



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 5-18-2018

[TESTLAB] LIGHT LABORATORY, INC.

[ISSUE DATE] 2/23/2015

[MANUFAC] PRUDENTIAL LTG.

[LUMCAT] ZIS-14-LED4-LO-04-SAL

[LUMINAIRE] 1-3/4"L. X 48-1/4"W. X 3"H. LED LINEAR DIRECT LUMINAIRE DIFFUSED LENS

[LAMP CAT] N/A

[BALLAST] INPUT: 120-277VAC, 0.31-0.15A, 50/60HZ OUTPUT: 350-1050mA, 10-55VDC, 30W

[\_AGI32] File was generated from AGI32

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4748
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	42
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)	4.15 ft
Luminous Width (90-270)	1.14 ft
Luminous Height	0.14 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1257	1263	1178
55	1420	1414	1289
65	1714	1659	1479
75	2377	2132	1860
85	4951	3473	2873

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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>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
<b>2.5</b>	440.808	440.784	440.760	440.736	440.712	440.682	440.658	440.634	440.610	440.580
<b>5.0</b>	440.886	440.838	440.790	440.742	440.694	440.646	440.598	440.778	440.976	441.324
<b>7.5</b>	442.308	442.230	442.146	442.050	441.936	442.200	442.452	442.686	442.908	443.112
<b>10.0</b>	444.156	444.060	443.952	443.838	444.240	444.810	444.948	445.272	445.572	445.902
<b>12.5</b>	444.882	444.762	444.636	444.912	445.422	445.920	446.406	446.892	447.504	448.098
<b>15.0</b>	445.770	445.668	445.344	445.944	446.556	447.144	447.774	448.530	449.160	449.610
<b>17.5</b>	445.224	445.068	445.212	445.980	446.730	447.492	448.470	449.262	449.916	450.594
<b>20.0</b>	444.822	444.618	445.020	445.896	446.760	447.792	448.770	449.556	450.378	451.230
<b>22.5</b>	443.082	442.902	443.604	444.648	445.728	447.066	448.092	449.172	450.318	451.458
<b>25.0</b>	441.252	441.060	442.038	443.196	444.534	445.818	447.072	448.248	449.514	450.762
<b>27.5</b>	438.342	438.144	439.446	440.796	442.416	443.802	445.284	446.832	448.350	449.520
<b>30.0</b>	435.234	435.168	436.626	438.270	439.806	441.402	443.028	444.726	446.154	447.552
<b>32.5</b>	431.130	431.238	432.870	434.628	436.440	438.294	440.292	442.032	443.688	445.368
<b>35.0</b>	426.804	427.068	428.838	430.740	432.618	434.682	436.764	438.642	440.574	442.530
<b>37.5</b>	421.752	422.184	424.116	426.168	428.334	430.674	432.762	434.934	437.124	438.954
<b>40.0</b>	416.358	416.940	418.986	421.140	423.510	426.030	428.298	430.758	432.984	434.922
<b>42.5</b>	410.502	411.264	413.472	415.782	418.410	420.942	423.468	426.048	428.304	430.476
<b>45.0</b>	404.436	405.366	407.706	410.142	413.022	415.572	418.368	420.894	423.456	425.352
<b>47.5</b>	397.776	398.874	401.256	403.914	406.896	409.656	412.590	415.236	417.810	419.982
<b>50.0</b>	390.702	392.016	394.470	397.368	400.464	403.530	406.572	409.332	411.690	413.958
<b>52.5</b>	383.400	384.936	387.558	390.606	393.750	396.924	400.002	402.858	405.474	407.724
<b>55.0</b>	375.828	377.556	380.196	383.568	386.904	390.162	393.348	396.132	398.736	401.052
<b>57.5</b>	367.932	369.822	372.648	376.152	379.554	382.908	386.028	389.052	391.560	393.858
<b>60.0</b>	359.676	361.770	364.644	368.370	371.886	375.294	378.240	380.760	383.310	385.560
<b>62.5</b>	350.976	353.292	356.250	360.024	363.336	366.414	369.384	372.072	374.478	377.088
<b>65.0</b>	342.048	344.622	347.694	351.540	354.216	357.042	360.006	363.006	365.772	368.418
<b>67.5</b>	333.192	335.910	338.868	342.066	344.760	348.186	351.324	354.228	356.994	359.874
<b>70.0</b>	324.162	327.048	329.658	332.598	335.622	339.258	342.780	346.026	348.744	351.666
<b>72.5</b>	314.664	317.478	319.530	323.004	327.114	330.960	334.194	337.512	340.236	343.158
<b>75.0</b>	305.016	307.512	309.684	313.764	317.802	321.990	325.044	327.978	330.636	333.648
<b>77.5</b>	294.630	296.730	299.856	304.620	308.442	312.060	315.396	318.270	320.658	323.616
<b>80.0</b>	284.172	286.248	290.364	294.726	298.518	302.352	305.268	308.418	310.938	313.404
<b>82.5</b>	273.738	276.702	280.848	285.474	288.870	292.704	295.608	298.440	300.918	303.798
<b>85.0</b>	263.340	267.180	270.750	275.238	278.892	282.456	285.582	288.150	290.676	293.706
<b>87.5</b>	253.896	258.018	261.762	265.776	269.328	272.862	276.168	278.694	281.250	284.262
<b>90.0</b>	249.834	251.316	256.152	260.298	264.600	268.776	272.766	276.264	279.498	283.134
<b>92.5</b>	253.896	258.018	261.762	265.776	269.328	272.862	276.168	278.694	281.250	284.262
<b>95.0</b>	263.340	267.180	270.750	275.238	278.892	282.456	285.582	288.150	290.676	293.706
<b>97.5</b>	273.738	276.702	280.848	285.474	288.870	292.704	295.608	298.440	300.918	303.798
<b>100.0</b>	284.172	286.248	290.364	294.726	298.518	302.352	305.268	308.418	310.938	313.404
<b>102.5</b>	294.630	296.730	299.856	304.620	308.442	312.060	315.396	318.270	320.658	323.616
<b>105.0</b>	305.016	307.512	309.684	313.764	317.802	321.990	325.044	327.978	330.636	333.648
<b>107.5</b>	314.664	317.478	319.530	323.004	327.114	330.960	334.194	337.512	340.236	343.158
<b>110.0</b>	324.162	327.048	329.658	332.598	335.622	339.258	342.780	346.026	348.744	351.666
<b>112.5</b>	333.192	335.910	338.868	342.066	344.760	348.186	351.324	354.222	356.994	359.874
<b>115.0</b>	342.048	344.622	347.694	351.540	354.216	357.042	360.006	363.006	365.772	368.418
<b>117.5</b>	350.976	353.298	356.250	360.024	363.336	366.414	369.384	372.072	374.478	377.088
<b>120.0</b>	359.676	361.770	364.644	368.370	371.886	375.294	378.240	380.760	383.310	385.560
<b>122.5</b>	367.932	369.822	372.648	376.152	379.554	382.908	386.028	389.052	391.560	393.858
<b>125.0</b>	375.828	377.556	380.196	383.568	386.904	390.162	393.348	396.132	398.736	401.052
<b>127.5</b>	383.400	384.936	387.558	390.606	393.750	396.924	400.002	402.858	405.474	407.724
<b>130.0</b>	390.702	392.016	394.470	397.368	400.464	403.530	406.572	409.332	411.690	413.958
<b>132.5</b>	397.776	398.874	401.256	403.914	406.896	409.656	412.590	415.236	417.810	419.982

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	404.436	405.366	407.706	410.142	413.022	415.572	418.368	420.894	423.456	425.352
<b>137.5</b>	410.502	411.264	413.472	415.782	418.410	420.942	423.468	426.048	428.304	430.476
<b>140.0</b>	416.358	416.940	418.986	421.140	423.510	426.030	428.298	430.758	432.984	434.922
<b>142.5</b>	421.752	422.184	424.116	426.168	428.334	430.674	432.762	434.934	437.124	438.954
<b>145.0</b>	426.804	427.068	428.838	430.740	432.618	434.682	436.764	438.642	440.574	442.530
<b>147.5</b>	431.130	431.238	432.870	434.628	436.440	438.294	440.292	442.032	443.688	445.368
<b>150.0</b>	435.234	435.168	436.626	438.270	439.806	441.402	443.028	444.726	446.154	447.552
<b>152.5</b>	438.342	438.144	439.446	440.796	442.416	443.802	445.284	446.832	448.350	449.520
<b>155.0</b>	441.252	441.060	442.038	443.196	444.534	445.818	447.072	448.248	449.514	450.762
<b>157.5</b>	443.082	442.902	443.604	444.648	445.728	447.066	448.092	449.172	450.318	451.458
<b>160.0</b>	444.822	444.618	445.020	445.896	446.760	447.792	448.770	449.556	450.378	451.230
<b>162.5</b>	445.224	445.068	445.212	445.980	446.730	447.492	448.470	449.262	449.916	450.594
<b>165.0</b>	445.770	445.668	445.344	445.944	446.556	447.144	447.774	448.530	449.160	449.610
<b>167.5</b>	444.882	444.762	444.636	444.912	445.422	445.920	446.406	446.892	447.504	448.098
<b>170.0</b>	444.156	444.060	443.952	443.838	444.240	444.810	444.948	445.272	445.572	445.902
<b>172.5</b>	442.308	442.230	442.146	442.050	441.936	442.200	442.452	442.686	442.908	443.112
<b>175.0</b>	440.886	440.838	440.790	440.742	440.694	440.646	440.598	440.778	440.976	441.324
<b>177.5</b>	440.808	440.784	440.760	440.736	440.712	440.682	440.658	440.634	440.610	440.580
<b>180.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>25.0</u></b>	<b><u>27.5</u></b>	<b><u>30.0</u></b>	<b><u>32.5</u></b>	<b><u>35.0</u></b>	<b><u>37.5</u></b>	<b><u>40.0</u></b>	<b><u>42.5</u></b>	<b><u>45.0</u></b>	<b><u>47.5</u></b>
<b>0.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
<b>2.5</b>	440.556	440.532	440.502	440.544	440.592	440.676	440.754	440.826	440.898	440.964
<b>5.0</b>	441.366	441.552	441.732	441.906	442.080	442.242	442.398	442.548	442.938	442.842
<b>7.5</b>	443.298	443.466	443.652	443.868	444.072	444.246	444.402	444.666	444.678	445.002
<b>10.0</b>	446.280	446.634	446.970	447.072	447.180	447.264	447.342	447.426	447.486	447.516
<b>12.5</b>	448.512	448.848	449.160	449.508	449.856	450.204	450.348	450.456	450.528	450.576
<b>15.0</b>	450.054	450.522	450.984	451.410	451.812	452.196	452.544	452.772	452.892	453.018
<b>17.5</b>	451.296	451.980	452.892	453.252	453.642	453.876	454.080	454.278	454.452	454.596
<b>20.0</b>	452.052	452.856	453.522	454.002	454.554	454.914	455.388	455.790	455.928	456.000
<b>22.5</b>	452.592	453.366	454.008	454.584	455.142	455.664	456.054	456.144	456.174	456.180
<b>25.0</b>	451.710	452.730	453.612	454.560	455.388	455.754	455.970	456.042	456.078	456.078
<b>27.5</b>	450.684	451.842	452.910	453.678	454.218	454.740	455.232	455.586	455.826	455.652
<b>30.0</b>	448.986	450.414	451.368	452.154	452.916	453.558	453.966	454.176	454.470	454.434
<b>32.5</b>	447.120	448.146	449.148	450.132	451.194	451.512	451.962	452.400	452.670	452.844
<b>35.0</b>	444.120	445.296	446.544	447.588	448.392	449.082	449.934	450.138	450.516	450.492
<b>37.5</b>	440.598	442.128	443.346	444.348	445.350	446.364	446.952	447.462	447.660	447.750
<b>40.0</b>	436.674	438.096	439.434	440.934	442.158	442.950	443.634	444.186	444.576	444.672
<b>42.5</b>	432.186	433.656	435.126	436.524	437.844	439.122	440.202	440.418	440.736	440.910
<b>45.0</b>	427.068	428.826	430.398	431.958	433.350	434.364	435.288	436.116	436.608	436.470
<b>47.5</b>	421.986	423.624	425.316	426.948	428.412	429.420	430.554	430.926	431.190	431.304
<b>50.0</b>	415.956	418.056	419.910	421.536	422.988	424.068	424.746	425.238	425.664	425.730
<b>52.5</b>	409.806	411.924	413.874	415.704	416.868	417.978	419.028	419.328	419.658	419.778
<b>55.0</b>	403.524	405.558	407.460	409.014	410.448	411.450	412.320	413.106	413.490	413.394
<b>57.5</b>	396.060	398.394	400.206	401.772	403.230	404.574	405.516	406.170	406.398	406.392
<b>60.0</b>	387.972	390.300	392.322	393.888	395.478	396.792	397.788	398.460	398.844	398.772
<b>62.5</b>	380.310	382.260	384.066	385.548	387.000	388.320	389.580	390.180	390.534	390.606
<b>65.0</b>	371.400	374.292	375.408	376.818	378.354	379.644	380.898	381.480	381.810	381.918
<b>67.5</b>	362.604	364.800	366.342	367.764	369.330	370.536	371.670	372.378	372.594	372.894
<b>70.0</b>	354.522	356.454	357.984	359.124	360.132	361.230	362.340	363.300	363.306	363.630
<b>72.5</b>	346.368	348.408	349.254	350.136	350.850	351.732	352.572	353.310	353.496	353.580
<b>75.0</b>	336.378	338.844	339.960	340.788	341.154	341.844	342.576	343.056	343.266	343.308
<b>77.5</b>	325.788	328.122	329.976	330.768	331.128	331.854	332.478	332.868	333.144	333.102
<b>80.0</b>	315.666	317.496	319.158	319.932	320.454	320.958	321.600	322.170	322.656	322.374

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<b>82.5</b>	306.492	307.428	308.460	309.096	309.654	310.038	310.428	310.998	311.676	311.214
<b>85.0</b>	296.550	297.096	297.768	298.278	299.232	299.430	300.270	300.804	301.668	300.972
<b>87.5</b>	287.394	287.628	287.886	288.516	289.170	289.722	290.268	291.282	292.350	291.378
<b>90.0</b>	286.854	290.412	291.378	292.338	293.646	295.038	296.250	297.606	298.620	299.016
<b>92.5</b>	287.394	287.628	287.886	288.516	289.170	289.722	290.268	291.282	292.350	291.378
<b>95.0</b>	296.550	297.096	297.768	298.278	299.232	299.430	300.270	300.804	301.668	300.972
<b>97.5</b>	306.492	307.428	308.460	309.096	309.654	310.038	310.428	310.998	311.676	311.214
<b>100.0</b>	315.666	317.496	319.158	319.932	320.454	320.958	321.600	322.170	322.656	322.374
<b>102.5</b>	325.788	328.122	329.976	330.768	331.128	331.854	332.478	332.868	333.144	333.102
<b>105.0</b>	336.378	338.844	339.960	340.788	341.154	341.844	342.570	343.056	343.266	343.308
<b>107.5</b>	346.368	348.408	349.254	350.136	350.850	351.732	352.572	353.310	353.496	353.580
<b>110.0</b>	354.522	356.454	357.984	359.124	360.132	361.230	362.340	363.300	363.306	363.630
<b>112.5</b>	362.604	364.800	366.342	367.764	369.330	370.536	371.670	372.378	372.594	372.894
<b>115.0</b>	371.400	374.292	375.408	376.818	378.354	379.644	380.898	381.480	381.810	381.918
<b>117.5</b>	380.310	382.260	384.066	385.548	387.000	388.320	389.580	390.180	390.534	390.606
<b>120.0</b>	387.972	390.300	392.322	393.888	395.478	396.792	397.788	398.460	398.844	398.772
<b>122.5</b>	396.060	398.394	400.206	401.772	403.230	404.574	405.516	406.170	406.398	406.392
<b>125.0</b>	403.524	405.558	407.460	409.014	410.448	411.450	412.320	413.106	413.490	413.394
<b>127.5</b>	409.806	411.924	413.874	415.704	416.868	417.978	419.028	419.328	419.658	419.778
<b>130.0</b>	415.956	418.056	419.910	421.536	422.988	424.068	424.746	425.238	425.664	425.730
<b>132.5</b>	421.986	423.624	425.316	426.948	428.412	429.420	430.554	430.926	431.190	431.304
<b>135.0</b>	427.068	428.826	430.398	431.958	433.350	434.364	435.288	436.116	436.608	436.470
<b>137.5</b>	432.186	433.656	435.126	436.524	437.844	439.122	440.202	440.418	440.736	440.910
<b>140.0</b>	436.674	438.096	439.434	440.934	442.158	442.950	443.634	444.186	444.576	444.672
<b>142.5</b>	440.598	442.128	443.346	444.348	445.350	446.364	446.952	447.462	447.660	447.750
<b>145.0</b>	444.120	445.296	446.544	447.588	448.392	449.082	449.934	450.138	450.516	450.492
<b>147.5</b>	447.120	448.146	449.148	450.132	451.194	451.512	451.962	452.400	452.670	452.844
<b>150.0</b>	448.986	450.414	451.368	452.154	452.916	453.558	453.966	454.176	454.470	454.434
<b>152.5</b>	450.684	451.842	452.910	453.678	454.218	454.740	455.232	455.586	455.826	455.652
<b>155.0</b>	451.710	452.730	453.612	454.560	455.388	455.754	455.970	456.042	456.078	456.078
<b>157.5</b>	452.592	453.366	454.008	454.584	455.142	455.664	456.054	456.144	456.174	456.180
<b>160.0</b>	452.052	452.856	453.522	454.002	454.554	454.914	455.388	455.790	455.928	456.000
<b>162.5</b>	451.296	451.980	452.892	453.252	453.642	453.876	454.080	454.278	454.452	454.596
<b>165.0</b>	450.054	450.522	450.984	451.410	451.812	452.196	452.544	452.772	452.892	453.018
<b>167.5</b>	448.512	448.848	449.160	449.508	449.856	450.204	450.348	450.456	450.528	450.576
<b>170.0</b>	446.280	446.634	446.970	447.072	447.180	447.264	447.342	447.426	447.486	447.516
<b>172.5</b>	443.298	443.466	443.646	443.868	444.072	444.246	444.402	444.666	444.678	445.002
<b>175.0</b>	441.366	441.552	441.732	441.906	442.080	442.242	442.398	442.548	442.938	442.842
<b>177.5</b>	440.556	440.532	440.502	440.544	440.592	440.676	440.754	440.826	440.898	440.964
<b>180.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

