

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-3-L40-930-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 4792061012.01
[TESTLAB] UL, LLC
[ISSUE DATE] 2025-12-23
[TEST DATE] 12/12/2025
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] 75W-3-L40-930-DIM-UNV
[LUMINAIRE] 75W WIDE LENS LED STRIP LUMINAIRE
[LAMP] LED
[BALLAST] 0-10V DIMMING DRIVER

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 3186 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 113 |
| Total Luminaire Watts | 28.2 |
| Ballast Factor | 1.00 |
| CIE Type | Semi-Direct |
| Spacing Criterion (0-180) | 1.20 |
| Spacing Criterion (90-270) | 1.22 |
| Spacing Criterion (Diagonal) | 1.30 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 2.80 ft |
| Luminous Width (90-270) | 0.33 ft |
| Luminous Height | 0.08 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 9204 | 8267 | 8222 |
| 55 | 7947 | 7068 | 7218 |
| 65 | 6648 | 6041 | 6432 |
| 75 | 5279 | 5259 | 6012 |
| 85 | 3722 | 5137 | 6352 |

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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> |
|------|------------|-------------|-------------|-------------|-------------|
| 0.0 | 1031.041 | 1031.041 | 1031.041 | 1031.041 | 1031.041 |
| 0.5 | 1026.152 | 1030.064 | 1030.716 | 1030.390 | 1037.235 |
| 1.0 | 1026.152 | 1030.390 | 1030.390 | 1030.064 | 1036.909 |
| 1.5 | 1025.174 | 1030.390 | 1030.064 | 1029.738 | 1037.235 |
| 2.0 | 1024.848 | 1029.412 | 1030.064 | 1029.412 | 1036.257 |
| 2.5 | 1024.848 | 1029.412 | 1029.086 | 1029.086 | 1035.605 |
| 3.0 | 1023.870 | 1028.434 | 1028.434 | 1028.434 | 1034.953 |
| 3.5 | 1023.218 | 1027.456 | 1027.456 | 1027.782 | 1034.301 |
| 4.0 | 1022.566 | 1026.804 | 1026.804 | 1026.478 | 1033.649 |
| 4.5 | 1020.936 | 1025.826 | 1026.152 | 1025.826 | 1032.671 |
| 5.0 | 1019.959 | 1024.848 | 1024.848 | 1024.848 | 1031.693 |
| 5.5 | 1018.655 | 1023.544 | 1023.544 | 1023.870 | 1030.390 |
| 6.0 | 1018.003 | 1021.914 | 1022.240 | 1022.240 | 1029.086 |
| 6.5 | 1015.721 | 1020.610 | 1020.936 | 1020.936 | 1027.456 |
| 7.0 | 1014.417 | 1018.981 | 1019.307 | 1018.981 | 1026.152 |
| 7.5 | 1013.113 | 1017.025 | 1017.677 | 1017.677 | 1024.522 |
| 8.0 | 1011.483 | 1015.721 | 1015.721 | 1015.721 | 1022.240 |
| 8.5 | 1009.853 | 1013.439 | 1014.091 | 1014.091 | 1020.284 |
| 9.0 | 1007.246 | 1011.809 | 1012.135 | 1011.809 | 1018.003 |
| 9.5 | 1005.616 | 1009.528 | 1009.528 | 1009.528 | 1016.699 |
| 10.0 | 1003.008 | 1006.920 | 1006.920 | 1007.572 | 1014.091 |
| 10.5 | 1000.726 | 1004.638 | 1004.964 | 1004.964 | 1011.809 |
| 11.0 | 998.445 | 1002.356 | 1002.682 | 1002.356 | 1009.202 |
| 11.5 | 995.511 | 999.748 | 1000.400 | 999.748 | 1006.920 |
| 12.0 | 992.903 | 996.815 | 997.467 | 997.467 | 1003.986 |
| 12.5 | 990.295 | 993.881 | 994.859 | 994.207 | 1001.378 |
| 13.0 | 987.362 | 991.273 | 991.925 | 991.599 | 998.445 |
| 13.5 | 984.428 | 988.014 | 988.665 | 988.665 | 995.837 |
| 14.0 | 980.842 | 984.754 | 985.406 | 985.406 | 992.251 |
| 14.5 | 977.908 | 981.494 | 982.146 | 982.146 | 989.643 |
| 15.0 | 974.975 | 978.234 | 978.560 | 978.560 | 985.732 |
| 15.5 | 971.389 | 974.323 | 975.301 | 975.301 | 981.820 |
| 16.0 | 967.477 | 970.737 | 971.715 | 971.715 | 978.560 |
| 16.5 | 964.218 | 966.825 | 967.803 | 968.129 | 974.975 |
| 17.0 | 959.654 | 962.588 | 963.892 | 964.218 | 971.063 |
