

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L170-830-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-L170-830-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 | 16035 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 143 |
| 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 | 17737 | 15818 | 15558 |
| 55 | 15430 | 13572 | 13658 |
| 65 | 13069 | 11662 | 12173 |
| 75 | 10653 | 10241 | 11378 |
| 85 | 8366 | 10190 | 12021 |

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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 | 5189.686 | 5189.686 | 5189.686 | 5189.686 | 5189.686 |
| 0.5 | 5165.075 | 5184.764 | 5188.045 | 5186.405 | 5220.860 |
| 1.0 | 5165.075 | 5186.405 | 5186.405 | 5184.764 | 5219.219 |
| 1.5 | 5160.153 | 5186.405 | 5184.764 | 5183.123 | 5220.860 |
| 2.0 | 5158.512 | 5181.482 | 5184.764 | 5181.482 | 5215.938 |
| 2.5 | 5158.512 | 5181.482 | 5179.842 | 5179.842 | 5212.656 |
| 3.0 | 5153.590 | 5176.560 | 5176.560 | 5176.560 | 5209.375 |
| 3.5 | 5150.308 | 5171.638 | 5171.638 | 5173.279 | 5206.093 |
| 4.0 | 5147.027 | 5168.356 | 5168.356 | 5166.716 | 5202.812 |
| 4.5 | 5138.823 | 5163.434 | 5165.075 | 5163.434 | 5197.890 |
| 5.0 | 5133.901 | 5158.512 | 5158.512 | 5158.512 | 5192.967 |
| 5.5 | 5127.338 | 5151.949 | 5151.949 | 5153.590 | 5186.405 |
| 6.0 | 5124.056 | 5143.745 | 5145.386 | 5145.386 | 5179.842 |
| 6.5 | 5112.571 | 5137.182 | 5138.823 | 5138.823 | 5171.638 |
| 7.0 | 5106.008 | 5128.978 | 5130.619 | 5128.978 | 5165.075 |
| 7.5 | 5099.445 | 5119.134 | 5122.415 | 5122.415 | 5156.871 |
| 8.0 | 5091.241 | 5112.571 | 5112.571 | 5112.571 | 5145.386 |
| 8.5 | 5083.037 | 5101.086 | 5104.367 | 5104.367 | 5135.541 |
| 9.0 | 5069.911 | 5092.882 | 5094.523 | 5092.882 | 5124.056 |
| 9.5 | 5061.708 | 5081.397 | 5081.397 | 5081.397 | 5117.493 |
| 10.0 | 5048.582 | 5068.271 | 5068.271 | 5071.552 | 5104.367 |
| 10.5 | 5037.096 | 5056.785 | 5058.426 | 5058.426 | 5092.882 |
| 11.0 | 5025.611 | 5045.300 | 5046.941 | 5045.300 | 5079.756 |
| 11.5 | 5010.844 | 5032.174 | 5035.456 | 5032.174 | 5068.271 |
| 12.0 | 4997.718 | 5017.407 | 5020.689 | 5020.689 | 5053.504 |
| 12.5 | 4984.592 | 5002.641 | 5007.563 | 5004.281 | 5040.378 |
| 13.0 | 4969.826 | 4989.515 | 4992.796 | 4991.155 | 5025.611 |
| 13.5 | 4955.059 | 4973.107 | 4976.389 | 4976.389 | 5012.485 |
| 14.0 | 4937.011 | 4956.700 | 4959.981 | 4959.981 | 4994.437 |
| 14.5 | 4922.244 | 4940.292 | 4943.574 | 4943.574 | 4981.311 |
| 15.0 | 4907.477 | 4923.885 | 4925.526 | 4925.526 | 4961.622 |
| 15.5 | 4889.429 | 4904.196 | 4909.118 | 4909.118 | 4941.933 |
| 16.0 | 4869.740 | 4886.148 | 4891.070 | 4891.070 | 4925.526 |
| 16.5 | 4853.333 | 4866.459 | 4871.381 | 4873.022 | 4907.477 |
| 17.0 | 4830.362 | 4845.129 | 4851.692 | 4853.333 | 4887.788 |
| 17.5 | 4810.673 | 4825.440 | 4832.003 | 4833.644 | 4868.099 |
| 18.0 | 4792.625 | 4805.751 | 4810.673 | 4815.595 | 4850.051 |
| 18.5 | 4771.295 | 4786.062 | 4790.984 | 4794.266 | 4828.721 |
| 19.0 | 4749.966 | 4761.451 | 4769.655 | 4772.936 | 4805.751 |
| 19.5 | 4725.354 | 4741.762 | 4748.325 | 4754.888 | 4784.421 |
| 20.0 | 4699.102 | 4717.151 | 4725.354 | 4730.277 | 4761.451 |
| 20.5 | 4672.850 | 4695.821 | 4702.384 | 4708.947 | 4740.121 |
| 21.0 | 4651.521 | 4669.569 | 4674.491 | 4687.617 | 4717.151 |
