



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L021506201 PRORATED TO ZIS-48-LED4-LO-SAL

[TESTLAB] LIGHT LABORATORY, INC.

[ISSUEDATE] 2/23/2015

[MANUFAC] PRUDENTIAL LTG.

[LUMCAT] ZIS-48-LED4-LO-SAL

[LUMINAIRE] 96"L X 48" W X 1.5" H LED LINEAR DIRECT LUMINAIRE DIFFUSED LENS

[LAMPCAT]

[BALLAST]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11303
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.14 ft
Luminous Width (90-270)	4.13 ft
Luminous Height	0.14 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	387	454	470
55	420	522	550
65	485	639	690
75	642	889	995
85	1346	1862	2156

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1053.274	1053.236	1053.198	1053.170	1053.132	1053.103	1053.065	1053.037	1053.008	1053.065
5.0	1051.013	1050.947	1050.880	1050.833	1050.785	1050.747	1050.719	1050.700	1050.681	1050.681
7.5	1051.897	1051.783	1051.669	1051.536	1051.403	1051.346	1051.099	1051.023	1050.985	1051.460
10.0	1050.776	1050.643	1050.510	1050.396	1050.282	1050.472	1050.510	1051.659	1053.550	1055.412
12.5	1048.971	1048.800	1048.838	1048.591	1048.724	1048.629	1050.918	1053.331	1055.706	1058.053
15.0	1044.240	1044.050	1043.898	1044.021	1043.964	1046.615	1049.712	1052.818	1055.754	1058.433
17.5	1039.262	1039.034	1038.853	1038.844	1040.601	1044.211	1047.821	1051.175	1054.310	1057.435
20.0	1031.120	1030.883	1030.740	1030.854	1034.911	1039.243	1043.394	1047.289	1051.213	1055.383
22.5	1022.399	1022.105	1021.839	1023.435	1028.318	1033.201	1037.628	1042.102	1046.700	1051.659
25.0	1010.648	1010.391	1010.287	1013.688	1019.302	1024.575	1029.752	1035.167	1040.810	1046.729
27.5	998.212	997.965	997.908	1003.285	1009.318	1014.999	1020.794	1026.969	1033.562	1039.547
30.0	983.459	983.212	983.829	990.213	996.797	1003.209	1009.812	1017.260	1024.309	1031.386
32.5	967.850	967.622	969.437	976.571	983.801	990.660	998.231	1006.088	1013.716	1021.430
35.0	950.142	949.905	952.612	960.621	968.154	976.049	984.627	993.263	1002.041	1010.866
37.5	931.684	931.446	935.417	943.920	952.185	960.934	970.083	979.402	988.950	997.680
40.0	911.563	911.297	916.512	925.471	934.391	943.929	954.047	964.430	974.576	984.000
42.5	890.872	890.606	897.123	906.699	916.180	926.402	937.241	948.090	958.474	968.629
45.0	868.917	868.632	876.441	886.397	896.743	907.696	919.429	931.095	941.754	952.413
47.5	846.298	845.794	854.743	865.298	876.204	887.974	900.163	912.085	923.770	935.094
50.0	821.911	822.225	831.810	843.011	854.515	867.264	880.023	892.610	904.552	916.541
52.5	797.344	798.475	808.545	820.296	832.333	845.709	858.999	872.271	884.773	897.094
55.0	772.055	773.965	784.481	796.907	809.789	823.821	837.510	850.829	864.110	876.916
57.5	746.158	748.837	759.810	772.739	786.191	800.641	814.710	828.884	842.450	855.722
60.0	719.444	722.969	734.435	747.944	762.147	776.891	791.027	804.792	818.767	832.542
62.5	691.866	696.293	708.082	722.019	736.297	750.756	765.234	779.731	793.848	808.697
65.0	663.926	669.313	681.444	695.751	709.080	723.653	738.463	753.730	768.768	784.168
67.5	636.528	642.722	654.816	668.467	682.062	697.775	713.022	728.479	743.755	759.943
70.0	608.997	616.056	627.741	641.278	655.870	671.878	688.009	704.330	720.052	736.449
72.5	580.915	588.468	599.374	613.994	630.059	647.026	662.910	679.601	695.419	712.395
75.0	552.643	560.329	571.501	587.575	603.620	621.024	636.880	653.191	669.189	686.612
77.5	523.611	531.316	544.074	561.155	577.277	593.949	610.014	626.724	642.447	659.908
80.0	494.855	503.158	517.417	533.852	550.012	567.178	583.081	600.001	615.714	632.918
82.5	466.507	476.900	491.311	508.525	524.115	541.357	557.260	573.686	589.655	607.325
85.0	438.691	451.088	464.502	481.631	497.686	514.577	530.860	546.896	563.027	581.001
87.5	414.124	427.718	441.465	457.624	473.157	490.228	506.996	522.994	539.125	557.184
90.0	424.925	424.061	440.857	458.118	476.729	494.304	512.382	530.394	548.862	567.862
92.5	414.124	427.718	441.465	457.624	473.157	490.228	506.996	522.994	539.125	557.184
95.0	438.691	451.088	464.502	481.631	497.686	514.577	530.860	546.896	563.027	581.001
97.5	466.507	476.900	491.311	508.525	524.115	541.357	557.260	573.686	589.655	607.325
100.0	494.855	503.158	517.417	533.852	550.012	567.178	583.081	600.001	615.714	632.918
102.5	523.611	531.316	544.074	561.155	577.277	593.949	610.014	626.724	642.447	659.908
105.0	552.643	560.329	571.501	587.575	603.620	621.024	636.880	653.191	669.189	686.612
107.5	580.915	588.468	599.374	613.994	630.059	647.026	662.910	679.601	695.419	712.395
110.0	608.997	616.056	627.741	641.278	655.870	671.878	688.009	704.320	720.052	736.449
112.5	636.528	642.722	654.816	668.467	682.062	697.775	713.022	728.479	743.755	759.943
115.0	663.926	669.313	681.444	695.751	709.080	723.653	738.463	753.730	768.768	784.168
117.5	691.866	696.293	708.082	722.019	736.297	750.756	765.234	779.731	793.848	808.697
120.0	719.444	722.969	734.435	747.944	762.147	776.891	791.027	804.792	818.767	832.542
122.5	746.158	748.837	759.810	772.739	786.191	800.641	814.710	828.884	842.450	855.722
125.0	772.055	773.965	784.481	796.907	809.789	823.821	837.510	850.829	864.110	876.916
127.5	797.344	798.475	808.545	820.296	832.333	845.709	858.999	872.271	884.773	897.094
130.0	821.911	822.225	831.810	843.011	854.515	867.264	880.023	892.610	904.552	916.541
132.5	846.298	845.794	854.743	865.307	876.204	887.974	900.163	912.085	923.770	935.094

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PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

135.0	868.917	868.632	876.441	886.397	896.743	907.696	919.429	931.095	941.754	952.413
137.5	890.872	890.606	897.123	906.699	916.180	926.402	937.241	948.090	958.474	968.629
140.0	911.563	911.297	916.512	925.471	934.391	943.929	954.047	964.430	974.576	984.000
142.5	931.684	931.446	935.417	943.920	952.185	960.934	970.083	979.402	988.950	997.680
145.0	950.142	949.905	952.612	960.621	968.154	976.049	984.627	993.263	1002.041	1010.866
147.5	967.850	967.622	969.437	976.571	983.801	990.660	998.231	1006.088	1013.716	1021.430
150.0	983.459	983.212	983.829	990.213	996.797	1003.209	1009.812	1017.260	1024.309	1031.386
152.5	998.212	997.965	997.908	1003.285	1009.318	1014.999	1020.794	1026.969	1033.562	1039.547
155.0	1010.648	1010.391	1010.287	1013.688	1019.302	1024.575	1029.752	1035.167	1040.810	1046.729
157.5	1022.399	1022.105	1021.839	1023.435	1028.318	1033.201	1037.628	1042.102	1046.700	1051.659
160.0	1031.120	1030.883	1030.740	1030.854	1034.911	1039.243	1043.394	1047.289	1051.213	1055.383
162.5	1039.262	1039.034	1038.853	1038.844	1040.601	1044.211	1047.821	1051.175	1054.310	1057.445
165.0	1044.240	1044.050	1043.898	1044.021	1043.964	1046.615	1049.712	1052.818	1055.754	1058.433
167.5	1048.971	1048.800	1048.838	1048.591	1048.724	1048.629	1050.918	1053.331	1055.706	1058.053
170.0	1050.776	1050.643	1050.510	1050.396	1050.282	1050.472	1050.510	1051.659	1053.550	1055.412
172.5	1051.897	1051.783	1051.669	1051.536	1051.403	1051.346	1051.099	1051.023	1050.985	1051.460
175.0	1051.013	1050.947	1050.880	1050.833	1050.785	1050.747	1050.719	1050.700	1050.690	1050.681
177.5	1053.274	1053.236	1053.198	1053.170	1053.132	1053.103	1053.065	1053.037	1053.008	1053.065
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

**Vert.
Angles**

Horizontal Angles

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1052.989	1052.923	1052.856	1052.799	1052.733	1052.676	1052.609	1052.543	1052.476	1052.410
5.0	1050.681	1051.137	1050.985	1051.203	1052.163	1052.676	1053.550	1054.405	1055.231	1056.039
7.5	1052.666	1053.835	1054.956	1056.029	1057.055	1058.034	1058.955	1059.934	1060.922	1061.976
10.0	1057.236	1059.031	1060.808	1062.214	1063.629	1065.007	1066.289	1067.382	1068.322	1069.139
12.5	1060.114	1062.043	1063.943	1065.909	1067.648	1069.491	1071.343	1073.158	1074.887	1076.559
15.0	1061.102	1063.762	1066.498	1069.244	1071.866	1074.203	1076.492	1078.554	1080.416	1082.278
17.5	1060.551	1063.829	1067.249	1070.621	1073.804	1076.711	1079.580	1082.392	1085.147	1087.218
20.0	1059.506	1063.886	1068.009	1071.419	1074.782	1078.088	1081.204	1084.102	1086.942	1089.764
22.5	1056.827	1061.169	1065.577	1069.975	1074.497	1078.231	1082.335	1085.109	1087.854	1090.552
25.0	1052.201	1057.739	1062.708	1067.496	1072.056	1076.046	1079.998	1083.893	1087.731	1091.455
27.5	1045.693	1051.916	1057.454	1062.841	1068.047	1073.186	1077.699	1082.069	1086.239	1089.982
30.0	1038.464	1045.161	1051.004	1056.694	1062.385	1068.085	1073.623	1078.829	1083.712	1087.921
32.5	1029.192	1035.889	1042.767	1049.683	1056.666	1062.318	1067.971	1073.604	1079.200	1084.491
35.0	1018.675	1026.237	1033.666	1040.858	1047.888	1054.899	1061.834	1068.322	1073.566	1078.763
37.5	1006.240	1014.894	1023.207	1031.415	1039.452	1047.109	1053.920	1060.618	1067.030	1073.243
40.0	993.348	1002.250	1011.047	1020.167	1029.144	1037.466	1045.275	1052.552	1059.335	1065.605
42.5	978.443	988.190	998.060	1007.826	1017.754	1026.332	1034.749	1042.748	1050.405	1057.084
45.0	962.644	973.199	983.649	994.118	1004.159	1013.821	1022.998	1031.795	1039.547	1046.691
47.5	946.257	957.372	968.553	979.507	990.023	1000.084	1010.068	1018.770	1027.263	1035.177
50.0	928.321	940.623	952.327	963.689	975.013	985.938	995.391	1004.720	1014.134	1022.152
52.5	909.625	922.317	934.828	947.216	958.616	969.589	980.086	990.014	999.428	1008.358
55.0	890.368	903.535	916.446	928.862	941.117	952.432	963.509	974.462	984.342	993.586
57.5	869.288	883.215	896.486	909.511	922.060	934.420	946.105	957.267	967.717	977.417
60.0	846.839	861.137	875.197	888.611	901.854	914.802	927.010	938.628	949.971	959.224
62.5	824.552	838.888	853.052	866.685	880.222	893.627	906.765	918.678	929.603	939.816
65.0	800.251	816.401	829.853	843.818	858.049	871.767	885.371	897.503	908.694	919.324
67.5	775.903	791.321	805.695	820.106	834.774	848.806	862.894	875.520	886.625	897.873
70.0	752.979	768.407	783.180	797.278	811.043	825.360	840.313	853.432	864.262	875.795
72.5	729.771	745.959	760.085	773.851	787.094	801.192	815.537	828.989	840.693	852.207
75.0	703.522	720.917	736.136	749.711	762.327	776.226	790.295	803.538	816.278	828.552
77.5	676.257	693.756	710.666	724.527	736.962	751.022	765.215	778.791	792.091	804.640
80.0	649.619	666.254	682.689	696.673	710.077	724.185	738.834	752.856	767.011	779.342

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PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

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82.5	624.691	639.825	655.053	669.132	683.031	697.081	711.103	725.762	740.743	753.008
85.0	598.756	613.035	627.627	641.734	656.801	670.833	685.567	701.195	716.775	728.688
87.5	575.443	589.323	603.231	617.756	632.386	647.187	662.235	678.243	694.668	705.907
90.0	587.119	606.223	621.072	636.006	651.510	667.622	683.553	698.820	713.459	726.664
92.5	575.443	589.323	603.231	617.756	632.386	647.187	662.235	678.243	694.668	705.907
95.0	598.756	613.035	627.627	641.734	656.801	670.833	685.567	701.195	716.775	728.688
97.5	624.691	639.825	655.053	669.132	683.031	697.081	711.103	725.762	740.743	753.008
100.0	649.619	666.254	682.689	696.673	710.077	724.185	738.834	752.856	767.011	779.342
102.5	676.257	693.756	710.666	724.527	736.962	751.022	765.215	778.791	792.091	804.640
105.0	703.522	720.917	736.136	749.711	762.327	776.226	790.295	803.538	816.278	828.552
107.5	729.771	745.959	760.085	773.851	787.094	801.192	815.537	828.989	840.693	852.207
110.0	752.979	768.407	783.180	797.278	811.043	825.360	840.313	853.432	864.262	875.795
112.5	775.903	791.321	805.695	820.106	834.774	848.806	862.894	875.520	886.625	897.873
115.0	800.251	816.401	829.853	843.818	858.049	871.767	885.371	897.503	908.694	919.324
117.5	824.552	838.888	853.052	866.685	880.222	893.627	906.765	918.678	929.603	939.816
120.0	846.839	861.137	875.197	888.611	901.854	914.802	927.010	938.628	949.971	959.224
122.5	869.288	883.215	896.486	909.511	922.060	934.420	946.105	957.267	967.717	977.417
125.0	890.368	903.535	916.446	928.862	941.117	952.432	963.509	974.462	984.342	993.586
127.5	909.625	922.317	934.828	947.216	958.616	969.589	980.086	990.014	999.428	1008.358
130.0	928.321	940.623	952.327	963.689	975.013	985.938	995.391	1004.720	1014.134	1022.152
132.5	946.257	957.372	968.553	979.507	990.023	1000.084	1010.068	1018.770	1027.263	1035.177
135.0	962.644	973.199	983.649	994.118	1004.159	1013.821	1022.998	1031.795	1039.547	1046.691
137.5	978.443	988.190	998.060	1007.826	1017.754	1026.332	1034.749	1042.748	1050.405	1057.084
140.0	993.348	1002.250	1011.047	1020.167	1029.144	1037.466	1045.275	1052.552	1059.335	1065.605
142.5	1006.240	1014.894	1023.207	1031.415	1039.452	1047.109	1053.920	1060.618	1067.030	1073.243
145.0	1018.675	1026.237	1033.666	1040.858	1047.888	1054.899	1061.834	1068.322	1073.566	1078.763
147.5	1029.192	1035.889	1042.767	1049.683	1056.666	1062.318	1067.971	1073.604	1079.200	1084.491
150.0	1038.464	1045.161	1051.004	1056.694	1062.385	1068.085	1073.623	1078.829	1083.712	1087.921
152.5	1045.693	1051.916	1057.454	1062.841	1068.047	1073.186	1077.699	1082.069	1086.239	1089.982
155.0	1052.201	1057.739	1062.708	1067.496	1072.056	1076.046	1079.998	1083.893	1087.731	1091.455
157.5	1056.827	1061.169	1065.577	1069.975	1074.497	1078.231	1082.335	1085.109	1087.854	1090.552
160.0	1059.506	1063.886	1068.009	1071.419	1074.782	1078.088	1081.204	1084.102	1086.942	1089.764
162.5	1060.551	1063.829	1067.249	1070.621	1073.804	1076.711	1079.580	1082.392	1085.147	1087.218
165.0	1061.102	1063.762	1066.498	1069.244	1071.866	1074.203	1076.492	1078.554	1080.416	1082.278
167.5	1060.114	1062.043	1063.943	1065.909	1067.648	1069.491	1071.343	1073.158	1074.887	1076.559
170.0	1057.236	1059.031	1060.808	1062.214	1063.629	1065.007	1066.289	1067.382	1068.322	1069.139
172.5	1052.666	1053.835	1054.956	1056.029	1057.055	1058.034	1058.955	1059.934	1060.922	1061.976
175.0	1050.681	1051.137	1050.985	1051.203	1052.163	1052.676	1053.550	1054.405	1055.231	1056.039
177.5	1052.989	1052.923	1052.856	1052.799	1052.733	1052.676	1052.609	1052.543	1052.476	1052.410
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

