

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L130-840-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-L130-840-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 | 12724 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 145 |
| Total Luminaire Watts | 87.9 |
| 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) | 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 | 14074 | 12551 | 12345 |
| 55 | 12243 | 10770 | 10838 |
| 65 | 10370 | 9253 | 9659 |
| 75 | 8453 | 8126 | 9028 |
| 85 | 6639 | 8085 | 9539 |

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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 | 4117.947 | 4117.947 | 4117.947 | 4117.947 | 4117.947 |
| 0.5 | 4098.419 | 4114.042 | 4116.646 | 4115.344 | 4142.684 |
| 1.0 | 4098.419 | 4115.344 | 4115.344 | 4114.042 | 4141.382 |
| 1.5 | 4094.513 | 4115.344 | 4114.042 | 4112.740 | 4142.684 |
| 2.0 | 4093.211 | 4111.438 | 4114.042 | 4111.438 | 4138.778 |
| 2.5 | 4093.211 | 4111.438 | 4110.136 | 4110.136 | 4136.174 |
| 3.0 | 4089.305 | 4107.532 | 4107.532 | 4107.532 | 4133.570 |
| 3.5 | 4086.702 | 4103.626 | 4103.626 | 4104.928 | 4130.967 |
| 4.0 | 4084.098 | 4101.023 | 4101.023 | 4099.721 | 4128.363 |
| 4.5 | 4077.588 | 4097.117 | 4098.419 | 4097.117 | 4124.457 |
| 5.0 | 4073.682 | 4093.211 | 4093.211 | 4093.211 | 4120.551 |
| 5.5 | 4068.475 | 4088.004 | 4088.004 | 4089.305 | 4115.344 |
| 6.0 | 4065.871 | 4081.494 | 4082.796 | 4082.796 | 4110.136 |
| 6.5 | 4056.758 | 4076.286 | 4077.588 | 4077.588 | 4103.626 |
| 7.0 | 4051.550 | 4069.777 | 4071.079 | 4069.777 | 4098.419 |
| 7.5 | 4046.342 | 4061.965 | 4064.569 | 4064.569 | 4091.909 |
| 8.0 | 4039.833 | 4056.758 | 4056.758 | 4056.758 | 4082.796 |
| 8.5 | 4033.323 | 4047.644 | 4050.248 | 4050.248 | 4074.984 |
| 9.0 | 4022.908 | 4041.135 | 4042.437 | 4041.135 | 4065.871 |
| 9.5 | 4016.398 | 4032.021 | 4032.021 | 4032.021 | 4060.663 |
| 10.0 | 4005.983 | 4021.606 | 4021.606 | 4024.210 | 4050.248 |
| 10.5 | 3996.870 | 4012.493 | 4013.795 | 4013.795 | 4041.135 |
| 11.0 | 3987.756 | 4003.379 | 4004.681 | 4003.379 | 4030.719 |
| 11.5 | 3976.039 | 3992.964 | 3995.568 | 3992.964 | 4021.606 |
| 12.0 | 3965.624 | 3981.247 | 3983.851 | 3983.851 | 4009.889 |
| 12.5 | 3955.209 | 3969.530 | 3973.435 | 3970.831 | 3999.474 |
| 13.0 | 3943.491 | 3959.114 | 3961.718 | 3960.416 | 3987.756 |
| 13.5 | 3931.774 | 3946.095 | 3948.699 | 3948.699 | 3977.341 |
| 14.0 | 3917.453 | 3933.076 | 3935.680 | 3935.680 | 3963.020 |
| 14.5 | 3905.736 | 3920.057 | 3922.661 | 3922.661 | 3952.605 |
| 15.0 | 3894.019 | 3907.038 | 3908.340 | 3908.340 | 3936.982 |
| 15.5 | 3879.698 | 3891.415 | 3895.321 | 3895.321 | 3921.359 |
| 16.0 | 3864.075 | 3877.094 | 3881.000 | 3881.000 | 3908.340 |
| 16.5 | 3851.056 | 3861.471 | 3865.377 | 3866.678 | 3894.019 |
| 17.0 | 3832.829 | 3844.546 | 3849.754 | 3851.056 | 3878.396 |
| 17.5 | 3817.206 | 3828.923 | 3834.131 | 3835.433 | 3862.773 |
| 18.0 | 3802.885 | 3813.300 | 3817.206 | 3821.112 | 3848.452 |
| 18.5 | 3785.960 | 3797.677 | 3801.583 | 3804.187 | 3831.527 |
| 19.0 | 3769.035 | 3778.148 | 3784.658 | 3787.262 | 3813.300 |
| 19.5 | 3749.506 | 3762.526 | 3767.733 | 3772.941 | 3796.375 |
| 20.0 | 3728.676 | 3742.997 | 3749.506 | 3753.412 | 3778.148 |
| 20.5 | 3707.845 | 3726.072 | 3731.280 | 3736.487 | 3761.224 |
