



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ZIS-24-LED4-SO-SAL.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L021506201 PRORATED TO ZIS-24-LED4-LO-SAL

[TESTLAB] LIGHT LABORATORY, INC.

[ISSUEDATE] 2/23/2015

[MANUFAC] PRUDENTIAL LTG.

[LUMCAT] ZIS-24-LED4-SO-SAL

[LUMINAIRE] 24 " 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	10583
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	108
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)	4.13 ft
Luminous Width (90-270)	2.14 ft
Luminous Height	0.14 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1507	1565	1479
55	1699	1775	1648
65	2047	2124	1946
75	2832	2839	2586
85	5880	5183	4683

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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>
<b>0.0</b>	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
<b>2.5</b>	992.818	992.752	992.699	992.646	992.592	992.539	992.486	992.419	992.366	992.313
<b>5.0</b>	992.912	992.805	992.699	992.592	992.486	992.380	992.273	992.153	992.047	992.167
<b>7.5</b>	995.997	995.824	995.638	995.425	995.173	994.907	994.601	994.508	994.122	994.401
<b>10.0</b>	999.987	999.761	999.508	999.256	998.963	998.976	998.404	999.109	1000.054	1000.945
<b>12.5</b>	1001.291	1001.038	1000.759	1000.453	1000.120	1000.160	1001.530	1002.926	1004.270	1005.573
<b>15.0</b>	1002.900	1002.647	1001.916	1001.543	1001.317	1002.926	1004.642	1006.318	1007.714	1008.699
<b>17.5</b>	1001.437	1001.091	1000.745	1000.373	1001.530	1003.724	1005.892	1007.648	1009.084	1010.481
<b>20.0</b>	1000.280	999.801	999.362	999.030	1001.583	1004.097	1006.251	1007.980	1009.656	1011.279
<b>22.5</b>	995.944	995.545	995.159	996.090	999.163	1002.115	1004.389	1006.650	1008.938	1011.505
<b>25.0</b>	991.515	991.036	990.624	992.712	996.157	998.990	1001.517	1004.057	1006.890	1009.683
<b>27.5</b>	984.599	984.160	983.801	987.179	991.036	994.095	997.181	1000.519	1004.536	1006.571
<b>30.0</b>	977.351	976.845	976.845	981.021	984.825	988.177	991.768	995.545	998.724	1001.796
<b>32.5</b>	967.721	967.282	968.160	972.922	976.925	980.848	985.131	989.188	992.832	996.489
<b>35.0</b>	957.706	957.188	958.810	963.878	968.014	972.243	977.018	981.247	985.503	989.786
<b>37.5</b>	945.936	945.457	947.984	953.291	958.012	962.893	967.828	972.602	977.430	981.341
<b>40.0</b>	933.500	932.929	936.267	941.720	946.827	952.200	957.534	962.933	967.828	971.858
<b>42.5</b>	919.948	919.429	923.698	929.377	934.963	940.589	946.362	952.054	956.935	961.537
<b>45.0</b>	906.036	905.437	910.558	916.410	922.475	928.327	934.578	940.137	945.324	949.846
<b>47.5</b>	890.701	890.103	895.901	902.166	908.457	914.867	921.331	927.170	932.822	937.610
<b>50.0</b>	874.528	874.475	880.500	887.203	893.747	900.862	907.579	913.683	918.844	923.885
<b>52.5</b>	857.784	858.355	864.819	871.709	878.438	885.820	892.630	898.920	904.653	909.640
<b>55.0</b>	840.507	841.584	848.114	855.589	862.838	870.405	877.454	883.625	889.384	894.465
<b>57.5</b>	822.445	824.028	830.811	838.671	846.146	853.900	860.816	867.546	873.105	878.186
<b>60.0</b>	803.639	805.767	812.896	820.956	828.736	836.610	843.127	848.766	854.419	859.526
<b>62.5</b>	783.796	786.602	793.877	802.057	809.425	816.527	823.084	829.122	834.455	840.347
<b>65.0</b>	763.487	767.011	774.499	782.838	788.863	795.340	801.884	808.627	814.718	820.716
<b>67.5</b>	743.310	747.340	754.522	761.465	767.570	775.297	782.226	788.770	794.848	801.392
<b>70.0</b>	722.775	727.350	733.708	740.092	746.968	755.108	763.008	770.190	776.161	782.798
<b>72.5</b>	701.189	705.791	710.858	718.453	727.430	736.315	743.470	750.918	756.916	763.540
<b>75.0</b>	679.284	683.394	688.634	697.598	706.735	716.019	722.828	729.385	735.530	742.074
<b>77.5</b>	655.743	659.175	666.463	676.957	685.602	693.622	700.604	707.480	712.774	719.424
<b>80.0</b>	632.043	635.634	645.050	654.679	663.231	671.717	678.260	685.256	690.270	696.361
<b>82.5</b>	608.369	614.181	623.597	633.825	641.459	649.971	656.461	662.739	668.232	674.656
<b>85.0</b>	584.801	592.794	600.867	610.789	618.969	626.869	633.838	639.517	645.170	651.873
<b>87.5</b>	563.335	572.206	580.572	589.483	597.396	605.230	612.571	618.157	623.863	630.526
<b>90.0</b>	566.035	564.399	575.451	585.094	595.680	604.472	613.303	620.990	628.904	636.924
<b>92.5</b>	563.335	572.206	580.572	589.483	597.396	605.230	612.571	618.157	623.863	630.526
<b>95.0</b>	584.801	592.794	600.867	610.789	618.969	626.869	633.838	639.517	645.170	651.873
<b>97.5</b>	608.369	614.181	623.597	633.825	641.459	649.971	656.461	662.739	668.232	674.656
<b>100.0</b>	632.043	635.634	645.050	654.679	663.231	671.717	678.260	685.256	690.270	696.361
<b>102.5</b>	655.743	659.175	666.463	676.957	685.602	693.622	700.604	707.480	712.774	719.424
<b>105.0</b>	679.284	683.394	688.634	697.598	706.735	716.019	722.828	729.385	735.530	742.074
<b>107.5</b>	701.189	705.791	710.858	718.453	727.430	736.315	743.470	750.918	756.916	763.540
<b>110.0</b>	722.775	727.350	733.708	740.092	746.968	755.108	763.008	770.190	776.161	782.798
<b>112.5</b>	743.310	747.340	754.522	761.465	767.570	775.297	782.226	788.770	794.848	801.392
<b>115.0</b>	763.487	767.011	774.499	782.838	788.863	795.340	801.884	808.627	814.718	820.716
<b>117.5</b>	783.796	786.602	793.877	802.057	809.425	816.527	823.084	829.122	834.455	840.347
<b>120.0</b>	803.639	805.767	812.896	820.956	828.736	836.610	843.127	848.766	854.419	859.526
<b>122.5</b>	822.445	824.028	830.811	838.671	846.146	853.900	860.816	867.546	873.105	878.186
<b>125.0</b>	840.507	841.584	848.114	855.589	862.838	870.405	877.454	883.625	889.384	894.465
<b>127.5</b>	857.784	858.355	864.819	871.709	878.438	885.820	892.630	898.920	904.653	909.640
<b>130.0</b>	874.528	874.475	880.500	887.203	893.747	900.862	907.579	913.683	918.844	923.885
<b>132.5</b>	890.701	890.103	895.901	902.166	908.457	914.867	921.331	927.170	932.822	937.610

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	906.036	905.437	910.558	916.410	922.475	928.327	934.578	940.137	945.324	949.846
<b>137.5</b>	919.948	919.429	923.698	929.377	934.963	940.589	946.362	952.054	956.935	961.537
<b>140.0</b>	933.500	932.929	936.267	941.720	946.827	952.200	957.534	962.933	967.828	971.858
<b>142.5</b>	945.936	945.457	947.984	953.291	958.012	962.893	967.828	972.602	977.430	981.341
<b>145.0</b>	957.706	957.188	958.810	963.878	968.014	972.243	977.018	981.247	985.503	989.786
<b>147.5</b>	967.721	967.282	968.160	972.922	976.925	980.848	985.131	989.188	992.832	996.489
<b>150.0</b>	977.351	976.845	976.845	981.021	984.825	988.177	991.768	995.545	998.724	1001.796
<b>152.5</b>	984.599	984.160	983.801	987.179	991.036	994.095	997.181	1000.519	1004.536	1006.571
<b>155.0</b>	991.515	991.036	990.624	992.712	996.157	998.990	1001.517	1004.057	1006.890	1009.683
<b>157.5</b>	995.944	995.545	995.159	996.090	999.163	1002.115	1004.389	1006.650	1008.938	1011.505
<b>160.0</b>	1000.280	999.801	999.362	999.030	1001.583	1004.097	1006.251	1007.980	1009.656	1011.279
<b>162.5</b>	1001.437	1001.091	1000.745	1000.373	1001.530	1003.724	1005.892	1007.648	1009.084	1010.481
<b>165.0</b>	1002.900	1002.647	1001.916	1001.543	1001.317	1002.926	1004.642	1006.318	1007.714	1008.699
<b>167.5</b>	1001.291	1001.038	1000.759	1000.453	1000.120	1000.160	1001.530	1002.926	1004.270	1005.573
<b>170.0</b>	999.987	999.761	999.508	999.256	998.963	998.976	998.404	999.109	1000.054	1000.945
<b>172.5</b>	995.997	995.824	995.638	995.425	995.173	994.907	994.601	994.508	994.122	994.401
<b>175.0</b>	992.912	992.805	992.699	992.592	992.486	992.380	992.273	992.153	992.047	992.167
<b>177.5</b>	992.818	992.752	992.699	992.646	992.592	992.539	992.486	992.419	992.366	992.313
<b>180.0</b>	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

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

	<u><b>25.0</b></u>	<u><b>27.5</b></u>	<u><b>30.0</b></u>	<u><b>32.5</b></u>	<u><b>35.0</b></u>	<u><b>37.5</b></u>	<u><b>40.0</b></u>	<u><b>42.5</b></u>	<u><b>45.0</b></u>	<u><b>47.5</b></u>
<b>0.0</b>	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
<b>2.5</b>	992.247	992.193	992.140	992.087	992.020	991.967	991.914	991.861	991.808	991.754
<b>5.0</b>	991.821	991.741	991.768	991.794	992.207	992.699	993.164	993.616	994.042	994.454
<b>7.5</b>	995.026	995.598	996.143	996.622	997.074	997.473	997.819	998.458	998.391	999.136
<b>10.0</b>	1001.783	1002.567	1003.299	1003.525	1003.778	1003.964	1004.097	1004.177	1004.203	1004.177
<b>12.5</b>	1006.491	1007.236	1007.927	1008.566	1009.204	1009.842	1010.148	1010.388	1010.561	1010.654
<b>15.0</b>	1009.643	1010.534	1011.372	1012.290	1013.194	1014.032	1014.803	1015.282	1015.548	1015.801
<b>17.5</b>	1011.824	1013.287	1014.923	1016.160	1017.011	1017.503	1017.942	1018.315	1018.620	1018.740
<b>20.0</b>	1013.154	1014.963	1016.426	1017.490	1018.474	1019.405	1020.216	1020.935	1021.001	1021.147
<b>22.5</b>	1014.045	1015.748	1017.171	1018.368	1019.458	1020.256	1020.988	1021.161	1021.214	1021.241
<b>25.0</b>	1011.758	1013.819	1015.841	1017.663	1019.206	1019.990	1020.456	1020.602	1020.655	1020.669
<b>27.5</b>	1009.138	1011.558	1013.633	1015.109	1016.280	1017.410	1018.487	1019.285	1019.857	1019.432
<b>30.0</b>	1004.855	1007.768	1009.683	1011.385	1013.061	1014.750	1015.442	1015.881	1016.413	1016.346
<b>32.5</b>	1000.266	1002.222	1004.403	1006.571	1008.898	1009.683	1010.640	1011.545	1012.077	1012.290
<b>35.0</b>	992.965	995.572	998.298	1000.572	1002.448	1003.924	1005.693	1006.132	1006.384	1006.517
<b>37.5</b>	984.878	988.203	990.863	993.204	995.359	997.553	998.764	999.628	999.987	1000.107
<b>40.0</b>	975.715	978.867	981.952	985.277	987.951	990.012	990.823	991.967	992.779	992.885
<b>42.5</b>	965.341	968.599	972.070	975.103	977.976	980.503	982.870	983.242	983.788	983.907
<b>45.0</b>	953.663	957.573	961.164	964.569	967.469	969.597	971.565	973.254	974.119	973.720
<b>47.5</b>	942.039	945.790	949.487	953.038	956.084	958.292	960.699	961.258	961.750	961.896
<b>50.0</b>	928.393	933.035	937.078	940.603	943.741	946.069	947.306	948.303	949.155	949.035
<b>52.5</b>	914.428	919.057	923.299	927.276	929.830	932.131	934.245	934.844	935.389	935.509
<b>55.0</b>	900.051	904.520	908.696	912.101	915.226	917.235	919.030	920.679	921.358	921.065
<b>57.5</b>	883.107	888.227	892.231	895.675	898.801	901.620	903.589	904.839	905.398	905.238
<b>60.0</b>	864.806	869.873	874.289	877.800	881.178	883.998	886.445	887.509	888.334	887.895
<b>62.5</b>	847.410	851.719	855.695	858.901	861.946	864.872	867.493	868.942	869.581	869.567
<b>65.0</b>	827.273	833.671	836.091	839.137	842.528	845.282	848.021	849.325	849.804	849.963
<b>67.5</b>	807.390	812.231	815.583	818.695	822.179	824.773	827.393	828.829	828.962	829.548
<b>70.0</b>	789.062	793.398	796.723	799.131	801.418	803.972	806.406	808.268	807.895	808.574
<b>72.5</b>	770.602	775.217	777.013	778.875	780.391	782.439	784.261	785.511	785.777	785.804
<b>75.0</b>	748.085	753.645	756.065	757.674	758.446	760.068	761.625	762.502	762.861	762.861
<b>77.5</b>	724.903	729.465	733.535	735.051	735.796	737.512	738.842	739.600	740.132	739.946
<b>80.0</b>	701.362	705.445	709.781	710.699	711.816	712.973	714.356	715.553	716.564	715.859

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**CANDELA TABULATION - (Cont.)**

82.5	680.149	682.702	684.950	686.333	687.903	688.395	689.233	690.443	691.893	690.762
85.0	658.177	659.374	660.678	661.954	663.657	664.481	665.625	667.487	669.775	667.740
87.5	637.469	637.974	638.546	639.930	641.379	642.590	643.800	646.034	648.255	646.167
90.0	645.023	652.711	654.639	656.515	659.294	662.101	664.934	667.620	668.631	669.203
92.5	637.469	637.974	638.546	639.930	641.379	642.590	643.800	646.034	648.255	646.167
95.0	658.177	659.374	660.678	661.954	663.657	664.481	665.625	667.487	669.775	667.740
97.5	680.149	682.702	684.950	686.333	687.903	688.395	689.233	690.443	691.893	690.762
100.0	701.362	705.445	709.781	710.699	711.816	712.973	714.356	715.553	716.564	715.859
102.5	724.903	729.465	733.535	735.051	735.796	737.512	738.842	739.600	740.132	739.946
105.0	748.085	753.645	756.065	757.674	758.446	760.068	761.625	762.502	762.861	762.861
107.5	770.602	775.217	777.013	778.875	780.391	782.439	784.261	785.511	785.777	785.804
110.0	789.062	793.398	796.723	799.131	801.418	803.972	806.406	808.268	807.895	808.574
112.5	807.390	812.231	815.583	818.695	822.179	824.773	827.393	828.829	828.962	829.548
115.0	827.273	833.671	836.091	839.137	842.528	845.282	848.021	849.325	849.804	849.963
117.5	847.410	851.719	855.695	858.901	861.946	864.872	867.493	868.942	869.581	869.567
120.0	864.806	869.873	874.289	877.800	881.178	883.998	886.445	887.509	888.334	887.895
122.5	883.107	888.227	892.231	895.675	898.801	901.620	903.589	904.839	905.398	905.238
125.0	900.051	904.520	908.696	912.101	915.226	917.235	919.030	920.679	921.358	921.065
127.5	914.428	919.057	923.299	927.276	929.830	932.131	934.245	934.844	935.389	935.509
130.0	928.393	933.035	937.078	940.603	943.741	946.069	947.306	948.303	949.155	949.035
132.5	942.039	945.790	949.487	953.038	956.084	958.292	960.699	961.258	961.750	961.896
135.0	953.663	957.573	961.164	964.569	967.469	969.597	971.565	973.254	974.119	973.720
137.5	965.341	968.599	972.070	975.103	977.976	980.503	982.870	983.242	983.788	983.907
140.0	975.715	978.867	981.952	985.277	987.951	990.012	990.823	991.967	992.779	992.885
142.5	984.878	988.203	990.863	993.204	995.359	997.553	998.764	999.628	999.987	1000.107
145.0	992.965	995.572	998.298	1000.572	1002.448	1003.924	1005.693	1006.132	1006.384	1006.517
147.5	1000.266	1002.222	1004.403	1006.571	1008.898	1009.683	1010.640	1011.545	1012.077	1012.290
150.0	1004.855	1007.768	1009.683	1011.385	1013.061	1014.750	1015.442	1015.881	1016.413	1016.346
152.5	1009.138	1011.558	1013.633	1015.109	1016.280	1017.410	1018.487	1019.285	1019.857	1019.432
155.0	1011.758	1013.819	1015.841	1017.663	1019.206	1019.990	1020.456	1020.602	1020.655	1020.669
157.5	1014.045	1015.748	1017.171	1018.368	1019.458	1020.256	1020.988	1021.161	1021.214	1021.241
160.0	1013.154	1014.963	1016.426	1017.490	1018.474	1019.405	1020.216	1020.935	1021.001	1021.147
162.5	1011.824	1013.287	1014.923	1016.160	1017.011	1017.503	1017.942	1018.315	1018.620	1018.740
165.0	1009.643	1010.534	1011.372	1012.290	1013.194	1014.032	1014.803	1015.282	1015.548	1015.801
167.5	1006.491	1007.236	1007.927	1008.566	1009.204	1009.842	1010.148	1010.388	1010.561	1010.654
170.0	1001.783	1002.567	1003.299	1003.525	1003.778	1003.964	1004.097	1004.177	1004.203	1004.177
172.5	995.026	995.598	996.143	996.622	997.074	997.473	997.819	998.458	998.391	999.136
175.0	991.821	991.741	991.768	991.794	992.207	992.699	993.164	993.616	994.042	994.454
177.5	992.247	992.193	992.140	992.087	992.020	991.967	991.914	991.861	991.808	991.754
180.0	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

