

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L50-927U-L50-927D-DMA-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 4792073931.01  
[TESTLAB] UL, LLC  
[ISSUE DATE] 2026-07-20  
[TEST DATE] 12/30/2025  
[MANUFACT] H E Williams Inc  
[LUMCAT] CMH-4-00-L50-927U-L50-927D-DMA-DIM-UNV\_  
[LUMINAIRE] 4' wall mounted fixture with both up and down lighting  
[MORE] compartments  
[LAMP] (2) 56 LED boards - 112 Total LED  
[OTHER] This test was performed using the calibrated photodetector method  
[MORE] of absolute photometry.

### CHARACTERISTICS

|                                 |                     |
|---------------------------------|---------------------|
| Lumens Per Lamp                 | N.A. (absolute)     |
| Total Lamp Lumens               | N.A. (absolute)     |
| Luminaire Lumens                | 8013                |
| Total Luminaire Efficiency      | N.A.                |
| Luminaire Efficacy Rating (LER) | 95                  |
| Total Luminaire Watts           | 84                  |
| Ballast Factor                  | 1.00                |
| CIE Type                        | General Diffuse     |
| Spacing Criterion (0-180)       | N.A.                |
| Spacing Criterion (90-270)      | N.A.                |
| Spacing Criterion (Diagonal)    | N.A.                |
| Basic Luminous Shape            | Rectangular w/Sides |
| Luminous Length (0-180)         | 0.19 ft             |
| Luminous Width (90-270)         | 3.67 ft             |
| Luminous Height                 | 0.13 ft             |

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

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 16545            | 15667             | 15020             |
| 55                  | 16447            | 14992             | 13777             |
| 65                  | 16475            | 14472             | 12309             |
| 75                  | 16762            | 14145             | 10156             |
| 85                  | 17620            | 14468             | 7092              |

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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> |
|------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| 0.0  | 1199.248   | 1199.248    | 1199.248    | 1199.248    | 1199.248    | 1199.248     | 1199.248     | 1199.248     | 1199.248     |
| 0.5  | 1200.933   | 1202.935    | 1200.706    | 1205.274    | 1197.099    | 1203.318     | 1195.241     | 1195.177     | 1195.291     |
| 1.0  | 1204.203   | 1205.788    | 1205.113    | 1206.251    | 1196.361    | 1201.523     | 1191.811     | 1191.747     | 1191.941     |
| 1.5  | 1208.531   | 1209.618    | 1206.411    | 1208.864    | 1196.361    | 1198.173     | 1190.016     | 1187.580     | 1186.219     |
| 2.0  | 1212.201   | 1214.346    | 1209.344    | 1209.104    | 1195.464    | 1195.641     | 1186.746     | 1184.230     | 1182.869     |
| 2.5  | 1217.506   | 1217.599    | 1213.255    | 1210.161    | 1194.647    | 1194.006     | 1183.476     | 1181.778     | 1179.679     |
| 3.0  | 1221.016   | 1222.487    | 1216.347    | 1210.402    | 1193.829    | 1192.371     | 1181.023     | 1176.873     | 1175.512     |
| 3.5  | 1225.664   | 1226.797    | 1218.623    | 1213.174    | 1193.829    | 1189.021     | 1176.936     | 1173.523     | 1173.059     |
| 4.0  | 1231.786   | 1231.108    | 1222.533    | 1213.415    | 1192.114    | 1185.751     | 1175.301     | 1169.436     | 1167.337     |
| 4.5  | 1234.559   | 1234.681    | 1225.626    | 1212.917    | 1191.297    | 1184.934     | 1171.214     | 1165.348     | 1162.352     |
| 5.0  | 1236.097   | 1239.152    | 1228.302    | 1215.610    | 1189.662    | 1180.847     | 1166.309     | 1161.181     | 1157.527     |
| 5.5  | 1241.803   | 1242.806    | 1229.183    | 1215.930    | 1187.209    | 1176.759     | 1163.857     | 1157.094     | 1155.075     |
| 6.0  | 1245.633   | 1245.722    | 1231.538    | 1215.433    | 1185.494    | 1175.862     | 1160.587     | 1153.744     | 1150.090     |
| 6.5  | 1248.726   | 1251.250    | 1233.974    | 1215.016    | 1183.939    | 1172.672     | 1156.339     | 1147.941     | 1145.266     |
| 7.0  | 1251.819   | 1254.743    | 1235.592    | 1215.176    | 1183.042    | 1170.059     | 1152.252     | 1142.957     | 1139.463     |
| 7.5  | 1254.975   | 1257.659    | 1237.290    | 1214.839    | 1178.874    | 1165.972     | 1147.347     | 1138.869     | 1133.741     |
| 8.0  | 1261.047   | 1259.758    | 1239.388    | 1212.707    | 1176.422    | 1161.885     | 1143.260     | 1133.884     | 1128.019     |
| 8.5  | 1266.428   | 1262.834    | 1241.487    | 1213.925    | 1175.605    | 1159.432     | 1139.092     | 1128.979     | 1122.377     |
| 9.0  | 1273.781   | 1266.070    | 1243.345    | 1212.610    | 1171.517    | 1155.265     | 1134.108     | 1122.360     | 1116.654     |
| 9.5  | 1277.418   | 1268.889    | 1244.466    | 1213.010    | 1168.985    | 1150.360     | 1129.203     | 1117.375     | 1115.019     |
| 10.0 | 1281.471   | 1273.263    | 1245.507    | 1211.856    | 1166.532    | 1147.010     | 1125.116     | 1112.470     | 1106.027     |
| 10.5 | 1285.445   | 1275.842    | 1247.365    | 1210.621    | 1162.445    | 1143.003     | 1120.131     | 1106.668     | 1102.020     |
| 11.0 | 1287.864   | 1277.683    | 1248.486    | 1208.649    | 1160.730    | 1138.835     | 1114.328     | 1102.580     | 1096.298     |
| 11.5 | 1290.042   | 1280.582    | 1248.790    | 1206.677    | 1155.825    | 1133.931     | 1109.504     | 1095.961     | 1088.940     |
| 12.0 | 1291.403   | 1282.664    | 1249.910    | 1206.340    | 1152.555    | 1131.398     | 1104.519     | 1090.238     | 1082.481     |
| 12.5 | 1296.114   | 1286.381    | 1250.294    | 1204.368    | 1150.023    | 1124.778     | 1098.796     | 1084.516     | 1076.759     |
| 13.0 | 1298.773   | 1288.382    | 1250.838    | 1202.396    | 1146.753    | 1120.691     | 1092.994     | 1077.896     | 1068.744     |
| 13.5 | 1300.855   | 1291.041    | 1251.381    | 1201.241    | 1141.031    | 1115.786     | 1088.009     | 1071.276     | 1063.999     |
| 14.0 | 1304.812   | 1292.723    | 1252.005    | 1199.349    | 1138.498    | 1109.167     | 1080.652     | 1064.737     | 1056.882     |
| 14.5 | 1307.551   | 1294.484    | 1250.833    | 1196.480    | 1134.411    | 1105.079     | 1074.850     | 1058.197     | 1049.605     |
| 15.0 | 1307.597   | 1295.348    | 1251.217    | 1194.588    | 1128.609    | 1100.094     | 1069.128     | 1051.657     | 1042.328     |
| 15.5 | 1309.295   | 1296.292    | 1251.103    | 1190.901    | 1123.704    | 1095.110     | 1062.508     | 1044.300     | 1038.241     |
| 16.0 | 1310.016   | 1298.053    | 1250.172    | 1187.871    | 1119.537    | 1089.387     | 1057.523     | 1037.760     | 1028.351     |
| 16.5 | 1313.539   | 1299.815    | 1251.693    | 1186.797    | 1115.449    | 1083.665     | 1050.983     | 1032.038     | 1023.446     |
| 17.0 | 1317.399   | 1299.124    | 1251.580    | 1183.110    | 1111.362    | 1077.045     | 1045.181     | 1024.601     | 1018.622     |
| 17.5 | 1318.005   | 1301.783    | 1250.568    | 1178.525    | 1105.560    | 1072.878     | 1037.744     | 1019.616     | 1010.367     |
| 18.0 | 1320.327   | 1301.092    | 1249.557    | 1176.633    | 1099.837    | 1064.623     | 1030.386     | 1012.259     | 1004.645     |
| 18.5 | 1323.467   | 1302.116    | 1248.306    | 1173.106    | 1094.035    | 1059.718     | 1027.036     | 1008.172     | 997.207      |
| 19.0 | 1322.679   | 1303.140    | 1248.032    | 1170.557    | 1089.130    | 1053.099     | 1020.497     | 1000.814     | 989.850      |
| 19.5 | 1326.379   | 1303.266    | 1245.963    | 1167.270    | 1083.328    | 1048.114     | 1013.059     | 993.457      | 981.595      |
| 20.0 | 1328.203   | 1302.735    | 1245.689    | 1162.926    | 1078.423    | 1041.574     | 1009.790     | 986.100      | 974.238      |
| 20.5 | 1328.730   | 1303.759    | 1242.883    | 1159.399    | 1073.438    | 1034.954     | 1002.352     | 978.663      | 965.984      |
| 21.0 | 1329.177   | 1303.148    | 1241.791    | 1154.558    | 1066.081    | 1028.414     | 994.995      | 971.306      | 958.626      |
| 21.5 | 1330.521   | 1303.515    | 1239.803    | 1152.088    | 1061.096    | 1025.064     | 988.455      | 963.131      | 950.452      |
| 22.0 | 1332.265   | 1303.224    | 1237.894    | 1148.882    | 1054.556    | 1016.890     | 981.018      | 955.774      | 942.197      |
| 22.5 | 1333.273   | 1302.934    | 1235.905    | 1144.697    | 1047.937    | 1011.007     | 973.581      | 948.416      | 934.840      |
| 23.0 | 1332.565   | 1303.380    | 1233.996    | 1140.433    | 1042.134    | 1002.833     | 966.224      | 940.242      | 926.585      |
| 23.5 | 1332.755   | 1302.512    | 1232.825    | 1134.534    | 1034.777    | 999.563      | 958.787      | 932.067      | 918.410      |
| 24.0 | 1333.682   | 1302.382    | 1230.099    | 1131.408    | 1029.872    | 992.943      | 951.349      | 924.630      | 909.418      |
| 24.5 | 1334.208   | 1302.091    | 1228.190    | 1126.646    | 1022.435    | 985.586      | 943.992      | 916.535      | 902.061      |
| 25.0 | 1333.100   | 1301.881    | 1224.646    | 1123.199    | 1019.983    | 978.069      | 936.555      | 908.280      | 893.806      |
| 25.5 | 1331.175   | 1300.035    | 1222.737    | 1119.015    | 1014.180    | 970.711      | 929.198      | 900.106      | 884.814      |
| 26.0 | 1331.702   | 1299.584    | 1220.011    | 1112.378    | 1008.458    | 963.274      | 920.943      | 892.749      | 877.377      |
| 26.5 | 1330.674   | 1297.499    | 1217.365    | 1107.297    | 1001.021    | 955.917      | 913.506      | 884.574      | 868.305      |