| 21.0 | 3690.920 | 3705.241 | 3709.147 | 3719.562 | 3742.997 |
| 21.5 | 3671.392 | 3685.713 | 3692.222 | 3697.430 | 3723.468 |
| 22.0 | 3650.561 | 3667.486 | 3673.996 | 3679.203 | 3706.543 |
| 22.5 | 3632.334 | 3644.052 | 3653.165 | 3660.976 | 3687.015 |
| 23.0 | 3610.202 | 3623.221 | 3632.334 | 3640.146 | 3666.184 |
| 23.5 | 3586.767 | 3601.088 | 3612.806 | 3620.617 | 3646.655 |
| 24.0 | 3563.333 | 3578.956 | 3590.673 | 3599.787 | 3625.825 |
| 24.5 | 3543.804 | 3556.823 | 3569.843 | 3577.654 | 3602.390 |
| 25.0 | 3521.672 | 3534.691 | 3549.012 | 3556.823 | 3581.560 |
| 25.5 | 3496.935 | 3512.558 | 3524.276 | 3535.993 | 3556.823 |
| 26.0 | 3473.501 | 3487.822 | 3503.445 | 3513.860 | 3537.295 |
| 26.5 | 3448.765 | 3463.086 | 3481.313 | 3490.426 | 3515.162 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 27.0 | 3424.028 | 3437.048 | 3459.180 | 3470.897 | 3493.030 |
| 27.5 | 3395.386 | 3412.311 | 3434.444 | 3444.859 | 3470.897 |
| 28.0 | 3374.556 | 3387.575 | 3409.707 | 3421.425 | 3446.161 |
| 28.5 | 3347.216 | 3362.839 | 3384.971 | 3396.688 | 3421.425 |
| 29.0 | 3321.177 | 3336.800 | 3358.933 | 3373.254 | 3397.990 |
| 29.5 | 3293.837 | 3309.460 | 3332.895 | 3347.216 | 3371.952 |
| 30.0 | 3266.497 | 3283.422 | 3306.856 | 3325.083 | 3349.819 |
| 30.5 | 3237.855 | 3254.780 | 3282.120 | 3300.347 | 3323.781 |
| 31.0 | 3210.515 | 3227.440 | 3254.780 | 3274.309 | 3296.441 |
| 31.5 | 3181.873 | 3201.401 | 3228.742 | 3249.572 | 3273.007 |
| 32.0 | 3154.533 | 3171.458 | 3202.703 | 3222.232 | 3245.666 |
| 32.5 | 3124.589 | 3142.815 | 3175.363 | 3196.194 | 3219.628 |
| 33.0 | 3095.947 | 3115.475 | 3145.419 | 3170.156 | 3193.590 |
| 33.5 | 3068.606 | 3086.833 | 3119.381 | 3141.514 | 3166.250 |
| 34.0 | 3036.059 | 3056.889 | 3090.739 | 3115.475 | 3141.514 |
| 34.5 | 3006.115 | 3028.247 | 3063.399 | 3086.833 | 3112.871 |
| 35.0 | 2978.775 | 2997.001 | 3036.059 | 3060.795 | 3085.531 |
| 35.5 | 2943.623 | 2968.359 | 3006.115 | 3032.153 | 3056.889 |
| 36.0 | 2916.283 | 2937.113 | 2977.473 | 3003.511 | 3029.549 |
| 36.5 | 2882.433 | 2905.867 | 2947.529 | 2976.171 | 3003.511 |
| 37.0 | 2851.187 | 2875.923 | 2917.585 | 2946.227 | 2976.171 |
| 37.5 | 2818.639 | 2843.376 | 2888.943 | 2920.189 | 2946.227 |
| 38.0 | 2786.092 | 2812.130 | 2857.697 | 2890.245 | 2914.981 |
| 38.5 | 2752.242 | 2779.582 | 2827.753 | 2862.904 | 2886.339 |
| 39.0 | 2722.298 | 2747.034 | 2796.507 | 2832.960 | 2862.904 |
| 39.5 | 2688.448 | 2717.090 | 2766.563 | 2803.016 | 2831.658 |
| 40.0 | 2651.995 | 2683.241 | 2735.317 | 2775.676 | 2801.715 |
| 40.5 | 2618.145 | 2650.693 | 2705.373 | 2747.034 | 2773.072 |
| 41.0 | 2586.899 | 2618.145 | 2674.127 | 2717.090 | 2743.128 |
| 41.5 | 2553.049 | 2585.597 | 2642.881 | 2687.146 | 2714.486 |
| 42.0 | 2519.200 | 2553.049 | 2611.635 | 2658.504 | 2685.844 |
| 42.5 | 2486.652 | 2519.200 | 2579.088 | 2628.560 | 2655.900 |
| 43.0 | 2450.198 | 2486.652 | 2549.144 | 2599.918 | 2627.258 |
| 43.5 | 2418.952 | 2452.802 | 2516.596 | 2569.974 | 2598.616 |
| 44.0 | 2383.801 | 2418.952 | 2484.048 | 2541.332 | 2568.672 |
| 44.5 | 2351.253 | 2386.405 | 2451.500 | 2510.086 | 2538.728 |
| 45.0 | 2317.403 | 2352.555 | 2420.254 | 2482.746 | 2511.388 |
| 45.5 | 2283.554 | 2320.007 | 2389.008 | 2454.104 | 2482.746 |
