H.E. WILLIAMS, INC.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4WU-4-00-P7-8TW-FASY-POE 4000K_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ul #13323616.01
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 8 OCT 2020
[MANUFAC] H E Williams Inc
[LUMCAT] MX4WU-4'00-P7/8TW-FASY-PoE 4000k
[LUMINAIRE] White aluminum housing, frosted lens enclosure
[OTHER] This test was performed using the calibrated photodetector met
[MORE] hod of absolute photometry.
[_CONVERT] Luminaire test position and photometric web converted from original test data

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2849
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	20
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)	0.33 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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Results derived from content of manufacturers photometric file.

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CANDELA TABULATION

	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	2.064	2.488	2.912	3.335	3.759	4.184	4.608	5.031	5.455	5.879
92.5	20.239	21.550	22.861	24.173	25.484	26.796	28.107	29.418	30.730	32.041
95.0	44.426	46.425	48.425	50.424	52.424	54.423	56.423	58.422	60.422	62.421
97.5	73.101	75.789	78.477	81.164	83.851	86.539	89.227	91.914	94.601	97.289
100.0	106.039	109.320	112.601	115.882	119.163	122.444	125.725	129.005	132.286	135.567
102.5	142.658	146.382	150.107	153.832	157.556	161.280	165.005	168.730	172.454	176.179
105.0	181.160	185.353	189.547	193.740	197.933	202.127	206.320	210.513	214.707	218.900
107.5	220.785	225.452	230.119	234.786	239.453	244.120	248.787	253.454	258.120	262.788
110.0	261.127	266.218	271.309	276.399	281.491	286.581	291.672	296.763	301.854	306.945
112.5	302.188	307.434	312.679	317.924	323.170	328.414	333.660	338.905	344.151	349.396
115.0	342.172	347.857	353.541	359.224	364.909	370.593	376.277	381.961	387.646	393.329
117.5	381.437	387.630	393.823	400.015	406.208	412.401	418.594	424.786	430.979	437.172
120.0	420.928	427.559	434.191	440.823	447.454	454.086	460.717	467.348	473.980	480.611
122.5	459.968	466.999	474.029	481.060	488.090	495.120	502.151	509.182	516.211	523.242
125.0	499.010	506.340	513.669	520.998	528.328	535.657	542.987	550.317	557.647	564.976
127.5	538.051	545.530	553.010	560.489	567.967	575.447	582.926	590.405	597.885	605.363
130.0	575.297	583.076	590.854	598.632	606.410	614.189	621.967	629.746	637.524	645.302
132.5	611.198	619.375	627.552	635.730	643.907	652.083	660.261	668.438	676.615	684.792

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CANDELA TABULATION - (Cont.)

135.0	647.097	655.524	663.951	672.376	680.803	689.230	697.657	706.082	714.509	722.936
137.5	682.997	691.424	699.851	708.277	716.703	725.130	733.557	741.983	750.409	758.836
140.0	718.449	726.776	735.103	743.429	751.756	760.082	768.409	776.735	785.062	793.389
142.5	752.554	760.781	769.008	777.235	785.462	793.689	801.916	810.143	818.370	826.597
145.0	784.864	793.191	801.518	809.844	818.171	826.498	834.825	843.151	851.478	859.805
147.5	815.828	824.155	832.482	840.808	849.135	857.462	865.789	874.115	882.442	890.769
150.0	845.894	854.021	862.148	870.276	878.403	886.530	894.657	902.785	910.912	919.039
152.5	874.614	882.442	890.270	898.098	905.926	913.755	921.583	929.411	937.239	945.067
155.0	900.641	908.120	915.600	923.079	930.557	938.037	945.516	952.995	960.475	967.953
157.5	924.425	931.455	938.485	945.516	952.547	959.577	966.607	973.638	980.668	987.699
160.0	945.516	952.048	958.580	965.112	971.643	978.175	984.707	991.239	997.771	1004.303
162.5	964.363	970.346	976.330	982.313	988.296	994.280	1000.263	1006.247	1012.231	1018.214
165.0	980.967	986.253	991.537	996.823	1002.108	1007.393	1012.679	1017.964	1023.249	1028.534
167.5	995.327	999.864	1004.402	1008.940	1013.477	1018.014	1022.551	1027.089	1031.627	1036.164
170.0	1007.444	1011.134	1014.823	1018.513	1022.203	1025.892	1029.582	1033.272	1036.961	1040.651
172.5	1016.868	1019.759	1022.651	1025.544	1028.435	1031.327	1034.219	1037.112	1040.003	1042.895
175.0	1023.599	1025.643	1027.687	1029.732	1031.776	1033.820	1035.864	1037.909	1039.953	1041.997
177.5	1027.637	1028.784	1029.931	1031.078	1032.224	1033.372	1034.518	1035.665	1036.812	1037.959
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

Vert. Angles	**Horizontal Angles**									
	25.0	**27.5**	**30.0**	**32.5**	**35.0**	**37.5**	**40.0**	**42.5**	**45.0**	**47.5**
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	6.478	7.075	7.674	8.272	8.870	9.468	10.067	10.665	11.263	11.692
92.5	33.108	34.175	35.242	36.309	37.376	38.443	39.510	40.576	41.644	42.387
95.0	63.972	65.523	67.074	68.624	70.175	71.725	73.276	74.826	76.377	77.419
97.5	99.244	101.198	103.153	105.107	107.062	109.017	110.971	112.926	114.880	116.211
100.0	137.891	140.214	142.538	144.862	147.185	149.508	151.833	154.156	156.479	158.045
102.5	178.842	181.505	184.167	186.830	189.492	192.155	194.817	197.480	200.143	201.903
105.0	221.817	224.733	227.651	230.568	233.484	236.401	239.319	242.235	245.152	247.101
107.5	265.954	269.120	272.286	275.452	278.619	281.785	284.952	288.118	291.284	293.403
110.0	310.266	313.586	316.907	320.227	323.549	326.869	330.190	333.510	336.831	339.080
112.5	353.051	356.706	360.361	364.015	367.671	371.325	374.980	378.635	382.290	384.913
115.0	397.279	401.228	405.176	409.125	413.075	417.024	420.973	424.921	428.871	431.628
117.5	441.350	445.529	449.707	453.885	458.064	462.242	466.421	470.599	474.777	477.769
120.0	484.999	489.387	493.775	498.162	502.550	506.938	511.326	515.713	520.101	523.392
122.5	527.929	532.616	537.303	541.991	546.677	551.364	556.051	560.738	565.425	568.915
125.0	569.912	574.848	579.785	584.721	589.657	594.594	599.530	604.466	609.403	613.143
127.5	610.649	615.934	621.219	626.505	631.790	637.076	642.361	647.646	652.931	656.721
130.0	650.787	656.271	661.756	667.241	672.726	678.211	683.696	689.180	694.665	698.555
132.5	690.377	695.961	701.546	707.130	712.715	718.299	723.884	729.468	735.053	738.992
135.0	728.571	734.205	739.839	745.473	751.108	756.742	762.376	768.010	773.645	777.733
137.5	764.620	770.404	776.188	781.972	787.756	793.540	799.323	805.108	810.891	815.179
140.0	799.372	805.356	811.340	817.323	823.307	829.290	835.273	841.257	847.240	851.627
142.5	832.581	838.564	844.548	850.531	856.514	862.497	868.481	874.464	880.447	884.934
145.0	865.588	871.373	877.156	882.940	888.724	894.508	900.292	906.076	911.860	916.397
147.5	896.502	902.237	907.970	913.705	919.438	925.173	930.907	936.641	942.375	946.762
150.0	924.674	930.308	935.943	941.577	947.211	952.845	958.480	964.114	969.749	973.986
152.5	950.303	955.538	960.773	966.009	971.244	976.480	981.715	986.950	992.186	996.324
155.0	972.790	977.626	982.463	987.300	992.136	996.973	1001.809	1006.646	1011.482	1015.422
157.5	992.086	996.474	1000.862	1005.250	1009.637	1014.025	1018.413	1022.801	1027.188	1030.878
160.0	1008.242	1012.181	1016.120	1020.059	1023.998	1027.937	1031.876	1035.815	1039.754	1043.095
162.5	1021.654	1025.095	1028.535	1031.976	1035.415	1038.856	1042.296	1045.737	1049.178	1052.169
165.0	1031.526	1034.517	1037.510	1040.501	1043.493	1046.484	1049.477	1052.468	1055.460	1058.202
167.5	1038.557	1040.950	1043.343	1045.737	1048.130	1050.524	1052.917	1055.310	1057.703	1060.097
170.0	1042.496	1044.341	1046.186	1048.031	1049.875	1051.720	1053.565	1055.410	1057.255	1059.150
172.5	1044.042	1045.188	1046.336	1047.482	1048.629	1049.775	1050.923	1052.069	1053.216	1054.712
175.0	1042.496	1042.994	1043.493	1043.992	1044.490	1044.989	1045.488	1045.986	1046.484	1047.531
177.5	1037.809	1037.660	1037.510	1037.360	1037.211	1037.061	1036.911	1036.762	1036.612	1037.161
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

