



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LVL22H-40.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995

[TEST]

[TESTLAB] LEADING TESTING LABORATORIES

[TESTDATE] 2018-03-20

[ISSUEDATE] 2018-03-20 10:28:13

[LUMCAT] LVL22H-40

[LUMINAIRE] 2x2 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] (2)LED Board with 56 chip array 4000K

[NEARFIELD]

[LAMPPOSITION] 0,0

[MANUFAC] LAMAR LIGHTING CO., INC.

[\_SEARCH\_SOURCE] LED

[\_SEARCH\_APPLICATION] Indoor

[\_SEARCH\_MOUNTING] Recessed

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 3814            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 118             |
| Total Luminaire Watts           | 32.2            |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 1.22            |
| Spacing Criterion (90-270)      | 1.24            |
| Spacing Criterion (Diagonal)    | 1.34            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 1.81 ft         |
| Luminous Width (90-270)         | 1.79 ft         |
| Luminous Height                 | 0.00 ft         |

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**LUMINANCE DATA (cd/sq.m)**

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 4107             | 4194              | 4278              |
| 55                  | 3855             | 3979              | 4086              |
| 65                  | 3484             | 3649              | 3817              |
| 75                  | 2827             | 3100              | 3319              |
| 85                  | 1369             | 2187              | 2716              |

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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  | 1408.808   | 1408.808    | 1408.808    | 1408.808    | 1408.808    | 1408.808     | 1408.808     | 1408.808     | 1408.808     | 1408.808     |
| 0.5  | 1408.701   | 1408.784    | 1408.949    | 1409.020    | 1409.103    | 1409.020     | 1409.032     | 1408.985     | 1408.867     | 1408.642     |
| 1.0  | 1408.406   | 1408.571    | 1408.926    | 1409.068    | 1409.280    | 1409.186     | 1409.138     | 1409.020     | 1408.689     | 1408.394     |
| 1.5  | 1407.862   | 1408.229    | 1408.713    | 1409.032    | 1409.280    | 1409.197     | 1409.103     | 1408.855     | 1408.465     | 1407.933     |
| 2.0  | 1407.118   | 1407.733    | 1408.359    | 1408.760    | 1409.044    | 1409.068     | 1408.938     | 1408.571     | 1408.040     | 1407.331     |
| 2.5  | 1406.220   | 1407.000    | 1407.827    | 1408.418    | 1408.760    | 1408.749     | 1408.524     | 1408.052     | 1407.449     | 1406.516     |
| 3.0  | 1405.204   | 1406.138    | 1407.071    | 1407.803    | 1408.241    | 1408.264     | 1407.992     | 1407.449     | 1406.681     | 1405.571     |
| 3.5  | 1403.988   | 1405.086    | 1406.268    | 1407.165    | 1407.650    | 1407.638     | 1407.366     | 1406.669     | 1405.689     | 1404.413     |
| 4.0  | 1402.570   | 1403.881    | 1405.169    | 1406.173    | 1406.835    | 1406.787     | 1406.528     | 1405.712     | 1404.720     | 1403.220     |
| 4.5  | 1401.164   | 1402.546    | 1404.035    | 1405.216    | 1405.925    | 1405.913     | 1405.405     | 1404.519     | 1403.385     | 1401.814     |
| 5.0  | 1399.557   | 1401.046    | 1402.676    | 1404.058    | 1404.909    | 1404.755     | 1404.283     | 1403.208     | 1401.861     | 1400.278     |
| 5.5  | 1397.667   | 1399.392    | 1401.199    | 1402.700    | 1403.550    | 1403.550     | 1402.972     | 1401.707     | 1400.231     | 1398.506     |
| 6.0  | 1395.718   | 1397.608    | 1399.616    | 1401.270    | 1402.156    | 1402.145     | 1401.471     | 1400.148     | 1398.529     | 1396.616     |
| 6.5  | 1393.591   | 1395.600    | 1397.821    | 1399.652    | 1400.680    | 1400.621     | 1399.829     | 1398.364     | 1396.698     | 1394.572     |
| 7.0  | 1391.347   | 1393.438    | 1395.848    | 1397.903    | 1398.931    | 1398.907     | 1398.104     | 1396.509     | 1394.619     | 1392.398     |
| 7.5  | 1388.996   | 1391.193    | 1393.674    | 1395.871    | 1397.076    | 1397.124     | 1396.131     | 1394.418     | 1392.481     | 1390.082     |
| 8.0  | 1386.444   | 1388.771    | 1391.453    | 1393.792    | 1395.080    | 1395.080     | 1393.981     | 1392.185     | 1390.130     | 1387.578     |
| 8.5  | 1383.809   | 1386.184    | 1389.090    | 1391.429    | 1392.894    | 1392.953     | 1391.725     | 1389.763     | 1387.519     | 1384.967     |
| 9.0  | 1380.986   | 1383.478    | 1386.503    | 1389.078    | 1390.508    | 1390.661     | 1389.279     | 1387.259     | 1384.825     | 1382.214     |
| 9.5  | 1377.997   | 1380.643    | 1383.821    | 1386.562    | 1388.086    | 1388.251     | 1386.775     | 1384.636     | 1382.132     | 1379.296     |
| 10.0 | 1374.937   | 1377.630    | 1381.009    | 1383.786    | 1385.416    | 1385.558     | 1384.116     | 1381.860     | 1379.178     | 1376.189     |
| 10.5 | 1371.570   | 1374.441    | 1377.949    | 1380.879    | 1382.510    | 1382.675     | 1381.163     | 1378.835     | 1376.095     | 1372.952     |
| 11.0 | 1368.120   | 1371.192    | 1374.807    | 1377.819    | 1379.568    | 1379.828     | 1378.162     | 1375.717     | 1372.964     | 1369.609     |
| 11.5 | 1364.529   | 1367.778    | 1371.641    | 1374.571    | 1376.579    | 1376.803     | 1375.043     | 1372.456     | 1369.597     | 1366.124     |
| 12.0 | 1360.866   | 1364.281    | 1368.191    | 1371.180    | 1373.318    | 1373.484     | 1371.783     | 1368.994     | 1365.970     | 1362.414     |
| 12.5 | 1357.039   | 1360.595    | 1364.564    | 1367.719    | 1369.975    | 1370.105     | 1368.286     | 1365.438     | 1362.390     | 1358.504     |
| 13.0 | 1353.175   | 1356.720    | 1360.925    | 1364.092    | 1366.513    | 1366.620     | 1364.789     | 1361.705     | 1358.598     | 1354.558     |
| 13.5 | 1349.159   | 1352.809    | 1356.956    | 1360.382    | 1362.851    | 1362.969     | 1360.996     | 1357.901     | 1354.699     | 1350.765     |
| 14.0 | 1344.941   | 1348.769    | 1352.951    | 1356.448    | 1358.929    | 1359.071     | 1357.299     | 1353.861     | 1350.647     | 1346.560     |
| 14.5 | 1340.700   | 1344.622    | 1348.804    | 1352.408    | 1355.160    | 1355.267     | 1353.152     | 1349.785     | 1346.465     | 1342.212     |
| 15.0 | 1336.175   | 1340.345    | 1344.610    | 1348.284    | 1351.191    | 1351.309     | 1349.041     | 1345.626     | 1342.094     | 1337.664     |
| 15.5 | 1331.721   | 1335.844    | 1340.204    | 1344.008    | 1346.973    | 1346.985     | 1344.788     | 1341.291     | 1337.605     | 1333.127     |
| 16.0 | 1327.007   | 1331.296    | 1335.620    | 1339.589    | 1342.531    | 1342.649     | 1340.617     | 1336.872     | 1333.021     | 1328.390     |
| 16.5 | 1322.246   | 1326.641    | 1331.095    | 1335.029    | 1338.420    | 1338.361     | 1335.880     | 1332.359     | 1328.307     | 1323.404     |
| 17.0 | 1317.296   | 1321.821    | 1326.346    | 1330.398    | 1333.860    | 1333.907     | 1331.308     | 1327.669     | 1323.522     | 1318.549     |
| 17.5 | 1312.181   | 1316.765    | 1321.372    | 1325.637    | 1329.099    | 1329.087     | 1326.488     | 1322.766     | 1318.466     | 1313.575     |
| 18.0 | 1306.770   | 1311.661    | 1316.304    | 1320.687    | 1324.231    | 1324.160     | 1321.561     | 1317.733     | 1313.516     | 1308.294     |
| 18.5 | 1301.607   | 1306.439    | 1311.318    | 1315.678    | 1319.352    | 1319.246     | 1316.564     | 1312.653     | 1308.093     | 1302.730     |
| 19.0 | 1296.090   | 1301.170    | 1306.026    | 1310.586    | 1314.437    | 1314.189     | 1311.378     | 1307.361     | 1302.635     | 1297.378     |
| 19.5 | 1290.431   | 1295.606    | 1300.580    | 1305.411    | 1309.027    | 1308.849     | 1305.967     | 1301.950     | 1297.106     | 1291.766     |
| 20.0 | 1284.725   | 1289.912    | 1295.086    | 1300.060    | 1303.769    | 1303.498     | 1300.603     | 1296.456     | 1291.636     | 1286.107     |
| 20.5 | 1279.043   | 1284.264    | 1289.486    | 1294.531    | 1298.406    | 1297.980     | 1295.027     | 1290.857     | 1285.883     | 1280.354     |
| 21.0 | 1272.970   | 1278.357    | 1283.626    | 1288.931    | 1292.771    | 1292.333     | 1289.321     | 1284.938     | 1279.929     | 1274.223     |
| 21.5 | 1266.910   | 1272.332    | 1277.649    | 1283.024    | 1287.289    | 1286.627     | 1283.485     | 1279.220     | 1273.951     | 1268.103     |
| 22.0 | 1260.743   | 1266.425    | 1271.730    | 1277.093    | 1281.382    | 1280.933     | 1277.554     | 1273.207     | 1267.985     | 1261.901     |
| 22.5 | 1254.635   | 1260.188    | 1265.728    | 1271.340    | 1275.522    | 1274.979     | 1271.635     | 1267.111     | 1261.688     | 1255.639     |
| 23.0 | 1248.102   | 1253.808    | 1259.361    | 1265.256    | 1269.438    | 1268.741     | 1265.575     | 1260.707     | 1255.462     | 1249.200     |
| 23.5 | 1241.687   | 1247.464    | 1253.123    | 1258.959    | 1263.389    | 1262.657     | 1259.207     | 1254.540     | 1248.964     | 1242.715     |
| 24.0 | 1235.118   | 1240.872    | 1246.613    | 1252.508    | 1257.092    | 1256.431     | 1252.792     | 1248.173     | 1242.573     | 1236.075     |
| 24.5 | 1228.325   | 1234.138    | 1240.092    | 1246.105    | 1250.618    | 1249.980     | 1246.377     | 1241.462     | 1235.744     | 1229.388     |
| 25.0 | 1221.461   | 1227.427    | 1233.405    | 1239.501    | 1244.168    | 1243.423     | 1239.797     | 1234.764     | 1228.975     | 1222.418     |
| 25.5 | 1214.704   | 1220.670    | 1226.671    | 1232.909    | 1237.717    | 1236.796     | 1233.098     | 1228.065     | 1222.241     | 1215.472     |
| 26.0 | 1207.769   | 1213.723    | 1219.914    | 1226.021    | 1230.960    | 1230.097     | 1226.305     | 1221.071     | 1215.377     | 1208.596     |
| 26.5 | 1200.645   | 1206.576    | 1212.778    | 1219.146    | 1223.954    | 1223.151     | 1219.370     | 1214.066     | 1208.241     | 1201.460     |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 27.0 | 1193.320 | 1199.475 | 1205.725 | 1212.152 | 1217.244 | 1216.275 | 1212.294 | 1206.954 | 1201.129 | 1194.041 |
| 27.5 | 1186.161 | 1192.151 | 1198.577 | 1205.075 | 1210.202 | 1209.234 | 1205.241 | 1199.806 | 1193.946 | 1186.834 |
| 28.0 | 1178.730 | 1184.826 | 1191.288 | 1197.751 | 1203.090 | 1202.098 | 1198.058 | 1192.316 | 1186.492 | 1179.344 |
| 28.5 | 1171.145 | 1177.230 | 1183.999 | 1190.473 | 1195.908 | 1194.714 | 1190.745 | 1185.169 | 1179.096 | 1171.665 |
| 29.0 | 1163.443 | 1169.905 | 1176.544 | 1183.113 | 1188.606 | 1187.555 | 1183.219 | 1177.596 | 1171.453 | 1164.022 |
| 29.5 | 1156.000 | 1162.096 | 1169.042 | 1175.788 | 1181.187 | 1180.100 | 1175.788 | 1169.988 | 1163.655 | 1156.425 |
| 30.0 | 1148.226 | 1154.499 | 1161.304 | 1168.097 | 1173.579 | 1172.457 | 1168.251 | 1162.309 | 1156.023 | 1148.687 |
| 30.5 | 1140.382 | 1146.549 | 1153.413 | 1160.312 | 1166.101 | 1164.695 | 1160.442 | 1154.381 | 1148.191 | 1140.606 |
| 31.0 | 1132.395 | 1138.787 | 1145.592 | 1152.527 | 1158.398 | 1157.169 | 1152.656 | 1146.631 | 1140.169 | 1132.762 |
| 31.5 | 1124.291 | 1130.588 | 1137.735 | 1144.647 | 1148.699 | 1149.219 | 1144.706 | 1138.645 | 1132.218 | 1124.598 |
| 32.0 | 1116.246 | 1122.661 | 1129.785 | 1136.731 | 1142.721 | 1141.504 | 1136.778 | 1130.482 | 1123.996 | 1116.364 |
| 32.5 | 1108.118 | 1114.521 | 1121.515 | 1128.780 | 1134.947 | 1133.447 | 1128.721 | 1122.460 | 1115.809 | 1108.177 |
| 33.0 | 1099.777 | 1106.298 | 1113.387 | 1120.794 | 1126.878 | 1125.461 | 1120.652 | 1114.202 | 1107.551 | 1100.049 |
| 33.5 | 1091.188 | 1097.863 | 1105.105 | 1112.595 | 1118.798 | 1117.214 | 1112.229 | 1105.779 | 1099.493 | 1091.578 |
| 34.0 | 1082.788 | 1089.558 | 1096.859 | 1104.113 | 1110.587 | 1108.945 | 1103.876 | 1097.284 | 1090.763 | 1082.871 |
| 34.5 | 1074.247 | 1080.957 | 1088.377 | 1095.878 | 1102.376 | 1100.651 | 1095.595 | 1088.885 | 1082.139 | 1074.129 |
| 35.0 | 1065.658 | 1072.475 | 1079.752 | 1087.514 | 1094.106 | 1092.405 | 1087.219 | 1080.355 | 1073.444 | 1065.776 |
| 35.5 | 1056.798 | 1063.839 | 1071.305 | 1079.126 | 1085.884 | 1083.899 | 1078.701 | 1071.778 | 1064.914 | 1056.845 |
| 36.0 | 1048.044 | 1055.262 | 1062.740 | 1070.620 | 1077.389 | 1075.310 | 1069.687 | 1063.095 | 1056.089 | 1048.103 |
| 36.5 | 1039.077 | 1046.177 | 1053.951 | 1061.996 | 1068.671 | 1066.698 | 1061.204 | 1054.199 | 1047.228 | 1039.136 |
| 37.0 | 1030.051 | 1037.222 | 1044.925 | 1053.383 | 1060.200 | 1058.038 | 1052.474 | 1045.338 | 1038.297 | 1030.193 |
| 37.5 | 1021.049 | 1028.314 | 1036.218 | 1044.665 | 1051.670 | 1049.260 | 1043.542 | 1036.336 | 1029.094 | 1021.084 |
| 38.0 | 1012.034 | 1019.324 | 1027.298 | 1035.981 | 1043.058 | 1040.660 | 1034.422 | 1027.227 | 1020.115 | 1011.987 |
| 38.5 | 1002.701 | 1010.144 | 1018.272 | 1027.038 | 1033.985 | 1031.882 | 1025.538 | 1018.249 | 1011.030 | 1002.926 |
| 39.0 | 993.498  | 1001.154 | 1009.034 | 1017.989 | 1025.183 | 1022.856 | 1016.488 | 1009.152 | 1001.744 | 993.569  |
| 39.5 | 984.023  | 991.738  | 1000.114 | 1009.069 | 1016.453 | 1013.913 | 1007.415 | 999.972  | 992.541  | 984.201  |
| 40.0 | 974.773  | 982.287  | 990.864  | 1000.102 | 1007.474 | 1005.029 | 998.259  | 990.391  | 983.019  | 974.809  |
| 40.5 | 965.216  | 972.954  | 981.566  | 991.147  | 998.153  | 995.908  | 989.139  | 981.094  | 973.710  | 965.475  |
| 41.0 | 955.575  | 963.526  | 972.032  | 981.590  | 989.044  | 986.528  | 979.475  | 971.701  | 964.200  | 955.812  |
| 41.5 | 945.947  | 954.028  | 962.935  | 972.410  | 980.101  | 977.431  | 970.331  | 962.321  | 954.654  | 946.183  |
| 42.0 | 936.578  | 944.258  | 953.437  | 963.325  | 970.851  | 968.394  | 961.010  | 952.563  | 944.943  | 936.708  |
| 42.5 | 926.726  | 934.605  | 944.175  | 953.945  | 961.459  | 958.954  | 951.429  | 942.923  | 935.409  | 927.104  |
| 43.0 | 917.133  | 924.835  | 934.535  | 944.517  | 952.114  | 949.468  | 941.706  | 933.412  | 925.615  | 917.322  |
| 43.5 | 906.890  | 915.030  | 924.835  | 934.830  | 942.568  | 939.922  | 932.160  | 923.548  | 915.821  | 907.421  |
| 44.0 | 897.214  | 905.177  | 914.770  | 925.379  | 933.117  | 930.482  | 922.402  | 913.825  | 905.897  | 897.604  |
| 44.5 | 887.090  | 895.170  | 905.673  | 915.821  | 923.571  | 920.771  | 912.761  | 903.901  | 895.891  | 887.527  |
| 45.0 | 877.449  | 885.412  | 895.891  | 906.240  | 913.955  | 911.273  | 903.050  | 894.131  | 885.861  | 877.414  |
| 45.5 | 867.088  | 875.453  | 886.038  | 896.198  | 904.137  | 901.704  | 893.493  | 884.148  | 875.914  | 867.502  |
| 46.0 | 857.117  | 865.305  | 875.996  | 886.593  | 894.391  | 891.945  | 883.215  | 874.130  | 866.002  | 857.649  |
| 46.5 | 846.934  | 854.967  | 866.309  | 876.611  | 884.443  | 881.868  | 873.338  | 863.840  | 855.546  | 847.525  |
| 47.0 | 836.927  | 844.890  | 856.137  | 866.699  | 874.118  | 871.755  | 863.367  | 853.727  | 845.315  | 837.246  |
| 47.5 | 826.401  | 834.706  | 846.249  | 856.858  | 864.218  | 862.091  | 853.680  | 843.650  | 835.179  | 827.015  |
| 48.0 | 816.300  | 824.570  | 836.278  | 846.556  | 854.459  | 852.085  | 843.661  | 833.454  | 824.924  | 816.773  |
| 48.5 | 806.022  | 814.209  | 826.200  | 836.408  | 844.264  | 841.948  | 833.525  | 823.034  | 814.422  | 806.294  |
| 49.0 | 795.720  | 803.671  | 815.887  | 826.389  | 833.690  | 831.812  | 823.259  | 812.673  | 804.084  | 796.181  |
| 49.5 | 785.064  | 793.416  | 805.620  | 816.087  | 823.471  | 821.416  | 813.228  | 802.230  | 793.700  | 785.997  |
| 50.0 | 774.786  | 782.973  | 795.448  | 805.573  | 813.512  | 810.972  | 802.974  | 791.668  | 782.961  | 775.306  |
| 50.5 | 764.094  | 772.411  | 785.064  | 795.165  | 803.139  | 800.623  | 792.743  | 781.047  | 772.399  | 764.567  |
| 51.0 | 753.757  | 762.003  | 774.703  | 784.887  | 792.778  | 790.191  | 782.429  | 770.816  | 761.908  | 754.099  |
| 51.5 | 743.148  | 751.548  | 764.378  | 774.242  | 782.358  | 779.925  | 771.950  | 759.959  | 750.992  | 743.750  |
| 52.0 | 732.562  | 740.348  | 753.863  | 763.763  | 771.785  | 769.186  | 761.660  | 749.303  | 740.277  | 732.917  |
| 52.5 | 721.729  | 730.070  | 743.195  | 753.414  | 761.200  | 758.754  | 751.323  | 738.458  | 729.668  | 722.426  |
| 53.0 | 710.978  | 719.461  | 732.610  | 742.628  | 750.602  | 748.157  | 740.466  | 727.872  | 718.929  | 711.699  |
| 53.5 | 700.239  | 708.698  | 721.954  | 731.795  | 740.112  | 737.276  | 729.893  | 716.838  | 707.978  | 700.901  |
| 54.0 | 689.477  | 697.510  | 711.262  | 721.256  | 729.243  | 726.797  | 719.378  | 706.241  | 697.097  | 690.068  |
| 54.5 | 678.738  | 687.067  | 700.535  | 710.565  | 718.539  | 715.987  | 708.887  | 695.372  | 686.039  | 681.869  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LVL22H-40.IES**

