



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SXS2-6-S-LED-HO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-7462
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 3/16/2016
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] SXS2-6-S-LED-HO-40
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[OTHER] SCALED FROM ORIGINAL TEST DATA
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	58891
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	605
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 w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	3.17 ft
Luminous Height	0.02 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	381
85	0	3553	8160

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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	9
85.0	0	0	0	0	0	0	10	38	63	88
87.5	0	0	0	7	39	69	99	132	159	185
90.0	0	0	32	67	102	142	180	213	268	316
92.5	202	213	223	240	303	364	418	502	588	669
95.0	484	503	521	545	593	654	730	842	965	1087
97.5	909	925	941	974	1029	1109	1200	1315	1457	1619
100.0	1483	1489	1508	1539	1586	1676	1802	1935	2077	2229
102.5	2204	2203	2244	2282	2331	2381	2481	2589	2717	2877
105.0	3110	3108	3126	3151	3162	3197	3259	3327	3433	3577
107.5	4126	4125	4124	4122	4099	4114	4147	4186	4254	4340
110.0	5166	5163	5161	5158	5147	5141	5133	5114	5136	5169
112.5	6234	6232	6250	6213	6199	6192	6177	6127	6092	6064
115.0	7315	7309	7297	7280	7265	7251	7191	7114	7067	7000
117.5	8348	8345	8345	8343	8318	8287	8189	8102	8022	7935
120.0	9360	9335	9330	9346	9317	9274	9198	9081	8974	8865
122.5	10286	10281	10276	10274	10257	10184	10106	10001	9897	9806
125.0	11180	11179	11174	11164	11116	11043	10962	10875	10788	10708
127.5	12006	12007	12011	11981	11932	11880	11810	11735	11657	11574
130.0	12782	12782	12777	12749	12714	12665	12610	12554	12509	12421
132.5	13526	13528	13517	13494	13468	13429	13380	13329	13265	13197

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CANDELA TABULATION - (Cont.)

135.0	14236	14233	14235	14203	14185	14157	14117	14075	14017	13948
137.5	14898	14887	14875	14864	14845	14823	14801	14773	14741	14678
140.0	15509	15484	15480	15480	15464	15453	15440	15408	15375	15340
142.5	16039	16042	16049	16053	16043	16027	16011	15983	15956	15938
145.0	16574	16577	16580	16565	16569	16544	16525	16507	16482	16458
147.5	17050	17051	17045	17031	17021	17013	16995	16979	16962	16926
150.0	17463	17461	17457	17453	17451	17435	17422	17407	17382	17350
152.5	17829	17826	17824	17825	17816	17805	17794	17786	17755	17735
155.0	18153	18155	18150	18143	18135	18122	18108	18090	18072	18053
157.5	18433	18435	18428	18414	18400	18389	18373	18355	18339	18325
160.0	18658	18651	18644	18637	18630	18611	18596	18583	18567	18550
162.5	18820	18821	18819	18812	18802	18793	18783	18771	18756	18746
165.0	18961	18960	18955	18951	18947	18940	18932	18922	18912	18898
167.5	19068	19068	19068	19066	19062	19056	19051	19045	19036	19028
170.0	19155	19154	19151	19149	19148	19148	19148	19147	19142	19138
172.5	19241	19242	19242	19244	19244	19243	19240	19238	19236	19234
175.0	19318	19318	19318	19319	19320	19319	19319	19319	19319	19317
177.5	19366	19366	19367	19367	19370	19367	19367	19366	19366	19366
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

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	14	33	52	71
80.0	0	0	4	27	49	70	89	104	117	129

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CANDELA TABULATION - (Cont.)

82.5	34	58	82	104	124	141	165	195	221	247
85.0	115	141	163	204	241	274	315	361	398	436
87.5	233	278	324	387	449	502	555	612	657	701
90.0	360	442	524	596	686	768	836	902	969	1018
92.5	781	888	982	1084	1183	1265	1333	1403	1461	1507
95.0	1236	1377	1494	1598	1695	1780	1857	1931	2001	2062
97.5	1790	1945	2056	2159	2262	2356	2441	2529	2613	2690
100.0	2384	2547	2658	2767	2877	2981	3080	3172	3264	3354
102.5	3040	3214	3346	3463	3521	3608	3711	3813	3917	4021
105.0	3727	3873	4018	4103	4189	4278	4371	4465	4554	4653
107.5	4434	4541	4669	4752	4824	4916	5016	5116	5206	5294
110.0	5212	5281	5366	5444	5493	5559	5633	5713	5801	5911
112.5	6052	6082	6118	6160	6183	6227	6285	6368	6441	6535
115.0	6955	6933	6910	6900	6909	6926	6963	7021	7083	7153
117.5	7857	7797	7739	7691	7674	7655	7667	7694	7736	7781
120.0	8765	8677	8595	8521	8472	8425	8411	8421	8423	8437
122.5	9686	9583	9482	9389	9311	9247	9194	9161	9143	9127
125.0	10595	10492	10388	10280	10175	10092	10013	9955	9906	9864
127.5	11483	11386	11284	11171	11059	10960	10895	10797	10726	10645
130.0	12342	12251	12155	12051	11944	11844	11740	11640	11539	11436
132.5	13132	13063	12982	12894	12788	12686	12575	12464	12355	12240
135.0	13876	13804	13735	13659	13557	13460	13357	13251	13151	13046
137.5	14622	14553	14465	14368	14266	14169	14078	13982	13887	13795
140.0	15298	15237	15148	15068	15012	14885	14786	14685	14582	14485
142.5	15892	15824	15752	15675	15600	15520	15440	15369	15286	15191
145.0	16410	16352	16294	16241	16148	16076	16003	15932	15859	15782
147.5	16886	16838	16786	16730	16659	16590	16518	16452	16385	16313
150.0	17316	17284	17241	17189	17134	17074	17013	16944	16868	16805
152.5	17705	17675	17644	17599	17559	17518	17474	17410	17347	17281
155.0	18037	18015	17990	17962	17927	17892	17853	17807	17763	17720
157.5	18306	18286	18268	18246	18227	18205	18176	18150	18117	18085
160.0	18534	18516	18497	18480	18462	18439	18418	18399	18380	18367
162.5	18725	18709	18694	18678	18658	18640	18623	18610	18600	18591
165.0	18885	18873	18859	18842	18827	18819	18810	18801	18793	18784
167.5	19019	19010	19003	18994	18987	18981	18976	18967	18959	18951
170.0	19135	19132	19128	19123	19119	19115	19111	19106	19099	19092
172.5	19233	19233	19232	19235	19227	19223	19220	19218	19216	19214
175.0	19315	19314	19313	19312	19312	19311	19311	19309	19308	19307
177.5	19366	19366	19366	19366	19366	19366	19366	19367	19367	19367
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