Vert. Angles	**Horizontal Angles**									
	50.0	**52.5**	**55.0**	**57.5**	**60.0**	**62.5**	**65.0**	**67.5**	**70.0**	**72.5**
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	12.121	12.550	12.978	13.408	13.836	14.265	14.694	15.123	15.322	15.522
92.5	43.130	43.873	44.616	45.359	46.102	46.845	47.588	48.331	48.595	48.859
95.0	78.462	79.503	80.545	81.588	82.630	83.671	84.714	85.756	86.090	86.424
97.5	117.543	118.874	120.205	121.537	122.868	124.199	125.531	126.862	127.280	127.699
100.0	159.611	161.176	162.742	164.307	165.874	167.439	169.005	170.570	170.999	171.428
102.5	203.662	205.423	207.183	208.943	210.703	212.463	214.223	215.983	216.422	216.861
105.0	249.051	251.001	252.951	254.900	256.850	258.799	260.749	262.699	263.222	263.745
107.5	295.522	297.641	299.761	301.879	303.998	306.118	308.236	310.356	310.929	311.502
110.0	341.329	343.578	345.827	348.075	350.324	352.573	354.822	357.070	357.683	358.297
112.5	387.535	390.158	392.781	395.403	398.026	400.649	403.272	405.894	406.507	407.121
115.0	434.385	437.142	439.900	442.657	445.414	448.171	450.929	453.686	454.384	455.082
117.5	480.761	483.753	486.744	489.736	492.727	495.720	498.711	501.703	502.401	503.099
120.0	526.683	529.974	533.265	536.555	539.846	543.137	546.428	549.719	550.467	551.215
122.5	572.406	575.895	579.386	582.876	586.367	589.857	593.347	596.837	597.635	598.432
125.0	616.881	620.621	624.361	628.100	631.840	635.580	639.319	643.059	643.857	644.654
127.5	660.510	664.300	668.089	671.878	675.667	679.457	683.247	687.036	688.033	689.030
130.0	702.443	706.333	710.221	714.111	718.000	721.889	725.778	729.667	730.714	731.762
132.5	742.931	746.870	750.809	754.748	758.686	762.626	766.564	770.504	771.601	772.698
135.0	781.822	785.911	790.000	794.088	798.177	802.265	806.354	810.442	811.639	812.835
137.5	819.468	823.756	828.043	832.332	836.620	840.907	845.196	849.484	850.730	851.977
140.0	856.016	860.403	864.791	869.179	873.567	877.954	882.343	886.730	887.877	889.023
142.5	889.422	893.910	898.397	902.884	907.372	911.860	916.347	920.834	922.081	923.327
145.0	920.934	925.472	930.010	934.547	939.084	943.622	948.159	952.696	954.043	955.389
147.5	951.150	955.538	959.926	964.313	968.701	973.089	977.477	981.864	983.210	984.557
150.0	978.225	982.463	986.701	990.940	995.178	999.415	1003.654	1007.892	1009.188	1010.484
152.5	1000.463	1004.601	1008.740	1012.878	1017.017	1021.155	1025.294	1029.432	1030.729	1032.025
155.0	1019.360	1023.300	1027.238	1031.178	1035.116	1039.055	1042.994	1046.933	1048.130	1049.326
157.5	1034.568	1038.257	1041.947	1045.637	1049.327	1053.016	1056.706	1060.396	1061.543	1062.689
160.0	1046.435	1049.776	1053.117	1056.457	1059.798	1063.138	1066.479	1069.820	1070.966	1072.113
162.5	1055.161	1058.152	1061.144	1064.136	1067.128	1070.119	1073.111	1076.102	1077.099	1078.097
165.0	1060.944	1063.687	1066.429	1069.171	1071.913	1074.656	1077.399	1080.141	1080.939	1081.736
167.5	1062.490	1064.884	1067.276	1069.670	1072.063	1074.457	1076.850	1079.243	1080.042	1080.839

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CANDELA TABULATION - (Cont.)

170.0	1061.045	1062.939	1064.834	1066.729	1068.623	1070.517	1072.412	1074.307	1075.056	1075.803
172.5	1056.207	1057.703	1059.199	1060.696	1062.191	1063.687	1065.183	1066.679	1067.178	1067.676
175.0	1048.579	1049.626	1050.672	1051.720	1052.767	1053.814	1054.861	1055.908	1056.158	1056.407
177.5	1037.708	1038.257	1038.806	1039.354	1039.903	1040.451	1040.999	1041.548	1041.748	1041.947
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

Vert. Angles	**Horizontal Angles**									
	75.0	**77.5**	**80.0**	**82.5**	**85.0**	**87.5**	**90.0**	**92.5**	**95.0**	**97.5**
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	15.721	15.921	16.119	16.319	16.518	16.718	16.918	16.718	16.518	16.319
92.5	49.123	49.388	49.652	49.916	50.181	50.445	50.709	50.445	50.181	49.916
95.0	86.758	87.092	87.426	87.760	88.094	88.429	88.763	88.429	88.094	87.760
97.5	128.118	128.536	128.956	129.375	129.793	130.212	130.631	130.212	129.793	129.375
100.0	171.857	172.285	172.715	173.143	173.572	174.001	174.430	174.001	173.572	173.143
102.5	217.300	217.738	218.177	218.616	219.055	219.493	219.932	219.493	219.055	218.616
105.0	264.269	264.793	265.316	265.840	266.364	266.887	267.410	266.887	266.364	265.840
107.5	312.076	312.650	313.222	313.796	314.370	314.943	315.516	314.943	314.370	313.796
110.0	358.910	359.524	360.137	360.750	361.363	361.977	362.590	361.977	361.363	360.750
112.5	407.734	408.348	408.961	409.574	410.187	410.801	411.414	410.801	410.187	409.574
115.0	455.780	456.478	457.176	457.875	458.572	459.271	459.968	459.271	458.572	457.875

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CANDELA TABULATION - (Cont.)

117.5	503.797	504.495	505.193	505.891	506.589	507.288	507.985	507.288	506.589	505.891
120.0	551.963	552.710	553.459	554.206	554.954	555.703	556.450	555.703	554.954	554.206
122.5	599.231	600.028	600.826	601.624	602.422	603.220	604.017	603.220	602.422	601.624
125.0	645.452	646.250	647.047	647.845	648.643	649.441	650.238	649.441	648.643	647.845
127.5	690.027	691.025	692.022	693.020	694.017	695.014	696.011	695.014	694.017	693.020
130.0	732.809	733.855	734.903	735.950	736.996	738.044	739.091	738.044	736.996	735.950
132.5	773.795	774.891	775.989	777.086	778.182	779.280	780.376	779.280	778.182	777.086
135.0	814.033	815.229	816.425	817.622	818.819	820.016	821.212	820.016	818.819	817.622
137.5	853.224	854.470	855.716	856.963	858.210	859.456	860.703	859.456	858.210	856.963
140.0	890.171	891.317	892.464	893.610	894.758	895.904	897.051	895.904	894.758	893.610
142.5	924.574	925.821	927.067	928.313	929.561	930.807	932.053	930.807	929.561	928.313
145.0	956.735	958.081	959.428	960.774	962.120	963.466	964.812	963.466	962.120	960.774
147.5	985.904	987.250	988.596	989.942	991.289	992.635	993.981	992.635	991.289	989.942
150.0	1011.782	1013.078	1014.374	1015.670	1016.967	1018.263	1019.560	1018.263	1016.967	1015.670
152.5	1033.322	1034.618	1035.914	1037.211	1038.508	1039.804	1041.100	1039.804	1038.508	1037.211
155.0	1050.524	1051.720	1052.917	1054.113	1055.310	1056.507	1057.703	1056.507	1055.310	1054.113
157.5	1063.837	1064.983	1066.130	1067.276	1068.424	1069.570	1070.717	1069.570	1068.424	1067.276
160.0	1073.260	1074.407	1075.554	1076.700	1077.848	1078.994	1080.141	1078.994	1077.848	1076.700
162.5	1079.094	1080.091	1081.088	1082.085	1083.082	1084.080	1085.077	1084.080	1083.082	1082.085
165.0	1082.534	1083.332	1084.130	1084.927	1085.725	1086.523	1087.321	1086.523	1085.725	1084.927
167.5	1081.637	1082.435	1083.233	1084.030	1084.828	1085.626	1086.424	1085.626	1084.828	1084.030
170.0	1076.551	1077.299	1078.047	1078.794	1079.543	1080.290	1081.039	1080.290	1079.543	1078.794
172.5	1068.174	1068.673	1069.171	1069.670	1070.169	1070.667	1071.166	1070.667	1070.169	1069.670
175.0	1056.656	1056.906	1057.154	1057.404	1057.653	1057.903	1058.152	1057.903	1057.653	1057.404
177.5	1042.147	1042.346	1042.545	1042.745	1042.944	1043.144	1043.343	1043.144	1042.944	1042.745
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