| 46.0 | 2249.704 | 2286.157 | 2355.159 | 2422.858 | 2452.802 |
| 46.5 | 2215.854 | 2252.308 | 2326.517 | 2396.820 | 2424.160 |
| 47.0 | 2180.703 | 2219.760 | 2293.969 | 2365.574 | 2395.518 |
| 47.5 | 2146.853 | 2185.910 | 2261.421 | 2335.630 | 2365.574 |
| 48.0 | 2114.305 | 2152.060 | 2228.873 | 2308.290 | 2335.630 |
| 48.5 | 2077.851 | 2119.513 | 2198.929 | 2277.044 | 2306.988 |
| 49.0 | 2045.304 | 2084.361 | 2165.080 | 2247.100 | 2277.044 |
| 49.5 | 2011.454 | 2051.813 | 2133.834 | 2218.458 | 2248.402 |
| 50.0 | 1976.302 | 2017.964 | 2102.588 | 2187.212 | 2218.458 |
| 50.5 | 1943.755 | 1985.416 | 2070.040 | 2161.174 | 2191.118 |
| 51.0 | 1909.905 | 1951.566 | 2041.398 | 2131.230 | 2162.476 |
| 51.5 | 1877.357 | 1917.716 | 2008.850 | 2102.588 | 2133.834 |
| 52.0 | 1842.205 | 1885.169 | 1977.604 | 2072.644 | 2105.192 |
| 52.5 | 1808.356 | 1851.319 | 1947.660 | 2042.700 | 2077.851 |
| 53.0 | 1773.204 | 1818.771 | 1916.414 | 2016.662 | 2047.907 |
| 53.5 | 1739.354 | 1786.223 | 1886.470 | 1986.718 | 2020.567 |
| 54.0 | 1706.807 | 1753.675 | 1856.526 | 1958.076 | 1993.227 |
| 54.5 | 1675.561 | 1719.826 | 1826.582 | 1932.037 | 1965.887 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 55.0 | 1643.013 | 1688.580 | 1796.638 | 1902.093 | 1941.151 |
| 55.5 | 1615.673 | 1656.032 | 1766.695 | 1874.753 | 1911.207 |
| 56.0 | 1584.427 | 1627.390 | 1738.052 | 1847.413 | 1883.867 |
| 56.5 | 1551.879 | 1597.446 | 1708.108 | 1820.073 | 1857.828 |
| 57.0 | 1520.633 | 1567.502 | 1679.466 | 1792.733 | 1830.488 |
| 57.5 | 1488.085 | 1536.256 | 1654.730 | 1766.695 | 1800.544 |
| 58.0 | 1455.538 | 1505.010 | 1626.088 | 1738.052 | 1778.412 |
| 58.5 | 1424.292 | 1473.764 | 1597.446 | 1713.316 | 1752.373 |
| 59.0 | 1393.046 | 1442.518 | 1570.106 | 1691.184 | 1725.033 |
| 59.5 | 1361.800 | 1412.574 | 1545.369 | 1663.843 | 1704.203 |
| 60.0 | 1330.554 | 1381.329 | 1518.029 | 1637.805 | 1678.165 |
| 60.5 | 1299.959 | 1351.385 | 1490.689 | 1613.069 | 1652.126 |
| 61.0 | 1269.234 | 1321.441 | 1463.349 | 1588.333 | 1627.390 |
| 61.5 | 1238.769 | 1291.757 | 1436.009 | 1563.596 | 1603.956 |
| 62.0 | 1208.825 | 1262.334 | 1409.971 | 1540.162 | 1579.219 |
| 62.5 | 1179.272 | 1233.171 | 1382.630 | 1516.727 | 1555.785 |
| 63.0 | 1149.328 | 1204.138 | 1356.592 | 1491.991 | 1534.954 |
| 63.5 | 1119.644 | 1175.496 | 1331.856 | 1468.557 | 1511.520 |
| 64.0 | 1090.742 | 1147.245 | 1305.818 | 1443.820 | 1488.085 |
| 64.5 | 1061.970 | 1119.644 | 1281.081 | 1420.386 | 1464.651 |
| 65.0 | 1033.458 | 1091.914 | 1256.215 | 1396.952 | 1442.518 |
| 65.5 | 1005.336 | 1064.834 | 1231.609 | 1373.517 | 1419.084 |
| 66.0 | 976.825 | 1037.754 | 1207.263 | 1350.083 | 1396.952 |
| 66.5 | 948.964 | 1011.325 | 1183.047 | 1327.950 | 1374.819 |
| 67.0 | 921.754 | 985.157 | 1158.962 | 1304.516 | 1352.687 |
| 67.5 | 894.414 | 959.379 | 1135.397 | 1282.644 | 1330.554 |
| 68.0 | 867.464 | 934.252 | 1111.963 | 1260.511 | 1309.723 |
| 68.5 | 840.905 | 909.255 | 1089.049 | 1239.030 | 1287.981 |
| 69.0 | 814.476 | 884.519 | 1066.396 | 1217.418 | 1267.411 |
| 69.5 | 788.438 | 860.303 | 1044.003 | 1196.457 | 1246.971 |
| 70.0 | 762.530 | 836.478 | 1022.001 | 1175.887 | 1226.661 |
| 70.5 | 737.273 | 812.914 | 999.999 | 1155.317 | 1206.612 |
| 71.0 | 712.276 | 789.610 | 978.387 | 1135.007 | 1186.823 |