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	3	15	26	36	44
75.0	10	27	43	58	72	83	90	95	100	104
77.5	86	97	107	115	122	131	145	157	170	181
80.0	148	172	193	211	227	246	268	286	306	323
82.5	279	315	348	377	403	429	456	478	504	529
85.0	481	530	573	611	643	676	710	737	770	803
87.5	759	823	878	927	967	1006	1040	1065	1097	1134
90.0	1073	1150	1225	1288	1338	1388	1417	1448	1472	1522
92.5	1587	1671	1742	1800	1847	1885	1920	1942	1971	2023
95.0	2138	2227	2303	2364	2413	2450	2483	2505	2526	2584
97.5	2777	2855	2931	2994	3045	3084	3119	3143	3160	3221
100.0	3442	3527	3602	3668	3724	3769	3799	3821	3833	3888
102.5	4126	4206	4273	4333	4385	4428	4459	4484	4502	4550
105.0	4760	4841	4901	4959	5012	5062	5112	5156	5193	5241
107.5	5380	5464	5532	5596	5667	5734	5774	5805	5828	5859
110.0	6027	6138	6204	6261	6307	6345	6371	6393	6410	6433
112.5	6632	6724	6777	6816	6863	6908	6944	6979	7011	7041
115.0	7224	7292	7342	7373	7412	7452	7486	7522	7558	7591
117.5	7827	7873	7911	7941	7973	8008	8033	8060	8085	8108
120.0	8454	8473	8499	8513	8531	8550	8566	8583	8597	8606
122.5	9117	9112	9114	9120	9118	9116	9114	9115	9115	9116
125.0	9826	9798	9768	9748	9725	9700	9688	9678	9666	9656
127.5	10573	10511	10458	10409	10361	10313	10286	10261	10246	10222
130.0	11339	11257	11181	11109	11043	10985	10941	10900	10869	10841
132.5	12140	12031	11934	11838	11747	11688	11630	11597	11541	11505
135.0	12930	12817	12705	12592	12483	12418	12350	12292	12241	12195
137.5	13682	13569	13459	13346	13246	13177	13134	13040	12979	12925
140.0	14391	14285	14178	14068	13981	13913	13845	13778	13718	13663
142.5	15096	14999	14894	14784	14698	14622	14553	14486	14426	14374
145.0	15709	15636	15565	15503	15429	15348	15275	15199	15133	15075
147.5	16242	16174	16104	16061	16022	15965	15908	15853	15798	15747
150.0	16739	16678	16628	16590	16548	16513	16481	16435	16391	16350
152.5	17219	17151	17109	17069	17030	16997	16969	16946	16931	16894
155.0	17675	17634	17605	17535	17485	17436	17409	17385	17363	17350
157.5	18059	18032	17997	17964	17932	17902	17872	17840	17811	17780
160.0	18354	18336	18318	18300	18284	18270	18254	18237	18222	18204
162.5	18578	18564	18552	18540	18528	18517	18506	18492	18478	18465
165.0	18774	18763	18753	18744	18734	18723	18713	18704	18694	18682
167.5	18944	18937	18928	18919	18912	18904	18899	18889	18883	18879

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CANDELA TABULATION - (Cont.)

170.0	19086	19080	19077	19074	19072	19068	19064	19061	19059	19057
172.5	19213	19212	19209	19207	19205	19203	19202	19201	19200	19202
175.0	19305	19304	19304	19303	19303	19302	19302	19303	19307	19301
177.5	19368	19368	19368	19369	19372	19375	19368	19368	19368	19368
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

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	52	58	63	67	70	72	72	72	70	67
75.0	108	111	114	116	117	118	119	118	117	116
77.5	190	198	204	209	212	214	214	214	212	209
80.0	338	349	359	365	370	371	376	371	370	365
82.5	550	568	583	595	604	615	615	615	604	595
85.0	830	853	871	884	904	901	898	901	904	884
87.5	1165	1191	1212	1227	1248	1245	1241	1245	1248	1227
90.0	1565	1599	1625	1643	1669	1660	1652	1660	1669	1643
92.5	2068	2104	2132	2151	2178	2169	2160	2169	2178	2151
95.0	2631	2668	2694	2710	2729	2712	2699	2712	2729	2710
97.5	3270	3307	3333	3347	3358	3341	3322	3341	3358	3347
100.0	3938	3979	4009	4028	4036	4032	4016	4032	4036	4028
102.5	4600	4639	4665	4697	4684	4677	4657	4677	4684	4697
105.0	5292	5330	5355	5370	5365	5353	5329	5353	5365	5370
107.5	5908	5950	5985	6010	6021	6023	6014	6023	6021	6010
110.0	6476	6510	6546	6556	6564	6562	6550	6562	6564	6556
112.5	7084	7118	7140	7151	7154	7149	7135	7149	7154	7151
115.0	7626	7659	7678	7690	7695	7692	7681	7692	7695	7690

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CANDELA TABULATION - (Cont.)

117.5	8134	8168	8182	8195	8204	8207	8204	8207	8204	8195
120.0	8623	8644	8658	8670	8677	8681	8681	8681	8677	8670
122.5	9119	9135	9148	9157	9165	9169	9171	9169	9165	9157
125.0	9657	9657	9664	9669	9673	9676	9677	9676	9673	9669
127.5	10205	10204	10207	10209	10210	10211	10210	10211	10210	10209
130.0	10815	10800	10794	10789	10785	10781	10778	10781	10785	10789
132.5	11471	11443	11430	11420	11412	11406	11401	11406	11412	11420
135.0	12153	12115	12097	12082	12070	12060	12053	12060	12070	12082
137.5	12874	12827	12795	12772	12752	12737	12724	12737	12752	12772
140.0	13612	13563	13525	13498	13476	13458	13444	13458	13476	13498
142.5	14325	14280	14240	14215	14195	14178	14166	14178	14195	14215
145.0	15022	14972	14926	14892	14869	14850	14836	14850	14869	14892
147.5	15700	15652	15607	15565	15543	15525	15513	15525	15543	15565
150.0	16312	16274	16236	16201	16179	16173	16172	16173	16179	16201
152.5	16855	16817	16776	16736	16697	16687	16688	16687	16697	16736
155.0	17334	17328	17300	17258	17215	17164	17175	17164	17215	17258
157.5	17750	17722	17692	17665	17645	17634	17633	17634	17645	17665
160.0	18185	18166	18144	18119	18089	18065	18079	18065	18089	18119
162.5	18450	18433	18415	18397	18400	18407	18414	18407	18400	18397
165.0	18670	18659	18658	18665	18659	18661	18665	18661	18659	18665
167.5	18876	18875	18881	18873	18874	18875	18877	18875	18874	18873
170.0	19057	19062	19054	19053	19053	19054	19055	19054	19053	19053
172.5	19198	19198	19197	19197	19198	19198	19199	19198	19198	19197
175.0	19301	19301	19301	19301	19301	19302	19302	19302	19301	19301
177.5	19369	19369	19369	19369	19369	19370	19370	19370	19369	19369
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

