



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ZNIA-2LEDSE-75L-DA-W-50-ID.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-10925
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 01/06/21
[TEST DATE] 04/03/19
[MANUFACT] LSI INDUSTRIES, INC
[LUMCAT] ZNIA-2LEDSE-75L-DA-W-50-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] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	70644
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	550
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	447	479	512	544	577	609	642	674	707	739
95.0	1024	1075	1126	1178	1229	1280	1331	1383	1434	1485
97.5	1729	1791	1852	1914	1976	2037	2099	2161	2222	2284
100.0	2515	2587	2658	2730	2801	2873	2944	3016	3087	3159
102.5	3369	3447	3526	3604	3682	3761	3839	3917	3996	4074
105.0	4250	4334	4419	4503	4587	4672	4756	4840	4925	5009
107.5	5165	5252	5340	5427	5515	5602	5690	5777	5865	5952
110.0	6135	6219	6302	6386	6469	6553	6636	6720	6803	6887
112.5	7104	7185	7265	7346	7426	7507	7587	7668	7748	7829
115.0	8026	8108	8190	8272	8354	8437	8519	8601	8683	8765
117.5	8948	9029	9109	9190	9270	9351	9431	9512	9592	9673
120.0	9863	9941	10020	10098	10176	10255	10333	10411	10490	10568
122.5	10771	10846	10922	10997	11072	11148	11223	11298	11374	11449
125.0	11673	11745	11816	11888	11959	12031	12102	12174	12245	12317
127.5	12547	12616	12684	12753	12821	12890	12958	13027	13095	13164
130.0	13456	13518	13581	13643	13706	13768	13831	13893	13956	14018
132.5	14303	14362	14421	14479	14538	14597	14656	14714	14773	14832

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CANDELA TABULATION - (Cont.)

135.0	15164	15219	15274	15329	15384	15439	15494	15549	15604	15659
137.5	15964	16017	16071	16124	16178	16231	16285	16338	16392	16445
140.0	16737	16786	16835	16884	16933	16981	17030	17079	17128	17177
142.5	17482	17528	17574	17620	17666	17712	17758	17804	17850	17896
145.0	18194	18235	18277	18318	18360	18401	18443	18484	18526	18567
147.5	18852	18890	18927	18965	19003	19040	19078	19116	19153	19191
150.0	19475	19509	19543	19577	19611	19644	19678	19712	19746	19780
152.5	20031	20062	20093	20124	20155	20185	20216	20247	20278	20309
155.0	20540	20568	20596	20623	20651	20679	20707	20734	20762	20790
157.5	20980	21006	21033	21059	21085	21112	21138	21164	21191	21217
160.0	21394	21417	21439	21462	21484	21507	21529	21552	21574	21597
162.5	21739	21759	21780	21800	21820	21841	21861	21881	21902	21922
165.0	22017	22037	22056	22076	22096	22115	22135	22155	22174	22194
167.5	22241	22260	22279	22297	22316	22335	22354	22372	22391	22410
170.0	22404	22421	22439	22456	22473	22491	22508	22525	22543	22560
172.5	22532	22547	22562	22577	22592	22608	22623	22638	22653	22668
175.0	22593	22607	22620	22634	22647	22661	22674	22688	22701	22715
177.5	22614	22626	22638	22650	22662	22674	22686	22698	22710	22722
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

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	786	834	881	929	976	1024	1071	1119	1166	1206
95.0	1533	1581	1629	1677	1726	1774	1822	1870	1918	1958
97.5	2335	2386	2438	2489	2540	2591	2643	2694	2745	2789
100.0	3212	3264	3317	3370	3422	3475	3528	3580	3633	3677
102.5	4128	4182	4237	4291	4345	4399	4454	4508	4562	4600
105.0	5067	5125	5183	5241	5299	5357	5415	5473	5531	5572
107.5	6012	6072	6133	6193	6253	6313	6374	6434	6494	6539
110.0	6956	7024	7093	7161	7230	7298	7367	7435	7504	7545
112.5	7898	7966	8035	8103	8172	8240	8309	8377	8446	8487
115.0	8837	8910	8982	9054	9127	9199	9271	9344	9416	9454
117.5	9746	9819	9892	9965	10039	10112	10185	10258	10331	10370
120.0	10643	10719	10794	10869	10945	11020	11095	11171	11246	11282
122.5	11524	11598	11673	11747	11822	11896	11971	12045	12120	12158
125.0	12390	12463	12536	12609	12682	12755	12828	12901	12974	13015
127.5	13236	13307	13379	13450	13522	13593	13665	13736	13808	13850
130.0	14089	14160	14231	14302	14372	14443	14514	14585	14656	14691
132.5	14900	14968	15035	15103	15171	15239	15306	15374	15442	15476
135.0	15720	15781	15842	15903	15964	16025	16086	16147	16208	16240
137.5	16503	16561	16619	16677	16735	16793	16851	16909	16967	16996
140.0	17233	17289	17344	17400	17456	17512	17567	17623	17679	17708
142.5	17949	18003	18056	18110	18163	18217	18270	18324	18377	18403
145.0	18617	18666	18716	18766	18815	18865	18915	18964	19014	19040
147.5	19238	19286	19333	19381	19428	19476	19523	19571	19618	19644
150.0	19824	19867	19911	19955	19998	20042	20086	20129	20173	20197
152.5	20349	20389	20429	20469	20508	20548	20588	20628	20668	20691
155.0	20827	20864	20901	20938	20974	21011	21048	21085	21122	21142
157.5	21249	21282	21314	21347	21379	21412	21444	21477	21509	21526
160.0	21626	21654	21683	21712	21740	21769	21798	21826	21855	21869
162.5	21945	21969	21992	22016	22039	22063	22086	22110	22133	22145
165.0	22212	22230	22248	22266	22284	22302	22320	22338	22356	22367
167.5	22424	22439	22453	22467	22482	22496	22510	22525	22539	22547
170.0	22572	22584	22596	22608	22620	22632	22644	22656	22668	22674
172.5	22679	22689	22700	22710	22721	22731	22742	22752	22763	22768
175.0	22725	22735	22745	22755	22764	22774	22784	22794	22804	22808
177.5	22732	22742	22751	22761	22771	22781	22790	22800	22810	22813
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

