



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-4-00-L4-840U-L8-840D-FA-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13052732.12A
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 02-11-2022
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MX2WUD-4-00-L4-840U-L8-840D-FA-F-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing, frosted lens enclosure
 [LAMP] 144 White LEDs
 [BALLAST] One Philips XI040C110V054BST1 Driver
 [OTHER] 24.9 C, 120.041 V, 0.201711 A, 24.0155 W, 0.991819 PF, 60 Hz
 [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	4746
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	40.4
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17123	15671	14363
55	15105	13733	12436
65	13280	11945	10815
75	10949	10030	9312
85	7898	8494	8686

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	1369.144	1369.144	1369.144	1369.144	1369.144	1369.144	1369.144	1369.144	1369.144	1369.144
0.5	1367.063	1377.467	1366.023	1366.023	1363.942	1366.023	1366.023	1377.467	1367.063	1377.467
1.0	1366.023	1377.467	1366.023	1366.023	1363.942	1366.023	1366.023	1377.467	1366.023	1377.467
1.5	1366.023	1376.427	1366.023	1366.023	1363.942	1366.023	1366.023	1376.427	1366.023	1376.427
2.0	1366.023	1376.427	1364.983	1366.023	1363.942	1366.023	1364.983	1376.427	1366.023	1376.427
2.5	1364.983	1375.386	1364.983	1366.023	1363.942	1366.023	1364.983	1375.386	1364.983	1375.386
3.0	1363.942	1375.386	1363.942	1366.023	1362.902	1366.023	1363.942	1375.386	1363.942	1375.386
3.5	1362.902	1374.346	1362.902	1364.983	1361.861	1364.983	1362.902	1374.346	1362.902	1374.346
4.0	1361.861	1373.306	1361.861	1363.942	1360.821	1363.942	1361.861	1373.306	1361.861	1373.306
4.5	1360.821	1372.265	1359.781	1362.902	1359.781	1362.902	1359.781	1372.265	1360.821	1372.265
5.0	1358.740	1370.184	1358.740	1361.861	1357.700	1361.861	1358.740	1370.184	1358.740	1370.184
5.5	1357.700	1369.144	1356.659	1359.781	1356.659	1359.781	1356.659	1369.144	1357.700	1369.144
6.0	1355.619	1367.063	1355.619	1357.700	1354.579	1357.700	1355.619	1367.063	1355.619	1367.063
6.5	1353.538	1364.983	1353.538	1354.579	1351.458	1354.579	1353.538	1364.983	1353.538	1364.983
7.0	1351.458	1362.902	1351.458	1351.458	1348.336	1351.458	1351.458	1362.902	1351.458	1362.902
7.5	1349.377	1360.821	1349.377	1348.336	1345.215	1348.336	1349.377	1360.821	1349.377	1360.821
8.0	1347.296	1358.740	1346.256	1344.175	1342.094	1344.175	1346.256	1358.740	1347.296	1358.740
8.5	1344.175	1355.619	1344.175	1341.054	1337.933	1341.054	1344.175	1355.619	1344.175	1355.619
9.0	1341.054	1353.538	1341.054	1336.892	1333.771	1336.892	1341.054	1353.538	1341.054	1353.538
9.5	1338.973	1350.417	1337.933	1332.731	1328.569	1332.731	1337.933	1350.417	1338.973	1350.417
10.0	1335.852	1347.296	1333.771	1327.529	1323.367	1327.529	1333.771	1347.296	1335.852	1347.296
10.5	1332.731	1344.175	1330.650	1323.367	1318.165	1323.367	1330.650	1344.175	1332.731	1344.175
11.0	1329.609	1341.054	1325.448	1318.165	1311.923	1318.165	1325.448	1341.054	1329.609	1341.054
11.5	1325.448	1336.892	1321.286	1312.963	1306.721	1312.963	1321.286	1336.892	1325.448	1336.892
12.0	1322.327	1333.771	1317.125	1307.761	1300.479	1307.761	1317.125	1333.771	1322.327	1333.771
12.5	1318.165	1329.609	1311.923	1301.519	1294.236	1301.519	1311.923	1329.609	1318.165	1329.609
13.0	1314.004	1325.448	1306.721	1296.317	1287.994	1296.317	1306.721	1325.448	1314.004	1325.448
13.5	1309.842	1321.286	1301.519	1290.075	1282.792	1290.075	1301.519	1321.286	1309.842	1321.286
14.0	1305.681	1317.125	1296.317	1283.833	1275.510	1283.833	1296.317	1317.125	1305.681	1317.125
14.5	1300.479	1311.923	1290.075	1277.590	1268.227	1277.590	1290.075	1311.923	1300.479	1311.923
15.0	1295.277	1306.721	1283.833	1270.308	1261.985	1270.308	1283.833	1306.721	1295.277	1306.721
15.5	1291.115	1302.560	1277.590	1263.025	1254.702	1263.025	1277.590	1302.560	1291.115	1302.560
16.0	1285.913	1296.317	1271.348	1256.783	1247.419	1256.783	1271.348	1296.317	1285.913	1296.317
16.5	1280.711	1291.115	1265.106	1249.500	1240.137	1249.500	1265.106	1291.115	1280.711	1291.115
17.0	1275.510	1284.873	1257.823	1241.177	1231.813	1241.177	1257.823	1284.873	1275.510	1284.873
17.5	1270.308	1279.671	1250.540	1233.894	1224.531	1233.894	1250.540	1279.671	1270.308	1279.671
18.0	1264.065	1273.429	1243.258	1225.571	1216.208	1225.571	1243.258	1273.429	1264.065	1273.429
18.5	1258.863	1267.186	1235.975	1218.288	1207.885	1218.288	1235.975	1267.186	1258.863	1267.186
19.0	1252.621	1260.944	1228.692	1209.965	1199.562	1209.965	1228.692	1260.944	1252.621	1260.944
19.5	1246.379	1253.662	1221.410	1201.642	1191.239	1201.642	1221.410	1253.662	1246.379	1253.662
20.0	1240.137	1247.419	1213.087	1193.319	1182.915	1193.319	1213.087	1247.419	1240.137	1247.419
20.5	1233.894	1240.137	1204.764	1183.956	1173.552	1183.956	1204.764	1240.137	1233.894	1240.137
21.0	1226.612	1232.854	1197.481	1174.592	1164.189	1174.592	1197.481	1232.854	1226.612	1232.854
21.5	1220.369	1225.571	1189.158	1165.229	1154.825	1165.229	1189.158	1225.571	1220.369	1225.571
22.0	1213.087	1218.288	1180.835	1155.866	1144.421	1155.866	1180.835	1218.288	1213.087	1218.288
22.5	1206.844	1211.006	1172.512	1146.502	1134.017	1146.502	1172.512	1211.006	1206.844	1211.006
23.0	1199.562	1203.723	1163.148	1136.098	1124.654	1136.098	1163.148	1203.723	1199.562	1203.723
23.5	1192.279	1195.400	1154.825	1126.735	1113.210	1126.735	1154.825	1195.400	1192.279	1195.400
24.0	1183.956	1188.117	1146.502	1116.331	1102.806	1116.331	1146.502	1188.117	1183.956	1188.117
24.5	1176.673	1179.794	1137.139	1105.927	1092.402	1105.927	1137.139	1179.794	1176.673	1179.794
25.0	1168.350	1171.471	1127.775	1096.564	1081.998	1096.564	1127.775	1171.471	1168.350	1171.471
25.5	1161.067	1162.108	1119.452	1086.160	1071.594	1086.160	1119.452	1162.108	1161.067	1162.108
26.0	1151.704	1153.785	1109.048	1074.716	1061.191	1074.716	1109.048	1153.785	1151.704	1153.785
26.5	1143.381	1144.421	1099.685	1064.312	1050.787	1064.312	1099.685	1144.421	1143.381	1144.421

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CANDELA TABULATION - (Cont.)

