



IES FLOOD REPORT

PHOTOMETRIC FILENAME : TSFL-LED-03L-W-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3526

[TESTLAB] TUV SUD America

[TESTDATE] 9/18/2018 12:44:38 PM

[ISSUEDATE] 01/07/2019

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] TSFL-LED-03L-W-50

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	7 H x 7 V
Maximum Candela	1374.863
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	105.5
Vertical Beam Angle (50%)	98.1
Horizontal Field Angle (10%)	141.5
Vertical Field Angle (10%)	135.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2561
Beam Efficiency	N.A.
Field Lumens	3190
Field Efficiency	N.A.
Spill Lumens	80
Luminaire Lumens	3269
Total Efficiency	N.A.
Total Luminaire Watts	27.56
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	1.435
85	.484	85	3.232
75	33.578	75	36.663
65	278.638	65	171.997
55	616.032	55	450.477
47.5	856.692	47.5	749.788
42.5	985.648	42.5	908.628
37.5	1078.825	37.5	1004.784
33	1145.517	33	1140.22
29	1198.282	29	1194.392
25.5	1238.936	25.5	1236.448
22.5	1270.338	22.5	1266.296
19.5	1296.794	19.5	1292.237
17	1314.617	17	1311.163
15	1327.569	15	1324.821
13	1338.23	13	1337.343
11	1347.766	11	1347.232
9	1356.065	9	1355.021
7	1362.764	7	1361.145
5	1367.252	5	1365.936
3	1371.362	3	1369.936
1	1373.873	1	1373.292
0	1374.863	0	1374.863
-1	1373.873	-1	1373.292
-3	1371.362	-3	1369.936
-5	1367.252	-5	1365.936
-7	1362.764	-7	1361.145
-9	1356.065	-9	1355.021
-11	1347.766	-11	1347.232
-13	1338.23	-13	1337.343
-15	1327.569	-15	1324.821
-17	1314.617	-17	1311.163
-19.5	1296.794	-19.5	1292.237
-22.5	1270.338	-22.5	1266.296
-25.5	1238.936	-25.5	1236.448
-29	1198.282	-29	1194.392
-33	1145.517	-33	1140.22
-37.5	1078.825	-37.5	1004.784
-42.5	985.648	-42.5	908.628
-47.5	856.692	-47.5	749.788
-55	616.032	-55	450.477
-65	278.638	-65	171.997
-75	33.578	-75	36.663
-85	.484	-85	3.232
-90	0	-90	1.435

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CANDELA TABULATION

Maximum Candela = 1374.863

Beam Edge = 687.4315 Cd (50% of Max.)

Field Edge = 137.4863 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0.000	0.009	0.028	0.087	0.265	0.399	0.522	0.679	0.820	0.945
85.0	0.000	0.022	0.144	0.387	0.808	1.186	1.460	1.747	2.005	2.232
75.0	0.000	0.046	0.526	1.710	4.793	8.027	12.362	15.419	17.473	20.868
65.0	0.000	0.066	1.415	8.678	32.513	60.767	82.612	103.342	121.023	135.337
55.0	0.000	0.141	3.709	32.148	109.383	188.840 *	243.236 *	306.626 *	350.166 *	382.260 *
47.5	0.000	0.235	6.240	62.387	203.620 *	334.211 *	416.675 *	516.744 *	576.693 *	615.248 *
42.5	0.000	0.291	9.894	88.904	275.200 *	429.281 *	540.548 *	641.677 *	712.771 *	770.713 *
37.5	0.000	0.340	13.158	120.109	350.610 *	530.864 *	649.459 *	754.510 *	834.795 *	878.699 *
33.0	0.000	0.379	15.904	150.517 *	408.115 *	610.805 *	732.732 *	839.261 *	907.922 *	981.986 *
29.0	0.000	0.408	20.283	176.995 *	453.445 *	673.664 *	801.110 *	896.937 *	982.152 *	1038.745 *
25.5	0.000	0.431	23.620	199.960 *	490.334 *	721.161 *	845.312 *	944.444 *	1023.439 *	1074.849 *
22.5	0.000	0.447	26.104	215.117 *	518.579 *	752.904 *	879.314 *	981.208 *	1052.086 *	1102.553 *
19.5	0.000	0.461	28.238	230.692 *	543.899 *	781.300 *	906.350 *	1007.548 *	1076.647 *	1126.814 *
17.0	0.000	0.470	29.748	242.083 *	562.677 *	801.129 *	926.479 *	1025.765 *	1093.686 *	1144.250 *
15.0	0.000	0.476	30.779	250.128 *	575.656 *	813.797 *	939.826 *	1038.812 *	1105.558 *	1156.803 *
13.0	0.000	0.481	31.654	257.205 *	586.817 *	824.956 *	951.256 *	1048.809 *	1115.933 *	1167.411 *
11.0	0.000	0.503	32.372	263.297 *	596.165 *	834.543 *	961.150 *	1057.444 *	1124.512 *	1176.423 *
9.0	0.000	0.499	32.935	268.390 *	603.710 *	842.498 *	969.447 *	1064.668 *	1131.572 *	1184.079 *
7.0	0.000	0.496	33.343	272.470 *	609.473 *	848.763 *	976.089 *	1070.440 *	1137.251 *	1190.013 *
5.0	0.000	0.493	34.061	275.528 *	613.478 *	853.288 *	981.027 *	1074.727 *	1141.492 *	1194.242 *
3.0	0.000	0.489	33.868	278.728 *	617.605 *	858.116 *	986.251 *	1077.506 *	1144.246 *	1196.992 *
1.0	0.000	0.486	33.675	278.668 *	616.557 *	857.167 *	985.849 *	1078.955 *	1145.478 *	1198.232 *
0.0	0.000	0.484	33.578	278.638 *	616.032 *	856.692 *	985.648 *	1078.825 *	1145.517 *	1198.282 *
-1.0	0.000	0.484	33.675	278.668 *	616.557 *	857.167 *	985.849 *	1078.955 *	1145.478 *	1198.232 *
-3.0	0.000	0.489	33.868	278.728 *	617.605 *	858.116 *	986.251 *	1077.506 *	1144.246 *	1196.992 *
-5.0	0.000	0.493	34.061	275.528 *	613.478 *	853.288 *	981.027 *	1074.727 *	1141.492 *	1194.242 *
-7.0	0.000	0.496	33.343	272.470 *	609.473 *	848.763 *	976.089 *	1070.440 *	1137.251 *	1190.013 *
-9.0	0.000	0.499	32.935	268.390 *	603.710 *	842.498 *	969.447 *	1064.668 *	1131.572 *	1184.079 *
-11.0	0.000	0.503	32.372	263.297 *	596.165 *	834.543 *	961.150 *	1057.444 *	1124.512 *	1176.423 *
-13.0	0.000	0.481	31.654	257.205 *	586.817 *	824.956 *	951.256 *	1048.809 *	1115.933 *	1167.411 *
-15.0	0.000	0.476	30.779	250.128 *	575.656 *	813.797 *	939.826 *	1038.812 *	1105.558 *	1156.803 *
-17.0	0.000	0.470	29.748	242.083 *	562.677 *	801.129 *	926.479 *	1025.765 *	1093.686 *	1144.250 *
-19.5	0.000	0.461	28.238	230.692 *	543.899 *	781.300 *	906.350 *	1007.548 *	1076.647 *	1126.814 *
-22.5	0.000	0.447	26.104	215.117 *	518.579 *	752.904 *	879.314 *	981.208 *	1052.086 *	1102.553 *
-25.5	0.000	0.431	23.620	199.960 *	490.334 *	721.161 *	845.312 *	944.444 *	1023.439 *	1074.849 *
-29.0	0.000	0.408	20.283	176.995 *	453.445 *	673.664 *	801.110 *	896.937 *	982.152 *	1038.745 *
-33.0	0.000	0.379	15.904	150.517 *	408.115 *	610.805 *	732.732 *	839.261 *	907.922 *	981.986 *
-37.5	0.000	0.340	13.158	120.109	350.610 *	530.864 *	649.459 *	754.510 *	834.795 *	878.699 *
-42.5	0.000	0.291	9.894	88.904	275.200 *	429.281 *	540.548 *	641.677 *	712.771 *	770.713 *
-47.5	0.000	0.235	6.240	62.387	203.620 *	334.211 *	416.675 *	516.744 *	576.693 *	615.248 *
-55.0	0.000	0.141	3.709	32.148	109.383	188.840 *	243.236 *	306.626 *	350.166 *	382.260 *
-65.0	0.000	0.066	1.415	8.678	32.513	60.767	82.612	103.342	121.023	135.337
-75.0	0.000	0.046	0.526	1.710	4.793	8.027	12.362	15.419	17.473	20.868
-85.0	0.000	0.022	0.144	0.387	0.808	1.186	1.460	1.747	2.005	2.232
-90.0	0.000	0.009	0.028	0.087	0.265	0.399	0.522	0.679	0.820	0.945