Vert. 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	1246	1286	1326	1365	1405	1445	1485	1525	1546	1567
95.0	1998	2038	2078	2118	2158	2198	2238	2278	2295	2313
97.5	2833	2876	2920	2964	3008	3051	3095	3139	3157	3175
100.0	3721	3764	3808	3852	3896	3939	3983	4027	4043	4059
102.5	4639	4677	4716	4754	4793	4831	4870	4908	4928	4949
105.0	5614	5655	5697	5738	5780	5821	5863	5904	5922	5940
107.5	6584	6630	6675	6720	6765	6811	6856	6901	6916	6931
110.0	7587	7628	7670	7711	7753	7794	7836	7877	7891	7906
112.5	8529	8570	8612	8653	8695	8736	8778	8819	8834	8849
115.0	9491	9529	9567	9604	9642	9680	9717	9755	9770	9785
117.5	10409	10448	10487	10527	10566	10605	10644	10683	10695	10707
120.0	11318	11354	11390	11427	11463	11499	11535	11571	11588	11604
122.5	12197	12235	12274	12312	12351	12389	12428	12466	12479	12492
125.0	13056	13096	13137	13178	13219	13259	13300	13341	13354	13367
127.5	13892	13935	13977	14019	14061	14104	14146	14188	14198	14208
130.0	14727	14762	14797	14833	14868	14903	14939	14974	14983	14992
132.5	15510	15544	15578	15611	15645	15679	15713	15747	15754	15761
135.0	16273	16305	16337	16370	16402	16434	16467	16499	16504	16508
137.5	17024	17053	17082	17110	17139	17168	17196	17225	17227	17229
140.0	17738	17767	17796	17826	17855	17884	17914	17943	17942	17940
142.5	18428	18454	18480	18505	18531	18557	18582	18608	18606	18605
145.0	19067	19093	19120	19146	19173	19199	19226	19252	19251	19250
147.5	19671	19697	19723	19750	19776	19802	19829	19855	19855	19855
150.0	20221	20245	20269	20294	20318	20342	20366	20390	20389	20389
152.5	20715	20738	20761	20785	20808	20831	20855	20878	20876	20874
155.0	21161	21181	21201	21220	21240	21260	21279	21299	21297	21294
157.5	21544	21561	21578	21596	21613	21630	21648	21665	21663	21660
160.0	21883	21898	21912	21926	21940	21955	21969	21983	21981	21979
162.5	22157	22169	22181	22193	22205	22217	22229	22241	22239	22237
165.0	22377	22388	22398	22409	22419	22430	22440	22451	22448	22445
167.5	22556	22564	22572	22581	22589	22597	22606	22614	22610	22606

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CANDELA TABULATION - (Cont.)

170.0	22680	22686	22692	22698	22704	22710	22716	22722	22718	22714
172.5	22772	22777	22781	22786	22790	22795	22799	22804	22799	22795
175.0	22811	22815	22819	22822	22826	22830	22833	22837	22833	22828
177.5	22816	22819	22822	22825	22828	22831	22834	22837	22832	22827
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

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	1588	1609	1631	1652	1673	1694	1715	1694	1673	1652
95.0	2330	2347	2365	2382	2399	2417	2434	2417	2399	2382
97.5	3193	3211	3229	3247	3265	3283	3301	3283	3265	3247
100.0	4074	4090	4106	4122	4137	4153	4169	4153	4137	4122
102.5	4969	4989	5010	5030	5050	5071	5091	5071	5050	5030
105.0	5958	5976	5995	6013	6031	6049	6067	6049	6031	6013
107.5	6946	6961	6976	6991	7006	7021	7036	7021	7006	6991
110.0	7920	7934	7949	7963	7977	7992	8006	7992	7977	7963
112.5	8864	8879	8895	8910	8925	8940	8955	8940	8925	8910
115.0	9800	9815	9830	9845	9860	9875	9890	9875	9860	9845

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CANDELA TABULATION - (Cont.)

117.5	10719	10731	10744	10756	10768	10780	10792	10780	10768	10756
120.0	11621	11637	11654	11670	11687	11703	11720	11703	11687	11670
122.5	12504	12517	12530	12543	12555	12568	12581	12568	12555	12543
125.0	13379	13392	13405	13418	13430	13443	13456	13443	13430	13418
127.5	14217	14227	14237	14247	14256	14266	14276	14266	14256	14247
130.0	15001	15010	15020	15029	15038	15047	15056	15047	15038	15029
132.5	15767	15774	15781	15788	15794	15801	15808	15801	15794	15788
135.0	16513	16517	16522	16526	16531	16535	16540	16535	16531	16526
137.5	17232	17234	17236	17238	17241	17243	17245	17243	17241	17238
140.0	17939	17937	17936	17934	17933	17931	17930	17931	17933	17934
142.5	18603	18602	18600	18599	18597	18596	18594	18596	18597	18599
145.0	19250	19249	19248	19247	19247	19246	19245	19246	19247	19247
147.5	19855	19855	19855	19855	19855	19855	19855	19855	19855	19855
150.0	20388	20387	20387	20386	20385	20385	20384	20385	20385	20386
152.5	20871	20869	20867	20865	20862	20860	20858	20860	20862	20865
155.0	21292	21290	21287	21285	21283	21280	21278	21280	21283	21285
157.5	21658	21656	21653	21651	21649	21646	21644	21646	21649	21651
160.0	21976	21974	21972	21970	21967	21965	21963	21965	21967	21970
162.5	22234	22232	22230	22228	22225	22223	22221	22223	22225	22228
165.0	22442	22439	22436	22433	22430	22427	22424	22427	22430	22433
167.5	22603	22599	22595	22591	22588	22584	22580	22584	22588	22591
170.0	22711	22707	22703	22699	22696	22692	22688	22692	22696	22699
172.5	22790	22786	22781	22777	22772	22768	22763	22768	22772	22777
175.0	22824	22819	22815	22810	22806	22801	22797	22801	22806	22810
177.5	22821	22816	22811	22806	22800	22795	22790	22795	22800	22806
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

