

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L100-850-HE-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-L100-850-HE-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                | 10193               |
| Total Luminaire Efficiency      | N.A.                |
| Luminaire Efficacy Rating (LER) | 179                 |
| Total Luminaire Watts           | 56.9                |
| 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                  | 22365            | 20033             | 19836             |
| 55                  | 19367            | 17150             | 17414             |
| 65                  | 16280            | 14689             | 15519             |
| 75                  | 13056            | 12832             | 14506             |
| 85                  | 9577             | 12622             | 15326             |

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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  | 3298.917   | 3298.917    | 3298.917    | 3298.917    | 3298.917    |
| 0.5  | 3283.273   | 3295.788    | 3297.874    | 3296.831    | 3318.734    |
| 1.0  | 3283.273   | 3296.831    | 3296.831    | 3295.788    | 3317.691    |
| 1.5  | 3280.144   | 3296.831    | 3295.788    | 3294.745    | 3318.734    |
| 2.0  | 3279.101   | 3293.702    | 3295.788    | 3293.702    | 3315.605    |
| 2.5  | 3279.101   | 3293.702    | 3292.659    | 3292.659    | 3313.519    |
| 3.0  | 3275.972   | 3290.574    | 3290.574    | 3290.574    | 3311.433    |
| 3.5  | 3273.886   | 3287.445    | 3287.445    | 3288.488    | 3309.347    |
| 4.0  | 3271.800   | 3285.359    | 3285.359    | 3284.316    | 3307.261    |
| 4.5  | 3266.585   | 3282.230    | 3283.273    | 3282.230    | 3304.132    |
| 5.0  | 3263.456   | 3279.101    | 3279.101    | 3279.101    | 3301.003    |
| 5.5  | 3259.284   | 3274.929    | 3274.929    | 3275.972    | 3296.831    |
| 6.0  | 3257.198   | 3269.714    | 3270.757    | 3270.757    | 3292.659    |
| 6.5  | 3249.898   | 3265.542    | 3266.585    | 3266.585    | 3287.445    |
| 7.0  | 3245.726   | 3260.327    | 3261.370    | 3260.327    | 3283.273    |
| 7.5  | 3241.554   | 3254.070    | 3256.156    | 3256.156    | 3278.058    |
| 8.0  | 3236.339   | 3249.898    | 3249.898    | 3249.898    | 3270.757    |
| 8.5  | 3231.124   | 3242.597    | 3244.683    | 3244.683    | 3264.499    |
| 9.0  | 3222.780   | 3237.382    | 3238.425    | 3237.382    | 3257.198    |
| 9.5  | 3217.566   | 3230.081    | 3230.081    | 3230.081    | 3253.027    |
| 10.0 | 3209.222   | 3221.737    | 3221.737    | 3223.823    | 3244.683    |
| 10.5 | 3201.921   | 3214.437    | 3215.480    | 3215.480    | 3237.382    |
| 11.0 | 3194.620   | 3207.136    | 3208.179    | 3207.136    | 3229.038    |
| 11.5 | 3185.233   | 3198.792    | 3200.878    | 3198.792    | 3221.737    |
| 12.0 | 3176.890   | 3189.405    | 3191.491    | 3191.491    | 3212.351    |
| 12.5 | 3168.546   | 3180.019    | 3183.148    | 3181.062    | 3204.007    |
| 13.0 | 3159.159   | 3171.675    | 3173.761    | 3172.718    | 3194.620    |
| 13.5 | 3149.772   | 3161.245    | 3163.331    | 3163.331    | 3186.276    |
| 14.0 | 3138.300   | 3150.815    | 3152.901    | 3152.901    | 3174.804    |
| 14.5 | 3128.913   | 3140.386    | 3142.472    | 3142.472    | 3166.460    |
| 15.0 | 3119.526   | 3129.956    | 3130.999    | 3130.999    | 3153.944    |
| 15.5 | 3108.054   | 3117.440    | 3120.569    | 3120.569    | 3141.429    |
| 16.0 | 3095.538   | 3105.968    | 3109.097    | 3109.097    | 3130.999    |
| 16.5 | 3085.108   | 3093.452    | 3096.581    | 3097.624    | 3119.526    |
