394.67	1393.97	1393.28	1392.59	1391.42	1390.26	1389.09
<b>10.0</b>	1390.67	1389.32	1387.98	1386.63	1385.28	1383.93	1382.58	1380.85	1379.11	1377.38
<b>12.5</b>	1383.30	1381.18	1379.05	1376.93	1374.81	1372.69	1370.57	1368.39	1366.20	1364.02
<b>15.0</b>	1372.42	1369.86	1367.31	1364.75	1362.19	1359.64	1357.08	1353.67	1350.26	1346.86
<b>17.5</b>	1355.46	1353.54	1351.61	1349.69	1347.77	1345.84	1343.92	1339.76	1335.60	1331.45
<b>20.0</b>	1337.32	1335.60	1333.87	1332.15	1330.43	1328.70	1326.98	1322.78	1318.59	1314.39
<b>22.5</b>	1318.30	1317.07	1315.83	1314.60	1313.36	1312.13	1310.89	1306.27	1301.65	1297.02
<b>25.0</b>	1294.75	1293.20	1291.65	1290.10	1288.54	1286.99	1285.44	1279.79	1274.13	1268.48
<b>27.5</b>	1268.92	1266.03	1263.14	1260.25	1257.37	1254.48	1251.59	1245.63	1239.67	1233.71
<b>30.0</b>	1240.22	1236.43	1232.64	1228.85	1225.06	1221.27	1217.48	1212.00	1206.52	1201.03
<b>32.5</b>	1205.02	1201.05	1197.07	1193.09	1189.11	1185.14	1181.16	1175.66	1170.15	1164.65
<b>35.0</b>	1164.03	1159.77	1155.50	1151.24	1146.98	1142.72	1138.46	1133.25	1128.04	1122.83
<b>37.5</b>	1123.61	1118.52	1113.44	1108.36	1103.27	1098.19	1093.11	1087.86	1082.61	1077.36
<b>40.0</b>	1075.21	1070.37	1065.53	1060.69	1055.86	1051.02	1046.18	1040.66	1035.13	1029.61
<b>42.5</b>	1022.47	1016.38	1010.28	1004.18	998.09	991.99	985.90	980.76	975.63	970.49
<b>45.0</b>	968.68	962.06	955.43	948.81	942.19	935.56	928.94	923.33	917.73	912.12
<b>47.5</b>	908.58	901.92	895.27	888.61	881.95	875.30	868.64	862.59	856.54	850.50
<b>50.0</b>	841.97	835.37	828.76	822.16	815.55	808.95	802.34	796.33	790.32	784.31
<b>52.5</b>	775.96	768.80	761.65	754.49	747.34	740.18	733.03	726.90	720.78	714.65
<b>55.0</b>	702.55	695.69	688.84	681.98	675.12	668.27	661.41	655.00	648.59	642.18
<b>57.5</b>	616.52	609.82	603.12	596.43	589.73	583.04	576.34	570.11	563.88	557.64
<b>60.0</b>	528.56	522.54	516.52	510.50	504.48	498.46	492.44	486.41	480.38	474.34
<b>62.5</b>	446.62	441.27	435.93	430.58	425.23	419.89	414.54	408.75	402.95	397.16
<b>65.0</b>	370.11	365.40	360.69	355.98	351.26	346.55	341.84	336.54	331.25	325.95
<b>67.5</b>	298.80	294.90	291.01	287.12	283.22	279.33	275.44	270.73	266.02	261.31
<b>70.0</b>	234.46	231.51	228.55	225.60	222.65	219.69	216.74	212.61	208.48	204.36
<b>72.5</b>	179.47	177.24	175.02	172.79	170.57	168.34	166.12	162.56	158.99	155.43
<b>75.0</b>	132.37	130.70	129.03	127.36	125.69	124.02	122.35	119.46	116.57	113.69
<b>77.5</b>	93.68	92.48	91.27	90.07	88.86	87.66	86.45	84.20	81.94	79.69
<b>80.0</b>	61.80	61.07	60.35	59.62	58.90	58.17	57.45	55.84	54.22	52.61
<b>82.5</b>	38.39	38.04	37.68	37.32	36.97	36.61	36.26	35.09	33.92	32.76
<b>85.0</b>	20.44	20.34	20.25	20.15	20.06	19.96	19.87	19.09	18.32	17.54
<b>87.5</b>	5.72	5.67	5.62	5.57	5.52	5.47	5.43	5.08	4.73	4.39
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>92.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>97.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>102.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.09
<b>107.5</b>	0.28	0.33	0.37	0.42	0.47	0.52	0.57	0.56	0.56	0.56
<b>110.0</b>	0.65	0.70	0.74	0.79	0.84	0.89	0.94	0.90	0.86	0.83
<b>112.5</b>	0.69	0.72	0.75	0.79	0.82	0.85	0.89	0.85	0.82	0.79

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>115.0</b>	0.66	0.68	0.70	0.72	0.73	0.75	0.77	0.75	0.73	0.71
<b>117.5</b>	0.65	0.66	0.67	0.68	0.70	0.71	0.72	0.71	0.69	0.68
<b>120.0</b>	0.65	0.66	0.67	0.68	0.70	0.71	0.72	0.71	0.71	0.70
<b>122.5</b>	0.67	0.68	0.70	0.72	0.74	0.76	0.78	0.78	0.78	0.78
<b>125.0</b>	0.72	0.76	0.79	0.83	0.87	0.90	0.94	0.93	0.93	0.92
<b>127.5</b>	0.74	0.78	0.82	0.87	0.91	0.95	1.00	1.01	1.02	1.04
<b>130.0</b>	0.87	0.92	0.97	1.02	1.07	1.12	1.17	1.17	1.18	1.18
<b>132.5</b>	0.99	1.06	1.13	1.20	1.27	1.34	1.41	1.40	1.39	1.38
<b>135.0</b>	1.07	1.15	1.23	1.31	1.39	1.47	1.55	1.52	1.50	1.47
<b>137.5</b>	1.19	1.26	1.34	1.41	1.48	1.56	1.63	1.61	1.60	1.58
<b>140.0</b>	1.38	1.44	1.49	1.55	1.60	1.66	1.71	1.70	1.70	1.69
<b>142.5</b>	1.52	1.57	1.61	1.66	1.70	1.75	1.80	1.80	1.81	1.81
<b>145.0</b>	1.55	1.61	1.66	1.72	1.77	1.83	1.88	1.87	1.86	1.86
<b>147.5</b>	1.63	1.70	1.77	1.84	1.91	1.98	2.05	2.03	2.02	2.00
<b>150.0</b>	1.65	1.73	1.82	1.90	1.99	2.07	2.16	2.15	2.14	2.14
<b>152.5</b>	1.67	1.76	1.84	1.93	2.01	2.10	2.19	2.18	2.17	2.16
<b>155.0</b>	1.74	1.82	1.89	1.97	2.05	2.13	2.21	2.21	2.22	2.22
<b>157.5</b>	1.73	1.79	1.86	1.92	1.98	2.04	2.10	2.12	2.13	2.15
<b>160.0</b>	1.77	1.83	1.88	1.94	1.99	2.05	2.10	2.12	2.13	2.15
<b>162.5</b>	1.83	1.90	1.97	2.05	2.12	2.19	2.27	2.26	2.26	2.26
<b>165.0</b>	1.90	2.00	2.10	2.20	2.29	2.39	2.49	2.47	2.45	2.43
<b>167.5</b>	1.92	2.02	2.13	2.23	2.33	2.44	2.54	2.53	2.53	2.52
<b>170.0</b>	2.01	2.11	2.21	2.31	2.40	2.50	2.60	2.59	2.57	2.56
<b>172.5</b>	2.22	2.30	2.38	2.46	2.55	2.63	2.71	2.68	2.66	2.63
<b>175.0</b>	2.35	2.41	2.47	2.53	2.59	2.65	2.71	2.68	2.66	2.63
<b>177.5</b>	2.35	2.39	2.43	2.47	2.52	2.56	2.60	2.59	2.58	2.57
<b>180.0</b>	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

**Vert. Horizontal Angles**  
**Angles**

	<u><b>100.0</b></u>	<u><b>102.5</b></u>	<u><b>105.0</b></u>	<u><b>107.5</b></u>	<u><b>110.0</b></u>	<u><b>112.5</b></u>	<u><b>115.0</b></u>	<u><b>117.5</b></u>	<u><b>120.0</b></u>	<u><b>122.5</b></u>
<b>0.0</b>	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
<b>2.5</b>	1406.58	1406.27	1405.97	1405.66	1405.36	1405.05	1404.61	1404.17	1403.74	1403.30
<b>5.0</b>	1399.46	1399.17	1398.88	1398.60	1398.31	1398.02	1397.46	1396.90	1396.34	1395.78
<b>7.5</b>	1387.93	1386.76	1385.60	1384.43	1383.27	1382.10	1381.09	1380.08	1379.08	1378.07
<b>10.0</b>	1375.65	1373.91	1372.18	1370.45	1368.71	1366.98	1365.50	1364.02	1362.54	1361.06
<b>12.5</b>	1361.83	1359.65	1357.46	1355.28	1353.09	1350.91	1349.71	1348.51	1347.31	1346.11
<b>15.0</b>	1343.45	1340.04	1336.63	1333.23	1329.82	1326.41	1326.20	1325.99	1325.78	1325.57
<b>17.5</b>	1327.29	1323.13	1318.97	1314.81	1310.65	1306.50	1305.79	1305.08	1304.38	1303.67
<b>20.0</b>	1310.20	1306.00	1301.81	1297.61	1293.42	1289.22	1287.27	1285.33	1283.38	1281.43
<b>22.5</b>	1292.40	1287.78	1283.16	1278.53	1273.91	1269.29	1266.47	1263.64	1260.82	1257.99
<b>25.0</b>	1262.83	1257.17	1251.52	1245.87	1240.21	1234.56	1232.08	1229.59	1227.11	1224.62
<b>27.5</b>	1227.75	1221.80	1215.84	1209.88	1203.92	1197.96	1196.27	1194.57	1192.88	1191.18
<b>30.0</b>	1195.55	1190.07	1184.59	1179.10	1173.62	1168.14	1165.43	1162.73	1160.02	1157.32
<b>32.5</b>	1159.14	1153.64	1148.14	1142.63	1137.13	1131.63	1128.50	1125.37	1122.24	1119.11
<b>35.0</b>	1117.62	1112.40	1107.19	1101.98	1096.77	1091.56	1088.19	1084.82	1081.45	1078.08
<b>37.5</b>	1072.11	1066.87	1061.62	1056.37	1051.12	1045.88	1042.70	1039.53	1036.36	1033.19
<b>40.0</b>	1024.09	1018.56	1013.04	1007.52	1001.99	996.47	993.65	990.83	988.01	985.19
<b>42.5</b>	965.36	960.22	955.09	949.95	944.82	939.68	937.27	934.86	932.46	930.05
<b>45.0</b>	906.51	900.91	895.30	889.69	884.09	878.48	876.42	874.36	872.30	870.24
<b>47.5</b>	844.45	838.40	832.35	826.31	820.26	814.21	811.99	809.77	807.55	805.33
<b>50.0</b>	778.30	772.29	766.28	760.27	754.26	748.25	746.09	743.93	741.78	739.62
<b>52.5</b>	708.53	702.40	696.27	690.15	684.02	677.90	675.08	672.27	669.46	666.64
<b>55.0</b>	635.77	629.37	622.96	616.55	610.14	603.73	599.77	595.81	591.85	587.89
<b>57.5</b>	551.41	545.18	538.95	532.72	526.49	520.25	515.65	511.04	506.43	501.82
<b>60.0</b>	468.31	462.28	456.25	450.21	444.18	438.15	432.67	427.20	421.72	416.24



