

IES INDOOR REPORT

PHOTOMETRIC FILENAME : RWG-4-L60-950-S-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 14794038.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 11 DEC 2023
[TEST DATE] 5/11/2023
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] RWG-4-L60-950-S-DIM-UNV
[LUMINAIRE] 48 INCH RECESSED LINEAR WALL WASH
[MORE] WITH SPECULAR REFL AND LENS OVER LEDS
[LAMP] LED
[BALLAST] 0-10V DIMMABLE LED DRIVER
[_SEARCH_SOURCE TYPE] LED
[_SEARCH_APPLICATION] INDOOR
[_SEARCH_MOUNTING] RECESSED

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 5533 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 92 |
| Total Luminaire Watts | 60.2 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 2.40 |
| Spacing Criterion (90-270) | 1.22 |
| Spacing Criterion (Diagonal) | 1.60 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 0.81 ft |
| Luminous Width (90-270) | 4.00 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 13486 | 11243 | 3892 |
| 55 | 14802 | 11162 | 3556 |
| 65 | 18657 | 11538 | 3185 |
| 75 | 12456 | 12016 | 2903 |
| 85 | 21159 | 11676 | 2733 |

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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> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> |
|------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| 0.0 | 1431.428 | 1431.428 | 1431.428 | 1431.428 | 1431.428 | 1431.428 | 1431.428 | 1431.428 | 1431.428 |
| 0.5 | 1414.434 | 1454.958 | 1465.416 | 1469.338 | 1457.573 | 1437.964 | 1409.205 | 1383.060 | 1335.999 |
| 1.0 | 1453.651 | 1491.561 | 1494.175 | 1485.025 | 1457.573 | 1422.277 | 1381.753 | 1347.764 | 1298.351 |
| 1.5 | 1494.175 | 1530.778 | 1525.549 | 1502.019 | 1457.573 | 1407.897 | 1354.301 | 1312.469 | 1261.748 |
| 2.0 | 1537.314 | 1569.995 | 1555.616 | 1517.706 | 1458.880 | 1393.518 | 1328.156 | 1277.827 | 1225.799 |
| 2.5 | 1579.146 | 1607.905 | 1585.682 | 1533.393 | 1460.187 | 1379.138 | 1301.357 | 1243.185 | 1190.503 |
| 3.0 | 1622.285 | 1649.737 | 1617.056 | 1550.387 | 1460.187 | 1364.759 | 1275.082 | 1209.720 | 1155.469 |
| 3.5 | 1666.731 | 1690.261 | 1647.122 | 1566.074 | 1460.187 | 1350.379 | 1248.545 | 1177.039 | 1122.396 |
| 4.0 | 1711.177 | 1732.093 | 1679.803 | 1583.068 | 1460.187 | 1334.692 | 1222.662 | 1143.966 | 1088.669 |
| 4.5 | 1756.931 | 1773.925 | 1711.177 | 1598.755 | 1458.880 | 1319.005 | 1197.824 | 1112.461 | 1055.988 |
| 5.0 | 1803.991 | 1817.064 | 1743.858 | 1614.441 | 1458.880 | 1304.233 | 1172.986 | 1081.741 | 1025.138 |
| 5.5 | 1849.745 | 1861.510 | 1776.539 | 1630.128 | 1456.265 | 1289.723 | 1148.149 | 1051.282 | 993.372 |
| 6.0 | 1896.805 | 1905.956 | 1809.220 | 1645.815 | 1454.958 | 1274.559 | 1123.442 | 1021.477 | 961.344 |
| 6.5 | 1943.866 | 1951.709 | 1840.594 | 1661.502 | 1453.651 | 1259.264 | 1098.735 | 991.280 | 930.363 |
| 7.0 | 1992.234 | 1997.463 | 1874.582 | 1675.882 | 1452.344 | 1244.362 | 1075.336 | 961.475 | 903.434 |
| 7.5 | 2041.909 | 2043.216 | 1907.263 | 1691.569 | 1451.036 | 1229.459 | 1050.890 | 934.023 | 880.688 |
| 8.0 | 2090.277 | 2087.662 | 1938.637 | 1707.255 | 1449.729 | 1214.426 | 1027.360 | 908.663 | 856.242 |
| 8.5 | 2136.030 | 2133.416 | 1972.625 | 1721.635 | 1445.807 | 1199.393 | 1003.960 | 886.832 | 834.150 |
| 9.0 | 2183.091 | 2179.169 | 2003.999 | 1737.322 | 1443.193 | 1183.706 | 979.646 | 864.609 | 812.973 |
| 9.5 | 2235.380 | 2224.922 | 2037.987 | 1751.702 | 1439.271 | 1168.673 | 957.292 | 844.085 | 794.802 |
| 10.0 | 2282.441 | 2269.369 | 2070.668 | 1766.081 | 1436.657 | 1153.116 | 934.023 | 825.653 | 774.540 |
| 10.5 | 2332.116 | 2315.122 | 2103.349 | 1780.461 | 1432.735 | 1137.952 | 914.022 | 807.613 | 754.277 |
| 11.0 | 2379.177 | 2358.261 | 2134.723 | 1793.533 | 1430.121 | 1123.311 | 894.937 | 788.789 | 734.669 |
