



IES FLOOD REPORT

PHOTOMETRIC FILENAME : TSFL-LED-03L-W-30.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-30

[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	1320.475
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	2460
Beam Efficiency	N.A.
Field Lumens	3063
Field Efficiency	N.A.
Spill Lumens	77
Luminaire Lumens	3140
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	1.378
85	.465	85	3.104
75	32.25	75	35.212
65	267.615	65	165.193
55	591.663	55	432.657
47.5	822.802	47.5	720.128
42.5	946.657	42.5	872.684
37.5	1036.148	37.5	965.036
33	1100.202	33	1095.115
29	1150.88	29	1147.143
25.5	1189.925	25.5	1187.535
22.5	1220.085	22.5	1216.203
19.5	1245.495	19.5	1241.117
17	1262.613	17	1259.295
15	1275.052	15	1272.413
13	1285.291	13	1284.439
11	1294.45	11	1293.937
9	1302.421	9	1301.418
7	1308.855	7	1307.3
5	1313.166	5	1311.902
3	1317.112	3	1315.744
1	1319.525	1	1318.967
0	1320.475	0	1320.475
-1	1319.525	-1	1318.967
-3	1317.112	-3	1315.744
-5	1313.166	-5	1311.902
-7	1308.855	-7	1307.3
-9	1302.421	-9	1301.418
-11	1294.45	-11	1293.937
-13	1285.291	-13	1284.439
-15	1275.052	-15	1272.413
-17	1262.613	-17	1259.295
-19.5	1245.495	-19.5	1241.117
-22.5	1220.085	-22.5	1216.203
-25.5	1189.925	-25.5	1187.535
-29	1150.88	-29	1147.143
-33	1100.202	-33	1095.115
-37.5	1036.148	-37.5	965.036
-42.5	946.657	-42.5	872.684
-47.5	822.802	-47.5	720.128
-55	591.663	-55	432.657
-65	267.615	-65	165.193
-75	32.25	-75	35.212
-85	.465	-85	3.104
-90	0	-90	1.378

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CANDELA TABULATION

Maximum Candela = 1320.475

Beam Edge = 660.2375 Cd (50% of Max.)

Field Edge = 132.0475 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	0.027	0.083	0.255	0.384	0.502	0.652	0.788	0.908
85.0	0.000	0.021	0.138	0.371	0.776	1.139	1.402	1.678	1.926	2.144
75.0	0.000	0.045	0.505	1.642	4.603	7.710	11.873	14.809	16.782	20.043
65.0	0.000	0.063	1.359	8.335	31.227	58.363	79.344	99.254	116.235	129.983
55.0	0.000	0.136	3.562	30.877	105.056	181.369 *	233.614 *	294.496 *	336.314 *	367.139 *
47.5	0.000	0.226	5.993	59.919	195.564 *	320.990 *	400.191 *	496.301 *	553.880 *	590.910 *
42.5	0.000	0.279	9.502	85.387	264.313 *	412.299 *	519.165 *	616.294 *	684.576 *	740.224 *
37.5	0.000	0.327	12.638	115.357	336.740 *	509.864 *	623.768 *	724.662 *	801.771 *	843.939 *
33.0	0.000	0.364	15.275	144.562 *	391.970 *	586.643 *	703.746 *	806.061 *	872.005 *	943.140 *
29.0	0.000	0.392	19.481	169.993 *	435.507 *	647.015 *	769.419 *	861.456 *	943.299 *	997.654 *
25.5	0.000	0.414	22.685	192.049 *	470.936 *	692.633 *	811.872 *	907.083 *	982.953 *	1032.330 *
22.5	0.000	0.429	25.071	206.606 *	498.065 *	723.120 *	844.530 *	942.393 *	1010.467 *	1058.938 *
19.5	0.000	0.443	27.121	221.566 *	522.384 *	750.393 *	870.496 *	967.691 *	1034.057 *	1082.239 *
17.0	0.000	0.452	28.571	232.506 *	540.418 *	769.438 *	889.828 *	985.187 *	1050.421 *	1098.985 *
15.0	0.000	0.458	29.562	240.233 *	552.884 *	781.604 *	902.647 *	997.718 *	1061.824 *	1111.041 *
13.0	0.000	0.462	30.402	247.030 *	563.604 *	792.322 *	913.625 *	1007.319 *	1071.789 *	1121.229 *
11.0	0.000	0.483	31.092	252.881 *	572.582 *	801.529 *	923.128 *	1015.613 *	1080.028 *	1129.885 *
9.0	0.000	0.480	31.632	257.772 *	579.829 *	809.170 *	931.097 *	1022.551 *	1086.809 *	1137.238 *
7.0	0.000	0.477	32.024	261.691 *	585.363 *	815.187 *	937.477 *	1028.095 *	1092.263 *	1142.938 *
5.0	0.000	0.473	32.714	264.628 *	589.210 *	819.533 *	942.219 *	1032.212 *	1096.336 *	1146.999 *
3.0	0.000	0.470	32.529	267.701 *	593.174 *	824.170 *	947.236 *	1034.881 *	1098.981 *	1149.640 *
1.0	0.000	0.467	32.343	267.644 *	592.167 *	823.259 *	946.850 *	1036.273 *	1100.165 *	1150.832 *
0.0	0.000	0.465	32.250	267.615 *	591.663 *	822.802 *	946.657 *	1036.148 *	1100.202 *	1150.880 *
-1.0	0.000	0.465	32.343	267.644 *	592.167 *	823.259 *	946.850 *	1036.273 *	1100.165 *	1150.832 *
-3.0	0.000	0.470	32.529	267.701 *	593.174 *	824.170 *	947.236 *	1034.881 *	1098.981 *	1149.640 *
-5.0	0.000	0.473	32.714	264.628 *	589.210 *	819.533 *	942.219 *	1032.212 *	1096.336 *	1146.999 *
-7.0	0.000	0.477	32.024	261.691 *	585.363 *	815.187 *	937.477 *	1028.095 *	1092.263 *	1142.938 *
-9.0	0.000	0.480	31.632	257.772 *	579.829 *	809.170 *	931.097 *	1022.551 *	1086.809 *	1137.238 *
-11.0	0.000	0.483	31.092	252.881 *	572.582 *	801.529 *	923.128 *	1015.613 *	1080.028 *	1129.885 *
-13.0	0.000	0.462	30.402	247.030 *	563.604 *	792.322 *	913.625 *	1007.319 *	1071.789 *	1121.229 *
-15.0	0.000	0.458	29.562	240.233 *	552.884 *	781.604 *	902.647 *	997.718 *	1061.824 *	1111.041 *
-17.0	0.000	0.452	28.571	232.506 *	540.418 *	769.438 *	889.828 *	985.187 *	1050.421 *	1098.985 *
-19.5	0.000	0.443	27.121	221.566 *	522.384 *	750.393 *	870.496 *	967.691 *	1034.057 *	1082.239 *
-22.5	0.000	0.429	25.071	206.606 *	498.065 *	723.120 *	844.530 *	942.393 *	1010.467 *	1058.938 *
-25.5	0.000	0.414	22.685	192.049 *	470.936 *	692.633 *	811.872 *	907.083 *	982.953 *	1032.330 *
-29.0	0.000	0.392	19.481	169.993 *	435.507 *	647.015 *	769.419 *	861.456 *	943.299 *	997.654 *
-33.0	0.000	0.364	15.275	144.562 *	391.970 *	586.643 *	703.746 *	806.061 *	872.005 *	943.140 *
-37.5	0.000	0.327	12.638	115.357	336.740 *	509.864 *	623.768 *	724.662 *	801.771 *	843.939 *
-42.5	0.000	0.279	9.502	85.387	264.313 *	412.299 *	519.165 *	616.294 *	684.575 *	740.224 *
-47.5	0.000	0.226	5.993	59.919	195.564 *	320.990 *	400.191 *	496.301 *	553.880 *	590.910 *
-55.0	0.000	0.136	3.562	30.877	105.056	181.369 *	233.614 *	294.496 *	336.314 *	367.139 *
-65.0	0.000	0.063	1.359	8.335	31.227	58.363	79.344	99.254	116.235	129.983
-75.0	0.000	0.045	0.505	1.642	4.603	7.710	11.873	14.809	16.782	20.043
-85.0	0.000	0.021	0.138	0.371	0.776	1.139	1.402	1.678	1.926	2.144
-90.0	0.000	0.009	0.027	0.083	0.255	0.384	0.502	0.652	0.788	0.908