**Vert.
Angles**

Horizontal Angles

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1052.343	1052.277	1052.210	1052.144	1052.571	1052.087	1051.992	1051.963	1051.944	1051.916
5.0	1056.818	1057.568	1058.319	1058.927	1059.449	1060.038	1060.342	1060.637	1060.884	1061.093
7.5	1062.993	1063.971	1064.921	1065.833	1066.707	1067.534	1068.322	1069.092	1069.624	1070.127
10.0	1069.852	1070.602	1071.315	1072.274	1073.557	1074.763	1075.922	1077.005	1078.031	1078.972
12.5	1078.145	1079.608	1080.558	1081.185	1081.717	1082.154	1082.943	1084.178	1085.327	1086.410
15.0	1084.035	1085.622	1087.417	1088.424	1089.441	1089.992	1090.248	1090.400	1091.103	1092.262
17.5	1088.823	1090.486	1092.139	1093.583	1094.723	1095.711	1096.509	1096.661	1096.537	1096.623
20.0	1092.101	1094.305	1095.863	1097.250	1098.950	1099.900	1100.717	1101.620	1101.914	1101.629
22.5	1093.231	1095.853	1098.352	1100.689	1102.199	1103.434	1104.346	1105.125	1105.809	1105.895
25.0	1094.362	1097.003	1099.454	1101.819	1104.080	1105.838	1106.911	1107.633	1108.146	1108.555
27.5	1093.668	1097.497	1099.881	1102.332	1104.517	1106.560	1108.308	1108.935	1109.087	1109.334

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

30.0	1091.844	1095.530	1098.846	1101.639	1103.624	1105.562	1107.386	1109.296	1109.258	1109.267
32.5	1088.928	1092.452	1095.853	1099.159	1102.503	1104.261	1105.838	1107.054	1107.975	1107.567
35.0	1083.845	1088.747	1092.785	1095.768	1098.475	1101.107	1102.788	1104.014	1105.125	1105.372
37.5	1078.383	1083.047	1087.341	1091.284	1094.115	1096.794	1099.264	1100.328	1100.841	1101.268
40.0	1071.324	1076.568	1081.214	1085.365	1089.023	1090.932	1092.832	1094.970	1095.730	1096.100
42.5	1063.401	1068.541	1073.538	1077.480	1080.872	1084.140	1086.353	1088.215	1089.697	1089.555
45.0	1053.540	1059.145	1064.104	1068.854	1072.806	1075.970	1078.687	1080.311	1081.803	1082.344
47.5	1042.216	1049.037	1054.500	1059.231	1063.525	1067.049	1069.871	1072.683	1073.452	1074.098
50.0	1030.066	1037.115	1043.461	1048.952	1053.179	1057.065	1060.190	1062.157	1063.914	1064.408
52.5	1016.614	1024.375	1031.149	1036.849	1042.102	1045.969	1049.142	1051.555	1053.312	1054.386
55.0	1002.174	1009.973	1017.089	1023.539	1028.935	1033.609	1036.925	1039.784	1041.789	1043.176
57.5	986.337	994.308	1001.262	1007.826	1013.697	1018.647	1022.751	1025.800	1028.489	1030.436
60.0	968.154	976.391	983.696	990.517	996.692	1001.917	1006.021	1009.565	1012.415	1015.084
62.5	948.774	957.400	964.801	972.382	979.241	985.501	990.280	993.120	995.248	997.908
65.0	928.910	937.422	945.630	953.648	961.267	969.009	973.636	976.020	978.443	980.732
67.5	908.076	917.177	926.031	933.831	942.058	949.838	955.795	959.034	961.371	963.756
70.0	886.673	896.458	905.654	914.973	924.122	932.225	938.761	942.998	945.383	948.071
72.5	863.816	874.532	884.592	894.824	905.540	915.562	922.858	925.604	928.606	931.779
75.0	840.560	851.950	862.362	873.658	884.374	894.700	901.141	905.179	908.428	911.639
77.5	816.981	828.618	839.306	850.810	861.450	870.314	877.002	882.569	886.730	890.957
80.0	791.331	803.168	814.919	826.319	836.978	846.155	854.297	860.586	865.051	869.848
82.5	765.633	777.736	790.115	801.667	813.000	823.564	833.663	839.458	843.486	847.723
85.0	740.468	752.827	765.272	776.815	788.433	800.166	811.993	816.610	820.306	824.305
87.5	717.763	729.676	741.997	753.549	765.187	777.888	790.476	794.323	797.696	802.037
90.0	739.252	750.585	761.738	773.072	784.424	793.896	801.068	806.132	808.659	810.654
92.5	717.763	729.676	741.997	753.549	765.187	777.888	790.476	794.323	797.696	802.037
95.0	740.468	752.827	765.272	776.815	788.433	800.166	811.993	816.610	820.306	824.305
97.5	765.633	777.736	790.115	801.667	813.000	823.564	833.663	839.458	843.486	847.723
100.0	791.331	803.168	814.919	826.319	836.978	846.155	854.297	860.586	865.051	869.848
102.5	816.981	828.618	839.306	850.810	861.450	870.314	877.002	882.569	886.730	890.957
105.0	840.560	851.950	862.362	873.658	884.374	894.700	901.141	905.179	908.428	911.639
107.5	863.816	874.532	884.592	894.824	905.540	915.562	922.858	925.604	928.606	931.779
110.0	886.673	896.458	905.654	914.973	924.122	932.225	938.761	942.998	945.383	948.071
112.5	908.076	917.177	926.031	933.831	942.058	949.838	955.795	959.034	961.371	963.756
115.0	928.910	937.422	945.630	953.648	961.267	969.009	973.636	976.020	978.443	980.732
117.5	948.774	957.400	964.801	972.382	979.241	985.501	990.280	993.120	995.248	997.908
120.0	968.154	976.391	983.696	990.517	996.692	1001.917	1006.021	1009.565	1012.415	1015.084
122.5	986.337	994.308	1001.262	1007.826	1013.697	1018.647	1022.751	1025.800	1028.489	1030.436
125.0	1002.174	1009.973	1017.089	1023.539	1028.935	1033.609	1036.925	1039.784	1041.789	1043.176
127.5	1016.614	1024.375	1031.149	1036.849	1042.102	1045.969	1049.142	1051.555	1053.312	1054.386
130.0	1030.066	1037.115	1043.461	1048.952	1053.179	1057.065	1060.190	1062.157	1063.914	1064.408
132.5	1042.216	1049.037	1054.500	1059.231	1063.525	1067.049	1069.871	1072.683	1073.452	1074.098
135.0	1053.540	1059.145	1064.104	1068.854	1072.806	1075.970	1078.687	1080.311	1081.803	1082.344
137.5	1063.401	1068.541	1073.538	1077.480	1080.872	1084.140	1086.353	1088.215	1089.697	1089.555
140.0	1071.324	1076.568	1081.214	1085.365	1089.023	1090.932	1092.832	1094.970	1095.730	1096.100
142.5	1078.383	1083.047	1087.341	1091.284	1094.115	1096.794	1099.264	1100.328	1100.841	1101.268
145.0	1083.845	1088.747	1092.785	1095.768	1098.475	1101.107	1102.788	1104.014	1105.125	1105.372
147.5	1088.928	1092.452	1095.853	1099.159	1102.503	1104.261	1105.838	1107.054	1107.975	1107.567
150.0	1091.844	1095.530	1098.846	1101.639	1103.624	1105.562	1107.386	1109.296	1109.258	1109.267
152.5	1093.668	1097.497	1099.881	1102.332	1104.517	1106.560	1108.308	1108.935	1109.087	1109.334
155.0	1094.362	1097.003	1099.454	1101.819	1104.080	1105.838	1106.911	1107.633	1108.146	1108.555
157.5	1093.231	1095.853	1098.352	1100.689	1102.199	1103.434	1104.346	1105.125	1105.809	1105.895
160.0	1092.101	1094.305	1095.863	1097.250	1098.950	1099.900	1100.717	1101.620	1101.914	1101.629
162.5	1088.823	1090.486	1092.139	1093.583	1094.723	1095.711	1096.509	1096.661	1096.537	1096.623
165.0	1084.035	1085.622	1087.417	1088.424	1089.441	1089.992	1090.248	1090.400	1091.103	1092.262
167.5	1078.145	1079.608	1080.558	1081.185	1081.717	1082.154	1082.943	1084.178	1085.327	1086.420

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

170.0	1069.852	1070.602	1071.315	1072.274	1073.557	1074.763	1075.922	1077.005	1078.031	1078.972
172.5	1062.993	1063.971	1064.921	1065.833	1066.707	1067.534	1068.322	1069.092	1069.624	1070.127
175.0	1056.818	1057.568	1058.319	1058.927	1059.449	1060.038	1060.342	1060.637	1060.884	1061.093
177.5	1052.343	1052.277	1052.210	1052.144	1052.571	1052.087	1051.992	1051.963	1051.944	1051.916
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

**Vert.
Angles**

Horizontal Angles

	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1052.144	1051.868	1051.878	1051.887	1051.897	1051.906	1051.906	1051.906	1051.897	1051.887
5.0	1061.264	1061.387	1061.463	1061.843	1061.568	1061.625	1061.653	1061.625	1061.568	1061.511
7.5	1070.678	1070.450	1070.536	1070.564	1070.545	1070.564	1070.593	1070.564	1070.545	1070.574
10.0	1079.732	1080.245	1080.416	1080.501	1080.501	1080.444	1080.492	1080.444	1080.501	1080.501
12.5	1087.417	1088.320	1089.013	1088.890	1088.757	1088.937	1088.586	1088.605	1088.766	1088.899
15.0	1093.345	1094.333	1095.160	1095.435	1095.331	1095.141	1095.065	1095.150	1095.340	1095.445
17.5	1097.725	1098.760	1099.720	1100.309	1100.480	1100.261	1099.938	1100.271	1100.489	1100.318
20.0	1101.601	1102.750	1103.824	1104.764	1104.840	1104.536	1104.280	1104.546	1104.850	1104.764
22.5	1105.268	1105.382	1106.455	1107.434	1107.823	1107.576	1107.253	1107.586	1107.833	1107.434
25.0	1108.156	1107.149	1107.852	1108.811	1109.467	1109.011	1108.479	1109.020	1109.448	1108.821
27.5	1109.429	1108.374	1107.833	1108.925	1109.780	1109.324	1109.125	1109.324	1109.790	1108.925
30.0	1109.153	1108.536	1106.883	1107.595	1108.517	1108.270	1107.700	1108.279	1108.526	1107.595
32.5	1107.215	1106.845	1105.144	1104.793	1105.638	1105.600	1105.030	1105.610	1105.638	1104.793
35.0	1104.650	1103.862	1102.475	1100.917	1101.753	1101.857	1101.297	1101.867	1101.753	1100.917
37.5	1100.451	1099.416	1098.238	1095.863	1096.433	1096.689	1096.119	1096.699	1096.433	1095.901
40.0	1095.929	1094.457	1092.918	1090.571	1090.087	1090.410	1089.840	1090.419	1090.096	1090.600
42.5	1089.165	1087.816	1086.040	1083.921	1082.506	1082.962	1082.420	1082.981	1082.506	1083.959
45.0	1081.822	1080.891	1078.858	1076.834	1074.469	1074.953	1074.564	1074.953	1074.478	1076.863
47.5	1073.414	1072.217	1070.213	1068.009	1064.969	1065.510	1065.225	1065.520	1064.978	1068.037
50.0	1064.950	1063.145	1061.340	1058.718	1055.469	1055.374	1055.288	1055.374	1055.507	1058.746
52.5	1054.291	1053.018	1051.203	1048.315	1045.180	1044.268	1044.420	1044.268	1045.218	1048.353
55.0	1043.128	1042.530	1040.402	1037.846	1034.550	1032.688	1033.039	1032.688	1034.578	1037.884
57.5	1031.538	1030.455	1028.375	1025.677	1022.361	1019.673	1020.233	1019.682	1022.390	1025.705
60.0	1016.424	1016.614	1015.616	1013.298	1009.603	1006.363	1006.886	1006.335	1009.631	1013.327
62.5	999.827	1001.024	1000.483	998.402	995.182	991.287	992.113	991.287	995.210	998.421
65.0	981.910	982.813	983.221	982.879	980.732	976.182	977.008	976.182	980.751	982.898
67.5	965.304	965.798	965.437	965.513	964.544	960.355	960.830	960.374	964.563	965.532
70.0	949.259	948.841	947.767	946.979	947.188	944.661	944.357	944.680	947.197	946.988
72.5	932.586	933.004	931.294	928.102	926.687	925.746	925.737	925.746	926.696	928.131
75.0	914.166	915.239	913.330	909.881	906.623	905.958	906.908	905.958	906.632	909.900
77.5	893.418	894.387	894.007	891.527	886.492	883.110	884.450	883.120	886.502	891.546
80.0	872.081	873.895	873.097	870.808	866.875	860.928	861.830	860.937	866.884	870.827
82.5	850.772	852.919	851.950	850.943	846.526	840.398	838.223	840.408	846.535	850.953
85.0	828.276	829.701	829.682	828.181	824.039	820.049	814.710	820.049	824.049	828.191
87.5	806.255	807.167	807.509	806.056	803.139	798.807	793.107	798.817	803.139	806.056
90.0	811.395	812.696	810.901	808.231	803.776	806.246	804.602	806.255	803.804	808.307
92.5	806.255	807.167	807.509	806.056	803.139	798.807	793.107	798.817	803.139	806.056
95.0	828.276	829.701	829.682	828.181	824.039	820.049	814.710	820.049	824.049	828.191
97.5	850.772	852.919	851.950	850.943	846.526	840.398	838.223	840.408	846.535	850.953
100.0	872.081	873.895	873.097	870.808	866.875	860.928	861.830	860.937	866.884	870.827
102.5	893.418	894.387	894.007	891.527	886.492	883.110	884.450	883.120	886.502	891.546
105.0	914.166	915.239	913.330	909.881	906.623	905.958	906.908	905.958	906.632	909.900
107.5	932.586	933.004	931.294	928.102	926.687	925.746	925.737	925.746	926.696	928.131
110.0	949.259	948.841	947.767	946.979	947.188	944.661	944.357	944.680	947.197	946.988
112.5	965.304	965.798	965.437	965.513	964.544	960.355	960.830	960.374	964.563	965.532
115.0	981.910	982.813	983.221	982.879	980.732	976.182	977.008	976.182	980.751	982.898

