

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L30-935-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-4-L30-935-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                | 2420                |
| Total Luminaire Efficiency      | N.A.                |
| Luminaire Efficacy Rating (LER) | 123                 |
| Total Luminaire Watts           | 19.7                |
| 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)         | 3.71 ft             |
| Luminous Width (90-270)         | 0.33 ft             |
| Luminous Height                 | 0.08 ft             |

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

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 5311             | 4757              | 4710              |
| 55                  | 4599             | 4072              | 4135              |
| 65                  | 3866             | 3488              | 3685              |
| 75                  | 3100             | 3047              | 3444              |
| 85                  | 2274             | 2997              | 3639              |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-935-DIM-UNV\_.IES**

**CANDELA TABULATION**

|      | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|------|------------|-------------|-------------|-------------|-------------|
| 0.0  | 783.316    | 783.316     | 783.316     | 783.316     | 783.316     |
| 0.5  | 779.601    | 782.573     | 783.068     | 782.820     | 788.021     |
| 1.0  | 779.601    | 782.820     | 782.820     | 782.573     | 787.773     |
| 1.5  | 778.858    | 782.820     | 782.573     | 782.325     | 788.021     |
| 2.0  | 778.610    | 782.077     | 782.573     | 782.077     | 787.278     |
| 2.5  | 778.610    | 782.077     | 781.830     | 781.830     | 786.783     |
| 3.0  | 777.867    | 781.334     | 781.334     | 781.334     | 786.287     |
| 3.5  | 777.372    | 780.592     | 780.592     | 780.839     | 785.792     |
| 4.0  | 776.877    | 780.096     | 780.096     | 779.849     | 785.297     |
| 4.5  | 775.639    | 779.353     | 779.601     | 779.353     | 784.554     |
| 5.0  | 774.896    | 778.610     | 778.610     | 778.610     | 783.811     |
| 5.5  | 773.905    | 777.620     | 777.620     | 777.867     | 782.820     |
| 6.0  | 773.410    | 776.381     | 776.629     | 776.629     | 781.830     |
| 6.5  | 771.676    | 775.391     | 775.639     | 775.639     | 780.592     |
| 7.0  | 770.686    | 774.153     | 774.400     | 774.153     | 779.601     |
| 7.5  | 769.695    | 772.667     | 773.162     | 773.162     | 778.363     |
| 8.0  | 768.457    | 771.676     | 771.676     | 771.676     | 776.629     |
| 8.5  | 767.218    | 769.943     | 770.438     | 770.438     | 775.143     |
| 9.0  | 765.237    | 768.704     | 768.952     | 768.704     | 773.410     |
| 9.5  | 763.999    | 766.971     | 766.971     | 766.971     | 772.419     |
| 10.0 | 762.018    | 764.990     | 764.990     | 765.485     | 770.438     |
| 10.5 | 760.284    | 763.256     | 763.504     | 763.504     | 768.704     |
| 11.0 | 758.551    | 761.523     | 761.770     | 761.523     | 766.723     |
| 11.5 | 756.322    | 759.541     | 760.037     | 759.541     | 764.990     |
| 12.0 | 754.341    | 757.312     | 757.808     | 757.808     | 762.761     |
| 12.5 | 752.359    | 755.084     | 755.827     | 755.331     | 760.780     |
| 13.0 | 750.131    | 753.102     | 753.598     | 753.350     | 758.551     |
