



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ZNIA-2LEDHE-55L-DA-W-40-ID.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-10925
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 01/06/21
[TESTDATE] 04/03/19
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] ZNIA-2LEDHE-55L-DA-W-40-ID
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_COLORTEMP] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	53013
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	389
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	336	360	384	409	433	457	481	506	530	554
95.0	768	806	845	883	922	960	999	1037	1076	1114
97.5	1297	1343	1390	1436	1482	1529	1575	1621	1668	1714
100.0	1887	1941	1995	2048	2102	2156	2210	2263	2317	2371
102.5	2528	2587	2646	2704	2763	2822	2881	2939	2998	3057
105.0	3190	3253	3316	3380	3443	3506	3569	3633	3696	3759
107.5	3876	3942	4007	4073	4138	4204	4269	4335	4400	4466
110.0	4604	4667	4729	4792	4855	4917	4980	5043	5105	5168
112.5	5331	5391	5452	5512	5573	5633	5694	5754	5815	5875
115.0	6023	6085	6146	6208	6269	6331	6392	6454	6515	6577
117.5	6715	6775	6836	6896	6957	7017	7078	7138	7199	7259
120.0	7401	7460	7519	7578	7637	7695	7754	7813	7872	7931
122.5	8083	8140	8196	8253	8309	8366	8422	8479	8535	8592
125.0	8760	8814	8867	8921	8975	9028	9082	9136	9189	9243
127.5	9416	9467	9519	9570	9622	9673	9725	9776	9828	9879
130.0	10098	10145	10192	10239	10286	10332	10379	10426	10473	10520
132.5	10733	10777	10821	10865	10909	10954	10998	11042	11086	11130

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CANDELA TABULATION - (Cont.)

135.0	11379	11420	11462	11503	11544	11586	11627	11668	11710	11751
137.5	11980	12020	12060	12100	12140	12181	12221	12261	12301	12341
140.0	12560	12597	12633	12670	12707	12743	12780	12817	12853	12890
142.5	13119	13154	13188	13223	13257	13292	13326	13361	13395	13430
145.0	13653	13684	13715	13746	13777	13809	13840	13871	13902	13933
147.5	14147	14175	14203	14232	14260	14288	14316	14345	14373	14401
150.0	14615	14640	14666	14691	14717	14742	14768	14793	14819	14844
152.5	15032	15055	15078	15101	15124	15148	15171	15194	15217	15240
155.0	15413	15434	15455	15476	15497	15518	15539	15560	15581	15602
157.5	15744	15764	15784	15803	15823	15843	15863	15882	15902	15922
160.0	16054	16071	16088	16105	16122	16139	16156	16173	16190	16207
162.5	16314	16329	16344	16360	16375	16390	16405	16421	16436	16451
165.0	16522	16537	16552	16566	16581	16596	16611	16625	16640	16655
167.5	16690	16704	16718	16732	16746	16761	16775	16789	16803	16817
170.0	16812	16825	16838	16851	16864	16877	16890	16903	16916	16929
172.5	16909	16920	16932	16943	16954	16966	16977	16988	17000	17011
175.0	16955	16965	16975	16985	16995	17006	17016	17026	17036	17046
177.5	16970	16979	16988	16997	17006	17015	17024	17033	17042	17051
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

Vert. Angles	Horizontal Angles									
	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	590	625	661	697	732	768	804	839	875	905
95.0	1150	1186	1223	1259	1295	1331	1368	1404	1440	1470
97.5	1752	1791	1829	1868	1906	1945	1983	2022	2060	2093
100.0	2411	2450	2490	2529	2569	2608	2648	2687	2727	2760
102.5	3098	3139	3179	3220	3261	3302	3342	3383	3424	3453
105.0	3803	3846	3890	3933	3977	4020	4064	4107	4151	4182
107.5	4511	4556	4602	4647	4692	4737	4783	4828	4873	4907
110.0	5219	5271	5322	5374	5425	5477	5528	5580	5631	5662
112.5	5926	5978	6029	6081	6132	6184	6235	6287	6338	6369
115.0	6631	6686	6740	6794	6849	6903	6957	7012	7066	7094
117.5	7314	7369	7423	7478	7533	7588	7642	7697	7752	7781
120.0	7987	8044	8100	8157	8213	8270	8326	8383	8439	8466
122.5	8648	8704	8760	8816	8871	8927	8983	9039	9095	9124
125.0	9298	9353	9407	9462	9517	9572	9626	9681	9736	9767
127.5	9933	9986	10040	10094	10147	10201	10255	10308	10362	10394
130.0	10573	10626	10679	10732	10786	10839	10892	10945	10998	11025
132.5	11181	11232	11283	11334	11384	11435	11486	11537	11588	11613
135.0	11797	11843	11888	11934	11980	12026	12071	12117	12163	12187
137.5	12385	12428	12472	12515	12559	12602	12646	12689	12733	12754
140.0	12932	12974	13016	13058	13099	13141	13183	13225	13267	13289
142.5	13470	13510	13550	13590	13631	13671	13711	13751	13791	13810
145.0	13970	14008	14045	14082	14120	14157	14194	14232	14269	14289
147.5	14437	14472	14508	14544	14579	14615	14651	14686	14722	14742
150.0	14877	14910	14942	14975	15008	15041	15073	15106	15139	15157
152.5	15270	15300	15330	15360	15390	15420	15450	15480	15510	15528
155.0	15630	15657	15685	15713	15740	15768	15796	15823	15851	15866
157.5	15946	15971	15995	16019	16044	16068	16092	16117	16141	16154
160.0	16228	16250	16271	16293	16314	16336	16357	16379	16400	16411
162.5	16469	16486	16504	16521	16539	16556	16574	16591	16609	16618
165.0	16669	16682	16696	16709	16723	16736	16750	16763	16777	16785
167.5	16828	16839	16849	16860	16871	16882	16892	16903	16914	16920
170.0	16938	16947	16956	16965	16975	16984	16993	17002	17011	17015
172.5	17019	17027	17035	17043	17050	17058	17066	17074	17082	17085
175.0	17053	17061	17068	17075	17083	17090	17097	17105	17112	17115
177.5	17058	17066	17073	17081	17088	17096	17103	17111	17118	17120
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