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	1631	1609	1588	1567	1546	1525	1485	1445	1405	1365
95.0	2365	2347	2330	2313	2295	2278	2238	2198	2158	2118
97.5	3229	3211	3193	3175	3157	3139	3095	3051	3008	2964
100.0	4106	4090	4074	4059	4043	4027	3983	3939	3896	3852
102.5	5010	4989	4969	4949	4928	4908	4870	4831	4793	4754
105.0	5995	5976	5958	5940	5922	5904	5863	5821	5780	5738
107.5	6976	6961	6946	6931	6916	6901	6856	6811	6765	6720
110.0	7949	7934	7920	7906	7891	7877	7836	7794	7753	7711
112.5	8895	8879	8864	8849	8834	8819	8778	8736	8695	8653
115.0	9830	9815	9800	9785	9770	9755	9717	9680	9642	9604
117.5	10744	10731	10719	10707	10695	10683	10644	10605	10566	10527
120.0	11654	11637	11621	11604	11588	11571	11535	11499	11463	11427
122.5	12530	12517	12504	12492	12479	12466	12428	12389	12351	12312
125.0	13405	13392	13379	13367	13354	13341	13300	13259	13219	13178
127.5	14237	14227	14217	14208	14198	14188	14146	14104	14061	14019
130.0	15020	15010	15001	14992	14983	14974	14939	14903	14868	14833
132.5	15781	15774	15767	15761	15754	15747	15713	15679	15645	15611
135.0	16522	16517	16513	16508	16504	16499	16467	16434	16402	16370
137.5	17236	17234	17232	17229	17227	17225	17196	17168	17139	17110
140.0	17936	17937	17939	17940	17942	17943	17914	17884	17855	17826
142.5	18600	18602	18603	18605	18606	18608	18582	18557	18531	18505
145.0	19248	19249	19250	19250	19251	19252	19226	19199	19173	19146
147.5	19855	19855	19855	19855	19855	19855	19829	19802	19776	19750
150.0	20387	20387	20388	20389	20389	20390	20366	20342	20318	20294
152.5	20867	20869	20871	20874	20876	20878	20855	20831	20808	20785
155.0	21287	21290	21292	21294	21297	21299	21279	21260	21240	21220
157.5	21653	21656	21658	21660	21663	21665	21648	21630	21613	21596
160.0	21972	21974	21976	21979	21981	21983	21969	21955	21940	21926
162.5	22230	22232	22234	22237	22239	22241	22229	22217	22205	22193
165.0	22436	22439	22442	22445	22448	22451	22440	22430	22419	22409
167.5	22595	22599	22603	22606	22610	22614	22606	22597	22589	22581
170.0	22703	22707	22711	22714	22718	22722	22716	22710	22704	22698
172.5	22781	22786	22790	22795	22799	22804	22799	22795	22790	22786
175.0	22815	22819	22824	22828	22833	22837	22833	22830	22826	22822
177.5	22811	22816	22821	22827	22832	22837	22834	22831	22828	22825
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

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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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	1326	1286	1246	1206	1166	1119	1071	1024	976	929
95.0	2078	2038	1998	1958	1918	1870	1822	1774	1726	1677
97.5	2920	2876	2833	2789	2745	2694	2643	2591	2540	2489
100.0	3808	3764	3721	3677	3633	3580	3528	3475	3422	3370
102.5	4716	4677	4639	4600	4562	4508	4454	4399	4345	4291
105.0	5697	5655	5614	5572	5531	5473	5415	5357	5299	5241
107.5	6675	6630	6584	6539	6494	6434	6374	6313	6253	6193
110.0	7670	7628	7587	7545	7504	7435	7367	7298	7230	7161
112.5	8612	8570	8529	8487	8446	8377	8309	8240	8172	8103
115.0	9567	9529	9491	9454	9416	9344	9271	9199	9127	9054
117.5	10487	10448	10409	10370	10331	10258	10185	10112	10039	9965
120.0	11390	11354	11318	11282	11246	11171	11095	11020	10945	10869
122.5	12274	12235	12197	12158	12120	12045	11971	11896	11822	11747
125.0	13137	13096	13056	13015	12974	12901	12828	12755	12682	12609
127.5	13977	13935	13892	13850	13808	13736	13665	13593	13522	13450
130.0	14797	14762	14727	14691	14656	14585	14514	14443	14372	14302
132.5	15578	15544	15510	15476	15442	15374	15306	15239	15171	15103
135.0	16337	16305	16273	16240	16208	16147	16086	16025	15964	15903
137.5	17082	17053	17024	16996	16967	16909	16851	16793	16735	16677
140.0	17796	17767	17738	17708	17679	17623	17567	17512	17456	17400
142.5	18480	18454	18428	18403	18377	18324	18270	18217	18163	18110
145.0	19120	19093	19067	19040	19014	18964	18915	18865	18815	18766
147.5	19723	19697	19671	19644	19618	19571	19523	19476	19428	19381
150.0	20269	20245	20221	20197	20173	20129	20086	20042	19998	19955

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152.5	20761	20738	20715	20691	20668	20628	20588	20548	20508	20469
155.0	21201	21181	21161	21142	21122	21085	21048	21011	20974	20938
157.5	21578	21561	21544	21526	21509	21477	21444	21412	21379	21347
160.0	21912	21898	21883	21869	21855	21826	21798	21769	21740	21712
162.5	22181	22169	22157	22145	22133	22110	22086	22063	22039	22016
165.0	22398	22388	22377	22367	22356	22338	22320	22302	22284	22266
167.5	22572	22564	22556	22547	22539	22525	22510	22496	22482	22467
170.0	22692	22686	22680	22674	22668	22656	22644	22632	22620	22608
172.5	22781	22777	22772	22768	22763	22752	22742	22731	22721	22710
175.0	22819	22815	22811	22808	22804	22794	22784	22774	22764	22755
177.5	22822	22819	22816	22813	22810	22800	22790	22781	22771	22761
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

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	881	834	786	739	707	674	642	609	577	544
95.0	1629	1581	1533	1485	1434	1383	1331	1280	1229	1178
97.5	2438	2386	2335	2284	2222	2161	2099	2037	1976	1914

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CANDELA TABULATION - (Cont.)