| 17.5 | 955.743 | 958.676 | 959.980 | 960.306 | 967.151 |
| 18.0 | 952.157 | 954.765 | 955.743 | 956.720 | 963.566 |
| 18.5 | 947.919 | 950.853 | 951.831 | 952.483 | 959.328 |
| 19.0 | 943.682 | 945.963 | 947.593 | 948.245 | 954.765 |
| 19.5 | 938.792 | 942.052 | 943.356 | 944.660 | 950.527 |
| 20.0 | 933.577 | 937.162 | 938.792 | 939.770 | 945.963 |
| 20.5 | 928.361 | 932.925 | 934.229 | 935.532 | 941.726 |
| 21.0 | 924.123 | 927.709 | 928.687 | 931.295 | 937.162 |
| 21.5 | 919.234 | 922.820 | 924.449 | 925.753 | 932.273 |
| 22.0 | 914.018 | 918.256 | 919.886 | 921.190 | 928.035 |
| 22.5 | 909.455 | 912.389 | 914.670 | 916.626 | 923.146 |
| 23.0 | 903.913 | 907.173 | 909.455 | 911.411 | 917.930 |
| 23.5 | 898.046 | 901.632 | 904.565 | 906.521 | 913.041 |
| 24.0 | 892.178 | 896.090 | 899.024 | 901.306 | 907.825 |
| 24.5 | 887.289 | 890.549 | 893.808 | 895.764 | 901.958 |
| 25.0 | 881.747 | 885.007 | 888.593 | 890.549 | 896.742 |
| 25.5 | 875.554 | 879.466 | 882.399 | 885.333 | 890.549 |
| 26.0 | 869.687 | 873.272 | 877.184 | 879.792 | 885.659 |
| 26.5 | 863.493 | 867.079 | 871.642 | 873.924 | 880.118 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|---------|---------|---------|---------|---------|
| 27.0 | 857.300 | 860.559 | 866.101 | 869.035 | 874.576 |
| 27.5 | 850.128 | 854.366 | 859.908 | 862.515 | 869.035 |
| 28.0 | 844.913 | 848.173 | 853.714 | 856.648 | 862.841 |
| 28.5 | 838.068 | 841.979 | 847.521 | 850.454 | 856.648 |
| 29.0 | 831.548 | 835.460 | 841.001 | 844.587 | 850.780 |
| 29.5 | 824.703 | 828.614 | 834.482 | 838.068 | 844.261 |
| 30.0 | 817.857 | 822.095 | 827.962 | 832.526 | 838.719 |
| 30.5 | 810.686 | 814.924 | 821.769 | 826.333 | 832.200 |
| 31.0 | 803.841 | 808.078 | 814.924 | 819.813 | 825.355 |
| 31.5 | 796.669 | 801.559 | 808.404 | 813.620 | 819.487 |
| 32.0 | 789.824 | 794.062 | 801.885 | 806.774 | 812.642 |
| 32.5 | 782.327 | 786.890 | 795.040 | 800.255 | 806.123 |
| 33.0 | 775.155 | 780.045 | 787.542 | 793.736 | 799.603 |
| 33.5 | 768.310 | 772.874 | 781.023 | 786.564 | 792.758 |
| 34.0 | 760.161 | 765.376 | 773.852 | 780.045 | 786.564 |
| 34.5 | 752.664 | 758.205 | 767.006 | 772.874 | 779.393 |
| 35.0 | 745.818 | 750.382 | 760.161 | 766.354 | 772.548 |
| 35.5 | 737.017 | 743.210 | 752.664 | 759.183 | 765.376 |
| 36.0 | 730.172 | 735.387 | 745.492 | 752.012 | 758.531 |
| 36.5 | 721.696 | 727.564 | 737.995 | 745.166 | 752.012 |
| 37.0 | 713.873 | 720.067 | 730.498 | 737.669 | 745.166 |
| 37.5 | 705.724 | 711.917 | 723.326 | 731.150 | 737.669 |
| 38.0 | 697.575 | 704.094 | 715.503 | 723.652 | 729.846 |
| 38.5 | 689.099 | 695.945 | 708.006 | 716.807 | 722.674 |
| 39.0 | 681.602 | 687.796 | 700.182 | 709.310 | 716.807 |
| 39.5 | 673.127 | 680.298 | 692.685 | 701.812 | 708.984 |
| 40.0 | 664.000 | 671.823 | 684.862 | 694.967 | 701.486 |
| 40.5 | 655.525 | 663.674 | 677.365 | 687.796 | 694.315 |
| 41.0 | 647.701 | 655.525 | 669.541 | 680.298 | 686.818 |
| 41.5 | 639.226 | 647.375 | 661.718 | 672.801 | 679.646 |
| 42.0 | 630.751 | 639.226 | 653.895 | 665.630 | 672.475 |
| 42.5 | 622.602 | 630.751 | 645.746 | 658.132 | 664.978 |
| 43.0 | 613.475 | 622.602 | 638.248 | 650.961 | 657.806 |
| 43.5 | 605.651 | 614.127 | 630.099 | 643.464 | 650.635 |
| 44.0 | 596.850 | 605.651 | 621.950 | 636.292 | 643.138 |
| 44.5 | 588.701 | 597.502 | 613.801 | 628.469 | 635.641 |