Vert. Horizontal Angles
Angles

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	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	63	58	52	44	36	26	15	3	0	0
75.0	114	111	108	104	100	95	90	83	72	58
77.5	204	198	190	181	170	157	145	131	122	115
80.0	359	349	338	323	306	286	268	246	227	211
82.5	583	568	550	529	504	478	456	429	403	377
85.0	871	853	830	803	770	737	710	676	643	611
87.5	1212	1191	1165	1134	1097	1065	1040	1006	967	927
90.0	1625	1599	1565	1522	1472	1448	1417	1388	1338	1288
92.5	2132	2104	2068	2023	1971	1942	1920	1885	1847	1800
95.0	2694	2668	2631	2584	2526	2505	2483	2450	2413	2364
97.5	3333	3307	3270	3221	3160	3143	3119	3084	3045	2994
100.0	4009	3979	3938	3888	3833	3821	3799	3769	3724	3668
102.5	4665	4639	4600	4550	4502	4484	4459	4428	4385	4333
105.0	5355	5330	5292	5241	5193	5156	5112	5062	5012	4959
107.5	5985	5950	5908	5859	5828	5805	5774	5734	5667	5596
110.0	6546	6510	6476	6433	6410	6393	6371	6345	6307	6261
112.5	7140	7118	7084	7041	7011	6979	6944	6908	6863	6816
115.0	7678	7659	7626	7591	7558	7522	7486	7452	7412	7373
117.5	8182	8168	8134	8108	8085	8060	8033	8008	7973	7941
120.0	8658	8644	8623	8606	8597	8583	8566	8550	8531	8513
122.5	9148	9135	9119	9116	9115	9115	9114	9116	9118	9120
125.0	9664	9657	9657	9656	9666	9678	9688	9700	9725	9748
127.5	10207	10204	10205	10222	10246	10261	10286	10313	10361	10409
130.0	10794	10800	10815	10841	10869	10900	10941	10985	11043	11109
132.5	11430	11443	11471	11505	11541	11597	11630	11688	11747	11838
135.0	12097	12115	12153	12195	12241	12292	12350	12418	12483	12592
137.5	12795	12827	12874	12925	12979	13040	13134	13177	13246	13346
140.0	13525	13563	13612	13663	13718	13778	13845	13913	13981	14068
142.5	14240	14280	14325	14374	14426	14486	14553	14622	14698	14784
145.0	14926	14972	15022	15075	15133	15199	15275	15348	15429	15503
147.5	15607	15652	15700	15747	15798	15853	15908	15965	16022	16061
150.0	16236	16274	16312	16350	16391	16435	16481	16513	16548	16590
152.5	16776	16817	16855	16894	16931	16946	16969	16997	17030	17069
155.0	17300	17328	17334	17350	17363	17385	17409	17436	17485	17535
157.5	17692	17722	17750	17780	17811	17840	17872	17902	17932	17964
160.0	18144	18166	18185	18204	18222	18237	18254	18270	18284	18300
162.5	18415	18433	18450	18465	18478	18492	18506	18517	18528	18540
165.0	18658	18659	18670	18682	18694	18704	18713	18723	18734	18744
167.5	18881	18875	18876	18879	18883	18889	18899	18904	18912	18919
170.0	19054	19062	19057	19057	19059	19061	19064	19068	19072	19074
172.5	19197	19198	19198	19202	19200	19201	19202	19203	19205	19207
175.0	19301	19301	19301	19301	19307	19303	19302	19302	19303	19303
177.5	19369	19369	19369	19368	19368	19368	19368	19375	19372	19369
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

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	43	27	10	0	0	0	0	0	0	0
77.5	107	97	86	71	52	33	14	0	0	0
80.0	193	172	148	129	117	104	89	70	49	27
82.5	348	315	279	247	221	195	165	141	124	104
85.0	573	530	481	436	398	361	315	274	241	204
87.5	878	823	759	701	657	612	555	502	449	387
90.0	1225	1150	1073	1018	969	902	836	768	686	596
92.5	1742	1671	1587	1507	1461	1403	1333	1265	1183	1084
95.0	2303	2227	2138	2062	2001	1931	1857	1780	1695	1598
97.5	2931	2855	2777	2690	2613	2529	2441	2356	2262	2159
100.0	3602	3527	3442	3354	3264	3172	3080	2981	2877	2767
102.5	4273	4206	4126	4021	3917	3813	3711	3608	3521	3463
105.0	4901	4841	4760	4653	4554	4465	4371	4278	4189	4103
107.5	5532	5464	5380	5294	5206	5116	5016	4916	4824	4752
110.0	6204	6138	6027	5911	5801	5713	5633	5559	5493	5444
112.5	6777	6724	6632	6535	6441	6368	6285	6227	6183	6160
115.0	7342	7292	7224	7153	7083	7021	6963	6926	6909	6900
117.5	7911	7873	7827	7781	7736	7694	7667	7655	7674	7691
120.0	8499	8473	8454	8437	8423	8421	8411	8425	8472	8521
122.5	9114	9112	9117	9127	9143	9161	9194	9247	9311	9389
125.0	9768	9798	9826	9864	9906	9955	10013	10092	10175	10280
127.5	10458	10511	10573	10645	10726	10797	10895	10960	11059	11171
130.0	11181	11257	11339	11436	11539	11640	11740	11844	11944	12051
132.5	11934	12031	12140	12240	12355	12464	12575	12686	12788	12894
135.0	12705	12817	12930	13046	13151	13251	13357	13460	13557	13659
137.5	13459	13569	13682	13795	13887	13982	14078	14169	14266	14368
140.0	14178	14285	14391	14485	14582	14685	14786	14885	15012	15068
142.5	14894	14999	15096	15191	15286	15369	15440	15520	15600	15675
145.0	15565	15636	15709	15782	15859	15932	16003	16076	16148	16241
147.5	16104	16174	16242	16313	16385	16452	16518	16590	16659	16730
150.0	16628	16678	16739	16805	16868	16944	17013	17074	17134	17189

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CANDELA TABULATION - (Cont.)

152.5	17109	17151	17219	17281	17347	17410	17474	17518	17559	17599
155.0	17605	17634	17675	17720	17763	17807	17853	17892	17927	17962
157.5	17997	18032	18059	18085	18117	18150	18176	18205	18227	18246
160.0	18318	18336	18354	18367	18380	18399	18418	18439	18462	18480
162.5	18552	18564	18578	18591	18600	18610	18623	18640	18658	18678
165.0	18753	18763	18774	18784	18793	18801	18810	18819	18827	18842
167.5	18928	18937	18944	18951	18959	18967	18976	18981	18987	18994
170.0	19077	19080	19086	19092	19099	19106	19111	19115	19119	19123
172.5	19209	19212	19213	19214	19216	19218	19220	19223	19227	19235
175.0	19304	19304	19305	19307	19308	19309	19311	19311	19312	19312
177.5	19368	19368	19368	19367	19367	19367	19366	19366	19366	19366
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

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	4	0	0	0	0	0	0	0	0	0
82.5	82	58	34	9	0	0	0	0	0	0
85.0	163	141	115	88	63	38	10	0	0	0
87.5	324	278	233	185	159	132	99	69	39	7
90.0	524	442	360	316	268	213	180	142	102	67
92.5	982	888	781	669	588	502	418	364	303	240
95.0	1494	1377	1236	1087	965	842	730	654	593	545
97.5	2056	1945	1790	1619	1457	1315	1200	1109	1029	974

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CANDELA TABULATION - (Cont.)