| 21.5 | 4626.909 | 4644.958 | 4653.161 | 4659.724 | 4692.539 |
| 22.0 | 4600.657 | 4621.987 | 4630.191 | 4636.754 | 4671.210 |
| 22.5 | 4577.687 | 4592.454 | 4603.939 | 4613.783 | 4646.598 |
| 23.0 | 4549.794 | 4566.202 | 4577.687 | 4587.531 | 4620.346 |
| 23.5 | 4520.261 | 4538.309 | 4553.076 | 4562.920 | 4595.735 |
| 24.0 | 4490.727 | 4510.416 | 4525.183 | 4536.668 | 4569.483 |
| 24.5 | 4466.116 | 4482.524 | 4498.931 | 4508.776 | 4539.950 |
| 25.0 | 4438.223 | 4454.631 | 4472.679 | 4482.524 | 4513.698 |
| 25.5 | 4407.049 | 4426.738 | 4441.505 | 4456.272 | 4482.524 |
| 26.0 | 4377.516 | 4395.564 | 4415.253 | 4428.379 | 4457.912 |
| 26.5 | 4346.342 | 4364.390 | 4387.360 | 4398.845 | 4430.020 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 27.0 | 4315.167 | 4331.575 | 4359.467 | 4374.234 | 4402.127 |
| 27.5 | 4279.071 | 4300.401 | 4328.293 | 4341.419 | 4374.234 |
| 28.0 | 4252.819 | 4269.226 | 4297.119 | 4311.886 | 4343.060 |
| 28.5 | 4218.363 | 4238.052 | 4265.945 | 4280.712 | 4311.886 |
| 29.0 | 4185.548 | 4205.237 | 4233.130 | 4251.178 | 4282.352 |
| 29.5 | 4151.093 | 4170.781 | 4200.315 | 4218.363 | 4249.537 |
| 30.0 | 4116.637 | 4137.967 | 4167.500 | 4190.470 | 4221.645 |
| 30.5 | 4080.540 | 4101.870 | 4136.326 | 4159.296 | 4188.830 |
| 31.0 | 4046.085 | 4067.414 | 4101.870 | 4126.481 | 4154.374 |
| 31.5 | 4009.988 | 4034.599 | 4069.055 | 4095.307 | 4124.841 |
| 32.0 | 3975.532 | 3996.862 | 4036.240 | 4060.851 | 4090.385 |
| 32.5 | 3937.795 | 3960.766 | 4001.784 | 4028.036 | 4057.570 |
| 33.0 | 3901.699 | 3926.310 | 3964.047 | 3995.221 | 4024.755 |
| 33.5 | 3867.243 | 3890.214 | 3931.232 | 3959.125 | 3990.299 |
| 34.0 | 3826.224 | 3852.476 | 3895.136 | 3926.310 | 3959.125 |
| 34.5 | 3788.487 | 3816.380 | 3860.680 | 3890.214 | 3923.029 |
| 35.0 | 3754.031 | 3777.002 | 3826.224 | 3857.399 | 3888.573 |
| 35.5 | 3709.731 | 3740.905 | 3788.487 | 3821.302 | 3852.476 |
| 36.0 | 3675.276 | 3701.528 | 3752.391 | 3785.206 | 3818.021 |
| 36.5 | 3632.616 | 3662.150 | 3714.654 | 3750.750 | 3785.206 |
| 37.0 | 3593.238 | 3624.412 | 3676.916 | 3713.013 | 3750.750 |
| 37.5 | 3552.219 | 3583.394 | 3640.820 | 3680.198 | 3713.013 |
| 38.0 | 3511.201 | 3544.016 | 3601.442 | 3642.461 | 3673.635 |
| 38.5 | 3468.541 | 3502.997 | 3563.705 | 3608.005 | 3637.538 |
| 39.0 | 3430.804 | 3461.978 | 3524.327 | 3570.268 | 3608.005 |
| 39.5 | 3388.145 | 3424.241 | 3486.590 | 3532.530 | 3568.627 |
| 40.0 | 3342.204 | 3381.582 | 3447.212 | 3498.075 | 3530.890 |
| 40.5 | 3299.544 | 3340.563 | 3409.474 | 3461.978 | 3494.793 |
| 41.0 | 3260.166 | 3299.544 | 3370.096 | 3424.241 | 3457.056 |
| 41.5 | 3217.507 | 3258.526 | 3330.718 | 3386.504 | 3420.960 |
| 42.0 | 3174.847 | 3217.507 | 3291.341 | 3350.407 | 3384.863 |
| 42.5 | 3133.829 | 3174.847 | 3250.322 | 3312.670 | 3347.126 |
| 43.0 | 3087.888 | 3133.829 | 3212.585 | 3276.574 | 3311.030 |
| 43.5 | 3048.510 | 3091.169 | 3171.566 | 3238.837 | 3274.933 |
| 44.0 | 3004.210 | 3048.510 | 3130.547 | 3202.740 | 3237.196 |
| 44.5 | 2963.191 | 3007.491 | 3089.529 | 3163.362 | 3199.459 |
| 45.0 | 2920.531 | 2964.832 | 3050.151 | 3128.906 | 3165.003 |
| 45.5 | 2877.872 | 2923.813 | 3010.773 | 3092.810 | 3128.906 |
| 46.0 | 2835.213 | 2881.154 | 2968.113 | 3053.432 | 3091.169 |
| 46.5 | 2792.553 | 2838.494 | 2932.017 | 3020.617 | 3055.073 |