| 45.0 | 580.226 | 589.027 | 605.977 | 621.624 | 628.795 |
| 45.5 | 571.750 | 580.878 | 598.154 | 614.452 | 621.624 |
| 46.0 | 563.275 | 572.402 | 589.679 | 606.629 | 614.127 |
| 46.5 | 554.800 | 563.927 | 582.507 | 600.110 | 606.955 |
| 47.0 | 545.999 | 555.778 | 574.358 | 592.287 | 599.784 |
| 47.5 | 537.524 | 547.303 | 566.209 | 584.789 | 592.287 |
| 48.0 | 529.374 | 538.828 | 558.060 | 577.944 | 584.789 |
| 48.5 | 520.247 | 530.678 | 550.562 | 570.121 | 577.618 |
| 49.0 | 512.098 | 521.877 | 542.087 | 562.623 | 570.121 |
| 49.5 | 503.623 | 513.728 | 534.264 | 555.452 | 562.949 |
| 50.0 | 494.822 | 505.253 | 526.441 | 547.629 | 555.452 |
| 50.5 | 486.672 | 497.103 | 518.291 | 541.109 | 548.607 |
| 51.0 | 478.197 | 488.628 | 511.120 | 533.612 | 541.435 |
| 51.5 | 470.048 | 480.153 | 502.971 | 526.441 | 534.264 |
| 52.0 | 461.247 | 472.004 | 495.148 | 518.943 | 527.093 |
| 52.5 | 452.772 | 463.529 | 487.650 | 511.446 | 520.247 |
| 53.0 | 443.970 | 455.379 | 479.827 | 504.927 | 512.750 |
| 53.5 | 435.495 | 447.230 | 472.330 | 497.429 | 505.905 |
| 54.0 | 427.346 | 439.081 | 464.832 | 490.258 | 499.059 |
| 54.5 | 419.523 | 430.606 | 457.335 | 483.739 | 492.214 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|---------|---------|---------|---------|---------|
| 55.0 | 411.373 | 422.782 | 449.838 | 476.241 | 486.021 |
| 55.5 | 404.528 | 414.633 | 442.341 | 469.396 | 478.523 |
| 56.0 | 396.705 | 407.462 | 435.169 | 462.551 | 471.678 |
| 56.5 | 388.556 | 399.965 | 427.672 | 455.705 | 465.158 |
| 57.0 | 380.732 | 392.467 | 420.501 | 448.860 | 458.313 |
| 57.5 | 372.583 | 384.644 | 414.307 | 442.341 | 450.816 |
| 58.0 | 364.434 | 376.821 | 407.136 | 435.169 | 445.274 |
| 58.5 | 356.611 | 368.997 | 399.965 | 428.976 | 438.755 |
| 59.0 | 348.787 | 361.174 | 393.119 | 423.434 | 431.910 |
| 59.5 | 340.964 | 353.677 | 386.926 | 416.589 | 426.694 |
| 60.0 | 333.141 | 345.854 | 380.080 | 410.070 | 420.175 |
| 60.5 | 325.481 | 338.356 | 373.235 | 403.876 | 413.655 |
| 61.0 | 317.788 | 330.859 | 366.390 | 397.683 | 407.462 |
| 61.5 | 310.160 | 323.427 | 359.544 | 391.489 | 401.594 |
| 62.0 | 302.663 | 316.060 | 353.025 | 385.622 | 395.401 |
| 62.5 | 295.263 | 308.758 | 346.180 | 379.754 | 389.534 |
| 63.0 | 287.766 | 301.489 | 339.660 | 373.561 | 384.318 |
| 63.5 | 280.334 | 294.318 | 333.467 | 367.694 | 378.451 |
| 64.0 | 273.097 | 287.244 | 326.947 | 361.500 | 372.583 |
| 64.5 | 265.893 | 280.334 | 320.754 | 355.633 | 366.716 |
| 65.0 | 258.755 | 273.391 | 314.528 | 349.765 | 361.174 |
| 65.5 | 251.714 | 266.610 | 308.367 | 343.898 | 355.307 |
| 66.0 | 244.575 | 259.830 | 302.272 | 338.030 | 349.765 |
| 66.5 | 237.599 | 253.213 | 296.208 | 332.489 | 344.224 |
| 67.0 | 230.786 | 246.661 | 290.178 | 326.621 | 338.682 |
| 67.5 | 223.941 | 240.207 | 284.278 | 321.145 | 333.141 |
| 68.0 | 217.193 | 233.916 | 278.411 | 315.604 | 327.925 |
| 68.5 | 210.544 | 227.657 | 272.673 | 310.225 | 322.482 |
| 69.0 | 203.927 | 221.464 | 267.002 | 304.814 | 317.331 |
| 69.5 | 197.407 | 215.401 | 261.395 | 299.566 | 312.214 |
| 70.0 | 190.920 | 209.435 | 255.886 | 294.416 | 307.128 |
| 70.5 | 184.597 | 203.535 | 250.377 | 289.265 | 302.109 |
| 71.0 | 178.338 | 197.700 | 244.966 | 284.180 | 297.154 |
| 71.5 | 172.144 | 191.996 | 239.685 | 279.225 | 292.264 |
| 72.0 | 166.081 | 186.259 | 234.405 | 274.303 | 287.505 |