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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	1.014	1.104	1.141	1.171	1.195	1.220	1.244	1.268	1.293	1.317
85.0	2.332	2.493	2.592	2.671	2.731	2.789	2.881	2.921	2.962	3.003
75.0	22.417	24.095	26.228	28.026	29.345	30.553	31.641	32.604	33.435	34.610
65.0	141.186 *	145.937 *	151.149 *	156.361 *	159.708 *	162.361 *	164.352 *	165.718 *	166.497 *	166.729 *
55.0	394.236 *	411.744 *	422.240 *	429.187 *	434.712 *	438.732 *	441.305 *	442.491 *	442.360 *	440.987 *
47.5	624.505 *	649.592 *	669.132 *	680.823 *	692.733 *	702.829 *	711.072 *	717.384 *	721.693 *	723.934 *
42.5	769.954 *	791.482 *	805.309 *	814.779 *	824.122 *	835.248 *	845.580 *	854.786 *	862.515 *	868.406 *
37.5	877.953 *	910.125 *	931.450 *	947.195 *	959.566 *	968.858 *	975.199 *	978.874 *	979.955 *	978.547 *
33.0	975.109 *	998.860 *	1023.045 *	1041.104 *	1054.704 *	1067.893 *	1077.007 *	1083.517 *	1088.673 *	1092.403 *
29.0	1031.892 *	1056.964 *	1081.062 *	1097.682 *	1109.782 *	1120.111 *	1129.134 *	1136.102 *	1141.216 *	1144.654 *
25.5	1068.419 *	1094.925 *	1118.393 *	1135.917 *	1147.893 *	1158.265 *	1167.373 *	1174.423 *	1179.855 *	1183.928 *
22.5	1095.156 *	1122.367 *	1146.469 *	1163.875 *	1176.209 *	1187.083 *	1196.516 *	1203.844 *	1209.391 *	1213.358 *
19.5	1118.873 *	1146.710 *	1171.103 *	1189.285 *	1201.826 *	1212.509 *	1221.917 *	1229.310 *	1235.082 *	1238.967 *
17.0	1136.347 *	1164.384 *	1189.499 *	1207.427 *	1220.325 *	1230.623 *	1240.105 *	1247.608 *	1253.810 *	1257.642 *
15.0	1148.458 *	1176.920 *	1202.181 *	1220.423 *	1232.417 *	1243.530 *	1252.625 *	1260.706 *	1266.780 *	1270.824 *
13.0	1159.160 *	1187.963 *	1212.941 *	1230.712 *	1243.474 *	1254.358 *	1263.916 *	1271.881 *	1278.371 *	1282.615 *
11.0	1168.577 *	1197.589 *	1222.341 *	1240.084 *	1252.434 *	1263.712 *	1273.694 *	1281.666 *	1288.020 *	1292.545 *
9.0	1175.737 *	1204.860 *	1229.634 *	1247.399 *	1260.246 *	1271.335 *	1281.336 *	1290.031 *	1295.658 *	1300.233 *
7.0	1181.456 *	1210.753 *	1235.718 *	1253.363 *	1265.932 *	1277.408 *	1287.465 *	1295.395 *	1301.697 *	1305.604 *
5.0	1185.766 *	1215.308 *	1240.596 *	1258.108 *	1270.396 *	1281.640 *	1291.775 *	1299.725 *	1305.301 *	1309.495 *
3.0	1188.591 *	1218.402 *	1243.685 *	1261.075 *	1273.457 *	1284.395 *	1294.004 *	1302.078 *	1308.205 *	1312.440 *
1.0	1189.874 *	1220.139 *	1245.242 *	1262.457 *	1275.131 *	1285.410 *	1294.696 *	1302.644 *	1309.023 *	1313.886 *
0.0	1189.925 *	1220.085 *	1245.495 *	1262.613 *	1275.052 *	1285.291 *	1294.450 *	1302.421 *	1308.855 *	1313.166 *
-1.0	1189.874 *	1220.139 *	1245.242 *	1262.457 *	1275.131 *	1285.410 *	1294.696 *	1302.644 *	1309.023 *	1313.886 *
-3.0	1188.591 *	1218.402 *	1243.685 *	1261.075 *	1273.457 *	1284.395 *	1294.004 *	1302.078 *	1308.205 *	1312.440 *
-5.0	1185.766 *	1215.308 *	1240.596 *	1258.108 *	1270.396 *	1281.640 *	1291.775 *	1299.725 *	1305.301 *	1309.495 *
-7.0	1181.456 *	1210.753 *	1235.718 *	1253.363 *	1265.932 *	1277.408 *	1287.465 *	1295.395 *	1301.697 *	1305.604 *
-9.0	1175.737 *	1204.860 *	1229.634 *	1247.399 *	1260.246 *	1271.335 *	1281.336 *	1290.031 *	1295.658 *	1300.233 *
-11.0	1168.577 *	1197.589 *	1222.341 *	1240.084 *	1252.434 *	1263.712 *	1273.694 *	1281.666 *	1288.020 *	1292.545 *
-13.0	1159.160 *	1187.963 *	1212.941 *	1230.712 *	1243.474 *	1254.358 *	1263.916 *	1271.881 *	1278.371 *	1282.615 *
-15.0	1148.458 *	1176.920 *	1202.181 *	1220.423 *	1232.417 *	1243.530 *	1252.625 *	1260.706 *	1266.780 *	1270.824 *
-17.0	1136.347 *	1164.384 *	1189.499 *	1207.427 *	1220.325 *	1230.623 *	1240.105 *	1247.608 *	1253.810 *	1257.642 *
-19.5	1118.873 *	1146.710 *	1171.103 *	1189.285 *	1201.826 *	1212.509 *	1221.917 *	1229.310 *	1235.082 *	1238.967 *
-22.5	1095.156 *	1122.367 *	1146.469 *	1163.875 *	1176.209 *	1187.083 *	1196.516 *	1203.847 *	1209.391 *	1213.358 *
-25.5	1068.419 *	1094.925 *	1118.393 *	1135.917 *	1147.893 *	1158.265 *	1167.373 *	1174.423 *	1179.855 *	1183.928 *
-29.0	1031.892 *	1056.964 *	1081.062 *	1097.682 *	1109.782 *	1120.111 *	1129.134 *	1136.102 *	1141.216 *	1144.654 *
-33.0	975.109 *	998.860 *	1023.045 *	1041.104 *	1054.704 *	1067.893 *	1077.007 *	1083.517 *	1088.673 *	1092.403 *
-37.5	877.953 *	910.125 *	931.450 *	947.195 *	959.566 *	968.858 *	975.199 *	978.874 *	979.955 *	978.547 *
-42.5	769.954 *	791.482 *	805.309 *	814.779 *	824.122 *	835.248 *	845.580 *	854.786 *	862.515 *	868.406 *
-47.5	624.505 *	649.592 *	669.132 *	680.906 *	692.733 *	702.829 *	711.072 *	717.384 *	721.693 *	723.934 *
-55.0	394.235 *	411.744 *	422.240 *	429.187 *	434.712 *	438.732 *	441.305 *	442.491 *	442.360 *	440.987 *
-65.0	141.186 *	145.937 *	151.149 *	156.361 *	159.708 *	162.361 *	164.352 *	165.718 *	166.497 *	166.729 *
-75.0	22.417	24.095	26.228	28.026	29.345	30.553	31.641	32.604	33.435	34.610
-85.0	2.332	2.490	2.592	2.671	2.731	2.789	2.881	2.921	2.962	3.003
-90.0	1.014	1.104	1.141	1.171	1.195	1.220	1.244	1.268	1.293	1.317