| 11.5 | 2426.237 | 2401.400 | 2166.097 | 1806.606 | 1426.199 | 1107.494 | 876.504 | 769.964 | 715.452 |
| 12.0 | 2471.991 | 2444.539 | 2197.470 | 1819.678 | 1422.277 | 1093.114 | 859.249 | 751.532 | 696.759 |
| 12.5 | 2520.359 | 2487.678 | 2230.151 | 1834.058 | 1418.355 | 1077.035 | 841.732 | 733.362 | 678.588 |
| 13.0 | 2566.112 | 2530.817 | 2261.525 | 1847.130 | 1414.434 | 1061.610 | 825.391 | 716.106 | 660.548 |
| 13.5 | 2610.558 | 2571.341 | 2294.206 | 1860.203 | 1409.205 | 1046.446 | 813.365 | 699.112 | 643.554 |
| 14.0 | 2653.697 | 2613.173 | 2322.965 | 1873.275 | 1403.976 | 1030.628 | 798.070 | 681.726 | 625.776 |
| 14.5 | 2698.143 | 2655.004 | 2354.339 | 1883.733 | 1398.747 | 1015.987 | 782.906 | 665.124 | 609.435 |
| 15.0 | 2742.590 | 2694.222 | 2383.099 | 1896.805 | 1393.518 | 1001.215 | 767.611 | 648.783 | 593.095 |
| 15.5 | 2788.343 | 2734.746 | 2413.165 | 1908.570 | 1389.596 | 986.051 | 752.970 | 632.835 | 577.146 |
| 16.0 | 2827.560 | 2772.656 | 2440.617 | 1920.336 | 1384.367 | 971.279 | 738.329 | 617.409 | 562.505 |
| 16.5 | 2866.777 | 2810.566 | 2468.069 | 1932.101 | 1377.831 | 955.070 | 723.950 | 602.376 | 546.426 |
| 17.0 | 2903.380 | 2847.169 | 2496.828 | 1943.866 | 1372.602 | 939.775 | 709.962 | 587.604 | 531.655 |
| 17.5 | 2938.676 | 2882.464 | 2524.280 | 1954.324 | 1366.066 | 924.742 | 696.105 | 573.225 | 517.406 |
| 18.0 | 2972.664 | 2915.145 | 2553.040 | 1967.396 | 1359.530 | 909.839 | 682.902 | 558.453 | 502.503 |
| 18.5 | 3004.038 | 2946.519 | 2579.185 | 1977.854 | 1354.301 | 894.806 | 669.307 | 544.727 | 489.300 |
| 19.0 | 3035.411 | 2976.586 | 2602.715 | 1988.312 | 1347.764 | 880.949 | 655.581 | 530.870 | 474.659 |
| 19.5 | 3066.785 | 3004.038 | 2627.552 | 1997.463 | 1339.921 | 868.400 | 642.770 | 517.013 | 461.194 |
| 20.0 | 3095.544 | 3030.182 | 2651.083 | 2006.613 | 1334.692 | 855.589 | 629.175 | 503.680 | 448.253 |
| 20.5 | 3126.918 | 3057.634 | 2674.613 | 2018.379 | 1328.156 | 843.170 | 616.887 | 490.215 | 434.527 |
| 21.0 | 3151.756 | 3082.472 | 2696.836 | 2026.222 | 1320.312 | 831.274 | 604.206 | 477.796 | 422.239 |
| 21.5 | 3177.900 | 3106.002 | 2717.752 | 2036.680 | 1313.776 | 821.077 | 591.526 | 465.247 | 409.297 |
| 22.0 | 3200.124 | 3129.533 | 2737.361 | 2044.523 | 1305.802 | 809.966 | 579.630 | 452.697 | 397.140 |
| 22.5 | 3222.347 | 3151.756 | 2754.355 | 2051.060 | 1297.436 | 799.116 | 567.211 | 440.278 | 385.113 |
| 23.0 | 3243.262 | 3173.979 | 2771.349 | 2060.210 | 1290.769 | 787.351 | 555.446 | 428.383 | 372.302 |
| 23.5 | 3268.100 | 3193.587 | 2783.114 | 2066.746 | 1282.664 | 776.370 | 543.681 | 416.617 | 362.105 |
| 24.0 | 3287.709 | 3211.889 | 2796.186 | 2073.283 | 1275.605 | 764.213 | 531.785 | 405.114 | 350.079 |
| 24.5 | 3306.010 | 3227.576 | 2807.952 | 2079.819 | 1266.846 | 752.578 | 520.674 | 393.741 | 339.098 |
| 25.0 | 3321.697 | 3241.955 | 2818.409 | 2086.355 | 1258.741 | 740.944 | 508.778 | 382.891 | 328.902 |
| 25.5 | 3332.155 | 3258.949 | 2830.175 | 2091.584 | 1249.721 | 729.571 | 497.928 | 372.171 | 317.921 |
| 26.0 | 3342.613 | 3270.715 | 2841.940 | 2095.506 | 1240.309 | 718.851 | 487.208 | 361.713 | 308.378 |
| 26.5 | 3346.534 | 3279.865 | 2851.090 | 2099.427 | 1231.420 | 707.348 | 476.358 | 351.386 | 297.920 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
| 27.0 | 3346.534 | 3286.401 | 2860.241 | 2103.349 | 1222.269 | 696.890 | 466.162 | 341.190 | 288.116 |
| 27.5 | 3343.920 | 3287.709 | 2865.470 | 2105.964 | 1211.942 | 685.909 | 455.181 | 331.647 | 279.226 |
| 28.0 | 3341.305 | 3286.401 | 2872.006 | 2107.271 | 1203.968 | 675.059 | 444.984 | 321.712 | 269.422 |
| 28.5 | 3337.384 | 3282.480 | 2877.235 | 2109.885 | 1193.249 | 664.862 | 435.180 | 312.692 | 261.056 |