**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 55.0 | 667.940 | 676.351 | 689.560 | 700.062 | 708.013 | 705.414 | 698.113 | 684.444 | 675.335 | 675.087 |
| 55.5 | 656.847 | 665.483 | 678.785 | 689.052 | 697.357 | 694.380 | 687.185 | 673.185 | 664.136 | 661.466 |
| 56.0 | 645.989 | 654.909 | 667.763 | 678.171 | 686.382 | 683.546 | 676.292 | 662.316 | 653.409 | 647.159 |
| 56.5 | 635.073 | 647.324 | 656.917 | 667.396 | 675.465 | 673.020 | 665.364 | 651.318 | 642.150 | 635.522 |
| 57.0 | 624.086 | 637.247 | 645.942 | 656.551 | 664.691 | 661.915 | 654.295 | 640.059 | 631.033 | 624.583 |
| 57.5 | 612.958 | 625.055 | 634.672 | 645.387 | 653.739 | 650.857 | 643.449 | 628.776 | 619.656 | 613.442 |
| 58.0 | 601.746 | 612.272 | 623.649 | 634.695 | 642.941 | 639.976 | 632.238 | 618.085 | 608.823 | 602.620 |
| 58.5 | 590.771 | 600.092 | 612.603 | 623.756 | 632.108 | 629.426 | 621.097 | 606.921 | 597.493 | 591.421 |
| 59.0 | 579.713 | 588.396 | 601.557 | 612.686 | 620.908 | 618.297 | 609.780 | 595.402 | 586.329 | 580.292 |
| 59.5 | 568.667 | 577.161 | 590.145 | 601.486 | 609.685 | 606.826 | 598.485 | 584.120 | 575.046 | 569.494 |
| 60.0 | 557.633 | 566.210 | 579.429 | 590.617 | 598.745 | 596.004 | 587.427 | 572.955 | 563.870 | 558.271 |
| 60.5 | 546.327 | 555.199 | 568.856 | 579.488 | 587.959 | 585.136 | 576.086 | 561.862 | 552.458 | 547.000 |
| 61.0 | 534.962 | 543.857 | 558.731 | 568.454 | 576.854 | 574.030 | 565.028 | 550.556 | 541.128 | 535.848 |
| 61.5 | 523.738 | 532.811 | 548.146 | 557.384 | 565.406 | 562.677 | 553.356 | 539.026 | 529.834 | 524.813 |
| 62.0 | 512.562 | 521.848 | 537.313 | 546.279 | 554.360 | 551.773 | 541.991 | 527.767 | 518.705 | 513.791 |
| 62.5 | 501.481 | 511.050 | 524.991 | 535.115 | 543.314 | 540.467 | 530.697 | 516.414 | 507.080 | 502.544 |
| 63.0 | 489.962 | 501.930 | 512.350 | 523.975 | 532.209 | 529.362 | 519.627 | 505.096 | 495.621 | 491.356 |
| 63.5 | 478.467 | 494.227 | 500.122 | 512.728 | 521.009 | 518.127 | 507.931 | 493.872 | 484.232 | 480.227 |
| 64.0 | 467.374 | 485.166 | 488.733 | 501.599 | 509.786 | 507.187 | 496.294 | 482.448 | 472.891 | 468.839 |
| 64.5 | 456.304 | 473.411 | 477.120 | 490.305 | 498.480 | 495.822 | 485.071 | 471.001 | 461.443 | 457.781 |
| 65.0 | 444.797 | 459.364 | 465.932 | 479.211 | 487.304 | 484.480 | 473.907 | 459.624 | 449.913 | 448.637 |
| 65.5 | 433.243 | 445.010 | 454.804 | 468.023 | 476.270 | 473.340 | 462.305 | 448.377 | 438.654 | 441.584 |
| 66.0 | 421.925 | 432.381 | 443.167 | 456.528 | 464.798 | 461.998 | 450.645 | 436.964 | 427.241 | 432.192 |
| 66.5 | 410.855 | 420.460 | 431.506 | 445.211 | 453.409 | 450.586 | 439.185 | 425.458 | 415.865 | 421.323 |
| 67.0 | 399.514 | 409.166 | 420.850 | 434.164 | 442.151 | 439.268 | 427.868 | 415.487 | 404.299 | 410.371 |
| 67.5 | 387.889 | 398.037 | 409.450 | 422.882 | 431.223 | 428.175 | 416.514 | 406.425 | 392.792 | 398.522 |
| 68.0 | 376.689 | 387.629 | 398.132 | 411.505 | 419.657 | 416.928 | 407.831 | 395.639 | 381.722 | 387.180 |
| 68.5 | 365.561 | 378.769 | 386.377 | 400.235 | 408.469 | 405.775 | 400.164 | 385.030 | 370.369 | 375.803 |
| 69.0 | 354.172 | 369.873 | 375.567 | 389.224 | 397.210 | 394.186 | 389.448 | 374.657 | 358.909 | 364.285 |
| 69.5 | 342.819 | 359.854 | 364.143 | 377.812 | 385.892 | 382.904 | 378.036 | 362.631 | 347.580 | 351.171 |
| 70.0 | 331.631 | 348.938 | 352.813 | 366.246 | 374.327 | 371.609 | 366.021 | 351.207 | 336.132 | 334.821 |
| 70.5 | 320.289 | 337.739 | 341.495 | 355.129 | 363.340 | 360.457 | 354.786 | 342.122 | 324.861 | 322.357 |
| 71.0 | 309.137 | 326.137 | 330.697 | 344.213 | 352.317 | 349.364 | 341.814 | 330.638 | 313.803 | 311.299 |
| 71.5 | 298.114 | 313.756 | 319.214 | 333.001 | 341.082 | 338.046 | 326.220 | 317.383 | 302.438 | 300.359 |
| 72.0 | 286.891 | 299.237 | 308.215 | 321.861 | 329.445 | 326.728 | 313.744 | 302.060 | 291.404 | 294.346 |
| 72.5 | 275.562 | 285.533 | 296.862 | 310.649 | 318.411 | 315.564 | 302.686 | 289.667 | 280.476 | 284.528 |
| 73.0 | 264.586 | 274.616 | 286.005 | 299.579 | 307.093 | 304.470 | 291.640 | 278.409 | 269.395 | 273.801 |
| 73.5 | 253.682 | 265.531 | 275.195 | 288.628 | 295.185 | 293.507 | 280.559 | 267.280 | 258.478 | 262.720 |
| 74.0 | 242.849 | 258.478 | 264.385 | 277.594 | 283.465 | 282.366 | 269.442 | 256.647 | 247.846 | 250.894 |
| 74.5 | 232.015 | 247.834 | 253.292 | 266.358 | 271.722 | 271.001 | 258.431 | 245.542 | 237.225 | 239.080 |
| 75.0 | 221.016 | 238.395 | 242.435 | 254.296 | 259.530 | 259.624 | 247.326 | 234.744 | 226.604 | 227.254 |
| 75.5 | 210.478 | 228.294 | 231.779 | 243.097 | 246.936 | 248.047 | 236.386 | 223.793 | 215.984 | 215.428 |
| 76.0 | 199.916 | 216.929 | 221.359 | 231.566 | 234.319 | 236.445 | 225.706 | 220.532 | 205.363 | 203.685 |
| 76.5 | 189.497 | 200.330 | 210.915 | 219.835 | 221.997 | 224.383 | 215.192 | 210.939 | 194.671 | 194.352 |
| 77.0 | 179.313 | 188.410 | 200.318 | 207.277 | 209.899 | 212.357 | 204.571 | 202.327 | 184.334 | 186.059 |
| 77.5 | 169.094 | 177.446 | 190.111 | 195.545 | 199.208 | 199.893 | 194.092 | 189.591 | 174.481 | 176.099 |
| 78.0 | 159.040 | 168.326 | 179.833 | 183.944 | 190.264 | 188.114 | 183.649 | 177.139 | 164.226 | 164.144 |
| 78.5 | 149.199 | 158.249 | 169.377 | 173.205 | 182.408 | 176.607 | 173.170 | 164.427 | 154.125 | 154.752 |
| 79.0 | 138.933 | 147.226 | 158.662 | 164.144 | 174.954 | 166.755 | 162.395 | 154.114 | 144.225 | 144.592 |
| 79.5 | 129.458 | 139.488 | 148.348 | 156.677 | 168.243 | 158.556 | 152.070 | 143.505 | 134.869 | 133.451 |
| 80.0 | 120.207 | 130.320 | 137.928 | 148.892 | 162.809 | 151.030 | 141.662 | 134.644 | 125.134 | 125.252 |
| 80.5 | 110.827 | 119.546 | 127.379 | 142.477 | 157.339 | 143.587 | 130.769 | 124.685 | 116.025 | 114.738 |
| 81.0 | 101.825 | 108.937 | 116.947 | 136.511 | 151.739 | 137.633 | 120.018 | 115.175 | 106.940 | 105.688 |
| 81.5 | 93.331  | 99.356  | 107.165 | 130.734 | 146.411 | 131.454 | 109.728 | 105.865 | 97.844  | 96.875  |
| 82.0 | 84.848  | 91.015  | 98.446  | 124.555 | 140.988 | 125.347 | 99.958  | 96.780  | 88.640  | 87.991  |
| 82.5 | 76.378  | 82.710  | 91.688  | 118.660 | 135.294 | 118.943 | 92.728  | 87.695  | 80.111  | 79.378  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LVL22H-40.IES**