**Vert.  
Angles**

**Horizontal Angles**

	<u><b>50.0</b></u>	<u><b>52.5</b></u>	<u><b>55.0</b></u>	<u><b>57.5</b></u>	<u><b>60.0</b></u>	<u><b>62.5</b></u>	<u><b>65.0</b></u>	<u><b>67.5</b></u>	<u><b>70.0</b></u>	<u><b>72.5</b></u>
<b>0.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
<b>2.5</b>	441.024	441.084	441.138	441.192	441.234	441.276	441.312	441.348	441.378	441.396
<b>5.0</b>	443.016	443.178	443.334	443.472	443.604	443.718	443.826	443.916	444.000	444.066
<b>7.5</b>	445.152	445.314	445.458	445.620	445.746	445.884	446.004	446.112	446.208	446.286
<b>10.0</b>	447.522	447.504	447.456	447.444	447.858	448.002	448.176	448.326	448.458	448.566
<b>12.5</b>	450.588	450.570	450.408	450.210	449.988	449.742	449.652	449.934	449.964	450.042
<b>15.0</b>	453.012	452.862	452.682	452.466	452.220	451.932	451.614	451.236	451.068	451.212
<b>17.5</b>	454.710	454.770	454.932	454.500	454.014	453.456	452.880	452.274	451.650	451.062
<b>20.0</b>	455.766	455.550	455.394	455.040	454.746	454.224	453.564	452.880	452.256	451.422
<b>22.5</b>	456.174	455.934	455.664	455.364	455.028	454.596	453.972	453.060	452.124	451.176
<b>25.0</b>	456.048	455.916	455.664	455.130	454.572	453.996	453.402	452.700	451.692	450.876
<b>27.5</b>	455.376	455.070	454.740	454.440	454.020	453.342	452.508	451.572	450.642	449.304

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

30.0	454.464	454.254	453.768	453.072	452.418	451.764	450.780	449.766	448.638	447.504
32.5	452.700	452.382	452.124	451.290	450.516	449.790	449.124	447.690	446.298	444.780
35.0	450.468	450.114	449.742	449.430	448.248	447.090	445.986	444.882	443.328	441.684
37.5	447.696	447.564	446.868	446.082	445.230	444.198	442.956	441.618	440.058	438.102
40.0	444.444	444.072	443.682	442.890	441.720	440.418	438.984	437.400	435.834	434.058
42.5	441.000	440.226	439.494	438.888	437.472	436.032	434.592	433.140	431.364	429.468
45.0	436.146	435.858	434.928	433.914	432.744	431.472	429.804	428.214	426.288	424.170
47.5	431.460	430.788	429.870	428.976	427.896	426.300	424.776	422.868	421.032	418.698
50.0	425.544	425.292	424.716	423.600	422.256	420.708	419.010	417.042	414.888	412.704
52.5	419.682	419.274	418.818	417.666	416.232	414.720	412.836	410.718	408.588	406.308
55.0	413.172	412.716	411.900	410.898	409.824	407.964	406.086	404.112	401.916	399.450
57.5	406.338	405.456	404.526	403.554	402.096	400.536	398.718	396.684	394.338	392.196
60.0	398.286	397.596	396.702	395.496	394.104	392.454	390.492	388.326	386.142	383.862
62.5	390.006	389.250	388.200	387.072	385.782	384.354	382.512	379.986	377.364	375.048
65.0	381.474	380.604	379.584	378.354	377.244	376.242	374.142	371.412	368.586	366.078
67.5	372.582	371.670	370.692	369.438	368.196	367.086	365.340	362.754	359.838	357.252
70.0	363.426	362.490	361.512	360.672	359.760	358.524	356.814	354.408	351.468	348.816
72.5	353.430	352.776	352.008	351.456	350.886	350.214	348.816	345.654	342.720	340.158
75.0	343.194	342.756	342.072	341.940	341.484	340.578	338.562	335.928	332.946	330.228
77.5	332.958	332.556	331.800	331.722	331.248	329.820	327.618	325.332	322.656	320.214
80.0	321.984	321.564	321.102	320.796	320.166	318.798	317.070	314.970	312.330	310.140
82.5	310.764	310.512	310.200	309.792	309.228	308.346	307.284	305.028	302.196	299.736
85.0	300.198	299.730	299.298	298.740	298.218	297.678	297.198	294.540	291.564	288.996
87.5	290.478	289.866	289.506	288.744	288.342	287.910	287.946	284.682	281.562	279.114
90.0	298.968	298.464	297.930	297.318	296.814	296.634	295.728	292.506	289.536	286.176
92.5	290.478	289.866	289.506	288.744	288.342	287.910	287.946	284.682	281.562	279.114
95.0	300.198	299.730	299.298	298.740	298.218	297.678	297.198	294.540	291.564	288.996
97.5	310.764	310.512	310.200	309.792	309.228	308.346	307.284	305.028	302.196	299.736
100.0	321.984	321.564	321.102	320.796	320.166	318.798	317.070	314.970	312.330	310.140
102.5	332.958	332.556	331.800	331.722	331.248	329.820	327.618	325.332	322.656	320.214
105.0	343.194	342.756	342.072	341.940	341.484	340.578	338.562	335.928	332.946	330.228
107.5	353.430	352.776	352.008	351.456	350.886	350.214	348.816	345.654	342.720	340.158
110.0	363.426	362.490	361.512	360.672	359.760	358.524	356.814	354.408	351.468	348.816
112.5	372.582	371.670	370.692	369.438	368.196	367.086	365.340	362.754	359.838	357.252
115.0	381.474	380.604	379.584	378.354	377.244	376.242	374.142	371.412	368.586	366.078
117.5	390.006	389.250	388.200	387.072	385.782	384.354	382.512	379.986	377.364	375.048
120.0	398.286	397.596	396.702	395.496	394.104	392.454	390.492	388.326	386.142	383.862
122.5	406.338	405.456	404.526	403.554	402.096	400.536	398.718	396.684	394.338	392.196
125.0	413.172	412.716	411.900	410.898	409.824	407.964	406.086	404.112	401.916	399.450
127.5	419.682	419.274	418.818	417.666	416.232	414.720	412.836	410.718	408.588	406.308
130.0	425.544	425.292	424.716	423.600	422.256	420.708	419.010	417.042	414.888	412.704
132.5	431.460	430.788	429.870	428.976	427.896	426.300	424.776	422.868	421.032	418.698
135.0	436.146	435.858	434.928	433.914	432.744	431.472	429.804	428.214	426.288	424.170
137.5	441.000	440.226	439.494	438.888	437.472	436.032	434.592	433.140	431.364	429.468
140.0	444.444	444.072	443.682	442.890	441.720	440.418	438.984	437.400	435.834	434.058
142.5	447.696	447.564	446.868	446.082	445.230	444.198	442.956	441.618	440.058	438.102
145.0	450.468	450.114	449.742	449.430	448.248	447.090	445.986	444.882	443.328	441.684
147.5	452.700	452.382	452.124	451.290	450.516	449.790	449.124	447.690	446.298	444.780
150.0	454.464	454.254	453.768	453.072	452.418	451.764	450.780	449.766	448.638	447.504
152.5	455.376	455.070	454.740	454.440	454.020	453.342	452.508	451.572	450.642	449.304
155.0	456.048	455.916	455.664	455.130	454.572	453.996	453.402	452.700	451.692	450.876
157.5	456.174	455.934	455.664	455.364	455.028	454.596	453.972	453.060	452.124	451.176
160.0	455.766	455.550	455.394	455.040	454.746	454.224	453.564	452.880	452.256	451.422
162.5	454.710	454.770	454.932	454.500	454.014	453.456	452.880	452.274	451.650	451.062
165.0	453.012	452.862	452.682	452.466	452.220	451.932	451.614	451.236	451.068	451.212
167.5	450.588	450.570	450.408	450.210	449.988	449.742	449.652	449.934	449.964	450.042

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

<b>170.0</b>	447.522	447.504	447.456	447.444	447.858	448.002	448.176	448.326	448.458	448.566
<b>172.5</b>	445.152	445.314	445.458	445.620	445.746	445.884	446.004	446.112	446.208	446.286
<b>175.0</b>	443.016	443.178	443.334	443.472	443.604	443.718	443.826	443.916	444.000	444.066
<b>177.5</b>	441.024	441.084	441.138	441.192	441.234	441.276	441.312	441.348	441.378	441.396
<b>180.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<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>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
<b>2.5</b>	441.420	441.636	441.450	441.486	441.522	441.552	441.576	441.552	441.522	441.486
<b>5.0</b>	444.126	444.168	444.198	444.216	444.222	444.282	444.336	444.282	444.348	444.228
<b>7.5</b>	446.346	446.394	446.424	446.442	446.442	446.454	446.526	446.454	446.454	446.454
<b>10.0</b>	448.656	448.728	448.776	448.806	448.812	448.926	448.878	448.806	448.824	448.818
<b>12.5</b>	450.108	450.150	450.180	450.180	450.168	450.132	450.180	450.144	450.180	450.198
<b>15.0</b>	451.248	451.266	451.266	451.248	451.212	451.152	451.176	451.170	451.224	451.260
<b>17.5</b>	451.176	451.140	451.086	451.020	450.948	450.858	450.834	450.876	450.960	451.038
<b>20.0</b>	450.744	450.834	450.768	450.684	450.594	450.480	450.414	450.498	450.606	450.702
<b>22.5</b>	450.204	449.634	449.532	449.376	449.220	449.064	448.920	449.076	449.238	449.394
<b>25.0</b>	449.484	448.314	448.026	447.816	447.612	447.402	447.594	447.420	447.630	447.834
<b>27.5</b>	447.858	446.490	445.512	445.314	445.074	444.840	444.696	444.858	445.092	445.332
<b>30.0</b>	446.214	444.456	442.926	442.572	442.290	442.026	441.912	442.044	442.308	442.584
<b>32.5</b>	443.214	441.420	439.644	438.738	438.402	438.096	437.982	438.114	438.420	438.750
<b>35.0</b>	440.100	438.258	436.206	434.640	434.316	433.968	433.890	433.986	434.334	434.652
<b>37.5</b>	436.092	434.136	431.886	429.840	429.300	428.886	428.796	428.898	429.318	429.912
<b>40.0</b>	431.868	429.840	427.464	425.160	424.104	423.606	423.534	423.618	424.122	425.226
<b>42.5</b>	427.080	424.662	422.220	419.694	418.140	417.606	417.570	417.624	418.152	419.760
<b>45.0</b>	421.908	419.280	416.892	414.168	412.074	411.516	411.546	411.528	412.092	414.234
<b>47.5</b>	416.184	413.382	410.658	407.814	405.078	404.544	404.598	404.562	405.132	407.880
<b>50.0</b>	410.040	407.280	404.274	401.412	398.424	397.464	397.548	397.476	398.490	401.478
<b>52.5</b>	403.656	400.710	397.458	394.440	391.290	389.886	390.006	389.904	391.350	394.506
<b>55.0</b>	396.846	393.786	390.552	387.378	384.114	382.224	382.404	382.236	384.174	387.438
<b>57.5</b>	389.598	386.610	383.148	379.674	376.272	373.860	374.142	373.878	376.332	379.734
<b>60.0</b>	381.378	378.618	375.276	371.862	368.460	365.472	365.802	365.472	368.520	371.922
<b>62.5</b>	372.438	369.744	366.708	363.384	359.844	356.454	356.736	356.454	359.898	363.432
<b>65.0</b>	363.198	360.234	357.336	354.540	351.186	347.388	347.616	347.382	351.234	354.588
<b>67.5</b>	354.348	351.264	347.946	345.006	342.084	338.370	338.334	338.406	342.126	345.054
<b>70.0</b>	345.786	342.312	338.634	335.316	332.568	329.454	329.004	329.490	332.610	335.358
<b>72.5</b>	336.906	333.678	329.880	325.656	322.290	319.572	318.984	319.602	322.326	325.692
<b>75.0</b>	327.384	324.342	320.316	316.086	312.096	309.402	308.916	309.426	312.132	316.116
<b>77.5</b>	317.346	314.142	310.560	306.696	302.040	298.392	297.930	298.410	302.064	306.726
<b>80.0</b>	307.038	304.050	300.360	296.406	292.116	287.598	286.920	287.616	292.140	296.424
<b>82.5</b>	296.952	294.078	290.262	286.740	282.222	277.788	275.826	277.806	282.240	286.758
<b>85.0</b>	286.482	283.374	279.828	276.114	271.662	267.894	264.738	267.900	271.674	276.126
<b>87.5</b>	276.612	273.318	269.808	266.220	262.206	258.366	254.604	258.372	262.212	266.226
<b>90.0</b>	282.924	279.600	276.096	271.278	267.336	266.802	266.616	266.826	267.384	271.428
<b>92.5</b>	276.612	273.318	269.808	266.220	262.206	258.366	254.604	258.372	262.212	266.226
<b>95.0</b>	286.482	283.374	279.828	276.114	271.662	267.894	264.738	267.900	271.674	276.126
<b>97.5</b>	296.952	294.078	290.262	286.740	282.222	277.788	275.826	277.806	282.240	286.758
<b>100.0</b>	307.038	304.050	300.360	296.406	292.116	287.598	286.920	287.616	292.140	296.424
<b>102.5</b>	317.346	314.142	310.560	306.696	302.040	298.392	297.930	298.410	302.064	306.726
<b>105.0</b>	327.384	324.342	320.316	316.086	312.096	309.402	308.916	309.426	312.132	316.116
<b>107.5</b>	336.906	333.678	329.880	325.656	322.290	319.572	318.984	319.602	322.326	325.692
<b>110.0</b>	345.786	342.312	338.634	335.316	332.568	329.454	329.004	329.490	332.610	335.358
<b>112.5</b>	354.348	351.264	347.946	345.006	342.084	338.370	338.334	338.406	342.126	345.054
<b>115.0</b>	363.198	360.234	357.336	354.540	351.186	347.388	347.616	347.382	351.234	354.588