| 29.0 | 3330.848 | 3275.943 | 2882.464 | 2112.500 | 1184.229 | 653.881 | 424.984 | 303.672 | 252.167 |
| 29.5 | 3324.311 | 3268.100 | 2886.386 | 2112.500 | 1174.032 | 643.816 | 415.702 | 294.913 | 243.539 |
| 30.0 | 3312.546 | 3258.949 | 2887.693 | 2111.193 | 1163.051 | 633.227 | 405.898 | 286.416 | 235.826 |
| 30.5 | 3302.088 | 3249.799 | 2889.000 | 2111.193 | 1153.116 | 622.900 | 396.878 | 277.658 | 227.068 |
| 31.0 | 3294.245 | 3240.648 | 2887.693 | 2109.885 | 1142.397 | 612.965 | 387.597 | 269.814 | 219.878 |
| 31.5 | 3283.787 | 3228.883 | 2886.386 | 2108.578 | 1133.246 | 602.899 | 378.446 | 261.840 | 212.165 |
| 32.0 | 3274.636 | 3215.810 | 2882.464 | 2107.271 | 1123.181 | 592.833 | 369.949 | 253.997 | 204.845 |
| 32.5 | 3261.564 | 3202.738 | 2877.235 | 2103.349 | 1112.200 | 582.506 | 360.668 | 246.545 | 197.916 |
| 33.0 | 3249.799 | 3185.744 | 2868.085 | 2102.042 | 1102.395 | 572.440 | 352.301 | 239.094 | 190.596 |
| 33.5 | 3239.341 | 3172.672 | 2861.548 | 2098.120 | 1091.023 | 562.636 | 344.066 | 232.035 | 184.321 |
| 34.0 | 3226.268 | 3158.292 | 2852.398 | 2095.506 | 1080.042 | 552.701 | 335.699 | 225.237 | 177.523 |
| 34.5 | 3213.196 | 3142.605 | 2838.018 | 2090.277 | 1070.368 | 543.027 | 328.379 | 218.309 | 170.987 |
| 35.0 | 3198.816 | 3126.918 | 2823.638 | 2085.048 | 1058.603 | 533.092 | 320.012 | 211.642 | 164.974 |
| 35.5 | 3184.437 | 3109.924 | 2806.644 | 2079.819 | 1048.406 | 523.027 | 312.169 | 205.237 | 158.699 |
| 36.0 | 3170.057 | 3092.930 | 2789.650 | 2073.283 | 1036.641 | 513.615 | 304.456 | 198.700 | 153.078 |
| 36.5 | 3159.599 | 3074.629 | 2772.656 | 2066.746 | 1025.922 | 504.072 | 296.743 | 192.687 | 147.457 |
| 37.0 | 3143.912 | 3055.020 | 2754.355 | 2061.517 | 1015.856 | 494.790 | 289.554 | 186.674 | 141.836 |
| 37.5 | 3128.225 | 3035.411 | 2736.053 | 2052.367 | 1002.915 | 485.509 | 282.233 | 180.922 | 136.737 |
| 38.0 | 3111.231 | 3014.495 | 2716.445 | 2043.216 | 992.064 | 475.705 | 274.913 | 175.170 | 131.116 |
| 38.5 | 3091.623 | 2994.887 | 2695.529 | 2034.065 | 980.038 | 466.554 | 267.984 | 169.549 | 126.018 |
| 39.0 | 3077.243 | 2975.278 | 2674.613 | 2024.915 | 967.881 | 457.403 | 260.925 | 164.189 | 121.181 |
| 39.5 | 3061.556 | 2954.362 | 2653.697 | 2014.457 | 957.292 | 448.645 | 254.258 | 158.830 | 116.344 |
| 40.0 | 3044.562 | 2933.447 | 2630.167 | 2003.999 | 945.004 | 439.886 | 247.722 | 153.862 | 111.769 |
| 40.5 | 3027.568 | 2909.916 | 2607.944 | 1993.541 | 934.023 | 430.866 | 241.186 | 148.764 | 107.063 |
| 41.0 | 3010.574 | 2889.000 | 2583.106 | 1983.083 | 922.519 | 422.239 | 234.911 | 144.058 | 102.880 |
| 41.5 | 2993.580 | 2869.392 | 2562.190 | 1972.625 | 910.100 | 413.611 | 228.767 | 139.613 | 98.827 |
| 42.0 | 2976.586 | 2848.476 | 2539.967 | 1962.167 | 899.120 | 405.375 | 223.277 | 135.038 | 94.906 |
| 42.5 | 2960.899 | 2830.175 | 2517.744 | 1951.709 | 887.355 | 397.270 | 217.786 | 130.855 | 91.376 |
| 43.0 | 2943.905 | 2811.873 | 2495.521 | 1939.944 | 875.982 | 389.165 | 212.296 | 126.933 | 87.585 |
| 43.5 | 2929.525 | 2792.265 | 2471.991 | 1926.872 | 865.131 | 381.322 | 206.936 | 122.881 | 84.186 |
| 44.0 | 2913.838 | 2773.963 | 2448.461 | 1915.107 | 853.758 | 373.609 | 201.707 | 119.220 | 80.787 |
| 44.5 | 2900.766 | 2755.662 | 2426.237 | 1903.341 | 843.301 | 365.896 | 196.870 | 115.560 | 77.650 |
| 45.0 | 2883.771 | 2737.361 | 2404.014 | 1891.576 | 832.320 | 358.707 | 192.295 | 112.161 | 74.774 |
| 45.5 | 2869.392 | 2719.059 | 2380.484 | 1878.504 | 822.254 | 351.125 | 187.327 | 108.762 | 71.767 |
| 46.0 | 2856.319 | 2702.065 | 2356.954 | 1864.124 | 812.450 | 344.066 | 183.144 | 105.364 | 68.892 |
| 46.5 | 2840.633 | 2685.071 | 2333.423 | 1851.052 | 802.384 | 337.006 | 178.438 | 102.226 | 66.277 |