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

62.5	391.36	385.57	379.77	373.98	368.18	362.39	356.39	350.39	344.40	338.40
65.0	320.65	315.36	310.06	304.76	299.47	294.17	288.15	282.13	276.11	270.09
67.5	256.60	251.89	247.19	242.48	237.77	233.06	227.45	221.84	216.23	210.61
70.0	200.23	196.10	191.97	187.85	183.72	179.59	174.58	169.57	164.55	159.54
72.5	151.87	148.30	144.74	141.18	137.61	134.05	129.95	125.85	121.74	117.64
75.0	110.80	107.91	105.02	102.14	99.25	96.36	93.21	90.05	86.90	83.75
77.5	77.44	75.18	72.93	70.68	68.42	66.17	63.88	61.59	59.31	57.02
80.0	51.00	49.38	47.77	46.16	44.54	42.93	41.32	39.71	38.10	36.49
82.5	31.59	30.42	29.26	28.09	26.92	25.76	24.75	23.74	22.73	21.72
85.0	16.77	15.99	15.22	14.44	13.67	12.89	12.26	11.64	11.01	10.39
87.5	4.04	3.69	3.35	3.00	2.66	2.31	2.19	2.06	1.94	1.82
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03
105.0	0.12	0.16	0.19	0.22	0.25	0.28	0.27	0.26	0.24	0.23
107.5	0.56	0.56	0.56	0.55	0.55	0.55	0.50	0.45	0.40	0.35
110.0	0.79	0.75	0.71	0.68	0.64	0.60	0.55	0.49	0.44	0.38
112.5	0.76	0.73	0.70	0.66	0.63	0.60	0.55	0.50	0.46	0.41
115.0	0.69	0.68	0.66	0.64	0.62	0.60	0.57	0.54	0.51	0.48
117.5	0.67	0.65	0.64	0.63	0.61	0.60	0.60	0.59	0.59	0.58
120.0	0.69	0.69	0.68	0.67	0.67	0.66	0.67	0.67	0.68	0.69
122.5	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.80	0.80
125.0	0.91	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.86
127.5	1.05	1.07	1.08	1.10	1.11	1.13	1.10	1.07	1.05	1.02
130.0	1.19	1.19	1.20	1.20	1.21	1.21	1.20	1.19	1.18	1.17
132.5	1.37	1.36	1.35	1.34	1.33	1.32	1.30	1.29	1.27	1.25
135.0	1.45	1.42	1.40	1.37	1.35	1.32	1.32	1.31	1.31	1.30
137.5	1.57	1.55	1.53	1.52	1.50	1.49	1.48	1.48	1.48	1.48
140.0	1.68	1.68	1.67	1.66	1.66	1.65	1.63	1.60	1.58	1.56
142.5	1.82	1.82	1.83	1.83	1.84	1.84	1.81	1.77	1.74	1.70
145.0	1.85	1.84	1.83	1.83	1.82	1.81	1.79	1.77	1.74	1.72
147.5	1.98	1.96	1.95	1.93	1.91	1.90	1.89	1.88	1.87	1.86
150.0	2.13	2.12	2.11	2.11	2.10	2.09	2.07	2.06	2.04	2.03
152.5	2.16	2.15	2.14	2.13	2.13	2.12	2.12	2.11	2.11	2.10
155.0	2.23	2.23	2.24	2.24	2.25	2.25	2.23	2.22	2.20	2.19
157.5	2.17	2.18	2.20	2.22	2.23	2.25	2.23	2.22	2.20	2.19
160.0	2.17	2.18	2.20	2.22	2.23	2.25	2.23	2.22	2.20	2.19
162.5	2.26	2.26	2.26	2.25	2.25	2.25	2.24	2.23	2.21	2.20
165.0	2.41	2.39	2.37	2.35	2.33	2.31	2.31	2.30	2.30	2.30
167.5	2.51	2.50	2.50	2.49	2.48	2.48	2.46	2.45	2.44	2.42
170.0	2.54	2.53	2.51	2.50	2.48	2.47	2.47	2.48	2.48	2.48
172.5	2.60	2.58	2.55	2.52	2.50	2.47	2.47	2.48	2.48	2.48
175.0	2.60	2.58	2.55	2.52	2.50	2.47	2.47	2.48	2.48	2.48
177.5	2.56	2.54	2.53	2.52	2.51	2.50	2.50	2.50	2.50	2.50
180.0	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

**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	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
2.5	1402.86	1402.42	1401.99	1401.55	1401.11	1400.70	1400.29	1399.89	1399.48	1399.07
5.0	1395.23	1394.67	1394.11	1393.55	1392.99	1391.82	1390.65	1389.47	1388.30	1387.13
7.5	1377.06	1376.05	1375.05	1374.04	1373.03	1372.26	1371.49	1370.72	1369.95	1369.18

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

10.0	1359.58	1358.10	1356.62	1355.14	1353.66	1354.08	1354.49	1354.91	1355.32	1355.74
12.5	1344.92	1343.72	1342.52	1341.32	1340.12	1339.96	1339.79	1339.63	1339.46	1339.30
15.0	1325.37	1325.16	1324.95	1324.74	1324.53	1323.05	1321.57	1320.09	1318.61	1317.12
17.5	1302.96	1302.26	1301.55	1300.85	1300.14	1299.06	1297.97	1296.89	1295.80	1294.72
20.0	1279.49	1277.54	1275.59	1273.65	1271.70	1270.76	1269.83	1268.89	1267.95	1267.02
22.5	1255.17	1252.34	1249.52	1246.69	1243.87	1243.15	1242.43	1241.71	1240.99	1240.27
25.0	1222.14	1219.65	1217.17	1214.68	1212.20	1211.19	1210.19	1209.18	1208.17	1207.17
27.5	1189.49	1187.80	1186.10	1184.41	1182.72	1180.97	1179.23	1177.49	1175.74	1174.00
30.0	1154.61	1151.91	1149.20	1146.50	1143.79	1141.86	1139.94	1138.01	1136.09	1134.16
32.5	1115.99	1112.86	1109.73	1106.60	1103.48	1101.35	1099.22	1097.09	1094.96	1092.83
35.0	1074.70	1071.33	1067.96	1064.59	1061.22	1058.53	1055.84	1053.15	1050.46	1047.76
37.5	1030.01	1026.84	1023.67	1020.50	1017.33	1014.87	1012.41	1009.96	1007.50	1005.04
40.0	982.36	979.54	976.72	973.90	971.08	967.92	964.76	961.60	958.44	955.29
42.5	927.64	925.23	922.83	920.42	918.01	915.02	912.03	909.03	906.04	903.05
45.0	868.17	866.11	864.05	861.99	859.93	856.50	853.07	849.65	846.22	842.79
47.5	803.11	800.89	798.67	796.45	794.23	790.68	787.13	783.58	780.04	776.49
50.0	737.46	735.30	733.15	730.99	728.83	724.63	720.44	716.24	712.04	707.85
52.5	663.83	661.02	658.20	655.39	652.58	647.74	642.90	638.06	633.23	628.39
55.0	583.94	579.98	576.02	572.06	568.10	562.48	556.85	551.23	545.61	539.98
57.5	497.21	492.60	487.99	483.38	478.77	472.51	466.25	459.99	453.73	447.47
60.0	410.77	405.29	399.81	394.34	388.86	383.01	377.16	371.30	365.45	359.60
62.5	332.40	326.41	320.41	314.41	308.42	303.41	298.40	293.39	288.38	283.37
65.0	264.06	258.04	252.02	246.00	239.98	235.73	231.48	227.24	222.99	218.74
67.5	205.00	199.39	193.78	188.17	182.56	178.89	175.22	171.55	167.89	164.22
70.0	154.53	149.52	144.50	139.49	134.48	131.47	128.46	125.45	122.44	119.42
72.5	113.54	109.44	105.33	101.23	97.13	94.71	92.28	89.86	87.43	85.01
75.0	80.59	77.44	74.29	71.13	67.98	66.14	64.31	62.47	60.64	58.80
77.5	54.73	52.44	50.16	47.87	45.58	44.31	43.04	41.77	40.50	39.23
80.0	34.88	33.27	31.66	30.05	28.44	27.63	26.82	26.01	25.20	24.38
82.5	20.71	19.70	18.69	17.68	16.67	16.17	15.67	15.18	14.68	14.18
85.0	9.76	9.14	8.51	7.89	7.26	7.03	6.80	6.56	6.33	6.10
87.5	1.70	1.57	1.45	1.33	1.21	1.29	1.37	1.45	1.53	1.61
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.03	0.04	0.05	0.05	0.06	0.05	0.05	0.04	0.03	0.03
105.0	0.22	0.21	0.19	0.18	0.17	0.15	0.13	0.11	0.09	0.08
107.5	0.31	0.26	0.21	0.16	0.11	0.10	0.09	0.07	0.06	0.05
110.0	0.33	0.27	0.22	0.16	0.11	0.10	0.10	0.09	0.09	0.08
112.5	0.36	0.31	0.27	0.22	0.17	0.18	0.19	0.20	0.21	0.21
115.0	0.46	0.43	0.40	0.37	0.34	0.33	0.33	0.32	0.31	0.31
117.5	0.58	0.57	0.57	0.56	0.56	0.53	0.51	0.49	0.47	0.45
120.0	0.69	0.70	0.71	0.71	0.72	0.70	0.67	0.65	0.62	0.60
122.5	0.81	0.82	0.82	0.83	0.84	0.84	0.85	0.86	0.86	0.87
125.0	0.85	0.85	0.84	0.84	0.83	0.86	0.88	0.91	0.93	0.96
127.5	0.99	0.97	0.94	0.92	0.89	0.93	0.97	1.01	1.05	1.09
130.0	1.15	1.14	1.13	1.12	1.11	1.14	1.17	1.20	1.23	1.27
132.5	1.23	1.22	1.20	1.18	1.17	1.22	1.28	1.34	1.39	1.45
135.0	1.30	1.29	1.29	1.28	1.28	1.34	1.39	1.45	1.50	1.56
137.5	1.48	1.48	1.48	1.48	1.48	1.52	1.56	1.61	1.65	1.69
140.0	1.53	1.51	1.49	1.46	1.44	1.50	1.55	1.61	1.67	1.72
142.5	1.67	1.63	1.60	1.56	1.53	1.57	1.62	1.67	1.71	1.76
145.0	1.70	1.68	1.65	1.63	1.61	1.65	1.69	1.72	1.76	1.80
147.5	1.85	1.84	1.83	1.82	1.81	1.83	1.85	1.87	1.89	1.91

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>150.0</b>	2.01	2.00	1.98	1.97	1.95	1.96	1.96	1.97	1.97	1.98
<b>152.5</b>	2.10	2.10	2.09	2.09	2.09	2.09	2.10	2.10	2.11	2.12
<b>155.0</b>	2.17	2.16	2.14	2.13	2.11	2.11	2.11	2.11	2.11	2.12
<b>157.5</b>	2.17	2.16	2.14	2.13	2.11	2.12	2.14	2.15	2.16	2.18
<b>160.0</b>	2.17	2.16	2.14	2.13	2.11	2.12	2.14	2.15	2.16	2.18
<b>162.5</b>	2.19	2.18	2.16	2.15	2.14	2.16	2.18	2.21	2.23	2.25
<b>165.0</b>	2.29	2.29	2.29	2.28	2.28	2.29	2.29	2.30	2.31	2.31
<b>167.5</b>	2.41	2.40	2.39	2.37	2.36	2.39	2.41	2.44	2.46	2.49
<b>170.0</b>	2.49	2.49	2.49	2.50	2.50	2.53	2.55	2.58	2.60	2.63
<b>172.5</b>	2.49	2.49	2.49	2.50	2.50	2.54	2.58	2.61	2.65	2.69
<b>175.0</b>	2.49	2.49	2.49	2.50	2.50	2.54	2.58	2.61	2.65	2.69
<b>177.5</b>	2.50	2.50	2.50	2.50	2.50	2.53	2.55	2.58	2.60	2.63
<b>180.0</b>	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