| 17.0 | 3070.507   | 3079.893    | 3084.065    | 3085.108    | 3107.011    |
| 17.5 | 3057.991   | 3067.378    | 3071.550    | 3072.593    | 3094.495    |
| 18.0 | 3046.518   | 3054.862    | 3057.991    | 3061.120    | 3083.022    |
| 18.5 | 3032.960   | 3042.346    | 3045.475    | 3047.561    | 3069.464    |
| 19.0 | 3019.401   | 3026.702    | 3031.917    | 3034.003    | 3054.862    |
| 19.5 | 3003.757   | 3014.186    | 3018.358    | 3022.530    | 3041.303    |
| 20.0 | 2987.069   | 2998.542    | 3003.757    | 3006.885    | 3026.702    |
| 20.5 | 2970.381   | 2984.983    | 2989.155    | 2993.327    | 3013.143    |
| 21.0 | 2956.823   | 2968.296    | 2971.424    | 2979.768    | 2998.542    |
| 21.5 | 2941.178   | 2952.651    | 2957.866    | 2962.038    | 2982.897    |
| 22.0 | 2924.491   | 2938.049    | 2943.264    | 2947.436    | 2969.338    |
| 22.5 | 2909.889   | 2919.276    | 2926.577    | 2932.834    | 2953.694    |
| 23.0 | 2892.159   | 2902.588    | 2909.889    | 2916.147    | 2937.006    |
| 23.5 | 2873.385   | 2884.858    | 2894.245    | 2900.502    | 2921.362    |
| 24.0 | 2854.612   | 2867.127    | 2876.514    | 2883.815    | 2904.674    |
| 24.5 | 2838.967   | 2849.397    | 2859.827    | 2866.084    | 2885.901    |
| 25.0 | 2821.237   | 2831.666    | 2843.139    | 2849.397    | 2869.213    |
| 25.5 | 2801.420   | 2813.936    | 2823.323    | 2832.709    | 2849.397    |
| 26.0 | 2782.647   | 2794.119    | 2806.635    | 2814.979    | 2833.752    |
| 26.5 | 2762.830   | 2774.303    | 2788.904    | 2796.205    | 2816.022    |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 27.0 | 2743.014 | 2753.443 | 2771.174 | 2780.561 | 2798.291 |
| 27.5 | 2720.068 | 2733.627 | 2751.358 | 2759.701 | 2780.561 |
| 28.0 | 2703.381 | 2713.811 | 2731.541 | 2740.928 | 2760.744 |
| 28.5 | 2681.478 | 2693.994 | 2711.725 | 2721.111 | 2740.928 |
| 29.0 | 2660.619 | 2673.135 | 2690.865 | 2702.338 | 2722.154 |
| 29.5 | 2638.717 | 2651.232 | 2670.006 | 2681.478 | 2701.295 |
| 30.0 | 2616.814 | 2630.373 | 2649.146 | 2663.748 | 2683.564 |
| 30.5 | 2593.869 | 2607.428 | 2629.330 | 2643.932 | 2662.705 |
| 31.0 | 2571.967 | 2585.525 | 2607.428 | 2623.072 | 2640.803 |
| 31.5 | 2549.021 | 2564.666 | 2586.568 | 2603.256 | 2622.029 |
| 32.0 | 2527.119 | 2540.677 | 2565.709 | 2581.353 | 2600.127 |
| 32.5 | 2503.130 | 2517.732 | 2543.806 | 2560.494 | 2579.267 |
| 33.0 | 2480.185 | 2495.830 | 2519.818 | 2539.634 | 2558.408 |
| 33.5 | 2458.283 | 2472.884 | 2498.959 | 2516.689 | 2536.506 |
| 34.0 | 2432.208 | 2448.896 | 2476.013 | 2495.830 | 2516.689 |
| 34.5 | 2408.220 | 2425.951 | 2454.111 | 2472.884 | 2493.744 |
| 35.0 | 2386.318 | 2400.919 | 2432.208 | 2452.025 | 2471.841 |
| 35.5 | 2358.157 | 2377.974 | 2408.220 | 2429.079 | 2448.896 |
| 36.0 | 2336.255 | 2352.943 | 2385.275 | 2406.134 | 2426.994 |
| 36.5 | 2309.138 | 2327.911 | 2361.286 | 2384.232 | 2406.134 |
| 37.0 | 2284.107 | 2303.923 | 2337.298 | 2360.243 | 2384.232 |
| 37.5 | 2258.032 | 2277.849 | 2314.353 | 2339.384 | 2360.243 |
| 38.0 | 2231.958 | 2252.817 | 2289.321 | 2315.396 | 2335.212 |
| 38.5 | 2204.841 | 2226.743 | 2265.333 | 2293.493 | 2312.267 |
| 39.0 | 2180.852 | 2200.669 | 2240.302 | 2269.505 | 2293.493 |
| 39.5 | 2153.735 | 2176.681 | 2216.313 | 2245.517 | 2268.462 |
| 40.0 | 2124.532 | 2149.563 | 2191.282 | 2223.614 | 2244.474 |
| 40.5 | 2097.415 | 2123.489 | 2167.294 | 2200.669 | 2221.528 |
| 41.0 | 2072.383 | 2097.415 | 2142.262 | 2176.681 | 2197.540 |
| 41.5 | 2045.266 | 2071.340 | 2117.231 | 2152.692 | 2174.595 |