| 71.5 | 687.540 | 766.826 | 957.296 | 1115.218 | 1167.294 |
| 72.0 | 663.324 | 743.912 | 936.205 | 1095.559 | 1148.286 |
| 72.5 | 638.978 | 721.780 | 915.635 | 1076.291 | 1129.409 |
| 73.0 | 615.284 | 699.778 | 895.195 | 1057.283 | 1110.401 |
| 73.5 | 592.240 | 678.036 | 875.406 | 1038.405 | 1091.914 |
| 74.0 | 569.456 | 656.945 | 855.356 | 1020.178 | 1073.296 |
| 74.5 | 547.063 | 635.724 | 836.218 | 1002.082 | 1055.720 |
| 75.0 | 524.801 | 615.023 | 817.210 | 984.376 | 1038.665 |
| 75.5 | 502.929 | 594.844 | 798.463 | 966.800 | 1021.350 |
| 76.0 | 481.707 | 575.055 | 780.236 | 949.354 | 1004.425 |
| 76.5 | 460.616 | 555.526 | 762.139 | 932.299 | 987.500 |
| 77.0 | 439.786 | 536.127 | 744.303 | 915.374 | 971.096 |
| 77.5 | 419.346 | 517.250 | 726.727 | 898.970 | 954.822 |
| 78.0 | 399.166 | 498.762 | 709.672 | 882.826 | 938.809 |
| 78.5 | 379.377 | 480.536 | 692.747 | 866.553 | 922.925 |
| 79.0 | 359.979 | 462.830 | 676.343 | 850.799 | 907.302 |
| 79.5 | 340.710 | 445.254 | 660.200 | 835.437 | 891.679 |
| 80.0 | 321.702 | 427.938 | 644.056 | 820.205 | 876.838 |
| 80.5 | 303.215 | 411.144 | 628.433 | 804.842 | 861.736 |
| 81.0 | 285.249 | 394.610 | 613.461 | 790.000 | 847.024 |
| 81.5 | 267.022 | 378.466 | 598.489 | 775.289 | 832.312 |
| 82.0 | 249.446 | 362.713 | 583.908 | 761.098 | 818.121 |
| 82.5 | 232.261 | 347.220 | 569.586 | 746.907 | 804.191 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 83.0 | 215.336 | 332.118 | 555.526 | 733.237 | 790.651 |
| 83.5 | 198.542 | 317.406 | 542.116 | 719.306 | 776.590 |
| 84.0 | 182.137 | 303.085 | 529.097 | 706.157 | 763.181 |
| 84.5 | 165.864 | 289.285 | 516.338 | 693.138 | 750.031 |
| 85.0 | 150.241 | 275.875 | 503.840 | 680.249 | 736.882 |
| 85.5 | 134.618 | 263.116 | 491.602 | 667.751 | 724.123 |
| 86.0 | 119.255 | 250.878 | 479.624 | 655.513 | 711.495 |
| 86.5 | 104.023 | 239.422 | 468.298 | 643.275 | 698.866 |
| 87.0 | 89.051 | 228.355 | 456.841 | 631.688 | 686.498 |
| 87.5 | 74.079 | 218.070 | 446.035 | 619.970 | 674.651 |
| 88.0 | 59.237 | 208.046 | 435.359 | 608.644 | 662.673 |
| 88.5 | 44.265 | 198.672 | 425.074 | 597.447 | 651.086 |
| 89.0 | 30.595 | 189.819 | 415.310 | 586.642 | 639.629 |
| 89.5 | 19.398 | 181.617 | 405.806 | 576.226 | 628.433 |
| 90.0 | 11.587 | 174.326 | 397.083 | 566.332 | 618.148 |
| 90.5 | 8.202 | 167.947 | 389.011 | 556.437 | 607.212 |
| 91.0 | 8.723 | 162.088 | 380.809 | 546.412 | 596.796 |
| 91.5 | 10.415 | 156.490 | 372.607 | 536.908 | 586.381 |
| 92.0 | 12.368 | 151.803 | 364.796 | 527.274 | 576.226 |
| 92.5 | 14.451 | 147.767 | 358.156 | 518.031 | 566.202 |
| 93.0 | 16.534 | 144.252 | 351.256 | 509.308 | 556.567 |
| 93.5 | 18.748 | 141.518 | 344.746 | 500.715 | 547.454 |
| 94.0 | 21.091 | 139.174 | 338.627 | 492.643 | 538.601 |
| 94.5 | 23.304 | 137.482 | 332.899 | 484.441 | 529.488 |
| 95.0 | 25.517 | 136.180 | 327.561 | 476.370 | 520.765 |
| 95.5 | 27.601 | 135.269 | 322.614 | 468.688 | 512.172 |
| 96.0 | 29.293 | 134.878 | 318.317 | 461.267 | 503.710 |
| 96.5 | 30.986 | 134.878 | 314.021 | 454.367 | 495.898 |
| 97.0 | 32.548 | 135.008 | 310.115 | 447.728 | 488.087 |
| 97.5 | 34.240 | 135.529 | 306.470 | 441.348 | 480.926 |
| 98.0 | 35.672 | 136.050 | 303.215 | 435.099 | 473.636 |
| 98.5 | 37.365 | 136.701 | 300.481 | 429.110 | 466.866 |