| 13.5 | 747.902    | 750.626     | 751.121     | 751.121     | 756.570     |
| 14.0 | 745.178    | 748.149     | 748.645     | 748.645     | 753.845     |
| 14.5 | 742.949    | 745.673     | 746.168     | 746.168     | 751.864     |
| 15.0 | 740.720    | 743.196     | 743.444     | 743.444     | 748.892     |
| 15.5 | 737.996    | 740.225     | 740.968     | 740.968     | 745.921     |
| 16.0 | 735.024    | 737.500     | 738.243     | 738.243     | 743.444     |
| 16.5 | 732.548    | 734.529     | 735.272     | 735.519     | 740.720     |
| 17.0 | 729.080    | 731.309     | 732.300     | 732.548     | 737.748     |
| 17.5 | 726.109    | 728.337     | 729.328     | 729.576     | 734.776     |
| 18.0 | 723.384    | 725.366     | 726.109     | 726.852     | 732.052     |
| 18.5 | 720.165    | 722.394     | 723.137     | 723.632     | 728.833     |
| 19.0 | 716.946    | 718.679     | 719.917     | 720.413     | 725.366     |
| 19.5 | 713.231    | 715.707     | 716.698     | 717.689     | 722.146     |
| 20.0 | 709.268    | 711.993     | 713.231     | 713.974     | 718.679     |
| 20.5 | 705.306    | 708.773     | 709.764     | 710.754     | 715.460     |
| 21.0 | 702.087    | 704.811     | 705.554     | 707.535     | 711.993     |
| 21.5 | 698.372    | 701.096     | 702.334     | 703.325     | 708.278     |
| 22.0 | 694.409    | 697.629     | 698.867     | 699.858     | 705.058     |
| 22.5 | 690.942    | 693.171     | 694.905     | 696.391     | 701.344     |
| 23.0 | 686.732    | 689.209     | 690.942     | 692.428     | 697.381     |
| 23.5 | 682.275    | 684.999     | 687.228     | 688.714     | 693.667     |
| 24.0 | 677.817    | 680.789     | 683.018     | 684.751     | 689.704     |
| 24.5 | 674.102    | 676.579     | 679.055     | 680.541     | 685.246     |
| 25.0 | 669.892    | 672.369     | 675.093     | 676.579     | 681.284     |
| 25.5 | 665.187    | 668.159     | 670.387     | 672.616     | 676.579     |
| 26.0 | 660.729    | 663.453     | 666.425     | 668.406     | 672.864     |
| 26.5 | 656.024    | 658.748     | 662.215     | 663.949     | 668.654     |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-935-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|
| 27.0 | 651.318 | 653.795 | 658.005 | 660.234 | 664.444 |
| 27.5 | 645.870 | 649.090 | 653.300 | 655.281 | 660.234 |
| 28.0 | 641.908 | 644.384 | 648.594 | 650.823 | 655.528 |
| 28.5 | 636.707 | 639.679 | 643.889 | 646.118 | 650.823 |
| 29.0 | 631.754 | 634.726 | 638.936 | 641.660 | 646.365 |
| 29.5 | 626.553 | 629.525 | 633.983 | 636.707 | 641.412 |
| 30.0 | 621.353 | 624.572 | 629.030 | 632.497 | 637.202 |
| 30.5 | 615.905 | 619.124 | 624.325 | 627.792 | 632.249 |
| 31.0 | 610.704 | 613.923 | 619.124 | 622.839 | 627.049 |
| 31.5 | 605.256 | 608.970 | 614.171 | 618.133 | 622.591 |
| 32.0 | 600.055 | 603.274 | 609.218 | 612.933 | 617.390 |
| 32.5 | 594.359 | 597.826 | 604.017 | 607.980 | 612.437 |
| 33.0 | 588.911 | 592.625 | 598.321 | 603.027 | 607.484 |
| 33.5 | 583.710 | 587.177 | 593.368 | 597.578 | 602.284 |
| 34.0 | 577.519 | 581.481 | 587.920 | 592.625 | 597.578 |
| 34.5 | 571.823 | 576.033 | 582.719 | 587.177 | 592.130 |
| 35.0 | 566.622 | 570.089 | 577.519 | 582.224 | 586.930 |
| 35.5 | 559.936 | 564.641 | 571.823 | 576.776 | 581.481 |
| 36.0 | 554.735 | 558.697 | 566.375 | 571.328 | 576.281 |
| 36.5 | 548.296 | 552.754 | 560.679 | 566.127 | 571.328 |
| 37.0 | 542.353 | 547.058 | 554.983 | 560.431 | 566.127 |
| 37.5 | 536.161 | 540.867 | 549.534 | 555.478 | 560.431 |