Vert. Angles **Horizontal Angles**

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	935	965	995	1025	1055	1085	1115	1145	1161	1177
95.0	1500	1530	1560	1589	1619	1649	1679	1709	1722	1735
97.5	2126	2158	2191	2224	2257	2289	2322	2355	2369	2382
100.0	2793	2825	2858	2891	2924	2956	2989	3022	3034	3046
102.5	3482	3510	3539	3568	3597	3625	3654	3683	3698	3713
105.0	4213	4244	4275	4307	4338	4369	4400	4431	4445	4458
107.5	4941	4975	5009	5043	5077	5111	5145	5179	5190	5201
110.0	5693	5724	5755	5787	5818	5849	5880	5911	5922	5933
112.5	6400	6431	6462	6494	6525	6556	6587	6618	6629	6641
115.0	7122	7151	7179	7207	7235	7264	7292	7320	7331	7343
117.5	7811	7840	7870	7899	7929	7958	7988	8017	8026	8035
120.0	8493	8520	8547	8575	8602	8629	8656	8683	8695	8708
122.5	9153	9182	9211	9239	9268	9297	9326	9355	9365	9374
125.0	9797	9828	9858	9889	9919	9950	9980	10011	10021	10030
127.5	10425	10457	10489	10520	10552	10584	10615	10647	10654	10662
130.0	11051	11078	11104	11131	11157	11184	11210	11237	11244	11251
132.5	11639	11664	11690	11715	11741	11766	11792	11817	11822	11827
135.0	12212	12236	12260	12285	12309	12333	12358	12382	12385	12389
137.5	12776	12797	12819	12840	12862	12883	12905	12926	12928	12929
140.0	13311	13333	13355	13377	13399	13421	13443	13465	13464	13463
142.5	13829	13849	13868	13887	13906	13926	13945	13964	13963	13962
145.0	14309	14328	14348	14368	14388	14407	14427	14447	14446	14446
147.5	14762	14781	14801	14821	14841	14860	14880	14900	14900	14900
150.0	15175	15193	15211	15230	15248	15266	15284	15302	15301	15301
152.5	15545	15563	15580	15598	15615	15633	15650	15668	15666	15665
155.0	15880	15895	15910	15924	15939	15954	15968	15983	15981	15980
157.5	16167	16180	16193	16206	16219	16232	16245	16258	16256	16255
160.0	16422	16432	16443	16454	16465	16475	16486	16497	16495	16494
162.5	16627	16636	16645	16654	16663	16672	16681	16690	16688	16687
165.0	16793	16801	16809	16816	16824	16832	16840	16848	16846	16844
167.5	16926	16933	16939	16945	16951	16958	16964	16970	16967	16964

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CANDELA TABULATION - (Cont.)

170.0	17020	17024	17029	17033	17038	17042	17047	17051	17048	17045
172.5	17089	17092	17095	17099	17102	17105	17109	17112	17109	17105
175.0	17118	17121	17124	17126	17129	17132	17135	17138	17135	17131
177.5	17122	17125	17127	17129	17131	17134	17136	17138	17134	17130
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

Vert. Angles	Horizontal Angles									
	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>
0.0	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	1192	1208	1224	1240	1255	1271	1287	1271	1255	1240
95.0	1748	1761	1774	1787	1800	1813	1826	1813	1800	1787
97.5	2396	2409	2423	2436	2450	2463	2477	2463	2450	2436
100.0	3057	3069	3081	3093	3104	3116	3128	3116	3104	3093
102.5	3729	3744	3759	3774	3790	3805	3820	3805	3790	3774
105.0	4472	4485	4499	4512	4526	4539	4553	4539	4526	4512
107.5	5213	5224	5235	5246	5258	5269	5280	5269	5258	5246
110.0	5943	5954	5965	5976	5986	5997	6008	5997	5986	5976
112.5	6652	6663	6675	6686	6697	6709	6720	6709	6697	6686
115.0	7354	7365	7377	7388	7399	7411	7422	7411	7399	7388

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CANDELA TABULATION - (Cont.)

117.5	8044	8053	8062	8071	8080	8089	8098	8089	8080	8071
120.0	8720	8733	8745	8758	8770	8783	8795	8783	8770	8758
122.5	9384	9393	9403	9412	9422	9431	9441	9431	9422	9412
125.0	10040	10050	10059	10069	10079	10088	10098	10088	10079	10069
127.5	10669	10676	10684	10691	10698	10706	10713	10706	10698	10691
130.0	11257	11264	11271	11278	11284	11291	11298	11291	11284	11278
132.5	11832	11837	11843	11848	11853	11858	11863	11858	11853	11848
135.0	12392	12395	12399	12402	12405	12409	12412	12409	12405	12402
137.5	12931	12933	12934	12936	12938	12939	12941	12939	12938	12936
140.0	13462	13461	13459	13458	13457	13456	13455	13456	13457	13458
142.5	13960	13959	13958	13957	13955	13954	13953	13954	13955	13957
145.0	14445	14445	14444	14444	14443	14443	14442	14443	14443	14444
147.5	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900
150.0	15300	15299	15299	15298	15297	15297	15296	15297	15297	15298
152.5	15663	15661	15660	15658	15656	15655	15653	15655	15656	15658
155.0	15978	15976	15975	15973	15971	15970	15968	15970	15971	15973
157.5	16253	16251	16250	16248	16246	16245	16243	16245	16246	16248
160.0	16492	16490	16489	16487	16485	16484	16482	16484	16485	16487
162.5	16685	16683	16682	16680	16678	16677	16675	16677	16678	16680
165.0	16841	16839	16837	16835	16832	16830	16828	16830	16832	16835
167.5	16962	16959	16956	16953	16951	16948	16945	16948	16951	16953
170.0	17043	17040	17037	17034	17032	17029	17026	17029	17032	17034
172.5	17102	17099	17095	17092	17089	17085	17082	17085	17089	17092
175.0	17128	17124	17121	17117	17114	17110	17107	17110	17114	17117
177.5	17126	17122	17118	17114	17110	17106	17102	17106	17110	17114
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