| 47.0 | 2748.253 | 2797.475 | 2890.998 | 2981.239 | 3018.976 |
| 47.5 | 2705.593 | 2754.816 | 2849.979 | 2943.502 | 2981.239 |
| 48.0 | 2664.575 | 2712.156 | 2808.961 | 2909.046 | 2943.502 |
| 48.5 | 2618.634 | 2671.138 | 2771.223 | 2869.668 | 2907.405 |
| 49.0 | 2577.615 | 2626.838 | 2728.564 | 2831.931 | 2869.668 |
| 49.5 | 2534.956 | 2585.819 | 2689.186 | 2795.835 | 2833.572 |
| 50.0 | 2490.656 | 2543.159 | 2649.808 | 2756.457 | 2795.835 |
| 50.5 | 2449.637 | 2502.141 | 2608.789 | 2723.642 | 2761.379 |
| 51.0 | 2406.977 | 2459.481 | 2572.693 | 2685.905 | 2725.282 |
| 51.5 | 2365.959 | 2416.822 | 2531.674 | 2649.808 | 2689.186 |
| 52.0 | 2321.658 | 2375.803 | 2492.296 | 2612.071 | 2653.090 |
| 52.5 | 2278.999 | 2333.144 | 2454.559 | 2574.334 | 2618.634 |
| 53.0 | 2234.699 | 2292.125 | 2415.181 | 2541.519 | 2580.897 |
| 53.5 | 2192.039 | 2251.106 | 2377.444 | 2503.781 | 2546.441 |
| 54.0 | 2151.021 | 2210.088 | 2339.707 | 2467.685 | 2511.985 |
| 54.5 | 2111.643 | 2167.428 | 2301.969 | 2434.870 | 2477.530 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 55.0 | 2070.624 | 2128.050 | 2264.232 | 2397.133 | 2446.355 |
| 55.5 | 2036.168 | 2087.031 | 2226.495 | 2362.677 | 2408.618 |
| 56.0 | 1996.790 | 2050.935 | 2190.399 | 2328.221 | 2374.162 |
| 56.5 | 1955.772 | 2013.198 | 2152.661 | 2293.766 | 2341.347 |
| 57.0 | 1916.394 | 1975.461 | 2116.565 | 2259.310 | 2306.892 |
| 57.5 | 1875.375 | 1936.083 | 2085.391 | 2226.495 | 2269.155 |
| 58.0 | 1834.356 | 1896.705 | 2049.294 | 2190.399 | 2241.262 |
| 58.5 | 1794.978 | 1857.327 | 2013.198 | 2159.224 | 2208.447 |
| 59.0 | 1755.600 | 1817.949 | 1978.742 | 2131.332 | 2173.991 |
| 59.5 | 1716.222 | 1780.212 | 1947.568 | 2096.876 | 2147.739 |
| 60.0 | 1676.844 | 1740.834 | 1913.112 | 2064.061 | 2114.924 |
| 60.5 | 1638.287 | 1703.096 | 1878.656 | 2032.887 | 2082.109 |
| 61.0 | 1599.565 | 1665.359 | 1844.201 | 2001.713 | 2050.935 |
| 61.5 | 1561.172 | 1627.950 | 1809.745 | 1970.538 | 2021.402 |
| 62.0 | 1523.435 | 1590.869 | 1776.930 | 1941.005 | 1990.227 |
| 62.5 | 1486.190 | 1554.117 | 1742.474 | 1911.471 | 1960.694 |
| 63.0 | 1448.452 | 1517.528 | 1709.659 | 1880.297 | 1934.442 |
| 63.5 | 1411.043 | 1481.431 | 1678.485 | 1850.764 | 1904.908 |
| 64.0 | 1374.619 | 1445.827 | 1645.670 | 1819.590 | 1875.375 |
| 64.5 | 1338.358 | 1411.043 | 1614.496 | 1790.056 | 1845.842 |
| 65.0 | 1302.426 | 1376.095 | 1583.158 | 1760.523 | 1817.949 |
| 65.5 | 1266.986 | 1341.968 | 1552.148 | 1730.989 | 1788.415 |
| 66.0 | 1231.053 | 1307.840 | 1521.466 | 1701.456 | 1760.523 |
| 66.5 | 1195.941 | 1274.533 | 1490.948 | 1673.563 | 1732.630 |
| 67.0 | 1161.650 | 1241.554 | 1460.594 | 1644.030 | 1704.737 |
| 67.5 | 1127.194 | 1209.067 | 1430.896 | 1616.465 | 1676.844 |
| 68.0 | 1093.230 | 1177.401 | 1401.363 | 1588.572 | 1650.593 |
| 68.5 | 1059.759 | 1145.898 | 1372.486 | 1561.500 | 1623.192 |
| 69.0 | 1026.452 | 1114.724 | 1343.937 | 1534.263 | 1597.268 |
| 69.5 | 993.637 | 1084.206 | 1315.716 | 1507.847 | 1571.508 |
| 70.0 | 960.986 | 1054.181 | 1287.987 | 1481.924 | 1545.913 |
| 70.5 | 929.156 | 1024.483 | 1260.259 | 1456.000 | 1520.645 |
| 71.0 | 897.653 | 995.114 | 1233.022 | 1430.404 | 1495.706 |
| 71.5 | 866.479 | 966.401 | 1206.442 | 1405.465 | 1471.095 |
