



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LVL24L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST]
[TESTLAB] LEADING TESTING LABORATORIES
[TESTDATE] 2018-03-14
[ISSUEDATE] 2018-03-14 12:57:09
[LUMCAT] LVL24L-40
[LUMINAIRE] 2x4 RECESSED LUMINAIRE
[MORE] Formed white enamel steel housing, formed white enamel steel
[MORE] reflector, formed white enamel aluminum enclosure with angled frosted
[MORE] plastic lenses
[LAMP] (4) 32 CHIP LED BOARD ARRAYS 4000K
[NEARFIELD]
[LAMPPOSITION] 0,0
[MANUFAC] LAMAR LIGHTING CO., INC.
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4065
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	34.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	3.90 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2006	1955	1889
55	1947	1891	1794
65	1830	1779	1669
75	1567	1577	1461
85	967	1330	1194

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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	1444.449	1444.449	1444.449	1444.449	1444.449	1444.449	1444.449	1444.449	1444.449	1444.449
0.5	1444.465	1444.465	1444.679	1444.457	1444.473	1444.893	1444.465	1444.251	1444.219	1444.235
1.0	1444.465	1444.687	1444.687	1444.671	1444.473	1444.695	1444.465	1444.235	1444.005	1444.005
1.5	1444.013	1444.465	1444.687	1444.901	1444.473	1444.465	1444.687	1444.235	1443.997	1443.545
2.0	1443.576	1444.251	1444.687	1444.473	1444.473	1444.687	1444.267	1443.806	1443.315	1442.847
2.5	1443.116	1443.799	1444.465	1444.227	1444.029	1444.259	1444.021	1443.346	1442.847	1442.157
3.0	1442.434	1443.338	1443.791	1443.775	1443.569	1443.576	1443.354	1442.886	1442.165	1441.459
3.5	1441.514	1442.648	1443.140	1443.124	1443.132	1443.108	1442.886	1442.204	1441.443	1440.316
4.0	1440.642	1441.776	1442.442	1442.434	1442.228	1442.188	1442.188	1441.546	1440.324	1439.380
4.5	1439.936	1441.070	1441.292	1441.506	1441.070	1441.324	1441.324	1440.634	1439.452	1438.024
5.0	1438.793	1439.928	1440.594	1440.364	1440.205	1440.396	1440.182	1439.491	1438.310	1436.842
5.5	1437.413	1438.627	1439.293	1439.055	1438.833	1439.246	1439.023	1438.341	1437.144	1435.319
6.0	1436.335	1437.683	1437.913	1437.691	1437.469	1437.421	1437.659	1436.961	1435.533	1433.717
6.5	1434.748	1436.112	1436.541	1436.311	1435.644	1436.271	1436.493	1435.454	1434.153	1432.099
7.0	1433.368	1434.708	1434.931	1434.478	1434.026	1434.970	1434.756	1434.074	1432.757	1430.259
7.5	1431.298	1433.098	1433.312	1432.630	1432.083	1432.519	1433.138	1432.250	1430.901	1428.196
8.0	1429.902	1431.028	1431.377	1430.679	1430.005	1430.616	1431.290	1430.616	1428.942	1426.118
8.5	1427.752	1429.521	1429.307	1428.617	1428.149	1428.561	1429.227	1428.799	1426.872	1423.937
9.0	1425.666	1427.260	1427.237	1426.324	1425.880	1426.475	1427.046	1426.507	1424.992	1422.049
9.5	1423.397	1425.198	1424.968	1423.810	1423.382	1423.746	1424.762	1424.444	1422.691	1419.495
10.0	1421.541	1423.136	1422.446	1421.311	1420.629	1421.224	1422.469	1422.287	1420.320	1416.893
10.5	1418.599	1420.629	1419.939	1418.535	1417.417	1418.646	1419.733	1419.995	1418.234	1414.585
11.0	1416.267	1418.083	1417.377	1415.735	1414.831	1415.410	1417.179	1417.242	1415.521	1411.825
11.5	1413.482	1415.323	1414.379	1412.539	1411.634	1412.197	1414.442	1414.466	1412.959	1408.580
12.0	1410.722	1412.610	1411.610	1409.334	1408.208	1409.215	1411.452	1411.952	1410.381	1405.812
12.5	1407.740	1409.627	1408.200	1405.892	1404.781	1405.995	1408.216	1408.985	1407.589	1403.218
13.0	1404.781	1406.621	1405.400	1402.481	1401.140	1402.354	1405.043	1405.963	1405.305	1399.609
13.5	1401.584	1403.417	1401.791	1399.046	1397.484	1398.919	1401.838	1403.187	1402.774	1396.008
14.0	1398.348	1400.403	1398.309	1395.374	1393.533	1395.223	1398.182	1399.530	1399.133	1392.399
14.5	1395.104	1396.936	1394.842	1391.233	1389.845	1391.519	1394.692	1396.254	1395.501	1388.798
15.0	1391.677	1393.438	1391.114	1387.743	1385.903	1387.370	1391.011	1392.597	1391.868	1385.173
15.5	1388.187	1390.202	1387.243	1383.436	1381.572	1383.246	1387.331	1388.933	1388.235	1381.167
16.0	1384.531	1386.323	1383.111	1379.065	1377.170	1379.097	1383.444	1385.467	1384.602	1377.162
16.5	1380.850	1382.587	1379.169	1374.647	1372.569	1374.536	1379.296	1381.572	1380.676	1373.124
17.0	1376.900	1378.653	1375.028	1370.071	1367.778	1369.904	1375.099	1378.066	1376.805	1368.786
17.5	1372.982	1374.727	1370.396	1365.200	1363.090	1365.446	1370.531	1373.933	1372.664	1364.272
18.0	1368.579	1370.301	1365.986	1360.544	1358.030	1360.433	1366.065	1369.333	1368.492	1359.838
18.5	1364.431	1365.970	1361.409	1355.341	1353.041	1355.174	1361.242	1364.732	1364.066	1355.254
19.0	1360.108	1361.615	1356.634	1350.486	1347.361	1350.344	1356.658	1360.370	1359.672	1350.391
19.5	1355.507	1357.030	1351.565	1345.188	1342.237	1345.204	1351.541	1355.952	1355.135	1345.410
20.0	1351.097	1352.406	1346.719	1340.064	1336.502	1339.810	1346.766	1351.208	1350.582	1340.556
20.5	1346.727	1347.599	1341.468	1334.345	1331.172	1334.258	1341.523	1346.132	1345.688	1335.558
21.0	1341.658	1342.515	1336.145	1328.491	1324.707	1328.475	1336.423	1341.460	1340.873	1330.300
21.5	1336.590	1337.422	1330.902	1322.923	1319.092	1322.939	1330.879	1336.407	1335.781	1324.969
22.0	1331.822	1332.259	1325.421	1316.736	1312.944	1316.990	1325.374	1331.370	1330.680	1319.464
22.5	1326.849	1327.666	1319.742	1311.096	1306.797	1310.811	1320.036	1325.786	1325.421	1313.904
23.0	1321.519	1321.955	1313.928	1304.608	1300.547	1305.163	1314.087	1320.638	1320.218	1308.264
23.5	1316.220	1316.411	1307.908	1298.627	1294.050	1298.794	1308.098	1314.911	1314.761	1302.490
24.0	1310.589	1310.826	1302.260	1292.186	1287.530	1292.305	1302.046	1309.319	1309.169	1296.668
24.5	1305.028	1304.965	1296.263	1285.523	1281.081	1285.563	1296.025	1303.680	1303.442	1290.600
25.0	1299.476	1299.389	1290.021	1279.035	1273.935	1279.138	1290.068	1297.929	1297.834	1284.421
25.5	1293.535	1293.416	1283.842	1272.404	1267.248	1272.951	1283.770	1291.956	1291.813	1278.242
26.0	1287.554	1287.459	1277.171	1265.543	1260.561	1265.797	1277.369	1285.999	1285.801	1272.118
26.5	1281.534	1281.185	1270.659	1258.610	1253.201	1258.832	1270.849	1279.757	1279.812	1265.622

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CANDELA TABULATION - (Cont.)

