H.E. WILLIAMS, INC.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4WD-4-00-L8-835-FASY-DIM-UNV_.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] MX4WD-4'00-L8/835-FASY-DIM-UNV
[LUMINAIRE] White aluminum housing, frosted lens enclosure
[LAMP] 144 white LEDs
[OTHER] This test was performed using the calibrated photodetector met
[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3197
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	29.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.36
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	8293	9915	10525
55	7884	9628	10274
65	7337	9197	9863
75	6343	8584	9363
85	4619	7942	9230

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	1152.515	1152.515	1152.515	1152.515	1152.515	1152.515	1152.515	1152.515	1152.515	1152.515
0.5	1154.529	1159.567	1152.011	1154.529	1155.033	1154.529	1152.011	1159.567	1154.529	1155.537
1.0	1154.529	1161.078	1155.033	1158.056	1159.063	1158.056	1155.033	1161.078	1154.529	1153.522
1.5	1154.529	1162.589	1158.559	1162.085	1163.596	1162.085	1158.559	1162.589	1154.529	1151.003
2.0	1153.522	1164.100	1161.078	1165.611	1167.626	1165.611	1161.078	1164.100	1153.522	1148.989
2.5	1153.522	1165.108	1163.596	1169.137	1171.152	1169.137	1163.596	1165.108	1153.522	1146.470
3.0	1152.515	1166.619	1166.115	1172.663	1174.678	1172.663	1166.115	1166.619	1152.515	1143.448
3.5	1152.011	1167.626	1168.634	1175.686	1178.204	1175.686	1168.634	1167.626	1152.011	1140.929
4.0	1151.507	1168.130	1170.649	1179.212	1181.227	1179.212	1170.649	1168.130	1151.507	1137.907
4.5	1149.996	1169.137	1172.663	1182.234	1184.753	1182.234	1172.663	1169.137	1149.996	1135.388
5.0	1148.989	1169.641	1174.678	1185.256	1187.775	1185.256	1174.678	1169.641	1148.989	1132.366
5.5	1147.981	1170.649	1176.693	1187.775	1190.797	1187.775	1176.693	1170.649	1147.981	1129.343
6.0	1146.470	1170.649	1178.204	1190.294	1193.820	1190.294	1178.204	1170.649	1146.470	1126.321
6.5	1144.959	1171.152	1179.716	1192.812	1196.338	1192.812	1179.716	1171.152	1144.959	1122.795
7.0	1143.448	1171.152	1180.723	1195.331	1199.864	1195.331	1180.723	1171.152	1143.448	1119.773
7.5	1141.433	1170.649	1182.234	1197.346	1202.383	1197.346	1182.234	1170.649	1141.433	1116.247
8.0	1139.418	1170.649	1183.745	1199.361	1204.902	1199.361	1183.745	1170.649	1139.418	1112.721
8.5	1137.403	1170.145	1184.753	1201.376	1207.420	1201.376	1184.753	1170.145	1137.403	1109.195
9.0	1135.892	1169.641	1185.256	1202.887	1209.435	1202.887	1185.256	1169.641	1135.892	1105.165
9.5	1133.373	1169.137	1186.264	1204.398	1211.954	1204.398	1186.264	1169.137	1133.373	1101.639
10.0	1130.855	1168.130	1186.768	1205.909	1213.465	1205.909	1186.768	1168.130	1130.855	1098.113
10.5	1128.336	1167.626	1187.775	1207.924	1215.480	1207.924	1187.775	1167.626	1128.336	1094.083
11.0	1125.817	1166.619	1187.775	1208.931	1216.991	1208.931	1187.775	1166.619	1125.817	1090.557
11.5	1122.795	1165.611	1187.775	1209.939	1217.495	1209.939	1187.775	1165.611	1122.795	1086.527
12.0	1120.276	1164.100	1187.775	1210.946	1219.006	1210.946	1187.775	1164.100	1120.276	1081.994
12.5	1117.254	1163.093	1187.271	1211.450	1219.510	1211.450	1187.271	1163.093	1117.254	1077.964
13.0	1114.232	1161.582	1187.271	1212.457	1220.517	1212.457	1187.271	1161.582	1114.232	1073.934
13.5	1111.209	1160.070	1186.768	1212.457	1220.517	1212.457	1186.768	1160.070	1111.209	1069.401
14.0	1108.187	1158.559	1186.264	1212.457	1220.517	1212.457	1186.264	1158.559	1108.187	1065.371
14.5	1104.661	1156.544	1185.256	1212.457	1220.517	1212.457	1185.256	1156.544	1104.661	1060.837
15.0	1101.135	1154.529	1184.753	1212.457	1220.517	1212.457	1184.753	1154.529	1101.135	1055.800
15.5	1097.609	1152.515	1183.242	1211.450	1220.013	1211.450	1183.242	1152.515	1097.609	1051.267
16.0	1094.083	1149.996	1182.234	1210.946	1220.013	1210.946	1182.234	1149.996	1094.083	1046.229
16.5	1090.557	1147.981	1180.723	1209.939	1219.510	1209.939	1180.723	1147.981	1090.557	1041.696
17.0	1086.527	1145.462	1179.212	1208.931	1219.006	1208.931	1179.212	1145.462	1086.527	1036.155
17.5	1082.497	1142.944	1177.701	1207.924	1217.998	1207.924	1177.701	1142.944	1082.497	1031.118
18.0	1078.971	1139.922	1176.190	1206.917	1216.991	1206.917	1176.190	1139.922	1078.971	1026.081
18.5	1074.438	1137.403	1173.671	1205.405	1216.487	1205.405	1173.671	1137.403	1074.438	1021.043
19.0	1070.408	1133.877	1171.656	1204.398	1215.480	1204.398	1171.656	1133.877	1070.408	1015.502
19.5	1065.875	1130.855	1169.137	1202.383	1213.969	1202.383	1169.137	1130.855	1065.875	1009.961
20.0	1061.341	1127.329	1167.123	1200.872	1212.457	1200.872	1167.123	1127.329	1061.341	1004.421
20.5	1056.808	1123.802	1164.604	1198.857	1210.946	1198.857	1164.604	1123.802	1056.808	998.880
21.0	1052.274	1120.276	1162.085	1197.346	1208.931	1197.346	1162.085	1120.276	1052.274	993.339
21.5	1047.237	1116.247	1159.063	1195.331	1206.413	1195.331	1159.063	1116.247	1047.237	987.798
22.0	1042.703	1112.721	1156.041	1192.812	1204.398	1192.812	1156.041	1112.721	1042.703	981.753
22.5	1037.666	1108.691	1153.018	1190.294	1201.879	1190.294	1153.018	1108.691	1037.666	976.212
23.0	1032.629	1104.157	1149.492	1187.775	1198.857	1187.775	1149.492	1104.157	1032.629	970.671
23.5	1027.088	1100.128	1146.470	1184.753	1196.338	1184.753	1146.470	1100.128	1027.088	964.123
24.0	1022.051	1095.594	1142.944	1181.730	1193.820	1181.730	1142.944	1095.594	1022.051	958.078
24.5	1016.510	1091.061	1138.914	1178.708	1190.797	1178.708	1138.914	1091.061	1016.510	952.033
25.0	1010.969	1086.527	1135.388	1175.182	1187.271	1175.182	1135.388	1086.527	1010.969	945.989
25.5	1005.428	1081.490	1131.358	1171.656	1184.249	1171.656	1131.358	1081.490	1005.428	940.448
26.0	999.383	1076.453	1127.329	1168.130	1180.723	1168.130	1127.329	1076.453	999.383	933.396
26.5	993.842	1071.415	1122.795	1164.100	1176.693	1164.100	1122.795	1071.415	993.842	927.351