27.0	1134.017	1136.098	1090.321	1054.948	1040.279	1054.948	1090.321	1136.098	1134.017	1136.098
27.5	1125.694	1126.735	1079.918	1044.545	1029.563	1044.545	1079.918	1126.735	1125.694	1126.735
28.0	1116.331	1117.371	1070.554	1033.204	1019.263	1033.204	1070.554	1117.371	1116.331	1117.371
28.5	1106.968	1108.008	1060.150	1022.905	1008.755	1022.905	1060.150	1108.008	1106.968	1108.008
29.0	1097.604	1097.604	1049.746	1012.501	998.456	1012.501	1049.746	1097.604	1097.604	1097.604
29.5	1086.160	1088.241	1039.135	1001.785	987.323	1001.785	1039.135	1088.241	1086.160	1088.241
30.0	1076.796	1077.837	1028.523	991.589	976.399	991.589	1028.523	1077.837	1076.796	1077.837
30.5	1067.433	1067.433	1017.495	980.457	965.475	980.457	1017.495	1067.433	1067.433	1067.433
31.0	1057.029	1057.029	1006.362	969.741	954.655	969.741	1006.362	1057.029	1057.029	1057.029
31.5	1046.625	1046.625	995.230	958.401	943.003	958.401	995.230	1046.625	1046.625	1046.625
32.0	1036.534	1035.909	984.098	946.957	931.767	946.957	984.098	1035.909	1036.534	1035.909
32.5	1026.234	1024.465	972.758	935.304	920.739	935.304	972.758	1024.465	1026.234	1024.465
33.0	1015.934	1013.437	961.418	923.652	908.879	923.652	961.418	1013.437	1015.934	1013.437
33.5	1005.426	1002.097	949.974	911.792	897.642	911.792	949.974	1002.097	1005.426	1002.097
34.0	994.814	990.653	938.113	899.931	885.366	899.931	938.113	990.653	994.814	990.653
34.5	984.098	979.104	926.773	887.863	873.506	887.863	926.773	979.104	984.098	979.104
35.0	973.694	967.764	915.017	875.586	861.333	875.586	915.017	967.764	973.694	967.764
35.5	962.770	956.424	903.156	863.726	848.640	863.726	903.156	956.424	962.770	956.424
36.0	951.638	944.564	891.608	851.241	835.844	851.241	891.608	944.564	951.638	944.564
36.5	941.339	933.015	879.644	838.757	822.423	838.757	879.644	933.015	941.339	933.015
37.0	929.998	921.467	867.367	826.272	809.106	826.272	867.367	921.467	929.998	921.467
37.5	918.762	909.919	855.299	813.684	795.893	813.684	855.299	909.919	918.762	909.919
38.0	907.838	898.163	843.022	801.095	782.680	801.095	843.022	898.163	907.838	898.163
38.5	896.498	886.718	830.954	788.090	771.652	788.090	830.954	886.718	896.498	886.718
39.0	884.950	875.170	819.094	776.126	760.832	776.126	819.094	875.170	884.950	875.170
39.5	873.402	863.726	807.129	766.034	748.243	766.034	807.129	863.726	873.402	863.726
40.0	861.645	852.386	795.061	754.590	735.967	754.590	795.061	852.386	861.645	852.386
40.5	850.097	840.942	783.408	742.313	724.107	742.313	783.408	840.942	850.097	840.942
41.0	838.757	829.705	774.253	730.453	712.662	730.453	774.253	829.705	838.757	829.705
41.5	827.104	818.365	763.225	719.009	701.530	719.009	763.225	818.365	827.104	818.365
42.0	815.660	806.817	752.925	707.773	690.814	707.773	752.925	806.817	815.660	806.817
42.5	804.008	795.477	741.585	697.057	680.410	697.057	741.585	795.477	804.008	795.477
43.0	792.772	783.929	730.661	686.549	670.319	686.549	730.661	783.929	792.772	783.929
43.5	781.952	774.981	719.841	676.249	660.331	676.249	719.841	774.981	781.952	774.981
44.0	772.484	764.682	709.229	666.157	650.551	666.157	709.229	764.682	772.484	764.682
44.5	763.433	753.757	698.721	656.170	640.668	656.170	698.721	753.757	763.433	753.757
45.0	752.093	743.042	688.317	646.390	630.888	646.390	688.317	743.042	752.093	743.042
45.5	741.065	731.805	678.018	636.610	621.213	636.610	678.018	731.805	741.065	731.805
46.0	730.037	720.673	667.822	626.935	611.433	626.935	667.822	720.673	730.037	720.673
46.5	719.113	709.645	657.730	617.155	601.862	617.155	657.730	709.645	719.113	709.645
47.0	708.085	698.825	647.638	607.480	592.186	607.480	647.638	698.825	708.085	698.825
47.5	697.161	688.005	637.443	597.596	582.510	597.596	637.443	688.005	697.161	688.005
48.0	686.445	677.185	627.247	587.816	572.939	587.816	627.247	677.185	686.445	677.185
48.5	675.833	666.469	616.947	578.141	563.367	578.141	616.947	666.469	675.833	666.469
49.0	665.221	655.753	606.647	568.465	553.900	568.465	606.647	655.753	665.221	655.753
49.5	654.609	645.246	596.244	558.894	544.536	558.894	596.244	645.246	654.609	645.246
50.0	643.997	634.634	586.048	549.322	535.173	549.322	586.048	634.634	643.997	634.634
50.5	633.385	624.022	575.852	539.855	525.914	539.855	575.852	624.022	633.385	624.022
51.0	622.773	613.514	565.760	530.491	516.654	530.491	565.760	613.514	622.773	613.514
51.5	611.953	603.006	555.773	521.024	507.395	521.024	555.773	603.006	611.953	603.006
52.0	601.341	592.290	545.889	511.660	498.135	511.660	545.889	592.290	601.341	592.290
52.5	590.625	581.886	536.317	502.297	488.980	502.297	536.317	581.886	590.625	581.886
53.0	580.118	571.482	526.746	493.038	479.721	493.038	526.746	571.482	580.118	571.482
53.5	569.610	561.183	517.382	483.778	470.461	483.778	517.382	561.183	569.610	561.183
54.0	559.102	550.987	507.915	474.519	461.306	474.519	507.915	550.987	559.102	550.987
54.5	548.594	540.895	498.552	465.259	452.150	465.259	498.552	540.895	548.594	540.895

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CANDELA TABULATION - (Cont.)

55.0	538.190	530.803	489.292	456.104	443.099	456.104	489.292	530.803	538.190	530.803
55.5	527.994	520.816	480.033	447.053	434.152	447.053	480.033	520.816	527.994	520.816
56.0	517.903	510.724	470.773	438.209	425.309	438.209	470.773	510.724	517.903	510.724
56.5	507.915	500.736	461.514	429.366	416.777	429.366	461.514	500.736	507.915	500.736
57.0	498.135	490.853	452.150	420.627	408.350	420.627	452.150	490.853	498.135	490.853
57.5	488.356	481.177	442.891	411.992	400.027	411.992	442.891	481.177	488.356	481.177
58.0	478.784	471.606	433.632	403.356	391.808	403.356	433.632	471.606	478.784	471.606
58.5	469.213	462.034	424.476	394.825	383.589	394.825	424.476	462.034	469.213	462.034
59.0	459.641	452.567	415.529	386.398	375.474	386.398	415.529	452.567	459.641	452.567
59.5	450.174	443.099	406.478	378.179	367.463	378.179	406.478	443.099	450.174	443.099
60.0	440.914	433.632	397.530	370.064	359.556	370.064	397.530	433.632	440.914	433.632
60.5	431.551	424.268	388.791	361.949	351.545	361.949	388.791	424.268	431.551	424.268
61.0	422.291	415.009	380.156	353.938	343.743	353.938	380.156	415.009	422.291	415.009
61.5	412.928	405.957	371.521	345.927	336.044	345.927	371.521	405.957	412.928	405.957
62.0	403.669	396.906	362.990	338.124	328.553	338.124	362.990	396.906	403.669	396.906
62.5	394.409	387.959	354.563	330.426	320.958	330.426	354.563	387.959	394.409	387.959
63.0	385.254	378.907	346.239	322.727	313.467	322.727	346.239	378.907	385.254	378.907
63.5	376.098	369.856	338.020	315.028	306.081	315.028	338.020	369.856	376.098	369.856
64.0	366.943	360.805	329.801	307.537	298.694	307.537	329.801	360.805	366.943	360.805
64.5	357.788	351.753	321.686	299.942	291.307	299.942	321.686	351.753	357.788	351.753
65.0	348.632	342.806	313.571	292.452	283.921	292.452	313.571	342.806	348.632	342.806
65.5	339.581	333.963	305.560	284.857	276.638	284.857	305.560	333.963	339.581	333.963
66.0	330.530	325.120	297.550	277.366	269.771	277.366	297.550	325.120	330.530	325.120
66.5	321.478	316.380	289.539	269.875	262.489	269.875	289.539	316.380	321.478	316.380
67.0	312.635	307.433	281.528	262.385	255.310	262.385	281.528	307.433	312.635	307.433
67.5	303.688	298.590	273.517	254.998	248.027	254.998	273.517	298.590	303.688	298.590
68.0	294.740	289.747	265.610	247.611	240.953	247.611	265.610	289.747	294.740	289.747
68.5	285.897	281.007	257.599	240.328	233.878	240.328	257.599	281.007	285.897	281.007
69.0	277.054	272.372	249.692	233.150	226.908	233.150	249.692	272.372	277.054	272.372
69.5	268.107	263.737	241.785	225.971	219.937	225.971	241.785	263.737	268.107	263.737
70.0	259.472	255.102	234.086	218.897	213.174	218.897	234.086	255.102	259.472	255.102
70.5	250.836	246.571	226.387	211.926	206.412	211.926	226.387	246.571	250.836	246.571
71.0	242.201	237.936	218.793	204.955	199.754	204.955	218.793	237.936	242.201	237.936
71.5	233.774	229.613	211.198	198.193	193.199	198.193	211.198	229.613	233.774	229.613
72.0	225.347	221.289	203.707	191.430	186.749	191.430	203.707	221.289	225.347	221.289
72.5	217.024	213.174	196.424	184.772	180.402	184.772	196.424	213.174	217.024	213.174
73.0	208.701	205.059	189.246	178.218	174.056	178.218	189.246	205.059	208.701	205.059
73.5	200.378	197.049	182.067	171.663	167.814	171.663	182.067	197.049	200.378	197.049
74.0	192.159	189.038	174.992	165.213	161.676	165.213	174.992	189.038	192.159	189.038
74.5	184.044	181.131	168.126	158.971	155.641	158.971	168.126	181.131	184.044	181.131
75.0	176.033	173.432	161.259	152.728	149.711	152.728	161.259	173.432	176.033	173.432
75.5	168.126	165.733	154.497	146.590	143.885	146.590	154.497	165.733	168.126	165.733
76.0	160.219	158.346	147.734	140.452	138.059	140.452	147.734	158.346	160.219	158.346
76.5	152.520	150.856	141.180	134.417	132.337	134.417	141.180	150.856	152.520	150.856
77.0	144.821	143.573	134.626	128.591	126.719	128.591	134.626	143.573	144.821	143.573
77.5	137.331	136.290	128.383	122.765	121.101	122.765	128.383	136.290	137.331	136.290
78.0	129.944	129.216	122.141	117.147	115.587	117.147	122.141	129.216	129.944	129.216
78.5	122.661	122.245	116.003	111.529	110.177	111.529	116.003	122.245	122.661	122.245
79.0	115.587	115.378	110.073	106.119	104.871	106.119	110.073	115.378	115.587	115.378
79.5	108.512	108.824	104.142	100.709	99.669	100.709	104.142	108.824	108.512	108.824
80.0	101.749	102.374	98.212	95.299	94.467	95.299	98.212	102.374	101.749	102.374
80.5	95.091	96.027	92.594	90.097	89.369	90.097	92.594	96.027	95.091	96.027
81.0	88.641	89.785	87.080	84.895	84.375	84.895	87.080	89.785	88.641	89.785
81.5	82.294	83.751	81.462	79.797	79.381	79.797	81.462	83.751	82.294	83.751
82.0	76.156	77.717	76.156	74.804	74.595	74.804	76.156	77.717	76.156	77.717
82.5	70.122	71.890	70.746	69.914	69.706	69.914	70.746	71.890	70.122	71.890

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CANDELA TABULATION - (Cont.)