| 47.0 | 2826.253 | 2668.077 | 2309.893 | 1836.672 | 791.926 | 329.947 | 174.124 | 99.089 | 63.532 |
| 47.5 | 2813.181 | 2652.390 | 2287.670 | 1823.600 | 780.814 | 323.280 | 170.072 | 96.082 | 61.048 |
| 48.0 | 2798.801 | 2632.781 | 2261.525 | 1807.913 | 769.441 | 316.483 | 165.889 | 93.206 | 58.564 |
| 48.5 | 2781.807 | 2614.480 | 2237.995 | 1792.226 | 758.984 | 309.816 | 161.836 | 90.200 | 56.211 |
| 49.0 | 2766.120 | 2594.871 | 2213.157 | 1776.539 | 747.480 | 303.280 | 157.784 | 87.454 | 53.989 |
| 49.5 | 2749.126 | 2576.570 | 2188.320 | 1760.852 | 736.368 | 296.743 | 153.862 | 84.971 | 51.897 |
| 50.0 | 2733.439 | 2558.269 | 2167.404 | 1743.858 | 725.387 | 290.599 | 150.333 | 82.356 | 49.937 |
| 50.5 | 2716.445 | 2538.660 | 2143.874 | 1725.557 | 713.884 | 284.325 | 146.672 | 80.003 | 47.976 |
| 51.0 | 2698.143 | 2519.051 | 2119.036 | 1707.255 | 703.034 | 278.311 | 143.143 | 77.519 | 46.015 |
| 51.5 | 2681.149 | 2502.057 | 2094.198 | 1686.340 | 691.791 | 272.298 | 139.613 | 75.166 | 44.315 |
| 52.0 | 2665.462 | 2482.449 | 2071.975 | 1665.424 | 681.203 | 266.285 | 136.084 | 72.944 | 42.616 |
| 52.5 | 2649.775 | 2464.147 | 2049.752 | 1644.508 | 671.006 | 260.664 | 132.946 | 70.852 | 41.047 |
| 53.0 | 2634.089 | 2443.232 | 2026.222 | 1623.592 | 659.633 | 255.043 | 129.678 | 68.892 | 39.479 |
| 53.5 | 2618.402 | 2424.930 | 2002.692 | 1601.369 | 649.045 | 249.552 | 126.410 | 66.931 | 38.041 |
| 54.0 | 2600.100 | 2407.936 | 1980.469 | 1579.146 | 637.933 | 243.800 | 123.403 | 64.970 | 36.603 |
| 54.5 | 2584.413 | 2388.327 | 1958.246 | 1556.923 | 626.952 | 238.441 | 120.135 | 63.140 | 35.295 |

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| | | | | | | | | | |
|------|----------|----------|----------|----------|---------|---------|---------|--------|--------|
| 55.0 | 2567.419 | 2371.333 | 1936.022 | 1534.700 | 616.756 | 233.342 | 117.129 | 61.310 | 33.988 |
| 55.5 | 2549.118 | 2351.725 | 1912.492 | 1511.169 | 605.383 | 228.244 | 114.122 | 59.610 | 32.681 |
| 56.0 | 2533.431 | 2332.116 | 1890.269 | 1486.332 | 595.186 | 223.146 | 111.115 | 57.911 | 31.635 |
| 56.5 | 2515.130 | 2311.200 | 1866.739 | 1462.802 | 584.467 | 217.917 | 108.370 | 56.342 | 30.459 |
| 57.0 | 2496.828 | 2291.592 | 1841.901 | 1439.271 | 573.225 | 212.949 | 105.364 | 54.773 | 29.413 |
| 57.5 | 2481.142 | 2270.676 | 1820.985 | 1415.741 | 563.290 | 208.113 | 102.618 | 53.335 | 28.367 |
| 58.0 | 2461.533 | 2249.760 | 1797.455 | 1390.903 | 552.047 | 203.407 | 100.004 | 51.897 | 27.452 |
| 58.5 | 2445.846 | 2227.537 | 1775.232 | 1366.066 | 541.459 | 198.831 | 97.389 | 50.590 | 26.537 |
| 59.0 | 2430.159 | 2207.928 | 1753.009 | 1342.535 | 530.870 | 194.387 | 95.036 | 49.152 | 25.622 |
| 59.5 | 2414.472 | 2187.013 | 1728.171 | 1317.698 | 519.889 | 189.942 | 92.683 | 47.976 | 24.707 |
| 60.0 | 2406.629 | 2167.404 | 1705.948 | 1292.860 | 510.216 | 185.628 | 90.200 | 46.668 | 23.922 |
| 60.5 | 2401.400 | 2150.410 | 1683.725 | 1269.069 | 499.235 | 181.576 | 87.977 | 45.623 | 23.138 |
| 61.0 | 2400.093 | 2132.108 | 1660.195 | 1245.408 | 489.038 | 177.392 | 85.755 | 44.446 | 22.485 |
| 61.5 | 2404.014 | 2115.114 | 1637.972 | 1220.831 | 478.842 | 173.209 | 83.663 | 43.400 | 21.700 |
| 62.0 | 2405.322 | 2102.042 | 1615.749 | 1196.517 | 467.861 | 169.157 | 81.441 | 42.224 | 21.047 |
| 62.5 | 2410.551 | 2092.891 | 1593.526 | 1171.679 | 457.926 | 165.366 | 79.480 | 41.178 | 20.393 |
| 63.0 | 2415.780 | 2087.662 | 1569.995 | 1147.757 | 447.599 | 161.444 | 77.650 | 40.263 | 19.739 |
| 63.5 | 2421.008 | 2082.433 | 1546.465 | 1122.004 | 437.272 | 157.915 | 75.689 | 39.217 | 19.216 |
| 64.0 | 2419.701 | 2078.512 | 1522.935 | 1097.167 | 427.206 | 154.124 | 73.859 | 38.302 | 18.563 |