100.0	3317	3264	3212	3159	3087	3016	2944	2873	2801	2730
102.5	4237	4182	4128	4074	3996	3917	3839	3761	3682	3604
105.0	5183	5125	5067	5009	4925	4840	4756	4672	4587	4503
107.5	6133	6072	6012	5952	5865	5777	5690	5602	5515	5427
110.0	7093	7024	6956	6887	6803	6720	6636	6553	6469	6386
112.5	8035	7966	7898	7829	7748	7668	7587	7507	7426	7346
115.0	8982	8910	8837	8765	8683	8601	8519	8437	8354	8272
117.5	9892	9819	9746	9673	9592	9512	9431	9351	9270	9190
120.0	10794	10719	10643	10568	10490	10411	10333	10255	10176	10098
122.5	11673	11598	11524	11449	11374	11298	11223	11148	11072	10997
125.0	12536	12463	12390	12317	12245	12174	12102	12031	11959	11888
127.5	13379	13307	13236	13164	13095	13027	12958	12890	12821	12753
130.0	14231	14160	14089	14018	13956	13893	13831	13768	13706	13643
132.5	15035	14968	14900	14832	14773	14714	14656	14597	14538	14479
135.0	15842	15781	15720	15659	15604	15549	15494	15439	15384	15329
137.5	16619	16561	16503	16445	16392	16338	16285	16231	16178	16124
140.0	17344	17289	17233	17177	17128	17079	17030	16981	16933	16884
142.5	18056	18003	17949	17896	17850	17804	17758	17712	17666	17620
145.0	18716	18666	18617	18567	18526	18484	18443	18401	18360	18318
147.5	19333	19286	19238	19191	19153	19116	19078	19040	19003	18965
150.0	19911	19867	19824	19780	19746	19712	19678	19644	19611	19577
152.5	20429	20389	20349	20309	20278	20247	20216	20185	20155	20124
155.0	20901	20864	20827	20790	20762	20734	20707	20679	20651	20623
157.5	21314	21282	21249	21217	21191	21164	21138	21112	21085	21059
160.0	21683	21654	21626	21597	21574	21552	21529	21507	21484	21462
162.5	21992	21969	21945	21922	21902	21881	21861	21841	21820	21800
165.0	22248	22230	22212	22194	22174	22155	22135	22115	22096	22076
167.5	22453	22439	22424	22410	22391	22372	22354	22335	22316	22297
170.0	22596	22584	22572	22560	22543	22525	22508	22491	22473	22456
172.5	22700	22689	22679	22668	22653	22638	22623	22608	22592	22577
175.0	22745	22735	22725	22715	22701	22688	22674	22661	22647	22634
177.5	22751	22742	22732	22722	22710	22698	22686	22674	22662	22650
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

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

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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	512	479	447	479	512	544	577	609	642	674
95.0	1126	1075	1024	1075	1126	1178	1229	1280	1331	1383
97.5	1852	1791	1729	1791	1852	1914	1976	2037	2099	2161
100.0	2658	2587	2515	2587	2658	2730	2801	2873	2944	3016
102.5	3526	3447	3369	3447	3526	3604	3682	3761	3839	3917
105.0	4419	4334	4250	4334	4419	4503	4587	4672	4756	4840
107.5	5340	5252	5165	5252	5340	5427	5515	5602	5690	5777
110.0	6302	6219	6135	6219	6302	6386	6469	6553	6636	6720
112.5	7265	7185	7104	7185	7265	7346	7426	7507	7587	7668
115.0	8190	8108	8026	8108	8190	8272	8354	8437	8519	8601
117.5	9109	9029	8948	9029	9109	9190	9270	9351	9431	9512
120.0	10020	9941	9863	9941	10020	10098	10176	10255	10333	10411
122.5	10922	10846	10771	10846	10922	10997	11072	11148	11223	11298
125.0	11816	11745	11673	11745	11816	11888	11959	12031	12102	12174
127.5	12684	12616	12547	12616	12684	12753	12821	12890	12958	13027
130.0	13581	13518	13456	13518	13581	13643	13706	13768	13831	13893
132.5	14421	14362	14303	14362	14421	14479	14538	14597	14656	14714
135.0	15274	15219	15164	15219	15274	15329	15384	15439	15494	15549
137.5	16071	16017	15964	16017	16071	16124	16178	16231	16285	16338
140.0	16835	16786	16737	16786	16835	16884	16933	16981	17030	17079
142.5	17574	17528	17482	17528	17574	17620	17666	17712	17758	17804
145.0	18277	18235	18194	18235	18277	18318	18360	18401	18443	18484
147.5	18927	18890	18852	18890	18927	18965	19003	19040	19078	19116
150.0	19543	19509	19475	19509	19543	19577	19611	19644	19678	19712
152.5	20093	20062	20031	20062	20093	20124	20155	20185	20216	20247
155.0	20596	20568	20540	20568	20596	20623	20651	20679	20707	20734
157.5	21033	21006	20980	21006	21033	21059	21085	21112	21138	21164
160.0	21439	21417	21394	21417	21439	21462	21484	21507	21529	21552
162.5	21780	21759	21739	21759	21780	21800	21820	21841	21861	21881
165.0	22056	22037	22017	22037	22056	22076	22096	22115	22135	22155
167.5	22279	22260	22241	22260	22279	22297	22316	22335	22354	22372
170.0	22439	22421	22404	22421	22439	22456	22473	22491	22508	22525
172.5	22562	22547	22532	22547	22562	22577	22592	22608	22623	22638
175.0	22620	22607	22593	22607	22620	22634	22647	22661	22674	22688
177.5	22638	22626	22614	22626	22638	22650	22662	22674	22686	22698
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