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	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	1224	1208	1192	1177	1161	1145	1115	1085	1055	1025
95.0	1774	1761	1748	1735	1722	1709	1679	1649	1619	1589
97.5	2423	2409	2396	2382	2369	2355	2322	2289	2257	2224
100.0	3081	3069	3057	3046	3034	3022	2989	2956	2924	2891
102.5	3759	3744	3729	3713	3698	3683	3654	3625	3597	3568
105.0	4499	4485	4472	4458	4445	4431	4400	4369	4338	4307
107.5	5235	5224	5213	5201	5190	5179	5145	5111	5077	5043
110.0	5965	5954	5943	5933	5922	5911	5880	5849	5818	5787
112.5	6675	6663	6652	6641	6629	6618	6587	6556	6525	6494
115.0	7377	7365	7354	7343	7331	7320	7292	7264	7235	7207
117.5	8062	8053	8044	8035	8026	8017	7988	7958	7929	7899
120.0	8745	8733	8720	8708	8695	8683	8656	8629	8602	8575
122.5	9403	9393	9384	9374	9365	9355	9326	9297	9268	9239
125.0	10059	10050	10040	10030	10021	10011	9980	9950	9919	9889
127.5	10684	10676	10669	10662	10654	10647	10615	10584	10552	10520
130.0	11271	11264	11257	11251	11244	11237	11210	11184	11157	11131
132.5	11843	11837	11832	11827	11822	11817	11792	11766	11741	11715
135.0	12399	12395	12392	12389	12385	12382	12358	12333	12309	12285
137.5	12934	12933	12931	12929	12928	12926	12905	12883	12862	12840
140.0	13459	13461	13462	13463	13464	13465	13443	13421	13399	13377
142.5	13958	13959	13960	13962	13963	13964	13945	13926	13906	13887
145.0	14444	14445	14445	14446	14446	14447	14427	14407	14388	14368
147.5	14900	14900	14900	14900	14900	14900	14880	14860	14841	14821
150.0	15299	15299	15300	15301	15301	15302	15284	15266	15248	15230
152.5	15660	15661	15663	15665	15666	15668	15650	15633	15615	15598
155.0	15975	15976	15978	15980	15981	15983	15968	15954	15939	15924
157.5	16250	16251	16253	16255	16256	16258	16245	16232	16219	16206
160.0	16489	16490	16492	16494	16495	16497	16486	16475	16465	16454
162.5	16682	16683	16685	16687	16688	16690	16681	16672	16663	16654
165.0	16837	16839	16841	16844	16846	16848	16840	16832	16824	16816
167.5	16956	16959	16962	16964	16967	16970	16964	16958	16951	16945
170.0	17037	17040	17043	17045	17048	17051	17047	17042	17038	17033
172.5	17095	17099	17102	17105	17109	17112	17109	17105	17102	17099
175.0	17121	17124	17128	17131	17135	17138	17135	17132	17129	17126
177.5	17118	17122	17126	17130	17134	17138	17136	17134	17131	17129
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

Vert. Angles	Horizontal Angles									
	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	995	965	935	905	875	839	804	768	732	697
95.0	1560	1530	1500	1470	1440	1404	1368	1331	1295	1259
97.5	2191	2158	2126	2093	2060	2022	1983	1945	1906	1868
100.0	2858	2825	2793	2760	2727	2687	2648	2608	2569	2529
102.5	3539	3510	3482	3453	3424	3383	3342	3302	3261	3220
105.0	4275	4244	4213	4182	4151	4107	4064	4020	3977	3933
107.5	5009	4975	4941	4907	4873	4828	4783	4737	4692	4647
110.0	5755	5724	5693	5662	5631	5580	5528	5477	5425	5374
112.5	6462	6431	6400	6369	6338	6287	6235	6184	6132	6081
115.0	7179	7151	7122	7094	7066	7012	6957	6903	6849	6794
117.5	7870	7840	7811	7781	7752	7697	7642	7588	7533	7478
120.0	8547	8520	8493	8466	8439	8383	8326	8270	8213	8157
122.5	9211	9182	9153	9124	9095	9039	8983	8927	8871	8816
125.0	9858	9828	9797	9767	9736	9681	9626	9572	9517	9462
127.5	10489	10457	10425	10394	10362	10308	10255	10201	10147	10094
130.0	11104	11078	11051	11025	10998	10945	10892	10839	10786	10732
132.5	11690	11664	11639	11613	11588	11537	11486	11435	11384	11334
135.0	12260	12236	12212	12187	12163	12117	12071	12026	11980	11934
137.5	12819	12797	12776	12754	12733	12689	12646	12602	12559	12515
140.0	13355	13333	13311	13289	13267	13225	13183	13141	13099	13058
142.5	13868	13849	13829	13810	13791	13751	13711	13671	13631	13590
145.0	14348	14328	14309	14289	14269	14232	14194	14157	14120	14082
147.5	14801	14781	14762	14742	14722	14686	14651	14615	14579	14544
150.0	15211	15193	15175	15157	15139	15106	15073	15041	15008	14975

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CANDELA TABULATION - (Cont.)

152.5	15580	15563	15545	15528	15510	15480	15450	15420	15390	15360
155.0	15910	15895	15880	15866	15851	15823	15796	15768	15740	15713
157.5	16193	16180	16167	16154	16141	16117	16092	16068	16044	16019
160.0	16443	16432	16422	16411	16400	16379	16357	16336	16314	16293
162.5	16645	16636	16627	16618	16609	16591	16574	16556	16539	16521
165.0	16809	16801	16793	16785	16777	16763	16750	16736	16723	16709
167.5	16939	16933	16926	16920	16914	16903	16892	16882	16871	16860
170.0	17029	17024	17020	17015	17011	17002	16993	16984	16975	16965
172.5	17095	17092	17089	17085	17082	17074	17066	17058	17050	17043
175.0	17124	17121	17118	17115	17112	17105	17097	17090	17083	17075
177.5	17127	17125	17122	17120	17118	17111	17103	17096	17088	17081
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

Vert. Angles	Horizontal Angles									
	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	661	625	590	554	530	506	481	457	433	409
95.0	1223	1186	1150	1114	1076	1037	999	960	922	883
97.5	1829	1791	1752	1714	1668	1621	1575	1529	1482	1436

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CANDELA TABULATION - (Cont.)

