

## IES FLOOD REPORT

PHOTOMETRIC FILENAME : RLL1571 LED20PCS 700MA 20121110\_IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-79-08  
[TEST] QC-1686  
[TESTLAB] ESCO LIGHTING  
[TESTDATE] 2012-11-10  
[ISSUEDATE] 2012-11-10 17:08:30  
[LAMPPOSITION] 0,0  
[OTHER] EVERFINE GO-R3000(2M3D) SYSTEM  
[MANUFAC] ESCO LIGHTING  
[LUMCAT] FLL1571  
[LUMINAIRE] LED20PCS with frame,glass  
[LAMP] XTE 4700K  
[BALLAST] LF-1048-88  
[LUMEN PER WATT] 77.830lm/W  
[TEMPERATURE] 25.5°C TEST 15:00~~~17:00

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

### CHARACTERISTICS

NEMA Type	7 H x 7 V
Maximum Candela	1207.842
Maximum Candela Angle	-11H 0V
Horizontal Beam Angle (50%)	109.4
Vertical Beam Angle (50%)	121.4
Horizontal Field Angle (10%)	158.4
Vertical Field Angle (10%)	158.0
Lumens Per Lamp	4206 (1 lamp)
Total Lamp Lumens	4206
Beam Lumens	2926
Beam Efficiency	70 %
Field Lumens	3559
Field Efficiency	85 %
Spill Lumens	69
Luminaire Lumens	3628
Total Efficiency	86 %
Total Luminaire Watts	46.6
Ballast Factor	0.99



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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	.006	90	.02
85	3.02	85	9.98
75	206.43	75	202.59
65	415.65	65	475.9
55	591.93	55	753.77
47.5	891.06	47.5	882.135
42.5	969.925	42.5	950.88
37.5	1034.085	37.5	1014.805
33	1080.608	33	1061.432
29	1111.204	29	1093.03
25.5	1144.433	25.5	1117.25
22.5	1169.115	22.5	1129.965
19.5	1190.878	19.5	1142.032
17	1200.018	17	1156.092
15	1207.33	15	1167.34
13	1207.586	13	1173.112
11	1207.842	11	1178.884
9	1207.72	9	1183.598
7	1207.22	7	1187.254
5	1206.72	5	1190.91
3	1203.384	3	1193.898
1	1200.047	1	1196.885
0	1198.379	0	1198.379
-1	1200.047	-1	1197.841
-3	1203.384	-3	1196.766
-5	1206.72	-5	1195.69
-7	1207.22	-7	1190.782
-9	1207.72	-9	1185.874
-11	1207.842	-11	1182.332
-13	1207.586	-13	1180.156
-15	1207.33	-15	1177.98
-17	1200.018	-17	1170.64
-19.5	1190.878	-19.5	1161.465
-22.5	1169.115	-22.5	1147.11
-25.5	1144.433	-25.5	1130.647
-29	1111.204	-29	1103.046
-33	1080.608	-33	1071.706
-37.5	1034.085	-37.5	1035.995
-42.5	969.925	-42.5	983.075
-47.5	891.06	-47.5	906.93
-55	591.93	-55	765.41
-65	415.65	-65	516.21
-75	206.43	-75	207.92
-85	3.02	-85	18.07
-90	.006	-90	.036

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**CANDELA TABULATION**

Maximum Candela = 1207.842  
 Beam Edge = 603.921 Cd (50% of Max.)  
 Field Edge = 120.7842 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	0.000	0.002	0.003	0.005	0.009	0.008	0.010	0.016	0.020
85.0	0.001	0.172	0.804	1.408	2.546	4.666	3.785	4.761	7.862	9.929
75.0	0.002	0.520	2.243	19.586	44.692	76.700	95.533	109.489	124.251 *	136.608 *
65.0	0.003	0.875	19.641	77.040	163.820 *	223.475 *	252.303 *	279.365 *	333.054 *	391.213 *
55.0	0.003	1.240	48.724	183.697 *	280.042 *	358.831 *	408.259 *	506.527 *	598.240 *	660.663 *
47.5	0.004	1.518	68.585	242.724 *	356.297 *	456.577 *	582.663 *	688.063 *	747.914 *	785.468 *
42.5	0.004	1.704	90.847	272.556 *	403.335 *	504.521 *	667.683 *	778.992 *	820.300 *	854.620 *
37.5	0.005	1.890	112.451	300.132 *	444.581 *	590.535 *	746.377 *	834.957 *	882.061 *	915.849 *
33.0	0.005	2.054	130.827 *	321.574 *	478.717 *	661.937 *	793.681 *	875.897 *	928.704 *	961.371 *
29.0	0.005	2.197	145.777 *	338.040 *	503.374 *	705.982 *	844.095 *	906.745 *	958.446 *	1000.188 *
25.5	0.005	2.318	157.708 *	350.745 *	524.609 *	748.528 *	872.698 *	931.358 *	980.734 *	1019.760 *
22.5	0.006	2.419	167.029 *	360.306 *	537.555 *	787.002 *	895.499 *	953.307 *	996.378 *	1036.401 *
19.5	0.006	2.517	175.472 *	371.787 *	545.838 *	820.523 *	916.536 *	974.217 *	1016.149 *	1052.622 *
17.0	0.006	2.595	181.809 *	380.653 *	549.367 *	838.730 *	924.875 *	990.696 *	1030.794 *	1064.248 *
15.0	0.006	2.655	186.405 *	387.088 *	550.126 *	842.371 *	929.562 *	999.809 *	1040.574 *	1072.585 *
13.0	0.006	2.713	190.569 *	392.926 *	556.501 *	845.180 *	933.238 *	1003.973 *	1048.146 *	1079.692 *
11.0	0.006	2.820	194.290 *	398.154 *	564.017 *	847.323 *	936.257 *	1007.635 *	1053.207 *	1085.771 *
9.0	0.006	2.856	197.559 *	402.765 *	570.829 *	857.874 *	939.710 *	1010.702 *	1057.404 *	1091.522 *
7.0	0.006	2.892	200.365 *	406.748 *	576.904 *	867.187 *	948.772 *	1014.985 *	1060.931 *	1096.491 *
5.0	0.006	2.929	204.240 *	410.096 *	582.211 *	875.427 *	956.386 *	1021.561 *	1067.235 *	1100.986 *
3.0	0.006	2.965	205.115 *	413.536 *	587.682 *	882.551 *	962.675 *	1027.314 *	1073.341 *	1105.822 *
1.0	0.006	3.002	205.991 *	414.945 *	590.513 *	888.520 *	967.775 *	1032.100 *	1078.407 *	1109.685 *
0.0	0.006	3.020	206.430 *	415.650 *	591.930 *	891.060 *	969.925 *	1034.085 *	1080.608 *	1111.204 *
-1.0	0.006	3.020	206.008 *	414.706 *	590.327 *	889.110 *	968.102 *	1031.500 *	1077.505 *	1108.564 *
-3.0	0.006	2.984	205.165 *	412.820 *	587.124 *	884.299 *	963.717 *	1025.535 *	1070.637 *	1102.505 *
-5.0	0.006	2.961	204.323 *	408.922 *	581.292 *	878.269 *	958.324 *	1018.670 *	1062.741 *	1095.609 *
-7.0	0.006	2.937	200.481 *	405.130 *	575.634 *	871.019 *	951.902 *	1011.090 *	1054.717 *	1090.588 *
-9.0	0.006	2.913	197.707 *	400.729 *	569.225 *	862.551 *	944.439 *	1004.967 *	1049.514 *	1085.381 *
-11.0	0.006	2.890	194.471 *	395.734 *	562.099 *	852.877 *	936.857 *	999.353 *	1043.301 *	1078.679 *
-13.0	0.006	2.793	190.782 *	390.161 *	554.294 *	844.223 *	928.148 *	992.963 *	1035.952 *	1075.969 *
-15.0	0.006	2.746	186.651 *	384.024 *	546.218 *	834.834 *	918.091 *	985.847 *	1031.461 *	1074.256 *
-17.0	0.006	2.697	182.086 *	377.342 *	538.847 *	824.689 *	906.203 *	976.055 *	1027.519 *	1071.103 *
-19.5	0.006	2.632	175.789 *	368.249 *	528.544 *	796.514 *	888.696 *	965.548 *	1020.295 *	1061.842 *
-22.5	0.006	2.549	167.392 *	356.334 *	514.618 *	747.510 *	876.003 *	951.926 *	1006.896 *	1039.225 *
-25.5	0.005	2.460	158.116 *	343.595 *	499.041 *	704.315 *	861.211 *	937.465 *	982.413 *	1013.345 *
-29.0	0.005	2.352	146.236 *	327.212 *	478.864 *	661.668 *	841.595 *	909.284 *	952.569 *	985.101 *
-33.0	0.005	2.221	131.342 *	306.574 *	453.660 *	623.154 *	785.469 *	867.846 *	917.424 *	954.093 *
-37.5	0.005	2.066	113.026	279.961 *	425.692 *	577.443 *	721.297 *	812.503 *	868.034 *	912.032 *
-42.5	0.004	1.886	90.836	244.982 *	390.725 *	489.934 *	620.359 *	753.458 *	809.115 *	854.089 *
-47.5	0.004	1.700	66.898	206.926 *	349.520 *	433.702 *	481.535 *	639.009 *	738.915 *	777.889 *
-55.0	0.003	1.411	45.788	149.433 *	280.940 *	341.839 *	383.603 *	473.777 *	581.538 *	638.986 *
-65.0	0.003	1.015	17.213	66.325	166.661 *	208.192 *	247.910 *	284.247 *	312.099 *	352.585 *
-75.0	0.002	0.611	1.109	16.578	42.068	55.532	89.963	116.124	125.169 *	130.302 *
-85.0	0.001	0.204	0.368	0.625	0.523	1.045	3.524	4.525	3.579	3.424
-90.0	0.000	0.000	0.001	0.001	0.001	0.002	0.007	0.009	0.007	0.007