| 72.0 | 835.961 | 937.523 | 1179.862 | 1380.689 | 1447.140 |
| 72.5 | 805.279 | 909.631 | 1153.938 | 1356.406 | 1423.349 |
| 73.0 | 775.418 | 881.902 | 1128.178 | 1332.451 | 1399.394 |
| 73.5 | 746.376 | 854.502 | 1103.239 | 1308.661 | 1376.095 |
| 74.0 | 717.663 | 827.921 | 1077.971 | 1285.690 | 1352.633 |
| 74.5 | 689.442 | 801.177 | 1053.852 | 1262.884 | 1330.483 |
| 75.0 | 661.386 | 775.089 | 1029.898 | 1240.570 | 1308.989 |
| 75.5 | 633.821 | 749.658 | 1006.271 | 1218.419 | 1287.167 |
| 76.0 | 607.077 | 724.718 | 983.300 | 1196.433 | 1265.837 |
| 76.5 | 580.497 | 700.107 | 960.494 | 1174.940 | 1244.507 |
| 77.0 | 554.245 | 675.660 | 938.016 | 1153.610 | 1223.834 |
| 77.5 | 528.485 | 651.869 | 915.866 | 1132.937 | 1203.325 |
| 78.0 | 503.053 | 628.571 | 894.372 | 1112.591 | 1183.143 |
| 78.5 | 478.114 | 605.600 | 873.042 | 1092.082 | 1163.126 |
| 79.0 | 453.667 | 583.286 | 852.369 | 1072.229 | 1143.437 |
| 79.5 | 429.384 | 561.136 | 832.023 | 1052.868 | 1123.748 |
| 80.0 | 405.429 | 539.314 | 811.678 | 1033.671 | 1105.044 |
| 80.5 | 382.130 | 518.148 | 791.989 | 1014.310 | 1086.011 |
| 81.0 | 359.488 | 497.311 | 773.120 | 995.606 | 1067.471 |
| 81.5 | 336.517 | 476.965 | 754.252 | 977.065 | 1048.930 |
| 82.0 | 314.367 | 457.112 | 735.875 | 959.181 | 1031.046 |
| 82.5 | 292.709 | 437.587 | 717.827 | 941.297 | 1013.490 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 83.0 | 271.380 | 418.555 | 700.107 | 924.069 | 996.426 |
| 83.5 | 250.214 | 400.014 | 683.207 | 906.513 | 978.706 |
| 84.0 | 229.541 | 381.966 | 666.800 | 889.942 | 961.806 |
| 84.5 | 209.031 | 364.574 | 650.721 | 873.534 | 945.235 |
| 85.0 | 189.342 | 347.675 | 634.969 | 857.291 | 928.663 |
| 85.5 | 169.653 | 331.595 | 619.546 | 841.540 | 912.584 |
| 86.0 | 150.293 | 316.172 | 604.452 | 826.117 | 896.669 |
| 86.5 | 131.096 | 301.734 | 590.177 | 810.694 | 880.754 |
| 87.0 | 112.227 | 287.787 | 575.738 | 796.091 | 865.166 |
| 87.5 | 93.359 | 274.825 | 562.120 | 781.324 | 850.236 |
| 88.0 | 74.654 | 262.192 | 548.666 | 767.050 | 835.141 |
| 88.5 | 55.785 | 250.378 | 535.704 | 752.939 | 820.538 |
| 89.0 | 38.558 | 239.221 | 523.399 | 739.321 | 806.100 |
| 89.5 | 24.447 | 228.884 | 511.421 | 726.195 | 791.989 |
| 90.0 | 14.603 | 219.696 | 500.428 | 713.725 | 779.027 |
| 90.5 | 10.337 | 211.656 | 490.256 | 701.256 | 765.245 |
| 91.0 | 10.993 | 204.273 | 479.919 | 688.622 | 752.119 |
| 91.5 | 13.126 | 197.218 | 469.582 | 676.644 | 738.993 |
| 92.0 | 15.587 | 191.311 | 459.738 | 664.503 | 726.195 |
| 92.5 | 18.212 | 186.225 | 451.370 | 652.854 | 713.561 |
| 93.0 | 20.837 | 181.795 | 442.674 | 641.861 | 701.420 |
| 93.5 | 23.627 | 178.349 | 434.470 | 631.032 | 689.935 |
| 94.0 | 26.580 | 175.396 | 426.759 | 620.859 | 678.777 |
| 94.5 | 29.369 | 173.263 | 419.539 | 610.522 | 667.292 |
| 95.0 | 32.159 | 171.622 | 412.812 | 600.350 | 656.299 |
| 95.5 | 34.784 | 170.474 | 406.577 | 590.669 | 645.470 |
| 96.0 | 36.917 | 169.981 | 401.163 | 581.317 | 634.805 |
| 96.5 | 39.050 | 169.981 | 395.748 | 572.621 | 624.961 |
| 97.0 | 41.019 | 170.146 | 390.826 | 564.253 | 615.116 |
| 97.5 | 43.152 | 170.802 | 386.232 | 556.214 | 606.092 |
| 98.0 | 44.956 | 171.458 | 382.130 | 548.338 | 596.904 |
| 98.5 | 47.089 | 172.279 | 378.685 | 540.791 | 588.372 |
| 99.0 | 49.222 | 173.263 | 375.075 | 533.735 | 580.004 |