Vert. Angles	**Horizontal Angles**									
	100.0	**102.5**	**105.0**	**107.5**	**110.0**	**112.5**	**115.0**	**117.5**	**120.0**	**122.5**
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	16.119	15.921	15.721	15.522	15.322	15.123	14.694	14.265	13.836	13.408
92.5	49.652	49.388	49.123	48.859	48.595	48.331	47.588	46.845	46.102	45.359
95.0	87.426	87.092	86.758	86.424	86.090	85.756	84.714	83.671	82.630	81.588
97.5	128.956	128.536	128.118	127.699	127.280	126.862	125.531	124.199	122.868	121.537
100.0	172.715	172.285	171.857	171.428	170.999	170.570	169.005	167.439	165.874	164.307
102.5	218.177	217.738	217.300	216.861	216.422	215.983	214.223	212.463	210.703	208.943
105.0	265.316	264.793	264.269	263.745	263.222	262.699	260.749	258.799	256.850	254.900
107.5	313.222	312.650	312.076	311.502	310.929	310.356	308.236	306.118	303.998	301.879
110.0	360.137	359.524	358.910	358.297	357.683	357.070	354.822	352.573	350.324	348.075
112.5	408.961	408.348	407.734	407.121	406.507	405.894	403.272	400.649	398.026	395.403
115.0	457.176	456.478	455.780	455.082	454.384	453.686	450.929	448.171	445.414	442.657
117.5	505.193	504.495	503.797	503.099	502.401	501.703	498.711	495.720	492.727	489.736
120.0	553.459	552.710	551.963	551.215	550.467	549.719	546.428	543.137	539.846	536.555
122.5	600.826	600.028	599.231	598.432	597.635	596.837	593.347	589.857	586.367	582.876
125.0	647.047	646.250	645.452	644.654	643.857	643.059	639.319	635.580	631.840	628.100
127.5	692.022	691.025	690.027	689.030	688.033	687.036	683.246	679.457	675.667	671.878
130.0	734.903	733.855	732.809	731.762	730.714	729.667	725.778	721.889	718.000	714.111
132.5	775.989	774.891	773.795	772.698	771.601	770.504	766.564	762.626	758.686	754.748
135.0	816.425	815.229	814.033	812.835	811.639	810.442	806.354	802.265	798.177	794.088
137.5	855.716	854.470	853.224	851.977	850.730	849.484	845.196	840.907	836.620	832.332
140.0	892.464	891.317	890.171	889.023	887.877	886.730	882.343	877.954	873.567	869.179
142.5	927.067	925.821	924.574	923.327	922.081	920.834	916.347	911.860	907.372	902.884
145.0	959.428	958.081	956.735	955.389	954.043	952.696	948.159	943.622	939.084	934.547
147.5	988.596	987.250	985.904	984.557	983.210	981.864	977.477	973.089	968.701	964.313
150.0	1014.374	1013.078	1011.782	1010.484	1009.188	1007.892	1003.654	999.415	995.178	990.940
152.5	1035.914	1034.618	1033.322	1032.025	1030.729	1029.432	1025.294	1021.155	1017.017	1012.878
155.0	1052.917	1051.720	1050.524	1049.326	1048.130	1046.933	1042.994	1039.055	1035.116	1031.178
157.5	1066.130	1064.983	1063.837	1062.689	1061.543	1060.396	1056.706	1053.016	1049.327	1045.637
160.0	1075.554	1074.407	1073.260	1072.113	1070.966	1069.820	1066.479	1063.138	1059.798	1056.457
162.5	1081.088	1080.091	1079.094	1078.097	1077.099	1076.102	1073.111	1070.119	1067.128	1064.136
165.0	1084.130	1083.332	1082.534	1081.736	1080.939	1080.141	1077.399	1074.656	1071.913	1069.171
167.5	1083.233	1082.435	1081.637	1080.839	1080.042	1079.243	1076.850	1074.457	1072.063	1069.670
170.0	1078.047	1077.299	1076.551	1075.803	1075.056	1074.307	1072.412	1070.517	1068.623	1066.729
172.5	1069.171	1068.673	1068.174	1067.676	1067.178	1066.679	1065.183	1063.687	1062.191	1060.696
175.0	1057.154	1056.906	1056.656	1056.407	1056.158	1055.908	1054.861	1053.814	1052.767	1051.720
177.5	1042.545	1042.346	1042.147	1041.947	1041.748	1041.548	1040.999	1040.451	1039.903	1039.354
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

Vert. Angles	**Horizontal Angles**									
	125.0	**127.5**	**130.0**	**132.5**	**135.0**	**137.5**	**140.0**	**142.5**	**145.0**	**147.5**
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	12.978	12.550	12.121	11.692	11.263	10.665	10.067	9.468	8.870	8.272
92.5	44.616	43.873	43.130	42.387	41.644	40.576	39.510	38.443	37.376	36.309
95.0	80.545	79.503	78.462	77.419	76.377	74.826	73.276	71.725	70.175	68.624
97.5	120.205	118.874	117.543	116.211	114.880	112.926	110.971	109.017	107.062	105.107
100.0	162.742	161.176	159.611	158.045	156.479	154.156	151.833	149.508	147.185	144.862
102.5	207.183	205.423	203.662	201.903	200.143	197.480	194.817	192.155	189.492	186.830
105.0	252.951	251.001	249.051	247.101	245.152	242.235	239.319	236.401	233.484	230.568
107.5	299.761	297.641	295.522	293.403	291.284	288.118	284.952	281.785	278.619	275.452
110.0	345.827	343.578	341.329	339.080	336.831	333.510	330.190	326.869	323.549	320.227
112.5	392.781	390.158	387.535	384.913	382.290	378.635	374.980	371.325	367.671	364.015
115.0	439.900	437.142	434.385	431.628	428.871	424.921	420.973	417.024	413.075	409.125
117.5	486.744	483.753	480.761	477.769	474.777	470.599	466.421	462.242	458.064	453.885
120.0	533.265	529.974	526.683	523.392	520.101	515.713	511.326	506.938	502.550	498.162
122.5	579.386	575.895	572.406	568.915	565.425	560.738	556.051	551.364	546.677	541.991
125.0	624.361	620.621	616.881	613.143	609.403	604.466	599.530	594.594	589.657	584.721
127.5	668.089	664.300	660.510	656.721	652.931	647.646	642.360	637.076	631.790	626.505
130.0	710.221	706.333	702.443	698.555	694.665	689.180	683.696	678.211	672.726	667.241
132.5	750.809	746.870	742.931	738.992	735.053	729.468	723.884	718.299	712.715	707.130
135.0	790.000	785.911	781.822	777.733	773.645	768.010	762.376	756.742	751.108	745.473
137.5	828.043	823.756	819.468	815.179	810.891	805.108	799.323	793.540	787.756	781.972
140.0	864.791	860.403	856.016	851.627	847.240	841.257	835.273	829.290	823.307	817.323
142.5	898.397	893.910	889.422	884.934	880.447	874.464	868.481	862.497	856.514	850.531
145.0	930.010	925.472	920.934	916.397	911.860	906.076	900.292	894.508	888.724	882.940
147.5	959.926	955.538	951.150	946.762	942.375	936.641	930.907	925.173	919.438	913.705
150.0	986.701	982.463	978.225	973.986	969.749	964.114	958.480	952.845	947.211	941.577

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CANDELA TABULATION - (Cont.)