27.0	1275.275	1275.132	1263.988	1251.455	1245.792	1251.884	1264.361	1273.498	1273.610	1258.927
27.5	1269.065	1268.922	1257.095	1244.277	1238.875	1244.967	1257.492	1267.066	1267.296	1252.526
28.0	1262.814	1262.013	1250.369	1237.146	1231.292	1237.590	1250.075	1260.585	1260.783	1245.951
28.5	1256.191	1255.580	1243.500	1229.563	1223.511	1230.475	1243.611	1253.700	1254.208	1238.970
29.0	1249.996	1249.131	1236.178	1221.972	1215.746	1222.504	1236.543	1247.307	1247.624	1231.776
29.5	1243.293	1242.001	1229.270	1214.595	1208.393	1215.278	1229.365	1240.644	1240.938	1225.169
30.0	1236.393	1235.488	1221.893	1206.973	1200.730	1207.425	1221.988	1233.489	1234.164	1218.086
30.5	1229.444	1228.120	1214.484	1198.850	1192.418	1199.652	1214.572	1226.533	1227.120	1210.542
31.0	1222.504	1221.195	1206.886	1191.022	1184.359	1191.815	1207.203	1219.331	1219.997	1203.086
31.5	1215.754	1214.318	1199.556	1183.216	1176.117	1183.899	1199.794	1212.232	1212.827	1195.741
32.0	1208.694	1206.727	1191.712	1174.999	1168.352	1175.927	1191.791	1204.688	1205.720	1188.380
32.5	1201.063	1199.596	1183.875	1167.115	1160.047	1167.376	1184.406	1197.732	1198.256	1180.448
33.0	1194.163	1192.203	1175.824	1158.619	1151.314	1159.587	1176.593	1189.919	1190.847	1172.730
33.5	1186.064	1184.351	1168.130	1150.203	1143.311	1151.028	1168.463	1182.312	1183.351	1165.076
34.0	1178.291	1176.887	1160.103	1142.089	1134.538	1142.938	1160.396	1174.364	1175.554	1157.200
34.5	1170.644	1168.955	1152.091	1133.427	1126.003	1133.990	1151.972	1166.623	1167.852	1149.093
35.0	1163.553	1161.142	1143.723	1124.900	1117.262	1125.939	1144.128	1158.841	1159.944	1140.836
35.5	1155.161	1152.916	1135.347	1116.262	1108.791	1117.428	1135.656	1150.854	1151.941	1132.777
36.0	1147.308	1144.889	1126.875	1107.347	1099.827	1108.497	1127.280	1142.375	1143.874	1124.631
36.5	1139.218	1136.568	1118.261	1098.772	1090.848	1099.811	1118.936	1134.030	1135.918	1116.072
37.0	1131.246	1128.494	1109.631	1090.079	1082.210	1091.062	1109.988	1126.003	1127.605	1107.609
37.5	1122.695	1120.165	1100.890	1080.925	1073.160	1081.592	1101.398	1117.682	1119.142	1099.066
38.0	1114.494	1111.781	1092.014	1072.042	1063.887	1072.962	1092.744	1109.306	1110.734	1090.420
38.5	1106.086	1103.317	1083.297	1063.166	1054.948	1064.213	1083.765	1100.557	1102.247	1081.631
39.0	1097.662	1094.576	1074.334	1054.195	1045.921	1054.829	1074.485	1091.975	1093.402	1072.755
39.5	1088.842	1085.827	1065.402	1044.954	1036.720	1045.541	1065.696	1083.234	1084.804	1063.856
40.0	1079.767	1077.070	1056.320	1035.872	1027.440	1036.443	1056.630	1074.223	1075.992	1054.853
40.5	1071.296	1068.218	1047.516	1026.599	1017.747	1027.622	1047.595	1065.244	1067.021	1045.691
41.0	1062.142	1059.057	1038.021	1016.851	1008.467	1017.977	1037.926	1056.265	1057.994	1036.617
41.5	1053.155	1049.895	1028.622	1007.681	998.694	1008.070	1028.860	1047.056	1048.864	1027.527
42.0	1044.446	1041.392	1019.452	998.250	989.025	999.131	1019.873	1037.997	1039.822	1017.977
42.5	1035.158	1031.874	1010.140	988.716	979.428	989.477	1010.394	1028.915	1030.621	1008.514
43.0	1025.830	1022.371	1000.860	979.174	969.885	979.975	1000.669	1019.389	1021.142	999.250
43.5	1016.470	1012.829	991.064	969.140	959.891	970.195	991.286	1010.053	1011.639	989.763
44.0	1006.761	1003.279	981.331	959.463	949.714	960.153	981.522	1000.305	1002.121	980.046
44.5	997.092	993.832	971.884	949.706	940.117	950.412	971.900	990.754	992.547	969.996
45.0	987.550	984.115	962.501	940.521	930.067	940.735	962.223	980.863	982.608	960.319
45.5	977.833	974.335	952.522	929.734	919.890	930.701	952.625	971.361	972.971	950.634
46.0	968.061	964.658	942.512	919.922	909.428	920.731	942.734	961.113	963.270	940.632
46.5	957.876	954.822	932.740	909.467	899.227	910.943	932.502	951.539	953.236	930.527
47.0	948.120	944.408	923.182	899.544	889.042	900.742	922.476	941.354	943.186	920.532
47.5	938.237	934.041	913.513	889.153	878.636	890.121	912.973	931.169	932.970	910.221
48.0	928.115	924.554	902.725	879.468	868.276	879.738	902.662	920.977	922.809	899.814
48.5	917.653	914.330	893.088	868.340	857.814	869.641	892.786	911.228	912.585	889.598
49.0	907.635	903.796	882.895	857.925	847.177	859.234	882.387	900.615	902.305	879.532
49.5	897.117	893.643	872.433	847.241	836.033	848.185	872.131	890.193	891.874	868.800
50.0	886.417	882.800	862.066	836.533	825.872	837.595	861.764	879.564	881.150	857.909
50.5	875.606	872.353	852.151	825.721	814.902	827.165	851.294	869.411	870.442	847.693
51.0	865.294	861.820	841.228	815.418	804.305	816.092	840.919	858.512	859.861	837.064
51.5	854.483	851.064	830.861	804.638	793.303	805.518	830.449	848.129	849.105	826.094
52.0	843.671	840.475	820.335	793.827	782.968	794.652	820.018	837.215	838.293	815.076
52.5	832.448	829.394	809.699	782.571	771.673	783.761	809.389	826.276	827.514	804.575
53.0	821.930	818.495	798.879	772.014	760.949	772.704	798.356	815.481	816.322	793.533
53.5	810.460	807.724	788.219	761.258	750.026	761.964	787.735	804.392	805.249	782.301
54.0	799.744	796.738	777.233	750.042	738.961	751.081	776.535	793.176	794.176	771.300
54.5	788.703	785.514	766.414	739.048	727.753	739.873	765.811	781.897	783.055	760.036

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CANDELA TABULATION - (Cont.)

55.0	777.423	774.290	755.404	728.110	716.640	728.745	755.214	770.840	771.847	748.908
55.5	766.144	763.217	744.728	717.291	705.869	717.886	744.164	759.505	760.457	737.676
56.0	754.587	751.605	733.060	705.813	694.938	706.725	732.227	748.099	749.320	726.579
56.5	742.951	740.024	721.495	694.462	683.873	695.605	720.686	736.248	737.573	715.236
57.0	731.568	728.570	710.200	683.683	673.474	684.317	709.890	725.310	726.016	703.767
57.5	719.900	717.275	698.857	673.086	662.100	674.157	698.333	713.642	714.475	692.027
58.0	708.248	706.043	687.347	661.703	650.670	662.647	687.046	702.045	702.823	680.566
58.5	696.453	694.264	675.902	650.297	639.240	651.114	675.814	690.036	691.068	669.342
59.0	684.770	682.390	664.376	638.883	627.818	639.589	664.234	678.995	679.217	657.856
59.5	672.975	667.930	652.843	627.477	616.388	628.064	652.629	667.192	667.430	646.101
60.0	660.894	656.944	641.318	616.071	605.101	616.539	641.025	655.350	655.612	634.267
60.5	648.814	645.990	629.785	604.720	593.988	605.331	629.420	643.507	643.309	622.852
61.0	636.725	635.028	618.252	593.718	582.605	593.901	617.816	631.657	631.221	610.986
61.5	624.645	624.074	606.552	582.066	571.310	582.677	605.791	619.814	619.267	599.128
62.0	612.596	611.962	594.670	570.517	559.928	570.937	593.710	607.932	607.290	587.515
62.5	600.397	599.953	582.835	559.079	548.363	559.381	582.011	596.003	594.963	575.522
63.0	588.166	588.229	571.009	547.768	536.925	547.800	570.454	584.184	582.661	563.767
63.5	575.816	576.173	559.238	536.322	525.574	536.576	558.524	572.151	570.374	551.456
64.0	563.378	564.108	547.308	524.892	514.351	525.098	546.531	560.198	557.905	539.566
64.5	551.020	552.035	535.394	513.169	502.746	513.248	534.379	547.935	545.492	527.779
65.0	538.535	539.979	523.528	501.731	491.062	501.810	522.758	535.815	533.245	515.524
65.5	526.034	527.621	511.463	490.213	479.743	490.356	510.392	523.663	520.736	503.047
66.0	513.383	515.302	499.534	478.791	468.353	478.633	498.447	511.400	507.934	491.245
66.5	500.700	503.079	487.469	466.965	456.733	466.846	486.398	499.208	495.425	478.744
67.0	487.953	490.769	475.531	455.344	444.961	455.368	474.476	486.589	482.924	466.243
67.5	475.246	478.363	463.403	443.906	433.730	444.033	462.110	474.056	470.098	453.544
68.0	462.674	465.743	451.521	432.524	422.379	432.207	450.204	461.960	457.653	441.289
68.5	449.951	453.250	439.488	420.801	410.790	420.555	438.219	449.419	444.811	428.796
69.0	436.831	440.504	427.257	409.117	399.091	408.998	426.131	436.688	432.032	416.081
69.5	423.902	427.701	415.351	397.528	387.708	397.560	413.606	423.831	419.056	403.556
70.0	411.163	415.026	403.477	386.209	376.413	385.908	401.756	411.116	406.356	391.024
70.5	398.393	402.002	391.214	374.581	365.031	374.192	389.723	398.409	393.435	378.269
71.0	385.575	389.541	379.269	363.246	353.632	362.841	378.039	385.741	380.506	365.689
71.5	372.336	376.675	367.394	351.649	342.678	351.570	365.665	373.058	367.997	353.347
72.0	359.581	363.738	355.433	340.402	331.169	340.021	353.577	359.915	355.250	340.656
72.5	346.676	350.967	343.138	328.956	319.818	328.583	341.457	347.318	342.147	328.083
73.0	333.715	338.363	331.105	317.573	308.301	317.280	329.725	334.596	329.353	315.876
73.5	320.770	325.831	319.549	306.429	297.513	306.096	317.566	322.063	316.653	303.423
74.0	308.039	313.036	307.833	295.047	286.226	294.840	305.779	309.499	304.041	291.152
74.5	294.991	300.536	295.784	283.751	274.780	283.648	293.873	296.823	291.469	278.723
75.0	282.419	287.947	284.180	272.401	263.334	272.195	282.244	284.204	278.675	266.817
75.5	269.775	275.542	272.226	260.907	251.730	260.804	270.370	271.734	266.222	254.633
76.0	257.013	263.350	260.955	249.469	240.157	249.699	259.012	259.686	253.634	242.703
76.5	244.258	250.929	249.557	238.031	228.505	238.587	247.748	247.240	241.434	230.726
77.0	232.051	238.769	238.016	226.173	216.353	227.236	236.175	235.192	229.013	218.987
77.5	219.677	226.641	226.546	214.259	204.503	215.282	224.610	223.199	217.004	207.477
78.0	207.438	214.806	215.370	202.322	193.795	203.384	213.585	211.523	204.614	196.293
78.5	195.222	202.964	204.249	190.527	184.681	191.661	202.417	200.434	192.954	184.831
79.0	183.190	190.963	192.740	179.565	176.654	180.041	191.114	188.337	181.032	173.869
79.5	171.641	179.454	181.460	170.681	169.301	170.245	180.207	176.876	169.578	162.907
80.0	160.266	168.269	170.118	163.003	162.765	162.273	169.404	165.247	158.124	151.945
80.5	148.447	157.101	158.672	155.642	157.101	154.769	158.140	154.000	146.671	140.975
81.0	137.343	145.806	146.742	149.082	151.525	147.884	146.750	143.014	135.233	130.013
81.5	126.428	134.915	134.947	143.228	145.790	141.951	135.344	132.163	124.921	119.845
82.0	115.744	124.350	124.461	137.398	140.127	136.145	124.405	121.598	114.062	109.414
82.5	104.853	113.848	115.609	131.322	134.392	130.053	114.237	111.246	103.766	99.372

