

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L170-840-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-8-L170-840-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 | 16683 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 148 |
| Total Luminaire Watts | 112.4 |
| 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) | 7.44 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 | 18454 | 16457 | 16187 |
| 55 | 16053 | 14121 | 14210 |
| 65 | 13597 | 12133 | 12664 |
| 75 | 11083 | 10655 | 11837 |
| 85 | 8704 | 10601 | 12507 |

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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 | 5399.371 | 5399.371 | 5399.371 | 5399.371 | 5399.371 |
| 0.5 | 5373.765 | 5394.250 | 5397.664 | 5395.957 | 5431.805 |
| 1.0 | 5373.765 | 5395.957 | 5395.957 | 5394.250 | 5430.098 |
| 1.5 | 5368.644 | 5395.957 | 5394.250 | 5392.543 | 5431.805 |
| 2.0 | 5366.937 | 5390.836 | 5394.250 | 5390.836 | 5426.683 |
| 2.5 | 5366.937 | 5390.836 | 5389.129 | 5389.129 | 5423.269 |
| 3.0 | 5361.816 | 5385.714 | 5385.714 | 5385.714 | 5419.855 |
| 3.5 | 5358.402 | 5380.593 | 5380.593 | 5382.300 | 5416.441 |
| 4.0 | 5354.988 | 5377.179 | 5377.179 | 5375.472 | 5413.027 |
| 4.5 | 5346.452 | 5372.058 | 5373.765 | 5372.058 | 5407.906 |
| 5.0 | 5341.331 | 5366.937 | 5366.937 | 5366.937 | 5402.785 |
| 5.5 | 5334.503 | 5360.109 | 5360.109 | 5361.816 | 5395.957 |
| 6.0 | 5331.089 | 5351.574 | 5353.281 | 5353.281 | 5389.129 |
| 6.5 | 5319.140 | 5344.745 | 5346.452 | 5346.452 | 5380.593 |
| 7.0 | 5312.312 | 5336.210 | 5337.917 | 5336.210 | 5373.765 |
| 7.5 | 5305.484 | 5325.968 | 5329.382 | 5329.382 | 5365.230 |
| 8.0 | 5296.948 | 5319.140 | 5319.140 | 5319.140 | 5353.281 |
| 8.5 | 5288.413 | 5307.191 | 5310.605 | 5310.605 | 5343.038 |
| 9.0 | 5274.757 | 5298.655 | 5300.362 | 5298.655 | 5331.089 |
| 9.5 | 5266.222 | 5286.706 | 5286.706 | 5286.706 | 5324.261 |
| 10.0 | 5252.565 | 5273.050 | 5273.050 | 5276.464 | 5310.605 |
| 10.5 | 5240.616 | 5261.100 | 5262.807 | 5262.807 | 5298.655 |
| 11.0 | 5228.667 | 5249.151 | 5250.858 | 5249.151 | 5284.999 |
| 11.5 | 5213.303 | 5235.495 | 5238.909 | 5235.495 | 5273.050 |
| 12.0 | 5199.647 | 5220.131 | 5223.546 | 5223.546 | 5257.686 |
| 12.5 | 5185.991 | 5204.768 | 5209.889 | 5206.475 | 5244.030 |
| 13.0 | 5170.627 | 5191.112 | 5194.526 | 5192.819 | 5228.667 |
| 13.5 | 5155.264 | 5174.041 | 5177.455 | 5177.455 | 5215.010 |
| 14.0 | 5136.486 | 5156.971 | 5160.385 | 5160.385 | 5196.233 |
| 14.5 | 5121.123 | 5139.901 | 5143.315 | 5143.315 | 5182.577 |
| 15.0 | 5105.760 | 5122.830 | 5124.537 | 5124.537 | 5162.092 |
| 15.5 | 5086.982 | 5102.346 | 5107.467 | 5107.467 | 5141.608 |
| 16.0 | 5066.498 | 5083.568 | 5088.689 | 5088.689 | 5124.537 |
| 16.5 | 5049.427 | 5063.084 | 5068.205 | 5069.912 | 5105.760 |
| 17.0 | 5025.529 | 5040.892 | 5047.720 | 5049.427 | 5085.275 |
| 17.5 | 5005.044 | 5020.408 | 5027.236 | 5028.943 | 5064.791 |
| 18.0 | 4986.267 | 4999.923 | 5005.044 | 5010.165 | 5046.013 |
| 18.5 | 4964.075 | 4979.439 | 4984.560 | 4987.974 | 5023.822 |
| 19.0 | 4941.884 | 4953.833 | 4962.368 | 4965.782 | 4999.923 |
| 19.5 | 4916.278 | 4933.349 | 4940.177 | 4947.005 | 4977.732 |
| 20.0 | 4888.965 | 4907.743 | 4916.278 | 4921.399 | 4953.833 |
| 20.5 | 4861.653 | 4885.551 | 4892.380 | 4899.208 | 4931.642 |