| 38.0 | 529.970 | 534.923 | 543.591 | 549.782 | 554.487 |
| 38.5 | 523.531 | 528.732 | 537.895 | 544.581 | 549.039 |
| 39.0 | 517.835 | 522.541 | 531.951 | 538.886 | 544.581 |
| 39.5 | 511.396 | 516.845 | 526.255 | 533.190 | 538.638 |
| 40.0 | 504.462 | 510.406 | 520.312 | 527.989 | 532.942 |
| 40.5 | 498.023 | 504.215 | 514.616 | 522.541 | 527.494 |
| 41.0 | 492.080 | 498.023 | 508.672 | 516.845 | 521.798 |
| 41.5 | 485.641 | 491.832 | 502.729 | 511.149 | 516.349 |
| 42.0 | 479.202 | 485.641 | 496.785 | 505.700 | 510.901 |
| 42.5 | 473.011 | 479.202 | 490.594 | 500.005 | 505.205 |
| 43.0 | 466.077 | 473.011 | 484.898 | 494.556 | 499.757 |
| 43.5 | 460.133 | 466.572 | 478.707 | 488.860 | 494.309 |
| 44.0 | 453.446 | 460.133 | 472.515 | 483.412 | 488.613 |
| 44.5 | 447.255 | 453.942 | 466.324 | 477.468 | 482.917 |
| 45.0 | 440.816 | 447.503 | 460.381 | 472.268 | 477.716 |
| 45.5 | 434.377 | 441.312 | 454.437 | 466.819 | 472.268 |
| 46.0 | 427.939 | 434.873 | 447.998 | 460.876 | 466.572 |
| 46.5 | 421.500 | 428.434 | 442.550 | 455.923 | 461.124 |
| 47.0 | 414.813 | 422.243 | 436.359 | 449.979 | 455.675 |
| 47.5 | 408.374 | 415.804 | 430.167 | 444.283 | 449.979 |
| 48.0 | 402.183 | 409.365 | 423.976 | 439.083 | 444.283 |
| 48.5 | 395.249 | 403.174 | 418.280 | 433.139 | 438.835 |
| 49.0 | 389.058 | 396.487 | 411.841 | 427.443 | 433.139 |
| 49.5 | 382.619 | 390.296 | 405.898 | 421.995 | 427.691 |
| 50.0 | 375.932 | 383.857 | 399.954 | 416.051 | 421.995 |
| 50.5 | 369.741 | 377.666 | 393.763 | 411.098 | 416.794 |
| 51.0 | 363.302 | 371.227 | 388.315 | 405.402 | 411.346 |
| 51.5 | 357.111 | 364.788 | 382.123 | 399.954 | 405.898 |
| 52.0 | 350.424 | 358.597 | 376.180 | 394.258 | 400.449 |
| 52.5 | 343.985 | 352.158 | 370.484 | 388.562 | 395.249 |
| 53.0 | 337.299 | 345.966 | 364.540 | 383.609 | 389.553 |
| 53.5 | 330.860 | 339.775 | 358.844 | 377.913 | 384.352 |
| 54.0 | 324.669 | 333.584 | 353.148 | 372.465 | 379.152 |
| 54.5 | 318.725 | 327.145 | 347.452 | 367.512 | 373.951 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-935-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|
| 55.0 | 312.534 | 321.202 | 341.756 | 361.816 | 369.246 |
| 55.5 | 307.333 | 315.010 | 336.061 | 356.615 | 363.550 |
| 56.0 | 301.390 | 309.562 | 330.612 | 351.415 | 358.349 |
| 56.5 | 295.198 | 303.866 | 324.916 | 346.214 | 353.396 |
| 57.0 | 289.255 | 298.170 | 319.468 | 341.013 | 348.195 |
| 57.5 | 283.063 | 292.227 | 314.763 | 336.061 | 342.499 |
| 58.0 | 276.872 | 286.283 | 309.314 | 330.612 | 338.289 |
| 58.5 | 270.929 | 280.339 | 303.866 | 325.907 | 333.336 |
| 59.0 | 264.985 | 274.396 | 298.665 | 321.697 | 328.136 |
| 59.5 | 259.041 | 268.700 | 293.960 | 316.496 | 324.173 |
| 60.0 | 253.098 | 262.756 | 288.759 | 311.543 | 319.220 |
| 60.5 | 247.278 | 257.060 | 283.559 | 306.838 | 314.267 |
| 61.0 | 241.434 | 251.364 | 278.358 | 302.133 | 309.562 |
| 61.5 | 235.639 | 245.718 | 273.158 | 297.427 | 305.104 |
| 62.0 | 229.943 | 240.121 | 268.205 | 292.969 | 300.399 |
| 62.5 | 224.321 | 234.574 | 263.004 | 288.512 | 295.941 |
| 63.0 | 218.625 | 229.051 | 258.051 | 283.806 | 291.979 |
| 63.5 | 212.979 | 223.603 | 253.346 | 279.349 | 287.521 |
| 64.0 | 207.481 | 218.229 | 248.393 | 274.643 | 283.063 |
| 64.5 | 202.008 | 212.979 | 243.687 | 270.186 | 278.606 |
| 65.0 | 196.584 | 207.704 | 238.957 | 265.728 | 274.396 |
| 65.5 | 191.235 | 202.553 | 234.277 | 261.270 | 269.938 |
| 66.0 | 185.811 | 197.401 | 229.645 | 256.813 | 265.728 |