83.0	64.400	66.168	65.544	65.128	65.024	65.128	65.544	66.168	64.400	66.168
83.5	58.678	60.654	60.446	60.342	60.342	60.342	60.446	60.654	58.678	60.654
84.0	53.268	55.348	55.452	55.660	55.869	55.660	55.452	55.348	53.268	55.348
84.5	47.962	50.146	50.667	51.187	51.395	51.187	50.667	50.146	47.962	50.146
85.0	42.760	45.049	45.985	46.713	47.025	46.713	45.985	45.049	42.760	45.049
85.5	37.870	40.159	41.407	42.344	42.864	42.344	41.407	40.159	37.870	40.159
86.0	33.084	35.373	36.934	38.078	38.598	38.078	36.934	35.373	33.084	35.373
86.5	28.506	30.899	32.564	33.916	34.645	33.916	32.564	30.899	28.506	30.899
87.0	24.033	26.426	28.298	29.859	30.691	29.859	28.298	26.426	24.033	26.426
87.5	19.663	22.160	24.241	25.906	26.738	25.906	24.241	22.160	19.663	22.160
88.0	15.398	17.999	20.183	21.952	22.992	21.952	20.183	17.999	15.398	17.999
88.5	11.236	13.837	16.126	18.207	19.351	18.207	16.126	13.837	11.236	13.837
89.0	6.971	9.572	11.964	13.837	14.982	13.837	11.964	9.572	6.971	9.572
89.5	2.809	5.202	6.762	7.595	8.323	7.595	6.762	5.202	2.809	5.202
90.0	1.855	4.052	5.193	5.591	5.633	5.591	5.193	4.052	1.855	5.015
90.5	2.408	2.194	1.712	0.963	0.535	0.963	1.712	2.194	2.408	3.638
91.0	3.799	3.264	2.515	1.659	1.017	1.659	2.515	3.264	3.799	4.548
91.5	4.976	4.227	3.852	3.157	2.461	3.157	3.852	4.227	4.976	5.778
92.0	6.099	5.243	4.922	4.494	3.906	4.494	4.922	5.243	6.099	7.651
92.5	7.491	6.742	5.885	5.511	4.976	5.511	5.885	6.742	7.491	9.524
93.0	9.096	8.614	6.742	6.474	5.939	6.474	6.742	8.614	9.096	11.396
93.5	11.022	10.487	7.651	7.330	6.795	7.330	7.651	10.487	11.022	13.430
94.0	13.109	12.413	8.989	8.240	7.705	8.240	8.989	12.413	13.109	15.784
94.5	15.356	14.446	11.450	9.310	8.668	9.310	11.450	14.446	15.356	18.726
95.0	17.763	16.747	14.660	10.754	9.898	10.754	14.660	16.747	17.763	22.204
95.5	20.332	19.583	17.763	12.841	11.557	12.841	17.763	19.583	20.332	26.324
96.0	23.060	22.900	20.599	16.479	13.697	16.479	20.599	22.900	23.060	30.123
96.5	25.896	26.645	23.274	20.974	17.549	20.974	23.274	26.645	25.896	33.601
97.0	28.839	30.818	26.057	24.558	22.686	24.558	26.057	30.818	28.839	37.346
97.5	31.942	34.617	28.946	27.822	26.324	27.822	28.946	34.617	31.942	40.984
98.0	35.152	38.416	31.996	30.979	29.748	30.979	31.996	38.416	35.152	44.890
98.5	38.470	42.161	35.206	34.136	32.959	34.136	35.206	42.161	38.470	48.903
99.0	41.840	45.800	38.577	37.399	36.222	37.399	38.577	45.800	41.840	52.916
99.5	45.265	49.705	42.108	40.770	39.486	40.770	42.108	49.705	45.265	57.089
100.0	48.796	53.611	45.853	44.301	42.910	44.301	45.853	53.611	48.796	61.369
100.5	52.327	57.464	49.973	47.886	46.442	47.886	49.973	57.464	52.327	65.810
101.0	55.965	61.476	54.895	51.685	50.080	51.685	54.895	61.476	55.965	70.251
101.5	59.657	65.703	60.460	55.537	53.772	55.537	60.460	65.703	59.657	74.799
102.0	63.349	69.930	66.934	59.443	57.571	59.443	66.934	69.930	63.349	79.400
102.5	67.041	74.210	72.980	63.510	61.476	63.510	72.980	74.210	67.041	84.162
103.0	70.840	78.544	79.026	67.736	65.489	67.736	79.026	78.544	70.840	88.924
103.5	74.638	82.985	84.751	72.070	69.555	72.070	84.751	82.985	74.638	93.900
104.0	78.491	87.586	90.262	76.993	73.729	76.993	90.262	87.586	78.491	99.250
104.5	82.289	92.188	95.612	83.199	77.956	83.199	95.612	92.188	82.289	105.189
105.0	86.142	97.057	100.748	89.566	82.557	89.566	100.748	97.057	86.142	111.182
105.5	90.048	102.086	105.885	95.452	88.924	95.452	105.885	102.086	90.048	117.335
106.0	93.953	107.222	111.075	101.712	95.291	101.712	111.075	107.222	93.953	123.167
106.5	97.913	112.359	116.211	108.400	100.588	108.400	116.211	112.359	97.913	128.357
107.0	101.819	117.335	121.027	115.623	106.473	115.623	121.027	117.335	101.819	133.226
107.5	105.724	121.829	125.735	122.953	112.680	122.953	125.735	121.829	105.724	138.094
108.0	109.737	126.109	130.497	130.122	119.421	130.122	130.497	126.109	109.737	143.017
108.5	113.750	130.390	135.419	136.971	126.912	136.971	135.419	130.390	113.750	148.046
109.0	117.709	134.831	140.395	143.284	134.563	143.284	140.395	134.831	117.709	153.022
109.5	121.722	139.271	145.371	149.170	141.893	149.170	145.371	139.271	121.722	157.998
110.0	125.735	143.712	150.293	154.895	148.795	154.895	150.293	143.712	125.735	162.867
110.5	129.748	148.046	155.216	160.192	155.697	160.192	155.216	148.046	129.748	167.629

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CANDELA TABULATION - (Cont.)

111.0	133.707	152.380	160.138	165.114	162.225	165.114	160.138	152.380	133.707	172.391
111.5	137.720	156.660	164.954	170.090	168.324	170.090	164.954	156.660	137.720	177.206
112.0	141.679	160.887	169.715	175.119	173.942	175.119	169.715	160.887	141.679	182.075
112.5	145.692	164.954	174.531	180.042	178.972	180.042	174.531	164.954	145.692	187.051
113.0	149.651	168.913	179.293	185.071	184.001	185.071	179.293	168.913	149.651	191.920
113.5	153.611	172.819	184.108	190.261	188.763	190.261	184.108	172.819	153.611	196.896
114.0	157.570	176.724	188.923	195.397	193.471	195.397	188.923	176.724	157.570	201.818
114.5	161.476	180.737	193.846	200.480	198.554	200.480	193.846	180.737	161.476	206.901
115.0	165.382	184.804	198.875	205.510	203.637	205.510	198.875	184.804	165.382	211.984
115.5	169.287	188.816	204.226	210.432	208.720	210.432	204.226	188.816	169.287	217.227
116.0	173.193	192.829	209.790	215.354	213.589	215.354	209.790	192.829	173.193	222.524
116.5	177.152	196.842	215.354	220.223	218.458	220.223	215.354	196.842	177.152	227.767
117.0	181.005	200.855	220.919	224.932	223.327	224.932	220.919	200.855	181.005	233.118
117.5	184.911	204.921	226.269	229.640	228.142	229.640	226.269	204.921	184.911	238.415
118.0	188.816	208.880	231.566	234.295	232.957	234.295	231.566	208.880	188.816	243.819
118.5	192.722	212.840	236.542	238.896	237.612	238.896	236.542	212.840	192.722	249.169
119.0	196.628	216.746	241.037	243.444	242.321	243.444	241.037	216.746	196.628	254.520
119.5	200.534	220.651	245.103	247.939	246.975	247.939	245.103	220.651	200.534	259.870
120.0	204.386	224.450	249.116	252.433	251.470	252.433	249.116	224.450	204.386	265.220
120.5	208.292	228.196	253.075	257.195	256.018	257.195	253.075	228.196	208.292	270.624
121.0	212.251	231.887	256.981	262.064	260.512	262.064	256.981	231.887	212.251	275.921
121.5	216.104	235.579	260.887	267.254	264.953	267.254	260.887	235.579	216.104	281.165
122.0	220.009	239.217	264.739	272.604	269.501	272.604	264.739	239.217	220.009	286.462
122.5	223.862	242.802	268.591	277.954	274.209	277.954	268.591	242.802	223.862	291.705
123.0	227.767	246.280	272.390	283.251	279.239	283.251	272.390	246.280	227.767	296.895
123.5	231.727	249.758	276.135	288.388	284.535	288.388	276.135	249.758	231.727	302.031
124.0	235.633	253.182	279.774	293.150	289.939	293.150	279.774	253.182	235.633	307.168
124.5	239.538	256.553	283.412	297.537	295.557	297.537	283.412	256.553	239.538	312.251
125.0	243.498	259.923	286.943	301.496	301.175	301.496	286.943	259.923	243.498	317.334
125.5	247.404	263.187	290.314	305.188	306.472	305.188	290.314	263.187	247.404	322.416
126.0	251.363	266.398	293.524	308.880	311.662	308.880	293.524	266.398	251.363	327.499
126.5	255.322	269.661	296.520	312.465	316.370	312.465	296.520	269.661	255.322	332.475
127.0	259.335	272.818	299.463	316.103	320.490	316.103	299.463	272.818	259.335	337.505
127.5	263.294	275.975	302.406	319.741	324.236	319.741	302.406	275.975	263.294	342.534
128.0	267.254	279.025	305.242	323.272	327.713	323.272	305.242	279.025	267.254	347.510
128.5	271.266	282.074	307.970	326.750	330.924	326.750	307.970	282.074	271.266	352.486
129.0	275.279	285.070	310.806	330.121	333.866	330.121	310.806	285.070	275.279	357.408
129.5	279.292	287.960	313.695	333.278	336.649	333.278	313.695	287.960	279.292	362.438
130.0	283.251	290.795	316.584	336.274	339.217	336.274	316.584	290.795	283.251	367.413
130.5	287.264	293.578	319.527	339.056	341.678	339.056	319.527	293.578	287.264	372.336
131.0	291.277	296.360	322.309	341.678	344.193	341.678	322.309	296.360	291.277	377.258
131.5	295.236	299.089	325.038	344.139	346.547	344.139	325.038	299.089	295.236	382.127
132.0	299.249	301.764	327.767	346.547	349.062	346.547	327.767	301.764	299.249	386.996
132.5	303.208	304.386	330.389	348.741	351.790	348.741	330.389	304.386	303.208	391.811
133.0	307.275	306.900	333.064	351.041	354.572	351.041	333.064	306.900	307.275	395.717
133.5	311.288	309.468	335.632	353.288	357.515	353.288	335.632	309.468	311.288	399.981
134.0	315.300	311.930	338.147	355.482	360.244	355.482	338.147	311.930	315.300	403.850
134.5	319.367	314.391	340.554	357.569	363.026	357.569	340.554	314.391	319.367	408.344
135.0	323.380	316.852	342.962	359.548	365.594	359.548	342.962	316.852	323.380	412.892
135.5	327.499	319.260	345.263	361.314	367.895	361.314	345.263	319.260	327.499	417.333
136.0	331.619	321.667	347.563	363.080	369.928	363.080	347.563	321.667	331.619	421.881
136.5	335.685	324.075	349.650	364.792	371.640	364.792	349.650	324.075	335.685	426.429
137.0	339.805	326.429	351.790	366.450	373.138	366.450	351.790	326.429	339.805	430.441
137.5	343.979	328.837	353.823	368.109	374.530	368.109	353.823	328.837	343.979	434.936
138.0	348.098	331.298	355.803	369.768	375.760	369.768	355.803	331.298	348.098	439.484
138.5	352.272	333.759	357.622	371.480	376.884	371.480	357.622	333.759	352.272	443.711