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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	707	739	786	834	881	929	976	1024	1071	1119
95.0	1434	1485	1533	1581	1629	1677	1726	1774	1822	1870
97.5	2222	2284	2335	2386	2438	2489	2540	2591	2643	2694
100.0	3087	3159	3212	3264	3317	3370	3422	3475	3528	3580
102.5	3996	4074	4128	4182	4237	4291	4345	4399	4454	4508
105.0	4925	5009	5067	5125	5183	5241	5299	5357	5415	5473
107.5	5865	5952	6012	6072	6133	6193	6253	6313	6374	6434
110.0	6803	6887	6956	7024	7093	7161	7230	7298	7367	7435
112.5	7748	7829	7898	7966	8035	8103	8172	8240	8309	8377
115.0	8683	8765	8837	8910	8982	9054	9127	9199	9271	9344
117.5	9592	9673	9746	9819	9892	9965	10039	10112	10185	10258
120.0	10490	10568	10643	10719	10794	10869	10945	11020	11095	11171
122.5	11374	11449	11524	11598	11673	11747	11822	11896	11971	12045
125.0	12245	12317	12390	12463	12536	12609	12682	12755	12828	12901
127.5	13095	13164	13236	13307	13379	13450	13522	13593	13665	13736
130.0	13956	14018	14089	14160	14231	14302	14372	14443	14514	14585

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CANDELA TABULATION - (Cont.)

132.5	14773	14832	14900	14968	15035	15103	15171	15239	15306	15374
135.0	15604	15659	15720	15781	15842	15903	15964	16025	16086	16147
137.5	16392	16445	16503	16561	16619	16677	16735	16793	16851	16909
140.0	17128	17177	17233	17289	17344	17400	17456	17512	17567	17623
142.5	17850	17896	17949	18003	18056	18110	18163	18217	18270	18324
145.0	18526	18567	18617	18666	18716	18766	18815	18865	18915	18964
147.5	19153	19191	19238	19286	19333	19381	19428	19476	19523	19571
150.0	19746	19780	19824	19867	19911	19955	19998	20042	20086	20129
152.5	20278	20309	20349	20389	20429	20469	20508	20548	20588	20628
155.0	20762	20790	20827	20864	20901	20938	20974	21011	21048	21085
157.5	21191	21217	21249	21282	21314	21347	21379	21412	21444	21477
160.0	21574	21597	21626	21654	21683	21712	21740	21769	21798	21826
162.5	21902	21922	21945	21969	21992	22016	22039	22063	22086	22110
165.0	22174	22194	22212	22230	22248	22266	22284	22302	22320	22338
167.5	22391	22410	22424	22439	22453	22467	22482	22496	22510	22525
170.0	22543	22560	22572	22584	22596	22608	22620	22632	22644	22656
172.5	22653	22668	22679	22689	22700	22710	22721	22731	22742	22752
175.0	22701	22715	22725	22735	22745	22755	22764	22774	22784	22794
177.5	22710	22722	22732	22742	22751	22761	22771	22781	22790	22800
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

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	1166	1206	1246	1286	1326	1365	1405	1445	1485	1525
95.0	1918	1958	1998	2038	2078	2118	2158	2198	2238	2278
97.5	2745	2789	2833	2876	2920	2964	3008	3051	3095	3139
100.0	3633	3677	3721	3764	3808	3852	3896	3939	3983	4027
102.5	4562	4600	4639	4677	4716	4754	4793	4831	4870	4908
105.0	5531	5572	5614	5655	5697	5738	5780	5821	5863	5904
107.5	6494	6539	6584	6630	6675	6720	6765	6811	6856	6901
110.0	7504	7545	7587	7628	7670	7711	7753	7794	7836	7877
112.5	8446	8487	8529	8570	8612	8653	8695	8736	8778	8819
115.0	9416	9454	9491	9529	9567	9604	9642	9680	9717	9755
117.5	10331	10370	10409	10448	10487	10527	10566	10605	10644	10683
120.0	11246	11282	11318	11354	11390	11427	11463	11499	11535	11571
122.5	12120	12158	12197	12235	12274	12312	12351	12389	12428	12466
125.0	12974	13015	13056	13096	13137	13178	13219	13259	13300	13341
127.5	13808	13850	13892	13935	13977	14019	14061	14104	14146	14188
130.0	14656	14691	14727	14762	14797	14833	14868	14903	14939	14974
132.5	15442	15476	15510	15544	15578	15611	15645	15679	15713	15747
135.0	16208	16240	16273	16305	16337	16370	16402	16434	16467	16499
137.5	16967	16996	17024	17053	17082	17110	17139	17168	17196	17225
140.0	17679	17708	17738	17767	17796	17826	17855	17884	17914	17943
142.5	18377	18403	18428	18454	18480	18505	18531	18557	18582	18608
145.0	19014	19040	19067	19093	19120	19146	19173	19199	19226	19252
147.5	19618	19644	19671	19697	19723	19750	19776	19802	19829	19855
150.0	20173	20197	20221	20245	20269	20294	20318	20342	20366	20390
152.5	20668	20691	20715	20738	20761	20785	20808	20831	20855	20878
155.0	21122	21142	21161	21181	21201	21220	21240	21260	21279	21299
157.5	21509	21526	21544	21561	21578	21596	21613	21630	21648	21665
160.0	21855	21869	21883	21898	21912	21926	21940	21955	21969	21983
162.5	22133	22145	22157	22169	22181	22193	22205	22217	22229	22241
165.0	22356	22367	22377	22388	22398	22409	22419	22430	22440	22451
167.5	22539	22547	22556	22564	22572	22581	22589	22597	22606	22614
170.0	22668	22674	22680	22686	22692	22698	22704	22710	22716	22722
172.5	22763	22768	22772	22777	22781	22786	22790	22795	22799	22804
175.0	22804	22808	22811	22815	22819	22822	22826	22830	22833	22837
177.5	22810	22813	22816	22819	22822	22825	22828	22831	22834	22837
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