**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	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
2.5	991.701	991.648	991.595	991.555	991.502	991.754	991.435	991.395	991.382	991.369
5.0	994.840	995.199	995.532	995.838	996.130	996.383	996.622	996.822	997.008	997.154
7.5	999.455	999.801	1000.120	1000.426	1000.692	1000.931	1001.158	1001.344	1001.503	1001.636
10.0	1004.097	1004.044	1003.937	1003.871	1004.735	1005.121	1005.493	1005.826	1006.105	1006.358
12.5	1010.680	1010.627	1010.268	1009.829	1009.337	1008.778	1008.419	1009.058	1009.204	1009.364
15.0	1015.788	1015.415	1014.963	1014.404	1013.646	1012.862	1012.010	1011.093	1010.680	1011.000
17.5	1018.753	1018.700	1018.953	1018.088	1016.998	1015.761	1014.471	1013.128	1011.731	1010.361
20.0	1020.629	1020.123	1019.578	1018.980	1018.315	1017.144	1015.641	1014.085	1012.463	1010.787
22.5	1021.201	1020.655	1020.017	1019.325	1018.554	1017.583	1016.200	1014.152	1012.050	1009.909
25.0	1020.589	1020.296	1019.671	1018.461	1017.184	1015.867	1014.511	1012.835	1010.441	1007.901
27.5	1018.767	1018.049	1017.251	1016.492	1015.295	1013.633	1011.744	1009.643	1007.369	1004.403

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

30.0	1016.386	1015.694	1014.364	1012.768	1011.266	1009.776	1007.515	1005.241	1002.674	999.934
32.5	1011.731	1010.973	1010.401	1008.433	1007.236	1004.802	1003.113	999.854	996.729	993.311
35.0	1006.225	1005.653	1004.855	1003.086	1000.878	998.245	995.731	993.404	989.733	986.022
37.5	999.907	999.335	997.620	995.784	993.816	991.462	988.536	985.251	981.726	977.324
40.0	992.020	991.129	990.185	988.350	985.464	982.391	979.146	975.542	971.977	967.987
42.5	984.014	982.218	980.423	978.720	975.515	972.283	969.025	965.660	961.377	957.081
45.0	972.895	971.538	969.783	967.469	964.716	961.683	957.773	953.969	949.780	944.992
47.5	961.962	960.207	958.212	956.124	953.331	949.740	946.268	941.946	937.717	932.290
50.0	948.490	947.825	946.375	943.648	940.549	936.998	933.048	928.446	923.592	918.684
52.5	935.163	934.059	932.782	930.215	926.877	923.193	918.964	914.149	909.308	904.081
55.0	920.413	919.110	917.354	914.934	912.181	908.191	903.775	899.160	894.066	888.586
57.5	904.786	902.977	900.743	898.295	895.050	891.459	887.030	882.535	877.188	872.227
60.0	886.857	885.221	882.987	880.181	876.989	873.118	868.530	863.609	858.635	853.368
62.5	868.131	866.242	863.755	861.148	858.222	854.831	850.588	844.643	838.711	833.538
65.0	848.886	846.665	844.324	841.411	838.804	836.557	831.330	825.145	818.908	813.162
67.5	828.710	826.515	824.241	821.155	818.322	815.609	811.420	805.634	799.117	793.225
70.0	808.002	805.834	803.400	801.418	799.303	796.444	792.467	786.828	780.271	774.313
72.5	785.525	783.995	782.093	780.777	779.433	777.877	774.246	767.224	760.667	755.028
75.0	762.542	761.412	759.802	759.683	758.286	756.211	751.370	745.452	738.722	732.710
77.5	739.547	738.549	736.780	736.514	735.344	731.966	726.978	721.844	715.793	710.353
80.0	714.928	713.878	712.787	711.976	710.526	707.361	703.477	698.649	692.757	687.796
82.5	689.725	689.100	688.355	687.344	686.054	684.046	681.638	676.478	670.160	664.654
85.0	665.998	664.920	663.936	662.633	661.449	660.239	659.135	653.110	646.473	640.767
87.5	643.986	642.802	641.752	640.262	639.171	638.400	638.294	631.152	624.222	618.783
90.0	668.924	667.474	665.585	663.896	662.619	661.875	658.057	650.676	643.733	636.166
92.5	643.986	642.802	641.752	640.262	639.171	638.400	638.294	631.152	624.222	618.783
95.0	665.998	664.920	663.936	662.633	661.449	660.239	659.135	653.110	646.473	640.767
97.5	689.725	689.100	688.355	687.344	686.054	684.046	681.638	676.478	670.160	664.654
100.0	714.928	713.878	712.787	711.976	710.526	707.361	703.477	698.649	692.757	687.796
102.5	739.547	738.536	736.780	736.514	735.344	731.966	726.978	721.844	715.793	710.353
105.0	762.542	761.412	759.802	759.683	758.286	756.211	751.370	745.452	738.722	732.710
107.5	785.525	783.995	782.093	780.777	779.433	777.877	774.246	767.224	760.667	755.028
110.0	808.002	805.834	803.400	801.418	799.303	796.444	792.467	786.828	780.271	774.313
112.5	828.710	826.515	824.241	821.155	818.322	815.609	811.420	805.634	799.117	793.225
115.0	848.886	846.665	844.324	841.411	838.804	836.557	831.330	825.145	818.908	813.162
117.5	868.131	866.242	863.755	861.148	858.222	854.831	850.588	844.643	838.711	833.538
120.0	886.857	885.221	882.987	880.181	876.989	873.118	868.530	863.609	858.635	853.368
122.5	904.786	902.977	900.743	898.295	895.050	891.459	887.030	882.535	877.188	872.227
125.0	920.413	919.110	917.354	914.934	912.181	908.191	903.775	899.160	894.066	888.586
127.5	935.163	934.059	932.782	930.215	926.877	923.193	918.964	914.149	909.308	904.081
130.0	948.490	947.825	946.375	943.648	940.549	936.998	933.048	928.446	923.592	918.684
132.5	961.962	960.207	958.212	956.124	953.331	949.740	946.268	941.946	937.717	932.290
135.0	972.895	971.538	969.783	967.469	964.716	961.683	957.773	953.969	949.780	944.992
137.5	984.014	982.218	980.423	978.720	975.515	972.283	969.025	965.660	961.377	957.081
140.0	992.020	991.129	990.185	988.350	985.464	982.391	979.146	975.542	971.977	967.987
142.5	999.907	999.335	997.620	995.784	993.816	991.462	988.536	985.251	981.726	977.324
145.0	1006.225	1005.653	1004.855	1003.086	1000.878	998.245	995.731	993.404	989.733	986.022
147.5	1011.731	1010.973	1010.401	1008.433	1007.236	1004.802	1003.113	999.854	996.729	993.311
150.0	1016.386	1015.694	1014.364	1012.768	1011.266	1009.776	1007.515	1005.241	1002.674	999.934
152.5	1018.767	1018.049	1017.251	1016.492	1015.295	1013.633	1011.744	1009.643	1007.369	1004.403
155.0	1020.589	1020.296	1019.671	1018.461	1017.184	1015.867	1014.511	1012.835	1010.441	1007.901
157.5	1021.201	1020.655	1020.017	1019.325	1018.554	1017.583	1016.200	1014.152	1012.050	1009.909
160.0	1020.629	1020.123	1019.578	1018.980	1018.315	1017.144	1015.641	1014.085	1012.463	1010.787
162.5	1018.753	1018.700	1018.953	1018.088	1016.998	1015.761	1014.471	1013.128	1011.731	1010.361
165.0	1015.788	1015.415	1014.963	1014.404	1013.646	1012.862	1012.010	1011.093	1010.680	1011.000
167.5	1010.680	1010.627	1010.268	1009.829	1009.337	1008.778	1008.419	1009.058	1009.204	1009.364

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>170.0</b>	1004.097	1004.044	1003.937	1003.871	1004.735	1005.121	1005.493	1005.826	1006.105	1006.358
<b>172.5</b>	999.455	999.801	1000.120	1000.426	1000.692	1000.931	1001.158	1001.344	1001.503	1001.636
<b>175.0</b>	994.840	995.199	995.532	995.838	996.130	996.383	996.622	996.822	997.008	997.154
<b>177.5</b>	991.701	991.648	991.595	991.555	991.502	991.754	991.435	991.395	991.382	991.369
<b>180.0</b>	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

**Vert.  
Angles**

**Horizontal Angles**

	<b>75.0</b>	<b>77.5</b>	<b>80.0</b>	<b>82.5</b>	<b>85.0</b>	<b>87.5</b>	<b>90.0</b>	<b>92.5</b>	<b>95.0</b>	<b>97.5</b>
<b>0.0</b>	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
<b>2.5</b>	991.342	991.874	991.316	991.369	991.422	991.475	991.542	991.542	991.435	991.382
<b>5.0</b>	997.287	997.380	997.447	997.487	997.527	997.633	997.753	997.646	997.686	997.513
<b>7.5</b>	1002.248	1001.823	1001.862	1001.889	1001.876	1001.876	1002.049	1001.889	1001.902	1001.916
<b>10.0</b>	1006.557	1006.704	1006.810	1006.877	1006.890	1007.236	1007.036	1007.382	1006.916	1006.903
<b>12.5</b>	1009.483	1009.576	1009.616	1009.749	1009.550	1009.457	1009.550	1009.483	1009.576	1009.776
<b>15.0</b>	1011.079	1011.106	1011.106	1011.053	1010.973	1010.840	1010.893	1010.867	1011.000	1011.079
<b>17.5</b>	1010.614	1010.507	1010.388	1010.228	1010.069	1010.215	1010.055	1010.241	1010.095	1010.255
<b>20.0</b>	1009.231	1009.430	1009.271	1009.098	1008.885	1008.645	1008.499	1008.672	1008.911	1009.124
<b>22.5</b>	1007.741	1006.411	1006.185	1005.839	1005.586	1005.121	1004.788	1005.148	1005.626	1005.866
<b>25.0</b>	1005.334	1002.727	1002.049	1001.583	1001.118	1000.665	1001.078	1000.692	1001.144	1001.610
<b>27.5</b>	1001.344	998.285	996.037	995.731	995.066	994.547	994.215	994.574	995.093	995.758
<b>30.0</b>	996.423	992.912	989.493	988.642	988.017	987.432	987.166	987.459	988.044	988.669
<b>32.5</b>	989.799	985.769	981.793	979.718	978.960	978.255	977.989	978.282	978.986	979.745
<b>35.0</b>	982.258	977.869	973.374	969.836	969.105	968.307	968.107	968.333	969.131	969.876
<b>37.5</b>	972.815	968.426	963.558	958.824	957.600	956.656	956.443	956.682	957.627	958.930
<b>40.0</b>	963.120	958.292	952.839	947.692	945.298	944.194	944.034	944.220	945.324	947.785
<b>42.5</b>	951.735	946.322	940.855	935.203	931.678	930.481	930.388	930.508	931.705	935.283
<b>45.0</b>	939.911	934.006	928.540	922.395	917.700	916.437	916.476	916.450	917.727	922.488
<b>47.5</b>	926.664	920.387	914.295	907.964	901.833	900.636	900.756	900.663	901.900	908.044
<b>50.0</b>	912.686	906.515	899.745	893.188	886.565	884.397	884.583	884.423	886.645	893.268
<b>52.5</b>	898.029	891.433	884.171	877.441	870.432	867.280	867.519	867.293	870.498	877.521
<b>55.0</b>	882.641	875.778	868.557	861.361	854.006	849.777	850.163	849.790	854.086	861.441
<b>57.5</b>	866.056	859.353	851.705	843.952	836.371	830.971	831.596	830.984	836.437	844.031
<b>60.0</b>	847.809	841.531	833.990	826.342	818.509	811.912	812.630	811.925	818.575	826.409
<b>62.5</b>	827.686	821.435	814.625	807.111	799.210	791.643	792.268	791.656	799.264	807.177
<b>65.0</b>	806.658	800.048	793.624	787.280	779.752	771.147	771.653	771.147	779.819	787.360
<b>67.5</b>	786.775	779.912	772.437	765.827	759.284	750.985	750.865	751.024	759.337	765.907
<b>70.0</b>	767.410	759.616	751.477	744.122	738.017	730.915	729.891	730.955	738.084	744.188
<b>72.5</b>	747.553	740.331	731.766	722.376	714.928	708.903	707.533	708.930	714.981	722.429
<b>75.0</b>	726.326	719.450	710.459	701.030	692.212	686.267	685.017	686.293	692.252	701.083
<b>77.5</b>	703.823	696.707	688.741	680.042	669.695	661.635	660.584	661.662	669.722	680.082
<b>80.0</b>	680.880	674.230	665.944	657.153	647.644	637.629	636.073	637.655	647.670	657.193
<b>82.5</b>	658.443	651.993	643.521	635.700	625.632	615.790	611.441	615.803	625.645	635.727
<b>85.0</b>	635.168	628.239	620.352	612.079	602.211	593.845	586.849	593.858	602.224	612.093
<b>87.5</b>	613.223	605.908	598.114	590.134	581.237	572.725	564.372	572.725	581.250	590.148
<b>90.0</b>	628.319	620.764	612.571	601.759	592.701	591.451	590.999	591.504	592.768	601.971
<b>92.5</b>	613.223	605.908	598.114	590.134	581.237	572.725	564.372	572.725	581.250	590.148
<b>95.0</b>	635.168	628.239	620.352	612.079	602.211	593.845	586.849	593.858	602.224	612.093
<b>97.5</b>	658.443	651.993	643.521	635.700	625.632	615.790	611.441	615.803	625.645	635.727
<b>100.0</b>	680.880	674.230	665.944	657.153	647.644	637.629	636.073	637.655	647.670	657.193
<b>102.5</b>	703.823	696.707	688.741	680.042	669.695	661.635	660.584	661.662	669.722	680.082
<b>105.0</b>	726.326	719.450	710.459	701.030	692.212	686.267	685.017	686.293	692.252	701.083
<b>107.5</b>	747.553	740.331	731.766	722.376	714.928	708.903	707.533	708.930	714.981	722.429
<b>110.0</b>	767.410	759.616	751.477	744.122	738.017	730.915	729.891	730.955	738.084	744.188
<b>112.5</b>	786.775	779.912	772.437	765.827	759.284	750.985	750.865	751.024	759.337	765.907
<b>115.0</b>	806.658	800.048	793.624	787.280	779.752	771.147	771.653	771.147	779.819	787.360