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CANDELA TABULATION - (Cont.)

139.0	356.445	336.114	359.388	373.299	377.954	373.299	359.388	336.114	356.445	448.044
139.5	360.618	338.575	361.046	375.172	379.131	375.172	361.046	338.575	360.618	452.164
140.0	364.845	340.822	362.652	376.884	380.469	376.884	362.652	340.822	364.845	456.284
140.5	369.019	343.176	364.150	378.596	381.913	378.596	364.150	343.176	369.019	460.190
141.0	373.245	345.584	365.541	380.201	383.465	380.201	365.541	345.584	373.245	464.470
141.5	377.365	347.938	366.878	381.753	384.963	381.753	366.878	347.938	377.365	468.322
142.0	381.432	350.239	368.056	383.251	386.461	383.251	368.056	350.239	381.432	472.068
142.5	385.498	352.646	369.179	384.642	387.799	384.642	369.179	352.646	385.498	475.813
143.0	389.457	355.000	370.303	385.926	389.083	385.926	370.303	355.000	389.457	479.558
143.5	392.721	357.355	371.319	387.157	390.260	387.157	371.319	357.355	392.721	482.929
144.0	396.145	359.816	372.282	388.280	391.383	388.280	372.282	359.816	396.145	486.674
144.5	399.409	362.224	373.138	389.350	392.453	389.350	373.138	362.224	399.409	490.045
145.0	402.619	364.685	373.995	390.260	393.363	390.260	373.995	364.685	402.619	493.523
145.5	406.632	367.199	374.797	391.116	394.273	391.116	374.797	367.199	406.632	496.573
146.0	410.324	369.714	375.546	391.918	395.075	391.918	375.546	369.714	410.324	499.729
146.5	414.123	372.229	376.349	392.614	395.771	392.614	376.349	372.229	414.123	502.833
147.0	417.975	374.744	377.098	393.042	396.359	393.042	377.098	374.744	417.975	505.775
147.5	421.720	377.365	377.900	393.470	396.948	393.470	377.900	377.365	421.720	508.825
148.0	425.519	379.987	378.810	393.042	397.483	393.042	378.810	379.987	425.519	511.928
148.5	429.211	382.662	379.719	393.417	395.878	393.417	379.719	382.662	429.211	514.550
149.0	432.956	385.337	380.790	393.898	396.841	393.898	380.790	385.337	432.956	517.493
149.5	436.648	388.066	381.860	394.273	396.038	394.273	381.860	388.066	436.648	520.061
150.0	440.447	390.848	383.090	394.326	396.413	394.326	383.090	390.848	440.447	522.950
150.5	443.978	393.256	384.481	394.701	396.627	394.701	384.481	393.256	443.978	525.572
151.0	447.509	395.289	385.926	394.968	397.055	394.968	385.926	395.289	447.509	528.247
151.5	451.201	398.232	387.531	395.396	397.055	395.396	387.531	398.232	451.201	530.708
152.0	454.786	400.479	389.136	395.878	397.001	395.878	389.136	400.479	454.786	533.063
152.5	458.157	402.887	390.848	396.306	397.536	396.306	390.848	402.887	458.157	535.577
153.0	461.634	405.776	392.614	396.948	397.750	396.948	392.614	405.776	461.634	537.717
153.5	465.219	408.879	394.487	397.483	397.857	397.483	394.487	408.879	465.219	540.393
154.0	468.590	411.875	395.236	398.232	398.660	398.232	395.236	411.875	468.590	542.533
154.5	471.640	414.872	397.215	398.767	399.248	398.767	397.215	414.872	471.640	544.138
155.0	475.224	418.082	398.606	398.874	399.944	398.874	398.606	418.082	475.224	546.278
155.5	478.007	421.132	400.747	400.051	400.747	400.051	400.747	421.132	478.007	547.883
156.0	481.431	424.288	403.101	401.335	401.924	401.335	403.101	424.288	481.431	550.023
156.5	484.641	427.392	405.241	402.566	403.315	402.566	405.241	427.392	484.641	551.629
157.0	487.477	430.655	407.863	404.117	404.652	404.117	407.863	430.655	487.477	553.234
157.5	490.366	433.973	410.217	405.830	405.508	405.830	410.217	433.973	490.366	554.839
158.0	493.469	437.022	412.892	407.702	407.328	407.702	412.892	437.022	493.469	556.444
158.5	496.038	440.554	415.460	409.575	408.719	409.575	415.460	440.554	496.038	557.514
159.0	498.980	443.978	418.296	411.608	410.859	411.608	418.296	443.978	498.980	559.119
159.5	501.549	447.616	421.078	413.641	412.625	413.641	421.078	447.616	501.549	560.189
160.0	504.331	450.880	423.967	415.888	414.711	415.888	423.967	450.880	504.331	561.259
160.5	507.113	454.358	427.124	418.564	416.316	418.564	427.124	454.358	507.113	562.329
161.0	509.735	457.568	429.906	420.757	418.564	420.757	429.906	457.568	509.735	563.399
161.5	512.303	461.099	433.010	423.111	420.597	423.111	433.010	461.099	512.303	564.470
162.0	514.604	464.524	436.273	425.680	422.897	425.680	436.273	464.524	514.604	565.540
162.5	517.172	467.787	439.377	428.408	425.305	428.408	439.377	467.787	517.172	566.610
163.0	519.686	471.265	442.533	431.244	428.141	431.244	442.533	471.265	519.686	567.680
163.5	522.148	474.368	445.797	433.812	430.495	433.812	445.797	474.368	522.148	568.750
164.0	524.181	477.846	448.900	436.862	433.063	436.862	448.900	477.846	524.181	569.820
164.5	526.482	481.324	452.164	439.805	436.113	439.805	452.164	481.324	526.482	570.355
165.0	528.782	484.748	455.428	442.908	438.414	442.908	455.428	484.748	528.782	570.890
165.5	530.976	487.744	458.959	446.332	441.570	446.332	458.959	487.744	530.976	571.960
166.0	533.116	491.062	462.383	449.596	444.674	449.596	462.383	491.062	533.116	572.495
166.5	535.042	494.272	465.754	452.860	447.991	452.860	465.754	494.272	535.042	572.495

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CANDELA TABULATION - (Cont.)