Vert. Angles **Horizontal 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	1546	1567	1588	1609	1631	1652	1673	1694	1715	1694
95.0	2295	2313	2330	2347	2365	2382	2399	2417	2434	2417
97.5	3157	3175	3193	3211	3229	3247	3265	3283	3301	3283
100.0	4043	4059	4074	4090	4106	4122	4137	4153	4169	4153
102.5	4928	4949	4969	4989	5010	5030	5050	5071	5091	5071
105.0	5922	5940	5958	5976	5995	6013	6031	6049	6067	6049
107.5	6916	6931	6946	6961	6976	6991	7006	7021	7036	7021
110.0	7891	7906	7920	7934	7949	7963	7977	7992	8006	7992
112.5	8834	8849	8864	8879	8895	8910	8925	8940	8955	8940
115.0	9770	9785	9800	9815	9830	9845	9860	9875	9890	9875
117.5	10695	10707	10719	10731	10744	10756	10768	10780	10792	10780
120.0	11588	11604	11621	11637	11654	11670	11687	11703	11720	11703
122.5	12479	12492	12504	12517	12530	12543	12555	12568	12581	12568
125.0	13354	13367	13379	13392	13405	13418	13430	13443	13456	13443
127.5	14198	14208	14217	14227	14237	14247	14256	14266	14276	14266
130.0	14983	14992	15001	15010	15020	15029	15038	15047	15056	15047
132.5	15754	15761	15767	15774	15781	15788	15794	15801	15808	15801
135.0	16504	16508	16513	16517	16522	16526	16531	16535	16540	16535
137.5	17227	17229	17232	17234	17236	17238	17241	17243	17245	17243
140.0	17942	17940	17939	17937	17936	17934	17933	17931	17930	17931
142.5	18606	18605	18603	18602	18600	18599	18597	18596	18594	18596
145.0	19251	19250	19250	19249	19248	19247	19247	19246	19245	19246
147.5	19855	19855	19855	19855	19855	19855	19855	19855	19855	19855
150.0	20389	20389	20388	20387	20387	20386	20385	20385	20384	20385
152.5	20876	20874	20871	20869	20867	20865	20862	20860	20858	20860
155.0	21297	21294	21292	21290	21287	21285	21283	21280	21278	21280
157.5	21663	21660	21658	21656	21653	21651	21649	21646	21644	21646
160.0	21981	21979	21976	21974	21972	21970	21967	21965	21963	21965
162.5	22239	22237	22234	22232	22230	22228	22225	22223	22221	22223
165.0	22448	22445	22442	22439	22436	22433	22430	22427	22424	22427

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CANDELA TABULATION - (Cont.)

167.5	22610	22606	22603	22599	22595	22591	22588	22584	22580	22584
170.0	22718	22714	22711	22707	22703	22699	22696	22692	22688	22692
172.5	22799	22795	22790	22786	22781	22777	22772	22768	22763	22768
175.0	22833	22828	22824	22819	22815	22810	22806	22801	22797	22801
177.5	22832	22827	22821	22816	22811	22806	22800	22795	22790	22795
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

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	1673	1652	1631	1609	1588	1567	1546	1525	1485	1445
95.0	2399	2382	2365	2347	2330	2313	2295	2278	2238	2198
97.5	3265	3247	3229	3211	3193	3175	3157	3139	3095	3051
100.0	4137	4122	4106	4090	4074	4059	4043	4027	3983	3939
102.5	5050	5030	5010	4989	4969	4949	4928	4908	4870	4831
105.0	6031	6013	5995	5976	5958	5940	5922	5904	5863	5821
107.5	7006	6991	6976	6961	6946	6931	6916	6901	6856	6811
110.0	7977	7963	7949	7934	7920	7906	7891	7877	7836	7794
112.5	8925	8910	8895	8879	8864	8849	8834	8819	8778	8736

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CANDELA TABULATION - (Cont.)

115.0	9860	9845	9830	9815	9800	9785	9770	9755	9717	9680
117.5	10768	10756	10744	10731	10719	10707	10695	10683	10644	10605
120.0	11687	11670	11654	11637	11621	11604	11588	11571	11535	11499
122.5	12555	12543	12530	12517	12504	12492	12479	12466	12428	12389
125.0	13430	13418	13405	13392	13379	13367	13354	13341	13300	13259
127.5	14256	14247	14237	14227	14217	14208	14198	14188	14146	14104
130.0	15038	15029	15020	15010	15001	14992	14983	14974	14939	14903
132.5	15794	15788	15781	15774	15767	15761	15754	15747	15713	15679
135.0	16531	16526	16522	16517	16513	16508	16504	16499	16467	16434
137.5	17241	17238	17236	17234	17232	17229	17227	17225	17196	17168
140.0	17933	17934	17936	17937	17939	17940	17942	17943	17914	17884
142.5	18597	18599	18600	18602	18603	18605	18606	18608	18582	18557
145.0	19247	19247	19248	19249	19250	19250	19251	19252	19226	19199
147.5	19855	19855	19855	19855	19855	19855	19855	19855	19829	19802
150.0	20385	20386	20387	20387	20388	20389	20389	20390	20366	20342
152.5	20862	20865	20867	20869	20871	20874	20876	20878	20855	20831
155.0	21283	21285	21287	21290	21292	21294	21297	21299	21279	21260
157.5	21649	21651	21653	21656	21658	21660	21663	21665	21648	21630
160.0	21967	21970	21972	21974	21976	21979	21981	21983	21969	21955
162.5	22225	22228	22230	22232	22234	22237	22239	22241	22229	22217
165.0	22430	22433	22436	22439	22442	22445	22448	22451	22440	22430
167.5	22588	22591	22595	22599	22603	22606	22610	22614	22606	22597
170.0	22696	22699	22703	22707	22711	22714	22718	22722	22716	22710
172.5	22772	22777	22781	22786	22790	22795	22799	22804	22799	22795
175.0	22806	22810	22815	22819	22824	22828	22833	22837	22833	22830
177.5	22800	22806	22811	22816	22821	22827	22832	22837	22834	22831
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