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-24-LED4-SO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

117.5	827.686	821.435	814.625	807.111	799.210	791.643	792.268	791.656	799.264	807.177
120.0	847.809	841.531	833.990	826.342	818.509	811.912	812.630	811.925	818.575	826.409
122.5	866.056	859.353	851.705	843.952	836.371	830.971	831.596	830.984	836.437	844.031
125.0	882.641	875.778	868.557	861.361	854.006	849.777	850.163	849.790	854.086	861.441
127.5	898.029	891.433	884.171	877.441	870.432	867.280	867.519	867.293	870.498	877.521
130.0	912.686	906.515	899.745	893.188	886.565	884.397	884.583	884.423	886.645	893.268
132.5	926.664	920.387	914.295	907.964	901.833	900.636	900.756	900.663	901.900	908.044
135.0	939.911	934.006	928.540	922.395	917.700	916.437	916.476	916.450	917.727	922.488
137.5	951.735	946.322	940.855	935.203	931.678	930.481	930.388	930.508	931.705	935.283
140.0	963.120	958.292	952.839	947.692	945.298	944.194	944.034	944.220	945.324	947.785
142.5	972.815	968.426	963.558	958.824	957.600	956.656	956.443	956.682	957.627	958.930
145.0	982.258	977.869	973.374	969.836	969.105	968.307	968.107	968.333	969.131	969.876
147.5	989.799	985.769	981.793	979.718	978.960	978.255	977.989	978.282	978.986	979.745
150.0	996.423	992.912	989.493	988.642	988.017	987.432	987.166	987.459	988.044	988.669
152.5	1001.344	998.285	996.037	995.731	995.066	994.547	994.215	994.574	995.093	995.758
155.0	1005.334	1002.727	1002.049	1001.583	1001.118	1000.665	1001.078	1000.692	1001.144	1001.610
157.5	1007.741	1006.411	1006.185	1005.839	1005.586	1005.121	1004.788	1005.148	1005.626	1005.866
160.0	1009.231	1009.430	1009.271	1009.098	1008.885	1008.645	1008.499	1008.672	1008.911	1009.124
162.5	1010.614	1010.507	1010.388	1010.228	1010.069	1010.215	1010.055	1010.241	1010.095	1010.268
165.0	1011.079	1011.106	1011.106	1011.053	1010.973	1010.840	1010.893	1010.867	1011.000	1011.079
167.5	1009.483	1009.576	1009.616	1009.749	1009.550	1009.457	1009.550	1009.483	1009.576	1009.776
170.0	1006.557	1006.704	1006.810	1006.877	1006.890	1007.236	1007.036	1007.382	1006.916	1006.903
172.5	1002.248	1001.823	1001.862	1001.889	1001.876	1001.876	1002.049	1001.889	1001.902	1001.916
175.0	997.287	997.380	997.447	997.487	997.527	997.633	997.753	997.646	997.686	997.513
177.5	991.342	991.874	991.316	991.369	991.422	991.475	991.542	991.542	991.435	991.382
180.0	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

**Vert.  
Angles**

**Horizontal 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	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
2.5	991.395	991.355	991.369	991.395	991.409	991.422	991.462	991.781	991.528	991.582
5.0	997.473	997.407	997.314	997.181	997.035	996.862	996.649	996.409	996.157	995.864
7.5	1001.889	1001.849	1002.275	1001.663	1001.530	1001.370	1001.184	1000.958	1000.719	1000.453
10.0	1006.837	1006.730	1006.584	1006.384	1006.132	1005.852	1005.520	1005.746	1004.749	1003.924
12.5	1009.643	1009.603	1009.510	1009.390	1009.231	1009.018	1008.473	1008.898	1009.443	1009.936
15.0	1011.133	1011.133	1011.106	1011.026	1010.734	1011.212	1012.130	1012.981	1013.766	1014.524
17.5	1010.414	1010.534	1010.640	1010.414	1011.837	1013.234	1014.577	1015.867	1017.104	1018.195
20.0	1009.297	1009.457	1009.284	1010.893	1012.569	1014.192	1015.761	1017.264	1018.448	1019.099
22.5	1006.212	1006.451	1007.847	1010.029	1012.157	1014.258	1016.306	1017.716	1018.687	1019.445
25.0	1002.075	1002.833	1005.440	1008.007	1010.547	1012.968	1014.644	1016.000	1017.317	1018.581
27.5	996.090	998.391	1001.450	1004.509	1007.648	1009.776	1011.877	1013.753	1015.415	1016.639
30.0	989.587	993.018	996.529	1000.040	1002.807	1005.360	1007.648	1009.896	1011.399	1012.915
32.5	981.899	985.876	989.906	993.430	996.848	999.974	1003.192	1004.935	1007.276	1008.579
35.0	973.480	977.976	982.378	986.155	989.853	993.523	995.877	998.391	1001.011	1003.246
37.5	963.665	968.533	972.935	977.457	981.846	985.384	988.669	991.608	993.976	995.931
40.0	952.945	958.411	963.226	968.107	972.110	975.675	979.279	982.538	985.610	988.509
42.5	940.948	946.428	951.854	957.214	961.510	965.793	969.171	972.430	975.675	978.787
45.0	928.633	934.112	940.017	945.125	949.899	954.115	957.919	961.829	964.862	967.628
47.5	914.402	920.506	926.784	932.410	937.850	942.079	946.415	949.886	953.384	956.283
50.0	899.851	906.621	912.806	918.791	923.712	928.579	933.195	937.145	940.696	943.795
52.5	884.264	891.552	898.136	904.201	909.427	914.282	919.097	923.326	927.010	930.322
55.0	868.663	875.885	882.748	888.706	894.199	899.293	903.908	908.324	912.340	915.080
57.5	851.799	859.446	866.176	872.360	877.308	882.655	887.163	891.592	895.183	898.428
60.0	834.083	841.637	847.915	853.488	858.754	863.729	868.650	873.238	877.122	880.314
62.5	814.718	821.528	827.792	833.604	838.831	844.750	850.695	854.951	858.342	861.268

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

65.0	793.704	800.141	806.751	813.255	819.014	825.252	831.423	836.676	838.924	841.531
67.5	772.531	779.992	786.855	793.318	799.210	805.727	811.526	815.716	818.442	821.262
70.0	751.556	759.696	767.490	774.393	780.351	786.908	792.560	796.537	799.410	801.525
72.5	731.819	740.384	747.633	754.935	760.747	767.304	774.326	777.970	780.231	780.856
75.0	710.513	719.503	726.393	732.777	738.788	745.505	751.450	756.291	758.366	759.736
77.5	688.794	696.747	703.876	710.406	715.859	721.897	727.045	732.032	735.410	736.581
80.0	665.984	674.270	680.920	687.836	692.810	698.702	703.530	707.414	710.579	712.029
82.5	643.547	652.019	658.483	664.681	670.200	676.518	681.678	684.099	686.107	687.384
85.0	620.365	628.252	635.195	640.794	646.500	653.136	659.161	660.265	661.476	662.673
87.5	598.128	605.908	613.236	618.796	624.236	631.165	638.294	638.413	639.171	640.275
90.0	612.771	620.990	628.558	636.445	643.853	650.955	658.323	662.207	662.952	664.215
92.5	598.128	605.908	613.236	618.796	624.236	631.165	638.294	638.413	639.171	640.275
95.0	620.365	628.252	635.195	640.794	646.500	653.136	659.161	660.265	661.476	662.673
97.5	643.547	652.019	658.483	664.681	670.200	676.518	681.678	684.099	686.094	687.384
100.0	665.984	674.270	680.920	687.836	692.810	698.702	703.530	707.414	710.579	712.029
102.5	688.794	696.747	703.876	710.406	715.859	721.897	727.045	732.032	735.410	736.581
105.0	710.513	719.503	726.393	732.777	738.788	745.505	751.450	756.291	758.366	759.736
107.5	731.819	740.384	747.633	754.935	760.747	767.304	774.326	777.970	780.231	780.856
110.0	751.556	759.696	767.490	774.393	780.351	786.908	792.560	796.537	799.410	801.525
112.5	772.531	779.992	786.855	793.318	799.210	805.727	811.526	815.716	818.442	821.262
115.0	793.717	800.141	806.751	813.255	819.014	825.252	831.423	836.676	838.924	841.531
117.5	814.718	821.528	827.792	833.604	838.831	844.750	850.695	854.951	858.342	861.268
120.0	834.083	841.637	847.915	853.488	858.754	863.729	868.650	873.238	877.122	880.314
122.5	851.799	859.446	866.176	872.360	877.308	882.655	887.163	891.592	895.183	898.428
125.0	868.663	875.885	882.748	888.706	894.199	899.293	903.908	908.324	912.340	915.080
127.5	884.264	891.552	898.136	904.201	909.427	914.282	919.097	923.326	927.010	930.322
130.0	899.851	906.621	912.806	918.791	923.712	928.579	933.195	937.145	940.696	943.795
132.5	914.402	920.506	926.784	932.410	937.850	942.079	946.415	949.886	953.384	956.283
135.0	928.633	934.112	940.017	945.125	949.899	954.115	957.919	961.829	964.862	967.628
137.5	940.948	946.428	951.854	957.214	961.510	965.793	969.171	972.430	975.675	978.787
140.0	952.945	958.411	963.226	968.107	972.110	975.675	979.279	982.538	985.610	988.509
142.5	963.665	968.533	972.935	977.457	981.846	985.384	988.669	991.608	993.976	995.931
145.0	973.480	977.976	982.378	986.155	989.853	993.523	995.877	998.391	1001.011	1003.246
147.5	981.899	985.876	989.906	993.430	996.848	999.974	1003.192	1004.935	1007.276	1008.579
150.0	989.587	993.018	996.529	1000.040	1002.807	1005.360	1007.648	1009.896	1011.399	1012.915
152.5	996.090	998.391	1001.450	1004.509	1007.648	1009.776	1011.877	1013.753	1015.415	1016.639
155.0	1002.075	1002.833	1005.440	1008.007	1010.547	1012.968	1014.644	1016.000	1017.317	1018.581
157.5	1006.212	1006.451	1007.847	1010.029	1012.157	1014.258	1016.306	1017.716	1018.687	1019.445
160.0	1009.297	1009.457	1009.284	1010.893	1012.569	1014.192	1015.761	1017.264	1018.448	1019.099
162.5	1010.414	1010.534	1010.640	1010.414	1011.837	1013.234	1014.577	1015.867	1017.104	1018.195
165.0	1011.133	1011.133	1011.106	1011.026	1010.734	1011.212	1012.130	1012.981	1013.766	1014.524
167.5	1009.643	1009.603	1009.510	1009.390	1009.231	1009.018	1008.473	1008.898	1009.443	1009.936
170.0	1006.837	1006.730	1006.584	1006.384	1006.132	1005.852	1005.520	1005.746	1004.749	1003.924
172.5	1001.889	1001.849	1002.275	1001.663	1001.530	1001.370	1001.184	1000.958	1000.719	1000.453
175.0	997.473	997.407	997.314	997.181	997.035	996.862	996.649	996.409	996.157	995.864
177.5	991.395	991.355	991.369	991.395	991.409	991.422	991.462	991.781	991.528	991.582
180.0	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

**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	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
2.5	991.621	991.675	991.728	991.781	991.834	991.887	991.941	991.994	992.047	992.114
5.0	995.558	995.226	994.867	994.481	994.069	993.643	993.191	992.725	992.233	991.821
7.5	1000.147	999.828	999.482	999.149	998.431	998.271	997.926	997.580	997.181	996.742
10.0	1004.057	1004.150	1004.203	1004.283	1004.310	1004.283	1004.203	1004.070	1003.884	1003.631



**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

12.5	1010.374	1010.747	1010.787	1010.773	1010.667	1010.494	1010.255	1009.949	1009.324	1008.699
15.0	1015.069	1015.522	1015.894	1015.934	1015.668	1015.415	1014.923	1014.152	1013.314	1012.409
17.5	1018.953	1018.820	1018.873	1018.860	1018.740	1018.434	1018.062	1017.636	1017.131	1016.280
20.0	1019.711	1020.256	1020.748	1021.280	1021.134	1021.001	1020.349	1019.551	1018.620	1017.623
22.5	1020.150	1020.775	1021.334	1021.427	1021.360	1021.307	1021.121	1020.403	1019.605	1018.514
25.0	1019.791	1020.482	1020.735	1020.815	1020.815	1020.735	1020.602	1020.150	1019.365	1017.822
27.5	1017.889	1018.195	1018.913	1019.578	1020.017	1019.445	1018.634	1017.556	1016.439	1015.256
30.0	1014.511	1015.841	1016.546	1016.519	1016.466	1016.027	1015.588	1014.883	1013.221	1011.545
32.5	1010.481	1011.133	1011.891	1012.436	1012.236	1011.718	1010.800	1009.842	1009.044	1006.717
35.0	1004.988	1005.813	1006.371	1006.677	1006.544	1006.291	1005.759	1004.070	1002.594	1000.732
37.5	997.766	999.415	1000.067	1000.266	1000.147	999.774	998.923	997.700	995.518	993.364
40.0	990.345	991.276	992.180	993.045	992.938	992.127	990.970	990.132	988.097	985.437
42.5	980.569	982.365	984.173	984.054	983.934	983.402	982.937	980.662	978.135	975.249
45.0	969.942	971.698	973.041	973.906	974.278	973.414	971.725	969.743	967.628	964.716
47.5	958.371	960.353	962.056	962.056	961.909	961.404	960.845	958.438	956.164	953.171
50.0	946.521	947.984	948.649	949.181	949.301	948.463	947.452	946.215	943.874	940.736
52.5	932.862	934.205	935.309	935.655	935.535	934.990	934.325	932.277	929.963	927.409
55.0	917.501	919.256	920.560	921.211	921.491	920.826	919.176	917.368	915.359	912.234
57.5	900.889	903.110	904.932	905.384	905.531	904.972	903.722	901.753	898.920	895.795
60.0	883.120	885.354	886.977	888.028	888.467	887.629	886.538	884.104	881.298	877.920
62.5	863.888	866.375	868.251	869.700	869.700	869.049	867.612	864.979	862.053	859.007
65.0	844.444	846.784	848.992	850.083	849.923	849.431	848.128	845.375	842.622	839.230
67.5	824.347	826.622	828.816	829.641	829.069	828.923	827.486	824.879	822.273	818.788
70.0	803.506	805.940	808.095	808.653	807.988	808.347	806.499	804.065	801.498	799.210
72.5	782.186	784.088	785.618	785.884	785.857	785.591	784.341	782.506	780.457	778.941
75.0	759.882	761.492	762.622	762.941	762.941	762.556	761.691	760.135	758.512	757.741
77.5	736.847	738.602	739.613	739.999	740.198	739.653	738.895	737.565	735.849	735.091
80.0	712.840	713.931	714.955	715.912	716.617	715.607	714.396	713.026	711.856	710.739
82.5	688.395	689.140	689.765	690.802	691.933	690.483	689.259	688.435	687.916	686.360
85.0	663.963	664.947	666.024	667.766	669.788	667.514	665.652	664.508	663.670	661.981
87.5	641.752	642.816	643.999	646.181	648.269	646.048	643.813	642.603	641.393	639.943
90.0	665.878	667.780	669.229	669.482	668.910	667.899	665.213	662.353	659.520	656.741
92.5	641.752	642.816	643.999	646.181	648.269	646.048	643.813	642.603	641.393	639.943
95.0	663.963	664.947	666.024	667.766	669.788	667.514	665.652	664.508	663.670	661.981
97.5	688.395	689.140	689.765	690.802	691.933	690.483	689.259	688.435	687.916	686.360
100.0	712.840	713.931	714.955	715.912	716.617	715.607	714.396	713.026	711.856	710.739
102.5	736.847	738.602	739.613	739.999	740.198	739.653	738.895	737.565	735.849	735.091
105.0	759.882	761.492	762.622	762.941	762.941	762.556	761.691	760.135	758.512	757.741
107.5	782.186	784.088	785.618	785.884	785.857	785.591	784.341	782.506	780.457	778.941
110.0	803.506	805.940	808.095	808.653	807.988	808.347	806.499	804.065	801.498	799.210
112.5	824.347	826.622	828.816	829.641	829.069	828.923	827.486	824.879	822.273	818.788
115.0	844.444	846.784	848.992	850.083	849.923	849.431	848.128	845.375	842.622	839.230
117.5	863.888	866.375	868.251	869.700	869.700	869.049	867.612	864.979	862.053	859.007
120.0	883.120	885.354	886.977	888.028	888.467	887.629	886.538	884.104	881.298	877.920
122.5	900.889	903.110	904.932	905.384	905.531	904.972	903.722	901.753	898.920	895.795
125.0	917.501	919.256	920.560	921.211	921.491	920.826	919.176	917.368	915.359	912.234
127.5	932.862	934.205	935.309	935.655	935.535	934.990	934.325	932.277	929.963	927.409
130.0	946.521	947.984	948.649	949.181	949.301	948.463	947.452	946.215	943.874	940.736
132.5	958.371	960.353	962.056	962.056	961.909	961.404	960.845	958.438	956.164	953.171
135.0	969.942	971.698	973.041	973.906	974.278	973.414	971.725	969.756	967.628	964.716
137.5	980.569	982.365	984.173	984.054	983.934	983.402	982.937	980.662	978.135	975.249
140.0	990.331	991.276	992.180	993.045	992.938	992.127	990.970	990.132	988.097	985.437
142.5	997.766	999.415	1000.067	1000.266	1000.147	999.774	998.923	997.700	995.518	993.364
145.0	1004.988	1005.813	1006.371	1006.677	1006.544	1006.291	1005.759	1004.070	1002.594	1000.732
147.5	1010.481	1011.133	1011.891	1012.436	1012.236	1011.718	1010.800	1009.842	1009.044	1006.717
150.0	1014.511	1015.841	1016.546	1016.519	1016.466	1016.027	1015.588	1014.883	1013.221	1011.545