| 72.5 | 159.986 | 180.717 | 229.254 | 269.479 | 282.779 |
| 73.0 | 154.053 | 175.209 | 224.137 | 264.720 | 278.019 |
| 73.5 | 148.284 | 169.765 | 219.182 | 259.993 | 273.391 |
| 74.0 | 142.579 | 164.484 | 214.162 | 255.430 | 268.729 |
| 74.5 | 136.972 | 159.171 | 209.370 | 250.899 | 264.329 |
| 75.0 | 131.398 | 153.988 | 204.611 | 246.466 | 260.058 |
| 75.5 | 125.922 | 148.935 | 199.917 | 242.065 | 255.723 |
| 76.0 | 120.609 | 143.981 | 195.354 | 237.697 | 251.485 |
| 76.5 | 115.328 | 139.091 | 190.823 | 233.427 | 247.248 |
| 77.0 | 110.112 | 134.234 | 186.357 | 229.189 | 243.141 |
| 77.5 | 104.995 | 129.508 | 181.956 | 225.082 | 239.066 |
| 78.0 | 99.942 | 124.879 | 177.686 | 221.040 | 235.057 |
| 78.5 | 94.988 | 120.315 | 173.448 | 216.965 | 231.080 |
| 79.0 | 90.131 | 115.882 | 169.341 | 213.021 | 227.168 |
| 79.5 | 85.306 | 111.482 | 165.299 | 209.175 | 223.257 |
| 80.0 | 80.547 | 107.146 | 161.257 | 205.361 | 219.540 |
| 80.5 | 75.918 | 102.941 | 157.345 | 201.514 | 215.759 |
| 81.0 | 71.420 | 98.801 | 153.597 | 197.798 | 212.076 |
| 81.5 | 66.856 | 94.759 | 149.848 | 194.115 | 208.392 |
| 82.0 | 62.456 | 90.815 | 146.197 | 190.562 | 204.839 |
| 82.5 | 58.153 | 86.936 | 142.612 | 187.009 | 201.351 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|--------|---------|---------|---------|
| 83.0 | 53.915 | 83.155 | 139.091 | 183.586 | 197.961 |
| 83.5 | 49.710 | 79.471 | 135.734 | 180.098 | 194.441 |
| 84.0 | 45.603 | 75.886 | 132.474 | 176.806 | 191.083 |
| 84.5 | 41.529 | 72.430 | 129.279 | 173.546 | 187.791 |
| 85.0 | 37.617 | 69.073 | 126.150 | 170.319 | 184.499 |
| 85.5 | 33.705 | 65.878 | 123.086 | 167.190 | 181.304 |
| 86.0 | 29.859 | 62.814 | 120.087 | 164.126 | 178.142 |
| 86.5 | 26.045 | 59.946 | 117.251 | 161.062 | 174.980 |
| 87.0 | 22.296 | 57.175 | 114.383 | 158.160 | 171.884 |
| 87.5 | 18.548 | 54.600 | 111.677 | 155.227 | 168.917 |
| 88.0 | 14.832 | 52.090 | 109.004 | 152.391 | 165.918 |
| 88.5 | 11.083 | 49.743 | 106.429 | 149.587 | 163.017 |
| 89.0 | 7.660 | 47.526 | 103.984 | 146.882 | 160.149 |
| 89.5 | 4.857 | 45.473 | 101.605 | 144.274 | 157.345 |
| 90.0 | 2.901 | 43.647 | 99.421 | 141.797 | 154.770 |
| 90.5 | 2.054 | 42.050 | 97.400 | 139.319 | 152.032 |
| 91.0 | 2.184 | 40.583 | 95.346 | 136.809 | 149.424 |
| 91.5 | 2.608 | 39.182 | 93.292 | 134.430 | 146.817 |
| 92.0 | 3.097 | 38.008 | 91.337 | 132.018 | 144.274 |
| 92.5 | 3.618 | 36.998 | 89.674 | 129.703 | 141.764 |
| 93.0 | 4.140 | 36.117 | 87.947 | 127.519 | 139.352 |
| 93.5 | 4.694 | 35.433 | 86.317 | 125.368 | 137.070 |
| 94.0 | 5.281 | 34.846 | 84.785 | 123.347 | 134.854 |
| 94.5 | 5.835 | 34.422 | 83.350 | 121.293 | 132.572 |
| 95.0 | 6.389 | 34.096 | 82.014 | 119.272 | 130.388 |
| 95.5 | 6.911 | 33.868 | 80.775 | 117.349 | 128.236 |
| 96.0 | 7.334 | 33.770 | 79.700 | 115.491 | 126.118 |
| 96.5 | 7.758 | 33.770 | 78.624 | 113.763 | 124.162 |
| 97.0 | 8.149 | 33.803 | 77.646 | 112.101 | 122.206 |
| 97.5 | 8.573 | 33.933 | 76.733 | 110.504 | 120.413 |
| 98.0 | 8.932 | 34.064 | 75.918 | 108.939 | 118.588 |
| 98.5 | 9.355 | 34.227 | 75.234 | 107.440 | 116.893 |
| 99.0 | 9.779 | 34.422 | 74.517 | 106.038 | 115.230 |
| 99.5 | 10.235 | 34.651 | 73.897 | 104.701 | 113.600 |
| 100.0 | 10.627 | 34.879 | 73.408 | 103.463 | 112.134 |
| 100.5 | 11.083 | 35.140 | 72.919 | 102.257 | 110.634 |
| 101.0 | 11.474 | 35.400 | 72.561 | 101.116 | 109.298 |
