

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-3-00-L38-930U-L38-930D-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-3-00-L38-930U-L38-930D-DMA-DIM-UNV\_  
[LUMINAIRE] 3' wall mounted fixture with both up and down lighting  
[MORE] compartments  
[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                | 6260                |
| Total Luminaire Efficiency      | N.A.                |
| Luminaire Efficacy Rating (LER) | 96                  |
| Total Luminaire Watts           | 65.2                |
| 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)         | 2.75 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                  | 17236            | 16234             | 15476             |
| 55                  | 17134            | 15513             | 14133             |
| 65                  | 17163            | 14951             | 12538             |
| 75                  | 17461            | 14581             | 10197             |
| 85                  | 18355            | 14866             | 6756              |

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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  | 936.894    | 936.894     | 936.894     | 936.894     | 936.894     | 936.894      | 936.894      | 936.894      | 936.894      |
| 0.5  | 938.211    | 939.775     | 938.033     | 941.602     | 935.216     | 940.074      | 933.764      | 933.714      | 933.803      |
| 1.0  | 940.766    | 942.004     | 941.477     | 942.366     | 934.640     | 938.672      | 931.084      | 931.035      | 931.186      |
| 1.5  | 944.146    | 944.996     | 942.491     | 944.407     | 934.640     | 936.055      | 929.682      | 927.779      | 926.716      |
| 2.0  | 947.014    | 948.689     | 944.782     | 944.594     | 933.938     | 934.077      | 927.127      | 925.162      | 924.099      |
| 2.5  | 951.158    | 951.231     | 947.837     | 945.421     | 933.300     | 932.799      | 924.573      | 923.246      | 921.607      |
| 3.0  | 953.900    | 955.049     | 950.253     | 945.608     | 932.661     | 931.522      | 922.657      | 919.414      | 918.351      |
| 3.5  | 957.531    | 958.417     | 952.031     | 947.774     | 932.661     | 928.905      | 919.464      | 916.797      | 916.435      |
| 4.0  | 962.315    | 961.785     | 955.086     | 947.962     | 931.321     | 926.350      | 918.186      | 913.604      | 911.965      |
| 4.5  | 964.481    | 964.576     | 957.502     | 947.574     | 930.683     | 925.712      | 914.993      | 910.411      | 908.070      |
| 5.0  | 965.682    | 968.069     | 959.592     | 949.677     | 929.405     | 922.519      | 911.161      | 907.155      | 904.301      |
| 5.5  | 970.140    | 970.923     | 960.280     | 949.927     | 927.489     | 919.325      | 909.246      | 903.962      | 902.385      |
| 6.0  | 973.132    | 973.201     | 962.121     | 949.539     | 926.150     | 918.624      | 906.691      | 901.345      | 898.491      |
| 6.5  | 975.548    | 977.520     | 964.023     | 949.213     | 924.935     | 916.132      | 903.373      | 896.812      | 894.722      |
| 7.0  | 977.965    | 980.249     | 965.288     | 949.338     | 924.234     | 914.091      | 900.180      | 892.918      | 890.189      |
| 7.5  | 980.430    | 982.527     | 966.614     | 949.075     | 920.978     | 910.898      | 896.348      | 889.724      | 885.718      |
| 8.0  | 985.174    | 984.167     | 968.254     | 947.409     | 919.062     | 907.705      | 893.155      | 885.830      | 881.248      |
| 8.5  | 989.378    | 986.570     | 969.893     | 948.360     | 918.423     | 905.789      | 889.899      | 881.998      | 876.840      |
| 9.0  | 995.122    | 989.098     | 971.345     | 947.333     | 915.230     | 902.533      | 886.005      | 876.827      | 872.369      |
| 9.5  | 997.963    | 991.301     | 972.220     | 947.646     | 913.252     | 898.702      | 882.173      | 872.932      | 871.092      |
| 10.0 | 1001.130   | 994.718     | 973.034     | 946.744     | 911.336     | 896.084      | 878.980      | 869.101      | 864.067      |
| 10.5 | 1004.235   | 996.732     | 974.485     | 945.780     | 908.143     | 892.954      | 875.085      | 864.568      | 860.937      |
| 11.0 | 1006.124   | 998.171     | 975.361     | 944.239     | 906.803     | 889.698      | 870.552      | 861.374      | 856.466      |
| 11.5 | 1007.826   | 1000.436    | 975.598     | 942.698     | 902.971     | 885.866      | 866.783      | 856.203      | 850.718      |
| 12.0 | 1008.890   | 1002.062    | 976.474     | 942.435     | 900.417     | 883.888      | 862.889      | 851.732      | 845.672      |
| 12.5 | 1012.570   | 1004.966    | 976.773     | 940.894     | 898.438     | 878.716      | 858.418      | 847.262      | 841.201      |
| 13.0 | 1014.647   | 1006.529    | 977.198     | 939.354     | 895.884     | 875.523      | 853.885      | 842.090      | 834.940      |
| 13.5 | 1016.273   | 1008.607    | 977.623     | 938.452     | 891.413     | 871.691      | 849.991      | 836.919      | 831.234      |
| 14.0 | 1019.365   | 1009.920    | 978.110     | 936.974     | 889.435     | 866.520      | 844.243      | 831.810      | 825.674      |
| 14.5 | 1021.504   | 1011.296    | 977.195     | 934.732     | 886.242     | 863.327      | 839.710      | 826.701      | 819.988      |
| 15.0 | 1021.541   | 1011.971    | 977.495     | 933.254     | 881.709     | 859.432      | 835.240      | 821.592      | 814.303      |
| 15.5 | 1022.867   | 1012.709    | 977.406     | 930.373     | 877.877     | 855.538      | 830.068      | 815.844      | 811.110      |
| 16.0 | 1023.430   | 1014.085    | 976.678     | 928.007     | 874.621     | 851.067      | 826.174      | 810.735      | 803.384      |
| 16.5 | 1026.182   | 1015.461    | 977.867     | 927.167     | 871.428     | 846.597      | 821.065      | 806.264      | 799.552      |
| 17.0 | 1029.198   | 1014.921    | 977.778     | 924.287     | 868.235     | 841.425      | 816.532      | 800.454      | 795.783      |
| 17.5 | 1029.672   | 1016.998    | 976.988     | 920.705     | 863.702     | 838.170      | 810.722      | 796.560      | 789.334      |
| 18.0 | 1031.486   | 1016.458    | 976.198     | 919.227     | 859.231     | 831.721      | 804.974      | 790.812      | 784.864      |
| 18.5 | 1033.938   | 1017.258    | 975.220     | 916.472     | 854.698     | 827.889      | 802.357      | 787.619      | 779.053      |
| 19.0 | 1033.323   | 1018.058    | 975.006     | 914.480     | 850.867     | 822.717      | 797.248      | 781.871      | 773.306      |
| 19.5 | 1036.213   | 1018.157    | 973.390     | 911.913     | 846.334     | 818.823      | 791.438      | 776.123      | 766.857      |
| 20.0 | 1037.639   | 1017.742    | 973.176     | 908.519     | 842.502     | 813.714      | 788.883      | 770.376      | 761.109      |
| 20.5 | 1038.050   | 1018.542    | 970.984     | 905.763     | 838.608     | 808.542      | 783.073      | 764.566      | 754.660      |
| 21.0 | 1038.399   | 1018.065    | 970.131     | 901.981     | 832.860     | 803.433      | 777.325      | 758.818      | 748.912      |
| 21.5 | 1039.450   | 1018.352    | 968.577     | 900.052     | 828.965     | 800.816      | 772.216      | 752.432      | 742.526      |
| 22.0 | 1040.812   | 1018.124    | 967.086     | 897.547     | 823.856     | 794.430      | 766.406      | 746.684      | 736.077      |
| 22.5 | 1041.599   | 1017.897    | 965.532     | 894.278     | 818.685     | 789.834      | 760.596      | 740.936      | 730.330      |
| 23.0 | 1041.046   | 1018.246    | 964.041     | 890.946     | 814.152     | 783.448      | 754.848      | 734.550      | 723.881      |
| 23.5 | 1041.195   | 1017.568    | 963.126     | 886.338     | 808.404     | 780.894      | 749.038      | 728.163      | 717.494      |
| 24.0 | 1041.919   | 1017.466    | 960.996     | 883.895     | 804.572     | 775.722      | 743.227      | 722.353      | 710.469      |
| 24.5 | 1042.330   | 1017.239    | 959.505     | 880.175     | 798.762     | 769.974      | 737.480      | 716.029      | 704.722      |
| 25.0 | 1041.465   | 1017.075    | 956.736     | 877.483     | 796.846     | 764.101      | 731.669      | 709.581      | 698.273      |
| 25.5 | 1039.960   | 1015.633    | 955.245     | 874.214     | 792.313     | 758.354      | 725.922      | 703.194      | 691.248      |
| 26.0 | 1040.372   | 1015.281    | 953.115     | 869.029     | 787.843     | 752.543      | 719.473      | 697.447      | 685.438      |
| 26.5 | 1039.569   | 1013.651    | 951.048     | 865.059     | 782.033     | 746.796      | 713.663      | 691.060      | 678.350      |