152.5	1008.740	1004.601	1000.463	996.324	992.186	986.950	981.715	976.480	971.244	966.009
155.0	1027.238	1023.300	1019.360	1015.422	1011.482	1006.646	1001.809	996.973	992.136	987.300
157.5	1041.947	1038.257	1034.568	1030.878	1027.188	1022.801	1018.413	1014.025	1009.637	1005.250
160.0	1053.117	1049.776	1046.435	1043.095	1039.754	1035.815	1031.876	1027.937	1023.998	1020.059
162.5	1061.144	1058.152	1055.161	1052.169	1049.178	1045.737	1042.296	1038.856	1035.415	1031.976
165.0	1066.429	1063.687	1060.944	1058.202	1055.460	1052.468	1049.477	1046.484	1043.493	1040.501
167.5	1067.276	1064.884	1062.490	1060.097	1057.703	1055.310	1052.917	1050.524	1048.130	1045.737
170.0	1064.834	1062.939	1061.045	1059.150	1057.255	1055.410	1053.565	1051.720	1049.875	1048.031
172.5	1059.199	1057.703	1056.207	1054.712	1053.216	1052.069	1050.923	1049.775	1048.629	1047.482
175.0	1050.672	1049.626	1048.579	1047.531	1046.484	1045.986	1045.488	1044.989	1044.490	1043.992
177.5	1038.806	1038.257	1037.708	1037.161	1036.612	1036.762	1036.911	1037.061	1037.211	1037.360
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

Vert. Angles	**Horizontal Angles**									
	150.0	**152.5**	**155.0**	**157.5**	**160.0**	**162.5**	**165.0**	**167.5**	**170.0**	**172.5**
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	7.674	7.075	6.478	5.879	5.455	5.031	4.608	4.184	3.759	3.335
92.5	35.242	34.175	33.108	32.041	30.730	29.418	28.107	26.796	25.484	24.173
95.0	67.074	65.523	63.972	62.421	60.422	58.422	56.423	54.423	52.424	50.424
97.5	103.153	101.198	99.244	97.289	94.601	91.914	89.227	86.539	83.851	81.164

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CANDELA TABULATION - (Cont.)

100.0	142.538	140.214	137.891	135.567	132.286	129.005	125.725	122.444	119.163	115.882
102.5	184.167	181.505	178.842	176.179	172.454	168.730	165.005	161.280	157.556	153.832
105.0	227.651	224.733	221.817	218.900	214.707	210.513	206.320	202.127	197.933	193.740
107.5	272.286	269.120	265.954	262.788	258.120	253.454	248.787	244.120	239.453	234.786
110.0	316.907	313.586	310.266	306.945	301.854	296.763	291.672	286.581	281.491	276.399
112.5	360.361	356.706	353.051	349.396	344.151	338.905	333.660	328.414	323.170	317.924
115.0	405.177	401.228	397.279	393.329	387.646	381.961	376.277	370.593	364.909	359.224
117.5	449.707	445.529	441.350	437.172	430.979	424.786	418.594	412.401	406.208	400.015
120.0	493.775	489.387	484.999	480.611	473.980	467.348	460.717	454.086	447.454	440.823
122.5	537.303	532.616	527.929	523.242	516.211	509.182	502.151	495.120	488.090	481.060
125.0	579.785	574.848	569.912	564.976	557.647	550.317	542.987	535.657	528.328	520.998
127.5	621.219	615.934	610.649	605.363	597.885	590.405	582.926	575.447	567.967	560.489
130.0	661.756	656.271	650.787	645.302	637.524	629.746	621.967	614.189	606.410	598.632
132.5	701.546	695.961	690.377	684.792	676.615	668.438	660.261	652.083	643.907	635.730
135.0	739.839	734.205	728.571	722.936	714.509	706.082	697.657	689.230	680.803	672.376
137.5	776.188	770.404	764.620	758.836	750.409	741.983	733.557	725.130	716.703	708.277
140.0	811.340	805.356	799.372	793.389	785.062	776.735	768.409	760.082	751.756	743.429
142.5	844.548	838.564	832.581	826.597	818.370	810.143	801.916	793.689	785.462	777.235
145.0	877.156	871.373	865.588	859.805	851.478	843.151	834.825	826.498	818.171	809.844
147.5	907.970	902.237	896.502	890.769	882.442	874.115	865.789	857.462	849.135	840.808
150.0	935.943	930.308	924.674	919.039	910.912	902.785	894.657	886.530	878.403	870.276
152.5	960.773	955.538	950.303	945.067	937.239	929.411	921.583	913.755	905.926	898.098
155.0	982.463	977.626	972.790	967.953	960.475	952.995	945.516	938.037	930.557	923.079
157.5	1000.862	996.474	992.086	987.699	980.668	973.638	966.607	959.577	952.547	945.516
160.0	1016.120	1012.181	1008.242	1004.303	997.771	991.239	984.707	978.175	971.643	965.112
162.5	1028.535	1025.095	1021.654	1018.214	1012.231	1006.247	1000.263	994.280	988.296	982.313
165.0	1037.510	1034.517	1031.526	1028.534	1023.249	1017.964	1012.679	1007.393	1002.108	996.823
167.5	1043.343	1040.950	1038.557	1036.164	1031.627	1027.089	1022.551	1018.014	1013.477	1008.940
170.0	1046.186	1044.341	1042.496	1040.651	1036.961	1033.272	1029.582	1025.892	1022.203	1018.513
172.5	1046.336	1045.188	1044.042	1042.895	1040.003	1037.112	1034.219	1031.327	1028.435	1025.544
175.0	1043.493	1042.994	1042.496	1041.997	1039.953	1037.909	1035.864	1033.820	1031.776	1029.732
177.5	1037.510	1037.660	1037.809	1037.959	1036.812	1035.665	1034.518	1033.372	1032.224	1031.078
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