| 64.5 | 2407.936 | 2077.204 | 1498.097 | 1071.806 | 416.879 | 150.333 | 71.898 | 37.256 | 18.040 |
| 65.0 | 2384.406 | 2073.283 | 1474.567 | 1047.230 | 407.075 | 146.672 | 69.937 | 36.341 | 17.517 |
| 65.5 | 2350.418 | 2066.746 | 1449.729 | 1023.307 | 397.270 | 143.012 | 68.238 | 35.426 | 16.994 |
| 66.0 | 2315.122 | 2048.445 | 1427.506 | 999.254 | 387.335 | 139.483 | 66.539 | 34.511 | 16.471 |
| 66.5 | 2278.519 | 2018.379 | 1405.283 | 975.201 | 377.531 | 135.953 | 64.708 | 33.596 | 15.948 |
| 67.0 | 2237.995 | 1983.083 | 1383.060 | 951.148 | 367.204 | 132.423 | 63.009 | 32.812 | 15.425 |
| 67.5 | 2202.699 | 1945.173 | 1360.837 | 927.618 | 357.399 | 129.025 | 61.310 | 31.897 | 15.033 |
| 68.0 | 2154.332 | 1909.878 | 1342.535 | 903.956 | 347.987 | 125.495 | 59.610 | 30.982 | 14.510 |
| 68.5 | 2094.198 | 1871.968 | 1325.541 | 880.688 | 338.706 | 122.227 | 57.911 | 30.197 | 13.987 |
| 69.0 | 2028.836 | 1832.750 | 1309.854 | 857.811 | 329.947 | 118.828 | 56.342 | 29.413 | 13.595 |
| 69.5 | 1938.637 | 1783.075 | 1297.566 | 837.287 | 320.797 | 115.429 | 54.773 | 28.629 | 13.203 |
| 70.0 | 1837.979 | 1720.328 | 1284.102 | 813.757 | 311.777 | 112.161 | 53.205 | 27.713 | 12.680 |
| 70.5 | 1732.093 | 1652.351 | 1271.291 | 791.795 | 303.018 | 108.893 | 51.636 | 26.929 | 12.288 |
| 71.0 | 1614.441 | 1572.610 | 1251.029 | 769.964 | 293.998 | 105.625 | 50.198 | 26.145 | 11.896 |
| 71.5 | 1511.169 | 1481.103 | 1219.916 | 746.695 | 285.501 | 102.488 | 48.760 | 25.360 | 11.373 |
| 72.0 | 1398.747 | 1390.903 | 1184.621 | 723.427 | 277.004 | 99.350 | 47.322 | 24.576 | 10.981 |
| 72.5 | 1295.475 | 1294.952 | 1146.580 | 700.027 | 268.376 | 96.213 | 45.753 | 23.661 | 10.589 |
| 73.0 | 1212.857 | 1199.262 | 1109.324 | 676.758 | 260.141 | 93.075 | 44.185 | 22.877 | 10.196 |
| 73.5 | 1133.116 | 1111.546 | 1073.375 | 654.274 | 251.905 | 89.938 | 42.747 | 22.092 | 9.804 |
| 74.0 | 1072.721 | 1028.667 | 1033.112 | 631.789 | 243.800 | 86.931 | 41.309 | 21.308 | 9.412 |
| 74.5 | 1020.954 | 963.044 | 989.842 | 609.305 | 235.565 | 83.794 | 39.871 | 20.524 | 9.020 |
| 75.0 | 974.940 | 906.571 | 940.428 | 586.559 | 227.198 | 80.918 | 38.433 | 19.870 | 8.628 |
| 75.5 | 941.866 | 858.987 | 885.263 | 563.943 | 219.093 | 77.912 | 36.995 | 18.955 | 8.236 |
| 76.0 | 909.708 | 821.077 | 828.137 | 540.674 | 211.119 | 75.036 | 35.557 | 18.301 | 7.713 |
| 76.5 | 883.564 | 790.227 | 767.611 | 517.667 | 203.407 | 72.160 | 34.119 | 17.517 | 7.190 |
| 77.0 | 859.641 | 761.467 | 705.517 | 494.398 | 195.825 | 69.284 | 32.812 | 16.733 | 6.798 |
| 77.5 | 832.843 | 734.669 | 645.907 | 470.868 | 188.243 | 66.408 | 31.374 | 15.948 | 6.536 |
| 78.0 | 818.724 | 709.308 | 592.703 | 448.122 | 181.053 | 63.663 | 29.936 | 15.164 | 6.275 |
| 78.5 | 816.110 | 687.739 | 547.864 | 426.422 | 173.732 | 60.917 | 28.629 | 14.380 | 5.883 |
| 79.0 | 817.025 | 678.719 | 509.039 | 404.983 | 166.804 | 58.172 | 27.191 | 13.726 | 5.621 |
| 79.5 | 822.385 | 680.288 | 476.881 | 382.237 | 159.614 | 55.427 | 25.753 | 13.072 | 5.360 |
| 80.0 | 828.006 | 684.471 | 448.906 | 358.184 | 152.424 | 52.682 | 24.445 | 12.419 | 4.968 |
| 80.5 | 833.104 | 686.432 | 423.676 | 333.215 | 144.973 | 49.937 | 23.007 | 11.634 | 4.706 |
| 81.0 | 836.634 | 687.085 | 402.499 | 308.509 | 137.391 | 47.191 | 21.700 | 10.981 | 4.445 |
| 81.5 | 832.843 | 687.216 | 388.773 | 285.501 | 129.678 | 44.446 | 20.262 | 10.327 | 4.183 |
| 82.0 | 811.012 | 678.719 | 382.891 | 261.709 | 121.312 | 41.701 | 18.955 | 9.674 | 3.922 |
| 82.5 | 769.703 | 653.359 | 380.145 | 237.264 | 112.946 | 38.825 | 17.648 | 9.020 | 3.660 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L60-950-S-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|--------|--------|-------|-------|