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

117.5	999.827	1001.024	1000.483	998.402	995.182	991.287	992.113	991.287	995.210	998.421
120.0	1016.424	1016.614	1015.616	1013.298	1009.603	1006.363	1006.886	1006.335	1009.631	1013.327
122.5	1031.538	1030.455	1028.375	1025.677	1022.361	1019.673	1020.233	1019.682	1022.390	1025.705
125.0	1043.128	1042.530	1040.402	1037.846	1034.550	1032.688	1033.039	1032.688	1034.578	1037.884
127.5	1054.291	1053.018	1051.203	1048.315	1045.180	1044.268	1044.420	1044.268	1045.218	1048.353
130.0	1064.950	1063.145	1061.340	1058.718	1055.469	1055.374	1055.288	1055.374	1055.507	1058.746
132.5	1073.414	1072.217	1070.213	1068.009	1064.969	1065.510	1065.225	1065.520	1064.978	1068.037
135.0	1081.822	1080.891	1078.858	1076.834	1074.469	1074.953	1074.564	1074.953	1074.478	1076.863
137.5	1089.165	1087.816	1086.040	1083.921	1082.506	1082.962	1082.420	1082.981	1082.506	1083.959
140.0	1095.929	1094.457	1092.918	1090.571	1090.087	1090.410	1089.840	1090.419	1090.096	1090.600
142.5	1100.451	1099.416	1098.238	1095.863	1096.433	1096.689	1096.119	1096.699	1096.433	1095.901
145.0	1104.650	1103.862	1102.475	1100.917	1101.753	1101.857	1101.297	1101.867	1101.753	1100.917
147.5	1107.215	1106.845	1105.144	1104.793	1105.638	1105.600	1105.030	1105.610	1105.638	1104.793
150.0	1109.153	1108.536	1106.883	1107.595	1108.517	1108.270	1107.700	1108.279	1108.526	1107.595
152.5	1109.429	1108.374	1107.833	1108.925	1109.780	1109.324	1109.125	1109.324	1109.790	1108.925
155.0	1108.156	1107.149	1107.852	1108.811	1109.467	1109.011	1108.479	1109.020	1109.448	1108.821
157.5	1105.268	1105.382	1106.455	1107.434	1107.823	1107.576	1107.253	1107.586	1107.833	1107.434
160.0	1101.601	1102.750	1103.824	1104.764	1104.840	1104.536	1104.280	1104.546	1104.850	1104.764
162.5	1097.725	1098.760	1099.720	1100.309	1100.480	1100.261	1099.938	1100.271	1100.489	1100.318
165.0	1093.345	1094.333	1095.160	1095.435	1095.331	1095.141	1095.065	1095.150	1095.340	1095.445
167.5	1087.417	1088.320	1089.013	1088.890	1088.757	1088.937	1088.586	1088.605	1088.766	1088.899
170.0	1079.732	1080.245	1080.416	1080.501	1080.501	1080.444	1080.492	1080.444	1080.501	1080.501
172.5	1070.678	1070.450	1070.536	1070.564	1070.545	1070.564	1070.593	1070.564	1070.545	1070.574
175.0	1061.264	1061.387	1061.463	1061.843	1061.568	1061.625	1061.653	1061.625	1061.568	1061.511
177.5	1052.144	1051.868	1051.878	1051.887	1051.897	1051.906	1051.906	1051.906	1051.897	1051.887
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

Vert. Horizontal Angles
Angles

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1051.878	1051.868	1052.220	1051.925	1051.954	1051.973	1051.992	1052.087	1052.581	1052.153
5.0	1061.473	1061.387	1061.264	1061.102	1060.893	1060.646	1060.352	1060.000	1059.449	1058.927
7.5	1070.545	1070.460	1070.688	1070.137	1069.633	1069.082	1068.322	1067.534	1066.707	1065.833
10.0	1080.416	1080.254	1079.741	1078.972	1078.022	1077.005	1075.922	1074.763	1073.547	1072.274
12.5	1089.023	1088.320	1087.417	1086.410	1085.327	1084.168	1082.943	1082.183	1081.746	1081.214
15.0	1095.169	1094.333	1093.345	1092.262	1091.103	1090.429	1090.277	1090.020	1089.469	1088.453
17.5	1099.720	1098.770	1097.725	1096.623	1096.575	1096.699	1096.537	1095.739	1094.742	1093.602
20.0	1103.824	1102.750	1101.601	1101.658	1101.952	1101.639	1100.746	1099.929	1098.912	1097.278
22.5	1106.465	1105.382	1105.296	1105.933	1105.838	1105.154	1104.375	1103.491	1102.228	1100.717
25.0	1107.852	1107.177	1108.194	1108.583	1108.175	1107.662	1106.940	1105.866	1104.099	1101.838
27.5	1107.833	1108.403	1109.457	1109.362	1109.115	1108.906	1108.346	1106.588	1104.536	1102.361
30.0	1106.921	1108.574	1109.182	1109.296	1109.315	1109.267	1107.415	1105.591	1103.643	1101.667
32.5	1105.154	1106.854	1107.253	1107.595	1108.004	1107.092	1105.866	1104.289	1102.465	1099.178
35.0	1102.513	1103.900	1104.688	1105.410	1105.154	1104.052	1102.826	1101.135	1098.504	1095.796
37.5	1098.266	1099.454	1100.489	1101.306	1100.879	1100.366	1099.292	1096.822	1094.143	1091.312
40.0	1092.956	1094.495	1095.967	1096.129	1095.758	1095.017	1092.861	1090.961	1088.975	1085.394
42.5	1086.078	1087.854	1089.194	1089.583	1089.735	1088.244	1086.391	1084.168	1080.900	1077.509
45.0	1078.896	1080.929	1081.850	1082.382	1081.736	1080.349	1078.715	1075.998	1072.835	1068.883
47.5	1070.251	1072.255	1073.443	1074.136	1073.490	1072.673	1069.909	1067.087	1063.553	1059.259
50.0	1061.378	1063.183	1064.950	1064.446	1063.943	1062.195	1060.219	1057.093	1053.208	1048.980
52.5	1051.241	1053.046	1054.319	1054.424	1053.341	1051.583	1049.170	1045.997	1042.140	1036.868
55.0	1040.430	1042.558	1043.166	1043.204	1041.817	1039.813	1036.963	1033.638	1028.964	1023.568
57.5	1028.403	1030.484	1031.567	1030.474	1028.508	1025.829	1022.779	1018.599	1013.726	1007.855
60.0	1015.645	1016.642	1016.443	1015.113	1012.443	1009.593	1006.050	1001.946	996.721	990.546
62.5	1000.511	1001.043	999.856	997.927	995.277	993.149	990.318	985.530	979.260	972.410

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

65.0	983.240	982.832	981.929	980.761	978.471	976.049	973.664	969.038	961.295	953.676
67.5	965.466	965.817	965.323	963.775	961.409	959.063	955.795	949.857	942.086	933.859
70.0	947.786	948.869	949.287	948.100	945.411	943.036	938.790	932.254	924.150	914.992
72.5	931.323	933.033	932.615	931.807	928.634	925.623	922.887	915.591	905.540	894.852
75.0	913.349	915.258	914.185	911.658	908.447	905.198	901.170	894.719	884.393	873.677
77.5	894.026	894.406	893.437	890.976	886.749	882.588	877.021	870.333	861.469	850.829
80.0	873.107	873.905	872.100	869.858	865.070	860.605	854.316	846.165	836.997	826.329
82.5	851.960	852.929	850.782	847.732	843.495	839.467	833.672	823.583	813.010	801.676
85.0	829.692	829.711	828.276	824.315	820.315	816.620	812.003	800.175	788.443	776.815
87.5	807.509	807.167	806.255	802.037	797.705	794.333	790.485	777.898	765.187	753.549
90.0	810.986	812.782	811.490	810.749	808.763	806.227	801.173	793.981	784.519	773.167
92.5	807.509	807.167	806.255	802.037	797.705	794.333	790.485	777.898	765.187	753.549
95.0	829.692	829.711	828.276	824.315	820.315	816.620	812.003	800.175	788.443	776.815
97.5	851.960	852.929	850.782	847.732	843.495	839.467	833.672	823.583	813.010	801.676
100.0	873.107	873.905	872.100	869.858	865.070	860.605	854.316	846.165	836.997	826.329
102.5	894.026	894.406	893.437	890.976	886.749	882.588	877.021	870.333	861.469	850.829
105.0	913.349	915.258	914.185	911.658	908.447	905.198	901.170	894.719	884.393	873.677
107.5	931.323	933.033	932.615	931.807	928.634	925.623	922.887	915.591	905.540	894.852
110.0	947.786	948.869	949.287	948.100	945.411	943.036	938.790	932.254	924.150	914.992
112.5	965.466	965.817	965.323	963.775	961.409	959.063	955.795	949.857	942.086	933.859
115.0	983.240	982.832	981.929	980.761	978.471	976.049	973.664	969.038	961.295	953.676
117.5	1000.511	1001.043	999.856	997.927	995.277	993.149	990.318	985.530	979.260	972.410
120.0	1015.645	1016.642	1016.443	1015.113	1012.443	1009.593	1006.050	1001.946	996.721	990.546
122.5	1028.403	1030.484	1031.567	1030.474	1028.508	1025.829	1022.779	1018.599	1013.726	1007.855
125.0	1040.430	1042.558	1043.166	1043.204	1041.817	1039.813	1036.963	1033.638	1028.964	1023.568
127.5	1051.241	1053.046	1054.319	1054.424	1053.341	1051.583	1049.170	1045.997	1042.140	1036.868
130.0	1061.378	1063.183	1064.950	1064.446	1063.943	1062.195	1060.219	1057.093	1053.208	1048.980
132.5	1070.251	1072.255	1073.443	1074.136	1073.490	1072.673	1069.909	1067.087	1063.553	1059.259
135.0	1078.896	1080.929	1081.850	1082.382	1081.736	1080.349	1078.715	1075.998	1072.835	1068.883
137.5	1086.078	1087.854	1089.194	1089.583	1089.735	1088.244	1086.391	1084.168	1080.900	1077.509
140.0	1092.956	1094.495	1095.967	1096.129	1095.758	1095.017	1092.861	1090.961	1088.975	1085.394
142.5	1098.266	1099.454	1100.489	1101.306	1100.879	1100.366	1099.292	1096.822	1094.143	1091.312
145.0	1102.513	1103.900	1104.688	1105.410	1105.154	1104.052	1102.826	1101.135	1098.504	1095.796
147.5	1105.154	1106.854	1107.253	1107.595	1108.004	1107.092	1105.866	1104.289	1102.465	1099.178
150.0	1106.921	1108.574	1109.182	1109.296	1109.315	1109.267	1107.415	1105.591	1103.643	1101.667
152.5	1107.833	1108.403	1109.457	1109.362	1109.115	1108.906	1108.346	1106.588	1104.536	1102.361
155.0	1107.852	1107.177	1108.194	1108.583	1108.175	1107.662	1106.940	1105.866	1104.099	1101.838
157.5	1106.465	1105.382	1105.296	1105.933	1105.838	1105.154	1104.375	1103.491	1102.228	1100.717
160.0	1103.824	1102.750	1101.601	1101.658	1101.952	1101.639	1100.746	1099.929	1098.912	1097.278
162.5	1099.720	1098.770	1097.725	1096.623	1096.575	1096.699	1096.537	1095.739	1094.742	1093.602
165.0	1095.169	1094.333	1093.345	1092.262	1091.103	1090.429	1090.277	1090.020	1089.469	1088.453
167.5	1089.023	1088.320	1087.417	1086.410	1085.327	1084.168	1082.943	1082.183	1081.746	1081.214
170.0	1080.416	1080.254	1079.741	1078.972	1078.022	1077.005	1075.922	1074.763	1073.547	1072.274
172.5	1070.545	1070.460	1070.688	1070.137	1069.633	1069.082	1068.322	1067.534	1066.707	1065.833
175.0	1061.473	1061.387	1061.264	1061.102	1060.893	1060.646	1060.352	1060.000	1059.449	1058.927
177.5	1051.878	1051.868	1052.220	1051.925	1051.954	1051.973	1051.992	1052.087	1052.581	1052.153
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

**Vert.
Angles**

Horizontal Angles

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1052.220	1052.286	1052.353	1052.419	1052.486	1052.552	1052.619	1052.685	1052.742	1052.809
5.0	1058.319	1057.568	1056.818	1056.039	1055.231	1054.405	1053.550	1052.666	1052.163	1051.203
7.5	1064.921	1063.971	1062.983	1061.967	1060.922	1059.924	1058.984	1058.062	1057.084	1056.058
10.0	1071.343	1070.631	1069.880	1069.168	1068.351	1067.410	1066.318	1065.026	1063.648	1062.233

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

12.5	1080.596	1079.637	1078.174	1076.578	1074.915	1073.177	1071.372	1069.500	1067.667	1065.957
15.0	1087.436	1085.641	1084.064	1082.297	1080.435	1078.573	1076.511	1074.222	1071.894	1069.263
17.5	1092.158	1090.505	1088.842	1087.237	1085.166	1082.401	1079.589	1076.730	1073.813	1070.631
20.0	1095.891	1094.333	1092.110	1089.783	1086.961	1084.121	1081.242	1078.098	1074.792	1071.429
22.5	1098.371	1095.863	1093.250	1090.571	1087.873	1085.128	1082.240	1078.240	1074.497	1069.975
25.0	1099.482	1097.022	1094.381	1091.483	1087.740	1083.902	1080.007	1076.065	1072.065	1067.496
27.5	1099.910	1097.544	1093.687	1090.001	1086.249	1082.088	1077.708	1073.205	1068.047	1062.841
30.0	1098.874	1095.549	1091.863	1087.968	1083.731	1078.839	1073.633	1068.094	1062.394	1056.704
32.5	1095.882	1092.471	1088.947	1084.510	1079.219	1073.614	1067.980	1062.328	1056.666	1049.683
35.0	1092.813	1088.766	1083.864	1078.782	1073.585	1068.351	1061.843	1054.899	1047.888	1040.858
37.5	1087.360	1083.066	1078.402	1073.262	1067.049	1060.627	1053.930	1047.118	1039.328	1031.415
40.0	1081.242	1076.587	1071.343	1065.624	1059.354	1052.571	1045.285	1037.476	1029.144	1020.167
42.5	1073.566	1068.569	1063.420	1057.103	1050.415	1042.758	1034.759	1026.342	1017.792	1007.826
45.0	1064.123	1059.174	1053.559	1046.710	1039.566	1031.814	1023.007	1013.678	1004.159	994.118
47.5	1054.528	1049.018	1042.235	1035.196	1027.282	1018.780	1010.078	1000.093	990.023	979.516
50.0	1043.489	1037.143	1030.085	1022.171	1014.144	1004.729	995.400	985.938	975.023	963.699
52.5	1031.177	1024.290	1016.642	1008.377	999.447	990.033	980.096	969.598	958.616	947.216
55.0	1017.117	1010.002	1002.202	993.614	984.361	974.472	963.518	952.441	941.127	928.872
57.5	1001.290	994.336	986.366	977.436	967.736	957.277	946.124	934.429	922.070	909.520
60.0	983.725	976.410	968.183	959.253	949.962	938.647	927.019	914.802	901.863	888.611
62.5	964.820	957.419	948.803	939.844	929.622	918.697	906.775	893.636	880.222	866.694
65.0	945.658	937.450	928.938	919.343	908.713	897.522	885.381	871.777	858.059	843.828
67.5	925.955	917.206	908.095	897.892	886.644	875.529	862.904	848.815	834.784	820.116
70.0	905.682	896.486	886.701	875.814	864.272	853.451	840.332	825.379	811.053	797.287
72.5	884.611	874.551	863.835	852.226	840.702	829.008	815.556	801.201	787.103	773.860
75.0	862.381	851.969	840.579	828.571	816.297	803.557	790.305	776.235	762.337	749.721
77.5	839.325	828.637	816.990	804.659	792.110	778.800	765.225	751.032	736.972	724.536
80.0	814.929	803.187	791.340	779.361	767.030	752.865	738.843	724.194	710.087	696.682
82.5	790.124	777.746	765.643	753.027	740.753	725.771	711.113	697.091	683.040	669.142
85.0	765.282	752.837	740.468	728.697	716.784	701.204	685.577	670.833	656.801	641.734
87.5	741.997	729.676	717.763	705.907	694.668	678.252	662.245	647.187	632.386	617.756
90.0	761.833	750.680	739.337	726.750	713.526	698.896	683.620	667.688	651.567	636.063
92.5	741.997	729.676	717.772	705.907	694.668	678.252	662.245	647.187	632.386	617.756
95.0	765.282	752.837	740.468	728.697	716.784	701.204	685.577	670.833	656.801	641.734
97.5	790.124	777.746	765.643	753.027	740.753	725.771	711.113	697.091	683.040	669.142
100.0	814.929	803.187	791.340	779.361	767.030	752.865	738.843	724.194	710.087	696.682
102.5	839.325	828.637	816.990	804.659	792.110	778.800	765.225	751.032	736.972	724.536
105.0	862.381	851.969	840.579	828.571	816.297	803.557	790.305	776.235	762.337	749.721
107.5	884.611	874.551	863.835	852.226	840.702	829.008	815.556	801.201	787.103	773.860
110.0	905.682	896.486	886.701	875.814	864.272	853.451	840.332	825.379	811.053	797.287
112.5	925.955	917.206	908.095	897.892	886.644	875.529	862.904	848.815	834.784	820.116
115.0	945.658	937.450	928.938	919.343	908.713	897.522	885.381	871.777	858.059	843.828
117.5	964.820	957.419	948.803	939.844	929.622	918.697	906.775	893.636	880.222	866.694
120.0	983.725	976.410	968.183	959.253	949.962	938.647	927.019	914.802	901.863	888.611
122.5	1001.290	994.336	986.366	977.436	967.736	957.277	946.124	934.429	922.070	909.520
125.0	1017.117	1010.002	1002.202	993.614	984.361	974.472	963.518	952.441	941.127	928.872
127.5	1031.177	1024.290	1016.642	1008.377	999.447	990.033	980.096	969.598	958.616	947.216
130.0	1043.489	1037.143	1030.085	1022.171	1014.144	1004.729	995.400	985.938	975.023	963.699
132.5	1054.528	1049.018	1042.235	1035.196	1027.282	1018.780	1010.078	1000.093	990.023	979.516
135.0	1064.123	1059.174	1053.559	1046.710	1039.566	1031.814	1023.007	1013.678	1004.159	994.118
137.5	1073.566	1068.569	1063.420	1057.103	1050.415	1042.758	1034.759	1026.342	1017.792	1007.836
140.0	1081.242	1076.587	1071.343	1065.624	1059.354	1052.571	1045.285	1037.476	1029.144	1020.167
142.5	1087.360	1083.066	1078.402	1073.262	1067.049	1060.627	1053.930	1047.118	1039.328	1031.415
145.0	1092.813	1088.766	1083.864	1078.782	1073.585	1068.351	1061.843	1054.899	1047.888	1040.858
147.5	1095.882	1092.471	1088.947	1084.510	1079.219	1073.614	1067.980	1062.328	1056.666	1049.683
150.0	1098.874	1095.549	1091.863	1087.968	1083.731	1078.839	1073.633	1068.094	1062.394	1056.704