**Vert. Angles**      **Horizontal Angles**

	<u><b>150.0</b></u>	<u><b>152.5</b></u>	<u><b>155.0</b></u>	<u><b>157.5</b></u>	<u><b>160.0</b></u>	<u><b>162.5</b></u>	<u><b>165.0</b></u>	<u><b>167.5</b></u>	<u><b>170.0</b></u>	<u><b>172.5</b></u>
<b>0.0</b>	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
<b>2.5</b>	1398.66	1398.26	1397.85	1397.44	1397.37	1397.30	1397.23	1397.16	1397.10	1397.03
<b>5.0</b>	1385.96	1384.78	1383.61	1382.44	1382.36	1382.28	1382.20	1382.12	1382.04	1381.96
<b>7.5</b>	1368.41	1367.64	1366.87	1366.10	1366.85	1367.60	1368.36	1369.11	1369.86	1370.61
<b>10.0</b>	1356.15	1356.57	1356.98	1357.40	1357.52	1357.65	1357.77	1357.90	1358.02	1358.15
<b>12.5</b>	1339.13	1338.97	1338.80	1338.64	1338.56	1338.49	1338.42	1338.35	1338.28	1338.21
<b>15.0</b>	1315.64	1314.16	1312.68	1311.20	1311.56	1311.92	1312.29	1312.65	1313.01	1313.37
<b>17.5</b>	1293.63	1292.55	1291.46	1290.38	1289.89	1289.40	1288.91	1288.42	1287.94	1287.45
<b>20.0</b>	1266.08	1265.14	1264.21	1263.27	1262.69	1262.12	1261.54	1260.96	1260.39	1259.81
<b>22.5</b>	1239.55	1238.83	1238.11	1237.39	1236.19	1234.98	1233.78	1232.57	1231.37	1230.16
<b>25.0</b>	1206.16	1205.15	1204.15	1203.14	1201.67	1200.20	1198.73	1197.26	1195.78	1194.31
<b>27.5</b>	1172.26	1170.52	1168.77	1167.03	1165.09	1163.16	1161.22	1159.28	1157.35	1155.41
<b>30.0</b>	1132.24	1130.31	1128.39	1126.46	1125.08	1123.70	1122.32	1120.94	1119.57	1118.19
<b>32.5</b>	1090.70	1088.57	1086.44	1084.32	1083.92	1083.53	1083.14	1082.74	1082.35	1081.96
<b>35.0</b>	1045.07	1042.38	1039.69	1037.00	1036.93	1036.86	1036.79	1036.72	1036.65	1036.58
<b>37.5</b>	1002.59	1000.13	997.68	995.22	994.25	993.28	992.31	991.34	990.37	989.40
<b>40.0</b>	952.13	948.97	945.81	942.65	941.86	941.07	940.28	939.49	938.69	937.90
<b>42.5</b>	900.06	897.06	894.07	891.08	889.54	887.99	886.45	884.91	883.36	881.82
<b>45.0</b>	839.36	835.94	832.51	829.08	827.63	826.18	824.73	823.28	821.82	820.37
<b>47.5</b>	772.94	769.39	765.85	762.30	760.18	758.06	755.94	753.82	751.70	749.58
<b>50.0</b>	703.65	699.45	695.26	691.06	687.38	683.71	680.03	676.36	672.68	669.01
<b>52.5</b>	623.55	618.71	613.88	609.04	604.84	600.64	596.44	592.24	588.04	583.84
<b>55.0</b>	534.36	528.74	523.11	517.49	513.40	509.30	505.21	501.11	497.02	492.92
<b>57.5</b>	441.21	434.95	428.69	422.43	419.06	415.69	412.31	408.94	405.57	402.20
<b>60.0</b>	353.75	347.89	342.04	336.19	333.46	330.73	328.01	325.28	322.55	319.82
<b>62.5</b>	278.36	273.35	268.34	263.33	260.93	258.53	256.13	253.74	251.34	248.94
<b>65.0</b>	214.49	210.25	206.00	201.75	199.67	197.59	195.51	193.43	191.36	189.28
<b>67.5</b>	160.55	156.88	153.22	149.55	147.85	146.14	144.44	142.73	141.03	139.32
<b>70.0</b>	116.41	113.40	110.39	107.38	106.08	104.77	103.47	102.16	100.86	99.55
<b>72.5</b>	82.58	80.16	77.73	75.31	74.41	73.51	72.62	71.72	70.82	69.93
<b>75.0</b>	56.97	55.13	53.30	51.46	50.85	50.24	49.63	49.02	48.42	47.81
<b>77.5</b>	37.96	36.69	35.42	34.15	33.69	33.24	32.79	32.34	31.88	31.43
<b>80.0</b>	23.57	22.76	21.95	21.14	20.86	20.58	20.31	20.03	19.75	19.47
<b>82.5</b>	13.69	13.19	12.69	12.20	12.06	11.92	11.78	11.64	11.51	11.37
<b>85.0</b>	5.87	5.63	5.40	5.17	5.13	5.09	5.04	5.00	4.96	4.92
<b>87.5</b>	1.69	1.77	1.85	1.94	1.95	1.97	1.99	2.00	2.02	2.04
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>92.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.06	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.08	0.07	0.07	0.06	0.05	0.05	0.04	0.03	0.03	0.02
112.5	0.22	0.23	0.24	0.25	0.24	0.22	0.21	0.19	0.18	0.16
115.0	0.30	0.29	0.29	0.28	0.27	0.27	0.26	0.25	0.25	0.24
117.5	0.43	0.40	0.38	0.36	0.37	0.37	0.38	0.39	0.39	0.40
120.0	0.57	0.55	0.52	0.50	0.49	0.49	0.48	0.48	0.47	0.47
122.5	0.88	0.88	0.89	0.90	0.89	0.88	0.88	0.87	0.86	0.86
125.0	0.98	1.01	1.03	1.06	1.08	1.10	1.12	1.14	1.15	1.17
127.5	1.13	1.17	1.21	1.26	1.26	1.27	1.28	1.29	1.30	1.31
130.0	1.30	1.33	1.36	1.39	1.40	1.42	1.43	1.44	1.46	1.47
132.5	1.51	1.56	1.62	1.68	1.68	1.68	1.68	1.68	1.68	1.68
135.0	1.61	1.67	1.72	1.78	1.78	1.78	1.78	1.78	1.79	1.79
137.5	1.74	1.78	1.82	1.87	1.87	1.88	1.89	1.89	1.90	1.91
140.0	1.78	1.84	1.89	1.95	1.96	1.96	1.97	1.98	1.98	1.99
142.5	1.81	1.86	1.90	1.95	1.96	1.97	1.98	1.99	2.00	2.01
145.0	1.84	1.87	1.91	1.95	1.96	1.98	1.99	2.00	2.02	2.03
147.5	1.94	1.96	1.98	2.00	2.01	2.02	2.02	2.03	2.04	2.05
150.0	1.98	1.99	1.99	2.00	2.01	2.02	2.02	2.03	2.04	2.05
152.5	2.12	2.13	2.13	2.14	2.14	2.13	2.13	2.12	2.12	2.11
155.0	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12
157.5	2.19	2.20	2.22	2.23	2.22	2.22	2.21	2.21	2.20	2.20
160.0	2.19	2.20	2.22	2.23	2.23	2.23	2.23	2.23	2.23	2.23
162.5	2.27	2.30	2.32	2.34	2.33	2.32	2.30	2.29	2.28	2.27
165.0	2.32	2.33	2.33	2.34	2.33	2.32	2.30	2.29	2.28	2.27
167.5	2.51	2.54	2.56	2.59	2.56	2.54	2.51	2.48	2.46	2.43
170.0	2.65	2.68	2.70	2.73	2.74	2.76	2.77	2.78	2.80	2.81
172.5	2.73	2.76	2.80	2.84	2.84	2.84	2.84	2.84	2.85	2.85
175.0	2.73	2.76	2.80	2.84	2.85	2.85	2.86	2.87	2.87	2.88
177.5	2.65	2.68	2.70	2.73	2.72	2.71	2.71	2.70	2.69	2.68
180.0	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

**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	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
2.5	1396.96	1396.89	1396.82	1396.95	1397.07	1397.20	1397.32	1397.45	1397.58	1397.70
5.0	1381.88	1381.80	1381.72	1381.99	1382.27	1382.54	1382.82	1383.09	1383.37	1383.64
7.5	1371.37	1372.12	1372.87	1372.11	1371.34	1370.58	1369.82	1369.06	1368.29	1367.53
10.0	1358.27	1358.40	1358.52	1357.74	1356.97	1356.19	1355.41	1354.64	1353.86	1353.08
12.5	1338.13	1338.06	1337.99	1337.25	1336.50	1335.76	1335.01	1334.27	1333.52	1332.78
15.0	1313.74	1314.10	1314.46	1313.49	1312.52	1311.55	1310.58	1309.60	1308.63	1307.66
17.5	1286.96	1286.47	1285.99	1285.13	1284.28	1283.43	1282.57	1281.72	1280.87	1280.02
20.0	1259.23	1258.66	1258.08	1257.51	1256.94	1256.37	1255.80	1255.22	1254.65	1254.08
22.5	1228.96	1227.75	1226.55	1226.40	1226.25	1226.10	1225.95	1225.80	1225.65	1225.50
25.0	1192.84	1191.37	1189.90	1190.37	1190.84	1191.30	1191.77	1192.24	1192.71	1193.17
27.5	1153.47	1151.54	1149.60	1150.29	1150.99	1151.68	1152.38	1153.07	1153.76	1154.46
30.0	1116.81	1115.43	1114.05	1114.25	1114.46	1114.66	1114.87	1115.07	1115.28	1115.48
32.5	1081.57	1081.17	1080.78	1080.44	1080.09	1079.75	1079.41	1079.07	1078.72	1078.38
35.0	1036.51	1036.44	1036.37	1035.99	1035.61	1035.22	1034.84	1034.46	1034.08	1033.69
37.5	988.43	987.46	986.50	986.74	986.98	987.22	987.46	987.70	987.95	988.19
40.0	937.11	936.32	935.53	935.74	935.94	936.15	936.35	936.56	936.76	936.97
42.5	880.28	878.73	877.19	877.49	877.79	878.09	878.38	878.68	878.98	879.28