| 66.5 | 180.512 | 192.374 | 225.039 | 252.603 | 261.518 |
| 67.0 | 175.336 | 187.396 | 220.458 | 248.145 | 257.308 |
| 67.5 | 170.135 | 182.493 | 215.975 | 243.984 | 253.098 |
| 68.0 | 165.009 | 177.713 | 211.518 | 239.774 | 249.135 |
| 68.5 | 159.957 | 172.958 | 207.159 | 235.688 | 245.000 |
| 69.0 | 154.930 | 168.253 | 202.850 | 231.577 | 241.087 |
| 69.5 | 149.977 | 163.647 | 198.590 | 227.590 | 237.199 |
| 70.0 | 145.048 | 159.115 | 194.405 | 223.677 | 233.335 |
| 70.5 | 140.244 | 154.632 | 190.220 | 219.764 | 229.522 |
| 71.0 | 135.489 | 150.199 | 186.109 | 215.901 | 225.757 |
| 71.5 | 130.784 | 145.866 | 182.097 | 212.137 | 222.043 |
| 72.0 | 126.177 | 141.507 | 178.085 | 208.397 | 218.427 |
| 72.5 | 121.546 | 137.297 | 174.172 | 204.732 | 214.836 |
| 73.0 | 117.039 | 133.112 | 170.284 | 201.116 | 211.220 |
| 73.5 | 112.656 | 128.976 | 166.520 | 197.525 | 207.704 |
| 74.0 | 108.322 | 124.964 | 162.706 | 194.058 | 204.162 |
| 74.5 | 104.062 | 120.927 | 159.065 | 190.616 | 200.819 |
| 75.0 | 99.828  | 116.990 | 155.450 | 187.248 | 197.575 |
| 75.5 | 95.667  | 113.151 | 151.883 | 183.905 | 194.281 |
| 76.0 | 91.630  | 109.387 | 148.416 | 180.586 | 191.062 |
| 76.5 | 87.618  | 105.672 | 144.974 | 177.342 | 187.842 |
| 77.0 | 83.656  | 101.982 | 141.581 | 174.122 | 184.722 |
| 77.5 | 79.768  | 98.391  | 138.238 | 171.002 | 181.626 |
| 78.0 | 75.929  | 94.875  | 134.994 | 167.931 | 178.580 |
| 78.5 | 72.165  | 91.407  | 131.774 | 164.836 | 175.559 |
| 79.0 | 68.475  | 88.039  | 128.654 | 161.839 | 172.587 |
| 79.5 | 64.810  | 84.696  | 125.583 | 158.917 | 169.615 |
| 80.0 | 61.194  | 81.402  | 122.512 | 156.019 | 166.792 |
| 80.5 | 57.678  | 78.208  | 119.540 | 153.097 | 163.919 |
| 81.0 | 54.260  | 75.063  | 116.692 | 150.274 | 161.121 |
| 81.5 | 50.793  | 71.992  | 113.845 | 147.475 | 158.322 |
| 82.0 | 47.450  | 68.995  | 111.071 | 144.776 | 155.623 |
| 82.5 | 44.181  | 66.048  | 108.347 | 142.077 | 152.973 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-935-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|       |        |        |         |         |         |
|-------|--------|--------|---------|---------|---------|
| 83.0  | 40.961 | 63.175 | 105.672 | 139.476 | 150.398 |
| 83.5  | 37.767 | 60.377 | 103.121 | 136.826 | 147.723 |
| 84.0  | 34.646 | 57.653 | 100.645 | 134.325 | 145.172 |
| 84.5  | 31.551 | 55.028 | 98.218  | 131.849 | 142.671 |
| 85.0  | 28.579 | 52.477 | 95.840  | 129.397 | 140.170 |
| 85.5  | 25.607 | 50.050 | 93.512  | 127.019 | 137.743 |
| 86.0  | 22.685 | 47.722 | 91.234  | 124.692 | 135.341 |
| 86.5  | 19.787 | 45.543 | 89.080  | 122.364 | 132.938 |
| 87.0  | 16.939 | 43.438 | 86.900  | 120.160 | 130.586 |
| 87.5  | 14.091 | 41.481 | 84.845  | 117.931 | 128.332 |
| 88.0  | 11.268 | 39.574 | 82.814  | 115.776 | 126.054 |
| 88.5  | 8.420  | 37.791 | 80.858  | 113.646 | 123.850 |
| 89.0  | 5.820  | 36.107 | 79.000  | 111.591 | 121.670 |
| 89.5  | 3.690  | 34.547 | 77.192  | 109.610 | 119.540 |
| 90.0  | 2.204  | 33.160 | 75.533  | 107.728 | 117.584 |
| 90.5  | 1.560  | 31.947 | 73.998  | 105.845 | 115.504 |
| 91.0  | 1.659  | 30.832 | 72.438  | 103.939 | 113.523 |
| 91.5  | 1.981  | 29.767 | 70.877  | 102.131 | 111.541 |
| 92.0  | 2.353  | 28.876 | 69.391  | 100.298 | 109.610 |
| 92.5  | 2.749  | 28.108 | 68.128  | 98.540  | 107.703 |
| 93.0  | 3.145  | 27.440 | 66.816  | 96.881  | 105.870 |
| 93.5  | 3.566  | 26.920 | 65.578  | 95.246  | 104.137 |
| 94.0  | 4.012  | 26.474 | 64.414  | 93.711  | 102.453 |