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

152.5	1099.910	1097.544	1093.687	1090.001	1086.249	1082.088	1077.708	1073.205	1068.047	1062.841
155.0	1099.482	1097.022	1094.381	1091.483	1087.740	1083.902	1080.007	1076.055	1072.065	1067.496
157.5	1098.371	1095.863	1093.250	1090.571	1087.873	1085.128	1082.240	1078.240	1074.497	1069.975
160.0	1095.891	1094.333	1092.110	1089.783	1086.961	1084.121	1081.242	1078.098	1074.792	1071.429
162.5	1092.158	1090.505	1088.842	1087.237	1085.166	1082.401	1079.589	1076.730	1073.813	1070.631
165.0	1087.436	1085.641	1084.064	1082.297	1080.435	1078.573	1076.511	1074.222	1071.894	1069.263
167.5	1080.596	1079.637	1078.174	1076.578	1074.915	1073.177	1071.372	1069.500	1067.667	1065.957
170.0	1071.343	1070.631	1069.880	1069.168	1068.351	1067.410	1066.318	1065.026	1063.648	1062.233
172.5	1064.921	1063.971	1062.983	1061.967	1060.922	1059.924	1058.984	1058.062	1057.084	1056.058
175.0	1058.319	1057.568	1056.818	1056.039	1055.231	1054.405	1053.550	1052.666	1052.163	1051.203
177.5	1052.220	1052.286	1052.353	1052.419	1052.486	1052.552	1052.619	1052.685	1052.742	1052.809
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

**Vert.
Angles**

Horizontal Angles

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1052.866	1052.923	1052.999	1053.018	1053.008	1053.037	1053.065	1053.103	1053.132	1053.170
5.0	1050.985	1051.051	1050.681	1050.681	1050.681	1050.690	1050.719	1050.747	1050.776	1050.823
7.5	1054.984	1053.854	1052.695	1051.479	1051.013	1051.051	1051.127	1051.374	1051.422	1051.555
10.0	1060.817	1059.050	1057.255	1055.431	1053.569	1051.678	1050.453	1050.481	1050.291	1050.405
12.5	1063.952	1062.062	1060.133	1058.062	1055.725	1053.341	1050.937	1048.638	1048.733	1048.610
15.0	1066.508	1063.762	1061.112	1058.442	1055.763	1052.828	1049.721	1046.624	1043.974	1043.955
17.5	1067.258	1063.838	1060.561	1057.445	1054.319	1051.184	1047.831	1044.221	1040.611	1038.844
20.0	1068.028	1063.886	1059.516	1055.383	1051.213	1047.289	1043.394	1039.243	1034.901	1030.845
22.5	1065.586	1061.178	1056.770	1051.659	1046.700	1042.102	1037.618	1033.191	1028.318	1023.425
25.0	1062.708	1057.758	1052.191	1046.719	1040.801	1035.158	1029.743	1024.565	1019.283	1013.697
27.5	1057.454	1051.906	1045.712	1039.537	1033.552	1026.959	1020.775	1014.980	1009.299	1003.285
30.0	1051.013	1045.161	1038.454	1031.377	1024.299	1017.241	1009.793	1003.190	996.778	990.185
32.5	1042.767	1035.880	1029.182	1021.421	1013.707	1006.069	998.212	990.631	983.791	976.543
35.0	1033.666	1026.237	1018.666	1010.857	1002.022	993.244	984.608	976.049	968.126	960.592
37.5	1023.197	1014.885	1006.230	997.671	988.931	979.383	970.064	960.934	952.156	943.891
40.0	1011.047	1002.250	993.339	983.991	974.567	964.411	954.028	943.910	934.363	925.442
42.5	998.060	988.152	978.433	968.620	958.455	948.081	937.222	926.383	916.161	906.651
45.0	983.639	973.189	962.644	952.403	941.744	931.085	919.419	907.668	896.714	886.369
47.5	968.553	957.362	946.247	935.094	923.761	912.066	900.134	887.946	876.185	865.279
50.0	952.337	940.633	928.311	916.531	904.542	892.601	880.004	867.245	854.487	842.992
52.5	934.828	922.317	909.625	897.085	884.754	872.261	858.980	845.690	832.304	820.277
55.0	916.446	903.535	890.349	876.916	864.101	850.820	837.501	823.783	809.770	796.888
57.5	896.496	883.215	869.288	855.712	842.441	828.865	814.701	800.622	786.172	772.730
60.0	875.197	861.137	846.839	832.542	818.757	804.783	791.008	776.872	762.118	747.925
62.5	853.062	838.888	824.543	808.697	793.839	779.722	765.225	750.747	736.278	722.000
65.0	829.863	816.401	800.251	784.158	768.768	753.730	738.454	723.634	709.070	695.732
67.5	805.695	791.321	775.903	759.943	743.755	728.479	713.022	697.765	682.052	668.458
70.0	783.189	768.407	752.989	736.449	720.052	704.320	688.009	671.878	655.861	641.269
72.5	760.095	745.968	729.771	712.395	695.419	679.601	662.910	647.026	630.049	613.985
75.0	736.145	720.926	703.532	686.612	669.189	653.191	636.870	621.024	603.620	587.575
77.5	710.676	693.766	676.257	659.908	642.447	626.724	610.014	593.940	577.277	561.155
80.0	682.698	666.263	649.629	632.918	615.714	600.001	583.081	567.178	550.012	533.852
82.5	655.053	639.825	624.691	607.325	589.665	573.686	557.260	541.357	524.115	508.525
85.0	627.636	613.044	598.766	581.001	563.027	546.896	530.860	514.577	497.686	481.631
87.5	603.231	589.323	575.443	557.184	539.125	522.994	506.996	490.228	473.157	457.624
90.0	621.119	606.271	587.157	567.891	548.891	530.423	512.401	494.313	476.738	458.128
92.5	603.231	589.323	575.443	557.184	539.125	522.994	506.996	490.228	473.157	457.624
95.0	627.636	613.044	598.766	581.001	563.027	546.896	530.860	514.577	497.686	481.631
97.5	655.053	639.825	624.691	607.325	589.665	573.686	557.260	541.357	524.115	508.525

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

100.0	682.698	666.263	649.629	632.918	615.714	600.001	583.081	567.178	550.012	533.852
102.5	710.676	693.766	676.257	659.908	642.447	626.724	610.014	593.940	577.277	561.155
105.0	736.145	720.926	703.532	686.612	669.189	653.191	636.870	621.024	603.620	587.575
107.5	760.095	745.968	729.771	712.395	695.419	679.601	662.910	647.026	630.049	613.985
110.0	783.189	768.407	752.989	736.449	720.052	704.320	688.009	671.878	655.861	641.269
112.5	805.695	791.321	775.903	759.943	743.755	728.479	713.022	697.765	682.052	668.458
115.0	829.863	816.401	800.251	784.158	768.768	753.730	738.454	723.634	709.070	695.732
117.5	853.062	838.888	824.543	808.697	793.839	779.722	765.225	750.747	736.278	722.000
120.0	875.197	861.137	846.839	832.542	818.757	804.783	791.008	776.872	762.118	747.925
122.5	896.496	883.215	869.288	855.712	842.441	828.865	814.701	800.622	786.172	772.730
125.0	916.446	903.535	890.349	876.916	864.101	850.820	837.501	823.792	809.770	796.888
127.5	934.828	922.317	909.625	897.085	884.754	872.261	858.980	845.690	832.304	820.277
130.0	952.337	940.633	928.311	916.531	904.542	892.601	880.004	867.245	854.487	842.992
132.5	968.553	957.362	946.247	935.094	923.761	912.066	900.134	887.946	876.185	865.279
135.0	983.639	973.189	962.644	952.403	941.744	931.085	919.419	907.668	896.714	886.369
137.5	998.060	988.152	978.433	968.620	958.455	948.081	937.222	926.383	916.161	906.651
140.0	1011.047	1002.250	993.339	983.991	974.567	964.411	954.028	943.910	934.363	925.442
142.5	1023.197	1014.885	1006.230	997.671	988.931	979.383	970.064	960.934	952.156	943.891
145.0	1033.666	1026.237	1018.666	1010.857	1002.022	993.244	984.608	976.049	968.126	960.592
147.5	1042.767	1035.880	1029.182	1021.421	1013.707	1006.069	998.212	990.631	983.791	976.543
150.0	1051.013	1045.161	1038.454	1031.377	1024.299	1017.241	1009.793	1003.190	996.778	990.185
152.5	1057.454	1051.906	1045.712	1039.537	1033.552	1026.959	1020.775	1014.980	1009.299	1003.285
155.0	1062.708	1057.749	1052.191	1046.719	1040.801	1035.158	1029.743	1024.565	1019.283	1013.697
157.5	1065.586	1061.178	1056.770	1051.659	1046.700	1042.102	1037.618	1033.191	1028.318	1023.425
160.0	1068.028	1063.886	1059.516	1055.383	1051.213	1047.289	1043.394	1039.243	1034.901	1030.845
162.5	1067.258	1063.838	1060.561	1057.445	1054.319	1051.184	1047.831	1044.221	1040.611	1038.844
165.0	1066.508	1063.762	1061.112	1058.442	1055.763	1052.828	1049.721	1046.624	1043.974	1043.955
167.5	1063.952	1062.062	1060.133	1058.062	1055.716	1053.341	1050.937	1048.638	1048.733	1048.610
170.0	1060.817	1059.050	1057.255	1055.431	1053.569	1051.678	1050.453	1050.481	1050.291	1050.405
172.5	1054.984	1053.854	1052.695	1051.479	1051.013	1051.051	1051.127	1051.374	1051.422	1051.555
175.0	1050.985	1051.051	1050.681	1050.681	1050.681	1050.690	1050.719	1050.747	1050.776	1050.823
177.5	1052.866	1052.923	1052.999	1053.018	1053.008	1053.037	1053.065	1053.103	1053.132	1053.170
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

Vert. Angles **Horizontal Angles**

	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1053.208	1053.236	1053.284	1053.246	1053.208	1053.170	1053.141	1053.103	1053.075	1053.037
5.0	1050.880	1050.937	1051.013	1050.947	1050.880	1050.833	1050.785	1050.747	1050.719	1050.700
7.5	1051.688	1051.802	1051.916	1051.811	1051.688	1051.564	1051.431	1051.374	1051.127	1051.080
10.0	1050.519	1050.652	1050.785	1050.652	1050.529	1050.405	1050.301	1050.519	1050.453	1051.640
12.5	1048.866	1048.809	1048.971	1048.809	1048.866	1048.619	1048.771	1048.629	1050.899	1053.303
15.0	1043.907	1044.050	1044.240	1044.059	1043.907	1043.964	1043.964	1046.577	1049.683	1052.780
17.5	1038.853	1039.034	1039.281	1039.043	1038.863	1038.872	1040.573	1044.173	1047.793	1051.146
20.0	1030.731	1030.873	1031.111	1030.883	1030.731	1030.835	1034.863	1039.195	1043.356	1047.251
22.5	1021.839	1022.114	1022.409	1022.114	1021.839	1023.387	1028.270	1033.153	1037.590	1042.064
25.0	1010.277	1010.372	1010.619	1010.382	1010.277	1013.659	1019.245	1024.527	1029.705	1035.158
27.5	997.880	997.937	998.184	997.937	997.880	1003.247	1009.261	1014.942	1020.737	1026.912
30.0	983.801	983.183	983.430	983.183	983.744	990.147	996.740	1003.152	1009.745	1017.193
32.5	969.408	967.594	967.822	967.594	969.399	976.495	983.763	990.593	998.165	1006.031
35.0	952.584	949.876	950.104	949.876	952.546	960.554	968.088	976.011	984.561	993.196
37.5	935.379	931.408	931.646	931.408	935.341	943.853	952.118	960.925	970.026	979.336
40.0	916.474	911.259	911.525	911.259	916.436	925.404	934.325	943.872	953.980	964.364
42.5	897.094	890.577	890.834	890.577	897.056	906.613	916.123	926.335	937.175	948.033
45.0	876.413	868.604	868.879	868.604	876.375	886.331	896.676	907.630	919.381	931.047