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	1.342	1.366	1.378	1.366	1.342	1.317	1.293	1.268	1.244	1.220
85.0	3.043	3.084	3.104	3.084	3.043	3.003	2.962	2.921	2.881	2.789
75.0	34.851	35.092	35.212	35.092	34.851	34.610	33.435	32.604	31.641	30.553
65.0	166.927 *	165.771 *	165.193 *	165.771 *	166.927 *	166.729 *	166.497 *	165.718 *	164.352 *	162.361 *

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CANDELA TABULATION - (Cont.)

55.0	439.560	* 434.959	* 432.657	* 434.959	* 439.560	* 440.987	* 442.360	* 442.491	* 441.305	* 438.732	*
47.5	726.540	* 722.267	* 720.128	* 722.267	* 726.540	* 723.934	* 721.693	* 717.384	* 711.072	* 702.830	*
42.5	875.387	* 873.586	* 872.684	* 873.586	* 875.387	* 868.406	* 862.515	* 854.786	* 845.580	* 835.248	*
37.5	974.777	* 969.045	* 965.036	* 969.045	* 974.777	* 978.547	* 979.955	* 978.874	* 975.199	* 968.858	*
33.0	1094.645	*1095.351	*1095.115	*1095.351	*1094.645	*1092.403	*1088.673	*1083.517	*1077.007	*1067.893	*
29.0	1146.732	*1147.377	*1147.143	*1147.377	*1146.732	*1144.654	*1141.216	*1136.102	*1129.134	*1120.111	*
25.5	1186.539	*1187.604	*1187.535	*1187.604	*1186.539	*1183.928	*1179.855	*1174.423	*1167.373	*1158.265	*
22.5	1215.708	*1216.632	*1216.203	*1216.632	*1215.708	*1213.358	*1209.391	*1203.847	*1196.516	*1187.083	*
19.5	1241.001	*1241.451	*1241.117	*1241.451	*1241.001	*1238.967	*1235.082	*1229.310	*1221.917	*1212.509	*
17.0	1259.543	*1259.756	*1259.295	*1259.756	*1259.543	*1257.642	*1253.810	*1247.608	*1240.105	*1230.623	*
15.0	1272.741	*1273.169	*1272.413	*1273.169	*1272.741	*1270.824	*1266.780	*1260.706	*1252.625	*1243.530	*
13.0	1284.519	*1284.894	*1284.439	*1284.894	*1284.518	*1282.615	*1278.371	*1271.881	*1263.916	*1254.358	*
11.0	1294.406	*1294.488	*1293.937	*1294.488	*1294.406	*1292.545	*1288.020	*1281.666	*1273.694	*1263.712	*
9.0	1302.531	*1302.148	*1301.418	*1302.148	*1302.531	*1300.233	*1295.658	*1290.031	*1281.336	*1271.335	*
7.0	1308.926	*1308.301	*1307.300	*1308.301	*1308.926	*1305.604	*1301.697	*1295.395	*1287.465	*1277.408	*
5.0	1312.920	*1313.658	*1311.902	*1313.658	*1312.920	*1309.495	*1305.301	*1299.725	*1291.775	*1281.640	*
3.0	1315.283	*1317.932	*1315.744	*1317.932	*1315.285	*1312.440	*1308.205	*1302.078	*1294.004	*1284.395	*
1.0	1317.955	*1319.240	*1318.967	*1319.240	*1317.955	*1313.886	*1309.023	*1302.644	*1294.696	*1285.410	*
0.0	1317.112	*1319.525	*1320.475	*1319.525	*1317.112	*1313.166	*1308.855	*1302.421	*1294.450	*1285.291	*
-1.0	1317.955	*1319.240	*1318.967	*1319.240	*1317.955	*1313.886	*1309.023	*1302.644	*1294.696	*1285.410	*
-3.0	1315.285	*1317.932	*1315.744	*1317.932	*1315.283	*1312.440	*1308.205	*1302.078	*1294.004	*1284.395	*
-5.0	1312.920	*1313.658	*1311.902	*1313.658	*1312.920	*1309.495	*1305.301	*1299.725	*1291.775	*1281.640	*
-7.0	1308.926	*1308.301	*1307.300	*1308.301	*1308.926	*1305.604	*1301.697	*1295.395	*1287.465	*1277.408	*
-9.0	1302.531	*1302.148	*1301.418	*1302.148	*1302.531	*1300.233	*1295.658	*1290.031	*1281.336	*1271.335	*
-11.0	1294.406	*1294.488	*1293.937	*1294.488	*1294.406	*1292.545	*1288.020	*1281.666	*1273.694	*1263.712	*
-13.0	1284.518	*1284.894	*1284.439	*1284.894	*1284.518	*1282.615	*1278.371	*1271.881	*1263.916	*1254.358	*
-15.0	1272.741	*1273.169	*1272.413	*1273.169	*1272.741	*1270.824	*1266.780	*1260.706	*1252.625	*1243.530	*
-17.0	1259.543	*1259.756	*1259.295	*1259.756	*1259.543	*1257.642	*1253.810	*1247.608	*1240.105	*1230.623	*
-19.5	1241.001	*1241.451	*1241.117	*1241.451	*1241.001	*1238.967	*1235.082	*1229.310	*1221.917	*1212.509	*
-22.5	1215.708	*1216.632	*1216.203	*1216.632	*1215.708	*1213.358	*1209.391	*1203.844	*1196.516	*1187.083	*
-25.5	1186.539	*1187.604	*1187.535	*1187.604	*1186.539	*1183.928	*1179.855	*1174.423	*1167.373	*1158.265	*
-29.0	1146.732	*1147.377	*1147.143	*1147.377	*1146.732	*1144.654	*1141.216	*1136.102	*1129.134	*1120.111	*
-33.0	1094.645	*1095.351	*1095.115	*1095.351	*1094.645	*1092.403	*1088.673	*1083.517	*1077.007	*1067.893	*
-37.5	974.777	* 969.045	* 965.036	* 969.045	* 974.777	* 978.547	* 979.955	* 978.874	* 975.199	* 968.858	*
-42.5	875.387	* 873.586	* 872.684	* 873.586	* 875.387	* 868.406	* 862.515	* 854.786	* 845.580	* 835.248	*
-47.5	726.540	* 722.267	* 720.128	* 722.267	* 726.540	* 723.934	* 721.693	* 717.384	* 711.072	* 702.829	*
-55.0	439.560	* 434.959	* 432.657	* 434.959	* 439.560	* 440.987	* 442.360	* 442.491	* 441.305	* 438.732	*
-65.0	166.927	* 165.771	* 165.193	* 165.771	* 166.927	* 166.729	* 166.497	* 165.718	* 164.352	* 162.361	*
-75.0	34.851	35.092	35.212	35.092	34.851	34.610	33.435	32.604	31.641	30.553	
-85.0	3.043	3.084	3.104	3.084	3.043	3.003	2.962	2.921	2.881	2.789	
-90.0	1.342	1.366	1.378	1.366	1.342	1.317	1.293	1.268	1.244	1.220	