| 21.0 | 4839.461 | 4858.239 | 4863.360 | 4877.016 | 4907.743 |
| 21.5 | 4813.856 | 4832.633 | 4841.168 | 4847.997 | 4882.137 |
| 22.0 | 4786.543 | 4808.735 | 4817.270 | 4824.098 | 4859.946 |
| 22.5 | 4762.644 | 4778.008 | 4789.957 | 4800.199 | 4834.340 |
| 23.0 | 4733.625 | 4750.695 | 4762.644 | 4772.887 | 4807.028 |
| 23.5 | 4702.898 | 4721.675 | 4737.039 | 4747.281 | 4781.422 |
| 24.0 | 4672.171 | 4692.656 | 4708.019 | 4719.968 | 4754.109 |
| 24.5 | 4646.566 | 4663.636 | 4680.706 | 4690.949 | 4723.383 |
| 25.0 | 4617.546 | 4634.616 | 4653.394 | 4663.636 | 4696.070 |
| 25.5 | 4585.112 | 4605.597 | 4620.960 | 4636.323 | 4663.636 |
| 26.0 | 4554.385 | 4573.163 | 4593.647 | 4607.304 | 4638.030 |
| 26.5 | 4521.952 | 4540.729 | 4564.628 | 4576.577 | 4609.011 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 27.0 | 4489.518 | 4506.588 | 4535.608 | 4550.971 | 4579.991 |
| 27.5 | 4451.963 | 4474.155 | 4503.174 | 4516.831 | 4550.971 |
| 28.0 | 4424.650 | 4441.721 | 4470.740 | 4486.104 | 4518.538 |
| 28.5 | 4388.802 | 4409.287 | 4438.307 | 4453.670 | 4486.104 |
| 29.0 | 4354.662 | 4375.146 | 4404.166 | 4422.943 | 4455.377 |
| 29.5 | 4318.814 | 4339.298 | 4370.025 | 4388.802 | 4421.236 |
| 30.0 | 4282.966 | 4305.157 | 4335.884 | 4359.783 | 4392.217 |
| 30.5 | 4245.411 | 4267.603 | 4303.450 | 4327.349 | 4358.076 |
| 31.0 | 4209.563 | 4231.755 | 4267.603 | 4293.208 | 4322.228 |
| 31.5 | 4172.008 | 4197.614 | 4233.462 | 4260.774 | 4291.501 |
| 32.0 | 4136.160 | 4158.352 | 4199.321 | 4224.927 | 4255.653 |
| 32.5 | 4096.898 | 4120.797 | 4163.473 | 4190.786 | 4221.512 |
| 33.0 | 4059.344 | 4084.949 | 4124.211 | 4156.645 | 4187.372 |
| 33.5 | 4023.496 | 4047.394 | 4090.070 | 4119.090 | 4151.524 |
| 34.0 | 3980.820 | 4008.132 | 4052.515 | 4084.949 | 4119.090 |
| 34.5 | 3941.558 | 3970.577 | 4016.668 | 4047.394 | 4081.535 |
| 35.0 | 3905.710 | 3929.608 | 3980.820 | 4013.253 | 4045.687 |
| 35.5 | 3859.620 | 3892.054 | 3941.558 | 3975.699 | 4008.132 |
| 36.0 | 3823.772 | 3851.085 | 3904.003 | 3938.144 | 3972.284 |
| 36.5 | 3779.389 | 3810.116 | 3864.741 | 3902.296 | 3938.144 |
| 37.0 | 3738.420 | 3770.854 | 3825.479 | 3863.034 | 3902.296 |
| 37.5 | 3695.744 | 3728.178 | 3787.924 | 3828.893 | 3863.034 |
| 38.0 | 3653.068 | 3687.209 | 3746.955 | 3789.631 | 3822.065 |
| 38.5 | 3608.685 | 3644.533 | 3707.693 | 3753.783 | 3784.510 |
| 39.0 | 3569.423 | 3601.857 | 3666.724 | 3714.521 | 3753.783 |
| 39.5 | 3525.040 | 3562.595 | 3627.462 | 3675.259 | 3712.814 |
| 40.0 | 3477.243 | 3518.212 | 3586.493 | 3639.411 | 3673.552 |
| 40.5 | 3432.860 | 3475.536 | 3547.231 | 3601.857 | 3635.997 |
| 41.0 | 3391.891 | 3432.860 | 3506.262 | 3562.595 | 3596.735 |
| 41.5 | 3347.507 | 3390.183 | 3465.293 | 3523.333 | 3559.181 |
| 42.0 | 3303.124 | 3347.507 | 3424.324 | 3485.778 | 3521.626 |
| 42.5 | 3260.448 | 3303.124 | 3381.648 | 3446.516 | 3482.364 |
| 43.0 | 3212.651 | 3260.448 | 3342.386 | 3408.961 | 3444.809 |
| 43.5 | 3171.682 | 3216.065 | 3299.710 | 3369.699 | 3407.254 |
| 44.0 | 3125.592 | 3171.682 | 3257.034 | 3332.144 | 3367.992 |
| 44.5 | 3082.916 | 3129.006 | 3214.358 | 3291.175 | 3328.730 |
| 45.0 | 3038.533 | 3084.623 | 3173.389 | 3255.327 | 3292.882 |
| 45.5 | 2994.150 | 3041.947 | 3132.420 | 3217.772 | 3255.327 |