**CANDELA TABULATION - (Cont.)**

|       |        |        |        |         |         |         |        |        |        |        |
|-------|--------|--------|--------|---------|---------|---------|--------|--------|--------|--------|
| 83.0  | 67.907 | 74.416 | 84.966 | 112.765 | 128.643 | 112.871 | 85.510 | 78.610 | 71.605 | 71.061 |
| 83.5  | 59.424 | 66.111 | 78.232 | 106.409 | 115.694 | 106.385 | 78.291 | 69.525 | 62.980 | 63.040 |
| 84.0  | 51.237 | 58.219 | 71.510 | 96.190  | 99.864  | 96.426  | 71.073 | 60.452 | 54.167 | 55.301 |
| 84.5  | 43.015 | 50.316 | 64.445 | 82.084  | 85.687  | 82.521  | 63.866 | 52.301 | 46.382 | 47.504 |
| 85.0  | 36.056 | 42.412 | 57.593 | 67.942  | 71.522  | 68.368  | 56.613 | 44.421 | 39.175 | 40.085 |
| 85.5  | 30.397 | 34.958 | 49.595 | 53.813  | 57.357  | 54.214  | 48.898 | 37.037 | 34.367 | 34.521 |
| 86.0  | 25.483 | 28.720 | 40.191 | 39.671  | 43.192  | 40.061  | 39.163 | 30.386 | 29.559 | 28.944 |
| 86.5  | 21.005 | 23.652 | 30.976 | 29.889  | 29.027  | 29.984  | 30.055 | 24.904 | 24.750 | 23.380 |
| 87.0  | 16.941 | 19.127 | 22.447 | 22.388  | 22.175  | 22.317  | 21.738 | 19.859 | 19.930 | 17.804 |
| 87.5  | 12.877 | 14.838 | 16.079 | 16.386  | 16.540  | 16.197  | 15.512 | 15.051 | 15.122 | 12.298 |
| 88.0  | 9.983  | 10.751 | 11.377 | 11.530  | 11.542  | 11.093  | 10.703 | 10.455 | 10.337 | 7.963  |
| 88.5  | 7.868  | 8.459  | 8.754  | 8.707   | 9.191   | 8.447   | 8.246  | 8.163  | 6.025  | 4.099  |
| 89.0  | 5.777  | 6.179  | 6.261  | 6.002   | 6.970   | 5.860   | 5.883  | 5.966  | 2.469  | 1.831  |
| 89.5  | 3.686  | 3.910  | 3.769  | 3.296   | 4.761   | 3.284   | 3.521  | 3.769  | 1.748  | 1.737  |
| 90.0  | 1.607  | 1.630  | 1.288  | 0.603   | 2.540   | 0.697   | 1.158  | 1.583  | 2.032  | 1.867  |
| 90.5  | 1.654  | 1.760  | 1.311  | 0.543   | 0.319   | 0.520   | 1.099  | 1.630  | 2.304  | 2.067  |
| 91.0  | 1.902  | 2.103  | 1.512  | 0.579   | 0.189   | 0.579   | 1.323  | 1.914  | 2.469  | 2.186  |
| 91.5  | 1.997  | 2.221  | 1.595  | 0.614   | 0.189   | 0.614   | 1.453  | 2.067  | 2.528  | 2.304  |
| 92.0  | 2.032  | 2.316  | 1.666  | 0.650   | 0.201   | 0.650   | 1.548  | 2.174  | 2.493  | 2.398  |
| 92.5  | 2.056  | 2.386  | 1.713  | 0.685   | 0.201   | 0.673   | 1.607  | 2.268  | 2.481  | 2.575  |
| 93.0  | 2.186  | 2.599  | 1.808  | 0.721   | 0.224   | 0.732   | 1.748  | 2.516  | 2.599  | 2.741  |
| 93.5  | 2.245  | 2.835  | 1.973  | 0.792   | 0.260   | 0.827   | 1.878  | 2.587  | 2.611  | 2.682  |
| 94.0  | 2.280  | 2.871  | 2.056  | 0.827   | 0.284   | 0.898   | 1.985  | 2.493  | 2.694  | 2.646  |
| 94.5  | 2.280  | 2.776  | 2.127  | 0.839   | 0.272   | 0.910   | 1.949  | 2.445  | 2.646  | 2.623  |
| 95.0  | 2.256  | 2.717  | 2.079  | 0.839   | 0.272   | 0.886   | 1.878  | 2.445  | 2.694  | 2.575  |
| 95.5  | 2.256  | 2.705  | 1.997  | 0.803   | 0.284   | 0.839   | 1.831  | 2.469  | 2.694  | 2.575  |
| 96.0  | 2.245  | 2.705  | 1.926  | 0.768   | 0.284   | 0.815   | 1.784  | 2.528  | 2.635  | 2.646  |
| 96.5  | 2.174  | 2.670  | 1.890  | 0.756   | 0.284   | 0.792   | 1.748  | 2.894  | 2.670  | 2.930  |
| 97.0  | 2.115  | 2.729  | 1.855  | 0.744   | 0.284   | 0.768   | 1.713  | 2.883  | 2.646  | 2.564  |
| 97.5  | 2.115  | 3.213  | 1.831  | 0.744   | 0.284   | 0.756   | 1.689  | 2.847  | 2.575  | 2.623  |
| 98.0  | 2.150  | 2.658  | 1.808  | 0.744   | 0.295   | 0.744   | 1.678  | 3.568  | 2.599  | 3.119  |
| 98.5  | 2.150  | 2.871  | 1.784  | 0.744   | 0.307   | 0.744   | 1.796  | 4.052  | 2.587  | 3.237  |
| 99.0  | 2.127  | 4.076  | 1.760  | 0.744   | 0.307   | 0.744   | 2.138  | 4.359  | 2.528  | 3.840  |
| 99.5  | 2.115  | 4.407  | 1.737  | 0.744   | 0.319   | 0.744   | 2.280  | 4.478  | 2.493  | 3.792  |
| 100.0 | 2.127  | 4.312  | 1.725  | 0.744   | 0.331   | 0.744   | 2.457  | 3.851  | 2.493  | 4.040  |
| 100.5 | 2.363  | 3.934  | 1.725  | 0.744   | 0.331   | 0.732   | 2.351  | 3.816  | 2.635  | 4.300  |
| 101.0 | 2.422  | 4.147  | 1.737  | 0.744   | 0.343   | 0.732   | 1.949  | 3.190  | 2.658  | 3.627  |
| 101.5 | 2.505  | 3.662  | 1.843  | 0.744   | 0.354   | 0.732   | 1.678  | 2.469  | 2.682  | 3.591  |
| 102.0 | 2.599  | 3.591  | 1.784  | 0.744   | 0.366   | 0.732   | 1.607  | 2.316  | 2.764  | 3.178  |
| 102.5 | 2.717  | 3.036  | 1.725  | 0.744   | 0.366   | 0.732   | 1.619  | 2.280  | 2.812  | 2.717  |
| 103.0 | 2.741  | 2.516  | 1.713  | 0.744   | 0.366   | 0.732   | 1.843  | 2.256  | 2.812  | 2.457  |
| 103.5 | 2.741  | 2.481  | 1.737  | 0.744   | 0.390   | 0.744   | 1.843  | 2.268  | 2.824  | 2.410  |
| 104.0 | 2.776  | 2.481  | 2.316  | 0.780   | 0.402   | 0.768   | 1.713  | 2.268  | 2.717  | 2.410  |
| 104.5 | 2.611  | 2.481  | 2.635  | 0.803   | 0.413   | 0.780   | 1.819  | 2.575  | 2.753  | 2.398  |
| 105.0 | 2.528  | 2.493  | 2.694  | 0.815   | 0.449   | 0.780   | 2.410  | 2.422  | 3.083  | 2.410  |
| 105.5 | 2.764  | 2.469  | 2.528  | 0.827   | 0.484   | 0.792   | 2.575  | 2.245  | 2.953  | 2.410  |
| 106.0 | 2.457  | 2.445  | 1.867  | 0.827   | 0.508   | 0.792   | 3.024  | 2.339  | 2.635  | 2.410  |
| 106.5 | 2.705  | 2.552  | 1.760  | 0.827   | 0.532   | 0.780   | 2.859  | 2.457  | 3.107  | 2.670  |
| 107.0 | 2.528  | 3.308  | 1.737  | 0.839   | 0.543   | 0.792   | 2.611  | 2.221  | 2.587  | 3.272  |
| 107.5 | 2.457  | 3.580  | 1.737  | 0.851   | 0.555   | 0.792   | 2.327  | 2.186  | 3.107  | 3.237  |
| 108.0 | 2.493  | 3.225  | 1.737  | 0.874   | 0.567   | 0.803   | 1.737  | 2.623  | 2.493  | 2.694  |
| 108.5 | 2.575  | 2.457  | 1.725  | 0.886   | 0.579   | 0.815   | 1.642  | 3.107  | 2.871  | 2.339  |
| 109.0 | 2.670  | 2.386  | 1.760  | 0.886   | 0.579   | 0.827   | 1.642  | 3.272  | 2.599  | 2.327  |
| 109.5 | 2.434  | 2.469  | 1.902  | 0.921   | 0.591   | 0.827   | 1.630  | 2.304  | 2.575  | 2.434  |
| 110.0 | 2.434  | 2.788  | 1.819  | 0.921   | 0.603   | 0.839   | 1.619  | 2.138  | 2.682  | 2.705  |
| 110.5 | 2.646  | 2.824  | 1.725  | 0.933   | 0.603   | 0.851   | 1.619  | 2.127  | 2.434  | 2.564  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LVL22H-40.IES**