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>152.5</b>	1017.889	1018.195	1018.913	1019.578	1020.017	1019.445	1018.634	1017.556	1016.439	1015.256
<b>155.0</b>	1019.791	1020.482	1020.735	1020.815	1020.815	1020.735	1020.602	1020.150	1019.365	1017.822
<b>157.5</b>	1020.150	1020.775	1021.334	1021.427	1021.360	1021.307	1021.121	1020.403	1019.605	1018.514
<b>160.0</b>	1019.711	1020.256	1020.748	1021.280	1021.134	1021.001	1020.349	1019.551	1018.620	1017.623
<b>162.5</b>	1018.953	1018.820	1018.873	1018.860	1018.740	1018.434	1018.062	1017.636	1017.131	1016.280
<b>165.0</b>	1015.069	1015.522	1015.894	1015.934	1015.668	1015.415	1014.923	1014.152	1013.314	1012.409
<b>167.5</b>	1010.374	1010.747	1010.787	1010.773	1010.667	1010.494	1010.255	1009.949	1009.324	1008.699
<b>170.0</b>	1004.057	1004.150	1004.203	1004.283	1004.310	1004.283	1004.203	1004.070	1003.884	1003.631
<b>172.5</b>	1000.147	999.828	999.482	999.149	998.431	998.271	997.926	997.580	997.181	996.742
<b>175.0</b>	995.558	995.226	994.867	994.481	994.069	993.643	993.191	992.725	992.233	991.821
<b>177.5</b>	991.621	991.675	991.728	991.781	991.834	991.887	991.941	991.994	992.047	992.114
<b>180.0</b>	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

**Vert.  
Angles**

**Horizontal Angles**

	<u><b>150.0</b></u>	<u><b>152.5</b></u>	<u><b>155.0</b></u>	<u><b>157.5</b></u>	<u><b>160.0</b></u>	<u><b>162.5</b></u>	<u><b>165.0</b></u>	<u><b>167.5</b></u>	<u><b>170.0</b></u>	<u><b>172.5</b></u>
<b>0.0</b>	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
<b>2.5</b>	992.167	992.220	992.286	992.340	992.393	992.446	992.513	992.566	992.619	992.672
<b>5.0</b>	991.794	991.768	991.848	992.060	992.074	992.180	992.300	992.406	992.513	992.619
<b>7.5</b>	996.250	995.705	995.133	994.508	994.228	994.614	994.707	995.013	995.279	995.532
<b>10.0</b>	1003.405	1002.674	1001.889	1001.051	1000.160	999.216	998.511	998.950	999.056	999.349
<b>12.5</b>	1008.047	1007.355	1006.611	1005.706	1004.389	1003.046	1001.650	1000.280	1000.240	1000.572
<b>15.0</b>	1011.492	1010.654	1009.763	1008.818	1007.834	1006.438	1004.762	1003.046	1001.437	1001.663
<b>17.5</b>	1014.950	1013.433	1011.970	1010.627	1009.231	1007.794	1006.025	1003.871	1001.676	1000.519
<b>20.0</b>	1016.572	1015.096	1013.287	1011.425	1009.789	1008.113	1006.398	1004.230	1001.716	999.176
<b>22.5</b>	1017.304	1015.907	1014.192	1011.665	1009.084	1006.797	1004.536	1002.261	999.296	996.223
<b>25.0</b>	1015.987	1013.965	1011.904	1009.829	1007.036	1004.190	1001.663	999.123	996.290	992.845
<b>27.5</b>	1013.779	1011.704	1009.297	1006.730	1004.602	1000.665	997.327	994.228	991.169	987.326
<b>30.0</b>	1009.842	1007.914	1005.001	1001.942	998.857	995.678	991.914	988.310	984.958	981.154
<b>32.5</b>	1004.549	1002.368	1000.346	996.636	992.978	989.334	985.277	980.981	977.058	973.055
<b>35.0</b>	998.458	995.718	993.031	989.932	985.636	981.380	977.151	972.376	968.147	963.997
<b>37.5</b>	991.010	988.350	985.011	981.487	977.577	972.749	967.961	963.026	958.145	953.424
<b>40.0</b>	982.112	979.013	975.848	971.991	967.961	963.066	957.653	952.333	946.947	941.826
<b>42.5</b>	972.217	969.211	965.474	961.670	957.068	952.174	946.495	940.709	935.070	929.883
<b>45.0</b>	961.311	957.720	953.796	949.979	945.457	940.257	934.684	928.446	922.581	916.516
<b>47.5</b>	949.620	945.923	942.159	937.743	932.942	927.289	921.451	914.974	908.563	902.259
<b>50.0</b>	937.211	933.168	928.513	924.004	918.964	913.803	907.645	900.969	893.840	887.296
<b>52.5</b>	923.419	919.176	914.548	909.747	904.759	899.014	892.736	885.913	878.532	871.788
<b>55.0</b>	908.816	904.639	900.117	894.558	889.477	883.719	877.547	870.831	862.917	855.669
<b>57.5</b>	892.350	888.320	883.200	878.279	873.198	867.626	860.896	853.980	846.213	838.751
<b>60.0</b>	874.395	869.980	864.899	859.606	854.498	848.846	843.207	836.676	828.790	821.022
<b>62.5</b>	855.789	851.812	847.463	840.427	834.548	829.189	823.150	816.580	809.478	802.110
<b>65.0</b>	836.184	833.764	827.353	820.796	814.798	808.680	801.937	795.393	788.903	782.865
<b>67.5</b>	815.662	812.311	807.456	801.458	794.914	788.823	782.279	775.337	767.596	761.492
<b>70.0</b>	796.790	793.478	789.129	782.851	776.215	770.243	763.034	755.147	747.008	740.118
<b>72.5</b>	777.079	775.284	770.655	763.593	756.956	750.958	743.510	736.341	727.457	718.479
<b>75.0</b>	756.132	753.698	748.138	742.113	735.557	729.412	722.855	716.045	706.762	697.625
<b>77.5</b>	733.588	729.505	724.917	719.437	712.800	707.507	700.631	693.648	685.628	676.970
<b>80.0</b>	709.808	705.485	701.389	696.388	690.297	685.283	678.273	671.730	663.244	654.693
<b>82.5</b>	684.977	682.729	680.162	674.669	668.259	662.752	656.475	649.971	641.472	633.838
<b>85.0</b>	660.691	659.387	658.190	651.886	645.183	639.517	633.851	626.882	618.969	610.789
<b>87.5</b>	638.560	637.988	637.469	630.540	623.863	618.171	612.571	605.230	597.409	589.483
<b>90.0</b>	654.852	652.910	645.183	636.977	629.037	621.110	613.396	604.552	595.734	585.147
<b>92.5</b>	638.560	637.988	637.469	630.540	623.863	618.171	612.571	605.230	597.409	589.483
<b>95.0</b>	660.691	659.387	658.190	651.886	645.183	639.517	633.851	626.882	618.969	610.789
<b>97.5</b>	684.977	682.729	680.162	674.669	668.259	662.752	656.475	649.971	641.472	633.838

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

100.0	709.808	705.485	701.389	696.388	690.297	685.283	678.273	671.730	663.244	654.693
102.5	733.588	729.505	724.917	719.437	712.800	707.507	700.631	693.648	685.628	676.970
105.0	756.132	753.698	748.138	742.113	735.557	729.412	722.855	716.045	706.762	697.625
107.5	777.079	775.284	770.655	763.593	756.956	750.958	743.510	736.341	727.457	718.479
110.0	796.790	793.478	789.129	782.851	776.215	770.243	763.034	755.147	747.008	740.118
112.5	815.662	812.311	807.456	801.458	794.914	788.823	782.279	775.337	767.596	761.492
115.0	836.198	833.764	827.353	820.796	814.798	808.680	801.937	795.393	788.903	782.865
117.5	855.789	851.812	847.463	840.427	834.548	829.189	823.150	816.580	809.478	802.110
120.0	874.395	869.980	864.899	859.606	854.498	848.846	843.207	836.676	828.790	821.022
122.5	892.350	888.320	883.200	878.279	873.198	867.626	860.896	853.980	846.213	838.751
125.0	908.816	904.639	900.117	894.558	889.477	883.719	877.547	870.831	862.917	855.669
127.5	923.419	919.176	914.548	909.747	904.759	899.014	892.736	885.913	878.532	871.788
130.0	937.211	933.168	928.513	924.004	918.964	913.803	907.645	900.969	893.840	887.296
132.5	949.620	945.923	942.159	937.743	932.942	927.289	921.451	914.974	908.563	902.259
135.0	961.311	957.720	953.796	949.979	945.457	940.257	934.684	928.446	922.581	916.516
137.5	972.217	969.211	965.474	961.670	957.068	952.174	946.495	940.709	935.070	929.883
140.0	982.112	979.013	975.848	971.991	967.961	963.066	957.653	952.333	946.947	941.826
142.5	991.010	988.350	985.011	981.487	977.577	972.749	967.961	963.026	958.145	953.424
145.0	998.458	995.718	993.031	989.932	985.636	981.380	977.151	972.376	968.147	963.997
147.5	1004.549	1002.368	1000.346	996.636	992.978	989.334	985.277	980.981	977.058	973.055
150.0	1009.842	1007.914	1005.001	1001.942	998.857	995.678	991.914	988.310	984.958	981.154
152.5	1013.779	1011.704	1009.297	1006.730	1004.602	1000.665	997.327	994.228	991.169	987.326
155.0	1015.987	1013.965	1011.904	1009.829	1007.036	1004.190	1001.663	999.123	996.290	992.845
157.5	1017.304	1015.907	1014.192	1011.665	1009.084	1006.797	1004.536	1002.261	999.296	996.223
160.0	1016.572	1015.096	1013.287	1011.425	1009.789	1008.113	1006.398	1004.230	1001.716	999.176
162.5	1014.950	1013.433	1011.970	1010.627	1009.231	1007.794	1006.025	1003.871	1001.676	1000.519
165.0	1011.492	1010.654	1009.763	1008.818	1007.834	1006.438	1004.762	1003.046	1001.437	1001.663
167.5	1008.047	1007.355	1006.611	1005.706	1004.389	1003.046	1001.650	1000.280	1000.240	1000.572
170.0	1003.405	1002.674	1001.889	1001.051	1000.160	999.216	998.511	998.950	999.056	999.349
172.5	996.250	995.705	995.133	994.508	994.228	994.614	994.707	995.013	995.279	995.532
175.0	991.794	991.768	991.848	992.060	992.074	992.180	992.300	992.406	992.513	992.619
177.5	992.167	992.220	992.286	992.340	992.393	992.446	992.513	992.566	992.619	992.672
180.0	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

**Vert.  
Angles**

**Horizontal Angles**

	<b>175.0</b>	<b>177.5</b>	<b>180.0</b>	<b>182.5</b>	<b>185.0</b>	<b>187.5</b>	<b>190.0</b>	<b>192.5</b>	<b>195.0</b>	<b>197.5</b>
0.0	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
2.5	992.725	992.779	992.845	992.818	992.739	992.685	992.632	992.566	992.513	992.459
5.0	992.725	992.832	992.938	992.832	992.725	992.632	992.513	992.406	992.300	992.193
7.5	995.744	995.931	996.104	995.944	995.758	995.532	995.292	995.013	994.720	994.720
10.0	999.615	999.841	1000.054	999.854	999.615	999.349	999.069	998.950	998.511	999.163
12.5	1000.878	1001.158	1001.410	1001.158	1000.878	1000.586	1000.253	1000.187	1001.596	1002.993
15.0	1002.567	1002.647	1002.873	1002.660	1002.581	1001.676	1001.424	1002.993	1004.722	1006.384
17.5	1000.878	1001.224	1001.570	1001.237	1000.878	1000.519	1001.623	1003.818	1005.985	1007.754
20.0	999.495	999.987	1000.439	1000.000	999.495	999.163	1001.663	1004.190	1006.358	1008.087
22.5	995.306	995.678	996.090	995.691	995.319	996.183	999.256	1002.235	1004.496	1006.757
25.0	990.757	991.169	991.608	991.169	990.757	992.792	996.250	999.096	1001.636	1004.163
27.5	983.934	984.293	984.732	984.306	983.934	987.272	991.143	994.202	997.301	1000.626
30.0	976.978	976.978	977.430	976.978	976.938	981.114	984.918	988.283	991.848	995.638
32.5	968.280	967.415	967.854	967.415	968.320	973.001	977.018	980.955	985.237	989.307
35.0	958.943	957.321	957.773	957.321	958.890	963.957	968.107	972.350	977.111	981.354
37.5	948.104	945.577	946.056	945.590	948.064	953.384	958.105	962.987	967.934	972.722
40.0	936.387	933.035	933.554	933.048	936.347	941.800	946.907	952.293	957.613	963.026
42.5	923.805	919.535	920.054	919.535	923.752	929.843	935.043	940.682	946.455	952.147
45.0	910.651	905.531	906.089	905.531	910.611	916.476	922.541	928.407	934.658	940.230

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**CANDELA TABULATION - (Cont.)**