167.0	537.182	497.536	468.964	456.337	451.362	456.337	468.964	497.536	537.182	573.030
167.5	538.788	500.746	472.496	459.922	454.625	459.922	472.496	500.746	538.788	573.565
168.0	540.393	503.956	476.134	463.186	458.264	463.186	476.134	503.956	540.393	574.100
168.5	542.533	506.845	479.719	466.878	461.848	466.878	479.719	506.845	542.533	574.100
169.0	544.138	509.895	483.036	470.409	465.487	470.409	483.036	509.895	544.138	574.100
169.5	545.743	513.212	486.460	474.101	469.179	474.101	486.460	513.212	545.743	574.100
170.0	546.813	516.048	490.366	477.793	473.031	477.793	490.366	516.048	546.813	574.100
170.5	548.418	518.884	493.897	481.377	476.509	481.377	493.897	518.884	548.418	574.635
171.0	549.488	521.559	497.589	485.176	481.056	485.176	497.589	521.559	549.488	574.100
171.5	551.093	524.395	501.174	489.029	484.909	489.029	501.174	524.395	551.093	574.100
172.0	552.164	527.017	504.705	493.041	489.082	493.041	504.705	527.017	552.164	573.565
172.5	553.234	529.692	508.130	497.108	492.934	497.108	508.130	529.692	553.234	573.030
173.0	554.304	532.153	511.607	500.907	496.894	500.907	511.607	532.153	554.304	573.030
173.5	555.374	534.561	515.246	505.454	501.602	505.454	515.246	534.561	555.374	572.495
174.0	556.444	537.182	518.723	509.253	505.829	509.253	518.723	537.182	556.444	571.960
174.5	557.514	539.858	521.934	513.534	510.056	513.534	521.934	539.858	557.514	571.425
175.0	558.584	541.998	525.732	517.707	514.818	517.707	525.732	541.998	558.584	570.890
175.5	558.584	544.138	528.943	521.666	519.419	521.666	528.943	544.138	558.584	570.355
176.0	559.654	546.278	532.474	525.946	523.699	525.946	532.474	546.278	559.654	569.285
176.5	560.189	547.883	535.577	530.227	528.087	530.227	535.577	547.883	560.189	568.215
177.0	560.724	550.558	539.323	534.240	532.474	534.240	539.323	550.558	560.724	567.145
177.5	561.259	552.164	542.533	538.252	537.182	538.252	542.533	552.164	561.259	566.610
178.0	561.259	553.769	545.208	542.533	541.463	542.533	545.208	553.769	561.259	565.005
178.5	561.794	555.374	548.418	546.278	545.208	546.278	548.418	555.374	561.794	564.470
179.0	561.794	557.514	551.093	550.023	549.488	550.023	551.093	557.514	561.794	562.864
179.5	561.794	558.584	554.304	553.769	553.234	553.769	554.304	558.584	561.794	561.794
180.0	558.584	558.584	558.584	558.584	558.584	558.584	558.584	558.584	558.584	558.584

Vert. Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1369.144	1369.144	1369.144	1369.144	1369.144	1369.144	1369.144
0.5	1366.023	1366.023	1363.942	1366.023	1366.023	1377.467	1367.063
1.0	1366.023	1366.023	1363.942	1366.023	1366.023	1377.467	1366.023
1.5	1366.023	1366.023	1363.942	1366.023	1366.023	1376.427	1366.023
2.0	1364.983	1366.023	1363.942	1366.023	1364.983	1376.427	1366.023
2.5	1364.983	1366.023	1363.942	1366.023	1364.983	1375.386	1364.983
3.0	1363.942	1366.023	1362.902	1366.023	1363.942	1375.386	1363.942
3.5	1362.902	1364.983	1361.861	1364.983	1362.902	1374.346	1362.902
4.0	1361.861	1363.942	1360.821	1363.942	1361.861	1373.306	1361.861
4.5	1359.781	1362.902	1359.781	1362.902	1359.781	1372.265	1360.821
5.0	1358.740	1361.861	1357.700	1361.861	1358.740	1370.184	1358.740
5.5	1356.659	1359.781	1356.659	1359.781	1356.659	1369.144	1357.700
6.0	1355.619	1357.700	1354.579	1357.700	1355.619	1367.063	1355.619
6.5	1353.538	1354.579	1351.458	1354.579	1353.538	1364.983	1353.538
7.0	1351.458	1351.458	1348.336	1351.458	1351.458	1362.902	1351.458
7.5	1349.377	1348.336	1345.215	1348.336	1349.377	1360.821	1349.377
8.0	1346.256	1344.175	1342.094	1344.175	1346.256	1358.740	1347.296
8.5	1344.175	1341.054	1337.933	1341.054	1344.175	1355.619	1344.175
9.0	1341.054	1336.892	1333.771	1336.892	1341.054	1353.538	1341.054
9.5	1337.933	1332.731	1328.569	1332.731	1337.933	1350.417	1338.973
10.0	1333.771	1327.529	1323.367	1327.529	1333.771	1347.296	1335.852
10.5	1330.650	1323.367	1318.165	1323.367	1330.650	1344.175	1332.731
11.0	1325.448	1318.165	1311.923	1318.165	1325.448	1341.054	1329.609
11.5	1321.286	1312.963	1306.721	1312.963	1321.286	1336.892	1325.448
12.0	1317.125	1307.761	1300.479	1307.761	1317.125	1333.771	1322.327

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CANDELA TABULATION - (Cont.)

12.5	1311.923	1301.519	1294.236	1301.519	1311.923	1329.609	1318.165
13.0	1306.721	1296.317	1287.994	1296.317	1306.721	1325.448	1314.004
13.5	1301.519	1290.075	1282.792	1290.075	1301.519	1321.286	1309.842
14.0	1296.317	1283.833	1275.510	1283.833	1296.317	1317.125	1305.681
14.5	1290.075	1277.590	1268.227	1277.590	1290.075	1311.923	1300.479
15.0	1283.833	1270.308	1261.985	1270.308	1283.833	1306.721	1295.277
15.5	1277.590	1263.025	1254.702	1263.025	1277.590	1302.560	1291.115
16.0	1271.348	1256.783	1247.419	1256.783	1271.348	1296.317	1285.913
16.5	1265.106	1249.500	1240.137	1249.500	1265.106	1291.115	1280.711
17.0	1257.823	1241.177	1231.813	1241.177	1257.823	1284.873	1275.510
17.5	1250.540	1233.894	1224.531	1233.894	1250.540	1279.671	1270.308
18.0	1243.258	1225.571	1216.208	1225.571	1243.258	1273.429	1264.065
18.5	1235.975	1218.288	1207.885	1218.288	1235.975	1267.186	1258.863
19.0	1228.692	1209.965	1199.562	1209.965	1228.692	1260.944	1252.621
19.5	1221.410	1201.642	1191.239	1201.642	1221.410	1253.662	1246.379
20.0	1213.087	1193.319	1182.915	1193.319	1213.087	1247.419	1240.137
20.5	1204.764	1183.956	1173.552	1183.956	1204.764	1240.137	1233.894
21.0	1197.481	1174.592	1164.189	1174.592	1197.481	1232.854	1226.612
21.5	1189.158	1165.229	1154.825	1165.229	1189.158	1225.571	1220.369
22.0	1180.835	1155.866	1144.421	1155.866	1180.835	1218.288	1213.087
22.5	1172.512	1146.502	1134.017	1146.502	1172.512	1211.006	1206.844
23.0	1163.148	1136.098	1124.654	1136.098	1163.148	1203.723	1199.562
23.5	1154.825	1126.735	1113.210	1126.735	1154.825	1195.400	1192.279
24.0	1146.502	1116.331	1102.806	1116.331	1146.502	1188.117	1183.956
24.5	1137.139	1105.927	1092.402	1105.927	1137.139	1179.794	1176.673
25.0	1127.775	1096.564	1081.998	1096.564	1127.775	1171.471	1168.350
25.5	1119.452	1086.160	1071.594	1086.160	1119.452	1162.108	1161.067
26.0	1109.048	1074.716	1061.191	1074.716	1109.048	1153.785	1151.704
26.5	1099.685	1064.312	1050.787	1064.312	1099.685	1144.421	1143.381
27.0	1090.321	1054.948	1040.279	1054.948	1090.321	1136.098	1134.017
27.5	1079.918	1044.545	1029.563	1044.545	1079.918	1126.735	1125.694
28.0	1070.554	1033.204	1019.263	1033.204	1070.554	1117.371	1116.331
28.5	1060.150	1022.905	1008.755	1022.905	1060.150	1108.008	1106.968
29.0	1049.746	1012.501	998.456	1012.501	1049.746	1097.604	1097.604
29.5	1039.135	1001.785	987.323	1001.785	1039.135	1088.241	1086.160
30.0	1028.523	991.589	976.399	991.589	1028.523	1077.837	1076.796
30.5	1017.495	980.457	965.475	980.457	1017.495	1067.433	1067.433
31.0	1006.362	969.741	954.655	969.741	1006.362	1057.029	1057.029
31.5	995.230	958.401	943.003	958.401	995.230	1046.625	1046.625
32.0	984.098	946.957	931.767	946.957	984.098	1035.909	1036.534
32.5	972.758	935.304	920.739	935.304	972.758	1024.465	1026.234
33.0	961.418	923.652	908.879	923.652	961.418	1013.437	1015.934
33.5	949.974	911.792	897.642	911.792	949.974	1002.097	1005.426
34.0	938.113	899.931	885.366	899.931	938.113	990.653	994.814
34.5	926.773	887.863	873.506	887.863	926.773	979.104	984.098
35.0	915.017	875.586	861.333	875.586	915.017	967.764	973.694
35.5	903.156	863.726	848.640	863.726	903.156	956.424	962.770
36.0	891.608	851.241	835.844	851.241	891.608	944.564	951.638
36.5	879.644	838.757	822.423	838.757	879.644	933.015	941.339
37.0	867.367	826.272	809.106	826.272	867.367	921.467	929.998
37.5	855.299	813.684	795.893	813.684	855.299	909.919	918.762
38.0	843.022	801.095	782.680	801.095	843.022	898.163	907.838
38.5	830.954	788.090	771.652	788.090	830.954	886.718	896.498
39.0	819.094	776.126	760.832	776.126	819.094	875.170	884.950
39.5	807.129	766.034	748.243	766.034	807.129	863.726	873.402
40.0	795.061	754.590	735.967	754.590	795.061	852.386	861.645