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	0.018	0.016	0.015	0.018	0.021	0.023	0.026	0.026	0.025	0.024
85.0	9.044	8.202	7.681	9.181	10.396	11.619	13.087	13.332	12.587	11.842
75.0	148.136 *	159.861 *	172.853 *	185.447 *	194.772 *	203.399 *	211.372 *	215.682 *	213.456 *	212.289 *
65.0	424.615 *	438.878 *	450.391 *	464.608 *	480.021 *	494.254 *	507.276 *	518.379 *	511.592 *	503.173 *

CANDELA TABULATION - (Cont.)

55.0	690.790	* 700.710	* 707.941	* 712.521	* 722.391	* 732.837	* 742.060	* 750.097	* 753.975	* 755.078	*
47.5	815.486	* 836.589	* 846.825	* 853.358	* 856.977	* 866.953	* 876.151	* 884.518	* 890.520	* 889.569	*
42.5	882.439	* 901.886	* 915.365	* 924.722	* 931.172	* 938.719	* 948.463	* 957.169	* 964.840	* 962.791	*
37.5	941.452	* 959.203	* 976.437	* 987.448	* 995.018	* 1000.063	*1007.483	*1014.733	*1020.756	*1021.985	*
33.0	985.116	* 1003.542	*1020.427	*1032.964	*1040.171	*1046.639	*1050.314	*1055.077	*1060.169	*1064.112	*
29.0	1018.833	*1034.892	*1052.386	*1064.837	*1072.497	*1074.526	*1074.111	*1077.800	*1087.729	*1097.096	*
25.5	1044.713	*1059.970	*1073.746	*1087.640	*1097.038	*1101.311	*1100.974	*1100.206	*1110.221	*1119.735	*
22.5	1062.256	*1078.701	*1092.256	*1102.684	*1112.176	*1120.870	*1123.629	*1122.738	*1126.252	*1134.933	*
19.5	1077.835	*1094.624	*1105.860	*1116.947	*1126.142	*1134.143	*1141.301	*1141.151	*1139.717	*1148.134	*
17.0	1090.876	*1103.201	*1114.476	*1127.158	*1136.361	*1144.171	*1151.806	*1155.563	*1154.439	*1158.281	*
15.0	1097.698	*1109.160	*1122.115	*1135.907	*1145.680	*1152.781	*1158.556	*1163.962	*1165.098	*1166.612	*
13.0	1103.959	*1116.334	*1130.177	*1144.725	*1155.502	*1161.342	*1165.883	*1171.090	*1174.084	*1173.824	*
11.0	1111.798	*1127.775	*1139.153	*1152.534	*1160.946	*1169.759	*1175.238	*1177.040	*1178.758	*1179.736	*
9.0	1119.458	*1138.513	*1148.920	*1158.875	*1164.616	*1173.528	*1181.905	*1184.018	*1183.879	*1184.089	*
7.0	1125.197	*1145.196	*1157.298	*1166.525	*1173.613	*1178.206	*1182.656	*1189.742	*1191.545	*1189.446	*
5.0	1129.871	*1152.094	*1169.650	*1178.095	*1184.636	*1187.180	*1188.421	*1191.501	*1195.253	*1195.898	*
3.0	1136.355	*1159.540	*1180.620	*1190.201	*1197.283	*1198.224	*1197.821	*1196.352	*1195.673	*1198.080	*
1.0	1142.052	*1166.239	*1187.663	*1196.988	*1204.636	*1205.246	*1206.018	*1206.108	*1205.121	*1203.231	*
0.0	1144.433	*1169.115	*1190.878	*1200.018	*1207.330	*1207.586	*1207.842	*1207.720	*1207.220	*1206.720	*
-1.0	1140.367	*1164.347	*1185.447	*1193.596	*1200.000	*1200.281	*1200.622	*1199.463	*1195.625	*1191.110	*
-3.0	1131.369	*1153.869	*1174.186	*1180.338	*1185.783	*1187.936	*1188.918	*1188.507	*1189.287	*1193.774	*
-5.0	1122.105	*1145.001	*1165.551	*1172.811	*1178.148	*1181.048	*1183.217	*1185.004	*1188.616	*1187.876	*
-7.0	1118.087	*1139.592	*1156.816	*1166.901	*1173.825	*1179.129	*1179.723	*1182.305	*1186.079	*1187.647	*
-9.0	1112.868	*1134.182	*1152.014	*1165.327	*1170.772	*1169.873	*1169.872	*1173.342	*1178.062	*1187.502	*
-11.0	1108.604	*1128.020	*1146.282	*1157.730	*1156.461	*1155.442	*1160.237	*1164.168	*1175.630	*1181.422	*
-13.0	1107.420	*1122.834	*1134.015	*1139.760	*1140.589	*1147.355	*1152.266	*1162.733	*1171.988	*1174.171	*
-15.0	1108.207	*1116.057	*1119.360	*1124.238	*1133.727	*1140.707	*1150.214	*1161.682	*1165.263	*1167.206	*
-17.0	1102.625	*1106.424	*1107.434	*1118.871	*1127.941	*1136.782	*1149.082	*1157.511	*1157.864	*1160.491	*
-19.5	1083.312	*1094.138	*1101.991	*1113.024	*1122.517	*1131.989	*1142.615	*1145.508	*1146.836	*1151.228	*
-22.5	1061.360	*1077.630	*1092.761	*1102.667	*1111.829	*1121.292	*1126.871	*1129.225	*1132.765	*1137.780	*
-25.5	1041.014	*1058.871	*1074.790	*1088.813	*1097.559	*1105.002	*1110.468	*1114.176	*1117.881	*1122.140	*
-29.0	1014.100	*1034.202	*1052.050	*1065.063	*1074.078	*1082.033	*1089.990	*1095.236	*1095.965	*1095.754	*
-33.0	984.519	* 1005.007	*1021.231	*1033.761	*1041.180	*1047.412	*1052.649	*1056.766	*1059.491	*1061.968	*
-37.5	941.007	* 959.779	* 977.489	* 990.845	* 1000.000	*1006.066	*1009.699	*1012.260	*1014.201	*1019.522	*
-42.5	878.549	* 897.729	* 916.681	* 931.285	* 940.543	* 946.624	* 949.394	* 951.373	* 952.502	* 961.742	*
-47.5	803.422	* 824.070	* 846.234	* 861.764	* 871.737	* 874.266	* 876.105	* 877.148	* 879.321	* 888.393	*
-55.0	663.450	* 688.192	* 710.899	* 727.925	* 733.813	* 737.135	* 739.482	* 740.817	* 745.897	* 752.899	*
-65.0	402.061	* 441.001	* 472.423	* 486.169	* 489.898	* 492.867	* 495.046	* 496.532	* 502.645	* 507.684	*
-75.0	144.201	* 155.829	* 167.092	* 171.689	* 174.618	* 177.065	* 179.048	* 182.285	* 188.579	* 195.742	*
-85.0	5.753	7.836	9.609	9.221	8.888	8.535	8.319	9.054	11.058	13.061	
-90.0	0.012	0.016	0.019	0.018	0.018	0.017	0.016	0.018	0.022	0.026	