| 99.5 | 51.519 | 174.412 | 371.958 | 527.008 | 571.801 |
| 100.0 | 53.488 | 175.560 | 369.496 | 520.773 | 564.417 |
| 100.5 | 55.785 | 176.873 | 367.035 | 514.703 | 556.870 |
| 101.0 | 57.754 | 178.185 | 365.231 | 508.960 | 550.143 |
| 101.5 | 59.723 | 179.498 | 363.426 | 503.546 | 543.252 |
| 102.0 | 61.528 | 180.810 | 362.113 | 498.459 | 537.181 |
| 102.5 | 63.333 | 182.123 | 360.800 | 493.701 | 531.110 |
| 103.0 | 65.138 | 183.600 | 359.816 | 488.943 | 525.696 |
| 103.5 | 67.107 | 185.076 | 358.996 | 484.841 | 520.117 |
| 104.0 | 69.240 | 186.389 | 358.175 | 481.067 | 515.031 |
| 104.5 | 71.373 | 187.866 | 357.683 | 477.458 | 510.273 |
| 105.0 | 73.341 | 189.342 | 357.191 | 474.176 | 505.679 |
| 105.5 | 75.146 | 190.655 | 356.699 | 470.731 | 501.741 |
| 106.0 | 77.279 | 192.296 | 356.535 | 467.777 | 497.803 |
| 106.5 | 79.248 | 193.772 | 356.535 | 464.988 | 493.865 |
| 107.0 | 81.217 | 195.413 | 356.535 | 462.363 | 490.584 |
| 107.5 | 83.022 | 196.726 | 356.535 | 460.394 | 487.138 |
| 108.0 | 85.319 | 198.366 | 356.535 | 458.097 | 483.693 |
| 108.5 | 87.452 | 200.007 | 356.699 | 456.456 | 481.395 |
| 109.0 | 89.585 | 201.320 | 357.027 | 454.323 | 479.098 |
| 109.5 | 91.882 | 202.796 | 357.191 | 452.846 | 476.637 |
| 110.0 | 94.179 | 204.273 | 357.519 | 451.206 | 474.668 |
| 110.5 | 96.476 | 205.750 | 357.847 | 449.729 | 472.864 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 111.0 | 98.773 | 207.226 | 358.011 | 448.416 | 470.895 |
| 111.5 | 101.070 | 208.539 | 358.175 | 447.432 | 469.254 |
| 112.0 | 103.531 | 210.016 | 358.503 | 446.448 | 467.285 |
| 112.5 | 105.992 | 211.492 | 358.832 | 445.299 | 465.480 |
| 113.0 | 108.618 | 212.969 | 359.324 | 444.479 | 464.660 |
| 113.5 | 111.079 | 214.282 | 359.324 | 443.658 | 463.511 |
| 114.0 | 113.704 | 215.594 | 359.652 | 443.002 | 462.363 |
| 114.5 | 116.165 | 217.071 | 359.980 | 442.182 | 461.378 |
| 115.0 | 118.790 | 218.219 | 360.308 | 441.689 | 460.558 |
| 115.5 | 121.415 | 219.696 | 360.308 | 441.197 | 459.738 |
| 116.0 | 123.876 | 221.009 | 360.800 | 440.541 | 458.753 |
| 116.5 | 126.174 | 222.321 | 361.129 | 439.885 | 458.425 |
| 117.0 | 128.799 | 223.798 | 361.457 | 439.885 | 457.605 |
| 117.5 | 131.260 | 224.947 | 361.785 | 439.228 | 457.112 |
| 118.0 | 133.393 | 226.095 | 362.113 | 438.900 | 456.456 |
| 118.5 | 135.854 | 227.244 | 362.277 | 438.408 | 456.292 |
| 119.0 | 137.987 | 228.392 | 362.605 | 437.916 | 455.308 |
| 119.5 | 140.284 | 229.212 | 362.933 | 437.423 | 455.144 |
| 120.0 | 142.417 | 230.033 | 362.769 | 437.095 | 454.323 |
| 120.5 | 144.550 | 231.017 | 362.933 | 436.439 | 454.159 |
| 121.0 | 146.683 | 231.674 | 363.262 | 435.947 | 453.503 |
| 121.5 | 148.980 | 232.494 | 363.098 | 435.290 | 453.175 |
| 122.0 | 151.113 | 233.478 | 363.098 | 434.962 | 452.682 |
| 122.5 | 153.246 | 234.463 | 363.262 | 434.306 | 451.534 |
| 123.0 | 155.379 | 235.447 | 363.098 | 433.650 | 451.370 |
| 123.5 | 157.348 | 236.268 | 362.769 | 433.157 | 450.385 |
| 124.0 | 158.988 | 236.924 | 362.769 | 432.665 | 450.221 |
| 124.5 | 160.629 | 237.580 | 362.769 | 431.845 | 449.565 |
| 125.0 | 162.270 | 238.401 | 362.441 | 431.025 | 448.909 |
| 125.5 | 163.911 | 238.893 | 362.113 | 430.532 | 448.088 |
| 126.0 | 165.387 | 239.549 | 361.949 | 429.548 | 447.432 |