47.5	895.994	890.196	890.794	890.196	895.955	902.232	908.523	914.934	921.424	927.263
50.0	880.593	874.555	874.568	874.528	880.553	887.256	893.800	900.929	907.605	913.777
52.5	864.926	858.435	857.863	858.409	864.899	871.749	878.492	885.873	892.709	899.000
55.0	848.181	841.651	840.547	841.611	848.154	855.629	862.891	870.804	877.521	883.692
57.5	830.878	824.095	822.512	824.068	830.851	838.725	846.186	853.940	860.869	867.612
60.0	812.949	805.820	803.653	805.794	812.923	820.982	828.803	836.650	843.180	848.833
62.5	793.930	786.655	783.836	786.629	793.904	802.083	809.451	816.554	823.124	829.149
65.0	774.539	767.038	763.500	767.024	774.512	782.851	788.890	795.380	801.910	808.667
67.5	754.549	747.367	743.337	747.354	754.522	761.478	767.583	775.324	782.253	788.810
70.0	733.734	727.377	722.789	727.350	733.708	740.105	746.981	755.121	763.048	770.230
72.5	710.872	705.818	701.203	705.804	710.858	718.453	727.430	736.328	743.497	750.945
75.0	688.647	683.394	679.284	683.394	688.634	697.598	706.749	716.032	722.842	729.399
77.5	666.476	659.188	655.743	659.175	666.463	676.957	685.615	693.635	700.617	707.494
80.0	645.063	635.647	632.043	635.634	645.050	654.679	663.231	671.717	678.260	685.269
82.5	623.597	614.194	608.369	614.181	623.584	633.825	641.459	649.971	656.461	662.739
85.0	600.867	592.794	584.801	592.781	600.854	610.776	618.969	626.869	633.851	639.517
87.5	580.572	572.206	563.335	572.206	580.572	589.483	597.396	605.230	612.571	618.171
90.0	575.478	564.425	566.048	564.412	575.385	585.067	595.654	604.485	613.330	621.030
92.5	580.572	572.206	563.335	572.206	580.572	589.483	597.396	605.230	612.571	618.171
95.0	600.867	592.794	584.801	592.781	600.854	610.776	618.969	626.869	633.851	639.517
97.5	623.597	614.194	608.369	614.181	623.584	633.825	641.459	649.971	656.461	662.739
100.0	645.063	635.647	632.043	635.634	645.050	654.679	663.231	671.717	678.260	685.269
102.5	666.476	659.188	655.743	659.175	666.463	676.957	685.615	693.635	700.617	707.494
105.0	688.647	683.394	679.284	683.394	688.634	697.598	706.749	716.032	722.842	729.399
107.5	710.872	705.818	701.203	705.804	710.858	718.453	727.430	736.328	743.497	750.945
110.0	733.734	727.377	722.789	727.350	733.708	740.105	746.981	755.121	763.048	770.230
112.5	754.549	747.367	743.337	747.354	754.522	761.478	767.583	775.324	782.253	788.810
115.0	774.539	767.038	763.500	767.024	774.512	782.851	788.890	795.380	801.910	808.667
117.5	793.930	786.655	783.836	786.629	793.904	802.083	809.451	816.554	823.124	829.149
120.0	812.949	805.820	803.653	805.794	812.923	820.982	828.803	836.650	843.180	848.833
122.5	830.878	824.095	822.512	824.068	830.851	838.725	846.186	853.940	860.869	867.612
125.0	848.181	841.651	840.547	841.611	848.154	855.629	862.891	870.804	877.521	883.692
127.5	864.926	858.435	857.863	858.409	864.899	871.749	878.492	885.873	892.709	899.000
130.0	880.593	874.555	874.568	874.528	880.553	887.256	893.800	900.929	907.605	913.777
132.5	895.994	890.196	890.794	890.196	895.955	902.232	908.523	914.934	921.424	927.263
135.0	910.651	905.531	906.089	905.531	910.611	916.476	922.541	928.407	934.658	940.230
137.5	923.805	919.535	920.054	919.535	923.752	929.843	935.043	940.682	946.455	952.147
140.0	936.387	933.035	933.554	933.048	936.347	941.800	946.907	952.293	957.613	963.026
142.5	948.104	945.577	946.056	945.590	948.064	953.384	958.105	962.987	967.934	972.722
145.0	958.943	957.321	957.773	957.321	958.890	963.957	968.107	972.350	977.111	981.354
147.5	968.280	967.415	967.854	967.415	968.320	973.001	977.018	980.955	985.237	989.307
150.0	976.978	976.978	977.430	976.978	976.938	981.114	984.918	988.283	991.848	995.638
152.5	983.934	984.293	984.732	984.306	983.934	987.272	991.143	994.202	997.301	1000.626
155.0	990.757	991.169	991.608	991.169	990.757	992.792	996.250	999.096	1001.636	1004.163
157.5	995.306	995.678	996.090	995.691	995.319	996.183	999.256	1002.235	1004.496	1006.757
160.0	999.495	999.987	1000.439	1000.000	999.495	999.163	1001.663	1004.190	1006.358	1008.087
162.5	1000.878	1001.224	1001.570	1001.237	1000.878	1000.519	1001.623	1003.818	1005.985	1007.754
165.0	1002.567	1002.647	1002.873	1002.660	1002.581	1001.676	1001.424	1002.993	1004.722	1006.384
167.5	1000.878	1001.158	1001.410	1001.158	1000.878	1000.586	1000.253	1000.187	1001.596	1002.993
170.0	999.615	999.841	1000.054	999.854	999.615	999.349	999.069	998.950	998.511	999.163
172.5	995.744	995.931	996.104	995.944	995.758	995.532	995.292	995.013	994.720	994.720
175.0	992.725	992.832	992.938	992.832	992.725	992.632	992.513	992.406	992.300	992.193
177.5	992.725	992.779	992.845	992.818	992.739	992.685	992.632	992.566	992.513	992.459
180.0	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>200.0</b>	<b>202.5</b>	<b>205.0</b>	<b>207.5</b>	<b>210.0</b>	<b>212.5</b>	<b>215.0</b>	<b>217.5</b>	<b>220.0</b>	<b>222.5</b>
<b>0.0</b>	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
<b>2.5</b>	992.406	992.340	992.286	992.233	992.180	992.114	992.060	992.007	991.954	991.901
<b>5.0</b>	992.087	992.060	991.861	991.754	991.794	991.821	992.193	992.685	993.151	993.603
<b>7.5</b>	994.228	994.454	995.079	995.665	996.197	996.689	997.141	997.527	997.886	998.218
<b>10.0</b>	1000.107	1001.011	1001.849	1002.621	1003.352	1003.605	1003.844	1004.044	1004.177	1004.256
<b>12.5</b>	1004.350	1005.653	1006.584	1007.329	1008.020	1008.659	1009.284	1009.922	1010.228	1010.468
<b>15.0</b>	1007.794	1008.792	1009.736	1010.627	1011.465	1012.369	1013.287	1014.125	1014.896	1015.389
<b>17.5</b>	1009.191	1010.587	1011.944	1013.394	1014.910	1016.240	1017.118	1017.610	1018.049	1018.421
<b>20.0</b>	1009.763	1011.385	1013.247	1015.069	1016.546	1017.610	1018.594	1019.525	1020.336	1020.988
<b>22.5</b>	1009.018	1011.625	1014.152	1015.881	1017.277	1018.487	1019.591	1020.376	1021.108	1021.307
<b>25.0</b>	1006.996	1009.803	1011.891	1013.939	1015.960	1017.796	1019.352	1020.150	1020.589	1020.735
<b>27.5</b>	1004.735	1006.704	1009.271	1011.678	1013.753	1015.242	1016.426	1017.556	1018.634	1019.445
<b>30.0</b>	998.830	1001.916	1004.975	1007.887	1009.829	1011.532	1013.207	1014.950	1015.588	1016.027
<b>32.5</b>	992.951	996.609	1000.306	1002.355	1004.536	1006.704	1009.005	1009.842	1010.800	1011.718
<b>35.0</b>	985.610	989.879	993.005	995.705	998.431	1000.732	1002.581	1004.070	1005.746	1006.305
<b>37.5</b>	977.537	981.474	984.998	988.336	991.010	993.350	995.505	997.660	998.936	999.788
<b>40.0</b>	967.934	971.977	975.834	979.000	982.099	985.424	988.097	990.198	990.970	992.127
<b>42.5</b>	957.041	961.657	965.460	969.184	972.203	975.249	978.122	980.662	982.950	983.402
<b>45.0</b>	945.431	949.966	953.783	957.706	961.297	964.702	967.615	969.756	971.725	973.427
<b>47.5</b>	932.915	937.717	942.145	945.909	949.607	953.171	956.150	958.438	960.819	961.417
<b>50.0</b>	918.937	923.978	928.500	933.155	937.211	940.722	943.874	946.215	947.465	948.463
<b>52.5</b>	904.746	909.733	914.535	919.163	923.406	927.382	929.963	932.277	934.312	934.990
<b>55.0</b>	889.464	894.545	900.091	904.626	908.816	912.220	915.359	917.381	919.176	920.839
<b>57.5</b>	873.172	878.266	883.187	888.307	892.337	895.795	898.920	901.753	903.722	904.985
<b>60.0</b>	854.485	859.592	864.886	869.966	874.395	877.906	881.285	884.104	886.578	887.629
<b>62.5</b>	834.535	840.414	847.436	851.799	855.775	858.994	862.053	864.979	867.612	869.062
<b>65.0</b>	814.771	820.770	827.340	833.750	836.184	839.217	842.622	845.375	848.114	849.431
<b>67.5</b>	794.901	801.431	807.443	812.298	815.662	818.775	822.259	824.866	827.486	828.923
<b>70.0</b>	776.201	782.838	789.116	793.465	796.790	799.210	801.485	804.052	806.499	808.361
<b>72.5</b>	756.943	763.580	770.629	775.284	777.079	778.941	780.457	782.506	784.341	785.591
<b>75.0</b>	735.570	742.100	748.125	753.698	756.118	757.728	758.499	760.135	761.691	762.556
<b>77.5</b>	712.800	719.424	724.930	729.492	733.575	735.091	735.836	737.565	738.895	739.653
<b>80.0</b>	690.283	696.375	701.389	705.472	709.821	710.739	711.856	713.013	714.396	715.607
<b>82.5</b>	668.245	674.669	680.162	682.716	684.963	686.347	687.929	688.421	689.259	690.470
<b>85.0</b>	645.170	651.873	658.190	659.387	660.691	661.981	663.657	664.508	665.652	667.514
<b>87.5</b>	623.863	630.540	637.469	637.988	638.560	639.943	641.393	642.603	643.813	646.048
<b>90.0</b>	628.957	637.017	645.117	652.870	654.812	656.701	659.481	662.313	665.173	667.860
<b>92.5</b>	623.863	630.540	637.469	637.988	638.560	639.943	641.393	642.603	643.813	646.048
<b>95.0</b>	645.170	651.873	658.190	659.387	660.691	661.981	663.657	664.508	665.652	667.514
<b>97.5</b>	668.245	674.669	680.162	682.716	684.963	686.347	687.929	688.421	689.259	690.470
<b>100.0</b>	690.283	696.375	701.389	705.472	709.821	710.739	711.856	713.013	714.396	715.607
<b>102.5</b>	712.800	719.424	724.930	729.492	733.575	735.091	735.836	737.565	738.895	739.653
<b>105.0</b>	735.570	742.100	748.125	753.698	756.118	757.728	758.499	760.135	761.691	762.556
<b>107.5</b>	756.943	763.580	770.629	775.284	777.079	778.941	780.457	782.506	784.341	785.591
<b>110.0</b>	776.201	782.838	789.116	793.465	796.790	799.210	801.485	804.052	806.499	808.361
<b>112.5</b>	794.901	801.431	807.443	812.298	815.662	818.775	822.259	824.866	827.486	828.923
<b>115.0</b>	814.771	820.770	827.340	833.750	836.184	839.217	842.622	845.375	848.114	849.431
<b>117.5</b>	834.535	840.414	847.436	851.799	855.775	858.994	862.053	864.979	867.612	869.062
<b>120.0</b>	854.485	859.592	864.886	869.966	874.395	877.906	881.285	884.104	886.578	887.629
<b>122.5</b>	873.172	878.266	883.187	888.307	892.337	895.795	898.920	901.753	903.722	904.985
<b>125.0</b>	889.464	894.545	900.091	904.626	908.816	912.220	915.359	917.381	919.176	920.839
<b>127.5</b>	904.746	909.733	914.535	919.163	923.406	927.382	929.963	932.277	934.312	934.990
<b>130.0</b>	918.937	923.978	928.500	933.155	937.211	940.722	943.874	946.215	947.465	948.463

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**CANDELA TABULATION - (Cont.)**

132.5	932.915	937.717	942.145	945.909	949.607	953.171	956.150	958.438	960.819	961.417
135.0	945.431	949.966	953.783	957.706	961.297	964.702	967.615	969.756	971.725	973.427
137.5	957.041	961.657	965.460	969.184	972.203	975.249	978.122	980.662	982.950	983.402
140.0	967.934	971.977	975.834	979.000	982.099	985.424	988.097	990.198	990.970	992.127
142.5	977.537	981.474	984.998	988.336	991.010	993.350	995.505	997.660	998.936	999.788
145.0	985.610	989.879	993.005	995.705	998.431	1000.732	1002.581	1004.070	1005.746	1006.305
147.5	992.951	996.609	1000.306	1002.355	1004.536	1006.704	1009.005	1009.842	1010.800	1011.718
150.0	998.830	1001.916	1004.975	1007.887	1009.829	1011.532	1013.207	1014.950	1015.588	1016.027
152.5	1004.735	1006.704	1009.271	1011.678	1013.753	1015.242	1016.426	1017.556	1018.634	1019.445
155.0	1006.996	1009.803	1011.891	1013.939	1015.960	1017.796	1019.352	1020.150	1020.589	1020.735
157.5	1009.018	1011.625	1014.152	1015.881	1017.277	1018.487	1019.591	1020.376	1021.108	1021.307
160.0	1009.763	1011.385	1013.247	1015.069	1016.546	1017.610	1018.594	1019.525	1020.336	1020.988
162.5	1009.191	1010.587	1011.944	1013.394	1014.910	1016.240	1017.118	1017.610	1018.049	1018.421
165.0	1007.794	1008.792	1009.736	1010.627	1011.465	1012.369	1013.287	1014.125	1014.896	1015.389
167.5	1004.350	1005.653	1006.584	1007.329	1008.020	1008.659	1009.284	1009.922	1010.228	1010.468
170.0	1000.107	1001.011	1001.849	1002.621	1003.352	1003.605	1003.844	1004.044	1004.177	1004.256
172.5	994.228	994.454	995.079	995.665	996.197	996.689	997.141	997.527	997.886	998.218
175.0	992.087	992.060	991.861	991.754	991.794	991.821	992.193	992.685	993.151	993.603
177.5	992.406	992.340	992.286	992.233	992.180	992.114	992.060	992.007	991.954	991.901
180.0	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

**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	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
2.5	991.848	991.794	991.741	991.688	991.635	991.582	991.542	991.887	991.568	991.422
5.0	994.029	994.428	994.813	995.173	995.518	995.824	996.117	996.370	996.609	996.808
7.5	998.404	999.109	999.455	1000.439	1000.120	1000.426	1000.692	1000.931	1001.158	1001.344
10.0	1004.283	1004.256	1004.177	1004.123	1004.017	1003.884	1004.722	1005.719	1005.493	1005.813
12.5	1010.640	1010.734	1010.760	1010.707	1010.361	1009.922	1009.430	1008.872	1008.459	1009.005
15.0	1015.655	1015.907	1015.881	1015.495	1015.056	1014.471	1013.753	1012.968	1012.117	1011.199
17.5	1018.727	1018.847	1018.860	1018.807	1018.940	1018.182	1017.104	1015.881	1014.577	1013.234
20.0	1021.121	1021.227	1020.748	1020.256	1019.711	1019.099	1018.448	1017.264	1015.761	1014.192
22.5	1021.360	1021.427	1021.334	1020.775	1020.150	1019.445	1018.687	1017.716	1016.320	1014.271
25.0	1020.802	1020.815	1020.735	1020.496	1019.804	1018.594	1017.330	1016.014	1014.657	1012.995
27.5	1020.017	1019.578	1018.926	1018.195	1017.889	1016.652	1015.428	1013.766	1011.904	1009.803
30.0	1016.453	1016.519	1016.546	1015.854	1014.524	1012.928	1011.425	1009.922	1007.675	1005.387
32.5	1012.236	1012.449	1011.904	1011.146	1010.494	1008.592	1007.289	1004.961	1003.179	1000.014
35.0	1006.557	1006.690	1006.384	1005.799	1005.068	1003.272	1001.038	998.418	995.904	993.523
37.5	1000.147	1000.280	1000.080	999.442	997.793	995.957	994.002	991.635	988.709	985.424
40.0	992.951	993.058	992.193	991.302	990.358	988.536	985.650	982.577	979.319	975.715
42.5	983.947	984.067	984.147	982.391	980.609	978.800	975.701	972.469	969.211	965.833
45.0	974.292	973.932	973.055	971.725	969.969	967.642	964.902	961.869	957.959	954.155
47.5	961.923	962.069	962.069	960.380	958.385	956.310	953.411	949.926	946.441	942.119
50.0	949.314	949.194	948.662	948.011	946.548	943.821	940.722	937.171	933.221	928.619
52.5	935.549	935.668	935.336	934.232	932.875	930.348	927.050	923.366	919.123	914.322
55.0	921.504	921.225	920.573	919.269	917.527	915.107	912.367	908.350	903.935	899.319
57.5	905.544	905.398	904.945	903.123	900.902	898.455	895.210	891.619	887.190	882.694
60.0	888.467	888.041	887.004	885.368	883.147	880.327	877.135	873.265	868.676	863.755
62.5	869.714	869.714	868.264	866.389	863.902	861.295	858.369	854.977	850.721	844.776
65.0	849.923	850.083	849.006	846.798	844.457	841.558	838.937	836.690	831.450	825.278
67.5	829.069	829.641	828.829	826.635	824.361	821.275	818.455	815.729	811.539	805.741
70.0	807.988	808.667	808.108	805.940	803.506	801.525	799.423	796.550	792.574	786.921
72.5	785.857	785.884	785.618	784.088	782.186	780.870	780.218	777.984	774.339	767.317
75.0	762.941	762.928	762.622	761.492	759.882	759.749	758.379	756.291	751.463	745.518
77.5	740.185	739.999	739.613	738.616	736.847	736.581	735.410	732.045	727.058	721.911