| 46.0 | 2949.767 | 2997.564 | 3088.037 | 3176.803 | 3216.065 |
| 46.5 | 2905.384 | 2953.181 | 3050.482 | 3142.663 | 3178.510 |
| 47.0 | 2859.294 | 2910.505 | 3007.806 | 3101.694 | 3140.955 |
| 47.5 | 2814.911 | 2866.122 | 2965.130 | 3062.432 | 3101.694 |
| 48.0 | 2772.235 | 2821.739 | 2922.454 | 3026.584 | 3062.432 |
| 48.5 | 2724.437 | 2779.063 | 2883.192 | 2985.615 | 3024.877 |
| 49.0 | 2681.761 | 2732.973 | 2838.809 | 2946.353 | 2985.615 |
| 49.5 | 2637.378 | 2690.297 | 2797.840 | 2908.798 | 2948.060 |
| 50.0 | 2591.288 | 2645.914 | 2756.871 | 2867.829 | 2908.798 |
| 50.5 | 2548.612 | 2603.238 | 2714.195 | 2833.688 | 2872.950 |
| 51.0 | 2504.229 | 2558.854 | 2676.640 | 2794.426 | 2835.395 |
| 51.5 | 2461.553 | 2514.471 | 2633.964 | 2756.871 | 2797.840 |
| 52.0 | 2415.463 | 2471.795 | 2592.995 | 2717.609 | 2760.285 |
| 52.5 | 2371.080 | 2427.412 | 2553.733 | 2678.347 | 2724.437 |
| 53.0 | 2324.990 | 2384.736 | 2512.764 | 2644.207 | 2685.176 |
| 53.5 | 2280.607 | 2342.060 | 2473.502 | 2604.945 | 2649.328 |
| 54.0 | 2237.931 | 2299.384 | 2434.241 | 2567.390 | 2613.480 |
| 54.5 | 2196.962 | 2255.001 | 2394.979 | 2533.249 | 2577.632 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 55.0 | 2154.286 | 2214.032 | 2355.717 | 2493.987 | 2545.198 |
| 55.5 | 2118.438 | 2171.356 | 2316.455 | 2458.139 | 2505.936 |
| 56.0 | 2077.469 | 2133.801 | 2278.900 | 2422.291 | 2470.088 |
| 56.5 | 2034.793 | 2094.539 | 2239.638 | 2386.443 | 2435.948 |
| 57.0 | 1993.824 | 2055.277 | 2202.083 | 2350.595 | 2400.100 |
| 57.5 | 1951.148 | 2014.308 | 2169.649 | 2316.455 | 2360.838 |
| 58.0 | 1908.472 | 1973.339 | 2132.094 | 2278.900 | 2331.818 |
| 58.5 | 1867.503 | 1932.370 | 2094.539 | 2246.466 | 2297.677 |
| 59.0 | 1826.534 | 1891.401 | 2058.691 | 2217.446 | 2261.829 |
| 59.5 | 1785.565 | 1852.140 | 2026.258 | 2181.598 | 2234.517 |
| 60.0 | 1744.596 | 1811.171 | 1990.410 | 2147.458 | 2200.376 |
| 60.5 | 1704.480 | 1771.909 | 1954.562 | 2115.024 | 2166.235 |
| 61.0 | 1664.194 | 1732.647 | 1918.714 | 2082.590 | 2133.801 |
| 61.5 | 1624.250 | 1693.726 | 1882.866 | 2050.156 | 2103.075 |
| 62.0 | 1584.988 | 1655.147 | 1848.725 | 2019.430 | 2070.641 |
| 62.5 | 1546.238 | 1616.909 | 1812.878 | 1988.703 | 2039.914 |
| 63.0 | 1506.976 | 1578.842 | 1778.737 | 1956.269 | 2012.601 |
| 63.5 | 1468.055 | 1541.287 | 1746.303 | 1925.542 | 1981.875 |
| 64.0 | 1430.159 | 1504.245 | 1712.162 | 1893.108 | 1951.148 |
| 64.5 | 1392.433 | 1468.055 | 1679.728 | 1862.382 | 1920.421 |
| 65.0 | 1355.049 | 1431.695 | 1647.124 | 1831.655 | 1891.401 |
| 65.5 | 1318.177 | 1396.189 | 1614.861 | 1800.928 | 1860.675 |
| 66.0 | 1280.793 | 1360.682 | 1582.939 | 1770.202 | 1831.655 |
| 66.5 | 1244.262 | 1326.029 | 1551.188 | 1741.182 | 1802.635 |
| 67.0 | 1208.585 | 1291.718 | 1519.608 | 1710.455 | 1773.616 |
| 67.5 | 1172.737 | 1257.919 | 1488.710 | 1681.777 | 1744.596 |
| 68.0 | 1137.401 | 1224.973 | 1457.984 | 1652.757 | 1717.283 |
| 68.5 | 1102.578 | 1192.197 | 1427.940 | 1624.591 | 1688.776 |
| 69.0 | 1067.925 | 1159.764 | 1398.237 | 1596.254 | 1661.804 |
| 69.5 | 1033.784 | 1128.013 | 1368.876 | 1568.771 | 1635.004 |
| 70.0 | 999.814 | 1096.774 | 1340.027 | 1541.799 | 1608.374 |
| 70.5 | 966.697 | 1065.876 | 1311.178 | 1514.828 | 1582.086 |
| 71.0 | 933.922 | 1035.320 | 1282.841 | 1488.198 | 1556.139 |