| 94.5  | 4.433  | 26.152 | 63.324  | 92.150  | 100.719 |
| 95.0  | 4.854  | 25.904 | 62.309  | 90.615  | 99.060  |
| 95.5  | 5.250  | 25.731 | 61.368  | 89.154  | 97.425  |
| 96.0  | 5.572  | 25.656 | 60.550  | 87.742  | 95.816  |
| 96.5  | 5.894  | 25.656 | 59.733  | 86.430  | 94.330  |
| 97.0  | 6.191  | 25.681 | 58.990  | 85.167  | 92.844  |
| 97.5  | 6.513  | 25.780 | 58.297  | 83.953  | 91.482  |
| 98.0  | 6.786  | 25.879 | 57.678  | 82.764  | 90.095  |
| 98.5  | 7.108  | 26.003 | 57.158  | 81.625  | 88.807  |
| 99.0  | 7.429  | 26.152 | 56.613  | 80.560  | 87.544  |
| 99.5  | 7.776  | 26.325 | 56.142  | 79.545  | 86.306  |
| 100.0 | 8.073  | 26.499 | 55.771  | 78.604  | 85.191  |
| 100.5 | 8.420  | 26.697 | 55.399  | 77.688  | 84.052  |
| 101.0 | 8.717  | 26.895 | 55.127  | 76.821  | 83.037  |
| 101.5 | 9.014  | 27.093 | 54.854  | 76.004  | 81.997  |
| 102.0 | 9.287  | 27.291 | 54.656  | 75.236  | 81.080  |
| 102.5 | 9.559  | 27.489 | 54.458  | 74.518  | 80.164  |
| 103.0 | 9.832  | 27.712 | 54.310  | 73.800  | 79.347  |
| 103.5 | 10.129 | 27.935 | 54.186  | 73.180  | 78.505  |
| 104.0 | 10.451 | 28.133 | 54.062  | 72.611  | 77.737  |
| 104.5 | 10.773 | 28.356 | 53.988  | 72.066  | 77.019  |
| 105.0 | 11.070 | 28.579 | 53.913  | 71.571  | 76.326  |
| 105.5 | 11.342 | 28.777 | 53.839  | 71.051  | 75.731  |
| 106.0 | 11.664 | 29.025 | 53.814  | 70.605  | 75.137  |
| 106.5 | 11.961 | 29.247 | 53.814  | 70.184  | 74.543  |
| 107.0 | 12.259 | 29.495 | 53.814  | 69.788  | 74.047  |
| 107.5 | 12.531 | 29.693 | 53.814  | 69.490  | 73.527  |
| 108.0 | 12.878 | 29.941 | 53.814  | 69.144  | 73.007  |
| 108.5 | 13.200 | 30.188 | 53.839  | 68.896  | 72.660  |
| 109.0 | 13.522 | 30.387 | 53.889  | 68.574  | 72.314  |
| 109.5 | 13.868 | 30.609 | 53.913  | 68.351  | 71.942  |
| 110.0 | 14.215 | 30.832 | 53.963  | 68.104  | 71.645  |
| 110.5 | 14.562 | 31.055 | 54.012  | 67.881  | 71.373  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-935-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|
| 111.0 | 14.909 | 31.278 | 54.037 | 67.683 | 71.075 |
| 111.5 | 15.255 | 31.476 | 54.062 | 67.534 | 70.828 |
| 112.0 | 15.627 | 31.699 | 54.111 | 67.385 | 70.531 |
| 112.5 | 15.998 | 31.922 | 54.161 | 67.212 | 70.258 |
| 113.0 | 16.394 | 32.145 | 54.235 | 67.088 | 70.134 |
| 113.5 | 16.766 | 32.343 | 54.235 | 66.964 | 69.961 |
| 114.0 | 17.162 | 32.541 | 54.285 | 66.865 | 69.788 |
| 114.5 | 17.534 | 32.764 | 54.334 | 66.742 | 69.639 |
| 115.0 | 17.930 | 32.937 | 54.384 | 66.667 | 69.515 |
| 115.5 | 18.326 | 33.160 | 54.384 | 66.593 | 69.391 |
| 116.0 | 18.698 | 33.358 | 54.458 | 66.494 | 69.243 |
| 116.5 | 19.044 | 33.557 | 54.508 | 66.395 | 69.193 |
| 117.0 | 19.440 | 33.779 | 54.557 | 66.395 | 69.069 |
| 117.5 | 19.812 | 33.953 | 54.607 | 66.296 | 68.995 |
| 118.0 | 20.134 | 34.126 | 54.656 | 66.246 | 68.896 |
| 118.5 | 20.505 | 34.299 | 54.681 | 66.172 | 68.871 |
| 119.0 | 20.827 | 34.473 | 54.731 | 66.098 | 68.723 |
| 119.5 | 21.174 | 34.597 | 54.780 | 66.023 | 68.698 |
| 120.0 | 21.496 | 34.720 | 54.755 | 65.974 | 68.574 |
| 120.5 | 21.818 | 34.869 | 54.780 | 65.875 | 68.549 |
| 121.0 | 22.140 | 34.968 | 54.830 | 65.800 | 68.450 |
| 121.5 | 22.487 | 35.092 | 54.805 | 65.701 | 68.401 |
| 122.0 | 22.809 | 35.241 | 54.805 | 65.652 | 68.327 |
| 122.5 | 23.130 | 35.389 | 54.830 | 65.553 | 68.153 |
| 123.0 | 23.452 | 35.538 | 54.805 | 65.454 | 68.128 |
| 123.5 | 23.750 | 35.662 | 54.755 | 65.379 | 67.980 |