| 101.5 | 11.865 | 35.661 | 72.202 | 100.040 | 107.928 |
| 102.0 | 12.224 | 35.922 | 71.941 | 99.030 | 106.722 |
| 102.5 | 12.582 | 36.183 | 71.681 | 98.084 | 105.516 |
| 103.0 | 12.941 | 36.476 | 71.485 | 97.139 | 104.441 |
| 103.5 | 13.332 | 36.769 | 71.322 | 96.324 | 103.332 |
| 104.0 | 13.756 | 37.030 | 71.159 | 95.574 | 102.322 |
| 104.5 | 14.180 | 37.324 | 71.061 | 94.857 | 101.377 |
| 105.0 | 14.571 | 37.617 | 70.964 | 94.205 | 100.464 |
| 105.5 | 14.929 | 37.878 | 70.866 | 93.521 | 99.681 |
| 106.0 | 15.353 | 38.204 | 70.833 | 92.934 | 98.899 |
| 106.5 | 15.744 | 38.497 | 70.833 | 92.380 | 98.117 |
| 107.0 | 16.135 | 38.823 | 70.833 | 91.858 | 97.465 |
| 107.5 | 16.494 | 39.084 | 70.833 | 91.467 | 96.780 |
| 108.0 | 16.950 | 39.410 | 70.833 | 91.011 | 96.096 |
| 108.5 | 17.374 | 39.736 | 70.866 | 90.685 | 95.639 |
| 109.0 | 17.798 | 39.996 | 70.931 | 90.261 | 95.183 |
| 109.5 | 18.254 | 40.290 | 70.964 | 89.968 | 94.694 |
| 110.0 | 18.711 | 40.583 | 71.029 | 89.642 | 94.303 |
| 110.5 | 19.167 | 40.877 | 71.094 | 89.348 | 93.944 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|--------|--------|--------|--------|
| 111.0 | 19.623 | 41.170 | 71.127 | 89.087 | 93.553 |
| 111.5 | 20.080 | 41.431 | 71.159 | 88.892 | 93.227 |
| 112.0 | 20.569 | 41.724 | 71.224 | 88.696 | 92.836 |
| 112.5 | 21.058 | 42.017 | 71.290 | 88.468 | 92.478 |
| 113.0 | 21.579 | 42.311 | 71.387 | 88.305 | 92.315 |
| 113.5 | 22.068 | 42.572 | 71.387 | 88.142 | 92.086 |
| 114.0 | 22.590 | 42.832 | 71.453 | 88.012 | 91.858 |
| 114.5 | 23.079 | 43.126 | 71.518 | 87.849 | 91.663 |
| 115.0 | 23.600 | 43.354 | 71.583 | 87.751 | 91.500 |
| 115.5 | 24.122 | 43.647 | 71.583 | 87.653 | 91.337 |
| 116.0 | 24.611 | 43.908 | 71.681 | 87.523 | 91.141 |
| 116.5 | 25.067 | 44.169 | 71.746 | 87.392 | 91.076 |
| 117.0 | 25.589 | 44.462 | 71.811 | 87.392 | 90.913 |
| 117.5 | 26.078 | 44.690 | 71.876 | 87.262 | 90.815 |
| 118.0 | 26.501 | 44.919 | 71.941 | 87.197 | 90.685 |
| 118.5 | 26.990 | 45.147 | 71.974 | 87.099 | 90.652 |
| 119.0 | 27.414 | 45.375 | 72.039 | 87.001 | 90.457 |
| 119.5 | 27.870 | 45.538 | 72.104 | 86.903 | 90.424 |
| 120.0 | 28.294 | 45.701 | 72.072 | 86.838 | 90.261 |
| 120.5 | 28.718 | 45.897 | 72.104 | 86.708 | 90.228 |
| 121.0 | 29.142 | 46.027 | 72.170 | 86.610 | 90.098 |
| 121.5 | 29.598 | 46.190 | 72.137 | 86.480 | 90.033 |
| 122.0 | 30.022 | 46.385 | 72.137 | 86.415 | 89.935 |
| 122.5 | 30.446 | 46.581 | 72.170 | 86.284 | 89.707 |
| 123.0 | 30.869 | 46.777 | 72.137 | 86.154 | 89.674 |
| 123.5 | 31.260 | 46.940 | 72.072 | 86.056 | 89.479 |
| 124.0 | 31.586 | 47.070 | 72.072 | 85.958 | 89.446 |
| 124.5 | 31.912 | 47.200 | 72.072 | 85.795 | 89.316 |
| 125.0 | 32.238 | 47.363 | 72.007 | 85.632 | 89.185 |
| 125.5 | 32.564 | 47.461 | 71.941 | 85.534 | 89.022 |
| 126.0 | 32.858 | 47.592 | 71.909 | 85.339 | 88.892 |
| 126.5 | 33.118 | 47.755 | 71.844 | 85.208 | 88.794 |
| 127.0 | 33.412 | 47.820 | 71.778 | 85.045 | 88.664 |
| 127.5 | 33.640 | 47.918 | 71.681 | 84.882 | 88.436 |
| 128.0 | 33.933 | 47.918 | 71.648 | 84.687 | 88.305 |
| 128.5 | 34.162 | 47.983 | 71.518 | 84.524 | 88.175 |
| 129.0 | 34.390 | 48.048 | 71.387 | 84.361 | 88.012 |
| 129.5 | 34.585 | 48.146 | 71.159 | 84.100 | 87.816 |
| 130.0 | 34.748 | 48.211 | 70.931 | 83.937 | 87.621 |
| 130.5 | 34.911 | 48.276 | 70.670 | 83.742 | 87.392 |