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

47.5	854.715	845.766	846.241	845.766	854.677	865.241	876.147	887.908	900.096	912.057
50.0	831.782	822.196	821.883	822.168	831.753	842.954	854.458	867.207	879.966	892.563
52.5	808.535	798.446	797.316	798.418	808.507	820.239	832.276	845.652	858.942	872.233
55.0	784.462	773.936	772.027	773.917	784.424	796.860	809.761	823.745	837.472	850.782
57.5	759.781	748.818	746.139	748.790	759.753	772.701	786.144	800.593	814.663	828.837
60.0	734.416	722.950	719.416	722.921	734.388	747.897	762.080	776.843	790.979	804.754
62.5	708.063	696.274	691.837	696.255	708.035	721.971	736.269	750.718	765.196	779.684
65.0	681.425	669.294	663.907	669.275	681.406	695.704	709.042	723.615	738.454	753.692
67.5	654.806	642.703	636.509	642.694	654.787	668.439	682.033	697.746	712.994	728.450
70.0	627.731	616.046	608.988	616.027	627.712	641.250	655.842	671.849	687.980	704.301
72.5	599.364	588.458	580.906	588.449	599.345	613.975	630.030	646.997	662.891	679.582
75.0	571.501	560.319	552.643	560.310	571.482	587.565	603.601	621.005	636.870	653.172
77.5	544.065	531.316	523.602	531.306	544.055	561.136	577.258	593.930	609.995	626.715
80.0	517.417	503.158	494.855	503.148	517.408	533.843	550.002	567.169	583.072	599.982
82.5	491.302	476.900	466.507	476.890	491.302	508.516	524.105	541.348	557.251	573.676
85.0	464.502	451.088	438.691	451.088	464.493	481.621	497.676	514.567	530.860	546.886
87.5	441.465	427.718	414.124	427.718	441.455	457.624	473.157	490.228	506.996	522.994
90.0	440.866	424.061	424.925	424.042	440.790	458.052	476.662	494.237	512.316	530.337
92.5	441.465	427.718	414.124	427.718	441.455	457.624	473.157	490.228	506.996	522.994
95.0	464.502	451.088	438.691	451.088	464.493	481.621	497.676	514.567	530.860	546.886
97.5	491.302	476.900	466.507	476.890	491.302	508.516	524.105	541.348	557.251	573.676
100.0	517.417	503.158	494.855	503.148	517.408	533.843	550.002	567.169	583.072	599.982
102.5	544.065	531.316	523.602	531.306	544.055	561.136	577.258	593.930	609.995	626.715
105.0	571.501	560.319	552.643	560.310	571.482	587.565	603.601	621.005	636.870	653.172
107.5	599.364	588.458	580.906	588.449	599.345	613.975	630.030	646.997	662.891	679.582
110.0	627.731	616.046	608.988	616.027	627.712	641.250	655.842	671.849	687.980	704.301
112.5	654.806	642.703	636.509	642.694	654.787	668.439	682.033	697.746	712.994	728.450
115.0	681.425	669.294	663.907	669.275	681.406	695.704	709.042	723.615	738.454	753.692
117.5	708.063	696.274	691.837	696.255	708.035	721.971	736.269	750.718	765.196	779.684
120.0	734.416	722.950	719.416	722.921	734.388	747.897	762.080	776.843	790.979	804.754
122.5	759.781	748.818	746.139	748.790	759.753	772.701	786.144	800.593	814.663	828.837
125.0	784.462	773.936	772.027	773.917	784.424	796.860	809.761	823.745	837.472	850.782
127.5	808.535	798.446	797.316	798.418	808.507	820.239	832.276	845.652	858.942	872.233
130.0	831.782	822.196	821.883	822.168	831.753	842.954	854.458	867.207	879.966	892.563
132.5	854.715	845.766	846.241	845.766	854.677	865.241	876.147	887.908	900.096	912.057
135.0	876.413	868.604	868.879	868.604	876.375	886.331	896.676	907.630	919.381	931.047
137.5	897.094	890.577	890.834	890.577	897.056	906.613	916.123	926.335	937.175	948.033
140.0	916.474	911.259	911.525	911.259	916.436	925.404	934.325	943.872	953.980	964.364
142.5	935.379	931.408	931.646	931.408	935.341	943.853	952.118	960.925	970.026	979.336
145.0	952.584	949.876	950.104	949.876	952.546	960.554	968.088	976.011	984.561	993.196
147.5	969.408	967.594	967.822	967.594	969.399	976.495	983.763	990.593	998.165	1006.031
150.0	983.801	983.183	983.430	983.183	983.744	990.147	996.740	1003.152	1009.745	1017.193
152.5	997.880	997.937	998.184	997.937	997.880	1003.247	1009.261	1014.942	1020.737	1026.912
155.0	1010.277	1010.372	1010.619	1010.382	1010.277	1013.659	1019.245	1024.527	1029.705	1035.158
157.5	1021.839	1022.114	1022.409	1022.114	1021.839	1023.387	1028.270	1033.153	1037.590	1042.064
160.0	1030.731	1030.873	1031.111	1030.883	1030.731	1030.835	1034.863	1039.195	1043.356	1047.251
162.5	1038.853	1039.034	1039.281	1039.043	1038.863	1038.872	1040.573	1044.173	1047.793	1051.146
165.0	1043.907	1044.050	1044.240	1044.059	1043.907	1043.964	1043.964	1046.586	1049.683	1052.780
167.5	1048.866	1048.809	1048.971	1048.809	1048.866	1048.619	1048.771	1048.629	1050.899	1053.303
170.0	1050.519	1050.652	1050.785	1050.652	1050.529	1050.405	1050.301	1050.519	1050.453	1051.640
172.5	1051.688	1051.802	1051.916	1051.811	1051.688	1051.564	1051.431	1051.374	1051.127	1051.080
175.0	1050.880	1050.937	1051.013	1050.947	1050.880	1050.833	1050.785	1050.747	1050.719	1050.700
177.5	1053.208	1053.236	1053.284	1053.246	1053.208	1053.170	1053.141	1053.103	1053.075	1053.037
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1053.008	1053.027	1053.008	1052.932	1052.866	1052.809	1052.752	1052.685	1052.619	1052.552
5.0	1050.681	1050.681	1050.681	1051.051	1050.975	1051.194	1052.087	1052.628	1053.512	1054.367
7.5	1051.013	1051.840	1052.657	1053.825	1054.946	1056.020	1057.046	1058.024	1058.946	1059.886
10.0	1053.531	1055.393	1057.217	1059.012	1060.779	1062.204	1063.620	1064.997	1066.289	1067.382
12.5	1055.678	1058.024	1060.095	1062.033	1063.924	1065.928	1067.629	1069.472	1071.334	1073.139
15.0	1055.725	1058.404	1061.074	1063.734	1066.517	1069.225	1071.856	1074.184	1076.473	1078.544
17.5	1054.291	1057.416	1060.523	1063.800	1067.220	1070.593	1073.775	1076.692	1079.561	1082.373
20.0	1051.175	1055.383	1059.468	1063.848	1067.990	1071.400	1074.763	1078.060	1081.214	1084.083
22.5	1046.653	1051.612	1056.723	1061.140	1065.548	1069.937	1074.507	1078.202	1082.211	1085.099
25.0	1040.753	1046.681	1052.153	1057.720	1062.670	1067.458	1072.027	1076.027	1079.979	1083.874
27.5	1033.628	1039.499	1045.674	1051.897	1057.416	1062.803	1068.009	1073.177	1077.670	1082.050
30.0	1024.252	1031.329	1038.397	1045.123	1050.975	1056.666	1062.356	1068.056	1073.604	1078.801
32.5	1013.659	1021.373	1029.125	1035.842	1042.729	1049.645	1056.609	1062.290	1067.952	1073.585
35.0	1001.974	1010.809	1018.628	1026.190	1033.628	1040.820	1047.850	1054.870	1061.805	1068.322
37.5	988.874	997.633	1006.192	1014.847	1023.159	1031.377	1039.290	1047.052	1053.901	1060.589
40.0	974.519	983.943	993.301	1002.212	1010.999	1020.119	1029.097	1037.438	1045.247	1052.533
42.5	958.445	968.582	978.386	988.104	998.013	1007.788	1017.754	1026.304	1034.721	1042.720
45.0	941.697	952.365	962.597	973.151	983.601	994.070	1004.121	1013.640	1022.969	1031.776
47.5	923.723	935.056	946.209	957.324	968.506	979.469	989.985	1000.055	1010.021	1018.742
50.0	904.495	916.493	928.273	940.595	952.289	963.651	974.975	985.938	995.362	1004.701
52.5	884.716	897.047	909.577	922.269	934.781	947.169	958.578	969.560	980.058	989.995
55.0	864.063	876.878	890.311	903.488	916.408	928.834	941.089	952.413	963.480	974.443
57.5	842.403	855.684	869.250	883.177	896.458	909.482	922.032	934.391	946.086	957.248
60.0	818.729	832.504	846.801	861.108	875.159	888.582	901.825	914.764	926.991	938.609
62.5	793.810	808.659	824.495	838.859	853.024	866.656	880.184	893.598	906.737	918.669
65.0	768.740	784.130	800.213	816.373	829.825	843.790	858.030	871.748	885.352	897.493
67.5	743.726	759.914	775.874	791.293	805.666	820.087	834.755	848.787	862.875	875.501
70.0	720.052	736.421	752.960	768.388	783.161	797.259	811.024	825.341	840.294	853.423
72.5	695.390	712.367	729.742	745.940	760.076	773.832	787.084	801.173	815.527	828.979
75.0	669.170	686.584	703.503	720.907	736.126	749.702	762.318	776.216	790.286	803.529
77.5	642.428	659.879	676.238	693.747	710.657	724.517	736.953	751.013	765.206	778.781
80.0	615.714	632.909	649.610	666.244	682.679	696.663	710.068	724.175	738.834	752.856
82.5	589.646	607.316	624.691	639.815	655.044	669.132	683.031	697.072	711.103	725.762
85.0	563.017	580.991	598.756	613.035	627.627	641.734	656.792	670.823	685.567	701.195
87.5	539.125	557.184	575.434	589.313	603.231	617.756	632.386	647.187	662.235	678.243
90.0	548.796	567.786	587.052	606.176	621.034	635.968	651.462	667.574	683.506	698.791
92.5	539.125	557.184	575.434	589.313	603.231	617.756	632.386	647.187	662.235	678.243
95.0	563.017	580.991	598.756	613.035	627.627	641.734	656.792	670.823	685.567	701.195
97.5	589.646	607.316	624.691	639.815	655.044	669.132	683.031	697.072	711.103	725.762
100.0	615.714	632.909	649.610	666.244	682.679	696.663	710.068	724.175	738.834	752.856
102.5	642.428	659.879	676.238	693.747	710.657	724.517	736.953	751.013	765.206	778.781
105.0	669.170	686.584	703.503	720.907	736.126	749.702	762.318	776.216	790.286	803.529
107.5	695.390	712.367	729.742	745.940	760.076	773.832	787.084	801.173	815.527	828.979
110.0	720.052	736.421	752.960	768.388	783.161	797.259	811.024	825.341	840.294	853.423
112.5	743.726	759.914	775.874	791.293	805.666	820.087	834.755	848.787	862.875	875.501
115.0	768.740	784.130	800.213	816.373	829.825	843.790	858.030	871.748	885.352	897.493
117.5	793.810	808.659	824.495	838.859	853.024	866.656	880.184	893.598	906.737	918.669
120.0	818.729	832.504	846.801	861.108	875.159	888.582	901.825	914.764	926.991	938.609
122.5	842.403	855.684	869.250	883.177	896.458	909.482	922.032	934.391	946.086	957.248
125.0	864.063	876.878	890.311	903.488	916.408	928.834	941.089	952.413	963.480	974.443
127.5	884.716	897.047	909.577	922.269	934.781	947.169	958.578	969.560	980.058	989.995
130.0	904.495	916.493	928.273	940.595	952.289	963.651	974.975	985.938	995.362	1004.701

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

132.5	923.723	935.056	946.209	957.324	968.506	979.469	989.985	1000.055	1010.021	1018.742
135.0	941.697	952.365	962.597	973.151	983.601	994.070	1004.121	1013.640	1022.969	1031.776
137.5	958.445	968.582	978.386	988.104	998.013	1007.788	1017.754	1026.304	1034.721	1042.720
140.0	974.519	983.943	993.301	1002.212	1010.999	1020.119	1029.097	1037.438	1045.247	1052.533
142.5	988.874	997.633	1006.192	1014.847	1023.159	1031.377	1039.290	1047.052	1053.901	1060.589
145.0	1001.974	1010.809	1018.628	1026.190	1033.628	1040.820	1047.850	1054.870	1061.805	1068.322
147.5	1013.659	1021.373	1029.125	1035.842	1042.729	1049.645	1056.609	1062.290	1067.952	1073.585
150.0	1024.252	1031.329	1038.397	1045.123	1050.975	1056.666	1062.356	1068.056	1073.604	1078.801
152.5	1033.628	1039.499	1045.674	1051.897	1057.416	1062.803	1068.009	1073.177	1077.670	1082.050
155.0	1040.753	1046.681	1052.153	1057.720	1062.670	1067.458	1072.027	1076.027	1079.979	1083.874
157.5	1046.653	1051.612	1056.723	1061.140	1065.548	1069.937	1074.507	1078.202	1082.211	1085.099
160.0	1051.175	1055.383	1059.468	1063.848	1067.990	1071.400	1074.763	1078.060	1081.214	1084.083
162.5	1054.291	1057.416	1060.523	1063.800	1067.220	1070.593	1073.775	1076.692	1079.561	1082.373
165.0	1055.725	1058.404	1061.074	1063.734	1066.517	1069.225	1071.856	1074.184	1076.473	1078.544
167.5	1055.678	1058.024	1060.095	1062.033	1063.924	1065.928	1067.629	1069.472	1071.334	1073.139
170.0	1053.531	1055.393	1057.217	1059.012	1060.779	1062.204	1063.620	1064.997	1066.289	1067.382
172.5	1051.013	1051.840	1052.657	1053.825	1054.946	1056.020	1057.046	1058.024	1058.946	1059.886
175.0	1050.681	1050.681	1050.681	1051.051	1050.975	1051.194	1052.087	1052.628	1053.512	1054.367
177.5	1053.008	1053.027	1053.008	1052.932	1052.866	1052.809	1052.752	1052.685	1052.619	1052.552
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

**Vert.
Angles**

Horizontal Angles

	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1052.495	1052.429	1052.362	1052.296	1052.229	1052.163	1052.657	1052.163	1051.992	1051.973
5.0	1055.193	1056.001	1056.780	1057.530	1058.281	1058.898	1059.421	1059.962	1060.314	1060.608
7.5	1060.884	1061.938	1062.955	1063.943	1064.893	1065.805	1066.679	1067.505	1068.294	1069.044
10.0	1068.322	1069.177	1069.852	1070.602	1071.305	1072.236	1073.519	1074.735	1075.884	1076.977
12.5	1074.877	1076.540	1078.136	1079.599	1080.568	1081.185	1081.717	1082.164	1082.924	1084.149
15.0	1080.406	1082.268	1084.026	1085.612	1087.446	1088.415	1089.441	1090.001	1090.258	1090.410
17.5	1085.166	1087.199	1088.814	1090.476	1092.139	1093.583	1094.723	1095.720	1096.518	1096.680
20.0	1086.933	1089.735	1092.091	1094.305	1095.863	1097.250	1098.893	1099.929	1100.727	1101.620
22.5	1087.854	1090.543	1093.222	1095.825	1098.342	1100.689	1102.209	1103.472	1104.356	1105.144
25.0	1087.712	1091.445	1094.352	1097.003	1099.454	1101.819	1104.080	1105.847	1106.959	1107.652
27.5	1086.220	1089.973	1093.659	1097.525	1099.881	1102.332	1104.517	1106.569	1108.346	1108.887
30.0	1083.693	1087.940	1091.835	1095.521	1098.855	1101.648	1103.634	1105.572	1107.405	1109.201
32.5	1079.181	1084.482	1088.918	1092.452	1095.853	1099.159	1102.399	1104.280	1105.838	1107.082
35.0	1073.557	1078.753	1083.836	1088.738	1092.794	1095.777	1098.494	1101.116	1102.817	1104.042
37.5	1067.011	1073.224	1078.383	1083.047	1087.341	1091.293	1094.124	1096.813	1099.283	1100.356
40.0	1059.316	1065.596	1071.315	1076.568	1081.214	1085.384	1088.909	1090.951	1092.851	1094.998
42.5	1050.386	1057.065	1063.373	1068.541	1073.547	1077.490	1080.881	1084.149	1086.382	1088.244
45.0	1039.537	1046.681	1053.531	1059.145	1064.104	1068.864	1072.816	1075.989	1078.706	1080.340
47.5	1027.244	1035.167	1042.207	1048.990	1054.500	1059.240	1063.544	1067.068	1069.890	1072.664
50.0	1014.144	1022.143	1030.056	1037.115	1043.461	1048.961	1053.189	1057.074	1060.209	1062.185
52.5	999.419	1008.339	1016.604	1024.261	1031.149	1036.849	1042.131	1045.988	1049.161	1051.574
55.0	984.323	993.576	1002.174	1009.973	1017.089	1023.549	1028.945	1033.619	1036.944	1039.803
57.5	967.698	977.407	986.337	994.308	1001.262	1007.836	1013.707	1018.590	1022.770	1025.829
60.0	949.924	959.224	968.154	976.391	983.706	990.527	996.702	1001.927	1006.040	1009.584
62.5	929.594	939.816	948.774	957.419	964.801	972.401	979.241	985.511	990.299	993.139
65.0	908.684	919.315	928.910	937.422	945.639	953.667	961.267	969.019	973.655	976.039
67.5	886.616	897.864	908.067	917.177	925.936	933.831	942.058	949.857	955.766	959.053
70.0	864.253	875.786	886.673	896.458	905.654	914.973	924.122	932.235	938.771	943.027
72.5	840.683	852.197	863.806	874.532	884.583	894.824	905.502	915.562	922.868	925.613
75.0	816.268	828.542	840.560	851.960	862.362	873.658	884.374	894.700	901.160	905.188
77.5	792.091	804.640	816.971	828.618	839.306	850.810	861.450	870.323	877.011	882.569