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83.0	95.152	103.338	107.550	125.207	128.514	124.064	105.987	101.149	93.677	89.909
83.5	85.325	93.955	100.721	119.250	120.067	117.941	98.706	91.448	84.071	80.605
84.0	75.862	84.523	94.296	110.881	106.376	110.937	92.305	81.747	74.704	71.475
84.5	66.605	74.989	87.585	97.008	89.774	98.753	85.697	72.546	65.780	62.758
85.0	58.705	65.098	80.740	80.224	72.483	82.707	78.908	64.892	56.872	54.414
85.5	50.812	56.817	73.474	63.408	61.529	65.566	72.094	56.349	48.679	45.649
86.0	42.912	48.568	62.441	53.430	50.931	55.231	63.004	47.759	40.628	37.558
86.5	35.020	40.326	50.892	43.666	40.326	45.070	51.399	39.160	33.227	31.173
87.0	27.127	32.077	39.327	33.901	29.729	34.909	39.660	30.570	27.659	24.795
87.5	20.123	25.374	27.770	24.137	19.124	24.740	27.921	23.733	22.083	18.410
88.0	13.231	18.664	16.205	14.365	13.564	14.579	16.189	16.990	16.506	12.033
88.5	8.908	11.303	10.351	9.384	8.995	9.622	10.312	10.565	10.938	5.687
89.0	5.846	6.131	6.005	5.069	4.799	5.275	5.886	5.743	5.465	2.737
89.5	4.632	4.807	4.616	3.799	3.609	3.998	4.426	4.482	2.768	1.309
90.0	3.450	3.546	3.276	2.610	2.467	2.737	3.149	3.339	1.396	1.182
90.5	2.269	2.284	1.935	1.420	1.325	1.483	1.880	2.197	1.301	1.214
91.0	1.095	1.023	0.595	0.238	0.182	0.222	0.611	1.055	1.158	1.277
91.5	1.063	1.063	0.587	0.190	0.151	0.214	0.619	1.039	1.174	1.348
92.0	1.071	1.126	0.611	0.198	0.159	0.214	0.642	1.110	1.198	1.428
92.5	1.087	1.190	0.627	0.206	0.167	0.222	0.666	1.182	1.237	1.523
93.0	1.110	1.245	0.642	0.214	0.175	0.262	0.722	1.309	1.301	1.578
93.5	1.126	1.222	0.666	0.238	0.198	0.286	0.761	1.325	1.341	1.555
94.0	1.126	1.182	0.666	0.254	0.206	0.293	0.785	1.317	1.372	1.547
94.5	1.166	1.182	0.666	0.262	0.214	0.301	0.785	1.261	1.364	1.515
95.0	1.182	1.190	0.650	0.270	0.214	0.301	0.769	1.261	1.333	1.515
95.5	1.182	1.261	0.642	0.270	0.206	0.293	0.754	1.245	1.309	1.666
96.0	1.166	1.356	0.635	0.262	0.206	0.286	0.738	1.333	1.325	1.912
96.5	1.158	1.182	0.627	0.262	0.206	0.278	0.722	1.666	1.388	1.578
97.0	1.142	1.182	0.619	0.262	0.214	0.278	0.706	1.547	1.459	1.452
97.5	1.142	1.785	0.611	0.262	0.214	0.278	0.698	1.222	1.499	1.586
98.0	1.166	1.943	0.595	0.262	0.214	0.278	0.682	1.586	1.507	2.221
98.5	1.261	2.102	0.587	0.262	0.214	0.270	0.666	2.483	1.483	2.618
99.0	1.285	2.070	0.579	0.270	0.214	0.270	0.658	2.300	1.507	2.594
99.5	1.325	2.229	0.579	0.270	0.222	0.278	0.650	2.562	1.531	2.348
100.0	1.309	2.094	0.579	0.270	0.222	0.278	0.658	2.094	1.578	2.070
100.5	1.341	1.682	0.587	0.270	0.222	0.278	0.642	2.102	1.539	2.150
101.0	1.499	1.198	0.595	0.270	0.230	0.278	0.635	1.745	1.555	1.959
101.5	1.531	1.031	0.595	0.278	0.230	0.286	0.635	1.253	1.531	1.610
102.0	1.396	1.023	0.595	0.278	0.238	0.286	0.627	1.095	1.690	1.341
102.5	1.301	1.023	0.595	0.286	0.238	0.293	0.627	1.079	1.674	1.333
103.0	1.396	1.031	0.619	0.293	0.238	0.293	0.627	1.071	1.555	1.325
103.5	1.444	1.023	0.603	0.301	0.246	0.309	0.627	1.055	1.713	1.309
104.0	1.261	1.015	0.595	0.309	0.254	0.317	0.650	1.039	1.808	1.301
104.5	1.436	1.166	0.603	0.317	0.254	0.325	0.682	1.031	1.459	1.309
105.0	1.348	1.531	0.603	0.317	0.262	0.333	0.650	1.015	1.904	1.356
105.5	1.356	1.507	0.603	0.325	0.270	0.333	0.642	1.459	1.452	1.301
106.0	1.341	1.063	0.603	0.325	0.278	0.333	0.642	1.578	1.888	1.229
106.5	1.222	1.095	0.603	0.325	0.286	0.341	0.635	1.388	1.325	1.222
107.0	1.269	0.968	0.603	0.333	0.286	0.341	0.635	1.126	1.594	1.206
107.5	1.341	0.928	0.603	0.333	0.293	0.349	0.658	1.253	1.483	1.206
108.0	1.166	0.928	0.603	0.341	0.293	0.357	0.642	0.976	1.269	1.182
108.5	1.229	0.920	0.595	0.341	0.293	0.357	0.627	0.944	1.436	1.166
109.0	1.277	0.920	0.595	0.349	0.301	0.365	0.627	0.944	1.610	1.190
109.5	1.079	0.928	0.595	0.349	0.301	0.373	0.627	0.936	1.126	1.483
110.0	1.253	0.920	0.595	0.357	0.309	0.381	0.627	0.936	1.126	1.245
110.5	1.047	0.944	0.595	0.357	0.309	0.373	0.627	0.928	1.412	1.341