| 83.0 | 722.381 | 613.096 | 376.747 | 212.557 | 104.579 | 36.080 | 16.341 | 8.366 | 3.399 |
| 83.5 | 680.549 | 573.748 | 370.472 | 189.681 | 96.344 | 33.335 | 15.033 | 7.713 | 3.268 |
| 84.0 | 636.887 | 536.099 | 356.092 | 169.810 | 88.108 | 30.589 | 13.726 | 7.059 | 3.007 |
| 84.5 | 598.062 | 499.235 | 334.131 | 152.947 | 80.003 | 27.844 | 12.419 | 6.405 | 2.876 |
| 85.0 | 557.669 | 462.894 | 307.724 | 138.698 | 72.029 | 25.099 | 11.112 | 5.883 | 2.614 |
| 85.5 | 521.458 | 429.036 | 280.272 | 125.495 | 64.055 | 22.485 | 9.804 | 5.229 | 2.484 |
| 86.0 | 479.103 | 390.211 | 253.866 | 112.553 | 56.211 | 19.739 | 8.497 | 4.575 | 2.222 |
| 86.5 | 420.539 | 341.713 | 225.630 | 99.612 | 48.499 | 16.994 | 7.321 | 4.052 | 2.092 |
| 87.0 | 363.805 | 288.246 | 195.432 | 85.101 | 40.524 | 14.249 | 6.013 | 3.399 | 1.830 |
| 87.5 | 299.619 | 232.689 | 161.967 | 69.284 | 32.681 | 11.504 | 4.837 | 2.876 | 1.699 |
| 88.0 | 232.558 | 173.601 | 123.403 | 52.943 | 24.838 | 8.889 | 3.791 | 2.353 | 1.569 |
| 88.5 | 166.804 | 109.547 | 81.964 | 35.818 | 16.994 | 6.275 | 2.614 | 1.830 | 1.438 |
| 89.0 | 83.271 | 41.701 | 40.263 | 20.001 | 9.412 | 3.791 | 1.830 | 1.438 | 1.177 |
| 89.5 | 22.746 | 6.536 | 12.157 | 9.543 | 5.098 | 2.092 | 1.307 | 1.177 | 1.177 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 90.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 91.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 91.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 93.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 93.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 94.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 94.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 96.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 96.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 98.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 98.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 99.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 99.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 101.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 101.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 103.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 103.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 104.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 104.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 106.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 106.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 108.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 108.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 109.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 109.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L60-950-S-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 111.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 111.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 113.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 113.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 114.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 114.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 116.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 116.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 118.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 118.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 119.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 119.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 121.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 121.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 123.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 123.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 124.