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40.5	783.408	742.313	724.107	742.313	783.408	840.942	850.097
41.0	774.253	730.453	712.662	730.453	774.253	829.705	838.757
41.5	763.225	719.009	701.530	719.009	763.225	818.365	827.104
42.0	752.925	707.773	690.814	707.773	752.925	806.817	815.660
42.5	741.585	697.057	680.410	697.057	741.585	795.477	804.008
43.0	730.661	686.549	670.319	686.549	730.661	783.929	792.772
43.5	719.841	676.249	660.331	676.249	719.841	774.981	781.952
44.0	709.229	666.157	650.551	666.157	709.229	764.682	772.484
44.5	698.721	656.170	640.668	656.170	698.721	753.757	763.433
45.0	688.317	646.390	630.888	646.390	688.317	743.042	752.093
45.5	678.018	636.610	621.213	636.610	678.018	731.805	741.065
46.0	667.822	626.935	611.433	626.935	667.822	720.673	730.037
46.5	657.730	617.155	601.862	617.155	657.730	709.645	719.113
47.0	647.638	607.480	592.186	607.480	647.638	698.825	708.085
47.5	637.443	597.596	582.510	597.596	637.443	688.005	697.161
48.0	627.247	587.816	572.939	587.816	627.247	677.185	686.445
48.5	616.947	578.141	563.367	578.141	616.947	666.469	675.833
49.0	606.647	568.465	553.900	568.465	606.647	655.753	665.221
49.5	596.244	558.894	544.536	558.894	596.244	645.246	654.609
50.0	586.048	549.322	535.173	549.322	586.048	634.634	643.997
50.5	575.852	539.855	525.914	539.855	575.852	624.022	633.385
51.0	565.760	530.491	516.654	530.491	565.760	613.514	622.773
51.5	555.773	521.024	507.395	521.024	555.773	603.006	611.953
52.0	545.889	511.660	498.135	511.660	545.889	592.290	601.341
52.5	536.317	502.297	488.980	502.297	536.317	581.886	590.625
53.0	526.746	493.038	479.721	493.038	526.746	571.482	580.118
53.5	517.382	483.778	470.461	483.778	517.382	561.183	569.610
54.0	507.915	474.519	461.306	474.519	507.915	550.987	559.102
54.5	498.552	465.259	452.150	465.259	498.552	540.895	548.594
55.0	489.292	456.104	443.099	456.104	489.292	530.803	538.190
55.5	480.033	447.053	434.152	447.053	480.033	520.816	527.994
56.0	470.773	438.209	425.309	438.209	470.773	510.724	517.903
56.5	461.514	429.366	416.777	429.366	461.514	500.736	507.915
57.0	452.150	420.627	408.350	420.627	452.150	490.853	498.135
57.5	442.891	411.992	400.027	411.992	442.891	481.177	488.356
58.0	433.632	403.356	391.808	403.356	433.632	471.606	478.784
58.5	424.476	394.825	383.589	394.825	424.476	462.034	469.213
59.0	415.529	386.398	375.474	386.398	415.529	452.567	459.641
59.5	406.478	378.179	367.463	378.179	406.478	443.099	450.174
60.0	397.530	370.064	359.556	370.064	397.530	433.632	440.914
60.5	388.791	361.949	351.545	361.949	388.791	424.268	431.551
61.0	380.156	353.938	343.743	353.938	380.156	415.009	422.291
61.5	371.521	345.927	336.044	345.927	371.521	405.957	412.928
62.0	362.990	338.124	328.553	338.124	362.990	396.906	403.669
62.5	354.563	330.426	320.958	330.426	354.563	387.959	394.409
63.0	346.239	322.727	313.467	322.727	346.239	378.907	385.254
63.5	338.020	315.028	306.081	315.028	338.020	369.856	376.098
64.0	329.801	307.537	298.694	307.537	329.801	360.805	366.943
64.5	321.686	299.942	291.307	299.942	321.686	351.753	357.788
65.0	313.571	292.452	283.921	292.452	313.571	342.806	348.632
65.5	305.560	284.857	276.638	284.857	305.560	333.963	339.581
66.0	297.550	277.366	269.771	277.366	297.550	325.120	330.530
66.5	289.539	269.875	262.489	269.875	289.539	316.380	321.478
67.0	281.528	262.385	255.310	262.385	281.528	307.433	312.635
67.5	273.517	254.998	248.027	254.998	273.517	298.590	303.688
68.0	265.610	247.611	240.953	247.611	265.610	289.747	294.740

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68.5	257.599	240.328	233.878	240.328	257.599	281.007	285.897
69.0	249.692	233.150	226.908	233.150	249.692	272.372	277.054
69.5	241.785	225.971	219.937	225.971	241.785	263.737	268.107
70.0	234.086	218.897	213.174	218.897	234.086	255.102	259.472
70.5	226.387	211.926	206.412	211.926	226.387	246.571	250.836
71.0	218.793	204.955	199.754	204.955	218.793	237.936	242.201
71.5	211.198	198.193	193.199	198.193	211.198	229.613	233.774
72.0	203.707	191.430	186.749	191.430	203.707	221.289	225.347
72.5	196.424	184.772	180.402	184.772	196.424	213.174	217.024
73.0	189.246	178.218	174.056	178.218	189.246	205.059	208.701
73.5	182.067	171.663	167.814	171.663	182.067	197.049	200.378
74.0	174.992	165.213	161.676	165.213	174.992	189.038	192.159
74.5	168.126	158.971	155.641	158.971	168.126	181.131	184.044
75.0	161.259	152.728	149.711	152.728	161.259	173.432	176.033
75.5	154.497	146.590	143.885	146.590	154.497	165.733	168.126
76.0	147.734	140.452	138.059	140.452	147.734	158.346	160.219
76.5	141.180	134.417	132.337	134.417	141.180	150.856	152.520
77.0	134.626	128.591	126.719	128.591	134.626	143.573	144.821
77.5	128.383	122.765	121.101	122.765	128.383	136.290	137.331
78.0	122.141	117.147	115.587	117.147	122.141	129.216	129.944
78.5	116.003	111.529	110.177	111.529	116.003	122.245	122.661
79.0	110.073	106.119	104.871	106.119	110.073	115.378	115.587
79.5	104.142	100.709	99.669	100.709	104.142	108.824	108.512
80.0	98.212	95.299	94.467	95.299	98.212	102.374	101.749
80.5	92.594	90.097	89.369	90.097	92.594	96.027	95.091
81.0	87.080	84.895	84.375	84.895	87.080	89.785	88.641
81.5	81.462	79.797	79.381	79.797	81.462	83.751	82.294
82.0	76.156	74.804	74.595	74.804	76.156	77.717	76.156
82.5	70.746	69.914	69.706	69.914	70.746	71.890	70.122
83.0	65.544	65.128	65.024	65.128	65.544	66.168	64.400
83.5	60.446	60.342	60.342	60.342	60.446	60.654	58.678
84.0	55.452	55.660	55.869	55.660	55.452	55.348	53.268
84.5	50.667	51.187	51.395	51.187	50.667	50.146	47.962
85.0	45.985	46.713	47.025	46.713	45.985	45.049	42.760
85.5	41.407	42.344	42.864	42.344	41.407	40.159	37.870
86.0	36.934	38.078	38.598	38.078	36.934	35.373	33.084
86.5	32.564	33.916	34.645	33.916	32.564	30.899	28.506
87.0	28.298	29.859	30.691	29.859	28.298	26.426	24.033
87.5	24.241	25.906	26.738	25.906	24.241	22.160	19.663
88.0	20.183	21.952	22.992	21.952	20.183	17.999	15.398
88.5	16.126	18.207	19.351	18.207	16.126	13.837	11.236
89.0	11.964	13.837	14.982	13.837	11.964	9.572	6.971
89.5	6.762	7.595	8.323	7.595	6.762	5.202	2.809
90.0	6.424	6.822	7.024	6.822	6.424	5.015	1.855
90.5	3.959	3.424	3.210	3.424	3.959	3.638	2.408
91.0	4.922	4.441	4.227	4.441	4.922	4.548	3.799
91.5	5.778	5.350	5.136	5.350	5.778	5.778	4.976
92.0	6.635	6.206	6.046	6.206	6.635	7.651	6.099
92.5	7.544	7.063	6.849	7.063	7.544	9.524	7.491
93.0	8.935	7.972	7.812	7.972	8.935	11.396	9.096
93.5	11.664	9.256	8.989	9.256	11.664	13.430	11.022
94.0	15.891	11.022	10.701	11.022	15.891	15.784	13.109
94.5	19.208	13.323	12.520	13.323	19.208	18.726	15.356
95.0	22.151	18.084	14.874	18.084	22.151	22.204	17.763
95.5	25.040	24.398	20.439	24.398	25.040	26.324	20.332
96.0	28.090	28.464	27.715	28.464	28.090	30.123	23.060

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2WUD-4-00-L4-840U-L8-840D-FA-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