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

45.0	818.92	817.47	816.02	816.36	816.70	817.04	817.38	817.72	818.06	818.40
47.5	747.46	745.34	743.22	744.41	745.59	746.78	747.96	749.15	750.33	751.52
50.0	665.33	661.66	657.98	660.57	663.16	665.76	668.35	670.94	673.53	676.13
52.5	579.64	575.44	571.25	573.67	576.09	578.52	580.94	583.36	585.79	588.21
55.0	488.83	484.73	480.64	482.68	484.73	486.77	488.82	490.86	492.91	494.95
57.5	398.83	395.46	392.08	393.76	395.43	397.11	398.78	400.46	402.13	403.81
60.0	317.10	314.37	311.64	313.03	314.42	315.81	317.20	318.59	319.98	321.37
62.5	246.54	244.15	241.75	243.19	244.63	246.07	247.51	248.96	250.40	251.84
65.0	187.20	185.12	183.04	184.32	185.60	186.87	188.15	189.43	190.71	191.98
67.5	137.62	135.91	134.21	135.30	136.39	137.48	138.57	139.66	140.76	141.85
70.0	98.25	96.94	95.64	96.53	97.42	98.32	99.21	100.10	100.99	101.89
72.5	69.03	68.13	67.24	67.90	68.56	69.22	69.88	70.54	71.20	71.86
75.0	47.20	46.59	45.98	46.47	46.96	47.46	47.95	48.44	48.93	49.43
77.5	30.98	30.53	30.08	30.44	30.80	31.16	31.53	31.89	32.25	32.61
80.0	19.20	18.92	18.64	18.86	19.08	19.29	19.51	19.73	19.95	20.16
82.5	11.23	11.09	10.96	11.09	11.22	11.36	11.49	11.63	11.76	11.90
85.0	4.87	4.83	4.79	4.81	4.84	4.86	4.88	4.91	4.93	4.95
87.5	2.05	2.07	2.09	2.05	2.01	1.98	1.94	1.91	1.87	1.84
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.15	0.13	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11
115.0	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
117.5	0.41	0.41	0.42	0.41	0.39	0.38	0.37	0.36	0.34	0.33
120.0	0.46	0.46	0.45	0.44	0.44	0.43	0.42	0.42	0.41	0.40
122.5	0.85	0.85	0.84	0.83	0.83	0.82	0.81	0.81	0.80	0.79
125.0	1.19	1.21	1.23	1.20	1.18	1.15	1.13	1.10	1.08	1.05
127.5	1.32	1.33	1.34	1.32	1.29	1.27	1.24	1.22	1.19	1.17
130.0	1.48	1.50	1.51	1.48	1.46	1.43	1.41	1.38	1.36	1.33
132.5	1.68	1.68	1.68	1.67	1.66	1.66	1.65	1.64	1.64	1.63
135.0	1.79	1.79	1.79	1.80	1.80	1.81	1.81	1.82	1.82	1.83
137.5	1.91	1.92	1.93	1.92	1.91	1.91	1.90	1.89	1.89	1.88
140.0	2.00	2.00	2.01	2.00	1.98	1.97	1.96	1.94	1.93	1.92
142.5	2.02	2.03	2.04	2.03	2.02	2.02	2.01	2.00	2.00	1.99
145.0	2.04	2.06	2.07	2.07	2.07	2.07	2.07	2.06	2.06	2.06
147.5	2.05	2.06	2.07	2.08	2.09	2.11	2.12	2.13	2.14	2.15
150.0	2.05	2.06	2.07	2.08	2.09	2.10	2.11	2.13	2.14	2.15
152.5	2.11	2.10	2.10	2.10	2.11	2.12	2.13	2.14	2.15	2.15
155.0	2.12	2.12	2.12	2.13	2.13	2.14	2.14	2.15	2.15	2.16
157.5	2.19	2.19	2.18	2.18	2.18	2.18	2.18	2.17	2.17	2.17
160.0	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23
162.5	2.25	2.24	2.23	2.23	2.23	2.23	2.23	2.23	2.23	2.23
165.0	2.25	2.24	2.23	2.22	2.22	2.21	2.20	2.20	2.19	2.18
167.5	2.40	2.38	2.35	2.35	2.35	2.35	2.35	2.34	2.34	2.34
170.0	2.82	2.84	2.85	2.84	2.82	2.81	2.80	2.78	2.77	2.76
172.5	2.85	2.85	2.85	2.86	2.87	2.88	2.89	2.91	2.92	2.93
175.0	2.89	2.89	2.90	2.91	2.91	2.92	2.92	2.93	2.93	2.94
177.5	2.67	2.66	2.66	2.68	2.70	2.72	2.74	2.76	2.78	2.80
180.0	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>200.0</u></b>	<b><u>202.5</u></b>	<b><u>205.0</u></b>	<b><u>207.5</u></b>	<b><u>210.0</u></b>	<b><u>212.5</u></b>	<b><u>215.0</u></b>	<b><u>217.5</u></b>	<b><u>220.0</u></b>	<b><u>222.5</u></b>
<b>0.0</b>	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
<b>2.5</b>	1397.83	1397.96	1398.80	1399.65	1400.50	1401.35	1402.20	1403.05	1403.90	1404.75
<b>5.0</b>	1383.92	1384.19	1386.01	1387.83	1389.66	1391.48	1393.30	1395.12	1396.95	1398.77
<b>7.5</b>	1366.77	1366.01	1368.41	1370.81	1373.22	1375.62	1378.03	1380.43	1382.84	1385.24
<b>10.0</b>	1352.31	1351.53	1353.30	1355.06	1356.83	1358.60	1360.36	1362.13	1363.90	1365.66
<b>12.5</b>	1332.03	1331.29	1333.18	1335.07	1336.97	1338.86	1340.75	1342.64	1344.53	1346.42
<b>15.0</b>	1306.69	1305.72	1307.69	1309.65	1311.62	1313.58	1315.55	1317.51	1319.48	1321.44
<b>17.5</b>	1279.16	1278.31	1280.22	1282.13	1284.04	1285.95	1287.85	1289.76	1291.67	1293.58
<b>20.0</b>	1253.51	1252.94	1254.60	1256.26	1257.92	1259.58	1261.23	1262.89	1264.55	1266.21
<b>22.5</b>	1225.35	1225.21	1226.98	1228.75	1230.53	1232.30	1234.08	1235.85	1237.63	1239.40
<b>25.0</b>	1193.64	1194.11	1195.92	1197.72	1199.53	1201.34	1203.14	1204.95	1206.76	1208.56
<b>27.5</b>	1155.15	1155.85	1157.82	1159.80	1161.78	1163.75	1165.73	1167.71	1169.69	1171.66
<b>30.0</b>	1115.69	1115.89	1118.14	1120.39	1122.64	1124.89	1127.15	1129.40	1131.65	1133.90
<b>32.5</b>	1078.04	1077.70	1079.65	1081.61	1083.56	1085.52	1087.47	1089.43	1091.38	1093.34
<b>35.0</b>	1033.31	1032.93	1035.71	1038.49	1041.27	1044.05	1046.83	1049.61	1052.39	1055.17
<b>37.5</b>	988.43	988.67	991.73	994.80	997.86	1000.92	1003.98	1007.05	1010.11	1013.17
<b>40.0</b>	937.17	937.38	940.43	943.48	946.54	949.59	952.64	955.69	958.75	961.80
<b>42.5</b>	879.58	879.88	883.32	886.77	890.22	893.67	897.11	900.56	904.01	907.46
<b>45.0</b>	818.74	819.08	822.64	826.20	829.76	833.32	836.87	840.43	843.99	847.55
<b>47.5</b>	752.70	753.89	757.61	761.33	765.05	768.78	772.50	776.22	779.94	783.67
<b>50.0</b>	678.72	681.31	685.24	689.17	693.10	697.03	700.95	704.88	708.81	712.74
<b>52.5</b>	590.64	593.06	597.74	602.42	607.10	611.78	616.45	621.13	625.81	630.49
<b>55.0</b>	497.00	499.04	504.40	509.76	515.12	520.48	525.84	531.20	536.56	541.92
<b>57.5</b>	405.48	407.16	412.68	418.20	423.72	429.24	434.76	440.28	445.80	451.32
<b>60.0</b>	322.76	324.15	329.24	334.34	339.43	344.53	349.62	354.72	359.81	364.91
<b>62.5</b>	253.28	254.72	259.10	263.48	267.86	272.24	276.62	281.00	285.38	289.76
<b>65.0</b>	193.26	194.54	198.40	202.27	206.13	209.99	213.86	217.72	221.58	225.45
<b>67.5</b>	142.94	144.03	147.36	150.68	154.01	157.34	160.67	163.99	167.32	170.65
<b>70.0</b>	102.78	103.67	106.44	109.21	111.98	114.75	117.53	120.30	123.07	125.84
<b>72.5</b>	72.52	73.18	75.44	77.71	79.98	82.25	84.51	86.78	89.05	91.32
<b>75.0</b>	49.92	50.41	52.15	53.88	55.62	57.36	59.09	60.83	62.57	64.30
<b>77.5</b>	32.98	33.34	34.58	35.82	37.07	38.31	39.55	40.79	42.04	43.28
<b>80.0</b>	20.38	20.60	21.44	22.27	23.11	23.95	24.78	25.62	26.46	27.29
<b>82.5</b>	12.03	12.17	12.64	13.12	13.59	14.07	14.55	15.02	15.50	15.97
<b>85.0</b>	4.98	5.00	5.21	5.42	5.63	5.84	6.04	6.25	6.46	6.67
<b>87.5</b>	1.80	1.77	1.67	1.58	1.49	1.39	1.30	1.21	1.12	1.02
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>92.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>97.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>102.5</b>	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08
<b>105.0</b>	0.00	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.09	0.10
<b>107.5</b>	0.00	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.09	0.10
<b>110.0</b>	0.00	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.09	0.10
<b>112.5</b>	0.11	0.11	0.11	0.12	0.12	0.12	0.13	0.13	0.13	0.14
<b>115.0</b>	0.22	0.22	0.23	0.24	0.26	0.27	0.28	0.29	0.31	0.32
<b>117.5</b>	0.32	0.31	0.32	0.34	0.35	0.37	0.38	0.40	0.41	0.43
<b>120.0</b>	0.40	0.39	0.40	0.41	0.43	0.44	0.45	0.46	0.48	0.49
<b>122.5</b>	0.79	0.78	0.76	0.74	0.72	0.70	0.69	0.67	0.65	0.63
<b>125.0</b>	1.03	1.00	0.98	0.96	0.94	0.92	0.91	0.89	0.87	0.85
<b>127.5</b>	1.14	1.12	1.09	1.07	1.04	1.02	0.99	0.97	0.94	0.92
<b>130.0</b>	1.31	1.28	1.26	1.23	1.21	1.18	1.16	1.13	1.11	1.08

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

132.5	1.62	1.62	1.57	1.52	1.47	1.42	1.37	1.32	1.27	1.22
135.0	1.83	1.84	1.78	1.72	1.65	1.59	1.53	1.47	1.40	1.34
137.5	1.87	1.87	1.80	1.74	1.67	1.61	1.54	1.48	1.41	1.35
140.0	1.90	1.89	1.83	1.77	1.70	1.64	1.58	1.52	1.45	1.39
142.5	1.98	1.98	1.91	1.85	1.78	1.72	1.65	1.59	1.52	1.46
145.0	2.06	2.06	2.03	2.00	1.97	1.94	1.90	1.87	1.84	1.81
147.5	2.16	2.18	2.16	2.14	2.13	2.11	2.09	2.08	2.06	2.05
150.0	2.16	2.17	2.16	2.16	2.15	2.14	2.14	2.13	2.12	2.12
152.5	2.16	2.17	2.16	2.16	2.15	2.14	2.14	2.13	2.12	2.12
155.0	2.16	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17
157.5	2.17	2.17	2.16	2.15	2.13	2.12	2.11	2.10	2.08	2.07
160.0	2.23	2.23	2.21	2.19	2.17	2.15	2.14	2.12	2.10	2.08
162.5	2.23	2.23	2.21	2.19	2.17	2.15	2.13	2.12	2.10	2.08
165.0	2.18	2.17	2.16	2.15	2.13	2.12	2.11	2.10	2.08	2.07
167.5	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
170.0	2.74	2.73	2.72	2.72	2.71	2.70	2.70	2.69	2.68	2.68
172.5	2.94	2.95	2.94	2.93	2.92	2.91	2.90	2.89	2.88	2.87
175.0	2.94	2.95	2.92	2.90	2.87	2.85	2.82	2.80	2.77	2.75
177.5	2.82	2.84	2.80	2.77	2.74	2.71	2.68	2.65	2.62	2.59
180.0	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

**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	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
2.5	1405.60	1405.21	1404.82	1404.43	1404.04	1403.65	1403.27	1402.88	1402.49	1402.10
5.0	1400.59	1399.91	1399.23	1398.55	1397.87	1397.20	1396.52	1395.84	1395.16	1394.48
7.5	1387.65	1387.43	1387.22	1387.00	1386.79	1386.57	1386.36	1386.14	1385.93	1385.72
10.0	1367.43	1367.58	1367.74	1367.89	1368.04	1368.20	1368.35	1368.50	1368.66	1368.81
12.5	1348.32	1349.54	1350.76	1351.98	1353.20	1354.42	1355.65	1356.87	1358.09	1359.31
15.0	1323.41	1324.98	1326.55	1328.12	1329.69	1331.25	1332.82	1334.39	1335.96	1337.53
17.5	1295.49	1297.85	1300.20	1302.56	1304.92	1307.27	1309.63	1311.99	1314.34	1316.70
20.0	1267.87	1270.75	1273.63	1276.51	1279.39	1282.28	1285.16	1288.04	1290.92	1293.80
22.5	1241.18	1244.23	1247.29	1250.34	1253.40	1256.46	1259.51	1262.57	1265.62	1268.68
25.0	1210.37	1213.19	1216.02	1218.84	1221.67	1224.49	1227.32	1230.14	1232.97	1235.79
27.5	1173.64	1177.09	1180.54	1183.99	1187.44	1190.89	1194.34	1197.79	1201.24	1204.70
30.0	1136.15	1139.74	1143.33	1146.92	1150.51	1154.11	1157.70	1161.29	1164.88	1168.47
32.5	1095.29	1098.48	1101.67	1104.86	1108.05	1111.24	1114.43	1117.62	1120.81	1124.00
35.0	1057.95	1060.84	1063.73	1066.61	1069.50	1072.39	1075.28	1078.16	1081.05	1083.94
37.5	1016.24	1019.12	1022.01	1024.89	1027.78	1030.66	1033.55	1036.43	1039.32	1042.20
40.0	964.85	968.25	971.65	975.05	978.45	981.85	985.25	988.65	992.05	995.45
42.5	910.91	913.94	916.97	920.00	923.03	926.06	929.09	932.12	935.15	938.18
45.0	851.11	854.45	857.78	861.12	864.46	867.79	871.13	874.47	877.80	881.14
47.5	787.39	791.28	795.17	799.06	802.95	806.84	810.73	814.62	818.51	822.41
50.0	716.67	720.70	724.73	728.77	732.80	736.83	740.86	744.90	748.93	752.96
52.5	635.17	639.95	644.73	649.51	654.29	659.08	663.86	668.64	673.42	678.20
55.0	547.28	552.90	558.51	564.13	569.74	575.36	580.97	586.59	592.20	597.82
57.5	456.83	462.81	468.78	474.76	480.73	486.71	492.68	498.66	504.63	510.60
60.0	370.00	376.37	382.74	389.11	395.48	401.85	408.22	414.59	420.96	427.33
62.5	294.14	300.48	306.82	313.16	319.50	325.84	332.19	338.53	344.87	351.21
65.0	229.31	235.29	241.27	247.26	253.24	259.22	265.20	271.19	277.17	283.15
67.5	173.98	179.42	184.87	190.32	195.77	201.22	206.67	212.11	217.56	223.01
70.0	128.61	133.38	138.15	142.92	147.69	152.47	157.24	162.01	166.78	171.55
72.5	93.59	97.48	101.38	105.27	109.17	113.06	116.96	120.85	124.75	128.64
75.0	66.04	69.05	72.06	75.08	78.09	81.10	84.11	87.13	90.14	93.15
77.5	44.52	46.71	48.90	51.09	53.27	55.46	57.65	59.84	62.03	64.22