Vert. 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	0.022	0.021	0.020	0.021	0.022	0.024	0.025	0.026	0.026	0.023
85.0	11.097	10.352	9.980	10.352	11.097	11.842	12.587	13.332	13.087	11.619
75.0	208.410	* 204.530	* 202.590	* 204.530	* 208.410	* 212.289	* 213.456	* 215.682	* 211.372	* 203.399
65.0	494.615	* 482.139	* 475.900	* 482.140	* 494.615	* 503.173	* 511.592	* 518.853	* 507.276	* 494.254
55.0	756.541	* 754.694	* 753.770	* 754.694	* 756.541	* 755.078	* 753.975	* 750.097	* 742.060	* 732.837
47.5	887.400	* 884.136	* 882.135	* 884.136	* 887.400	* 889.569	* 890.520	* 884.519	* 876.151	* 866.953
42.5	958.774	* 953.765	* 950.880	* 953.765	* 958.774	* 962.791	* 964.840	* 957.169	* 948.463	* 938.719
37.5	1019.706	*1016.675	*1014.805	*1016.675	*1019.706	*1021.985	*1020.756	*1014.733	*1007.483	*1000.063
33.0	1063.748	*1062.433	*1061.432	*1062.433	*1063.748	*1064.112	*1060.169	*1055.077	*1050.314	*1046.639
29.0	1096.492	*1094.409	*1093.030	*1094.409	*1096.492	*1097.038	*1087.729	*1077.800	*1074.111	*1074.526
25.5	1121.519	*1118.937	*1117.250	*1118.937	*1121.519	*1119.735	*1110.221	*1100.206	*1100.974	*1101.311
22.5	1137.708	*1132.770	*1129.965	*1132.770	*1137.708	*1134.933	*1126.252	*1122.738	*1123.629	*1120.870
19.5	1153.189	*1145.982	*1142.032	*1145.982	*1153.189	*1148.134	*1139.717	*1141.151	*1141.301	*1134.143
17.0	1165.465	*1159.573	*1156.092	*1159.573	*1165.465	*1158.281	*1154.439	*1155.563	*1151.806	*1144.171
15.0	1173.436	*1170.511	*1167.340	*1170.511	*1173.436	*1166.612	*1165.098	*1163.962	*1158.556	*1152.781

CANDELA TABULATION - (Cont.)

13.0	1178.935	*1176.765	*1173.112	*1176.765	*1178.935	*1173.824	*1174.084	*1171.090	*1165.883	*1161.342	*
11.0	1183.755	*1183.324	*1178.884	*1183.324	*1183.755	*1179.736	*1178.758	*1177.040	*1175.238	*1169.759	*
9.0	1187.339	*1188.888	*1183.598	*1188.888	*1187.339	*1184.089	*1183.879	*1184.018	*1181.905	*1173.528	*
7.0	1189.679	*1193.317	*1187.254	*1193.317	*1189.679	*1189.446	*1191.545	*1189.742	*1182.656	*1178.206	*
5.0	1194.413	*1197.043	*1190.910	*1197.043	*1194.413	*1195.898	*1195.253	*1191.501	*1188.421	*1187.180	*
3.0	1199.002	*1195.643	*1193.898	*1195.643	*1199.002	*1198.080	*1195.673	*1196.352	*1197.821	*1198.224	*
1.0	1198.491	*1198.583	*1196.885	*1198.583	*1198.491	*1203.231	*1205.121	*1206.108	*1206.018	*1205.246	*
0.0	1203.384	*1200.047	*1198.379	*1200.047	*1203.384	*1206.720	*1207.220	*1207.720	*1207.842	*1207.586	*
-1.0	1193.782	*1195.789	*1197.841	*1195.789	*1193.782	*1191.110	*1195.625	*1199.463	*1200.622	*1200.281	*
-3.0	1190.613	*1195.616	*1196.766	*1195.616	*1190.613	*1193.774	*1189.287	*1188.507	*1188.918	*1187.936	*
-5.0	1196.670	*1191.902	*1195.690	*1191.902	*1196.670	*1187.876	*1188.616	*1185.004	*1183.217	*1181.048	*
-7.0	1192.622	*1189.399	*1190.782	*1189.399	*1192.622	*1187.647	*1186.079	*1182.305	*1179.723	*1179.129	*
-9.0	1189.800	*1186.439	*1185.874	*1186.439	*1189.800	*1187.502	*1178.062	*1173.342	*1169.872	*1169.873	*
-11.0	1183.531	*1182.898	*1182.332	*1182.898	*1183.531	*1181.422	*1175.630	*1164.168	*1160.237	*1155.442	*
-13.0	1177.801	*1179.661	*1180.156	*1179.661	*1177.801	*1174.171	*1171.988	*1162.733	*1152.266	*1147.355	*
-15.0	1172.801	*1176.749	*1177.980	*1176.749	*1172.801	*1167.206	*1165.263	*1161.682	*1150.214	*1140.707	*
-17.0	1164.902	*1168.970	*1170.640	*1168.970	*1164.902	*1160.491	*1157.864	*1157.511	*1149.082	*1136.782	*
-19.5	1154.920	*1159.491	*1161.465	*1159.491	*1154.920	*1151.228	*1146.836	*1145.508	*1142.615	*1131.989	*
-22.5	1141.941	*1145.571	*1147.110	*1145.571	*1141.941	*1137.780	*1132.765	*1129.225	*1126.871	*1121.292	*
-25.5	1126.314	*1129.486	*1130.647	*1129.486	*1126.314	*1122.140	*1117.881	*1114.176	*1110.468	*1105.002	*
-29.0	1099.239	*1102.022	*1103.046	*1102.022	*1099.239	*1095.754	*1095.965	*1095.236	*1089.990	*1082.033	*
-33.0	1066.592	*1070.229	*1071.706	*1070.229	*1066.592	*1061.968	*1059.491	*1056.766	*1052.649	*1047.412	*
-37.5	1026.882	*1033.178	*1035.995	*1033.178	*1026.882	*1019.522	*1014.201	*1012.260	*1009.699	*1006.066	*
-42.5	971.028	* 979.310 *	983.075 *	979.310 *	971.028 *	961.742 *	952.502 *	951.373 *	949.394 *	946.624 *	*
-47.5	896.560	* 903.737 *	906.930 *	903.737 *	896.560 *	888.393 *	879.321 *	877.148 *	876.105 *	874.266 *	*
-55.0	760.000	* 763.606 *	765.410 *	763.606 *	760.000 *	752.899 *	745.897 *	740.817 *	739.482 *	737.135 *	*
-65.0	512.768	* 515.063 *	516.210 *	515.063 *	512.768 *	507.684 *	502.645 *	496.628 *	495.046 *	492.867 *	*
-75.0	200.612	* 205.484 *	207.920 *	205.484 *	200.612 *	195.742 *	188.579 *	182.285 *	179.048 *	177.065 *	*
-85.0	15.065	17.068	18.070	17.068	15.065	13.061	11.058	9.054	8.319	8.535	*
-90.0	0.030	0.034	0.036	0.034	0.030	0.026	0.022	0.018	0.016	0.017	*

