

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4X-4-L19-830-DMA-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #4792155383.02

[TESTLAB] UL, LLC

[ISSUE DATE] 2026-05-13

[TEST DATE] 3/19/2026

[MANUFAC] H E Williams Inc

[LUMCAT] LRX4x-4-L19-830-DMA-DIM-UNV\_

[LUMINAIRE] Nominal 4" x 4' suspended linear fixture (CRS construction

[MORE] ) with diffused acrylic shielding

[OTHER] This test was performed using the calibrated photodetector method

[MORE] of absolute photometry.

[OTHER] The reported results were measured in a facility that meets the

[MORE] requirements of ANSI/IES LM-75-19. The device under test emits no

[MORE] detectable uplight as defined by ANSI/IES LM-75-19.

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 7552            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 114             |
| Total Luminaire Watts           | 66.4            |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 1.18            |
| Spacing Criterion (90-270)      | 1.08            |
| Spacing Criterion (Diagonal)    | 1.22            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 4.00 ft         |
| Luminous Width (90-270)         | 0.40 ft         |
| Luminous Height                 | 0.00 ft         |

### LUMINANCE DATA (cd/sq.m)

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 18420            | 16331             | 14457             |
| 55                  | 16124            | 13936             | 11837             |
| 65                  | 13719            | 11463             | 9523              |
| 75                  | 11015            | 8608              | 7011              |
| 85                  | 7133             | 4421              | 3384              |