100.0	2658	2547	2384	2229	2077	1935	1802	1676	1586	1539
102.5	3346	3214	3041	2877	2717	2589	2481	2381	2331	2282
105.0	4018	3873	3727	3577	3433	3327	3259	3197	3162	3151
107.5	4669	4541	4434	4340	4254	4186	4147	4114	4099	4122
110.0	5366	5281	5212	5169	5136	5114	5133	5141	5147	5158
112.5	6118	6082	6052	6064	6092	6127	6177	6192	6199	6213
115.0	6910	6933	6955	7000	7067	7114	7191	7251	7265	7280
117.5	7739	7797	7857	7935	8022	8102	8189	8287	8318	8343
120.0	8595	8677	8765	8865	8974	9081	9198	9274	9317	9346
122.5	9482	9583	9686	9806	9897	10001	10106	10184	10257	10274
125.0	10388	10492	10595	10708	10788	10875	10962	11043	11116	11164
127.5	11284	11386	11483	11574	11657	11735	11810	11880	11932	11981
130.0	12155	12251	12342	12421	12509	12554	12610	12665	12714	12749
132.5	12982	13063	13132	13197	13265	13329	13380	13429	13468	13494
135.0	13735	13804	13876	13948	14017	14075	14117	14157	14185	14203
137.5	14465	14553	14622	14678	14741	14773	14801	14823	14845	14864
140.0	15148	15237	15298	15340	15375	15408	15440	15453	15464	15480
142.5	15752	15824	15892	15938	15956	15983	16011	16027	16043	16053
145.0	16294	16352	16410	16458	16482	16507	16525	16544	16569	16565
147.5	16786	16838	16886	16926	16962	16979	16995	17013	17021	17031
150.0	17241	17284	17316	17350	17382	17407	17422	17435	17451	17453
152.5	17644	17675	17705	17735	17755	17786	17794	17805	17816	17825
155.0	17990	18015	18037	18053	18072	18090	18108	18122	18135	18143
157.5	18268	18286	18306	18325	18339	18355	18373	18389	18400	18414
160.0	18497	18516	18534	18550	18567	18583	18596	18611	18630	18637
162.5	18694	18709	18725	18746	18756	18771	18783	18793	18802	18812
165.0	18859	18873	18885	18898	18912	18922	18932	18940	18947	18951
167.5	19003	19010	19019	19028	19036	19045	19051	19056	19062	19066
170.0	19128	19132	19135	19138	19142	19147	19148	19148	19148	19149
172.5	19232	19233	19233	19234	19236	19238	19240	19243	19244	19244
175.0	19313	19314	19315	19317	19319	19319	19319	19319	19320	19319
177.5	19366	19366	19366	19366	19366	19366	19367	19367	19370	19367
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

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	10	38
87.5	0	0	0	0	0	7	39	69	99	132
90.0	32	0	0	0	32	67	102	142	180	213
92.5	223	213	202	213	223	240	303	364	418	502
95.0	521	503	484	503	521	545	593	654	730	842
97.5	941	925	909	925	941	974	1029	1109	1200	1315
100.0	1508	1489	1483	1489	1508	1539	1586	1676	1802	1935
102.5	2244	2203	2204	2203	2244	2282	2331	2381	2481	2589
105.0	3126	3108	3110	3108	3126	3151	3162	3197	3259	3327
107.5	4124	4125	4126	4125	4124	4122	4099	4114	4147	4186
110.0	5161	5163	5166	5163	5161	5158	5147	5141	5133	5114
112.5	6250	6232	6234	6232	6250	6213	6199	6192	6177	6127
115.0	7297	7309	7315	7309	7297	7280	7265	7251	7191	7114
117.5	8345	8345	8348	8345	8345	8343	8318	8287	8189	8102
120.0	9330	9335	9360	9335	9330	9346	9317	9274	9198	9081
122.5	10276	10281	10286	10281	10276	10274	10257	10184	10106	10001
125.0	11174	11179	11180	11179	11174	11164	11116	11043	10962	10875
127.5	12011	12007	12006	12007	12011	11981	11932	11880	11810	11735
130.0	12777	12782	12782	12782	12777	12749	12714	12665	12610	12554
132.5	13517	13528	13526	13528	13517	13494	13468	13429	13380	13329
135.0	14235	14233	14236	14233	14235	14203	14185	14157	14117	14075
137.5	14875	14887	14898	14887	14875	14864	14845	14823	14801	14773
140.0	15480	15484	15509	15484	15480	15480	15464	15453	15440	15408
142.5	16049	16042	16039	16042	16049	16053	16043	16027	16011	15983
145.0	16580	16577	16574	16577	16580	16565	16569	16544	16525	16507
147.5	17045	17051	17050	17051	17045	17031	17021	17013	16995	16979
150.0	17457	17461	17463	17461	17457	17453	17451	17435	17422	17407
152.5	17824	17826	17829	17826	17824	17825	17816	17805	17794	17786
155.0	18150	18155	18153	18155	18150	18143	18135	18122	18108	18090
157.5	18428	18435	18433	18435	18428	18414	18400	18389	18373	18355
160.0	18644	18651	18658	18651	18644	18637	18630	18611	18596	18583
162.5	18819	18821	18820	18821	18819	18812	18802	18793	18783	18771
165.0	18955	18960	18961	18960	18955	18951	18947	18940	18932	18922
167.5	19068	19068	19068	19068	19068	19066	19062	19056	19051	19045
170.0	19151	19154	19155	19154	19151	19149	19148	19148	19148	19147
172.5	19242	19242	19241	19242	19242	19244	19244	19243	19240	19238
175.0	19318	19318	19318	19318	19318	19319	19320	19319	19319	19319
177.5	19367	19366	19366	19366	19367	19367	19370	19367	19367	19366
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