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	0.021	0.018	0.015	0.016	0.018	0.020	0.016	0.010	0.008	0.009
85.0	10.396	9.181	7.681	8.202	9.044	9.929	7.862	4.761	3.785	4.666
75.0	194.772	* 185.447 *	172.853 *	159.861 *	148.136 *	136.608 *	124.251 *	109.489	95.533	76.700
65.0	480.021	* 464.608 *	450.391 *	438.878 *	424.615 *	391.213 *	333.054 *	279.365 *	252.303 *	223.475 *
55.0	722.391	* 712.521 *	707.941 *	700.710 *	690.790 *	660.663 *	598.240 *	506.527 *	408.259 *	358.831 *
47.5	856.945	* 853.358 *	846.825 *	836.589 *	815.486 *	785.468 *	747.914 *	688.063 *	582.664 *	456.577 *
42.5	931.172	* 924.722 *	915.365 *	901.886 *	882.439 *	854.620 *	820.300 *	778.992 *	667.683 *	504.521 *
37.5	995.018	* 987.448 *	976.437 *	959.203 *	941.452 *	915.849 *	882.061 *	834.957 *	746.377 *	590.535 *
33.0	1040.171	*1032.964	*1020.427	*1003.542	*985.116 *	961.371 *	928.686 *	875.896 *	793.681 *	661.937 *
29.0	1072.497	*1064.837	*1052.386	*1034.892	*1018.833	*1000.188	*958.446 *	906.745 *	844.095 *	705.982 *
25.5	1097.038	*1087.640	*1073.746	*1059.970	*1044.713	*1019.760	*980.734 *	931.358 *	872.698 *	748.528 *
22.5	1112.176	*1102.684	*1092.256	*1078.701	*1062.256	*1036.401	*996.378 *	953.307 *	895.499 *	787.002 *
19.5	1126.142	*1116.947	*1105.860	*1094.624	*1077.835	*1052.622	*1016.149	*974.217 *	916.554 *	820.523 *
17.0	1136.361	*1127.158	*1114.476	*1103.201	*1090.876	*1064.248	*1030.794	*990.696 *	924.875 *	838.730 *
15.0	1145.680	*1135.907	*1122.115	*1109.160	*1097.698	*1072.585	*1040.574	*999.809 *	929.562 *	842.371 *
13.0	1155.507	*1144.725	*1130.177	*1116.334	*1103.959	*1079.692	*1048.146	*1003.973	*933.238 *	845.180 *
11.0	1160.946	*1152.534	*1139.153	*1127.775	*1111.798	*1085.771	*1053.207	*1007.635	*936.257 *	847.535 *
9.0	1164.616	*1158.875	*1148.920	*1138.513	*1119.458	*1091.522	*1057.404	*1010.702	*939.710 *	857.874 *
7.0	1173.613	*1166.525	*1157.298	*1145.196	*1125.197	*1096.491	*1060.931	*1014.985	*948.772 *	867.187 *
5.0	1184.636	*1178.095	*1169.650	*1152.094	*1129.871	*1100.986	*1067.235	*1021.561	*956.386 *	875.427 *
3.0	1197.283	*1190.201	*1180.620	*1159.540	*1136.355	*1105.822	*1073.341	*1027.314	*962.675 *	882.551 *
1.0	1204.636	*1196.988	*1187.663	*1166.239	*1142.052	*1109.685	*1078.407	*1032.100	*967.775 *	888.520 *
0.0	1207.330	*1200.018	*1190.878	*1169.115	*1144.433	*1111.204	*1080.608	*1034.085	*969.925 *	891.060 *
-1.0	1200.000	*1193.596	*1185.447	*1164.347	*1140.367	*1108.564	*1077.505	*1031.500	*968.102 *	889.110 *
-3.0	1185.783	*1180.338	*1174.186	*1153.869	*1131.369	*1102.505	*1070.637	*1025.535	*963.717 *	884.299 *
-5.0	1178.148	*1172.811	*1165.551	*1145.001	*1122.105	*1095.609	*1062.741	*1018.670	*958.324 *	878.269 *

CANDELA TABULATION - (Cont.)

-7.0	1173.825	*1166.901	*1156.816	*1139.592	*1118.087	*1090.588	*1054.717	*1011.090	*951.902	* 871.019 *
-9.0	1170.772	*1165.327	*1152.014	*1134.182	*1112.868	*1085.381	*1049.514	*1004.967	*944.439	* 862.552 *
-11.0	1156.461	*1157.730	*1146.282	*1128.020	*1108.604	*1078.679	*1043.301	*999.353	* 936.857 *	* 852.709 *
-13.0	1140.589	*1139.760	*1134.015	*1122.834	*1107.420	*1075.969	*1035.952	*992.963	* 928.148 *	* 844.223 *
-15.0	1133.727	*1124.238	*1119.360	*1116.057	*1108.207	*1074.256	*1031.461	*985.847	* 918.091 *	* 834.834 *
-17.0	1127.941	*1118.871	*1107.434	*1106.424	*1102.625	*1071.103	*1027.519	*976.055	* 906.203 *	* 824.689 *
-19.5	1122.517	*1113.024	*1101.991	*1094.138	*1083.312	*1061.842	*1020.295	*965.548	* 888.734 *	* 796.514 *
-22.5	1111.829	*1102.667	*1092.761	*1077.630	*1061.360	*1039.225	*1006.896	*951.926	* 876.003 *	* 747.510 *
-25.5	1097.559	*1088.813	*1074.790	*1058.871	*1041.014	*1013.345	*982.413	* 937.465 *	* 861.211 *	* 704.315 *
-29.0	1074.078	*1065.063	*1052.050	*1034.202	*1014.100	*985.101	* 952.569 *	* 909.284 *	* 841.595 *	* 661.668 *
-33.0	1041.180	*1033.761	*1021.231	*1005.007	*984.519	* 954.093 *	* 917.415 *	* 867.846 *	* 785.469 *	* 623.154 *
-37.5	1000.000	*990.845 *	* 977.489 *	* 959.779 *	* 941.007 *	* 912.032 *	* 868.034 *	* 812.503 *	* 721.297 *	* 577.443 *
-42.5	940.543 *	* 931.285 *	* 916.681 *	* 897.729 *	* 878.549 *	* 854.089 *	* 809.115 *	* 753.458 *	* 620.359 *	* 489.934 *
-47.5	871.694 *	* 861.764 *	* 846.234 *	* 824.070 *	* 803.422 *	* 777.889 *	* 738.915 *	* 639.009 *	* 481.535 *	* 433.702 *
-55.0	733.813 *	* 727.925 *	* 710.899 *	* 688.192 *	* 663.450 *	* 638.986 *	* 581.538 *	* 473.777 *	* 383.603 *	* 341.839 *
-65.0	489.898 *	* 486.169 *	* 472.423 *	* 441.001 *	* 402.061 *	* 352.585 *	* 312.099 *	* 284.247 *	* 247.910 *	* 208.192 *
-75.0	174.618 *	* 171.689 *	* 167.092 *	* 155.829 *	* 144.201 *	* 130.302 *	* 125.169 *	* 116.124	89.963	55.532
-85.0	8.888	9.221	9.609	7.836	5.753	3.424	3.579	4.525	3.524	1.045
-90.0	0.018	0.018	0.019	0.016	0.012	0.007	0.007	0.009	0.007	0.002