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## CANDELA TABULATION - (Cont.)

|      |          |          |          |          |         |         |         |         |         |
|------|----------|----------|----------|----------|---------|---------|---------|---------|---------|
| 27.0 | 1328.828 | 1296.230 | 1215.616 | 1103.112 | 993.584 | 948.400 | 905.331 | 876.399 | 860.130 |
| 27.5 | 1328.777 | 1295.780 | 1210.678 | 1098.928 | 986.964 | 941.042 | 897.894 | 868.145 | 851.875 |
| 28.0 | 1329.304 | 1293.694 | 1207.454 | 1091.394 | 979.607 | 932.788 | 890.456 | 859.970 | 842.883 |
| 28.5 | 1327.139 | 1291.608 | 1204.968 | 1087.947 | 973.067 | 925.431 | 882.282 | 851.795 | 834.629 |
| 29.0 | 1325.373 | 1291.157 | 1202.482 | 1081.311 | 964.892 | 917.993 | 874.107 | 842.803 | 826.454 |
| 29.5 | 1325.002 | 1287.437 | 1199.339 | 1074.514 | 957.455 | 909.819 | 865.852 | 834.629 | 817.870 |
| 30.0 | 1324.374 | 1285.191 | 1196.035 | 1070.249 | 950.018 | 901.484 | 858.495 | 826.374 | 809.372 |
| 30.5 | 1322.289 | 1283.345 | 1192.732 | 1064.430 | 942.660 | 894.127 | 850.240 | 818.117 | 801.196 |
| 31.0 | 1321.998 | 1282.077 | 1189.508 | 1058.451 | 935.303 | 885.872 | 842.066 | 809.861 | 792.696 |
| 31.5 | 1320.233 | 1280.649 | 1184.570 | 1055.822 | 927.866 | 877.697 | 833.891 | 801.768 | 784.278 |
| 32.0 | 1317.490 | 1278.563 | 1182.164 | 1049.025 | 919.691 | 870.260 | 825.636 | 793.346 | 776.183 |
| 32.5 | 1318.016 | 1275.660 | 1177.963 | 1045.578 | 912.254 | 862.005 | 817.380 | 785.172 | 767.603 |
| 33.0 | 1313.558 | 1274.471 | 1174.499 | 1039.759 | 904.897 | 853.831 | 809.124 | 776.590 | 759.020 |
| 33.5 | 1314.325 | 1270.671 | 1170.218 | 1033.042 | 896.642 | 845.576 | 800.949 | 768.334 | 750.763 |
| 34.0 | 1313.217 | 1267.848 | 1165.120 | 1027.143 | 888.468 | 837.401 | 792.694 | 760.241 | 742.182 |
| 34.5 | 1310.634 | 1264.944 | 1160.021 | 1020.346 | 880.213 | 829.964 | 784.438 | 751.821 | 733.843 |
| 35.0 | 1307.571 | 1262.041 | 1156.637 | 1013.630 | 872.038 | 821.544 | 776.345 | 743.564 | 725.750 |
| 35.5 | 1305.645 | 1260.035 | 1153.094 | 1007.731 | 864.681 | 813.289 | 768.252 | 735.226 | 717.249 |
| 36.0 | 1302.565 | 1255.497 | 1148.155 | 1001.014 | 856.506 | 805.033 | 759.996 | 727.052 | 708.749 |
| 36.5 | 1300.800 | 1252.594 | 1144.692 | 994.297  | 847.514 | 796.778 | 751.414 | 719.041 | 700.329 |
| 37.0 | 1297.976 | 1250.589 | 1138.696 | 987.500  | 839.260 | 788.767 | 743.403 | 710.622 | 691.827 |
| 37.5 | 1295.474 | 1246.130 | 1133.517 | 980.784  | 831.085 | 780.267 | 735.228 | 702.121 | 683.818 |
| 38.0 | 1294.446 | 1242.410 | 1130.213 | 974.067  | 822.910 | 772.011 | 726.890 | 694.110 | 675.154 |
| 38.5 | 1289.330 | 1239.587 | 1123.480 | 967.350  | 814.574 | 763.591 | 718.715 | 685.773 | 666.571 |
| 39.0 | 1286.827 | 1237.581 | 1119.119 | 959.816  | 806.072 | 755.500 | 710.377 | 677.598 | 658.233 |
| 39.5 | 1283.267 | 1233.043 | 1119.742 | 953.019  | 797.816 | 747.243 | 702.366 | 669.260 | 649.976 |
| 40.0 | 1282.319 | 1230.220 | 1114.724 | 946.303  | 789.314 | 738.741 | 694.275 | 661.087 | 641.965 |
| 40.5 | 1277.363 | 1227.236 | 1109.705 | 938.769  | 780.814 | 730.487 | 685.855 | 652.911 | 633.709 |
| 41.0 | 1273.643 | 1222.938 | 1104.527 | 931.972  | 772.558 | 722.230 | 677.680 | 644.656 | 625.292 |
| 41.5 | 1269.505 | 1219.218 | 1099.508 | 924.598  | 763.893 | 713.649 | 669.342 | 636.645 | 617.198 |
| 42.0 | 1268.477 | 1216.235 | 1093.512 | 917.961  | 755.473 | 705.799 | 661.169 | 628.309 | 609.106 |
| 42.5 | 1265.076 | 1212.594 | 1088.414 | 911.325  | 746.971 | 697.463 | 652.913 | 619.970 | 601.094 |
| 43.0 | 1260.859 | 1206.421 | 1083.155 | 904.848  | 738.471 | 689.043 | 644.738 | 612.123 | 592.595 |
| 43.5 | 1258.853 | 1203.518 | 1078.136 | 897.474  | 729.561 | 680.623 | 636.318 | 603.705 | 584.664 |
| 44.0 | 1254.555 | 1199.797 | 1072.300 | 890.100  | 721.222 | 672.368 | 627.898 | 595.448 | 576.898 |
| 44.5 | 1251.155 | 1196.157 | 1066.224 | 882.646  | 712.557 | 664.194 | 619.643 | 587.357 | 568.807 |
| 45.0 | 1248.652 | 1193.253 | 1061.206 | 875.929  | 704.056 | 655.530 | 611.469 | 579.019 | 560.878 |
| 45.5 | 1243.296 | 1187.978 | 1055.290 | 868.559  | 695.556 | 647.190 | 602.967 | 571.008 | 552.541 |
| 46.0 | 1242.926 | 1184.337 | 1049.373 | 861.270  | 686.891 | 638.770 | 594.793 | 562.915 | 544.530 |
| 46.5 | 1237.970 | 1182.251 | 1044.275 | 853.897  | 678.306 | 630.434 | 586.373 | 554.660 | 536.846 |
| 47.0 | 1236.125 | 1180.983 | 1038.359 | 846.363  | 669.397 | 622.096 | 578.116 | 546.729 | 529.082 |
| 47.5 | 1233.382 | 1177.583 | 1032.363 | 839.235  | 660.568 | 613.594 | 569.861 | 538.556 | 520.825 |
| 48.0 | 1230.061 | 1172.804 | 1026.687 | 832.106  | 651.821 | 604.849 | 561.767 | 530.790 | 512.814 |
| 48.5 | 1224.706 | 1168.506 | 1020.531 | 824.895  | 643.238 | 596.347 | 553.349 | 522.699 | 504.885 |
| 49.0 | 1221.385 | 1163.968 | 1014.695 | 817.439  | 634.656 | 587.928 | 545.092 | 514.851 | 496.792 |
| 49.5 | 1218.145 | 1159.430 | 1008.699 | 809.985  | 625.991 | 579.671 | 536.999 | 506.923 | 489.108 |
| 50.0 | 1218.592 | 1155.870 | 1002.703 | 802.695  | 617.244 | 571.253 | 528.908 | 498.994 | 481.015 |
| 50.5 | 1212.739 | 1151.332 | 996.867  | 795.162  | 608.579 | 562.588 | 520.570 | 491.471 | 473.169 |
| 51.0 | 1211.631 | 1146.954 | 991.031  | 787.873  | 599.996 | 554.250 | 512.477 | 483.462 | 465.241 |
| 51.5 | 1207.573 | 1142.495 | 984.217  | 780.338  | 591.412 | 545.666 | 504.221 | 475.533 | 457.557 |
| 52.0 | 1203.515 | 1137.140 | 978.141  | 772.478  | 582.665 | 537.410 | 496.291 | 467.768 | 450.036 |
| 52.5 | 1200.035 | 1132.682 | 972.305  | 765.107  | 574.082 | 529.073 | 488.200 | 460.002 | 442.188 |
| 53.0 | 1195.737 | 1128.064 | 965.571  | 757.410  | 565.417 | 520.572 | 480.025 | 452.236 | 434.259 |
| 53.5 | 1191.439 | 1123.686 | 959.494  | 749.796  | 556.997 | 511.988 | 471.851 | 444.552 | 426.331 |
| 54.0 | 1187.461 | 1119.068 | 953.170  | 742.016  | 548.252 | 503.732 | 463.758 | 436.623 | 419.299 |
| 54.5 | 1183.163 | 1114.032 | 946.600  | 734.155  | 539.832 | 495.557 | 455.748 | 429.022 | 411.537 |