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|      |          |          |         |         |         |         |         |         |         |
|------|----------|----------|---------|---------|---------|---------|---------|---------|---------|
| 27.0 | 1038.127 | 1012.660 | 949.682 | 861.790 | 776.222 | 740.923 | 707.276 | 684.674 | 671.964 |
| 27.5 | 1038.088 | 1012.308 | 945.824 | 858.521 | 771.051 | 735.175 | 701.466 | 678.225 | 665.515 |
| 28.0 | 1038.499 | 1010.679 | 943.306 | 852.635 | 765.303 | 728.726 | 695.656 | 671.839 | 658.490 |
| 28.5 | 1036.807 | 1009.049 | 941.363 | 849.942 | 760.194 | 722.979 | 689.269 | 665.452 | 652.041 |
| 29.0 | 1035.428 | 1008.697 | 939.421 | 844.758 | 753.808 | 717.168 | 682.883 | 658.427 | 645.655 |
| 29.5 | 1035.138 | 1005.791 | 936.966 | 839.448 | 747.997 | 710.782 | 676.434 | 652.041 | 638.949 |
| 30.0 | 1034.648 | 1004.036 | 934.385 | 836.116 | 742.187 | 704.271 | 670.687 | 645.592 | 632.310 |
| 30.5 | 1033.018 | 1002.594 | 931.804 | 831.570 | 736.439 | 698.523 | 664.238 | 639.142 | 625.922 |
| 31.0 | 1032.791 | 1001.603 | 929.286 | 826.899 | 730.692 | 692.074 | 657.851 | 632.692 | 619.282 |
| 31.5 | 1031.412 | 1000.487 | 925.428 | 824.845 | 724.881 | 685.688 | 651.465 | 626.369 | 612.705 |
| 32.0 | 1029.269 | 998.858  | 923.548 | 819.535 | 718.495 | 679.878 | 645.016 | 619.790 | 606.381 |
| 32.5 | 1029.681 | 996.590  | 920.266 | 816.842 | 712.685 | 673.429 | 638.566 | 613.404 | 599.678 |
| 33.0 | 1026.198 | 995.662  | 917.560 | 812.296 | 706.937 | 667.042 | 632.116 | 606.699 | 592.973 |
| 33.5 | 1026.797 | 992.692  | 914.215 | 807.049 | 700.488 | 660.593 | 625.729 | 600.249 | 586.523 |
| 34.0 | 1025.931 | 990.487  | 910.232 | 802.440 | 694.102 | 654.207 | 619.280 | 593.927 | 579.818 |
| 34.5 | 1023.913 | 988.219  | 906.249 | 797.130 | 687.653 | 648.397 | 612.830 | 587.349 | 573.304 |
| 35.0 | 1021.520 | 985.951  | 903.606 | 791.883 | 681.267 | 641.819 | 606.508 | 580.899 | 566.982 |
| 35.5 | 1020.016 | 984.384  | 900.837 | 787.274 | 675.519 | 635.370 | 600.185 | 574.385 | 560.340 |
| 36.0 | 1017.610 | 980.838  | 896.979 | 782.027 | 669.133 | 628.920 | 593.735 | 567.998 | 553.699 |
| 36.5 | 1016.230 | 978.570  | 894.273 | 776.780 | 662.108 | 622.471 | 587.031 | 561.740 | 547.122 |
| 37.0 | 1014.025 | 977.004  | 889.589 | 771.470 | 655.659 | 616.212 | 580.772 | 555.163 | 540.480 |
| 37.5 | 1012.069 | 973.521  | 885.543 | 766.223 | 649.273 | 609.572 | 574.386 | 548.521 | 534.222 |
| 38.0 | 1011.266 | 970.614  | 882.962 | 760.975 | 642.886 | 603.122 | 567.872 | 542.263 | 527.454 |
| 38.5 | 1007.270 | 968.408  | 877.702 | 755.728 | 636.374 | 596.544 | 561.486 | 535.750 | 520.749 |
| 39.0 | 1005.315 | 966.842  | 874.295 | 749.842 | 629.732 | 590.223 | 554.971 | 529.364 | 514.235 |
| 39.5 | 1002.533 | 963.296  | 874.782 | 744.532 | 623.282 | 583.773 | 548.713 | 522.850 | 507.784 |
| 40.0 | 1001.792 | 961.091  | 870.861 | 739.285 | 616.640 | 577.131 | 542.392 | 516.465 | 501.526 |
| 40.5 | 997.921  | 958.760  | 866.941 | 733.399 | 609.999 | 570.682 | 535.814 | 510.077 | 495.076 |
| 41.0 | 995.014  | 955.402  | 862.895 | 728.089 | 603.549 | 564.232 | 529.427 | 503.628 | 488.500 |
| 41.5 | 991.782  | 952.496  | 858.974 | 722.328 | 596.780 | 557.527 | 522.913 | 497.369 | 482.177 |
| 42.0 | 990.979  | 950.165  | 854.290 | 717.143 | 590.202 | 551.395 | 516.528 | 490.857 | 475.855 |
| 42.5 | 988.322  | 947.321  | 850.307 | 711.959 | 583.560 | 544.882 | 510.078 | 484.343 | 469.595 |
| 43.0 | 985.027  | 942.498  | 846.198 | 706.899 | 576.919 | 538.304 | 503.692 | 478.212 | 462.956 |
| 43.5 | 983.460  | 940.230  | 842.278 | 701.138 | 569.958 | 531.727 | 497.114 | 471.635 | 456.760 |
| 44.0 | 980.102  | 937.323  | 837.719 | 695.377 | 563.444 | 525.278 | 490.536 | 465.185 | 450.693 |
| 44.5 | 977.446  | 934.479  | 832.972 | 689.554 | 556.675 | 518.891 | 484.087 | 458.864 | 444.372 |
| 45.0 | 975.490  | 932.211  | 829.051 | 684.307 | 550.033 | 512.123 | 477.701 | 452.350 | 438.177 |
| 45.5 | 971.307  | 928.090  | 824.429 | 678.548 | 543.393 | 505.608 | 471.059 | 446.091 | 431.665 |
| 46.0 | 971.017  | 925.246  | 819.807 | 672.854 | 536.623 | 499.030 | 464.673 | 439.769 | 425.406 |
| 46.5 | 967.146  | 923.616  | 815.824 | 667.095 | 529.916 | 492.517 | 458.095 | 433.320 | 419.403 |
| 47.0 | 965.704  | 922.625  | 811.202 | 661.209 | 522.956 | 486.003 | 451.645 | 427.124 | 413.337 |
| 47.5 | 963.561  | 919.969  | 806.518 | 655.639 | 516.059 | 479.361 | 445.196 | 420.739 | 406.887 |
| 48.0 | 960.967  | 916.236  | 802.084 | 650.070 | 509.226 | 472.529 | 438.872 | 414.672 | 400.628 |
| 48.5 | 956.783  | 912.878  | 797.274 | 644.437 | 502.520 | 465.887 | 432.295 | 408.351 | 394.434 |
| 49.0 | 954.189  | 909.333  | 792.715 | 638.612 | 495.816 | 459.310 | 425.845 | 402.220 | 388.111 |
| 49.5 | 951.658  | 905.788  | 788.031 | 632.789 | 489.046 | 452.859 | 419.523 | 396.026 | 382.108 |
| 50.0 | 952.007  | 903.006  | 783.346 | 627.093 | 482.213 | 446.283 | 413.202 | 389.832 | 375.786 |
| 50.5 | 947.434  | 899.461  | 778.787 | 621.209 | 475.443 | 439.513 | 406.687 | 383.955 | 369.656 |
| 51.0 | 946.568  | 896.040  | 774.228 | 615.514 | 468.738 | 432.999 | 400.365 | 377.697 | 363.463 |
| 51.5 | 943.398  | 892.558  | 768.905 | 609.627 | 462.032 | 426.294 | 393.915 | 371.503 | 357.459 |
| 52.0 | 940.228  | 888.374  | 764.158 | 603.487 | 455.199 | 419.843 | 387.720 | 365.437 | 351.584 |
| 52.5 | 937.509  | 884.891  | 759.599 | 597.729 | 448.493 | 413.331 | 381.399 | 359.370 | 345.453 |
| 53.0 | 934.152  | 881.283  | 754.338 | 591.715 | 441.723 | 406.689 | 375.013 | 353.303 | 339.258 |
| 53.5 | 930.794  | 877.863  | 749.590 | 585.767 | 435.146 | 399.983 | 368.626 | 347.300 | 333.065 |
| 54.0 | 927.686  | 874.255  | 744.650 | 579.689 | 428.313 | 393.533 | 362.304 | 341.105 | 327.571 |
| 54.5 | 924.329  | 870.321  | 739.517 | 573.548 | 421.736 | 387.147 | 356.047 | 335.167 | 321.507 |