Vert. Horizontal Angles

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0.005	0.003	0.002	0.000	0.000
85.0	2.546	1.408	0.804	0.172	0.001
75.0	44.692	19.586	2.243	0.520	0.002
65.0	163.820 *	77.041	19.641	0.875	0.003
55.0	280.042 *	183.697 *	48.724	1.240	0.003
47.5	356.297 *	242.724 *	68.585	1.518	0.004
42.5	403.335 *	272.556 *	90.847	1.704	0.004
37.5	444.581 *	300.132 *	112.451	1.890	0.005
33.0	478.717 *	321.574 *	130.827 *	2.054	0.005
29.0	503.374 *	338.040 *	145.777 *	2.197	0.005
25.5	524.609 *	350.745 *	157.708 *	2.318	0.005
22.5	537.555 *	360.306 *	167.029 *	2.419	0.006
19.5	545.838 *	371.787 *	175.472 *	2.517	0.006
17.0	549.367 *	380.653 *	181.809 *	2.595	0.006
15.0	550.126 *	387.088 *	186.405 *	2.655	0.006
13.0	556.501 *	392.926 *	190.569 *	2.713	0.006
11.0	564.017 *	398.154 *	194.290 *	2.820	0.006
9.0	570.829 *	402.765 *	197.559 *	2.856	0.006
7.0	576.904 *	406.748 *	200.366 *	2.892	0.006
5.0	582.211 *	410.096 *	204.240 *	2.929	0.006
3.0	587.682 *	413.536 *	205.115 *	2.965	0.006
1.0	590.513 *	414.945 *	205.991 *	3.020	0.006
0.0	591.930 *	415.650 *	206.430 *	3.020	0.006
-1.0	590.327 *	414.706 *	206.008 *	3.008	0.006
-3.0	587.124 *	412.820 *	205.165 *	2.984	0.006
-5.0	581.292 *	408.922 *	204.323 *	2.961	0.006
-7.0	575.634 *	405.130 *	200.481 *	2.937	0.006
-9.0	569.225 *	400.729 *	197.707 *	2.913	0.006
-11.0	562.099 *	395.734 *	194.471 *	2.890	0.006
-13.0	554.294 *	390.161 *	190.782 *	2.793	0.006
-15.0	546.218 *	384.024 *	186.651 *	2.746	0.006
-17.0	538.847 *	377.342 *	182.086 *	2.697	0.006
-19.5	528.544 *	368.249 *	175.789 *	2.632	0.006
-22.5	514.618 *	356.334 *	167.392 *	2.549	0.006
-25.5	499.041 *	343.595 *	158.116 *	2.460	0.005
-29.0	478.864 *	327.212 *	146.236 *	2.352	0.005
-33.0	453.660 *	306.574 *	131.342 *	2.221	0.005

**IES FLOOD REPORT**

**PHOTOMETRIC FILENAME : FL11571 LED20PCS 700MA 20121110\_IES**

**CANDELA TABULATION - (Cont.)**

<b>-37.5</b>	425.692 *	279.961 *	113.026	2.066	0.005
<b>-42.5</b>	390.725 *	244.982 *	90.836	1.886	0.004
<b>-47.5</b>	349.520 *	206.926 *	66.898	1.700	0.004
<b>-55.0</b>	280.940 *	149.433 *	45.788	1.411	0.003
<b>-65.0</b>	166.661 *	66.325	17.213	1.015	0.003
<b>-75.0</b>	42.068	16.578	1.109	0.611	0.002
<b>-85.0</b>	0.523	0.625	0.368	0.204	0.001
<b>-90.0</b>	0.001	0.001	0.001	0.000	0.000

**IES FLOOD REPORT**

**PHOTOMETRIC FILENAME : FL11571 LED20PCS 700MA 20121110\_IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 1814.17

Total Field Lumens (one side of beam only) = 1779.65

\* 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	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02
75	0.33	0.66	0.67	0.68	0.69	0.68	0.65	0.62	0.59	0.68
65	1.04 *	2.12 *	2.16 *	2.18 *	2.20 *	2.18 *	2.11 *	2.03 *	1.94 *	2.30 *
55	1.88 *	3.79 *	3.81 *	3.82 *	3.82 *	3.78 *	3.69 *	3.59 *	3.48 *	4.22 *
47.5	1.87 *	3.75 *	3.75 *	3.74 *	3.71 *	3.66 *	3.60 *	3.52 *	3.45 *	4.23 *
42.5	1.40 *	2.80 *	2.81 *	2.81 *	2.79 *	2.75 *	2.70 *	2.66 *	2.61 *	3.20 *
37.5	1.50 *	3.01 *	3.01 *	3.01 *	2.98 *	2.95 *	2.90 *	2.86 *	2.81 *	3.44 *
33	1.42 *	2.85 *	2.85 *	2.84 *	2.82 *	2.79 *	2.75 *	2.71 *	2.67 *	3.27 *
29	1.31 *	2.63 *	2.63 *	2.61 *	2.58 *	2.55 *	2.53 *	2.50 *	2.47 *	3.02 *
25.5	1.18 *	2.36 *	2.36 *	2.34 *	2.31 *	2.29 *	2.27 *	2.25 *	2.21 *	2.71 *
22.5	1.03 *	2.06 *	2.06 *	2.04 *	2.02 *	2.00 *	1.99 *	1.96 *	1.93 *	2.36 *
19.5	1.04 *	2.09 *	2.08 *	2.07 *	2.05 *	2.04 *	2.02 *	1.99 *	1.96 *	2.40 *
17	0.88 *	1.76 *	1.76 *	1.74 *	1.73 *	1.72 *	1.70 *	1.68 *	1.65 *	2.02 *
15	0.71 *	1.42 *	1.42 *	1.41 *	1.40 *	1.39 *	1.37 *	1.35 *	1.33 *	1.63 *
13	0.71 *	1.43 *	1.43 *	1.42 *	1.41 *	1.40 *	1.38 *	1.36 *	1.34 *	1.64 *
11	0.72 *	1.44 *	1.43 *	1.43 *	1.42 *	1.41 *	1.39 *	1.37 *	1.35 *	1.65 *
9	0.72 *	1.44 *	1.44 *	1.43 *	1.42 *	1.42 *	1.40 *	1.38 *	1.36 *	1.66 *
7	0.72 *	1.45 *	1.44 *	1.44 *	1.43 *	1.42 *	1.41 *	1.39 *	1.37 *	1.67 *
5	0.73 *	1.45 *	1.45 *	1.45 *	1.44 *	1.43 *	1.41 *	1.40 *	1.38 *	1.69 *
3	0.73 *	1.46 *	1.45 *	1.45 *	1.44 *	1.43 *	1.42 *	1.41 *	1.39 *	1.71 *
1	0.73 *	1.46 *	1.46 *	1.45 *	1.45 *	1.44 *	1.43 *	1.42 *	1.40 *	1.72 *
0	0.37 *	0.73 *	0.73 *	0.73 *	0.73 *	0.72 *	0.72 *	0.71 *	0.70 *	0.86 *
-1	0.36 *	0.73 *	0.73 *	0.73 *	0.73 *	0.72 *	0.72 *	0.71 *	0.70 *	0.86 *
-3	0.73 *	1.45 *	1.45 *	1.44 *	1.44 *	1.43 *	1.42 *	1.41 *	1.39 *	1.71 *
-5	0.73 *	1.45 *	1.45 *	1.44 *	1.43 *	1.42 *	1.41 *	1.40 *	1.38 *	1.70 *
-7	0.73 *	1.45 *	1.45 *	1.44 *	1.43 *	1.42 *	1.41 *	1.39 *	1.37 *	1.69 *
	0.72 *	1.45 *	1.45 *	1.44 *	1.42 *	1.41 *	1.40 *	1.39 *	1.37 *	1.68 *