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## CANDELA TABULATION - (Cont.)

|      |          |          |         |         |         |         |         |         |         |
|------|----------|----------|---------|---------|---------|---------|---------|---------|---------|
| 55.0 | 1179.026 | 1109.414 | 940.359 | 726.541 | 531.249 | 487.057 | 447.655 | 421.175 | 403.688 |
| 55.5 | 1174.808 | 1104.058 | 934.196 | 718.598 | 522.747 | 478.476 | 439.646 | 413.409 | 396.167 |
| 56.0 | 1170.670 | 1099.600 | 927.791 | 710.902 | 514.082 | 470.217 | 431.715 | 405.970 | 388.239 |
| 56.5 | 1166.692 | 1094.245 | 921.139 | 702.877 | 505.497 | 461.799 | 423.460 | 397.959 | 380.964 |
| 57.0 | 1162.474 | 1089.867 | 914.573 | 694.934 | 496.833 | 453.541 | 415.774 | 390.603 | 373.768 |
| 57.5 | 1157.439 | 1084.591 | 908.245 | 686.993 | 488.330 | 444.961 | 407.928 | 382.674 | 365.841 |
| 58.0 | 1152.981 | 1079.156 | 901.758 | 678.805 | 479.503 | 436.621 | 399.835 | 375.235 | 358.238 |
| 58.5 | 1149.003 | 1073.880 | 895.111 | 670.864 | 470.838 | 428.365 | 392.069 | 367.632 | 350.554 |
| 59.0 | 1144.785 | 1068.765 | 888.216 | 662.676 | 462.009 | 420.028 | 384.303 | 359.948 | 343.278 |
| 59.5 | 1139.830 | 1063.249 | 881.806 | 654.490 | 453.099 | 411.608 | 376.619 | 352.509 | 335.839 |
| 60.0 | 1134.475 | 1057.893 | 874.913 | 646.548 | 444.352 | 403.108 | 368.935 | 344.988 | 328.319 |
| 60.5 | 1129.599 | 1052.618 | 868.508 | 638.607 | 435.687 | 394.770 | 361.089 | 337.549 | 320.798 |
| 61.0 | 1125.381 | 1047.259 | 861.858 | 630.828 | 427.103 | 386.351 | 353.241 | 330.029 | 313.359 |
| 61.5 | 1120.266 | 1041.903 | 855.208 | 622.805 | 418.356 | 378.176 | 345.394 | 322.508 | 305.839 |
| 62.0 | 1114.333 | 1036.221 | 848.231 | 614.617 | 409.771 | 369.758 | 337.873 | 314.989 | 298.645 |
| 62.5 | 1109.298 | 1030.616 | 841.659 | 606.594 | 400.943 | 361.501 | 330.025 | 307.387 | 291.042 |
| 63.0 | 1104.263 | 1025.257 | 835.094 | 598.571 | 392.441 | 353.000 | 322.179 | 299.948 | 283.767 |
| 63.5 | 1099.227 | 1019.330 | 828.444 | 590.546 | 383.776 | 344.580 | 314.493 | 292.589 | 276.246 |
| 64.0 | 1094.272 | 1013.565 | 821.467 | 582.523 | 375.111 | 336.568 | 306.728 | 284.986 | 269.218 |
| 64.5 | 1088.419 | 1007.883 | 814.900 | 574.500 | 366.529 | 328.230 | 298.798 | 277.548 | 262.431 |
| 65.0 | 1082.813 | 1002.200 | 807.679 | 566.150 | 357.864 | 320.056 | 290.869 | 270.190 | 254.829 |
| 65.5 | 1077.129 | 996.191  | 801.028 | 557.882 | 349.117 | 311.717 | 283.266 | 262.751 | 247.635 |
| 66.0 | 1071.603 | 990.016  | 794.296 | 549.861 | 340.614 | 303.381 | 275.337 | 255.476 | 240.605 |
| 66.5 | 1066.401 | 984.090  | 787.159 | 541.756 | 332.114 | 295.043 | 267.736 | 247.955 | 233.575 |
| 67.0 | 1060.548 | 978.160  | 780.507 | 533.652 | 323.611 | 286.868 | 260.296 | 240.762 | 226.790 |
| 67.5 | 1054.861 | 972.231  | 773.366 | 525.302 | 315.107 | 278.857 | 252.693 | 233.486 | 219.678 |
| 68.0 | 1049.253 | 966.061  | 766.393 | 517.035 | 306.198 | 270.928 | 245.011 | 226.292 | 212.402 |
| 68.5 | 1043.318 | 959.886  | 759.499 | 508.849 | 297.615 | 262.589 | 237.327 | 219.099 | 205.208 |
| 69.0 | 1038.123 | 953.797  | 752.277 | 500.827 | 289.195 | 254.660 | 229.724 | 211.905 | 198.587 |
| 69.5 | 1032.270 | 947.869  | 745.545 | 492.886 | 280.775 | 246.485 | 222.529 | 204.875 | 191.720 |
| 70.0 | 1026.743 | 941.692  | 738.326 | 484.945 | 272.274 | 238.556 | 215.091 | 197.845 | 184.852 |
| 70.5 | 1021.052 | 935.439  | 731.349 | 476.922 | 263.855 | 230.465 | 207.734 | 190.651 | 177.742 |
| 71.0 | 1015.526 | 929.264  | 724.292 | 468.659 | 255.352 | 222.617 | 200.377 | 183.866 | 170.875 |
| 71.5 | 1009.915 | 923.090  | 716.911 | 460.719 | 247.341 | 214.769 | 193.185 | 177.081 | 164.090 |
| 72.0 | 1003.825 | 916.513  | 710.016 | 453.023 | 239.001 | 206.922 | 185.990 | 170.296 | 157.875 |
| 72.5 | 998.051  | 910.500  | 702.959 | 445.166 | 230.092 | 199.156 | 178.878 | 163.756 | 150.927 |
| 73.0 | 992.041  | 904.165  | 696.065 | 437.551 | 222.079 | 191.553 | 171.929 | 156.889 | 144.387 |
| 73.5 | 986.187  | 897.667  | 689.093 | 429.692 | 213.825 | 184.196 | 164.899 | 150.186 | 137.684 |
| 74.0 | 980.414  | 891.412  | 681.874 | 421.836 | 205.730 | 176.757 | 157.951 | 143.808 | 131.310 |
| 74.5 | 974.159  | 884.837  | 674.897 | 414.062 | 197.882 | 169.400 | 151.166 | 137.350 | 125.342 |
| 75.0 | 968.225  | 878.582  | 667.601 | 406.527 | 189.953 | 162.043 | 144.462 | 130.976 | 118.884 |
| 75.5 | 962.130  | 872.084  | 660.629 | 398.673 | 182.185 | 154.849 | 137.757 | 124.436 | 112.751 |
| 76.0 | 955.955  | 865.831  | 653.981 | 390.980 | 174.420 | 147.819 | 130.974 | 118.305 | 106.784 |
| 76.5 | 949.772  | 859.252  | 646.847 | 383.690 | 166.654 | 140.870 | 124.271 | 111.929 | 100.900 |
| 77.0 | 943.516  | 853.083  | 639.875 | 375.917 | 159.131 | 133.922 | 118.056 | 105.961 | 95.421  |
| 77.5 | 937.257  | 846.588  | 632.905 | 368.710 | 151.447 | 127.055 | 111.600 | 99.912  | 89.699  |
| 78.0 | 931.164  | 840.336  | 626.176 | 361.344 | 144.253 | 120.189 | 105.306 | 94.108  | 84.140  |
| 78.5 | 924.579  | 833.845  | 619.528 | 354.382 | 136.978 | 113.485 | 99.093  | 88.384  | 78.581  |
| 79.0 | 918.406  | 827.188  | 612.721 | 347.019 | 129.946 | 107.028 | 92.962  | 82.662  | 72.941  |
| 79.5 | 912.148  | 820.938  | 606.074 | 339.897 | 122.834 | 100.651 | 86.993  | 76.940  | 67.791  |
| 80.0 | 905.733  | 814.606  | 599.351 | 332.860 | 115.802 | 94.437  | 81.189  | 71.544  | 62.559  |
| 80.5 | 899.315  | 808.198  | 592.624 | 326.226 | 109.017 | 88.224  | 75.466  | 66.149  | 57.491  |
| 81.0 | 893.303  | 802.030  | 586.388 | 319.595 | 102.476 | 82.175  | 69.908  | 60.917  | 52.259  |
| 81.5 | 887.129  | 795.373  | 579.910 | 312.965 | 96.100  | 76.369  | 64.429  | 55.767  | 47.191  |
| 82.0 | 880.874  | 789.207  | 573.673 | 306.335 | 89.805  | 70.647  | 58.954  | 50.699  | 42.451  |
| 82.5 | 875.266  | 783.613  | 567.522 | 299.949 | 83.511  | 65.170  | 53.884  | 46.038  | 37.952  |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L50-927U-L50-927D-DMA-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