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	1405	1365	1326	1286	1246	1206	1166	1119	1071	1024
95.0	2158	2118	2078	2038	1998	1958	1918	1870	1822	1774
97.5	3008	2964	2920	2876	2833	2789	2745	2694	2643	2591
100.0	3896	3852	3808	3764	3721	3677	3633	3580	3528	3475
102.5	4793	4754	4716	4677	4639	4600	4562	4508	4454	4399
105.0	5780	5738	5697	5655	5614	5572	5531	5473	5415	5357
107.5	6765	6720	6675	6630	6584	6539	6494	6434	6374	6313
110.0	7753	7711	7670	7628	7587	7545	7504	7435	7367	7298
112.5	8695	8653	8612	8570	8529	8487	8446	8377	8309	8240
115.0	9642	9604	9567	9529	9491	9454	9416	9344	9271	9199
117.5	10566	10527	10487	10448	10409	10370	10331	10258	10185	10112
120.0	11463	11427	11390	11354	11318	11282	11246	11171	11095	11020
122.5	12351	12312	12274	12235	12197	12158	12120	12045	11971	11896
125.0	13219	13178	13137	13096	13056	13015	12974	12901	12828	12755
127.5	14061	14019	13977	13935	13892	13850	13808	13736	13665	13593
130.0	14868	14833	14797	14762	14727	14691	14656	14585	14514	14443
132.5	15645	15611	15578	15544	15510	15476	15442	15374	15306	15239
135.0	16402	16370	16337	16305	16273	16240	16208	16147	16086	16025
137.5	17139	17110	17082	17053	17024	16996	16967	16909	16851	16793
140.0	17855	17826	17796	17767	17738	17708	17679	17623	17567	17512
142.5	18531	18505	18480	18454	18428	18403	18377	18324	18270	18217
145.0	19173	19146	19120	19093	19067	19040	19014	18964	18915	18865
147.5	19776	19750	19723	19697	19671	19644	19618	19571	19523	19476
150.0	20318	20294	20269	20245	20221	20197	20173	20129	20086	20042
152.5	20808	20785	20761	20738	20715	20691	20668	20628	20588	20548
155.0	21240	21220	21201	21181	21161	21142	21122	21085	21048	21011
157.5	21613	21596	21578	21561	21544	21526	21509	21477	21444	21412
160.0	21940	21926	21912	21898	21883	21869	21855	21826	21798	21769
162.5	22205	22193	22181	22169	22157	22145	22133	22110	22086	22063
165.0	22419	22409	22398	22388	22377	22367	22356	22338	22320	22302
167.5	22589	22581	22572	22564	22556	22547	22539	22525	22510	22496
170.0	22704	22698	22692	22686	22680	22674	22668	22656	22644	22632
172.5	22790	22786	22781	22777	22772	22768	22763	22752	22742	22731
175.0	22826	22822	22819	22815	22811	22808	22804	22794	22784	22774
177.5	22828	22825	22822	22819	22816	22813	22810	22800	22790	22781
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

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	976	929	881	834	786	739	707	674	642	609
95.0	1726	1677	1629	1581	1533	1485	1434	1383	1331	1280
97.5	2540	2489	2438	2386	2335	2284	2222	2161	2099	2037
100.0	3422	3370	3317	3264	3212	3159	3087	3016	2944	2873
102.5	4345	4291	4237	4182	4128	4074	3996	3917	3839	3761
105.0	5299	5241	5183	5125	5067	5009	4925	4840	4756	4672
107.5	6253	6193	6133	6072	6012	5952	5865	5777	5690	5602
110.0	7230	7161	7093	7024	6956	6887	6803	6720	6636	6553
112.5	8172	8103	8035	7966	7898	7829	7748	7668	7587	7507
115.0	9127	9054	8982	8910	8837	8765	8683	8601	8519	8437
117.5	10039	9965	9892	9819	9746	9673	9592	9512	9431	9351
120.0	10945	10869	10794	10719	10643	10568	10490	10411	10333	10255
122.5	11822	11747	11673	11598	11524	11449	11374	11298	11223	11148
125.0	12682	12609	12536	12463	12390	12317	12245	12174	12102	12031
127.5	13522	13450	13379	13307	13236	13164	13095	13027	12958	12890
130.0	14372	14302	14231	14160	14089	14018	13956	13893	13831	13768
132.5	15171	15103	15035	14968	14900	14832	14773	14714	14656	14597
135.0	15964	15903	15842	15781	15720	15659	15604	15549	15494	15439
137.5	16735	16677	16619	16561	16503	16445	16392	16338	16285	16231
140.0	17456	17400	17344	17289	17233	17177	17128	17079	17030	16981
142.5	18163	18110	18056	18003	17949	17896	17850	17804	17758	17712
145.0	18815	18766	18716	18666	18617	18567	18526	18484	18443	18401
147.5	19428	19381	19333	19286	19238	19191	19153	19116	19078	19040

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZNIA-2LEDSE-75L-DA-W-50-ID.IES

CANDELA TABULATION - (Cont.)

150.0	19998	19955	19911	19867	19824	19780	19746	19712	19678	19644
152.5	20508	20469	20429	20389	20349	20309	20278	20247	20216	20185
155.0	20974	20938	20901	20864	20827	20790	20762	20734	20707	20679
157.5	21379	21347	21314	21282	21249	21217	21191	21164	21138	21112
160.0	21740	21712	21683	21654	21626	21597	21574	21552	21529	21507
162.5	22039	22016	21992	21969	21945	21922	21902	21881	21861	21841
165.0	22284	22266	22248	22230	22212	22194	22174	22155	22135	22115
167.5	22482	22467	22453	22439	22424	22410	22391	22372	22354	22335
170.0	22620	22608	22596	22584	22572	22560	22543	22525	22508	22491
172.5	22721	22710	22700	22689	22679	22668	22653	22638	22623	22608
175.0	22764	22755	22745	22735	22725	22715	22701	22688	22674	22661
177.5	22771	22761	22751	22742	22732	22722	22710	22698	22686	22674
180.0	22722	22722	22722	22722	22722	22722	22722	22722	22722	22722

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	577	544	512	479	447
95.0	1229	1178	1126	1075	1024