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FLI1571 LED20PCS 700MA 20121110\_IES**

**LUMENS TABULATION - (Cont.)**

-9	0.72 *	1.44 *	1.44 *	1.43 *	1.42 *	1.40 *	1.39 *	1.38 *	1.36 *	1.67 *
-11	0.72 *	1.44 *	1.43 *	1.42 *	1.41 *	1.39 *	1.38 *	1.36 *	1.35 *	1.66 *
-13	0.72 *	1.43 *	1.43 *	1.42 *	1.41 *	1.39 *	1.37 *	1.35 *	1.33 *	1.63 *
-15	0.71 *	1.43 *	1.42 *	1.41 *	1.40 *	1.39 *	1.36 *	1.34 *	1.32 *	1.62 *
-17	0.89 *	1.77 *	1.76 *	1.75 *	1.74 *	1.72 *	1.70 *	1.67 *	1.64 *	2.01 *
-19.5	1.05 *	2.10 *	2.09 *	2.08 *	2.06 *	2.04 *	2.02 *	1.99 *	1.95 *	2.39 *
-22.5	1.04 *	2.07 *	2.06 *	2.05 *	2.03 *	2.02 *	1.99 *	1.97 *	1.93 *	2.36 *
-25.5	1.19 *	2.37 *	2.36 *	2.35 *	2.33 *	2.31 *	2.29 *	2.25 *	2.22 *	2.71 *
-29	1.32 *	2.64 *	2.63 *	2.61 *	2.60 *	2.58 *	2.55 *	2.51 *	2.47 *	3.02 *
-33	1.44 *	2.87 *	2.85 *	2.83 *	2.81 *	2.79 *	2.76 *	2.72 *	2.68 *	3.27 *
-37.5	1.54 *	3.05 *	3.02 *	2.99 *	2.96 *	2.94 *	2.91 *	2.88 *	2.83 *	3.45 *
-42.5	1.44 *	2.85 *	2.82 *	2.79 *	2.76 *	2.74 *	2.72 *	2.68 *	2.64 *	3.21 *
-47.5	1.91 *	3.79 *	3.76 *	3.71 *	3.67 *	3.64 *	3.61 *	3.57 *	3.51 *	4.27 *
-55	1.95 *	3.88 *	3.85 *	3.80 *	3.75 *	3.71 *	3.67 *	3.63 *	3.57 *	4.33 *
-65	1.10 *	2.18 *	2.15 *	2.11 *	2.07 *	2.03 *	2.00 *	1.97 *	1.94 *	2.35 *
-75	0.34	0.67	0.64	0.62	0.59	0.57	0.56	0.55	0.53	0.65
-85	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02
-90										
<b>Total</b>	<b>42.38</b>	<b>84.74</b>	<b>84.48</b>	<b>83.98</b>	<b>83.33</b>	<b>82.52</b>	<b>81.51</b>	<b>80.31</b>	<b>78.90</b>	<b>96.34</b>

**Vert. Horizontal Angles**

<b>Angles</b>	<b>19.5</b>	<b>22.5</b>	<b>25.5</b>	<b>29</b>	<b>33</b>	<b>37.5</b>	<b>42.5</b>	<b>47.5</b>	<b>55</b>	<b>65</b>
<b>90</b>	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00
<b>85</b>	0.74	0.68	0.72	0.73	0.69	0.62	0.49	0.46	0.26	0.06
<b>75</b>	2.61 *	2.44 *	2.61 *	2.57 *	2.37 *	2.15 *	1.74 *	1.82 *	1.16	0.31
<b>65</b>	4.90 *	4.71 *	5.13 *	5.18 *	4.80 *	4.22 *	3.35 *	3.67 *	2.68 *	0.86
<b>55</b>	4.95 *	4.76 *	5.25 *	5.47 *	5.33 *	4.78 *	3.65 *	3.89 *	3.03 *	1.06 *
<b>47.5</b>	3.73 *	3.59 *	3.95 *	4.19 *	4.25 *	3.96 *	2.98 *	3.07 *	2.42 *	0.88 *
<b>42.5</b>	4.00 *	3.85 *	4.26 *	4.53 *	4.64 *	4.41 *	3.38 *	3.47 *	2.70 *	1.01 *
<b>37.5</b>	3.80 *	3.65 *	4.06 *	4.33 *	4.43 *	4.27 *	3.38 *	3.50 *	2.64 *	1.01 *
<b>33</b>	3.51 *	3.37 *	3.76 *	4.02 *	4.11 *	3.99 *	3.24 *	3.36 *	2.50 *	0.97 *
<b>29</b>	3.15 *	3.04 *	3.39 *	3.62 *	3.70 *	3.63 *	2.99 *	3.10 *	2.29 *	0.90 *