Vert. Angles	**Horizontal Angles**									
	175.0	**177.5**	**180.0**	**182.5**	**185.0**	**187.5**	**190.0**	**192.5**	**195.0**	**197.5**
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	2.912	2.488	2.064	1.870	1.676	1.481	1.286	1.092	0.898	0.703
92.5	22.861	21.550	20.239	19.256	18.274	17.292	16.310	15.327	14.346	13.363
95.0	48.425	46.425	44.426	43.155	41.883	40.612	39.341	38.069	36.797	35.526
97.5	78.477	75.789	73.101	71.471	69.841	68.210	66.580	64.949	63.319	61.688
100.0	112.601	109.320	106.039	103.950	101.861	99.772	97.683	95.593	93.504	91.415
102.5	150.107	146.382	142.658	140.000	137.343	134.685	132.028	129.369	126.712	124.054
105.0	189.547	185.353	181.160	177.939	174.718	171.497	168.276	165.055	161.834	158.613
107.5	230.119	225.452	220.785	217.100	213.416	209.731	206.046	202.361	198.676	194.992
110.0	271.309	266.218	261.127	257.034	252.940	248.846	244.753	240.659	236.566	232.472
112.5	312.679	307.434	302.188	297.641	293.093	288.546	283.999	279.451	274.904	270.357
115.0	353.541	347.857	342.172	337.256	332.340	327.423	322.507	317.590	312.675	307.758
117.5	393.823	387.630	381.437	376.192	370.946	365.701	360.456	355.211	349.965	344.720
120.0	434.191	427.559	420.928	415.294	409.659	404.024	398.390	392.756	387.122	381.487
122.5	474.029	466.999	459.968	454.050	448.131	442.213	436.294	430.376	424.457	418.539
125.0	513.669	506.340	499.010	492.712	486.415	480.117	473.820	467.523	461.225	454.928
127.5	553.010	545.530	538.051	531.370	524.688	518.007	511.325	504.644	497.963	491.281
130.0	590.854	583.076	575.297	568.367	561.436	554.505	547.575	540.644	533.714	526.783
132.5	627.552	619.375	611.198	604.067	596.938	589.807	582.677	575.547	568.416	561.286
135.0	663.951	655.524	647.097	639.868	632.637	625.408	618.178	610.948	603.718	596.489
137.5	699.851	691.424	682.997	675.718	668.438	661.159	653.878	646.599	639.319	632.040
140.0	735.103	726.776	718.449	711.119	703.789	696.460	689.130	681.801	674.471	667.142
142.5	769.008	760.781	752.554	745.274	737.994	730.714	723.435	716.155	708.875	701.595
145.0	801.518	793.191	784.864	777.783	770.703	763.623	756.542	749.462	742.382	735.301
147.5	832.482	824.155	815.828	808.947	802.066	795.185	788.304	781.423	774.542	767.662
150.0	862.148	854.021	845.894	839.162	832.431	825.699	818.968	812.238	805.506	798.775
152.5	890.270	882.442	874.614	867.982	861.350	854.719	848.087	841.456	834.825	828.193
155.0	915.600	908.120	900.641	894.209	887.777	881.345	874.913	868.481	862.049	855.617
157.5	938.485	931.455	924.425	918.342	912.259	906.175	900.092	894.010	887.927	881.843
160.0	958.580	952.048	945.516	939.882	934.247	928.614	922.979	917.345	911.710	906.076
162.5	976.330	970.346	964.363	959.277	954.191	949.106	944.020	938.934	933.848	928.763
165.0	991.537	986.253	980.967	976.480	971.993	967.504	963.017	958.530	954.043	949.554
167.5	1004.402	999.864	995.327	991.438	987.549	983.659	979.771	975.881	971.993	968.103
170.0	1014.823	1011.134	1007.444	1004.203	1000.962	997.721	994.480	991.239	987.998	984.757
172.5	1022.651	1019.759	1016.868	1014.375	1011.881	1009.389	1006.895	1004.402	1001.909	999.416
175.0	1027.687	1025.643	1023.599	1021.953	1020.308	1018.663	1017.017	1015.372	1013.726	1012.081
177.5	1029.931	1028.784	1027.637	1026.939	1026.241	1025.543	1024.845	1024.147	1023.449	1022.751
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	200.0	202.5	205.0	207.5	210.0	212.5	215.0	217.5	220.0	222.5
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.509	0.314	0.309	0.305	0.299	0.294	0.290	0.284	0.279	0.274
92.5	12.381	11.399	11.070	10.740	10.412	10.082	9.753	9.424	9.095	8.765
95.0	34.255	32.984	32.619	32.256	31.891	31.527	31.163	30.799	30.435	30.071
97.5	60.058	58.428	57.924	57.420	56.917	56.413	55.909	55.406	54.902	54.398
100.0	89.326	87.237	86.449	85.662	84.873	84.086	83.298	82.511	81.722	80.935
102.5	121.397	118.740	117.597	116.455	115.314	114.172	113.030	111.888	110.747	109.605
105.0	155.393	152.171	150.625	149.080	147.534	145.989	144.443	142.897	141.352	139.806
107.5	191.307	187.622	185.638	183.654	181.669	179.685	177.700	175.716	173.731	171.747
110.0	228.379	224.285	221.807	219.329	216.851	214.373	211.895	209.417	206.938	204.461
112.5	265.810	261.263	258.325	255.389	252.452	249.515	246.578	243.641	240.704	237.768
115.0	302.842	297.925	294.535	291.144	287.753	284.364	280.973	277.582	274.192	270.801
117.5	339.475	334.229	330.525	326.820	323.115	319.410	315.705	312.001	308.296	304.592
120.0	375.853	370.219	366.240	362.260	358.282	354.303	350.324	346.345	342.366	338.387
122.5	412.621	406.702	402.194	397.688	393.180	388.672	384.165	379.657	375.149	370.643
125.0	448.630	442.333	437.576	432.819	428.063	423.305	418.549	413.792	409.035	404.279
127.5	484.600	477.918	472.888	467.857	462.825	457.795	452.764	447.733	442.701	437.671
130.0	519.852	512.922	507.636	502.350	497.066	491.780	486.495	481.209	475.925	470.639

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CANDELA TABULATION - (Cont.)

132.5	554.156	547.026	541.591	536.156	530.721	525.287	519.852	514.417	508.982	503.548
135.0	589.258	582.029	576.344	570.661	564.976	559.292	553.608	547.924	542.239	536.555
137.5	624.759	617.480	611.597	605.713	599.829	593.946	588.062	582.179	576.295	570.411
140.0	659.812	652.482	646.499	640.515	634.532	628.549	622.565	616.582	610.599	604.615
142.5	694.316	687.036	681.053	675.069	669.086	663.102	657.119	651.136	645.152	639.169
145.0	728.221	721.141	715.108	709.075	703.041	697.008	690.975	684.942	678.908	672.875
147.5	760.781	753.900	747.917	741.933	735.950	729.967	723.983	718.000	712.017	706.033
150.0	792.043	785.312	779.478	773.644	767.811	761.977	756.143	750.310	744.476	738.642
152.5	821.561	814.930	809.246	803.561	797.878	792.193	786.509	780.825	775.141	769.456
155.0	849.185	842.752	837.217	831.683	826.148	820.614	815.079	809.545	804.010	798.476
157.5	875.760	869.677	864.342	859.007	853.672	848.336	843.002	837.666	832.331	826.997
160.0	900.442	894.808	889.772	884.736	879.699	874.663	869.628	864.592	859.556	854.520
162.5	923.677	918.591	913.954	909.317	904.680	900.043	895.406	890.769	886.132	881.495
165.0	945.067	940.580	936.392	932.203	928.015	923.826	919.638	915.449	911.261	907.072
167.5	964.214	960.325	956.635	952.945	949.256	945.566	941.876	938.186	934.497	930.807
170.0	981.516	978.275	975.034	971.793	968.552	965.311	962.070	958.829	955.588	952.347
172.5	996.923	994.430	991.688	988.945	986.203	983.461	980.718	977.976	975.234	972.491
175.0	1010.435	1008.790	1006.596	1004.402	1002.208	1000.014	997.821	995.627	993.432	991.239
177.5	1022.053	1021.355	1019.809	1018.263	1016.718	1015.172	1013.627	1012.081	1010.535	1008.990
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

Vert. Angles	**Horizontal Angles**									
	225.0	**227.5**	**230.0**	**232.5**	**235.0**	**237.5**	**240.0**	**242.5**	**245.0**	**247.5**
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.269	0.269	0.269	0.269	0.269	0.269	0.269	0.269	0.269	0.269
92.5	8.437	8.227	8.018	7.808	7.599	7.389	7.180	6.970	6.761	6.551
95.0	29.707	29.413	29.119	28.824	28.530	28.236	27.942	27.647	27.353	27.059
97.5	53.895	53.501	53.107	52.714	52.320	51.925	51.531	51.138	50.744	50.350
100.0	80.147	79.644	79.139	78.636	78.133	77.629	77.125	76.622	76.118	75.614
102.5	108.462	107.804	107.146	106.488	105.830	105.172	104.513	103.856	103.197	102.539
105.0	138.260	137.412	136.565	135.717	134.870	134.021	133.174	132.326	131.479	130.631
107.5	169.762	168.670	167.578	166.487	165.394	164.302	163.210	162.119	161.026	159.934
110.0	201.982	200.631	199.279	197.929	196.577	195.226	193.875	192.524	191.173	189.821
112.5	234.830	233.210	231.589	229.969	228.348	226.728	225.108	223.487	221.867	220.246
115.0	267.410	265.606	263.801	261.996	260.191	258.386	256.580	254.775	252.970	251.165
117.5	300.887	298.832	296.778	294.724	292.670	290.616	288.561	286.507	284.453	282.398
120.0	334.408	332.070	329.731	327.393	325.055	322.716	320.378	318.039	315.701	313.362
122.5	366.135	363.637	361.139	358.641	356.143	353.645	351.147	348.649	346.151	343.653
125.0	399.522	396.889	394.257	391.624	388.992	386.359	383.726	381.093	378.461	375.828
127.5	432.640	429.898	427.155	424.413	421.671	418.928	416.186	413.443	410.701	407.958
130.0	465.354	462.516	459.680	456.842	454.005	451.168	448.331	445.493	442.657	439.819
132.5	498.113	495.171	492.229	489.287	486.345	483.403	480.462	477.519	474.578	471.636
135.0	530.871	527.730	524.588	521.447	518.306	515.165	512.024	508.882	505.741	502.600
137.5	564.528	561.187	557.846	554.505	551.165	547.824	544.483	541.142	537.802	534.461
140.0	598.632	595.291	591.951	588.610	585.269	581.929	578.588	575.248	571.907	568.566
142.5	633.186	629.895	626.604	623.314	620.023	616.732	613.441	610.150	606.859	603.568
145.0	666.842	663.651	660.460	657.269	654.078	650.887	647.696	644.505	641.314	638.122
147.5	700.049	696.958	693.867	690.776	687.684	684.593	681.502	678.410	675.319	672.228
150.0	732.809	729.667	726.526	723.385	720.244	717.102	713.961	710.820	707.679	704.538
152.5	763.772	760.581	757.390	754.199	751.008	747.817	744.626	741.435	738.244	735.053
155.0	792.941	789.900	786.858	783.817	780.776	777.733	774.692	771.650	768.609	765.568
157.5	821.661	818.769	815.878	812.985	810.093	807.201	804.310	801.417	798.525	795.634
160.0	849.484	846.941	844.398	841.855	839.312	836.769	834.226	831.683	829.140	826.597
162.5	876.858	874.564	872.271	869.977	867.683	865.389	863.095	860.801	858.508	856.214
165.0	902.884	900.740	898.597	896.452	894.308	892.165	890.020	887.876	885.732	883.588
167.5	927.117	925.322	923.527	921.732	919.936	918.142	916.347	914.552	912.757	910.962
170.0	949.106	947.710	946.314	944.918	943.522	942.125	940.729	939.333	937.937	936.541
172.5	969.749	968.752	967.754	966.757	965.760	964.762	963.765	962.769	961.771	960.774
175.0	989.045	988.496	987.948	987.399	986.851	986.303	985.754	985.205	984.657	984.108
177.5	1007.444	1007.194	1006.945	1006.696	1006.447	1006.198	1005.948	1005.699	1005.449	1005.200
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