| 124.0 | 23.997 | 35.761 | 54.755 | 65.305 | 67.955 |
| 124.5 | 24.245 | 35.860 | 54.755 | 65.181 | 67.856 |
| 125.0 | 24.493 | 35.983 | 54.706 | 65.058 | 67.757 |
| 125.5 | 24.740 | 36.058 | 54.656 | 64.983 | 67.633 |
| 126.0 | 24.963 | 36.157 | 54.632 | 64.835 | 67.534 |
| 126.5 | 25.161 | 36.281 | 54.582 | 64.736 | 67.460 |
| 127.0 | 25.384 | 36.330 | 54.532 | 64.612 | 67.361 |
| 127.5 | 25.557 | 36.404 | 54.458 | 64.488 | 67.187 |
| 128.0 | 25.780 | 36.404 | 54.433 | 64.339 | 67.088 |
| 128.5 | 25.954 | 36.454 | 54.334 | 64.216 | 66.989 |
| 129.0 | 26.127 | 36.504 | 54.235 | 64.092 | 66.865 |
| 129.5 | 26.276 | 36.578 | 54.062 | 63.894 | 66.717 |
| 130.0 | 26.399 | 36.627 | 53.889 | 63.770 | 66.568 |
| 130.5 | 26.523 | 36.677 | 53.690 | 63.621 | 66.395 |
| 131.0 | 26.598 | 36.751 | 53.492 | 63.398 | 66.222 |
| 131.5 | 26.697 | 36.825 | 53.294 | 63.200 | 66.048 |
| 132.0 | 26.796 | 36.900 | 53.071 | 63.076 | 65.900 |
| 132.5 | 26.845 | 36.925 | 52.824 | 62.829 | 65.677 |
| 133.0 | 26.920 | 36.949 | 52.725 | 62.606 | 65.404 |
| 133.5 | 26.944 | 36.925 | 52.576 | 62.432 | 65.280 |
| 134.0 | 26.969 | 36.875 | 52.477 | 62.234 | 65.107 |
| 134.5 | 27.043 | 36.776 | 52.353 | 62.011 | 64.785 |
| 135.0 | 27.118 | 36.702 | 52.205 | 61.714 | 64.537 |
| 135.5 | 27.093 | 36.504 | 52.081 | 61.516 | 64.339 |
| 136.0 | 27.142 | 36.479 | 51.907 | 61.269 | 64.092 |
| 136.5 | 27.192 | 36.404 | 51.784 | 60.996 | 63.844 |
| 137.0 | 27.217 | 36.281 | 51.585 | 60.773 | 63.572 |
| 137.5 | 27.241 | 36.157 | 51.412 | 60.476 | 63.324 |
| 138.0 | 27.291 | 36.083 | 51.164 | 60.228 | 63.027 |
| 138.5 | 27.291 | 35.983 | 50.842 | 59.956 | 62.804 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-935-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|
| 139.0 | 27.266 | 35.909 | 50.471 | 59.634 | 62.457 |
| 139.5 | 27.266 | 35.810 | 50.025 | 59.287 | 62.210 |
| 140.0 | 27.266 | 35.686 | 49.530 | 58.965 | 61.863 |
| 140.5 | 27.266 | 35.612 | 49.084 | 58.569 | 61.491 |
| 141.0 | 27.266 | 35.562 | 48.589 | 58.148 | 61.194 |
| 141.5 | 27.266 | 35.463 | 48.094 | 57.777 | 60.897 |
| 142.0 | 27.241 | 35.414 | 47.623 | 57.306 | 60.575 |
| 142.5 | 27.217 | 35.340 | 47.128 | 56.885 | 60.204 |
| 143.0 | 27.192 | 35.265 | 46.657 | 56.489 | 59.832 |
| 143.5 | 27.192 | 35.166 | 46.112 | 56.068 | 59.485 |
| 144.0 | 27.192 | 35.042 | 45.642 | 55.746 | 59.089 |
| 144.5 | 27.266 | 34.943 | 45.171 | 55.374 | 58.742 |
| 145.0 | 27.365 | 34.844 | 44.651 | 55.053 | 58.346 |
| 145.5 | 27.539 | 34.720 | 44.181 | 54.731 | 57.950 |
| 146.0 | 27.762 | 34.621 | 43.735 | 54.384 | 57.579 |
| 146.5 | 27.984 | 34.522 | 43.363 | 54.012 | 57.158 |
| 147.0 | 28.207 | 34.399 | 42.942 | 53.641 | 56.737 |
| 147.5 | 28.405 | 34.349 | 42.620 | 53.269 | 56.316 |
| 148.0 | 28.628 | 34.250 | 42.274 | 52.848 | 55.870 |
| 148.5 | 28.826 | 34.225 | 42.001 | 52.452 | 55.424 |
| 149.0 | 29.074 | 34.225 | 41.704 | 52.056 | 55.028 |
| 149.5 | 29.247 | 34.299 | 41.432 | 51.635 | 54.532 |
| 150.0 | 29.446 | 34.349 | 41.159 | 51.239 | 54.012 |
| 150.5 | 29.619 | 34.374 | 40.862 | 50.793 | 53.468 |
| 151.0 | 29.743 | 34.448 | 40.466 | 50.347 | 52.824 |
| 151.5 | 29.867 | 34.473 | 40.045 | 49.877 | 52.229 |
| 152.0 | 30.015 | 34.522 | 39.649 | 49.381 | 51.635 |
| 152.5 | 30.164 | 34.572 | 39.277 | 48.861 | 50.991 |
| 153.0 | 30.263 | 34.597 | 38.881 | 48.267 | 50.471 |
| 153.5 | 30.387 | 34.671 | 38.460 | 47.648 | 49.877 |
| 154.0 | 30.486 | 34.646 | 38.089 | 46.954 | 49.381 |