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

|      |         |         |         |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 55.0 | 921.096 | 866.713 | 734.641 | 567.599 | 415.030 | 380.506 | 349.724 | 329.036 | 315.375 |
| 55.5 | 917.801 | 862.529 | 729.827 | 561.394 | 408.388 | 373.802 | 343.467 | 322.969 | 309.499 |
| 56.0 | 914.568 | 859.046 | 724.823 | 555.382 | 401.619 | 367.350 | 337.271 | 317.158 | 303.306 |
| 56.5 | 911.461 | 854.862 | 719.626 | 549.112 | 394.912 | 360.774 | 330.822 | 310.899 | 297.622 |
| 57.0 | 908.166 | 851.442 | 714.496 | 542.907 | 388.143 | 354.322 | 324.817 | 305.153 | 292.001 |
| 57.5 | 904.232 | 847.321 | 709.553 | 536.703 | 381.500 | 347.619 | 318.688 | 298.958 | 285.807 |
| 58.0 | 900.749 | 843.074 | 704.485 | 530.306 | 374.604 | 341.104 | 312.365 | 293.146 | 279.868 |
| 58.5 | 897.642 | 838.953 | 699.292 | 524.102 | 367.835 | 334.654 | 306.298 | 287.207 | 273.865 |
| 59.0 | 894.346 | 834.956 | 693.906 | 517.706 | 360.938 | 328.141 | 300.231 | 281.204 | 268.181 |
| 59.5 | 890.475 | 830.647 | 688.898 | 511.310 | 353.977 | 321.563 | 294.228 | 275.392 | 262.370 |
| 60.0 | 886.291 | 826.463 | 683.512 | 505.106 | 347.143 | 314.923 | 288.225 | 269.517 | 256.494 |
| 60.5 | 882.483 | 822.342 | 678.509 | 498.902 | 340.374 | 308.408 | 282.095 | 263.705 | 250.619 |
| 61.0 | 879.187 | 818.155 | 673.313 | 492.825 | 333.668 | 301.831 | 275.965 | 257.830 | 244.807 |
| 61.5 | 875.191 | 813.971 | 668.118 | 486.557 | 326.835 | 295.444 | 269.834 | 251.955 | 238.932 |
| 62.0 | 870.556 | 809.532 | 662.667 | 480.160 | 320.128 | 288.868 | 263.958 | 246.080 | 233.312 |
| 62.5 | 866.622 | 805.154 | 657.533 | 473.892 | 313.231 | 282.417 | 257.827 | 240.141 | 227.372 |
| 63.0 | 862.689 | 800.967 | 652.405 | 467.624 | 306.589 | 275.776 | 251.698 | 234.330 | 221.689 |
| 63.5 | 858.755 | 796.336 | 647.209 | 461.355 | 299.819 | 269.198 | 245.693 | 228.581 | 215.813 |
| 64.0 | 854.884 | 791.833 | 641.759 | 455.087 | 293.050 | 262.939 | 239.626 | 222.641 | 210.322 |
| 64.5 | 850.311 | 787.393 | 636.628 | 448.820 | 286.345 | 256.425 | 233.432 | 216.830 | 205.020 |
| 65.0 | 845.932 | 782.954 | 630.987 | 442.296 | 279.576 | 250.039 | 227.237 | 211.082 | 199.081 |
| 65.5 | 841.491 | 778.259 | 625.791 | 435.837 | 272.742 | 243.525 | 221.298 | 205.271 | 193.461 |
| 66.0 | 837.174 | 773.435 | 620.532 | 429.571 | 266.099 | 237.012 | 215.103 | 199.587 | 187.969 |
| 66.5 | 833.110 | 768.805 | 614.956 | 423.239 | 259.459 | 230.498 | 209.165 | 193.711 | 182.477 |
| 67.0 | 828.537 | 764.173 | 609.759 | 416.907 | 252.816 | 224.112 | 203.352 | 188.091 | 177.176 |
| 67.5 | 824.094 | 759.541 | 604.181 | 410.384 | 246.173 | 217.853 | 197.413 | 182.407 | 171.620 |
| 68.0 | 819.713 | 754.721 | 598.733 | 403.926 | 239.213 | 211.658 | 191.411 | 176.788 | 165.936 |
| 68.5 | 815.077 | 749.897 | 593.347 | 397.530 | 232.507 | 205.144 | 185.408 | 171.168 | 160.316 |
| 69.0 | 811.018 | 745.139 | 587.705 | 391.264 | 225.929 | 198.949 | 179.468 | 165.548 | 155.143 |
| 69.5 | 806.446 | 740.508 | 582.446 | 385.060 | 219.351 | 192.563 | 173.847 | 160.055 | 149.779 |
| 70.0 | 802.127 | 735.683 | 576.806 | 378.856 | 212.710 | 186.368 | 168.037 | 154.563 | 144.413 |
| 70.5 | 797.681 | 730.798 | 571.355 | 372.588 | 206.133 | 180.047 | 162.289 | 148.943 | 138.858 |
| 71.0 | 793.364 | 725.974 | 565.842 | 366.133 | 199.490 | 173.916 | 156.542 | 143.642 | 133.493 |
| 71.5 | 788.981 | 721.150 | 560.076 | 359.930 | 193.231 | 167.785 | 150.923 | 138.342 | 128.193 |
| 72.0 | 784.223 | 716.012 | 554.689 | 353.918 | 186.716 | 161.655 | 145.302 | 133.041 | 123.338 |
| 72.5 | 779.712 | 711.315 | 549.176 | 347.779 | 179.756 | 155.588 | 139.745 | 127.932 | 117.909 |
| 73.0 | 775.017 | 706.366 | 543.790 | 341.830 | 173.496 | 149.648 | 134.317 | 122.568 | 112.800 |
| 73.5 | 770.444 | 701.289 | 538.344 | 335.690 | 167.047 | 143.901 | 128.825 | 117.331 | 107.564 |
| 74.0 | 765.934 | 696.402 | 532.704 | 329.553 | 160.724 | 138.089 | 123.396 | 112.348 | 102.584 |
| 74.5 | 761.047 | 691.266 | 527.253 | 323.479 | 154.593 | 132.341 | 118.096 | 107.303 | 97.922  |
| 75.0 | 756.411 | 686.379 | 521.553 | 317.593 | 148.398 | 126.594 | 112.859 | 102.323 | 92.876  |
| 75.5 | 751.650 | 681.302 | 516.107 | 311.457 | 142.330 | 120.974 | 107.621 | 97.214  | 88.085  |
| 76.0 | 746.826 | 676.417 | 510.913 | 305.448 | 136.263 | 115.481 | 102.322 | 92.424  | 83.423  |
| 76.5 | 741.995 | 671.278 | 505.340 | 299.752 | 130.196 | 110.053 | 97.085  | 87.443  | 78.826  |
| 77.0 | 737.107 | 666.458 | 499.893 | 293.680 | 124.319 | 104.625 | 92.230  | 82.781  | 74.546  |
| 77.5 | 732.218 | 661.384 | 494.447 | 288.049 | 118.316 | 99.260  | 87.186  | 78.055  | 70.076  |
| 78.0 | 727.458 | 656.500 | 489.191 | 282.295 | 112.696 | 93.896  | 82.269  | 73.521  | 65.733  |
| 78.5 | 722.314 | 651.429 | 483.997 | 276.856 | 107.012 | 88.659  | 77.415  | 69.049  | 61.390  |
| 79.0 | 717.491 | 646.228 | 478.679 | 271.103 | 101.518 | 83.614  | 72.625  | 64.578  | 56.984  |
| 79.5 | 712.602 | 641.345 | 473.486 | 265.539 | 95.962  | 78.632  | 67.962  | 60.108  | 52.961  |
| 80.0 | 707.590 | 636.399 | 468.234 | 260.042 | 90.469  | 73.777  | 63.428  | 55.893  | 48.873  |
| 80.5 | 702.576 | 631.393 | 462.979 | 254.859 | 85.168  | 68.924  | 58.957  | 51.678  | 44.914  |
| 81.0 | 697.880 | 626.574 | 458.107 | 249.679 | 80.058  | 64.198  | 54.614  | 47.591  | 40.827  |
| 81.5 | 693.056 | 621.374 | 453.046 | 244.499 | 75.076  | 59.662  | 50.334  | 43.567  | 36.867  |
| 82.0 | 688.170 | 616.556 | 448.174 | 239.320 | 70.159  | 55.192  | 46.057  | 39.608  | 33.164  |
| 82.5 | 683.789 | 612.186 | 443.368 | 234.330 | 65.241  | 50.913  | 42.096  | 35.966  | 29.649  |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-3-00-L38-930U-L38-930D-DMA-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