Vert. Angles	**Horizontal Angles**									
	250.0	**252.5**	**255.0**	**257.5**	**260.0**	**262.5**	**265.0**	**267.5**	**270.0**	**272.5**
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.264	0.259	0.254	0.249	0.244	0.240	0.234	0.230	0.224	0.230
92.5	6.477	6.402	6.327	6.252	6.178	6.103	6.029	5.954	5.879	5.954
95.0	26.919	26.780	26.641	26.501	26.362	26.222	26.082	25.943	25.803	25.943
97.5	50.181	50.011	49.841	49.672	49.502	49.333	49.164	48.993	48.824	48.993
100.0	75.390	75.165	74.941	74.716	74.493	74.268	74.044	73.819	73.595	73.819
102.5	102.240	101.940	101.642	101.343	101.043	100.744	100.446	100.146	99.847	100.146
105.0	130.232	129.833	129.434	129.035	128.637	128.238	127.839	127.441	127.042	127.441
107.5	159.481	159.026	158.573	158.119	157.665	157.212	156.758	156.304	155.850	156.304
110.0	189.312	188.804	188.295	187.786	187.279	186.770	186.261	185.752	185.244	185.752
112.5	219.668	219.090	218.511	217.932	217.354	216.776	216.197	215.619	215.041	215.619
115.0	250.547	249.929	249.311	248.692	248.074	247.456	246.838	246.219	245.601	246.219
117.5	281.705	281.012	280.319	279.626	278.933	278.240	277.547	276.854	276.161	276.854
120.0	312.654	311.947	311.239	310.530	309.822	309.114	308.406	307.698	306.990	307.698
122.5	342.925	342.197	341.469	340.741	340.014	339.285	338.557	337.829	337.101	337.829
125.0	374.961	374.093	373.225	372.358	371.491	370.623	369.755	368.888	368.020	368.888
127.5	407.066	406.173	405.281	404.389	403.496	402.603	401.712	400.819	399.926	400.819
130.0	438.937	438.055	437.172	436.289	435.407	434.524	433.641	432.759	431.876	432.759
132.5	470.689	469.741	468.794	467.847	466.899	465.952	465.005	464.057	463.110	464.057
135.0	501.653	500.705	499.758	498.810	497.863	496.915	495.968	495.020	494.073	495.020
137.5	533.364	532.267	531.170	530.073	528.976	527.879	526.783	525.685	524.588	525.685
140.0	567.420	566.272	565.126	563.979	562.832	561.685	560.538	559.391	558.244	559.391
142.5	602.522	601.474	600.427	599.380	598.333	597.286	596.239	595.191	594.145	595.191
145.0	637.225	636.327	635.430	634.532	633.635	632.737	631.840	630.942	630.045	630.942
147.5	671.281	670.333	669.386	668.438	667.491	666.543	665.596	664.648	663.701	664.648
150.0	703.441	702.343	701.247	700.150	699.053	697.956	696.859	695.762	694.665	695.762
152.5	733.956	732.858	731.762	730.665	729.568	728.471	727.374	726.277	725.180	726.277
155.0	764.571	763.573	762.576	761.578	760.581	759.584	758.587	757.589	756.592	757.589
157.5	794.786	793.938	793.091	792.243	791.396	790.548	789.700	788.852	788.005	788.852
160.0	825.750	824.902	824.055	823.207	822.360	821.511	820.664	819.816	818.969	819.816
162.5	855.417	854.619	853.822	853.023	852.226	851.428	850.630	849.832	849.035	849.832
165.0	882.989	882.392	881.793	881.195	880.597	879.999	879.400	878.802	878.204	878.802

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CANDELA TABULATION - (Cont.)

167.5	910.413	909.865	909.316	908.769	908.220	907.672	907.123	906.575	906.026	906.575
170.0	936.142	935.743	935.345	934.946	934.547	934.148	933.749	933.350	932.951	933.350
172.5	960.574	960.375	960.175	959.977	959.777	959.577	959.378	959.178	958.979	959.178
175.0	984.009	983.909	983.809	983.710	983.610	983.511	983.411	983.311	983.211	983.311
177.5	1005.300	1005.399	1005.499	1005.599	1005.699	1005.798	1005.897	1005.997	1006.097	1005.997
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

Vert. Angles	**Horizontal Angles**									
	275.0	**277.5**	**280.0**	**282.5**	**285.0**	**287.5**	**290.0**	**292.5**	**295.0**	**297.5**
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.234	0.240	0.244	0.249	0.254	0.259	0.264	0.269	0.269	0.269
92.5	6.029	6.103	6.178	6.252	6.327	6.402	6.477	6.551	6.761	6.970
95.0	26.082	26.222	26.362	26.501	26.641	26.780	26.919	27.059	27.353	27.647
97.5	49.164	49.333	49.502	49.672	49.841	50.011	50.181	50.350	50.744	51.138
100.0	74.044	74.268	74.493	74.716	74.941	75.165	75.390	75.614	76.118	76.622
102.5	100.446	100.744	101.043	101.343	101.642	101.940	102.240	102.539	103.197	103.856
105.0	127.839	128.238	128.637	129.035	129.434	129.833	130.232	130.631	131.479	132.326
107.5	156.758	157.212	157.665	158.119	158.573	159.026	159.481	159.934	161.026	162.119
110.0	186.261	186.770	187.279	187.786	188.295	188.804	189.312	189.821	191.173	192.524
112.5	216.197	216.776	217.354	217.932	218.511	219.090	219.668	220.246	221.867	223.487

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CANDELA TABULATION - (Cont.)

115.0	246.838	247.456	248.074	248.692	249.311	249.929	250.547	251.165	252.970	254.775
117.5	277.547	278.240	278.933	279.626	280.319	281.012	281.705	282.398	284.453	286.507
120.0	308.406	309.114	309.822	310.530	311.239	311.947	312.654	313.362	315.701	318.039
122.5	338.557	339.285	340.014	340.741	341.469	342.197	342.925	343.653	346.151	348.649
125.0	369.755	370.623	371.491	372.358	373.225	374.093	374.961	375.828	378.461	381.093
127.5	401.712	402.603	403.496	404.389	405.281	406.173	407.066	407.958	410.701	413.443
130.0	433.641	434.524	435.407	436.289	437.172	438.055	438.937	439.819	442.657	445.493
132.5	465.005	465.952	466.899	467.847	468.794	469.741	470.689	471.636	474.578	477.519
135.0	495.968	496.915	497.863	498.810	499.758	500.705	501.653	502.600	505.741	508.882
137.5	526.783	527.879	528.976	530.073	531.170	532.267	533.364	534.461	537.802	541.142
140.0	560.538	561.685	562.832	563.979	565.126	566.272	567.420	568.566	571.907	575.248
142.5	596.239	597.286	598.333	599.380	600.427	601.474	602.522	603.568	606.859	610.150
145.0	631.840	632.737	633.635	634.532	635.430	636.327	637.225	638.122	641.314	644.505
147.5	665.596	666.543	667.491	668.438	669.386	670.333	671.281	672.228	675.319	678.410
150.0	696.859	697.956	699.053	700.150	701.247	702.343	703.441	704.538	707.679	710.820
152.5	727.374	728.471	729.568	730.665	731.762	732.858	733.956	735.053	738.244	741.435
155.0	758.587	759.584	760.581	761.578	762.576	763.573	764.571	765.568	768.609	771.650
157.5	789.700	790.548	791.396	792.243	793.091	793.938	794.786	795.634	798.525	801.417
160.0	820.664	821.511	822.360	823.207	824.055	824.902	825.750	826.597	829.140	831.683
162.5	850.630	851.428	852.226	853.023	853.822	854.619	855.417	856.214	858.508	860.801
165.0	879.400	879.999	880.597	881.195	881.793	882.392	882.989	883.588	885.732	887.876
167.5	907.123	907.672	908.220	908.769	909.316	909.865	910.413	910.962	912.757	914.552
170.0	933.749	934.148	934.547	934.946	935.345	935.743	936.142	936.541	937.937	939.333
172.5	959.378	959.577	959.777	959.977	960.175	960.375	960.574	960.774	961.771	962.769
175.0	983.411	983.511	983.610	983.710	983.809	983.909	984.009	984.108	984.657	985.205
177.5	1005.897	1005.798	1005.699	1005.599	1005.499	1005.399	1005.300	1005.200	1005.449	1005.699
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