Vert. 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	1.195	1.171	1.141	1.104	1.014	0.908	0.788	0.652	0.502	0.384
85.0	2.731	2.671	2.592	2.490	2.332	2.144	1.926	1.678	1.402	1.139
75.0	29.345	28.026	26.228	24.095	22.417	20.043	16.782	14.809	11.873	7.710
65.0	159.708	* 156.361	* 151.149	* 145.937	* 141.186	* 129.983	116.235	99.254	79.344	58.363
55.0	434.712	* 429.187	* 422.240	* 411.744	* 394.235	* 367.139	* 336.314	* 294.496	* 233.614	* 181.369
47.5	692.733	* 680.906	* 669.132	* 649.592	* 624.505	* 590.910	* 553.880	* 496.301	* 400.191	* 320.990
42.5	824.122	* 814.779	* 805.309	* 791.482	* 769.954	* 740.224	* 684.575	* 616.294	* 519.165	* 412.299
37.5	959.566	* 947.195	* 931.450	* 910.125	* 877.953	* 843.939	* 801.771	* 724.662	* 623.768	* 509.864
33.0	1054.704	*1041.104	*1023.045	*998.860	* 975.109	* 943.140	* 872.005	* 806.061	* 703.746	* 586.643
29.0	1109.782	*1097.682	*1081.062	*1056.964	*1031.892	*997.654	* 943.299	* 861.456	* 769.419	* 647.015
25.5	1147.893	*1135.917	*1118.393	*1094.925	*1068.419	*1032.330	*982.953	* 907.083	* 811.872	* 692.633

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-30.IES

CANDELA TABULATION - (Cont.)

22.5	1176.209	*1163.875	*1146.469	*1122.367	*1095.156	*1058.938	*1010.467	*942.393	* 844.529	* 723.120	*
19.5	1201.826	*1189.285	*1171.103	*1146.710	*1118.873	*1082.239	*1034.057	*967.691	* 870.496	* 750.393	*
17.0	1220.325	*1207.427	*1189.499	*1164.384	*1136.347	*1098.985	*1050.421	*985.187	* 889.828	* 769.438	*
15.0	1232.417	*1220.423	*1202.181	*1176.920	*1148.458	*1111.041	*1061.824	*997.718	* 902.647	* 781.604	*
13.0	1243.474	*1230.712	*1212.941	*1187.963	*1159.160	*1121.229	*1071.789	*1007.319	*913.625	* 792.322	*
11.0	1252.434	*1240.084	*1222.341	*1197.589	*1168.577	*1129.885	*1080.028	*1015.613	*923.128	* 801.529	*
9.0	1260.246	*1247.399	*1229.634	*1204.860	*1175.737	*1137.238	*1086.809	*1022.551	*931.097	* 809.170	*
7.0	1265.932	*1253.363	*1235.718	*1210.753	*1181.456	*1142.938	*1092.263	*1028.095	*937.477	* 815.187	*
5.0	1270.396	*1258.108	*1240.596	*1215.308	*1185.766	*1146.999	*1096.336	*1032.212	*942.219	* 819.533	*
3.0	1273.457	*1261.075	*1243.685	*1218.402	*1188.591	*1149.640	*1098.981	*1034.881	*947.236	* 824.170	*
1.0	1275.131	*1262.457	*1245.242	*1220.139	*1189.874	*1150.832	*1100.165	*1036.273	*946.850	* 823.259	*
0.0	1275.052	*1262.613	*1245.495	*1220.085	*1189.925	*1150.880	*1100.202	*1036.148	*946.657	* 822.802	*
-1.0	1275.131	*1262.457	*1245.242	*1220.139	*1189.874	*1150.832	*1100.165	*1036.273	*946.850	* 823.259	*
-3.0	1273.457	*1261.075	*1243.685	*1218.402	*1188.591	*1149.640	*1098.981	*1034.881	*947.236	* 824.170	*
-5.0	1270.396	*1258.108	*1240.596	*1215.308	*1185.766	*1146.999	*1096.336	*1032.212	*942.219	* 819.533	*
-7.0	1265.932	*1253.363	*1235.718	*1210.753	*1181.456	*1142.938	*1092.263	*1028.095	*937.477	* 815.187	*
-9.0	1260.246	*1247.399	*1229.634	*1204.860	*1175.737	*1137.238	*1086.809	*1022.551	*931.097	* 809.170	*
-11.0	1252.434	*1240.084	*1222.341	*1197.589	*1168.577	*1129.885	*1080.028	*1015.613	*923.128	* 801.529	*
-13.0	1243.474	*1230.712	*1212.941	*1187.963	*1159.160	*1121.229	*1071.789	*1007.319	*913.625	* 792.322	*
-15.0	1232.417	*1220.423	*1202.181	*1176.920	*1148.458	*1111.041	*1061.824	*997.718	* 902.647	* 781.604	*
-17.0	1220.325	*1207.427	*1189.499	*1164.384	*1136.347	*1098.985	*1050.421	*985.187	* 889.828	* 769.438	*
-19.5	1201.826	*1189.285	*1171.103	*1146.710	*1118.873	*1082.239	*1034.057	*967.691	* 870.496	* 750.393	*
-22.5	1176.209	*1163.875	*1146.469	*1122.367	*1095.156	*1058.938	*1010.467	*942.393	* 844.530	* 723.120	*
-25.5	1147.893	*1135.917	*1118.393	*1094.925	*1068.419	*1032.330	*982.953	* 907.083	* 811.872	* 692.633	*
-29.0	1109.782	*1097.682	*1081.062	*1056.964	*1031.892	*997.654	* 943.299	* 861.456	* 769.419	* 647.015	*
-33.0	1054.704	*1041.104	*1023.045	*998.860	* 975.109	* 943.140	* 872.005	* 806.061	* 703.746	* 586.643	*
-37.5	959.566	* 947.195	* 931.450	* 910.125	* 877.953	* 843.939	* 801.771	* 724.662	* 623.768	* 509.864	*
-42.5	824.122	* 814.779	* 805.309	* 791.482	* 769.954	* 740.224	* 684.575	* 616.294	* 519.165	* 412.299	*
-47.5	692.733	* 680.823	* 669.132	* 649.592	* 624.505	* 590.910	* 553.880	* 496.301	* 400.191	* 320.990	*
-55.0	434.712	* 429.187	* 422.240	* 411.744	* 394.235	* 367.139	* 336.314	* 294.496	* 233.614	* 181.369	*
-65.0	159.708	* 156.361	* 151.149	* 145.937	* 141.186	* 129.983	116.235	99.254	79.344	58.363	
-75.0	29.345	28.026	26.228	24.095	22.417	20.043	16.782	14.809	11.873	7.710	
-85.0	2.731	2.671	2.592	2.493	2.332	2.144	1.926	1.678	1.402	1.139	
-90.0	1.195	1.171	1.141	1.104	1.014	0.908	0.788	0.652	0.502	0.384	