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CANDELA TABULATION - (Cont.)

27.0	987.798	1065.875	1118.262	1160.070	1172.663	1160.070	1118.262	1065.875	987.798	920.803
27.5	981.753	1060.837	1113.728	1155.537	1168.634	1155.537	1113.728	1060.837	981.753	914.758
28.0	975.708	1055.296	1109.195	1151.507	1164.100	1151.507	1109.195	1055.296	975.708	908.210
28.5	969.160	1049.755	1104.157	1146.974	1159.567	1146.974	1104.157	1049.755	969.160	901.661
29.0	963.115	1043.711	1099.120	1141.936	1155.033	1141.936	1099.120	1043.711	963.115	894.609
29.5	956.063	1037.666	1094.083	1136.899	1149.996	1136.899	1094.083	1037.666	956.063	888.061
30.0	949.515	1031.621	1088.542	1131.358	1144.455	1131.358	1088.542	1031.621	949.515	881.512
30.5	942.966	1025.577	1083.001	1125.817	1138.914	1125.817	1083.001	1025.577	942.966	874.460
31.0	936.418	1019.028	1076.956	1120.276	1133.373	1120.276	1076.956	1019.028	936.418	867.408
31.5	929.870	1012.984	1070.912	1114.735	1127.832	1114.735	1070.912	1012.984	929.870	860.860
32.0	922.818	1006.435	1064.363	1108.691	1121.788	1108.691	1064.363	1006.435	922.818	853.304
32.5	915.766	999.887	1057.815	1102.142	1115.743	1102.142	1057.815	999.887	915.766	846.252
33.0	909.217	993.339	1051.267	1095.594	1109.698	1095.594	1051.267	993.339	909.217	838.696
33.5	902.669	986.287	1044.718	1089.549	1103.150	1089.549	1044.718	986.287	902.669	831.140
34.0	895.113	979.234	1037.666	1083.001	1096.602	1083.001	1037.666	979.234	895.113	824.088
34.5	888.565	972.182	1030.614	1075.949	1090.053	1075.949	1030.614	972.182	888.565	816.532
35.0	881.009	965.130	1023.562	1069.401	1083.001	1069.401	1023.562	965.130	881.009	809.480
35.5	873.957	957.574	1017.014	1062.348	1075.949	1062.348	1017.014	957.574	873.957	801.924
36.0	866.905	950.522	1009.458	1055.296	1068.897	1055.296	1009.458	950.522	866.905	793.865
36.5	859.349	942.966	1002.909	1048.244	1061.341	1048.244	1002.909	942.966	859.349	786.813
37.0	852.297	935.914	995.354	1041.192	1053.785	1041.192	995.354	935.914	852.297	778.753
37.5	844.741	927.855	988.301	1033.636	1046.229	1033.636	988.301	927.855	844.741	771.197
38.0	837.185	920.803	981.249	1026.081	1038.674	1026.081	981.249	920.803	837.185	763.138
38.5	829.629	913.247	973.693	1018.525	1031.118	1018.525	973.693	913.247	829.629	755.582
39.0	821.570	905.691	966.138	1010.969	1023.058	1010.969	966.138	905.691	821.570	748.026
39.5	814.014	898.135	958.582	1002.909	1014.999	1002.909	958.582	898.135	814.014	739.967
40.0	806.458	890.579	951.026	995.354	1006.939	995.354	951.026	890.579	806.458	732.411
40.5	798.398	883.024	943.470	986.790	999.383	986.790	943.470	883.024	798.398	724.855
41.0	790.339	875.468	935.411	979.234	990.820	979.234	935.411	875.468	790.339	716.796
41.5	782.279	867.408	926.847	970.671	982.760	970.671	926.847	867.408	782.279	708.736
42.0	774.220	859.852	918.788	962.108	974.197	962.108	918.788	859.852	774.220	700.676
42.5	766.664	851.793	910.225	953.545	966.138	953.545	910.225	851.793	766.664	693.121
43.0	758.604	844.237	902.165	944.981	957.071	944.981	902.165	844.237	758.604	685.061
43.5	750.545	835.674	893.602	936.418	948.507	936.418	893.602	835.674	750.545	677.002
44.0	742.485	828.118	885.542	927.351	939.440	927.351	885.542	828.118	742.485	669.446
44.5	734.426	819.555	876.979	918.788	930.877	918.788	876.979	819.555	734.426	661.386
45.0	726.366	811.495	868.416	909.721	921.810	909.721	868.416	811.495	726.366	653.327
45.5	718.307	802.932	859.852	900.654	912.743	900.654	859.852	802.932	718.307	645.267
46.0	710.247	794.872	851.289	892.091	903.676	892.091	851.289	794.872	710.247	637.711
46.5	702.188	786.309	842.222	882.520	894.106	882.520	842.222	786.309	702.188	630.155
47.0	694.128	777.746	833.659	873.957	885.039	873.957	833.659	777.746	694.128	622.096
47.5	686.069	768.679	825.096	864.890	875.972	864.890	825.096	768.679	686.069	614.036
48.0	678.513	760.116	816.029	855.823	866.905	855.823	816.029	760.116	678.513	606.481
48.5	670.453	751.049	807.465	846.756	857.838	846.756	807.465	751.049	670.453	598.925
49.0	662.394	742.485	797.895	837.689	848.267	837.689	797.895	742.485	662.394	590.865
49.5	653.830	733.418	788.828	828.118	839.200	828.118	788.828	733.418	653.830	583.309
50.0	645.771	724.351	779.761	819.051	829.629	819.051	779.761	724.351	645.771	575.754
50.5	637.208	715.284	770.694	809.480	820.058	809.480	770.694	715.284	637.208	567.694
51.0	629.148	706.721	761.123	799.910	809.984	799.910	761.123	706.721	629.148	560.138
51.5	620.585	697.654	751.552	790.339	800.917	790.339	751.552	697.654	620.585	552.582
52.0	612.022	688.587	741.982	780.768	790.843	780.768	741.982	688.587	612.022	544.523
52.5	603.962	679.520	732.915	771.197	781.272	771.197	732.915	679.520	603.962	536.463
53.0	595.399	670.453	722.840	761.627	771.197	761.627	722.840	670.453	595.399	528.404
53.5	586.332	661.386	713.773	751.552	761.123	751.552	713.773	661.386	586.332	520.344
54.0	577.768	652.319	704.203	741.478	751.049	741.478	704.203	652.319	577.768	512.285
54.5	569.205	643.252	694.128	731.403	740.974	731.403	694.128	643.252	569.205	504.729