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	1.055	1.149	1.187	1.219	1.244	1.270	1.295	1.321	1.346	1.372
85.0	2.428	2.596	2.698	2.781	2.844	2.904	2.999	3.042	3.084	3.126
75.0	23.340	25.087	27.309	29.180	30.554	31.811	32.945	33.947	34.812	36.036
65.0	147.001 *	151.948 *	157.375 *	162.801 *	166.287 *	169.048 *	171.121 *	172.543 *	173.355 *	173.597 *
55.0	410.473 *	428.702 *	439.631 *	446.864 *	452.617 *	456.803 *	459.481 *	460.716 *	460.580 *	459.150 *
47.5	650.227 *	676.348 *	696.693 *	708.865 *	721.265 *	731.778 *	740.359 *	746.931 *	751.417 *	753.751 *
42.5	801.667 *	824.082 *	838.478 *	848.337 *	858.065 *	869.649 *	880.408 *	889.992 *	898.040 *	904.173 *
37.5	914.114 *	947.611 *	969.815 *	986.209 *	999.090 *	1008.764 *	1015.366 *	1019.192 *	1020.318 *	1018.851 *
33.0	1015.271 *	1040.001 *	1065.182 *	1083.985 *	1098.146 *	1111.878 *	1121.367 *	1128.145 *	1133.513 *	1137.396 *
29.0	1074.394 *	1100.498 *	1125.589 *	1142.894 *	1155.492 *	1166.246 *	1175.640 *	1182.895 *	1188.220 *	1191.800 *
25.5	1112.425 *	1140.023 *	1164.457 *	1182.703 *	1195.172 *	1205.971 *	1215.455 *	1222.796 *	1228.451 *	1232.691 *
22.5	1140.264 *	1168.596 *	1193.690 *	1211.813 *	1224.654 *	1235.977 *	1245.799 *	1253.428 *	1259.203 *	1263.334 *
19.5	1164.957 *	1193.941 *	1219.339 *	1238.270 *	1251.327 *	1262.450 *	1272.245 *	1279.943 *	1285.953 *	1289.999 *
17.0	1183.152 *	1212.343 *	1238.492 *	1257.158 *	1270.588 *	1281.310 *	1291.182 *	1298.994 *	1305.452 *	1309.442 *
15.0	1195.761 *	1225.395 *	1251.696 *	1270.690 *	1283.178 *	1294.749 *	1304.218 *	1312.632 *	1318.956 *	1323.167 *
13.0	1206.904 *	1236.893 *	1262.899 *	1281.403 *	1294.690 *	1306.022 *	1315.974 *	1324.267 *	1331.025 *	1335.444 *
11.0	1216.708 *	1246.914 *	1272.687 *	1291.161 *	1304.019 *	1315.761 *	1326.155 *	1334.455 *	1341.071 *	1345.782 *
9.0	1224.163 *	1254.485 *	1280.280 *	1298.777 *	1312.153 *	1323.699 *	1334.112 *	1343.165 *	1349.023 *	1353.786 *
7.0	1230.118 *	1260.621 *	1286.614 *	1304.987 *	1318.073 *	1330.021 *	1340.493 *	1348.749 *	1355.311 *	1359.379 *
5.0	1234.606 *	1265.364 *	1291.694 *	1309.927 *	1322.721 *	1334.428 *	1344.980 *	1353.258 *	1359.064 *	1363.431 *
3.0	1237.547 *	1268.585 *	1294.910 *	1313.015 *	1325.908 *	1337.297 *	1347.302 *	1355.708 *	1362.088 *	1366.497 *
1.0	1238.882 *	1270.394 *	1296.531 *	1314.455 *	1327.651 *	1338.354 *	1348.022 *	1356.298 *	1362.939 *	1368.002 *
0.0	1238.936 *	1270.338 *	1296.794 *	1314.617 *	1327.569 *	1338.230 *	1347.766 *	1356.065 *	1362.764 *	1367.252 *
-1.0	1238.882 *	1270.394 *	1296.531 *	1314.455 *	1327.651 *	1338.354 *	1348.022 *	1356.298 *	1362.939 *	1368.002 *
-3.0	1237.547 *	1268.585 *	1294.910 *	1313.015 *	1325.908 *	1337.297 *	1347.302 *	1355.708 *	1362.088 *	1366.497 *
-5.0	1234.606 *	1265.364 *	1291.694 *	1309.927 *	1322.721 *	1334.428 *	1344.980 *	1353.258 *	1359.064 *	1363.431 *
-7.0	1230.118 *	1260.621 *	1286.614 *	1304.987 *	1318.073 *	1330.021 *	1340.493 *	1348.749 *	1355.311 *	1359.379 *
-9.0	1224.163 *	1254.485 *	1280.280 *	1298.777 *	1312.153 *	1323.699 *	1334.112 *	1343.165 *	1349.023 *	1353.786 *
-11.0	1216.708 *	1246.914 *	1272.687 *	1291.161 *	1304.019 *	1315.761 *	1326.155 *	1334.455 *	1341.071 *	1345.782 *
-13.0	1206.904 *	1236.893 *	1262.899 *	1281.403 *	1294.690 *	1306.022 *	1315.974 *	1324.267 *	1331.025 *	1335.444 *
-15.0	1195.761 *	1225.395 *	1251.696 *	1270.690 *	1283.178 *	1294.749 *	1304.218 *	1312.632 *	1318.956 *	1323.167 *
-17.0	1183.152 *	1212.343 *	1238.492 *	1257.158 *	1270.588 *	1281.310 *	1291.182 *	1298.994 *	1305.452 *	1309.442 *
-19.5	1164.957 *	1193.941 *	1219.339 *	1238.270 *	1251.327 *	1262.450 *	1272.245 *	1279.943 *	1285.953 *	1289.999 *
-22.5	1140.264 *	1168.596 *	1193.690 *	1211.813 *	1224.654 *	1235.977 *	1245.799 *	1253.430 *	1259.203 *	1263.334 *
-25.5	1112.425 *	1140.023 *	1164.457 *	1182.703 *	1195.172 *	1205.971 *	1215.455 *	1222.796 *	1228.451 *	1232.691 *
-29.0	1074.394 *	1100.498 *	1125.589 *	1142.894 *	1155.492 *	1166.246 *	1175.640 *	1182.895 *	1188.220 *	1191.800 *
-33.0	1015.271 *	1040.001 *	1065.182 *	1083.985 *	1098.146 *	1111.878 *	1121.367 *	1128.145 *	1133.513 *	1137.396 *
-37.5	914.114 *	947.611 *	969.815 *	986.209 *	999.090 *	1008.764 *	1015.366 *	1019.192 *	1020.318 *	1018.851 *
-42.5	801.667 *	824.082 *	838.478 *	848.337 *	858.065 *	869.649 *	880.408 *	889.992 *	898.040 *	904.173 *
-47.5	650.227 *	676.348 *	696.693 *	708.951 *	721.265 *	731.778 *	740.359 *	746.931 *	751.417 *	753.751 *
-55.0	410.473 *	428.702 *	439.631 *	446.864 *	452.617 *	456.803 *	459.481 *	460.716 *	460.580 *	459.150 *
-65.0	147.001 *	151.948 *	157.375 *	162.801 *	166.287 *	169.048 *	171.121 *	172.543 *	173.355 *	173.597 *
-75.0	23.340	25.087	27.309	29.180	30.554	31.811	32.945	33.947	34.812	36.036
-85.0	2.428	2.593	2.698	2.781	2.844	2.904	2.999	3.042	3.084	3.126
-90.0	1.055	1.149	1.187	1.219	1.244	1.270	1.295	1.321	1.346	1.372