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>80.0</b>	28.13	29.67	31.22	32.76	34.31	35.85	37.40	38.94	40.49	42.03
<b>82.5</b>	16.45	17.43	18.42	19.40	20.39	21.37	22.35	23.34	24.32	25.31
<b>85.0</b>	6.88	7.47	8.06	8.65	9.24	9.83	10.42	11.01	11.60	12.19
<b>87.5</b>	0.93	0.99	1.05	1.11	1.16	1.22	1.28	1.34	1.40	1.46
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>92.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>97.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>102.5</b>	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.00
<b>105.0</b>	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
<b>107.5</b>	0.11	0.16	0.22	0.27	0.32	0.37	0.43	0.48	0.53	0.59
<b>110.0</b>	0.11	0.17	0.22	0.28	0.33	0.39	0.44	0.50	0.55	0.61
<b>112.5</b>	0.14	0.19	0.24	0.30	0.35	0.40	0.45	0.51	0.56	0.61
<b>115.0</b>	0.33	0.36	0.38	0.41	0.43	0.46	0.48	0.51	0.53	0.56
<b>117.5</b>	0.45	0.46	0.47	0.48	0.50	0.51	0.52	0.53	0.55	0.56
<b>120.0</b>	0.50	0.51	0.52	0.54	0.55	0.56	0.57	0.59	0.60	0.61
<b>122.5</b>	0.61	0.62	0.63	0.65	0.66	0.67	0.68	0.70	0.71	0.72
<b>125.0</b>	0.83	0.84	0.85	0.87	0.88	0.89	0.90	0.92	0.93	0.94
<b>127.5</b>	0.89	0.90	0.91	0.92	0.93	0.93	0.94	0.95	0.96	0.97
<b>130.0</b>	1.06	1.07	1.07	1.08	1.08	1.09	1.09	1.10	1.10	1.11
<b>132.5</b>	1.17	1.18	1.19	1.20	1.21	1.22	1.23	1.24	1.25	1.26
<b>135.0</b>	1.28	1.29	1.30	1.32	1.33	1.34	1.35	1.37	1.38	1.39
<b>137.5</b>	1.28	1.30	1.32	1.34	1.36	1.39	1.41	1.43	1.45	1.47
<b>140.0</b>	1.33	1.36	1.39	1.42	1.45	1.49	1.52	1.55	1.58	1.61
<b>142.5</b>	1.39	1.43	1.46	1.50	1.54	1.57	1.61	1.65	1.68	1.72
<b>145.0</b>	1.78	1.77	1.77	1.76	1.75	1.75	1.74	1.73	1.73	1.72
<b>147.5</b>	2.03	2.01	1.99	1.96	1.94	1.92	1.90	1.87	1.85	1.83
<b>150.0</b>	2.11	2.10	2.09	2.07	2.06	2.05	2.04	2.02	2.01	2.00
<b>152.5</b>	2.11	2.10	2.10	2.09	2.08	2.08	2.07	2.06	2.06	2.05
<b>155.0</b>	2.17	2.17	2.17	2.17	2.17	2.16	2.16	2.16	2.16	2.16
<b>157.5</b>	2.06	2.07	2.07	2.08	2.08	2.09	2.09	2.10	2.10	2.11
<b>160.0</b>	2.06	2.08	2.11	2.13	2.16	2.18	2.21	2.23	2.26	2.28
<b>162.5</b>	2.06	2.09	2.12	2.15	2.18	2.21	2.24	2.27	2.30	2.34
<b>165.0</b>	2.06	2.09	2.12	2.15	2.18	2.21	2.24	2.27	2.30	2.33
<b>167.5</b>	2.34	2.37	2.40	2.43	2.46	2.49	2.52	2.55	2.58	2.61
<b>170.0</b>	2.67	2.69	2.72	2.74	2.77	2.79	2.82	2.84	2.87	2.89
<b>172.5</b>	2.87	2.89	2.91	2.94	2.96	2.98	3.01	3.03	3.06	3.08
<b>175.0</b>	2.72	2.76	2.81	2.85	2.89	2.94	2.98	3.02	3.07	3.11
<b>177.5</b>	2.56	2.61	2.66	2.72	2.77	2.82	2.87	2.92	2.97	3.03
<b>180.0</b>	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

**Vert.  
Angles**

**Horizontal Angles**

	<b><u>250.0</u></b>	<b><u>252.5</u></b>	<b><u>255.0</u></b>	<b><u>257.5</u></b>	<b><u>260.0</u></b>	<b><u>262.5</u></b>	<b><u>265.0</u></b>	<b><u>267.5</u></b>	<b><u>270.0</u></b>	<b><u>272.5</u></b>
<b>0.0</b>	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
<b>2.5</b>	1402.68	1403.27	1403.85	1404.44	1405.02	1405.60	1406.19	1406.77	1407.36	1407.07
<b>5.0</b>	1395.68	1396.88	1398.08	1399.28	1400.47	1401.67	1402.87	1404.07	1405.27	1404.37
<b>7.5</b>	1387.11	1388.50	1389.90	1391.29	1392.68	1394.08	1395.47	1396.86	1398.26	1396.70
<b>10.0</b>	1370.49	1372.16	1373.84	1375.51	1377.19	1378.86	1380.54	1382.21	1383.89	1382.36
<b>12.5</b>	1360.17	1361.03	1361.90	1362.76	1363.62	1364.48	1365.34	1366.20	1367.07	1366.61
<b>15.0</b>	1339.75	1341.97	1344.18	1346.40	1348.62	1350.84	1353.05	1355.27	1357.49	1357.34
<b>17.5</b>	1319.75	1322.80	1325.85	1328.89	1331.94	1334.99	1338.04	1341.09	1344.14	1344.60
<b>20.0</b>	1297.26	1300.71	1304.17	1307.63	1311.08	1314.54	1318.00	1321.45	1324.91	1325.28
<b>22.5</b>	1272.15	1275.62	1279.09	1282.56	1286.04	1289.51	1292.98	1296.45	1299.92	1300.61
<b>25.0</b>	1239.88	1243.97	1248.05	1252.14	1256.23	1260.32	1264.40	1268.49	1272.58	1273.34



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

27.5	1209.16	1213.63	1218.10	1222.57	1227.04	1231.51	1235.98	1240.45	1244.92	1246.25
30.0	1173.45	1178.43	1183.41	1188.39	1193.38	1198.36	1203.34	1208.32	1213.30	1215.39
32.5	1129.53	1135.06	1140.59	1146.12	1151.64	1157.17	1162.70	1168.23	1173.76	1176.83
35.0	1089.43	1094.92	1100.40	1105.89	1111.38	1116.87	1122.35	1127.84	1133.33	1136.81
37.5	1047.37	1052.55	1057.72	1062.90	1068.07	1073.25	1078.42	1083.60	1088.77	1092.45
40.0	1000.42	1005.39	1010.37	1015.34	1020.31	1025.28	1030.26	1035.23	1040.20	1044.54
42.5	943.66	949.15	954.64	960.13	965.62	971.11	976.59	982.08	987.57	992.69
45.0	886.33	891.52	896.70	901.89	907.08	912.27	917.45	922.64	927.83	934.26
47.5	827.43	832.45	837.48	842.50	847.52	852.55	857.57	862.59	867.62	873.73
50.0	758.14	763.33	768.51	773.70	778.88	784.07	789.25	794.44	799.62	806.19
52.5	683.85	689.50	695.15	700.80	706.45	712.10	717.75	723.40	729.05	735.66
55.0	603.99	610.16	616.32	622.49	628.66	634.83	640.99	647.16	653.33	660.02
57.5	517.08	523.55	530.02	536.49	542.96	549.43	555.90	562.37	568.84	575.95
60.0	433.44	439.54	445.65	451.76	457.86	463.97	470.08	476.18	482.29	488.99
62.5	357.19	363.17	369.16	375.14	381.12	387.10	393.09	399.07	405.05	411.06
65.0	288.67	294.20	299.72	305.25	310.77	316.30	321.82	327.35	332.87	338.07
67.5	227.93	232.85	237.77	242.68	247.60	252.52	257.44	262.36	267.28	271.57
70.0	175.81	180.07	184.34	188.60	192.86	197.12	201.39	205.65	209.91	213.16
72.5	132.07	135.50	138.93	142.36	145.78	149.21	152.64	156.07	159.50	161.89
75.0	95.77	98.39	101.00	103.62	106.24	108.86	111.47	114.09	116.71	118.34
77.5	66.14	68.06	69.99	71.91	73.83	75.76	77.68	79.60	81.53	82.56
80.0	43.34	44.66	45.97	47.29	48.60	49.92	51.23	52.55	53.86	54.37
82.5	26.22	27.14	28.06	28.98	29.90	30.82	31.74	32.66	33.58	33.76
85.0	12.81	13.44	14.06	14.68	15.31	15.93	16.55	17.18	17.80	17.76
87.5	1.67	1.89	2.10	2.32	2.53	2.75	2.96	3.18	3.40	3.39
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.10	0.09	0.07	0.06	0.05	0.04	0.02	0.01	0.00	0.00
107.5	0.52	0.46	0.39	0.33	0.26	0.20	0.13	0.07	0.00	0.00
110.0	0.60	0.60	0.59	0.58	0.58	0.57	0.56	0.56	0.55	0.54
112.5	0.68	0.76	0.83	0.90	0.98	1.05	1.12	1.20	1.27	1.21
115.0	0.65	0.73	0.82	0.90	0.99	1.07	1.16	1.24	1.33	1.26
117.5	0.65	0.75	0.84	0.94	1.03	1.12	1.22	1.31	1.41	1.33
120.0	0.69	0.77	0.85	0.93	1.01	1.09	1.17	1.25	1.33	1.27
122.5	0.75	0.78	0.81	0.84	0.88	0.91	0.94	0.97	1.00	0.97
125.0	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.86
127.5	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.94	0.90
130.0	1.10	1.09	1.07	1.06	1.05	1.04	1.02	1.01	1.00	0.96
132.5	1.27	1.28	1.29	1.30	1.31	1.32	1.33	1.34	1.36	1.29
135.0	1.39	1.39	1.39	1.39	1.38	1.38	1.38	1.38	1.38	1.32
137.5	1.47	1.47	1.48	1.48	1.48	1.48	1.49	1.49	1.49	1.43
140.0	1.60	1.58	1.57	1.56	1.54	1.53	1.52	1.50	1.49	1.44
142.5	1.69	1.67	1.64	1.62	1.59	1.57	1.54	1.52	1.49	1.44
145.0	1.69	1.67	1.64	1.62	1.59	1.57	1.54	1.52	1.49	1.45
147.5	1.80	1.77	1.75	1.72	1.69	1.66	1.63	1.60	1.58	1.53
150.0	1.96	1.92	1.89	1.85	1.81	1.77	1.74	1.70	1.66	1.60
152.5	2.00	1.95	1.90	1.85	1.80	1.75	1.70	1.65	1.60	1.56
155.0	2.10	2.04	1.97	1.91	1.85	1.79	1.72	1.66	1.60	1.57
157.5	2.05	2.00	1.94	1.88	1.83	1.77	1.71	1.66	1.60	1.58
160.0	2.20	2.13	2.05	1.98	1.90	1.83	1.75	1.68	1.60	1.58
162.5	2.26	2.19	2.12	2.05	1.97	1.90	1.83	1.76	1.69	1.67
165.0	2.27	2.22	2.16	2.10	2.05	1.99	1.93	1.88	1.82	1.81