| 71.5 | 901.488 | 1005.447 | 1255.187 | 1462.251 | 1530.533 |
| 72.0 | 869.737 | 975.403 | 1227.533 | 1436.475 | 1505.610 |
| 72.5 | 837.816 | 946.384 | 1200.562 | 1411.211 | 1480.858 |
| 73.0 | 806.748 | 917.535 | 1173.761 | 1386.288 | 1455.935 |
| 73.5 | 776.533 | 889.027 | 1147.814 | 1361.536 | 1431.695 |
| 74.0 | 746.660 | 861.373 | 1121.526 | 1337.637 | 1407.285 |
| 74.5 | 717.299 | 833.548 | 1096.432 | 1313.909 | 1384.240 |
| 75.0 | 688.108 | 806.406 | 1071.510 | 1290.694 | 1361.877 |
| 75.5 | 659.430 | 779.947 | 1046.928 | 1267.649 | 1339.174 |
| 76.0 | 631.605 | 754.000 | 1023.030 | 1244.774 | 1316.982 |
| 76.5 | 603.951 | 728.394 | 999.302 | 1222.412 | 1294.791 |
| 77.0 | 576.638 | 702.959 | 975.915 | 1200.221 | 1273.282 |
| 77.5 | 549.838 | 678.207 | 952.870 | 1178.712 | 1251.944 |
| 78.0 | 523.379 | 653.967 | 930.508 | 1157.545 | 1230.947 |
| 78.5 | 497.432 | 630.069 | 908.317 | 1136.207 | 1210.121 |
| 79.0 | 471.997 | 606.853 | 886.808 | 1115.551 | 1189.637 |
| 79.5 | 446.733 | 583.808 | 865.641 | 1095.408 | 1169.152 |
| 80.0 | 421.810 | 561.104 | 844.473 | 1075.436 | 1149.692 |
| 80.5 | 397.570 | 539.084 | 823.989 | 1055.293 | 1129.890 |
| 81.0 | 374.013 | 517.404 | 804.358 | 1035.832 | 1110.601 |
| 81.5 | 350.114 | 496.237 | 784.727 | 1016.543 | 1091.311 |
| 82.0 | 327.069 | 475.582 | 765.608 | 997.936 | 1072.705 |
| 82.5 | 304.536 | 455.268 | 746.830 | 979.329 | 1054.439 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|----------|
| 83.0 | 282.345 | 435.466 | 728.394 | 961.406 | 1036.686 |
| 83.5 | 260.324 | 416.177 | 710.812 | 943.140 | 1018.250 |
| 84.0 | 238.815 | 397.399 | 693.741 | 925.899 | 1000.667 |
| 84.5 | 217.477 | 379.305 | 677.012 | 908.829 | 983.426 |
| 85.0 | 196.993 | 361.722 | 660.625 | 891.929 | 966.185 |
| 85.5 | 176.508 | 344.993 | 644.579 | 875.541 | 949.456 |
| 86.0 | 156.365 | 328.947 | 628.874 | 859.495 | 932.898 |
| 86.5 | 136.393 | 313.925 | 614.023 | 843.449 | 916.340 |
| 87.0 | 116.762 | 299.415 | 599.001 | 828.256 | 900.123 |
| 87.5 | 97.131 | 285.929 | 584.832 | 812.893 | 884.589 |
| 88.0 | 77.670 | 272.785 | 570.835 | 798.042 | 868.884 |
| 88.5 | 58.039 | 260.494 | 557.349 | 783.361 | 853.691 |
| 89.0 | 40.115 | 248.887 | 544.546 | 769.193 | 838.669 |
| 89.5 | 25.435 | 238.132 | 532.085 | 755.536 | 823.989 |
| 90.0 | 15.193 | 228.573 | 520.648 | 742.563 | 810.503 |
| 90.5 | 10.754 | 220.208 | 510.064 | 729.589 | 796.164 |
| 91.0 | 11.437 | 212.527 | 499.309 | 716.445 | 782.508 |
| 91.5 | 13.656 | 205.186 | 488.555 | 703.984 | 768.851 |
| 92.0 | 16.217 | 199.041 | 478.313 | 691.352 | 755.536 |
| 92.5 | 18.948 | 193.749 | 469.607 | 679.232 | 742.392 |
| 93.0 | 21.679 | 189.140 | 460.560 | 667.794 | 729.760 |
| 93.5 | 24.581 | 185.555 | 452.024 | 656.528 | 717.811 |
| 94.0 | 27.654 | 182.483 | 444.001 | 645.944 | 706.203 |
| 94.5 | 30.556 | 180.264 | 436.490 | 635.190 | 694.254 |
| 95.0 | 33.458 | 178.556 | 429.492 | 624.606 | 682.816 |
| 95.5 | 36.189 | 177.362 | 423.005 | 614.535 | 671.550 |
| 96.0 | 38.408 | 176.849 | 417.372 | 604.805 | 660.454 |
| 96.5 | 40.628 | 176.849 | 411.738 | 595.757 | 650.212 |
| 97.0 | 42.676 | 177.020 | 406.617 | 587.051 | 639.970 |
| 97.5 | 44.895 | 177.703 | 401.837 | 578.687 | 630.581 |
| 98.0 | 46.773 | 178.386 | 397.570 | 570.493 | 621.022 |