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111.0	1.269	0.928	0.595	0.365	0.317	0.381	0.619	0.928	1.444	1.436
111.5	1.007	1.063	0.595	0.373	0.317	0.381	0.619	0.960	1.071	1.142
112.0	1.071	1.095	0.595	0.373	0.325	0.389	0.619	0.928	1.063	1.071
112.5	1.079	0.944	0.595	0.373	0.325	0.389	0.619	1.023	1.118	1.063
113.0	1.206	0.888	0.587	0.373	0.333	0.389	0.619	0.999	1.483	1.047
113.5	1.039	0.880	0.587	0.381	0.333	0.397	0.619	0.920	1.134	1.031
114.0	0.888	0.976	0.587	0.381	0.341	0.397	0.619	0.904	0.968	1.023
114.5	0.888	0.952	0.587	0.389	0.349	0.405	0.619	0.912	0.952	1.023
115.0	1.214	0.880	0.587	0.389	0.349	0.405	0.619	1.023	0.968	1.031
115.5	1.007	0.873	0.595	0.397	0.357	0.412	0.619	0.944	1.039	1.047
116.0	1.150	0.865	0.595	0.397	0.365	0.412	0.627	0.896	1.253	0.999
116.5	0.928	0.857	0.603	0.397	0.365	0.420	0.627	0.888	1.023	0.968
117.0	0.912	0.857	0.603	0.405	0.373	0.420	0.635	0.880	0.952	0.976
117.5	0.888	0.849	0.603	0.405	0.381	0.428	0.635	0.880	1.015	0.976
118.0	0.865	0.849	0.611	0.405	0.389	0.428	0.642	0.880	0.920	0.936
118.5	0.944	0.849	0.611	0.412	0.389	0.436	0.642	0.880	0.912	0.928
119.0	0.944	0.849	0.642	0.420	0.397	0.444	0.642	0.880	0.920	0.960
119.5	1.007	0.865	0.865	0.420	0.405	0.444	0.650	0.873	0.928	1.055
120.0	0.992	0.849	0.952	0.428	0.412	0.452	0.690	0.865	0.992	0.912
120.5	0.873	0.841	0.722	0.428	0.420	0.452	0.952	0.857	0.912	0.880
121.0	0.865	0.849	0.650	0.436	0.420	0.460	1.015	0.849	0.896	0.873
121.5	0.865	0.984	0.658	0.444	0.428	0.468	0.809	0.841	0.888	0.873
122.0	0.865	0.920	0.658	0.452	0.436	0.476	0.690	0.841	0.888	0.865
122.5	0.865	0.833	0.650	0.460	0.436	0.484	0.682	0.833	0.888	0.857
123.0	0.865	0.817	0.650	0.468	0.444	0.484	0.690	0.833	0.888	0.857
123.5	0.873	0.817	0.658	0.468	0.452	0.492	0.690	0.912	0.888	0.857
124.0	0.873	0.809	0.666	0.476	0.460	0.500	0.698	0.841	0.888	0.857
124.5	0.873	0.809	0.674	0.484	0.460	0.508	0.706	0.825	0.888	0.857
125.0	0.873	0.809	0.682	0.492	0.476	0.508	0.706	0.825	0.896	0.857
125.5	0.873	0.888	0.682	0.492	0.476	0.516	0.714	0.825	0.896	0.896
126.0	0.865	0.952	0.682	0.500	0.484	0.516	0.714	0.825	0.888	1.079
126.5	0.857	0.825	0.682	0.508	0.492	0.524	0.714	0.920	0.888	0.976
127.0	0.857	0.809	0.690	0.516	0.492	0.531	0.714	1.063	0.888	0.849
127.5	0.849	0.809	0.690	0.524	0.500	0.539	0.714	0.873	0.888	0.841
128.0	0.849	0.809	0.690	0.531	0.508	0.539	0.754	0.825	0.880	0.841
128.5	0.849	0.809	0.698	0.539	0.516	0.547	0.738	0.825	0.873	0.841
129.0	0.841	0.809	0.698	0.547	0.524	0.555	0.722	0.817	0.873	0.841
129.5	0.841	0.809	0.698	0.555	0.531	0.563	0.722	0.825	0.873	0.841
130.0	0.841	0.801	0.698	0.555	0.531	0.571	0.722	0.833	0.873	0.841
130.5	0.841	0.801	0.690	0.563	0.531	0.571	0.722	0.833	0.873	0.833
131.0	0.841	0.801	0.690	0.571	0.547	0.579	0.714	0.849	0.880	0.833
131.5	0.841	0.801	0.690	0.579	0.555	0.579	0.706	0.857	0.888	0.841
132.0	0.841	0.809	0.690	0.579	0.563	0.587	0.706	0.865	0.888	0.849
132.5	0.841	0.857	0.690	0.587	0.571	0.587	0.706	0.865	0.888	0.865
133.0	0.841	0.896	0.690	0.587	0.571	0.587	0.698	0.873	0.896	0.888
133.5	0.841	0.865	0.690	0.587	0.579	0.587	0.698	0.873	0.896	0.896
134.0	0.849	0.865	0.690	0.595	0.579	0.587	0.690	0.873	0.904	0.865
134.5	0.849	0.865	0.690	0.595	0.587	0.587	0.690	0.873	0.904	0.865
135.0	0.857	0.865	0.682	0.595	0.595	0.587	0.690	0.873	0.912	0.873
135.5	0.857	0.865	0.674	0.595	0.595	0.587	0.682	0.873	0.912	0.873
136.0	0.865	0.865	0.666	0.595	0.587	0.587	0.674	0.865	0.912	0.880
136.5	0.873	0.865	0.666	0.603	0.587	0.595	0.666	0.865	0.904	0.880
137.0	0.880	0.865	0.666	0.603	0.587	0.587	0.666	0.865	0.904	0.873
137.5	0.880	0.865	0.658	0.611	0.587	0.595	0.658	0.857	0.904	0.873
138.0	0.880	0.865	0.650	0.619	0.595	0.595	0.635	0.857	0.896	0.873
138.5	0.880	0.865	0.642	0.619	0.595	0.587	0.627	0.849	0.896	0.865

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139.0	0.873	0.865	0.635	0.627	0.595	0.595	0.619	0.841	0.888	0.873
139.5	0.873	0.865	0.635	0.627	0.603	0.595	0.619	0.841	0.880	0.865
140.0	0.873	0.865	0.627	0.635	0.603	0.595	0.619	0.833	0.880	0.865
140.5	0.873	0.865	0.635	0.635	0.603	0.595	0.619	0.833	0.880	0.857
141.0	0.873	0.857	0.642	0.635	0.611	0.587	0.627	0.825	0.873	0.857
141.5	0.873	0.857	0.642	0.635	0.619	0.587	0.627	0.817	0.865	0.849
142.0	0.873	0.849	0.650	0.635	0.619	0.587	0.627	0.809	0.865	0.841
142.5	0.873	0.849	0.650	0.635	0.619	0.587	0.635	0.809	0.857	0.841
143.0	0.865	0.849	0.658	0.635	0.627	0.587	0.635	0.809	0.849	0.841
143.5	0.865	0.833	0.658	0.642	0.627	0.587	0.635	0.801	0.841	0.833
144.0	0.857	0.825	0.658	0.642	0.635	0.595	0.635	0.793	0.833	0.825
144.5	0.849	0.817	0.666	0.642	0.635	0.603	0.650	0.793	0.809	0.825
145.0	0.841	0.793	0.682	0.650	0.635	0.603	0.658	0.769	0.801	0.809
145.5	0.841	0.785	0.690	0.650	0.642	0.603	0.666	0.769	0.793	0.785
146.0	0.825	0.777	0.698	0.642	0.642	0.603	0.674	0.769	0.785	0.777
146.5	0.817	0.761	0.698	0.642	0.650	0.603	0.674	0.754	0.777	0.777
147.0	0.801	0.746	0.698	0.642	0.650	0.603	0.682	0.722	0.769	0.761
147.5	0.769	0.738	0.706	0.642	0.650	0.603	0.690	0.722	0.746	0.738
148.0	0.761	0.738	0.706	0.642	0.650	0.603	0.690	0.722	0.722	0.730
148.5	0.754	0.746	0.706	0.642	0.642	0.611	0.698	0.730	0.722	0.730
149.0	0.730	0.746	0.722	0.642	0.642	0.611	0.706	0.730	0.706	0.722
149.5	0.714	0.761	0.738	0.642	0.642	0.611	0.722	0.746	0.690	0.722
150.0	0.714	0.761	0.738	0.650	0.642	0.603	0.730	0.746	0.674	0.722
150.5	0.714	0.769	0.722	0.650	0.635	0.603	0.722	0.746	0.674	0.730
151.0	0.722	0.777	0.714	0.658	0.635	0.619	0.714	0.761	0.682	0.738
151.5	0.738	0.793	0.722	0.666	0.627	0.619	0.714	0.769	0.682	0.730
152.0	0.746	0.793	0.730	0.674	0.627	0.627	0.722	0.769	0.706	0.730
152.5	0.754	0.801	0.730	0.682	0.635	0.635	0.722	0.769	0.706	0.730
153.0	0.777	0.801	0.738	0.682	0.650	0.635	0.722	0.769	0.722	0.722
153.5	0.777	0.809	0.730	0.682	0.650	0.635	0.722	0.777	0.738	0.714
154.0	0.777	0.809	0.730	0.682	0.658	0.642	0.722	0.785	0.738	0.714
154.5	0.777	0.809	0.730	0.682	0.658	0.650	0.730	0.793	0.738	0.714
155.0	0.777	0.817	0.730	0.682	0.650	0.658	0.738	0.793	0.738	0.714
155.5	0.777	0.817	0.730	0.682	0.642	0.658	0.738	0.785	0.738	0.714
156.0	0.785	0.817	0.730	0.682	0.635	0.666	0.746	0.777	0.738	0.714
156.5	0.785	0.817	0.730	0.682	0.635	0.674	0.746	0.777	0.746	0.730
157.0	0.785	0.817	0.730	0.682	0.635	0.674	0.754	0.777	0.746	0.730
157.5	0.793	0.817	0.722	0.682	0.635	0.674	0.754	0.769	0.754	0.730
158.0	0.793	0.817	0.722	0.682	0.635	0.666	0.761	0.761	0.754	0.738
158.5	0.793	0.817	0.722	0.690	0.635	0.666	0.761	0.761	0.754	0.738
159.0	0.793	0.809	0.730	0.690	0.635	0.666	0.761	0.761	0.754	0.738
159.5	0.801	0.809	0.738	0.698	0.635	0.674	0.761	0.761	0.761	0.746
160.0	0.801	0.801	0.738	0.698	0.642	0.674	0.761	0.761	0.761	0.746
160.5	0.801	0.801	0.746	0.706	0.642	0.682	0.769	0.761	0.754	0.746
161.0	0.801	0.801	0.754	0.706	0.650	0.682	0.777	0.761	0.754	0.738
161.5	0.809	0.801	0.761	0.706	0.658	0.690	0.777	0.761	0.754	0.738
162.0	0.801	0.801	0.761	0.706	0.666	0.690	0.785	0.769	0.738	0.738
162.5	0.809	0.801	0.761	0.706	0.674	0.690	0.785	0.769	0.738	0.730
163.0	0.809	0.801	0.769	0.706	0.674	0.698	0.793	0.777	0.738	0.738
163.5	0.817	0.809	0.769	0.706	0.682	0.698	0.793	0.785	0.746	0.746
164.0	0.817	0.809	0.777	0.714	0.690	0.714	0.801	0.793	0.746	0.754
164.5	0.817	0.809	0.785	0.714	0.698	0.714	0.809	0.793	0.754	0.754
165.0	0.825	0.817	0.785	0.714	0.698	0.730	0.825	0.801	0.746	0.761
165.5	0.833	0.817	0.793	0.714	0.698	0.730	0.825	0.809	0.754	0.769
166.0	0.833	0.825	0.801	0.730	0.714	0.738	0.825	0.825	0.761	0.769
166.5	0.841	0.825	0.801	0.738	0.746	0.746	0.833	0.833	0.754	0.769