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.5</b>	2.54	2.46	2.39	2.31	2.24	2.16	2.09	2.01	1.94	1.93
<b>170.0</b>	2.80	2.71	2.63	2.54	2.45	2.36	2.28	2.19	2.10	2.10
<b>172.5</b>	2.98	2.88	2.77	2.67	2.57	2.47	2.36	2.26	2.16	2.16
<b>175.0</b>	3.02	2.92	2.83	2.73	2.64	2.54	2.45	2.35	2.26	2.25
<b>177.5</b>	2.94	2.86	2.77	2.69	2.60	2.52	2.43	2.35	2.27	2.28
<b>180.0</b>	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>275.0</b>	<b>277.5</b>	<b>280.0</b>	<b>282.5</b>	<b>285.0</b>	<b>287.5</b>	<b>290.0</b>	<b>292.5</b>	<b>295.0</b>	<b>297.5</b>
<b>0.0</b>	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
<b>2.5</b>	1406.79	1406.51	1406.22	1405.94	1405.66	1405.38	1405.09	1404.81	1405.86	1406.91
<b>5.0</b>	1403.47	1402.56	1401.66	1400.76	1399.86	1398.95	1398.05	1397.15	1398.96	1400.76
<b>7.5</b>	1395.14	1393.58	1392.02	1390.46	1388.90	1387.34	1385.78	1384.22	1386.89	1389.57
<b>10.0</b>	1380.83	1379.30	1377.77	1376.23	1374.70	1373.17	1371.64	1370.11	1374.46	1378.81
<b>12.5</b>	1366.16	1365.70	1365.25	1364.80	1364.34	1363.89	1363.43	1362.98	1367.63	1372.28
<b>15.0</b>	1357.19	1357.04	1356.89	1356.73	1356.58	1356.43	1356.28	1356.13	1359.99	1363.84
<b>17.5</b>	1345.06	1345.52	1345.98	1346.44	1346.90	1347.36	1347.82	1348.28	1351.16	1354.04
<b>20.0</b>	1325.65	1326.02	1326.39	1326.76	1327.13	1327.50	1327.87	1328.24	1330.79	1333.34
<b>22.5</b>	1301.31	1302.00	1302.69	1303.39	1304.08	1304.77	1305.47	1306.16	1309.04	1311.92
<b>25.0</b>	1274.09	1274.85	1275.61	1276.36	1277.12	1277.88	1278.63	1279.39	1283.78	1288.16
<b>27.5</b>	1247.59	1248.92	1250.25	1251.58	1252.92	1254.25	1255.58	1256.92	1261.67	1266.43
<b>30.0</b>	1217.49	1219.58	1221.67	1223.77	1225.86	1227.95	1230.05	1232.14	1236.78	1241.42
<b>32.5</b>	1179.90	1182.98	1186.05	1189.12	1192.19	1195.27	1198.34	1201.41	1205.50	1209.59
<b>35.0</b>	1140.29	1143.77	1147.25	1150.72	1154.20	1157.68	1161.16	1164.64	1168.62	1172.60
<b>37.5</b>	1096.14	1099.82	1103.50	1107.18	1110.87	1114.55	1118.23	1121.92	1126.57	1131.23
<b>40.0</b>	1048.88	1053.22	1057.56	1061.89	1066.23	1070.57	1074.91	1079.25	1084.37	1089.49
<b>42.5</b>	997.82	1002.94	1008.07	1013.19	1018.32	1023.44	1028.57	1033.69	1039.50	1045.31
<b>45.0</b>	940.69	947.11	953.54	959.97	966.40	972.82	979.25	985.68	991.36	997.05
<b>47.5</b>	879.85	885.97	892.08	898.20	904.32	910.44	916.55	922.67	929.59	936.51
<b>50.0</b>	812.76	819.32	825.89	832.46	839.03	845.59	852.16	858.73	866.27	873.80
<b>52.5</b>	742.28	748.89	755.51	762.12	768.74	775.35	781.97	788.58	796.59	804.60
<b>55.0</b>	666.71	673.39	680.08	686.77	693.46	700.14	706.83	713.52	721.19	728.87
<b>57.5</b>	583.06	590.18	597.29	604.40	611.51	618.63	625.74	632.85	639.38	645.92
<b>60.0</b>	495.69	502.39	509.09	515.79	522.49	529.19	535.89	542.59	548.33	554.08
<b>62.5</b>	417.07	423.08	429.09	435.09	441.10	447.11	453.12	459.13	462.75	466.38
<b>65.0</b>	343.27	348.47	353.67	358.86	364.06	369.26	374.46	379.66	380.88	382.10
<b>67.5</b>	275.87	280.17	284.47	288.77	293.07	297.36	301.66	305.96	305.96	305.95
<b>70.0</b>	216.41	219.67	222.92	226.17	229.42	232.68	235.93	239.18	238.58	237.97
<b>72.5</b>	164.28	166.67	169.06	171.45	173.84	176.23	178.62	181.01	180.11	179.20
<b>75.0</b>	119.98	121.61	123.25	124.88	126.52	128.15	129.79	131.42	130.36	129.31
<b>77.5</b>	83.60	84.63	85.67	86.70	87.74	88.77	89.81	90.84	89.87	88.91
<b>80.0</b>	54.88	55.39	55.90	56.40	56.91	57.42	57.93	58.44	57.60	56.76
<b>82.5</b>	33.94	34.12	34.30	34.48	34.66	34.84	35.02	35.20	34.30	33.40
<b>85.0</b>	17.72	17.68	17.64	17.59	17.55	17.51	17.47	17.43	16.65	15.88
<b>87.5</b>	3.38	3.38	3.37	3.36	3.36	3.35	3.34	3.34	3.04	2.74
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>92.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>97.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>102.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>107.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>110.0</b>	0.54	0.53	0.52	0.52	0.51	0.50	0.50	0.49	0.44	0.38
<b>112.5</b>	1.15	1.08	1.02	0.96	0.90	0.83	0.77	0.71	0.63	0.55

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

115.0	1.19	1.12	1.05	0.99	0.92	0.85	0.78	0.71	0.64	0.58
117.5	1.26	1.19	1.12	1.05	0.98	0.91	0.84	0.77	0.70	0.62
120.0	1.21	1.14	1.08	1.02	0.96	0.89	0.83	0.77	0.70	0.62
122.5	0.93	0.90	0.86	0.83	0.79	0.76	0.72	0.69	0.63	0.56
125.0	0.83	0.81	0.78	0.76	0.73	0.71	0.68	0.66	0.61	0.56
127.5	0.87	0.84	0.81	0.78	0.75	0.72	0.69	0.66	0.61	0.56
130.0	0.92	0.89	0.85	0.81	0.77	0.74	0.70	0.66	0.62	0.58
132.5	1.23	1.17	1.11	1.04	0.98	0.92	0.86	0.80	0.74	0.69
135.0	1.27	1.21	1.16	1.10	1.05	0.99	0.94	0.88	0.83	0.77
137.5	1.38	1.32	1.27	1.21	1.15	1.10	1.04	0.99	0.93	0.87
140.0	1.39	1.34	1.29	1.25	1.20	1.15	1.10	1.05	0.98	0.91
142.5	1.39	1.34	1.29	1.24	1.19	1.14	1.09	1.04	1.00	0.97
145.0	1.40	1.36	1.32	1.27	1.23	1.19	1.14	1.10	1.09	1.08
147.5	1.48	1.43	1.38	1.33	1.28	1.23	1.18	1.13	1.15	1.17
150.0	1.55	1.49	1.43	1.38	1.32	1.26	1.21	1.15	1.17	1.19
152.5	1.52	1.48	1.44	1.40	1.36	1.32	1.28	1.24	1.27	1.30
155.0	1.55	1.52	1.50	1.47	1.45	1.42	1.40	1.37	1.40	1.44
157.5	1.56	1.54	1.52	1.51	1.49	1.47	1.45	1.43	1.46	1.49
160.0	1.56	1.54	1.52	1.51	1.49	1.47	1.45	1.43	1.47	1.51
162.5	1.65	1.64	1.62	1.60	1.59	1.57	1.56	1.54	1.58	1.62
165.0	1.79	1.78	1.77	1.75	1.74	1.73	1.71	1.70	1.75	1.79
167.5	1.92	1.91	1.90	1.90	1.89	1.88	1.87	1.87	1.90	1.93
170.0	2.11	2.11	2.12	2.12	2.13	2.13	2.14	2.14	2.16	2.18
172.5	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.17	2.21	2.25
175.0	2.25	2.24	2.23	2.23	2.22	2.21	2.21	2.20	2.25	2.30
177.5	2.29	2.30	2.31	2.32	2.33	2.34	2.35	2.36	2.39	2.42
180.0	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

**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	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
2.5	1407.96	1409.01	1410.06	1411.11	1412.16	1413.21	1414.26	1414.00	1413.74	1413.47
5.0	1402.57	1404.37	1406.18	1407.98	1409.79	1411.59	1413.40	1413.07	1412.73	1412.40
7.5	1392.25	1394.93	1397.60	1400.28	1402.96	1405.64	1408.32	1408.64	1408.96	1409.28
10.0	1383.15	1387.50	1391.85	1396.20	1400.54	1404.89	1409.24	1409.81	1410.39	1410.96
12.5	1376.93	1381.57	1386.22	1390.87	1395.52	1400.17	1404.82	1405.19	1405.57	1405.95
15.0	1367.70	1371.56	1375.41	1379.27	1383.13	1386.98	1390.84	1391.92	1393.01	1394.09
17.5	1356.92	1359.80	1362.68	1365.56	1368.44	1371.32	1374.20	1375.61	1377.03	1378.44
20.0	1335.89	1338.44	1341.00	1343.55	1346.10	1348.65	1351.20	1353.54	1355.87	1358.21
22.5	1314.81	1317.69	1320.57	1323.45	1326.34	1329.22	1332.10	1334.15	1336.20	1338.25
25.0	1292.55	1296.93	1301.32	1305.70	1310.09	1314.47	1318.86	1320.07	1321.29	1322.50
27.5	1271.19	1275.95	1280.70	1285.46	1290.22	1294.98	1299.74	1300.48	1301.22	1301.96
30.0	1246.06	1250.70	1255.33	1259.97	1264.61	1269.25	1273.89	1274.68	1275.47	1276.26
32.5	1213.68	1217.76	1221.85	1225.94	1230.03	1234.12	1238.21	1239.67	1241.13	1242.59
35.0	1176.57	1180.55	1184.53	1188.51	1192.48	1196.46	1200.44	1202.33	1204.22	1206.11
37.5	1135.89	1140.55	1145.21	1149.87	1154.53	1159.19	1163.85	1165.96	1168.07	1170.19
40.0	1094.61	1099.73	1104.86	1109.98	1115.10	1120.22	1125.34	1128.11	1130.89	1133.66
42.5	1051.13	1056.94	1062.75	1068.56	1074.38	1080.19	1086.00	1088.59	1091.18	1093.77
45.0	1002.73	1008.41	1014.10	1019.78	1025.46	1031.15	1036.83	1040.03	1043.23	1046.44
47.5	943.44	950.36	957.28	964.20	971.13	978.05	984.97	988.27	991.58	994.88
50.0	881.34	888.87	896.41	903.94	911.48	919.01	926.55	929.45	932.36	935.26
52.5	812.61	820.62	828.63	836.64	844.65	852.66	860.68	862.99	865.31	867.62
55.0	736.54	744.22	751.89	759.57	767.24	774.92	782.59	783.73	784.88	786.02
57.5	652.45	658.99	665.52	672.06	678.59	685.13	691.66	691.69	691.71	691.74
60.0	559.82	565.57	571.31	577.06	582.80	588.55	594.29	593.08	591.86	590.65

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

62.5	470.00	473.63	477.25	480.87	484.50	488.12	491.75	490.68	489.61	488.54
65.0	383.33	384.55	385.77	386.99	388.22	389.44	390.66	390.87	391.08	391.29
67.5	305.95	305.94	305.94	305.93	305.93	305.92	305.92	306.13	306.34	306.55
70.0	237.37	236.76	236.16	235.55	234.95	234.34	233.74	233.57	233.40	233.23
72.5	178.30	177.39	176.49	175.58	174.68	173.77	172.87	172.39	171.92	171.45
75.0	128.25	127.19	126.14	125.08	124.02	122.97	121.91	121.32	120.74	120.15
77.5	87.94	86.97	86.01	85.04	84.07	83.11	82.14	81.39	80.65	79.90
80.0	55.93	55.09	54.25	53.41	52.58	51.74	50.90	50.01	49.11	48.22
82.5	32.51	31.61	30.71	29.81	28.91	28.01	27.12	26.26	25.41	24.56
85.0	15.10	14.33	13.55	12.78	12.00	11.23	10.45	9.83	9.21	8.59
87.5	2.45	2.15	1.85	1.56	1.26	0.97	0.67	0.63	0.60	0.56
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.33	0.27	0.22	0.16	0.11	0.05	0.00	0.00	0.00	0.00
112.5	0.47	0.39	0.32	0.24	0.16	0.08	0.00	0.00	0.00	0.00
115.0	0.51	0.44	0.38	0.31	0.24	0.18	0.11	0.10	0.09	0.07
117.5	0.55	0.48	0.40	0.33	0.26	0.18	0.11	0.10	0.09	0.07
120.0	0.55	0.48	0.40	0.33	0.26	0.18	0.11	0.10	0.09	0.07
122.5	0.50	0.43	0.37	0.30	0.24	0.17	0.11	0.10	0.09	0.07
125.0	0.51	0.46	0.42	0.37	0.32	0.27	0.22	0.21	0.20	0.18
127.5	0.51	0.45	0.40	0.35	0.30	0.25	0.20	0.20	0.21	0.22
130.0	0.53	0.49	0.45	0.41	0.36	0.32	0.28	0.30	0.32	0.33
132.5	0.64	0.59	0.54	0.49	0.43	0.38	0.33	0.34	0.34	0.35
135.0	0.72	0.66	0.61	0.55	0.50	0.44	0.39	0.41	0.43	0.45
137.5	0.81	0.76	0.70	0.64	0.58	0.53	0.47	0.49	0.51	0.54
140.0	0.85	0.78	0.71	0.64	0.58	0.51	0.44	0.48	0.53	0.57
142.5	0.93	0.90	0.86	0.83	0.79	0.76	0.72	0.76	0.80	0.84
145.0	1.07	1.06	1.04	1.03	1.02	1.01	1.00	1.02	1.05	1.07
147.5	1.19	1.21	1.23	1.25	1.27	1.29	1.31	1.30	1.30	1.30
150.0	1.21	1.23	1.25	1.27	1.29	1.31	1.33	1.32	1.32	1.31
152.5	1.33	1.37	1.40	1.43	1.46	1.50	1.53	1.52	1.51	1.49
155.0	1.47	1.50	1.54	1.57	1.60	1.64	1.67	1.65	1.62	1.60
157.5	1.53	1.56	1.59	1.62	1.66	1.69	1.72	1.71	1.70	1.69
160.0	1.55	1.59	1.62	1.66	1.70	1.74	1.78	1.76	1.74	1.72
162.5	1.67	1.71	1.75	1.79	1.83	1.87	1.92	1.89	1.87	1.84
165.0	1.84	1.88	1.93	1.97	2.02	2.06	2.11	2.07	2.03	1.98
167.5	1.97	2.00	2.03	2.07	2.10	2.13	2.17	2.13	2.10	2.07
170.0	2.20	2.22	2.25	2.27	2.29	2.31	2.33	2.31	2.29	2.28
172.5	2.30	2.34	2.38	2.43	2.47	2.51	2.56	2.46	2.37	2.27
175.0	2.35	2.40	2.46	2.51	2.56	2.61	2.66	2.62	2.57	2.53
177.5	2.44	2.47	2.50	2.53	2.55	2.58	2.61	2.58	2.55	2.52
180.0	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