| 98.5 | 48.992 | 179.239 | 393.985 | 562.641 | 612.145 |
| 99.0 | 51.211 | 180.264 | 390.230 | 555.300 | 603.439 |
| 99.5 | 53.601 | 181.458 | 386.986 | 548.302 | 594.904 |
| 100.0 | 55.650 | 182.653 | 384.426 | 541.815 | 587.222 |
| 100.5 | 58.039 | 184.019 | 381.865 | 535.499 | 579.370 |
| 101.0 | 60.088 | 185.385 | 379.987 | 529.524 | 572.371 |
| 101.5 | 62.136 | 186.750 | 378.110 | 523.891 | 565.201 |
| 102.0 | 64.014 | 188.116 | 376.744 | 518.599 | 558.885 |
| 102.5 | 65.892 | 189.482 | 375.378 | 513.649 | 552.569 |
| 103.0 | 67.770 | 191.018 | 374.354 | 508.698 | 546.936 |
| 103.5 | 69.818 | 192.554 | 373.501 | 504.431 | 541.132 |
| 104.0 | 72.037 | 193.920 | 372.647 | 500.504 | 535.840 |
| 104.5 | 74.256 | 195.456 | 372.135 | 496.749 | 530.890 |
| 105.0 | 76.305 | 196.993 | 371.623 | 493.335 | 526.110 |
| 105.5 | 78.182 | 198.358 | 371.111 | 489.750 | 522.013 |
| 106.0 | 80.402 | 200.065 | 370.940 | 486.677 | 517.916 |
| 106.5 | 82.450 | 201.602 | 370.940 | 483.775 | 513.819 |
| 107.0 | 84.499 | 203.309 | 370.940 | 481.044 | 510.405 |
| 107.5 | 86.376 | 204.674 | 370.940 | 478.996 | 506.820 |
| 108.0 | 88.766 | 206.381 | 370.940 | 476.606 | 503.236 |
| 108.5 | 90.985 | 208.088 | 371.111 | 474.899 | 500.846 |
| 109.0 | 93.204 | 209.454 | 371.452 | 472.680 | 498.456 |
| 109.5 | 95.594 | 210.990 | 371.623 | 471.143 | 495.895 |
| 110.0 | 97.984 | 212.527 | 371.964 | 469.436 | 493.847 |
| 110.5 | 100.374 | 214.063 | 372.306 | 467.900 | 491.969 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 111.0 | 102.764 | 215.599 | 372.476 | 466.534 | 489.921 |
| 111.5 | 105.154 | 216.965 | 372.647 | 465.510 | 488.214 |
| 112.0 | 107.714 | 218.501 | 372.988 | 464.486 | 486.165 |
| 112.5 | 110.275 | 220.038 | 373.330 | 463.291 | 484.288 |
| 113.0 | 113.006 | 221.574 | 373.842 | 462.437 | 483.434 |
| 113.5 | 115.567 | 222.940 | 373.842 | 461.584 | 482.239 |
| 114.0 | 118.298 | 224.305 | 374.183 | 460.901 | 481.044 |
| 114.5 | 120.859 | 225.842 | 374.525 | 460.048 | 480.020 |
| 115.0 | 123.590 | 227.036 | 374.866 | 459.535 | 479.166 |
| 115.5 | 126.321 | 228.573 | 374.866 | 459.023 | 478.313 |
| 116.0 | 128.882 | 229.938 | 375.378 | 458.341 | 477.289 |
| 116.5 | 131.271 | 231.304 | 375.720 | 457.658 | 476.947 |
| 117.0 | 134.003 | 232.840 | 376.061 | 457.658 | 476.094 |
| 117.5 | 136.563 | 234.035 | 376.403 | 456.975 | 475.582 |
| 118.0 | 138.782 | 235.230 | 376.744 | 456.633 | 474.899 |
| 118.5 | 141.343 | 236.425 | 376.915 | 456.121 | 474.728 |
| 119.0 | 143.562 | 237.620 | 377.256 | 455.609 | 473.704 |
| 119.5 | 145.952 | 238.474 | 377.597 | 455.097 | 473.533 |
| 120.0 | 148.171 | 239.327 | 377.427 | 454.756 | 472.680 |
| 120.5 | 150.390 | 240.351 | 377.597 | 454.073 | 472.509 |
| 121.0 | 152.609 | 241.034 | 377.939 | 453.561 | 471.826 |
| 121.5 | 154.999 | 241.888 | 377.768 | 452.878 | 471.485 |
| 122.0 | 157.218 | 242.912 | 377.768 | 452.537 | 470.973 |
| 122.5 | 159.438 | 243.936 | 377.939 | 451.854 | 469.778 |
| 123.0 | 161.657 | 244.960 | 377.768 | 451.171 | 469.607 |
| 123.5 | 163.705 | 245.814 | 377.427 | 450.659 | 468.583 |
| 124.0 | 165.412 | 246.497 | 377.427 | 450.147 | 468.412 |
| 124.5 | 167.119 | 247.180 | 377.427 | 449.293 | 467.729 |
| 125.0 | 168.826 | 248.033 | 377.085 | 448.440 | 467.046 |
| 125.5 | 170.533 | 248.545 | 376.744 | 447.928 | 466.193 |