Vert. Angles	**Horizontal Angles**									
	300.0	**302.5**	**305.0**	**307.5**	**310.0**	**312.5**	**315.0**	**317.5**	**320.0**	**322.5**
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.269	0.269	0.269	0.269	0.269	0.269	0.269	0.274	0.279	0.284
92.5	7.180	7.389	7.599	7.808	8.018	8.227	8.437	8.765	9.095	9.424
95.0	27.942	28.236	28.530	28.824	29.119	29.413	29.707	30.071	30.435	30.799
97.5	51.531	51.925	52.320	52.714	53.107	53.501	53.895	54.398	54.902	55.406
100.0	77.125	77.629	78.133	78.636	79.139	79.644	80.147	80.935	81.722	82.511
102.5	104.513	105.172	105.830	106.488	107.146	107.804	108.462	109.605	110.747	111.888
105.0	133.174	134.021	134.870	135.717	136.565	137.412	138.260	139.806	141.352	142.897
107.5	163.210	164.302	165.394	166.487	167.578	168.670	169.762	171.747	173.731	175.716
110.0	193.875	195.226	196.577	197.929	199.279	200.631	201.982	204.461	206.938	209.417
112.5	225.108	226.728	228.348	229.969	231.589	233.210	234.830	237.768	240.704	243.641
115.0	256.580	258.386	260.191	261.996	263.801	265.606	267.410	270.801	274.192	277.582
117.5	288.561	290.616	292.670	294.724	296.778	298.832	300.887	304.592	308.296	312.001
120.0	320.378	322.716	325.055	327.393	329.731	332.070	334.408	338.387	342.366	346.345
122.5	351.147	353.645	356.143	358.641	361.139	363.637	366.135	370.643	375.149	379.657
125.0	383.726	386.359	388.992	391.624	394.257	396.889	399.522	404.279	409.035	413.792
127.5	416.186	418.928	421.671	424.413	427.155	429.898	432.640	437.671	442.702	447.733
130.0	448.331	451.168	454.005	456.842	459.680	462.516	465.354	470.639	475.925	481.209
132.5	480.462	483.403	486.345	489.287	492.229	495.171	498.113	503.548	508.982	514.417
135.0	512.024	515.165	518.306	521.447	524.588	527.730	530.871	536.555	542.239	547.924
137.5	544.483	547.824	551.165	554.505	557.846	561.187	564.528	570.411	576.295	582.179
140.0	578.588	581.929	585.269	588.610	591.951	595.291	598.632	604.615	610.599	616.582
142.5	613.441	616.732	620.023	623.314	626.604	629.895	633.186	639.169	645.152	651.136
145.0	647.696	650.887	654.078	657.269	660.460	663.651	666.842	672.875	678.908	684.942
147.5	681.502	684.593	687.684	690.776	693.867	696.958	700.049	706.033	712.017	718.000
150.0	713.961	717.102	720.244	723.385	726.526	729.667	732.809	738.642	744.476	750.310
152.5	744.626	747.817	751.008	754.199	757.390	760.581	763.772	769.456	775.141	780.825
155.0	774.692	777.733	780.776	783.817	786.858	789.900	792.941	798.476	804.010	809.545
157.5	804.310	807.201	810.093	812.985	815.878	818.769	821.661	826.997	832.331	837.666
160.0	834.226	836.769	839.312	841.855	844.398	846.941	849.484	854.520	859.556	864.592
162.5	863.095	865.389	867.683	869.977	872.271	874.564	876.858	881.495	886.132	890.769
165.0	890.020	892.165	894.308	896.452	898.597	900.740	902.884	907.072	911.261	915.449
167.5	916.347	918.142	919.936	921.732	923.527	925.322	927.117	930.807	934.497	938.186
170.0	940.729	942.125	943.522	944.918	946.314	947.710	949.106	952.347	955.588	958.829
172.5	963.765	964.762	965.760	966.757	967.754	968.752	969.749	972.491	975.234	977.976
175.0	985.754	986.303	986.851	987.399	987.948	988.496	989.045	991.239	993.432	995.627
177.5	1005.948	1006.198	1006.447	1006.696	1006.945	1007.194	1007.444	1008.990	1010.535	1012.081
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

Vert. Angles	**Horizontal Angles**									
	325.0	**327.5**	**330.0**	**332.5**	**335.0**	**337.5**	**340.0**	**342.5**	**345.0**	**347.5**
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.290	0.294	0.299	0.305	0.309	0.314	0.509	0.703	0.898	1.092
92.5	9.753	10.082	10.412	10.740	11.070	11.399	12.381	13.363	14.346	15.327
95.0	31.163	31.527	31.891	32.256	32.619	32.984	34.255	35.526	36.797	38.069
97.5	55.909	56.413	56.917	57.420	57.924	58.428	60.058	61.688	63.319	64.949
100.0	83.298	84.086	84.873	85.662	86.449	87.237	89.326	91.415	93.504	95.593
102.5	113.030	114.172	115.314	116.455	117.597	118.740	121.397	124.054	126.712	129.369
105.0	144.443	145.989	147.534	149.080	150.625	152.171	155.393	158.613	161.834	165.055
107.5	177.700	179.685	181.669	183.654	185.638	187.622	191.307	194.992	198.676	202.361
110.0	211.895	214.373	216.851	219.329	221.807	224.285	228.379	232.472	236.566	240.659
112.5	246.578	249.515	252.452	255.389	258.325	261.263	265.810	270.357	274.904	279.451
115.0	280.973	284.364	287.753	291.144	294.535	297.925	302.842	307.758	312.675	317.590
117.5	315.705	319.410	323.115	326.820	330.524	334.229	339.475	344.720	349.965	355.211
120.0	350.324	354.303	358.282	362.260	366.240	370.219	375.853	381.487	387.122	392.756
122.5	384.165	388.672	393.180	397.688	402.194	406.702	412.620	418.539	424.457	430.376
125.0	418.549	423.305	428.063	432.819	437.576	442.333	448.630	454.928	461.225	467.523
127.5	452.764	457.795	462.825	467.857	472.888	477.918	484.600	491.281	497.963	504.644
130.0	486.495	491.780	497.066	502.350	507.636	512.922	519.852	526.783	533.714	540.644
132.5	519.852	525.287	530.721	536.156	541.591	547.026	554.156	561.286	568.416	575.547
135.0	553.608	559.292	564.976	570.661	576.344	582.029	589.258	596.489	603.718	610.948
137.5	588.062	593.946	599.829	605.713	611.597	617.480	624.759	632.040	639.319	646.599
140.0	622.565	628.549	634.532	640.515	646.499	652.482	659.812	667.142	674.471	681.801
142.5	657.119	663.102	669.086	675.069	681.053	687.036	694.316	701.595	708.875	716.155
145.0	690.975	697.008	703.041	709.075	715.108	721.141	728.221	735.301	742.382	749.462
147.5	723.983	729.967	735.950	741.933	747.917	753.900	760.781	767.662	774.542	781.423

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CANDELA TABULATION - (Cont.)