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

80.0	767.011	779.342	791.321	803.168	814.910	826.319	836.978	846.155	854.297	860.595
82.5	740.743	753.008	765.633	777.736	790.115	801.667	813.000	823.564	833.663	839.467
85.0	716.775	728.688	740.468	752.827	765.272	776.815	788.443	800.166	811.993	816.620
87.5	694.668	705.907	717.763	729.676	741.997	753.549	765.187	777.888	790.476	794.323
90.0	713.497	726.645	739.242	750.585	761.729	773.072	784.415	793.905	801.087	806.170
92.5	694.668	705.907	717.763	729.676	741.997	753.549	765.187	777.888	790.476	794.323
95.0	716.775	728.688	740.468	752.827	765.272	776.815	788.443	800.166	811.993	816.620
97.5	740.743	753.008	765.633	777.736	790.115	801.667	813.000	823.564	833.663	839.467
100.0	767.011	779.342	791.321	803.168	814.910	826.319	836.978	846.155	854.297	860.595
102.5	792.091	804.640	816.971	828.618	839.306	850.810	861.450	870.323	877.011	882.569
105.0	816.268	828.542	840.560	851.960	862.362	873.658	884.374	894.700	901.160	905.188
107.5	840.683	852.197	863.806	874.532	884.583	894.824	905.502	915.562	922.868	925.613
110.0	864.253	875.786	886.673	896.458	905.654	914.973	924.122	932.235	938.771	943.027
112.5	886.616	897.864	908.067	917.177	925.936	933.831	942.058	949.857	955.766	959.053
115.0	908.684	919.315	928.910	937.422	945.639	953.667	961.267	969.019	973.655	976.039
117.5	929.594	939.816	948.774	957.419	964.801	972.401	979.241	985.511	990.299	993.139
120.0	949.924	959.224	968.154	976.391	983.706	990.527	996.702	1001.927	1006.040	1009.584
122.5	967.698	977.407	986.337	994.308	1001.262	1007.836	1013.707	1018.590	1022.770	1025.829
125.0	984.323	993.576	1002.174	1009.973	1017.089	1023.549	1028.945	1033.619	1036.944	1039.803
127.5	999.419	1008.339	1016.604	1024.261	1031.149	1036.849	1042.131	1045.988	1049.161	1051.574
130.0	1014.144	1022.143	1030.056	1037.115	1043.461	1048.961	1053.189	1057.074	1060.209	1062.185
132.5	1027.244	1035.167	1042.207	1048.990	1054.500	1059.240	1063.544	1067.068	1069.890	1072.664
135.0	1039.537	1046.681	1053.531	1059.145	1064.104	1068.864	1072.816	1075.989	1078.706	1080.340
137.5	1050.386	1057.065	1063.373	1068.541	1073.547	1077.490	1080.881	1084.149	1086.382	1088.244
140.0	1059.316	1065.596	1071.315	1076.568	1081.214	1085.384	1088.909	1090.951	1092.851	1094.998
142.5	1067.011	1073.224	1078.383	1083.047	1087.341	1091.293	1094.124	1096.813	1099.283	1100.356
145.0	1073.557	1078.753	1083.836	1088.738	1092.794	1095.777	1098.494	1101.116	1102.817	1104.042
147.5	1079.181	1084.482	1088.918	1092.452	1095.853	1099.159	1102.399	1104.280	1105.838	1107.082
150.0	1083.693	1087.940	1091.835	1095.521	1098.855	1101.648	1103.634	1105.572	1107.405	1109.201
152.5	1086.220	1089.973	1093.659	1097.525	1099.881	1102.332	1104.517	1106.569	1108.346	1108.887
155.0	1087.712	1091.445	1094.352	1097.003	1099.454	1101.819	1104.080	1105.847	1106.959	1107.652
157.5	1087.854	1090.543	1093.222	1095.825	1098.342	1100.689	1102.209	1103.472	1104.356	1105.144
160.0	1086.933	1089.735	1092.091	1094.305	1095.863	1097.250	1098.893	1099.929	1100.727	1101.620
162.5	1085.166	1087.199	1088.814	1090.476	1092.139	1093.583	1094.723	1095.720	1096.518	1096.680
165.0	1080.406	1082.268	1084.026	1085.612	1087.446	1088.415	1089.441	1090.001	1090.258	1090.410
167.5	1074.877	1076.540	1078.136	1079.599	1080.568	1081.185	1081.717	1082.164	1082.924	1084.149
170.0	1068.322	1069.177	1069.852	1070.602	1071.305	1072.236	1073.519	1074.735	1075.884	1076.977
172.5	1060.884	1061.938	1062.955	1063.943	1064.893	1065.805	1066.679	1067.505	1068.294	1069.044
175.0	1055.193	1056.001	1056.780	1057.530	1058.281	1058.898	1059.421	1059.962	1060.314	1060.608
177.5	1052.495	1052.429	1052.362	1052.296	1052.229	1052.163	1052.657	1052.163	1051.992	1051.973
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

Vert. Horizontal Angles
Angles

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1051.944	1051.916	1052.210	1051.859	1051.878	1051.887	1051.897	1051.897	1051.897	1051.897
5.0	1060.855	1061.064	1061.235	1061.359	1061.435	1061.473	1061.530	1061.596	1061.615	1061.596
7.5	1069.605	1070.108	1070.735	1070.431	1070.517	1070.545	1070.526	1070.545	1070.574	1070.545
10.0	1077.993	1078.943	1079.703	1080.226	1080.387	1080.473	1080.473	1080.416	1080.454	1080.416
12.5	1085.308	1086.391	1087.389	1088.301	1089.042	1088.918	1088.747	1088.586	1088.576	1088.918
15.0	1091.084	1092.234	1093.317	1094.314	1095.150	1095.426	1095.331	1095.131	1095.046	1095.122
17.5	1096.556	1096.613	1097.715	1098.751	1099.701	1100.299	1100.518	1100.328	1099.995	1100.318
20.0	1101.933	1101.648	1101.591	1102.741	1103.814	1104.755	1104.840	1104.546	1104.261	1104.536
22.5	1105.819	1105.923	1105.296	1105.372	1106.455	1107.434	1107.833	1107.557	1107.234	1107.548
25.0	1108.165	1108.574	1108.184	1107.177	1107.852	1108.811	1109.448	1109.020	1108.469	1109.020

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

27.5	1109.106	1109.353	1109.457	1108.403	1107.833	1108.916	1109.780	1109.334	1109.134	1109.324
30.0	1109.315	1109.296	1109.182	1108.574	1106.921	1107.605	1108.526	1108.289	1107.700	1108.279
32.5	1108.004	1107.595	1107.253	1106.835	1105.154	1104.793	1105.648	1105.629	1105.040	1105.619
35.0	1105.144	1105.410	1104.688	1103.900	1102.522	1100.926	1101.762	1101.886	1101.297	1101.876
37.5	1100.869	1101.297	1100.489	1099.454	1098.276	1095.910	1096.452	1096.718	1096.138	1096.708
40.0	1095.749	1096.129	1095.967	1094.504	1092.965	1090.619	1090.115	1090.438	1089.849	1090.429
42.5	1089.735	1089.583	1089.203	1087.854	1086.087	1083.969	1082.525	1083.000	1082.439	1082.990
45.0	1081.736	1082.382	1081.860	1080.938	1078.905	1076.882	1074.497	1074.972	1074.573	1074.972
47.5	1073.490	1074.136	1073.452	1072.255	1070.260	1068.056	1064.988	1065.539	1065.244	1065.539
50.0	1063.943	1064.446	1064.940	1063.183	1061.387	1058.756	1055.516	1055.393	1055.307	1055.393
52.5	1053.331	1054.424	1054.319	1053.056	1051.251	1048.363	1045.228	1044.287	1044.439	1044.287
55.0	1041.808	1043.195	1043.166	1042.568	1040.449	1037.894	1034.588	1032.707	1033.049	1032.707
57.5	1028.508	1030.474	1031.576	1030.484	1028.413	1025.715	1022.409	1019.692	1020.252	1019.701
60.0	1012.434	1015.113	1016.443	1016.652	1015.654	1013.336	1009.641	1006.344	1006.895	1006.382
62.5	995.267	997.927	999.856	1001.053	1000.511	998.431	995.210	991.296	992.123	991.306
65.0	978.462	980.751	981.929	982.841	983.250	982.898	980.761	976.191	977.018	976.201
67.5	961.390	963.765	965.323	965.817	965.466	965.542	964.573	960.374	960.839	960.364
70.0	945.402	948.090	949.278	948.860	947.786	946.998	947.207	944.689	944.366	944.670
72.5	928.625	931.798	932.605	933.023	931.313	928.131	926.706	925.756	925.737	925.746
75.0	908.447	911.648	914.175	915.258	913.339	909.891	906.642	905.967	906.917	905.958
77.5	886.739	890.967	893.437	894.396	894.016	891.546	886.502	883.120	884.450	883.110
80.0	865.060	869.848	872.090	873.905	873.107	870.817	866.884	860.937	861.830	860.928
82.5	843.486	847.723	850.782	852.929	851.950	850.953	846.535	840.408	838.223	840.398
85.0	820.315	824.315	828.276	829.711	829.692	828.191	824.049	820.049	814.710	820.049
87.5	797.705	802.037	806.255	807.167	807.509	806.056	803.139	798.817	793.107	798.817
90.0	808.706	810.701	811.442	812.753	810.948	808.298	803.795	806.265	804.612	806.246
92.5	797.705	802.037	806.255	807.167	807.509	806.056	803.139	798.817	793.107	798.817
95.0	820.315	824.315	828.276	829.711	829.692	828.191	824.049	820.049	814.710	820.049
97.5	843.486	847.723	850.782	852.929	851.950	850.953	846.535	840.408	838.223	840.398
100.0	865.060	869.848	872.090	873.905	873.107	870.817	866.884	860.937	861.830	860.928
102.5	886.739	890.967	893.437	894.396	894.016	891.546	886.502	883.120	884.450	883.110
105.0	908.447	911.648	914.175	915.258	913.339	909.891	906.642	905.967	906.917	905.958
107.5	928.625	931.798	932.605	933.023	931.313	928.131	926.706	925.756	925.737	925.746
110.0	945.402	948.090	949.278	948.860	947.786	946.998	947.207	944.689	944.366	944.670
112.5	961.390	963.765	965.323	965.817	965.466	965.542	964.573	960.374	960.839	960.364
115.0	978.462	980.751	981.929	982.841	983.250	982.898	980.761	976.191	977.018	976.201
117.5	995.267	997.927	999.856	1001.053	1000.511	998.431	995.210	991.296	992.123	991.306
120.0	1012.434	1015.113	1016.443	1016.652	1015.654	1013.336	1009.641	1006.344	1006.895	1006.382
122.5	1028.508	1030.474	1031.576	1030.484	1028.413	1025.715	1022.409	1019.692	1020.252	1019.701
125.0	1041.808	1043.195	1043.166	1042.568	1040.449	1037.894	1034.588	1032.707	1033.049	1032.707
127.5	1053.331	1054.424	1054.319	1053.056	1051.251	1048.363	1045.228	1044.287	1044.439	1044.287
130.0	1063.943	1064.446	1064.940	1063.183	1061.387	1058.756	1055.516	1055.393	1055.307	1055.393
132.5	1073.490	1074.136	1073.452	1072.255	1070.260	1068.056	1064.988	1065.539	1065.244	1065.539
135.0	1081.736	1082.382	1081.860	1080.938	1078.905	1076.882	1074.497	1074.972	1074.573	1074.972
137.5	1089.735	1089.583	1089.203	1087.854	1086.087	1083.969	1082.525	1083.000	1082.439	1082.990
140.0	1095.749	1096.129	1095.967	1094.504	1092.965	1090.619	1090.115	1090.438	1089.849	1090.429
142.5	1100.869	1101.297	1100.489	1099.454	1098.276	1095.910	1096.452	1096.718	1096.138	1096.708
145.0	1105.144	1105.410	1104.688	1103.900	1102.522	1100.926	1101.762	1101.886	1101.297	1101.876
147.5	1108.004	1107.595	1107.253	1106.835	1105.154	1104.793	1105.648	1105.629	1105.040	1105.619
150.0	1109.315	1109.296	1109.182	1108.574	1106.921	1107.605	1108.526	1108.289	1107.700	1108.279
152.5	1109.106	1109.353	1109.457	1108.403	1107.833	1108.916	1109.780	1109.334	1109.134	1109.324
155.0	1108.165	1108.574	1108.184	1107.177	1107.852	1108.811	1109.448	1109.020	1108.469	1109.020
157.5	1105.819	1105.923	1105.296	1105.372	1106.455	1107.434	1107.833	1107.557	1107.234	1107.548
160.0	1101.933	1101.648	1101.591	1102.741	1103.814	1104.755	1104.840	1104.546	1104.261	1104.536
162.5	1096.556	1096.613	1097.715	1098.751	1099.701	1100.299	1100.518	1100.328	1099.995	1100.318
165.0	1091.084	1092.234	1093.317	1094.314	1095.150	1095.426	1095.331	1095.131	1095.046	1095.122

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

167.5	1085.308	1086.391	1087.389	1088.301	1089.042	1088.918	1088.747	1088.586	1088.576	1088.918
170.0	1077.993	1078.943	1079.703	1080.226	1080.387	1080.473	1080.473	1080.416	1080.454	1080.416
172.5	1069.605	1070.108	1070.735	1070.431	1070.517	1070.545	1070.526	1070.545	1070.574	1070.545
175.0	1060.855	1061.064	1061.235	1061.359	1061.435	1061.473	1061.530	1061.596	1061.615	1061.596
177.5	1051.944	1051.916	1052.210	1051.859	1051.878	1051.887	1051.897	1051.897	1051.897	1051.897
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

**Vert.
Angles**

Horizontal Angles

	<u>275.0</u>	<u>277.5</u>	<u>280.0</u>	<u>282.5</u>	<u>285.0</u>	<u>287.5</u>	<u>290.0</u>	<u>292.5</u>	<u>295.0</u>	<u>297.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1051.897	1051.887	1051.878	1051.859	1052.134	1051.906	1051.935	1051.963	1051.982	1052.153
5.0	1061.530	1061.815	1061.425	1061.349	1061.226	1061.055	1060.855	1060.599	1060.304	1060.000
7.5	1070.517	1070.536	1070.507	1070.422	1070.735	1070.099	1069.605	1069.073	1068.303	1067.515
10.0	1080.463	1080.473	1080.387	1080.216	1079.703	1078.943	1078.003	1076.986	1075.894	1074.744
12.5	1088.738	1088.909	1089.032	1088.301	1087.398	1086.401	1085.318	1084.159	1082.933	1082.135
15.0	1095.321	1095.416	1095.150	1094.324	1093.326	1092.243	1091.094	1090.391	1090.229	1089.982
17.5	1100.508	1100.309	1099.710	1098.760	1097.725	1096.623	1096.537	1096.661	1096.509	1095.711
20.0	1104.831	1104.764	1103.814	1102.750	1101.601	1101.629	1101.914	1101.620	1100.717	1099.919
22.5	1107.823	1107.443	1106.465	1105.391	1105.268	1105.904	1105.819	1105.135	1104.356	1103.444
25.0	1109.495	1108.821	1107.861	1107.158	1108.165	1108.574	1108.165	1107.652	1106.949	1105.857
27.5	1109.780	1108.925	1107.842	1108.384	1109.448	1109.353	1109.106	1108.944	1108.327	1106.579
30.0	1108.536	1107.614	1106.902	1108.555	1109.172	1109.286	1109.286	1109.305	1107.415	1105.591
32.5	1105.657	1104.802	1105.154	1106.873	1107.244	1107.595	1108.004	1107.092	1105.847	1104.289
35.0	1101.772	1100.936	1102.494	1103.890	1104.688	1105.401	1105.154	1104.052	1102.826	1101.145
37.5	1096.461	1095.891	1098.266	1099.454	1100.489	1101.306	1100.879	1100.366	1099.302	1096.832
40.0	1090.115	1090.600	1092.956	1094.495	1095.967	1096.138	1095.758	1095.008	1092.870	1090.970
42.5	1082.534	1083.950	1086.078	1087.854	1089.203	1089.593	1089.745	1088.263	1086.401	1084.178
45.0	1074.497	1076.863	1078.896	1080.929	1081.860	1082.382	1081.850	1080.359	1078.734	1076.017
47.5	1064.997	1068.037	1070.251	1072.255	1073.452	1074.146	1073.500	1072.721	1069.918	1067.097
50.0	1055.497	1058.746	1061.378	1063.183	1064.988	1064.456	1063.952	1062.204	1060.238	1057.112
52.5	1045.209	1048.353	1051.232	1053.046	1054.329	1054.433	1053.350	1051.593	1049.189	1046.016
55.0	1034.578	1037.884	1040.440	1042.558	1043.166	1043.214	1041.827	1039.822	1036.972	1033.657
57.5	1022.390	1025.705	1028.403	1030.484	1031.576	1030.484	1028.527	1025.848	1022.789	1018.694
60.0	1009.631	1013.327	1015.645	1016.652	1016.452	1015.122	1012.453	1009.603	1006.069	1001.955
62.5	995.201	998.421	1000.511	1001.053	999.856	997.937	995.286	993.158	990.327	985.539
65.0	980.751	982.898	983.250	982.841	981.939	980.770	978.471	976.058	973.674	969.047
67.5	964.554	965.532	965.456	965.817	965.333	963.784	961.409	959.072	955.814	949.867
70.0	947.197	946.988	947.786	948.869	949.287	948.100	945.411	943.027	938.790	932.263
72.5	926.696	928.121	931.313	933.033	932.615	931.798	928.634	925.623	922.887	915.591
75.0	906.632	909.891	913.339	915.258	914.185	911.658	908.447	905.198	901.170	894.729
77.5	886.502	891.537	894.026	894.406	893.437	890.976	886.749	882.588	877.021	870.342
80.0	866.875	870.817	873.107	873.905	872.090	869.858	865.070	860.605	854.316	846.165
82.5	846.526	850.953	851.950	852.929	850.782	847.732	843.495	839.467	833.672	823.583
85.0	824.049	828.181	829.692	829.711	828.276	824.315	820.315	816.620	812.003	800.175
87.5	803.139	806.056	807.509	807.167	806.255	802.037	797.705	794.323	790.476	777.898
90.0	803.814	808.260	810.948	812.753	811.461	810.720	808.735	806.208	801.154	793.972
92.5	803.139	806.056	807.509	807.167	806.255	802.037	797.705	794.323	790.476	777.898
95.0	824.049	828.181	829.692	829.711	828.276	824.315	820.315	816.620	812.003	800.175
97.5	846.526	850.953	851.950	852.929	850.782	847.732	843.495	839.467	833.672	823.583
100.0	866.875	870.817	873.107	873.905	872.090	869.858	865.070	860.605	854.316	846.165
102.5	886.502	891.537	894.026	894.406	893.437	890.976	886.749	882.588	877.021	870.342
105.0	906.632	909.891	913.339	915.258	914.185	911.658	908.447	905.198	901.170	894.729
107.5	926.696	928.121	931.313	933.033	932.615	931.798	928.634	925.623	922.887	915.591
110.0	947.197	946.988	947.786	948.869	949.287	948.100	945.411	943.027	938.790	932.263
112.5	964.554	965.532	965.456	965.817	965.333	963.784	961.409	959.072	955.814	949.867