Vert. Angles **Horizontal Angles**

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0.255	0.083	0.027	0.009	0.000
85.0	0.776	0.371	0.138	0.021	0.000
75.0	4.603	1.642	0.505	0.045	0.000
65.0	31.227	8.335	1.359	0.063	0.000
55.0	105.056	30.877	3.562	0.136	0.000
47.5	195.564	* 59.919	5.993	0.226	0.000
42.5	264.313	* 85.387	9.502	0.279	0.000
37.5	336.740	* 115.357	12.638	0.327	0.000
33.0	391.970	* 144.562	* 15.275	0.364	0.000
29.0	435.507	* 169.993	* 19.481	0.392	0.000
25.5	470.936	* 192.049	* 22.685	0.414	0.000
22.5	498.065	* 206.606	* 25.071	0.429	0.000
19.5	522.384	* 221.566	* 27.121	0.443	0.000
17.0	540.418	* 232.506	* 28.571	0.452	0.000
15.0	552.884	* 240.233	* 29.562	0.458	0.000
13.0	563.604	* 247.030	* 30.402	0.462	0.000
11.0	572.582	* 252.881	* 31.092	0.483	0.000
9.0	579.829	* 257.772	* 31.632	0.480	0.000

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-30.IES

CANDELA TABULATION - (Cont.)

7.0	585.363	*	261.691	*	32.024	0.477	0.000
5.0	589.210	*	264.628	*	32.714	0.473	0.000
3.0	593.174	*	267.701	*	32.529	0.470	0.000
1.0	592.167	*	267.644	*	32.343	0.465	0.000
0.0	591.663	*	267.615	*	32.250	0.465	0.000
-1.0	592.167	*	267.644	*	32.343	0.467	0.000
-3.0	593.174	*	267.701	*	32.529	0.470	0.000
-5.0	589.210	*	264.628	*	32.714	0.473	0.000
-7.0	585.363	*	261.691	*	32.024	0.477	0.000
-9.0	579.829	*	257.772	*	31.632	0.480	0.000
-11.0	572.582	*	252.881	*	31.092	0.483	0.000
-13.0	563.604	*	247.030	*	30.402	0.462	0.000
-15.0	552.884	*	240.233	*	29.562	0.458	0.000
-17.0	540.418	*	232.506	*	28.571	0.452	0.000
-19.5	522.384	*	221.566	*	27.121	0.443	0.000
-22.5	498.065	*	206.606	*	25.071	0.429	0.000
-25.5	470.936	*	192.049	*	22.685	0.414	0.000
-29.0	435.507	*	169.993	*	19.481	0.392	0.000
-33.0	391.970	*	144.562	*	15.275	0.364	0.000
-37.5	336.740	*	115.357	*	12.638	0.327	0.000
-42.5	264.313	*	85.387	*	9.502	0.279	0.000
-47.5	195.564	*	59.919	*	5.993	0.226	0.000
-55.0	105.056	*	30.877	*	3.562	0.136	0.000
-65.0	31.227	*	8.335	*	1.359	0.063	0.000
-75.0	4.603	*	1.642	*	0.505	0.045	0.000
-85.0	0.776	*	0.371	*	0.138	0.021	0.000
-90.0	0.255	*	0.083	*	0.027	0.009	0.000

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-30.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 1570.00

Total Field Lumens (one side of beam only) = 1531.72

* 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	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.11
65	0.31	0.61	0.61	0.61	0.60	0.59	0.58	0.56	0.55	0.65
55	0.91 *	1.84 *	1.84 *	1.84 *	1.84 *	1.84 *	1.82 *	1.80 *	1.77 *	2.10 *
47.5	1.32 *	2.65 *	2.66 *	2.65 *	2.63 *	2.60 *	2.56 *	2.51 *	2.46 *	2.99 *
42.5	1.21 *	2.43 *	2.43 *	2.41 *	2.38 *	2.35 *	2.31 *	2.26 *	2.21 *	2.68 *
37.5	1.40 *	2.81 *	2.81 *	2.79 *	2.77 *	2.74 *	2.70 *	2.65 *	2.60 *	3.16 *
33	1.41 *	2.83 *	2.83 *	2.82 *	2.80 *	2.78 *	2.74 *	2.69 *	2.64 *	3.21 *
29	1.37 *	2.73 *	2.72 *	2.71 *	2.68 *	2.66 *	2.62 *	2.57 *	2.52 *	3.07 *
25.5	1.24 *	2.49 *	2.48 *	2.46 *	2.44 *	2.42 *	2.39 *	2.35 *	2.30 *	2.81 *
22.5	1.10 *	2.19 *	2.19 *	2.18 *	2.16 *	2.13 *	2.10 *	2.07 *	2.03 *	2.48 *
19.5	1.12 *	2.24 *	2.24 *	2.23 *	2.21 *	2.18 *	2.15 *	2.12 *	2.08 *	2.53 *
17	0.95 *	1.90 *	1.90 *	1.89 *	1.87 *	1.85 *	1.83 *	1.80 *	1.76 *	2.15 *
15	0.77 *	1.54 *	1.54 *	1.53 *	1.52 *	1.50 *	1.48 *	1.46 *	1.43 *	1.74 *
13	0.78 *	1.56 *	1.55 *	1.54 *	1.53 *	1.51 *	1.49 *	1.47 *	1.44 *	1.76 *
11	0.79 *	1.57 *	1.57 *	1.56 *	1.54 *	1.53 *	1.51 *	1.48 *	1.45 *	1.77 *
9	0.79 *	1.58 *	1.58 *	1.57 *	1.56 *	1.54 *	1.52 *	1.49 *	1.46 *	1.79 *
7	0.79 *	1.59 *	1.59 *	1.58 *	1.56 *	1.55 *	1.52 *	1.50 *	1.47 *	1.80 *
5	0.80 *	1.60 *	1.59 *	1.58 *	1.57 *	1.55 *	1.53 *	1.51 *	1.48 *	1.80 *
3	0.80 *	1.60 *	1.60 *	1.59 *	1.57 *	1.56 *	1.53 *	1.51 *	1.48 *	1.81 *
1	0.80 *	1.60 *	1.60 *	1.59 *	1.58 *	1.56 *	1.54 *	1.51 *	1.49 *	1.81 *
0	0.40 *	0.80 *	0.80 *	0.79 *	0.79 *	0.78 *	0.77 *	0.76 *	0.74 *	0.91 *
-1	0.40 *	0.80 *	0.80 *	0.79 *	0.79 *	0.78 *	0.77 *	0.76 *	0.74 *	0.91 *
	0.80 *	1.60 *	1.60 *	1.59 *	1.58 *	1.56 *	1.54 *	1.51 *	1.49 *	1.81 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-30.IES