| 126.0 | 172.070 | 249.228 | 376.573 | 446.903 | 465.510 |
| 126.5 | 173.435 | 250.082 | 376.232 | 446.221 | 464.998 |
| 127.0 | 174.972 | 250.423 | 375.890 | 445.367 | 464.315 |
| 127.5 | 176.167 | 250.935 | 375.378 | 444.513 | 463.120 |
| 128.0 | 177.703 | 250.935 | 375.208 | 443.489 | 462.437 |
| 128.5 | 178.898 | 251.276 | 374.525 | 442.636 | 461.755 |
| 129.0 | 180.093 | 251.618 | 373.842 | 441.782 | 460.901 |
| 129.5 | 181.117 | 252.130 | 372.647 | 440.417 | 459.877 |
| 130.0 | 181.971 | 252.471 | 371.452 | 439.563 | 458.853 |
| 130.5 | 182.824 | 252.813 | 370.086 | 438.539 | 457.658 |
| 131.0 | 183.336 | 253.325 | 368.721 | 437.003 | 456.463 |
| 131.5 | 184.019 | 253.837 | 367.355 | 435.637 | 455.268 |
| 132.0 | 184.702 | 254.349 | 365.819 | 434.783 | 454.244 |
| 132.5 | 185.043 | 254.520 | 364.112 | 433.076 | 452.707 |
| 133.0 | 185.555 | 254.691 | 363.429 | 431.540 | 450.830 |
| 133.5 | 185.726 | 254.520 | 362.405 | 430.345 | 449.976 |
| 134.0 | 185.897 | 254.178 | 361.722 | 428.979 | 448.781 |
| 134.5 | 186.409 | 253.496 | 360.868 | 427.443 | 446.562 |
| 135.0 | 186.921 | 252.983 | 359.844 | 425.395 | 444.855 |
| 135.5 | 186.750 | 251.618 | 358.991 | 424.029 | 443.489 |
| 136.0 | 187.092 | 251.447 | 357.796 | 422.322 | 441.782 |
| 136.5 | 187.433 | 250.935 | 356.942 | 420.444 | 440.075 |
| 137.0 | 187.604 | 250.082 | 355.577 | 418.908 | 438.197 |
| 137.5 | 187.775 | 249.228 | 354.382 | 416.859 | 436.490 |
| 138.0 | 188.116 | 248.716 | 352.675 | 415.152 | 434.442 |
| 138.5 | 188.116 | 248.033 | 350.456 | 413.275 | 432.906 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L170-840-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 139.0 | 187.945 | 247.521 | 347.895 | 411.055 | 430.516 |
| 139.5 | 187.945 | 246.838 | 344.822 | 408.666 | 428.809 |
| 140.0 | 187.945 | 245.985 | 341.408 | 406.446 | 426.419 |
| 140.5 | 187.945 | 245.472 | 338.336 | 403.715 | 423.858 |
| 141.0 | 187.945 | 245.131 | 334.921 | 400.813 | 421.810 |
| 141.5 | 187.945 | 244.448 | 331.507 | 398.253 | 419.761 |
| 142.0 | 187.775 | 244.107 | 328.264 | 395.009 | 417.542 |
| 142.5 | 187.604 | 243.595 | 324.850 | 392.107 | 414.982 |
| 143.0 | 187.433 | 243.083 | 321.607 | 389.376 | 412.421 |
| 143.5 | 187.433 | 242.400 | 317.851 | 386.474 | 410.031 |
| 144.0 | 187.433 | 241.546 | 314.608 | 384.255 | 407.300 |
| 144.5 | 187.945 | 240.863 | 311.364 | 381.694 | 404.910 |
| 145.0 | 188.628 | 240.181 | 307.779 | 379.475 | 402.179 |
| 145.5 | 189.823 | 239.327 | 304.536 | 377.256 | 399.448 |
| 146.0 | 191.359 | 238.644 | 301.463 | 374.866 | 396.887 |
| 146.5 | 192.896 | 237.962 | 298.903 | 372.306 | 393.985 |
| 147.0 | 194.432 | 237.108 | 296.001 | 369.745 | 391.083 |
| 147.5 | 195.798 | 236.767 | 293.782 | 367.185 | 388.181 |
| 148.0 | 197.334 | 236.084 | 291.392 | 364.283 | 385.108 |
| 148.5 | 198.700 | 235.913 | 289.514 | 361.551 | 382.036 |
| 149.0 | 200.407 | 235.913 | 287.466 | 358.820 | 379.305 |
| 149.5 | 201.602 | 236.425 | 285.588 | 355.918 | 375.890 |
| 150.0 | 202.967 | 236.767 | 283.710 | 353.187 | 372.306 |
| 150.5 | 204.162 | 236.937 | 281.662 | 350.114 | 368.550 |
| 151.0 | 205.016 | 237.449 | 278.931 | 347.041 | 364.112 |
| 151.5 | 205.869 | 237.620 | 276.029 | 343.798 | 360.015 |
| 152.0 | 206.893 | 237.962 | 273.297 | 340.384 | 355.918 |