150.0	756.143	761.977	767.811	773.644	779.478	785.312	792.043	798.775	805.506	812.238
152.5	786.509	792.193	797.878	803.561	809.246	814.930	821.561	828.193	834.825	841.456
155.0	815.079	820.614	826.148	831.683	837.217	842.752	849.185	855.617	862.049	868.481
157.5	843.002	848.336	853.672	859.007	864.342	869.677	875.760	881.843	887.927	894.010
160.0	869.628	874.663	879.699	884.736	889.772	894.808	900.442	906.076	911.710	917.345
162.5	895.406	900.043	904.680	909.317	913.954	918.591	923.677	928.763	933.848	938.934
165.0	919.638	923.826	928.015	932.203	936.392	940.580	945.067	949.554	954.043	958.530
167.5	941.876	945.566	949.256	952.945	956.635	960.325	964.214	968.103	971.993	975.881
170.0	962.070	965.311	968.552	971.793	975.034	978.275	981.516	984.757	987.998	991.239
172.5	980.718	983.461	986.203	988.945	991.688	994.430	996.923	999.416	1001.909	1004.402
175.0	997.821	1000.014	1002.208	1004.402	1006.596	1008.790	1010.435	1012.081	1013.726	1015.372
177.5	1013.627	1015.172	1016.718	1018.263	1019.809	1021.355	1022.053	1022.751	1023.449	1024.147
180.0	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281	1026.281

Vert. Angles	**Horizontal Angles**				
	350.0	**352.5**	**355.0**	**357.5**	**360.0**
0.0	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000
90.0	1.286	1.481	1.676	1.870	2.064
92.5	16.310	17.292	18.274	19.256	20.239
95.0	39.341	40.612	41.883	43.155	44.426

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CANDELA TABULATION - (Cont.)

97.5	66.580	68.210	69.841	71.471	73.101
100.0	97.683	99.772	101.861	103.950	106.039
102.5	132.028	134.685	137.343	140.000	142.658
105.0	168.276	171.497	174.718	177.939	181.160
107.5	206.046	209.731	213.416	217.100	220.785
110.0	244.753	248.846	252.940	257.034	261.127
112.5	283.999	288.546	293.093	297.641	302.188
115.0	322.507	327.423	332.340	337.256	342.172
117.5	360.456	365.701	370.946	376.192	381.437
120.0	398.390	404.024	409.659	415.294	420.928
122.5	436.294	442.213	448.131	454.050	459.968
125.0	473.820	480.117	486.415	492.712	499.010
127.5	511.326	518.007	524.688	531.370	538.051
130.0	547.575	554.505	561.436	568.367	575.297
132.5	582.677	589.807	596.938	604.067	611.198
135.0	618.178	625.408	632.637	639.868	647.097
137.5	653.878	661.159	668.438	675.718	682.997
140.0	689.130	696.460	703.789	711.119	718.449
142.5	723.435	730.714	737.994	745.274	752.554
145.0	756.542	763.623	770.703	777.783	784.864
147.5	788.304	795.185	802.066	808.947	815.828
150.0	818.969	825.699	832.431	839.162	845.894
152.5	848.087	854.719	861.350	867.982	874.614
155.0	874.913	881.345	887.777	894.209	900.641
157.5	900.092	906.175	912.259	918.342	924.425
160.0	922.979	928.614	934.247	939.882	945.516
162.5	944.020	949.106	954.191	959.277	964.363
165.0	963.017	967.504	971.993	976.480	980.967
167.5	979.771	983.659	987.549	991.438	995.327
170.0	994.480	997.721	1000.962	1004.203	1007.444
172.5	1006.895	1009.389	1011.881	1014.375	1016.868
175.0	1017.017	1018.663	1020.308	1021.953	1023.599
177.5	1024.845	1025.543	1026.241	1026.939	1027.637
180.0	1026.281	1026.281	1026.281	1026.281	1026.281

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IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4WU-4-00-P7-8TW-FASY-POE 4000K_.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	0.75	N.A.	0.00
10-90	0.75	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	0.75	N.A.	0.00
90-110	262.26	N.A.	9.20
90-120	607.06	N.A.	21.30
90-130	1058.82	N.A.	37.20
90-150	2058.07	N.A.	72.20
90-180	2848.64	N.A.	100.00
110-180	2586.38	N.A.	90.80
0-180	2849.39	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	0.75
90-100	60.10
100-110	202.16
110-120	344.80
120-130	451.76
130-140	504.29
140-150	494.97
150-160	416.61
160-170	276.94
170-180	97.01

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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	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

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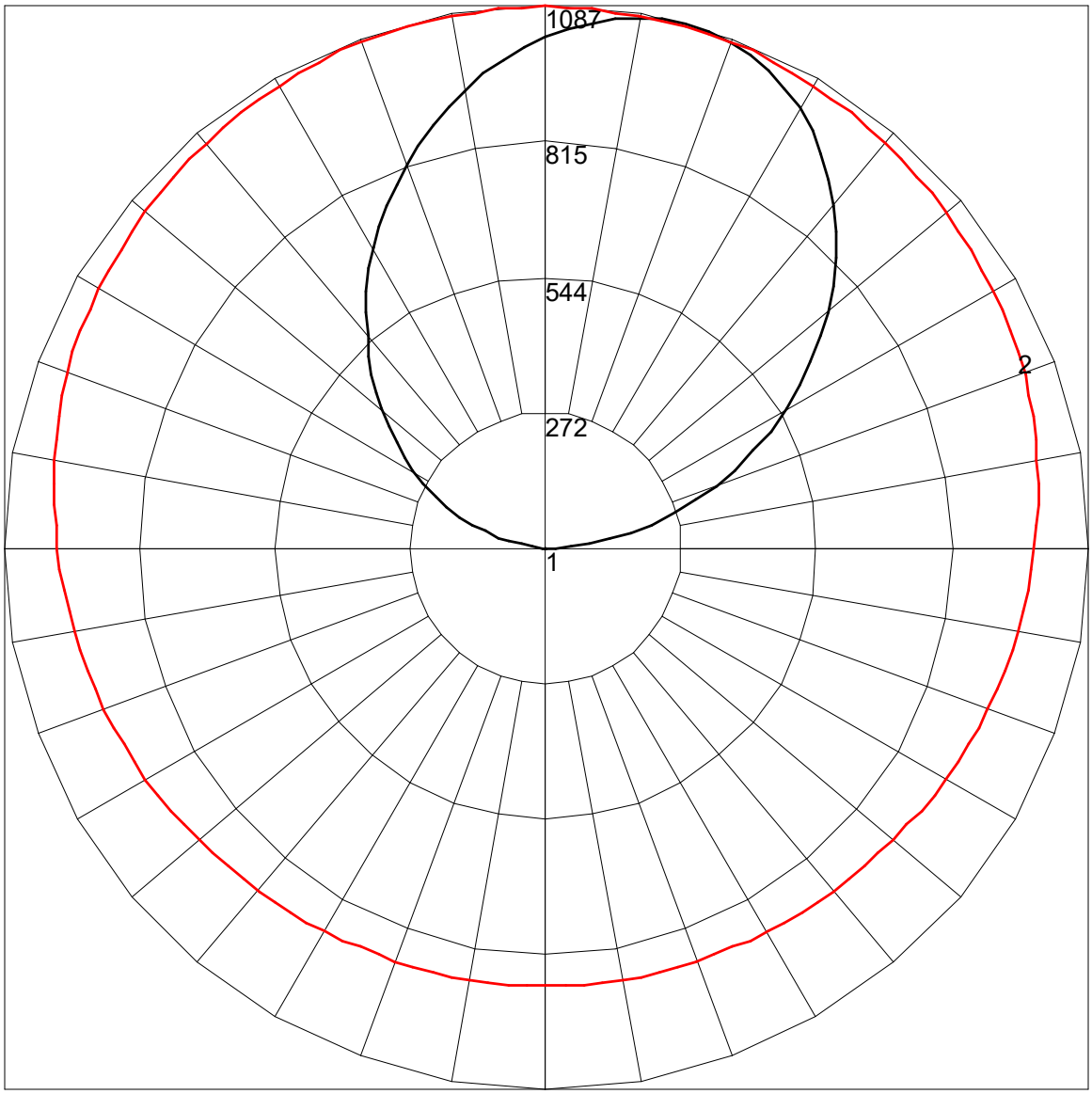
POLAR GRAPH



Maximum Candela = 1087.321 Located At Horizontal Angle = 90, Vertical Angle = 165
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (165) (Through Max. Cd.)

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