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 124.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 126.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 126.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 128.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 128.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 129.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 129.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 131.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 131.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 133.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 133.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 134.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 134.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 136.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 136.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 138.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 138.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L60-950-S-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 139.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 139.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 141.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 141.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 143.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 143.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 144.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 144.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 146.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 146.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 148.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 148.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 149.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 149.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 151.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 151.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 153.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 153.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 154.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 154.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 156.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 156.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 158.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 158.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 159.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 159.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 161.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 161.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 163.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 163.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 164.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 164.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 166.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 166.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L60-950-S-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 167.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 173.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 173.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L60-950-S-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 582.03 | N.A. | 10.50 |
| 0-30 | 1321.85 | N.A. | 23.90 |
| 0-40 | 2245.99 | N.A. | 40.60 |
| 0-60 | 4125.95 | N.A. | 74.60 |
| 0-80 | 5367.25 | N.A. | 97.00 |
| 0-90 | 5532.72 | N.A. | 100.00 |
| 10-90 | 5392.73 | N.A. | 97.50 |
| 20-40 | 1663.96 | N.A. | 30.10 |
| 20-50 | 2630.63 | N.A. | 47.50 |
| 40-70 | 2668.31 | N.A. | 48.20 |
| 60-80 | 1241.29 | N.A. | 22.40 |