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

115.0	980.751	982.898	983.250	982.841	981.939	980.770	978.471	976.058	973.674	969.047
117.5	995.201	998.421	1000.511	1001.053	999.856	997.937	995.286	993.158	990.327	985.539
120.0	1009.631	1013.327	1015.645	1016.652	1016.452	1015.122	1012.453	1009.603	1006.069	1001.955
122.5	1022.390	1025.705	1028.403	1030.484	1031.576	1030.484	1028.527	1025.848	1022.789	1018.694
125.0	1034.578	1037.884	1040.440	1042.558	1043.166	1043.214	1041.827	1039.822	1036.972	1033.657
127.5	1045.209	1048.353	1051.232	1053.046	1054.329	1054.433	1053.350	1051.593	1049.189	1046.016
130.0	1055.497	1058.746	1061.378	1063.183	1064.988	1064.456	1063.952	1062.204	1060.238	1057.112
132.5	1064.997	1068.037	1070.251	1072.255	1073.452	1074.146	1073.500	1072.721	1069.918	1067.097
135.0	1074.497	1076.863	1078.896	1080.929	1081.860	1082.382	1081.850	1080.359	1078.734	1076.017
137.5	1082.534	1083.950	1086.078	1087.854	1089.203	1089.593	1089.745	1088.263	1086.401	1084.178
140.0	1090.115	1090.600	1092.956	1094.495	1095.967	1096.138	1095.758	1095.008	1092.870	1090.970
142.5	1096.461	1095.891	1098.266	1099.444	1100.489	1101.306	1100.879	1100.366	1099.302	1096.832
145.0	1101.772	1100.936	1102.494	1103.890	1104.688	1105.401	1105.154	1104.052	1102.826	1101.145
147.5	1105.657	1104.802	1105.154	1106.873	1107.244	1107.595	1108.004	1107.092	1105.847	1104.289
150.0	1108.536	1107.614	1106.902	1108.555	1109.172	1109.286	1109.286	1109.305	1107.415	1105.591
152.5	1109.780	1108.925	1107.842	1108.384	1109.448	1109.353	1109.106	1108.944	1108.327	1106.579
155.0	1109.495	1108.821	1107.861	1107.158	1108.165	1108.574	1108.165	1107.652	1106.949	1105.857
157.5	1107.823	1107.443	1106.465	1105.391	1105.268	1105.904	1105.819	1105.135	1104.356	1103.444
160.0	1104.831	1104.764	1103.814	1102.750	1101.601	1101.629	1101.914	1101.620	1100.717	1099.919
162.5	1100.508	1100.309	1099.710	1098.760	1097.725	1096.623	1096.537	1096.661	1096.509	1095.711
165.0	1095.321	1095.416	1095.150	1094.324	1093.326	1092.243	1091.094	1090.391	1090.229	1089.982
167.5	1088.738	1088.909	1089.032	1088.301	1087.398	1086.401	1085.318	1084.159	1082.933	1082.135
170.0	1080.463	1080.473	1080.387	1080.216	1079.703	1078.943	1078.003	1076.986	1075.894	1074.744
172.5	1070.517	1070.536	1070.507	1070.422	1070.735	1070.099	1069.605	1069.073	1068.303	1067.515
175.0	1061.530	1061.815	1061.425	1061.349	1061.226	1061.055	1060.855	1060.599	1060.304	1060.000
177.5	1051.897	1051.887	1051.878	1051.859	1052.134	1051.906	1051.935	1051.963	1051.982	1052.153
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

Vert. Horizontal Angles
Angles

	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1052.647	1052.153	1052.220	1052.286	1052.353	1052.419	1052.486	1052.552	1052.619	1052.676
5.0	1059.411	1058.898	1058.281	1057.540	1056.789	1056.010	1055.203	1054.367	1053.512	1052.638
7.5	1066.679	1065.814	1064.902	1063.952	1062.964	1061.948	1060.893	1059.896	1058.927	1058.005
10.0	1073.528	1072.246	1071.286	1070.574	1069.833	1069.149	1068.303	1067.363	1066.270	1064.988
12.5	1081.698	1081.166	1080.549	1079.589	1078.126	1076.540	1074.868	1073.129	1071.324	1069.462
15.0	1089.431	1088.405	1087.436	1085.612	1084.026	1082.268	1080.406	1078.535	1076.473	1074.184
17.5	1094.723	1093.573	1092.139	1090.476	1088.814	1087.199	1085.166	1082.382	1079.570	1076.701
20.0	1098.950	1097.250	1095.863	1094.314	1092.101	1089.745	1086.942	1084.102	1081.195	1078.079
22.5	1102.209	1100.698	1098.352	1095.844	1093.241	1090.552	1087.864	1085.109	1082.363	1078.231
25.0	1104.090	1101.829	1099.473	1097.012	1094.371	1091.464	1087.740	1083.902	1079.998	1076.055
27.5	1104.536	1102.351	1099.900	1097.506	1093.687	1090.001	1086.249	1082.078	1077.708	1073.186
30.0	1103.643	1101.667	1098.874	1095.549	1091.863	1087.940	1083.731	1078.848	1073.642	1068.094
32.5	1102.522	1099.188	1095.882	1092.481	1088.956	1084.520	1079.228	1073.623	1067.990	1062.337
35.0	1098.513	1095.806	1092.823	1088.776	1083.874	1078.801	1073.595	1068.341	1061.853	1054.918
37.5	1094.153	1091.322	1087.379	1083.085	1078.421	1073.262	1067.059	1060.646	1053.949	1047.099
40.0	1089.061	1085.413	1081.252	1076.606	1071.362	1065.643	1059.373	1052.581	1045.294	1037.495
42.5	1080.910	1077.528	1073.585	1068.588	1063.420	1057.122	1050.434	1042.777	1034.778	1026.361
45.0	1072.854	1068.902	1064.142	1059.193	1053.578	1046.738	1039.585	1031.833	1023.036	1013.906
47.5	1063.572	1059.278	1054.538	1049.075	1042.264	1035.215	1027.301	1018.799	1010.078	1000.112
50.0	1053.217	1048.999	1043.508	1037.162	1030.104	1022.190	1014.182	1004.758	995.419	985.976
52.5	1042.140	1036.887	1031.187	1024.470	1016.661	1008.387	999.466	990.052	980.115	969.617
55.0	1028.983	1023.587	1017.136	1010.021	1002.221	993.633	984.380	974.491	963.537	952.470
57.5	1013.745	1007.874	1001.309	994.355	986.385	977.455	967.755	957.305	946.143	934.448
60.0	996.740	990.565	983.744	976.429	968.202	959.272	950.000	938.666	927.038	914.821

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

62.5	979.279	972.429	964.839	957.438	948.812	939.863	929.641	918.716	906.794	893.646
65.0	961.305	953.686	945.677	937.460	928.948	919.362	908.732	897.531	885.400	871.786
67.5	942.096	933.869	926.117	917.215	908.105	897.902	886.654	875.548	862.913	848.825
70.0	924.160	915.002	905.682	896.496	886.711	875.824	864.281	853.461	840.332	825.379
72.5	905.559	894.852	884.621	874.560	863.835	852.235	840.712	829.008	815.556	801.211
75.0	884.393	873.686	862.391	851.969	840.579	828.571	816.297	803.557	790.314	776.245
77.5	861.479	850.829	839.325	828.637	817.000	804.659	792.110	778.800	765.234	751.032
80.0	836.997	826.329	814.929	803.187	791.340	779.361	767.030	752.875	738.843	724.194
82.5	813.010	801.676	790.124	777.746	765.643	753.027	740.753	725.771	711.113	697.091
85.0	788.443	776.815	765.282	752.837	740.468	728.697	716.784	701.204	685.577	670.833
87.5	765.187	753.549	741.997	729.676	717.763	705.907	694.668	678.243	662.245	647.187
90.0	784.510	773.167	761.824	750.671	739.337	726.740	713.516	698.886	683.610	667.679
92.5	765.187	753.549	741.997	729.676	717.763	705.907	694.668	678.243	662.245	647.187
95.0	788.443	776.815	765.282	752.837	740.468	728.697	716.784	701.204	685.577	670.833
97.5	813.010	801.676	790.124	777.746	765.643	753.027	740.753	725.771	711.113	697.091
100.0	836.997	826.329	814.929	803.187	791.340	779.361	767.030	752.875	738.843	724.194
102.5	861.479	850.829	839.325	828.637	817.000	804.659	792.110	778.800	765.234	751.032
105.0	884.393	873.686	862.391	851.969	840.579	828.571	816.297	803.557	790.314	776.245
107.5	905.559	894.852	884.621	874.560	863.835	852.235	840.712	829.008	815.556	801.211
110.0	924.160	915.002	905.682	896.496	886.711	875.824	864.281	853.461	840.332	825.379
112.5	942.096	933.869	926.117	917.215	908.105	897.902	886.654	875.548	862.913	848.825
115.0	961.305	953.686	945.677	937.460	928.948	919.362	908.732	897.531	885.400	871.786
117.5	979.279	972.429	964.839	957.438	948.812	939.863	929.641	918.716	906.794	893.646
120.0	996.740	990.565	983.744	976.429	968.202	959.272	950.000	938.666	927.038	914.821
122.5	1013.745	1007.874	1001.309	994.355	986.385	977.455	967.755	957.305	946.143	934.448
125.0	1028.983	1023.587	1017.136	1010.021	1002.221	993.633	984.380	974.491	963.537	952.470
127.5	1042.140	1036.887	1031.187	1024.470	1016.661	1008.387	999.466	990.052	980.115	969.617
130.0	1053.217	1048.999	1043.508	1037.162	1030.104	1022.190	1014.182	1004.758	995.419	985.976
132.5	1063.572	1059.278	1054.538	1049.075	1042.264	1035.215	1027.301	1018.799	1010.078	1000.112
135.0	1072.854	1068.902	1064.142	1059.193	1053.578	1046.738	1039.585	1031.833	1023.036	1013.906
137.5	1080.910	1077.528	1073.585	1068.588	1063.420	1057.122	1050.434	1042.777	1034.778	1026.361
140.0	1089.061	1085.413	1081.252	1076.606	1071.362	1065.643	1059.373	1052.581	1045.294	1037.495
142.5	1094.153	1091.322	1087.379	1083.085	1078.421	1073.262	1067.059	1060.646	1053.949	1047.099
145.0	1098.513	1095.806	1092.823	1088.776	1083.874	1078.801	1073.595	1068.341	1061.853	1054.918
147.5	1102.522	1099.188	1095.882	1092.481	1088.956	1084.520	1079.228	1073.623	1067.990	1062.337
150.0	1103.643	1101.658	1098.874	1095.549	1091.863	1087.940	1083.731	1078.848	1073.642	1068.094
152.5	1104.536	1102.351	1099.900	1097.506	1093.687	1090.001	1086.249	1082.078	1077.708	1073.186
155.0	1104.090	1101.829	1099.473	1097.012	1094.371	1091.464	1087.740	1083.902	1079.998	1076.055
157.5	1102.209	1100.698	1098.352	1095.844	1093.241	1090.552	1087.864	1085.109	1082.363	1078.231
160.0	1098.950	1097.250	1095.863	1094.314	1092.101	1089.745	1086.942	1084.102	1081.195	1078.079
162.5	1094.723	1093.573	1092.139	1090.476	1088.814	1087.199	1085.166	1082.382	1079.570	1076.701
165.0	1089.431	1088.405	1087.436	1085.612	1084.026	1082.268	1080.406	1078.535	1076.473	1074.184
167.5	1081.698	1081.166	1080.549	1079.589	1078.126	1076.540	1074.868	1073.129	1071.324	1069.462
170.0	1073.528	1072.246	1071.286	1070.574	1069.833	1069.149	1068.303	1067.363	1066.270	1064.988
172.5	1066.679	1065.814	1064.902	1063.952	1062.964	1061.948	1060.893	1059.896	1058.927	1058.005
175.0	1059.411	1058.898	1058.281	1057.540	1056.789	1056.010	1055.203	1054.367	1053.512	1052.638
177.5	1052.647	1052.153	1052.220	1052.286	1052.353	1052.419	1052.486	1052.552	1052.619	1052.676
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

Vert. Angles **Horizontal Angles**

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1052.742	1052.799	1052.866	1052.923	1052.999	1053.065	1053.008	1053.037	1053.075	1053.103
5.0	1052.096	1051.203	1050.985	1051.127	1050.690	1050.690	1050.690	1050.700	1050.728	1050.757
7.5	1057.027	1056.001	1054.918	1053.797	1052.628	1051.821	1050.985	1051.051	1051.108	1051.346