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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	14	33
80.0	0	0	0	0	4	27	49	70	89	104
82.5	0	9	34	58	82	104	124	141	165	195
85.0	63	88	115	141	163	204	241	274	315	361
87.5	159	185	233	278	324	387	449	502	555	612
90.0	268	316	360	442	524	596	686	768	836	902
92.5	588	669	781	888	982	1084	1183	1265	1333	1403
95.0	965	1087	1236	1377	1494	1598	1695	1780	1857	1931
97.5	1457	1619	1790	1945	2056	2159	2262	2356	2441	2529
100.0	2077	2229	2384	2547	2658	2767	2877	2981	3080	3172
102.5	2717	2877	3040	3214	3346	3463	3521	3608	3711	3813
105.0	3433	3577	3727	3873	4018	4103	4189	4278	4371	4465
107.5	4254	4340	4434	4541	4669	4752	4824	4916	5016	5116
110.0	5136	5169	5212	5281	5366	5444	5493	5559	5633	5713
112.5	6092	6064	6052	6082	6118	6160	6183	6227	6285	6368
115.0	7067	7000	6955	6933	6910	6900	6909	6926	6963	7021
117.5	8022	7935	7857	7797	7739	7691	7674	7655	7667	7694
120.0	8974	8865	8765	8677	8595	8521	8472	8425	8411	8421
122.5	9897	9806	9686	9583	9482	9389	9311	9247	9194	9161
125.0	10788	10708	10595	10492	10388	10280	10175	10092	10013	9955
127.5	11657	11574	11483	11386	11284	11171	11059	10960	10895	10797
130.0	12509	12421	12342	12251	12155	12051	11944	11844	11740	11640

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CANDELA TABULATION - (Cont.)

132.5	13265	13197	13132	13063	12982	12894	12788	12686	12575	12464
135.0	14017	13948	13876	13804	13735	13659	13557	13460	13357	13251
137.5	14741	14678	14622	14553	14465	14368	14266	14169	14078	13982
140.0	15375	15340	15298	15237	15148	15068	15012	14885	14786	14685
142.5	15956	15938	15892	15824	15752	15675	15600	15520	15440	15369
145.0	16482	16458	16410	16352	16294	16241	16148	16076	16003	15932
147.5	16962	16926	16886	16838	16786	16730	16659	16590	16518	16452
150.0	17382	17350	17316	17284	17241	17189	17134	17074	17013	16944
152.5	17755	17735	17705	17675	17644	17599	17559	17518	17474	17410
155.0	18072	18053	18037	18015	17990	17962	17927	17892	17853	17807
157.5	18339	18325	18306	18286	18268	18246	18227	18205	18176	18150
160.0	18567	18550	18534	18516	18497	18480	18462	18439	18418	18399
162.5	18756	18746	18725	18709	18694	18678	18658	18640	18623	18610
165.0	18912	18898	18885	18873	18859	18842	18827	18819	18810	18801
167.5	19036	19028	19019	19010	19003	18994	18987	18981	18976	18967
170.0	19142	19138	19135	19132	19128	19123	19119	19115	19111	19106
172.5	19236	19234	19233	19233	19232	19235	19227	19223	19220	19218
175.0	19319	19317	19315	19314	19313	19312	19312	19311	19311	19309
177.5	19366	19366	19366	19366	19366	19366	19366	19366	19366	19367
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

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	3	15	26
75.0	0	0	10	27	43	58	72	83	90	95
77.5	52	71	86	97	107	115	122	131	145	157

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CANDELA TABULATION - (Cont.)

80.0	117	129	148	172	193	211	227	246	268	286
82.5	221	247	279	315	348	377	403	429	456	478
85.0	398	436	481	530	573	611	643	676	710	737
87.5	657	701	759	823	878	927	967	1006	1040	1065
90.0	969	1018	1073	1150	1225	1288	1338	1388	1417	1448
92.5	1461	1507	1587	1671	1742	1800	1847	1885	1920	1942
95.0	2001	2062	2138	2227	2303	2364	2413	2450	2483	2505
97.5	2613	2690	2777	2855	2931	2994	3045	3084	3119	3143
100.0	3264	3354	3442	3527	3602	3668	3724	3769	3799	3821
102.5	3917	4021	4126	4206	4273	4333	4385	4428	4459	4484
105.0	4554	4653	4760	4841	4901	4959	5012	5062	5112	5156
107.5	5206	5294	5380	5464	5532	5596	5667	5734	5774	5805
110.0	5801	5911	6027	6138	6204	6261	6307	6345	6371	6393
112.5	6441	6535	6632	6724	6777	6816	6863	6908	6944	6979
115.0	7083	7153	7224	7292	7342	7373	7412	7452	7486	7522
117.5	7736	7781	7827	7873	7911	7941	7973	8008	8033	8060
120.0	8423	8437	8454	8473	8499	8513	8531	8550	8566	8583
122.5	9143	9127	9117	9112	9114	9120	9118	9116	9114	9115
125.0	9906	9864	9826	9798	9768	9748	9725	9700	9688	9678
127.5	10726	10645	10573	10511	10458	10409	10361	10313	10286	10261
130.0	11539	11436	11339	11257	11181	11109	11043	10985	10941	10900
132.5	12355	12240	12140	12031	11934	11838	11747	11688	11630	11597
135.0	13151	13046	12930	12817	12705	12592	12483	12418	12350	12292
137.5	13887	13795	13682	13569	13459	13346	13246	13177	13134	13040
140.0	14582	14485	14391	14285	14178	14068	13981	13913	13845	13778
142.5	15286	15191	15096	14999	14894	14784	14698	14622	14553	14486
145.0	15859	15782	15709	15636	15565	15503	15429	15348	15275	15199
147.5	16385	16313	16242	16174	16104	16061	16022	15965	15908	15853
150.0	16868	16805	16739	16678	16628	16590	16548	16513	16481	16435
152.5	17347	17281	17219	17151	17109	17069	17030	16997	16969	16946
155.0	17763	17720	17675	17634	17605	17535	17485	17436	17409	17385
157.5	18117	18085	18059	18032	17997	17964	17932	17902	17872	17840
160.0	18380	18367	18354	18336	18318	18300	18284	18270	18254	18237
162.5	18600	18591	18578	18564	18552	18540	18528	18517	18506	18492
165.0	18793	18784	18774	18763	18753	18744	18734	18723	18713	18704
167.5	18959	18951	18944	18937	18928	18919	18912	18904	18899	18889
170.0	19099	19092	19086	19080	19077	19074	19072	19068	19064	19061
172.5	19216	19214	19213	19212	19209	19207	19205	19203	19202	19201
175.0	19308	19307	19305	19304	19304	19303	19303	19302	19302	19303
177.5	19367	19367	19368	19368	19368	19369	19372	19375	19368	19368
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