| 42.0 | 2018.149 | 2045.266 | 2092.200 | 2129.747 | 2151.649 |
| 42.5 | 1992.075 | 2018.149 | 2066.126 | 2105.758 | 2127.661 |
| 43.0 | 1962.871 | 1992.075 | 2042.137 | 2082.813 | 2104.716 |
| 43.5 | 1937.840 | 1964.957 | 2016.063 | 2058.825 | 2081.770 |
| 44.0 | 1909.680 | 1937.840 | 1989.989 | 2035.879 | 2057.782 |
| 44.5 | 1883.606 | 1911.766 | 1963.914 | 2010.848 | 2033.793 |
| 45.0 | 1856.488 | 1884.649 | 1938.883 | 1988.946 | 2011.891 |
| 45.5 | 1829.371 | 1858.574 | 1913.852 | 1966.000 | 1988.946 |
| 46.0 | 1802.254 | 1831.457 | 1886.735 | 1940.969 | 1964.957 |
| 46.5 | 1775.137 | 1804.340 | 1863.789 | 1920.110 | 1942.012 |
| 47.0 | 1746.976 | 1778.266 | 1837.715 | 1895.078 | 1919.067 |
| 47.5 | 1719.859 | 1751.148 | 1811.641 | 1871.090 | 1895.078 |
| 48.0 | 1693.785 | 1724.031 | 1785.566 | 1849.188 | 1871.090 |
| 48.5 | 1664.582 | 1697.957 | 1761.578 | 1824.156 | 1848.145 |
| 49.0 | 1638.507 | 1669.797 | 1734.461 | 1800.168 | 1824.156 |
| 49.5 | 1611.390 | 1643.722 | 1709.429 | 1777.223 | 1801.211 |
| 50.0 | 1583.230 | 1616.605 | 1684.398 | 1752.191 | 1777.223 |
| 50.5 | 1557.156 | 1590.531 | 1658.324 | 1731.332 | 1755.320 |
| 51.0 | 1530.038 | 1563.414 | 1635.379 | 1707.344 | 1732.375 |
| 51.5 | 1503.964 | 1536.296 | 1609.304 | 1684.398 | 1709.429 |
| 52.0 | 1475.804 | 1510.222 | 1584.273 | 1660.410 | 1686.484 |
| 52.5 | 1448.687 | 1483.105 | 1560.285 | 1636.422 | 1664.582 |
| 53.0 | 1420.527 | 1457.031 | 1535.253 | 1615.562 | 1640.593 |
| 53.5 | 1393.409 | 1430.956 | 1511.265 | 1591.574 | 1618.691 |
| 54.0 | 1367.335 | 1404.882 | 1487.277 | 1568.628 | 1596.789 |
| 54.5 | 1342.304 | 1377.765 | 1463.288 | 1547.769 | 1574.886 |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 55.0 | 1316.229 | 1352.733 | 1439.300 | 1523.781 | 1555.070 |
| 55.5 | 1294.327 | 1326.659 | 1415.312 | 1501.878 | 1531.081 |
| 56.0 | 1269.296 | 1303.714 | 1392.366 | 1479.976 | 1509.179 |
| 56.5 | 1243.221 | 1279.725 | 1368.378 | 1458.073 | 1488.320 |
| 57.0 | 1218.190 | 1255.737 | 1345.433 | 1436.171 | 1466.417 |
| 57.5 | 1192.116 | 1230.706 | 1325.616 | 1415.312 | 1442.429 |
| 58.0 | 1166.042 | 1205.674 | 1302.671 | 1392.366 | 1424.698 |
| 58.5 | 1141.010 | 1180.643 | 1279.725 | 1372.550 | 1403.839 |
| 59.0 | 1115.979 | 1155.612 | 1257.823 | 1354.819 | 1381.937 |
| 59.5 | 1090.948 | 1131.624 | 1238.007 | 1332.917 | 1365.249 |
| 60.0 | 1065.916 | 1106.592 | 1216.104 | 1312.058 | 1344.390 |
| 60.5 | 1041.407 | 1082.604 | 1194.202 | 1292.241 | 1323.530 |
| 61.0 | 1016.792 | 1058.616 | 1172.299 | 1272.425 | 1303.714 |
| 61.5 | 992.387  | 1034.836 | 1150.397 | 1252.608 | 1284.940 |
| 62.0 | 968.399  | 1011.265 | 1129.538 | 1233.835 | 1265.124 |
| 62.5 | 944.723  | 987.902  | 1107.635 | 1215.061 | 1246.350 |
| 63.0 | 920.735  | 964.644  | 1086.776 | 1195.245 | 1229.663 |
| 63.5 | 896.955  | 941.699  | 1066.959 | 1176.471 | 1210.889 |
| 64.0 | 873.801  | 919.066  | 1046.100 | 1156.655 | 1192.116 |
| 64.5 | 850.751  | 896.955  | 1026.283 | 1137.881 | 1173.342 |
| 65.0 | 827.910  | 874.740  | 1006.363 | 1119.108 | 1155.612 |
| 65.5 | 805.382  | 853.046  | 986.651  | 1100.334 | 1136.838 |
| 66.0 | 782.541  | 831.352  | 967.147  | 1081.561 | 1119.108 |
| 66.5 | 760.222  | 810.180  | 947.748  | 1063.830 | 1101.377 |
| 67.0 | 738.423  | 789.216  | 928.453  | 1045.057 | 1083.647 |
| 67.5 | 716.521  | 768.565  | 909.575  | 1027.535 | 1065.916 |
| 68.0 | 694.932  | 748.436  | 890.802  | 1009.805 | 1049.229 |
| 68.5 | 673.655  | 728.411  | 872.445  | 992.596  | 1031.811 |
| 69.0 | 652.483  | 708.595  | 854.298  | 975.282  | 1015.332 |