| 131.0 | 35.009 | 48.374 | 70.409 | 83.448 | 87.164 |
| 131.5 | 35.140 | 48.472 | 70.149 | 83.187 | 86.936 |
| 132.0 | 35.270 | 48.569 | 69.855 | 83.024 | 86.740 |
| 132.5 | 35.335 | 48.602 | 69.529 | 82.698 | 86.447 |
| 133.0 | 35.433 | 48.635 | 69.399 | 82.405 | 86.089 |
| 133.5 | 35.465 | 48.602 | 69.203 | 82.177 | 85.926 |
| 134.0 | 35.498 | 48.537 | 69.073 | 81.916 | 85.697 |
| 134.5 | 35.596 | 48.406 | 68.910 | 81.623 | 85.274 |
| 135.0 | 35.694 | 48.309 | 68.714 | 81.232 | 84.948 |
| 135.5 | 35.661 | 48.048 | 68.551 | 80.971 | 84.687 |
| 136.0 | 35.726 | 48.015 | 68.323 | 80.645 | 84.361 |
| 136.5 | 35.791 | 47.918 | 68.160 | 80.286 | 84.035 |
| 137.0 | 35.824 | 47.755 | 67.899 | 79.993 | 83.676 |
| 137.5 | 35.857 | 47.592 | 67.671 | 79.602 | 83.350 |
| 138.0 | 35.922 | 47.494 | 67.345 | 79.276 | 82.959 |
| 138.5 | 35.922 | 47.363 | 66.922 | 78.917 | 82.666 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-3-L40-930-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|--------|--------|--------|--------|
| 139.0 | 35.889 | 47.266 | 66.433 | 78.493 | 82.210 |
| 139.5 | 35.889 | 47.135 | 65.846 | 78.037 | 81.884 |
| 140.0 | 35.889 | 46.972 | 65.194 | 77.613 | 81.427 |
| 140.5 | 35.889 | 46.874 | 64.607 | 77.092 | 80.938 |
| 141.0 | 35.889 | 46.809 | 63.955 | 76.538 | 80.547 |
| 141.5 | 35.889 | 46.679 | 63.303 | 76.049 | 80.156 |
| 142.0 | 35.857 | 46.614 | 62.684 | 75.429 | 79.732 |
| 142.5 | 35.824 | 46.516 | 62.032 | 74.875 | 79.243 |
| 143.0 | 35.791 | 46.418 | 61.413 | 74.354 | 78.754 |
| 143.5 | 35.791 | 46.288 | 60.696 | 73.799 | 78.298 |
| 144.0 | 35.791 | 46.125 | 60.076 | 73.376 | 77.776 |
| 144.5 | 35.889 | 45.994 | 59.457 | 72.887 | 77.320 |
| 145.0 | 36.020 | 45.864 | 58.772 | 72.463 | 76.798 |
| 145.5 | 36.248 | 45.701 | 58.153 | 72.039 | 76.277 |
| 146.0 | 36.541 | 45.571 | 57.566 | 71.583 | 75.788 |
| 146.5 | 36.835 | 45.440 | 57.077 | 71.094 | 75.234 |
| 147.0 | 37.128 | 45.277 | 56.523 | 70.605 | 74.680 |
| 147.5 | 37.389 | 45.212 | 56.099 | 70.116 | 74.125 |
| 148.0 | 37.682 | 45.082 | 55.643 | 69.562 | 73.539 |
| 148.5 | 37.943 | 45.049 | 55.284 | 69.040 | 72.952 |
| 149.0 | 38.269 | 45.049 | 54.893 | 68.519 | 72.430 |
| 149.5 | 38.497 | 45.147 | 54.535 | 67.965 | 71.778 |
| 150.0 | 38.758 | 45.212 | 54.176 | 67.443 | 71.094 |
| 150.5 | 38.986 | 45.245 | 53.785 | 66.856 | 70.377 |
| 151.0 | 39.149 | 45.342 | 53.263 | 66.270 | 69.529 |
| 151.5 | 39.312 | 45.375 | 52.709 | 65.650 | 68.747 |
| 152.0 | 39.508 | 45.440 | 52.188 | 64.998 | 67.965 |
| 152.5 | 39.703 | 45.505 | 51.699 | 64.314 | 67.117 |
| 153.0 | 39.833 | 45.538 | 51.177 | 63.531 | 66.433 |
| 153.5 | 39.996 | 45.636 | 50.623 | 62.717 | 65.650 |
| 154.0 | 40.127 | 45.603 | 50.134 | 61.804 | 64.998 |
| 154.5 | 40.290 | 45.636 | 49.710 | 60.924 | 64.346 |
| 155.0 | 40.355 | 45.701 | 49.287 | 59.913 | 63.857 |
| 155.5 | 40.485 | 45.734 | 48.863 | 58.968 | 63.336 |
| 156.0 | 40.583 | 45.734 | 48.569 | 57.957 | 62.880 |
| 156.5 | 40.746 | 45.734 | 48.276 | 56.947 | 62.293 |
| 157.0 | 40.811 | 45.799 | 47.983 | 56.034 | 61.739 |
| 157.5 | 40.909 | 45.799 | 47.787 | 55.154 | 61.119 |
| 158.0 | 41.040 | 45.766 | 47.689 | 54.241 | 60.533 |
| 158.5 | 41.072 | 45.766 | 47.559 | 53.492 | 59.848 |
| 159.0 | 41.235 | 45.668 | 47.461 | 52.774 | 59.261 |
| 159.5 | 41.366 | 45.603 | 47.298 | 52.090 | 58.609 |
| 160.0 | 41.529 | 45.538 | 47.135 | 51.536 | 57.957 |