| 126.5 | 166.700 | 240.370 | 361.621 | 428.892 | 446.940 |
| 127.0 | 168.177 | 240.698 | 361.293 | 428.071 | 446.283 |
| 127.5 | 169.325 | 241.190 | 360.800 | 427.251 | 445.135 |
| 128.0 | 170.802 | 241.190 | 360.636 | 426.266 | 444.479 |
| 128.5 | 171.950 | 241.518 | 359.980 | 425.446 | 443.822 |
| 129.0 | 173.099 | 241.846 | 359.324 | 424.626 | 443.002 |
| 129.5 | 174.083 | 242.338 | 358.175 | 423.313 | 442.018 |
| 130.0 | 174.904 | 242.667 | 357.027 | 422.493 | 441.033 |
| 130.5 | 175.724 | 242.995 | 355.714 | 421.508 | 439.885 |
| 131.0 | 176.216 | 243.487 | 354.402 | 420.031 | 438.736 |
| 131.5 | 176.873 | 243.979 | 353.089 | 418.719 | 437.587 |
| 132.0 | 177.529 | 244.471 | 351.612 | 417.899 | 436.603 |
| 132.5 | 177.857 | 244.636 | 349.972 | 416.258 | 435.126 |
| 133.0 | 178.349 | 244.800 | 349.315 | 414.781 | 433.322 |
| 133.5 | 178.513 | 244.636 | 348.331 | 413.633 | 432.501 |
| 134.0 | 178.677 | 244.307 | 347.675 | 412.320 | 431.353 |
| 134.5 | 179.170 | 243.651 | 346.854 | 410.843 | 429.220 |
| 135.0 | 179.662 | 243.159 | 345.870 | 408.874 | 427.579 |
| 135.5 | 179.498 | 241.846 | 345.049 | 407.562 | 426.266 |
| 136.0 | 179.826 | 241.682 | 343.901 | 405.921 | 424.626 |
| 136.5 | 180.154 | 241.190 | 343.080 | 404.116 | 422.985 |
| 137.0 | 180.318 | 240.370 | 341.768 | 402.640 | 421.180 |
| 137.5 | 180.482 | 239.549 | 340.619 | 400.671 | 419.539 |
| 138.0 | 180.810 | 239.057 | 338.979 | 399.030 | 417.570 |
| 138.5 | 180.810 | 238.401 | 336.846 | 397.225 | 416.094 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L170-830-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 139.0 | 180.646 | 237.908 | 334.384 | 395.092 | 413.797 |
| 139.5 | 180.646 | 237.252 | 331.431 | 392.795 | 412.156 |
| 140.0 | 180.646 | 236.432 | 328.150 | 390.662 | 409.859 |
| 140.5 | 180.646 | 235.940 | 325.196 | 388.037 | 407.398 |
| 141.0 | 180.646 | 235.611 | 321.915 | 385.248 | 405.429 |
| 141.5 | 180.646 | 234.955 | 318.633 | 382.787 | 403.460 |
| 142.0 | 180.482 | 234.627 | 315.516 | 379.669 | 401.327 |
| 142.5 | 180.318 | 234.135 | 312.234 | 376.880 | 398.866 |
| 143.0 | 180.154 | 233.643 | 309.117 | 374.255 | 396.405 |
| 143.5 | 180.154 | 232.986 | 305.507 | 371.465 | 394.108 |
| 144.0 | 180.154 | 232.166 | 302.390 | 369.332 | 391.482 |
| 144.5 | 180.646 | 231.510 | 299.272 | 366.871 | 389.185 |
| 145.0 | 181.303 | 230.853 | 295.827 | 364.738 | 386.560 |
| 145.5 | 182.451 | 230.033 | 292.709 | 362.605 | 383.935 |
| 146.0 | 183.928 | 229.377 | 289.756 | 360.308 | 381.474 |
| 146.5 | 185.405 | 228.720 | 287.295 | 357.847 | 378.685 |
| 147.0 | 186.881 | 227.900 | 284.506 | 355.386 | 375.895 |
| 147.5 | 188.194 | 227.572 | 282.373 | 352.925 | 373.106 |
| 148.0 | 189.670 | 226.915 | 280.076 | 350.136 | 370.153 |
| 148.5 | 190.983 | 226.751 | 278.271 | 347.510 | 367.199 |
| 149.0 | 192.624 | 226.751 | 276.302 | 344.885 | 364.574 |
| 149.5 | 193.772 | 227.244 | 274.497 | 342.096 | 361.293 |
| 150.0 | 195.085 | 227.572 | 272.692 | 339.471 | 357.847 |
| 150.5 | 196.233 | 227.736 | 270.723 | 336.517 | 354.237 |
| 151.0 | 197.054 | 228.228 | 268.098 | 333.564 | 349.972 |
| 151.5 | 197.874 | 228.392 | 265.309 | 330.447 | 346.034 |
| 152.0 | 198.859 | 228.720 | 262.684 | 327.165 | 342.096 |
| 152.5 | 199.843 | 229.048 | 260.223 | 323.720 | 337.830 |