| 69.5 | 631.623  | 689.195  | 836.358  | 958.490  | 998.958  |
| 70.0 | 610.868  | 670.109  | 818.732  | 942.011  | 982.687  |
| 70.5 | 590.634  | 651.231  | 801.106  | 925.532  | 966.626  |
| 71.0 | 570.609  | 632.562  | 783.793  | 909.262  | 950.772  |
| 71.5 | 550.793  | 614.310  | 766.897  | 893.409  | 935.128  |
| 72.0 | 531.394  | 595.954  | 750.000  | 877.660  | 919.900  |
| 72.5 | 511.890  | 578.223  | 733.522  | 862.224  | 904.777  |
| 73.0 | 492.908  | 560.597  | 717.147  | 846.997  | 889.550  |
| 73.5 | 474.448  | 543.179  | 701.294  | 831.874  | 874.740  |
| 74.0 | 456.196  | 526.283  | 685.232  | 817.272  | 859.825  |
| 74.5 | 438.256  | 509.283  | 669.900  | 802.775  | 845.745  |
| 75.0 | 420.422  | 492.700  | 654.673  | 788.590  | 832.082  |
| 75.5 | 402.900  | 476.533  | 639.654  | 774.510  | 818.211  |
| 76.0 | 385.899  | 460.680  | 625.053  | 760.534  | 804.652  |
| 76.5 | 369.003  | 445.036  | 610.555  | 746.872  | 791.094  |
| 77.0 | 352.316  | 429.495  | 596.267  | 733.313  | 777.952  |
| 77.5 | 335.941  | 414.372  | 582.186  | 720.171  | 764.915  |
| 78.0 | 319.775  | 399.562  | 568.524  | 707.239  | 752.086  |
| 78.5 | 303.922  | 384.961  | 554.965  | 694.202  | 739.362  |
| 79.0 | 288.381  | 370.776  | 541.823  | 681.582  | 726.847  |
| 79.5 | 272.946  | 356.696  | 528.891  | 669.275  | 714.331  |
| 80.0 | 257.718  | 342.825  | 515.958  | 657.072  | 702.441  |
| 80.5 | 242.908  | 329.370  | 503.442  | 644.765  | 690.343  |
| 81.0 | 228.515  | 316.125  | 491.448  | 632.875  | 678.557  |
| 81.5 | 213.913  | 303.192  | 479.454  | 621.089  | 666.771  |
| 82.0 | 199.833  | 290.572  | 467.773  | 609.721  | 655.403  |
| 82.5 | 186.066  | 278.160  | 456.300  | 598.352  | 644.243  |

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**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 83.0  | 172.507 | 266.062 | 445.036 | 587.401 | 633.396 |
| 83.5  | 159.053 | 254.276 | 434.293 | 576.241 | 622.132 |
| 84.0  | 145.912 | 242.804 | 423.863 | 565.707 | 611.390 |
| 84.5  | 132.875 | 231.748 | 413.642 | 555.278 | 600.856 |
| 85.0  | 120.359 | 221.006 | 403.630 | 544.952 | 590.322 |
| 85.5  | 107.843 | 210.784 | 393.826 | 534.940 | 580.100 |
| 86.0  | 95.536  | 200.981 | 384.231 | 525.136 | 569.984 |
| 86.5  | 83.333  | 191.802 | 375.157 | 515.332 | 559.867 |
| 87.0  | 71.339  | 182.937 | 365.979 | 506.050 | 549.959 |
| 87.5  | 59.345  | 174.698 | 357.322 | 496.663 | 540.468 |
| 88.0  | 47.455  | 166.667 | 348.770 | 487.589 | 530.872 |
| 88.5  | 35.461  | 159.157 | 340.530 | 478.619 | 521.590 |
| 89.0  | 24.510  | 152.065 | 332.708 | 469.963 | 512.412 |
| 89.5  | 15.540  | 145.494 | 325.094 | 461.619 | 503.442 |
| 90.0  | 9.282   | 139.654 | 318.106 | 453.692 | 495.203 |
| 90.5  | 6.571   | 134.543 | 311.640 | 445.766 | 486.442 |
| 91.0  | 6.988   | 129.850 | 305.069 | 437.735 | 478.098 |
| 91.5  | 8.344   | 125.365 | 298.498 | 430.121 | 469.754 |
| 92.0  | 9.908   | 121.610 | 292.240 | 422.403 | 461.619 |
| 92.5  | 11.577  | 118.377 | 286.921 | 414.998 | 453.588 |
| 93.0  | 13.246  | 115.561 | 281.394 | 408.010 | 445.870 |
| 93.5  | 15.019  | 113.371 | 276.179 | 401.127 | 438.569 |
| 94.0  | 16.896  | 111.494 | 271.277 | 394.660 | 431.477 |
| 94.5  | 18.669  | 110.138 | 266.688 | 388.090 | 424.176 |
| 95.0  | 20.442  | 109.095 | 262.412 | 381.623 | 417.188 |
| 95.5  | 22.111  | 108.365 | 258.448 | 375.470 | 410.305 |
| 96.0  | 23.467  | 108.052 | 255.006 | 369.525 | 403.525 |
| 96.5  | 24.823  | 108.052 | 251.565 | 363.997 | 397.268 |
| 97.0  | 26.074  | 108.156 | 248.436 | 358.678 | 391.010 |
| 97.5  | 27.430  | 108.573 | 245.515 | 353.567 | 385.273 |