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CANDELA TABULATION - (Cont.)

55.0	560.138	634.185	684.054	721.833	729.892	721.833	684.054	634.185	560.138	496.518
55.5	551.071	624.615	674.483	711.758	719.818	711.758	674.483	624.615	551.071	488.559
56.0	542.004	615.548	664.912	701.684	709.240	701.684	664.912	615.548	542.004	480.601
56.5	533.441	606.481	654.838	691.106	699.165	691.106	654.838	606.481	533.441	472.743
57.0	524.878	596.910	644.763	680.528	688.587	680.528	644.763	596.910	524.878	464.431
57.5	516.314	587.339	634.689	669.949	678.009	669.949	634.689	587.339	516.314	456.523
58.0	507.751	577.768	624.615	659.371	667.431	659.371	624.615	577.768	507.751	448.211
58.5	498.785	568.198	614.540	648.793	656.853	648.793	614.540	568.198	498.785	440.202
59.0	489.919	558.627	604.466	638.215	645.771	638.215	604.466	558.627	489.919	431.790
59.5	481.205	549.056	594.391	627.637	635.193	627.637	594.391	549.056	481.205	423.630
60.0	472.491	539.486	583.813	617.059	624.615	617.059	583.813	539.486	472.491	415.570
60.5	463.524	529.915	573.739	605.977	614.036	605.977	573.739	529.915	463.524	407.410
61.0	454.760	519.841	563.664	595.399	602.955	595.399	563.664	519.841	454.760	399.098
61.5	445.642	510.270	553.590	584.317	591.873	584.317	553.590	510.270	445.642	391.039
62.0	436.878	500.498	543.012	573.739	580.791	573.739	543.012	500.498	436.878	383.483
62.5	428.163	490.725	532.937	563.161	570.213	563.161	532.937	490.725	428.163	375.172
63.0	419.398	481.054	522.359	552.079	559.634	552.079	522.359	481.054	419.398	367.666
63.5	410.684	470.980	512.285	541.501	549.056	541.501	512.285	470.980	410.684	359.405
64.0	401.466	461.107	502.311	531.426	537.974	531.426	502.311	461.107	401.466	351.043
64.5	393.104	451.385	491.884	520.344	527.396	520.344	491.884	451.385	393.104	342.732
65.0	384.088	441.512	481.407	509.262	516.314	509.262	481.407	441.512	384.088	334.421
65.5	374.920	431.840	470.879	498.735	505.233	498.735	470.879	431.840	374.920	326.260
66.0	366.054	421.867	460.502	488.005	494.503	488.005	460.502	421.867	366.054	318.150
66.5	357.693	411.943	450.075	477.276	483.673	477.276	450.075	411.943	357.693	309.889
67.0	348.424	401.919	439.598	466.446	472.843	466.446	439.598	401.919	348.424	301.578
67.5	339.206	392.197	429.120	455.616	461.812	455.616	429.120	392.197	339.206	293.267
68.0	329.887	383.332	418.844	444.534	450.730	444.534	418.844	383.332	329.887	284.905
68.5	320.669	374.265	408.165	433.755	439.850	433.755	408.165	374.265	320.669	276.694
69.0	311.451	364.342	397.537	422.673	428.868	422.673	397.537	364.342	311.451	268.383
69.5	302.283	354.418	387.563	411.742	417.988	411.742	387.563	354.418	302.283	260.021
70.0	293.115	344.545	378.093	400.811	407.007	400.811	378.093	344.545	293.115	251.760
70.5	283.998	334.622	368.623	389.931	396.076	389.931	368.623	334.622	283.998	243.499
71.0	274.881	324.548	357.995	379.655	385.095	379.655	357.995	324.548	274.881	235.238
71.5	265.814	314.776	347.618	370.134	375.927	370.134	347.618	314.776	265.814	226.977
72.0	256.797	304.852	337.241	359.204	365.248	359.204	337.241	304.852	256.797	218.817
72.5	247.831	294.979	326.966	348.374	354.167	348.374	326.966	294.979	247.831	210.606
73.0	238.965	285.056	316.589	337.594	343.236	337.594	316.589	285.056	238.965	202.496