100.0	2490	2450	2411	2371	2317	2263	2210	2156	2102	2048
102.5	3179	3139	3098	3057	2998	2939	2881	2822	2763	2704
105.0	3890	3846	3803	3759	3696	3633	3569	3506	3443	3380
107.5	4602	4556	4511	4466	4400	4335	4269	4204	4138	4073
110.0	5322	5271	5219	5168	5105	5043	4980	4917	4855	4792
112.5	6029	5978	5926	5875	5815	5754	5694	5633	5573	5512
115.0	6740	6686	6631	6577	6515	6454	6392	6331	6269	6208
117.5	7423	7369	7314	7259	7199	7138	7078	7017	6957	6896
120.0	8100	8044	7987	7931	7872	7813	7754	7695	7637	7578
122.5	8760	8704	8648	8592	8535	8479	8422	8366	8309	8253
125.0	9407	9353	9298	9243	9189	9136	9082	9028	8975	8921
127.5	10040	9986	9933	9879	9828	9776	9725	9673	9622	9570
130.0	10679	10626	10573	10520	10473	10426	10379	10332	10286	10239
132.5	11283	11232	11181	11130	11086	11042	10998	10954	10909	10865
135.0	11888	11843	11797	11751	11710	11668	11627	11586	11544	11503
137.5	12472	12428	12385	12341	12301	12261	12221	12181	12140	12100
140.0	13016	12974	12932	12890	12853	12817	12780	12743	12707	12670
142.5	13550	13510	13470	13430	13395	13361	13326	13292	13257	13223
145.0	14045	14008	13970	13933	13902	13871	13840	13809	13777	13746
147.5	14508	14472	14437	14401	14373	14345	14316	14288	14260	14232
150.0	14942	14910	14877	14844	14819	14793	14768	14742	14717	14691
152.5	15330	15300	15270	15240	15217	15194	15171	15148	15124	15101
155.0	15685	15657	15630	15602	15581	15560	15539	15518	15497	15476
157.5	15995	15971	15946	15922	15902	15882	15863	15843	15823	15803
160.0	16271	16250	16228	16207	16190	16173	16156	16139	16122	16105
162.5	16504	16486	16469	16451	16436	16421	16405	16390	16375	16360
165.0	16696	16682	16669	16655	16640	16625	16611	16596	16581	16566
167.5	16849	16839	16828	16817	16803	16789	16775	16761	16746	16732
170.0	16956	16947	16938	16929	16916	16903	16890	16877	16864	16851
172.5	17035	17027	17019	17011	17000	16988	16977	16966	16954	16943
175.0	17068	17061	17053	17046	17036	17026	17016	17006	16995	16985
177.5	17073	17066	17058	17051	17042	17033	17024	17015	17006	16997
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

Vert. Angles	Horizontal Angles									
	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	384	360	336	360	384	409	433	457	481	506
95.0	845	806	768	806	845	883	922	960	999	1037
97.5	1390	1343	1297	1343	1390	1436	1482	1529	1575	1621
100.0	1995	1941	1887	1941	1995	2048	2102	2156	2210	2263
102.5	2646	2587	2528	2587	2646	2704	2763	2822	2881	2939
105.0	3316	3253	3190	3253	3316	3380	3443	3506	3569	3633
107.5	4007	3942	3876	3942	4007	4073	4138	4204	4269	4335
110.0	4729	4667	4604	4667	4729	4792	4855	4917	4980	5043
112.5	5452	5391	5331	5391	5452	5512	5573	5633	5694	5754
115.0	6146	6085	6023	6085	6146	6208	6269	6331	6392	6454
117.5	6836	6775	6715	6775	6836	6896	6957	7017	7078	7138
120.0	7519	7460	7401	7460	7519	7578	7637	7695	7754	7813
122.5	8196	8140	8083	8140	8196	8253	8309	8366	8422	8479
125.0	8867	8814	8760	8814	8867	8921	8975	9028	9082	9136
127.5	9519	9467	9416	9467	9519	9570	9622	9673	9725	9776
130.0	10192	10145	10098	10145	10192	10239	10286	10332	10379	10426
132.5	10821	10777	10733	10777	10821	10865	10909	10954	10998	11042
135.0	11462	11420	11379	11420	11462	11503	11544	11586	11627	11668
137.5	12060	12020	11980	12020	12060	12100	12140	12181	12221	12261
140.0	12633	12597	12560	12597	12633	12670	12707	12743	12780	12817
142.5	13188	13154	13119	13154	13188	13223	13257	13292	13326	13361
145.0	13715	13684	13653	13684	13715	13746	13777	13809	13840	13871
147.5	14203	14175	14147	14175	14203	14232	14260	14288	14316	14345
150.0	14666	14640	14615	14640	14666	14691	14717	14742	14768	14793
152.5	15078	15055	15032	15055	15078	15101	15124	15148	15171	15194
155.0	15455	15434	15413	15434	15455	15476	15497	15518	15539	15560
157.5	15784	15764	15744	15764	15784	15803	15823	15843	15863	15882
160.0	16088	16071	16054	16071	16088	16105	16122	16139	16156	16173
162.5	16344	16329	16314	16329	16344	16360	16375	16390	16405	16421
165.0	16552	16537	16522	16537	16552	16566	16581	16596	16611	16625
167.5	16718	16704	16690	16704	16718	16732	16746	16761	16775	16789
170.0	16838	16825	16812	16825	16838	16851	16864	16877	16890	16903
172.5	16932	16920	16909	16920	16932	16943	16954	16966	16977	16988
175.0	16975	16965	16955	16965	16975	16985	16995	17006	17016	17026
177.5	16988	16979	16970	16979	16988	16997	17006	17015	17024	17033
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	530	554	590	625	661	697	732	768	804	839
95.0	1076	1114	1150	1186	1223	1259	1295	1331	1368	1404
97.5	1668	1714	1752	1791	1829	1868	1906	1945	1983	2022
100.0	2317	2371	2411	2450	2490	2529	2569	2608	2648	2687
102.5	2998	3057	3098	3139	3179	3220	3261	3302	3342	3383
105.0	3696	3759	3803	3846	3890	3933	3977	4020	4064	4107
107.5	4400	4466	4511	4556	4602	4647	4692	4737	4783	4828
110.0	5105	5168	5219	5271	5322	5374	5425	5477	5528	5580
112.5	5815	5875	5926	5978	6029	6081	6132	6184	6235	6287
115.0	6515	6577	6631	6686	6740	6794	6849	6903	6957	7012
117.5	7199	7259	7314	7369	7423	7478	7533	7588	7642	7697
120.0	7872	7931	7987	8044	8100	8157	8213	8270	8326	8383
122.5	8535	8592	8648	8704	8760	8816	8871	8927	8983	9039
125.0	9189	9243	9298	9353	9407	9462	9517	9572	9626	9681
127.5	9828	9879	9933	9986	10040	10094	10147	10201	10255	10308
130.0	10473	10520	10573	10626	10679	10732	10786	10839	10892	10945

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CANDELA TABULATION - (Cont.)