| 98.0  | 28.577  | 108.990 | 242.908 | 348.561 | 379.433 |
| 98.5  | 29.933  | 109.512 | 240.718 | 343.763 | 374.009 |
| 99.0  | 31.289  | 110.138 | 238.423 | 339.278 | 368.690 |
| 99.5  | 32.749  | 110.868 | 236.442 | 335.002 | 363.475 |
| 100.0 | 34.001  | 111.598 | 234.877 | 331.039 | 358.782 |
| 100.5 | 35.461  | 112.432 | 233.313 | 327.180 | 353.984 |
| 101.0 | 36.713  | 113.267 | 232.165 | 323.530 | 349.708 |
| 101.5 | 37.964  | 114.101 | 231.018 | 320.088 | 345.328 |
| 102.0 | 39.111  | 114.935 | 230.184 | 316.855 | 341.469 |
| 102.5 | 40.259  | 115.770 | 229.349 | 313.830 | 337.610 |
| 103.0 | 41.406  | 116.708 | 228.724 | 310.805 | 334.168 |
| 103.5 | 42.658  | 117.647 | 228.202 | 308.198 | 330.622 |
| 104.0 | 44.013  | 118.482 | 227.681 | 305.799 | 327.389 |
| 104.5 | 45.369  | 119.420 | 227.368 | 303.505 | 324.364 |
| 105.0 | 46.621  | 120.359 | 227.055 | 301.419 | 321.444 |
| 105.5 | 47.768  | 121.193 | 226.742 | 299.228 | 318.941 |
| 106.0 | 49.124  | 122.236 | 226.638 | 297.351 | 316.437 |
| 106.5 | 50.376  | 123.175 | 226.638 | 295.578 | 313.934 |
| 107.0 | 51.627  | 124.218 | 226.638 | 293.909 | 311.848 |
| 107.5 | 52.774  | 125.052 | 226.638 | 292.658 | 309.658 |
| 108.0 | 54.234  | 126.095 | 226.638 | 291.198 | 307.468 |
| 108.5 | 55.590  | 127.138 | 226.742 | 290.155 | 306.008 |
| 109.0 | 56.946  | 127.973 | 226.950 | 288.799 | 304.548 |
| 109.5 | 58.406  | 128.911 | 227.055 | 287.860 | 302.983 |
| 110.0 | 59.867  | 129.850 | 227.263 | 286.817 | 301.732 |
| 110.5 | 61.327  | 130.789 | 227.472 | 285.878 | 300.584 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-850-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 111.0 | 62.787  | 131.727 | 227.576 | 285.044 | 299.333 |
| 111.5 | 64.247  | 132.562 | 227.681 | 284.418 | 298.290 |
| 112.0 | 65.811  | 133.500 | 227.889 | 283.792 | 297.038 |
| 112.5 | 67.376  | 134.439 | 228.098 | 283.062 | 295.891 |
| 113.0 | 69.045  | 135.378 | 228.411 | 282.541 | 295.369 |
| 113.5 | 70.609  | 136.212 | 228.411 | 282.019 | 294.639 |
| 114.0 | 72.278  | 137.046 | 228.619 | 281.602 | 293.909 |
| 114.5 | 73.842  | 137.985 | 228.828 | 281.081 | 293.283 |
| 115.0 | 75.511  | 138.715 | 229.036 | 280.768 | 292.762 |
| 115.5 | 77.180  | 139.654 | 229.036 | 280.455 | 292.240 |
| 116.0 | 78.744  | 140.488 | 229.349 | 280.038 | 291.615 |
| 116.5 | 80.204  | 141.323 | 229.558 | 279.621 | 291.406 |
| 117.0 | 81.873  | 142.261 | 229.767 | 279.621 | 290.885 |
| 117.5 | 83.438  | 142.991 | 229.975 | 279.203 | 290.572 |
| 118.0 | 84.794  | 143.721 | 230.184 | 278.995 | 290.155 |
| 118.5 | 86.358  | 144.451 | 230.288 | 278.682 | 290.050 |
| 119.0 | 87.714  | 145.182 | 230.497 | 278.369 | 289.424 |
| 119.5 | 89.174  | 145.703 | 230.705 | 278.056 | 289.320 |
| 120.0 | 90.530  | 146.225 | 230.601 | 277.847 | 288.799 |
| 120.5 | 91.886  | 146.850 | 230.705 | 277.430 | 288.694 |
| 121.0 | 93.242  | 147.268 | 230.914 | 277.117 | 288.277 |
| 121.5 | 94.702  | 147.789 | 230.809 | 276.700 | 288.069 |
| 122.0 | 96.058  | 148.415 | 230.809 | 276.492 | 287.756 |
| 122.5 | 97.413  | 149.041 | 230.914 | 276.074 | 287.026 |
| 123.0 | 98.769  | 149.666 | 230.809 | 275.657 | 286.921 |
| 123.5 | 100.021 | 150.188 | 230.601 | 275.344 | 286.296 |
| 124.0 | 101.064 | 150.605 | 230.601 | 275.031 | 286.191 |
| 124.5 | 102.107 | 151.022 | 230.601 | 274.510 | 285.774 |
| 125.0 | 103.150 | 151.544 | 230.392 | 273.988 | 285.357 |
| 125.5 | 104.193 | 151.857 | 230.184 | 273.676 | 284.835 |
| 126.0 | 105.131 | 152.274 | 230.079 | 273.050 | 284.418 |