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

117.5	372.438	369.744	366.708	363.384	359.844	356.454	356.736	356.454	359.898	363.432
120.0	381.378	378.618	375.276	371.862	368.460	365.472	365.802	365.472	368.520	371.922
122.5	389.598	386.610	383.148	379.674	376.272	373.860	374.142	373.878	376.332	379.734
125.0	396.846	393.786	390.552	387.378	384.114	382.224	382.404	382.236	384.174	387.438
127.5	403.656	400.710	397.458	394.440	391.290	389.886	390.006	389.904	391.350	394.506
130.0	410.040	407.280	404.274	401.412	398.424	397.464	397.548	397.476	398.490	401.478
132.5	416.184	413.382	410.658	407.814	405.078	404.544	404.598	404.562	405.132	407.880
135.0	421.908	419.280	416.892	414.168	412.074	411.516	411.546	411.528	412.092	414.234
137.5	427.080	424.662	422.220	419.694	418.140	417.606	417.570	417.624	418.152	419.760
140.0	431.868	429.840	427.464	425.160	424.104	423.606	423.534	423.618	424.122	425.226
142.5	436.092	434.136	431.886	429.840	429.300	428.886	428.796	428.898	429.318	429.912
145.0	440.100	438.258	436.206	434.640	434.316	433.968	433.890	433.986	434.334	434.652
147.5	443.214	441.420	439.644	438.738	438.402	438.096	437.982	438.114	438.420	438.750
150.0	446.214	444.456	442.926	442.572	442.290	442.026	441.912	442.044	442.308	442.584
152.5	447.858	446.490	445.512	445.314	445.074	444.840	444.696	444.858	445.092	445.332
155.0	449.484	448.314	448.026	447.816	447.612	447.402	447.594	447.420	447.630	447.834
157.5	450.204	449.634	449.532	449.376	449.220	449.064	448.920	449.076	449.238	449.394
160.0	450.744	450.834	450.768	450.684	450.594	450.480	450.414	450.498	450.606	450.702
162.5	451.176	451.140	451.086	451.020	450.948	450.858	450.834	450.876	450.960	451.038
165.0	451.248	451.266	451.266	451.248	451.212	451.152	451.176	451.170	451.224	451.260
167.5	450.108	450.150	450.180	450.180	450.168	450.132	450.180	450.144	450.180	450.198
170.0	448.656	448.728	448.776	448.806	448.812	448.926	448.878	448.806	448.824	448.818
172.5	446.346	446.394	446.424	446.442	446.442	446.454	446.526	446.454	446.454	446.454
175.0	444.126	444.168	444.198	444.216	444.222	444.282	444.336	444.282	444.348	444.228
177.5	441.420	441.636	441.450	441.486	441.522	441.552	441.576	441.552	441.522	441.486
180.0	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

**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	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
2.5	441.528	441.450	441.432	441.414	441.390	441.360	441.330	441.294	441.252	441.204
5.0	444.210	444.180	444.138	444.084	444.012	443.934	443.838	443.736	443.616	443.484
7.5	446.442	446.412	446.364	446.298	446.220	446.130	446.022	445.896	445.758	445.632
10.0	448.788	448.740	448.674	448.578	448.470	448.338	448.188	448.242	447.870	447.462
12.5	450.192	450.168	450.120	450.060	449.976	449.874	449.664	449.814	450.066	450.288
15.0	451.278	451.278	451.260	451.224	451.080	451.314	451.692	452.010	452.292	452.544
17.5	451.098	451.152	451.194	451.092	451.728	452.352	452.952	453.534	454.086	454.572
20.0	450.780	450.846	450.756	451.494	452.328	452.952	453.642	454.296	454.818	455.112
22.5	449.544	449.646	450.282	451.254	452.202	453.132	454.044	454.662	455.094	455.430
25.0	448.038	448.392	449.562	450.954	451.770	452.772	453.474	454.068	454.638	455.196
27.5	445.524	446.568	447.936	449.382	450.720	451.650	452.580	453.408	454.086	454.506
30.0	443.004	444.534	446.292	447.576	448.722	449.838	450.852	451.836	452.484	453.138
32.5	439.968	441.492	443.292	444.852	446.376	447.762	449.202	449.856	450.768	451.362
35.0	436.284	438.336	440.178	441.762	443.400	444.954	446.058	447.162	448.320	449.502
37.5	431.964	434.214	436.170	438.180	440.130	441.690	443.028	444.276	445.302	446.148
40.0	427.542	429.912	431.952	434.136	435.906	437.472	439.056	440.490	441.792	442.962
42.5	422.292	424.734	427.158	429.540	431.436	433.212	434.664	436.104	437.538	438.852
45.0	416.964	419.352	421.986	424.242	426.360	428.286	429.876	431.544	432.810	433.974
47.5	410.724	413.454	416.256	418.770	421.104	422.940	424.848	426.366	427.866	429.036
50.0	404.340	407.358	410.112	412.776	414.954	417.114	419.076	420.774	422.322	423.660
52.5	397.524	400.782	403.722	406.374	408.654	410.790	412.902	414.786	416.298	417.732
55.0	390.636	393.858	396.912	399.516	401.982	404.178	406.146	408.030	409.884	410.952
57.5	383.214	386.676	389.664	392.256	394.398	396.744	398.778	400.596	402.156	403.608
60.0	375.342	378.678	381.438	383.922	386.202	388.386	390.552	392.514	394.158	395.550
62.5	366.768	369.804	372.498	375.108	377.424	380.046	382.566	384.408	385.836	387.126

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

<b>65.0</b>	357.390	360.288	363.252	366.132	368.646	371.472	374.190	376.296	377.292	378.408
<b>67.5</b>	348.000	351.312	354.396	357.300	359.892	362.802	365.388	367.134	368.244	369.486
<b>70.0</b>	338.682	342.360	345.834	348.864	351.516	354.456	356.862	358.572	359.808	360.714
<b>72.5</b>	329.922	333.720	336.948	340.200	342.762	345.696	348.864	350.256	351.234	351.492
<b>75.0</b>	320.352	324.378	327.420	330.264	332.988	335.964	338.604	340.614	341.520	341.976
<b>77.5</b>	310.590	314.172	317.376	320.250	322.686	325.362	327.648	329.850	331.278	331.746
<b>80.0</b>	300.384	304.074	307.062	310.164	312.354	314.994	317.100	318.822	320.190	320.820
<b>82.5</b>	290.286	294.096	296.970	299.760	302.214	305.052	307.302	308.370	309.246	309.810
<b>85.0</b>	279.840	283.392	286.494	289.014	291.576	294.558	297.210	297.690	298.230	298.752
<b>87.5</b>	269.820	273.324	276.618	279.120	281.568	284.688	287.952	287.922	288.348	288.750
<b>90.0</b>	276.252	279.744	283.086	286.338	289.524	292.668	295.884	296.784	296.952	297.462
<b>92.5</b>	269.820	273.324	276.618	279.120	281.568	284.688	287.952	287.922	288.348	288.750
<b>95.0</b>	279.840	283.392	286.494	289.014	291.576	294.558	297.210	297.690	298.230	298.752
<b>97.5</b>	290.286	294.096	296.970	299.760	302.214	305.052	307.302	308.370	309.246	309.810
<b>100.0</b>	300.384	304.074	307.062	310.164	312.354	314.994	317.100	318.822	320.190	320.820
<b>102.5</b>	310.590	314.172	317.376	320.250	322.686	325.362	327.648	329.850	331.278	331.746
<b>105.0</b>	320.352	324.378	327.420	330.264	332.988	335.964	338.604	340.614	341.520	341.976
<b>107.5</b>	329.922	333.720	336.948	340.200	342.762	345.696	348.864	350.256	351.234	351.492
<b>110.0</b>	338.682	342.360	345.834	348.864	351.516	354.456	356.862	358.572	359.808	360.714
<b>112.5</b>	348.000	351.312	354.396	357.300	359.892	362.802	365.388	367.134	368.244	369.486
<b>115.0</b>	357.390	360.288	363.252	366.132	368.646	371.472	374.190	376.296	377.292	378.408
<b>117.5</b>	366.768	369.804	372.498	375.108	377.424	380.046	382.566	384.408	385.836	387.126
<b>120.0</b>	375.342	378.678	381.438	383.922	386.202	388.386	390.552	392.514	394.158	395.550
<b>122.5</b>	383.214	386.676	389.664	392.256	394.398	396.744	398.778	400.596	402.156	403.608
<b>125.0</b>	390.636	393.858	396.912	399.516	401.982	404.178	406.146	408.030	409.884	410.952
<b>127.5</b>	397.524	400.782	403.722	406.374	408.654	410.790	412.902	414.786	416.298	417.732
<b>130.0</b>	404.340	407.358	410.112	412.776	414.954	417.114	419.076	420.774	422.322	423.660
<b>132.5</b>	410.724	413.454	416.256	418.770	421.104	422.940	424.848	426.366	427.866	429.036
<b>135.0</b>	416.964	419.352	421.986	424.242	426.360	428.286	429.876	431.544	432.810	433.974
<b>137.5</b>	422.292	424.734	427.158	429.540	431.436	433.212	434.664	436.104	437.538	438.852
<b>140.0</b>	427.542	429.912	431.952	434.136	435.906	437.472	439.056	440.490	441.792	442.962
<b>142.5</b>	431.964	434.214	436.170	438.180	440.130	441.690	443.028	444.276	445.302	446.148
<b>145.0</b>	436.284	438.336	440.178	441.762	443.400	444.954	446.058	447.162	448.320	449.502
<b>147.5</b>	439.968	441.492	443.292	444.852	446.376	447.762	449.202	449.856	450.768	451.362
<b>150.0</b>	443.004	444.534	446.292	447.576	448.722	449.838	450.852	451.836	452.484	453.138
<b>152.5</b>	445.524	446.568	447.936	449.382	450.720	451.650	452.580	453.408	454.086	454.506
<b>155.0</b>	448.038	448.392	449.562	450.954	451.770	452.772	453.474	454.068	454.638	455.196
<b>157.5</b>	449.544	449.646	450.282	451.254	452.202	453.132	454.044	454.662	455.094	455.430
<b>160.0</b>	450.780	450.846	450.756	451.494	452.328	452.952	453.642	454.296	454.818	455.112
<b>162.5</b>	451.098	451.152	451.194	451.092	451.728	452.352	452.952	453.534	454.086	454.572
<b>165.0</b>	451.278	451.278	451.260	451.224	451.080	451.314	451.692	452.010	452.292	452.544
<b>167.5</b>	450.192	450.168	450.120	450.060	449.976	449.874	449.664	449.814	450.066	450.288
<b>170.0</b>	448.788	448.740	448.674	448.578	448.470	448.338	448.188	448.242	447.870	447.462
<b>172.5</b>	446.442	446.412	446.364	446.298	446.220	446.130	446.022	445.896	445.758	445.632
<b>175.0</b>	444.210	444.180	444.138	444.084	444.012	443.934	443.838	443.736	443.616	443.484
<b>177.5</b>	441.528	441.450	441.432	441.414	441.390	441.360	441.330	441.294	441.252	441.204
<b>180.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

**Vert.  
Angles**

**Horizontal Angles**

	<u><b>125.0</b></u>	<u><b>127.5</b></u>	<u><b>130.0</b></u>	<u><b>132.5</b></u>	<u><b>135.0</b></u>	<u><b>137.5</b></u>	<u><b>140.0</b></u>	<u><b>142.5</b></u>	<u><b>145.0</b></u>	<u><b>147.5</b></u>
<b>0.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
<b>2.5</b>	441.156	441.102	441.042	440.976	440.910	440.838	440.766	440.688	440.610	440.562
<b>5.0</b>	443.346	443.196	443.028	442.854	442.950	442.560	442.410	442.254	442.092	441.918
<b>7.5</b>	445.470	445.566	445.164	445.014	444.690	444.630	444.480	444.324	444.144	443.946
<b>10.0</b>	447.534	447.576	447.600	447.594	447.558	447.504	447.420	447.342	447.252	447.144



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

12.5	450.480	450.642	450.666	450.648	450.606	450.528	450.420	450.264	449.916	449.574
15.0	452.760	452.940	453.084	453.078	452.958	452.838	452.610	452.256	451.878	451.476
17.5	454.860	454.836	454.776	454.662	454.518	454.344	454.140	453.936	453.708	453.312
20.0	455.460	455.616	455.832	456.066	455.988	455.856	455.406	454.974	454.620	454.062
22.5	455.730	456.000	456.240	456.288	456.234	456.204	456.114	455.724	455.202	454.644
25.0	455.730	456.036	456.114	456.144	456.138	456.102	456.030	455.814	455.448	454.608
27.5	454.992	455.136	455.442	455.718	455.886	455.646	455.286	454.794	454.272	453.726
30.0	453.834	454.320	454.524	454.494	454.434	454.230	454.020	453.606	452.958	452.196
32.5	452.196	452.442	452.760	452.898	452.724	452.454	452.016	451.560	451.230	450.168
35.0	449.808	450.174	450.528	450.546	450.576	450.186	449.886	449.124	448.428	447.624
37.5	446.934	447.630	447.750	447.810	447.714	447.510	446.994	446.406	445.392	444.384
40.0	443.742	444.132	444.504	444.726	444.624	444.228	443.676	442.986	442.194	440.964
42.5	439.554	440.286	441.054	440.958	440.784	440.466	440.250	439.152	437.874	436.554
45.0	434.988	435.918	436.194	436.548	436.656	436.158	435.324	434.400	433.386	431.988
47.5	429.930	430.842	431.520	431.352	431.232	430.968	430.590	429.456	428.376	426.978
50.0	424.776	425.346	425.598	425.778	425.706	425.280	424.782	424.104	423.018	421.560
52.5	418.794	419.322	419.730	419.826	419.700	419.370	419.004	418.008	416.898	415.728
55.0	411.948	412.764	413.220	413.436	413.538	413.148	412.350	411.480	410.478	409.038
57.5	404.580	405.504	406.386	406.440	406.440	406.206	405.552	404.604	403.254	401.790
60.0	396.750	397.650	398.328	398.814	398.880	398.496	397.818	396.816	395.496	393.912
62.5	388.248	389.298	390.048	390.648	390.564	390.216	389.610	388.344	387.018	385.572
65.0	379.632	380.646	381.516	381.954	381.846	381.510	380.922	379.668	378.378	376.836
67.5	370.734	371.712	372.624	372.924	372.630	372.408	371.694	370.560	369.348	367.782
70.0	361.548	362.532	363.468	363.660	363.336	363.330	362.364	361.254	360.156	359.142
72.5	352.044	352.818	353.460	353.610	353.520	353.334	352.596	351.750	350.868	350.160
75.0	342.102	342.786	343.224	343.332	343.296	343.086	342.594	341.862	341.172	340.800
77.5	331.824	332.586	332.982	333.126	333.168	332.892	332.502	331.872	331.146	330.786
80.0	321.120	321.588	321.990	322.398	322.674	322.188	321.618	320.976	320.472	319.944
82.5	310.218	310.530	310.782	311.232	311.688	311.010	310.446	310.050	309.672	309.108
85.0	299.310	299.742	300.210	300.984	301.680	300.816	300.282	299.436	299.232	298.290
87.5	289.512	289.872	290.490	291.384	292.356	291.288	290.274	289.728	289.176	288.522
90.0	298.068	298.608	299.106	299.130	298.728	297.714	296.352	295.134	293.730	292.422
92.5	289.512	289.872	290.490	291.384	292.356	291.288	290.274	289.728	289.176	288.522
95.0	299.310	299.742	300.210	300.984	301.680	300.816	300.282	299.436	299.232	298.290
97.5	310.218	310.530	310.782	311.232	311.688	311.010	310.446	310.050	309.672	309.108
100.0	321.120	321.588	321.990	322.398	322.674	322.188	321.618	320.976	320.472	319.944
102.5	331.824	332.586	332.982	333.126	333.168	332.892	332.502	331.872	331.146	330.786
105.0	342.102	342.786	343.224	343.332	343.296	343.086	342.594	341.862	341.172	340.800
107.5	352.044	352.818	353.460	353.610	353.520	353.334	352.596	351.750	350.868	350.160
110.0	361.548	362.532	363.468	363.660	363.336	363.330	362.364	361.254	360.156	359.142
112.5	370.734	371.712	372.624	372.924	372.630	372.408	371.694	370.560	369.348	367.782
115.0	379.632	380.646	381.516	381.954	381.846	381.510	380.922	379.668	378.378	376.836
117.5	388.248	389.298	390.048	390.648	390.564	390.216	389.610	388.344	387.018	385.572
120.0	396.750	397.650	398.328	398.814	398.880	398.496	397.818	396.816	395.496	393.912
122.5	404.580	405.504	406.386	406.440	406.440	406.206	405.552	404.604	403.254	401.790
125.0	411.948	412.764	413.220	413.436	413.538	413.148	412.350	411.480	410.478	409.038
127.5	418.794	419.322	419.730	419.826	419.700	419.370	419.004	418.008	416.898	415.728
130.0	424.776	425.346	425.598	425.778	425.706	425.280	424.782	424.104	423.018	421.560
132.5	429.930	430.842	431.520	431.352	431.232	430.968	430.590	429.456	428.376	426.978
135.0	434.988	435.918	436.194	436.548	436.656	436.158	435.324	434.400	433.386	431.988
137.5	439.554	440.286	441.054	440.958	440.784	440.466	440.250	439.152	437.874	436.554
140.0	443.742	444.132	444.504	444.726	444.624	444.228	443.676	442.986	442.194	440.964
142.5	446.934	447.630	447.750	447.804	447.714	447.510	446.994	446.406	445.392	444.384
145.0	449.808	450.174	450.528	450.546	450.576	450.186	449.886	449.124	448.428	447.624
147.5	452.196	452.442	452.760	452.898	452.724	452.454	452.016	451.560	451.230	450.168
150.0	453.834	454.320	454.524	454.494	454.434	454.230	454.020	453.606	452.958	452.196