| 99.0 | 39.057 | 137.482 | 297.617 | 423.512 | 460.226 |
| 99.5 | 40.880 | 138.393 | 295.143 | 418.174 | 453.716 |
| 100.0 | 42.442 | 139.305 | 293.191 | 413.227 | 447.858 |
| 100.5 | 44.265 | 140.346 | 291.238 | 408.410 | 441.869 |
| 101.0 | 45.827 | 141.388 | 289.806 | 403.853 | 436.531 |
| 101.5 | 47.390 | 142.429 | 288.373 | 399.557 | 431.063 |
| 102.0 | 48.822 | 143.471 | 287.332 | 395.521 | 426.246 |
| 102.5 | 50.254 | 144.512 | 286.290 | 391.745 | 421.429 |
| 103.0 | 51.686 | 145.684 | 285.509 | 387.970 | 417.133 |
| 103.5 | 53.248 | 146.856 | 284.858 | 384.715 | 412.706 |
| 104.0 | 54.941 | 147.897 | 284.207 | 381.721 | 408.670 |
| 104.5 | 56.633 | 149.069 | 283.817 | 378.856 | 404.895 |
| 105.0 | 58.195 | 150.241 | 283.426 | 376.253 | 401.249 |
| 105.5 | 59.628 | 151.282 | 283.036 | 373.519 | 398.125 |
| 106.0 | 61.320 | 152.584 | 282.905 | 371.175 | 395.000 |
| 106.5 | 62.882 | 153.756 | 282.905 | 368.962 | 391.875 |
| 107.0 | 64.445 | 155.058 | 282.905 | 366.879 | 389.272 |
| 107.5 | 65.877 | 156.099 | 282.905 | 365.316 | 386.538 |
| 108.0 | 67.699 | 157.401 | 282.905 | 363.494 | 383.804 |
| 108.5 | 69.392 | 158.703 | 283.036 | 362.192 | 381.981 |
| 109.0 | 71.084 | 159.745 | 283.296 | 360.499 | 380.158 |
| 109.5 | 72.907 | 160.916 | 283.426 | 359.328 | 378.205 |
| 110.0 | 74.730 | 162.088 | 283.687 | 358.026 | 376.643 |
| 110.5 | 76.552 | 163.260 | 283.947 | 356.854 | 375.211 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 111.0 | 78.375 | 164.431 | 284.077 | 355.813 | 373.649 |
| 111.5 | 80.198 | 165.473 | 284.207 | 355.031 | 372.347 |
| 112.0 | 82.151 | 166.645 | 284.468 | 354.250 | 370.785 |
| 112.5 | 84.104 | 167.816 | 284.728 | 353.339 | 369.352 |
| 113.0 | 86.187 | 168.988 | 285.119 | 352.688 | 368.701 |
| 113.5 | 88.139 | 170.030 | 285.119 | 352.037 | 367.790 |
| 114.0 | 90.222 | 171.071 | 285.379 | 351.516 | 366.879 |
| 114.5 | 92.175 | 172.243 | 285.639 | 350.865 | 366.098 |
| 115.0 | 94.258 | 173.154 | 285.900 | 350.475 | 365.447 |
| 115.5 | 96.341 | 174.326 | 285.900 | 350.084 | 364.796 |
| 116.0 | 98.294 | 175.368 | 286.290 | 349.563 | 364.015 |
| 116.5 | 100.117 | 176.409 | 286.551 | 349.043 | 363.754 |
| 117.0 | 102.200 | 177.581 | 286.811 | 349.043 | 363.103 |
| 117.5 | 104.153 | 178.492 | 287.072 | 348.522 | 362.713 |
| 118.0 | 105.845 | 179.403 | 287.332 | 348.261 | 362.192 |
| 118.5 | 107.798 | 180.315 | 287.462 | 347.871 | 362.062 |
| 119.0 | 109.491 | 181.226 | 287.723 | 347.480 | 361.281 |
| 119.5 | 111.313 | 181.877 | 287.983 | 347.090 | 361.150 |
| 120.0 | 113.006 | 182.528 | 287.853 | 346.829 | 360.499 |
| 120.5 | 114.698 | 183.309 | 287.983 | 346.309 | 360.369 |
| 121.0 | 116.391 | 183.830 | 288.243 | 345.918 | 359.848 |
| 121.5 | 118.214 | 184.481 | 288.113 | 345.397 | 359.588 |
| 122.0 | 119.906 | 185.262 | 288.113 | 345.137 | 359.198 |
| 122.5 | 121.599 | 186.043 | 288.243 | 344.616 | 358.286 |
| 123.0 | 123.291 | 186.824 | 288.113 | 344.095 | 358.156 |
| 123.5 | 124.853 | 187.475 | 287.853 | 343.705 | 357.375 |
| 124.0 | 126.155 | 187.996 | 287.853 | 343.314 | 357.245 |
| 124.5 | 127.457 | 188.517 | 287.853 | 342.663 | 356.724 |
| 125.0 | 128.759 | 189.168 | 287.592 | 342.012 | 356.203 |
| 125.5 | 130.061 | 189.558 | 287.332 | 341.622 | 355.552 |