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	1.397	1.422	1.435	1.422	1.397	1.372	1.346	1.321	1.295	1.270
85.0	3.169	3.211	3.232	3.211	3.169	3.126	3.084	3.042	2.999	2.904
75.0	36.287	36.538	36.663	36.538	36.287	36.036	34.812	33.947	32.945	31.811
65.0	173.802 *	172.599 *	171.997 *	172.599 *	173.802 *	173.597 *	173.355 *	172.543 *	171.121 *	169.048 *

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CANDELA TABULATION - (Cont.)

55.0	457.665	* 452.874	* 450.477	* 452.874	* 457.665	* 459.150	* 460.580	* 460.716	* 459.481	* 456.803
47.5	756.465	* 752.015	* 749.788	* 752.015	* 756.465	* 753.751	* 751.417	* 746.931	* 740.359	* 731.778
42.5	911.442	* 909.567	* 908.628	* 909.567	* 911.442	* 904.173	* 898.040	* 889.992	* 880.408	* 869.649
37.5	1014.926	*1008.958	*1004.784	*1008.958	*1014.926	*1018.851	*1020.318	*1019.192	*1015.366	*1008.764
33.0	1139.731	*1140.465	*1140.220	*1140.465	*1139.731	*1137.396	*1133.513	*1128.145	*1121.367	*1111.878
29.0	1193.964	*1194.635	*1194.392	*1194.635	*1193.964	*1191.800	*1188.220	*1182.895	*1175.640	*1166.246
25.5	1235.411	*1236.520	*1236.448	*1236.520	*1235.411	*1232.691	*1228.451	*1222.796	*1215.455	*1205.971
22.5	1265.780	*1266.743	*1266.296	*1266.743	*1265.780	*1263.334	*1259.203	*1253.430	*1245.799	*1235.977
19.5	1292.116	*1292.584	*1292.237	*1292.584	*1292.116	*1289.999	*1285.953	*1279.943	*1272.245	*1262.450
17.0	1311.421	*1311.643	*1311.163	*1311.643	*1311.421	*1309.442	*1305.452	*1298.994	*1291.182	*1281.310
15.0	1325.163	*1325.608	*1324.821	*1325.608	*1325.163	*1323.167	*1318.956	*1312.632	*1304.218	*1294.749
13.0	1337.426	*1337.817	*1337.343	*1337.817	*1337.426	*1335.444	*1331.025	*1324.267	*1315.974	*1306.022
11.0	1347.720	*1347.805	*1347.232	*1347.805	*1347.720	*1345.782	*1341.071	*1334.455	*1326.155	*1315.761
9.0	1356.180	*1355.781	*1355.021	*1355.781	*1356.180	*1353.786	*1349.023	*1343.165	*1334.112	*1323.699
7.0	1362.838	*1362.187	*1361.145	*1362.187	*1362.838	*1359.379	*1355.311	*1348.749	*1340.493	*1330.021
5.0	1366.996	*1367.764	*1365.936	*1367.764	*1366.996	*1363.431	*1359.064	*1353.258	*1344.980	*1334.428
3.0	1369.457	*1372.215	*1369.936	*1372.215	*1369.457	*1366.497	*1362.088	*1355.708	*1347.302	*1337.297
1.0	1372.240	*1373.577	*1373.292	*1373.577	*1372.240	*1368.002	*1362.939	*1356.298	*1348.022	*1338.354
0.0	1371.362	*1373.873	*1374.863	*1373.873	*1371.362	*1367.252	*1362.764	*1356.065	*1347.766	*1338.230
-1.0	1372.240	*1373.577	*1373.292	*1373.577	*1372.240	*1368.002	*1362.939	*1356.298	*1348.022	*1338.354
-3.0	1369.457	*1372.215	*1369.936	*1372.215	*1369.457	*1366.497	*1362.088	*1355.708	*1347.302	*1337.297
-5.0	1366.996	*1367.764	*1365.936	*1367.764	*1366.996	*1363.431	*1359.064	*1353.258	*1344.980	*1334.428
-7.0	1362.838	*1362.187	*1361.145	*1362.187	*1362.838	*1359.379	*1355.311	*1348.749	*1340.493	*1330.021
-9.0	1356.180	*1355.781	*1355.021	*1355.781	*1356.180	*1353.786	*1349.023	*1343.165	*1334.112	*1323.699
-11.0	1347.720	*1347.805	*1347.232	*1347.805	*1347.720	*1345.782	*1341.071	*1334.455	*1326.155	*1315.761
-13.0	1337.426	*1337.817	*1337.343	*1337.817	*1337.426	*1335.444	*1331.025	*1324.267	*1315.974	*1306.022
-15.0	1325.163	*1325.608	*1324.821	*1325.608	*1325.163	*1323.167	*1318.956	*1312.632	*1304.218	*1294.749
-17.0	1311.421	*1311.643	*1311.163	*1311.643	*1311.421	*1309.442	*1305.452	*1298.994	*1291.182	*1281.310
-19.5	1292.116	*1292.584	*1292.237	*1292.584	*1292.116	*1289.999	*1285.953	*1279.943	*1272.245	*1262.450
-22.5	1265.780	*1266.743	*1266.296	*1266.743	*1265.780	*1263.334	*1259.203	*1253.428	*1245.799	*1235.977
-25.5	1235.411	*1236.520	*1236.448	*1236.520	*1235.411	*1232.691	*1228.451	*1222.796	*1215.455	*1205.971
-29.0	1193.964	*1194.635	*1194.392	*1194.635	*1193.964	*1191.800	*1188.220	*1182.895	*1175.640	*1166.246
-33.0	1139.731	*1140.465	*1140.220	*1140.465	*1139.731	*1137.396	*1133.513	*1128.145	*1121.367	*1111.878
-37.5	1014.926	*1008.958	*1004.784	*1008.958	*1014.926	*1018.851	*1020.318	*1019.192	*1015.366	*1008.764
-42.5	911.442	* 909.567	* 908.628	* 909.567	* 911.442	* 904.173	* 898.040	* 889.992	* 880.408	* 869.649
-47.5	756.465	* 752.015	* 749.788	* 752.015	* 756.465	* 753.751	* 751.417	* 746.931	* 740.359	* 731.778
-55.0	457.665	* 452.874	* 450.477	* 452.874	* 457.665	* 459.150	* 460.580	* 460.716	* 459.481	* 456.803
-65.0	173.802	* 172.599	* 171.997	* 172.599	* 173.802	* 173.597	* 173.355	* 172.543	* 171.121	* 169.048
-75.0	36.287	36.538	36.663	36.538	36.287	36.036	34.812	33.947	32.945	31.811
-85.0	3.169	3.211	3.232	3.211	3.169	3.126	3.084	3.042	2.999	2.904
-90.0	1.397	1.422	1.435	1.422	1.397	1.372	1.346	1.321	1.295	1.270