73.5	230.050	275.133	306.162	326.865	332.355	326.865	306.162	275.133	230.050	194.386
74.0	221.134	265.310	295.836	316.236	321.475	316.236	295.836	265.310	221.134	186.478
74.5	212.218	255.488	285.459	305.557	310.846	305.557	285.459	255.488	212.218	178.670
75.0	203.352	245.715	275.183	294.879	300.168	294.879	275.183	245.715	203.352	170.812
75.5	194.588	236.044	265.058	284.250	289.338	284.250	265.058	236.044	194.588	163.256
76.0	185.823	226.372	254.833	273.823	278.659	273.823	254.833	226.372	185.823	155.650
76.5	177.159	216.751	244.657	263.245	267.980	263.245	244.657	216.751	177.159	148.195
77.0	168.596	207.231	234.633	252.818	257.351	252.818	234.633	207.231	168.596	140.740
77.5	160.133	197.761	224.660	242.441	246.874	242.441	224.660	197.761	160.133	133.285
78.0	151.721	188.341	214.686	232.216	236.598	232.216	214.686	188.341	151.721	126.132
78.5	143.409	179.123	204.712	221.990	226.372	221.990	204.712	179.123	143.409	118.878
79.0	135.148	170.056	194.940	211.764	216.248	211.764	194.940	170.056	135.148	111.725
79.5	126.988	161.040	185.218	201.589	205.921	201.589	185.218	161.040	126.988	104.774
80.0	119.029	152.174	175.648	191.465	195.797	191.465	175.648	152.174	119.029	97.923
80.5	111.222	143.359	166.178	181.340	185.672	181.340	166.178	143.359	111.222	91.174
81.0	103.666	134.645	156.758	171.416	175.648	171.416	156.758	134.645	103.666	84.575
81.5	96.261	125.981	147.339	161.644	165.875	161.644	147.339	125.981	96.261	78.127
82.0	89.058	117.518	138.120	151.973	156.204	151.973	138.120	117.518	89.058	71.780
82.5	82.056	109.207	128.953	142.402	146.633	142.402	128.953	109.207	82.056	65.585

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CANDELA TABULATION - (Cont.)

83.0	75.256	101.047	120.087	132.932	136.962	132.932	120.087	101.047	75.256	59.489
83.5	68.657	92.987	111.272	123.512	127.391	123.512	111.272	92.987	68.657	53.646
84.0	62.159	85.179	102.608	114.244	117.921	114.244	102.608	85.179	62.159	47.904
84.5	55.913	77.523	94.095	105.177	108.653	105.177	94.095	77.523	55.913	42.363
85.0	49.868	70.068	85.733	96.261	99.636	96.261	85.733	70.068	49.868	37.024
85.5	44.076	62.814	77.573	87.547	90.821	87.547	77.573	62.814	44.076	31.886
86.0	38.535	55.812	69.614	78.933	82.207	78.933	69.614	55.812	38.535	26.949
86.5	33.145	48.962	61.807	70.571	73.644	70.571	61.807	48.962	33.145	22.113
87.0	27.805	42.363	54.150	62.310	65.182	62.310	54.150	42.363	27.805	17.378
87.5	22.718	35.966	46.745	54.251	56.921	54.251	46.745	35.966	22.718	12.795
88.0	17.781	29.770	39.492	46.443	48.962	46.443	39.492	29.770	17.781	8.311
88.5	12.895	23.776	32.490	38.837	41.204	38.837	32.490	23.776	12.895	4.030
89.0	8.160	17.932	25.690	31.483	33.699	31.483	25.690	17.932	8.160	1.310
89.5	4.685	11.989	19.091	24.229	26.345	24.229	19.091	11.989	4.685	0.403
90.0	2.317	6.599	12.643	16.975	18.990	16.975	12.643	6.599	2.317	0.353
90.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.5	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.)

111.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138.5	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.)

139.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166.5	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.)