**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 111.0 | 2.245 | 2.575 | 1.701 | 0.957 | 0.614 | 0.862 | 1.607 | 2.351 | 2.363 | 2.788 |
| 111.5 | 2.599 | 2.375 | 1.701 | 0.957 | 0.626 | 0.874 | 1.595 | 2.729 | 2.316 | 2.280 |
| 112.0 | 2.375 | 2.351 | 1.689 | 0.969 | 0.638 | 0.886 | 1.583 | 2.540 | 2.398 | 2.245 |
| 112.5 | 2.410 | 2.363 | 1.689 | 0.981 | 0.650 | 0.898 | 1.571 | 2.138 | 2.457 | 2.245 |
| 113.0 | 2.186 | 2.658 | 1.678 | 0.992 | 0.662 | 0.910 | 1.548 | 2.091 | 2.138 | 2.481 |
| 113.5 | 2.540 | 2.977 | 1.666 | 1.016 | 0.662 | 0.921 | 1.536 | 2.127 | 2.138 | 2.906 |
| 114.0 | 2.256 | 2.871 | 1.642 | 1.028 | 0.673 | 0.933 | 1.536 | 2.280 | 2.174 | 2.871 |
| 114.5 | 2.505 | 2.422 | 1.630 | 1.028 | 0.685 | 0.945 | 1.524 | 2.245 | 2.528 | 2.540 |
| 115.0 | 2.127 | 2.304 | 1.619 | 1.040 | 0.697 | 0.957 | 1.512 | 2.056 | 2.127 | 2.174 |
| 115.5 | 2.127 | 2.280 | 1.607 | 1.040 | 0.709 | 0.957 | 1.500 | 2.020 | 2.032 | 2.138 |
| 116.0 | 2.635 | 2.422 | 1.595 | 1.051 | 0.721 | 0.969 | 1.500 | 2.008 | 2.008 | 2.127 |
| 116.5 | 2.280 | 2.386 | 1.595 | 1.051 | 0.732 | 0.969 | 1.489 | 1.997 | 2.008 | 2.186 |
| 117.0 | 2.209 | 2.292 | 1.595 | 1.040 | 0.744 | 0.969 | 1.477 | 1.997 | 2.221 | 2.233 |
| 117.5 | 2.079 | 2.256 | 1.595 | 1.040 | 0.756 | 0.969 | 1.465 | 2.056 | 2.256 | 2.091 |
| 118.0 | 2.067 | 2.233 | 1.595 | 1.028 | 0.780 | 0.981 | 1.465 | 2.540 | 1.937 | 2.067 |
| 118.5 | 2.067 | 2.233 | 1.583 | 1.028 | 0.792 | 0.981 | 1.477 | 2.682 | 1.890 | 2.067 |
| 119.0 | 2.174 | 2.233 | 1.583 | 1.016 | 0.803 | 0.992 | 1.878 | 2.635 | 1.914 | 2.056 |
| 119.5 | 2.469 | 2.233 | 1.571 | 1.016 | 0.815 | 1.004 | 1.949 | 2.552 | 1.902 | 2.044 |
| 120.0 | 2.162 | 2.327 | 1.571 | 1.016 | 0.827 | 1.004 | 1.654 | 2.174 | 1.914 | 2.056 |
| 120.5 | 2.067 | 2.363 | 1.583 | 1.016 | 0.827 | 1.004 | 1.477 | 2.032 | 2.162 | 2.127 |
| 121.0 | 2.079 | 2.292 | 1.583 | 1.004 | 0.839 | 1.004 | 1.453 | 2.056 | 2.138 | 2.079 |
| 121.5 | 2.079 | 2.292 | 1.595 | 1.004 | 0.862 | 0.992 | 1.453 | 2.056 | 1.926 | 2.008 |
| 122.0 | 2.079 | 2.316 | 1.595 | 1.004 | 0.862 | 0.992 | 1.453 | 2.103 | 2.008 | 1.997 |
| 122.5 | 2.067 | 2.481 | 1.607 | 1.004 | 0.874 | 0.992 | 1.453 | 1.973 | 1.878 | 1.961 |
| 123.0 | 2.056 | 2.564 | 1.630 | 1.004 | 0.874 | 0.981 | 1.453 | 1.867 | 1.855 | 2.091 |
| 123.5 | 2.044 | 2.233 | 1.831 | 1.004 | 0.874 | 0.981 | 1.453 | 1.843 | 1.831 | 2.209 |
| 124.0 | 1.997 | 2.056 | 1.748 | 1.004 | 0.886 | 0.981 | 1.453 | 1.855 | 1.796 | 1.961 |
| 124.5 | 1.961 | 2.138 | 1.642 | 1.004 | 0.886 | 0.981 | 1.453 | 2.044 | 1.689 | 1.737 |
| 125.0 | 1.855 | 1.961 | 1.595 | 1.016 | 0.886 | 0.981 | 1.453 | 1.878 | 1.477 | 1.678 |
| 125.5 | 1.630 | 1.878 | 1.595 | 1.016 | 0.886 | 0.981 | 1.418 | 1.654 | 1.453 | 1.666 |
| 126.0 | 1.607 | 1.713 | 1.583 | 1.028 | 0.898 | 0.992 | 1.382 | 1.524 | 1.453 | 1.477 |
| 126.5 | 1.654 | 1.595 | 1.536 | 1.028 | 0.898 | 0.992 | 1.335 | 1.512 | 1.406 | 1.536 |
| 127.0 | 1.619 | 1.630 | 1.500 | 1.040 | 0.898 | 0.992 | 1.311 | 1.583 | 1.240 | 1.607 |
| 127.5 | 1.394 | 1.737 | 1.465 | 1.040 | 0.898 | 0.992 | 1.311 | 1.642 | 1.300 | 1.701 |
| 128.0 | 1.441 | 1.808 | 1.465 | 1.040 | 0.921 | 0.992 | 1.311 | 1.666 | 1.276 | 1.701 |
| 128.5 | 1.335 | 1.855 | 1.548 | 1.051 | 0.933 | 1.004 | 1.359 | 1.678 | 1.134 | 1.666 |
| 129.0 | 1.252 | 1.843 | 1.583 | 1.051 | 0.945 | 1.004 | 1.441 | 1.666 | 1.252 | 1.630 |
| 129.5 | 1.453 | 1.843 | 1.500 | 1.063 | 0.957 | 1.016 | 1.418 | 1.678 | 1.477 | 1.619 |
| 130.0 | 1.666 | 1.831 | 1.441 | 1.063 | 0.969 | 1.016 | 1.453 | 1.725 | 1.571 | 1.595 |
| 130.5 | 1.772 | 1.843 | 1.441 | 1.063 | 0.981 | 1.016 | 1.489 | 1.666 | 1.666 | 1.595 |
| 131.0 | 1.890 | 1.843 | 1.489 | 1.063 | 0.992 | 1.028 | 1.394 | 1.701 | 1.701 | 1.642 |
| 131.5 | 1.902 | 1.831 | 1.536 | 1.075 | 1.004 | 1.028 | 1.335 | 1.713 | 1.689 | 1.654 |
| 132.0 | 1.902 | 1.819 | 1.583 | 1.087 | 1.016 | 1.028 | 1.347 | 1.760 | 1.701 | 1.630 |
| 132.5 | 1.914 | 1.831 | 1.630 | 1.075 | 1.028 | 1.004 | 1.359 | 1.666 | 1.772 | 1.630 |
| 133.0 | 1.914 | 1.808 | 1.630 | 1.063 | 1.028 | 0.992 | 1.359 | 1.595 | 1.666 | 1.642 |
| 133.5 | 1.914 | 1.784 | 1.583 | 1.075 | 1.028 | 0.981 | 1.382 | 1.571 | 1.619 | 1.630 |
| 134.0 | 1.914 | 1.843 | 1.571 | 1.063 | 1.040 | 0.969 | 1.394 | 1.548 | 1.607 | 1.607 |
| 134.5 | 1.914 | 2.008 | 1.583 | 1.051 | 1.028 | 0.969 | 1.406 | 1.548 | 1.607 | 1.619 |
| 135.0 | 1.937 | 1.902 | 1.595 | 1.051 | 1.028 | 0.969 | 1.406 | 1.583 | 1.607 | 1.701 |
| 135.5 | 1.937 | 1.855 | 1.583 | 1.051 | 1.028 | 0.969 | 1.418 | 1.559 | 1.595 | 1.937 |
| 136.0 | 1.937 | 2.079 | 1.583 | 1.040 | 1.016 | 0.969 | 1.441 | 1.524 | 1.595 | 1.831 |
| 136.5 | 1.949 | 2.304 | 1.595 | 1.028 | 1.016 | 0.969 | 1.441 | 1.524 | 1.595 | 1.607 |
| 137.0 | 1.937 | 2.280 | 1.630 | 1.028 | 1.016 | 0.969 | 1.453 | 1.524 | 1.607 | 1.559 |
| 137.5 | 1.926 | 2.138 | 1.784 | 1.051 | 1.016 | 0.992 | 1.453 | 1.512 | 1.654 | 1.583 |
| 138.0 | 1.914 | 1.937 | 1.902 | 1.063 | 1.028 | 1.004 | 1.429 | 1.477 | 1.760 | 1.559 |
| 138.5 | 1.926 | 1.831 | 1.713 | 1.075 | 1.028 | 1.004 | 1.441 | 1.477 | 1.666 | 1.559 |

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 139.0 | 1.937 | 1.796 | 1.607 | 1.075 | 1.028 | 1.028 | 1.429 | 1.489 | 1.666 | 1.548 |
| 139.5 | 1.937 | 1.772 | 1.583 | 1.099 | 1.063 | 1.040 | 1.418 | 1.500 | 1.642 | 1.548 |
| 140.0 | 1.937 | 1.760 | 1.583 | 1.111 | 1.063 | 1.051 | 1.394 | 1.524 | 1.630 | 1.583 |
| 140.5 | 1.937 | 1.784 | 1.571 | 1.122 | 1.063 | 1.063 | 1.370 | 1.559 | 1.619 | 1.595 |
| 141.0 | 1.926 | 1.819 | 1.465 | 1.134 | 1.063 | 1.075 | 1.347 | 1.571 | 1.619 | 1.607 |
| 141.5 | 1.926 | 1.843 | 1.429 | 1.146 | 1.075 | 1.087 | 1.323 | 1.559 | 1.630 | 1.619 |
| 142.0 | 1.937 | 1.855 | 1.394 | 1.158 | 1.075 | 1.099 | 1.311 | 1.559 | 1.654 | 1.619 |
| 142.5 | 1.985 | 1.855 | 1.347 | 1.170 | 1.087 | 1.122 | 1.418 | 1.548 | 1.678 | 1.583 |
| 143.0 | 1.961 | 1.867 | 1.300 | 1.193 | 1.087 | 1.134 | 1.489 | 1.536 | 1.689 | 1.559 |
| 143.5 | 1.902 | 1.867 | 1.240 | 1.205 | 1.099 | 1.146 | 1.347 | 1.571 | 1.689 | 1.548 |
| 144.0 | 1.878 | 1.855 | 1.193 | 1.217 | 1.099 | 1.158 | 1.229 | 1.583 | 1.760 | 1.559 |
| 144.5 | 1.878 | 1.831 | 1.181 | 1.252 | 1.111 | 1.181 | 1.170 | 1.619 | 1.819 | 1.583 |
| 145.0 | 1.867 | 1.819 | 1.181 | 1.264 | 1.122 | 1.181 | 1.158 | 1.619 | 1.701 | 1.583 |
| 145.5 | 1.867 | 1.831 | 1.193 | 1.252 | 1.122 | 1.181 | 1.158 | 1.619 | 1.654 | 1.595 |
| 146.0 | 1.867 | 1.867 | 1.205 | 1.264 | 1.146 | 1.193 | 1.158 | 1.607 | 1.630 | 1.595 |
| 146.5 | 1.855 | 1.867 | 1.205 | 1.276 | 1.181 | 1.205 | 1.158 | 1.583 | 1.630 | 1.607 |
| 147.0 | 1.843 | 1.808 | 1.205 | 1.276 | 1.181 | 1.205 | 1.170 | 1.583 | 1.642 | 1.619 |
| 147.5 | 1.796 | 1.748 | 1.193 | 1.276 | 1.181 | 1.205 | 1.158 | 1.559 | 1.654 | 1.607 |
| 148.0 | 1.772 | 1.701 | 1.217 | 1.276 | 1.181 | 1.181 | 1.158 | 1.489 | 1.666 | 1.559 |
| 148.5 | 1.748 | 1.607 | 1.229 | 1.276 | 1.181 | 1.181 | 1.158 | 1.477 | 1.666 | 1.512 |
| 149.0 | 1.748 | 1.500 | 1.229 | 1.276 | 1.193 | 1.181 | 1.181 | 1.477 | 1.642 | 1.489 |
| 149.5 | 1.760 | 1.477 | 1.240 | 1.276 | 1.193 | 1.181 | 1.193 | 1.418 | 1.630 | 1.465 |
| 150.0 | 1.867 | 1.465 | 1.240 | 1.276 | 1.193 | 1.181 | 1.193 | 1.394 | 1.630 | 1.429 |
| 150.5 | 1.760 | 1.441 | 1.252 | 1.252 | 1.181 | 1.181 | 1.193 | 1.394 | 1.595 | 1.370 |
| 151.0 | 1.465 | 1.370 | 1.264 | 1.264 | 1.181 | 1.193 | 1.193 | 1.370 | 1.536 | 1.359 |
| 151.5 | 1.394 | 1.288 | 1.323 | 1.300 | 1.181 | 1.205 | 1.217 | 1.323 | 1.441 | 1.359 |
| 152.0 | 1.370 | 1.252 | 1.477 | 1.311 | 1.158 | 1.217 | 1.229 | 1.217 | 1.441 | 1.300 |
| 152.5 | 1.300 | 1.240 | 1.642 | 1.311 | 1.158 | 1.205 | 1.229 | 1.205 | 1.583 | 1.193 |
| 153.0 | 1.181 | 1.252 | 1.607 | 1.288 | 1.170 | 1.205 | 1.229 | 1.217 | 1.465 | 1.122 |
| 153.5 | 1.158 | 1.288 | 1.453 | 1.264 | 1.181 | 1.181 | 1.229 | 1.217 | 1.347 | 1.087 |
| 154.0 | 1.134 | 1.288 | 1.382 | 1.252 | 1.205 | 1.170 | 1.240 | 1.264 | 1.240 | 1.087 |
| 154.5 | 1.146 | 1.288 | 1.382 | 1.264 | 1.205 | 1.170 | 1.264 | 1.276 | 1.229 | 1.099 |
| 155.0 | 1.158 | 1.347 | 1.394 | 1.264 | 1.181 | 1.158 | 1.288 | 1.276 | 1.240 | 1.146 |
| 155.5 | 1.170 | 1.370 | 1.406 | 1.264 | 1.170 | 1.158 | 1.300 | 1.335 | 1.264 | 1.181 |
| 156.0 | 1.158 | 1.359 | 1.418 | 1.264 | 1.181 | 1.170 | 1.300 | 1.394 | 1.311 | 1.193 |
| 156.5 | 1.229 | 1.394 | 1.429 | 1.276 | 1.181 | 1.193 | 1.335 | 1.382 | 1.311 | 1.205 |
| 157.0 | 1.288 | 1.441 | 1.441 | 1.418 | 1.193 | 1.217 | 1.359 | 1.394 | 1.335 | 1.252 |
| 157.5 | 1.300 | 1.453 | 1.441 | 1.678 | 1.181 | 1.229 | 1.370 | 1.382 | 1.418 | 1.300 |
| 158.0 | 1.394 | 1.477 | 1.453 | 1.808 | 1.193 | 1.229 | 1.370 | 1.370 | 1.453 | 1.311 |
| 158.5 | 1.583 | 1.512 | 1.465 | 1.666 | 1.217 | 1.240 | 1.382 | 1.359 | 1.465 | 1.335 |
| 159.0 | 1.772 | 1.524 | 1.465 | 1.441 | 1.229 | 1.240 | 1.382 | 1.323 | 1.489 | 1.370 |
| 159.5 | 1.760 | 1.536 | 1.465 | 1.370 | 1.229 | 1.240 | 1.394 | 1.311 | 1.477 | 1.370 |
| 160.0 | 1.630 | 1.524 | 1.465 | 1.382 | 1.229 | 1.264 | 1.394 | 1.288 | 1.465 | 1.347 |
| 160.5 | 1.559 | 1.512 | 1.453 | 1.394 | 1.240 | 1.300 | 1.382 | 1.288 | 1.489 | 1.335 |
| 161.0 | 1.548 | 1.536 | 1.441 | 1.406 | 1.252 | 1.311 | 1.370 | 1.288 | 1.713 | 1.347 |
| 161.5 | 1.536 | 1.489 | 1.429 | 1.406 | 1.276 | 1.300 | 1.359 | 1.300 | 1.796 | 1.335 |
| 162.0 | 1.500 | 1.441 | 1.370 | 1.370 | 1.288 | 1.288 | 1.335 | 1.311 | 1.583 | 1.323 |
| 162.5 | 1.477 | 1.429 | 1.370 | 1.347 | 1.300 | 1.264 | 1.276 | 1.276 | 1.359 | 1.288 |
| 163.0 | 1.477 | 1.441 | 1.370 | 1.347 | 1.288 | 1.252 | 1.276 | 1.264 | 1.300 | 1.311 |
| 163.5 | 1.465 | 1.441 | 1.370 | 1.347 | 1.288 | 1.264 | 1.276 | 1.264 | 1.288 | 1.335 |
| 164.0 | 1.489 | 1.441 | 1.382 | 1.347 | 1.276 | 1.323 | 1.276 | 1.229 | 1.300 | 1.323 |
| 164.5 | 1.512 | 1.429 | 1.382 | 1.335 | 1.288 | 1.335 | 1.276 | 1.229 | 1.311 | 1.311 |
| 165.0 | 1.512 | 1.429 | 1.406 | 1.335 | 1.300 | 1.323 | 1.276 | 1.252 | 1.311 | 1.300 |
| 165.5 | 1.512 | 1.418 | 1.465 | 1.347 | 1.300 | 1.347 | 1.300 | 1.276 | 1.311 | 1.276 |
| 166.0 | 1.524 | 1.418 | 1.500 | 1.323 | 1.276 | 1.311 | 1.323 | 1.264 | 1.311 | 1.276 |
| 166.5 | 1.536 | 1.429 | 1.559 | 1.335 | 1.276 | 1.276 | 1.335 | 1.229 | 1.323 | 1.288 |