**Vert.
Angles**

Horizontal Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	1.244	1.219	1.187	1.149	1.055	0.945	0.820	0.679	0.522	0.399
85.0	2.844	2.781	2.698	2.593	2.428	2.232	2.005	1.747	1.460	1.186
75.0	30.554	29.180	27.309	25.087	23.340	20.868	17.473	15.419	12.362	8.027
65.0	166.287	* 162.801	* 157.375	* 151.948	* 147.001	* 135.337	121.023	103.342	82.612	60.767
55.0	452.617	* 446.864	* 439.631	* 428.702	* 410.473	* 382.260	* 350.166	* 306.626	* 243.236	* 188.840
47.5	721.265	* 708.951	* 696.693	* 676.348	* 650.227	* 615.248	* 576.693	* 516.744	* 416.675	* 334.211
42.5	858.065	* 848.337	* 838.478	* 824.082	* 801.667	* 770.713	* 712.771	* 641.677	* 540.548	* 429.281
37.5	999.090	* 986.209	* 969.815	* 947.611	* 914.114	* 878.699	* 834.795	* 754.510	* 649.459	* 530.864
33.0	1098.146	*1083.985	*1065.182	*1040.001	*1015.271	*981.986	*907.922	*839.261	*732.732	*610.805
29.0	1155.492	*1142.894	*1125.589	*1100.498	*1074.394	*1038.745	*982.152	*896.937	*801.110	*673.664
25.5	1195.172	*1182.703	*1164.457	*1140.023	*1112.425	*1074.849	*1023.439	*944.444	*845.312	*721.161

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-50.IES

CANDELA TABULATION - (Cont.)

22.5	1224.654	*1211.813	*1193.690	*1168.596	*1140.264	*1102.553	*1052.086	*981.208	* 879.314	* 752.904	*
19.5	1251.327	*1238.270	*1219.339	*1193.941	*1164.957	*1126.814	*1076.647	*1007.548	*906.350	* 781.300	*
17.0	1270.588	*1257.158	*1238.492	*1212.343	*1183.152	*1144.250	*1093.686	*1025.765	*926.479	* 801.129	*
15.0	1283.178	*1270.690	*1251.696	*1225.395	*1195.761	*1156.803	*1105.558	*1038.812	*939.826	* 813.797	*
13.0	1294.690	*1281.403	*1262.899	*1236.893	*1206.904	*1167.411	*1115.933	*1048.809	*951.256	* 824.956	*
11.0	1304.019	*1291.161	*1272.687	*1246.914	*1216.708	*1176.423	*1124.512	*1057.444	*961.150	* 834.543	*
9.0	1312.153	*1298.777	*1280.280	*1254.485	*1224.163	*1184.079	*1131.572	*1064.668	*969.447	* 842.498	*
7.0	1318.073	*1304.987	*1286.614	*1260.621	*1230.118	*1190.013	*1137.251	*1070.440	*976.089	* 848.763	*
5.0	1322.721	*1309.927	*1291.694	*1265.364	*1234.606	*1194.242	*1141.492	*1074.727	*981.027	* 853.288	*
3.0	1325.908	*1313.015	*1294.910	*1268.585	*1237.547	*1196.992	*1144.246	*1077.506	*986.250	* 858.116	*
1.0	1327.651	*1314.455	*1296.531	*1270.394	*1238.882	*1198.232	*1145.478	*1078.955	*985.849	* 857.167	*
0.0	1327.569	*1314.617	*1296.794	*1270.338	*1238.936	*1198.282	*1145.517	*1078.825	*985.648	* 856.692	*
-1.0	1327.651	*1314.455	*1296.531	*1270.394	*1238.882	*1198.232	*1145.478	*1078.955	*985.849	* 857.167	*
-3.0	1325.908	*1313.015	*1294.910	*1268.585	*1237.547	*1196.992	*1144.246	*1077.506	*986.250	* 858.116	*
-5.0	1322.721	*1309.927	*1291.694	*1265.364	*1234.606	*1194.242	*1141.492	*1074.727	*981.027	* 853.288	*
-7.0	1318.073	*1304.987	*1286.614	*1260.621	*1230.118	*1190.013	*1137.251	*1070.440	*976.089	* 848.763	*
-9.0	1312.153	*1298.777	*1280.280	*1254.485	*1224.163	*1184.079	*1131.572	*1064.668	*969.447	* 842.498	*
-11.0	1304.019	*1291.161	*1272.687	*1246.914	*1216.708	*1176.423	*1124.512	*1057.444	*961.150	* 834.543	*
-13.0	1294.690	*1281.403	*1262.899	*1236.893	*1206.904	*1167.411	*1115.933	*1048.809	*951.256	* 824.956	*
-15.0	1283.178	*1270.690	*1251.696	*1225.395	*1195.761	*1156.803	*1105.558	*1038.812	*939.826	* 813.797	*
-17.0	1270.588	*1257.158	*1238.492	*1212.343	*1183.152	*1144.250	*1093.686	*1025.765	*926.479	* 801.129	*
-19.5	1251.327	*1238.270	*1219.339	*1193.941	*1164.957	*1126.814	*1076.647	*1007.548	*906.350	* 781.300	*
-22.5	1224.654	*1211.813	*1193.690	*1168.596	*1140.264	*1102.553	*1052.086	*981.208	* 879.314	* 752.904	*
-25.5	1195.172	*1182.703	*1164.457	*1140.023	*1112.425	*1074.849	*1023.439	*944.444	* 845.312	* 721.161	*
-29.0	1155.492	*1142.894	*1125.589	*1100.498	*1074.394	*1038.745	*982.152	* 896.937	* 801.110	* 673.664	*
-33.0	1098.146	*1083.985	*1065.182	*1040.001	*1015.271	*981.986	* 907.922	* 839.261	* 732.732	* 610.805	*
-37.5	999.090	* 986.209	* 969.815	* 947.611	* 914.114	* 878.699	* 834.795	* 754.510	* 649.459	* 530.864	*
-42.5	858.065	* 848.337	* 838.478	* 824.082	* 801.667	* 770.713	* 712.771	* 641.677	* 540.548	* 429.281	*
-47.5	721.265	* 708.865	* 696.693	* 676.348	* 650.227	* 615.248	* 576.693	* 516.744	* 416.675	* 334.211	*
-55.0	452.617	* 446.864	* 439.631	* 428.702	* 410.473	* 382.260	* 350.166	* 306.626	* 243.236	* 188.840	*
-65.0	166.287	* 162.801	* 157.375	* 151.948	* 147.001	* 135.337	121.023	103.342	82.612	60.767	
-75.0	30.554	29.180	27.309	25.087	23.340	20.868	17.473	15.419	12.362	8.027	
-85.0	2.844	2.781	2.698	2.596	2.428	2.232	2.005	1.747	1.460	1.186	
-90.0	1.244	1.219	1.187	1.149	1.055	0.945	0.820	0.679	0.522	0.399	