|       |          |         |         |         |         |         |         |         |         |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 83.0  | 869.178  | 777.608 | 561.207 | 293.969 | 77.461  | 59.611  | 48.816  | 41.297  | 33.294  |
| 83.5  | 863.416  | 771.522 | 555.056 | 288.072 | 71.657  | 54.214  | 43.992  | 36.637  | 28.798  |
| 84.0  | 857.813  | 765.765 | 549.232 | 282.179 | 66.017  | 49.064  | 39.251  | 32.141  | 24.382  |
| 84.5  | 852.047  | 759.845 | 543.328 | 276.285 | 60.458  | 44.078  | 34.428  | 27.645  | 20.296  |
| 85.0  | 846.608  | 753.844 | 537.505 | 270.718 | 55.063  | 39.255  | 29.850  | 23.476  | 16.616  |
| 85.5  | 841.249  | 748.330 | 531.436 | 265.151 | 49.749  | 34.431  | 25.434  | 19.470  | 13.346  |
| 86.0  | 835.895  | 743.056 | 525.613 | 259.829 | 44.599  | 29.772  | 21.183  | 15.873  | 10.975  |
| 86.5  | 830.938  | 738.263 | 520.360 | 254.507 | 39.613  | 25.274  | 17.096  | 13.092  | 9.339   |
| 87.0  | 826.382  | 734.915 | 515.179 | 249.592 | 34.871  | 20.860  | 13.499  | 10.885  | 8.276   |
| 87.5  | 823.106  | 732.370 | 511.288 | 244.515 | 30.130  | 16.607  | 10.963  | 9.494   | 7.620   |
| 88.0  | 821.520  | 731.190 | 508.515 | 239.519 | 25.307  | 12.438  | 9.165   | 8.513   | 7.290   |
| 88.5  | 820.326  | 730.326 | 506.781 | 235.161 | 20.484  | 9.005   | 8.182   | 7.777   | 6.883   |
| 89.0  | 819.618  | 730.110 | 506.338 | 232.168 | 15.578  | 7.370   | 7.610   | 7.530   | 6.799   |
| 89.5  | 819.475  | 729.974 | 505.973 | 231.176 | 11.405  | 6.796   | 7.365   | 7.285   | 6.718   |
| 90.0  | 819.569  | 729.918 | 506.015 | 231.233 | 9.755   | 6.633   | 7.282   | 7.283   | 6.798   |
| 90.5  | 818.938  | 730.108 | 506.063 | 231.698 | 11.588  | 6.631   | 7.280   | 7.282   | 6.714   |
| 91.0  | 819.281  | 730.706 | 506.674 | 233.874 | 15.590  | 6.709   | 7.198   | 7.362   | 6.714   |
| 91.5  | 819.462  | 731.793 | 508.021 | 237.687 | 20.393  | 7.990   | 7.278   | 7.280   | 6.633   |
| 92.0  | 820.458  | 733.531 | 511.081 | 242.237 | 25.037  | 10.310  | 7.518   | 7.198   | 6.793   |
| 92.5  | 821.534  | 736.490 | 515.283 | 246.787 | 29.519  | 14.073  | 8.157   | 7.438   | 6.953   |
| 93.0  | 823.754  | 740.189 | 520.298 | 252.065 | 34.001  | 18.477  | 9.758   | 7.758   | 7.513   |
| 93.5  | 826.627  | 744.862 | 525.640 | 256.775 | 38.645  | 22.881  | 12.481  | 8.637   | 8.794   |
| 94.0  | 830.886  | 750.188 | 531.140 | 262.129 | 43.529  | 27.364  | 16.163  | 10.399  | 11.276  |
| 94.5  | 836.043  | 755.597 | 536.313 | 267.403 | 48.492  | 31.686  | 20.407  | 13.203  | 14.719  |
| 95.0  | 841.444  | 761.406 | 542.380 | 272.674 | 53.617  | 36.410  | 24.729  | 16.564  | 18.560  |
| 95.5  | 846.845  | 767.297 | 548.201 | 278.188 | 58.901  | 41.215  | 29.212  | 20.647  | 22.966  |
| 96.0  | 852.489  | 772.781 | 553.939 | 283.861 | 64.345  | 46.017  | 34.018  | 25.052  | 27.289  |
| 96.5  | 857.969  | 778.427 | 559.840 | 289.777 | 69.948  | 51.061  | 38.742  | 29.454  | 31.933  |
| 97.0  | 863.530  | 784.156 | 565.741 | 295.772 | 75.713  | 56.105  | 43.626  | 34.098  | 36.657  |
| 97.5  | 869.253  | 790.040 | 571.722 | 301.765 | 81.719  | 61.470  | 48.589  | 38.983  | 41.300  |
| 98.0  | 874.808  | 795.927 | 577.707 | 308.159 | 87.642  | 66.914  | 53.553  | 43.707  | 46.022  |
| 98.5  | 880.689  | 801.973 | 584.010 | 314.634 | 93.969  | 72.519  | 58.756  | 48.669  | 51.148  |
| 99.0  | 886.489  | 808.101 | 590.313 | 321.025 | 100.534 | 78.523  | 64.122  | 53.714  | 56.272  |
| 99.5  | 892.289  | 814.065 | 596.695 | 327.740 | 107.098 | 84.448  | 69.645  | 58.999  | 61.638  |
| 100.0 | 898.087  | 820.191 | 603.238 | 334.533 | 113.823 | 90.693  | 75.169  | 64.284  | 66.761  |
| 100.5 | 903.886  | 826.396 | 609.698 | 341.326 | 120.709 | 96.938  | 80.934  | 69.568  | 72.205  |
| 101.0 | 910.007  | 832.440 | 616.321 | 348.360 | 127.756 | 103.183 | 86.940  | 75.012  | 77.569  |
| 101.5 | 915.645  | 838.480 | 622.860 | 355.314 | 134.880 | 109.910 | 92.865  | 80.537  | 83.254  |
| 102.0 | 921.763  | 844.769 | 629.720 | 362.428 | 142.166 | 116.152 | 99.030  | 86.221  | 89.100  |
| 102.5 | 927.640  | 850.812 | 636.338 | 369.460 | 149.452 | 123.199 | 105.195 | 92.066  | 94.865  |
| 103.0 | 933.683  | 857.015 | 643.037 | 376.574 | 157.059 | 131.526 | 111.520 | 97.910  | 100.789 |
| 103.5 | 939.719  | 863.140 | 649.815 | 383.846 | 164.745 | 138.411 | 117.925 | 103.915 | 106.634 |
| 104.0 | 945.764  | 869.261 | 656.676 | 391.280 | 172.271 | 144.254 | 124.330 | 110.002 | 112.879 |
| 104.5 | 951.636  | 875.707 | 663.451 | 398.553 | 179.958 | 151.622 | 131.055 | 116.245 | 119.124 |
| 105.0 | 957.837  | 881.750 | 670.149 | 405.825 | 187.964 | 158.667 | 137.702 | 122.572 | 125.449 |
| 105.5 | 963.151  | 887.953 | 677.086 | 413.259 | 195.892 | 166.113 | 144.426 | 128.897 | 131.774 |
| 106.0 | 969.267  | 894.156 | 683.783 | 420.772 | 203.897 | 174.440 | 151.313 | 135.302 | 138.261 |
| 106.5 | 974.985  | 900.117 | 690.480 | 428.366 | 212.145 | 183.087 | 158.279 | 141.789 | 144.665 |
| 107.0 | 980.942  | 906.240 | 697.256 | 435.718 | 220.231 | 189.412 | 165.164 | 148.433 | 151.632 |
| 107.5 | 986.900  | 912.441 | 703.953 | 443.313 | 228.478 | 196.217 | 172.370 | 154.998 | 158.117 |
| 108.0 | 992.616  | 918.482 | 710.894 | 451.065 | 236.726 | 203.903 | 179.416 | 162.045 | 164.922 |
| 108.5 | 998.250  | 924.523 | 717.750 | 458.820 | 245.133 | 211.751 | 186.541 | 168.769 | 171.649 |
| 109.0 | 1004.288 | 930.324 | 724.529 | 466.493 | 253.460 | 219.516 | 193.907 | 175.816 | 178.535 |
| 109.5 | 1009.842 | 936.772 | 731.304 | 474.085 | 261.786 | 227.364 | 201.195 | 182.621 | 185.340 |
| 110.0 | 1015.638 | 942.410 | 737.923 | 482.000 | 270.273 | 235.290 | 208.400 | 189.667 | 192.468 |
| 110.5 | 1021.273 | 948.454 | 744.297 | 489.752 | 278.760 | 243.216 | 215.846 | 196.713 | 199.433 |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L50-927U-L50-927D-DMA-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