|       |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 83.0  | 679.033 | 607.495 | 438.435 | 229.659 | 60.516  | 46.570  | 38.136  | 32.262  | 26.010  |
| 83.5  | 674.531 | 602.740 | 433.629 | 225.052 | 55.981  | 42.354  | 34.368  | 28.622  | 22.498  |
| 84.0  | 670.154 | 598.242 | 429.079 | 220.448 | 51.575  | 38.331  | 30.664  | 25.110  | 19.048  |
| 84.5  | 665.649 | 593.618 | 424.467 | 215.844 | 47.232  | 34.435  | 26.896  | 21.597  | 15.856  |
| 85.0  | 661.400 | 588.929 | 419.918 | 211.494 | 43.017  | 30.667  | 23.320  | 18.340  | 12.981  |
| 85.5  | 657.213 | 584.622 | 415.176 | 207.145 | 38.866  | 26.899  | 19.870  | 15.211  | 10.426  |
| 86.0  | 653.031 | 580.501 | 410.628 | 202.987 | 34.843  | 23.259  | 16.549  | 12.401  | 8.574   |
| 86.5  | 649.158 | 576.757 | 406.523 | 198.830 | 30.947  | 19.745  | 13.356  | 10.228  | 7.296   |
| 87.0  | 645.598 | 574.142 | 402.476 | 194.990 | 27.243  | 16.296  | 10.546  | 8.504   | 6.465   |
| 87.5  | 643.039 | 572.153 | 399.436 | 191.024 | 23.539  | 12.974  | 8.565   | 7.417   | 5.953   |
| 88.0  | 641.800 | 571.231 | 397.270 | 187.120 | 19.771  | 9.717   | 7.160   | 6.650   | 5.695   |
| 88.5  | 640.868 | 570.557 | 395.915 | 183.716 | 16.003  | 7.035   | 6.392   | 6.076   | 5.377   |
| 89.0  | 640.314 | 570.388 | 395.569 | 181.377 | 12.170  | 5.758   | 5.945   | 5.883   | 5.312   |
| 89.5  | 640.202 | 570.281 | 395.284 | 180.603 | 8.910   | 5.309   | 5.754   | 5.691   | 5.248   |
| 90.0  | 640.276 | 570.237 | 395.317 | 180.648 | 7.621   | 5.182   | 5.689   | 5.690   | 5.311   |
| 90.5  | 639.783 | 570.386 | 395.354 | 181.010 | 9.053   | 5.180   | 5.687   | 5.689   | 5.245   |
| 91.0  | 640.051 | 570.853 | 395.832 | 182.711 | 12.179  | 5.242   | 5.623   | 5.751   | 5.245   |
| 91.5  | 640.192 | 571.702 | 396.884 | 185.689 | 15.932  | 6.242   | 5.686   | 5.687   | 5.182   |
| 92.0  | 640.970 | 573.060 | 399.275 | 189.244 | 19.560  | 8.055   | 5.874   | 5.623   | 5.307   |
| 92.5  | 641.811 | 575.371 | 402.557 | 192.799 | 23.061  | 10.995  | 6.373   | 5.811   | 5.432   |
| 93.0  | 643.545 | 578.261 | 406.475 | 196.922 | 26.563  | 14.435  | 7.624   | 6.061   | 5.870   |
| 93.5  | 645.790 | 581.912 | 410.649 | 200.602 | 30.191  | 17.875  | 9.750   | 6.748   | 6.870   |
| 94.0  | 649.117 | 586.073 | 414.945 | 204.784 | 34.006  | 21.378  | 12.628  | 8.124   | 8.809   |
| 94.5  | 653.146 | 590.298 | 418.987 | 208.905 | 37.884  | 24.754  | 15.943  | 10.315  | 11.499  |
| 95.0  | 657.365 | 594.837 | 423.726 | 213.022 | 41.887  | 28.444  | 19.319  | 12.940  | 14.500  |
| 95.5  | 661.585 | 599.439 | 428.274 | 217.330 | 46.015  | 32.199  | 22.822  | 16.130  | 17.942  |
| 96.0  | 665.994 | 603.724 | 432.756 | 221.762 | 50.269  | 35.950  | 26.576  | 19.572  | 21.319  |
| 96.5  | 670.276 | 608.134 | 437.366 | 226.384 | 54.646  | 39.891  | 30.266  | 23.011  | 24.947  |
| 97.0  | 674.620 | 612.610 | 441.977 | 231.068 | 59.149  | 43.831  | 34.082  | 26.638  | 28.637  |
| 97.5  | 679.091 | 617.207 | 446.649 | 235.749 | 63.842  | 48.022  | 37.960  | 30.455  | 32.265  |
| 98.0  | 683.431 | 621.806 | 451.325 | 240.744 | 68.469  | 52.276  | 41.838  | 34.146  | 35.954  |
| 98.5  | 688.025 | 626.529 | 456.249 | 245.803 | 73.412  | 56.654  | 45.902  | 38.022  | 39.959  |
| 99.0  | 692.556 | 631.316 | 461.173 | 250.796 | 78.541  | 61.345  | 50.094  | 41.963  | 43.962  |
| 99.5  | 697.088 | 635.976 | 466.159 | 256.042 | 83.668  | 65.974  | 54.409  | 46.092  | 48.154  |
| 100.0 | 701.617 | 640.762 | 471.271 | 261.348 | 88.923  | 70.853  | 58.725  | 50.221  | 52.156  |
| 100.5 | 706.148 | 645.609 | 476.317 | 266.656 | 94.302  | 75.731  | 63.228  | 54.349  | 56.409  |
| 101.0 | 710.930 | 650.331 | 481.492 | 272.151 | 99.807  | 80.610  | 67.921  | 58.602  | 60.600  |
| 101.5 | 715.334 | 655.050 | 486.600 | 277.584 | 105.373 | 85.866  | 72.549  | 62.918  | 65.041  |
| 102.0 | 720.113 | 659.963 | 491.959 | 283.141 | 111.065 | 90.742  | 77.365  | 67.359  | 69.608  |
| 102.5 | 724.705 | 664.684 | 497.130 | 288.635 | 116.757 | 96.247  | 82.182  | 71.925  | 74.112  |
| 103.0 | 729.426 | 669.530 | 502.363 | 294.193 | 122.700 | 102.752 | 87.123  | 76.491  | 78.740  |
| 103.5 | 734.141 | 674.315 | 507.659 | 299.874 | 128.705 | 108.132 | 92.127  | 81.182  | 83.306  |
| 104.0 | 738.864 | 679.097 | 513.018 | 305.682 | 134.584 | 112.696 | 97.131  | 85.937  | 88.185  |
| 104.5 | 743.451 | 684.133 | 518.311 | 311.363 | 140.589 | 118.452 | 102.385 | 90.815  | 93.064  |
| 105.0 | 748.296 | 688.854 | 523.544 | 317.045 | 146.844 | 123.956 | 107.578 | 95.757  | 98.005  |
| 105.5 | 752.447 | 693.700 | 528.963 | 322.853 | 153.038 | 129.773 | 112.831 | 100.699 | 102.947 |
| 106.0 | 757.226 | 698.546 | 534.195 | 328.722 | 159.291 | 136.279 | 118.211 | 105.703 | 108.014 |
| 106.5 | 761.692 | 703.203 | 539.427 | 334.655 | 165.735 | 143.034 | 123.653 | 110.770 | 113.017 |
| 107.0 | 766.347 | 707.986 | 544.721 | 340.398 | 172.052 | 147.975 | 129.032 | 115.961 | 118.460 |
| 107.5 | 771.001 | 712.831 | 549.953 | 346.331 | 178.495 | 153.292 | 134.661 | 121.090 | 123.526 |
| 108.0 | 775.466 | 717.550 | 555.375 | 352.388 | 184.939 | 159.296 | 140.166 | 126.595 | 128.843 |
| 108.5 | 779.868 | 722.270 | 560.732 | 358.446 | 191.506 | 165.428 | 145.733 | 131.848 | 134.099 |
| 109.0 | 784.585 | 726.802 | 566.027 | 364.440 | 198.012 | 171.493 | 151.487 | 137.354 | 139.478 |
| 109.5 | 788.924 | 731.839 | 571.320 | 370.372 | 204.517 | 177.625 | 157.180 | 142.670 | 144.794 |
| 110.0 | 793.452 | 736.244 | 576.491 | 376.555 | 211.147 | 183.817 | 162.810 | 148.175 | 150.363 |
| 110.5 | 797.855 | 740.966 | 581.471 | 382.612 | 217.777 | 190.009 | 168.627 | 153.679 | 155.804 |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-3-00-L38-930U-L38-930D-DMA-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