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

<b>152.5</b>	454.992	455.136	455.442	455.718	455.886	455.646	455.286	454.794	454.272	453.726
<b>155.0</b>	455.730	456.036	456.114	456.144	456.138	456.102	456.030	455.814	455.448	454.608
<b>157.5</b>	455.730	456.000	456.240	456.288	456.234	456.204	456.114	455.724	455.202	454.644
<b>160.0</b>	455.460	455.616	455.832	456.066	455.988	455.856	455.406	454.974	454.620	454.062
<b>162.5</b>	454.860	454.836	454.776	454.662	454.518	454.344	454.140	453.936	453.708	453.312
<b>165.0</b>	452.760	452.940	453.084	453.078	452.958	452.838	452.610	452.256	451.878	451.476
<b>167.5</b>	450.480	450.642	450.666	450.648	450.606	450.528	450.420	450.264	449.916	449.574
<b>170.0</b>	447.534	447.576	447.600	447.594	447.558	447.504	447.420	447.342	447.252	447.144
<b>172.5</b>	445.470	445.566	445.164	445.014	444.690	444.630	444.480	444.324	444.144	443.946
<b>175.0</b>	443.346	443.196	443.028	442.854	442.950	442.560	442.410	442.254	442.092	441.918
<b>177.5</b>	441.156	441.102	441.042	440.976	440.910	440.838	440.766	440.688	440.610	440.562
<b>180.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>150.0</u></b>	<b><u>152.5</u></b>	<b><u>155.0</u></b>	<b><u>157.5</u></b>	<b><u>160.0</u></b>	<b><u>162.5</u></b>	<b><u>165.0</u></b>	<b><u>167.5</u></b>	<b><u>170.0</u></b>	<b><u>172.5</u></b>
<b>0.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
<b>2.5</b>	440.520	440.544	440.568	440.598	440.622	440.646	440.670	440.700	440.724	440.748
<b>5.0</b>	441.744	441.564	441.624	441.186	440.988	440.790	440.610	440.658	440.706	440.754
<b>7.5</b>	443.724	443.538	443.370	443.184	442.980	442.764	442.524	442.272	442.008	442.122
<b>10.0</b>	447.042	446.706	446.352	445.974	445.644	445.344	445.020	444.732	444.294	443.898
<b>12.5</b>	449.226	448.908	448.578	448.158	447.570	446.958	446.466	445.986	445.488	444.972
<b>15.0</b>	451.044	450.588	450.120	449.676	449.226	448.590	447.834	447.204	446.616	446.004
<b>17.5</b>	452.850	452.040	451.356	450.654	449.970	449.322	448.524	447.546	446.790	446.034
<b>20.0</b>	453.582	452.910	452.106	451.284	450.438	449.610	448.830	447.846	446.814	445.950
<b>22.5</b>	454.068	453.420	452.646	451.500	450.360	449.214	448.134	447.108	445.770	444.690
<b>25.0</b>	453.660	452.772	451.752	450.804	449.556	448.290	447.114	445.860	444.576	443.238
<b>27.5</b>	452.958	451.884	450.732	449.562	448.566	446.862	445.314	443.832	442.446	440.826
<b>30.0</b>	451.416	450.450	449.016	447.588	446.190	444.756	443.058	441.432	439.836	438.294
<b>32.5</b>	449.184	448.182	447.156	445.398	443.718	442.062	440.310	438.312	436.458	434.646
<b>35.0</b>	446.580	445.332	444.072	442.554	440.598	438.666	436.782	434.700	432.636	430.758
<b>37.5</b>	443.376	442.152	440.622	438.978	437.148	434.952	432.780	430.686	428.340	426.180
<b>40.0</b>	439.464	438.120	436.698	434.946	433.002	430.770	428.310	426.042	423.522	421.146
<b>42.5</b>	435.156	433.872	432.210	430.494	428.316	426.060	423.480	420.954	418.422	415.950
<b>45.0</b>	430.422	428.850	427.092	425.370	423.474	420.900	418.374	415.578	413.022	410.142
<b>47.5</b>	425.340	423.642	422.004	419.994	417.822	415.248	412.596	409.662	406.902	403.920
<b>50.0</b>	419.934	418.068	415.968	413.976	411.702	409.344	406.542	403.530	400.464	397.368
<b>52.5</b>	413.892	411.942	409.818	407.736	405.480	402.864	400.008	396.930	393.750	390.606
<b>55.0</b>	407.478	405.576	403.494	401.058	398.748	396.138	393.354	390.312	386.904	383.568
<b>57.5</b>	400.224	398.406	396.066	393.864	391.566	389.052	386.034	382.908	379.554	376.170
<b>60.0</b>	392.334	390.312	387.984	385.572	383.310	380.760	378.240	375.294	371.886	368.370
<b>62.5</b>	384.084	382.278	380.292	377.094	374.496	372.078	369.384	366.408	363.330	360.024
<b>65.0</b>	375.432	374.310	371.406	368.424	365.778	363.006	360.000	357.036	354.210	351.522
<b>67.5</b>	366.360	364.812	362.616	359.886	357.000	354.228	351.324	348.180	344.754	342.060
<b>70.0</b>	358.008	356.472	354.534	351.672	348.750	346.032	342.786	339.258	335.622	332.592
<b>72.5</b>	349.272	348.426	346.374	343.164	340.242	337.518	334.194	330.966	327.114	322.998
<b>75.0</b>	339.978	338.856	336.390	333.654	330.642	327.984	325.044	321.996	317.796	313.764
<b>77.5</b>	329.994	328.128	325.800	323.610	320.664	318.276	315.396	312.066	308.442	304.614
<b>80.0</b>	319.170	317.508	315.678	313.410	310.944	308.424	305.268	302.352	298.518	294.726
<b>82.5</b>	308.472	307.440	306.498	303.804	300.924	298.446	295.608	292.704	288.870	285.474
<b>85.0</b>	297.774	297.102	296.556	293.706	290.676	288.150	285.588	282.456	278.892	275.238
<b>87.5</b>	287.892	287.628	287.394	284.268	281.250	278.700	276.174	272.862	269.328	265.776
<b>90.0</b>	291.456	290.484	286.896	283.170	279.534	276.300	272.784	268.794	264.612	260.310
<b>92.5</b>	287.892	287.628	287.394	284.268	281.250	278.700	276.174	272.862	269.328	265.776
<b>95.0</b>	297.774	297.102	296.556	293.706	290.676	288.150	285.588	282.456	278.892	275.238
<b>97.5</b>	308.472	307.440	306.498	303.804	300.924	298.446	295.608	292.704	288.870	285.474

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

<b>100.0</b>	319.170	317.508	315.678	313.410	310.944	308.424	305.268	302.352	298.518	294.726
<b>102.5</b>	329.994	328.128	325.800	323.610	320.664	318.276	315.396	312.066	308.442	304.614
<b>105.0</b>	339.978	338.856	336.390	333.654	330.642	327.984	325.044	321.996	317.796	313.764
<b>107.5</b>	349.272	348.426	346.374	343.164	340.242	337.518	334.194	330.966	327.114	322.998
<b>110.0</b>	358.008	356.472	354.534	351.672	348.750	346.032	342.786	339.258	335.622	332.592
<b>112.5</b>	366.360	364.812	362.616	359.886	357.000	354.228	351.324	348.180	344.754	342.060
<b>115.0</b>	375.432	374.310	371.406	368.424	365.778	363.006	360.000	357.036	354.210	351.522
<b>117.5</b>	384.084	382.278	380.292	377.094	374.496	372.078	369.384	366.408	363.330	360.024
<b>120.0</b>	392.334	390.312	387.984	385.572	383.310	380.760	378.240	375.294	371.886	368.370
<b>122.5</b>	400.224	398.406	396.066	393.864	391.566	389.052	386.034	382.908	379.554	376.170
<b>125.0</b>	407.478	405.576	403.494	401.058	398.748	396.138	393.354	390.312	386.904	383.568
<b>127.5</b>	413.892	411.942	409.818	407.736	405.480	402.864	400.008	396.930	393.750	390.606
<b>130.0</b>	419.934	418.068	415.968	413.976	411.702	409.344	406.542	403.530	400.464	397.368
<b>132.5</b>	425.340	423.642	422.004	419.994	417.822	415.248	412.596	409.662	406.902	403.920
<b>135.0</b>	430.422	428.850	427.092	425.370	423.474	420.900	418.374	415.578	413.022	410.142
<b>137.5</b>	435.156	433.872	432.210	430.494	428.316	426.060	423.480	420.954	418.422	415.950
<b>140.0</b>	439.464	438.120	436.698	434.946	433.002	430.770	428.310	426.042	423.522	421.146
<b>142.5</b>	443.376	442.152	440.622	438.978	437.148	434.952	432.780	430.686	428.340	426.180
<b>145.0</b>	446.580	445.332	444.072	442.554	440.598	438.666	436.782	434.700	432.636	430.758
<b>147.5</b>	449.184	448.182	447.156	445.398	443.718	442.062	440.310	438.312	436.458	434.646
<b>150.0</b>	451.416	450.450	449.016	447.588	446.190	444.756	443.058	441.432	439.836	438.294
<b>152.5</b>	452.958	451.884	450.732	449.562	448.566	446.862	445.314	443.832	442.446	440.826
<b>155.0</b>	453.660	452.772	451.752	450.804	449.556	448.290	447.114	445.860	444.576	443.238
<b>157.5</b>	454.068	453.420	452.646	451.500	450.360	449.214	448.134	447.108	445.770	444.690
<b>160.0</b>	453.582	452.910	452.106	451.284	450.438	449.610	448.830	447.846	446.814	445.950
<b>162.5</b>	452.850	452.040	451.356	450.654	449.970	449.322	448.524	447.546	446.790	446.034
<b>165.0</b>	451.044	450.588	450.120	449.676	449.226	448.590	447.834	447.204	446.616	446.004
<b>167.5</b>	449.226	448.908	448.578	448.158	447.570	446.958	446.466	445.986	445.488	444.972
<b>170.0</b>	447.042	446.706	446.352	445.974	445.644	445.344	445.020	444.732	444.294	443.898
<b>172.5</b>	443.724	443.538	443.370	443.184	442.980	442.764	442.524	442.272	442.008	442.122
<b>175.0</b>	441.744	441.564	441.624	441.186	440.988	440.790	440.610	440.658	440.706	440.754
<b>177.5</b>	440.520	440.544	440.568	440.598	440.622	440.646	440.670	440.700	440.724	440.748
<b>180.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

**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>
<b>0.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
<b>2.5</b>	440.772	440.796	440.820	440.808	440.778	440.754	440.724	440.700	440.676	440.652
<b>5.0</b>	440.802	440.850	440.898	440.856	440.808	440.760	440.712	440.664	440.616	440.718
<b>7.5</b>	442.218	442.308	442.380	442.308	442.224	442.122	442.014	442.200	442.452	442.692
<b>10.0</b>	444.012	444.114	444.216	444.120	444.012	443.898	444.222	444.660	444.948	445.272
<b>12.5</b>	444.702	444.828	444.942	444.828	444.702	444.900	445.416	445.914	446.394	446.868
<b>15.0</b>	445.608	445.596	445.704	445.602	445.566	445.938	446.544	447.138	447.744	448.500
<b>17.5</b>	445.272	445.122	445.278	445.128	445.200	445.962	446.718	447.504	448.434	449.238
<b>20.0</b>	445.074	444.732	444.936	444.732	445.008	445.878	446.742	447.756	448.746	449.526
<b>22.5</b>	443.646	442.944	443.124	442.944	443.580	444.624	445.680	447.024	448.056	449.124
<b>25.0</b>	442.074	441.096	441.300	441.102	442.008	443.172	444.486	445.776	446.964	448.200
<b>27.5</b>	439.476	438.168	438.366	438.174	439.404	440.754	442.362	443.748	445.224	446.778
<b>30.0</b>	436.656	435.192	435.264	435.186	436.584	438.072	439.752	441.294	442.968	444.672
<b>32.5</b>	432.888	431.256	431.148	431.184	432.822	434.556	436.374	438.228	440.220	441.978
<b>35.0</b>	428.856	427.086	426.822	427.020	428.784	430.680	432.558	434.616	436.704	438.576
<b>37.5</b>	424.122	422.190	421.764	422.130	424.056	426.096	428.238	430.602	432.696	434.868
<b>40.0</b>	418.992	416.946	416.370	416.886	418.932	421.068	423.438	425.958	428.226	430.680
<b>42.5</b>	413.472	411.264	410.502	411.204	413.412	415.872	418.338	420.870	423.396	425.982
<b>45.0</b>	407.706	405.372	404.442	405.306	407.646	410.070	412.944	415.500	418.290	420.822