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 167.0 | 1.536 | 1.394 | 1.642 | 1.323 | 1.229 | 1.276 | 1.335 | 1.181 | 1.359 | 1.264 |
| 167.5 | 1.536 | 1.382 | 1.595 | 1.323 | 1.252 | 1.276 | 1.406 | 1.170 | 1.335 | 1.276 |
| 168.0 | 1.548 | 1.370 | 1.477 | 1.323 | 1.264 | 1.252 | 1.441 | 1.158 | 1.300 | 1.335 |
| 168.5 | 1.607 | 1.394 | 1.453 | 1.347 | 1.240 | 1.264 | 1.347 | 1.146 | 1.323 | 1.465 |
| 169.0 | 1.772 | 1.406 | 1.453 | 1.382 | 1.240 | 1.276 | 1.288 | 1.134 | 1.311 | 1.489 |
| 169.5 | 1.926 | 1.441 | 1.489 | 1.370 | 1.252 | 1.276 | 1.288 | 1.134 | 1.288 | 1.370 |
| 170.0 | 1.855 | 1.465 | 1.429 | 1.311 | 1.288 | 1.229 | 1.300 | 1.146 | 1.240 | 1.264 |
| 170.5 | 1.630 | 1.465 | 1.382 | 1.288 | 1.252 | 1.170 | 1.264 | 1.158 | 1.229 | 1.229 |
| 171.0 | 1.512 | 1.453 | 1.370 | 1.300 | 1.146 | 1.158 | 1.217 | 1.170 | 1.288 | 1.276 |
| 171.5 | 1.489 | 1.441 | 1.359 | 1.311 | 1.122 | 1.146 | 1.181 | 1.193 | 1.429 | 1.406 |
| 172.0 | 1.453 | 1.418 | 1.347 | 1.394 | 1.122 | 1.158 | 1.170 | 1.205 | 1.595 | 1.583 |
| 172.5 | 1.441 | 1.406 | 1.335 | 1.465 | 1.146 | 1.170 | 1.158 | 1.205 | 1.607 | 1.619 |
| 173.0 | 1.465 | 1.394 | 1.323 | 1.441 | 1.181 | 1.181 | 1.158 | 1.205 | 1.453 | 1.465 |
| 173.5 | 1.489 | 1.394 | 1.335 | 1.347 | 1.158 | 1.205 | 1.158 | 1.193 | 1.382 | 1.370 |
| 174.0 | 1.524 | 1.382 | 1.359 | 1.300 | 1.122 | 1.240 | 1.193 | 1.229 | 1.394 | 1.382 |
| 174.5 | 1.536 | 1.418 | 1.429 | 1.323 | 1.146 | 1.240 | 1.252 | 1.300 | 1.418 | 1.406 |
| 175.0 | 1.536 | 1.441 | 1.465 | 1.311 | 1.099 | 1.276 | 1.311 | 1.418 | 1.453 | 1.441 |
| 175.5 | 1.571 | 1.500 | 1.465 | 1.323 | 1.111 | 1.300 | 1.335 | 1.465 | 1.536 | 1.524 |
| 176.0 | 1.619 | 1.512 | 1.465 | 1.359 | 1.170 | 1.347 | 1.347 | 1.489 | 1.524 | 1.536 |
| 176.5 | 1.701 | 1.548 | 1.441 | 1.347 | 1.276 | 1.370 | 1.335 | 1.477 | 1.512 | 1.512 |
| 177.0 | 1.867 | 1.559 | 1.453 | 1.276 | 1.311 | 1.359 | 1.347 | 1.465 | 1.489 | 1.500 |
| 177.5 | 1.843 | 1.559 | 1.465 | 1.252 | 1.288 | 1.335 | 1.347 | 1.453 | 1.489 | 1.489 |
| 178.0 | 1.701 | 1.571 | 1.465 | 1.276 | 1.288 | 1.300 | 1.382 | 1.453 | 1.489 | 1.489 |
| 178.5 | 1.607 | 1.571 | 1.465 | 1.300 | 1.347 | 1.300 | 1.406 | 1.429 | 1.500 | 1.500 |
| 179.0 | 1.571 | 1.559 | 1.489 | 1.288 | 1.370 | 1.311 | 1.441 | 1.465 | 1.536 | 1.559 |
| 179.5 | 1.595 | 1.559 | 1.548 | 1.300 | 1.418 | 1.311 | 1.465 | 1.477 | 1.808 | 1.819 |
| 180.0 | 1.619 | 1.619 | 1.619 | 1.619 | 1.619 | 1.619 | 1.619 | 1.619 | 1.619 | 1.619 |

**Vert. Angles**      **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  | 1408.808     | 1408.808     | 1408.808     | 1408.808     | 1408.808     | 1408.808     | 1408.808     |
| 0.5  | 1408.548     | 1408.418     | 1408.252     | 1408.252     | 1408.323     | 1408.512     | 1408.701     |
| 1.0  | 1408.087     | 1407.851     | 1407.685     | 1407.614     | 1407.756     | 1407.992     | 1408.406     |
| 1.5  | 1407.532     | 1407.118     | 1406.929     | 1406.846     | 1407.071     | 1407.378     | 1407.862     |
| 2.0  | 1406.764     | 1406.315     | 1405.996     | 1405.949     | 1406.114     | 1406.587     | 1407.118     |
| 2.5  | 1405.807     | 1405.252     | 1404.921     | 1404.885     | 1405.063     | 1405.641     | 1406.220     |
| 3.0  | 1404.720     | 1404.070     | 1403.704     | 1403.539     | 1403.869     | 1404.401     | 1405.204     |
| 3.5  | 1403.539     | 1402.830     | 1402.357     | 1402.180     | 1402.440     | 1403.078     | 1403.988     |
| 4.0  | 1402.204     | 1401.306     | 1400.869     | 1400.715     | 1400.999     | 1401.707     | 1402.570     |
| 4.5  | 1400.691     | 1399.699     | 1399.215     | 1399.014     | 1399.262     | 1400.101     | 1401.164     |
| 5.0  | 1398.978     | 1398.010     | 1397.431     | 1397.147     | 1397.490     | 1398.329     | 1399.557     |
| 5.5  | 1397.171     | 1396.155     | 1395.505     | 1395.151     | 1395.434     | 1396.344     | 1397.667     |
| 6.0  | 1395.198     | 1394.076     | 1393.367     | 1393.107     | 1393.367     | 1394.347     | 1395.718     |
| 6.5  | 1393.048     | 1391.819     | 1391.193     | 1390.779     | 1391.016     | 1392.126     | 1393.591     |
| 7.0  | 1390.803     | 1389.515     | 1388.736     | 1388.369     | 1388.665     | 1389.799     | 1391.347     |
| 7.5  | 1388.346     | 1387.011     | 1386.255     | 1385.759     | 1386.089     | 1387.283     | 1388.996     |
| 8.0  | 1385.794     | 1384.282     | 1383.585     | 1383.029     | 1383.301     | 1384.683     | 1386.444     |
| 8.5  | 1383.006     | 1381.494     | 1380.749     | 1380.135     | 1380.478     | 1381.907     | 1383.809     |
| 9.0  | 1380.100     | 1378.564     | 1377.701     | 1377.158     | 1377.548     | 1378.847     | 1380.986     |
| 9.5  | 1377.075     | 1375.409     | 1374.594     | 1374.027     | 1374.240     | 1375.787     | 1377.997     |
| 10.0 | 1373.826     | 1372.302     | 1371.416     | 1370.566     | 1370.991     | 1372.680     | 1374.937     |
| 10.5 | 1370.554     | 1368.971     | 1367.943     | 1367.187     | 1367.565     | 1369.290     | 1371.570     |
| 11.0 | 1367.151     | 1365.415     | 1364.505     | 1363.702     | 1364.009     | 1365.781     | 1368.120     |
| 11.5 | 1363.536     | 1361.682     | 1360.819     | 1359.933     | 1360.252     | 1362.178     | 1364.529     |
| 12.0 | 1359.720     | 1358.066     | 1356.956     | 1355.999     | 1356.365     | 1358.433     | 1360.866     |

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|----------|
| 12.5 | 1355.810 | 1354.002 | 1353.116 | 1351.982 | 1352.384 | 1354.451 | 1357.039 |
| 13.0 | 1351.746 | 1350.127 | 1349.052 | 1347.918 | 1348.284 | 1350.423 | 1353.175 |
| 13.5 | 1347.611 | 1345.756 | 1344.740 | 1343.748 | 1344.150 | 1346.276 | 1349.159 |
| 14.0 | 1343.394 | 1341.633 | 1340.464 | 1339.176 | 1339.696 | 1342.047 | 1344.941 |
| 14.5 | 1339.011 | 1337.038 | 1336.033 | 1334.817 | 1334.982 | 1337.593 | 1340.700 |
| 15.0 | 1334.285 | 1332.383 | 1331.402 | 1330.138 | 1330.504 | 1333.009 | 1336.175 |
| 15.5 | 1329.583 | 1327.728 | 1326.641 | 1325.271 | 1325.720 | 1328.319 | 1331.721 |
| 16.0 | 1324.905 | 1322.873 | 1321.727 | 1320.250 | 1320.841 | 1323.522 | 1327.007 |
| 16.5 | 1319.884 | 1317.745 | 1316.765 | 1315.430 | 1315.820 | 1318.431 | 1322.246 |
| 17.0 | 1314.898 | 1312.701 | 1311.732 | 1310.232 | 1310.716 | 1313.504 | 1317.296 |
| 17.5 | 1309.546 | 1307.408 | 1306.416 | 1304.797 | 1305.400 | 1308.259 | 1312.181 |
| 18.0 | 1304.348 | 1302.045 | 1301.147 | 1299.375 | 1299.965 | 1302.954 | 1306.770 |
| 18.5 | 1298.961 | 1296.527 | 1295.547 | 1294.011 | 1294.460 | 1297.484 | 1301.607 |
| 19.0 | 1293.184 | 1290.821 | 1290.041 | 1288.258 | 1288.884 | 1291.979 | 1296.090 |
| 19.5 | 1287.608 | 1285.245 | 1284.371 | 1282.469 | 1283.024 | 1286.261 | 1290.431 |
| 20.0 | 1281.783 | 1279.350 | 1278.499 | 1276.715 | 1277.176 | 1280.555 | 1284.725 |
| 20.5 | 1275.876 | 1273.396 | 1272.639 | 1270.737 | 1271.352 | 1274.825 | 1279.043 |
| 21.0 | 1269.686 | 1267.323 | 1266.567 | 1264.559 | 1265.208 | 1268.587 | 1272.970 |
| 21.5 | 1263.661 | 1261.074 | 1260.258 | 1258.285 | 1258.935 | 1262.444 | 1266.910 |
| 22.0 | 1257.281 | 1254.871 | 1253.985 | 1252.024 | 1252.686 | 1256.313 | 1260.743 |
| 22.5 | 1250.902 | 1248.433 | 1247.676 | 1245.550 | 1246.271 | 1250.004 | 1254.635 |
| 23.0 | 1244.558 | 1242.088 | 1241.273 | 1239.029 | 1239.915 | 1243.672 | 1248.102 |
| 23.5 | 1238.143 | 1235.496 | 1234.551 | 1232.555 | 1233.098 | 1236.938 | 1241.687 |
| 24.0 | 1231.361 | 1228.691 | 1227.805 | 1225.797 | 1226.482 | 1230.274 | 1235.118 |
| 24.5 | 1224.592 | 1221.768 | 1221.036 | 1218.756 | 1219.630 | 1223.600 | 1228.325 |
| 25.0 | 1217.716 | 1215.129 | 1214.278 | 1211.774 | 1212.660 | 1216.688 | 1221.461 |
| 25.5 | 1210.793 | 1208.147 | 1207.072 | 1204.922 | 1205.630 | 1209.588 | 1214.704 |
| 26.0 | 1203.516 | 1200.763 | 1199.983 | 1197.703 | 1198.471 | 1202.677 | 1207.769 |
| 26.5 | 1196.475 | 1193.627 | 1192.954 | 1190.461 | 1191.430 | 1195.612 | 1200.645 |
| 27.0 | 1189.044 | 1186.456 | 1185.866 | 1183.207 | 1184.011 | 1188.299 | 1193.320 |
| 27.5 | 1181.613 | 1178.943 | 1178.257 | 1175.847 | 1176.840 | 1181.034 | 1186.161 |
| 28.0 | 1174.040 | 1171.393 | 1170.850 | 1168.168 | 1169.149 | 1173.355 | 1178.730 |
| 28.5 | 1166.538 | 1163.962 | 1163.147 | 1160.525 | 1161.482 | 1165.758 | 1171.145 |
| 29.0 | 1158.871 | 1156.260 | 1155.480 | 1153.023 | 1153.767 | 1158.197 | 1163.443 |
| 29.5 | 1151.132 | 1148.474 | 1147.765 | 1145.273 | 1146.005 | 1150.565 | 1156.000 |
| 30.0 | 1143.300 | 1140.453 | 1139.992 | 1137.298 | 1138.161 | 1142.934 | 1148.226 |
| 30.5 | 1135.396 | 1132.726 | 1132.041 | 1129.277 | 1130.269 | 1134.758 | 1140.382 |
| 31.0 | 1127.410 | 1124.705 | 1124.114 | 1121.515 | 1122.200 | 1126.843 | 1132.395 |
| 31.5 | 1119.046 | 1116.364 | 1115.903 | 1113.139 | 1114.155 | 1118.644 | 1124.291 |
| 32.0 | 1110.953 | 1108.259 | 1107.834 | 1104.845 | 1105.814 | 1110.764 | 1116.246 |
| 32.5 | 1102.872 | 1100.309 | 1099.883 | 1096.883 | 1097.556 | 1102.648 | 1108.118 |
| 33.0 | 1094.295 | 1091.755 | 1091.602 | 1088.613 | 1089.263 | 1094.094 | 1099.777 |
| 33.5 | 1085.896 | 1083.426 | 1083.202 | 1079.870 | 1081.005 | 1085.754 | 1091.188 |
| 34.0 | 1077.590 | 1075.074 | 1074.613 | 1071.412 | 1072.392 | 1077.011 | 1082.788 |
| 34.5 | 1068.872 | 1066.627 | 1066.402 | 1063.083 | 1063.709 | 1068.730 | 1074.247 |
| 35.0 | 1060.176 | 1057.979 | 1057.790 | 1054.411 | 1055.085 | 1060.117 | 1065.658 |
| 35.5 | 1051.281 | 1049.249 | 1049.166 | 1045.468 | 1046.401 | 1051.174 | 1056.798 |
| 36.0 | 1042.869 | 1040.825 | 1040.837 | 1037.080 | 1037.694 | 1042.550 | 1048.044 |
| 36.5 | 1033.772 | 1031.906 | 1032.248 | 1028.397 | 1029.023 | 1033.678 | 1039.077 |
| 37.0 | 1025.042 | 1023.033 | 1023.234 | 1019.418 | 1020.056 | 1024.699 | 1030.051 |
| 37.5 | 1015.732 | 1014.114 | 1014.598 | 1010.416 | 1010.900 | 1015.508 | 1021.049 |
| 38.0 | 1006.931 | 1005.265 | 1005.631 | 1001.626 | 1001.744 | 1006.588 | 1012.034 |
| 38.5 | 997.503  | 996.251  | 996.712  | 992.600  | 992.978  | 997.432  | 1002.701 |
| 39.0 | 988.501  | 987.142  | 987.579  | 983.421  | 983.657  | 988.052  | 993.498  |
| 39.5 | 979.499  | 978.270  | 978.849  | 974.513  | 974.419  | 978.837  | 984.023  |
| 40.0 | 970.024  | 969.114  | 969.551  | 965.570  | 965.050  | 969.504  | 974.773  |