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

10.0	1063.610	1062.195	1060.770	1059.003	1057.207	1055.383	1053.521	1051.631	1050.510	1050.510
12.5	1067.629	1065.890	1063.914	1062.024	1060.095	1058.024	1055.678	1053.293	1050.890	1048.629
15.0	1071.837	1069.225	1066.517	1063.743	1061.083	1058.414	1055.735	1052.790	1049.683	1046.586
17.5	1073.785	1070.602	1067.230	1063.810	1060.532	1057.426	1054.291	1051.156	1047.793	1044.183
20.0	1074.773	1071.410	1067.999	1063.867	1059.487	1055.393	1051.194	1047.270	1043.375	1039.214
22.5	1074.516	1069.966	1065.567	1061.159	1056.799	1051.640	1046.672	1042.083	1037.609	1033.172
25.0	1072.056	1067.496	1062.698	1057.730	1052.191	1046.719	1040.791	1035.186	1029.733	1024.556
27.5	1068.056	1062.850	1057.454	1051.925	1045.684	1039.537	1033.666	1026.950	1020.775	1014.980
30.0	1062.394	1056.704	1051.013	1045.161	1038.445	1031.377	1024.299	1017.241	1009.793	1003.190
32.5	1056.656	1049.693	1042.777	1035.899	1029.173	1021.421	1013.707	1006.078	998.212	990.641
35.0	1047.907	1040.877	1033.676	1026.247	1018.685	1010.857	1002.031	993.253	984.618	976.039
37.5	1039.518	1031.434	1023.216	1014.904	1006.240	997.690	988.931	979.393	970.073	960.944
40.0	1029.154	1020.186	1011.066	1002.269	993.358	984.000	974.576	964.421	954.037	943.920
42.5	1017.782	1007.855	998.079	988.199	978.452	968.639	958.493	948.090	937.222	926.392
45.0	1004.188	994.127	983.668	973.208	962.663	952.422	941.754	931.076	919.419	907.677
47.5	990.042	979.535	968.572	957.381	946.266	935.104	923.770	912.095	900.153	887.955
50.0	975.042	963.718	952.356	940.642	928.330	916.550	904.552	892.610	880.013	867.255
52.5	958.635	947.226	934.847	922.326	909.634	897.104	884.773	872.261	858.990	845.699
55.0	941.146	928.891	916.465	903.545	890.378	876.926	864.110	850.829	837.501	823.802
57.5	922.089	909.530	896.505	883.234	869.297	855.731	842.450	828.884	814.710	800.631
60.0	901.882	888.630	875.216	861.156	846.849	832.551	818.767	804.792	791.017	776.881
62.5	880.241	866.704	853.071	838.907	824.552	808.706	793.848	779.722	765.234	750.747
65.0	858.078	843.837	829.872	816.411	800.261	784.168	768.768	753.730	738.473	723.643
67.5	834.793	820.125	805.704	791.331	775.912	759.943	743.764	728.479	713.022	697.775
70.0	811.062	797.297	783.189	768.417	752.989	736.449	720.062	704.320	688.009	671.878
72.5	787.113	773.860	760.104	745.968	729.771	712.395	695.419	679.601	662.910	647.016
75.0	762.346	749.730	736.145	720.926	703.532	686.612	669.189	653.191	636.880	621.015
77.5	736.972	724.536	710.676	693.766	676.257	659.898	642.447	626.724	610.014	593.940
80.0	710.087	696.682	682.698	666.263	649.629	632.918	615.723	600.001	583.081	567.178
82.5	683.040	669.142	655.053	639.825	624.691	607.325	589.655	573.686	557.260	541.357
85.0	656.801	641.734	627.636	613.044	598.756	581.001	563.027	546.896	530.860	514.567
87.5	632.386	617.756	603.231	589.323	575.443	557.184	539.125	522.994	506.996	490.228
90.0	651.548	636.053	621.110	606.252	587.128	567.862	548.862	530.385	512.363	494.285
92.5	632.386	617.756	603.231	589.323	575.443	557.184	539.125	522.994	506.996	490.228
95.0	656.801	641.734	627.636	613.044	598.756	581.001	563.027	546.896	530.860	514.567
97.5	683.040	669.142	655.053	639.825	624.691	607.325	589.655	573.686	557.260	541.357
100.0	710.087	696.682	682.698	666.263	649.629	632.918	615.723	600.001	583.081	567.178
102.5	736.972	724.536	710.676	693.766	676.257	659.898	642.447	626.724	610.014	593.940
105.0	762.346	749.730	736.145	720.926	703.532	686.612	669.189	653.191	636.880	621.015
107.5	787.113	773.860	760.104	745.968	729.771	712.395	695.419	679.601	662.910	647.016
110.0	811.062	797.297	783.189	768.417	752.989	736.449	720.062	704.320	688.009	671.878
112.5	834.793	820.125	805.704	791.331	775.912	759.943	743.764	728.479	713.022	697.775
115.0	858.078	843.837	829.872	816.411	800.261	784.168	768.768	753.730	738.473	723.643
117.5	880.241	866.704	853.071	838.907	824.552	808.706	793.848	779.722	765.234	750.747
120.0	901.882	888.630	875.216	861.156	846.849	832.551	818.767	804.792	791.017	776.881
122.5	922.089	909.530	896.505	883.234	869.297	855.731	842.450	828.884	814.710	800.631
125.0	941.146	928.891	916.465	903.545	890.378	876.926	864.110	850.829	837.501	823.802
127.5	958.635	947.226	934.847	922.326	909.634	897.104	884.773	872.261	858.990	845.699
130.0	975.042	963.718	952.356	940.642	928.330	916.550	904.552	892.610	880.013	867.255
132.5	990.042	979.535	968.572	957.381	946.266	935.104	923.770	912.095	900.153	887.955
135.0	1004.188	994.127	983.668	973.208	962.663	952.422	941.754	931.076	919.419	907.677
137.5	1017.782	1007.855	998.079	988.199	978.452	968.639	958.493	948.090	937.222	926.392
140.0	1029.154	1020.186	1011.066	1002.269	993.358	984.000	974.576	964.421	954.037	943.920
142.5	1039.518	1031.434	1023.216	1014.904	1006.240	997.690	988.931	979.393	970.073	960.944
145.0	1047.907	1040.877	1033.676	1026.247	1018.685	1010.857	1002.031	993.253	984.618	976.039
147.5	1056.656	1049.693	1042.777	1035.899	1029.173	1021.421	1013.707	1006.078	998.212	990.641

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

150.0	1062.394	1056.704	1051.013	1045.161	1038.445	1031.377	1024.299	1017.241	1009.793	1003.190
152.5	1068.056	1062.850	1057.454	1051.925	1045.684	1039.537	1033.666	1026.950	1020.775	1014.980
155.0	1072.056	1067.486	1062.698	1057.730	1052.191	1046.719	1040.791	1035.186	1029.733	1024.556
157.5	1074.516	1069.966	1065.567	1061.159	1056.799	1051.640	1046.672	1042.083	1037.609	1033.172
160.0	1074.773	1071.410	1067.999	1063.867	1059.487	1055.393	1051.194	1047.270	1043.375	1039.214
162.5	1073.785	1070.602	1067.230	1063.810	1060.532	1057.426	1054.291	1051.156	1047.793	1044.183
165.0	1071.837	1069.225	1066.517	1063.743	1061.083	1058.414	1055.735	1052.790	1049.683	1046.586
167.5	1067.629	1065.890	1063.914	1062.024	1060.095	1058.024	1055.678	1053.293	1050.890	1048.629
170.0	1063.610	1062.195	1060.770	1059.003	1057.207	1055.383	1053.521	1051.631	1050.510	1050.510
172.5	1057.027	1056.001	1054.918	1053.797	1052.628	1051.821	1050.985	1051.051	1051.108	1051.346
175.0	1052.096	1051.203	1050.985	1051.127	1050.690	1050.690	1050.690	1050.700	1050.728	1050.757
177.5	1052.742	1052.799	1052.866	1052.923	1052.999	1053.065	1053.008	1053.037	1053.075	1053.103
180.0	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638	1052.638

Vert. Angles **Horizontal Angles**

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	1052.638	1052.638	1052.638	1052.638	1052.638
2.5	1053.141	1053.170	1053.208	1053.246	1053.274
5.0	1050.785	1050.833	1050.890	1050.947	1051.013
7.5	1051.412	1051.545	1051.669	1051.783	1051.897
10.0	1050.291	1050.405	1050.519	1050.643	1050.776
12.5	1048.762	1048.591	1048.847	1048.809	1048.971
15.0	1043.964	1044.021	1043.907	1044.059	1044.240
17.5	1040.573	1038.882	1038.863	1039.043	1039.262
20.0	1034.882	1030.854	1030.740	1030.892	1031.120
22.5	1028.289	1023.406	1021.848	1022.114	1022.399
25.0	1019.274	1013.659	1010.296	1010.401	1010.648
27.5	1009.299	1003.257	997.918	997.965	998.212
30.0	996.778	990.185	983.782	983.221	983.459
32.5	983.782	976.543	969.437	967.632	967.850
35.0	968.135	960.602	952.584	949.914	950.142
37.5	952.166	943.901	935.389	931.446	931.684
40.0	934.372	925.452	916.484	911.306	911.563
42.5	916.170	906.680	897.094	890.615	890.872
45.0	896.724	886.378	876.413	868.642	868.917
47.5	876.194	865.288	854.715	845.794	846.298
50.0	854.496	842.992	831.791	822.206	821.911
52.5	832.314	820.277	808.526	798.456	797.344
55.0	809.789	796.898	784.462	773.946	772.055
57.5	786.182	772.730	759.791	748.818	746.158
60.0	762.128	747.935	734.416	722.950	719.444
62.5	736.297	722.000	708.063	696.274	691.866
65.0	709.070	695.742	681.425	669.294	663.926
67.5	682.052	668.458	654.806	642.703	636.528
70.0	655.851	641.269	627.731	616.046	608.997
72.5	630.049	613.985	599.364	588.458	580.915
75.0	603.611	587.565	571.491	560.319	552.643
77.5	577.277	561.146	544.065	531.316	523.611
80.0	550.012	533.852	517.417	503.158	494.855
82.5	524.115	508.525	491.302	476.890	466.507
85.0	497.676	481.621	464.493	451.088	438.691
87.5	473.157	457.624	441.455	427.718	414.124
90.0	476.700	458.080	440.809	424.061	424.925
92.5	473.157	457.624	441.455	427.718	414.124
95.0	497.676	481.621	464.493	451.088	438.691

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZIS-48-LED4-LO-SAL.IES

CANDELA TABULATION - (Cont.)

97.5	524.115	508.525	491.302	476.890	466.507
100.0	550.012	533.852	517.417	503.158	494.855
102.5	577.277	561.146	544.065	531.316	523.611
105.0	603.611	587.565	571.491	560.319	552.643
107.5	630.049	613.985	599.364	588.458	580.915
110.0	655.851	641.269	627.731	616.046	608.997
112.5	682.052	668.458	654.806	642.703	636.528
115.0	709.070	695.742	681.425	669.294	663.926
117.5	736.297	722.000	708.063	696.274	691.866
120.0	762.128	747.935	734.416	722.950	719.444
122.5	786.182	772.730	759.791	748.818	746.158
125.0	809.789	796.898	784.462	773.946	772.055
127.5	832.314	820.277	808.526	798.456	797.344
130.0	854.496	842.992	831.791	822.206	821.911
132.5	876.194	865.288	854.715	845.794	846.298
135.0	896.724	886.378	876.413	868.642	868.917
137.5	916.170	906.680	897.094	890.615	890.872
140.0	934.372	925.452	916.484	911.306	911.563
142.5	952.166	943.901	935.389	931.446	931.684
145.0	968.135	960.602	952.584	949.914	950.142
147.5	983.782	976.543	969.437	967.632	967.850
150.0	996.778	990.185	983.782	983.221	983.459
152.5	1009.299	1003.257	997.918	997.965	998.212
155.0	1019.274	1013.659	1010.296	1010.401	1010.648
157.5	1028.289	1023.406	1021.848	1022.114	1022.399
160.0	1034.882	1030.854	1030.740	1030.892	1031.120
162.5	1040.573	1038.882	1038.863	1039.043	1039.262
165.0	1043.964	1044.021	1043.907	1044.059	1044.240
167.5	1048.762	1048.591	1048.847	1048.809	1048.971
170.0	1050.291	1050.405	1050.519	1050.643	1050.776
172.5	1051.412	1051.545	1051.669	1051.783	1051.897
175.0	1050.785	1050.833	1050.890	1050.947	1051.013
177.5	1053.141	1053.170	1053.208	1053.246	1053.274
180.0	1052.638	1052.638	1052.638	1052.638	1052.638

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	405.67	N.A.	3.60
0-30	902.71	N.A.	8.00
0-40	1563.49	N.A.	13.80
0-60	3198.37	N.A.	28.30
0-80	4895.86	N.A.	43.30
0-90	5651.73	N.A.	50.00
10-90	5550.6	N.A.	49.10
20-40	1157.82	N.A.	10.20
20-50	1939.93	N.A.	17.20
40-70	2501.73	N.A.	22.10
60-80	1697.49	N.A.	15.00
70-80	830.65	N.A.	7.30
80-90	755.86	N.A.	6.70
90-110	1586.52	N.A.	14.00
90-120	2453.36	N.A.	21.70
90-130	3306.13	N.A.	29.20
90-150	4749.02	N.A.	42.00
90-180	5651.73	N.A.	50.00
110-180	4065.21	N.A.	36.00
0-180	11303.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.13
10-20	304.54
20-30	497.04
30-40	660.78
40-50	782.11
50-60	852.77
60-70	866.84
70-80	830.65
80-90	755.86
90-100	755.86
100-110	830.65
110-120	866.84
120-130	852.77
130-140	782.11
140-150	660.78
150-160	497.04
160-170	304.54
170-180	101.13

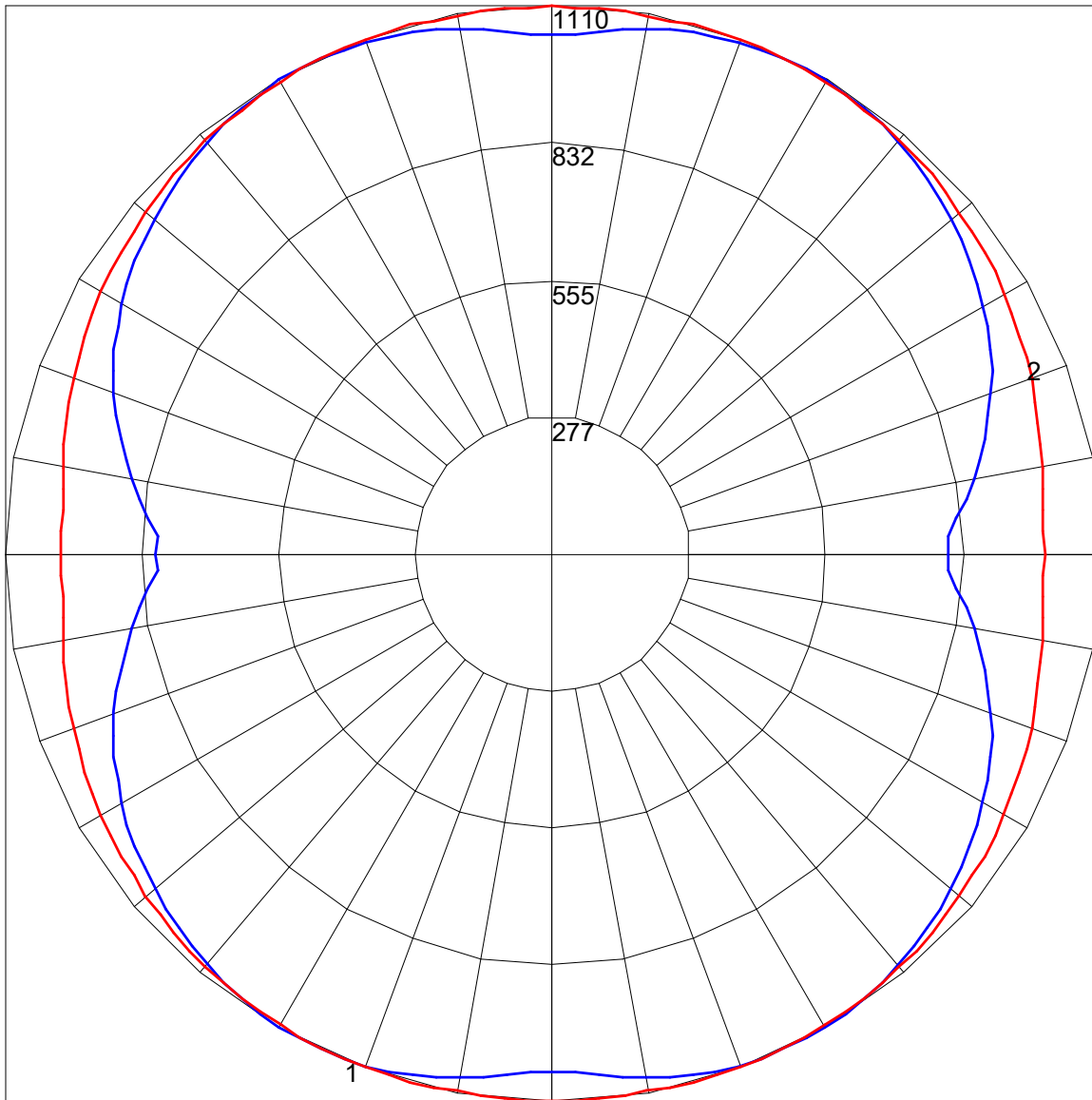
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	95	89	84	79	87	82	77	73	68	65	62	56	53	51	44	43	41	35
2	85	76	68	62	77	70	63	57	58	53	49	47	43	40	37	35	32	27
3	77	66	57	50	70	60	53	47	50	44	39	41	36	33	32	29	26	22
4	70	57	48	42	63	53	45	39	44	38	33	36	31	27	28	24	22	18
5	64	51	42	35	58	47	39	33	39	33	28	32	27	23	25	21	18	15
6	58	45	36	30	53	42	34	28	35	28	24	28	23	20	22	19	16	13
7	54	41	32	26	49	37	30	24	31	25	21	26	21	17	20	17	14	11
8	50	37	28	23	45	34	26	21	28	22	18	23	19	15	19	15	12	10
9	46	33	25	20	42	31	24	19	26	20	16	21	17	13	17	13	11	8
10	43	30	23	18	40	28	21	17	24	18	14	20	15	12	16	12	10	8

POLAR GRAPH



Maximum Candela = 1109.79 Located At Horizontal Angle = 95, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (95 - 275) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)