132.5	11086	11130	11181	11232	11283	11334	11384	11435	11486	11537
135.0	11710	11751	11797	11843	11888	11934	11980	12026	12071	12117
137.5	12301	12341	12385	12428	12472	12515	12559	12602	12646	12689
140.0	12853	12890	12932	12974	13016	13058	13099	13141	13183	13225
142.5	13395	13430	13470	13510	13550	13590	13631	13671	13711	13751
145.0	13902	13933	13970	14008	14045	14082	14120	14157	14194	14232
147.5	14373	14401	14437	14472	14508	14544	14579	14615	14651	14686
150.0	14819	14844	14877	14910	14942	14975	15008	15041	15073	15106
152.5	15217	15240	15270	15300	15330	15360	15390	15420	15450	15480
155.0	15581	15602	15630	15657	15685	15713	15740	15768	15796	15823
157.5	15902	15922	15946	15971	15995	16019	16044	16068	16092	16117
160.0	16190	16207	16228	16250	16271	16293	16314	16336	16357	16379
162.5	16436	16451	16469	16486	16504	16521	16539	16556	16574	16591
165.0	16640	16655	16669	16682	16696	16709	16723	16736	16750	16763
167.5	16803	16817	16828	16839	16849	16860	16871	16882	16892	16903
170.0	16916	16929	16938	16947	16956	16965	16975	16984	16993	17002
172.5	17000	17011	17019	17027	17035	17043	17050	17058	17066	17074
175.0	17036	17046	17053	17061	17068	17075	17083	17090	17097	17105
177.5	17042	17051	17058	17066	17073	17081	17088	17096	17103	17111
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

Vert. Angles	Horizontal Angles									
	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	875	905	935	965	995	1025	1055	1085	1115	1145
95.0	1440	1470	1500	1530	1560	1589	1619	1649	1679	1709
97.5	2060	2093	2126	2158	2191	2224	2257	2289	2322	2355
100.0	2727	2760	2793	2825	2858	2891	2924	2956	2989	3022
102.5	3424	3453	3482	3510	3539	3568	3597	3625	3654	3683
105.0	4151	4182	4213	4244	4275	4307	4338	4369	4400	4431
107.5	4873	4907	4941	4975	5009	5043	5077	5111	5145	5179
110.0	5631	5662	5693	5724	5755	5787	5818	5849	5880	5911
112.5	6338	6369	6400	6431	6462	6494	6525	6556	6587	6618
115.0	7066	7094	7122	7151	7179	7207	7235	7264	7292	7320
117.5	7752	7781	7811	7840	7870	7899	7929	7958	7988	8017
120.0	8439	8466	8493	8520	8547	8575	8602	8629	8656	8683
122.5	9095	9124	9153	9182	9211	9239	9268	9297	9326	9355
125.0	9736	9767	9797	9828	9858	9889	9919	9950	9980	10011
127.5	10362	10394	10425	10457	10489	10520	10552	10584	10615	10647
130.0	10998	11025	11051	11078	11104	11131	11157	11184	11210	11237
132.5	11588	11613	11639	11664	11690	11715	11741	11766	11792	11817
135.0	12163	12187	12212	12236	12260	12285	12309	12333	12358	12382
137.5	12733	12754	12776	12797	12819	12840	12862	12883	12905	12926
140.0	13267	13289	13311	13333	13355	13377	13399	13421	13443	13465
142.5	13791	13810	13829	13849	13868	13887	13906	13926	13945	13964
145.0	14269	14289	14309	14328	14348	14368	14388	14407	14427	14447
147.5	14722	14742	14762	14781	14801	14821	14841	14860	14880	14900
150.0	15139	15157	15175	15193	15211	15230	15248	15266	15284	15302
152.5	15510	15528	15545	15563	15580	15598	15615	15633	15650	15668
155.0	15851	15866	15880	15895	15910	15924	15939	15954	15968	15983
157.5	16141	16154	16167	16180	16193	16206	16219	16232	16245	16258
160.0	16400	16411	16422	16432	16443	16454	16465	16475	16486	16497
162.5	16609	16618	16627	16636	16645	16654	16663	16672	16681	16690
165.0	16777	16785	16793	16801	16809	16816	16824	16832	16840	16848
167.5	16914	16920	16926	16933	16939	16945	16951	16958	16964	16970
170.0	17011	17015	17020	17024	17029	17033	17038	17042	17047	17051
172.5	17082	17085	17089	17092	17095	17099	17102	17105	17109	17112
175.0	17112	17115	17118	17121	17124	17126	17129	17132	17135	17138
177.5	17118	17120	17122	17125	17127	17129	17131	17134	17136	17138
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

Vert. Horizontal Angles
Angles

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0.0	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

27.5	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	1161	1177	1192	1208	1224	1240	1255	1271	1287	1271
95.0	1722	1735	1748	1761	1774	1787	1800	1813	1826	1813
97.5	2369	2382	2396	2409	2423	2436	2450	2463	2477	2463
100.0	3034	3046	3057	3069	3081	3093	3104	3116	3128	3116
102.5	3698	3713	3729	3744	3759	3774	3790	3805	3820	3805
105.0	4445	4458	4472	4485	4499	4512	4526	4539	4553	4539
107.5	5190	5201	5213	5224	5235	5246	5258	5269	5280	5269
110.0	5922	5933	5943	5954	5965	5976	5986	5997	6008	5997
112.5	6629	6641	6652	6663	6675	6686	6697	6709	6720	6709
115.0	7331	7343	7354	7365	7377	7388	7399	7411	7422	7411
117.5	8026	8035	8044	8053	8062	8071	8080	8089	8098	8089
120.0	8695	8708	8720	8733	8745	8758	8770	8783	8795	8783
122.5	9365	9374	9384	9393	9403	9412	9422	9431	9441	9431
125.0	10021	10030	10040	10050	10059	10069	10079	10088	10098	10088
127.5	10654	10662	10669	10676	10684	10691	10698	10706	10713	10706
130.0	11244	11251	11257	11264	11271	11278	11284	11291	11298	11291
132.5	11822	11827	11832	11837	11843	11848	11853	11858	11863	11858
135.0	12385	12389	12392	12395	12399	12402	12405	12409	12412	12409
137.5	12928	12929	12931	12933	12934	12936	12938	12939	12941	12939
140.0	13464	13463	13462	13461	13459	13458	13457	13456	13455	13456
142.5	13963	13962	13960	13959	13958	13957	13955	13954	13953	13954
145.0	14446	14446	14445	14445	14444	14444	14443	14443	14442	14443
147.5	14900	14900	14900	14900	14900	14900	14900	14900	14900	14900
150.0	15301	15301	15300	15299	15299	15298	15297	15297	15296	15297
152.5	15666	15665	15663	15661	15660	15658	15656	15655	15653	15655
155.0	15981	15980	15978	15976	15975	15973	15971	15970	15968	15970
157.5	16256	16255	16253	16251	16250	16248	16246	16245	16243	16245
160.0	16495	16494	16492	16490	16489	16487	16485	16484	16482	16484
162.5	16688	16687	16685	16683	16682	16680	16678	16677	16675	16677
165.0	16846	16844	16841	16839	16837	16835	16832	16830	16828	16830