167.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	**Horizontal Angles**						
	225.0	**247.5**	**270.0**	**292.5**	**315.0**	**337.5**	**360.0**
0.0	1152.515	1152.515	1152.515	1152.515	1152.515	1152.515	1152.515
0.5	1145.462	1145.966	1146.974	1145.966	1145.462	1155.537	1154.529
1.0	1141.936	1141.936	1142.944	1141.936	1141.936	1153.522	1154.529
1.5	1138.410	1137.403	1138.410	1137.403	1138.410	1151.003	1154.529
2.0	1134.884	1132.869	1133.877	1132.869	1134.884	1148.989	1153.522
2.5	1130.855	1128.336	1129.343	1128.336	1130.855	1146.470	1153.522
3.0	1127.329	1123.802	1124.306	1123.802	1127.329	1143.448	1152.515
3.5	1122.795	1119.269	1119.269	1119.269	1122.795	1140.929	1152.011
4.0	1119.269	1114.735	1114.232	1114.735	1119.269	1137.907	1151.507
4.5	1114.735	1109.698	1108.691	1109.698	1114.735	1135.388	1149.996
5.0	1110.202	1104.661	1103.654	1104.661	1110.202	1132.366	1148.989
5.5	1106.172	1099.624	1098.113	1099.624	1106.172	1129.343	1147.981
6.0	1102.142	1094.587	1092.572	1094.587	1102.142	1126.321	1146.470
6.5	1097.609	1089.046	1087.535	1089.046	1097.609	1122.795	1144.959
7.0	1093.075	1084.008	1081.994	1084.008	1093.075	1119.773	1143.448
7.5	1088.542	1078.468	1076.453	1078.468	1088.542	1116.247	1141.433
8.0	1084.008	1072.927	1070.912	1072.927	1084.008	1112.721	1139.418
8.5	1079.475	1067.386	1064.867	1067.386	1079.475	1109.195	1137.403
9.0	1074.942	1061.845	1059.326	1061.845	1074.942	1105.165	1135.892
9.5	1070.408	1056.808	1053.281	1056.808	1070.408	1101.639	1133.373
10.0	1065.371	1051.267	1047.237	1051.267	1065.371	1098.113	1130.855
10.5	1060.837	1045.222	1041.192	1045.222	1060.837	1094.083	1128.336
11.0	1055.800	1039.681	1035.651	1039.681	1055.800	1090.557	1125.817
11.5	1050.763	1034.140	1029.103	1034.140	1050.763	1086.527	1122.795
12.0	1045.222	1028.095	1023.058	1028.095	1045.222	1081.994	1120.276

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CANDELA TABULATION - (Cont.)

12.5	1040.688	1022.554	1017.014	1022.554	1040.688	1077.964	1117.254
13.0	1035.148	1016.510	1010.969	1016.510	1035.148	1073.934	1114.232
13.5	1029.607	1010.465	1004.924	1010.465	1029.607	1069.401	1111.209
14.0	1024.569	1004.421	998.376	1004.421	1024.569	1065.371	1108.187
14.5	1019.028	998.376	992.331	998.376	1019.028	1060.837	1104.661
15.0	1013.487	991.827	985.783	991.827	1013.487	1055.800	1101.135
15.5	1007.947	986.287	979.234	986.287	1007.947	1051.267	1097.609
16.0	1001.902	979.738	972.686	979.738	1001.902	1046.229	1094.083
16.5	995.857	973.693	966.138	973.693	995.857	1041.696	1090.557
17.0	990.316	967.145	959.589	967.145	990.316	1036.155	1086.527
17.5	984.272	961.100	953.041	961.100	984.272	1031.118	1082.497
18.0	978.227	954.552	946.493	954.552	978.227	1026.081	1078.971
18.5	972.686	948.004	939.440	948.004	972.686	1021.043	1074.438
19.0	966.138	941.455	932.892	941.455	966.138	1015.502	1070.408
19.5	960.093	934.403	925.840	934.403	960.093	1009.961	1065.875
20.0	953.545	927.855	919.292	927.855	953.545	1004.421	1061.341
20.5	947.500	920.803	912.239	920.803	947.500	998.880	1056.808
21.0	941.455	913.751	905.187	913.751	941.455	993.339	1052.274
21.5	934.907	907.202	898.639	907.202	934.907	987.798	1047.237
22.0	928.359	900.150	891.587	900.150	928.359	981.753	1042.703
22.5	922.314	893.098	884.535	893.098	922.314	976.212	1037.666
23.0	915.766	886.550	877.483	886.550	915.766	970.671	1032.629
23.5	909.721	879.498	870.431	879.498	909.721	964.123	1027.088
24.0	903.172	872.949	863.379	872.949	903.172	958.078	1022.051
24.5	896.624	866.401	855.823	866.401	896.624	952.033	1016.510
25.0	890.076	859.349	849.274	859.349	890.076	945.989	1010.969
25.5	884.031	852.297	842.222	852.297	884.031	940.448	1005.428
26.0	877.483	845.748	834.666	845.748	877.483	933.396	999.383
26.5	870.431	838.696	827.614	838.696	870.431	927.351	993.842
27.0	863.882	832.148	821.066	832.148	863.882	920.803	987.798
27.5	857.334	825.096	814.014	825.096	857.334	914.758	981.753
28.0	850.785	818.547	807.465	818.547	850.785	908.210	975.708
28.5	843.733	811.999	800.413	811.999	843.733	901.661	969.160
29.0	836.681	804.443	793.361	804.443	836.681	894.609	963.115
29.5	829.629	797.895	786.813	797.895	829.629	888.061	956.063
30.0	822.577	790.843	779.761	790.843	822.577	881.512	949.515
30.5	815.525	783.287	773.212	783.287	815.525	874.460	942.966
31.0	807.969	776.235	766.160	776.235	807.969	867.408	936.418
31.5	800.413	768.679	759.108	768.679	800.413	860.860	929.870
32.0	793.361	761.627	751.552	761.627	793.361	853.304	922.818
32.5	785.805	754.575	745.004	754.575	785.805	846.252	915.766
33.0	778.250	747.019	737.448	747.019	778.250	838.696	909.217
33.5	771.197	739.463	729.892	739.463	771.197	831.140	902.669
34.0	763.642	731.907	722.337	731.907	763.642	824.088	895.113
34.5	756.086	724.351	714.781	724.351	756.086	816.532	888.565
35.0	748.530	716.292	707.225	716.292	748.530	809.480	881.009
35.5	740.974	708.736	699.165	708.736	740.974	801.924	873.957
36.0	733.418	701.180	691.610	701.180	733.418	793.865	866.905
36.5	725.863	693.121	683.550	693.121	725.863	786.813	859.349
37.0	718.810	685.565	675.490	685.565	718.810	778.753	852.297
37.5	710.751	677.505	666.927	677.505	710.751	771.197	844.741
38.0	703.195	669.949	658.868	669.949	703.195	763.138	837.185
38.5	695.639	661.890	650.808	661.890	695.639	755.582	829.629
39.0	687.580	654.334	642.749	654.334	687.580	748.026	821.570
39.5	680.024	646.275	634.689	646.275	680.024	739.967	814.014
40.0	671.964	638.215	626.629	638.215	671.964	732.411	806.458