96.5	31.300	31.889	31.996	31.889	31.300	33.601	25.896
97.0	34.724	35.206	35.687	35.206	34.724	37.346	28.839
97.5	38.363	38.630	39.165	38.630	38.363	40.984	31.942
98.0	42.108	42.215	42.696	42.215	42.108	44.890	35.152
98.5	46.121	45.960	46.335	45.960	46.121	48.903	38.470
99.0	50.294	49.919	50.187	49.919	50.294	52.916	41.840
99.5	54.949	54.039	54.200	54.039	54.949	57.089	45.265
100.0	60.727	58.266	58.373	58.266	60.727	61.369	48.796
100.5	67.522	62.653	62.760	62.653	67.522	65.810	52.327
101.0	73.568	67.255	67.201	67.255	73.568	70.251	55.965
101.5	80.363	71.910	71.856	71.910	80.363	74.799	59.657
102.0	88.121	76.779	76.618	76.779	88.121	79.400	63.349
102.5	96.361	82.022	81.433	82.022	96.361	84.162	67.041
103.0	104.494	88.710	86.463	88.710	104.494	88.924	70.840
103.5	112.038	96.040	92.027	96.040	112.038	93.900	74.638
104.0	119.207	102.033	99.732	102.033	119.207	99.250	78.491
104.5	125.895	107.383	107.062	107.383	125.895	105.189	82.289
105.0	132.423	113.215	112.519	113.215	132.423	111.182	86.142
105.5	138.897	119.742	117.335	119.742	138.897	117.335	90.048
106.0	144.996	127.340	122.846	127.340	144.996	123.167	93.953
106.5	151.149	135.740	129.052	135.740	151.149	128.357	97.913
107.0	157.516	144.996	135.794	144.996	157.516	133.226	101.819
107.5	163.776	154.788	143.070	154.788	163.776	138.094	105.724
108.0	170.143	164.472	150.828	164.472	170.143	143.017	109.737
108.5	176.403	174.263	159.122	174.263	176.403	148.046	113.750
109.0	182.663	184.269	168.378	184.269	182.663	153.022	117.709
109.5	188.923	194.060	178.276	194.060	188.923	157.998	121.722
110.0	195.183	203.102	188.602	203.102	195.183	162.867	125.735
110.5	201.443	211.556	199.196	211.556	201.443	167.629	129.748
111.0	207.650	219.795	210.058	219.795	207.650	172.391	133.707
111.5	213.803	227.767	220.116	227.767	213.803	177.206	137.720
112.0	220.009	235.312	229.801	235.312	220.009	182.075	141.679
112.5	226.055	242.588	239.271	242.588	226.055	187.051	145.692
113.0	232.262	249.544	248.153	249.544	232.262	191.920	149.651
113.5	238.415	256.392	256.499	256.392	238.415	196.896	153.611
114.0	244.621	263.027	264.418	263.027	244.621	201.818	157.570
114.5	251.256	269.661	271.855	269.661	251.256	206.901	161.476
115.0	258.158	276.189	279.025	276.189	258.158	211.984	165.382
115.5	265.488	282.716	285.927	282.716	265.488	217.227	169.287
116.0	272.979	289.137	292.561	289.137	272.979	222.524	173.193
116.5	280.523	295.557	299.089	295.557	280.523	227.767	177.152
117.0	288.013	301.817	305.509	301.817	288.013	233.118	181.005
117.5	295.183	308.024	311.876	308.024	295.183	238.415	184.911
118.0	302.031	314.230	318.083	314.230	302.031	243.819	188.816
118.5	308.345	320.383	324.236	320.383	308.345	249.169	192.722
119.0	314.177	326.483	330.389	326.483	314.177	254.520	196.628
119.5	319.688	332.475	336.488	332.475	319.688	259.870	200.534
120.0	325.092	338.468	342.481	338.468	325.092	265.220	204.386
120.5	330.549	344.888	348.419	344.888	330.549	270.624	208.292
121.0	336.060	351.523	354.198	351.523	336.060	275.921	212.251
121.5	341.624	358.746	359.762	358.746	341.624	281.165	216.104
122.0	347.082	366.236	365.915	366.236	347.082	286.462	220.009
122.5	352.432	373.834	372.175	373.834	352.432	291.705	223.862
123.0	357.783	381.432	378.703	381.432	357.783	296.895	227.767
123.5	362.919	388.762	385.872	388.762	362.919	302.031	231.727
124.0	368.056	395.236	393.310	395.236	368.056	307.168	235.633

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-4-00-L4-840U-L8-840D-FA-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

124.5	373.085	400.212	398.499	400.212	373.085	312.251	239.538
125.0	378.114	406.204	406.097	406.204	378.114	317.334	243.498
125.5	383.090	411.875	413.160	411.875	383.090	322.416	247.404
126.0	388.013	417.279	419.848	417.279	388.013	327.499	251.363
126.5	392.239	421.827	425.947	421.827	392.239	332.475	255.322
127.0	396.199	426.643	431.137	426.643	396.199	337.505	259.335
127.5	400.051	431.298	436.380	431.298	400.051	342.534	263.294
128.0	404.706	435.792	440.768	435.792	404.706	347.510	267.254
128.5	409.414	440.286	444.995	440.286	409.414	352.486	271.266
129.0	414.016	444.781	448.900	444.781	414.016	357.408	275.279
129.5	418.938	449.061	453.288	449.061	418.938	362.438	279.292
130.0	423.646	453.074	457.408	453.074	423.646	367.413	283.251
130.5	428.408	457.461	461.688	457.461	428.408	372.336	287.264
131.0	432.956	461.848	465.915	461.848	432.956	377.258	291.277
131.5	437.825	466.236	470.516	466.236	437.825	382.127	295.236
132.0	442.480	470.516	474.636	470.516	442.480	386.996	299.249
132.5	446.760	475.117	479.237	475.117	446.760	391.811	303.208
133.0	451.308	479.237	483.785	479.237	451.308	395.717	307.275
133.5	455.695	483.304	487.798	483.304	455.695	398.981	311.288
134.0	460.083	487.584	492.132	487.584	460.083	403.850	315.300
134.5	464.577	491.169	495.931	491.169	464.577	408.344	319.367
135.0	468.804	494.968	499.729	494.968	468.804	412.892	323.380
135.5	473.245	498.552	503.421	498.552	473.245	417.333	327.499
136.0	477.151	502.191	507.006	502.191	477.151	421.881	331.619
136.5	481.324	505.989	510.751	505.989	481.324	426.429	335.685
137.0	485.658	509.628	514.283	509.628	485.658	430.441	339.805
137.5	489.778	513.319	517.760	513.319	489.778	434.936	343.979
138.0	494.004	517.332	521.185	517.332	494.004	439.484	348.098
138.5	497.750	521.399	524.555	521.399	497.750	443.711	352.272
139.0	501.763	525.518	528.301	525.518	501.763	448.044	356.445
139.5	505.936	529.531	531.832	529.531	505.936	452.164	360.618
140.0	509.681	533.598	535.577	533.598	509.681	456.284	364.845
140.5	513.641	537.182	539.858	537.182	513.641	460.190	369.019
141.0	517.279	540.928	543.068	540.928	517.279	464.470	373.245
141.5	521.024	545.208	546.813	545.208	521.024	468.322	377.365
142.0	524.823	548.953	551.093	548.953	524.823	472.068	381.432
142.5	528.354	552.699	554.839	552.699	528.354	475.813	385.498
143.0	531.832	556.444	558.584	556.444	531.832	479.558	389.457
143.5	535.042	560.189	562.864	560.189	535.042	482.929	392.721
144.0	538.788	563.934	566.075	563.934	538.788	486.674	396.145
144.5	541.998	567.680	570.355	567.680	541.998	490.045	399.409
145.0	545.208	570.890	574.100	570.890	545.208	493.523	402.619
145.5	547.883	574.635	577.846	574.635	547.883	496.573	406.632
146.0	551.093	577.846	581.591	577.846	551.093	499.729	410.324
146.5	553.234	581.591	585.336	581.591	553.234	502.833	414.123
147.0	556.444	584.801	589.081	584.801	556.444	505.775	417.975
147.5	558.584	587.476	592.292	587.476	558.584	508.825	421.720
148.0	561.259	590.152	595.502	590.152	561.259	511.928	425.519
148.5	563.399	592.827	598.177	592.827	563.399	514.550	429.211
149.0	566.075	594.967	600.852	594.967	566.075	517.493	432.956
149.5	568.215	597.107	602.993	597.107	568.215	520.061	436.648
150.0	570.355	598.712	605.133	598.712	570.355	522.950	440.447
150.5	572.495	600.852	606.203	600.852	572.495	525.572	443.978
151.0	574.635	601.922	607.808	601.922	574.635	528.247	447.509
151.5	576.240	602.993	609.413	602.993	576.240	530.708	451.201
152.0	578.381	604.598	609.948	604.598	578.381	533.063	454.786

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2WUD-4-00-L4-840U-L8-840D-FA-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

152.5	579.986	605.668	611.018	605.668	579.986	535.577	458.157
153.0	581.591	606.738	612.088	606.738	581.591	537.717	461.634
153.5	583.196	607.808	613.158	607.808	583.196	540.393	465.219
154.0	584.801	608.878	613.693	608.878	584.801	542.533	468.590
154.5	586.406	609.948	614.763	609.948	586.406	544.138	471.640
155.0	587.476	611.018	616.369	611.018	587.476	546.278	475.224
155.5	589.081	612.623	617.439	612.623	589.081	547.883	478.007
156.0	590.152	613.693	618.509	613.693	590.152	550.023	481.431
156.5	591.222	614.763	619.579	614.763	591.222	551.629	484.641
157.0	592.292	615.834	620.649	615.834	592.292	553.234	487.477
157.5	593.362	616.904	621.719	616.904	593.362	554.839	490.366
158.0	594.432	618.509	622.789	618.509	594.432	556.444	493.469
158.5	595.502	619.044	623.859	619.044	595.502	557.514	496.038
159.0	596.037	620.114	624.394	620.114	596.037	559.119	498.980
159.5	597.107	620.649	624.929	620.649	597.107	560.189	501.549
160.0	597.642	621.184	625.999	621.184	597.642	561.259	504.331
160.5	598.177	622.254	626.534	622.254	598.177	562.329	507.113
161.0	598.712	622.254	627.069	622.254	598.712	563.399	509.735
161.5	599.247	622.789	627.605	622.789	599.247	564.470	512.303
162.0	599.782	622.789	628.140	622.789	599.782	565.540	514.604
162.5	599.782	622.789	628.140	622.789	599.782	566.610	517.172
163.0	599.782	622.789	628.675	622.789	599.782	567.680	519.686
163.5	599.782	622.254	628.675	622.254	599.782	568.750	522.148
164.0	599.782	622.254	627.605	622.254	599.782	569.820	524.181
164.5	599.782	621.184	627.605	621.184	599.782	570.355	526.482
165.0	599.247	620.649	626.534	620.649	599.247	570.890	528.782
165.5	599.247	620.114	625.999	620.114	599.247	571.960	530.976
166.0	598.712	619.044	624.929	619.044	598.712	572.495	533.116
166.5	598.177	617.974	623.859	617.974	598.177	572.495	535.042
167.0	597.642	616.904	622.789	616.904	597.642	573.030	537.182
167.5	597.107	615.299	621.184	615.299	597.107	573.565	538.788
168.0	596.572	614.228	619.579	614.228	596.572	574.100	540.393
168.5	595.502	612.623	617.974	612.623	595.502	574.100	542.533
169.0	594.967	611.553	615.834	611.553	594.967	574.100	544.138
169.5	593.897	609.948	613.693	609.948	593.897	574.100	545.743
170.0	592.827	608.343	612.623	608.343	592.827	574.100	546.813
170.5	591.757	606.738	610.483	606.738	591.757	574.635	548.418
171.0	590.687	605.133	608.878	605.133	590.687	574.100	549.488
171.5	589.081	602.993	606.738	602.993	589.081	574.100	551.093
172.0	588.011	601.387	604.598	601.387	588.011	573.565	552.164
172.5	586.406	599.247	602.993	599.247	586.406	573.030	553.234
173.0	585.336	597.107	600.317	597.107	585.336	573.030	554.304
173.5	583.731	594.967	597.642	594.967	583.731	572.495	555.374
174.0	582.126	592.827	595.502	592.827	582.126	571.960	556.444
174.5	580.521	590.152	592.827	590.152	580.521	571.425	557.514
175.0	578.916	587.476	590.687	587.476	578.916	570.890	558.584
175.5	576.775	585.336	587.476	585.336	576.775	570.355	558.584
176.0	575.170	582.661	584.266	582.661	575.170	569.285	559.654
176.5	573.030	579.986	581.056	579.986	573.030	568.215	560.189
177.0	571.425	576.775	577.846	576.775	571.425	567.145	560.724
177.5	569.285	574.100	574.635	574.100	569.285	566.610	561.259
178.0	566.610	570.890	571.425	570.890	566.610	565.005	561.259
178.5	564.470	567.680	567.680	567.680	564.470	564.470	561.794
179.0	562.329	564.470	563.934	564.470	562.329	562.864	561.794
179.5	559.654	561.259	560.724	561.259	559.654	561.794	561.794
180.0	558.584	558.584	558.584	558.584	558.584	558.584	558.584