**IES FLOOD REPORT**  
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**LUMENS TABULATION - (Cont.)**

<b>25.5</b>	2.75 *	2.66 *	2.96 *	3.16 *	3.24 *	3.20 *	2.67 *	2.78 *	2.02 *	0.81 *
<b>22.5</b>	2.80 *	2.70 *	3.01 *	3.21 *	3.31 *	3.27 *	2.76 *	2.88 *	2.07 *	0.84 *
<b>19.5</b>	2.36 *	2.28 *	2.54 *	2.72 *	2.81 *	2.77 *	2.36 *	2.46 *	1.76 *	0.72 *
<b>17</b>	1.90 *	1.84 *	2.05 *	2.20 *	2.27 *	2.24 *	1.90 *	1.99 *	1.42 *	0.59 *
<b>15</b>	1.91 *	1.85 *	2.06 *	2.21 *	2.29 *	2.25 *	1.91 *	2.00 *	1.43 *	0.60 *
<b>13</b>	1.93 *	1.86 *	2.08 *	2.23 *	2.30 *	2.26 *	1.92 *	2.01 *	1.45 *	0.61 *
<b>11</b>	1.94 *	1.88 *	2.09 *	2.24 *	2.31 *	2.27 *	1.93 *	2.03 *	1.47 *	0.62 *
<b>9</b>	1.96 *	1.89 *	2.10 *	2.25 *	2.32 *	2.28 *	1.95 *	2.05 *	1.49 *	0.63 *
<b>7</b>	1.97 *	1.90 *	2.11 *	2.26 *	2.33 *	2.30 *	1.96 *	2.07 *	1.50 *	0.64 *
<b>5</b>	1.99 *	1.91 *	2.12 *	2.27 *	2.34 *	2.31 *	1.98 *	2.09 *	1.52 *	0.64 *
<b>3</b>	2.00 *	1.92 *	2.13 *	2.28 *	2.36 *	2.33 *	1.99 *	2.11 *	1.53 *	0.64 *
<b>1</b>	1.01 *	0.96 *	1.07 *	1.14 *	1.18 *	1.17 *	1.00 *	1.06 *	0.77 *	0.32 *
<b>0</b>	1.00 *	0.96 *	1.07 *	1.14 *	1.18 *	1.17 *	1.00 *	1.06 *	0.77 *	0.32 *
<b>-1</b>	2.00 *	1.92 *	2.12 *	2.28 *	2.35 *	2.33 *	1.99 *	2.11 *	1.52 *	0.64 *
<b>-3</b>	1.98 *	1.90 *	2.11 *	2.26 *	2.34 *	2.31 *	1.98 *	2.09 *	1.51 *	0.64 *
<b>-5</b>	1.97 *	1.89 *	2.10 *	2.25 *	2.32 *	2.30 *	1.97 *	2.08 *	1.50 *	0.63 *
<b>-7</b>	1.95 *	1.88 *	2.09 *	2.23 *	2.31 *	2.28 *	1.95 *	2.06 *	1.48 *	0.63 *
<b>-9</b>	1.95 *	1.87 *	2.08 *	2.22 *	2.29 *	2.27 *	1.94 *	2.03 *	1.47 *	0.62 *
<b>-11</b>	1.93 *	1.86 *	2.07 *	2.21 *	2.28 *	2.25 *	1.92 *	2.01 *	1.45 *	0.61 *
<b>-13</b>	1.92 *	1.86 *	2.07 *	2.20 *	2.26 *	2.23 *	1.90 *	1.99 *	1.43 *	0.60 *
<b>-15</b>	1.90 *	1.85 *	2.06 *	2.20 *	2.25 *	2.21 *	1.88 *	1.96 *	1.40 *	0.59 *
<b>-17</b>	2.35 *	2.29 *	2.56 *	2.73 *	2.79 *	2.72 *	2.30 *	2.40 *	1.72 *	0.72 *
<b>-19.5</b>	2.79 *	2.70 *	3.02 *	3.23 *	3.31 *	3.22 *	2.67 *	2.77 *	2.02 *	0.83 *
<b>-22.5</b>	2.75 *	2.65 *	2.95 *	3.17 *	3.26 *	3.17 *	2.58 *	2.64 *	1.95 *	0.80 *
<b>-25.5</b>	3.15 *	3.03 *	3.36 *	3.59 *	3.70 *	3.62 *	2.89 *	2.93 *	2.19 *	0.89 *
<b>-29</b>	3.51 *	3.37 *	3.73 *	3.98 *	4.08 *	3.97 *	3.14 *	3.17 *	2.38 *	0.95 *
<b>-33</b>	3.80 *	3.65 *	4.04 *	4.29 *	4.36 *	4.18 *	3.28 *	3.34 *	2.51 *	0.97 *
<b>-37.5</b>	4.00 *	3.84 *	4.25 *	4.49 *	4.54 *	4.24 *	3.24 *	3.36 *	2.55 *	0.95 *
<b>-42.5</b>	3.72 *	3.55 *	3.93 *	4.15 *	4.11 *	3.64 *	2.73 *	2.97 *	2.27 *	0.79 *
<b>-47.5</b>	4.91 *	4.66 *	5.12 *	5.36 *	5.11 *	4.33 *	3.31 *	3.77 *	2.81 *	0.92

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : FLI1571 LED20PCS 700MA 20121110\_IES**

**LUMENS TABULATION - (Cont.)**

<b>-55</b>	4.93 *	4.58 *	4.87 *	4.92 *	4.62 *	4.05 *	3.18 *	3.56 *	2.52 *	0.73
<b>-65</b>	2.64 *	2.39 *	2.44 *	2.40 *	2.34 *	2.15 *	1.62 *	1.69	1.11	0.26
<b>-75</b>	0.73	0.65	0.67	0.69	0.70	0.62	0.40	0.35	0.23	0.05
<b>-85</b>	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
<b>-90</b>										
<b>Total</b>	111.80	107.13	118.18	124.83	125.92	119.98	97.39	102.24	74.93	28.87

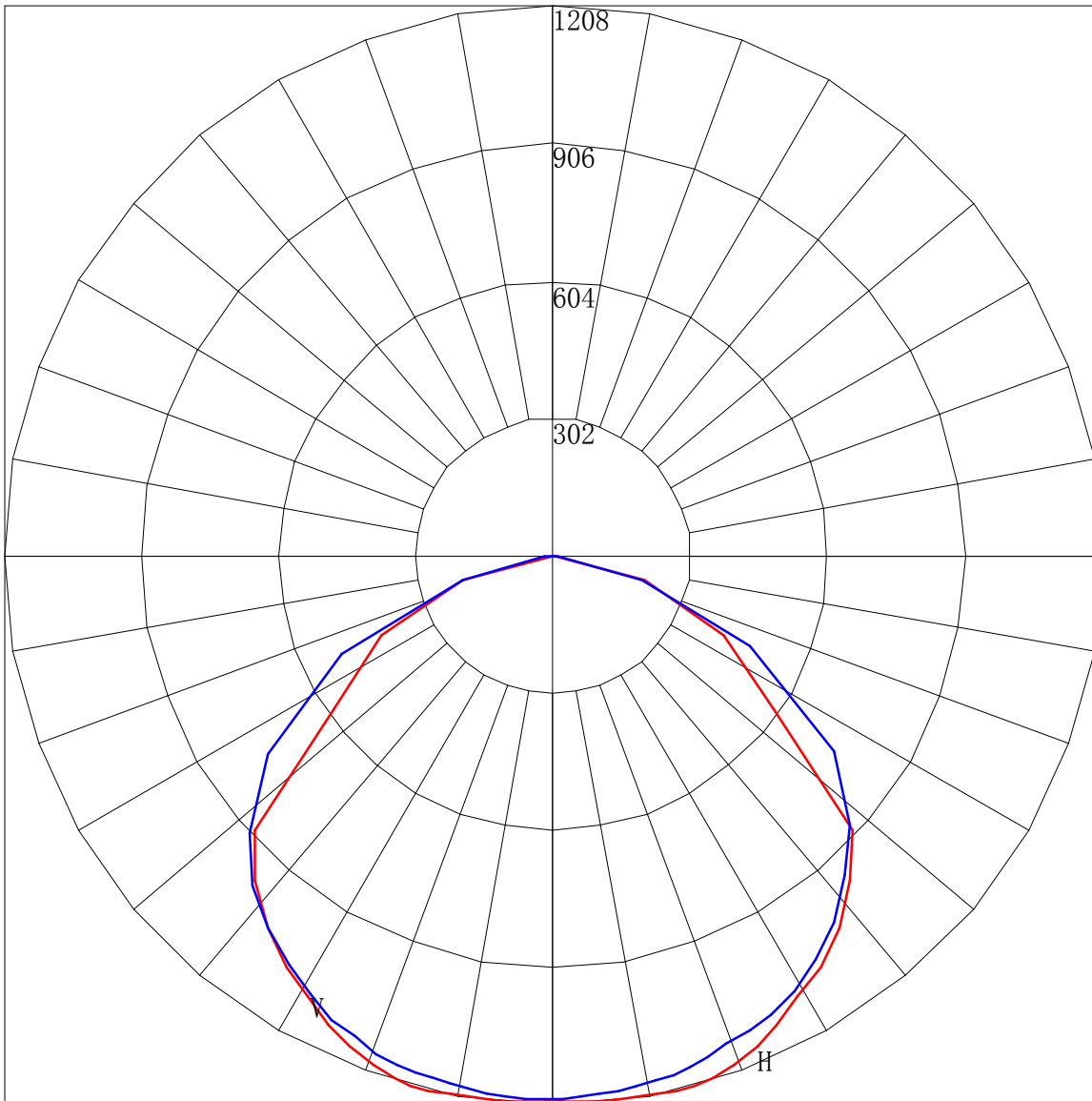
<b>Vert. Angles</b>	<b>Horizontal Angles</b>			<b>Total</b>
	<b>75</b>	<b>85</b>	<b>90</b>	
<b>90</b>	0.00	0.00	0.31	
<b>85</b>	0.00	0.00	11.70	
<b>75</b>	0.03	0.00	40.06	
<b>65</b>	0.09	0.00	75.47	
<b>55</b>	0.12	0.00	77.55	
<b>47.5</b>	0.11	0.00	59.65	
<b>42.5</b>	0.14	0.00	64.84	
<b>37.5</b>	0.15	0.00	62.20	
<b>33</b>	0.15	0.00	57.80	
<b>29</b>	0.14	0.00	52.21	
<b>25.5</b>	0.13	0.00	45.83	
<b>22.5</b>	0.14	0.00	46.72	
<b>19.5</b>	0.12	0.00	39.52	
<b>17</b>	0.10	0.00	31.92	
<b>15</b>	0.10	0.00	32.15	
<b>13</b>	0.10	0.00	32.36	
<b>11</b>	0.11	0.00	32.56	
<b>9</b>	0.11	0.00	32.76	
<b>7</b>	0.11	0.00	32.97	
<b>5</b>	0.11	0.00	33.18	
<b>3</b>	0.11	0.00	33.36	
<b>1</b>	0.06	0.00	16.74	
<b>0</b>	0.06	0.00	16.72	