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CANDELA TABULATION - (Cont.)

40.5	664.409	630.155	619.074	630.155	664.409	724.855	798.398
41.0	656.349	622.600	611.014	622.600	656.349	716.796	790.339
41.5	648.793	615.044	603.458	615.044	648.793	708.736	782.279
42.0	641.237	607.488	595.902	607.488	641.237	700.676	774.220
42.5	633.682	599.932	588.850	599.932	633.682	693.121	766.664
43.0	626.126	592.880	581.798	592.880	626.126	685.061	758.604
43.5	618.570	585.828	574.746	585.828	618.570	677.002	750.545
44.0	611.014	578.776	568.198	578.776	611.014	669.446	742.485
44.5	603.458	571.220	561.146	571.220	603.458	661.386	734.426
45.0	595.902	564.168	554.597	564.168	595.902	653.327	726.366
45.5	588.347	557.620	547.545	557.620	588.347	645.267	718.307
46.0	581.295	550.568	540.997	550.568	581.295	637.711	710.247
46.5	573.739	543.515	533.945	543.515	573.739	630.155	702.188
47.0	566.183	536.463	526.893	536.463	566.183	622.096	694.128
47.5	559.131	529.411	519.841	529.411	559.131	614.036	686.069
48.0	552.079	522.359	513.292	522.359	552.079	606.481	678.513
48.5	544.523	515.307	506.240	515.307	544.523	598.925	670.453
49.0	536.967	508.255	498.886	508.255	536.967	590.865	662.394
49.5	529.411	500.951	491.682	500.951	529.411	583.309	653.830
50.0	522.359	493.697	484.781	493.697	522.359	575.754	645.771
50.5	514.803	486.595	477.578	486.595	514.803	567.694	637.208
51.0	507.751	479.543	470.375	479.543	507.751	560.138	629.148
51.5	500.397	472.289	463.273	472.289	500.397	552.582	620.585
52.0	492.942	465.187	455.918	465.187	492.942	544.523	612.022
52.5	485.638	457.933	448.917	457.933	485.638	536.463	603.962
53.0	478.334	450.831	441.663	450.831	478.334	528.404	595.399
53.5	470.879	443.779	434.560	443.779	470.879	520.344	586.332
54.0	463.373	436.374	427.307	436.374	463.373	512.285	577.768
54.5	456.170	429.171	420.305	429.171	456.170	504.729	569.205
55.0	448.463	421.867	413.102	421.867	448.463	496.518	560.138
55.5	441.109	414.613	406.201	414.613	441.109	488.559	551.071
56.0	433.352	407.561	398.897	407.561	433.352	480.601	542.004
56.5	425.997	400.307	391.895	400.307	425.997	472.743	533.441
57.0	418.240	393.155	384.591	393.155	418.240	464.431	524.878
57.5	410.986	385.750	378.396	385.750	410.986	456.523	516.314
58.0	403.430	379.957	372.703	379.957	403.430	448.211	507.751
58.5	395.975	373.459	365.702	373.459	395.975	440.202	498.785
59.0	388.420	366.205	358.599	366.205	388.420	431.790	489.919
59.5	381.720	358.952	351.749	358.952	381.720	423.630	481.205
60.0	375.373	351.749	344.596	351.749	375.373	415.570	472.491
60.5	367.767	344.747	337.544	344.747	367.767	407.410	463.524
61.0	360.312	337.695	330.743	337.695	360.312	399.098	454.760
61.5	352.756	330.844	323.691	330.844	352.756	391.039	445.642
62.0	345.200	323.893	316.841	323.893	345.200	383.483	436.878
62.5	337.745	316.992	309.990	316.992	337.745	375.172	428.163
63.0	330.189	309.990	303.240	309.990	330.189	367.666	419.398
63.5	322.634	302.938	296.390	302.938	322.634	359.405	410.684
64.0	315.078	295.987	289.589	295.987	315.078	351.043	401.466
64.5	307.673	288.935	282.688	288.935	307.673	342.732	393.104
65.0	300.168	281.933	275.687	281.933	300.168	334.421	384.088
65.5	292.763	274.931	268.937	274.931	292.763	326.260	374.920
66.0	285.459	267.980	261.482	267.980	285.459	318.150	366.054
66.5	278.155	260.978	254.631	260.978	278.155	309.889	357.693
67.0	270.851	254.077	247.982	254.077	270.851	301.578	348.424
67.5	263.597	247.226	241.383	247.226	263.597	293.267	339.206
68.0	256.293	240.275	234.633	240.275	256.293	284.905	329.887

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CANDELA TABULATION - (Cont.)