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

47.5	401.256	398.874	397.776	398.814	401.202	403.842	406.824	409.578	412.572	415.170
50.0	394.470	392.010	390.702	391.956	394.416	397.296	400.386	403.446	406.458	409.266
52.5	387.582	384.936	383.394	384.882	387.528	390.528	393.678	396.852	399.930	402.792
55.0	380.190	377.556	375.822	377.502	380.142	383.496	386.832	390.234	393.282	396.096
57.5	372.648	369.822	367.926	369.768	372.666	376.104	379.488	382.836	385.962	388.986
60.0	364.638	361.764	359.670	361.716	364.614	368.304	371.820	375.228	378.174	380.700
62.5	356.244	353.292	350.970	353.244	356.190	359.964	363.276	366.348	369.324	372.006
65.0	347.688	344.616	342.042	344.574	347.634	351.474	354.162	356.982	359.946	362.946
67.5	338.862	335.904	333.186	335.868	338.814	342.012	344.706	348.126	351.270	354.180
70.0	329.652	327.042	324.156	327.012	329.610	332.550	335.580	339.210	342.738	345.984
72.5	319.524	317.472	314.658	317.442	319.488	322.962	327.120	330.918	334.152	337.476
75.0	309.684	307.506	305.010	307.482	309.648	313.728	317.784	321.954	325.008	327.942
77.5	299.856	296.730	294.624	296.706	299.826	304.584	308.406	312.030	315.402	318.240
80.0	290.364	286.248	284.172	286.230	290.340	294.702	298.488	302.328	305.274	308.394
82.5	280.842	276.702	273.738	276.684	280.824	285.456	288.846	292.686	295.590	298.428
85.0	270.750	267.180	263.340	267.168	270.738	275.220	278.880	282.444	285.570	288.138
87.5	261.762	258.018	253.896	258.012	261.756	265.770	269.322	272.856	276.162	278.688
90.0	256.152	251.316	249.834	251.196	255.996	260.172	264.450	268.632	272.616	276.138
92.5	261.762	258.018	253.896	258.012	261.756	265.770	269.322	272.856	276.162	278.688
95.0	270.750	267.180	263.340	267.168	270.738	275.220	278.880	282.444	285.570	288.138
97.5	280.842	276.702	273.738	276.684	280.824	285.456	288.846	292.686	295.590	298.428
100.0	290.364	286.248	284.172	286.230	290.340	294.702	298.488	302.328	305.274	308.394
102.5	299.856	296.730	294.624	296.706	299.826	304.584	308.406	312.030	315.402	318.240
105.0	309.684	307.506	305.010	307.482	309.648	313.728	317.784	321.954	325.008	327.942
107.5	319.524	317.472	314.658	317.442	319.488	322.962	327.120	330.918	334.152	337.476
110.0	329.652	327.042	324.156	327.012	329.610	332.550	335.580	339.210	342.738	345.984
112.5	338.862	335.904	333.186	335.868	338.814	342.012	344.706	348.126	351.270	354.180
115.0	347.688	344.616	342.042	344.574	347.634	351.474	354.162	356.982	359.946	362.946
117.5	356.244	353.292	350.970	353.244	356.190	359.964	363.276	366.348	369.324	372.006
120.0	364.638	361.764	359.670	361.716	364.614	368.304	371.820	375.228	378.174	380.700
122.5	372.648	369.822	367.926	369.768	372.666	376.104	379.488	382.836	385.962	388.986
125.0	380.190	377.556	375.822	377.502	380.142	383.496	386.832	390.234	393.282	396.096
127.5	387.582	384.936	383.394	384.882	387.528	390.528	393.678	396.852	399.930	402.792
130.0	394.470	392.010	390.702	391.956	394.416	397.296	400.386	403.446	406.458	409.266
132.5	401.256	398.874	397.776	398.814	401.202	403.842	406.824	409.578	412.572	415.170
135.0	407.706	405.372	404.442	405.306	407.646	410.070	412.944	415.500	418.290	420.822
137.5	413.472	411.264	410.502	411.204	413.412	415.872	418.338	420.870	423.396	425.982
140.0	418.992	416.946	416.370	416.886	418.932	421.068	423.438	425.958	428.226	430.680
142.5	424.122	422.190	421.764	422.130	424.056	426.096	428.238	430.602	432.696	434.868
145.0	428.856	427.086	426.822	427.020	428.784	430.680	432.558	434.616	436.704	438.576
147.5	432.888	431.256	431.148	431.184	432.822	434.556	436.374	438.228	440.220	441.978
150.0	436.656	435.192	435.264	435.186	436.584	438.072	439.752	441.294	442.968	444.672
152.5	439.476	438.168	438.366	438.174	439.404	440.754	442.362	443.748	445.224	446.778
155.0	442.074	441.096	441.300	441.102	442.008	443.172	444.486	445.776	446.964	448.200
157.5	443.646	442.944	443.124	442.944	443.580	444.624	445.680	447.024	448.056	449.124
160.0	445.074	444.732	444.936	444.732	445.008	445.878	446.742	447.756	448.746	449.526
162.5	445.272	445.122	445.278	445.128	445.200	445.962	446.718	447.504	448.434	449.238
165.0	445.608	445.596	445.704	445.602	445.566	445.938	446.544	447.138	447.744	448.500
167.5	444.702	444.828	444.942	444.828	444.702	444.900	445.416	445.914	446.394	446.868
170.0	444.012	444.114	444.216	444.120	444.012	443.898	444.222	444.660	444.948	445.272
172.5	442.218	442.308	442.380	442.308	442.224	442.122	442.014	442.200	442.452	442.692
175.0	440.802	440.850	440.898	440.856	440.808	440.760	440.712	440.664	440.616	440.718
177.5	440.772	440.796	440.820	440.808	440.778	440.754	440.724	440.700	440.676	440.652
180.0	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

**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>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
<b>2.5</b>	440.628	440.598	440.574	440.550	440.520	440.496	440.610	440.616	440.694	440.772
<b>5.0</b>	440.916	441.114	441.552	441.492	441.672	441.846	442.020	442.182	442.338	442.488
<b>7.5</b>	442.908	443.112	443.298	443.466	443.634	443.856	444.054	444.234	444.390	444.540
<b>10.0</b>	445.572	445.884	446.262	446.616	446.946	447.060	447.174	447.258	447.390	447.408
<b>12.5</b>	447.480	448.068	448.494	448.824	449.142	449.478	449.826	450.174	450.330	450.438
<b>15.0</b>	449.142	449.592	450.018	450.498	450.954	451.386	451.788	452.166	452.520	452.754
<b>17.5</b>	449.892	450.564	451.266	451.950	452.604	453.222	453.624	453.852	454.056	454.254
<b>20.0</b>	450.348	451.194	452.016	452.820	453.498	453.978	454.470	454.890	455.322	455.772
<b>22.5</b>	450.270	451.416	452.550	453.336	453.984	454.560	455.112	455.634	456.042	456.138
<b>25.0</b>	449.466	450.720	451.668	452.628	453.576	454.518	455.376	455.748	455.964	456.036
<b>27.5</b>	448.548	449.478	450.690	451.800	452.874	453.654	454.200	454.722	455.214	455.580
<b>30.0</b>	446.100	447.498	448.932	450.360	451.344	452.130	452.892	453.540	453.954	454.170
<b>32.5</b>	443.634	445.314	447.060	448.110	449.112	450.102	451.146	451.494	451.950	452.388
<b>35.0</b>	440.508	442.464	443.994	445.260	446.508	447.558	448.362	449.058	449.820	450.126
<b>37.5</b>	437.058	438.894	440.550	442.080	443.310	444.312	445.320	446.322	446.934	447.456
<b>40.0</b>	432.918	434.868	436.620	438.054	439.392	440.892	442.128	442.926	443.616	444.174
<b>42.5</b>	428.238	430.416	432.138	433.800	435.084	436.488	437.808	439.098	440.196	440.412
<b>45.0</b>	423.222	425.298	427.020	428.898	430.356	431.922	433.320	434.346	435.270	436.104
<b>47.5</b>	417.750	419.922	421.932	423.576	425.274	426.912	428.316	429.396	430.518	430.920
<b>50.0</b>	411.630	413.904	415.902	418.002	419.868	421.500	422.958	424.050	424.734	425.238
<b>52.5</b>	405.414	407.670	409.752	411.876	413.832	415.662	416.838	417.960	418.950	419.322
<b>55.0</b>	398.682	400.992	403.422	405.510	407.424	408.978	410.424	411.432	412.308	413.106
<b>57.5</b>	391.500	393.810	396.006	398.346	400.164	401.736	403.200	404.556	405.504	406.164
<b>60.0</b>	383.250	385.590	387.924	390.252	392.268	393.858	395.448	396.768	397.776	398.460
<b>62.5</b>	374.448	377.034	380.226	382.224	384.030	385.518	386.958	388.302	389.568	390.180
<b>65.0</b>	365.724	368.370	371.352	374.256	375.384	376.788	378.330	379.626	380.886	381.480
<b>67.5</b>	356.946	359.832	362.562	364.764	366.312	367.740	369.306	370.524	371.658	372.378
<b>70.0</b>	348.702	351.624	354.486	356.430	357.960	359.106	360.114	361.212	362.328	363.294
<b>72.5</b>	340.200	343.122	346.326	348.384	349.230	350.124	350.832	351.720	352.560	353.310
<b>75.0</b>	330.606	333.606	336.348	338.820	339.942	340.770	341.142	341.832	342.570	343.062
<b>77.5</b>	320.634	323.574	325.764	328.098	329.958	330.762	331.122	331.848	332.478	332.868
<b>80.0</b>	310.638	313.380	315.654	317.478	319.146	319.926	320.448	320.952	321.600	322.170
<b>82.5</b>	300.930	303.780	306.504	307.422	308.448	309.090	309.654	310.032	310.428	310.998
<b>85.0</b>	290.664	293.694	296.544	297.090	297.780	298.278	299.232	299.424	300.282	300.804
<b>87.5</b>	281.244	284.256	287.388	287.622	287.886	288.516	289.170	289.722	290.274	291.282
<b>90.0</b>	279.354	282.996	286.722	290.328	291.300	292.272	293.580	294.990	296.208	297.570
<b>92.5</b>	281.244	284.256	287.388	287.622	287.886	288.516	289.170	289.722	290.274	291.282
<b>95.0</b>	290.664	293.694	296.544	297.090	297.780	298.278	299.232	299.424	300.282	300.804
<b>97.5</b>	300.930	303.780	306.504	307.422	308.448	309.090	309.654	310.032	310.428	310.998
<b>100.0</b>	310.638	313.380	315.654	317.478	319.146	319.926	320.448	320.952	321.600	322.170
<b>102.5</b>	320.634	323.574	325.764	328.098	329.958	330.762	331.122	331.848	332.478	332.868
<b>105.0</b>	330.606	333.606	336.348	338.820	339.942	340.770	341.142	341.832	342.570	343.062
<b>107.5</b>	340.200	343.122	346.326	348.384	349.230	350.124	350.832	351.720	352.560	353.310
<b>110.0</b>	348.702	351.624	354.486	356.430	357.960	359.100	360.114	361.212	362.328	363.294
<b>112.5</b>	356.946	359.832	362.562	364.764	366.312	367.740	369.306	370.524	371.658	372.378
<b>115.0</b>	365.724	368.370	371.352	374.256	375.384	376.788	378.330	379.626	380.886	381.480
<b>117.5</b>	374.448	377.034	380.226	382.224	384.030	385.518	386.958	388.302	389.568	390.180
<b>120.0</b>	383.250	385.590	387.924	390.252	392.268	393.858	395.448	396.768	397.776	398.460
<b>122.5</b>	391.500	393.810	396.006	398.346	400.164	401.736	403.200	404.556	405.504	406.164
<b>125.0</b>	398.682	400.992	403.422	405.510	407.424	408.978	410.424	411.432	412.308	413.106
<b>127.5</b>	405.414	407.670	409.752	411.876	413.832	415.662	416.838	417.960	418.950	419.322
<b>130.0</b>	411.630	413.904	415.902	418.002	419.868	421.500	422.958	424.050	424.734	425.238

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	417.750	419.922	421.932	423.576	425.274	426.912	428.316	429.396	430.518	430.920
<b>135.0</b>	423.222	425.298	427.020	428.898	430.356	431.922	433.320	434.346	435.270	436.104
<b>137.5</b>	428.238	430.416	432.138	433.800	435.084	436.488	437.808	439.098	440.196	440.412
<b>140.0</b>	432.918	434.868	436.620	438.054	439.392	440.892	442.128	442.926	443.616	444.174
<b>142.5</b>	437.058	438.894	440.550	442.080	443.310	444.312	445.320	446.322	446.934	447.456
<b>145.0</b>	440.508	442.464	443.994	445.260	446.508	447.558	448.362	449.058	449.820	450.126
<b>147.5</b>	443.634	445.314	447.060	448.110	449.112	450.102	451.146	451.494	451.950	452.388
<b>150.0</b>	446.100	447.498	448.932	450.360	451.344	452.130	452.892	453.540	453.954	454.170
<b>152.5</b>	448.548	449.478	450.690	451.800	452.874	453.654	454.200	454.722	455.214	455.580
<b>155.0</b>	449.466	450.720	451.668	452.628	453.576	454.518	455.376	455.748	455.964	456.036
<b>157.5</b>	450.270	451.416	452.550	453.336	453.984	454.560	455.112	455.634	456.042	456.138
<b>160.0</b>	450.348	451.194	452.016	452.820	453.498	453.978	454.470	454.890	455.322	455.772
<b>162.5</b>	449.892	450.564	451.266	451.950	452.604	453.222	453.624	453.852	454.056	454.254
<b>165.0</b>	449.142	449.592	450.018	450.498	450.954	451.386	451.788	452.166	452.520	452.754
<b>167.5</b>	447.480	448.068	448.494	448.824	449.142	449.478	449.826	450.174	450.330	450.438
<b>170.0</b>	445.572	445.884	446.262	446.616	446.946	447.060	447.174	447.258	447.390	447.408
<b>172.5</b>	442.908	443.112	443.298	443.466	443.634	443.856	444.054	444.234	444.390	444.540
<b>175.0</b>	440.916	441.114	441.552	441.492	441.672	441.846	442.020	442.182	442.338	442.488
<b>177.5</b>	440.628	440.598	440.574	440.550	440.520	440.496	440.610	440.616	440.694	440.772
<b>180.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>225.0</u></b>	<b><u>227.5</u></b>	<b><u>230.0</u></b>	<b><u>232.5</u></b>	<b><u>235.0</u></b>	<b><u>237.5</u></b>	<b><u>240.0</u></b>	<b><u>242.5</u></b>	<b><u>245.0</u></b>	<b><u>247.5</u></b>
<b>0.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
<b>2.5</b>	440.838	440.904	440.970	441.030	441.084	441.132	441.180	441.222	441.258	441.294
<b>5.0</b>	442.632	442.788	442.938	443.100	443.256	443.394	443.526	443.646	443.748	443.844
<b>7.5</b>	444.606	444.930	445.086	445.482	445.392	445.524	445.668	445.806	445.926	446.034
<b>10.0</b>	447.468	447.504	447.510	447.486	447.444	447.372	447.954	448.152	448.098	448.248
<b>12.5</b>	450.510	450.558	450.576	450.552	450.396	450.204	449.982	449.730	449.526	449.784
<b>15.0</b>	452.874	452.994	453.000	452.850	452.670	452.460	452.208	451.926	451.608	451.242
<b>17.5</b>	454.434	454.578	454.692	454.764	454.788	454.500	454.020	453.468	452.892	452.286
<b>20.0</b>	455.916	455.976	455.766	455.550	455.328	455.046	454.752	454.236	453.576	452.892
<b>22.5</b>	456.168	456.222	456.174	455.940	455.670	455.442	455.034	454.608	453.990	453.078
<b>25.0</b>	456.078	456.078	456.054	455.976	455.676	455.142	454.584	454.014	453.420	452.718
<b>27.5</b>	455.826	455.658	455.382	455.082	454.932	454.452	454.032	453.366	452.538	451.614
<b>30.0</b>	454.374	454.434	454.470	454.266	453.792	453.096	452.442	451.794	450.810	449.802
<b>32.5</b>	452.664	452.844	452.712	452.400	452.208	451.320	450.726	449.820	449.154	447.738
<b>35.0</b>	450.642	450.498	450.432	450.132	449.766	449.232	448.290	447.132	446.028	444.930
<b>37.5</b>	447.666	447.756	447.708	447.588	446.904	446.118	445.272	444.246	443.004	441.672
<b>40.0</b>	444.570	444.678	444.468	444.096	443.712	442.932	441.768	440.472	439.038	437.454
<b>42.5</b>	440.736	440.916	441.000	440.250	439.524	438.822	437.508	436.086	434.652	433.194
<b>45.0</b>	436.614	436.512	436.158	435.690	434.964	433.950	432.792	431.526	429.870	428.238
<b>47.5</b>	431.196	431.316	431.484	430.782	429.900	429.012	427.842	426.354	424.836	422.934
<b>50.0</b>	425.664	425.748	425.562	425.322	424.752	423.648	422.310	420.762	419.064	417.114
<b>52.5</b>	419.658	419.790	419.700	419.298	418.764	417.714	416.280	414.774	412.896	410.784
<b>55.0</b>	413.496	413.406	413.190	412.740	411.930	410.940	409.872	408.024	406.146	404.178
<b>57.5</b>	406.404	406.404	406.362	405.486	404.562	403.596	402.144	400.596	398.784	396.750
<b>60.0</b>	398.844	398.790	398.310	397.626	396.738	395.538	394.146	392.508	390.552	388.386
<b>62.5</b>	390.534	390.624	390.024	389.280	388.230	387.114	385.824	384.402	382.560	380.052
<b>65.0</b>	381.816	381.930	381.498	380.628	379.620	378.396	377.280	376.284	374.196	371.472
<b>67.5</b>	372.600	372.900	372.606	371.694	370.716	369.474	368.232	367.128	365.388	362.802
<b>70.0</b>	363.306	363.636	363.444	362.514	361.524	360.696	359.790	358.560	356.856	354.450
<b>72.5</b>	353.496	353.622	353.442	352.794	352.026	351.474	351.216	350.244	348.858	345.696
<b>75.0</b>	343.272	343.308	343.206	342.768	342.090	341.958	341.508	340.602	338.598	335.964
<b>77.5</b>	333.144	333.108	332.964	332.568	331.812	331.734	331.266	329.844	327.642	325.362