| 152.5 | 207.918 | 238.303 | 270.737 | 336.799 | 351.480 |
| 153.0 | 208.600 | 238.474 | 268.005 | 332.702 | 347.895 |
| 153.5 | 209.454 | 238.986 | 265.103 | 328.435 | 343.798 |
| 154.0 | 210.137 | 238.815 | 262.543 | 323.655 | 340.384 |
| 154.5 | 210.990 | 238.986 | 260.324 | 319.046 | 336.970 |
| 155.0 | 211.332 | 239.327 | 258.105 | 313.754 | 334.409 |
| 155.5 | 212.014 | 239.498 | 255.885 | 308.804 | 331.678 |
| 156.0 | 212.527 | 239.498 | 254.349 | 303.512 | 329.288 |
| 156.5 | 213.380 | 239.498 | 252.813 | 298.220 | 326.216 |
| 157.0 | 213.722 | 239.839 | 251.276 | 293.440 | 323.314 |
| 157.5 | 214.234 | 239.839 | 250.252 | 288.831 | 320.070 |
| 158.0 | 214.916 | 239.669 | 249.740 | 284.052 | 316.998 |
| 158.5 | 215.087 | 239.669 | 249.057 | 280.125 | 313.413 |
| 159.0 | 215.941 | 239.156 | 248.545 | 276.370 | 310.340 |
| 159.5 | 216.624 | 238.815 | 247.692 | 272.785 | 306.926 |
| 160.0 | 217.477 | 238.474 | 246.838 | 269.883 | 303.512 |
| 160.5 | 218.501 | 238.303 | 246.155 | 267.152 | 300.269 |
| 161.0 | 219.184 | 237.791 | 245.985 | 264.250 | 297.025 |
| 161.5 | 220.208 | 237.620 | 245.643 | 261.348 | 294.635 |
| 162.0 | 221.062 | 237.279 | 246.155 | 258.958 | 292.587 |
| 162.5 | 221.915 | 237.279 | 246.497 | 256.398 | 290.197 |
| 163.0 | 222.940 | 237.108 | 246.667 | 253.666 | 288.149 |
| 163.5 | 223.793 | 237.108 | 247.009 | 250.764 | 285.588 |
| 164.0 | 224.134 | 237.108 | 247.350 | 247.180 | 283.198 |
| 164.5 | 224.647 | 236.767 | 247.009 | 244.448 | 280.125 |
| 165.0 | 225.159 | 236.767 | 246.497 | 241.717 | 277.053 |
| 165.5 | 225.671 | 236.596 | 245.985 | 239.839 | 273.809 |
| 166.0 | 226.183 | 236.425 | 245.643 | 237.791 | 268.859 |
| 166.5 | 226.695 | 236.425 | 245.131 | 236.084 | 266.469 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L170-840-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 167.0 | 227.378 | 236.425 | 244.619 | 234.547 | 264.591 |
| 167.5 | 227.719 | 236.425 | 243.595 | 233.182 | 262.714 |
| 168.0 | 228.231 | 236.425 | 242.741 | 231.816 | 261.177 |
| 168.5 | 229.256 | 235.742 | 241.546 | 230.621 | 259.300 |
| 169.0 | 229.768 | 235.913 | 240.693 | 229.426 | 257.422 |
| 169.5 | 230.621 | 235.401 | 239.327 | 228.061 | 255.373 |
| 170.0 | 230.963 | 235.230 | 238.132 | 226.354 | 253.496 |
| 170.5 | 231.475 | 234.889 | 236.596 | 224.476 | 251.447 |
| 171.0 | 231.816 | 234.547 | 234.889 | 222.427 | 248.887 |
| 171.5 | 232.328 | 234.547 | 233.353 | 220.550 | 246.838 |
| 172.0 | 233.182 | 234.206 | 232.499 | 218.672 | 243.765 |
| 172.5 | 233.694 | 234.206 | 231.475 | 216.624 | 240.351 |
| 173.0 | 234.377 | 233.865 | 230.621 | 214.746 | 234.547 |
| 173.5 | 235.230 | 234.035 | 230.280 | 212.868 | 225.842 |
| 174.0 | 235.913 | 234.035 | 230.109 | 211.332 | 215.087 |
| 174.5 | 236.425 | 234.035 | 229.768 | 209.795 | 202.284 |
| 175.0 | 237.449 | 234.547 | 229.597 | 208.600 | 187.775 |
| 175.5 | 237.791 | 234.718 | 229.426 | 208.088 | 172.582 |
| 176.0 | 238.474 | 235.060 | 229.426 | 207.576 | 162.681 |
| 176.5 | 238.644 | 235.230 | 229.256 | 207.576 | 155.682 |
| 177.0 | 239.327 | 235.572 | 228.914 | 207.064 | 148.513 |
| 177.5 | 239.498 | 235.572 | 228.402 | 206.893 | 146.976 |
| 178.0 | 240.181 | 235.913 | 228.231 | 206.723 | 147.318 |
| 178.5 | 240.522 | 236.084 | 228.402 | 206.381 | 147.659 |