Vert. Angles **Horizontal Angles**

	55.0	65.0	75.0	85.0	90.0
90.0	0.265	0.087	0.028	0.009	0.000
85.0	0.808	0.387	0.144	0.022	0.000
75.0	4.793	1.710	0.526	0.046	0.000
65.0	32.513	8.678	1.415	0.066	0.000
55.0	109.383	32.148	3.709	0.141	0.000
47.5	203.620	* 62.387	6.240	0.235	0.000
42.5	275.200	* 88.904	9.894	0.291	0.000
37.5	350.610	* 120.109	13.158	0.340	0.000
33.0	408.115	* 150.517	* 15.904	0.379	0.000
29.0	453.445	* 176.995	* 20.283	0.408	0.000
25.5	490.334	* 199.960	* 23.620	0.431	0.000
22.5	518.579	* 215.117	* 26.104	0.447	0.000
19.5	543.899	* 230.692	* 28.238	0.461	0.000
17.0	562.677	* 242.083	* 29.748	0.470	0.000
15.0	575.656	* 250.128	* 30.779	0.476	0.000
13.0	586.817	* 257.205	* 31.654	0.481	0.000
11.0	596.165	* 263.297	* 32.372	0.503	0.000
9.0	603.710	* 268.390	* 32.935	0.499	0.000

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-50.IES

CANDELA TABULATION - (Cont.)

7.0	609.473	*	272.470	*	33.343	0.496	0.000
5.0	613.478	*	275.528	*	34.061	0.493	0.000
3.0	617.605	*	278.728	*	33.868	0.489	0.000
1.0	616.557	*	278.668	*	33.675	0.484	0.000
0.0	616.032	*	278.638	*	33.578	0.484	0.000
-1.0	616.557	*	278.668	*	33.675	0.486	0.000
-3.0	617.605	*	278.728	*	33.868	0.489	0.000
-5.0	613.478	*	275.528	*	34.061	0.493	0.000
-7.0	609.473	*	272.470	*	33.343	0.496	0.000
-9.0	603.710	*	268.390	*	32.935	0.499	0.000
-11.0	596.165	*	263.297	*	32.372	0.503	0.000
-13.0	586.817	*	257.205	*	31.654	0.481	0.000
-15.0	575.656	*	250.128	*	30.779	0.476	0.000
-17.0	562.677	*	242.083	*	29.748	0.470	0.000
-19.5	543.899	*	230.692	*	28.238	0.461	0.000
-22.5	518.579	*	215.117	*	26.104	0.447	0.000
-25.5	490.334	*	199.960	*	23.620	0.431	0.000
-29.0	453.445	*	176.995	*	20.283	0.408	0.000
-33.0	408.115	*	150.517	*	15.904	0.379	0.000
-37.5	350.610	*	120.109	*	13.158	0.340	0.000
-42.5	275.200	*	88.904	*	9.894	0.291	0.000
-47.5	203.620	*	62.387	*	6.240	0.235	0.000
-55.0	109.383	*	32.148	*	3.709	0.141	0.000
-65.0	32.513	*	8.678	*	1.415	0.066	0.000
-75.0	4.793	*	1.710	*	0.526	0.046	0.000
-85.0	0.808	*	0.387	*	0.144	0.022	0.000
-90.0	0.265	*	0.087	*	0.028	0.009	0.000

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-50.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 1634.67