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL-IES**

**CANDELA TABULATION - (Cont.)**

<b>80.0</b>	322.656	322.380	321.972	321.576	321.108	320.808	320.178	318.816	317.094	314.994
<b>82.5</b>	311.676	311.214	310.770	310.518	310.206	309.798	309.240	308.364	307.296	305.046
<b>85.0</b>	301.668	300.972	300.198	299.736	299.304	298.746	298.224	297.684	297.204	294.552
<b>87.5</b>	292.356	291.378	290.490	289.872	289.518	288.744	288.354	287.916	287.958	284.688
<b>90.0</b>	298.614	299.022	299.004	298.512	297.978	297.384	296.874	296.712	295.848	292.638
<b>92.5</b>	292.356	291.378	290.490	289.872	289.518	288.744	288.354	287.916	287.958	284.688
<b>95.0</b>	301.668	300.972	300.198	299.736	299.304	298.746	298.224	297.684	297.204	294.552
<b>97.5</b>	311.676	311.214	310.770	310.518	310.206	309.798	309.240	308.364	307.296	305.046
<b>100.0</b>	322.656	322.380	321.972	321.576	321.108	320.808	320.178	318.816	317.094	314.994
<b>102.5</b>	333.144	333.108	332.964	332.568	331.812	331.734	331.266	329.844	327.642	325.362
<b>105.0</b>	343.272	343.308	343.206	342.768	342.090	341.958	341.508	340.602	338.598	335.964
<b>107.5</b>	353.496	353.622	353.442	352.794	352.026	351.474	351.216	350.244	348.858	345.696
<b>110.0</b>	363.306	363.636	363.444	362.514	361.524	360.696	359.790	358.560	356.856	354.450
<b>112.5</b>	372.600	372.900	372.606	371.694	370.716	369.474	368.232	367.128	365.388	362.802
<b>115.0</b>	381.816	381.930	381.498	380.628	379.620	378.396	377.280	376.284	374.196	371.472
<b>117.5</b>	390.534	390.624	390.024	389.280	388.230	387.114	385.824	384.402	382.560	380.052
<b>120.0</b>	398.844	398.790	398.310	397.626	396.738	395.538	394.146	392.508	390.552	388.386
<b>122.5</b>	406.404	406.404	406.362	405.486	404.562	403.596	402.144	400.596	398.784	396.750
<b>125.0</b>	413.496	413.406	413.190	412.740	411.930	410.940	409.872	408.024	406.146	404.178
<b>127.5</b>	419.658	419.790	419.700	419.298	418.764	417.714	416.280	414.774	412.896	410.784
<b>130.0</b>	425.664	425.748	425.562	425.322	424.752	423.648	422.310	420.762	419.064	417.114
<b>132.5</b>	431.196	431.316	431.484	430.782	429.900	429.012	427.842	426.354	424.836	422.934
<b>135.0</b>	436.614	436.512	436.158	435.690	434.964	433.950	432.792	431.526	429.870	428.238
<b>137.5</b>	440.736	440.916	441.000	440.250	439.524	438.822	437.508	436.086	434.652	433.194
<b>140.0</b>	444.570	444.678	444.468	444.096	443.712	442.932	441.768	440.472	439.038	437.454
<b>142.5</b>	447.666	447.756	447.708	447.588	446.904	446.118	445.272	444.246	443.004	441.672
<b>145.0</b>	450.642	450.498	450.432	450.132	449.766	449.232	448.290	447.132	446.028	444.930
<b>147.5</b>	452.664	452.844	452.712	452.400	452.208	451.320	450.726	449.820	449.154	447.738
<b>150.0</b>	454.374	454.434	454.470	454.266	453.792	453.096	452.442	451.794	450.810	449.802
<b>152.5</b>	455.826	455.658	455.382	455.082	454.932	454.452	454.032	453.366	452.538	451.614
<b>155.0</b>	456.078	456.078	456.054	455.976	455.676	455.142	454.584	454.014	453.420	452.718
<b>157.5</b>	456.168	456.222	456.174	455.940	455.670	455.442	455.034	454.608	453.990	453.078
<b>160.0</b>	455.916	455.976	455.766	455.550	455.328	455.046	454.752	454.236	453.576	452.892
<b>162.5</b>	454.434	454.578	454.692	454.764	454.788	454.500	454.020	453.468	452.892	452.286
<b>165.0</b>	452.874	452.994	453.000	452.850	452.670	452.460	452.208	451.926	451.608	451.242
<b>167.5</b>	450.510	450.558	450.576	450.552	450.396	450.204	449.982	449.730	449.526	449.784
<b>170.0</b>	447.468	447.504	447.510	447.486	447.444	447.372	447.954	448.152	448.098	448.248
<b>172.5</b>	444.606	444.930	445.086	445.482	445.392	445.524	445.668	445.806	445.926	446.034
<b>175.0</b>	442.632	442.788	442.938	443.100	443.256	443.394	443.526	443.646	443.748	443.844
<b>177.5</b>	440.838	440.904	440.970	441.030	441.084	441.132	441.180	441.222	441.258	441.294
<b>180.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

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

	<b>250.0</b>	<b>252.5</b>	<b>255.0</b>	<b>257.5</b>	<b>260.0</b>	<b>262.5</b>	<b>265.0</b>	<b>267.5</b>	<b>270.0</b>	<b>272.5</b>
<b>0.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
<b>2.5</b>	441.318	441.342	441.360	441.378	441.456	441.414	441.450	441.480	441.504	441.480
<b>5.0</b>	443.922	443.994	444.048	444.090	444.120	444.138	444.258	444.192	444.246	444.192
<b>7.5</b>	446.130	446.208	446.268	446.316	446.352	446.364	446.364	446.364	446.436	446.364
<b>10.0</b>	448.380	448.488	448.584	448.650	448.704	448.728	448.734	448.716	448.782	448.836
<b>12.5</b>	449.892	449.976	450.036	450.084	450.108	450.114	450.096	450.060	450.096	450.048
<b>15.0</b>	451.008	451.152	451.194	451.212	451.212	451.194	451.158	451.104	451.104	451.086
<b>17.5</b>	451.662	451.032	451.128	451.092	451.038	450.978	450.900	450.816	450.774	450.798
<b>20.0</b>	452.418	451.440	450.702	450.786	450.726	450.642	450.552	450.444	450.348	450.426
<b>22.5</b>	452.148	451.200	450.234	449.592	449.496	449.346	449.190	449.028	448.866	449.016
<b>25.0</b>	451.716	450.648	449.520	448.356	448.002	447.792	447.588	447.384	447.540	447.366

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL-IES**

**CANDELA TABULATION - (Cont.)**

27.5	450.678	449.286	447.900	446.532	445.488	445.296	445.056	444.822	444.660	444.810
30.0	448.686	447.540	446.052	444.510	442.980	442.560	442.284	442.026	441.882	442.008
32.5	446.352	444.828	443.268	441.474	439.944	438.732	438.402	438.096	437.964	438.078
35.0	443.382	441.738	440.154	438.414	436.272	434.646	434.322	433.974	433.866	433.962
37.5	440.118	438.168	436.158	434.202	431.958	429.906	429.312	428.898	428.790	428.880
40.0	435.894	434.124	431.940	429.906	427.542	425.232	424.122	423.624	423.522	423.606
42.5	431.430	429.540	427.158	424.734	422.298	419.766	418.158	417.624	417.576	417.612
45.0	426.354	424.242	421.986	419.352	416.964	414.240	412.098	411.540	411.540	411.522
47.5	421.098	418.770	416.262	413.460	410.730	407.892	405.138	404.568	404.604	404.556
50.0	414.954	412.776	410.118	407.358	404.346	401.532	398.502	397.488	397.554	397.476
52.5	408.654	406.374	403.728	400.788	397.536	394.518	391.362	389.916	390.018	389.898
55.0	401.982	399.522	396.918	393.864	390.642	387.444	384.186	382.248	382.410	382.236
57.5	394.404	392.262	389.700	386.664	383.226	379.746	376.344	373.890	374.160	373.878
60.0	386.208	383.928	381.450	378.690	375.348	371.928	368.550	365.484	365.808	365.490
62.5	377.430	375.114	372.510	369.816	366.780	363.444	359.910	356.466	356.748	356.466
65.0	368.646	366.138	363.258	360.300	357.402	354.600	351.246	347.400	347.628	347.400
67.5	359.898	357.300	354.402	351.324	348.012	345.066	342.138	338.418	338.346	338.382
70.0	351.516	348.864	345.834	342.360	338.688	335.364	332.616	329.496	329.010	329.466
72.5	342.762	340.206	336.954	333.720	329.934	325.698	322.332	319.608	318.990	319.584
75.0	332.982	330.270	327.420	324.384	320.358	316.122	312.138	309.432	308.928	309.414
77.5	322.686	320.244	317.382	314.178	310.596	306.732	302.070	298.416	297.936	298.398
80.0	312.354	310.164	307.062	304.074	300.390	296.430	292.140	287.616	286.920	287.598
82.5	302.214	299.754	296.970	294.096	290.286	286.758	282.240	277.806	275.826	277.794
85.0	291.576	289.008	286.494	283.392	279.840	276.126	271.680	267.906	264.744	267.894
87.5	281.568	279.120	276.618	273.324	269.820	266.226	262.212	258.372	254.604	258.366
90.0	289.482	286.314	283.074	279.732	276.252	271.428	267.390	266.832	266.628	266.808
92.5	281.568	279.120	276.618	273.324	269.820	266.226	262.212	258.372	254.604	258.366
95.0	291.576	289.008	286.494	283.392	279.840	276.126	271.680	267.906	264.744	267.894
97.5	302.214	299.754	296.970	294.096	290.286	286.758	282.240	277.806	275.826	277.794
100.0	312.354	310.164	307.062	304.074	300.390	296.430	292.140	287.616	286.920	287.598
102.5	322.686	320.244	317.382	314.178	310.596	306.732	302.070	298.416	297.936	298.398
105.0	332.982	330.270	327.420	324.384	320.358	316.122	312.138	309.432	308.928	309.414
107.5	342.762	340.206	336.954	333.720	329.934	325.698	322.332	319.608	318.990	319.584
110.0	351.516	348.864	345.834	342.360	338.688	335.364	332.616	329.496	329.010	329.466
112.5	359.892	357.300	354.402	351.324	348.012	345.066	342.138	338.418	338.346	338.382
115.0	368.646	366.138	363.258	360.300	357.402	354.600	351.246	347.400	347.628	347.400
117.5	377.430	375.114	372.510	369.816	366.780	363.444	359.910	356.466	356.748	356.466
120.0	386.208	383.928	381.450	378.690	375.348	371.928	368.550	365.484	365.808	365.490
122.5	394.404	392.262	389.700	386.664	383.226	379.746	376.344	373.890	374.160	373.878
125.0	401.982	399.522	396.918	393.864	390.642	387.444	384.186	382.248	382.410	382.236
127.5	408.654	406.374	403.728	400.788	397.536	394.518	391.362	389.916	390.018	389.898
130.0	414.954	412.776	410.118	407.358	404.346	401.532	398.502	397.488	397.554	397.476
132.5	421.098	418.770	416.262	413.460	410.730	407.892	405.138	404.568	404.604	404.556
135.0	426.354	424.242	421.986	419.352	416.964	414.240	412.098	411.540	411.540	411.522
137.5	431.430	429.540	427.158	424.734	422.298	419.766	418.158	417.624	417.576	417.612
140.0	435.894	434.124	431.940	429.906	427.542	425.232	424.122	423.624	423.522	423.606
142.5	440.118	438.168	436.158	434.202	431.958	429.906	429.312	428.898	428.790	428.880
145.0	443.382	441.738	440.154	438.414	436.272	434.646	434.322	433.974	433.866	433.962
147.5	446.352	444.828	443.268	441.474	439.944	438.732	438.402	438.096	437.964	438.078
150.0	448.686	447.540	446.052	444.510	442.980	442.560	442.284	442.026	441.882	442.008
152.5	450.678	449.286	447.900	446.532	445.488	445.296	445.056	444.822	444.660	444.810
155.0	451.716	450.648	449.520	448.356	448.002	447.792	447.588	447.384	447.540	447.366
157.5	452.148	451.200	450.234	449.592	449.496	449.346	449.190	449.028	448.866	449.016
160.0	452.418	451.440	450.702	450.786	450.726	450.642	450.552	450.444	450.348	450.426
162.5	451.662	451.032	451.128	451.092	451.038	450.978	450.900	450.816	450.774	450.798
165.0	451.008	451.152	451.194	451.212	451.212	451.194	451.158	451.104	451.104	451.086



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.5</b>	449.892	449.976	450.036	450.084	450.108	450.114	450.096	450.060	450.096	450.048
<b>170.0</b>	448.380	448.488	448.584	448.650	448.704	448.728	448.734	448.716	448.782	448.836
<b>172.5</b>	446.130	446.208	446.268	446.316	446.352	446.364	446.364	446.364	446.436	446.364
<b>175.0</b>	443.922	443.994	444.048	444.090	444.120	444.138	444.258	444.192	444.246	444.192
<b>177.5</b>	441.318	441.342	441.360	441.378	441.456	441.414	441.450	441.480	441.504	441.480
<b>180.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

**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>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
<b>2.5</b>	441.450	441.420	441.378	441.564	441.348	441.330	441.306	441.276	441.246	441.204
<b>5.0</b>	444.132	444.126	444.108	444.078	444.036	443.976	443.910	443.826	443.736	443.628
<b>7.5</b>	446.352	446.352	446.334	446.304	446.256	446.196	446.118	446.022	445.914	445.794
<b>10.0</b>	448.722	448.716	448.686	448.638	448.572	448.476	448.368	448.236	448.086	447.918
<b>12.5</b>	450.084	450.096	450.096	450.072	450.024	449.964	449.880	449.850	449.520	449.658
<b>15.0</b>	451.140	451.182	451.200	451.200	451.182	451.140	451.002	451.170	451.536	451.854
<b>17.5</b>	450.888	450.960	451.026	451.080	451.116	451.002	451.590	452.214	452.820	453.396
<b>20.0</b>	450.534	450.630	450.714	450.774	450.690	451.362	452.340	452.820	453.510	454.164
<b>22.5</b>	449.172	449.328	449.484	449.586	450.156	451.128	452.076	453.012	453.924	454.542
<b>25.0</b>	447.576	447.780	447.990	448.278	449.448	450.576	451.644	452.652	453.354	453.948
<b>27.5</b>	445.038	445.284	445.476	446.460	447.828	449.214	450.606	451.536	452.472	453.300
<b>30.0</b>	442.272	442.548	442.908	444.438	445.980	447.474	448.608	449.736	450.744	451.734
<b>32.5</b>	438.384	438.720	439.632	441.402	443.196	444.762	446.280	447.672	449.088	449.754
<b>35.0</b>	434.310	434.634	436.200	438.342	440.088	441.666	443.310	444.864	445.968	447.072
<b>37.5</b>	429.300	429.834	431.886	434.130	436.092	438.096	440.052	441.606	442.938	444.180
<b>40.0</b>	424.110	425.160	427.464	429.834	431.868	434.052	435.828	437.394	438.978	440.406
<b>42.5</b>	418.140	419.700	422.226	424.668	427.086	429.474	431.364	433.134	434.586	436.026
<b>45.0</b>	412.086	414.174	416.898	419.286	421.914	424.176	426.288	428.178	429.804	431.466
<b>47.5</b>	405.090	407.826	410.664	413.388	416.196	418.704	421.032	422.868	424.770	426.294
<b>50.0</b>	398.436	401.466	404.280	407.292	410.046	412.716	414.894	417.048	419.004	420.702
<b>52.5</b>	391.302	394.458	397.470	400.722	403.662	406.314	408.594	410.724	412.836	414.720
<b>55.0</b>	384.126	387.384	390.564	393.798	396.858	399.462	401.928	404.118	406.086	407.970
<b>57.5</b>	376.290	379.692	383.160	386.604	389.640	392.208	394.350	396.696	398.730	400.542
<b>60.0</b>	368.496	371.874	375.288	378.630	381.390	383.874	386.154	388.332	390.498	392.460
<b>62.5</b>	359.856	363.396	366.726	369.762	372.456	375.054	377.376	379.998	382.512	384.354
<b>65.0</b>	351.198	354.552	357.348	360.246	363.204	366.090	368.592	371.424	374.148	376.236
<b>67.5</b>	342.096	345.024	347.958	351.276	354.354	357.258	359.850	362.760	365.340	367.086
<b>70.0</b>	332.580	335.322	338.646	342.318	345.792	348.822	351.474	354.408	356.814	358.518
<b>72.5</b>	322.296	325.662	329.892	333.684	336.912	340.164	342.720	345.654	348.822	350.208
<b>75.0</b>	312.108	316.092	320.322	324.354	327.384	330.234	332.946	335.928	338.562	340.572
<b>77.5</b>	302.046	306.702	310.566	314.148	317.352	320.220	322.656	325.332	327.612	329.820
<b>80.0</b>	292.122	296.406	300.366	304.050	307.038	310.140	312.324	314.970	317.070	318.792
<b>82.5</b>	282.222	286.746	290.268	294.078	296.952	299.736	302.196	305.028	307.278	308.346
<b>85.0</b>	271.668	276.114	279.828	283.380	286.482	288.996	291.558	294.540	297.192	297.672
<b>87.5</b>	262.206	266.220	269.808	273.318	276.612	279.114	281.562	284.682	287.946	287.910
<b>90.0</b>	267.342	271.284	276.102	279.600	282.924	286.164	289.494	292.494	295.710	296.586
<b>92.5</b>	262.206	266.220	269.808	273.318	276.612	279.114	281.562	284.682	287.946	287.910
<b>95.0</b>	271.668	276.114	279.828	283.380	286.482	288.996	291.558	294.540	297.192	297.672
<b>97.5</b>	282.222	286.746	290.268	294.078	296.952	299.736	302.196	305.028	307.278	308.346
<b>100.0</b>	292.122	296.406	300.366	304.050	307.038	310.140	312.324	314.970	317.070	318.792
<b>102.5</b>	302.046	306.702	310.566	314.148	317.352	320.220	322.656	325.332	327.612	329.820
<b>105.0</b>	312.108	316.092	320.322	324.354	327.384	330.234	332.946	335.928	338.562	340.572
<b>107.5</b>	322.296	325.662	329.892	333.684	336.912	340.164	342.720	345.654	348.822	350.208
<b>110.0</b>	332.580	335.322	338.646	342.318	345.792	348.822	351.474	354.408	356.814	358.518
<b>112.5</b>	342.096	345.024	347.958	351.276	354.354	357.258	359.844	362.760	365.340	367.086