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

80.0	716.617	715.912	714.942	713.931	712.840	712.029	710.579	707.414	703.530	698.702
82.5	691.933	690.789	689.765	689.140	688.395	687.384	686.107	684.099	681.692	676.518
85.0	669.788	667.766	666.024	664.947	663.963	662.673	661.476	660.265	659.161	653.136
87.5	648.269	646.181	643.999	642.816	641.752	640.275	639.171	638.413	638.294	631.165
90.0	668.884	669.456	669.216	667.766	665.878	664.202	662.939	662.194	658.337	650.969
92.5	648.269	646.181	643.999	642.816	641.752	640.275	639.171	638.413	638.294	631.165
95.0	669.788	667.766	666.024	664.947	663.963	662.673	661.476	660.265	659.161	653.136
97.5	691.933	690.789	689.765	689.140	688.395	687.384	686.107	684.099	681.692	676.518
100.0	716.617	715.912	714.942	713.931	712.840	712.029	710.579	707.414	703.530	698.702
102.5	740.185	739.999	739.613	738.616	736.847	736.581	735.410	732.045	727.058	721.911
105.0	762.941	762.928	762.622	761.492	759.882	759.749	758.379	756.291	751.463	745.518
107.5	785.857	785.884	785.618	784.088	782.186	780.870	780.218	777.984	774.339	767.317
110.0	807.988	808.667	808.108	805.940	803.506	801.525	799.423	796.550	792.574	786.921
112.5	829.069	829.641	828.829	826.635	824.361	821.275	818.455	815.729	811.539	805.741
115.0	849.923	850.083	849.006	846.798	844.457	841.558	838.937	836.690	831.450	825.278
117.5	869.714	869.714	868.264	866.389	863.902	861.295	858.369	854.977	850.721	844.776
120.0	888.467	888.041	887.004	885.368	883.147	880.327	877.135	873.265	868.676	863.755
122.5	905.544	905.398	904.945	903.123	900.902	898.455	895.210	891.619	887.190	882.694
125.0	921.504	921.225	920.573	919.269	917.527	915.107	912.367	908.350	903.935	899.319
127.5	935.549	935.668	935.336	934.232	932.875	930.348	927.050	923.366	919.123	914.322
130.0	949.314	949.194	948.662	948.011	946.548	943.821	940.722	937.171	933.221	928.619
132.5	961.923	962.069	962.069	960.380	958.385	956.310	953.411	949.926	946.441	942.119
135.0	974.292	973.932	973.055	971.725	969.969	967.642	964.902	961.869	957.959	954.155
137.5	983.947	984.067	984.147	982.391	980.609	978.800	975.701	972.469	969.211	965.833
140.0	992.951	993.058	992.193	991.302	990.358	988.536	985.650	982.577	979.319	975.715
142.5	1000.147	1000.280	1000.080	999.442	997.793	995.957	994.002	991.635	988.709	985.424
145.0	1006.557	1006.690	1006.384	1005.799	1005.068	1003.272	1001.038	998.418	995.904	993.523
147.5	1012.236	1012.449	1011.904	1011.146	1010.494	1008.592	1007.289	1004.961	1003.179	1000.014
150.0	1016.453	1016.519	1016.546	1015.854	1014.524	1012.928	1011.425	1009.922	1007.675	1005.387
152.5	1020.017	1019.578	1018.926	1018.195	1017.889	1016.652	1015.428	1013.766	1011.904	1009.803
155.0	1020.802	1020.815	1020.735	1020.496	1019.804	1018.594	1017.330	1016.014	1014.657	1012.995
157.5	1021.360	1021.427	1021.334	1020.775	1020.150	1019.445	1018.687	1017.716	1016.320	1014.271
160.0	1021.121	1021.227	1020.748	1020.256	1019.711	1019.099	1018.448	1017.264	1015.761	1014.192
162.5	1018.727	1018.847	1018.860	1018.807	1018.940	1018.182	1017.104	1015.881	1014.577	1013.234
165.0	1015.655	1015.907	1015.881	1015.495	1015.056	1014.471	1013.753	1012.968	1012.117	1011.199
167.5	1010.640	1010.734	1010.760	1010.707	1010.361	1009.922	1009.430	1008.872	1008.459	1009.005
170.0	1004.283	1004.256	1004.177	1004.123	1004.017	1003.884	1004.722	1005.719	1005.493	1005.813
172.5	998.404	999.109	999.455	1000.439	1000.120	1000.426	1000.692	1000.931	1001.158	1001.344
175.0	994.029	994.428	994.813	995.173	995.518	995.824	996.117	996.370	996.609	996.808
177.5	991.848	991.794	991.741	991.688	991.635	991.582	991.542	991.887	991.568	991.422
180.0	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

**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	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
2.5	991.409	991.395	991.369	991.355	991.395	991.382	991.435	991.528	991.528	991.475
5.0	996.995	997.141	997.261	997.367	997.434	997.473	997.633	997.593	997.713	997.593
7.5	1001.503	1001.636	1002.341	1001.929	1001.862	1001.876	1001.876	1001.862	1002.022	1001.849
10.0	1006.105	1006.345	1006.544	1006.704	1006.810	1006.863	1006.877	1007.342	1006.996	1007.196
12.5	1009.204	1009.377	1009.497	1009.576	1009.616	1009.856	1009.576	1009.470	1009.550	1009.443
15.0	1010.720	1011.013	1011.093	1011.119	1011.119	1011.079	1010.986	1010.867	1010.867	1010.840
17.5	1011.837	1010.414	1010.640	1010.534	1010.414	1010.268	1010.095	1010.335	1010.148	1010.308
20.0	1012.582	1010.906	1009.284	1009.457	1009.310	1009.124	1008.911	1008.672	1008.486	1008.645
22.5	1012.170	1010.042	1007.861	1006.478	1006.225	1005.879	1005.600	1005.414	1004.815	1005.387
25.0	1010.574	1008.034	1005.453	1002.860	1002.089	1001.636	1001.171	1000.719	1001.078	1000.692

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-24-LED4-SO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

27.5	1007.675	1004.536	1001.477	998.418	996.117	995.758	995.119	994.601	994.255	994.587
30.0	1002.833	1000.080	996.556	993.058	989.626	988.709	988.070	987.485	987.166	987.459
32.5	996.888	993.470	989.946	985.916	981.939	979.784	979.026	978.321	978.029	978.308
35.0	989.892	986.222	982.418	978.016	973.520	969.929	969.171	968.373	968.120	968.360
37.5	981.886	977.497	972.975	968.573	963.691	958.970	957.667	956.736	956.496	956.709
40.0	972.150	968.147	963.306	958.451	952.985	947.825	945.377	944.260	944.061	944.247
42.5	961.550	957.254	951.894	946.468	941.002	935.336	931.745	930.561	930.441	930.535
45.0	949.939	945.165	940.071	934.165	928.673	922.528	917.767	916.503	916.503	916.476
47.5	937.889	932.450	926.824	920.546	914.442	908.097	901.940	900.716	900.796	900.689
50.0	923.752	918.831	912.846	906.661	899.891	893.308	886.698	884.463	884.610	884.450
52.5	909.467	904.240	898.176	891.592	884.304	877.561	870.538	867.333	867.559	867.320
55.0	894.226	888.733	882.788	875.911	868.690	861.481	854.126	849.830	850.189	849.817
57.5	877.348	872.387	866.202	859.486	851.838	844.058	836.477	831.024	831.622	831.011
60.0	858.781	853.514	847.942	841.664	834.110	826.435	818.602	811.952	812.643	811.952
62.5	838.858	833.631	827.819	821.568	814.745	807.204	799.290	791.683	792.294	791.669
65.0	819.041	813.282	806.778	800.168	793.731	787.387	779.846	771.174	771.679	771.161
67.5	799.224	793.345	786.881	780.018	772.544	765.920	759.364	751.051	750.891	751.011
70.0	780.364	774.406	767.503	759.709	751.570	744.202	738.097	730.968	729.904	730.941
72.5	760.760	754.948	747.646	740.398	731.833	722.443	714.995	708.943	707.547	708.917
75.0	738.802	732.777	726.406	719.503	710.526	701.083	692.265	686.307	685.030	686.280
77.5	715.859	710.420	703.889	696.760	688.794	680.082	669.735	661.675	660.598	661.635
80.0	692.810	687.849	680.933	674.270	665.984	657.193	647.670	637.655	636.073	637.642
82.5	670.200	664.681	658.483	652.019	643.560	635.727	625.645	615.803	611.441	615.803
85.0	646.500	640.794	635.195	628.252	620.365	612.106	602.224	593.858	586.849	593.845
87.5	624.236	618.796	613.236	605.908	598.128	590.148	581.250	572.725	564.372	572.725
90.0	643.826	636.445	628.571	621.004	612.784	601.971	592.781	591.518	591.025	591.478
92.5	624.236	618.796	613.236	605.908	598.128	590.148	581.250	572.725	564.372	572.725
95.0	646.500	640.794	635.195	628.252	620.365	612.106	602.224	593.858	586.849	593.845
97.5	670.200	664.681	658.483	652.019	643.560	635.727	625.645	615.803	611.441	615.803
100.0	692.810	687.849	680.933	674.270	665.984	657.193	647.670	637.655	636.073	637.642
102.5	715.859	710.420	703.889	696.760	688.794	680.082	669.735	661.675	660.598	661.635
105.0	738.802	732.777	726.406	719.503	710.526	701.083	692.265	686.307	685.030	686.280
107.5	760.760	754.948	747.646	740.398	731.833	722.443	714.995	708.943	707.547	708.917
110.0	780.364	774.406	767.503	759.709	751.570	744.202	738.097	730.968	729.904	730.941
112.5	799.224	793.345	786.881	780.018	772.544	765.920	759.364	751.051	750.891	751.011
115.0	819.041	813.282	806.778	800.168	793.731	787.387	779.846	771.174	771.679	771.161
117.5	838.858	833.631	827.819	821.568	814.745	807.204	799.290	791.683	792.294	791.669
120.0	858.781	853.514	847.942	841.664	834.110	826.435	818.602	811.952	812.643	811.952
122.5	877.348	872.387	866.202	859.486	851.838	844.058	836.477	831.024	831.622	831.011
125.0	894.226	888.733	882.788	875.911	868.690	861.481	854.126	849.830	850.189	849.817
127.5	909.467	904.240	898.176	891.592	884.304	877.561	870.538	867.333	867.559	867.320
130.0	923.752	918.831	912.846	906.661	899.891	893.308	886.698	884.463	884.610	884.450
132.5	937.889	932.450	926.824	920.546	914.442	908.097	901.940	900.716	900.796	900.689
135.0	949.939	945.165	940.071	934.165	928.673	922.528	917.767	916.503	916.503	916.476
137.5	961.550	957.254	951.894	946.468	941.002	935.336	931.745	930.561	930.441	930.535
140.0	972.150	968.147	963.306	958.451	952.985	947.825	945.377	944.260	944.061	944.247
142.5	981.886	977.497	972.975	968.573	963.691	958.970	957.667	956.736	956.496	956.709
145.0	989.892	986.222	982.418	978.016	973.520	969.929	969.171	968.373	968.120	968.360
147.5	996.888	993.470	989.946	985.916	981.939	979.784	979.026	978.321	978.029	978.308
150.0	1002.833	1000.080	996.556	993.058	989.626	988.709	988.070	987.485	987.166	987.459
152.5	1007.675	1004.536	1001.477	998.418	996.117	995.758	995.119	994.601	994.255	994.587
155.0	1010.574	1008.034	1005.453	1002.860	1002.089	1001.636	1001.171	1000.719	1001.078	1000.692
157.5	1012.170	1010.042	1007.861	1006.478	1006.225	1005.879	1005.600	1005.414	1004.815	1005.387
160.0	1012.582	1010.906	1009.284	1009.457	1009.310	1009.124	1008.911	1008.672	1008.486	1008.645
162.5	1011.837	1010.414	1010.640	1010.534	1010.414	1010.268	1010.095	1010.335	1010.148	1010.308
165.0	1010.720	1011.013	1011.093	1011.119	1011.119	1011.079	1010.986	1010.867	1010.867	1010.840



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-24-LED4-SO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.5</b>	1009.204	1009.377	1009.497	1009.576	1009.616	1009.856	1009.576	1009.470	1009.550	1009.443
<b>170.0</b>	1006.105	1006.345	1006.544	1006.704	1006.810	1006.863	1006.877	1007.342	1006.996	1007.196
<b>172.5</b>	1001.503	1001.636	1002.341	1001.929	1001.862	1001.876	1001.876	1001.862	1002.022	1001.849
<b>175.0</b>	996.995	997.141	997.261	997.367	997.434	997.473	997.633	997.593	997.713	997.593
<b>177.5</b>	991.409	991.395	991.369	991.355	991.395	991.382	991.435	991.528	991.528	991.475
<b>180.0</b>	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

**Vert.  
Angles**

**Horizontal Angles**

	<u><b>275.0</b></u>	<u><b>277.5</b></u>	<u><b>280.0</b></u>	<u><b>282.5</b></u>	<u><b>285.0</b></u>	<u><b>287.5</b></u>	<u><b>290.0</b></u>	<u><b>292.5</b></u>	<u><b>295.0</b></u>	<u><b>297.5</b></u>
<b>0.0</b>	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
<b>2.5</b>	991.422	991.369	991.316	991.874	991.342	991.355	991.382	991.395	991.542	991.861
<b>5.0</b>	997.487	997.447	997.407	997.327	997.234	997.114	996.968	996.782	996.582	996.343
<b>7.5</b>	1001.849	1001.862	1001.836	1001.902	1002.315	1001.610	1001.477	1001.317	1001.131	1000.905
<b>10.0</b>	1006.850	1006.837	1006.783	1006.677	1006.517	1006.318	1006.079	1005.799	1005.467	1005.094
<b>12.5</b>	1009.550	1009.829	1009.603	1009.550	1009.470	1009.350	1009.177	1009.044	1008.406	1008.765
<b>15.0</b>	1010.960	1011.053	1011.093	1011.106	1011.066	1011.000	1010.680	1011.093	1012.010	1012.862
<b>17.5</b>	1010.069	1010.241	1010.388	1010.521	1010.627	1010.361	1011.731	1013.128	1014.484	1015.774
<b>20.0</b>	1008.898	1009.098	1009.284	1009.430	1009.244	1010.800	1012.476	1014.098	1015.655	1017.157
<b>22.5</b>	1005.573	1005.852	1006.198	1006.424	1007.754	1009.936	1012.077	1014.165	1016.226	1017.596
<b>25.0</b>	1001.144	1001.610	1002.075	1002.754	1005.360	1007.927	1010.468	1012.875	1014.537	1015.894
<b>27.5</b>	995.093	995.731	996.077	998.311	1001.384	1004.443	1007.409	1009.683	1011.784	1013.660
<b>30.0</b>	988.057	988.682	989.533	992.951	996.463	999.974	1002.714	1005.267	1007.555	1009.803
<b>32.5</b>	979.000	979.771	981.846	985.809	989.853	993.350	996.769	999.894	1003.113	1004.842
<b>35.0</b>	969.158	969.889	973.414	977.922	982.311	986.115	989.773	993.430	995.784	998.285
<b>37.5</b>	957.640	958.877	963.585	968.479	972.868	977.377	981.779	985.304	988.589	991.515
<b>40.0</b>	945.351	947.745	952.905	958.345	963.213	968.041	972.031	975.595	979.199	982.444
<b>42.5</b>	931.732	935.256	940.909	946.375	951.788	957.148	961.430	965.713	969.078	972.336
<b>45.0</b>	917.753	922.448	928.593	934.059	939.964	945.045	949.833	954.022	957.826	961.736
<b>47.5</b>	901.886	908.018	914.348	920.440	926.717	932.343	937.770	941.999	946.322	949.793
<b>50.0</b>	886.618	893.228	899.798	906.568	912.739	918.724	923.645	928.500	933.101	937.052
<b>52.5</b>	870.472	877.481	884.224	891.486	898.083	904.134	909.361	914.202	919.003	923.233
<b>55.0</b>	854.060	861.401	868.596	875.818	882.681	888.640	894.119	899.213	903.815	908.230
<b>57.5</b>	836.410	843.991	851.745	859.393	866.109	872.281	877.241	882.575	887.083	891.499
<b>60.0</b>	818.549	826.369	834.016	841.558	847.848	853.408	858.675	863.649	868.570	873.158
<b>62.5</b>	799.237	807.137	814.665	821.475	827.726	833.578	838.751	844.683	850.628	854.871
<b>65.0</b>	779.792	787.307	793.651	800.088	806.685	813.202	818.948	825.185	831.356	836.583
<b>67.5</b>	759.297	765.854	772.451	779.939	786.801	793.252	799.144	805.661	811.460	815.636
<b>70.0</b>	738.044	744.135	751.503	759.643	767.437	774.339	780.284	786.841	792.481	796.457
<b>72.5</b>	714.955	722.390	731.779	740.345	747.580	755.041	760.694	767.250	774.273	777.890
<b>75.0</b>	692.212	701.043	710.473	719.464	726.340	732.724	738.735	745.478	751.397	756.225
<b>77.5</b>	669.708	680.042	688.754	696.707	703.836	710.366	715.806	721.858	726.991	731.979
<b>80.0</b>	647.644	657.166	665.958	674.230	680.894	687.810	692.770	698.662	703.490	707.374
<b>82.5</b>	625.632	635.700	643.534	651.993	658.456	664.654	670.174	676.478	681.652	684.059
<b>85.0</b>	602.211	612.079	620.352	628.239	635.168	640.767	646.486	653.110	659.135	660.239
<b>87.5</b>	581.237	590.148	598.114	605.908	613.223	618.783	624.222	631.152	638.294	638.400
<b>90.0</b>	592.728	601.785	612.598	620.791	628.359	636.206	643.720	650.729	658.111	661.901
<b>92.5</b>	581.237	590.148	598.114	605.908	613.223	618.783	624.222	631.152	638.294	638.400
<b>95.0</b>	602.211	612.079	620.352	628.239	635.168	640.767	646.486	653.110	659.135	660.239
<b>97.5</b>	625.632	635.700	643.534	651.993	658.456	664.654	670.174	676.478	681.652	684.059
<b>100.0</b>	647.644	657.166	665.958	674.230	680.894	687.810	692.770	698.662	703.490	707.374
<b>102.5</b>	669.708	680.042	688.754	696.707	703.836	710.366	715.806	721.858	726.991	731.979
<b>105.0</b>	692.212	701.043	710.473	719.464	726.340	732.724	738.735	745.478	751.397	756.225
<b>107.5</b>	714.955	722.390	731.779	740.345	747.580	755.041	760.694	767.250	774.273	777.890
<b>110.0</b>	738.044	744.135	751.503	759.643	767.437	774.339	780.284	786.841	792.481	796.457
<b>112.5</b>	759.297	765.854	772.451	779.939	786.801	793.252	799.144	805.661	811.460	815.636