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	36	44	52	58	63	67	70	72	72	72
75.0	100	104	108	111	114	116	117	118	119	118
77.5	170	181	190	198	204	209	212	214	214	214
80.0	306	323	338	349	359	365	370	371	376	371
82.5	504	529	550	568	583	595	604	615	615	615
85.0	770	803	830	853	871	884	904	901	898	901
87.5	1097	1134	1165	1191	1212	1227	1248	1245	1241	1245
90.0	1472	1522	1565	1599	1625	1643	1669	1660	1652	1660
92.5	1971	2023	2068	2104	2132	2151	2178	2169	2160	2169
95.0	2526	2584	2631	2668	2694	2710	2729	2712	2699	2712
97.5	3160	3221	3270	3307	3333	3347	3358	3341	3322	3341
100.0	3833	3888	3938	3979	4009	4028	4036	4032	4016	4032
102.5	4502	4550	4600	4639	4665	4697	4684	4677	4657	4677
105.0	5193	5241	5292	5330	5355	5370	5365	5353	5329	5353
107.5	5828	5859	5908	5950	5985	6010	6021	6023	6014	6023
110.0	6410	6433	6476	6510	6546	6556	6564	6562	6550	6562
112.5	7011	7041	7084	7118	7140	7151	7154	7149	7135	7149
115.0	7558	7591	7626	7659	7678	7690	7695	7692	7681	7692
117.5	8085	8108	8134	8168	8182	8195	8204	8207	8204	8207
120.0	8597	8606	8623	8644	8658	8670	8677	8681	8681	8681
122.5	9115	9116	9119	9135	9148	9157	9165	9169	9171	9169
125.0	9666	9656	9657	9657	9664	9669	9673	9676	9677	9676
127.5	10246	10222	10205	10204	10207	10209	10210	10211	10210	10211
130.0	10869	10841	10815	10800	10794	10789	10785	10781	10778	10781
132.5	11541	11505	11471	11443	11430	11420	11412	11406	11401	11406
135.0	12241	12195	12153	12115	12097	12082	12070	12060	12053	12060
137.5	12979	12925	12874	12827	12795	12772	12752	12737	12724	12737
140.0	13718	13663	13612	13563	13525	13498	13476	13458	13444	13458
142.5	14426	14374	14325	14280	14240	14215	14195	14178	14166	14178
145.0	15133	15075	15022	14972	14926	14892	14869	14850	14836	14850
147.5	15798	15747	15700	15652	15607	15565	15543	15525	15513	15525
150.0	16391	16350	16312	16274	16236	16201	16179	16173	16172	16173
152.5	16931	16894	16855	16817	16776	16736	16697	16687	16688	16687
155.0	17363	17350	17334	17328	17300	17258	17215	17164	17175	17164
157.5	17811	17780	17750	17722	17692	17665	17645	17634	17633	17634
160.0	18222	18204	18185	18166	18144	18119	18089	18065	18079	18065
162.5	18478	18465	18450	18433	18415	18397	18400	18407	18414	18407
165.0	18694	18682	18670	18659	18658	18665	18659	18661	18665	18661

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CANDELA TABULATION - (Cont.)

167.5	18883	18879	18876	18875	18881	18873	18874	18875	18877	18875
170.0	19059	19057	19057	19062	19054	19053	19053	19054	19055	19054
172.5	19200	19202	19198	19198	19197	19197	19198	19198	19199	19198
175.0	19307	19301	19301	19301	19301	19301	19301	19302	19302	19302
177.5	19368	19368	19369	19369	19369	19369	19369	19370	19370	19370
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

Vert. Angles **Horizontal Angles**

	<u>275.0</u>	<u>277.5</u>	<u>280.0</u>	<u>282.5</u>	<u>285.0</u>	<u>287.5</u>	<u>290.0</u>	<u>292.5</u>	<u>295.0</u>	<u>297.5</u>
0.0	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	70	67	63	58	52	44	36	26	15	3
75.0	117	116	114	111	108	104	100	95	90	83
77.5	212	209	204	198	190	181	170	157	145	131
80.0	370	365	359	349	338	323	306	286	268	246
82.5	604	595	583	568	550	529	504	478	456	429
85.0	904	884	871	853	830	803	770	737	710	676
87.5	1248	1227	1212	1191	1165	1134	1097	1065	1040	1006
90.0	1669	1643	1625	1599	1565	1522	1472	1448	1417	1388
92.5	2178	2151	2132	2104	2068	2023	1971	1942	1920	1885
95.0	2729	2710	2694	2668	2631	2584	2526	2505	2483	2450
97.5	3358	3347	3333	3307	3270	3221	3160	3143	3119	3084
100.0	4036	4028	4009	3979	3938	3888	3833	3821	3799	3769
102.5	4684	4697	4665	4639	4600	4550	4502	4484	4459	4428
105.0	5365	5370	5355	5330	5292	5241	5193	5156	5112	5062
107.5	6021	6010	5985	5950	5908	5859	5828	5805	5774	5734
110.0	6564	6556	6546	6510	6476	6433	6410	6393	6371	6345
112.5	7154	7151	7140	7118	7084	7041	7011	6979	6944	6908

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CANDELA TABULATION - (Cont.)

115.0	7695	7690	7678	7659	7626	7591	7558	7522	7486	7452
117.5	8204	8195	8182	8168	8134	8108	8085	8060	8033	8008
120.0	8677	8670	8658	8644	8623	8606	8597	8583	8566	8550
122.5	9165	9157	9148	9135	9119	9116	9115	9115	9114	9116
125.0	9673	9669	9664	9657	9657	9656	9666	9678	9688	9700
127.5	10210	10209	10207	10204	10205	10222	10246	10261	10286	10313
130.0	10785	10789	10794	10800	10815	10841	10869	10900	10941	10985
132.5	11412	11420	11430	11443	11471	11505	11541	11597	11630	11688
135.0	12070	12082	12097	12115	12153	12195	12241	12292	12350	12418
137.5	12752	12772	12795	12827	12874	12925	12979	13040	13134	13177
140.0	13476	13498	13525	13563	13612	13663	13718	13778	13845	13913
142.5	14195	14215	14240	14280	14325	14374	14426	14486	14553	14622
145.0	14869	14892	14926	14972	15022	15075	15133	15199	15275	15348
147.5	15543	15565	15607	15652	15700	15747	15798	15853	15908	15965
150.0	16179	16201	16236	16274	16312	16350	16391	16435	16481	16513
152.5	16697	16736	16776	16817	16855	16894	16931	16946	16969	16997
155.0	17215	17258	17300	17328	17334	17350	17363	17385	17409	17436
157.5	17645	17665	17692	17722	17750	17780	17811	17840	17872	17902
160.0	18089	18119	18144	18166	18185	18204	18222	18237	18254	18270
162.5	18400	18397	18415	18433	18450	18465	18478	18492	18506	18517
165.0	18659	18665	18658	18659	18670	18682	18694	18704	18713	18723
167.5	18874	18873	18881	18875	18876	18879	18883	18889	18899	18904
170.0	19053	19053	19054	19062	19057	19057	19059	19061	19064	19068
172.5	19198	19197	19197	19198	19198	19202	19200	19201	19202	19203
175.0	19301	19301	19301	19301	19301	19301	19307	19303	19302	19302
177.5	19369	19369	19369	19369	19369	19368	19368	19368	19368	19375
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