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

<b>115.0</b>	351.198	354.552	357.348	360.246	363.204	366.090	368.592	371.424	374.148	376.236
<b>117.5</b>	359.856	363.396	366.726	369.762	372.456	375.054	377.376	379.998	382.512	384.354
<b>120.0</b>	368.496	371.874	375.288	378.630	381.390	383.874	386.154	388.332	390.498	392.460
<b>122.5</b>	376.290	379.692	383.160	386.604	389.640	392.208	394.350	396.696	398.730	400.542
<b>125.0</b>	384.126	387.384	390.564	393.798	396.858	399.462	401.928	404.118	406.086	407.970
<b>127.5</b>	391.302	394.458	397.470	400.722	403.662	406.314	408.594	410.724	412.836	414.720
<b>130.0</b>	398.436	401.466	404.280	407.292	410.046	412.716	414.894	417.048	419.004	420.702
<b>132.5</b>	405.090	407.826	410.664	413.388	416.196	418.704	421.032	422.868	424.770	426.294
<b>135.0</b>	412.086	414.174	416.898	419.286	421.914	424.176	426.288	428.178	429.804	431.466
<b>137.5</b>	418.140	419.700	422.226	424.668	427.086	429.474	431.364	433.134	434.586	436.026
<b>140.0</b>	424.110	425.160	427.464	429.834	431.868	434.052	435.828	437.394	438.978	440.406
<b>142.5</b>	429.300	429.834	431.886	434.130	436.092	438.096	440.052	441.606	442.938	444.180
<b>145.0</b>	434.310	434.634	436.200	438.342	440.088	441.666	443.310	444.864	445.968	447.072
<b>147.5</b>	438.384	438.720	439.632	441.402	443.196	444.762	446.280	447.672	449.088	449.754
<b>150.0</b>	442.272	442.548	442.908	444.438	445.980	447.474	448.608	449.736	450.744	451.734
<b>152.5</b>	445.038	445.284	445.476	446.460	447.828	449.214	450.606	451.536	452.472	453.300
<b>155.0</b>	447.576	447.780	447.990	448.278	449.448	450.576	451.644	452.652	453.354	453.948
<b>157.5</b>	449.172	449.328	449.484	449.586	450.156	451.128	452.076	453.012	453.924	454.542
<b>160.0</b>	450.534	450.630	450.714	450.774	450.690	451.362	452.340	452.820	453.510	454.164
<b>162.5</b>	450.888	450.960	451.026	451.080	451.116	451.002	451.590	452.214	452.820	453.396
<b>165.0</b>	451.140	451.182	451.200	451.200	451.182	451.140	451.002	451.170	451.536	451.854
<b>167.5</b>	450.084	450.096	450.096	450.072	450.024	449.964	449.880	449.850	449.520	449.658
<b>170.0</b>	448.722	448.716	448.686	448.638	448.572	448.476	448.368	448.236	448.086	447.918
<b>172.5</b>	446.352	446.352	446.334	446.304	446.256	446.196	446.118	446.022	445.914	445.794
<b>175.0</b>	444.132	444.126	444.108	444.078	444.036	443.976	443.910	443.826	443.736	443.628
<b>177.5</b>	441.450	441.420	441.378	441.564	441.348	441.330	441.306	441.276	441.246	441.204
<b>180.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

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

	<u><b>300.0</b></u>	<u><b>302.5</b></u>	<u><b>305.0</b></u>	<u><b>307.5</b></u>	<u><b>310.0</b></u>	<u><b>312.5</b></u>	<u><b>315.0</b></u>	<u><b>317.5</b></u>	<u><b>320.0</b></u>	<u><b>322.5</b></u>
<b>0.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
<b>2.5</b>	441.162	441.120	441.066	441.012	440.952	440.892	440.826	440.754	440.682	440.604
<b>5.0</b>	443.514	443.382	443.244	443.088	442.926	442.776	442.620	442.476	442.326	442.170
<b>7.5</b>	445.656	445.512	445.380	445.230	445.074	444.918	444.594	444.576	444.312	444.156
<b>10.0</b>	447.942	447.354	447.366	447.414	447.432	447.426	447.396	447.336	447.318	447.186
<b>12.5</b>	449.910	450.132	450.324	450.480	450.504	450.486	450.444	450.366	450.258	450.114
<b>15.0</b>	452.136	452.388	452.604	452.784	452.928	452.934	452.814	452.688	452.460	452.106
<b>17.5</b>	453.954	454.428	454.860	454.704	454.626	454.512	454.368	454.194	453.996	453.792
<b>20.0</b>	454.686	454.980	455.268	455.490	455.706	455.916	455.856	455.712	455.304	454.836
<b>22.5</b>	454.968	455.376	455.610	455.880	456.114	456.120	456.114	456.078	455.988	455.580
<b>25.0</b>	454.524	455.076	455.616	455.868	455.994	456.024	456.018	455.982	455.910	455.694
<b>27.5</b>	453.972	454.392	454.692	455.022	455.322	455.598	455.772	455.526	455.172	454.680
<b>30.0</b>	452.382	453.036	453.732	454.206	454.410	454.380	454.410	454.122	453.912	453.498
<b>32.5</b>	450.486	451.260	452.148	452.340	452.658	452.796	452.616	452.346	451.908	451.452
<b>35.0</b>	448.230	449.172	449.706	450.072	450.384	450.450	450.594	450.084	449.868	449.022
<b>37.5</b>	445.212	446.058	446.844	447.528	447.660	447.714	447.618	447.420	446.898	446.292
<b>40.0</b>	441.702	442.872	443.658	444.048	444.420	444.636	444.534	444.138	443.586	442.896
<b>42.5</b>	437.448	438.864	439.470	440.202	440.952	440.880	440.694	440.382	440.154	439.074
<b>45.0</b>	432.738	433.896	434.916	435.642	436.116	436.440	436.578	436.074	435.240	434.316
<b>47.5</b>	427.878	428.964	429.852	430.740	431.436	431.274	431.160	430.890	430.488	429.372
<b>50.0</b>	422.256	423.594	424.698	425.274	425.526	425.706	425.634	425.208	424.710	424.026
<b>52.5</b>	416.226	417.660	418.794	419.256	419.658	419.754	419.628	419.292	418.980	417.936
<b>55.0</b>	409.818	410.892	411.888	412.698	413.154	413.370	413.466	413.076	412.284	411.414
<b>57.5</b>	402.096	403.548	404.520	405.444	406.320	406.374	406.374	406.140	405.486	404.538
<b>60.0</b>	394.098	395.490	396.696	397.590	398.274	398.754	398.820	398.436	397.758	396.756

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

62.5	385.782	387.072	388.194	389.244	389.988	390.594	390.510	390.156	389.550	388.284
65.0	377.238	378.354	379.578	380.592	381.462	381.900	381.792	381.456	380.868	379.608
67.5	368.190	369.432	370.680	371.658	372.570	372.876	372.576	372.354	371.640	370.506
70.0	359.754	360.660	361.494	362.478	363.414	363.612	363.288	363.276	362.310	361.200
72.5	350.880	351.444	351.996	352.764	353.412	353.604	353.478	353.292	352.548	351.702
75.0	341.478	341.928	342.060	342.744	343.182	343.284	343.254	343.038	342.552	341.820
77.5	331.242	331.716	331.788	332.544	332.946	333.090	333.126	332.850	332.460	331.830
80.0	320.160	320.790	321.090	321.558	321.966	322.368	322.644	322.158	321.588	320.940
82.5	309.222	309.786	310.194	310.506	310.758	311.202	311.664	310.986	310.416	310.026
85.0	298.212	298.734	299.292	299.724	300.186	300.966	301.662	300.792	300.276	299.418
87.5	288.342	288.738	289.512	289.866	290.484	291.372	292.350	291.276	290.268	289.722
90.0	296.754	297.258	297.864	298.392	298.890	298.926	298.524	297.492	296.130	294.924
92.5	288.342	288.738	289.512	289.866	290.484	291.372	292.350	291.282	290.268	289.722
95.0	298.212	298.734	299.292	299.724	300.186	300.966	301.662	300.792	300.276	299.418
97.5	309.222	309.786	310.194	310.506	310.758	311.202	311.664	310.986	310.416	310.026
100.0	320.160	320.790	321.090	321.558	321.966	322.368	322.644	322.158	321.588	320.940
102.5	331.242	331.716	331.788	332.544	332.946	333.090	333.126	332.850	332.460	331.830
105.0	341.478	341.928	342.060	342.744	343.182	343.284	343.254	343.038	342.552	341.820
107.5	350.880	351.444	351.996	352.764	353.412	353.604	353.478	353.292	352.548	351.702
110.0	359.754	360.660	361.494	362.478	363.414	363.612	363.288	363.276	362.310	361.200
112.5	368.190	369.432	370.680	371.658	372.570	372.876	372.576	372.354	371.640	370.506
115.0	377.238	378.354	379.578	380.592	381.462	381.900	381.792	381.456	380.868	379.608
117.5	385.782	387.072	388.194	389.244	389.988	390.594	390.510	390.156	389.550	388.284
120.0	394.098	395.490	396.696	397.590	398.274	398.754	398.820	398.436	397.758	396.756
122.5	402.096	403.548	404.520	405.444	406.320	406.374	406.374	406.140	405.486	404.538
125.0	409.818	410.892	411.888	412.698	413.154	413.370	413.466	413.076	412.284	411.414
127.5	416.226	417.660	418.794	419.256	419.658	419.754	419.628	419.292	418.980	417.936
130.0	422.256	423.594	424.698	425.274	425.526	425.706	425.634	425.208	424.710	424.026
132.5	427.878	428.964	429.852	430.740	431.436	431.274	431.160	430.890	430.488	429.372
135.0	432.738	433.896	434.916	435.642	436.116	436.440	436.578	436.074	435.240	434.316
137.5	437.448	438.864	439.470	440.202	440.952	440.880	440.694	440.382	440.154	439.074
140.0	441.702	442.872	443.658	444.048	444.420	444.636	444.534	444.138	443.586	442.896
142.5	445.212	446.058	446.844	447.528	447.660	447.714	447.618	447.420	446.898	446.292
145.0	448.230	449.172	449.706	450.072	450.384	450.450	450.594	450.084	449.868	449.022
147.5	450.486	451.260	452.148	452.340	452.658	452.796	452.616	452.346	451.908	451.452
150.0	452.382	453.036	453.732	454.206	454.410	454.380	454.410	454.122	453.912	453.498
152.5	453.972	454.392	454.692	455.022	455.322	455.598	455.772	455.526	455.172	454.680
155.0	454.524	455.076	455.616	455.868	455.994	456.024	456.018	455.982	455.910	455.694
157.5	454.968	455.376	455.610	455.880	456.114	456.120	456.114	456.078	455.988	455.580
160.0	454.686	454.980	455.268	455.490	455.706	455.916	455.856	455.712	455.304	454.836
162.5	453.954	454.428	454.860	454.704	454.626	454.512	454.368	454.194	453.996	453.792
165.0	452.136	452.388	452.604	452.784	452.928	452.934	452.814	452.688	452.460	452.106
167.5	449.910	450.132	450.324	450.480	450.504	450.486	450.444	450.366	450.258	450.114
170.0	447.942	447.354	447.366	447.414	447.432	447.426	447.396	447.336	447.318	447.186
172.5	445.656	445.512	445.380	445.230	445.074	444.918	444.594	444.576	444.312	444.156
175.0	443.514	443.382	443.244	443.088	442.926	442.776	442.620	442.476	442.326	442.170
177.5	441.162	441.120	441.066	441.012	440.952	440.892	440.826	440.754	440.682	440.604
180.0	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

**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	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754
2.5	440.598	440.484	440.508	440.532	440.562	440.586	440.610	440.640	440.664	440.688
5.0	442.008	441.834	441.660	441.480	441.294	441.252	440.904	440.706	440.604	440.652
7.5	443.982	443.778	443.556	443.394	443.226	443.040	442.836	442.614	442.380	442.128