| 70-80 | 452.94 | N.A. | 8.20 |
| 80-90 | 165.47 | N.A. | 3.00 |
| 90-110 | 0.00 | N.A. | 0.00 |
| 90-120 | 0.00 | N.A. | 0.00 |
| 90-130 | 0.00 | N.A. | 0.00 |
| 90-150 | 0.00 | N.A. | 0.00 |
| 90-180 | 0.00 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 5532.72 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 139.98 |
| 10-20 | 442.05 |
| 20-30 | 739.82 |
| 30-40 | 924.14 |
| 40-50 | 966.67 |
| 50-60 | 913.30 |
| 60-70 | 788.35 |
| 70-80 | 452.94 |
| 80-90 | 165.47 |
| 90-100 | 0.00 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L60-950-S-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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 108 | 103 | 98 | 94 | 105 | 100 | 96 | 92 | 96 | 92 | 89 | 92 | 89 | 87 | 88 | 86 | 84 | 82 |
| 2 | 97 | 89 | 81 | 75 | 95 | 87 | 80 | 74 | 83 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 69 | 67 |
| 3 | 88 | 77 | 68 | 62 | 86 | 76 | 67 | 61 | 72 | 66 | 60 | 70 | 64 | 59 | 67 | 62 | 58 | 56 |
| 4 | 81 | 68 | 59 | 52 | 78 | 67 | 58 | 51 | 64 | 56 | 50 | 62 | 55 | 50 | 59 | 54 | 49 | 47 |
| 5 | 74 | 60 | 51 | 44 | 72 | 59 | 50 | 44 | 57 | 49 | 43 | 55 | 48 | 43 | 53 | 47 | 42 | 40 |
| 6 | 68 | 54 | 45 | 38 | 66 | 53 | 44 | 38 | 51 | 43 | 37 | 50 | 42 | 37 | 48 | 42 | 37 | 35 |
| 7 | 63 | 49 | 40 | 33 | 61 | 48 | 39 | 33 | 46 | 39 | 33 | 45 | 38 | 33 | 44 | 37 | 32 | 30 |
| 8 | 58 | 44 | 36 | 30 | 57 | 44 | 35 | 29 | 42 | 35 | 29 | 41 | 34 | 29 | 40 | 34 | 29 | 27 |
| 9 | 54 | 41 | 32 | 26 | 53 | 40 | 32 | 26 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 24 |
| 10 | 51 | 37 | 29 | 24 | 50 | 37 | 29 | 24 | 36 | 29 | 24 | 35 | 28 | 23 | 34 | 28 | 23 | 22 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L60-950-S-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

| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| X=2H | Y=2H | 24.5 | 26.2 | 24.9 | 26.5 | 26.8 | 18.0 | 19.7 | 18.4 | 20.1 | 20.4 |
| | 3H | 27.5 | 29.0 | 27.9 | 29.3 | 29.7 | 19.3 | 20.9 | 19.7 | 21.2 | 21.6 |
| | 4H | 28.0 | 29.5 | 28.4 | 29.8 | 30.2 | 19.8 | 21.2 | 20.2 | 21.6 | 22.0 |
| | 6H | 28.5 | 29.9 | 29.0 | 30.3 | 30.7 | 20.1 | 21.5 | 20.5 | 21.9 | 22.2 |
| | 8H | 29.0 | 30.3 | 29.4 | 30.7 | 31.0 | 20.2 | 21.5 | 20.7 | 21.9 | 22.3 |
| | 12H | 29.3 | 30.6 | 29.8 | 31.0 | 31.4 | 20.3 | 21.6 | 20.8 | 22.0 | 22.4 |

UGR Viewed Endwise

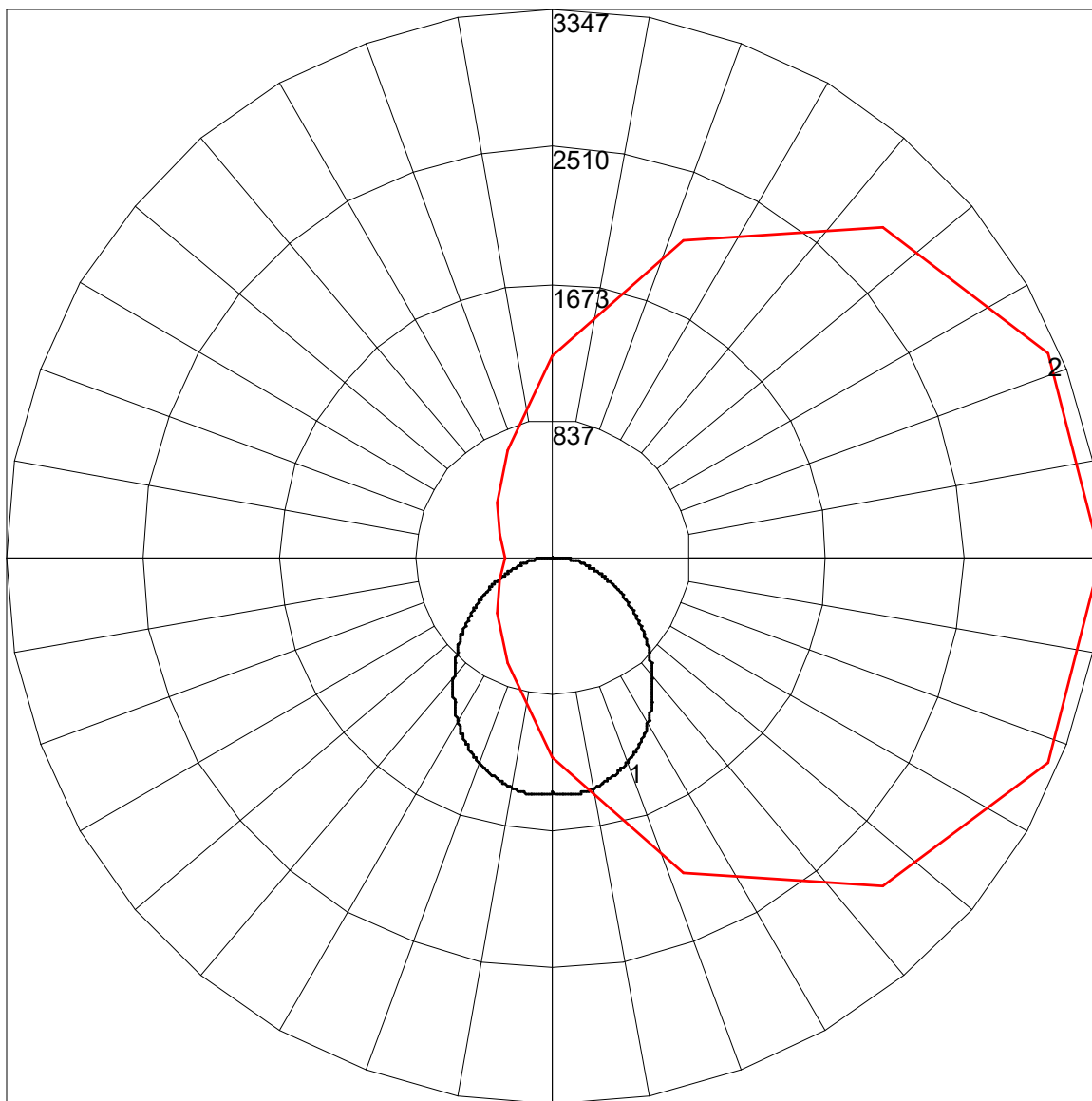
| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 25.0 | 26.4 | 25.3 | 26.8 | 27.1 | 19.6 | 21.0 | 20.0 | 21.4 | 21.7 |
| | 3H | 28.1 | 29.4 | 28.5 | 29.8 | 30.2 | 21.3 | 22.5 | 21.7 | 22.9 | 23.3 |
| | 4H | 28.8 | 29.9 | 29.2 | 30.3 | 30.7 | 21.9 | 23.0 | 22.3 | 23.4 | 23.9 |
| | 6H | 29.5 | 30.5 | 29.9 | 30.9 | 31.4 | 22.3 | 23.3 | 22.8 | 23.8 | 24.2 |
| | 8H | 30.0 | 30.9 | 30.5 | 31.4 | 31.8 | 22.5 | 23.4 | 22.9 | 23.8 | 24.3 |
| | 12H | 30.5 | 31.3 | 31.0 | 31.8 | 32.3 | 22.6 | 23.4 | 23.0 | 23.9 | 24.3 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 29.0 | 29.9 | 29.4 | 30.3 | 30.8 | 22.8 | 23.7 | 23.3 | 24.2 | 24.6 |
| | 6H | 29.8 | 30.6 | 30.3 | 31.1 | 31.5 | 23.4 | 24.2 | 23.9 | 24.6 | 25.1 |
| | 8H | 30.5 | 31.2 | 31.0 | 31.7 | 32.2 | 23.6 | 24.3 | 24.1 | 24.8 | 25.3 |
| | 12H | 31.2 | 31.8 | 31.7 | 32.3 | 32.8 | 23.7 | 24.3 | 24.2 | 24.8 | 25.4 |

| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 29.0 | 29.8 | 29.5 | 30.3 | 30.7 | 23.0 | 23.8 | 23.4 | 24.3 | 24.7 |
| | 6H | 29.9 | 30.5 | 30.4 | 31.0 | 31.5 | 23.6 | 24.3 | 24.1 | 24.8 | 25.3 |
| | 8H | 30.6 | 31.2 | 31.1 | 31.7 | 32.2 | 23.9 | 24.5 | 24.4 | 25.0 | 25.5 |

Maximum UGR = 32.8

POLAR GRAPH



Maximum Candela = 3346.534 Located At Horizontal Angle = 0, Vertical Angle = 26.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (26.5) (Through Max. Cd.)