Total Field Lumens (one side of beam only) = 1594.81

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
75	0.06	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.11
65	0.32	0.64	0.64	0.63	0.63	0.62	0.60	0.59	0.57	0.68
55	0.95 *	1.91 *	1.92 *	1.92 *	1.91 *	1.90 *	1.87 *	1.84 *	1.80 *	2.18 *
47.5	1.37 *	2.76 *	2.77 *	2.75 *	2.74 *	2.71 *	2.67 *	2.62 *	2.56 *	3.11 *
42.5	1.26 *	2.53 *	2.53 *	2.50 *	2.48 *	2.44 *	2.40 *	2.35 *	2.30 *	2.80 *
37.5	1.46 *	2.93 *	2.92 *	2.91 *	2.89 *	2.85 *	2.81 *	2.76 *	2.70 *	3.29 *
33	1.47 *	2.95 *	2.95 *	2.94 *	2.92 *	2.89 *	2.85 *	2.80 *	2.75 *	3.34 *
29	1.42 *	2.84 *	2.83 *	2.82 *	2.79 *	2.76 *	2.73 *	2.68 *	2.62 *	3.19 *
25.5	1.30 *	2.59 *	2.58 *	2.57 *	2.55 *	2.52 *	2.48 *	2.44 *	2.40 *	2.92 *
22.5	1.14 *	2.29 *	2.28 *	2.26 *	2.25 *	2.22 *	2.19 *	2.16 *	2.11 *	2.58 *
19.5	1.17 *	2.34 *	2.33 *	2.32 *	2.30 *	2.27 *	2.24 *	2.21 *	2.16 *	2.64 *
17	0.99 *	1.98 *	1.98 *	1.97 *	1.95 *	1.93 *	1.90 *	1.87 *	1.84 *	2.24 *
15	0.80 *	1.61 *	1.60 *	1.59 *	1.58 *	1.56 *	1.54 *	1.52 *	1.49 *	1.81 *
13	0.81 *	1.62 *	1.62 *	1.61 *	1.59 *	1.58 *	1.56 *	1.53 *	1.50 *	1.83 *
11	0.82 *	1.63 *	1.63 *	1.62 *	1.61 *	1.59 *	1.57 *	1.54 *	1.51 *	1.85 *
9	0.82 *	1.65 *	1.64 *	1.63 *	1.62 *	1.60 *	1.58 *	1.55 *	1.52 *	1.86 *
7	0.83 *	1.66 *	1.65 *	1.64 *	1.63 *	1.61 *	1.59 *	1.56 *	1.53 *	1.87 *
5	0.83 *	1.66 *	1.66 *	1.65 *	1.63 *	1.62 *	1.59 *	1.57 *	1.54 *	1.88 *
3	0.83 *	1.67 *	1.66 *	1.65 *	1.64 *	1.62 *	1.60 *	1.57 *	1.54 *	1.88 *
1	0.84 *	1.67 *	1.66 *	1.65 *	1.64 *	1.62 *	1.60 *	1.58 *	1.55 *	1.89 *
0	0.42 *	0.84 *	0.83 *	0.83 *	0.82 *	0.81 *	0.80 *	0.79 *	0.77 *	0.94 *
-1	0.42 *	0.84 *	0.83 *	0.83 *	0.82 *	0.81 *	0.80 *	0.79 *	0.77 *	0.94 *
	0.84 *	1.67 *	1.66 *	1.65 *	1.64 *	1.62 *	1.60 *	1.58 *	1.55 *	1.89 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-50.IES

LUMENS TABULATION - (Cont.)

-3	0.83 *	1.67 *	1.66 *	1.65 *	1.64 *	1.62 *	1.60 *	1.57 *	1.54 *	1.88 *
-5	0.83 *	1.66 *	1.66 *	1.65 *	1.63 *	1.62 *	1.59 *	1.57 *	1.54 *	1.88 *
-7	0.83 *	1.66 *	1.65 *	1.64 *	1.63 *	1.61 *	1.59 *	1.56 *	1.53 *	1.87 *
-9	0.82 *	1.65 *	1.64 *	1.63 *	1.62 *	1.60 *	1.58 *	1.55 *	1.52 *	1.86 *
-11	0.82 *	1.63 *	1.63 *	1.62 *	1.61 *	1.59 *	1.57 *	1.54 *	1.51 *	1.85 *
-13	0.81 *	1.62 *	1.62 *	1.61 *	1.59 *	1.58 *	1.56 *	1.53 *	1.50 *	1.83 *
-15	0.80 *	1.61 *	1.60 *	1.59 *	1.58 *	1.56 *	1.54 *	1.52 *	1.49 *	1.81 *
-17	0.99 *	1.98 *	1.98 *	1.97 *	1.95 *	1.93 *	1.90 *	1.87 *	1.84 *	2.24 *
-19.5	1.17 *	2.34 *	2.33 *	2.32 *	2.30 *	2.27 *	2.24 *	2.21 *	2.16 *	2.64 *
-22.5	1.14 *	2.29 *	2.28 *	2.26 *	2.25 *	2.22 *	2.19 *	2.16 *	2.11 *	2.58 *
-25.5	1.30 *	2.59 *	2.58 *	2.57 *	2.55 *	2.52 *	2.48 *	2.44 *	2.40 *	2.92 *
-29	1.42 *	2.84 *	2.83 *	2.82 *	2.79 *	2.76 *	2.73 *	2.68 *	2.62 *	3.19 *
-33	1.47 *	2.95 *	2.95 *	2.94 *	2.92 *	2.89 *	2.85 *	2.80 *	2.75 *	3.34 *
-37.5	1.46 *	2.93 *	2.92 *	2.91 *	2.89 *	2.85 *	2.81 *	2.76 *	2.70 *	3.29 *
-42.5	1.26 *	2.53 *	2.53 *	2.50 *	2.48 *	2.44 *	2.40 *	2.35 *	2.30 *	2.80 *
-47.5	1.37 *	2.76 *	2.77 *	2.75 *	2.74 *	2.71 *	2.67 *	2.62 *	2.56 *	3.11 *
-55	0.95 *	1.91 *	1.92 *	1.92 *	1.91 *	1.90 *	1.87 *	1.84 *	1.80 *	2.18 *
-65	0.32	0.64	0.64	0.63	0.63	0.62	0.60	0.59	0.57	0.68
-75	0.06	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.11
-85	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	39.85	79.76	79.60	79.18	78.54	77.68	76.58	75.26	73.74	89.81

Vert. Horizontal Angles

	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
85	0.12	0.11	0.12	0.11	0.10	0.09	0.06	0.05	0.03	0.01
75	0.77	0.72	0.77	0.77	0.72	0.62	0.44	0.38	0.18	0.03
65	2.51 *	2.38 *	2.55 *	2.58 *	2.47 *	2.15 *	1.55 *	1.40	0.69	0.12
55	3.59 *	3.39 *	3.66 *	3.77 *	3.67 *	3.24 *	2.39 *	2.24 *	1.16	0.20

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-50.IES

LUMENS TABULATION - (Cont.)