| 154.5 | 30.609 | 34.671 | 37.767 | 46.286 | 48.886 |
| 155.0 | 30.659 | 34.720 | 37.445 | 45.518 | 48.515 |
| 155.5 | 30.758 | 34.745 | 37.123 | 44.800 | 48.118 |
| 156.0 | 30.832 | 34.745 | 36.900 | 44.032 | 47.772 |
| 156.5 | 30.956 | 34.745 | 36.677 | 43.264 | 47.326 |
| 157.0 | 31.006 | 34.795 | 36.454 | 42.571 | 46.905 |
| 157.5 | 31.080 | 34.795 | 36.305 | 41.902 | 46.434 |
| 158.0 | 31.179 | 34.770 | 36.231 | 41.209 | 45.989 |
| 158.5 | 31.204 | 34.770 | 36.132 | 40.639 | 45.468 |
| 159.0 | 31.328 | 34.696 | 36.058 | 40.094 | 45.023 |
| 159.5 | 31.427 | 34.646 | 35.934 | 39.574 | 44.527 |
| 160.0 | 31.551 | 34.597 | 35.810 | 39.153 | 44.032 |
| 160.5 | 31.699 | 34.572 | 35.711 | 38.757 | 43.562 |
| 161.0 | 31.798 | 34.498 | 35.686 | 38.336 | 43.091 |
| 161.5 | 31.947 | 34.473 | 35.637 | 37.915 | 42.744 |
| 162.0 | 32.071 | 34.423 | 35.711 | 37.568 | 42.447 |
| 162.5 | 32.194 | 34.423 | 35.761 | 37.197 | 42.100 |
| 163.0 | 32.343 | 34.399 | 35.785 | 36.801 | 41.803 |
| 163.5 | 32.467 | 34.399 | 35.835 | 36.380 | 41.432 |
| 164.0 | 32.516 | 34.399 | 35.884 | 35.860 | 41.085 |
| 164.5 | 32.591 | 34.349 | 35.835 | 35.463 | 40.639 |
| 165.0 | 32.665 | 34.349 | 35.761 | 35.067 | 40.194 |
| 165.5 | 32.739 | 34.324 | 35.686 | 34.795 | 39.723 |
| 166.0 | 32.814 | 34.299 | 35.637 | 34.498 | 39.005 |
| 166.5 | 32.888 | 34.299 | 35.562 | 34.250 | 38.658 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-935-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|
| 167.0 | 32.987 | 34.299 | 35.488 | 34.027 | 38.386 |
| 167.5 | 33.036 | 34.299 | 35.340 | 33.829 | 38.113 |
| 168.0 | 33.111 | 34.299 | 35.216 | 33.631 | 37.890 |
| 168.5 | 33.259 | 34.200 | 35.042 | 33.457 | 37.618 |
| 169.0 | 33.334 | 34.225 | 34.919 | 33.284 | 37.346 |
| 169.5 | 33.457 | 34.151 | 34.720 | 33.086 | 37.048 |
| 170.0 | 33.507 | 34.126 | 34.547 | 32.838 | 36.776 |
| 170.5 | 33.581 | 34.077 | 34.324 | 32.566 | 36.479 |
| 171.0 | 33.631 | 34.027 | 34.077 | 32.269 | 36.107 |
| 171.5 | 33.705 | 34.027 | 33.854 | 31.996 | 35.810 |
| 172.0 | 33.829 | 33.978 | 33.730 | 31.724 | 35.364 |
| 172.5 | 33.903 | 33.978 | 33.581 | 31.427 | 34.869 |
| 173.0 | 34.002 | 33.928 | 33.457 | 31.154 | 34.027 |
| 173.5 | 34.126 | 33.953 | 33.408 | 30.882 | 32.764 |
| 174.0 | 34.225 | 33.953 | 33.383 | 30.659 | 31.204 |
| 174.5 | 34.299 | 33.953 | 33.334 | 30.436 | 29.346 |
| 175.0 | 34.448 | 34.027 | 33.309 | 30.263 | 27.241 |
| 175.5 | 34.498 | 34.052 | 33.284 | 30.188 | 25.037 |
| 176.0 | 34.597 | 34.101 | 33.284 | 30.114 | 23.601 |
| 176.5 | 34.621 | 34.126 | 33.259 | 30.114 | 22.586 |
| 177.0 | 34.720 | 34.176 | 33.210 | 30.040 | 21.546 |
| 177.5 | 34.745 | 34.176 | 33.136 | 30.015 | 21.323 |
| 178.0 | 34.844 | 34.225 | 33.111 | 29.990 | 21.372 |
| 178.5 | 34.894 | 34.250 | 33.136 | 29.941 | 21.422 |
| 179.0 | 34.943 | 34.250 | 33.111 | 29.867 | 21.446 |
| 179.5 | 34.993 | 34.250 | 33.086 | 29.842 | 21.471 |
| 180.0 | 31.377 | 31.377 | 31.377 | 31.377 | 31.377 |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-935-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 283.53  | N.A.  | 11.70  |
| 0-30    | 594.09  | N.A.  | 24.50  |
| 0-40    | 954.32  | N.A.  | 39.40  |
| 0-60    | 1615.06 | N.A.  | 66.70  |
| 0-80    | 2012.07 | N.A.  | 83.10  |
| 0-90    | 2111.92 | N.A.  | 87.30  |
| 10-90   | 2038.01 | N.A.  | 84.20  |
| 20-40   | 670.79  | N.A.  | 27.70  |
| 20-50   | 1025.53 | N.A.  | 42.40  |
| 40-70   | 896.11  | N.A.  | 37.00  |
| 60-80   | 397.02  | N.A.  | 16.40  |