LUMENS TABULATION - (Cont.)

-3	0.80 *	1.60 *	1.60 *	1.59 *	1.57 *	1.56 *	1.53 *	1.51 *	1.48 *	1.81 *
-5	0.80 *	1.60 *	1.59 *	1.58 *	1.57 *	1.55 *	1.53 *	1.51 *	1.48 *	1.80 *
-7	0.79 *	1.59 *	1.59 *	1.58 *	1.56 *	1.55 *	1.52 *	1.50 *	1.47 *	1.80 *
-9	0.79 *	1.58 *	1.58 *	1.57 *	1.56 *	1.54 *	1.52 *	1.49 *	1.46 *	1.79 *
-11	0.79 *	1.57 *	1.57 *	1.56 *	1.54 *	1.53 *	1.51 *	1.48 *	1.45 *	1.77 *
-13	0.78 *	1.56 *	1.55 *	1.54 *	1.53 *	1.51 *	1.49 *	1.47 *	1.44 *	1.76 *
-15	0.77 *	1.54 *	1.54 *	1.53 *	1.52 *	1.50 *	1.48 *	1.46 *	1.43 *	1.74 *
-17	0.95 *	1.90 *	1.90 *	1.89 *	1.87 *	1.85 *	1.83 *	1.80 *	1.76 *	2.15 *
-19.5	1.12 *	2.24 *	2.24 *	2.23 *	2.21 *	2.18 *	2.15 *	2.12 *	2.08 *	2.53 *
-22.5	1.10 *	2.19 *	2.19 *	2.18 *	2.16 *	2.13 *	2.10 *	2.07 *	2.03 *	2.48 *
-25.5	1.24 *	2.49 *	2.48 *	2.46 *	2.44 *	2.42 *	2.39 *	2.35 *	2.30 *	2.81 *
-29	1.37 *	2.73 *	2.72 *	2.71 *	2.68 *	2.66 *	2.62 *	2.57 *	2.52 *	3.07 *
-33	1.41 *	2.83 *	2.83 *	2.82 *	2.80 *	2.78 *	2.74 *	2.69 *	2.64 *	3.21 *
-37.5	1.40 *	2.81 *	2.81 *	2.79 *	2.77 *	2.74 *	2.70 *	2.65 *	2.60 *	3.16 *
-42.5	1.21 *	2.43 *	2.43 *	2.41 *	2.38 *	2.35 *	2.31 *	2.26 *	2.21 *	2.68 *
-47.5	1.32 *	2.65 *	2.66 *	2.65 *	2.63 *	2.60 *	2.56 *	2.51 *	2.46 *	2.99 *
-55	0.91 *	1.84 *	1.84 *	1.84 *	1.84 *	1.82 *	1.80 *	1.77 *	1.73 *	2.10 *
-65	0.31	0.61	0.61	0.61	0.60	0.59	0.58	0.56	0.55	0.65
-75	0.06	0.12	0.11	0.11	0.11	0.11	0.10	0.10	0.09	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	38.28	76.61	76.45	76.04	75.44	74.60	73.55	72.28	70.82	86.25

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	0.11	0.11	0.10	0.09	0.06	0.05	0.03	0.01
75	0.74	0.70	0.74	0.74	0.69	0.60	0.42	0.36	0.17	0.03
65	2.41 *	2.28 *	2.45 *	2.48 *	2.37 *	2.06 *	1.49 *	1.34	0.67	0.11
55	3.44 *	3.26 *	3.51 *	3.62 *	3.53 *	3.12 *	2.29 *	2.15 *	1.12	0.20

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-30.IES

LUMENS TABULATION - (Cont.)