47.5										
	3.24 *	3.08 *	3.36 *	3.49 *	3.42 *	3.08 *	2.32 *	2.22 *	1.20 *	0.22
42.5	3.82 *	3.64 *	3.99 *	4.17 *	4.12 *	3.77 *	2.89 *	2.83 *	1.59 *	0.30
37.5	3.86 *	3.68 *	4.04 *	4.23 *	4.20 *	3.90 *	3.06 *	3.06 *	1.76 *	0.35
33	3.69 *	3.53 *	3.90 *	4.08 *	4.06 *	3.81 *	3.03 *	3.07 *	1.81 *	0.38
29	3.38 *	3.23 *	3.57 *	3.76 *	3.77 *	3.56 *	2.87 *	2.92 *	1.76 *	0.38
25.5	2.99 *	2.86 *	3.15 *	3.33 *	3.36 *	3.19 *	2.58 *	2.66 *	1.62 *	0.36
22.5	3.06 *	2.92 *	3.22 *	3.41 *	3.46 *	3.30 *	2.68 *	2.78 *	1.72 *	0.39
19.5	2.59 *	2.48 *	2.74 *	2.90 *	2.94 *	2.82 *	2.30 *	2.40 *	1.50 *	0.35
17	2.10 *	2.01 *	2.22 *	2.35 *	2.39 *	2.29 *	1.87 *	1.97 *	1.24 *	0.29 *
15	2.12 *	2.03 *	2.24 *	2.37 *	2.41 *	2.32 *	1.90 *	2.00 *	1.27 *	0.30 *
13	2.14 *	2.05 *	2.26 *	2.39 *	2.43 *	2.34 *	1.92 *	2.03 *	1.30 *	0.30 *
11	2.16 *	2.06 *	2.28 *	2.41 *	2.45 *	2.36 *	1.94 *	2.06 *	1.32 *	0.31 *
9	2.17 *	2.07 *	2.29 *	2.42 *	2.46 *	2.38 *	1.96 *	2.08 *	1.33 *	0.32 *
7	2.18 *	2.08 *	2.30 *	2.43 *	2.48 *	2.39 *	1.97 *	2.09 *	1.35 *	0.32 *
5	2.18 *	2.09 *	2.30 *	2.44 *	2.48 *	2.40 *	1.98 *	2.10 *	1.36 *	0.32 *
3	2.19 *	2.09 *	2.31 *	2.45 *	2.49 *	2.41 *	1.98 *	2.11 *	1.36 *	0.33 *
1	1.09 *	1.05 *	1.15 *	1.22 *	1.24 *	1.20 *	0.99 *	1.05 *	0.68 *	0.16 *
0	1.09 *	1.05 *	1.15 *	1.22 *	1.24 *	1.20 *	0.99 *	1.05 *	0.68 *	0.16 *
-1	2.19 *	2.09 *	2.31 *	2.45 *	2.49 *	2.41 *	1.98 *	2.11 *	1.36 *	0.33 *
-3	2.18 *	2.09 *	2.30 *	2.44 *	2.48 *	2.40 *	1.98 *	2.10 *	1.36 *	0.32 *
-5	2.18 *	2.08 *	2.30 *	2.43 *	2.48 *	2.39 *	1.97 *	2.09 *	1.35 *	0.32 *
-7	2.17 *	2.07 *	2.29 *	2.42 *	2.46 *	2.38 *	1.96 *	2.08 *	1.33 *	0.32 *
-9	2.16 *	2.06 *	2.28 *	2.41 *	2.45 *	2.36 *	1.94 *	2.06 *	1.32 *	0.31 *
-11	2.14 *	2.05 *	2.26 *	2.39 *	2.43 *	2.34 *	1.92 *	2.03 *	1.30 *	0.30 *
-13	2.12 *	2.03 *	2.24 *	2.37 *	2.41 *	2.32 *	1.90 *	2.00 *	1.27 *	0.30 *
-15	2.10 *	2.01 *	2.22 *	2.35 *	2.39 *	2.29 *	1.87 *	1.97 *	1.24 *	0.29 *
-17	2.59 *	2.48 *	2.74 *	2.90 *	2.94 *	2.82 *	2.30 *	2.40 *	1.50 *	0.35
-19.5	3.06 *	2.92 *	3.22 *	3.41 *	3.46 *	3.30 *	2.68 *	2.78 *	1.72 *	0.39

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	2.99 *	2.86 *	3.15 *	3.33 *	3.36 *	3.19 *	2.58 *	2.66 *	1.62 *	0.36
-25.5	3.38 *	3.23 *	3.57 *	3.76 *	3.77 *	3.56 *	2.87 *	2.92 *	1.76 *	0.38
-29	3.69 *	3.53 *	3.90 *	4.08 *	4.06 *	3.81 *	3.03 *	3.07 *	1.81 *	0.38
-33	3.86 *	3.68 *	4.04 *	4.23 *	4.20 *	3.90 *	3.06 *	3.06 *	1.76 *	0.35
-37.5	3.82 *	3.64 *	3.99 *	4.17 *	4.12 *	3.77 *	2.89 *	2.83 *	1.59 *	0.30
-42.5	3.24 *	3.08 *	3.36 *	3.49 *	3.42 *	3.08 *	2.32 *	2.22 *	1.20 *	0.22
-47.5	3.59 *	3.39 *	3.66 *	3.77 *	3.67 *	3.24 *	2.39 *	2.24 *	1.16	0.20
-55	2.51 *	2.38 *	2.55 *	2.58 *	2.47 *	2.15 *	1.55 *	1.40	0.69	0.12
-65	0.77	0.72	0.77	0.77	0.72	0.62	0.44	0.38	0.18	0.03
-75	0.12	0.11	0.12	0.11	0.10	0.09	0.06	0.05	0.03	0.01
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
-90	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Total	103.92	99.14	108.81	114.25	114.25	107.33	85.39	87.00	52.47	11.48

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.12	
85				
	0.00	0.00	1.86	
75				
	0.00	0.00	11.33	
65				
	0.01	0.00	36.60	
55				
	0.01	0.00	53.37	
47.5				
	0.01	0.00	49.23	
42.5				
	0.02	0.00	58.66	
37.5				
	0.02	0.00	60.02	
33				
	0.02	0.00	58.08	
29				
	0.02	0.00	53.56	
25.5				
	0.02	0.00	47.60	
22.5				
	0.02	0.00	48.94	
19.5				
	0.02	0.00	41.67	
17				
	0.02	0.00	33.85	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-50.IES

LUMENS TABULATION - (Cont.)