| 153.0 | 200.499 | 229.212 | 257.597 | 319.782 | 334.384 |
| 153.5 | 201.320 | 229.705 | 254.808 | 315.680 | 330.447 |
| 154.0 | 201.976 | 229.541 | 252.347 | 311.086 | 327.165 |
| 154.5 | 202.796 | 229.705 | 250.214 | 306.656 | 323.884 |
| 155.0 | 203.125 | 230.033 | 248.081 | 301.569 | 321.423 |
| 155.5 | 203.781 | 230.197 | 245.948 | 296.811 | 318.797 |
| 156.0 | 204.273 | 230.197 | 244.471 | 291.725 | 316.500 |
| 156.5 | 205.094 | 230.197 | 242.995 | 286.639 | 313.547 |
| 157.0 | 205.422 | 230.525 | 241.518 | 282.045 | 310.758 |
| 157.5 | 205.914 | 230.525 | 240.534 | 277.615 | 307.640 |
| 158.0 | 206.570 | 230.361 | 240.041 | 273.020 | 304.687 |
| 158.5 | 206.734 | 230.361 | 239.385 | 269.247 | 301.241 |
| 159.0 | 207.555 | 229.869 | 238.893 | 265.637 | 298.288 |
| 159.5 | 208.211 | 229.541 | 238.073 | 262.192 | 295.006 |
| 160.0 | 209.031 | 229.212 | 237.252 | 259.402 | 291.725 |
| 160.5 | 210.016 | 229.048 | 236.596 | 256.777 | 288.608 |
| 161.0 | 210.672 | 228.556 | 236.432 | 253.988 | 285.490 |
| 161.5 | 211.656 | 228.392 | 236.104 | 251.199 | 283.193 |
| 162.0 | 212.477 | 228.064 | 236.596 | 248.901 | 281.224 |
| 162.5 | 213.297 | 228.064 | 236.924 | 246.440 | 278.927 |
| 163.0 | 214.282 | 227.900 | 237.088 | 243.815 | 276.958 |
| 163.5 | 215.102 | 227.900 | 237.416 | 241.026 | 274.497 |
| 164.0 | 215.430 | 227.900 | 237.744 | 237.580 | 272.200 |
| 164.5 | 215.922 | 227.572 | 237.416 | 234.955 | 269.247 |
| 165.0 | 216.415 | 227.572 | 236.924 | 232.330 | 266.293 |
| 165.5 | 216.907 | 227.408 | 236.432 | 230.525 | 263.176 |
| 166.0 | 217.399 | 227.244 | 236.104 | 228.556 | 258.418 |
| 166.5 | 217.891 | 227.244 | 235.611 | 226.915 | 256.121 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L170-830-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|---------|---------|---------|---------|---------|
| 167.0 | 218.548 | 227.244 | 235.119 | 225.439 | 254.316 |
| 167.5 | 218.876 | 227.244 | 234.135 | 224.126 | 252.511 |
| 168.0 | 219.368 | 227.244 | 233.314 | 222.814 | 251.034 |
| 168.5 | 220.352 | 226.587 | 232.166 | 221.665 | 249.230 |
| 169.0 | 220.845 | 226.751 | 231.345 | 220.517 | 247.425 |
| 169.5 | 221.665 | 226.259 | 230.033 | 219.204 | 245.456 |
| 170.0 | 221.993 | 226.095 | 228.884 | 217.563 | 243.651 |
| 170.5 | 222.485 | 225.767 | 227.408 | 215.758 | 241.682 |
| 171.0 | 222.814 | 225.439 | 225.767 | 213.789 | 239.221 |
| 171.5 | 223.306 | 225.439 | 224.290 | 211.985 | 237.252 |
| 172.0 | 224.126 | 225.111 | 223.470 | 210.180 | 234.299 |
| 172.5 | 224.618 | 225.111 | 222.485 | 208.211 | 231.017 |
| 173.0 | 225.275 | 224.782 | 221.665 | 206.406 | 225.439 |
| 173.5 | 226.095 | 224.947 | 221.337 | 204.601 | 217.071 |
| 174.0 | 226.751 | 224.947 | 221.173 | 203.125 | 206.734 |
| 174.5 | 227.244 | 224.947 | 220.845 | 201.648 | 194.429 |
| 175.0 | 228.228 | 225.439 | 220.681 | 200.499 | 180.482 |
| 175.5 | 228.556 | 225.603 | 220.517 | 200.007 | 165.880 |
| 176.0 | 229.212 | 225.931 | 220.517 | 199.515 | 156.363 |
| 176.5 | 229.377 | 226.095 | 220.352 | 199.515 | 149.636 |
| 177.0 | 230.033 | 226.423 | 220.024 | 199.023 | 142.745 |
| 177.5 | 230.197 | 226.423 | 219.532 | 198.859 | 141.268 |
| 178.0 | 230.853 | 226.751 | 219.368 | 198.695 | 141.597 |
| 178.5 | 231.181 | 226.915 | 219.532 | 198.366 | 141.925 |