47.5										
	3.11 *	2.96 *	3.23 *	3.35 *	3.29 *	2.96 *	2.22 *	2.13 *	1.15 *	0.21
42.5										
	3.67 *	3.50 *	3.83 *	4.01 *	3.96 *	3.62 *	2.78 *	2.72 *	1.52 *	0.29
37.5										
	3.71 *	3.53 *	3.88 *	4.07 *	4.03 *	3.75 *	2.94 *	2.93 *	1.69 *	0.34
33										
	3.55 *	3.39 *	3.74 *	3.92 *	3.90 *	3.66 *	2.91 *	2.95 *	1.74 *	0.36
29										
	3.25 *	3.11 *	3.42 *	3.61 *	3.62 *	3.42 *	2.75 *	2.81 *	1.69 *	0.37
25.5										
	2.87 *	2.74 *	3.02 *	3.20 *	3.23 *	3.07 *	2.48 *	2.56 *	1.56 *	0.35
22.5										
	2.93 *	2.81 *	3.10 *	3.28 *	3.32 *	3.17 *	2.57 *	2.67 *	1.65 *	0.37
19.5										
	2.49 *	2.38 *	2.63 *	2.78 *	2.82 *	2.71 *	2.21 *	2.31 *	1.44 *	0.33
17										
	2.02 *	1.93 *	2.13 *	2.26 *	2.29 *	2.20 *	1.80 *	1.89 *	1.19 *	0.28 *
15										
	2.04 *	1.95 *	2.15 *	2.28 *	2.32 *	2.23 *	1.83 *	1.92 *	1.22 *	0.28 *
13										
	2.06 *	1.97 *	2.17 *	2.30 *	2.34 *	2.25 *	1.85 *	1.95 *	1.24 *	0.29 *
11										
	2.07 *	1.98 *	2.19 *	2.32 *	2.35 *	2.27 *	1.87 *	1.97 *	1.26 *	0.30 *
9										
	2.08 *	1.99 *	2.20 *	2.33 *	2.37 *	2.29 *	1.88 *	1.99 *	1.28 *	0.30 *
7										
	2.09 *	2.00 *	2.21 *	2.34 *	2.38 *	2.30 *	1.89 *	2.01 *	1.29 *	0.31 *
5										
	2.10 *	2.01 *	2.21 *	2.35 *	2.39 *	2.31 *	1.90 *	2.02 *	1.30 *	0.31 *
3										
	2.10 *	2.01 *	2.22 *	2.35 *	2.39 *	2.31 *	1.91 *	2.02 *	1.31 *	0.31 *
1										
	1.05 *	1.01 *	1.11 *	1.18 *	1.20 *	1.16 *	0.95 *	1.01 *	0.65 *	0.16 *
0										
	1.05 *	1.01 *	1.11 *	1.18 *	1.20 *	1.16 *	0.95 *	1.01 *	0.65 *	0.16 *
-1										
	2.10 *	2.01 *	2.22 *	2.35 *	2.39 *	2.31 *	1.91 *	2.02 *	1.31 *	0.31 *
-3										
	2.10 *	2.01 *	2.21 *	2.35 *	2.39 *	2.31 *	1.90 *	2.02 *	1.30 *	0.31 *
-5										
	2.09 *	2.00 *	2.21 *	2.34 *	2.38 *	2.30 *	1.89 *	2.01 *	1.29 *	0.31 *
-7										
	2.08 *	1.99 *	2.20 *	2.33 *	2.37 *	2.29 *	1.88 *	1.99 *	1.28 *	0.30 *
-9										
	2.07 *	1.98 *	2.19 *	2.32 *	2.35 *	2.27 *	1.87 *	1.97 *	1.26 *	0.30 *
-11										
	2.06 *	1.97 *	2.17 *	2.30 *	2.34 *	2.25 *	1.85 *	1.95 *	1.24 *	0.29 *
-13										
	2.04 *	1.95 *	2.15 *	2.28 *	2.32 *	2.23 *	1.83 *	1.92 *	1.22 *	0.28 *
-15										
	2.02 *	1.93 *	2.13 *	2.26 *	2.29 *	2.20 *	1.80 *	1.89 *	1.19 *	0.28 *
-17										
	2.49 *	2.38 *	2.63 *	2.78 *	2.82 *	2.71 *	2.21 *	2.31 *	1.44 *	0.33
-19.5										
	2.93 *	2.81 *	3.10 *	3.28 *	3.32 *	3.17 *	2.57 *	2.67 *	1.65 *	0.37

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-30.IES

LUMENS TABULATION - (Cont.)

-22.5	2.87 *	2.74 *	3.02 *	3.20 *	3.23 *	3.07 *	2.48 *	2.56 *	1.56 *	0.35
-25.5	3.25 *	3.11 *	3.42 *	3.61 *	3.62 *	3.42 *	2.75 *	2.81 *	1.69 *	0.37
-29	3.55 *	3.39 *	3.74 *	3.92 *	3.90 *	3.66 *	2.91 *	2.95 *	1.74 *	0.36
-33	3.71 *	3.53 *	3.88 *	4.07 *	4.03 *	3.75 *	2.94 *	2.93 *	1.69 *	0.34
-37.5	3.67 *	3.50 *	3.83 *	4.01 *	3.96 *	3.62 *	2.78 *	2.72 *	1.52 *	0.29
-42.5	3.11 *	2.96 *	3.23 *	3.35 *	3.29 *	2.96 *	2.22 *	2.13 *	1.15 *	0.21
-47.5	3.44 *	3.26 *	3.51 *	3.62 *	3.53 *	3.12 *	2.29 *	2.15 *	1.12	0.20
-55	2.41 *	2.28 *	2.45 *	2.48 *	2.37 *	2.06 *	1.49 *	1.34	0.67	0.11
-65	0.74	0.70	0.74	0.74	0.69	0.60	0.42	0.36	0.17	0.03
-75	0.12	0.11	0.11	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	99.81	95.22	104.50	109.73	109.73	103.08	82.01	83.56	50.40	11.03

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	1.79	
75				
	0.00	0.00	10.88	
65				
	0.01	0.00	35.15	
55				
	0.01	0.00	51.26	
47.5				
	0.01	0.00	47.29	
42.5				
	0.02	0.00	56.34	
37.5				
	0.02	0.00	57.65	
33				
	0.02	0.00	55.79	
29				
	0.02	0.00	51.44	
25.5				
	0.02	0.00	45.72	
22.5				
	0.02	0.00	47.00	
19.5				
	0.02	0.00	40.03	
17				
	0.02	0.00	32.51	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-30.IES

LUMENS TABULATION - (Cont.)