68.5	248.889	233.475	227.984	233.475	248.889	276.694	320.669
69.0	241.484	226.675	221.234	226.675	241.484	268.383	311.451
69.5	234.130	219.874	214.585	219.874	234.130	260.021	302.283
70.0	226.725	213.074	207.936	213.074	226.725	251.760	293.115
70.5	219.471	206.274	201.287	206.274	219.471	243.499	283.998
71.0	212.167	199.524	194.588	199.524	212.167	235.238	274.881
71.5	204.914	192.825	188.039	192.825	204.914	226.977	265.814
72.0	197.711	186.175	181.440	186.175	197.711	218.817	256.797
72.5	190.558	179.526	174.942	179.526	190.558	210.606	247.831
73.0	183.355	172.928	168.293	172.928	183.355	202.496	238.965
73.5	176.252	166.278	161.745	166.278	176.252	194.386	230.050
74.0	169.150	159.680	155.297	159.680	169.150	186.478	221.134
74.5	162.098	153.081	148.850	153.081	162.098	178.670	212.218
75.0	155.197	146.633	142.604	146.633	155.197	170.812	203.352
75.5	148.346	140.186	136.357	140.186	148.346	163.256	194.588
76.0	141.596	133.788	130.262	133.788	141.596	155.650	185.823
76.5	134.897	127.492	124.117	127.492	134.897	148.195	177.159
77.0	128.298	121.246	118.072	121.246	128.298	140.740	168.596
77.5	121.749	115.100	112.078	115.100	121.749	133.285	160.133
78.0	115.251	108.955	106.084	108.955	115.251	126.132	151.721
78.5	108.753	102.860	100.190	102.860	108.753	118.878	143.409
79.0	102.457	96.765	94.246	96.765	102.457	111.725	135.148
79.5	96.110	90.821	88.453	90.821	96.110	104.774	126.988
80.0	89.965	84.877	82.610	84.877	89.965	97.923	119.029
80.5	83.920	79.034	76.868	79.034	83.920	91.174	111.222
81.0	77.926	73.291	71.226	73.291	77.926	84.575	103.666
81.5	72.032	67.599	65.685	67.599	72.032	78.127	96.261
82.0	66.239	62.058	60.245	62.058	66.239	71.780	89.058
82.5	60.497	56.518	54.805	56.518	60.497	65.585	82.056
83.0	54.855	51.128	49.415	51.128	54.855	59.489	75.256
83.5	49.264	45.788	44.227	45.788	49.264	53.646	68.657
84.0	43.824	40.550	38.938	40.550	43.824	47.904	62.159
84.5	38.484	35.412	33.900	35.412	38.484	42.363	55.913
85.0	33.346	30.374	28.964	30.374	33.346	37.024	49.868
85.5	28.259	25.488	24.179	25.488	28.259	31.886	44.076
86.0	23.373	20.703	19.494	20.703	23.373	26.949	38.535
86.5	18.587	16.069	14.961	16.069	18.587	22.113	33.145
87.0	13.953	11.586	10.528	11.586	13.953	17.378	27.805
87.5	9.470	7.354	6.599	7.354	9.470	12.795	22.718
88.0	5.339	3.728	3.073	3.728	5.339	8.311	17.781
88.5	2.116	0.907	0.604	0.907	2.116	4.030	12.895
89.0	0.554	0.353	0.302	0.353	0.554	1.310	8.160
89.5	0.302	0.302	0.302	0.302	0.302	0.403	4.685
90.0	0.302	0.302	0.252	0.302	0.302	0.353	2.317
90.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

96.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

124.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
139.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4WD-4-00-L8-835-FASY-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	419.78	N.A.	13.10
0-30	887.43	N.A.	27.80
0-40	1443.03	N.A.	45.10
0-60	2516.1	N.A.	78.70
0-80	3129.85	N.A.	97.90
0-90	3196.72	N.A.	100.00
10-90	3087.82	N.A.	96.60
20-40	1023.25	N.A.	32.00
20-50	1589.26	N.A.	49.70
40-70	1460.04	N.A.	45.70
60-80	613.75	N.A.	19.20
70-80	226.78	N.A.	7.10
80-90	66.87	N.A.	2.10
90-110	0.17	N.A.	0.00
90-120	0.17	N.A.	0.00
90-130	0.17	N.A.	0.00
90-150	0.17	N.A.	0.00
90-180	0.17	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3196.89	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	108.90
10-20	310.88
20-30	467.65
30-40	555.59
40-50	566.01
50-60	507.06
60-70	386.97
70-80	226.78
80-90	66.87
90-100	0.17
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4WD-4-00-L8-835-FASY-DIM-UNV_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	33	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