| 126.5 | 105.966 | 152.795 | 229.871 | 272.633 | 284.105 |
| 127.0 | 106.905 | 153.004 | 229.662 | 272.111 | 283.688 |
| 127.5 | 107.635 | 153.317 | 229.349 | 271.590 | 282.958 |
| 128.0 | 108.573 | 153.317 | 229.245 | 270.964 | 282.541 |
| 128.5 | 109.303 | 153.525 | 228.828 | 270.442 | 282.124 |
| 129.0 | 110.033 | 153.734 | 228.411 | 269.921 | 281.602 |
| 129.5 | 110.659 | 154.047 | 227.681 | 269.087 | 280.976 |
| 130.0 | 111.181 | 154.255 | 226.950 | 268.565 | 280.351 |
| 130.5 | 111.702 | 154.464 | 226.116 | 267.939 | 279.621 |
| 131.0 | 112.015 | 154.777 | 225.282 | 267.001 | 278.890 |
| 131.5 | 112.432 | 155.090 | 224.447 | 266.166 | 278.160 |
| 132.0 | 112.849 | 155.403 | 223.509 | 265.645 | 277.535 |
| 132.5 | 113.058 | 155.507 | 222.466 | 264.602 | 276.596 |
| 133.0 | 113.371 | 155.611 | 222.049 | 263.663 | 275.449 |
| 133.5 | 113.475 | 155.507 | 221.423 | 262.933 | 274.927 |
| 134.0 | 113.580 | 155.298 | 221.006 | 262.099 | 274.197 |
| 134.5 | 113.892 | 154.881 | 220.484 | 261.160 | 272.841 |
| 135.0 | 114.205 | 154.568 | 219.858 | 259.908 | 271.798 |
| 135.5 | 114.101 | 153.734 | 219.337 | 259.074 | 270.964 |
| 136.0 | 114.310 | 153.630 | 218.607 | 258.031 | 269.921 |
| 136.5 | 114.518 | 153.317 | 218.085 | 256.884 | 268.878 |
| 137.0 | 114.623 | 152.795 | 217.251 | 255.945 | 267.731 |
| 137.5 | 114.727 | 152.274 | 216.521 | 254.694 | 266.688 |
| 138.0 | 114.935 | 151.961 | 215.478 | 253.651 | 265.436 |
| 138.5 | 114.935 | 151.544 | 214.122 | 252.503 | 264.497 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-850-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 139.0 | 114.831 | 151.231 | 212.557 | 251.147 | 263.037 |
| 139.5 | 114.831 | 150.814 | 210.680 | 249.687 | 261.994 |
| 140.0 | 114.831 | 150.292 | 208.594 | 248.331 | 260.534 |
| 140.5 | 114.831 | 149.979 | 206.717 | 246.663 | 258.970 |
| 141.0 | 114.831 | 149.771 | 204.631 | 244.890 | 257.718 |
| 141.5 | 114.831 | 149.353 | 202.545 | 243.325 | 256.467 |
| 142.0 | 114.727 | 149.145 | 200.563 | 241.343 | 255.111 |
| 142.5 | 114.623 | 148.832 | 198.477 | 239.570 | 253.546 |
| 143.0 | 114.518 | 148.519 | 196.496 | 237.902 | 251.982 |
| 143.5 | 114.518 | 148.102 | 194.201 | 236.129 | 250.522 |
| 144.0 | 114.518 | 147.580 | 192.220 | 234.773 | 248.853 |
| 144.5 | 114.831 | 147.163 | 190.238 | 233.208 | 247.393 |
| 145.0 | 115.248 | 146.746 | 188.048 | 231.852 | 245.724 |
| 145.5 | 115.978 | 146.225 | 186.066 | 230.497 | 244.055 |
| 146.0 | 116.917 | 145.807 | 184.189 | 229.036 | 242.491 |
| 146.5 | 117.856 | 145.390 | 182.624 | 227.472 | 240.718 |
| 147.0 | 118.794 | 144.869 | 180.851 | 225.908 | 238.945 |
| 147.5 | 119.629 | 144.660 | 179.495 | 224.343 | 237.172 |
| 148.0 | 120.567 | 144.243 | 178.035 | 222.570 | 235.294 |
| 148.5 | 121.402 | 144.139 | 176.888 | 220.901 | 233.417 |
| 149.0 | 122.445 | 144.139 | 175.636 | 219.233 | 231.748 |
| 149.5 | 123.175 | 144.451 | 174.489 | 217.459 | 229.662 |
| 150.0 | 124.009 | 144.660 | 173.342 | 215.791 | 227.472 |
| 150.5 | 124.739 | 144.764 | 172.090 | 213.913 | 225.177 |
| 151.0 | 125.261 | 145.077 | 170.421 | 212.036 | 222.466 |
| 151.5 | 125.782 | 145.182 | 168.648 | 210.054 | 219.963 |
| 152.0 | 126.408 | 145.390 | 166.980 | 207.968 | 217.459 |
| 152.5 | 127.034 | 145.599 | 165.415 | 205.778 | 214.748 |
| 153.0 | 127.451 | 145.703 | 163.746 | 203.275 | 212.557 |
| 153.5 | 127.973 | 146.016 | 161.973 | 200.668 | 210.054 |
| 154.0 | 128.390 | 145.912 | 160.409 | 197.747 | 207.968 |
| 154.5 | 128.911 | 146.016 | 159.053 | 194.931 | 205.882 |
| 155.0 | 129.120 | 146.225 | 157.697 | 191.698 | 204.318 |