|       |          |          |          |         |         |         |         |         |         |
|-------|----------|----------|----------|---------|---------|---------|---------|---------|---------|
| 111.0 | 1026.989 | 954.095  | 750.992  | 497.507 | 287.327 | 251.225 | 223.292 | 203.840 | 206.559 |
| 111.5 | 1032.548 | 959.976  | 757.773  | 505.421 | 295.894 | 259.231 | 230.658 | 211.046 | 213.364 |
| 112.0 | 1037.862 | 965.860  | 764.386  | 513.254 | 304.460 | 267.317 | 238.264 | 218.252 | 220.248 |
| 112.5 | 1043.578 | 971.663  | 771.164  | 521.247 | 313.269 | 275.564 | 245.950 | 225.377 | 227.296 |
| 113.0 | 1048.728 | 977.466  | 777.863  | 529.080 | 321.756 | 283.811 | 253.476 | 232.503 | 234.501 |
| 113.5 | 1054.366 | 983.188  | 784.476  | 537.235 | 330.323 | 292.139 | 261.243 | 239.869 | 241.867 |
| 114.0 | 1059.758 | 988.665  | 791.091  | 545.067 | 339.130 | 300.305 | 269.171 | 247.155 | 249.073 |
| 114.5 | 1065.072 | 994.306  | 797.708  | 552.980 | 347.616 | 308.712 | 278.616 | 254.682 | 256.279 |
| 115.0 | 1070.065 | 1000.030 | 804.325  | 560.975 | 356.265 | 317.041 | 288.705 | 262.128 | 263.646 |
| 115.5 | 1075.142 | 1005.671 | 810.860  | 568.888 | 364.992 | 325.527 | 295.910 | 269.414 | 270.772 |
| 116.0 | 1080.614 | 1010.910 | 817.558  | 576.801 | 373.719 | 333.854 | 300.876 | 276.860 | 278.538 |
| 116.5 | 1085.531 | 1016.554 | 823.850  | 584.715 | 382.286 | 342.181 | 307.762 | 284.306 | 285.824 |
| 117.0 | 1091.004 | 1022.197 | 830.628  | 592.708 | 391.014 | 350.827 | 316.890 | 291.912 | 293.432 |
| 117.5 | 1095.839 | 1027.354 | 837.001  | 600.541 | 399.902 | 359.076 | 327.139 | 299.198 | 300.636 |
| 118.0 | 1100.674 | 1032.913 | 843.456  | 608.536 | 408.388 | 367.723 | 335.303 | 306.886 | 308.163 |
| 118.5 | 1105.264 | 1038.075 | 850.233  | 616.367 | 417.195 | 376.211 | 340.911 | 314.170 | 315.609 |
| 119.0 | 1110.180 | 1043.073 | 856.529  | 624.361 | 425.924 | 384.538 | 347.156 | 322.018 | 323.297 |
| 119.5 | 1115.097 | 1048.873 | 862.983  | 632.194 | 434.651 | 392.784 | 354.842 | 329.544 | 330.501 |
| 120.0 | 1119.769 | 1054.117 | 869.357  | 639.947 | 443.540 | 401.191 | 362.689 | 337.230 | 338.509 |
| 120.5 | 1124.522 | 1059.197 | 875.732  | 647.540 | 452.187 | 409.760 | 370.615 | 344.838 | 345.875 |
| 121.0 | 1129.276 | 1064.196 | 882.189  | 655.452 | 460.594 | 418.086 | 378.461 | 352.604 | 353.403 |
| 121.5 | 1134.111 | 1069.439 | 888.404  | 663.123 | 469.401 | 426.333 | 386.308 | 361.811 | 360.929 |
| 122.0 | 1138.063 | 1074.520 | 894.780  | 671.038 | 478.127 | 434.661 | 394.476 | 372.301 | 368.615 |
| 122.5 | 1142.980 | 1078.636 | 900.913  | 678.711 | 486.694 | 442.908 | 402.322 | 381.267 | 376.381 |
| 123.0 | 1147.815 | 1083.880 | 907.208  | 686.382 | 495.343 | 451.396 | 410.330 | 387.193 | 384.067 |
| 123.5 | 1152.650 | 1088.797 | 913.586  | 693.974 | 504.070 | 459.643 | 418.337 | 394.319 | 391.994 |
| 124.0 | 1156.685 | 1093.158 | 919.959  | 701.567 | 512.557 | 468.050 | 426.425 | 403.608 | 402.644 |
| 124.5 | 1161.520 | 1098.157 | 926.090  | 709.320 | 521.285 | 476.538 | 434.431 | 411.454 | 416.497 |
| 125.0 | 1165.718 | 1103.319 | 932.469  | 716.991 | 529.772 | 484.624 | 442.598 | 416.739 | 425.382 |
| 125.5 | 1169.671 | 1107.598 | 938.762  | 724.665 | 538.499 | 493.031 | 450.606 | 422.345 | 429.547 |
| 126.0 | 1174.424 | 1112.679 | 944.658  | 732.016 | 546.986 | 501.358 | 458.692 | 429.789 | 430.988 |
| 126.5 | 1178.377 | 1117.122 | 950.947  | 739.528 | 555.473 | 509.526 | 466.618 | 437.477 | 437.714 |
| 127.0 | 1182.575 | 1122.202 | 957.646  | 747.041 | 564.121 | 518.013 | 474.625 | 445.245 | 445.400 |
| 127.5 | 1186.691 | 1126.482 | 963.380  | 754.313 | 572.688 | 526.259 | 482.713 | 452.931 | 453.168 |
| 128.0 | 1190.644 | 1130.843 | 968.951  | 761.904 | 581.095 | 534.746 | 490.881 | 460.697 | 461.094 |
| 128.5 | 1194.760 | 1135.924 | 975.568  | 769.417 | 589.823 | 543.235 | 498.646 | 468.545 | 468.860 |
| 129.0 | 1198.876 | 1140.285 | 981.302  | 776.769 | 598.470 | 551.481 | 507.054 | 476.550 | 476.787 |
| 129.5 | 1198.826 | 1144.565 | 987.036  | 784.202 | 607.037 | 559.808 | 515.301 | 484.318 | 484.713 |
| 130.0 | 1203.024 | 1148.845 | 993.653  | 791.634 | 615.524 | 568.135 | 523.467 | 492.084 | 492.641 |
| 130.5 | 1205.539 | 1153.124 | 999.306  | 799.147 | 624.012 | 576.623 | 531.635 | 499.850 | 500.647 |
| 131.0 | 1209.491 | 1156.522 | 1005.040 | 806.417 | 632.659 | 584.950 | 539.560 | 507.698 | 508.494 |
| 131.5 | 1210.487 | 1160.246 | 1010.774 | 813.770 | 641.386 | 593.196 | 547.648 | 515.704 | 516.422 |
| 132.0 | 1216.759 | 1163.725 | 1016.509 | 821.042 | 649.953 | 601.443 | 555.975 | 523.631 | 524.588 |
| 132.5 | 1220.957 | 1167.122 | 1022.243 | 828.314 | 658.682 | 609.851 | 564.061 | 531.557 | 532.511 |
| 133.0 | 1222.754 | 1170.046 | 1027.977 | 835.427 | 667.329 | 618.098 | 572.468 | 539.325 | 540.442 |
| 133.5 | 1226.706 | 1172.725 | 1033.712 | 842.777 | 675.737 | 626.506 | 580.554 | 548.292 | 548.369 |
| 134.0 | 1232.424 | 1177.887 | 1039.364 | 850.212 | 684.224 | 634.913 | 588.883 | 556.138 | 556.537 |
| 134.5 | 1234.138 | 1181.366 | 1044.298 | 857.482 | 692.791 | 643.079 | 597.129 | 564.146 | 564.382 |
| 135.0 | 1238.172 | 1186.528 | 1050.032 | 864.916 | 701.357 | 651.646 | 605.214 | 572.233 | 572.792 |
| 135.5 | 1243.171 | 1189.124 | 1055.766 | 871.386 | 709.926 | 660.053 | 613.544 | 580.401 | 580.556 |
| 136.0 | 1244.804 | 1192.685 | 1061.255 | 878.821 | 718.413 | 668.461 | 621.631 | 588.166 | 588.724 |
| 136.5 | 1250.439 | 1196.246 | 1066.353 | 886.010 | 726.820 | 676.546 | 629.797 | 596.254 | 596.487 |
| 137.0 | 1250.552 | 1200.444 | 1071.205 | 893.362 | 735.388 | 685.033 | 638.044 | 604.182 | 604.979 |
| 137.5 | 1255.224 | 1204.805 | 1077.021 | 899.995 | 743.716 | 693.525 | 645.970 | 612.105 | 612.985 |
| 138.0 | 1256.938 | 1207.484 | 1080.108 | 907.103 | 752.118 | 701.686 | 654.052 | 620.029 | 620.498 |
| 138.5 | 1261.855 | 1212.646 | 1084.323 | 913.654 | 760.206 | 709.933 | 662.302 | 628.439 | 629.072 |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L50-927U-L50-927D-DMA-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