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CANDELA TABULATION - (Cont.)

167.5	16967	16964	16962	16959	16956	16953	16951	16948	16945	16948
170.0	17048	17045	17043	17040	17037	17034	17032	17029	17026	17029
172.5	17109	17105	17102	17099	17095	17092	17089	17085	17082	17085
175.0	17135	17131	17128	17124	17121	17117	17114	17110	17107	17110
177.5	17134	17130	17126	17122	17118	17114	17110	17106	17102	17106
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

Vert. Horizontal Angles

	<u>275.0</u>	<u>277.5</u>	<u>280.0</u>	<u>282.5</u>	<u>285.0</u>	<u>287.5</u>	<u>290.0</u>	<u>292.5</u>	<u>295.0</u>	<u>297.5</u>
0.0	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	1255	1240	1224	1208	1192	1177	1161	1145	1115	1085
95.0	1800	1787	1774	1761	1748	1735	1722	1709	1679	1649
97.5	2450	2436	2423	2409	2396	2382	2369	2355	2322	2289
100.0	3104	3093	3081	3069	3057	3046	3034	3022	2989	2956
102.5	3790	3774	3759	3744	3729	3713	3698	3683	3654	3625
105.0	4526	4512	4499	4485	4472	4458	4445	4431	4400	4369
107.5	5258	5246	5235	5224	5213	5201	5190	5179	5145	5111
110.0	5986	5976	5965	5954	5943	5933	5922	5911	5880	5849
112.5	6697	6686	6675	6663	6652	6641	6629	6618	6587	6556

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CANDELA TABULATION - (Cont.)

115.0	7399	7388	7377	7365	7354	7343	7331	7320	7292	7264
117.5	8080	8071	8062	8053	8044	8035	8026	8017	7988	7958
120.0	8770	8758	8745	8733	8720	8708	8695	8683	8656	8629
122.5	9422	9412	9403	9393	9384	9374	9365	9355	9326	9297
125.0	10079	10069	10059	10050	10040	10030	10021	10011	9980	9950
127.5	10698	10691	10684	10676	10669	10662	10654	10647	10615	10584
130.0	11284	11278	11271	11264	11257	11251	11244	11237	11210	11184
132.5	11853	11848	11843	11837	11832	11827	11822	11817	11792	11766
135.0	12405	12402	12399	12395	12392	12389	12385	12382	12358	12333
137.5	12938	12936	12934	12933	12931	12929	12928	12926	12905	12883
140.0	13457	13458	13459	13461	13462	13463	13464	13465	13443	13421
142.5	13955	13957	13958	13959	13960	13962	13963	13964	13945	13926
145.0	14443	14444	14444	14445	14445	14446	14446	14447	14427	14407
147.5	14900	14900	14900	14900	14900	14900	14900	14900	14880	14860
150.0	15297	15298	15299	15299	15300	15301	15301	15302	15284	15266
152.5	15656	15658	15660	15661	15663	15665	15666	15668	15650	15633
155.0	15971	15973	15975	15976	15978	15980	15981	15983	15968	15954
157.5	16246	16248	16250	16251	16253	16255	16256	16258	16245	16232
160.0	16485	16487	16489	16490	16492	16494	16495	16497	16486	16475
162.5	16678	16680	16682	16683	16685	16687	16688	16690	16681	16672
165.0	16832	16835	16837	16839	16841	16844	16846	16848	16840	16832
167.5	16951	16953	16956	16959	16962	16964	16967	16970	16964	16958
170.0	17032	17034	17037	17040	17043	17045	17048	17051	17047	17042
172.5	17089	17092	17095	17099	17102	17105	17109	17112	17109	17105
175.0	17114	17117	17121	17124	17128	17131	17135	17138	17135	17132
177.5	17110	17114	17118	17122	17126	17130	17134	17138	17136	17134
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

Vert. Angles	Horizontal Angles									
	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0
10.0	0	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