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167.0	0.841	0.825	0.809	0.738	0.777	0.754	0.841	0.833	0.761	0.777
167.5	0.849	0.833	0.817	0.730	0.761	0.761	0.849	0.841	0.769	0.777
168.0	0.857	0.841	0.833	0.738	0.730	0.769	0.849	0.849	0.777	0.785
168.5	0.865	0.849	0.833	0.746	0.714	0.769	0.857	0.857	0.801	0.801
169.0	0.865	0.849	0.825	0.754	0.714	0.769	0.857	0.857	0.801	0.801
169.5	0.865	0.857	0.833	0.754	0.722	0.777	0.857	0.857	0.809	0.809
170.0	0.865	0.857	0.833	0.754	0.730	0.777	0.849	0.857	0.817	0.817
170.5	0.865	0.849	0.825	0.754	0.754	0.777	0.849	0.849	0.825	0.825
171.0	0.873	0.849	0.825	0.754	0.801	0.777	0.849	0.841	0.849	0.849
171.5	0.873	0.841	0.833	0.761	0.825	0.777	0.849	0.841	0.857	0.857
172.0	0.873	0.841	0.833	0.761	0.793	0.777	0.857	0.833	0.857	0.857
172.5	0.873	0.841	0.841	0.761	0.738	0.777	0.857	0.833	0.857	0.857
173.0	0.880	0.857	0.849	0.761	0.730	0.785	0.857	0.833	0.857	0.857
173.5	0.888	0.873	0.857	0.777	0.746	0.793	0.857	0.841	0.857	0.857
174.0	0.896	0.880	0.873	0.785	0.754	0.793	0.857	0.841	0.857	0.857
174.5	0.896	0.896	0.888	0.801	0.769	0.793	0.857	0.841	0.857	0.857
175.0	0.896	0.896	0.896	0.809	0.777	0.793	0.857	0.841	0.857	0.857
175.5	0.896	0.896	0.896	0.809	0.777	0.793	0.857	0.841	0.857	0.857
176.0	0.888	0.896	0.896	0.809	0.793	0.785	0.849	0.833	0.849	0.849
176.5	0.880	0.888	0.896	0.809	0.801	0.785	0.841	0.833	0.849	0.849
177.0	0.880	0.888	0.896	0.809	0.809	0.785	0.833	0.833	0.841	0.849
177.5	0.873	0.880	0.888	0.809	0.809	0.793	0.833	0.825	0.841	0.841
178.0	0.865	0.880	0.888	0.825	0.817	0.793	0.833	0.825	0.841	0.841
178.5	0.857	0.873	0.880	0.833	0.833	0.793	0.825	0.817	0.841	0.841
179.0	0.849	0.873	0.880	0.841	0.849	0.801	0.833	0.817	0.841	0.841
179.5	0.849	0.873	0.880	0.849	0.865	0.801	0.833	0.809	0.841	0.841
180.0	0.849	0.849	0.849	0.849	0.849	0.849	0.849	0.849	0.849	0.849

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	1444.449	1444.449	1444.449	1444.449	1444.449	1444.449	1444.449
0.5	1444.219	1444.203	1443.561	1443.545	1444.227	1444.235	1444.465
1.0	1443.957	1443.521	1443.291	1443.307	1443.545	1443.775	1444.465
1.5	1443.093	1442.807	1442.165	1442.387	1442.855	1443.085	1444.013
2.0	1442.403	1441.728	1441.514	1441.681	1442.157	1442.617	1443.576
2.5	1441.482	1440.586	1440.372	1440.721	1441.229	1441.927	1443.116
3.0	1440.332	1439.420	1439.000	1439.214	1440.308	1441.221	1442.434
3.5	1439.166	1437.818	1437.612	1438.270	1439.142	1440.356	1441.514
4.0	1437.802	1436.668	1436.001	1436.239	1437.857	1439.222	1440.642
4.5	1436.200	1434.827	1434.169	1434.637	1436.255	1438.072	1439.936
5.0	1434.582	1432.979	1432.297	1433.011	1434.867	1436.684	1438.793
5.5	1433.051	1431.012	1430.132	1431.139	1433.217	1435.295	1437.413
6.0	1430.988	1428.728	1428.061	1429.085	1431.155	1433.899	1436.335
6.5	1429.140	1426.642	1425.967	1426.911	1429.291	1432.075	1434.748
7.0	1427.062	1424.333	1423.231	1424.381	1427.133	1430.338	1433.368
7.5	1424.770	1421.827	1421.113	1422.287	1424.857	1428.720	1431.298
8.0	1422.223	1419.265	1417.694	1419.328	1422.763	1426.665	1429.902
8.5	1419.820	1416.441	1415.315	1416.941	1420.217	1424.563	1427.752
9.0	1417.258	1413.419	1412.047	1413.467	1417.647	1422.231	1425.666
9.5	1414.498	1410.437	1408.612	1410.468	1414.847	1419.646	1423.397
10.0	1411.658	1407.248	1405.479	1407.494	1412.316	1417.123	1421.541
10.5	1408.906	1403.988	1402.822	1404.448	1409.326	1414.593	1418.599
11.0	1405.733	1400.268	1398.539	1400.593	1406.359	1412.078	1416.267
11.5	1402.465	1396.548	1394.255	1396.746	1403.282	1409.278	1413.482
12.0	1398.721	1392.835	1389.972	1392.891	1399.094	1406.248	1410.722

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CANDELA TABULATION - (Cont.)

12.5	1394.985	1389.115	1385.720	1389.036	1394.898	1403.456	1407.740
13.0	1391.249	1385.356	1382.421	1385.173	1390.710	1400.236	1404.781
13.5	1387.513	1380.668	1377.971	1380.969	1386.553	1397.024	1401.584
14.0	1383.769	1376.281	1373.220	1376.369	1384.499	1393.811	1398.348
14.5	1379.787	1371.720	1368.571	1371.824	1380.501	1390.591	1395.104
15.0	1375.583	1367.033	1363.788	1367.175	1376.234	1387.275	1391.677
15.5	1370.927	1362.099	1358.744	1362.472	1371.768	1382.452	1388.187
16.0	1366.366	1357.038	1353.572	1357.419	1367.318	1378.566	1384.531
16.5	1361.901	1351.898	1348.218	1352.184	1362.789	1374.354	1380.850
17.0	1357.070	1346.774	1342.999	1347.187	1358.030	1370.158	1376.900
17.5	1352.081	1341.531	1337.359	1341.864	1353.080	1365.890	1372.982
18.0	1347.107	1335.812	1331.751	1336.439	1348.202	1361.409	1368.579
18.5	1341.896	1330.220	1325.858	1330.879	1343.110	1356.816	1364.431
19.0	1336.526	1324.493	1320.004	1324.993	1337.668	1352.089	1360.108
19.5	1331.117	1318.766	1313.928	1319.250	1332.552	1347.464	1355.507
20.0	1325.747	1312.762	1307.757	1313.389	1327.135	1342.499	1351.097
20.5	1320.226	1306.567	1301.522	1307.368	1321.630	1337.407	1346.727
21.0	1314.404	1300.483	1295.288	1301.268	1315.760	1332.354	1341.658
21.5	1308.241	1294.042	1288.641	1294.812	1310.002	1327.182	1336.590
22.0	1302.379	1287.617	1281.938	1288.284	1304.251	1321.749	1331.822
22.5	1296.406	1280.939	1275.180	1281.748	1298.215	1316.133	1326.849
23.0	1290.211	1274.371	1268.581	1275.212	1291.956	1310.676	1321.519
23.5	1283.810	1267.629	1261.489	1268.470	1285.841	1305.052	1316.220
24.0	1277.464	1260.609	1254.382	1261.442	1279.400	1299.206	1310.589
24.5	1271.135	1253.589	1246.998	1254.485	1272.967	1293.202	1305.028
25.0	1264.178	1246.466	1239.906	1247.513	1266.272	1287.229	1299.476
25.5	1257.428	1239.272	1232.387	1240.343	1259.681	1281.185	1293.535
26.0	1250.686	1231.871	1224.907	1232.950	1252.899	1274.942	1287.554
26.5	1243.801	1224.606	1217.229	1225.581	1246.228	1268.684	1281.534
27.0	1236.631	1217.253	1209.781	1218.347	1239.026	1262.314	1275.275
27.5	1229.444	1209.487	1201.873	1210.503	1231.990	1255.731	1269.065
28.0	1222.297	1201.547	1193.988	1202.816	1224.923	1249.028	1262.814
28.5	1214.944	1194.028	1185.969	1195.226	1217.633	1242.246	1256.191
29.0	1207.361	1186.048	1177.958	1187.436	1210.114	1235.488	1249.996
29.5	1199.802	1178.108	1169.859	1179.250	1202.713	1228.643	1243.293
30.0	1192.441	1169.946	1161.641	1171.414	1195.313	1221.457	1236.393
30.5	1184.684	1161.887	1153.345	1163.196	1187.603	1214.437	1229.444
31.0	1176.657	1153.495	1144.841	1154.963	1179.584	1207.131	1222.504
31.5	1168.637	1145.159	1136.457	1146.523	1171.755	1199.763	1215.754
32.0	1160.785	1136.743	1128.049	1138.290	1164.045	1192.322	1208.694
32.5	1152.686	1128.517	1119.348	1129.882	1155.891	1184.906	1201.063
33.0	1144.532	1119.975	1110.655	1121.355	1147.752	1177.252	1194.163
33.5	1136.259	1111.051	1102.286	1112.709	1139.662	1169.613	1186.064
34.0	1127.875	1102.437	1093.434	1104.111	1131.484	1161.626	1178.291
34.5	1119.348	1093.791	1084.519	1095.259	1122.830	1153.805	1170.644
35.0	1110.892	1084.995	1075.349	1086.605	1114.509	1145.865	1163.553
35.5	1102.239	1076.015	1066.664	1077.610	1105.967	1137.631	1155.161
36.0	1093.712	1067.060	1057.566	1068.853	1097.472	1129.501	1147.308
36.5	1084.844	1058.351	1048.658	1060.144	1088.596	1121.299	1139.218
37.0	1075.714	1049.205	1039.132	1050.887	1079.997	1113.034	1131.246
37.5	1066.933	1039.846	1029.907	1041.678	1071.018	1104.436	1122.695
38.0	1058.145	1030.882	1020.634	1032.540	1062.055	1095.671	1114.494
38.5	1048.864	1021.594	1011.393	1023.522	1052.917	1087.200	1106.086
39.0	1039.735	1012.091	1001.732	1014.146	1044.153	1078.609	1097.662
39.5	1030.676	1002.700	992.309	1004.596	1034.936	1069.813	1088.842
40.0	1021.665	993.427	982.751	995.379	1025.750	1060.881	1079.767