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-24-LED4-SO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

115.0	779.792	787.307	793.651	800.088	806.685	813.202	818.948	825.185	831.356	836.583
117.5	799.237	807.137	814.665	821.475	827.726	833.578	838.751	844.683	850.628	854.871
120.0	818.549	826.369	834.016	841.571	847.848	853.408	858.675	863.649	868.570	873.158
122.5	836.410	843.991	851.745	859.393	866.109	872.281	877.241	882.575	887.083	891.499
125.0	854.060	861.401	868.596	875.818	882.681	888.640	894.119	899.213	903.815	908.230
127.5	870.472	877.481	884.224	891.486	898.083	904.134	909.361	914.202	919.003	923.233
130.0	886.618	893.228	899.798	906.568	912.739	918.724	923.645	928.500	933.101	937.052
132.5	901.886	908.018	914.348	920.440	926.717	932.343	937.770	941.999	946.322	949.793
135.0	917.753	922.448	928.593	934.059	939.964	945.045	949.833	954.022	957.826	961.736
137.5	931.732	935.256	940.909	946.375	951.788	957.148	961.430	965.713	969.078	972.336
140.0	945.351	947.745	952.905	958.345	963.213	968.041	972.031	975.595	979.199	982.444
142.5	957.640	958.877	963.585	968.479	972.868	977.377	981.779	985.304	988.589	991.515
145.0	969.158	969.889	973.414	977.922	982.311	986.115	989.773	993.430	995.784	998.285
147.5	979.000	979.771	981.846	985.809	989.853	993.350	996.769	999.894	1003.113	1004.842
150.0	988.057	988.682	989.533	992.951	996.463	999.974	1002.714	1005.267	1007.555	1009.803
152.5	995.093	995.731	996.077	998.311	1001.384	1004.443	1007.409	1009.683	1011.784	1013.660
155.0	1001.144	1001.610	1002.075	1002.754	1005.360	1007.927	1010.468	1012.875	1014.537	1015.894
157.5	1005.573	1005.852	1006.198	1006.424	1007.754	1009.936	1012.077	1014.165	1016.226	1017.596
160.0	1008.898	1009.098	1009.284	1009.430	1009.244	1010.800	1012.476	1014.098	1015.655	1017.157
162.5	1010.069	1010.241	1010.388	1010.521	1010.627	1010.361	1011.731	1013.128	1014.484	1015.774
165.0	1010.960	1011.053	1011.093	1011.106	1011.066	1011.000	1010.680	1011.093	1012.010	1012.862
167.5	1009.550	1009.829	1009.603	1009.550	1009.470	1009.350	1009.177	1009.044	1008.406	1008.765
170.0	1006.850	1006.837	1006.783	1006.677	1006.517	1006.318	1006.079	1005.799	1005.467	1005.094
172.5	1001.849	1001.862	1001.836	1001.902	1002.315	1001.610	1001.477	1001.317	1001.131	1000.905
175.0	997.487	997.447	997.407	997.327	997.234	997.114	996.968	996.782	996.582	996.343
177.5	991.422	991.369	991.316	991.874	991.342	991.355	991.382	991.395	991.542	991.861
180.0	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

**Vert. Angles**      **Horizontal 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	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
2.5	991.515	991.555	991.608	991.661	991.715	991.768	991.821	991.874	991.927	991.981
5.0	996.090	995.798	995.492	995.146	994.787	994.414	994.002	993.577	993.124	992.659
7.5	1000.665	1000.399	1000.094	999.774	999.429	999.109	998.365	998.404	997.779	997.420
10.0	1004.709	1003.844	1003.911	1004.017	1004.070	1004.150	1004.177	1004.150	1004.070	1003.937
12.5	1009.324	1009.816	1010.255	1010.601	1010.654	1010.627	1010.534	1010.361	1010.122	1009.829
15.0	1013.646	1014.364	1014.950	1015.402	1015.774	1015.788	1015.535	1015.269	1014.777	1014.005
17.5	1017.011	1018.075	1018.940	1018.687	1018.740	1018.727	1018.607	1018.301	1017.929	1017.490
20.0	1018.328	1018.980	1019.591	1020.137	1020.629	1021.108	1021.001	1020.921	1020.203	1019.392
22.5	1018.567	1019.339	1020.030	1020.655	1021.214	1021.241	1021.227	1021.174	1020.975	1020.243
25.0	1017.211	1018.474	1019.684	1020.310	1020.602	1020.682	1020.669	1020.602	1020.456	1020.004
27.5	1015.322	1016.519	1017.849	1018.062	1018.793	1019.458	1019.871	1019.299	1018.487	1017.410
30.0	1011.292	1012.808	1014.404	1015.721	1016.399	1016.373	1016.413	1015.894	1015.455	1014.843
32.5	1007.262	1008.473	1010.428	1011.000	1011.758	1012.316	1012.103	1011.571	1010.654	1009.696
35.0	1000.918	1003.126	1004.948	1005.653	1006.251	1006.544	1006.411	1006.158	1005.693	1003.937
37.5	993.856	995.824	997.660	999.375	999.934	1000.133	1000.014	999.655	998.817	997.513
40.0	985.517	988.403	990.225	991.156	992.060	992.925	992.818	991.994	990.837	990.105
42.5	975.568	978.747	980.476	982.258	984.001	983.934	983.814	983.269	982.897	980.516
45.0	964.769	967.509	969.836	971.592	972.935	973.773	974.159	973.294	971.592	969.623
47.5	953.357	956.177	958.265	960.247	962.016	961.936	961.790	961.297	960.686	958.305
50.0	940.603	943.702	946.428	947.878	948.543	949.075	949.194	948.343	947.346	946.096
52.5	926.917	930.255	932.809	934.099	935.203	935.535	935.416	934.870	934.245	932.157
55.0	912.234	914.987	917.407	919.150	920.453	921.105	921.384	920.719	919.057	917.261
57.5	895.090	898.335	900.796	903.017	904.826	905.278	905.437	904.879	903.615	901.647
60.0	877.029	880.221	883.027	885.261	886.884	887.935	888.374	887.536	886.525	884.011

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-24-LED4-SO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

62.5	858.249	861.188	863.795	866.282	868.158	869.607	869.621	868.969	867.519	864.886
65.0	838.831	841.451	844.351	846.705	848.912	849.990	849.843	849.351	848.035	845.295
67.5	818.349	821.182	824.268	826.542	828.736	829.561	828.989	828.856	827.406	824.800
70.0	799.330	801.445	803.426	805.860	808.028	808.587	807.922	808.294	806.432	803.985
72.5	780.178	780.790	782.120	784.008	785.551	785.817	785.791	785.538	784.274	782.452
75.0	758.300	759.709	759.816	761.425	762.556	762.875	762.875	762.516	761.638	760.082
77.5	735.344	736.527	736.793	738.549	739.560	739.959	740.145	739.600	738.855	737.512
80.0	710.526	711.989	712.800	713.878	714.915	715.873	716.577	715.567	714.356	712.986
82.5	686.067	687.357	688.368	689.100	689.738	690.762	691.906	690.443	689.233	688.395
85.0	661.449	662.646	663.936	664.934	665.998	667.740	669.788	667.500	665.638	664.481
87.5	639.171	640.262	641.752	642.802	643.986	646.181	648.255	646.034	643.800	642.590
90.0	662.659	663.936	665.625	667.514	668.977	669.243	668.671	667.633	664.960	662.127
92.5	639.171	640.262	641.752	642.802	643.986	646.181	648.255	646.034	643.800	642.590
95.0	661.449	662.646	663.936	664.934	665.998	667.740	669.788	667.500	665.638	664.481
97.5	686.067	687.357	688.368	689.100	689.738	690.762	691.906	690.443	689.233	688.395
100.0	710.526	711.989	712.800	713.878	714.915	715.873	716.577	715.567	714.356	712.986
102.5	735.344	736.527	736.793	738.549	739.560	739.959	740.145	739.600	738.855	737.512
105.0	758.300	759.709	759.816	761.425	762.556	762.875	762.875	762.516	761.638	760.082
107.5	780.178	780.790	782.120	784.008	785.551	785.817	785.791	785.538	784.274	782.452
110.0	799.330	801.445	803.426	805.860	808.028	808.587	807.922	808.294	806.432	803.985
112.5	818.349	821.182	824.268	826.542	828.736	829.561	828.989	828.856	827.406	824.800
115.0	838.831	841.451	844.351	846.705	848.912	849.990	849.843	849.351	848.035	845.295
117.5	858.249	861.188	863.795	866.282	868.158	869.607	869.621	868.969	867.519	864.886
120.0	877.029	880.221	883.027	885.261	886.884	887.935	888.374	887.536	886.525	884.011
122.5	895.090	898.335	900.796	903.017	904.826	905.278	905.437	904.879	903.615	901.647
125.0	912.234	914.987	917.407	919.150	920.453	921.105	921.384	920.719	919.057	917.261
127.5	926.917	930.255	932.809	934.112	935.203	935.535	935.416	934.870	934.245	932.157
130.0	940.603	943.702	946.428	947.878	948.543	949.075	949.194	948.343	947.346	946.096
132.5	953.357	956.177	958.265	960.247	962.016	961.936	961.790	961.297	960.686	958.305
135.0	964.769	967.509	969.836	971.592	972.935	973.773	974.159	973.294	971.592	969.623
137.5	975.568	978.747	980.476	982.258	984.001	983.934	983.814	983.269	982.897	980.516
140.0	985.517	988.403	990.225	991.156	992.060	992.925	992.818	991.994	990.837	990.105
142.5	993.856	995.824	997.660	999.375	999.934	1000.133	1000.014	999.655	998.817	997.513
145.0	1000.918	1003.126	1004.948	1005.653	1006.251	1006.544	1006.411	1006.158	1005.693	1003.937
147.5	1007.262	1008.473	1010.428	1011.000	1011.758	1012.316	1012.103	1011.571	1010.654	1009.696
150.0	1011.292	1012.808	1014.404	1015.721	1016.399	1016.373	1016.413	1015.894	1015.455	1014.843
152.5	1015.322	1016.519	1017.849	1018.062	1018.793	1019.458	1019.871	1019.299	1018.487	1017.410
155.0	1017.211	1018.474	1019.684	1020.310	1020.602	1020.682	1020.669	1020.602	1020.456	1020.004
157.5	1018.567	1019.339	1020.030	1020.655	1021.214	1021.241	1021.227	1021.174	1020.975	1020.243
160.0	1018.328	1018.980	1019.591	1020.137	1020.629	1021.108	1021.001	1020.921	1020.203	1019.392
162.5	1017.011	1018.075	1018.940	1018.687	1018.740	1018.727	1018.607	1018.301	1017.929	1017.490
165.0	1013.646	1014.364	1014.950	1015.402	1015.774	1015.788	1015.535	1015.269	1014.777	1014.005
167.5	1009.324	1009.816	1010.255	1010.601	1010.654	1010.627	1010.534	1010.361	1010.122	1009.829
170.0	1004.709	1003.844	1003.911	1004.017	1004.070	1004.150	1004.177	1004.150	1004.070	1003.937
172.5	1000.665	1000.399	1000.094	999.774	999.429	999.109	998.365	998.404	997.766	997.420
175.0	996.090	995.798	995.492	995.146	994.787	994.414	994.002	993.577	993.124	992.659
177.5	991.515	991.555	991.608	991.661	991.715	991.768	991.821	991.874	991.927	991.981
180.0	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

**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	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739
2.5	992.034	992.087	992.153	992.207	992.260	992.313	992.380	992.433	992.486	992.539
5.0	992.167	991.794	991.768	991.741	991.834	992.180	992.060	992.167	992.273	992.380
7.5	997.021	996.582	996.090	995.558	994.973	994.348	994.122	994.614	994.614	994.907