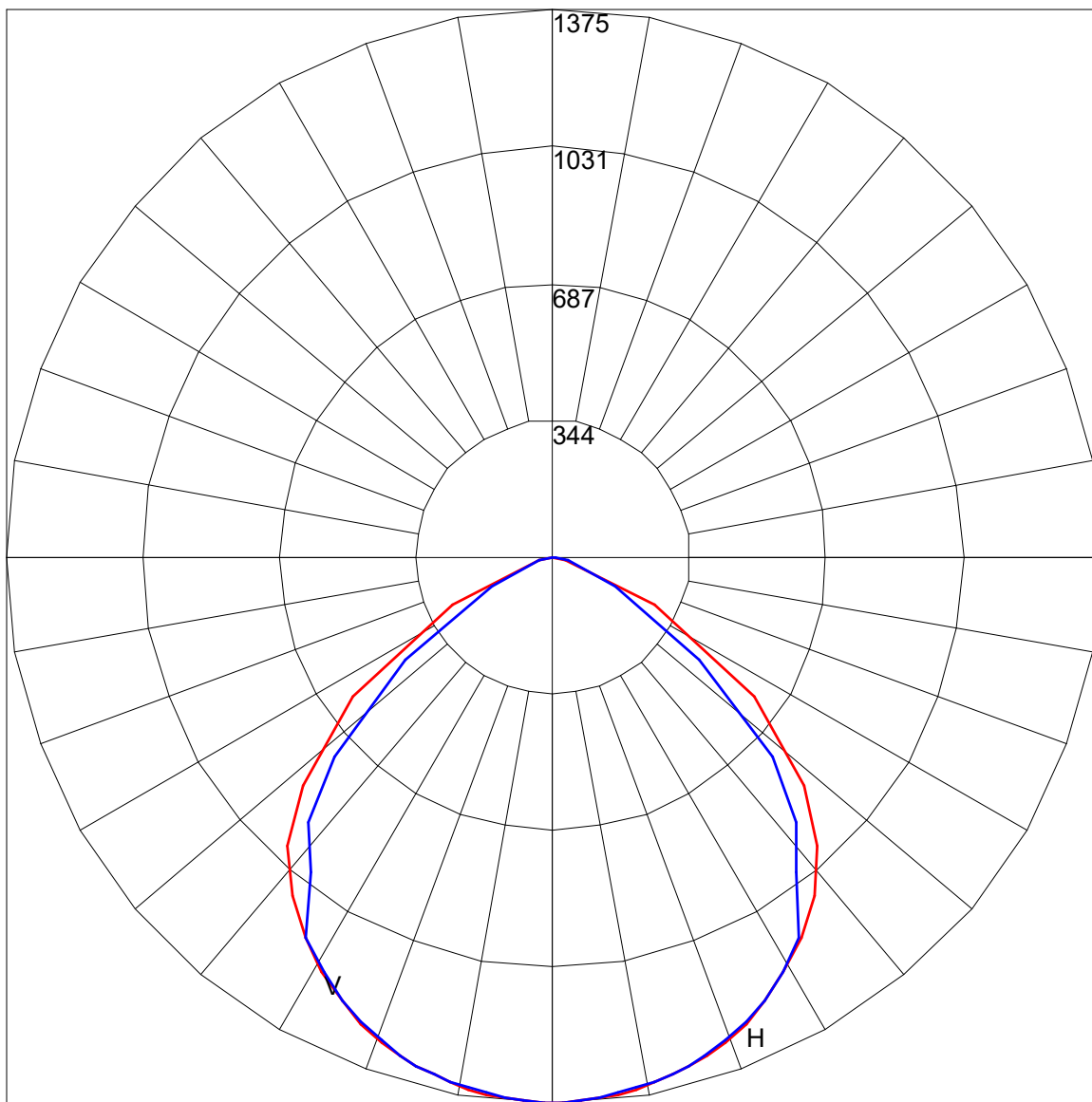
15			
	0.02	0.00	34.23
13			
	0.02	0.00	34.56
11			
	0.02	0.00	34.84
9			
	0.02	0.00	35.06
7			
	0.02	0.00	35.23
5			
	0.02	0.00	35.36
3			
	0.02	0.00	35.43
1			
	0.01	0.00	17.72
0			
	0.01	0.00	17.72
-1			
	0.02	0.00	35.43
-3			
	0.02	0.00	35.36
-5			
	0.02	0.00	35.23
-7			
	0.02	0.00	35.06
-9			
	0.02	0.00	34.84
-11			
	0.02	0.00	34.56
-13			
	0.02	0.00	34.23
-15			
	0.02	0.00	33.85
-17			
	0.02	0.00	41.67
-19.5			
	0.02	0.00	48.94
-22.5			
	0.02	0.00	47.60
-25.5			
	0.02	0.00	53.56
-29			
	0.02	0.00	58.08
-33			
	0.02	0.00	60.02
-37.5			
	0.02	0.00	58.66
-42.5			
	0.01	0.00	49.23
-47.5			
	0.01	0.00	53.37
-55			
	0.01	0.00	36.60
-65			
	0.00	0.00	11.33

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-50.IES

LUMENS TABULATION - (Cont.)

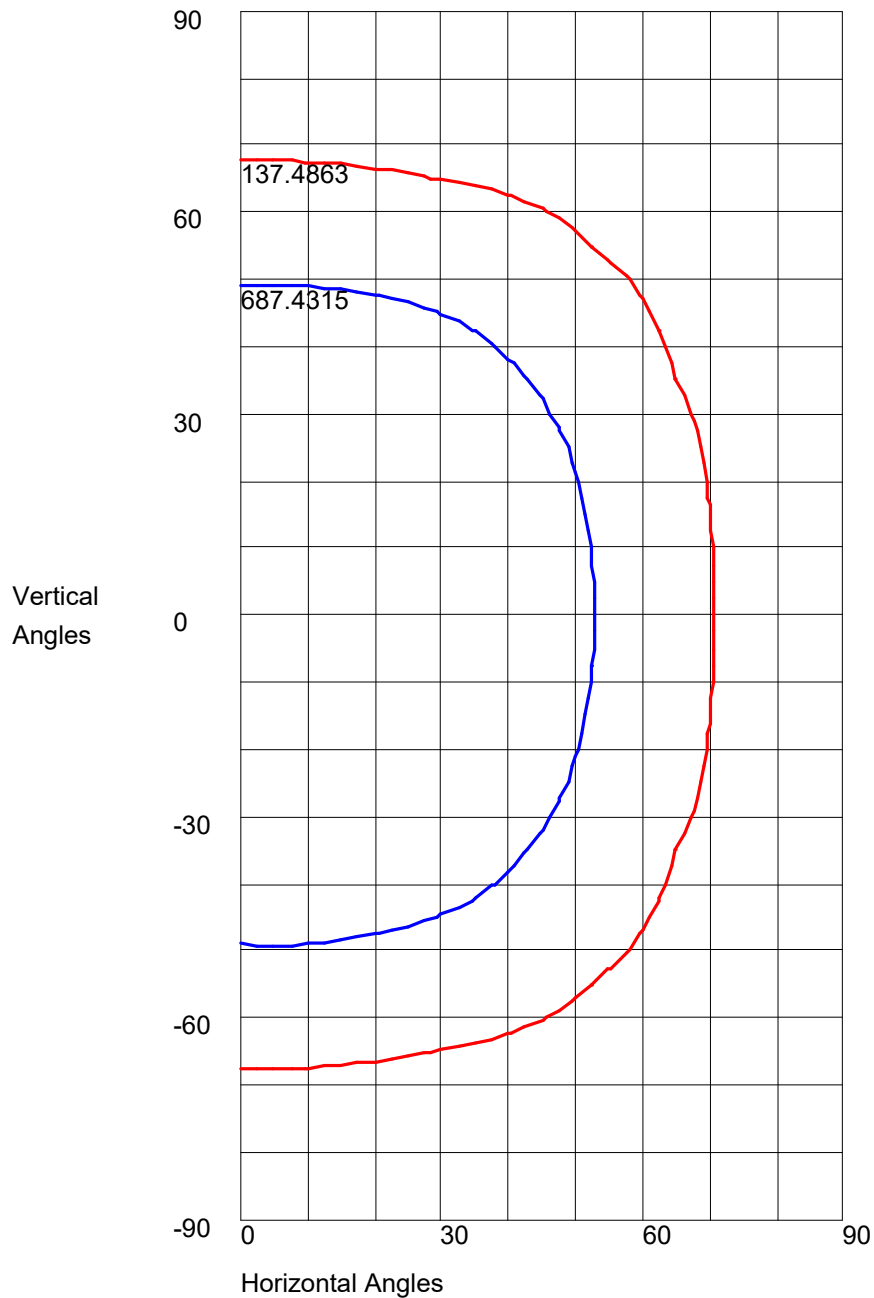
-75	0.00	0.00	1.86
-85	0.00	0.00	0.12
-90			
Total	0.63	0.00	1634.67

AXIAL CANDELA DISPLAY



Maximum Candela = 1374.863 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 1374.863 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 687.4315
10% Maximum Candela = 137.4863