| 126.0 | 131.233 | 190.079 | 287.202 | 340.841 | 355.031 |
| 126.5 | 132.274 | 190.730 | 286.941 | 340.320 | 354.641 |
| 127.0 | 133.446 | 190.990 | 286.681 | 339.669 | 354.120 |
| 127.5 | 134.357 | 191.381 | 286.290 | 339.018 | 353.209 |
| 128.0 | 135.529 | 191.381 | 286.160 | 338.237 | 352.688 |
| 128.5 | 136.440 | 191.641 | 285.639 | 337.586 | 352.167 |
| 129.0 | 137.352 | 191.902 | 285.119 | 336.935 | 351.516 |
| 129.5 | 138.133 | 192.292 | 284.207 | 335.893 | 350.735 |
| 130.0 | 138.784 | 192.553 | 283.296 | 335.242 | 349.954 |
| 130.5 | 139.435 | 192.813 | 282.255 | 334.461 | 349.043 |
| 131.0 | 139.825 | 193.204 | 281.213 | 333.289 | 348.131 |
| 131.5 | 140.346 | 193.594 | 280.171 | 332.248 | 347.220 |
| 132.0 | 140.867 | 193.985 | 279.000 | 331.597 | 346.439 |
| 132.5 | 141.127 | 194.115 | 277.698 | 330.295 | 345.267 |
| 133.0 | 141.518 | 194.245 | 277.177 | 329.123 | 343.835 |
| 133.5 | 141.648 | 194.115 | 276.396 | 328.212 | 343.184 |
| 134.0 | 141.778 | 193.855 | 275.875 | 327.170 | 342.273 |
| 134.5 | 142.169 | 193.334 | 275.224 | 325.999 | 340.580 |
| 135.0 | 142.559 | 192.943 | 274.443 | 324.436 | 339.278 |
| 135.5 | 142.429 | 191.902 | 273.792 | 323.395 | 338.237 |
| 136.0 | 142.690 | 191.772 | 272.881 | 322.093 | 336.935 |
| 136.5 | 142.950 | 191.381 | 272.230 | 320.661 | 335.633 |
| 137.0 | 143.080 | 190.730 | 271.188 | 319.489 | 334.201 |
| 137.5 | 143.210 | 190.079 | 270.277 | 317.927 | 332.899 |
| 138.0 | 143.471 | 189.689 | 268.975 | 316.625 | 331.337 |
| 138.5 | 143.471 | 189.168 | 267.283 | 315.193 | 330.165 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L130-840-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 139.0 | 143.341 | 188.777 | 265.330 | 313.500 | 328.342 |
| 139.5 | 143.341 | 188.256 | 262.986 | 311.678 | 327.040 |
| 140.0 | 143.341 | 187.606 | 260.382 | 309.985 | 325.218 |
| 140.5 | 143.341 | 187.215 | 258.039 | 307.902 | 323.265 |
| 141.0 | 143.341 | 186.955 | 255.435 | 305.689 | 321.702 |
| 141.5 | 143.341 | 186.434 | 252.831 | 303.736 | 320.140 |
| 142.0 | 143.210 | 186.173 | 250.358 | 301.262 | 318.448 |
| 142.5 | 143.080 | 185.783 | 247.754 | 299.049 | 316.495 |
| 143.0 | 142.950 | 185.392 | 245.280 | 296.966 | 314.542 |
| 143.5 | 142.950 | 184.871 | 242.416 | 294.753 | 312.719 |
| 144.0 | 142.950 | 184.221 | 239.942 | 293.060 | 310.636 |
| 144.5 | 143.341 | 183.700 | 237.469 | 291.108 | 308.814 |
| 145.0 | 143.861 | 183.179 | 234.735 | 289.415 | 306.730 |
| 145.5 | 144.773 | 182.528 | 232.261 | 287.723 | 304.647 |
| 146.0 | 145.944 | 182.007 | 229.918 | 285.900 | 302.695 |
| 146.5 | 147.116 | 181.487 | 227.965 | 283.947 | 300.481 |
| 147.0 | 148.288 | 180.836 | 225.752 | 281.994 | 298.268 |
| 147.5 | 149.329 | 180.575 | 224.059 | 280.041 | 296.055 |
| 148.0 | 150.501 | 180.054 | 222.236 | 277.828 | 293.711 |
| 148.5 | 151.543 | 179.924 | 220.804 | 275.745 | 291.368 |
| 149.0 | 152.844 | 179.924 | 219.242 | 273.662 | 289.285 |
| 149.5 | 153.756 | 180.315 | 217.810 | 271.449 | 286.681 |
| 150.0 | 154.797 | 180.575 | 216.378 | 269.366 | 283.947 |
| 150.5 | 155.709 | 180.705 | 214.815 | 267.022 | 281.083 |
| 151.0 | 156.360 | 181.096 | 212.732 | 264.679 | 277.698 |
| 151.5 | 157.011 | 181.226 | 210.519 | 262.205 | 274.573 |
| 152.0 | 157.792 | 181.487 | 208.436 | 259.601 | 271.449 |