|       |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 111.0 | 802.320 | 745.373 | 586.702 | 388.670 | 224.470 | 196.265 | 174.444 | 159.247 | 161.371 |
| 111.5 | 806.663 | 749.967 | 591.999 | 394.853 | 231.162 | 202.520 | 180.198 | 164.876 | 166.688 |
| 112.0 | 810.814 | 754.564 | 597.165 | 400.972 | 237.855 | 208.838 | 186.140 | 170.506 | 172.066 |
| 112.5 | 815.280 | 759.097 | 602.461 | 407.217 | 244.737 | 215.280 | 192.145 | 176.073 | 177.571 |
| 113.0 | 819.303 | 763.630 | 607.694 | 413.336 | 251.367 | 221.723 | 198.025 | 181.640 | 183.201 |
| 113.5 | 823.707 | 768.101 | 612.860 | 419.707 | 258.060 | 228.229 | 204.092 | 187.394 | 188.955 |
| 114.0 | 827.920 | 772.380 | 618.028 | 425.826 | 264.940 | 234.609 | 210.286 | 193.086 | 194.584 |
| 114.5 | 832.071 | 776.787 | 623.197 | 432.008 | 271.570 | 241.177 | 217.665 | 198.967 | 200.214 |
| 115.0 | 835.972 | 781.259 | 628.367 | 438.253 | 278.327 | 247.683 | 225.546 | 204.784 | 205.970 |
| 115.5 | 839.939 | 785.666 | 633.472 | 444.435 | 285.145 | 254.313 | 231.176 | 210.476 | 211.537 |
| 116.0 | 844.214 | 789.758 | 638.705 | 450.617 | 291.962 | 260.818 | 235.055 | 216.293 | 217.604 |
| 116.5 | 848.055 | 794.168 | 643.620 | 456.800 | 298.655 | 267.323 | 240.434 | 222.110 | 223.296 |
| 117.0 | 852.330 | 798.576 | 648.916 | 463.044 | 305.474 | 274.079 | 247.566 | 228.052 | 229.239 |
| 117.5 | 856.107 | 802.605 | 653.895 | 469.164 | 312.417 | 280.523 | 255.572 | 233.744 | 234.867 |
| 118.0 | 859.885 | 806.948 | 658.937 | 475.409 | 319.047 | 287.278 | 261.951 | 239.750 | 240.748 |
| 118.5 | 863.471 | 810.980 | 664.232 | 481.527 | 325.928 | 293.909 | 266.332 | 245.441 | 246.565 |
| 119.0 | 867.312 | 814.886 | 669.151 | 487.773 | 332.747 | 300.414 | 271.211 | 251.572 | 252.571 |
| 119.5 | 871.153 | 819.416 | 674.192 | 493.892 | 339.565 | 306.857 | 277.215 | 257.451 | 258.199 |
| 120.0 | 874.803 | 823.513 | 679.172 | 499.949 | 346.509 | 313.425 | 283.345 | 263.456 | 264.455 |
| 120.5 | 878.516 | 827.482 | 684.153 | 505.881 | 353.264 | 320.119 | 289.537 | 269.399 | 270.210 |
| 121.0 | 882.230 | 831.387 | 689.197 | 512.062 | 359.832 | 326.624 | 295.667 | 275.467 | 276.091 |
| 121.5 | 886.007 | 835.483 | 694.052 | 518.055 | 366.712 | 333.066 | 301.797 | 282.660 | 281.970 |
| 122.0 | 889.095 | 839.452 | 699.033 | 524.238 | 373.530 | 339.573 | 308.178 | 290.855 | 287.975 |
| 122.5 | 892.936 | 842.668 | 703.825 | 530.233 | 380.223 | 346.015 | 314.308 | 297.859 | 294.042 |
| 123.0 | 896.714 | 846.765 | 708.742 | 536.225 | 386.979 | 352.647 | 320.564 | 302.489 | 300.047 |
| 123.5 | 900.491 | 850.606 | 713.725 | 542.157 | 393.797 | 359.089 | 326.819 | 308.056 | 306.239 |
| 124.0 | 903.643 | 854.013 | 718.704 | 548.089 | 400.427 | 365.657 | 333.138 | 315.313 | 314.560 |
| 124.5 | 907.420 | 857.918 | 723.494 | 554.145 | 407.246 | 372.288 | 339.393 | 321.443 | 325.382 |
| 125.0 | 910.700 | 861.951 | 728.477 | 560.138 | 413.877 | 378.606 | 345.773 | 325.571 | 332.323 |
| 125.5 | 913.788 | 865.295 | 733.393 | 566.134 | 420.694 | 385.173 | 352.029 | 329.951 | 335.577 |
| 126.0 | 917.501 | 869.264 | 738.000 | 571.876 | 427.324 | 391.678 | 358.346 | 335.766 | 336.703 |
| 126.5 | 920.589 | 872.735 | 742.913 | 577.745 | 433.955 | 398.060 | 364.539 | 341.772 | 341.957 |
| 127.0 | 923.869 | 876.704 | 748.147 | 583.614 | 440.711 | 404.690 | 370.794 | 347.841 | 347.962 |
| 127.5 | 927.085 | 880.047 | 752.626 | 589.296 | 447.404 | 411.132 | 377.112 | 353.845 | 354.030 |
| 128.0 | 930.173 | 883.455 | 756.979 | 595.226 | 453.972 | 417.762 | 383.494 | 359.913 | 360.223 |
| 128.5 | 933.388 | 887.423 | 762.148 | 601.095 | 460.791 | 424.394 | 389.559 | 366.044 | 366.290 |
| 129.0 | 936.604 | 890.831 | 766.628 | 606.839 | 467.546 | 430.836 | 396.128 | 372.297 | 372.482 |
| 129.5 | 936.565 | 894.174 | 771.107 | 612.646 | 474.239 | 437.341 | 402.571 | 378.366 | 378.675 |
| 130.0 | 939.844 | 897.518 | 776.277 | 618.452 | 480.869 | 443.847 | 408.951 | 384.433 | 384.868 |
| 130.5 | 941.809 | 900.861 | 780.693 | 624.321 | 487.500 | 450.478 | 415.332 | 390.500 | 391.123 |
| 131.0 | 944.897 | 903.515 | 785.172 | 630.001 | 494.256 | 456.983 | 421.523 | 396.631 | 397.253 |
| 131.5 | 945.675 | 906.425 | 789.652 | 635.745 | 501.073 | 463.426 | 427.842 | 402.886 | 403.447 |
| 132.0 | 950.575 | 909.143 | 794.132 | 641.427 | 507.766 | 469.868 | 434.347 | 409.079 | 409.827 |
| 132.5 | 953.855 | 911.797 | 798.612 | 647.108 | 514.585 | 476.437 | 440.664 | 415.271 | 416.016 |
| 133.0 | 955.258 | 914.081 | 803.092 | 652.665 | 521.341 | 482.880 | 447.232 | 421.340 | 422.213 |
| 133.5 | 958.346 | 916.173 | 807.572 | 658.407 | 527.909 | 489.449 | 453.550 | 428.345 | 428.405 |
| 134.0 | 962.813 | 920.206 | 811.988 | 664.215 | 534.540 | 496.016 | 460.056 | 434.475 | 434.786 |
| 134.5 | 964.152 | 922.924 | 815.842 | 669.895 | 541.232 | 502.396 | 466.498 | 440.731 | 440.915 |
| 135.0 | 967.304 | 926.957 | 820.322 | 675.703 | 547.925 | 509.089 | 472.815 | 447.048 | 447.485 |
| 135.5 | 971.209 | 928.986 | 824.802 | 680.758 | 554.619 | 515.656 | 479.322 | 453.430 | 453.551 |
| 136.0 | 972.484 | 931.767 | 829.090 | 686.565 | 561.249 | 522.225 | 485.640 | 459.496 | 459.932 |
| 136.5 | 976.887 | 934.549 | 833.072 | 692.182 | 567.817 | 528.542 | 492.020 | 465.814 | 465.997 |
| 137.0 | 976.975 | 937.829 | 836.863 | 697.926 | 574.511 | 535.172 | 498.462 | 472.008 | 472.631 |
| 137.5 | 980.625 | 941.236 | 841.406 | 703.108 | 581.017 | 541.806 | 504.654 | 478.198 | 478.886 |
| 138.0 | 981.964 | 943.329 | 843.818 | 708.660 | 587.581 | 548.182 | 510.968 | 484.389 | 484.755 |
| 138.5 | 985.805 | 947.361 | 847.111 | 713.779 | 593.900 | 554.624 | 517.413 | 490.959 | 491.453 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : CMH-3-00-L38-930U-L38-930D-DMA-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