**Vert. Horizontal Angles**  
**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	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52	1409.52
2.5	1413.21	1412.95	1412.69	1412.42	1412.16	1411.90	1412.07	1412.23	1412.40	1412.56
5.0	1412.06	1411.73	1411.39	1411.06	1410.72	1410.39	1410.90	1411.40	1411.91	1412.41
7.5	1409.60	1409.92	1410.24	1410.56	1410.88	1411.21	1412.02	1412.84	1413.66	1414.47

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

10.0	1411.53	1412.11	1412.68	1413.25	1413.83	1414.40	1414.74	1415.07	1415.41	1415.75
12.5	1406.33	1406.71	1407.09	1407.47	1407.85	1408.23	1408.77	1409.32	1409.86	1410.41
15.0	1395.18	1396.26	1397.35	1398.43	1399.52	1400.60	1401.05	1401.50	1401.95	1402.40
17.5	1379.86	1381.28	1382.69	1384.11	1385.52	1386.94	1387.18	1387.43	1387.67	1387.92
20.0	1360.54	1362.88	1365.21	1367.55	1369.88	1372.22	1372.13	1372.05	1371.96	1371.87
22.5	1340.30	1342.35	1344.40	1346.45	1348.50	1350.55	1351.35	1352.15	1352.95	1353.75
25.0	1323.72	1324.93	1326.15	1327.36	1328.58	1329.79	1331.25	1332.71	1334.17	1335.63
27.5	1302.70	1303.45	1304.19	1304.93	1305.67	1306.42	1307.70	1308.99	1310.27	1311.56
30.0	1277.05	1277.84	1278.63	1279.42	1280.21	1281.00	1281.68	1282.37	1283.05	1283.74
32.5	1244.05	1245.51	1246.98	1248.44	1249.90	1251.36	1252.45	1253.54	1254.63	1255.71
35.0	1208.00	1209.89	1211.78	1213.67	1215.56	1217.45	1219.16	1220.87	1222.59	1224.30
37.5	1172.30	1174.41	1176.53	1178.64	1180.76	1182.87	1185.02	1187.17	1189.32	1191.47
40.0	1136.43	1139.21	1141.98	1144.75	1147.53	1150.30	1152.19	1154.09	1155.98	1157.88
42.5	1096.35	1098.94	1101.53	1104.12	1106.71	1109.30	1111.16	1113.03	1114.90	1116.76
45.0	1049.64	1052.84	1056.04	1059.25	1062.45	1065.65	1067.52	1069.39	1071.26	1073.13
47.5	998.19	1001.49	1004.79	1008.10	1011.40	1014.71	1015.76	1016.82	1017.88	1018.94
50.0	938.17	941.07	943.98	946.88	949.79	952.69	952.88	953.07	953.26	953.45
52.5	869.94	872.25	874.57	876.88	879.20	881.51	879.99	878.47	876.95	875.43
55.0	787.16	788.31	789.45	790.59	791.74	792.88	790.88	788.88	786.89	784.89
57.5	691.76	691.79	691.81	691.84	691.86	691.89	689.68	687.47	685.25	683.04
60.0	589.44	588.22	587.01	585.80	584.58	583.37	582.58	581.78	580.99	580.20
62.5	487.47	486.40	485.33	484.26	483.19	482.13	481.76	481.40	481.04	480.68
65.0	391.50	391.70	391.91	392.12	392.33	392.54	392.21	391.87	391.54	391.21
67.5	306.76	306.97	307.18	307.39	307.60	307.81	307.53	307.26	306.99	306.72
70.0	233.06	232.88	232.71	232.54	232.37	232.20	231.94	231.68	231.42	231.16
72.5	170.98	170.51	170.04	169.57	169.10	168.63	168.31	167.99	167.67	167.35
75.0	119.57	118.98	118.40	117.81	117.23	116.64	116.26	115.89	115.51	115.13
77.5	79.15	78.41	77.66	76.91	76.17	75.42	75.11	74.80	74.49	74.17
80.0	47.32	46.43	45.53	44.64	43.74	42.85	42.55	42.24	41.94	41.64
82.5	23.71	22.86	22.01	21.16	20.31	19.46	19.21	18.96	18.72	18.47
85.0	7.97	7.36	6.74	6.12	5.50	4.88	4.75	4.62	4.48	4.35
87.5	0.52	0.48	0.45	0.41	0.37	0.34	0.33	0.32	0.32	0.31
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.06	0.05	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00
117.5	0.06	0.05	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00
120.0	0.06	0.05	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00
122.5	0.06	0.05	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00
125.0	0.17	0.16	0.15	0.13	0.12	0.11	0.11	0.11	0.11	0.11
127.5	0.23	0.24	0.25	0.26	0.27	0.28	0.28	0.29	0.29	0.29
130.0	0.35	0.37	0.39	0.40	0.42	0.44	0.44	0.44	0.44	0.44
132.5	0.36	0.36	0.37	0.38	0.38	0.39	0.40	0.40	0.41	0.42
135.0	0.47	0.48	0.50	0.52	0.54	0.56	0.56	0.56	0.56	0.56
137.5	0.56	0.58	0.60	0.62	0.64	0.67	0.66	0.65	0.65	0.64
140.0	0.61	0.66	0.70	0.74	0.79	0.83	0.82	0.81	0.79	0.78
142.5	0.88	0.92	0.96	1.00	1.04	1.09	1.06	1.04	1.02	1.00
145.0	1.10	1.12	1.15	1.17	1.20	1.22	1.20	1.17	1.15	1.12
147.5	1.29	1.29	1.29	1.29	1.28	1.28	1.28	1.28	1.28	1.28

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

150.0	1.31	1.30	1.30	1.29	1.29	1.28	1.28	1.28	1.28	1.28
152.5	1.48	1.47	1.46	1.44	1.43	1.42	1.42	1.42	1.42	1.42
155.0	1.57	1.55	1.52	1.50	1.47	1.45	1.46	1.46	1.47	1.48
157.5	1.67	1.66	1.65	1.64	1.63	1.62	1.60	1.59	1.58	1.57
160.0	1.70	1.69	1.67	1.65	1.63	1.61	1.60	1.59	1.58	1.57
162.5	1.82	1.79	1.77	1.74	1.72	1.70	1.68	1.67	1.65	1.64
165.0	1.94	1.90	1.86	1.81	1.77	1.73	1.74	1.74	1.75	1.76
167.5	2.03	2.00	1.97	1.93	1.90	1.87	1.86	1.86	1.86	1.86
170.0	2.26	2.24	2.22	2.21	2.19	2.17	2.18	2.19	2.21	2.22
172.5	2.18	2.09	1.99	1.90	1.80	1.71	1.80	1.89	1.99	2.08
175.0	2.48	2.44	2.39	2.35	2.30	2.26	2.30	2.34	2.38	2.42
177.5	2.49	2.46	2.43	2.40	2.37	2.34	2.37	2.40	2.43	2.46
180.0	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

**Vert. Angles**      **Horizontal Angles**

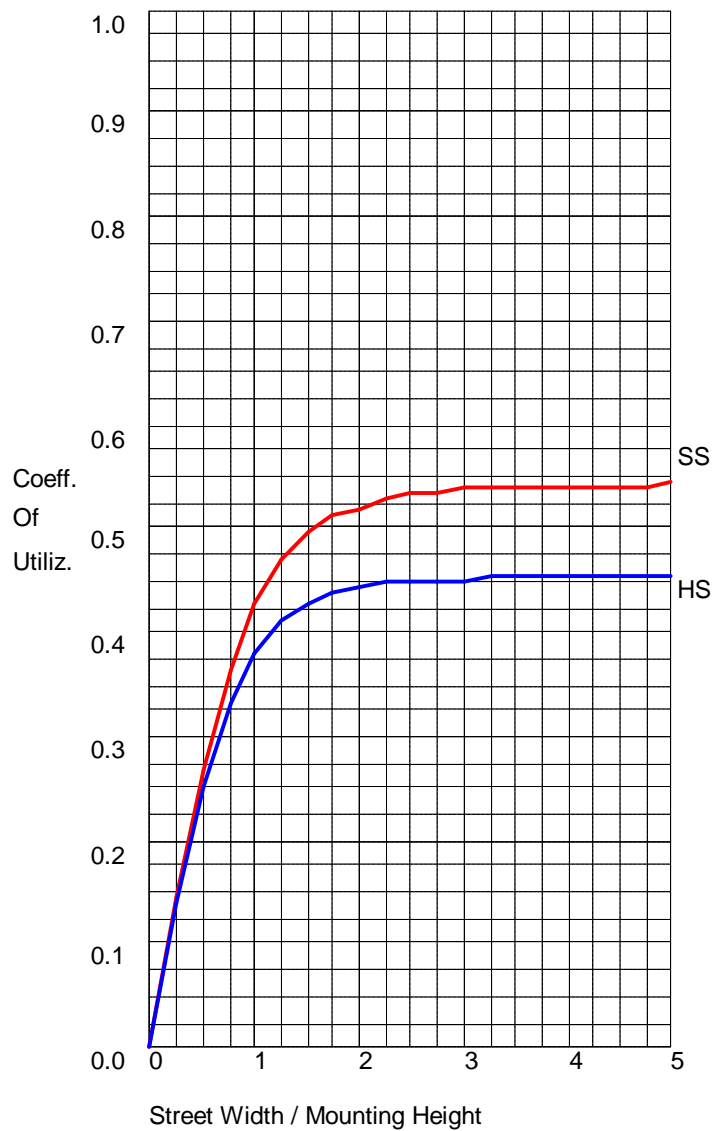
	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	1409.52	1409.52	1409.52	1409.52	1409.52
2.5	1412.73	1412.89	1413.06	1413.22	1413.39
5.0	1412.92	1413.42	1413.93	1414.43	1414.94
7.5	1415.29	1416.11	1416.92	1417.74	1418.56
10.0	1416.08	1416.42	1416.76	1417.09	1417.43
12.5	1410.95	1411.50	1412.04	1412.59	1413.13
15.0	1402.84	1403.29	1403.74	1404.19	1404.64
17.5	1388.16	1388.40	1388.65	1388.89	1389.14
20.0	1371.79	1371.70	1371.61	1371.53	1371.44
22.5	1354.54	1355.34	1356.14	1356.94	1357.74
25.0	1337.08	1338.54	1340.00	1341.46	1342.92
27.5	1312.84	1314.13	1315.41	1316.70	1317.98
30.0	1284.42	1285.11	1285.79	1286.48	1287.16
32.5	1256.80	1257.89	1258.98	1260.07	1261.16
35.0	1226.01	1227.72	1229.44	1231.15	1232.86
37.5	1193.62	1195.77	1197.92	1200.07	1202.22
40.0	1159.77	1161.67	1163.56	1165.46	1167.35
42.5	1118.63	1120.50	1122.36	1124.23	1126.10
45.0	1074.99	1076.86	1078.73	1080.60	1082.47
47.5	1020.00	1021.06	1022.11	1023.17	1024.23
50.0	953.63	953.82	954.01	954.20	954.39
52.5	873.90	872.38	870.86	869.34	867.82
55.0	782.89	780.89	778.90	776.90	774.90
57.5	680.83	678.62	676.40	674.19	671.98
60.0	579.40	578.61	577.82	577.02	576.23
62.5	480.32	479.96	479.60	479.24	478.88
65.0	390.87	390.54	390.21	389.87	389.54
67.5	306.44	306.17	305.90	305.63	305.36
70.0	230.90	230.64	230.38	230.12	229.86
72.5	167.04	166.72	166.40	166.08	165.76
75.0	114.76	114.38	114.00	113.63	113.25
77.5	73.86	73.55	73.24	72.93	72.62
80.0	41.33	41.03	40.73	40.42	40.12
82.5	18.22	17.97	17.72	17.47	17.23
85.0	4.22	4.09	3.95	3.82	3.69
87.5	0.30	0.30	0.29	0.29	0.28
90.0	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SFCM-WB-LED-PL-40.IES**