| 160.5 | 41.724 | 45.505 | 47.005 | 51.014 | 57.338 |
| 161.0 | 41.854 | 45.408 | 46.972 | 50.460 | 56.719 |
| 161.5 | 42.050 | 45.375 | 46.907 | 49.906 | 56.262 |
| 162.0 | 42.213 | 45.310 | 47.005 | 49.450 | 55.871 |
| 162.5 | 42.376 | 45.310 | 47.070 | 48.961 | 55.415 |
| 163.0 | 42.572 | 45.277 | 47.103 | 48.439 | 55.024 |
| 163.5 | 42.735 | 45.277 | 47.168 | 47.885 | 54.535 |
| 164.0 | 42.800 | 45.277 | 47.233 | 47.200 | 54.078 |
| 164.5 | 42.898 | 45.212 | 47.168 | 46.679 | 53.492 |
| 165.0 | 42.995 | 45.212 | 47.070 | 46.157 | 52.905 |
| 165.5 | 43.093 | 45.179 | 46.972 | 45.799 | 52.286 |
| 166.0 | 43.191 | 45.147 | 46.907 | 45.408 | 51.340 |
| 166.5 | 43.289 | 45.147 | 46.809 | 45.082 | 50.884 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-3-L40-930-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|--------|--------|--------|--------|
| 167.0 | 43.419 | 45.147 | 46.711 | 44.788 | 50.525 |
| 167.5 | 43.484 | 45.147 | 46.516 | 44.527 | 50.167 |
| 168.0 | 43.582 | 45.147 | 46.353 | 44.267 | 49.873 |
| 168.5 | 43.778 | 45.016 | 46.125 | 44.038 | 49.515 |
| 169.0 | 43.875 | 45.049 | 45.962 | 43.810 | 49.156 |
| 169.5 | 44.038 | 44.951 | 45.701 | 43.550 | 48.765 |
| 170.0 | 44.104 | 44.919 | 45.473 | 43.224 | 48.406 |
| 170.5 | 44.201 | 44.853 | 45.179 | 42.865 | 48.015 |
| 171.0 | 44.267 | 44.788 | 44.853 | 42.474 | 47.526 |
| 171.5 | 44.364 | 44.788 | 44.560 | 42.115 | 47.135 |
| 172.0 | 44.527 | 44.723 | 44.397 | 41.757 | 46.548 |
| 172.5 | 44.625 | 44.723 | 44.201 | 41.366 | 45.897 |
| 173.0 | 44.756 | 44.658 | 44.038 | 41.007 | 44.788 |
| 173.5 | 44.919 | 44.690 | 43.973 | 40.648 | 43.126 |
| 174.0 | 45.049 | 44.690 | 43.941 | 40.355 | 41.072 |
| 174.5 | 45.147 | 44.690 | 43.875 | 40.062 | 38.627 |
| 175.0 | 45.342 | 44.788 | 43.843 | 39.833 | 35.857 |
| 175.5 | 45.408 | 44.821 | 43.810 | 39.736 | 32.956 |
| 176.0 | 45.538 | 44.886 | 43.810 | 39.638 | 31.065 |
| 176.5 | 45.571 | 44.919 | 43.778 | 39.638 | 29.728 |
| 177.0 | 45.701 | 44.984 | 43.713 | 39.540 | 28.359 |
| 177.5 | 45.734 | 44.984 | 43.615 | 39.508 | 28.066 |
| 178.0 | 45.864 | 45.049 | 43.582 | 39.475 | 28.131 |
| 178.5 | 45.929 | 45.082 | 43.615 | 39.410 | 28.196 |
| 179.0 | 45.994 | 45.082 | 43.582 | 39.312 | 28.229 |
| 179.5 | 46.059 | 45.082 | 43.550 | 39.279 | 28.262 |
| 180.0 | 41.300 | 41.300 | 41.300 | 41.300 | 41.300 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-3-L40-930-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 373.19 | N.A. | 11.70 |
| 0-30 | 781.97 | N.A. | 24.50 |
| 0-40 | 1256.12 | N.A. | 39.40 |
| 0-60 | 2125.82 | N.A. | 66.70 |
| 0-80 | 2648.4 | N.A. | 83.10 |
| 0-90 | 2779.82 | N.A. | 87.30 |
| 10-90 | 2682.53 | N.A. | 84.20 |
| 20-40 | 882.93 | N.A. | 27.70 |
| 20-50 | 1349.85 | N.A. | 42.40 |
| 40-70 | 1179.5 | N.A. | 37.00 |
| 60-80 | 522.57 | N.A. | 16.40 |
| 70-80 | 212.77 | N.A. | 6.70 |
| 80-90 | 131.43 | N.A. | 4.10 |
| 90-110 | 153.51 | N.A. | 4.80 |
| 90-120 | 218.13 | N.A. | 6.80 |
| 90-130 | 277.61 | N.A. | 8.70 |
| 90-150 | 364.45 | N.A. | 11.40 |
| 90-180 | 405.96 | N.A. | 12.70 |
| 110-180 | 252.46 | N.A. | 7.90 |
| 0-180 | 3185.79 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 97.29 |
| 10-20 | 275.90 |
| 20-30 | 408.77 |
| 30-40 | 474.16 |
| 40-50 | 466.93 |
| 50-60 | 402.78 |
| 60-70 | 309.80 |
| 70-80 | 212.77 |
| 80-90 | 131.43 |