Vert. Horizontal Angles
Angles

	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	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	72	58	43	27	10	0	0	0	0	0
77.5	122	115	107	97	86	71	52	33	14	0
80.0	227	211	193	172	148	129	117	104	89	70
82.5	403	377	348	315	279	247	221	195	165	141
85.0	643	611	573	530	481	436	398	361	315	274
87.5	967	927	878	823	759	701	657	612	555	502
90.0	1338	1288	1225	1150	1073	1018	969	902	836	768
92.5	1847	1800	1742	1671	1587	1507	1461	1403	1333	1265
95.0	2413	2364	2303	2227	2138	2062	2001	1931	1857	1780
97.5	3045	2994	2931	2855	2777	2690	2613	2529	2441	2356
100.0	3724	3668	3602	3527	3442	3354	3264	3172	3080	2981
102.5	4385	4333	4273	4206	4126	4021	3917	3813	3711	3608
105.0	5012	4959	4901	4841	4760	4653	4554	4465	4371	4278
107.5	5667	5596	5532	5464	5380	5294	5206	5116	5016	4916
110.0	6307	6261	6204	6138	6027	5911	5801	5713	5633	5559
112.5	6863	6816	6777	6724	6632	6535	6441	6368	6285	6227
115.0	7412	7373	7342	7292	7224	7153	7083	7021	6963	6926
117.5	7973	7941	7911	7873	7827	7781	7736	7694	7667	7655
120.0	8531	8513	8499	8473	8454	8437	8423	8421	8411	8425
122.5	9118	9120	9114	9112	9117	9127	9143	9161	9194	9247
125.0	9725	9748	9768	9798	9826	9864	9906	9955	10013	10092
127.5	10361	10409	10458	10511	10573	10645	10726	10797	10895	10960
130.0	11043	11109	11181	11257	11339	11436	11539	11640	11740	11844
132.5	11747	11838	11934	12031	12140	12240	12355	12464	12575	12686
135.0	12483	12592	12705	12817	12930	13046	13151	13251	13357	13460
137.5	13246	13346	13459	13569	13682	13795	13887	13982	14078	14169
140.0	13981	14068	14178	14285	14391	14485	14582	14685	14786	14885
142.5	14698	14784	14894	14999	15096	15191	15286	15369	15440	15520
145.0	15429	15503	15565	15636	15709	15782	15859	15932	16003	16076
147.5	16022	16061	16104	16174	16242	16313	16385	16452	16518	16590
150.0	16548	16590	16628	16678	16739	16805	16868	16944	17013	17074
152.5	17030	17069	17109	17151	17219	17281	17347	17410	17474	17518
155.0	17485	17535	17605	17634	17675	17720	17763	17807	17853	17892
157.5	17932	17964	17997	18032	18059	18085	18117	18150	18176	18205
160.0	18284	18300	18318	18336	18354	18367	18380	18399	18418	18439
162.5	18528	18540	18552	18564	18578	18591	18600	18610	18623	18640
165.0	18734	18744	18753	18763	18774	18784	18793	18801	18810	18819
167.5	18912	18919	18928	18937	18944	18951	18959	18967	18976	18981
170.0	19072	19074	19077	19080	19086	19092	19099	19106	19111	19115
172.5	19205	19207	19209	19212	19213	19214	19216	19218	19220	19223
175.0	19303	19303	19304	19304	19305	19307	19308	19309	19311	19311
177.5	19372	19369	19368	19368	19368	19367	19367	19367	19366	19366
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

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	49	27	4	0	0	0	0	0	0	0
82.5	124	104	82	58	34	9	0	0	0	0
85.0	241	204	163	141	115	88	63	38	10	0
87.5	449	387	324	278	233	185	159	132	99	69
90.0	686	596	524	442	360	316	268	213	180	142
92.5	1183	1084	982	888	781	669	588	502	418	364
95.0	1695	1598	1494	1377	1236	1087	965	842	730	654
97.5	2262	2159	2056	1945	1790	1619	1457	1315	1200	1109
100.0	2877	2767	2658	2547	2384	2229	2077	1935	1802	1676
102.5	3521	3463	3346	3214	3041	2877	2717	2589	2481	2381
105.0	4189	4103	4018	3873	3727	3577	3433	3327	3259	3197
107.5	4824	4752	4669	4541	4434	4340	4254	4186	4147	4114
110.0	5493	5444	5366	5281	5212	5169	5136	5114	5133	5141
112.5	6183	6160	6118	6082	6052	6064	6092	6127	6177	6192
115.0	6909	6900	6910	6933	6955	7000	7067	7114	7191	7251
117.5	7674	7691	7739	7797	7857	7935	8022	8102	8189	8287
120.0	8472	8521	8595	8677	8765	8865	8974	9081	9198	9274
122.5	9311	9389	9482	9583	9686	9806	9897	10001	10106	10184
125.0	10175	10280	10388	10492	10595	10708	10788	10875	10962	11043
127.5	11059	11171	11284	11386	11483	11574	11657	11735	11810	11880
130.0	11944	12051	12155	12251	12342	12421	12509	12554	12610	12665
132.5	12788	12894	12982	13063	13132	13197	13265	13329	13380	13429
135.0	13557	13659	13735	13804	13876	13948	14017	14075	14117	14157
137.5	14266	14368	14465	14553	14622	14678	14741	14773	14801	14823
140.0	15012	15068	15148	15237	15298	15340	15375	15408	15440	15453
142.5	15600	15675	15752	15824	15892	15938	15956	15983	16011	16027
145.0	16148	16241	16294	16352	16410	16458	16482	16507	16525	16544
147.5	16659	16730	16786	16838	16886	16926	16962	16979	16995	17013

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

150.0	17134	17189	17241	17284	17316	17350	17382	17407	17422	17435
152.5	17559	17599	17644	17675	17705	17735	17755	17786	17794	17805
155.0	17927	17962	17990	18015	18037	18053	18072	18090	18108	18122
157.5	18227	18246	18268	18286	18306	18325	18339	18355	18373	18389
160.0	18462	18480	18497	18516	18534	18550	18567	18583	18596	18611
162.5	18658	18678	18694	18709	18725	18746	18756	18771	18783	18793
165.0	18827	18842	18859	18873	18885	18898	18912	18922	18932	18940
167.5	18987	18994	19003	19010	19019	19028	19036	19045	19051	19056
170.0	19119	19123	19128	19132	19135	19138	19142	19147	19148	19148
172.5	19227	19235	19232	19233	19233	19234	19236	19238	19240	19243
175.0	19312	19312	19313	19314	19315	19317	19319	19319	19319	19319
177.5	19366	19366	19366	19366	19366	19366	19366	19366	19367	19367
180.0	19387	19387	19387	19387	19387	19387	19387	19387	19387	19387

Vert. Horizontal Angles
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	39	7	0	0	0
90.0	102	67	32	0	0
92.5	303	240	223	213	202
95.0	593	545	521	503	484

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CANDELA TABULATION - (Cont.)