|       |          |          |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 139.0 | 1264.615 | 1214.605 | 1090.057 | 920.925  | 768.533  | 717.939  | 670.388  | 636.366  | 637.240  |
| 139.5 | 1266.885 | 1218.003 | 1094.108 | 927.313  | 776.943  | 726.348  | 678.476  | 644.454  | 645.328  |
| 140.0 | 1269.400 | 1221.645 | 1099.124 | 933.784  | 785.189  | 734.354  | 686.322  | 652.380  | 653.336  |
| 140.5 | 1273.598 | 1225.288 | 1101.655 | 940.972  | 793.518  | 742.682  | 694.651  | 660.709  | 661.985  |
| 141.0 | 1276.031 | 1228.767 | 1105.789 | 947.361  | 802.006  | 750.770  | 702.897  | 669.195  | 670.471  |
| 141.5 | 1279.347 | 1230.008 | 1111.523 | 954.550  | 810.413  | 758.937  | 710.984  | 677.522  | 678.718  |
| 142.0 | 1281.224 | 1234.451 | 1115.574 | 961.020  | 818.419  | 767.104  | 719.068  | 685.849  | 687.045  |
| 142.5 | 1283.739 | 1237.930 | 1120.590 | 967.408  | 826.426  | 775.110  | 727.075  | 693.775  | 695.371  |
| 143.0 | 1287.692 | 1240.527 | 1124.641 | 973.960  | 834.432  | 783.276  | 735.081  | 701.781  | 703.618  |
| 143.5 | 1291.089 | 1242.486 | 1128.774 | 980.511  | 843.239  | 791.603  | 743.408  | 710.268  | 711.946  |
| 144.0 | 1289.601 | 1245.328 | 1133.707 | 987.063  | 851.327  | 799.770  | 751.413  | 718.593  | 720.271  |
| 144.5 | 1293.963 | 1248.971 | 1137.841 | 993.533  | 859.415  | 807.456  | 759.581  | 726.840  | 728.598  |
| 145.0 | 1297.997 | 1251.731 | 1141.173 | 999.366  | 867.422  | 815.462  | 767.587  | 734.846  | 737.246  |
| 145.5 | 1298.192 | 1254.491 | 1146.907 | 1005.918 | 875.428  | 823.550  | 775.592  | 743.093  | 745.253  |
| 146.0 | 1300.625 | 1256.287 | 1150.158 | 1011.751 | 882.716  | 831.557  | 783.438  | 751.099  | 753.499  |
| 146.5 | 1305.068 | 1259.929 | 1154.373 | 1015.901 | 890.722  | 839.563  | 791.365  | 759.264  | 761.746  |
| 147.0 | 1306.864 | 1261.726 | 1158.424 | 1021.652 | 898.729  | 847.569  | 799.611  | 767.349  | 770.071  |
| 147.5 | 1310.262 | 1265.450 | 1161.838 | 1025.883 | 906.016  | 855.739  | 807.538  | 775.515  | 778.077  |
| 148.0 | 1310.293 | 1265.808 | 1165.971 | 1030.834 | 914.023  | 863.664  | 815.544  | 783.682  | 786.484  |
| 148.5 | 1310.569 | 1267.768 | 1168.503 | 1037.386 | 921.310  | 870.870  | 823.632  | 791.848  | 794.652  |
| 149.0 | 1313.003 | 1271.410 | 1172.636 | 1043.137 | 929.398  | 878.157  | 831.557  | 799.853  | 802.977  |
| 149.5 | 1314.243 | 1270.167 | 1175.168 | 1047.369 | 936.604  | 886.245  | 839.563  | 807.619  | 810.985  |
| 150.0 | 1314.993 | 1273.646 | 1179.301 | 1054.002 | 943.810  | 894.252  | 847.569  | 815.626  | 819.792  |
| 150.5 | 1317.590 | 1275.606 | 1184.316 | 1059.034 | 951.015  | 901.539  | 855.576  | 824.433  | 827.799  |
| 151.0 | 1317.703 | 1277.565 | 1185.328 | 1064.867 | 958.303  | 908.745  | 862.863  | 832.357  | 836.524  |
| 151.5 | 1320.381 | 1278.005 | 1190.262 | 1069.818 | 965.590  | 916.751  | 870.870  | 840.445  | 844.612  |
| 152.0 | 1320.576 | 1279.246 | 1192.075 | 1075.651 | 972.878  | 924.039  | 878.876  | 848.370  | 853.337  |
| 152.5 | 1319.889 | 1281.206 | 1195.489 | 1079.882 | 980.084  | 931.245  | 886.964  | 856.376  | 861.426  |
| 153.0 | 1320.083 | 1281.564 | 1198.903 | 1085.715 | 986.571  | 938.532  | 894.088  | 863.582  | 869.432  |
| 153.5 | 1322.680 | 1283.605 | 1201.435 | 1090.747 | 990.655  | 945.738  | 902.176  | 872.389  | 877.438  |
| 154.0 | 1321.274 | 1284.846 | 1203.248 | 1096.580 | 998.662  | 953.826  | 909.382  | 880.314  | 886.327  |
| 154.5 | 1323.070 | 1285.286 | 1204.897 | 1100.812 | 1004.266 | 960.231  | 917.389  | 888.320  | 894.415  |
| 155.0 | 1324.784 | 1286.445 | 1208.148 | 1105.043 | 1009.152 | 967.601  | 924.676  | 895.526  | 902.340  |
| 155.5 | 1324.260 | 1286.166 | 1210.434 | 1110.158 | 1014.838 | 974.725  | 932.683  | 903.533  | 910.428  |
| 156.0 | 1321.971 | 1287.406 | 1211.920 | 1114.307 | 1022.044 | 982.094  | 939.970  | 911.539  | 918.353  |
| 156.5 | 1323.767 | 1288.729 | 1213.570 | 1119.421 | 1027.730 | 986.097  | 947.176  | 919.463  | 925.558  |
| 157.0 | 1324.599 | 1288.286 | 1216.020 | 1123.735 | 1034.217 | 993.384  | 954.381  | 926.669  | 933.647  |
| 157.5 | 1320.920 | 1288.808 | 1217.669 | 1127.084 | 1039.822 | 999.789  | 962.470  | 934.676  | 941.653  |
| 158.0 | 1321.163 | 1286.928 | 1219.564 | 1131.315 | 1045.508 | 1006.195 | 969.675  | 942.682  | 949.659  |
| 158.5 | 1319.021 | 1287.450 | 1220.658 | 1134.828 | 1051.913 | 1011.080 | 976.081  | 949.888  | 956.865  |
| 159.0 | 1316.814 | 1287.971 | 1222.552 | 1139.060 | 1057.599 | 1017.485 | 980.884  | 957.094  | 964.871  |
| 159.5 | 1318.937 | 1288.411 | 1223.646 | 1143.373 | 1062.403 | 1024.691 | 990.574  | 965.100  | 972.077  |
| 160.0 | 1316.321 | 1287.969 | 1224.822 | 1146.804 | 1068.890 | 1030.377 | 994.577  | 972.306  | 980.084  |
| 160.5 | 1314.441 | 1287.445 | 1226.798 | 1149.516 | 1073.775 | 1036.864 | 1001.865 | 979.511  | 987.371  |
| 161.0 | 1315.109 | 1287.558 | 1227.974 | 1153.029 | 1077.778 | 1042.469 | 1007.469 | 985.116  | 995.296  |
| 161.5 | 1313.556 | 1284.632 | 1229.869 | 1156.460 | 1084.184 | 1048.874 | 1012.355 | 992.322  | 1001.701 |
| 162.0 | 1312.493 | 1283.389 | 1227.924 | 1159.973 | 1088.187 | 1054.560 | 1019.560 | 999.528  | 1004.740 |
| 162.5 | 1309.485 | 1281.427 | 1230.701 | 1161.083 | 1094.674 | 1061.047 | 1025.165 | 1005.132 | 1011.782 |
| 163.0 | 1308.634 | 1282.749 | 1230.357 | 1165.397 | 1098.759 | 1067.452 | 1033.253 | 1010.736 | 1017.942 |
| 163.5 | 1307.146 | 1280.150 | 1230.814 | 1167.226 | 1104.363 | 1072.338 | 1038.857 | 1017.942 | 1025.066 |
| 164.0 | 1307.586 | 1280.117 | 1231.989 | 1169.939 | 1108.366 | 1077.141 | 1044.462 | 1024.347 | 1031.389 |
| 164.5 | 1304.987 | 1277.599 | 1231.646 | 1171.768 | 1113.252 | 1082.746 | 1051.749 | 1031.635 | 1040.033 |
| 165.0 | 1302.469 | 1277.484 | 1232.102 | 1174.480 | 1118.056 | 1089.151 | 1058.155 | 1037.239 | 1046.438 |
| 165.5 | 1298.351 | 1273.365 | 1231.840 | 1177.111 | 1122.941 | 1093.236 | 1062.958 | 1042.844 | 1052.043 |
| 166.0 | 1298.317 | 1271.812 | 1231.415 | 1179.823 | 1126.945 | 1098.040 | 1068.645 | 1050.050 | 1059.886 |
| 166.5 | 1296.519 | 1270.177 | 1231.953 | 1182.535 | 1130.147 | 1103.726 | 1074.968 | 1056.455 | 1067.091 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : CMH-4-00-L50-927U-L50-927D-DMA-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