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2WUD-4-00-L4-840U-L8-840D-FA-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	490.71	N.A.	10.30
0-30	1010.15	N.A.	21.30
0-40	1583.58	N.A.	33.40
0-60	2558.29	N.A.	53.90
0-80	3044.8	N.A.	64.20
0-90	3096.6	N.A.	65.20
10-90	2967.43	N.A.	62.50
20-40	1092.87	N.A.	23.00
20-50	1627.14	N.A.	34.30
40-70	1288.15	N.A.	27.10
60-80	486.51	N.A.	10.30
70-80	173.07	N.A.	3.60
80-90	51.80	N.A.	1.10
90-110	133.57	N.A.	2.80
90-120	348.87	N.A.	7.40
90-130	632.18	N.A.	13.30
90-150	1219.44	N.A.	25.70
90-180	1649.25	N.A.	34.80
110-180	1515.68	N.A.	31.90
0-180	4745.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.17
10-20	361.54
20-30	519.44
30-40	573.43
40-50	534.26
50-60	440.45
60-70	313.44
70-80	173.07
80-90	51.80
90-100	22.98
100-110	110.59
110-120	215.30
120-130	283.31
130-140	303.83
140-150	283.43
150-160	227.82
160-170	149.44
170-180	52.56

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-4-00-L4-840U-L8-840D-FA-F-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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	65
1	101	97	93	90	95	92	88	85	81	78	76	71	69	68	62	61	60	56
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	55	53	51	47
3	85	75	68	62	80	71	65	59	63	58	54	56	52	49	49	46	44	40
4	78	67	59	53	73	63	56	51	57	51	46	50	46	42	44	41	38	35
5	72	60	52	46	67	57	50	44	51	45	40	45	41	37	40	36	33	31
6	66	54	46	40	62	51	44	39	46	40	36	41	36	33	37	33	30	27
7	61	49	41	35	58	47	39	34	42	36	32	38	33	29	34	30	27	24
8	57	45	37	32	54	43	35	30	39	33	28	35	30	26	31	27	24	22
9	53	41	33	28	50	39	32	27	35	30	26	32	27	24	29	25	22	20
10	50	38	31	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-4-00-L4-840U-L8-840D-FA-F-DIM-UNV_.IES

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

X=2H	Y=2H	18.8	19.7	19.6	20.6	21.6	17.6	18.6	18.4	19.5	20.5
	3H	20.4	21.3	21.2	22.1	23.2	19.2	20.1	20.0	20.9	22.0
	4H	20.9	21.8	21.8	22.6	23.7	19.8	20.6	20.6	21.5	22.6
	6H	21.3	22.1	22.2	23.0	24.1	20.2	21.0	21.1	21.9	23.0
	8H	21.4	22.2	22.3	23.1	24.1	20.4	21.1	21.3	22.0	23.1
	12H	21.5	22.2	22.4	23.1	24.2	20.5	21.2	21.4	22.1	23.2

UGR Viewed Endwise

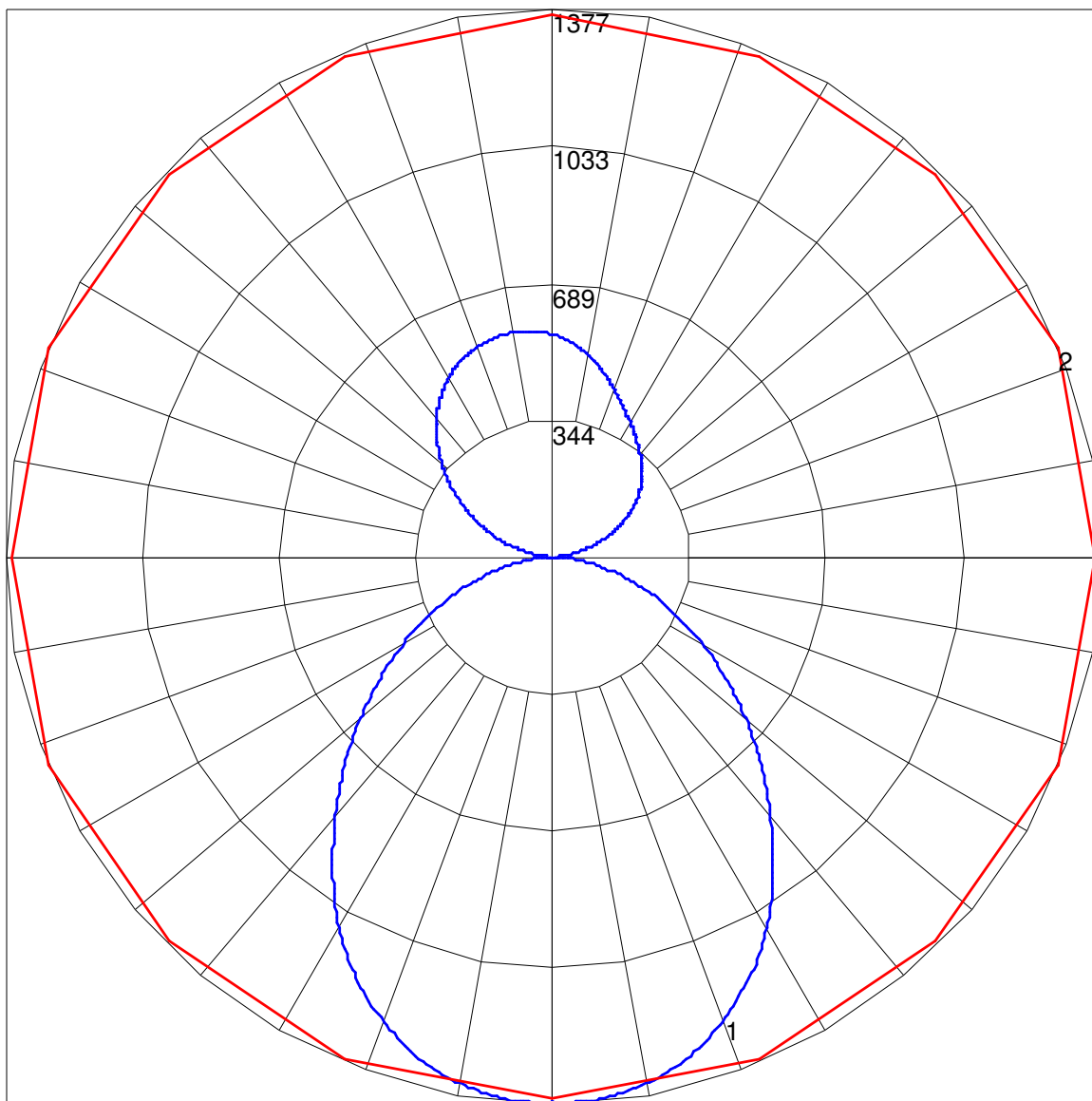
4H	2H	19.2	20.0	20.0	20.8	21.9	18.2	19.1	19.1	19.9	21.0
	3H	21.0	21.7	21.9	22.6	23.7	20.0	20.7	20.9	21.6	22.7
	4H	21.7	22.3	22.6	23.2	24.3	20.7	21.3	21.6	22.2	23.4
	6H	22.2	22.8	23.1	23.7	24.8	21.3	21.8	22.2	22.7	23.9
	8H	22.4	22.9	23.3	23.8	24.9	21.5	22.0	22.4	22.9	24.0
	12H	22.5	22.9	23.4	23.8	25.0	21.6	22.1	22.5	23.0	24.2

8H	4H	21.9	22.4	22.8	23.3	24.4	21.0	21.5	21.9	22.4	23.6
	6H	22.5	22.9	23.4	23.9	25.0	21.7	22.1	22.6	23.1	24.2
	8H	22.8	23.1	23.7	24.1	25.2	22.0	22.4	22.9	23.3	24.5
	12H	22.9	23.3	23.9	24.2	25.4	22.2	22.6	23.2	23.5	24.7

12H	4H	21.9	22.3	22.8	23.2	24.4	21.0	21.5	21.9	22.4	23.5
	6H	22.5	22.9	23.5	23.8	25.0	21.7	22.1	22.7	23.1	24.2
	8H	22.8	23.1	23.8	24.1	25.3	22.1	22.4	23.0	23.4	24.6

Maximum UGR = 25.4

POLAR GRAPH



Maximum Candela = 1377.467 Located At Horizontal Angle = 22.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)