|       |          |          |         |         |         |         |         |         |         |
|-------|----------|----------|---------|---------|---------|---------|---------|---------|---------|
| 139.0 | 987.962  | 948.892  | 851.591 | 719.459 | 600.405 | 560.879 | 523.731 | 497.151 | 497.834 |
| 139.5 | 989.735  | 951.546  | 854.756 | 724.450 | 606.975 | 567.448 | 530.049 | 503.470 | 504.153 |
| 140.0 | 991.700  | 954.392  | 858.674 | 729.504 | 613.418 | 573.703 | 536.179 | 509.662 | 510.409 |
| 140.5 | 994.979  | 957.238  | 860.652 | 735.121 | 619.924 | 580.209 | 542.685 | 516.169 | 517.166 |
| 141.0 | 996.880  | 959.956  | 863.881 | 740.111 | 626.555 | 586.528 | 549.128 | 522.799 | 523.796 |
| 141.5 | 999.470  | 960.925  | 868.361 | 745.728 | 633.123 | 592.908 | 555.445 | 529.304 | 530.238 |
| 142.0 | 1000.937 | 964.396  | 871.526 | 750.782 | 639.378 | 599.288 | 561.761 | 535.809 | 536.743 |
| 142.5 | 1002.902 | 967.114  | 875.444 | 755.773 | 645.633 | 605.543 | 568.016 | 542.001 | 543.248 |
| 143.0 | 1005.990 | 969.143  | 878.609 | 760.891 | 651.888 | 611.923 | 574.271 | 548.256 | 549.691 |
| 143.5 | 1008.644 | 970.674  | 881.838 | 766.010 | 658.768 | 618.428 | 580.776 | 554.886 | 556.197 |
| 144.0 | 1007.482 | 972.894  | 885.692 | 771.128 | 665.087 | 624.808 | 587.030 | 561.390 | 562.701 |
| 144.5 | 1010.889 | 975.740  | 888.921 | 776.183 | 671.406 | 630.813 | 593.411 | 567.833 | 569.206 |
| 145.0 | 1014.041 | 977.896  | 891.524 | 780.740 | 677.660 | 637.068 | 599.666 | 574.088 | 575.963 |
| 145.5 | 1014.193 | 980.052  | 896.004 | 785.858 | 683.915 | 643.386 | 605.920 | 580.530 | 582.218 |
| 146.0 | 1016.094 | 981.455  | 898.544 | 790.415 | 689.609 | 649.641 | 612.049 | 586.785 | 588.660 |
| 146.5 | 1019.565 | 984.301  | 901.836 | 793.657 | 695.863 | 655.896 | 618.242 | 593.164 | 595.103 |
| 147.0 | 1020.968 | 985.704  | 905.001 | 798.150 | 702.118 | 662.151 | 624.684 | 599.480 | 601.606 |
| 147.5 | 1023.622 | 988.614  | 907.669 | 801.456 | 707.812 | 668.534 | 630.877 | 605.860 | 607.861 |
| 148.0 | 1023.647 | 988.894  | 910.898 | 805.324 | 714.066 | 674.725 | 637.131 | 612.240 | 614.429 |
| 148.5 | 1023.863 | 990.424  | 912.875 | 810.442 | 719.760 | 680.354 | 643.450 | 618.620 | 620.810 |
| 149.0 | 1025.764 | 993.270  | 916.104 | 814.935 | 726.078 | 686.047 | 649.641 | 624.873 | 627.314 |
| 149.5 | 1026.733 | 992.299  | 918.082 | 818.241 | 731.708 | 692.366 | 655.896 | 630.940 | 633.570 |
| 150.0 | 1027.319 | 995.017  | 921.311 | 823.423 | 737.337 | 698.621 | 662.151 | 637.195 | 640.450 |
| 150.5 | 1029.347 | 996.548  | 925.229 | 827.355 | 742.967 | 704.314 | 668.406 | 644.076 | 646.705 |
| 151.0 | 1029.436 | 998.079  | 926.020 | 831.912 | 748.660 | 709.943 | 674.099 | 650.267 | 653.522 |
| 151.5 | 1031.528 | 998.423  | 929.874 | 835.779 | 754.353 | 716.198 | 680.354 | 656.585 | 659.841 |
| 152.0 | 1031.680 | 999.392  | 931.291 | 840.336 | 760.046 | 721.892 | 686.609 | 662.776 | 666.657 |
| 152.5 | 1031.143 | 1000.923 | 933.958 | 843.642 | 765.676 | 727.521 | 692.928 | 669.031 | 672.976 |
| 153.0 | 1031.295 | 1001.202 | 936.625 | 848.199 | 770.743 | 733.214 | 698.493 | 674.661 | 679.231 |
| 153.5 | 1033.324 | 1002.797 | 938.603 | 852.130 | 773.935 | 738.844 | 704.812 | 681.541 | 685.486 |
| 154.0 | 1032.225 | 1003.766 | 940.019 | 856.687 | 780.190 | 745.162 | 710.441 | 687.732 | 692.430 |
| 154.5 | 1033.628 | 1004.110 | 941.308 | 859.993 | 784.568 | 750.166 | 716.696 | 693.987 | 698.749 |
| 155.0 | 1034.968 | 1005.016 | 943.847 | 863.299 | 788.385 | 755.923 | 722.389 | 699.616 | 704.940 |
| 155.5 | 1034.558 | 1004.798 | 945.634 | 867.294 | 792.827 | 761.489 | 728.644 | 705.871 | 711.258 |
| 156.0 | 1032.770 | 1005.767 | 946.795 | 870.536 | 798.457 | 767.246 | 734.337 | 712.126 | 717.449 |
| 156.5 | 1034.173 | 1006.800 | 948.083 | 874.531 | 802.899 | 770.373 | 739.967 | 718.317 | 723.079 |
| 157.0 | 1034.823 | 1006.454 | 949.997 | 877.901 | 807.967 | 776.067 | 745.596 | 723.946 | 729.397 |
| 157.5 | 1031.949 | 1006.862 | 951.286 | 880.517 | 812.345 | 781.071 | 751.915 | 730.201 | 735.652 |
| 158.0 | 1032.139 | 1005.393 | 952.766 | 883.823 | 816.787 | 786.074 | 757.544 | 736.456 | 741.907 |
| 158.5 | 1030.465 | 1005.801 | 953.620 | 886.568 | 821.791 | 789.891 | 762.548 | 742.086 | 747.537 |
| 159.0 | 1028.741 | 1006.208 | 955.101 | 889.873 | 826.233 | 794.895 | 766.301 | 747.715 | 753.791 |
| 159.5 | 1030.399 | 1006.552 | 955.955 | 893.243 | 829.986 | 800.525 | 773.871 | 753.970 | 759.421 |
| 160.0 | 1028.356 | 1006.206 | 956.874 | 895.924 | 835.054 | 804.967 | 776.998 | 759.599 | 765.676 |
| 160.5 | 1026.887 | 1005.797 | 958.418 | 898.042 | 838.871 | 810.035 | 782.692 | 765.229 | 771.369 |
| 161.0 | 1027.409 | 1005.885 | 959.336 | 900.787 | 841.998 | 814.413 | 787.070 | 769.607 | 777.560 |
| 161.5 | 1026.196 | 1003.599 | 960.816 | 903.467 | 847.002 | 819.417 | 790.887 | 775.236 | 782.564 |
| 162.0 | 1025.366 | 1002.628 | 959.297 | 906.211 | 850.130 | 823.859 | 796.516 | 780.866 | 784.938 |
| 162.5 | 1023.016 | 1001.096 | 961.466 | 907.079 | 855.197 | 828.927 | 800.895 | 785.244 | 790.440 |
| 163.0 | 1022.351 | 1002.129 | 961.198 | 910.449 | 858.389 | 833.931 | 807.213 | 789.623 | 795.252 |
| 163.5 | 1021.188 | 1000.098 | 961.555 | 911.878 | 862.767 | 837.748 | 811.592 | 795.252 | 800.818 |
| 164.0 | 1021.532 | 1000.072 | 962.473 | 913.997 | 865.895 | 841.501 | 815.970 | 800.256 | 805.758 |
| 164.5 | 1019.501 | 998.105  | 962.205 | 915.426 | 869.711 | 845.879 | 821.663 | 805.949 | 812.510 |
| 165.0 | 1017.535 | 998.015  | 962.561 | 917.545 | 873.464 | 850.883 | 826.667 | 810.328 | 817.514 |
| 165.5 | 1014.317 | 994.798  | 962.357 | 919.600 | 877.281 | 854.074 | 830.420 | 814.706 | 821.893 |
| 166.0 | 1014.291 | 993.584  | 962.024 | 921.719 | 880.409 | 857.827 | 834.863 | 820.335 | 828.020 |
| 166.5 | 1012.886 | 992.307  | 962.445 | 923.838 | 882.910 | 862.269 | 839.803 | 825.339 | 833.649 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : CMH-3-00-L38-930U-L38-930D-DMA-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