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : FLI1571 LED20PCS 700MA 20121110\_IES

LUMENS TABULATION - (Cont.)

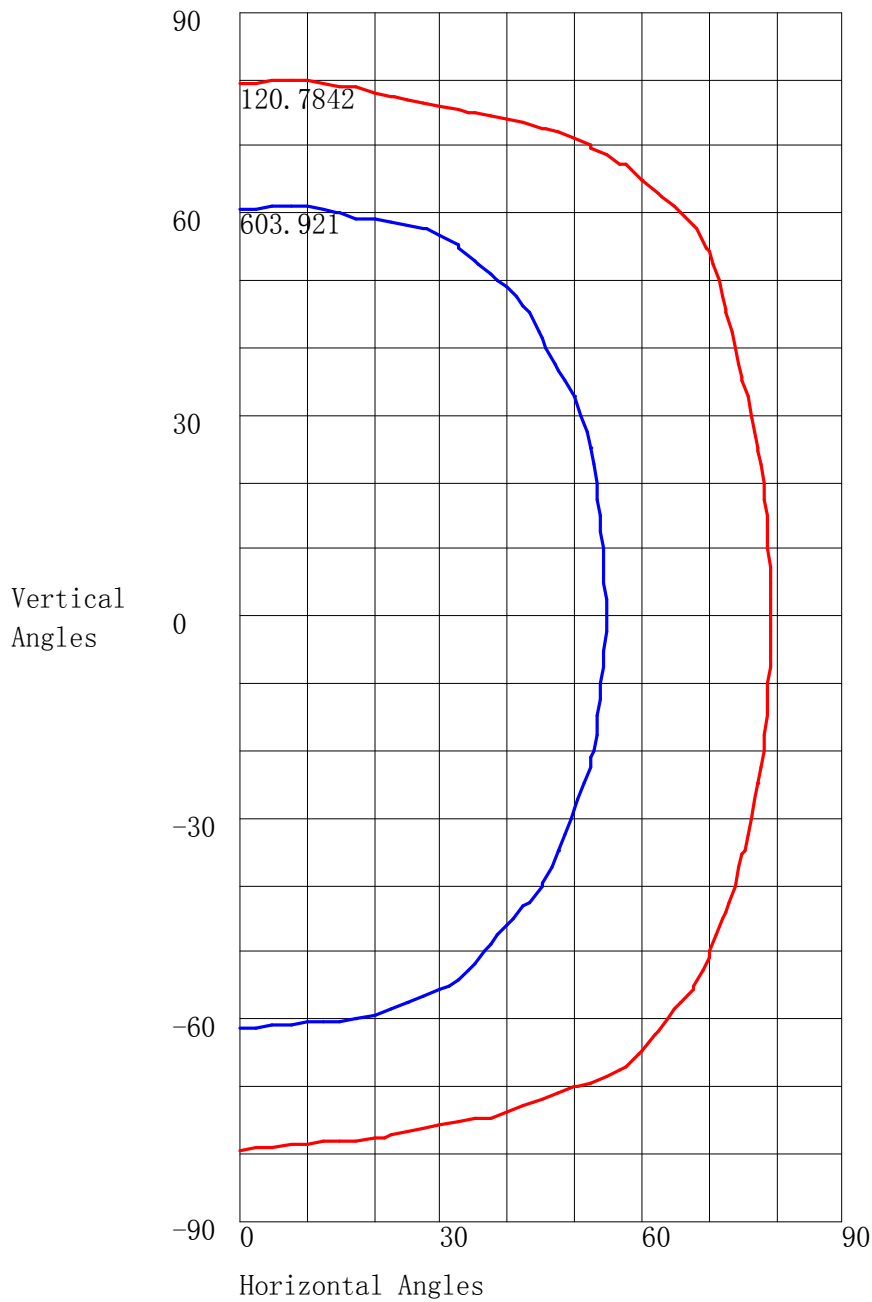
-1	0.11	0.00	33.26
-3	0.11	0.00	33.06
-5	0.11	0.00	32.88
-7	0.11	0.00	32.70
-9	0.11	0.00	32.48
-11	0.10	0.00	32.25
-13	0.10	0.00	32.02
-15	0.10	0.00	31.79
-17	0.12	0.00	39.34
-19.5	0.14	0.00	46.50
-22.5	0.13	0.00	45.59
-25.5	0.14	0.00	51.90
-29	0.15	0.00	57.35
-33	0.15	0.00	61.63
-37.5	0.14	0.00	64.17
-42.5	0.11	0.00	58.62
-47.5	0.11	0.00	75.83
-55	0.09	0.00	74.20
-65	0.03	0.00	38.96
-75	0.00	0.00	10.81
-85	0.00	0.00	0.25
-90			
<b>Total</b>	4.42	0.01	1814.17

AXIAL CANDELA DISPLAY



Maximum Candela = 1207.842 Located At Horizontal Angle = -11, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 1207.842 Located At Horizontal Angle = -11, Vertical Angle = 0  
50% Maximum Candela = 603.921  
10% Maximum Candela = 120.7842