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

97.5	1976	1914	1852	1791	1729
100.0	2801	2730	2658	2587	2515
102.5	3682	3604	3526	3447	3369
105.0	4587	4503	4419	4334	4250
107.5	5515	5427	5340	5252	5165
110.0	6469	6386	6302	6219	6135
112.5	7426	7346	7265	7185	7104
115.0	8354	8272	8190	8108	8026
117.5	9270	9190	9109	9029	8948
120.0	10176	10098	10020	9941	9863
122.5	11072	10997	10922	10846	10771
125.0	11959	11888	11816	11745	11673
127.5	12821	12753	12684	12616	12547
130.0	13706	13643	13581	13518	13456
132.5	14538	14479	14421	14362	14303
135.0	15384	15329	15274	15219	15164
137.5	16178	16124	16071	16017	15964
140.0	16933	16884	16835	16786	16737
142.5	17666	17620	17574	17528	17482
145.0	18360	18318	18277	18235	18194
147.5	19003	18965	18927	18890	18852
150.0	19611	19577	19543	19509	19475
152.5	20155	20124	20093	20062	20031
155.0	20651	20623	20596	20568	20540
157.5	21085	21059	21033	21006	20980
160.0	21484	21462	21439	21417	21394
162.5	21820	21800	21780	21759	21739
165.0	22096	22076	22056	22037	22017
167.5	22316	22297	22279	22260	22241
170.0	22473	22456	22439	22421	22404
172.5	22592	22577	22562	22547	22532
175.0	22647	22634	22620	22607	22593
177.5	22662	22650	22638	22626	22614
180.0	22722	22722	22722	22722	22722

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZNIA-2LEDSE-75L-DA-W-50-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	7729.34	N.A.	10.90
90-120	16846.17	N.A.	23.80
90-130	28284.69	N.A.	40.00
90-150	52484.29	N.A.	74.30
90-180	70644.19	N.A.	100.00
110-180	62914.86	N.A.	89.10
0-180	70644.19	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	2019.88
100-110	5709.46
110-120	9116.83
120-130	11438.52
130-140	12385.55
140-150	11814.05
150-160	9691.72
160-170	6299.8
170-180	2168.37

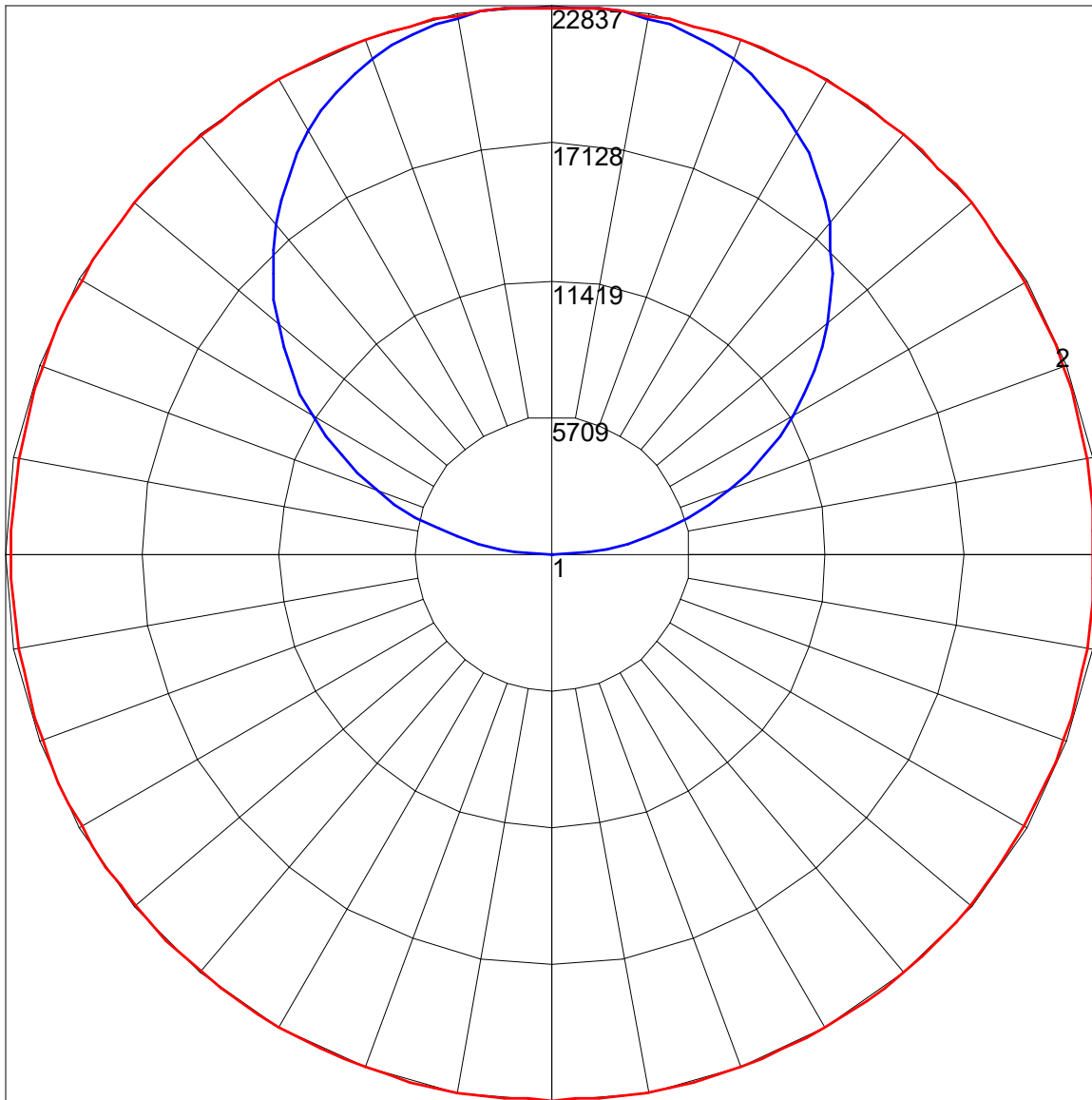
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ZNIA-2LEDSE-75L-DA-W-50-ID.IES

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 = 22837 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.)