62.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	1055	1025	995	965	935	905	875	839	804	768
95.0	1619	1589	1560	1530	1500	1470	1440	1404	1368	1331
97.5	2257	2224	2191	2158	2126	2093	2060	2022	1983	1945
100.0	2924	2891	2858	2825	2793	2760	2727	2687	2648	2608
102.5	3597	3568	3539	3510	3482	3453	3424	3383	3342	3302
105.0	4338	4307	4275	4244	4213	4182	4151	4107	4064	4020
107.5	5077	5043	5009	4975	4941	4907	4873	4828	4783	4737
110.0	5818	5787	5755	5724	5693	5662	5631	5580	5528	5477
112.5	6525	6494	6462	6431	6400	6369	6338	6287	6235	6184
115.0	7235	7207	7179	7151	7122	7094	7066	7012	6957	6903
117.5	7929	7899	7870	7840	7811	7781	7752	7697	7642	7588
120.0	8602	8575	8547	8520	8493	8466	8439	8383	8326	8270
122.5	9268	9239	9211	9182	9153	9124	9095	9039	8983	8927
125.0	9919	9889	9858	9828	9797	9767	9736	9681	9626	9572
127.5	10552	10520	10489	10457	10425	10394	10362	10308	10255	10201
130.0	11157	11131	11104	11078	11051	11025	10998	10945	10892	10839
132.5	11741	11715	11690	11664	11639	11613	11588	11537	11486	11435
135.0	12309	12285	12260	12236	12212	12187	12163	12117	12071	12026
137.5	12862	12840	12819	12797	12776	12754	12733	12689	12646	12602
140.0	13399	13377	13355	13333	13311	13289	13267	13225	13183	13141
142.5	13906	13887	13868	13849	13829	13810	13791	13751	13711	13671
145.0	14388	14368	14348	14328	14309	14289	14269	14232	14194	14157
147.5	14841	14821	14801	14781	14762	14742	14722	14686	14651	14615
150.0	15248	15230	15211	15193	15175	15157	15139	15106	15073	15041
152.5	15615	15598	15580	15563	15545	15528	15510	15480	15450	15420
155.0	15939	15924	15910	15895	15880	15866	15851	15823	15796	15768
157.5	16219	16206	16193	16180	16167	16154	16141	16117	16092	16068
160.0	16465	16454	16443	16432	16422	16411	16400	16379	16357	16336
162.5	16663	16654	16645	16636	16627	16618	16609	16591	16574	16556
165.0	16824	16816	16809	16801	16793	16785	16777	16763	16750	16736
167.5	16951	16945	16939	16933	16926	16920	16914	16903	16892	16882
170.0	17038	17033	17029	17024	17020	17015	17011	17002	16993	16984
172.5	17102	17099	17095	17092	17089	17085	17082	17074	17066	17058
175.0	17129	17126	17124	17121	17118	17115	17112	17105	17097	17090
177.5	17131	17129	17127	17125	17122	17120	17118	17111	17103	17096
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

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	0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0	0
5.0	0	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

10.0	0	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0	0
15.0	0	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0	0
20.0	0	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
92.5	732	697	661	625	590	554	530	506	481	457
95.0	1295	1259	1223	1186	1150	1114	1076	1037	999	960
97.5	1906	1868	1829	1791	1752	1714	1668	1621	1575	1529
100.0	2569	2529	2490	2450	2411	2371	2317	2263	2210	2156
102.5	3261	3220	3179	3139	3098	3057	2998	2939	2881	2822
105.0	3977	3933	3890	3846	3803	3759	3696	3633	3569	3506
107.5	4692	4647	4602	4556	4511	4466	4400	4335	4269	4204
110.0	5425	5374	5322	5271	5219	5168	5105	5043	4980	4917
112.5	6132	6081	6029	5978	5926	5875	5815	5754	5694	5633
115.0	6849	6794	6740	6686	6631	6577	6515	6454	6392	6331
117.5	7533	7478	7423	7369	7314	7259	7199	7138	7078	7017
120.0	8213	8157	8100	8044	7987	7931	7872	7813	7754	7695
122.5	8871	8816	8760	8704	8648	8592	8535	8479	8422	8366
125.0	9517	9462	9407	9353	9298	9243	9189	9136	9082	9028
127.5	10147	10094	10040	9986	9933	9879	9828	9776	9725	9673
130.0	10786	10732	10679	10626	10573	10520	10473	10426	10379	10332
132.5	11384	11334	11283	11232	11181	11130	11086	11042	10998	10954
135.0	11980	11934	11888	11843	11797	11751	11710	11668	11627	11586
137.5	12559	12515	12472	12428	12385	12341	12301	12261	12221	12181
140.0	13099	13058	13016	12974	12932	12890	12853	12817	12780	12743
142.5	13631	13590	13550	13510	13470	13430	13395	13361	13326	13292
145.0	14120	14082	14045	14008	13970	13933	13902	13871	13840	13809
147.5	14579	14544	14508	14472	14437	14401	14373	14345	14316	14288

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZNIA-2LEDHE-55L-DA-W-40-ID.IES

CANDELA TABULATION - (Cont.)

150.0	15008	14975	14942	14910	14877	14844	14819	14793	14768	14742
152.5	15390	15360	15330	15300	15270	15240	15217	15194	15171	15148
155.0	15740	15713	15685	15657	15630	15602	15581	15560	15539	15518
157.5	16044	16019	15995	15971	15946	15922	15902	15882	15863	15843
160.0	16314	16293	16271	16250	16228	16207	16190	16173	16156	16139
162.5	16539	16521	16504	16486	16469	16451	16436	16421	16405	16390
165.0	16723	16709	16696	16682	16669	16655	16640	16625	16611	16596
167.5	16871	16860	16849	16839	16828	16817	16803	16789	16775	16761
170.0	16975	16965	16956	16947	16938	16929	16916	16903	16890	16877
172.5	17050	17043	17035	17027	17019	17011	17000	16988	16977	16966
175.0	17083	17075	17068	17061	17053	17046	17036	17026	17016	17006
177.5	17088	17081	17073	17066	17058	17051	17042	17033	17024	17015
180.0	17051	17051	17051	17051	17051	17051	17051	17051	17051	17051

Vert. Horizontal Angles

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	0	0	0	0	0
2.5	0	0	0	0	0
5.0	0	0	0	0	0
7.5	0	0	0	0	0
10.0	0	0	0	0	0
12.5	0	0	0	0	0
15.0	0	0	0	0	0
17.5	0	0	0	0	0
20.0	0	0	0	0	0
22.5	0	0	0	0	0
25.0	0	0	0	0	0
27.5	0	0	0	0	0
30.0	0	0	0	0	0
32.5	0	0	0	0	0
35.0	0	0	0	0	0
37.5	0	0	0	0	0
40.0	0	0	0	0	0
42.5	0	0	0	0	0
45.0	0	0	0	0	0
47.5	0	0	0	0	0
50.0	0	0	0	0	0
52.5	0	0	0	0	0
55.0	0	0	0	0	0
57.5	0	0	0	0	0
60.0	0	0	0	0	0
62.5	0	0	0	0	0
65.0	0	0	0	0	0
67.5	0	0	0	0	0
70.0	0	0	0	0	0
72.5	0	0	0	0	0
75.0	0	0	0	0	0
77.5	0	0	0	0	0
80.0	0	0	0	0	0
82.5	0	0	0	0	0
85.0	0	0	0	0	0
87.5	0	0	0	0	0
90.0	0	0	0	0	0
92.5	433	409	384	360	336
95.0	922	883	845	806	768

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZNIA-2LEDHE-55L-DA-W-40-ID.IES

CANDELA TABULATION - (Cont.)