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40.5	1011.988	984.099	973.288	986.098	1016.565	1051.894	1071.296
41.0	1002.637	974.113	963.199	976.390	1007.301	1042.947	1062.142
41.5	993.340	964.420	953.506	966.705	997.735	1033.674	1053.155
42.0	983.909	955.005	943.646	957.186	988.407	1024.569	1044.446
42.5	974.129	945.463	933.890	947.477	978.952	1015.447	1035.158
43.0	964.706	935.318	923.642	937.642	969.552	1006.000	1025.830
43.5	955.164	925.379	913.600	927.751	959.835	996.315	1016.470
44.0	945.383	915.575	903.653	917.867	950.230	986.868	1006.761
44.5	935.643	905.414	893.500	907.619	940.624	977.326	997.092
45.0	925.601	895.087	882.729	897.371	930.757	967.371	987.550
45.5	916.019	884.878	872.869	887.480	920.953	957.559	977.833
46.0	905.953	874.828	862.446	877.398	911.133	947.930	968.061
46.5	895.832	864.509	852.063	866.833	901.155	938.110	957.876
47.0	885.735	853.808	841.236	856.299	891.240	927.719	948.120
47.5	875.756	843.505	830.980	845.980	881.118	917.550	938.237
48.0	865.532	833.066	820.454	835.755	870.862	907.516	928.115
48.5	855.038	822.358	809.873	824.936	860.741	897.315	917.653
49.0	845.075	811.904	799.371	814.339	850.723	887.044	907.635
49.5	834.716	801.354	788.695	803.908	840.467	876.351	897.117
50.0	824.087	790.765	777.875	793.517	830.028	866.063	886.417
50.5	813.395	779.676	767.112	782.468	819.558	855.458	875.606
51.0	802.925	768.984	756.316	771.744	808.929	844.948	865.294
51.5	792.383	758.513	745.695	761.321	798.388	834.137	854.483
52.0	781.508	747.591	734.670	750.447	787.679	823.500	843.671
52.5	770.808	736.732	723.930	739.389	777.106	812.578	832.448
53.0	759.941	725.667	713.031	728.602	766.215	801.806	821.930
53.5	748.987	714.879	702.077	717.973	755.142	790.598	810.460
54.0	737.724	704.108	691.068	706.709	744.125	779.628	799.744
54.5	726.627	692.646	680.042	695.565	733.242	768.611	788.703
55.0	715.720	681.835	669.056	684.690	722.296	757.236	777.423
55.5	704.584	670.889	658.023	673.879	711.262	746.092	766.144
56.0	693.439	659.863	647.085	662.901	699.761	735.035	754.587
56.5	682.104	648.354	635.908	651.471	688.744	723.573	742.951
57.0	670.611	637.400	624.859	640.279	677.274	712.127	731.568
57.5	659.276	626.335	613.405	629.150	665.868	700.427	719.900
58.0	647.854	615.039	602.285	618.022	654.604	689.116	708.248
58.5	636.678	603.475	591.394	606.798	643.325	677.750	696.453
59.0	625.018	592.600	580.321	595.574	631.617	666.018	684.770
59.5	613.667	581.495	569.153	584.350	620.148	654.453	672.975
60.0	601.856	569.835	557.747	573.071	608.710	642.849	660.894
60.5	590.442	558.492	546.364	561.665	597.145	630.999	648.814
61.0	578.703	547.356	535.243	550.465	585.231	619.101	636.725
61.5	566.892	536.171	524.028	539.360	573.682	607.488	624.645
62.0	555.407	524.638	512.764	528.168	562.165	596.177	612.596
62.5	543.866	513.264	501.302	516.460	550.354	583.819	600.397
63.0	531.975	502.223	490.190	505.284	538.575	571.802	588.166
63.5	520.125	490.856	478.752	493.949	526.669	559.912	575.816
64.0	508.108	478.887	467.346	482.393	514.858	548.046	563.378
64.5	496.654	467.702	456.360	470.851	503.222	535.696	551.020
65.0	484.653	456.709	445.144	459.913	491.498	523.710	538.535
65.5	472.834	445.334	433.571	448.364	479.569	511.638	526.034
66.0	461.111	433.627	422.149	436.807	467.695	499.486	513.383
66.5	449.459	422.363	410.965	425.544	455.995	487.104	500.700
67.0	437.497	411.084	399.757	414.328	444.105	474.548	487.953
67.5	425.512	399.606	388.248	402.501	432.191	462.102	475.246
68.0	413.884	388.073	377.095	391.151	420.515	449.776	462.674

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68.5	402.271	377.111	366.165	380.276	408.617	437.204	449.951
69.0	390.120	365.649	354.973	368.909	396.608	424.338	436.831
69.5	378.158	354.172	343.820	357.146	384.559	411.671	423.902
70.0	366.538	342.781	332.414	346.192	372.796	399.360	411.163
70.5	354.917	331.811	321.508	335.079	361.152	386.423	398.393
71.0	342.797	320.556	310.506	323.879	348.976	373.597	385.575
71.5	331.193	309.641	299.615	312.703	337.277	361.533	372.336
72.0	319.850	298.418	288.582	301.789	325.688	348.548	359.581
72.5	308.023	287.606	277.739	290.747	313.996	336.015	346.676
73.0	296.197	276.478	266.817	279.706	301.963	323.364	333.715
73.5	284.521	265.548	256.029	268.625	290.398	310.950	320.770
74.0	273.368	254.570	245.305	257.901	279.064	298.330	308.039
74.5	261.994	243.925	234.280	247.193	267.626	285.893	294.991
75.0	250.556	233.114	223.421	236.334	256.267	273.583	282.419
75.5	239.427	221.993	212.522	225.412	245.027	261.463	269.775
76.0	228.299	211.158	201.481	214.489	233.605	249.279	257.013
76.5	217.115	200.172	190.836	203.607	222.691	237.159	244.258
77.0	206.303	189.099	181.310	192.597	211.531	225.380	232.051
77.5	195.452	178.494	173.314	181.627	200.680	213.466	219.677
78.0	184.824	168.785	166.294	171.617	189.733	201.727	207.438
78.5	174.044	161.710	160.290	164.002	179.557	190.209	195.222
79.0	163.264	154.626	154.285	156.395	168.761	178.890	183.190
79.5	152.485	147.551	148.281	148.788	157.958	167.881	171.641
80.0	141.705	140.515	142.292	141.213	147.162	156.863	160.266
80.5	130.957	134.693	136.946	135.899	136.359	145.846	148.447
81.0	120.836	129.014	131.433	130.172	125.579	134.844	137.343
81.5	112.325	123.422	125.905	124.294	115.609	124.271	126.428
82.0	104.980	117.854	120.170	118.671	107.542	113.816	115.744
82.5	97.762	111.825	111.794	112.904	99.975	103.608	104.853
83.0	91.448	103.132	96.866	106.535	92.971	93.756	95.152
83.5	85.039	89.124	80.565	95.232	86.594	84.047	85.325
84.0	78.836	73.054	63.742	79.725	80.280	74.759	75.862
84.5	72.015	56.182	48.718	62.782	73.847	65.732	66.605
85.0	61.830	41.778	36.717	46.981	67.311	57.079	58.705
85.5	48.821	30.919	30.625	34.726	56.508	49.226	50.812
86.0	40.184	25.390	24.534	28.635	42.952	40.445	42.912
86.5	31.553	19.862	18.442	22.543	35.099	33.053	35.020
87.0	22.923	14.333	12.350	16.451	27.238	27.191	27.127
87.5	14.293	8.805	6.346	10.359	19.386	21.329	20.123
88.0	5.973	3.435	2.935	4.363	11.533	15.467	13.231
88.5	2.570	1.229	1.055	1.690	3.887	9.606	8.908
89.0	0.968	0.436	0.397	0.508	1.459	3.918	5.846
89.5	0.761	0.405	0.365	0.412	0.769	1.594	4.632
90.0	0.777	0.412	0.365	0.428	0.769	1.134	3.450
90.5	0.809	0.420	0.373	0.436	0.809	1.134	2.269
91.0	0.833	0.436	0.389	0.452	0.841	1.190	1.095
91.5	0.849	0.444	0.397	0.460	0.873	1.277	1.063
92.0	0.880	0.468	0.420	0.492	0.904	1.364	1.071
92.5	0.944	0.508	0.436	0.516	0.944	1.428	1.087
93.0	0.976	0.531	0.460	0.524	0.968	1.491	1.110
93.5	0.984	0.563	0.484	0.547	0.976	1.523	1.126
94.0	0.976	0.579	0.492	0.555	0.984	1.539	1.126
94.5	0.968	0.571	0.500	0.555	0.984	1.459	1.166
95.0	0.952	0.571	0.508	0.563	0.976	1.459	1.182
95.5	0.944	0.571	0.516	0.563	0.960	1.507	1.182
96.0	0.936	0.571	0.524	0.571	0.960	1.499	1.166

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CANDELA TABULATION - (Cont.)