| 155.5 | 129.537 | 146.329 | 156.341 | 188.673 | 202.649 |
| 156.0 | 129.850 | 146.329 | 155.403 | 185.440 | 201.189 |
| 156.5 | 130.371 | 146.329 | 154.464 | 182.207 | 199.312 |
| 157.0 | 130.580 | 146.537 | 153.525 | 179.287 | 197.539 |
| 157.5 | 130.893 | 146.537 | 152.900 | 176.471 | 195.557 |
| 158.0 | 131.310 | 146.433 | 152.587 | 173.550 | 193.680 |
| 158.5 | 131.414 | 146.433 | 152.169 | 171.152 | 191.489 |
| 159.0 | 131.936 | 146.120 | 151.857 | 168.857 | 189.612 |
| 159.5 | 132.353 | 145.912 | 151.335 | 166.667 | 187.526 |
| 160.0 | 132.875 | 145.703 | 150.814 | 164.894 | 185.440 |
| 160.5 | 133.500 | 145.599 | 150.396 | 163.225 | 183.459 |
| 161.0 | 133.917 | 145.286 | 150.292 | 161.452 | 181.477 |
| 161.5 | 134.543 | 145.182 | 150.084 | 159.679 | 180.017 |
| 162.0 | 135.065 | 144.973 | 150.396 | 158.219 | 178.765 |
| 162.5 | 135.586 | 144.973 | 150.605 | 156.654 | 177.305 |
| 163.0 | 136.212 | 144.869 | 150.709 | 154.985 | 176.054 |
| 163.5 | 136.734 | 144.869 | 150.918 | 153.212 | 174.489 |
| 164.0 | 136.942 | 144.869 | 151.127 | 151.022 | 173.029 |
| 164.5 | 137.255 | 144.660 | 150.918 | 149.353 | 171.152 |
| 165.0 | 137.568 | 144.660 | 150.605 | 147.685 | 169.274 |
| 165.5 | 137.881 | 144.556 | 150.292 | 146.537 | 167.293 |
| 166.0 | 138.194 | 144.451 | 150.084 | 145.286 | 164.268 |
| 166.5 | 138.507 | 144.451 | 149.771 | 144.243 | 162.808 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-850-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 167.0 | 138.924 | 144.451 | 149.458 | 143.304 | 161.661 |
| 167.5 | 139.132 | 144.451 | 148.832 | 142.470 | 160.513 |
| 168.0 | 139.445 | 144.451 | 148.310 | 141.635 | 159.575 |
| 168.5 | 140.071 | 144.034 | 147.580 | 140.905 | 158.427 |
| 169.0 | 140.384 | 144.139 | 147.059 | 140.175 | 157.280 |
| 169.5 | 140.905 | 143.826 | 146.225 | 139.341 | 156.028 |
| 170.0 | 141.114 | 143.721 | 145.494 | 138.298 | 154.881 |
| 170.5 | 141.427 | 143.513 | 144.556 | 137.151 | 153.630 |
| 171.0 | 141.635 | 143.304 | 143.513 | 135.899 | 152.065 |
| 171.5 | 141.948 | 143.304 | 142.574 | 134.752 | 150.814 |
| 172.0 | 142.470 | 143.096 | 142.053 | 133.605 | 148.936 |
| 172.5 | 142.783 | 143.096 | 141.427 | 132.353 | 146.850 |
| 173.0 | 143.200 | 142.887 | 140.905 | 131.206 | 143.304 |
| 173.5 | 143.721 | 142.991 | 140.697 | 130.058 | 137.985 |
| 174.0 | 144.139 | 142.991 | 140.592 | 129.120 | 131.414 |
| 174.5 | 144.451 | 142.991 | 140.384 | 128.181 | 123.592 |
| 175.0 | 145.077 | 143.304 | 140.280 | 127.451 | 114.727 |
| 175.5 | 145.286 | 143.409 | 140.175 | 127.138 | 105.444 |
| 176.0 | 145.703 | 143.617 | 140.175 | 126.825 | 99.395  |
| 176.5 | 145.807 | 143.721 | 140.071 | 126.825 | 95.119  |
| 177.0 | 146.225 | 143.930 | 139.862 | 126.512 | 90.738  |
| 177.5 | 146.329 | 143.930 | 139.550 | 126.408 | 89.800  |
| 178.0 | 146.746 | 144.139 | 139.445 | 126.304 | 90.008  |
| 178.5 | 146.955 | 144.243 | 139.550 | 126.095 | 90.217  |
| 179.0 | 147.163 | 144.243 | 139.445 | 125.782 | 90.321  |
| 179.5 | 147.372 | 144.243 | 139.341 | 125.678 | 90.426  |
| 180.0 | 132.144 | 132.144 | 132.144 | 132.144 | 132.144 |



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-850-HE-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens   | %Lamp | %Fixt  |
|---------|----------|-------|--------|
| 0-20    | 1194.07  | N.A.  | 11.70  |
| 0-30    | 2501.98  | N.A.  | 24.50  |
| 0-40    | 4019.09  | N.A.  | 39.40  |
| 0-60    | 6801.78  | N.A.  | 66.70  |
| 0-80    | 8473.81  | N.A.  | 83.10  |
| 0-90    | 8894.32  | N.A.  | 87.30  |
| 10-90   | 8583.02  | N.A.  | 84.20  |
| 20-40   | 2825.02  | N.A.  | 27.70  |