| 70-80   | 161.65  | N.A.  | 6.70   |
| 80-90   | 99.85   | N.A.  | 4.10   |
| 90-110  | 116.62  | N.A.  | 4.80   |
| 90-120  | 165.72  | N.A.  | 6.80   |
| 90-130  | 210.91  | N.A.  | 8.70   |
| 90-150  | 276.88  | N.A.  | 11.40  |
| 90-180  | 308.42  | N.A.  | 12.70  |
| 110-180 | 191.80  | N.A.  | 7.90   |
| 0-180   | 2420.35 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 73.92  |
| 10-20   | 209.61 |
| 20-30   | 310.56 |
| 30-40   | 360.23 |
| 40-50   | 354.74 |
| 50-60   | 306.00 |
| 60-70   | 235.37 |
| 70-80   | 161.65 |
| 80-90   | 99.85  |
| 90-100  | 63.97  |
| 100-110 | 52.65  |
| 110-120 | 49.10  |
| 120-130 | 45.19  |
| 130-140 | 37.97  |
| 140-150 | 28.00  |
| 150-160 | 18.31  |
| 160-170 | 10.09  |
| 170-180 | 3.14   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L30-935-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  | 87  | 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-4-L30-935-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

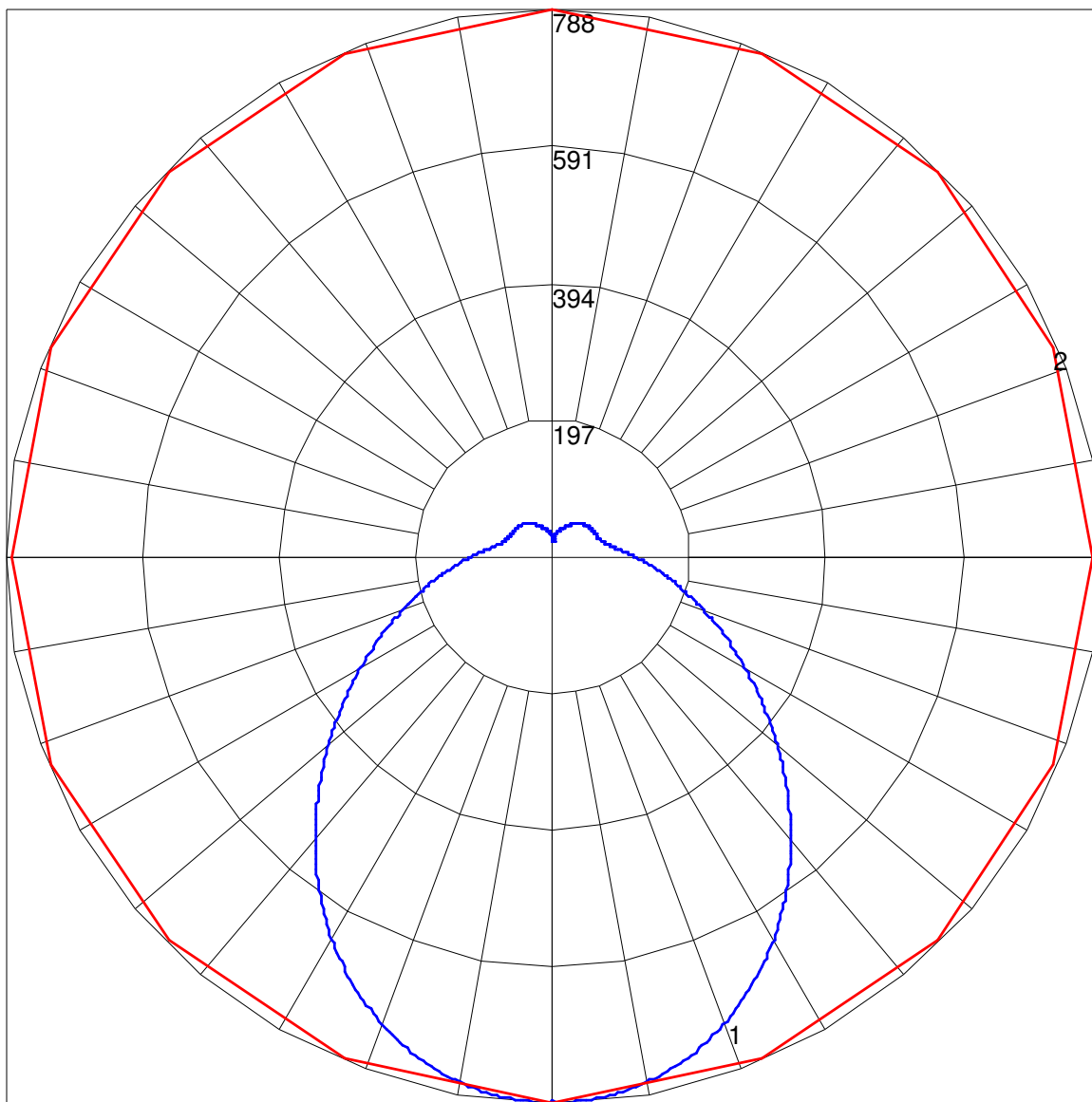
Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 14.9                 | 16.3 | 15.5 | 16.8 | 17.4 | 16.6               | 17.9 | 17.1 | 18.5 | 19.1 |
|           | 3H   | 16.3                 | 17.5 | 16.8 | 18.1 | 18.7 | 18.8               | 20.0 | 19.3 | 20.6 | 21.2 |
|           | 4H   | 16.7                 | 17.9 | 17.3 | 18.5 | 19.1 | 19.8               | 21.0 | 20.4 | 21.6 | 22.3 |
|           | 6H   | 17.0                 | 18.1 | 17.6 | 18.7 | 19.4 | 21.0               | 22.0 | 21.6 | 22.6 | 23.3 |
|           | 8H   | 17.1                 | 18.1 | 17.7 | 18.7 | 19.4 | 21.5               | 22.6 | 22.2 | 23.2 | 23.9 |
|           | 12H  | 17.1                 | 18.1 | 17.7 | 18.7 | 19.4 | 22.2               | 23.2 | 22.8 | 23.8 | 24.5 |
| 4H        | 2H   | 15.6                 | 16.8 | 16.2 | 17.4 | 18.1 | 17.0               | 18.1 | 17.6 | 18.7 | 19.4 |
|           | 3H   | 17.2                 | 18.2 | 17.8 | 18.8 | 19.5 | 19.4               | 20.4 | 20.0 | 21.0 | 21.7 |
|           | 4H   | 17.8                 | 18.7 | 18.4 | 19.3 | 20.1 | 20.7               | 21.6 | 21.3 | 22.2 | 22.9 |
|           | 6H   | 18.2                 | 19.0 | 18.9 | 19.7 | 20.4 | 22.0               | 22.8 | 22.6 | 23.4 | 24.2 |
|           | 8H   | 18.3                 | 19.1 | 19.0 | 19.7 | 20.5 | 22.7               | 23.4 | 23.3 | 24.1 | 24.8 |
|           | 12H  | 18.4                 | 19.1 | 19.1 | 19.8 | 20.5 | 23.5               | 24.1 | 24.1 | 24.8 | 25.6 |
| 8H        | 4H   | 18.4                 | 19.1 | 19.0 | 19.8 | 20.5 | 20.8               | 21.6 | 21.5 | 22.2 | 23.0 |
|           | 6H   | 19.0                 | 19.6 | 19.6 | 20.3 | 21.0 | 22.4               | 23.0 | 23.0 | 23.7 | 24.4 |
|           | 8H   | 19.2                 | 19.7 | 19.8 | 20.4 | 21.2 | 23.2               | 23.8 | 23.9 | 24.5 | 25.2 |
|           | 12H  | 19.3                 | 19.8 | 20.0 | 20.5 | 21.3 | 24.2               | 24.7 | 24.9 | 25.4 | 26.2 |
| 12H       | 4H   | 18.5                 | 19.2 | 19.2 | 19.9 | 20.6 | 20.9               | 21.5 | 21.5 | 22.2 | 23.0 |
|           | 6H   | 19.2                 | 19.8 | 19.9 | 20.5 | 21.3 | 22.4               | 23.0 | 23.1 | 23.6 | 24.4 |
|           | 8H   | 19.5                 | 20.0 | 20.2 | 20.7 | 21.5 | 23.3               | 23.8 | 24.0 | 24.5 | 25.3 |

Maximum UGR = 26.2

POLAR GRAPH



Maximum Candela = 788.021 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.)