96.5	0.928	0.571	0.524	0.571	0.952	1.705	1.158
97.0	0.920	0.579	0.524	0.563	0.984	1.983	1.142
97.5	0.920	0.579	0.524	0.563	1.237	1.848	1.142
98.0	0.936	0.579	0.531	0.571	1.039	2.142	1.166
98.5	0.944	0.579	0.531	0.571	1.475	2.483	1.261
99.0	0.952	0.595	0.531	0.587	1.539	2.388	1.285
99.5	0.944	0.674	0.531	0.682	1.428	2.451	1.325
100.0	0.936	0.619	0.571	0.785	1.261	2.308	1.309
100.5	0.944	0.635	0.793	0.642	1.063	2.070	1.341
101.0	0.944	0.650	0.595	0.650	0.992	2.031	1.499
101.5	0.968	0.658	0.603	0.666	0.976	1.658	1.531
102.0	1.031	0.666	0.611	0.666	0.984	1.364	1.396
102.5	1.269	0.666	0.619	0.674	1.007	1.356	1.301
103.0	1.126	0.674	0.627	0.682	1.333	1.348	1.396
103.5	0.960	0.682	0.635	0.690	1.515	1.341	1.444
104.0	0.984	0.682	0.635	0.698	1.396	1.341	1.261
104.5	0.960	0.682	0.642	0.706	1.126	1.317	1.436
105.0	0.936	0.690	0.642	0.706	0.999	1.293	1.348
105.5	0.928	0.690	0.642	0.706	0.992	1.301	1.356
106.0	0.928	0.690	0.642	0.706	1.015	1.547	1.341
106.5	0.912	0.690	0.642	0.706	1.285	1.610	1.222
107.0	0.904	0.690	0.642	0.706	1.436	1.245	1.269
107.5	0.896	0.682	0.635	0.706	1.071	1.222	1.341
108.0	0.896	0.682	0.635	0.706	0.968	1.229	1.166
108.5	0.888	0.682	0.635	0.698	0.976	1.563	1.229
109.0	0.880	0.674	0.635	0.698	0.968	2.142	1.277
109.5	0.865	0.674	0.627	0.698	0.952	1.697	1.079
110.0	0.857	0.666	0.627	0.690	0.944	1.206	1.253
110.5	0.841	0.658	0.619	0.690	0.928	1.134	1.047
111.0	0.833	0.650	0.619	0.682	0.912	1.126	1.269
111.5	0.817	0.650	0.611	0.682	0.904	1.126	1.007
112.0	0.809	0.642	0.603	0.682	0.896	1.277	1.071
112.5	0.801	0.650	0.603	0.674	0.880	1.571	1.079
113.0	0.793	0.650	0.595	0.666	0.873	1.539	1.206
113.5	0.785	0.627	0.595	0.658	0.865	1.452	1.039
114.0	0.777	0.619	0.603	0.658	0.849	1.103	0.888
114.5	0.769	0.611	0.627	0.658	0.849	1.031	0.888
115.0	0.754	0.611	0.579	0.666	0.841	1.015	1.214
115.5	0.746	0.611	0.571	0.658	0.833	0.999	1.007
116.0	0.738	0.603	0.571	0.650	0.817	0.992	1.150
116.5	0.730	0.595	0.563	0.642	0.809	0.984	0.928
117.0	0.722	0.587	0.571	0.627	0.801	0.999	0.912
117.5	0.714	0.571	0.563	0.619	0.801	1.087	0.888
118.0	0.714	0.563	0.555	0.603	0.809	1.087	0.865
118.5	0.730	0.555	0.547	0.595	0.809	1.237	0.944
119.0	0.888	0.547	0.539	0.587	0.817	1.174	0.944
119.5	1.031	0.539	0.531	0.587	0.849	0.952	1.007
120.0	0.880	0.531	0.524	0.579	0.841	1.023	0.992
120.5	0.714	0.524	0.516	0.571	0.793	0.912	0.873
121.0	0.698	0.524	0.508	0.571	0.769	0.904	0.865
121.5	0.706	0.516	0.500	0.563	0.754	0.888	0.865
122.0	0.714	0.516	0.500	0.563	0.754	0.880	0.865
122.5	0.698	0.516	0.492	0.563	0.754	0.873	0.865
123.0	0.690	0.516	0.484	0.563	0.746	0.873	0.865
123.5	0.690	0.516	0.484	0.563	0.754	0.904	0.873
124.0	0.698	0.516	0.484	0.563	0.754	0.873	0.873

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CANDELA TABULATION - (Cont.)

124.5	0.706	0.516	0.492	0.563	0.761	0.849	0.873
125.0	0.706	0.524	0.492	0.563	0.761	0.841	0.873
125.5	0.706	0.524	0.500	0.563	0.754	0.841	0.873
126.0	0.706	0.524	0.508	0.563	0.754	0.841	0.865
126.5	0.706	0.524	0.508	0.571	0.754	0.833	0.857
127.0	0.706	0.531	0.516	0.571	0.754	0.833	0.857
127.5	0.706	0.531	0.524	0.579	0.754	0.825	0.849
128.0	0.706	0.539	0.531	0.579	0.746	0.825	0.849
128.5	0.706	0.547	0.539	0.587	0.746	0.825	0.849
129.0	0.706	0.547	0.547	0.595	0.746	0.849	0.841
129.5	0.706	0.555	0.555	0.603	0.746	0.912	0.841
130.0	0.706	0.563	0.563	0.611	0.746	0.849	0.841
130.5	0.706	0.563	0.571	0.611	0.754	0.817	0.841
131.0	0.706	0.571	0.587	0.619	0.754	0.817	0.841
131.5	0.706	0.579	0.595	0.627	0.754	0.817	0.841
132.0	0.706	0.579	0.603	0.627	0.754	0.825	0.841
132.5	0.706	0.579	0.611	0.635	0.754	0.841	0.841
133.0	0.706	0.587	0.619	0.642	0.754	0.873	0.841
133.5	0.706	0.595	0.627	0.642	0.746	0.992	0.841
134.0	0.706	0.603	0.635	0.650	0.746	0.999	0.849
134.5	0.706	0.603	0.635	0.658	0.746	0.880	0.849
135.0	0.698	0.611	0.642	0.666	0.738	0.857	0.857
135.5	0.698	0.619	0.650	0.674	0.738	0.857	0.857
136.0	0.698	0.627	0.658	0.682	0.730	0.849	0.865
136.5	0.698	0.635	0.666	0.682	0.722	0.849	0.873
137.0	0.690	0.635	0.674	0.690	0.714	0.849	0.880
137.5	0.674	0.642	0.682	0.706	0.714	0.849	0.880
138.0	0.674	0.650	0.690	0.706	0.706	0.841	0.880
138.5	0.674	0.650	0.698	0.714	0.690	0.841	0.880
139.0	0.674	0.650	0.698	0.722	0.690	0.841	0.873
139.5	0.674	0.650	0.714	0.722	0.690	0.841	0.873
140.0	0.674	0.650	0.714	0.730	0.698	0.841	0.873
140.5	0.682	0.650	0.722	0.730	0.706	0.849	0.873
141.0	0.690	0.658	0.730	0.730	0.714	0.841	0.873
141.5	0.698	0.658	0.730	0.730	0.722	0.841	0.873
142.0	0.698	0.658	0.738	0.730	0.722	0.833	0.873
142.5	0.698	0.658	0.738	0.730	0.730	0.825	0.873
143.0	0.714	0.666	0.746	0.730	0.730	0.817	0.865
143.5	0.714	0.666	0.746	0.730	0.730	0.809	0.865
144.0	0.730	0.674	0.746	0.730	0.730	0.801	0.857
144.5	0.730	0.674	0.746	0.722	0.730	0.785	0.849
145.0	0.730	0.682	0.746	0.722	0.738	0.761	0.841
145.5	0.738	0.682	0.746	0.722	0.738	0.754	0.841
146.0	0.738	0.674	0.746	0.722	0.738	0.738	0.825
146.5	0.738	0.674	0.754	0.714	0.746	0.706	0.817
147.0	0.738	0.674	0.754	0.714	0.761	0.698	0.801
147.5	0.746	0.674	0.754	0.706	0.769	0.698	0.769
148.0	0.761	0.682	0.754	0.714	0.769	0.706	0.761
148.5	0.769	0.682	0.746	0.714	0.769	0.706	0.754
149.0	0.769	0.690	0.738	0.714	0.785	0.714	0.730
149.5	0.769	0.690	0.738	0.714	0.793	0.714	0.714
150.0	0.777	0.690	0.738	0.722	0.777	0.730	0.714
150.5	0.785	0.682	0.738	0.722	0.769	0.738	0.714
151.0	0.785	0.682	0.738	0.730	0.769	0.746	0.722
151.5	0.777	0.682	0.738	0.730	0.769	0.746	0.738
152.0	0.777	0.690	0.738	0.730	0.769	0.761	0.746

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CANDELA TABULATION - (Cont.)