|       |          |          |          |          |          |          |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 167.0 | 1294.557 | 1268.542 | 1230.890 | 1182.126 | 1134.232 | 1107.729 | 1081.455 | 1062.141 | 1073.496 |
| 167.5 | 1291.075 | 1265.469 | 1230.629 | 1184.119 | 1137.516 | 1112.533 | 1085.458 | 1069.428 | 1079.101 |
| 168.0 | 1285.519 | 1263.116 | 1230.366 | 1186.112 | 1141.520 | 1117.419 | 1091.945 | 1075.833 | 1085.588 |
| 168.5 | 1284.685 | 1261.236 | 1230.104 | 1188.187 | 1145.523 | 1122.222 | 1098.432 | 1082.320 | 1091.911 |
| 169.0 | 1279.847 | 1258.473 | 1228.241 | 1186.978 | 1149.608 | 1127.026 | 1102.353 | 1087.124 | 1097.434 |
| 169.5 | 1277.412 | 1255.482 | 1227.979 | 1189.690 | 1151.928 | 1130.229 | 1108.758 | 1094.330 | 1102.156 |
| 170.0 | 1274.976 | 1252.409 | 1226.916 | 1190.164 | 1154.330 | 1135.114 | 1113.644 | 1099.134 | 1108.561 |
| 170.5 | 1272.622 | 1251.020 | 1224.334 | 1191.438 | 1156.813 | 1139.118 | 1117.729 | 1104.820 | 1114.247 |
| 171.0 | 1267.703 | 1248.110 | 1224.954 | 1191.994 | 1158.415 | 1143.121 | 1121.814 | 1110.424 | 1119.133 |
| 171.5 | 1263.830 | 1245.201 | 1221.490 | 1192.549 | 1162.500 | 1145.604 | 1126.699 | 1116.192 | 1125.538 |
| 172.0 | 1261.721 | 1241.573 | 1221.391 | 1193.823 | 1165.784 | 1149.608 | 1131.503 | 1119.395 | 1130.178 |
| 172.5 | 1257.930 | 1238.027 | 1218.809 | 1193.578 | 1168.104 | 1153.611 | 1136.307 | 1125.800 | 1136.502 |
| 173.0 | 1252.618 | 1235.117 | 1216.390 | 1193.414 | 1169.787 | 1157.614 | 1141.111 | 1130.604 | 1139.622 |
| 173.5 | 1249.791 | 1231.489 | 1215.654 | 1194.852 | 1171.307 | 1159.215 | 1145.114 | 1134.607 | 1145.309 |
| 174.0 | 1246.800 | 1228.662 | 1212.435 | 1194.689 | 1172.107 | 1163.219 | 1148.317 | 1139.493 | 1150.832 |
| 174.5 | 1242.126 | 1223.514 | 1210.180 | 1194.525 | 1174.591 | 1167.222 | 1152.238 | 1144.296 | 1153.233 |
| 175.0 | 1237.452 | 1219.968 | 1207.925 | 1192.842 | 1176.993 | 1169.624 | 1155.441 | 1148.218 | 1157.956 |
| 175.5 | 1232.860 | 1216.585 | 1205.751 | 1194.444 | 1178.512 | 1171.143 | 1159.525 | 1152.303 | 1161.158 |
| 176.0 | 1231.633 | 1213.284 | 1203.659 | 1194.362 | 1180.196 | 1174.428 | 1163.447 | 1156.388 | 1167.645 |
| 176.5 | 1224.966 | 1208.545 | 1201.649 | 1193.643 | 1180.914 | 1176.029 | 1168.332 | 1160.473 | 1170.129 |
| 177.0 | 1221.502 | 1205.571 | 1198.201 | 1193.643 | 1181.078 | 1178.431 | 1169.133 | 1164.394 | 1174.132 |
| 177.5 | 1216.354 | 1201.077 | 1197.237 | 1192.042 | 1182.597 | 1179.231 | 1173.136 | 1167.597 | 1176.452 |
| 178.0 | 1211.533 | 1198.348 | 1195.554 | 1192.042 | 1183.398 | 1181.633 | 1175.457 | 1172.482 | 1182.939 |
| 178.5 | 1206.403 | 1193.381 | 1193.152 | 1191.241 | 1183.398 | 1184.035 | 1177.859 | 1175.603 | 1186.860 |
| 179.0 | 1202.955 | 1191.698 | 1189.950 | 1191.241 | 1184.199 | 1184.836 | 1181.943 | 1178.806 | 1188.462 |
| 179.5 | 1199.670 | 1188.577 | 1188.349 | 1189.640 | 1184.199 | 1186.437 | 1183.545 | 1181.289 | 1194.948 |
| 180.0 | 1187.221 | 1187.221 | 1187.221 | 1187.221 | 1187.221 | 1187.221 | 1187.221 | 1187.221 | 1187.221 |



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : CMH-4-00-L50-927U-L50-927D-DMA-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 440.78  | N.A.  | 5.50   |
| 0-30    | 936.34  | N.A.  | 11.70  |
| 0-40    | 1535.94 | N.A.  | 19.20  |
| 0-60    | 2781.93 | N.A.  | 34.70  |
| 0-80    | 3725.83 | N.A.  | 46.50  |
| 0-90    | 4022.33 | N.A.  | 50.20  |
| 10-90   | 3908.46 | N.A.  | 48.80  |
| 20-40   | 1095.15 | N.A.  | 13.70  |
| 20-50   | 1730.92 | N.A.  | 21.60  |
| 40-70   | 1776.5  | N.A.  | 22.20  |
| 60-80   | 943.90  | N.A.  | 11.80  |
| 70-80   | 413.39  | N.A.  | 5.20   |
| 80-90   | 296.50  | N.A.  | 3.70   |
| 90-110  | 707.22  | N.A.  | 8.80   |
| 90-120  | 1233.99 | N.A.  | 15.40  |
| 90-130  | 1839.91 | N.A.  | 23.00  |
| 90-150  | 3065.01 | N.A.  | 38.20  |
| 90-180  | 3990.95 | N.A.  | 49.80  |
| 110-180 | 3283.73 | N.A.  | 41.00  |
| 0-180   | 8013.27 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 113.87 |
| 10-20   | 326.92 |
| 20-30   | 495.55 |
| 30-40   | 599.60 |
| 40-50   | 635.76 |
| 50-60   | 610.23 |
| 60-70   | 530.51 |
| 70-80   | 413.39 |
| 80-90   | 296.50 |
| 90-100  | 296.07 |
| 100-110 | 411.15 |
| 110-120 | 526.77 |
| 120-130 | 605.92 |
| 130-140 | 630.90 |
| 140-150 | 594.19 |
| 150-160 | 490.27 |
| 160-170 | 323.08 |
| 170-180 | 112.59 |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L50-927U-L50-927D-DMA-DIM-UNV\_.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC | 80  |     |     |     | 70 |    |    |    | 50 |    |    | 30 |    |    | 10 |    |    | 0  |
|----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RW | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| 0  | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |
| 1  | 96  | 91  | 87  | 83  | 88 | 84 | 80 | 77 | 71 | 68 | 65 | 59 | 57 | 55 | 47 | 46 | 44 | 39 |
| 2  | 87  | 79  | 72  | 66  | 80 | 73 | 67 | 62 | 61 | 57 | 53 | 51 | 47 | 44 | 41 | 38 | 36 | 32 |
| 3  | 79  | 69  | 61  | 55  | 72 | 64 | 57 | 51 | 54 | 48 | 44 | 44 | 40 | 37 | 36 | 33 | 30 | 26 |
| 4  | 72  | 61  | 52  | 46  | 66 | 56 | 49 | 43 | 47 | 42 | 37 | 39 | 35 | 31 | 32 | 28 | 26 | 22 |
| 5  | 66  | 54  | 45  | 39  | 61 | 50 | 42 | 37 | 42 | 36 | 32 | 35 | 30 | 27 | 28 | 25 | 22 | 19 |
| 6  | 61  | 48  | 40  | 34  | 56 | 45 | 37 | 32 | 38 | 32 | 27 | 32 | 27 | 23 | 26 | 22 | 19 | 16 |
| 7  | 56  | 43  | 35  | 29  | 51 | 40 | 33 | 28 | 34 | 28 | 24 | 29 | 24 | 21 | 23 | 20 | 17 | 14 |
| 8  | 52  | 39  | 31  | 26  | 48 | 37 | 29 | 24 | 31 | 25 | 21 | 26 | 22 | 18 | 21 | 18 | 15 | 13 |
| 9  | 48  | 36  | 28  | 23  | 45 | 33 | 26 | 22 | 29 | 23 | 19 | 24 | 20 | 16 | 20 | 16 | 14 | 12 |
| 10 | 45  | 33  | 25  | 20  | 42 | 31 | 24 | 19 | 26 | 21 | 17 | 22 | 18 | 15 | 18 | 15 | 12 | 10 |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-4-00-L50-927U-L50-927D-DMA-DIM-UNV\_.IES