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**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|---------|
| 40.5 | 960.584 | 959.852 | 960.348 | 956.083 | 955.942 | 960.041 | 965.216 |
| 41.0 | 951.358 | 950.661 | 950.944 | 946.727 | 946.360 | 950.354 | 955.575 |
| 41.5 | 941.930 | 941.280 | 941.741 | 937.594 | 936.744 | 940.831 | 945.947 |
| 42.0 | 932.432 | 931.900 | 932.361 | 928.238 | 927.411 | 931.298 | 936.578 |
| 42.5 | 923.004 | 922.473 | 922.969 | 918.574 | 918.302 | 921.622 | 926.726 |
| 43.0 | 913.647 | 913.222 | 913.612 | 909.241 | 908.473 | 911.899 | 917.133 |
| 43.5 | 903.795 | 903.641 | 903.972 | 899.766 | 898.573 | 901.881 | 906.890 |
| 44.0 | 894.072 | 893.658 | 894.060 | 890.138 | 888.921 | 892.122 | 897.214 |
| 44.5 | 884.349 | 884.089 | 884.431 | 880.367 | 879.316 | 882.151 | 887.090 |
| 45.0 | 874.602 | 874.425 | 874.732 | 870.585 | 869.463 | 872.239 | 877.449 |
| 45.5 | 864.537 | 864.631 | 864.903 | 860.886 | 859.622 | 862.221 | 867.088 |
| 46.0 | 854.956 | 854.837 | 854.991 | 851.010 | 849.887 | 852.097 | 857.117 |
| 46.5 | 845.150 | 844.843 | 845.244 | 841.251 | 840.283 | 842.208 | 846.934 |
| 47.0 | 834.966 | 834.777 | 835.025 | 831.280 | 829.957 | 832.025 | 836.927 |
| 47.5 | 824.723 | 824.617 | 824.830 | 820.919 | 819.832 | 821.711 | 826.401 |
| 48.0 | 815.107 | 814.623 | 814.646 | 810.759 | 809.861 | 811.421 | 816.300 |
| 48.5 | 804.864 | 804.403 | 804.841 | 800.836 | 799.820 | 801.107 | 806.022 |
| 49.0 | 794.704 | 794.196 | 794.562 | 790.805 | 789.837 | 790.995 | 795.720 |
| 49.5 | 784.379 | 783.847 | 784.190 | 780.374 | 779.440 | 780.622 | 785.064 |
| 50.0 | 774.077 | 773.805 | 774.065 | 769.907 | 769.080 | 770.072 | 774.786 |
| 50.5 | 763.787 | 763.480 | 763.763 | 759.758 | 758.790 | 759.664 | 764.094 |
| 51.0 | 753.308 | 752.705 | 753.190 | 749.634 | 748.630 | 749.102 | 753.757 |
| 51.5 | 742.982 | 742.392 | 742.793 | 738.777 | 738.363 | 738.469 | 743.148 |
| 52.0 | 732.421 | 732.338 | 732.574 | 728.262 | 727.589 | 727.967 | 732.562 |
| 52.5 | 721.965 | 721.800 | 722.261 | 718.055 | 717.216 | 717.594 | 721.729 |
| 53.0 | 711.215 | 711.380 | 711.664 | 707.883 | 706.914 | 706.855 | 710.978 |
| 53.5 | 700.641 | 700.653 | 700.960 | 696.967 | 696.175 | 695.951 | 700.239 |
| 54.0 | 690.079 | 690.174 | 690.505 | 686.287 | 685.413 | 685.507 | 689.477 |
| 54.5 | 679.057 | 679.447 | 679.907 | 675.784 | 674.615 | 674.520 | 678.738 |
| 55.0 | 668.294 | 668.980 | 669.346 | 665.164 | 664.065 | 663.793 | 667.940 |
| 55.5 | 657.614 | 658.170 | 658.855 | 654.496 | 653.161 | 653.799 | 656.847 |
| 56.0 | 646.864 | 647.809 | 648.270 | 643.875 | 642.433 | 648.258 | 645.989 |
| 56.5 | 636.066 | 636.916 | 637.413 | 633.195 | 631.742 | 642.599 | 635.073 |
| 57.0 | 624.949 | 625.977 | 626.626 | 622.302 | 620.412 | 632.758 | 624.086 |
| 57.5 | 613.891 | 615.297 | 616.336 | 611.469 | 609.390 | 621.570 | 612.958 |
| 58.0 | 602.880 | 604.593 | 605.019 | 600.718 | 598.852 | 609.638 | 601.746 |
| 58.5 | 591.822 | 593.760 | 594.374 | 589.873 | 589.719 | 593.311 | 590.771 |
| 59.0 | 581.012 | 582.997 | 583.600 | 578.969 | 582.501 | 577.456 | 579.713 |
| 59.5 | 570.025 | 572.057 | 573.286 | 568.395 | 574.456 | 565.489 | 568.667 |
| 60.0 | 558.814 | 561.130 | 561.980 | 557.621 | 564.768 | 554.289 | 557.633 |
| 60.5 | 547.461 | 550.178 | 551.017 | 546.256 | 553.958 | 543.184 | 546.327 |
| 61.0 | 536.675 | 539.380 | 540.396 | 535.351 | 542.121 | 532.055 | 534.962 |
| 61.5 | 525.652 | 528.535 | 529.752 | 524.719 | 529.917 | 520.903 | 523.738 |
| 62.0 | 514.287 | 517.382 | 518.694 | 513.803 | 516.508 | 509.880 | 512.562 |
| 62.5 | 503.170 | 506.466 | 507.529 | 502.686 | 502.000 | 498.882 | 501.481 |
| 63.0 | 491.899 | 495.621 | 496.838 | 491.699 | 488.592 | 487.706 | 489.962 |
| 63.5 | 480.499 | 484.563 | 485.709 | 480.830 | 476.837 | 476.600 | 478.467 |
| 64.0 | 469.429 | 473.635 | 474.545 | 469.630 | 465.578 | 465.672 | 467.374 |
| 64.5 | 458.407 | 462.683 | 463.865 | 458.773 | 454.674 | 454.685 | 456.304 |
| 65.0 | 447.184 | 451.744 | 453.091 | 447.975 | 443.864 | 443.332 | 444.797 |
| 65.5 | 435.795 | 440.792 | 442.056 | 436.775 | 433.290 | 432.050 | 433.243 |
| 66.0 | 424.725 | 430.230 | 431.057 | 425.599 | 422.421 | 420.933 | 421.925 |
| 66.5 | 413.525 | 418.972 | 420.070 | 414.813 | 411.564 | 409.520 | 410.855 |
| 67.0 | 402.479 | 407.937 | 409.296 | 404.251 | 400.707 | 398.569 | 399.514 |
| 67.5 | 391.043 | 396.844 | 398.167 | 392.686 | 388.952 | 389.815 | 387.889 |
| 68.0 | 379.985 | 386.424 | 387.334 | 381.651 | 377.209 | 384.038 | 376.689 |

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**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|---------|
| 68.5 | 368.939 | 375.413 | 376.737 | 371.137 | 365.691 | 378.615 | 365.561 |
| 69.0 | 357.881 | 364.084 | 365.466 | 360.303 | 354.526 | 370.522 | 354.172 |
| 69.5 | 346.800 | 353.191 | 354.503 | 348.844 | 343.327 | 358.708 | 342.819 |
| 70.0 | 335.482 | 342.582 | 343.823 | 338.105 | 332.198 | 346.434 | 331.631 |
| 70.5 | 324.601 | 331.702 | 333.131 | 327.437 | 321.270 | 332.954 | 320.289 |
| 71.0 | 313.638 | 320.585 | 321.849 | 316.473 | 310.637 | 317.537 | 309.137 |
| 71.5 | 302.828 | 309.893 | 311.275 | 305.522 | 301.363 | 306.207 | 298.114 |
| 72.0 | 292.172 | 299.686 | 300.855 | 295.232 | 288.687 | 292.881 | 286.891 |
| 72.5 | 281.102 | 288.687 | 289.904 | 284.292 | 277.948 | 280.535 | 275.562 |
| 73.0 | 270.151 | 277.546 | 278.964 | 273.707 | 267.233 | 270.635 | 264.586 |
| 73.5 | 259.684 | 267.197 | 268.355 | 263.110 | 256.576 | 259.353 | 253.682 |
| 74.0 | 249.299 | 257.191 | 257.722 | 252.890 | 246.180 | 247.834 | 242.849 |
| 74.5 | 238.938 | 246.357 | 246.747 | 242.341 | 235.772 | 236.315 | 232.015 |
| 75.0 | 228.577 | 235.524 | 235.784 | 231.791 | 225.364 | 224.797 | 221.016 |
| 75.5 | 218.216 | 224.690 | 224.809 | 221.253 | 214.968 | 213.266 | 210.478 |
| 76.0 | 207.856 | 213.857 | 213.833 | 210.703 | 204.559 | 201.771 | 199.916 |
| 76.5 | 197.306 | 203.024 | 202.905 | 200.153 | 194.281 | 191.694 | 189.497 |
| 77.0 | 187.488 | 192.308 | 193.029 | 189.674 | 184.322 | 183.779 | 179.313 |
| 77.5 | 177.328 | 181.877 | 183.743 | 179.053 | 174.575 | 180.624 | 169.094 |
| 78.0 | 167.310 | 171.433 | 175.438 | 168.609 | 164.746 | 172.024 | 159.040 |
| 78.5 | 157.422 | 161.875 | 168.302 | 158.709 | 154.905 | 156.677 | 149.199 |
| 79.0 | 147.651 | 153.936 | 161.226 | 149.931 | 145.159 | 145.737 | 138.933 |
| 79.5 | 137.539 | 146.175 | 155.744 | 142.300 | 135.483 | 136.475 | 129.458 |
| 80.0 | 127.638 | 139.535 | 150.416 | 134.538 | 125.961 | 126.374 | 120.207 |
| 80.5 | 118.459 | 133.711 | 145.253 | 128.395 | 116.510 | 114.005 | 110.827 |
| 81.0 | 108.866 | 127.768 | 140.020 | 122.629 | 107.259 | 104.388 | 101.825 |
| 81.5 | 99.746  | 121.637 | 134.644 | 116.722 | 97.914  | 95.540  | 93.331  |
| 82.0 | 92.031  | 115.612 | 129.162 | 110.733 | 89.089  | 86.041  | 84.848  |
| 82.5 | 84.836  | 109.362 | 120.668 | 104.601 | 81.139  | 77.075  | 76.378  |
| 83.0 | 77.748  | 100.726 | 106.574 | 98.174  | 73.660  | 68.687  | 67.907  |
| 83.5 | 70.695  | 87.613  | 89.597  | 87.896  | 66.796  | 60.559  | 59.424  |
| 84.0 | 63.784  | 73.223  | 72.054  | 74.936  | 59.909  | 52.442  | 51.237  |
| 84.5 | 56.565  | 58.149  | 55.762  | 60.748  | 52.927  | 44.751  | 43.015  |
| 85.0 | 47.327  | 44.468  | 42.389  | 46.677  | 46.134  | 37.462  | 36.056  |
| 85.5 | 39.813  | 37.214  | 35.548  | 39.128  | 38.998  | 32.583  | 30.397  |
| 86.0 | 32.288  | 29.948  | 28.696  | 31.579  | 31.851  | 27.704  | 25.483  |
| 86.5 | 24.762  | 22.695  | 21.856  | 24.041  | 24.715  | 22.825  | 21.005  |
| 87.0 | 17.237  | 15.441  | 15.004  | 16.492  | 17.579  | 17.945  | 16.941  |
| 87.5 | 9.900   | 8.329   | 8.246   | 9.002   | 10.538  | 13.102  | 12.877  |
| 88.0 | 5.931   | 4.371   | 4.147   | 5.104   | 6.805   | 9.073   | 9.983   |
| 88.5 | 2.871   | 1.666   | 1.595   | 2.256   | 3.875   | 5.399   | 7.868   |
| 89.0 | 1.335   | 0.673   | 0.449   | 0.910   | 1.914   | 2.505   | 5.777   |
| 89.5 | 1.288   | 0.650   | 0.402   | 0.815   | 1.465   | 1.512   | 3.686   |
| 90.0 | 1.477   | 0.673   | 0.390   | 0.874   | 1.595   | 1.678   | 1.607   |
| 90.5 | 1.536   | 0.697   | 0.402   | 0.921   | 1.890   | 2.127   | 1.654   |
| 91.0 | 1.595   | 0.732   | 0.413   | 0.957   | 1.997   | 2.422   | 1.902   |
| 91.5 | 1.642   | 0.768   | 0.413   | 1.004   | 2.056   | 2.505   | 1.997   |
| 92.0 | 1.713   | 0.803   | 0.437   | 1.063   | 2.115   | 2.599   | 2.032   |
| 92.5 | 1.914   | 0.862   | 0.473   | 1.134   | 2.209   | 2.670   | 2.056   |
| 93.0 | 2.032   | 0.921   | 0.496   | 1.146   | 2.316   | 2.800   | 2.186   |
| 93.5 | 1.997   | 0.898   | 0.484   | 1.158   | 2.398   | 2.930   | 2.245   |
| 94.0 | 1.902   | 0.874   | 0.496   | 1.158   | 2.375   | 3.013   | 2.280   |
| 94.5 | 1.831   | 0.851   | 0.496   | 1.158   | 2.363   | 3.001   | 2.280   |
| 95.0 | 1.831   | 0.839   | 0.508   | 1.158   | 2.363   | 2.942   | 2.256   |
| 95.5 | 1.796   | 0.839   | 0.520   | 1.146   | 2.292   | 2.965   | 2.256   |
| 96.0 | 1.760   | 0.839   | 0.532   | 1.146   | 2.245   | 3.225   | 2.245   |