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

10.0	1003.751	1003.498	1003.246	1002.514	1001.743	1000.905	1000.014	999.056	998.404	998.976
12.5	1009.177	1008.539	1007.901	1007.209	1006.464	1005.533	1004.230	1002.873	1001.477	1000.067
15.0	1013.167	1012.250	1011.345	1010.507	1009.616	1008.672	1007.688	1006.278	1004.602	1002.873
17.5	1016.998	1016.133	1014.883	1013.261	1011.798	1010.454	1009.058	1007.621	1005.852	1003.685
20.0	1018.461	1017.463	1016.413	1014.923	1013.114	1011.252	1009.630	1007.954	1006.225	1004.057
22.5	1019.458	1018.354	1017.144	1015.734	1014.005	1011.478	1008.872	1006.624	1004.363	1002.089
25.0	1019.206	1017.663	1015.827	1013.806	1011.744	1009.670	1006.863	1004.030	1001.490	998.950
27.5	1016.293	1015.109	1013.620	1011.545	1009.111	1006.557	1004.669	1000.493	997.154	994.069
30.0	1013.061	1011.385	1009.683	1007.754	1004.842	1001.783	998.697	995.505	991.715	988.150
32.5	1008.858	1006.571	1004.403	1002.222	1000.213	996.463	992.818	989.161	985.104	980.822
35.0	1002.461	1000.586	998.298	995.572	992.938	989.759	985.477	981.221	976.991	972.217
37.5	995.372	993.217	990.877	988.203	984.878	981.341	977.417	972.589	967.801	962.867
40.0	987.977	985.291	981.966	978.880	975.701	971.844	967.814	962.920	957.507	952.174
42.5	977.989	975.116	972.070	968.599	965.341	961.537	956.922	952.027	946.348	940.563
45.0	967.495	964.583	961.178	957.587	953.663	949.846	945.324	940.124	934.551	928.300
47.5	956.084	953.051	949.500	945.790	942.039	937.610	932.822	927.156	921.318	914.841
50.0	943.755	940.616	937.091	933.035	928.393	923.885	918.844	913.670	907.552	900.836
52.5	929.856	927.276	923.299	919.057	914.428	909.640	904.653	898.907	892.616	885.793
55.0	915.253	912.114	908.709	904.533	900.038	894.465	889.384	883.612	877.441	870.751
57.5	898.827	895.702	892.244	888.227	883.107	878.186	873.105	867.546	860.803	853.873
60.0	881.205	877.827	874.302	869.887	864.806	859.526	854.419	848.766	843.127	836.597
62.5	861.960	858.914	855.709	851.719	847.383	840.347	834.469	829.082	823.084	816.514
65.0	842.542	839.150	836.118	833.684	827.273	820.716	814.718	808.613	801.870	795.340
67.5	822.193	818.708	815.596	812.231	807.390	801.392	794.848	788.757	782.226	775.284
70.0	801.431	799.144	796.737	793.412	789.076	782.798	776.161	770.190	763.034	755.094
72.5	780.404	778.888	777.026	775.230	770.589	763.540	756.916	750.918	743.470	736.301
75.0	758.459	757.688	756.078	753.658	748.085	742.060	735.557	729.385	722.828	716.006
77.5	735.809	735.064	733.548	729.465	724.930	719.410	712.774	707.480	700.604	693.622
80.0	711.816	710.712	709.808	705.445	701.362	696.361	690.270	685.256	678.247	671.717
82.5	687.916	686.333	684.950	682.702	680.149	674.656	668.232	662.739	656.448	649.958
85.0	663.643	661.968	660.678	659.374	658.177	651.873	645.170	639.517	633.838	626.869
87.5	641.379	639.930	638.546	637.974	637.469	630.526	623.850	618.157	612.571	605.230
90.0	659.321	656.541	654.666	652.737	645.010	637.004	628.877	620.964	613.263	604.432
92.5	641.379	639.930	638.546	637.974	637.469	630.526	623.850	618.157	612.571	605.230
95.0	663.643	661.968	660.678	659.374	658.177	651.873	645.170	639.517	633.838	626.869
97.5	687.916	686.333	684.950	682.702	680.149	674.656	668.232	662.739	656.448	649.958
100.0	711.816	710.712	709.808	705.445	701.362	696.361	690.270	685.256	678.247	671.717
102.5	735.809	735.064	733.548	729.465	724.930	719.410	712.774	707.480	700.604	693.622
105.0	758.459	757.688	756.078	753.658	748.085	742.060	735.557	729.385	722.828	716.006
107.5	780.404	778.888	777.026	775.230	770.589	763.540	756.916	750.918	743.470	736.301
110.0	801.431	799.144	796.737	793.412	789.076	782.798	776.161	770.190	763.034	755.094
112.5	822.193	818.708	815.596	812.231	807.390	801.392	794.848	788.757	782.226	775.284
115.0	842.542	839.150	836.118	833.684	827.273	820.716	814.718	808.613	801.870	795.340
117.5	861.960	858.914	855.709	851.719	847.383	840.347	834.469	829.082	823.084	816.514
120.0	881.205	877.827	874.302	869.887	864.806	859.526	854.419	848.766	843.127	836.597
122.5	898.827	895.702	892.244	888.227	883.107	878.186	873.105	867.546	860.803	853.873
125.0	915.253	912.114	908.709	904.533	900.038	894.465	889.384	883.612	877.441	870.751
127.5	929.856	927.276	923.299	919.057	914.428	909.640	904.653	898.907	892.616	885.793
130.0	943.755	940.616	937.091	933.035	928.393	923.885	918.844	913.670	907.552	900.836
132.5	956.084	953.051	949.500	945.790	942.039	937.610	932.822	927.156	921.318	914.841
135.0	967.495	964.583	961.178	957.587	953.663	949.846	945.324	940.124	934.551	928.300
137.5	977.989	975.116	972.070	968.599	965.341	961.537	956.922	952.027	946.348	940.563
140.0	987.977	985.291	981.966	978.880	975.701	971.844	967.814	962.920	957.507	952.174
142.5	995.372	993.217	990.877	988.203	984.878	981.341	977.417	972.589	967.801	962.867
145.0	1002.461	1000.586	998.298	995.572	992.938	989.759	985.477	981.221	976.991	972.217
147.5	1008.858	1006.571	1004.403	1002.222	1000.213	996.463	992.818	989.161	985.104	980.822

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>150.0</b>	1013.061	1011.385	1009.683	1007.754	1004.842	1001.783	998.697	995.505	991.715	988.150
<b>152.5</b>	1016.293	1015.109	1013.620	1011.545	1009.111	1006.557	1004.669	1000.493	997.154	994.069
<b>155.0</b>	1019.206	1017.663	1015.827	1013.806	1011.744	1009.670	1006.863	1004.030	1001.490	998.950
<b>157.5</b>	1019.458	1018.354	1017.144	1015.734	1014.005	1011.478	1008.872	1006.624	1004.363	1002.089
<b>160.0</b>	1018.461	1017.463	1016.413	1014.923	1013.114	1011.252	1009.630	1007.954	1006.225	1004.057
<b>162.5</b>	1016.998	1016.133	1014.883	1013.261	1011.798	1010.454	1009.058	1007.621	1005.852	1003.685
<b>165.0</b>	1013.167	1012.250	1011.345	1010.507	1009.616	1008.672	1007.688	1006.278	1004.602	1002.873
<b>167.5</b>	1009.177	1008.539	1007.901	1007.209	1006.464	1005.533	1004.230	1002.873	1001.477	1000.067
<b>170.0</b>	1003.751	1003.498	1003.246	1002.514	1001.743	1000.905	1000.014	999.056	998.404	998.976
<b>172.5</b>	997.021	996.582	996.090	995.558	994.973	994.348	994.122	994.614	994.614	994.907
<b>175.0</b>	992.167	991.794	991.768	991.741	991.834	992.180	992.060	992.167	992.273	992.380
<b>177.5</b>	992.034	992.087	992.153	992.207	992.260	992.313	992.380	992.433	992.486	992.539
<b>180.0</b>	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739	992.739

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

	<u><b>350.0</b></u>	<u><b>352.5</b></u>	<u><b>355.0</b></u>	<u><b>357.5</b></u>	<u><b>360.0</b></u>
<b>0.0</b>	992.739	992.739	992.739	992.739	992.739
<b>2.5</b>	992.606	992.659	992.712	992.792	992.818
<b>5.0</b>	992.499	992.606	992.712	992.818	992.912
<b>7.5</b>	995.186	995.425	995.651	995.838	995.997
<b>10.0</b>	998.976	999.256	999.522	999.761	999.987
<b>12.5</b>	1000.133	1000.466	1000.759	1001.038	1001.291
<b>15.0</b>	1001.304	1001.557	1001.916	1002.660	1002.900
<b>17.5</b>	1001.490	1000.386	1000.745	1001.091	1001.437
<b>20.0</b>	1001.530	999.030	999.362	999.814	1000.280
<b>22.5</b>	999.109	996.037	995.173	995.545	995.944
<b>25.0</b>	996.117	992.659	990.624	991.036	991.515
<b>27.5</b>	991.010	987.139	983.801	984.173	984.599
<b>30.0</b>	984.799	980.981	976.819	976.858	977.351
<b>32.5</b>	976.885	972.882	968.200	967.296	967.721
<b>35.0</b>	967.987	963.838	958.770	957.201	957.706
<b>37.5</b>	957.986	953.264	947.944	945.470	945.936
<b>40.0</b>	946.800	941.680	936.227	932.942	933.500
<b>42.5</b>	934.924	929.351	923.658	919.429	919.948
<b>45.0</b>	922.448	916.383	910.518	905.437	906.036
<b>47.5</b>	908.430	902.126	895.861	890.103	890.701
<b>50.0</b>	893.720	887.177	880.473	874.435	874.528
<b>52.5</b>	878.412	871.682	864.793	858.329	857.784
<b>55.0</b>	862.811	855.562	848.088	841.558	840.507
<b>57.5</b>	846.119	838.645	830.785	824.002	822.445
<b>60.0</b>	828.763	820.943	812.869	805.754	803.639
<b>62.5</b>	809.411	802.030	793.850	786.589	783.796
<b>65.0</b>	788.850	782.825	774.472	766.984	763.487
<b>67.5</b>	767.556	761.452	754.496	747.327	743.310
<b>70.0</b>	746.955	740.079	733.695	727.337	722.775
<b>72.5</b>	727.417	718.439	710.845	705.778	701.189
<b>75.0</b>	706.735	697.585	688.621	683.381	679.284
<b>77.5</b>	685.602	676.957	666.450	659.175	655.743
<b>80.0</b>	663.218	654.679	645.050	635.634	632.043
<b>82.5</b>	641.459	633.825	623.584	614.181	608.369
<b>85.0</b>	618.969	610.776	600.854	592.781	584.801
<b>87.5</b>	597.396	589.483	580.572	572.206	563.335
<b>90.0</b>	595.627	585.040	575.371	564.399	566.035
<b>92.5</b>	597.396	589.483	580.572	572.206	563.335
<b>95.0</b>	618.969	610.776	600.854	592.781	584.801

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-24-LED4-SO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

<b>97.5</b>	641.459	633.825	623.584	614.181	608.369
<b>100.0</b>	663.218	654.679	645.050	635.634	632.043
<b>102.5</b>	685.602	676.957	666.450	659.175	655.743
<b>105.0</b>	706.722	697.585	688.621	683.381	679.284
<b>107.5</b>	727.417	718.439	710.845	705.778	701.189
<b>110.0</b>	746.955	740.079	733.695	727.337	722.775
<b>112.5</b>	767.556	761.452	754.496	747.327	743.310
<b>115.0</b>	788.850	782.825	774.472	766.984	763.487
<b>117.5</b>	809.411	802.030	793.850	786.589	783.796
<b>120.0</b>	828.763	820.943	812.869	805.754	803.639
<b>122.5</b>	846.119	838.645	830.785	824.002	822.445
<b>125.0</b>	862.811	855.562	848.088	841.558	840.507
<b>127.5</b>	878.412	871.682	864.793	858.329	857.784
<b>130.0</b>	893.720	887.177	880.473	874.435	874.528
<b>132.5</b>	908.430	902.126	895.861	890.103	890.701
<b>135.0</b>	922.448	916.383	910.518	905.437	906.036
<b>137.5</b>	934.924	929.351	923.658	919.429	919.948
<b>140.0</b>	946.800	941.680	936.227	932.942	933.500
<b>142.5</b>	957.986	953.264	947.944	945.470	945.936
<b>145.0</b>	967.987	963.838	958.770	957.201	957.706
<b>147.5</b>	976.885	972.882	968.200	967.296	967.721
<b>150.0</b>	984.799	980.981	976.819	976.858	977.351
<b>152.5</b>	991.010	987.139	983.801	984.173	984.599
<b>155.0</b>	996.117	992.659	990.624	991.036	991.515
<b>157.5</b>	999.109	996.037	995.173	995.545	995.944
<b>160.0</b>	1001.530	999.030	999.362	999.814	1000.280
<b>162.5</b>	1001.490	1000.386	1000.745	1001.091	1001.437
<b>165.0</b>	1001.304	1001.557	1001.916	1002.660	1002.900
<b>167.5</b>	1000.133	1000.466	1000.759	1001.038	1001.291
<b>170.0</b>	998.976	999.256	999.522	999.761	999.987
<b>172.5</b>	995.186	995.425	995.651	995.838	995.997
<b>175.0</b>	992.499	992.606	992.712	992.818	992.912
<b>177.5</b>	992.606	992.659	992.712	992.792	992.818
<b>180.0</b>	992.739	992.739	992.739	992.739	992.739

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-24-LED4-SO-SAL.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	381.51	N.A.	3.60
0-30	848.15	N.A.	8.00
0-40	1467.78	N.A.	13.90
0-60	2998.52	N.A.	28.30
0-80	4585.37	N.A.	43.30
0-90	5291.59	N.A.	50.00
10-90	5196.37	N.A.	49.10
20-40	1086.27	N.A.	10.30
20-50	1818.9	N.A.	17.20
40-70	2341.38	N.A.	22.10
60-80	1586.85	N.A.	15.00
70-80	776.21	N.A.	7.30
80-90	706.22	N.A.	6.70
90-110	1482.43	N.A.	14.00
90-120	2293.07	N.A.	21.70
90-130	3091.18	N.A.	29.20
90-150	4443.44	N.A.	42.00
90-180	5291.59	N.A.	50.00
110-180	3809.16	N.A.	36.00
0-180	10583.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	95.22
10-20	286.28
20-30	466.64
30-40	619.63
40-50	732.63
50-60	798.11
60-70	810.64
70-80	776.21
80-90	706.22
90-100	706.22
100-110	776.21
110-120	810.64
120-130	798.11
130-140	732.63
140-150	619.63
150-160	466.64
160-170	286.28
170-180	95.22

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-24-LED4-SO-SAL.IES**

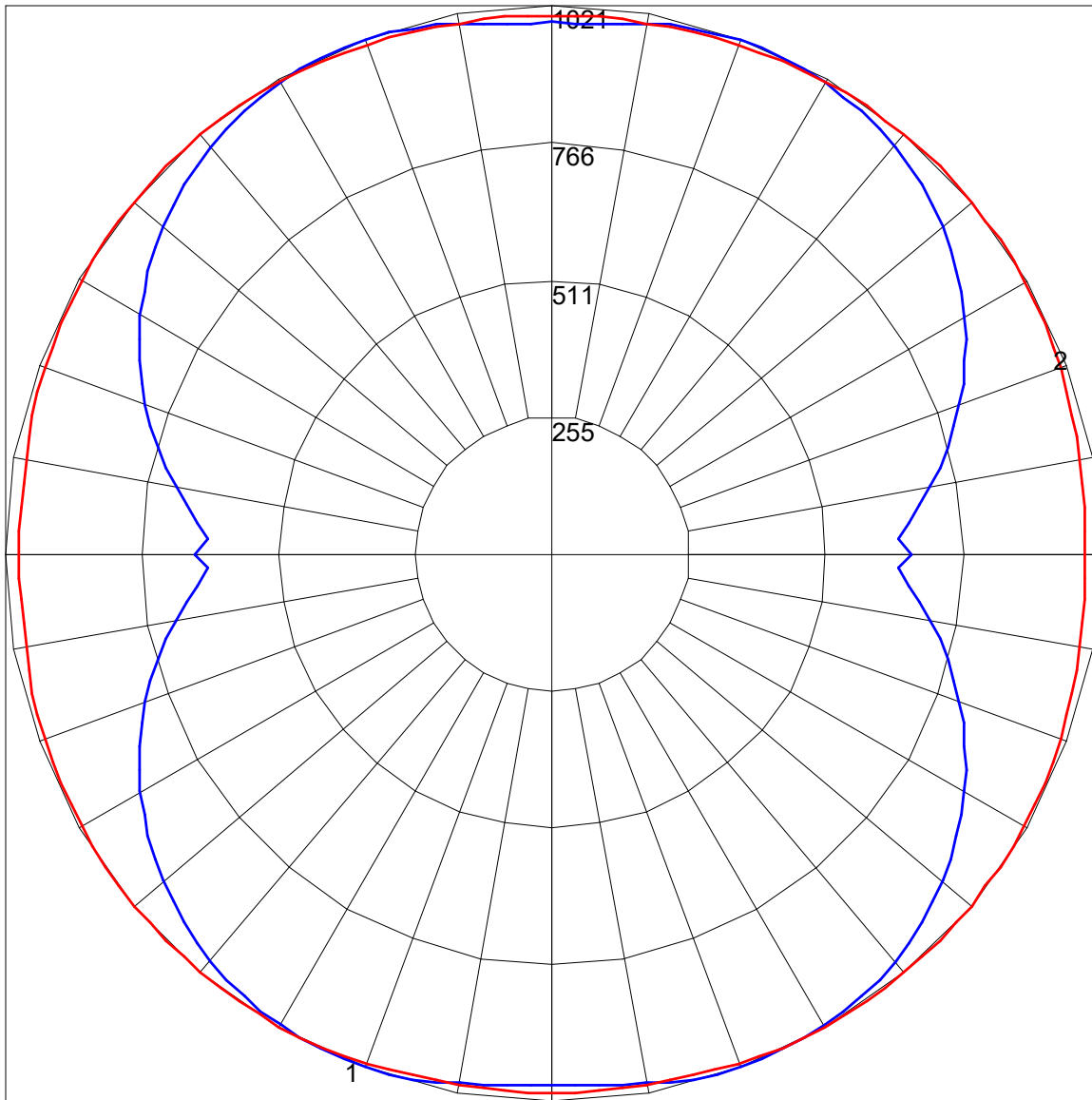
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	45	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	25	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 = 1021.427 Located At Horizontal Angle = 132.5, Vertical Angle = 22.5  
# 1 - Vertical Plane Through Horizontal Angles (132.5 - 312.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (22.5) (Through Max. Cd.)