| 179.0 | 240.863 | 236.084 | 228.231 | 205.869 | 147.830 |
| 179.5 | 241.205 | 236.084 | 228.061 | 205.698 | 148.000 |
| 180.0 | 216.282 | 216.282 | 216.282 | 216.282 | 216.282 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L170-840-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|----------|-------|--------|
| 0-20 | 1954.35 | N.A. | 11.70 |
| 0-30 | 4095.02 | N.A. | 24.50 |
| 0-40 | 6578.08 | N.A. | 39.40 |
| 0-60 | 11132.54 | N.A. | 66.70 |
| 0-80 | 13869.16 | N.A. | 83.10 |
| 0-90 | 14557.42 | N.A. | 87.30 |
| 10-90 | 14047.91 | N.A. | 84.20 |
| 20-40 | 4623.73 | N.A. | 27.70 |
| 20-50 | 7068.94 | N.A. | 42.40 |
| 40-70 | 6176.83 | N.A. | 37.00 |
| 60-80 | 2736.62 | N.A. | 16.40 |
| 70-80 | 1114.25 | N.A. | 6.70 |
| 80-90 | 688.25 | N.A. | 4.10 |
| 90-110 | 803.88 | N.A. | 4.80 |
| 90-120 | 1142.31 | N.A. | 6.80 |
| 90-130 | 1453.78 | N.A. | 8.70 |
| 90-150 | 1908.55 | N.A. | 11.40 |
| 90-180 | 2125.95 | N.A. | 12.70 |
| 110-180 | 1322.07 | N.A. | 7.90 |
| 0-180 | 16683.37 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 509.51 |
| 10-20 | 1444.84 |
| 20-30 | 2140.67 |
| 30-40 | 2483.06 |
| 40-50 | 2445.21 |
| 50-60 | 2109.26 |
| 60-70 | 1622.37 |
| 70-80 | 1114.25 |
| 80-90 | 688.25 |
| 90-100 | 440.97 |
| 100-110 | 362.92 |
| 110-120 | 338.43 |
| 120-130 | 311.47 |
| 130-140 | 261.74 |
| 140-150 | 193.03 |
| 150-160 | 126.21 |
| 160-170 | 69.54 |
| 170-180 | 21.66 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L170-840-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-8-L170-840-DIM-UNV_.IES

UGR TABLE - CORRECTED

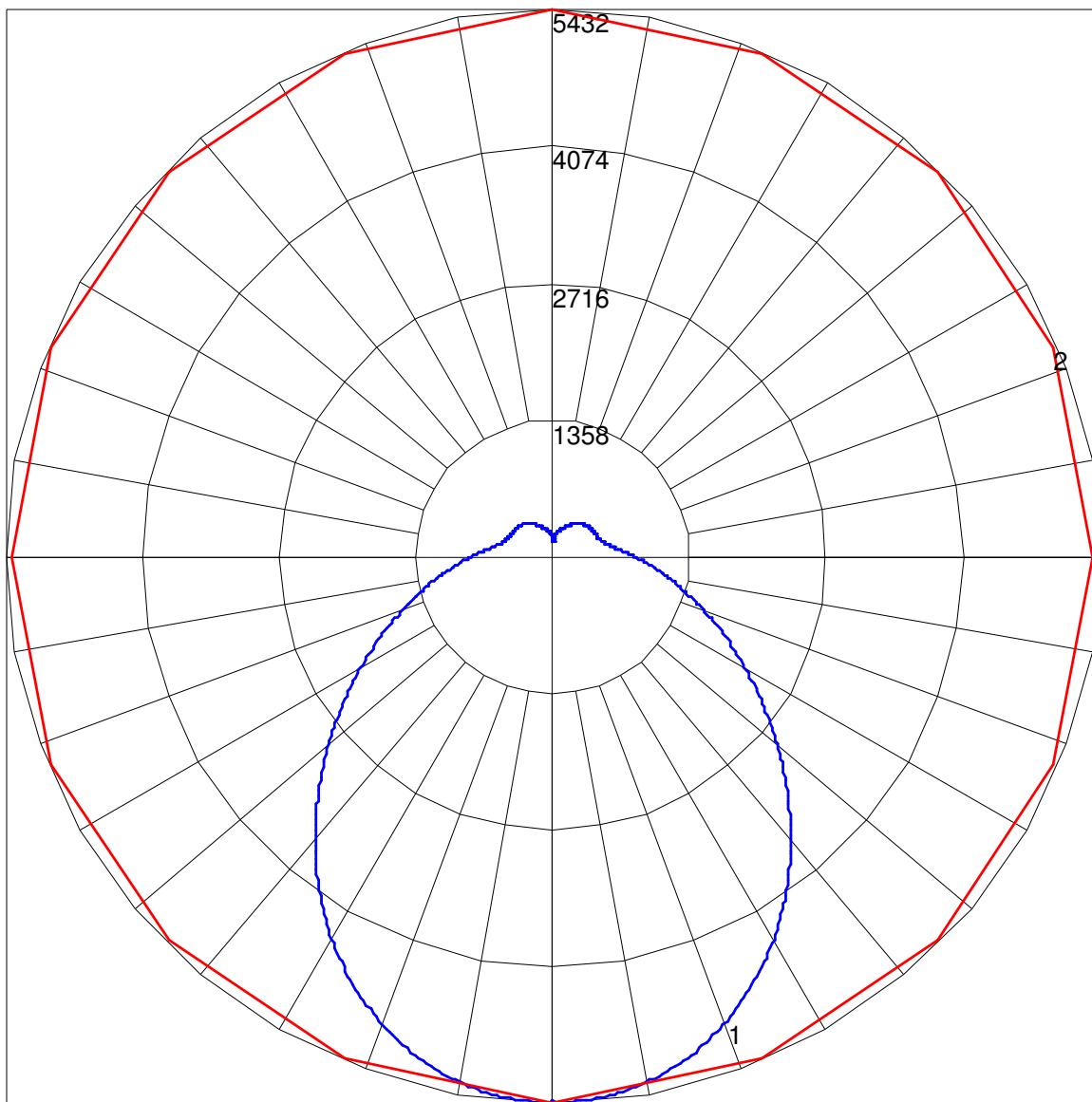
Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 19.2 | 20.6 | 19.7 | 21.1 | 21.7 | 20.9 | 22.3 | 21.5 | 22.8 | 23.4 |
| | 3H | 20.6 | 21.8 | 21.1 | 22.4 | 23.0 | 23.1 | 24.4 | 23.7 | 24.9 | 25.6 |
| | 4H | 21.0 | 22.2 | 21.6 | 22.7 | 23.4 | 24.2 | 25.4 | 24.8 | 25.9 | 26.6 |
| | 6H | 21.3 | 22.4 | 21.9 | 23.0 | 23.7 | 25.3 | 26.4 | 25.9 | 27.0 | 27.7 |
| | 8H | 21.4 | 22.4 | 22.0 | 23.0 | 23.7 | 26.0 | 27.0 | 26.6 | 27.6 | 28.3 |
| | 12H | 21.4 | 22.4 | 22.0 | 23.0 | 23.7 | 26.7 | 27.6 | 27.3 | 28.3 | 29.0 |
| 4H | 2H | 19.9 | 21.1 | 20.5 | 21.7 | 22.4 | 21.3 | 22.5 | 21.9 | 23.1 | 23.7 |
| | 3H | 21.5 | 22.5 | 22.1 | 23.2 | 23.8 | 23.8 | 24.7 | 24.4 | 25.4 | 26.1 |
| | 4H | 22.1 | 23.0 | 22.7 | 23.6 | 24.4 | 25.0 | 25.9 | 25.6 | 26.5 | 27.3 |
| | 6H | 22.5 | 23.3 | 23.2 | 24.0 | 24.7 | 26.4 | 27.1 | 27.0 | 27.8 | 28.5 |
| | 8H | 22.6 | 23.4 | 23.3 | 24.0 | 24.8 | 27.1 | 27.8 | 27.7 | 28.5 | 29.2 |
| | 12H | 22.7 | 23.4 | 23.4 | 24.1 | 24.8 | 27.9 | 28.6 | 28.6 | 29.3 | 30.0 |
| 8H | 4H | 22.7 | 23.4 | 23.3 | 24.1 | 24.8 | 25.2 | 25.9 | 25.9 | 26.6 | 27.4 |
| | 6H | 23.3 | 23.9 | 23.9 | 24.6 | 25.3 | 26.7 | 27.4 | 27.4 | 28.1 | 28.8 |
| | 8H | 23.5 | 24.0 | 24.2 | 24.7 | 25.5 | 27.6 | 28.2 | 28.3 | 28.9 | 29.6 |
| | 12H | 23.6 | 24.1 | 24.3 | 24.8 | 25.6 | 28.6 | 29.1 | 29.3 | 29.8 | 30.6 |
| 12H | 4H | 22.9 | 23.5 | 23.5 | 24.2 | 25.0 | 25.2 | 25.9 | 25.9 | 26.6 | 27.3 |
| | 6H | 23.5 | 24.1 | 24.2 | 24.8 | 25.6 | 26.8 | 27.3 | 27.5 | 28.0 | 28.8 |
| | 8H | 23.8 | 24.3 | 24.5 | 25.0 | 25.8 | 27.7 | 28.2 | 28.4 | 28.9 | 29.7 |

Maximum UGR = 30.6

POLAR GRAPH



Maximum Candela = 5431.805 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.)