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

10.0	447.102	446.988	446.874	446.544	446.190	445.812	445.506	445.200	444.882	444.738
12.5	449.766	449.418	449.076	448.764	448.428	448.008	447.414	446.802	446.334	445.848
15.0	451.728	451.326	450.894	450.438	449.958	449.532	449.082	448.440	447.684	447.078
17.5	453.564	453.162	452.646	451.890	451.212	450.504	449.832	449.184	448.380	447.450
20.0	454.410	453.918	453.444	452.766	451.962	451.140	450.294	449.472	448.692	447.708
22.5	455.058	454.506	453.930	453.288	452.502	451.374	450.228	449.082	448.014	446.988
25.0	455.322	454.476	453.534	452.586	451.626	450.678	449.430	448.164	446.928	445.734
27.5	454.158	453.612	452.832	451.758	450.648	449.442	448.344	446.748	445.200	443.718
30.0	452.850	452.088	451.308	450.330	448.902	447.474	446.076	444.642	442.944	441.270
32.5	451.110	450.072	449.082	448.080	447.024	445.284	443.610	441.954	440.208	438.210
35.0	448.332	447.534	446.484	445.230	444.048	442.446	440.496	438.558	436.686	434.598
37.5	445.290	444.282	443.286	442.056	440.532	438.876	437.046	434.850	432.678	430.590
40.0	442.104	440.868	439.374	438.036	436.608	434.850	432.912	430.674	428.220	425.952
42.5	437.784	436.464	435.066	433.596	432.126	430.410	428.232	425.976	423.390	420.864
45.0	433.296	431.898	430.338	428.880	427.008	425.292	423.216	420.816	418.290	415.500
47.5	428.352	426.894	425.256	423.564	421.926	419.916	417.744	415.164	412.572	409.578
50.0	422.940	421.482	419.856	417.996	415.896	413.898	411.630	409.260	406.494	403.452
52.5	416.820	415.644	413.820	411.864	409.740	407.664	405.408	402.792	399.930	396.852
55.0	410.406	408.966	407.412	405.504	403.458	400.992	398.676	396.090	393.282	390.090
57.5	403.188	401.724	400.158	398.346	396.006	393.804	391.506	388.992	385.968	382.842
60.0	395.436	393.846	392.262	390.246	387.924	385.584	383.256	380.700	378.180	375.234
62.5	386.946	385.506	384.024	382.212	380.250	377.034	374.430	372.006	369.330	366.354
65.0	378.318	376.776	375.372	374.244	371.352	368.370	365.724	362.952	359.952	356.988
67.5	369.294	367.728	366.300	364.758	362.562	359.832	356.946	354.180	351.276	348.132
70.0	360.102	359.088	357.948	356.418	354.480	351.624	348.702	345.984	342.738	339.216
72.5	350.820	350.112	349.218	348.378	346.326	343.116	340.200	337.476	334.152	330.924
75.0	341.130	340.764	339.936	338.814	336.348	333.606	330.606	327.948	325.014	321.954
77.5	331.110	330.750	329.952	328.092	325.764	323.580	320.628	318.240	315.402	312.036
80.0	320.436	319.914	319.140	317.472	315.648	313.380	310.638	308.394	305.274	302.328
82.5	309.642	309.084	308.442	307.416	306.498	303.780	300.924	298.422	295.584	292.686
85.0	299.232	298.272	297.774	297.084	296.538	293.694	290.658	288.138	285.570	282.444
87.5	289.164	288.510	287.880	287.622	287.388	284.256	281.244	278.688	276.162	272.856
90.0	293.520	292.212	291.252	290.280	286.698	282.978	279.342	276.126	272.610	268.626
92.5	289.164	288.510	287.880	287.622	287.388	284.256	281.244	278.688	276.162	272.856
95.0	299.232	298.272	297.774	297.084	296.538	293.694	290.658	288.138	285.570	282.444
97.5	309.642	309.084	308.442	307.416	306.498	303.780	300.924	298.422	295.584	292.686
100.0	320.436	319.914	319.140	317.472	315.648	313.380	310.638	308.394	305.274	302.328
102.5	331.110	330.750	329.952	328.092	325.764	323.580	320.628	318.240	315.402	312.036
105.0	341.130	340.764	339.936	338.814	336.348	333.606	330.606	327.948	325.008	321.954
107.5	350.820	350.112	349.218	348.378	346.326	343.116	340.200	337.476	334.152	330.924
110.0	360.102	359.088	357.948	356.418	354.480	351.624	348.702	345.984	342.738	339.216
112.5	369.294	367.728	366.300	364.758	362.562	359.832	356.946	354.180	351.276	348.132
115.0	378.318	376.776	375.372	374.244	371.352	368.370	365.724	362.952	359.952	356.988
117.5	386.946	385.506	384.024	382.212	380.250	377.034	374.430	372.006	369.330	366.354
120.0	395.436	393.846	392.262	390.246	387.924	385.584	383.256	380.700	378.180	375.234
122.5	403.188	401.724	400.158	398.346	396.006	393.804	391.506	388.992	385.968	382.842
125.0	410.406	408.966	407.412	405.504	403.458	400.992	398.676	396.090	393.282	390.090
127.5	416.820	415.644	413.820	411.864	409.740	407.664	405.408	402.792	399.930	396.852
130.0	422.940	421.482	419.856	417.996	415.896	413.898	411.630	409.266	406.494	403.452
132.5	428.352	426.894	425.256	423.564	421.926	419.916	417.744	415.164	412.572	409.578
135.0	433.296	431.898	430.338	428.880	427.008	425.292	423.216	420.816	418.290	415.500
137.5	437.784	436.464	435.066	433.596	432.126	430.410	428.232	425.976	423.390	420.864
140.0	442.104	440.868	439.374	438.036	436.608	434.850	432.912	430.674	428.220	425.952
142.5	445.290	444.282	443.286	442.056	440.532	438.876	437.046	434.850	432.678	430.590
145.0	448.332	447.534	446.484	445.230	444.048	442.446	440.496	438.558	436.686	434.598
147.5	451.110	450.072	449.082	448.080	447.024	445.284	443.610	441.954	440.208	438.210

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

<b>150.0</b>	452.850	452.088	451.308	450.330	448.902	447.474	446.076	444.642	442.944	441.270
<b>152.5</b>	454.158	453.612	452.832	451.758	450.648	449.442	448.344	446.748	445.200	443.718
<b>155.0</b>	455.322	454.476	453.534	452.586	451.626	450.678	449.430	448.164	446.928	445.734
<b>157.5</b>	455.058	454.506	453.930	453.288	452.502	451.374	450.228	449.082	448.014	446.988
<b>160.0</b>	454.410	453.918	453.444	452.766	451.962	451.140	450.294	449.472	448.692	447.708
<b>162.5</b>	453.564	453.162	452.646	451.890	451.212	450.504	449.832	449.184	448.380	447.450
<b>165.0</b>	451.728	451.326	450.894	450.438	449.958	449.532	449.082	448.440	447.684	447.078
<b>167.5</b>	449.766	449.418	449.076	448.764	448.428	448.008	447.414	446.802	446.334	445.848
<b>170.0</b>	447.102	446.988	446.874	446.544	446.190	445.812	445.506	445.200	444.882	444.738
<b>172.5</b>	443.982	443.778	443.556	443.394	443.226	443.040	442.836	442.614	442.380	442.128
<b>175.0</b>	442.008	441.834	441.660	441.480	441.294	441.252	440.904	440.706	440.604	440.652
<b>177.5</b>	440.598	440.484	440.508	440.532	440.562	440.586	440.610	440.640	440.664	440.688
<b>180.0</b>	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754	440.754

**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>	440.754	440.754	440.754	440.754	440.754
<b>2.5</b>	440.712	440.736	440.760	440.796	440.808
<b>5.0</b>	440.700	440.748	440.796	440.844	440.886
<b>7.5</b>	441.942	442.050	442.152	442.236	442.308
<b>10.0</b>	444.162	443.838	443.958	444.060	444.156
<b>12.5</b>	445.350	444.840	444.642	444.768	444.882
<b>15.0</b>	446.484	445.878	445.302	445.668	445.770
<b>17.5</b>	446.664	445.908	445.146	445.074	445.224
<b>20.0</b>	446.694	445.830	444.954	444.624	444.822
<b>22.5</b>	445.638	444.582	443.538	442.902	443.082
<b>25.0</b>	444.450	443.130	441.966	441.060	441.252
<b>27.5</b>	442.332	440.730	439.380	438.144	438.342
<b>30.0</b>	439.728	438.042	436.560	435.156	435.234
<b>32.5</b>	436.362	434.544	432.804	431.172	431.130
<b>35.0</b>	432.540	430.662	428.772	427.002	426.804
<b>37.5</b>	428.232	426.090	424.050	422.118	421.752
<b>40.0</b>	423.432	421.062	418.926	416.880	416.358
<b>42.5</b>	418.332	415.710	413.412	411.198	410.502
<b>45.0</b>	412.938	410.064	407.646	405.306	404.436
<b>47.5</b>	406.824	403.842	401.202	398.814	397.776
<b>50.0</b>	400.392	397.296	394.422	391.956	390.702
<b>52.5</b>	393.684	390.528	387.504	384.882	383.400
<b>55.0</b>	386.838	383.502	380.148	377.502	375.828
<b>57.5</b>	379.494	376.086	372.672	369.774	367.932
<b>60.0</b>	371.826	368.310	364.620	361.722	359.676
<b>62.5</b>	363.282	359.970	356.196	353.250	350.976
<b>65.0</b>	354.168	351.486	347.640	344.580	342.048
<b>67.5</b>	344.712	342.018	338.820	335.874	333.192
<b>70.0</b>	335.580	332.556	329.616	327.018	324.162
<b>72.5</b>	327.126	322.962	319.494	317.448	314.664
<b>75.0</b>	317.784	313.734	309.654	307.488	305.016
<b>77.5</b>	308.412	304.590	299.826	296.712	294.630
<b>80.0</b>	298.494	294.708	290.340	286.230	284.172
<b>82.5</b>	288.846	285.456	280.830	276.690	273.738
<b>85.0</b>	278.880	275.226	270.738	267.168	263.340
<b>87.5</b>	269.322	265.770	261.756	258.012	253.896
<b>90.0</b>	264.450	260.172	256.002	251.202	249.834
<b>92.5</b>	269.322	265.770	261.756	258.012	253.896
<b>95.0</b>	278.880	275.226	270.738	267.168	263.340

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**CANDELA TABULATION - (Cont.)**

<b>97.5</b>	288.846	285.456	280.830	276.690	273.738
<b>100.0</b>	298.494	294.708	290.340	286.230	284.172
<b>102.5</b>	308.412	304.590	299.826	296.712	294.630
<b>105.0</b>	317.784	313.734	309.654	307.488	305.016
<b>107.5</b>	327.126	322.962	319.494	317.448	314.664
<b>110.0</b>	335.580	332.556	329.616	327.018	324.162
<b>112.5</b>	344.712	342.018	338.820	335.874	333.192
<b>115.0</b>	354.168	351.486	347.640	344.580	342.048
<b>117.5</b>	363.282	359.970	356.196	353.250	350.976
<b>120.0</b>	371.826	368.310	364.620	361.722	359.676
<b>122.5</b>	379.494	376.086	372.672	369.774	367.932
<b>125.0</b>	386.838	383.502	380.148	377.502	375.828
<b>127.5</b>	393.684	390.528	387.504	384.882	383.400
<b>130.0</b>	400.392	397.296	394.422	391.956	390.702
<b>132.5</b>	406.824	403.842	401.202	398.814	397.776
<b>135.0</b>	412.938	410.064	407.646	405.306	404.436
<b>137.5</b>	418.332	415.710	413.412	411.198	410.502
<b>140.0</b>	423.432	421.062	418.926	416.880	416.358
<b>142.5</b>	428.232	426.090	424.050	422.118	421.752
<b>145.0</b>	432.540	430.662	428.772	427.002	426.804
<b>147.5</b>	436.362	434.544	432.804	431.172	431.130
<b>150.0</b>	439.728	438.042	436.560	435.156	435.234
<b>152.5</b>	442.332	440.730	439.380	438.144	438.342
<b>155.0</b>	444.450	443.130	441.966	441.060	441.252
<b>157.5</b>	445.638	444.582	443.538	442.902	443.082
<b>160.0</b>	446.694	445.830	444.954	444.624	444.822
<b>162.5</b>	446.664	445.908	445.146	445.074	445.224
<b>165.0</b>	446.484	445.878	445.302	445.668	445.770
<b>167.5</b>	445.350	444.840	444.642	444.768	444.882
<b>170.0</b>	444.162	443.838	443.958	444.060	444.156
<b>172.5</b>	441.942	442.050	442.152	442.236	442.308
<b>175.0</b>	440.700	440.748	440.796	440.844	440.886
<b>177.5</b>	440.712	440.736	440.760	440.796	440.808
<b>180.0</b>	440.754	440.754	440.754	440.754	440.754

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	170.04	N.A.	3.60
0-30	378.48	N.A.	8.00
0-40	655.75	N.A.	13.80
0-60	1342.35	N.A.	28.30
0-80	2056.07	N.A.	43.30
0-90	2374.05	N.A.	50.00
10-90	2331.67	N.A.	49.10
20-40	485.71	N.A.	10.20
20-50	814.08	N.A.	17.10
40-70	1050.95	N.A.	22.10
60-80	713.72	N.A.	15.00
70-80	349.37	N.A.	7.40
80-90	317.98	N.A.	6.70
90-110	667.35	N.A.	14.10
90-120	1031.7	N.A.	21.70
90-130	1389.93	N.A.	29.30
90-150	1995.57	N.A.	42.00
90-180	2374.05	N.A.	50.00
110-180	1706.7	N.A.	35.90
0-180	4748.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	42.38
10-20	127.65
20-30	208.44
30-40	277.27
40-50	328.37
50-60	358.23
60-70	364.35
70-80	349.37
80-90	317.98
90-100	317.98
100-110	349.37
110-120	364.35
120-130	358.23
130-140	328.37
140-150	277.27
150-160	208.44
160-170	127.65
170-180	42.38

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ZIS-14-LED4-LO-SAL.IES**

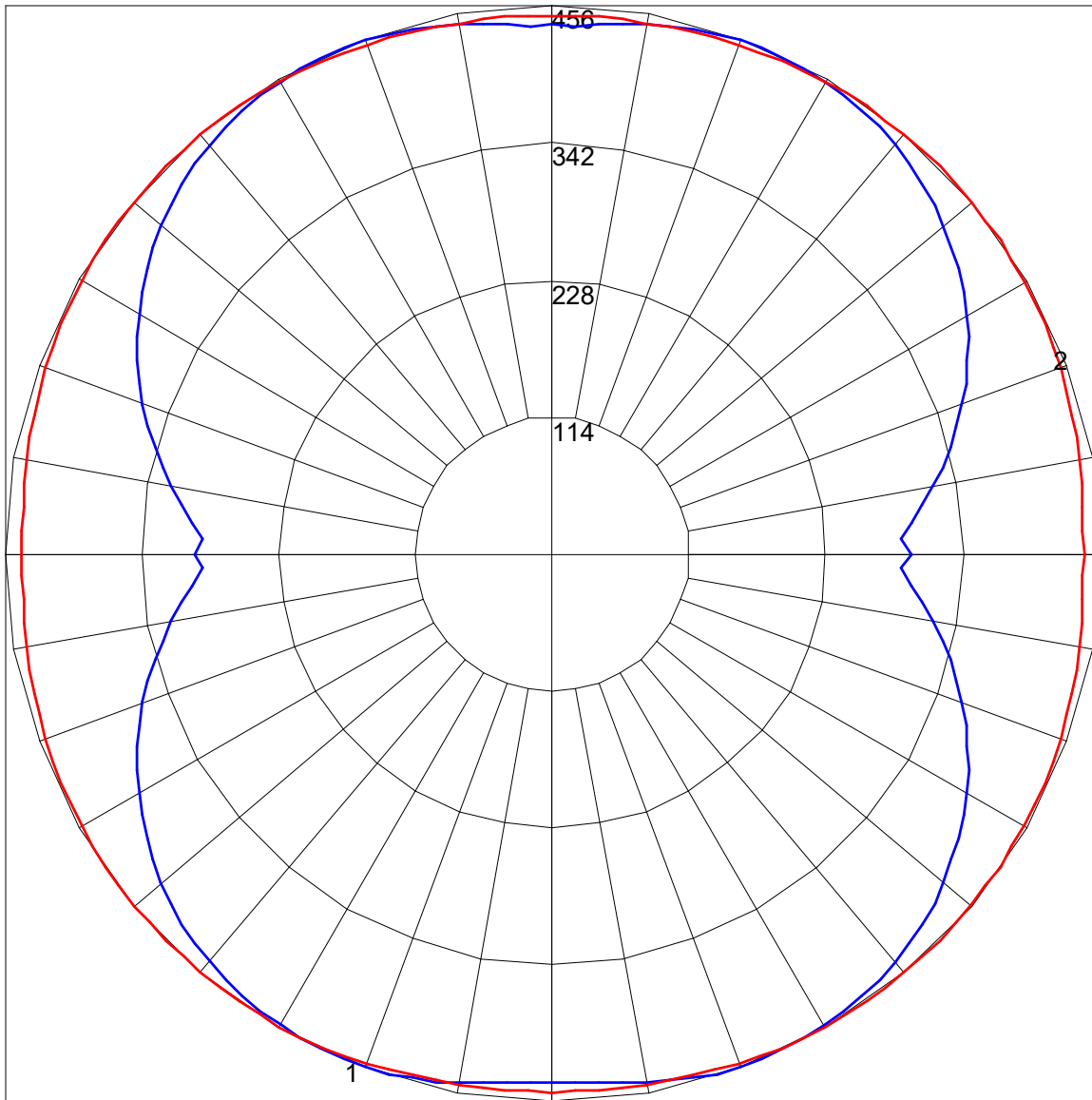
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	44	43	41	35
2	85	76	68	62	77	70	63	57	58	53	49	47	43	40	37	35	32	27
3	77	66	57	50	70	60	53	47	50	44	39	41	36	33	32	29	26	22
4	70	57	48	42	63	53	45	39	44	38	33	36	31	27	28	24	22	18
5	64	51	42	35	58	47	39	33	39	33	28	32	27	23	25	21	18	15
6	58	45	36	30	53	42	34	28	35	28	24	28	23	20	22	19	16	13
7	54	41	32	26	49	37	30	24	31	25	21	26	21	17	20	17	14	11
8	50	37	28	23	45	34	26	21	28	22	18	23	18	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 = 456.288 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.)