| 179.0 | 231.510 | 226.915 | 219.368 | 197.874 | 142.089 |
| 179.5 | 231.838 | 226.915 | 219.204 | 197.710 | 142.253 |
| 180.0 | 207.883 | 207.883 | 207.883 | 207.883 | 207.883 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L170-830-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|----------|-------|--------|
| 0-20 | 1878.45 | N.A. | 11.70 |
| 0-30 | 3935.99 | N.A. | 24.50 |
| 0-40 | 6322.62 | N.A. | 39.40 |
| 0-60 | 10700.21 | N.A. | 66.70 |
| 0-80 | 13330.55 | N.A. | 83.10 |
| 0-90 | 13992.08 | N.A. | 87.30 |
| 10-90 | 13502.36 | N.A. | 84.20 |
| 20-40 | 4444.17 | N.A. | 27.70 |
| 20-50 | 6794.41 | N.A. | 42.40 |
| 40-70 | 5936.95 | N.A. | 37.00 |
| 60-80 | 2630.34 | N.A. | 16.40 |
| 70-80 | 1070.98 | N.A. | 6.70 |
| 80-90 | 661.53 | N.A. | 4.10 |
| 90-110 | 772.67 | N.A. | 4.80 |
| 90-120 | 1097.95 | N.A. | 6.80 |
| 90-130 | 1397.32 | N.A. | 8.70 |
| 90-150 | 1834.43 | N.A. | 11.40 |
| 90-180 | 2043.39 | N.A. | 12.70 |
| 110-180 | 1270.72 | N.A. | 7.90 |
| 0-180 | 16035.47 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 489.72 |
| 10-20 | 1388.73 |
| 20-30 | 2057.54 |
| 30-40 | 2386.63 |
| 40-50 | 2350.25 |
| 50-60 | 2027.35 |
| 60-70 | 1559.36 |
| 70-80 | 1070.98 |
| 80-90 | 661.53 |
| 90-100 | 423.84 |
| 100-110 | 348.82 |
| 110-120 | 325.28 |
| 120-130 | 299.37 |
| 130-140 | 251.58 |
| 140-150 | 185.53 |
| 150-160 | 121.30 |
| 160-170 | 66.84 |
| 170-180 | 20.82 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L170-830-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-L170-830-DIM-UNV_.IES

UGR TABLE - CORRECTED

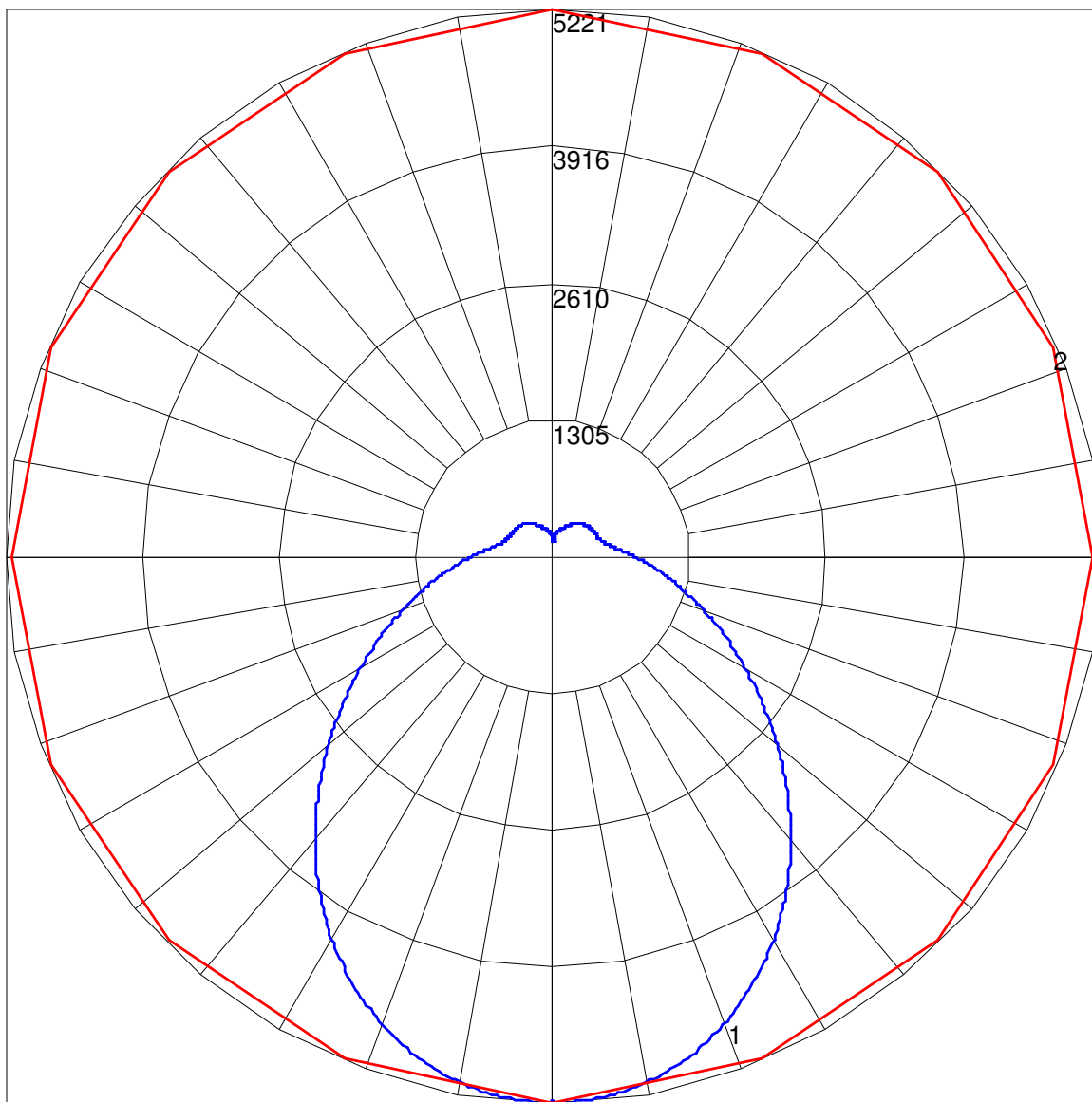
Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 19.0 | 20.4 | 19.5 | 20.9 | 21.5 | 20.7 | 22.1 | 21.3 | 22.6 | 23.2 |
| | 3H | 20.4 | 21.6 | 20.9 | 22.2 | 22.8 | 22.9 | 24.2 | 23.5 | 24.7 | 25.4 |
| | 4H | 20.8 | 22.0 | 21.4 | 22.5 | 23.2 | 24.0 | 25.2 | 24.6 | 25.7 | 26.4 |
| | 6H | 21.1 | 22.2 | 21.7 | 22.8 | 23.5 | 25.1 | 26.2 | 25.7 | 26.8 | 27.5 |
| | 8H | 21.2 | 22.2 | 21.8 | 22.8 | 23.5 | 25.8 | 26.8 | 26.4 | 27.4 | 28.1 |
| | 12H | 21.2 | 22.2 | 21.8 | 22.8 | 23.5 | 26.5 | 27.4 | 27.1 | 28.1 | 28.8 |
| 4H | 2H | 19.7 | 20.9 | 20.3 | 21.5 | 22.2 | 21.1 | 22.3 | 21.7 | 22.9 | 23.5 |
| | 3H | 21.3 | 22.3 | 21.9 | 23.0 | 23.6 | 23.6 | 24.5 | 24.2 | 25.2 | 25.9 |
| | 4H | 21.9 | 22.8 | 22.5 | 23.4 | 24.2 | 24.8 | 25.7 | 25.4 | 26.3 | 27.1 |
| | 6H | 22.3 | 23.1 | 23.0 | 23.8 | 24.5 | 26.2 | 26.9 | 26.8 | 27.6 | 28.3 |
| | 8H | 22.4 | 23.2 | 23.1 | 23.8 | 24.6 | 26.9 | 27.6 | 27.5 | 28.3 | 29.0 |
| | 12H | 22.5 | 23.2 | 23.2 | 23.9 | 24.6 | 27.7 | 28.4 | 28.4 | 29.1 | 29.8 |
| 8H | 4H | 22.5 | 23.2 | 23.1 | 23.9 | 24.6 | 25.0 | 25.7 | 25.7 | 26.4 | 27.2 |
| | 6H | 23.1 | 23.7 | 23.7 | 24.4 | 25.1 | 26.5 | 27.2 | 27.2 | 27.9 | 28.6 |
| | 8H | 23.3 | 23.8 | 24.0 | 24.5 | 25.3 | 27.4 | 28.0 | 28.1 | 28.7 | 29.4 |
| | 12H | 23.4 | 23.9 | 24.1 | 24.6 | 25.4 | 28.4 | 28.9 | 29.1 | 29.6 | 30.4 |
| 12H | 4H | 22.7 | 23.3 | 23.3 | 24.0 | 24.8 | 25.0 | 25.7 | 25.7 | 26.4 | 27.1 |
| | 6H | 23.3 | 23.9 | 24.0 | 24.6 | 25.4 | 26.6 | 27.1 | 27.3 | 27.8 | 28.6 |
| | 8H | 23.6 | 24.1 | 24.3 | 24.8 | 25.6 | 27.5 | 28.0 | 28.2 | 28.7 | 29.5 |

Maximum UGR = 30.4

POLAR GRAPH



Maximum Candela = 5220.86 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.)