97.5	1482	1436	1390	1343	1297
100.0	2102	2048	1995	1941	1887
102.5	2763	2704	2646	2587	2528
105.0	3443	3380	3316	3253	3190
107.5	4138	4073	4007	3942	3876
110.0	4855	4792	4729	4667	4604
112.5	5573	5512	5452	5391	5331
115.0	6269	6208	6146	6085	6023
117.5	6957	6896	6836	6775	6715
120.0	7637	7578	7519	7460	7401
122.5	8309	8253	8196	8140	8083
125.0	8975	8921	8867	8814	8760
127.5	9622	9570	9519	9467	9416
130.0	10286	10239	10192	10145	10098
132.5	10909	10865	10821	10777	10733
135.0	11544	11503	11462	11420	11379
137.5	12140	12100	12060	12020	11980
140.0	12707	12670	12633	12597	12560
142.5	13257	13223	13188	13154	13119
145.0	13777	13746	13715	13684	13653
147.5	14260	14232	14203	14175	14147
150.0	14717	14691	14666	14640	14615
152.5	15124	15101	15078	15055	15032
155.0	15497	15476	15455	15434	15413
157.5	15823	15803	15784	15764	15744
160.0	16122	16105	16088	16071	16054
162.5	16375	16360	16344	16329	16314
165.0	16581	16566	16552	16537	16522
167.5	16746	16732	16718	16704	16690
170.0	16864	16851	16838	16825	16812
172.5	16954	16943	16932	16920	16909
175.0	16995	16985	16975	16965	16955
177.5	17006	16997	16988	16979	16970
180.0	17051	17051	17051	17051	17051

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZNIA-2LEDHE-55L-DA-W-40-ID.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	5800.32	N.A.	10.90
90-120	12641.71	N.A.	23.80
90-130	21225.52	N.A.	40.00
90-150	39385.67	N.A.	74.30
90-180	53013.42	N.A.	100.00
110-180	47213.12	N.A.	89.10
0-180	53013.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	1515.72
100-110	4284.6
110-120	6841.39
120-130	8583.81
130-140	9294.5
140-150	8865.64
150-160	7273.01
160-170	4727.54
170-180	1627.2

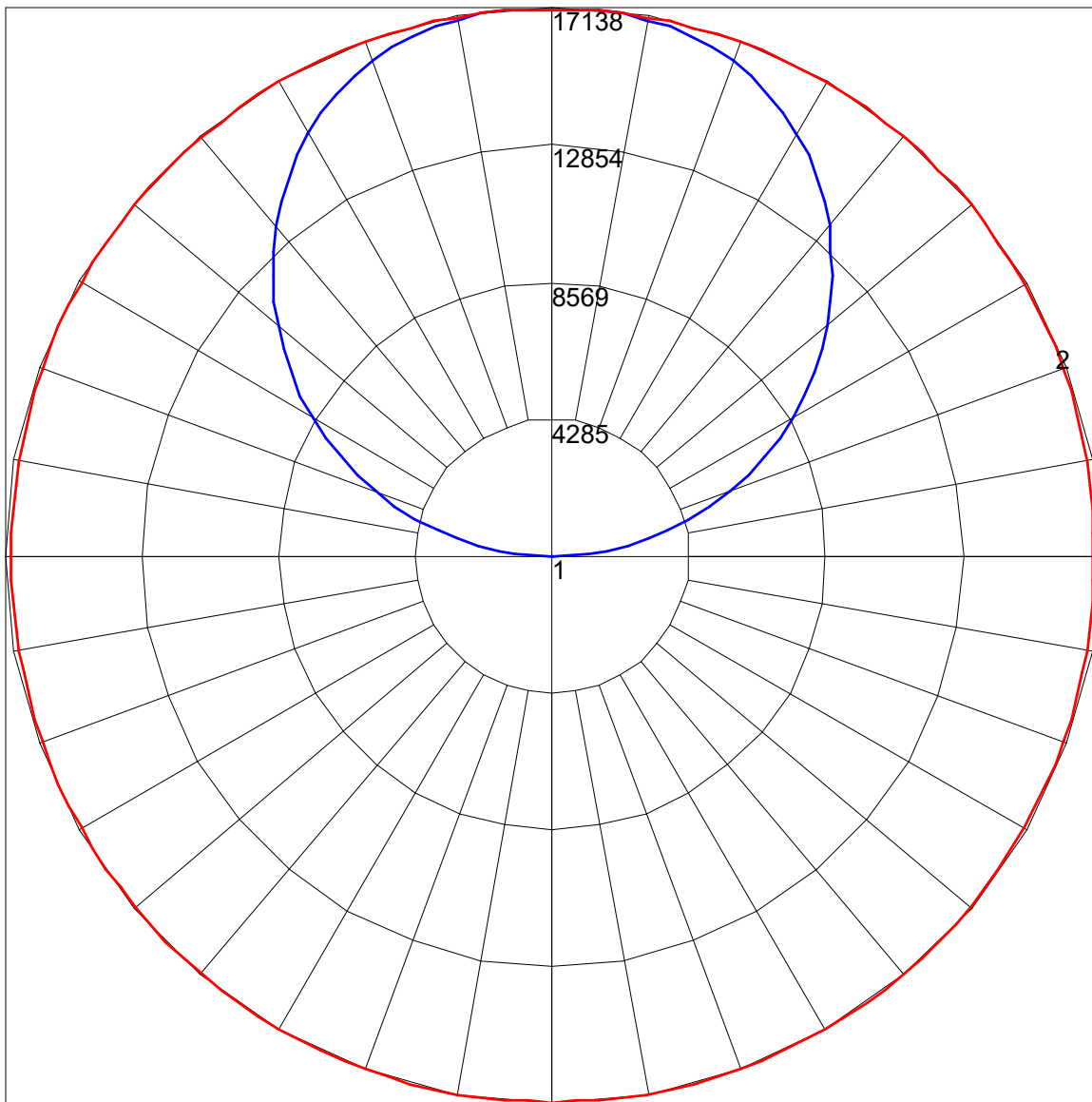
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZNIA-2LEDHE-55L-DA-W-40-ID.IES

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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 17138 Located At Horizontal Angle = 67.5, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)