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UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity		70	70	50	50	30	70	70	50	50	30
Walls		50	30	50	30	30	50	30	50	30	30
Floor Cavity		20	20	20	20	20	20	20	20	20	20
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	19.3	20.9	19.6	21.2	21.5	21.0	22.6	21.4	22.9	23.3
	3H	21.1	22.5	21.4	22.9	23.2	22.9	24.4	23.3	24.8	25.1
	4H	21.7	23.1	22.1	23.5	23.8	23.7	25.1	24.1	25.5	25.9
	6H	22.2	23.5	22.6	23.9	24.2	24.4	25.7	24.8	26.0	26.4
	8H	22.3	23.6	22.7	24.0	24.4	24.6	25.8	25.0	26.2	26.6
	12H	22.4	23.6	22.9	24.0	24.4	24.8	26.0	25.2	26.4	26.8
4H	2H	20.0	21.3	20.3	21.7	22.1	21.6	23.0	22.0	23.3	23.7
	3H	22.0	23.2	22.4	23.5	23.9	23.8	25.0	24.2	25.3	25.7
	4H	22.8	23.8	23.2	24.2	24.7	24.7	25.8	25.1	26.2	26.6
	6H	23.4	24.3	23.8	24.7	25.2	25.5	26.4	26.0	26.9	27.3
	8H	23.5	24.4	24.0	24.9	25.3	25.8	26.7	26.3	27.1	27.6
	12H	23.7	24.5	24.2	24.9	25.4	26.0	26.8	26.5	27.3	27.8
8H	4H	23.1	24.0	23.6	24.4	24.9	25.0	25.9	25.5	26.3	26.8
	6H	23.9	24.6	24.4	25.1	25.5	26.0	26.7	26.4	27.2	27.6
	8H	24.1	24.8	24.6	25.3	25.8	26.3	27.0	26.8	27.5	28.0
	12H	24.3	24.9	24.8	25.4	26.0	26.7	27.3	27.2	27.8	28.3
12H	4H	23.2	24.0	23.7	24.4	24.9	25.0	25.8	25.5	26.3	26.8
	6H	23.9	24.6	24.5	25.1	25.6	26.0	26.7	26.5	27.1	27.7
	8H	24.3	24.8	24.8	25.3	25.9	26.5	27.0	27.0	27.5	28.1

Maximum UGR = 28.3

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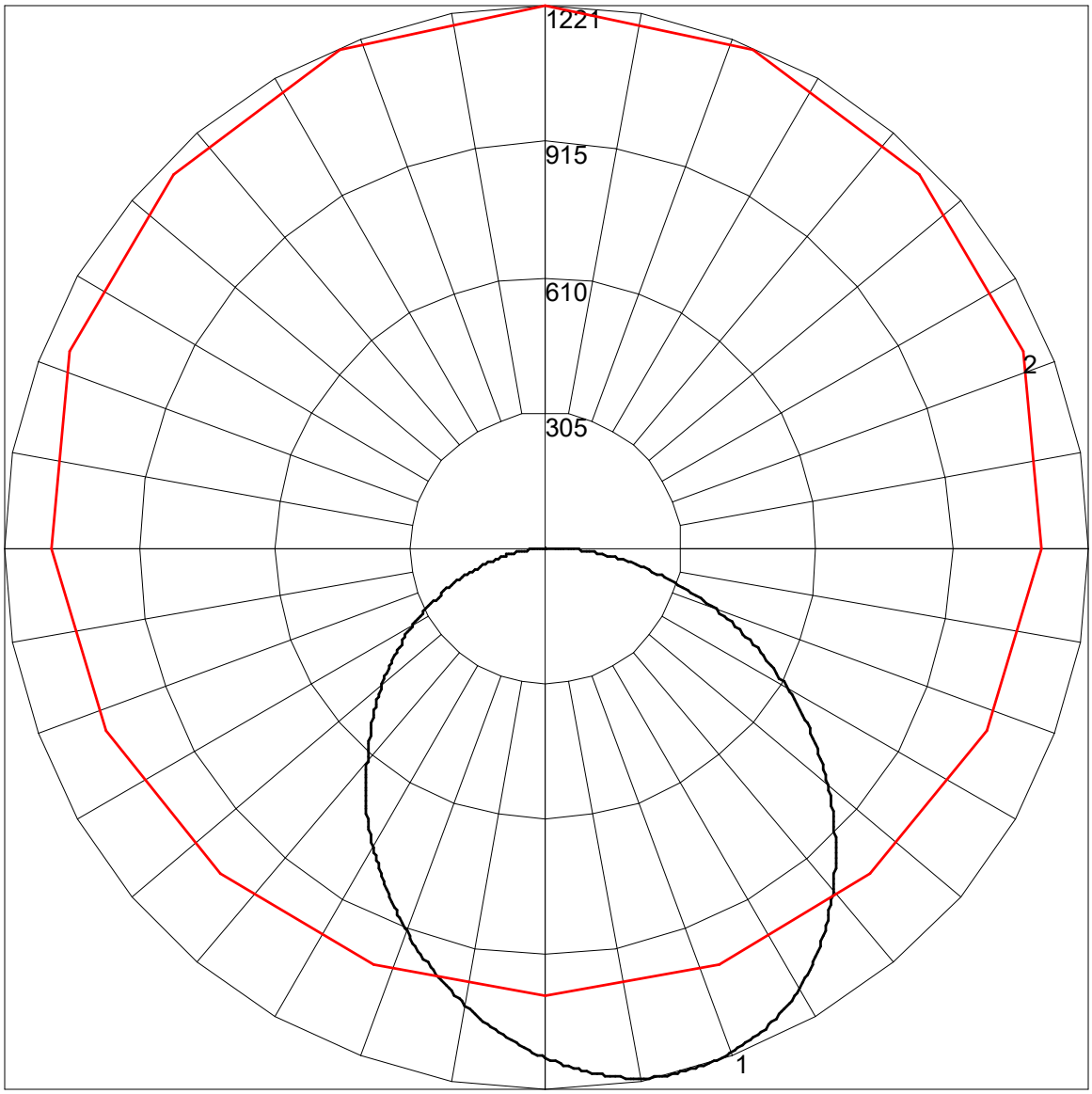
POLAR GRAPH



Maximum Candela = 1220.517 Located At Horizontal Angle = 90, Vertical Angle = 13
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (13) (Through Max. Cd.)

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