| 152.5 | 158.573 | 181.747 | 206.483 | 256.867 | 268.064 |
| 153.0 | 159.094 | 181.877 | 204.400 | 253.743 | 265.330 |
| 153.5 | 159.745 | 182.268 | 202.187 | 250.488 | 262.205 |
| 154.0 | 160.265 | 182.137 | 200.234 | 246.843 | 259.601 |
| 154.5 | 160.916 | 182.268 | 198.542 | 243.327 | 256.997 |
| 155.0 | 161.177 | 182.528 | 196.849 | 239.291 | 255.045 |
| 155.5 | 161.697 | 182.658 | 195.157 | 235.516 | 252.961 |
| 156.0 | 162.088 | 182.658 | 193.985 | 231.480 | 251.139 |
| 156.5 | 162.739 | 182.658 | 192.813 | 227.444 | 248.795 |
| 157.0 | 162.999 | 182.919 | 191.641 | 223.799 | 246.582 |
| 157.5 | 163.390 | 182.919 | 190.860 | 220.284 | 244.108 |
| 158.0 | 163.911 | 182.788 | 190.470 | 216.638 | 241.765 |
| 158.5 | 164.041 | 182.788 | 189.949 | 213.644 | 239.031 |
| 159.0 | 164.692 | 182.398 | 189.558 | 210.780 | 236.688 |
| 159.5 | 165.213 | 182.137 | 188.907 | 208.046 | 234.084 |
| 160.0 | 165.864 | 181.877 | 188.256 | 205.832 | 231.480 |
| 160.5 | 166.645 | 181.747 | 187.736 | 203.749 | 229.006 |
| 161.0 | 167.165 | 181.356 | 187.606 | 201.536 | 226.533 |
| 161.5 | 167.947 | 181.226 | 187.345 | 199.323 | 224.710 |
| 162.0 | 168.598 | 180.966 | 187.736 | 197.500 | 223.148 |
| 162.5 | 169.249 | 180.966 | 187.996 | 195.547 | 221.325 |
| 163.0 | 170.030 | 180.836 | 188.126 | 193.464 | 219.763 |
| 163.5 | 170.681 | 180.836 | 188.387 | 191.251 | 217.810 |
| 164.0 | 170.941 | 180.836 | 188.647 | 188.517 | 215.987 |
| 164.5 | 171.332 | 180.575 | 188.387 | 186.434 | 213.644 |
| 165.0 | 171.722 | 180.575 | 187.996 | 184.351 | 211.300 |
| 165.5 | 172.113 | 180.445 | 187.606 | 182.919 | 208.827 |
| 166.0 | 172.503 | 180.315 | 187.345 | 181.356 | 205.051 |
| 166.5 | 172.894 | 180.315 | 186.955 | 180.054 | 203.228 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L130-840-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 167.0 | 173.415 | 180.315 | 186.564 | 178.883 | 201.796 |
| 167.5 | 173.675 | 180.315 | 185.783 | 177.841 | 200.364 |
| 168.0 | 174.066 | 180.315 | 185.132 | 176.800 | 199.193 |
| 168.5 | 174.847 | 179.794 | 184.221 | 175.888 | 197.760 |
| 169.0 | 175.237 | 179.924 | 183.570 | 174.977 | 196.328 |
| 169.5 | 175.888 | 179.534 | 182.528 | 173.935 | 194.766 |
| 170.0 | 176.149 | 179.403 | 181.617 | 172.634 | 193.334 |
| 170.5 | 176.539 | 179.143 | 180.445 | 171.201 | 191.772 |
| 171.0 | 176.800 | 178.883 | 179.143 | 169.639 | 189.819 |
| 171.5 | 177.190 | 178.883 | 177.971 | 168.207 | 188.256 |
| 172.0 | 177.841 | 178.622 | 177.320 | 166.775 | 185.913 |
| 172.5 | 178.232 | 178.622 | 176.539 | 165.213 | 183.309 |
| 173.0 | 178.753 | 178.362 | 175.888 | 163.781 | 178.883 |
| 173.5 | 179.403 | 178.492 | 175.628 | 162.348 | 172.243 |
| 174.0 | 179.924 | 178.492 | 175.498 | 161.177 | 164.041 |
| 174.5 | 180.315 | 178.492 | 175.237 | 160.005 | 154.277 |
| 175.0 | 181.096 | 178.883 | 175.107 | 159.094 | 143.210 |
| 175.5 | 181.356 | 179.013 | 174.977 | 158.703 | 131.623 |
| 176.0 | 181.877 | 179.273 | 174.977 | 158.312 | 124.072 |
| 176.5 | 182.007 | 179.403 | 174.847 | 158.312 | 118.734 |
| 177.0 | 182.528 | 179.664 | 174.586 | 157.922 | 113.266 |
| 177.5 | 182.658 | 179.664 | 174.196 | 157.792 | 112.095 |
| 178.0 | 183.179 | 179.924 | 174.066 | 157.662 | 112.355 |
| 178.5 | 183.439 | 180.054 | 174.196 | 157.401 | 112.615 |