**CANDELA TABULATION - (Cont.)**

97.5	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00
125.0	0.11	0.11	0.11	0.11	0.11
127.5	0.29	0.30	0.30	0.30	0.31
130.0	0.45	0.45	0.45	0.45	0.45
132.5	0.42	0.43	0.44	0.44	0.45
135.0	0.56	0.56	0.56	0.56	0.56
137.5	0.64	0.63	0.63	0.62	0.62
140.0	0.77	0.76	0.74	0.73	0.72
142.5	0.98	0.96	0.93	0.91	0.89
145.0	1.10	1.07	1.05	1.02	1.00
147.5	1.28	1.28	1.28	1.28	1.29
150.0	1.28	1.28	1.28	1.28	1.28
152.5	1.42	1.42	1.42	1.42	1.43
155.0	1.48	1.49	1.50	1.50	1.51
157.5	1.56	1.55	1.53	1.52	1.51
160.0	1.55	1.54	1.53	1.52	1.51
162.5	1.62	1.61	1.59	1.58	1.57
165.0	1.76	1.77	1.78	1.78	1.79
167.5	1.85	1.85	1.85	1.85	1.85
170.0	2.23	2.24	2.26	2.27	2.28
172.5	2.17	2.26	2.36	2.45	2.54
175.0	2.46	2.50	2.54	2.58	2.62
177.5	2.50	2.53	2.56	2.59	2.62
180.0	2.00	2.00	2.00	2.00	2.00

COEFFICIENTS OF UTILIZATION

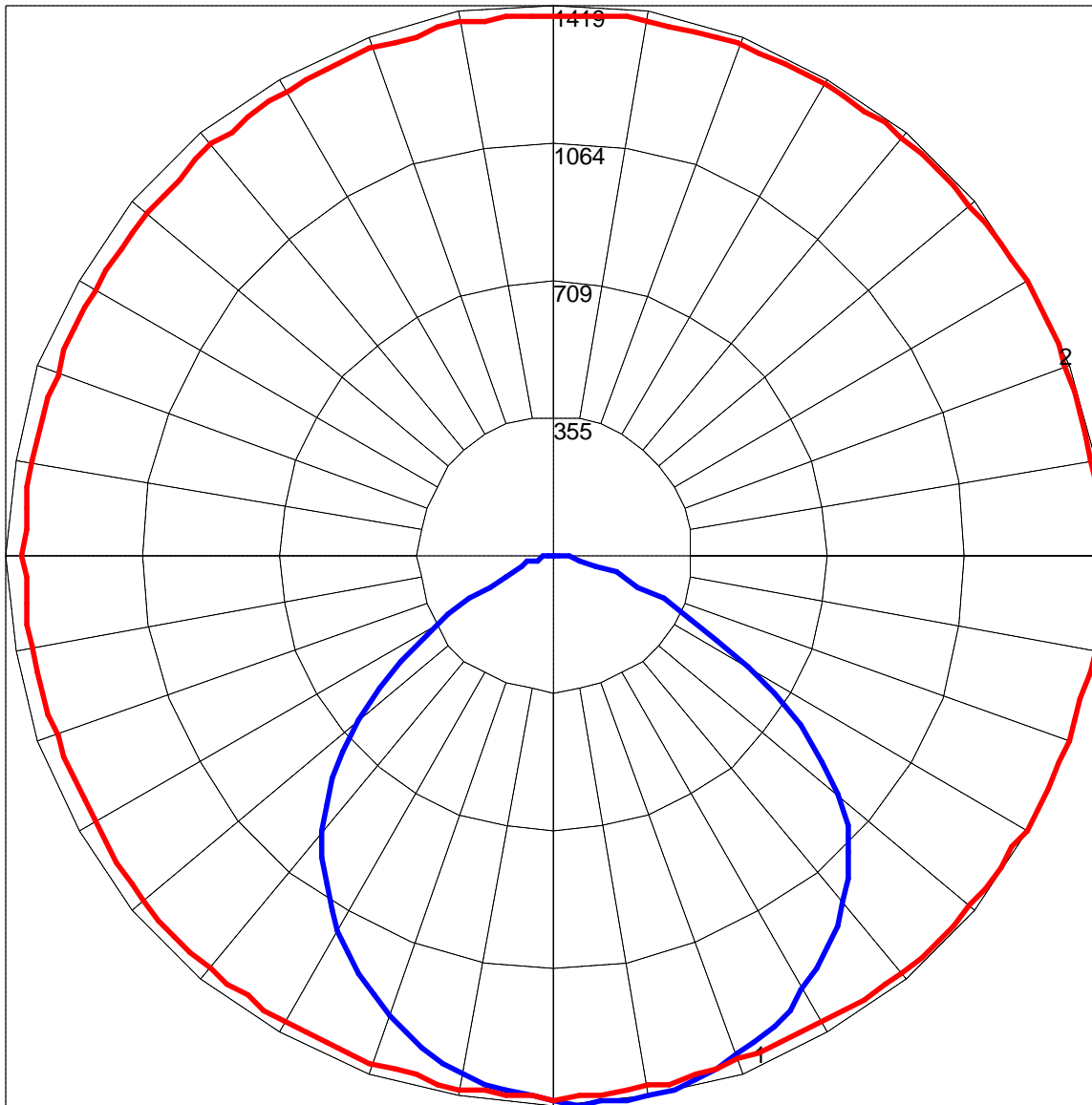


FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1934.3	54.4
Downward House Side	1617.2	45.5
Downward Total	3551.5	99.9
Upward Street Side	1.7	0.0
Upward House Side	2.8	0.1
Upward Total	4.5	0.1
Total Flux	3556.0	100.0

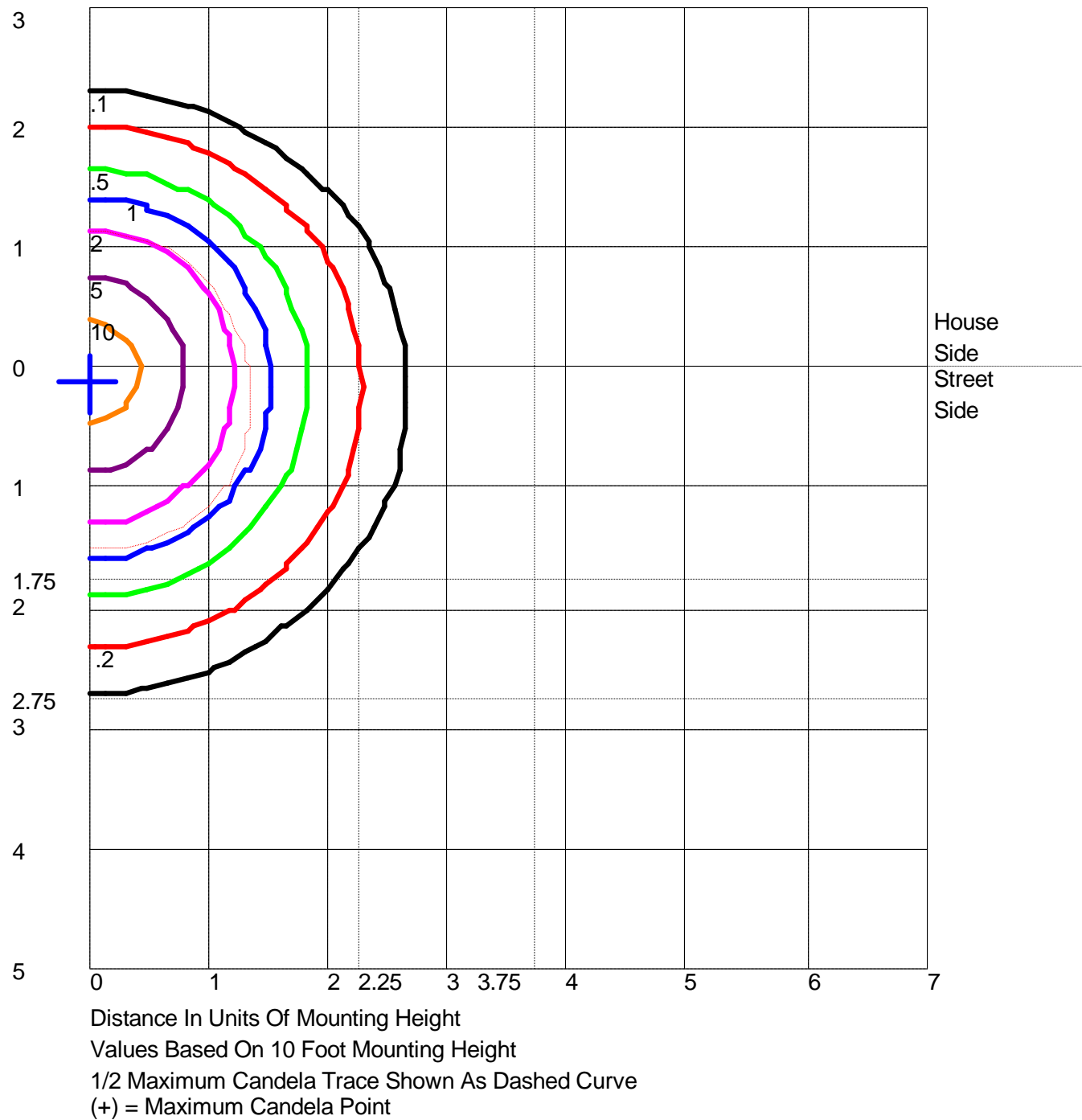


POLAR GRAPH

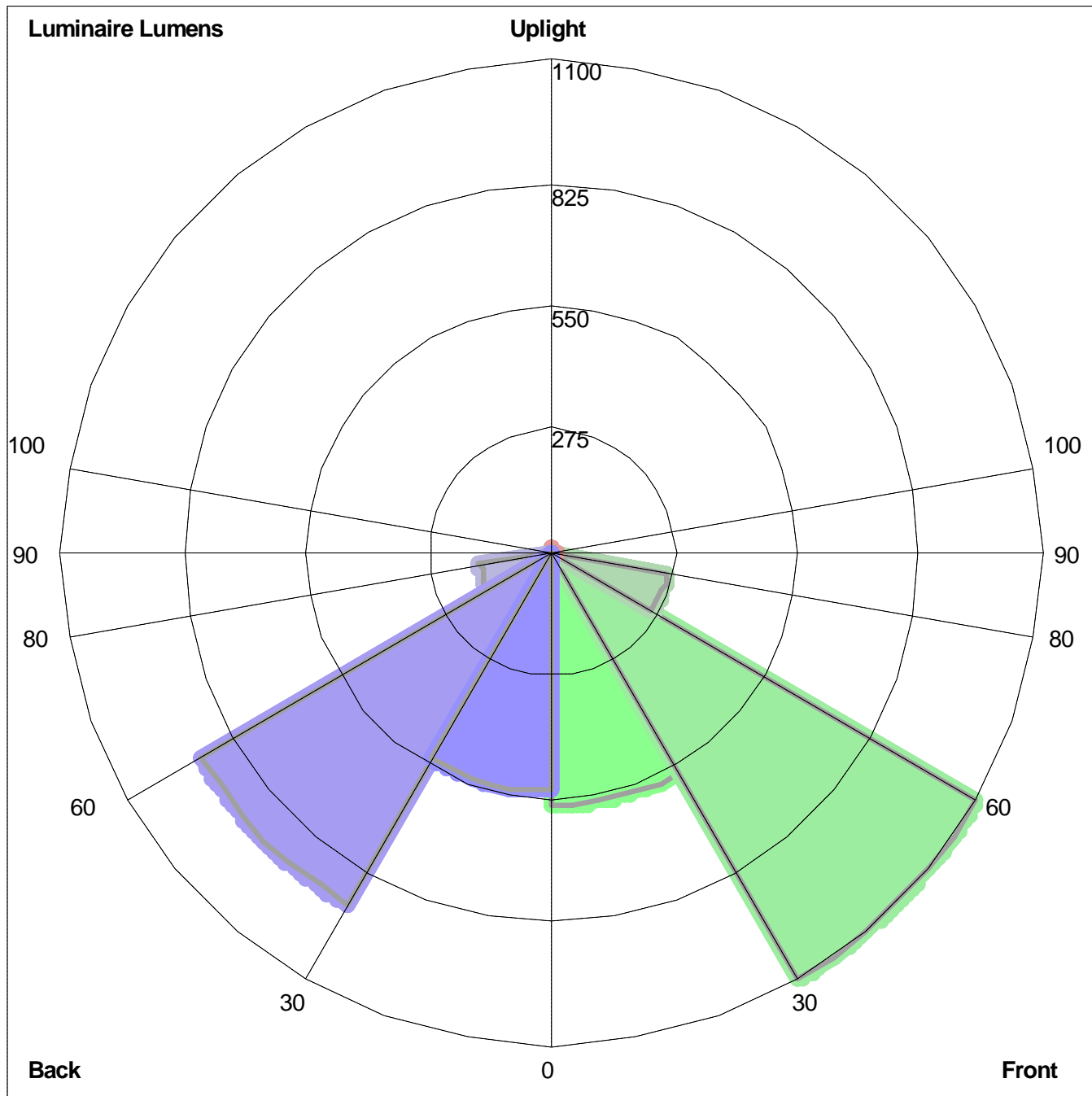


Maximum Candela = 1418.56 Located At Horizontal Angle = 360, Vertical Angle = 7.5  
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=565.3, Medium=1099.9, High=259.9, Very High=9.2  
Back: Low=533.9, Medium=911.1, High=165.8, Very High=6.3  
Uplight: Low=0.0, High=4.5

BUG Rating : B2-U1-G1