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**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 96.5  | 1.725 | 0.839 | 0.543 | 1.146 | 2.209 | 3.379 | 2.174 |
| 97.0  | 1.713 | 0.839 | 0.543 | 1.146 | 2.197 | 3.485 | 2.115 |
| 97.5  | 1.701 | 0.851 | 0.555 | 1.158 | 2.186 | 3.556 | 2.115 |
| 98.0  | 1.678 | 0.862 | 0.579 | 1.158 | 2.174 | 4.170 | 2.150 |
| 98.5  | 1.666 | 0.886 | 0.591 | 1.170 | 2.209 | 4.726 | 2.150 |
| 99.0  | 1.654 | 0.886 | 0.603 | 1.170 | 2.162 | 5.175 | 2.127 |
| 99.5  | 1.642 | 0.898 | 0.614 | 1.170 | 2.127 | 4.820 | 2.115 |
| 100.0 | 1.642 | 0.898 | 0.614 | 1.158 | 2.115 | 4.430 | 2.127 |
| 100.5 | 1.701 | 0.898 | 0.626 | 1.158 | 2.127 | 4.253 | 2.363 |
| 101.0 | 1.654 | 0.898 | 0.638 | 1.158 | 2.174 | 3.556 | 2.422 |
| 101.5 | 1.630 | 0.898 | 0.638 | 1.158 | 2.316 | 2.883 | 2.505 |
| 102.0 | 1.630 | 0.910 | 0.638 | 1.158 | 2.658 | 2.883 | 2.599 |
| 102.5 | 1.630 | 0.910 | 0.662 | 1.158 | 2.835 | 2.824 | 2.717 |
| 103.0 | 1.725 | 0.910 | 0.673 | 1.158 | 2.316 | 2.788 | 2.741 |
| 103.5 | 2.304 | 0.910 | 0.673 | 1.158 | 2.375 | 2.776 | 2.741 |
| 104.0 | 3.024 | 0.921 | 0.685 | 1.158 | 2.906 | 2.776 | 2.776 |
| 104.5 | 2.824 | 0.921 | 0.685 | 1.158 | 3.048 | 2.812 | 2.611 |
| 105.0 | 2.410 | 0.921 | 0.697 | 1.158 | 3.521 | 2.835 | 2.528 |
| 105.5 | 1.808 | 0.921 | 0.709 | 1.146 | 3.166 | 3.379 | 2.764 |
| 106.0 | 1.678 | 0.921 | 0.721 | 1.158 | 2.894 | 3.166 | 2.457 |
| 106.5 | 1.666 | 0.933 | 0.721 | 1.146 | 2.457 | 3.202 | 2.705 |
| 107.0 | 1.654 | 0.933 | 0.732 | 1.146 | 2.103 | 2.776 | 2.528 |
| 107.5 | 1.654 | 0.945 | 0.744 | 1.158 | 2.079 | 3.202 | 2.457 |
| 108.0 | 1.654 | 0.957 | 0.756 | 1.158 | 2.079 | 3.391 | 2.493 |
| 108.5 | 1.654 | 0.945 | 0.768 | 1.170 | 2.079 | 3.154 | 2.575 |
| 109.0 | 1.678 | 0.957 | 0.768 | 1.181 | 2.067 | 3.131 | 2.670 |
| 109.5 | 1.678 | 0.957 | 0.768 | 1.181 | 2.067 | 2.694 | 2.434 |
| 110.0 | 1.642 | 0.957 | 0.780 | 1.205 | 2.056 | 2.682 | 2.434 |
| 110.5 | 1.642 | 0.957 | 0.792 | 1.229 | 2.032 | 2.764 | 2.646 |
| 111.0 | 1.630 | 0.969 | 0.792 | 1.240 | 2.020 | 2.776 | 2.245 |
| 111.5 | 1.607 | 0.969 | 0.792 | 1.252 | 1.997 | 2.646 | 2.599 |
| 112.0 | 1.595 | 0.969 | 0.792 | 1.252 | 1.973 | 2.646 | 2.375 |
| 112.5 | 1.571 | 0.969 | 0.803 | 1.252 | 1.949 | 2.859 | 2.410 |
| 113.0 | 1.559 | 0.969 | 0.803 | 1.252 | 1.926 | 3.296 | 2.186 |
| 113.5 | 1.536 | 0.981 | 0.803 | 1.264 | 1.914 | 3.190 | 2.540 |
| 114.0 | 1.524 | 0.969 | 0.803 | 1.264 | 1.902 | 2.741 | 2.256 |
| 114.5 | 1.500 | 0.969 | 0.803 | 1.264 | 1.878 | 2.540 | 2.505 |
| 115.0 | 1.489 | 0.969 | 0.803 | 1.264 | 1.867 | 2.516 | 2.127 |
| 115.5 | 1.477 | 0.969 | 0.803 | 1.264 | 1.855 | 2.505 | 2.127 |
| 116.0 | 1.465 | 0.969 | 0.803 | 1.264 | 1.843 | 2.493 | 2.635 |
| 116.5 | 1.453 | 0.969 | 0.803 | 1.252 | 1.831 | 2.540 | 2.280 |
| 117.0 | 1.441 | 0.957 | 0.815 | 1.240 | 1.819 | 2.965 | 2.209 |
| 117.5 | 1.429 | 0.945 | 0.815 | 1.229 | 1.819 | 3.391 | 2.079 |
| 118.0 | 1.418 | 0.945 | 0.815 | 1.217 | 1.926 | 3.213 | 2.067 |
| 118.5 | 1.406 | 0.933 | 0.815 | 1.205 | 1.926 | 2.871 | 2.067 |
| 119.0 | 1.394 | 0.921 | 0.827 | 1.181 | 1.819 | 2.505 | 2.174 |
| 119.5 | 1.382 | 0.910 | 0.827 | 1.170 | 1.796 | 2.445 | 2.469 |
| 120.0 | 1.370 | 0.898 | 0.827 | 1.158 | 1.772 | 2.445 | 2.162 |
| 120.5 | 1.370 | 0.898 | 0.827 | 1.146 | 1.760 | 2.505 | 2.067 |
| 121.0 | 1.359 | 0.898 | 0.827 | 1.134 | 1.760 | 2.788 | 2.079 |
| 121.5 | 1.347 | 0.886 | 0.839 | 1.122 | 1.748 | 2.445 | 2.079 |
| 122.0 | 1.347 | 0.886 | 0.839 | 1.111 | 1.748 | 2.363 | 2.079 |
| 122.5 | 1.347 | 0.886 | 0.839 | 1.111 | 1.760 | 2.339 | 2.067 |
| 123.0 | 1.418 | 0.874 | 0.839 | 1.099 | 1.784 | 2.304 | 2.056 |
| 123.5 | 1.760 | 0.874 | 0.839 | 1.087 | 1.737 | 2.327 | 2.044 |
| 124.0 | 1.855 | 0.862 | 0.839 | 1.075 | 1.654 | 2.363 | 1.997 |

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**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 124.5 | 1.571 | 0.862 | 0.839 | 1.063 | 1.595 | 2.115 | 1.961 |
| 125.0 | 1.276 | 0.862 | 0.839 | 1.063 | 1.559 | 2.079 | 1.855 |
| 125.5 | 1.217 | 0.862 | 0.839 | 1.063 | 1.548 | 2.079 | 1.630 |
| 126.0 | 1.181 | 0.862 | 0.839 | 1.075 | 1.548 | 2.032 | 1.607 |
| 126.5 | 1.170 | 0.862 | 0.851 | 1.075 | 1.536 | 1.725 | 1.654 |
| 127.0 | 1.170 | 0.862 | 0.851 | 1.075 | 1.512 | 1.678 | 1.619 |
| 127.5 | 1.158 | 0.862 | 0.862 | 1.075 | 1.524 | 1.737 | 1.394 |
| 128.0 | 1.158 | 0.874 | 0.862 | 1.075 | 1.630 | 1.843 | 1.441 |
| 128.5 | 1.146 | 0.874 | 0.874 | 1.075 | 1.796 | 1.902 | 1.335 |
| 129.0 | 1.146 | 0.874 | 0.886 | 1.087 | 1.737 | 1.973 | 1.252 |
| 129.5 | 1.193 | 0.886 | 0.898 | 1.087 | 1.654 | 2.056 | 1.453 |
| 130.0 | 1.217 | 0.886 | 0.921 | 1.075 | 1.630 | 2.292 | 1.666 |
| 130.5 | 1.229 | 0.886 | 0.933 | 1.040 | 1.595 | 2.316 | 1.772 |
| 131.0 | 1.300 | 0.862 | 0.945 | 1.040 | 1.595 | 2.375 | 1.890 |
| 131.5 | 1.300 | 0.862 | 0.945 | 1.028 | 1.619 | 2.162 | 1.902 |
| 132.0 | 1.288 | 0.862 | 0.957 | 1.004 | 1.642 | 1.985 | 1.902 |
| 132.5 | 1.288 | 0.862 | 0.957 | 1.004 | 1.654 | 1.937 | 1.914 |
| 133.0 | 1.311 | 0.862 | 0.945 | 1.016 | 1.678 | 1.937 | 1.914 |
| 133.5 | 1.311 | 0.862 | 0.957 | 1.016 | 1.725 | 1.926 | 1.914 |
| 134.0 | 1.323 | 0.874 | 0.969 | 1.016 | 1.725 | 1.914 | 1.914 |
| 134.5 | 1.347 | 0.874 | 0.957 | 1.016 | 1.737 | 1.890 | 1.914 |
| 135.0 | 1.359 | 0.886 | 0.969 | 1.028 | 1.725 | 1.878 | 1.937 |
| 135.5 | 1.359 | 0.886 | 0.981 | 1.051 | 1.725 | 1.902 | 1.937 |
| 136.0 | 1.382 | 0.921 | 0.981 | 1.063 | 1.737 | 1.926 | 1.937 |
| 136.5 | 1.370 | 0.921 | 0.992 | 1.063 | 1.748 | 1.926 | 1.949 |
| 137.0 | 1.394 | 0.933 | 1.004 | 1.087 | 1.737 | 1.926 | 1.937 |
| 137.5 | 1.406 | 0.957 | 1.028 | 1.087 | 1.701 | 1.937 | 1.926 |
| 138.0 | 1.394 | 0.981 | 1.051 | 1.087 | 1.689 | 1.949 | 1.914 |
| 138.5 | 1.394 | 0.992 | 1.051 | 1.099 | 1.678 | 1.961 | 1.926 |
| 139.0 | 1.382 | 1.004 | 1.051 | 1.122 | 1.666 | 1.961 | 1.937 |
| 139.5 | 1.359 | 1.016 | 1.075 | 1.146 | 1.630 | 1.961 | 1.937 |
| 140.0 | 1.335 | 1.028 | 1.087 | 1.158 | 1.619 | 1.985 | 1.937 |
| 140.5 | 1.323 | 1.040 | 1.087 | 1.193 | 1.583 | 1.997 | 1.937 |
| 141.0 | 1.335 | 1.063 | 1.099 | 1.205 | 1.548 | 1.985 | 1.926 |
| 141.5 | 1.300 | 1.063 | 1.099 | 1.229 | 1.477 | 1.985 | 1.926 |
| 142.0 | 1.300 | 1.075 | 1.111 | 1.252 | 1.453 | 1.973 | 1.937 |
| 142.5 | 1.477 | 1.087 | 1.122 | 1.264 | 1.441 | 1.949 | 1.985 |
| 143.0 | 1.689 | 1.087 | 1.134 | 1.264 | 1.394 | 1.926 | 1.961 |
| 143.5 | 1.524 | 1.099 | 1.146 | 1.276 | 1.300 | 1.926 | 1.902 |
| 144.0 | 1.288 | 1.111 | 1.158 | 1.288 | 1.276 | 1.902 | 1.878 |
| 144.5 | 1.240 | 1.122 | 1.181 | 1.288 | 1.252 | 1.890 | 1.878 |
| 145.0 | 1.229 | 1.134 | 1.158 | 1.300 | 1.252 | 1.867 | 1.867 |
| 145.5 | 1.217 | 1.146 | 1.158 | 1.311 | 1.264 | 1.867 | 1.867 |
| 146.0 | 1.205 | 1.134 | 1.170 | 1.300 | 1.288 | 1.831 | 1.867 |
| 146.5 | 1.193 | 1.134 | 1.181 | 1.288 | 1.300 | 1.796 | 1.855 |
| 147.0 | 1.181 | 1.146 | 1.193 | 1.288 | 1.288 | 1.772 | 1.843 |
| 147.5 | 1.193 | 1.146 | 1.193 | 1.288 | 1.311 | 1.737 | 1.796 |
| 148.0 | 1.217 | 1.170 | 1.181 | 1.300 | 1.288 | 1.678 | 1.772 |
| 148.5 | 1.240 | 1.205 | 1.158 | 1.323 | 1.276 | 1.595 | 1.748 |
| 149.0 | 1.240 | 1.217 | 1.158 | 1.359 | 1.311 | 1.524 | 1.748 |
| 149.5 | 1.252 | 1.217 | 1.158 | 1.429 | 1.347 | 1.489 | 1.760 |
| 150.0 | 1.264 | 1.181 | 1.170 | 1.465 | 1.382 | 1.465 | 1.867 |
| 150.5 | 1.276 | 1.170 | 1.193 | 1.571 | 1.394 | 1.394 | 1.760 |
| 151.0 | 1.276 | 1.181 | 1.217 | 1.772 | 1.406 | 1.288 | 1.465 |
| 151.5 | 1.276 | 1.205 | 1.229 | 1.784 | 1.429 | 1.252 | 1.394 |
| 152.0 | 1.300 | 1.205 | 1.217 | 1.571 | 1.429 | 1.264 | 1.370 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LVL22H-40.IES**