## UGR TABLE - CORRECTED

### Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| Ceiling Cavity | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Walls          | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Floor Cavity   | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

### Room Size UGR Viewed Crosswise

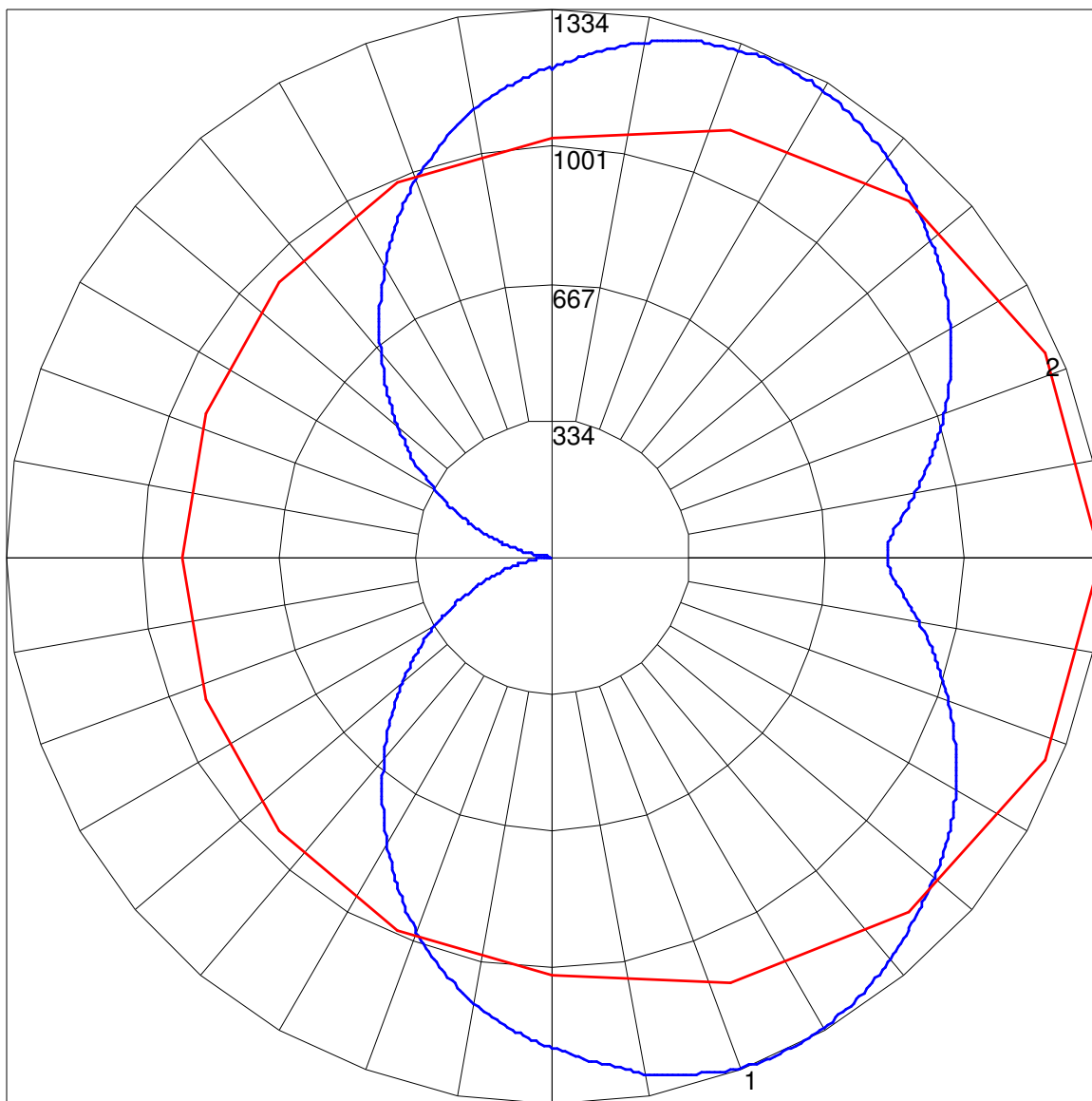
| X=2H | Y=2H | 21.0 | 21.9 | 21.9 | 22.9 | 24.1 | 15.0 | 15.9 | 15.9 | 16.9 | 18.1 |
|------|------|------|------|------|------|------|------|------|------|------|------|
|      | 3H   | 24.1 | 24.9 | 25.0 | 25.9 | 27.2 | 16.3 | 17.2 | 17.3 | 18.1 | 19.4 |
|      | 4H   | 25.7 | 26.4 | 26.6 | 27.4 | 28.7 | 16.8 | 17.6 | 17.7 | 18.5 | 19.8 |
|      | 6H   | 27.4 | 28.1 | 28.3 | 29.1 | 30.4 | 17.0 | 17.7 | 18.0 | 18.7 | 20.0 |
|      | 8H   | 28.3 | 29.0 | 29.2 | 30.0 | 31.3 | 17.1 | 17.8 | 18.0 | 18.8 | 20.1 |
|      | 12H  | 29.3 | 29.9 | 30.3 | 30.9 | 32.3 | 17.1 | 17.7 | 18.1 | 18.7 | 20.1 |

### UGR Viewed Endwise

|     |     |      |      |      |      |      |      |      |      |      |      |
|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H  | 2H  | 21.3 | 22.0 | 22.2 | 23.0 | 24.3 | 16.2 | 17.0 | 17.2 | 18.0 | 19.3 |
|     | 3H  | 24.6 | 25.2 | 25.6 | 26.2 | 27.6 | 17.9 | 18.5 | 18.9 | 19.5 | 20.9 |
|     | 4H  | 26.3 | 26.9 | 27.3 | 28.0 | 29.3 | 18.4 | 19.1 | 19.4 | 20.1 | 21.4 |
|     | 6H  | 28.2 | 28.8 | 29.3 | 29.8 | 31.1 | 18.8 | 19.4 | 19.8 | 20.4 | 21.7 |
|     | 8H  | 29.3 | 29.7 | 30.3 | 30.8 | 32.1 | 18.9 | 19.4 | 19.9 | 20.4 | 21.8 |
|     | 12H | 30.4 | 30.8 | 31.4 | 31.9 | 33.2 | 19.0 | 19.4 | 20.0 | 20.5 | 21.8 |
| 8H  | 4H  | 26.5 | 27.0 | 27.5 | 28.0 | 29.3 | 19.6 | 20.1 | 20.6 | 21.1 | 22.4 |
|     | 6H  | 28.5 | 29.0 | 29.6 | 30.0 | 31.4 | 20.2 | 20.6 | 21.2 | 21.7 | 23.0 |
|     | 8H  | 29.7 | 30.1 | 30.7 | 31.1 | 32.5 | 20.4 | 20.8 | 21.4 | 21.8 | 23.2 |
|     | 12H | 31.0 | 31.3 | 32.0 | 32.4 | 33.8 | 20.5 | 20.9 | 21.6 | 21.9 | 23.3 |
| 12H | 4H  | 26.4 | 26.9 | 27.5 | 27.9 | 29.3 | 19.9 | 20.4 | 20.9 | 21.4 | 22.7 |
|     | 6H  | 28.6 | 28.9 | 29.6 | 30.0 | 31.4 | 20.7 | 21.1 | 21.8 | 22.1 | 23.5 |
|     | 8H  | 29.8 | 30.1 | 30.8 | 31.1 | 32.5 | 21.0 | 21.4 | 22.1 | 22.4 | 23.8 |

Maximum UGR = 33.8

POLAR GRAPH



Maximum Candela = 1334.208 Located At Horizontal Angle = 0, Vertical Angle = 24.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (24.5) (Through Max. Cd.)