152.5	0.777	0.682	0.730	0.738	0.761	0.761	0.754
153.0	0.785	0.682	0.722	0.746	0.761	0.769	0.777
153.5	0.785	0.682	0.730	0.746	0.761	0.777	0.777
154.0	0.785	0.690	0.730	0.746	0.761	0.793	0.777
154.5	0.777	0.690	0.730	0.746	0.761	0.793	0.777
155.0	0.777	0.690	0.730	0.746	0.769	0.801	0.777
155.5	0.785	0.690	0.722	0.754	0.769	0.801	0.777
156.0	0.777	0.698	0.722	0.754	0.769	0.801	0.785
156.5	0.777	0.706	0.730	0.754	0.761	0.801	0.785
157.0	0.769	0.714	0.738	0.761	0.761	0.801	0.785
157.5	0.769	0.714	0.746	0.761	0.769	0.801	0.793
158.0	0.769	0.722	0.746	0.761	0.769	0.801	0.793
158.5	0.769	0.730	0.754	0.761	0.769	0.801	0.793
159.0	0.769	0.738	0.761	0.769	0.769	0.801	0.793
159.5	0.761	0.746	0.769	0.777	0.769	0.801	0.801
160.0	0.754	0.754	0.761	0.777	0.777	0.801	0.801
160.5	0.754	0.761	0.761	0.777	0.777	0.801	0.801
161.0	0.754	0.769	0.761	0.777	0.777	0.801	0.801
161.5	0.761	0.777	0.761	0.777	0.777	0.809	0.809
162.0	0.761	0.785	0.761	0.769	0.785	0.809	0.801
162.5	0.754	0.793	0.754	0.769	0.785	0.809	0.809
163.0	0.754	0.793	0.754	0.769	0.785	0.801	0.809
163.5	0.754	0.801	0.754	0.761	0.785	0.801	0.817
164.0	0.754	0.809	0.761	0.769	0.785	0.801	0.817
164.5	0.761	0.817	0.761	0.769	0.793	0.801	0.817
165.0	0.761	0.825	0.769	0.777	0.801	0.793	0.825
165.5	0.769	0.825	0.769	0.777	0.801	0.785	0.833
166.0	0.785	0.833	0.769	0.785	0.801	0.793	0.833
166.5	0.793	0.841	0.777	0.785	0.793	0.801	0.841
167.0	0.809	0.849	0.785	0.793	0.793	0.809	0.841
167.5	0.817	0.857	0.793	0.793	0.809	0.809	0.849
168.0	0.833	0.865	0.801	0.793	0.825	0.809	0.857
168.5	0.841	0.865	0.801	0.801	0.825	0.809	0.865
169.0	0.841	0.865	0.809	0.817	0.825	0.809	0.865
169.5	0.849	0.865	0.809	0.865	0.817	0.817	0.865
170.0	0.857	0.865	0.817	0.904	0.801	0.817	0.865
170.5	0.865	0.865	0.817	0.880	0.801	0.817	0.865
171.0	0.873	0.865	0.817	0.809	0.793	0.825	0.873
171.5	0.873	0.873	0.817	0.809	0.793	0.841	0.873
172.0	0.880	0.873	0.809	0.817	0.793	0.849	0.873
172.5	0.880	0.880	0.809	0.817	0.801	0.857	0.873
173.0	0.880	0.888	0.809	0.817	0.809	0.857	0.880
173.5	0.888	0.888	0.809	0.833	0.809	0.865	0.888
174.0	0.888	0.896	0.817	0.833	0.817	0.873	0.896
174.5	0.888	0.896	0.817	0.841	0.817	0.880	0.896
175.0	0.888	0.896	0.825	0.841	0.817	0.880	0.896
175.5	0.888	0.896	0.825	0.841	0.817	0.880	0.896
176.0	0.888	0.896	0.817	0.841	0.817	0.880	0.888
176.5	0.888	0.896	0.833	0.857	0.825	0.873	0.880
177.0	0.880	0.896	0.841	0.865	0.833	0.873	0.880
177.5	0.873	0.888	0.841	0.865	0.833	0.857	0.873
178.0	0.865	0.880	0.841	0.873	0.833	0.849	0.865
178.5	0.865	0.873	0.833	0.880	0.825	0.841	0.857
179.0	0.865	0.873	0.833	0.880	0.825	0.841	0.849
179.5	0.865	0.880	0.841	0.880	0.825	0.841	0.849
180.0	0.849	0.849	0.849	0.849	0.849	0.849	0.849

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	526.83	N.A.	13.00
0-30	1115.54	N.A.	27.40
0-40	1821.47	N.A.	44.80
0-60	3207.23	N.A.	78.90
0-80	3986.74	N.A.	98.10
0-90	4060.21	N.A.	99.90
10-90	3923.65	N.A.	96.50
20-40	1294.64	N.A.	31.80
20-50	2023.89	N.A.	49.80
40-70	1884.03	N.A.	46.30
60-80	779.51	N.A.	19.20
70-80	281.24	N.A.	6.90
80-90	73.47	N.A.	1.80
90-110	1.99	N.A.	0.00
90-120	2.74	N.A.	0.10
90-130	3.37	N.A.	0.10
90-150	4.39	N.A.	0.10
90-180	5.03	N.A.	0.10
110-180	3.03	N.A.	0.10
0-180	4065.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.57
10-20	390.27
20-30	588.70
30-40	705.94
40-50	729.25
50-60	656.51
60-70	498.27
70-80	281.24
80-90	73.47
90-100	1.04
100-110	0.95
110-120	0.75
120-130	0.63
130-140	0.56
140-150	0.46
150-160	0.34
160-170	0.22
170-180	0.08

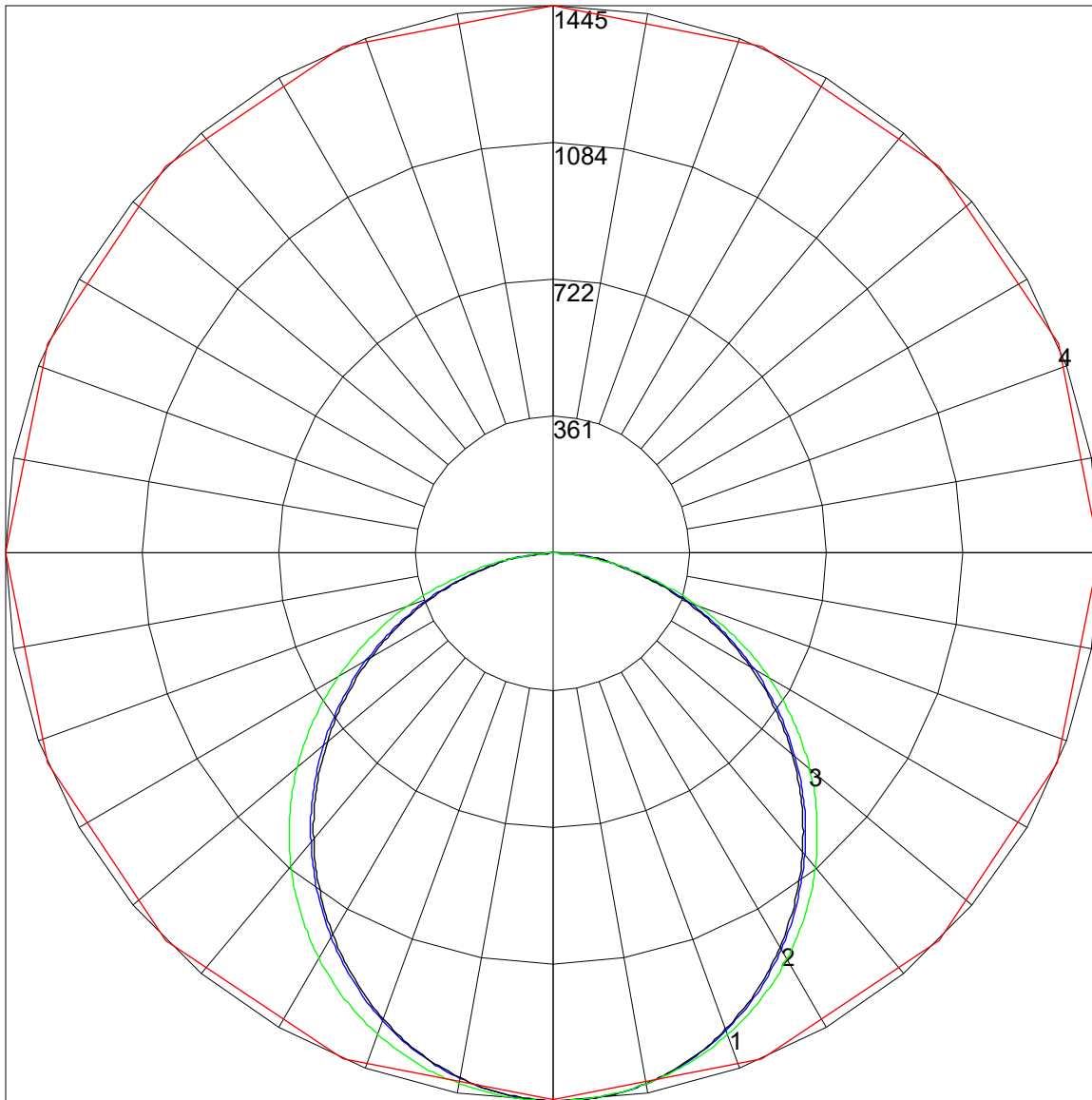
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LVL24L-40.IES

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

POLAR GRAPH



Maximum Candela = 1444.901 Located At Horizontal Angle = 67.5, Vertical Angle = 1.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (1.5) (Through Max. Cd.)