|       |          |         |         |         |         |         |         |         |         |
|-------|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 167.0 | 1011.353 | 991.030 | 961.615 | 923.518 | 886.102 | 865.397 | 844.870 | 829.782 | 838.653 |
| 167.5 | 1008.633 | 988.629 | 961.410 | 925.075 | 888.668 | 869.150 | 847.998 | 835.475 | 843.031 |
| 168.0 | 1004.293 | 986.790 | 961.205 | 926.633 | 891.795 | 872.967 | 853.066 | 840.479 | 848.099 |
| 168.5 | 1003.641 | 985.321 | 961.001 | 928.254 | 894.922 | 876.719 | 858.133 | 845.547 | 853.039 |
| 169.0 | 999.862  | 983.163 | 959.545 | 927.309 | 898.114 | 880.472 | 861.197 | 849.299 | 857.354 |
| 169.5 | 997.959  | 980.826 | 959.340 | 929.428 | 899.926 | 882.974 | 866.201 | 854.929 | 861.043 |
| 170.0 | 996.056  | 978.426 | 958.510 | 929.798 | 901.803 | 886.791 | 870.018 | 858.682 | 866.047 |
| 170.5 | 994.217  | 977.340 | 956.493 | 930.793 | 903.743 | 889.919 | 873.209 | 863.124 | 870.489 |
| 171.0 | 990.374  | 975.067 | 956.977 | 931.227 | 904.994 | 893.046 | 876.400 | 867.502 | 874.306 |
| 171.5 | 987.348  | 972.795 | 954.271 | 931.661 | 908.185 | 894.986 | 880.217 | 872.009 | 879.310 |
| 172.0 | 985.701  | 969.960 | 954.194 | 932.656 | 910.751 | 898.114 | 883.970 | 874.511 | 882.935 |
| 172.5 | 982.739  | 967.190 | 952.176 | 932.465 | 912.564 | 901.241 | 887.723 | 879.514 | 887.875 |
| 173.0 | 978.589  | 964.917 | 950.287 | 932.337 | 913.879 | 904.369 | 891.476 | 883.267 | 890.313 |
| 173.5 | 976.380  | 962.083 | 949.712 | 933.460 | 915.066 | 905.620 | 894.603 | 886.395 | 894.755 |
| 174.0 | 974.044  | 959.874 | 947.197 | 933.333 | 915.691 | 908.747 | 897.105 | 890.212 | 899.070 |
| 174.5 | 970.392  | 955.852 | 945.435 | 933.205 | 917.632 | 911.875 | 900.169 | 893.965 | 900.946 |
| 175.0 | 966.741  | 953.082 | 943.673 | 931.890 | 919.508 | 913.751 | 902.671 | 897.028 | 904.635 |
| 175.5 | 963.153  | 950.439 | 941.975 | 933.141 | 920.695 | 914.938 | 905.862 | 900.219 | 907.137 |
| 176.0 | 962.195  | 947.860 | 940.341 | 933.077 | 922.010 | 917.504 | 908.926 | 903.411 | 912.205 |
| 176.5 | 956.987  | 944.158 | 938.770 | 932.516 | 922.572 | 918.755 | 912.742 | 906.602 | 914.145 |
| 177.0 | 954.280  | 941.834 | 936.077 | 932.516 | 922.699 | 920.631 | 913.368 | 909.666 | 917.273 |
| 177.5 | 950.258  | 938.323 | 935.324 | 931.265 | 923.886 | 921.257 | 916.495 | 912.168 | 919.085 |
| 178.0 | 946.492  | 936.192 | 934.009 | 931.265 | 924.512 | 923.133 | 918.308 | 915.984 | 924.153 |
| 178.5 | 942.484  | 932.311 | 932.132 | 930.639 | 924.512 | 925.010 | 920.184 | 918.422 | 927.217 |
| 179.0 | 939.790  | 930.996 | 929.630 | 930.639 | 925.137 | 925.635 | 923.376 | 920.924 | 928.468 |
| 179.5 | 937.225  | 928.558 | 928.379 | 929.388 | 925.137 | 926.886 | 924.627 | 922.865 | 933.536 |
| 180.0 | 927.499  | 927.499 | 927.499 | 927.499 | 927.499 | 927.499 | 927.499 | 927.499 | 927.499 |