**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 152.5 | 1.311 | 1.193 | 1.193 | 1.394 | 1.418 | 1.276 | 1.300 |
| 153.0 | 1.311 | 1.193 | 1.193 | 1.359 | 1.406 | 1.288 | 1.181 |
| 153.5 | 1.300 | 1.252 | 1.205 | 1.359 | 1.406 | 1.288 | 1.158 |
| 154.0 | 1.288 | 1.300 | 1.217 | 1.359 | 1.429 | 1.347 | 1.134 |
| 154.5 | 1.288 | 1.252 | 1.229 | 1.323 | 1.477 | 1.347 | 1.146 |
| 155.0 | 1.288 | 1.229 | 1.217 | 1.323 | 1.500 | 1.359 | 1.158 |
| 155.5 | 1.288 | 1.229 | 1.229 | 1.347 | 1.489 | 1.441 | 1.170 |
| 156.0 | 1.276 | 1.240 | 1.276 | 1.359 | 1.477 | 1.489 | 1.158 |
| 156.5 | 1.311 | 1.240 | 1.288 | 1.359 | 1.477 | 1.500 | 1.229 |
| 157.0 | 1.323 | 1.205 | 1.276 | 1.359 | 1.477 | 1.512 | 1.288 |
| 157.5 | 1.300 | 1.205 | 1.288 | 1.370 | 1.489 | 1.512 | 1.300 |
| 158.0 | 1.311 | 1.217 | 1.300 | 1.370 | 1.489 | 1.489 | 1.394 |
| 158.5 | 1.335 | 1.229 | 1.300 | 1.359 | 1.489 | 1.477 | 1.583 |
| 159.0 | 1.311 | 1.264 | 1.311 | 1.382 | 1.465 | 1.465 | 1.772 |
| 159.5 | 1.300 | 1.276 | 1.311 | 1.359 | 1.441 | 1.453 | 1.760 |
| 160.0 | 1.300 | 1.288 | 1.311 | 1.335 | 1.441 | 1.453 | 1.630 |
| 160.5 | 1.311 | 1.288 | 1.300 | 1.335 | 1.441 | 1.465 | 1.559 |
| 161.0 | 1.311 | 1.288 | 1.300 | 1.335 | 1.453 | 1.477 | 1.548 |
| 161.5 | 1.300 | 1.276 | 1.288 | 1.347 | 1.465 | 1.489 | 1.536 |
| 162.0 | 1.288 | 1.276 | 1.276 | 1.335 | 1.512 | 1.489 | 1.500 |
| 162.5 | 1.264 | 1.276 | 1.264 | 1.300 | 1.630 | 1.489 | 1.477 |
| 163.0 | 1.229 | 1.276 | 1.264 | 1.300 | 1.654 | 1.477 | 1.477 |
| 163.5 | 1.205 | 1.300 | 1.252 | 1.300 | 1.489 | 1.453 | 1.465 |
| 164.0 | 1.181 | 1.323 | 1.264 | 1.288 | 1.418 | 1.418 | 1.489 |
| 164.5 | 1.181 | 1.311 | 1.276 | 1.276 | 1.418 | 1.406 | 1.512 |
| 165.0 | 1.181 | 1.276 | 1.276 | 1.288 | 1.453 | 1.406 | 1.512 |
| 165.5 | 1.181 | 1.264 | 1.288 | 1.311 | 1.489 | 1.418 | 1.512 |
| 166.0 | 1.181 | 1.276 | 1.288 | 1.323 | 1.441 | 1.536 | 1.524 |
| 166.5 | 1.193 | 1.300 | 1.288 | 1.335 | 1.394 | 1.678 | 1.536 |
| 167.0 | 1.217 | 1.335 | 1.288 | 1.370 | 1.418 | 1.642 | 1.536 |
| 167.5 | 1.217 | 1.288 | 1.229 | 1.382 | 1.418 | 1.477 | 1.536 |
| 168.0 | 1.205 | 1.264 | 1.217 | 1.335 | 1.429 | 1.370 | 1.548 |
| 168.5 | 1.170 | 1.264 | 1.205 | 1.323 | 1.418 | 1.347 | 1.607 |
| 169.0 | 1.158 | 1.240 | 1.217 | 1.288 | 1.406 | 1.335 | 1.772 |
| 169.5 | 1.170 | 1.229 | 1.205 | 1.300 | 1.382 | 1.382 | 1.926 |
| 170.0 | 1.170 | 1.205 | 1.181 | 1.300 | 1.347 | 1.418 | 1.855 |
| 170.5 | 1.193 | 1.193 | 1.181 | 1.276 | 1.300 | 1.418 | 1.630 |
| 171.0 | 1.205 | 1.193 | 1.158 | 1.240 | 1.264 | 1.406 | 1.512 |
| 171.5 | 1.217 | 1.217 | 1.158 | 1.193 | 1.252 | 1.382 | 1.489 |
| 172.0 | 1.229 | 1.252 | 1.158 | 1.170 | 1.229 | 1.359 | 1.453 |
| 172.5 | 1.240 | 1.205 | 1.146 | 1.158 | 1.252 | 1.335 | 1.441 |
| 173.0 | 1.217 | 1.170 | 1.170 | 1.122 | 1.300 | 1.347 | 1.465 |
| 173.5 | 1.240 | 1.146 | 1.240 | 1.170 | 1.264 | 1.370 | 1.489 |
| 174.0 | 1.276 | 1.193 | 1.240 | 1.181 | 1.288 | 1.370 | 1.524 |
| 174.5 | 1.347 | 1.276 | 1.229 | 1.122 | 1.276 | 1.394 | 1.536 |
| 175.0 | 1.429 | 1.311 | 1.288 | 1.158 | 1.335 | 1.429 | 1.536 |
| 175.5 | 1.500 | 1.300 | 1.359 | 1.158 | 1.359 | 1.465 | 1.571 |
| 176.0 | 1.489 | 1.323 | 1.370 | 1.229 | 1.347 | 1.477 | 1.619 |
| 176.5 | 1.477 | 1.335 | 1.359 | 1.288 | 1.370 | 1.489 | 1.701 |
| 177.0 | 1.465 | 1.370 | 1.394 | 1.359 | 1.347 | 1.512 | 1.867 |
| 177.5 | 1.453 | 1.359 | 1.418 | 1.418 | 1.335 | 1.571 | 1.843 |
| 178.0 | 1.453 | 1.347 | 1.382 | 1.406 | 1.323 | 1.559 | 1.701 |
| 178.5 | 1.477 | 1.429 | 1.311 | 1.406 | 1.311 | 1.524 | 1.607 |
| 179.0 | 1.654 | 1.548 | 1.347 | 1.429 | 1.323 | 1.536 | 1.571 |
| 179.5 | 1.725 | 1.583 | 1.370 | 1.489 | 1.347 | 1.536 | 1.595 |
| 180.0 | 1.619 | 1.619 | 1.619 | 1.619 | 1.619 | 1.619 | 1.619 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LVL22H-40.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 510.81  | N.A.  | 13.40  |
| 0-30    | 1075.75 | N.A.  | 28.20  |
| 0-40    | 1745.86 | N.A.  | 45.80  |
| 0-60    | 3037.03 | N.A.  | 79.60  |
| 0-80    | 3742.59 | N.A.  | 98.10  |
| 0-90    | 3803.83 | N.A.  | 99.70  |
| 10-90   | 3670.85 | N.A.  | 96.30  |
| 20-40   | 1235.05 | N.A.  | 32.40  |
| 20-50   | 1918.77 | N.A.  | 50.30  |
| 40-70   | 1745.44 | N.A.  | 45.80  |
| 60-80   | 705.56  | N.A.  | 18.50  |
| 70-80   | 251.29  | N.A.  | 6.60   |
| 80-90   | 61.23   | N.A.  | 1.60   |
| 90-110  | 3.89    | N.A.  | 0.10   |
| 90-120  | 5.54    | N.A.  | 0.10   |
| 90-130  | 6.83    | N.A.  | 0.20   |
| 90-150  | 8.81    | N.A.  | 0.20   |
| 90-180  | 9.93    | N.A.  | 0.30   |
| 110-180 | 6.05    | N.A.  | 0.20   |
| 0-180   | 3813.76 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 132.98 |
| 10-20   | 377.83 |
| 20-30   | 564.94 |
| 30-40   | 670.11 |
| 40-50   | 683.72 |
| 50-60   | 607.44 |
| 60-70   | 454.27 |
| 70-80   | 251.29 |
| 80-90   | 61.23  |
| 90-100  | 1.91   |
| 100-110 | 1.98   |
| 110-120 | 1.65   |
| 120-130 | 1.29   |
| 130-140 | 1.10   |
| 140-150 | 0.88   |
| 150-160 | 0.61   |
| 160-170 | 0.38   |
| 170-180 | 0.13   |

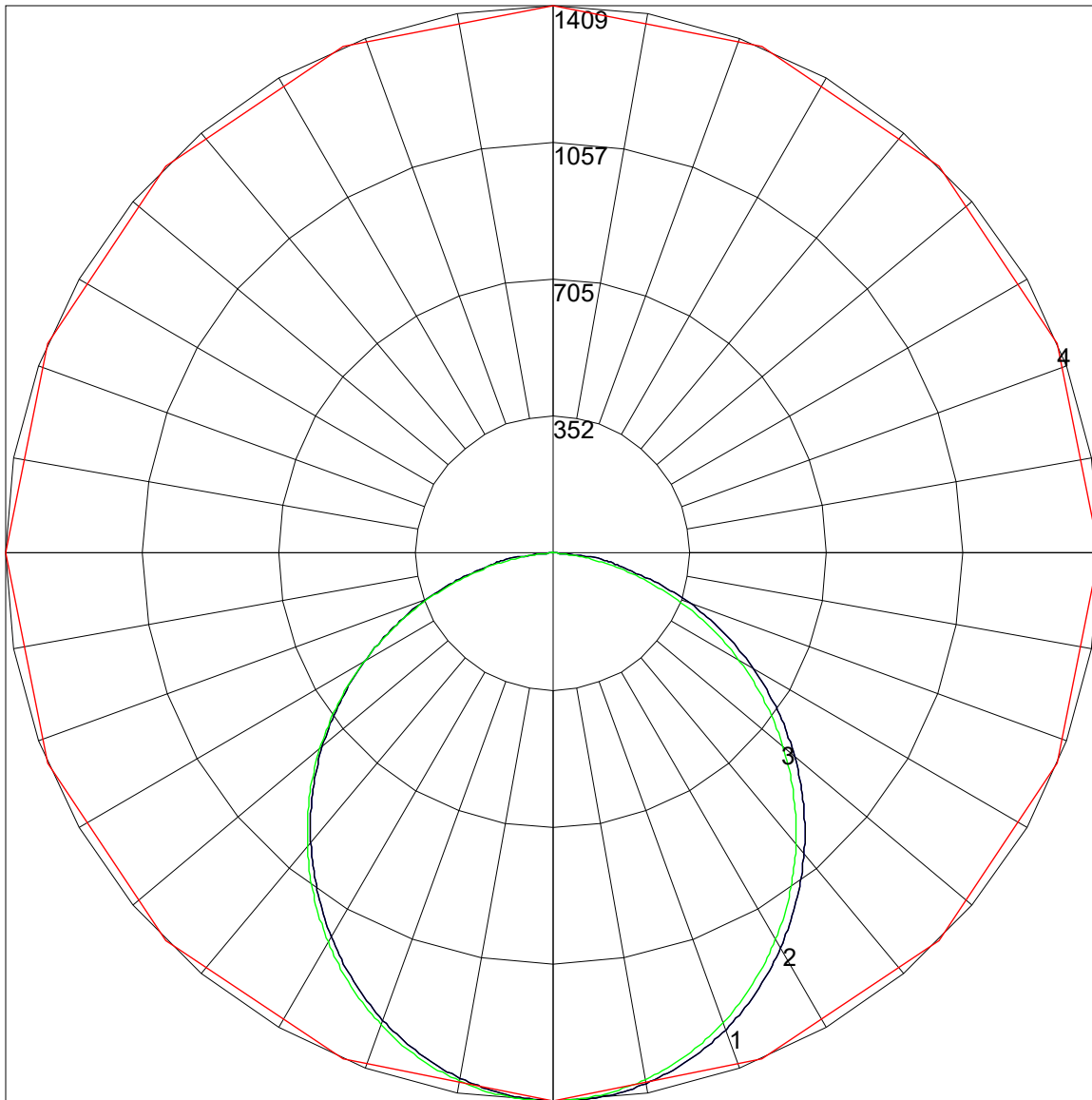
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LVL22H-40.IES**

**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  | 95  | 98  | 94  | 92  | 94  | 91  | 89  | 90  | 88  | 86  | 84  |
| 2  | 99  | 91  | 84  | 78  | 96  | 89  | 83  | 78  | 85  | 80  | 76  | 82  | 78  | 74  | 79  | 75  | 72  | 70  |
| 3  | 90  | 80  | 72  | 65  | 88  | 78  | 71  | 65  | 75  | 69  | 64  | 73  | 67  | 62  | 70  | 65  | 61  | 59  |
| 4  | 83  | 71  | 62  | 55  | 80  | 70  | 61  | 55  | 67  | 60  | 54  | 65  | 58  | 53  | 62  | 57  | 53  | 51  |
| 5  | 76  | 63  | 54  | 48  | 74  | 62  | 54  | 48  | 60  | 53  | 47  | 58  | 52  | 46  | 56  | 50  | 46  | 44  |
| 6  | 70  | 57  | 48  | 42  | 68  | 56  | 48  | 42  | 54  | 47  | 41  | 53  | 46  | 41  | 51  | 45  | 40  | 38  |
| 7  | 65  | 52  | 43  | 37  | 64  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 41  | 36  | 47  | 41  | 36  | 34  |
| 8  | 61  | 47  | 39  | 33  | 59  | 47  | 38  | 33  | 45  | 38  | 33  | 44  | 37  | 32  | 43  | 37  | 32  | 30  |
| 9  | 57  | 43  | 35  | 30  | 55  | 43  | 35  | 30  | 42  | 34  | 29  | 41  | 34  | 29  | 40  | 34  | 29  | 27  |
| 10 | 53  | 40  | 32  | 27  | 52  | 40  | 32  | 27  | 39  | 32  | 27  | 38  | 31  | 27  | 37  | 31  | 26  | 25  |

POLAR GRAPH



Maximum Candela = 1409.28 Located At Horizontal Angle = 90, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (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) (Through Max. Cd.)