| 20-50   | 4318.99  | N.A.  | 42.40  |
| 40-70   | 3773.93  | N.A.  | 37.00  |
| 60-80   | 1672.02  | N.A.  | 16.40  |
| 70-80   | 680.79   | N.A.  | 6.70   |
| 80-90   | 420.51   | N.A.  | 4.10   |
| 90-110  | 491.16   | N.A.  | 4.80   |
| 90-120  | 697.93   | N.A.  | 6.80   |
| 90-130  | 888.23   | N.A.  | 8.70   |
| 90-150  | 1166.09  | N.A.  | 11.40  |
| 90-180  | 1298.92  | N.A.  | 12.70  |
| 110-180 | 807.76   | N.A.  | 7.90   |
| 0-180   | 10193.23 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 311.30  |
| 10-20   | 882.77  |
| 20-30   | 1307.91 |
| 30-40   | 1517.11 |
| 40-50   | 1493.98 |
| 50-60   | 1288.72 |
| 60-70   | 991.24  |
| 70-80   | 680.79  |
| 80-90   | 420.51  |
| 90-100  | 269.42  |
| 100-110 | 221.74  |
| 110-120 | 206.77  |
| 120-130 | 190.30  |
| 130-140 | 159.92  |
| 140-150 | 117.94  |
| 150-160 | 77.11   |
| 160-170 | 42.48   |
| 170-180 | 13.23   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L100-850-HE-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-4-L100-850-HE-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

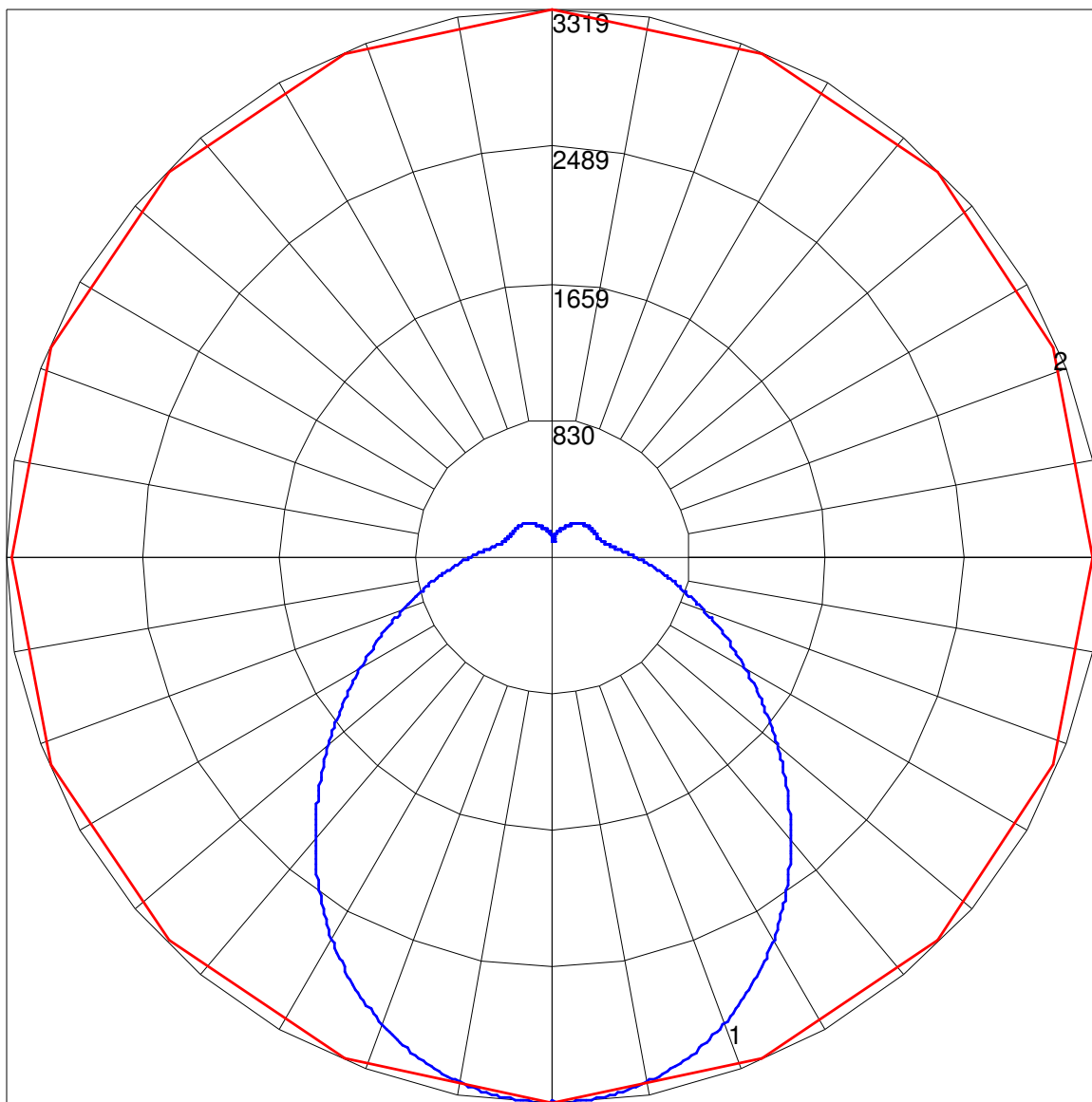
Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 19.9                 | 21.3 | 20.5 | 21.8 | 22.4 | 21.6               | 22.9 | 22.1 | 23.5 | 24.1 |
|           | 3H   | 21.3                 | 22.5 | 21.8 | 23.1 | 23.7 | 23.8               | 25.0 | 24.3 | 25.6 | 26.2 |
|           | 4H   | 21.7                 | 22.9 | 22.3 | 23.5 | 24.1 | 24.8               | 26.0 | 25.4 | 26.6 | 27.3 |
|           | 6H   | 22.0                 | 23.1 | 22.6 | 23.7 | 24.4 | 26.0               | 27.0 | 26.6 | 27.6 | 28.3 |
|           | 8H   | 22.1                 | 23.1 | 22.7 | 23.7 | 24.4 | 26.5               | 27.6 | 27.2 | 28.2 | 28.9 |
|           | 12H  | 22.1                 | 23.1 | 22.7 | 23.7 | 24.4 | 27.2               | 28.2 | 27.8 | 28.8 | 29.5 |
| 4H        | 2H   | 20.6                 | 21.8 | 21.2 | 22.4 | 23.1 | 22.0               | 23.1 | 22.6 | 23.7 | 24.4 |
|           | 3H   | 22.2                 | 23.2 | 22.8 | 23.8 | 24.5 | 24.4               | 25.4 | 25.0 | 26.0 | 26.7 |
|           | 4H   | 22.8                 | 23.7 | 23.4 | 24.3 | 25.1 | 25.7               | 26.5 | 26.3 | 27.2 | 27.9 |
|           | 6H   | 23.2                 | 24.0 | 23.9 | 24.7 | 25.4 | 27.0               | 27.8 | 27.6 | 28.4 | 29.2 |
|           | 8H   | 23.3                 | 24.1 | 24.0 | 24.7 | 25.5 | 27.7               | 28.4 | 28.3 | 29.1 | 29.8 |
|           | 12H  | 23.4                 | 24.1 | 24.1 | 24.8 | 25.5 | 28.5               | 29.1 | 29.1 | 29.8 | 30.6 |
| 8H        | 4H   | 23.4                 | 24.1 | 24.0 | 24.8 | 25.5 | 25.8               | 26.6 | 26.5 | 27.2 | 28.0 |
|           | 6H   | 24.0                 | 24.6 | 24.6 | 25.3 | 26.0 | 27.3               | 28.0 | 28.0 | 28.7 | 29.4 |
|           | 8H   | 24.2                 | 24.7 | 24.8 | 25.4 | 26.2 | 28.2               | 28.8 | 28.9 | 29.5 | 30.2 |
|           | 12H  | 24.3                 | 24.8 | 25.0 | 25.5 | 26.3 | 29.2               | 29.7 | 29.9 | 30.4 | 31.2 |
| 12H       | 4H   | 23.5                 | 24.2 | 24.2 | 24.9 | 25.6 | 25.8               | 26.5 | 26.5 | 27.2 | 28.0 |
|           | 6H   | 24.2                 | 24.8 | 24.9 | 25.5 | 26.3 | 27.4               | 28.0 | 28.1 | 28.6 | 29.4 |
|           | 8H   | 24.5                 | 25.0 | 25.2 | 25.7 | 26.5 | 28.3               | 28.8 | 29.0 | 29.5 | 30.3 |

Maximum UGR = 31.2

POLAR GRAPH



Maximum Candela = 3318.734 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.)