| 90-100 | 84.21 |
| 100-110 | 69.30 |
| 110-120 | 64.62 |
| 120-130 | 59.48 |
| 130-140 | 49.98 |
| 140-150 | 36.86 |
| 150-160 | 24.10 |
| 160-170 | 13.28 |
| 170-180 | 4.14 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-3-L40-930-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 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 104 | 104 | 104 | 97 | 97 | 97 | 90 | 90 | 90 | 87 |
| 1 | 105 | 100 | 95 | 91 | 101 | 96 | 92 | 89 | 90 | 86 | 83 | 84 | 81 | 79 | 78 | 76 | 74 | 71 |
| 2 | 95 | 87 | 80 | 74 | 92 | 84 | 78 | 72 | 78 | 73 | 69 | 73 | 69 | 65 | 68 | 65 | 62 | 59 |
| 3 | 87 | 76 | 68 | 62 | 83 | 74 | 66 | 60 | 69 | 63 | 58 | 65 | 60 | 55 | 61 | 56 | 53 | 50 |
| 4 | 80 | 68 | 59 | 52 | 76 | 66 | 58 | 51 | 62 | 55 | 49 | 58 | 52 | 47 | 54 | 49 | 45 | 43 |
| 5 | 73 | 61 | 52 | 45 | 70 | 59 | 51 | 44 | 55 | 48 | 43 | 52 | 46 | 41 | 49 | 44 | 40 | 37 |
| 6 | 68 | 55 | 46 | 40 | 65 | 53 | 45 | 39 | 50 | 43 | 38 | 47 | 41 | 36 | 44 | 39 | 35 | 33 |
| 7 | 63 | 50 | 41 | 35 | 60 | 48 | 40 | 34 | 46 | 38 | 33 | 43 | 37 | 32 | 41 | 35 | 31 | 29 |
| 8 | 59 | 45 | 37 | 31 | 56 | 44 | 36 | 31 | 42 | 35 | 30 | 40 | 33 | 29 | 37 | 32 | 28 | 26 |
| 9 | 55 | 42 | 34 | 28 | 53 | 41 | 33 | 28 | 38 | 32 | 27 | 36 | 30 | 26 | 35 | 29 | 25 | 23 |
| 10 | 51 | 38 | 31 | 25 | 49 | 37 | 30 | 25 | 36 | 29 | 24 | 34 | 28 | 24 | 32 | 27 | 23 | 21 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-3-L40-930-DIM-UNV_.IES

UGR TABLE - CORRECTED

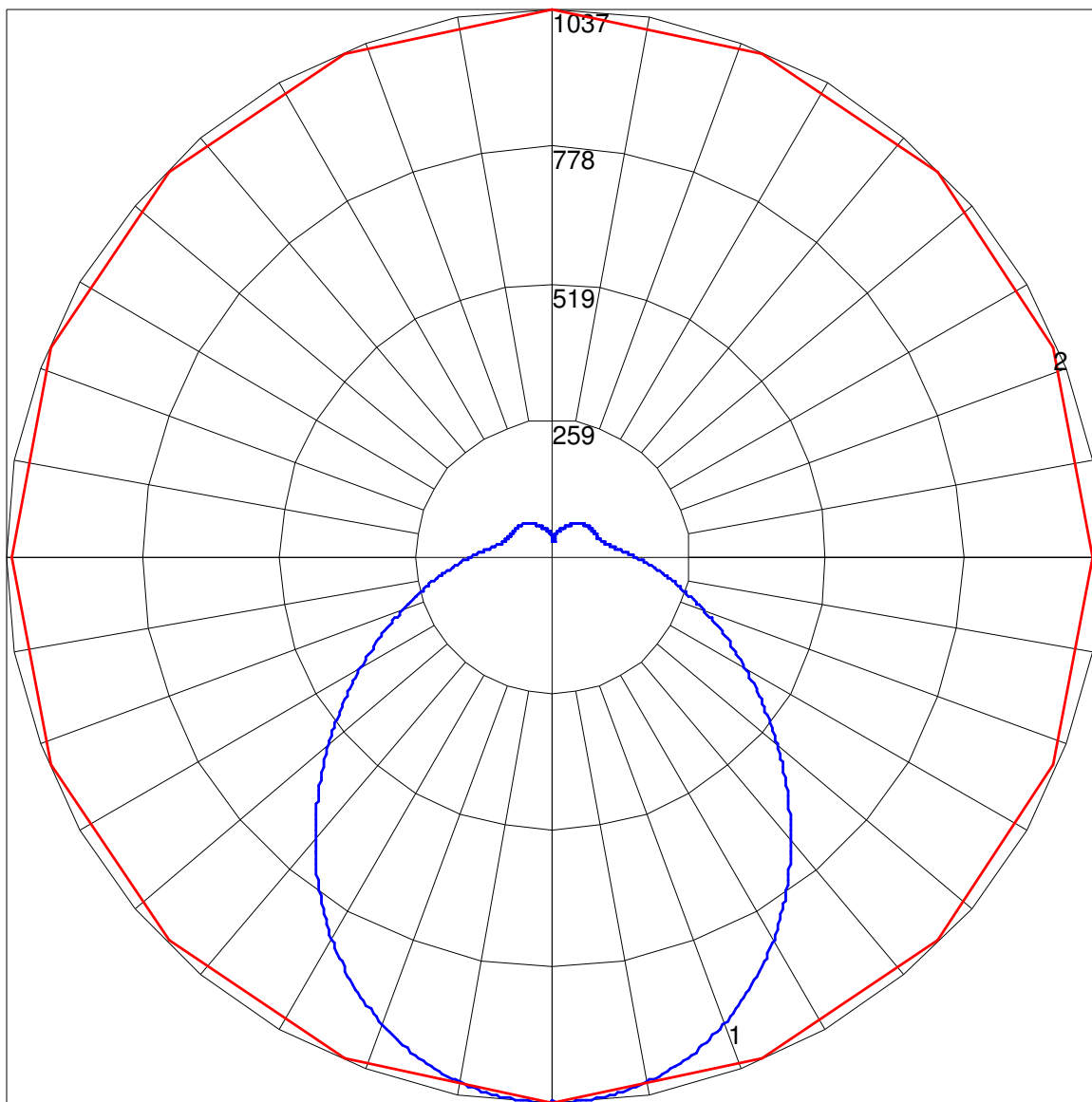
Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | | | | | UGR Viewed Endwise | | | | |
|-----------|------|----------------------|------|------|------|------|--------------------|------|------|------|------|
| X=2H | Y=2H | 16.8 | 18.1 | 17.3 | 18.7 | 19.3 | 18.4 | 19.8 | 19.0 | 20.3 | 21.0 |
| | 3H | 18.1 | 19.4 | 18.7 | 19.9 | 20.6 | 20.6 | 21.8 | 21.2 | 22.4 | 23.1 |
| | 4H | 18.6 | 19.7 | 19.2 | 20.3 | 21.0 | 21.7 | 22.8 | 22.2 | 23.4 | 24.1 |
| | 6H | 18.9 | 20.0 | 19.5 | 20.6 | 21.2 | 22.8 | 23.9 | 23.4 | 24.5 | 25.1 |
| | 8H | 18.9 | 20.0 | 19.6 | 20.6 | 21.3 | 23.3 | 24.4 | 24.0 | 25.0 | 25.7 |
| | 12H | 19.0 | 20.0 | 19.6 | 20.6 | 21.3 | 24.0 | 25.0 | 24.6 | 25.6 | 26.3 |
| 4H | 2H | 17.5 | 18.7 | 18.1 | 19.3 | 19.9 | 18.8 | 20.0 | 19.4 | 20.6 | 21.2 |
| | 3H | 19.1 | 20.1 | 19.7 | 20.7 | 21.4 | 21.2 | 22.2 | 21.8 | 22.9 | 23.6 |
| | 4H | 19.7 | 20.6 | 20.3 | 21.2 | 21.9 | 22.5 | 23.4 | 23.1 | 24.0 | 24.7 |
| | 6H | 20.1 | 20.9 | 20.7 | 21.5 | 22.3 | 23.8 | 24.6 | 24.4 | 25.2 | 26.0 |
| | 8H | 20.2 | 20.9 | 20.8 | 21.6 | 22.3 | 24.5 | 25.2 | 25.1 | 25.9 | 26.6 |
| | 12H | 20.3 | 20.9 | 20.9 | 21.6 | 22.4 | 25.2 | 25.9 | 25.9 | 26.6 | 27.4 |
| 8H | 4H | 20.2 | 21.0 | 20.9 | 21.6 | 22.4 | 22.7 | 23.4 | 23.3 | 24.1 | 24.8 |
| | 6H | 20.8 | 21.4 | 21.5 | 22.1 | 22.9 | 24.2 | 24.8 | 24.8 | 25.5 | 26.2 |
| | 8H | 21.0 | 21.6 | 21.7 | 22.3 | 23.1 | 25.0 | 25.6 | 25.7 | 26.3 | 27.0 |
| | 12H | 21.2 | 21.7 | 21.9 | 22.4 | 23.2 | 26.0 | 26.5 | 26.7 | 27.2 | 28.0 |
| 12H | 4H | 20.4 | 21.1 | 21.1 | 21.7 | 22.5 | 22.7 | 23.3 | 23.3 | 24.0 | 24.8 |
| | 6H | 21.1 | 21.6 | 21.8 | 22.3 | 23.1 | 24.2 | 24.8 | 24.9 | 25.4 | 26.3 |
| | 8H | 21.4 | 21.9 | 22.1 | 22.6 | 23.4 | 25.1 | 25.6 | 25.8 | 26.3 | 27.1 |

Maximum UGR = 28.0

POLAR GRAPH



Maximum Candela = 1037.235 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)