97.5	1029	974	941	925	909
100.0	1586	1539	1508	1489	1483
102.5	2331	2282	2244	2203	2204
105.0	3162	3151	3126	3108	3110
107.5	4099	4122	4124	4125	4126
110.0	5147	5158	5161	5163	5166
112.5	6199	6213	6250	6232	6234
115.0	7265	7280	7297	7309	7315
117.5	8318	8343	8345	8345	8348
120.0	9317	9346	9330	9335	9360
122.5	10257	10274	10276	10281	10286
125.0	11116	11164	11174	11179	11180
127.5	11932	11981	12011	12007	12006
130.0	12714	12749	12777	12782	12782
132.5	13468	13494	13517	13528	13526
135.0	14185	14203	14235	14233	14236
137.5	14845	14864	14875	14887	14898
140.0	15464	15480	15480	15484	15509
142.5	16043	16053	16049	16042	16039
145.0	16569	16565	16580	16577	16574
147.5	17021	17031	17045	17051	17050
150.0	17451	17453	17457	17461	17463
152.5	17816	17825	17824	17826	17829
155.0	18135	18143	18150	18155	18153
157.5	18400	18414	18428	18435	18433
160.0	18630	18637	18644	18651	18658
162.5	18802	18812	18819	18821	18820
165.0	18947	18951	18955	18960	18961
167.5	19062	19066	19068	19068	19068
170.0	19148	19149	19151	19154	19155
172.5	19244	19244	19242	19242	19241
175.0	19320	19319	19318	19318	19318
177.5	19370	19367	19367	19366	19366
180.0	19387	19387	19387	19387	19387

IES INDOOR REPORT
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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	55.17	N.A.	0.10
0-90	557.74	N.A.	0.90
10-90	557.74	N.A.	0.90
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	55.17	N.A.	0.10
70-80	55.17	N.A.	0.10
80-90	502.58	N.A.	0.90
90-110	6685.58	N.A.	11.40
90-120	13896.85	N.A.	23.60
90-130	23008.98	N.A.	39.10
90-150	43016.88	N.A.	73.00
90-180	58332.87	N.A.	99.10
110-180	51647.3	N.A.	87.70
0-180	58890.62	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	55.17
80-90	502.58
90-100	2037.93
100-110	4647.65
110-120	7211.28
120-130	9112.13
130-140	10131.54
140-150	9876.36
150-160	8166.57
160-170	5312.91
170-180	1836.52

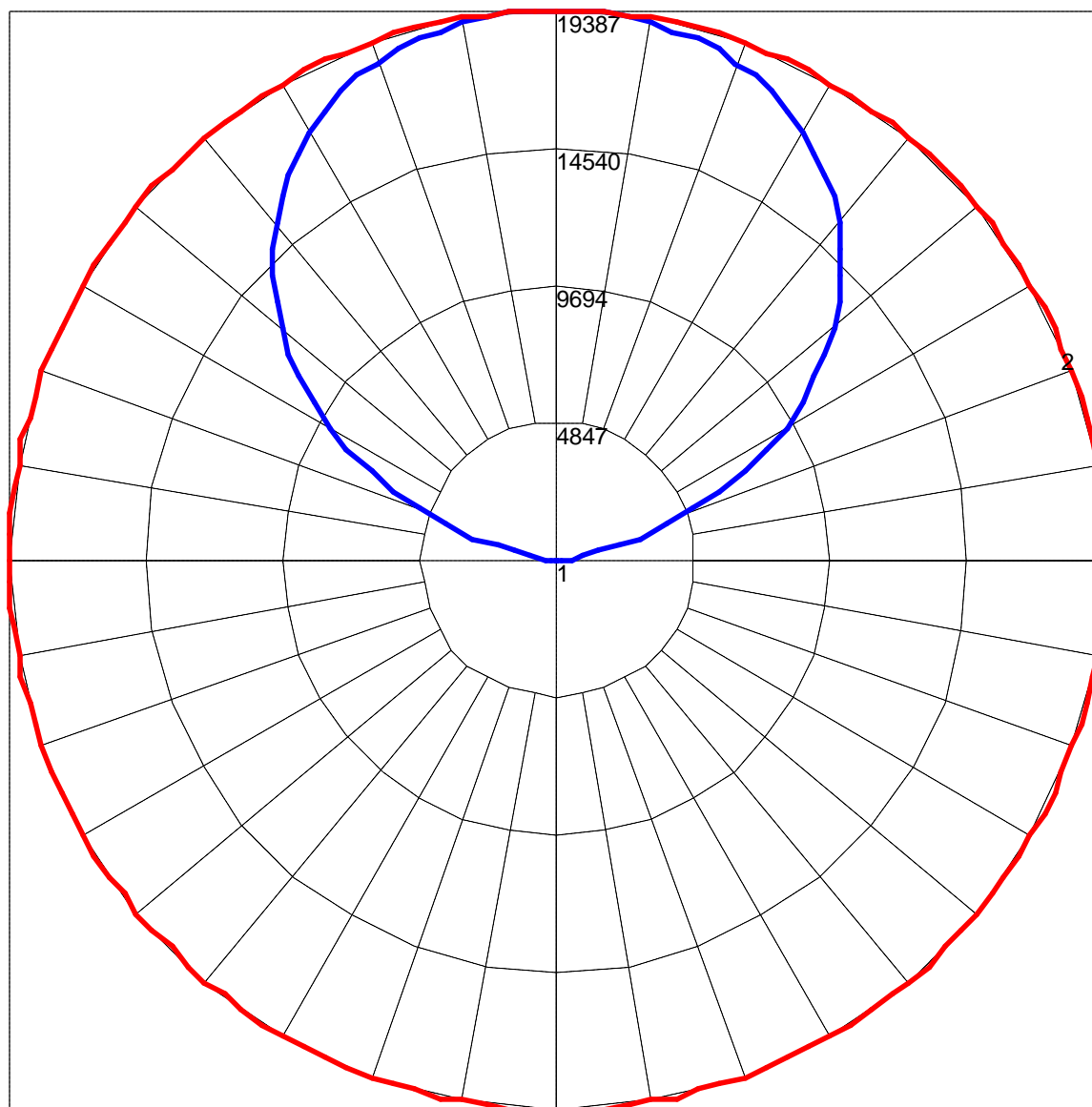
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	95	95	95	95	82	82	82	82	56	56	56	33	33	33	11	11	11	1
1	87	82	79	75	74	71	68	65	48	47	45	28	27	26	9	9	9	0
2	79	72	66	61	67	62	57	53	42	39	37	24	23	22	8	8	7	0
3	72	63	56	51	61	54	48	44	37	34	31	22	20	18	7	6	6	0
4	65	55	48	43	56	48	42	37	33	29	26	19	17	15	6	6	5	0
5	60	49	42	36	51	42	36	31	29	25	22	17	15	13	6	5	4	0
6	55	44	36	31	47	38	31	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	16	14	11	10	5	4	3	0
8	46	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	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 = 19387 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)