| 179.0 | 183.700 | 180.054 | 174.066 | 157.011 | 112.746 |
| 179.5 | 183.960 | 180.054 | 173.935 | 156.880 | 112.876 |
| 180.0 | 164.952 | 164.952 | 164.952 | 164.952 | 164.952 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L130-840-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|----------|-------|--------|
| 0-20 | 1490.53 | N.A. | 11.70 |
| 0-30 | 3123.15 | N.A. | 24.50 |
| 0-40 | 5016.92 | N.A. | 39.40 |
| 0-60 | 8490.48 | N.A. | 66.70 |
| 0-80 | 10577.62 | N.A. | 83.10 |
| 0-90 | 11102.53 | N.A. | 87.30 |
| 10-90 | 10713.94 | N.A. | 84.20 |
| 20-40 | 3526.39 | N.A. | 27.70 |
| 20-50 | 5391.28 | N.A. | 42.40 |
| 40-70 | 4710.9 | N.A. | 37.00 |
| 60-80 | 2087.14 | N.A. | 16.40 |
| 70-80 | 849.81 | N.A. | 6.70 |
| 80-90 | 524.91 | N.A. | 4.10 |
| 90-110 | 613.10 | N.A. | 4.80 |
| 90-120 | 871.21 | N.A. | 6.80 |
| 90-130 | 1108.76 | N.A. | 8.70 |
| 90-150 | 1455.6 | N.A. | 11.40 |
| 90-180 | 1621.4 | N.A. | 12.70 |
| 110-180 | 1008.3 | N.A. | 7.90 |
| 0-180 | 12723.93 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 388.59 |
| 10-20 | 1101.94 |
| 20-30 | 1632.63 |
| 30-40 | 1893.76 |
| 40-50 | 1864.89 |
| 50-60 | 1608.67 |
| 60-70 | 1237.33 |
| 70-80 | 849.81 |
| 80-90 | 524.91 |
| 90-100 | 336.31 |
| 100-110 | 276.79 |
| 110-120 | 258.11 |
| 120-130 | 237.55 |
| 130-140 | 199.62 |
| 140-150 | 147.22 |
| 150-160 | 96.25 |
| 160-170 | 53.03 |
| 170-180 | 16.52 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L130-840-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-L130-840-DIM-UNV_.IES

UGR TABLE - CORRECTED

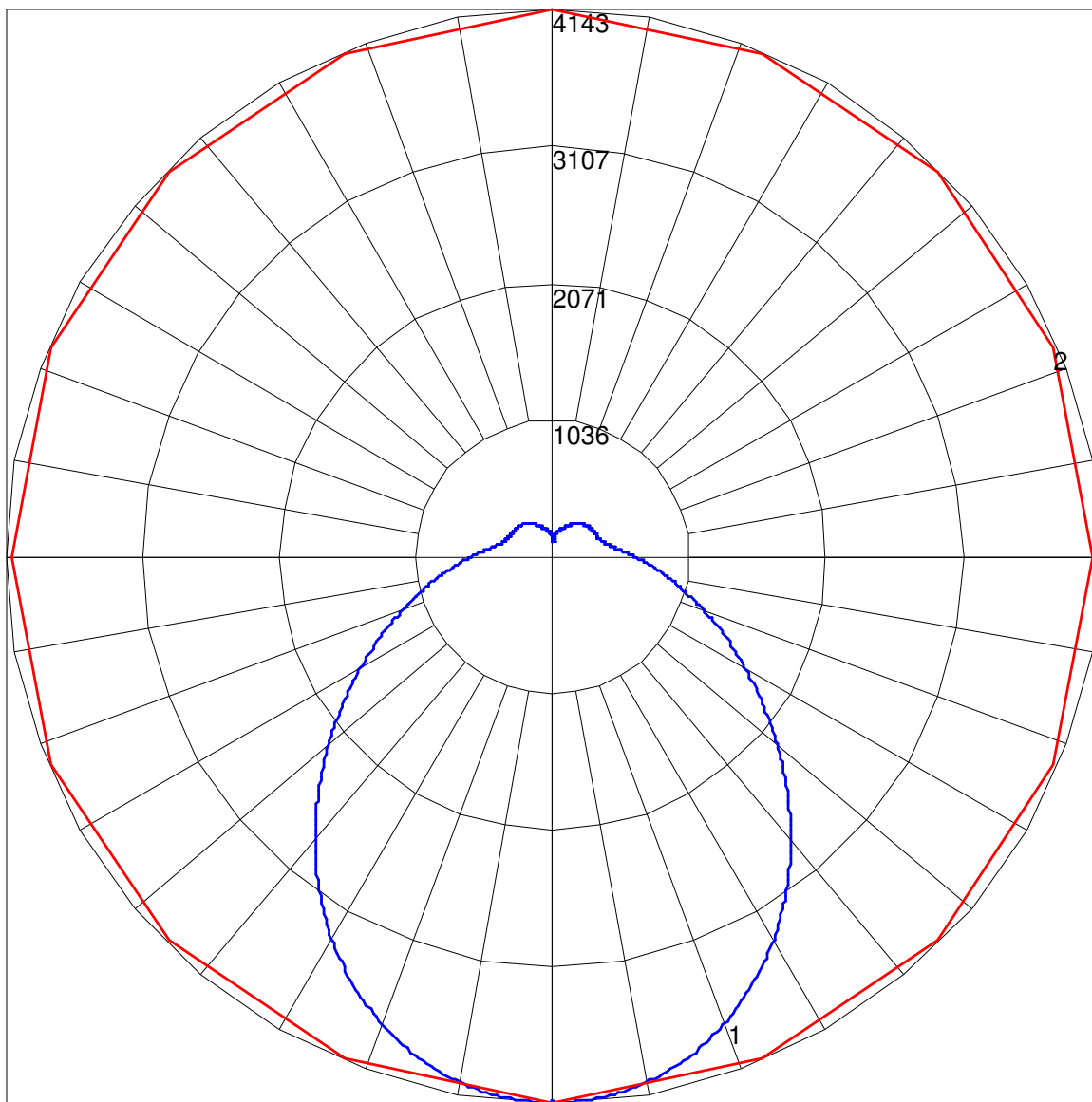
Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 18.2 | 19.6 | 18.7 | 20.1 | 20.7 | 19.9 | 21.3 | 20.5 | 21.8 | 22.4 |
| | 3H | 19.6 | 20.8 | 20.1 | 21.4 | 22.0 | 22.1 | 23.4 | 22.7 | 23.9 | 24.6 |
| | 4H | 20.0 | 21.2 | 20.6 | 21.7 | 22.4 | 23.2 | 24.4 | 23.8 | 24.9 | 25.6 |
| | 6H | 20.3 | 21.4 | 20.9 | 22.0 | 22.7 | 24.3 | 25.4 | 24.9 | 26.0 | 26.7 |
| | 8H | 20.4 | 21.4 | 21.0 | 22.0 | 22.7 | 24.9 | 26.0 | 25.6 | 26.6 | 27.3 |
| | 12H | 20.4 | 21.4 | 21.0 | 22.0 | 22.7 | 25.7 | 26.6 | 26.3 | 27.3 | 28.0 |
| 4H | 2H | 18.9 | 20.1 | 19.5 | 20.7 | 21.4 | 20.3 | 21.5 | 20.9 | 22.1 | 22.7 |
| | 3H | 20.5 | 21.5 | 21.1 | 22.1 | 22.8 | 22.8 | 23.7 | 23.4 | 24.4 | 25.1 |
| | 4H | 21.1 | 22.0 | 21.7 | 22.6 | 23.4 | 24.0 | 24.9 | 24.6 | 25.5 | 26.3 |
| | 6H | 21.5 | 22.3 | 22.2 | 23.0 | 23.7 | 25.4 | 26.1 | 26.0 | 26.8 | 27.5 |
| | 8H | 21.6 | 22.4 | 22.3 | 23.0 | 23.8 | 26.1 | 26.8 | 26.7 | 27.5 | 28.2 |
| | 12H | 21.7 | 22.4 | 22.4 | 23.1 | 23.8 | 26.9 | 27.6 | 27.6 | 28.3 | 29.0 |
| 8H | 4H | 21.7 | 22.4 | 22.3 | 23.1 | 23.8 | 24.2 | 24.9 | 24.9 | 25.6 | 26.4 |
| | 6H | 22.3 | 22.9 | 22.9 | 23.6 | 24.3 | 25.7 | 26.4 | 26.4 | 27.1 | 27.8 |
| | 8H | 22.5 | 23.0 | 23.2 | 23.7 | 24.5 | 26.6 | 27.2 | 27.3 | 27.9 | 28.6 |
| | 12H | 22.6 | 23.1 | 23.3 | 23.8 | 24.6 | 27.6 | 28.1 | 28.3 | 28.8 | 29.6 |
| 12H | 4H | 21.9 | 22.5 | 22.5 | 23.2 | 24.0 | 24.2 | 24.9 | 24.9 | 25.6 | 26.3 |
| | 6H | 22.5 | 23.1 | 23.2 | 23.8 | 24.6 | 25.8 | 26.3 | 26.5 | 27.0 | 27.8 |
| | 8H | 22.8 | 23.3 | 23.5 | 24.0 | 24.8 | 26.7 | 27.2 | 27.4 | 27.9 | 28.7 |

Maximum UGR = 29.6

POLAR GRAPH



Maximum Candela = 4142.684 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.)