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : CMH-3-00-L38-930U-L38-930D-DMA-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 344.36  | N.A.  | 5.50   |
| 0-30    | 731.50  | N.A.  | 11.70  |
| 0-40    | 1199.93 | N.A.  | 19.20  |
| 0-60    | 2173.34 | N.A.  | 34.70  |
| 0-80    | 2910.75 | N.A.  | 46.50  |
| 0-90    | 3142.38 | N.A.  | 50.20  |
| 10-90   | 3053.42 | N.A.  | 48.80  |
| 20-40   | 855.57  | N.A.  | 13.70  |
| 20-50   | 1352.25 | N.A.  | 21.60  |
| 40-70   | 1387.87 | N.A.  | 22.20  |
| 60-80   | 737.41  | N.A.  | 11.80  |
| 70-80   | 322.95  | N.A.  | 5.20   |
| 80-90   | 231.64  | N.A.  | 3.70   |
| 90-110  | 552.51  | N.A.  | 8.80   |
| 90-120  | 964.04  | N.A.  | 15.40  |
| 90-130  | 1437.41 | N.A.  | 23.00  |
| 90-150  | 2394.49 | N.A.  | 38.20  |
| 90-180  | 3117.87 | N.A.  | 49.80  |
| 110-180 | 2565.36 | N.A.  | 41.00  |
| 0-180   | 6260.25 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 88.96  |
| 10-20   | 255.40 |
| 20-30   | 387.14 |
| 30-40   | 468.43 |
| 40-50   | 496.68 |
| 50-60   | 476.73 |
| 60-70   | 414.45 |
| 70-80   | 322.95 |
| 80-90   | 231.64 |
| 90-100  | 231.30 |
| 100-110 | 321.21 |
| 110-120 | 411.53 |
| 120-130 | 473.37 |
| 130-140 | 492.88 |
| 140-150 | 464.20 |
| 150-160 | 383.02 |
| 160-170 | 252.40 |
| 170-180 | 87.96  |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : CMH-3-00-L38-930U-L38-930D-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-3-00-L38-930U-L38-930D-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 | 21.1 | 22.0 | 22.1 | 23.0 | 24.3 | 15.2 | 16.1 | 16.1 | 17.1 | 18.3 |
|      | 3H   | 24.2 | 25.0 | 25.2 | 26.0 | 27.3 | 16.5 | 17.4 | 17.5 | 18.3 | 19.6 |
|      | 4H   | 25.8 | 26.6 | 26.8 | 27.6 | 28.8 | 17.0 | 17.7 | 17.9 | 18.7 | 20.0 |
|      | 6H   | 27.5 | 28.2 | 28.4 | 29.2 | 30.5 | 17.2 | 17.9 | 18.2 | 18.9 | 20.2 |
|      | 8H   | 28.3 | 29.0 | 29.3 | 30.1 | 31.4 | 17.3 | 17.9 | 18.2 | 19.0 | 20.3 |
|      | 12H  | 29.3 | 30.0 | 30.3 | 31.0 | 32.3 | 17.3 | 17.9 | 18.3 | 18.9 | 20.3 |

### UGR Viewed Endwise

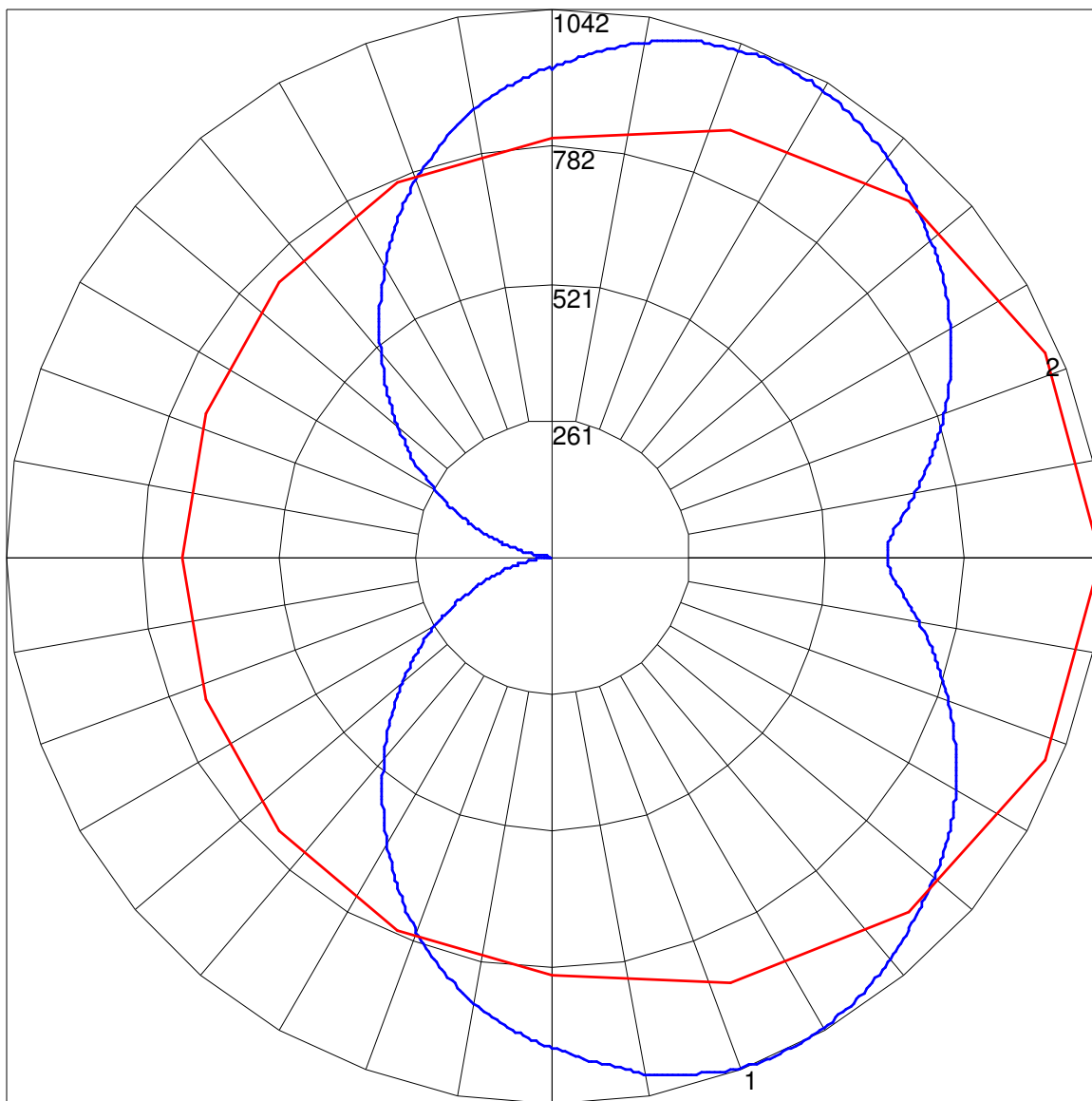
|    |     |      |      |      |      |      |      |      |      |      |      |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H  | 21.4 | 22.2 | 22.4 | 23.2 | 24.5 | 16.4 | 17.2 | 17.4 | 18.2 | 19.5 |
|    | 3H  | 24.7 | 25.4 | 25.7 | 26.4 | 27.7 | 18.1 | 18.7 | 19.0 | 19.7 | 21.0 |
|    | 4H  | 26.5 | 27.1 | 27.5 | 28.1 | 29.4 | 18.6 | 19.2 | 19.6 | 20.2 | 21.6 |
|    | 6H  | 28.4 | 28.9 | 29.4 | 29.9 | 31.2 | 19.0 | 19.5 | 20.0 | 20.6 | 21.9 |
|    | 8H  | 29.3 | 29.8 | 30.4 | 30.9 | 32.2 | 19.1 | 19.6 | 20.1 | 20.6 | 22.0 |
|    | 12H | 30.4 | 30.9 | 31.5 | 31.9 | 33.3 | 19.1 | 19.6 | 20.2 | 20.6 | 22.0 |

|    |     |      |      |      |      |      |      |      |      |      |      |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H  | 26.6 | 27.1 | 27.6 | 28.1 | 29.5 | 19.7 | 20.2 | 20.7 | 21.2 | 22.6 |
|    | 6H  | 28.7 | 29.1 | 29.7 | 30.1 | 31.5 | 20.4 | 20.8 | 21.4 | 21.8 | 23.2 |
|    | 8H  | 29.8 | 30.2 | 30.8 | 31.2 | 32.6 | 20.6 | 21.0 | 21.6 | 22.0 | 23.4 |
|    | 12H | 31.1 | 31.4 | 32.1 | 32.5 | 33.9 | 20.7 | 21.0 | 21.7 | 22.1 | 23.5 |

|     |    |      |      |      |      |      |      |      |      |      |      |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 26.6 | 27.0 | 27.6 | 28.1 | 29.4 | 20.1 | 20.5 | 21.1 | 21.6 | 22.9 |
|     | 6H | 28.7 | 29.0 | 29.7 | 30.1 | 31.5 | 20.9 | 21.3 | 21.9 | 22.3 | 23.7 |
|     | 8H | 29.9 | 30.2 | 30.9 | 31.2 | 32.6 | 21.2 | 21.5 | 22.2 | 22.6 | 24.0 |

Maximum UGR = 33.9

POLAR GRAPH



Maximum Candela = 1042.33 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.)