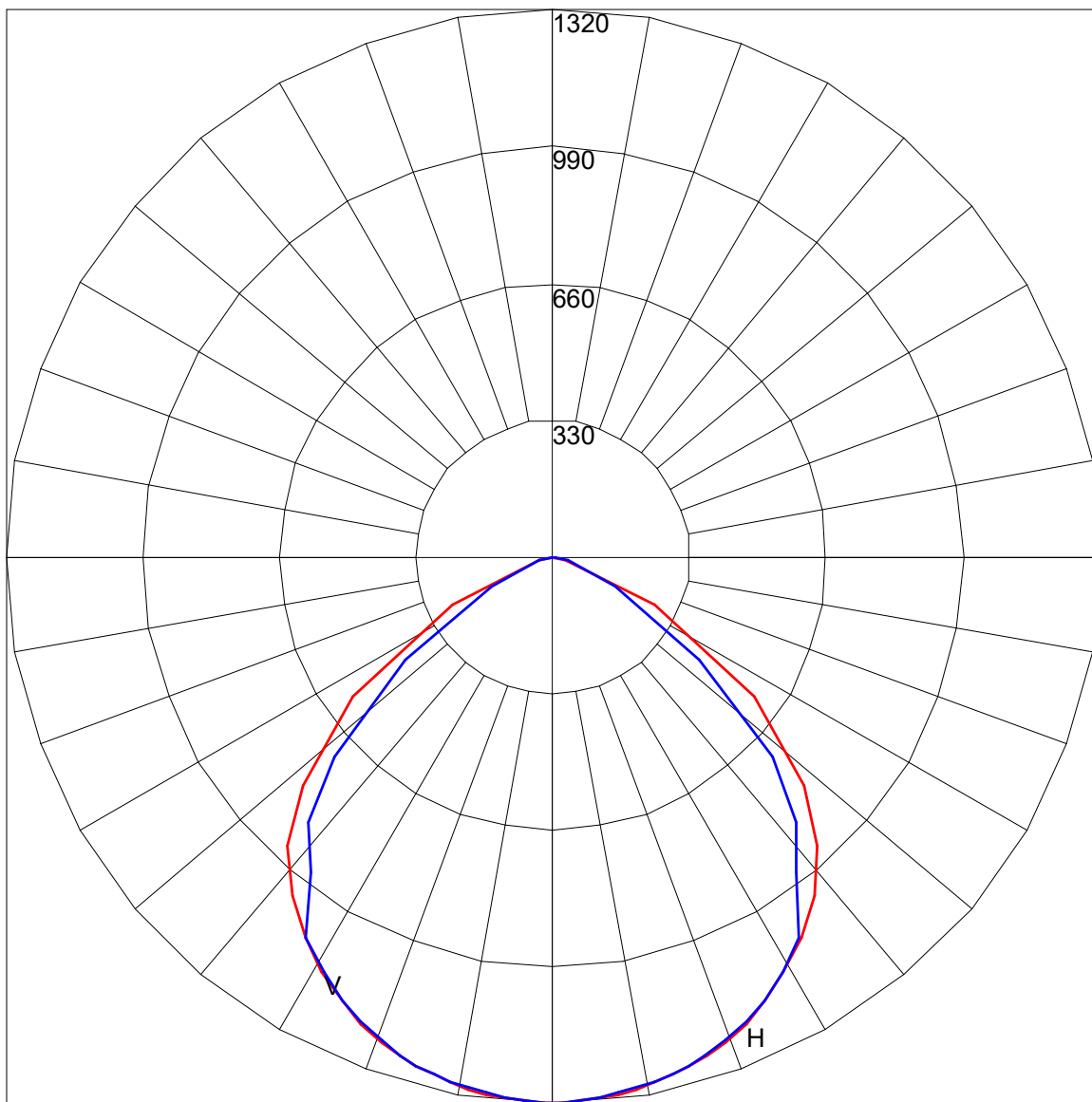
15			
	0.02	0.00	32.88
13			
	0.02	0.00	33.20
11			
	0.02	0.00	33.46
9			
	0.02	0.00	33.68
7			
	0.02	0.00	33.84
5			
	0.02	0.00	33.96
3			
	0.02	0.00	34.02
1			
	0.01	0.00	17.02
0			
	0.01	0.00	17.02
-1			
	0.02	0.00	34.02
-3			
	0.02	0.00	33.96
-5			
	0.02	0.00	33.84
-7			
	0.02	0.00	33.68
-9			
	0.02	0.00	33.46
-11			
	0.02	0.00	33.20
-13			
	0.02	0.00	32.88
-15			
	0.02	0.00	32.51
-17			
	0.02	0.00	40.03
-19.5			
	0.02	0.00	47.00
-22.5			
	0.02	0.00	45.72
-25.5			
	0.02	0.00	51.44
-29			
	0.02	0.00	55.79
-33			
	0.02	0.00	57.65
-37.5			
	0.02	0.00	56.34
-42.5			
	0.01	0.00	47.29
-47.5			
	0.01	0.00	51.26
-55			
	0.01	0.00	35.15
-65			
	0.00	0.00	10.88

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TSFL-LED-03L-W-30.IES

LUMENS TABULATION - (Cont.)

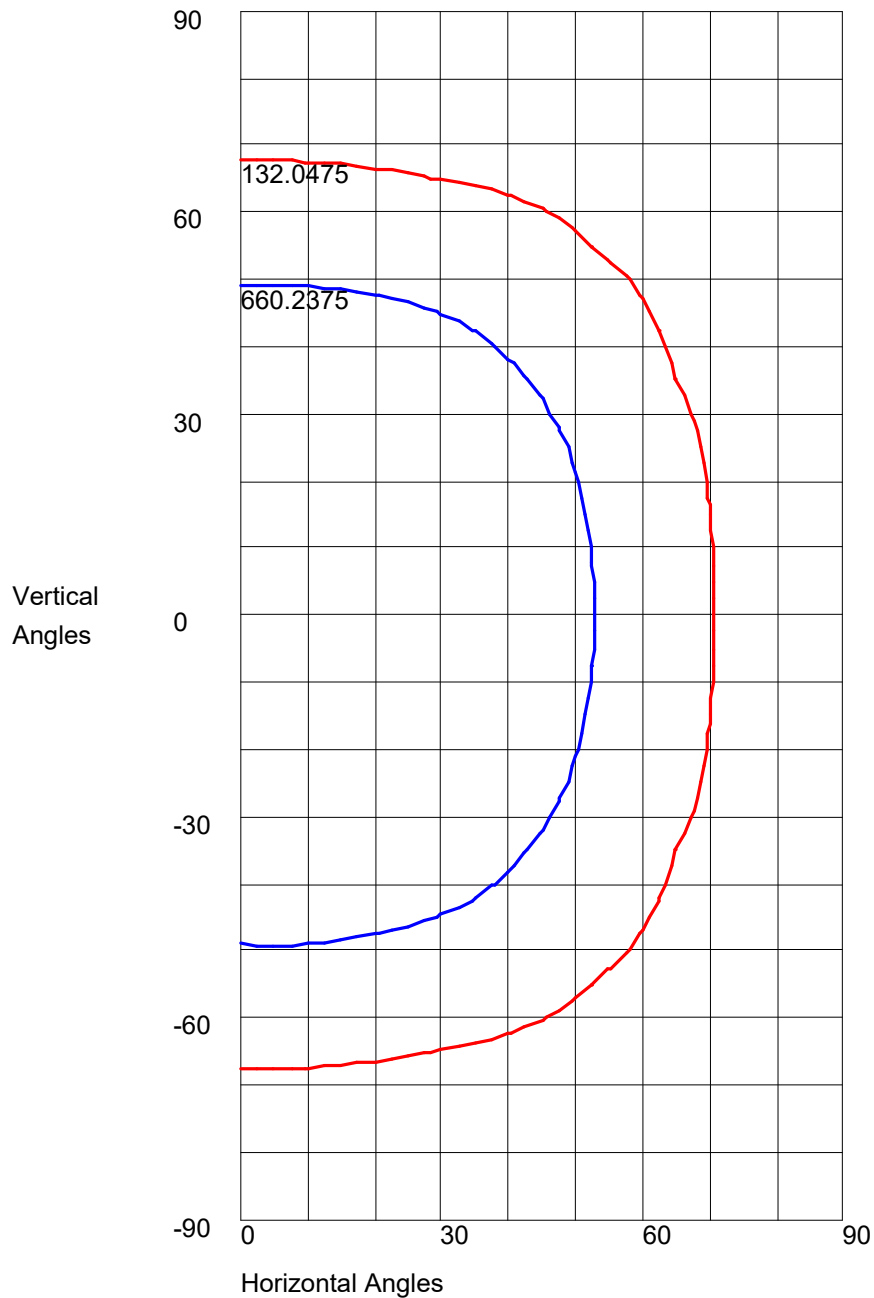
-75	0.00	0.00	1.79
-85	0.00	0.00	0.12
-90			
Total	0.61	0.00	1570.00

AXIAL CANDELA DISPLAY



Maximum Candela = 1320.475 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 1320.475 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 660.2375
10% Maximum Candela = 132.0475