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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  | 3497.979   | 3497.979    | 3497.979    | 3497.979    | 3497.979    |
| 0.5  | 3515.079   | 3490.379    | 3498.929    | 3496.079    | 3494.179    |
| 1.0  | 3514.129   | 3489.429    | 3497.979    | 3495.129    | 3493.229    |
| 1.5  | 3513.179   | 3487.529    | 3497.029    | 3493.229    | 3491.329    |
| 2.0  | 3511.279   | 3486.578    | 3494.179    | 3489.429    | 3490.379    |
| 2.5  | 3510.329   | 3484.678    | 3492.279    | 3487.529    | 3486.578    |
| 3.0  | 3507.479   | 3481.828    | 3489.429    | 3482.778    | 3481.828    |
| 3.5  | 3505.579   | 3478.978    | 3485.628    | 3478.978    | 3477.078    |
| 4.0  | 3500.829   | 3475.178    | 3481.828    | 3474.228    | 3471.378    |
| 4.5  | 3498.929   | 3471.378    | 3477.078    | 3468.528    | 3464.728    |
| 5.0  | 3494.179   | 3467.578    | 3471.378    | 3462.828    | 3459.028    |
| 5.5  | 3492.279   | 3461.878    | 3465.678    | 3455.228    | 3450.478    |
| 6.0  | 3483.728   | 3457.128    | 3459.028    | 3447.628    | 3442.878    |
| 6.5  | 3478.978   | 3452.378    | 3451.428    | 3439.077    | 3433.377    |
| 7.0  | 3473.278   | 3445.728    | 3444.778    | 3430.527    | 3424.827    |
| 7.5  | 3467.578   | 3439.077    | 3436.227    | 3421.027    | 3414.377    |
| 8.0  | 3460.928   | 3431.477    | 3428.627    | 3410.577    | 3402.977    |
| 8.5  | 3454.278   | 3424.827    | 3420.077    | 3399.177    | 3391.576    |
| 9.0  | 3446.678   | 3417.227    | 3409.627    | 3387.776    | 3380.176    |
| 9.5  | 3438.127   | 3407.727    | 3400.127    | 3375.426    | 3366.876    |
| 10.0 | 3431.477   | 3399.177    | 3388.726    | 3364.026    | 3354.526    |
| 10.5 | 3421.027   | 3389.676    | 3378.276    | 3351.675    | 3341.225    |
| 11.0 | 3411.527   | 3380.176    | 3365.926    | 3337.425    | 3327.925    |
| 11.5 | 3402.027   | 3369.726    | 3353.575    | 3323.175    | 3311.775    |
| 12.0 | 3391.576   | 3359.276    | 3341.225    | 3307.974    | 3296.574    |
| 12.5 | 3379.226   | 3346.925    | 3327.925    | 3292.774    | 3279.474    |
| 13.0 | 3368.776   | 3335.525    | 3313.675    | 3276.624    | 3263.323    |
| 13.5 | 3358.326   | 3323.175    | 3299.424    | 3260.473    | 3247.173    |
| 14.0 | 3345.025   | 3310.825    | 3285.174    | 3242.423    | 3228.173    |
| 14.5 | 3333.625   | 3296.574    | 3269.024    | 3225.323    | 3210.122    |
| 15.0 | 3320.325   | 3283.274    | 3252.873    | 3207.272    | 3191.122    |
| 15.5 | 3307.024   | 3269.024    | 3236.723    | 3188.272    | 3172.121    |
| 16.0 | 3292.774   | 3254.773    | 3219.622    | 3169.271    | 3151.221    |
| 16.5 | 3279.474   | 3240.523    | 3202.522    | 3149.321    | 3131.270    |
| 17.0 | 3264.273   | 3224.373    | 3184.472    | 3129.370    | 3109.420    |
| 17.5 | 3250.023   | 3208.222    | 3167.371    | 3108.470    | 3087.570    |
| 18.0 | 3233.873   | 3193.022    | 3148.371    | 3087.570    | 3065.719    |
| 18.5 | 3219.622   | 3175.921    | 3129.370    | 3065.719    | 3041.968    |
| 19.0 | 3202.522   | 3158.821    | 3109.420    | 3042.918    | 3018.218    |
| 19.5 | 3186.372   | 3141.721    | 3089.470    | 3021.068    | 2994.467    |
| 20.0 | 3169.271   | 3123.670    | 3068.569    | 2998.267    | 2970.717    |
| 20.5 | 3152.171   | 3105.620    | 3047.669    | 2974.517    | 2946.016    |
| 21.0 | 3134.121   | 3087.570    | 3026.768    | 2950.766    | 2920.366    |
| 21.5 | 3117.020   | 3067.619    | 3004.918    | 2926.066    | 2895.665    |
| 22.0 | 3098.020   | 3048.619    | 2982.117    | 2901.365    | 2870.965    |
| 22.5 | 3079.019   | 3028.668    | 2959.317    | 2876.665    | 2844.364    |
| 23.0 | 3060.969   | 3009.668    | 2937.466    | 2850.064    | 2817.763    |
| 23.5 | 3041.968   | 2988.767    | 2913.716    | 2824.414    | 2791.163    |
| 24.0 | 3022.018   | 2967.867    | 2889.965    | 2798.763    | 2763.612    |
| 24.5 | 3002.068   | 2946.966    | 2865.265    | 2772.162    | 2737.012    |
| 25.0 | 2981.167   | 2926.066    | 2841.514    | 2745.562    | 2709.461    |
| 25.5 | 2959.317   | 2903.265    | 2816.813    | 2718.011    | 2680.010    |
| 26.0 | 2938.416   | 2881.415    | 2790.213    | 2690.461    | 2651.510    |
| 26.5 | 2917.516   | 2858.614    | 2765.512    | 2662.910    | 2622.059    |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 27.0 | 2894.715 | 2835.814 | 2738.912 | 2634.409 | 2593.558 |
| 27.5 | 2870.965 | 2812.063 | 2713.261 | 2605.909 | 2565.058 |
| 28.0 | 2849.114 | 2789.263 | 2686.660 | 2576.458 | 2534.657 |
| 28.5 | 2826.314 | 2765.512 | 2661.010 | 2547.957 | 2505.206 |
| 29.0 | 2803.513 | 2741.762 | 2634.409 | 2518.507 | 2476.706 |
| 29.5 | 2776.913 | 2717.061 | 2606.859 | 2489.056 | 2446.305 |
| 30.0 | 2751.262 | 2691.411 | 2579.308 | 2459.605 | 2416.854 |
| 30.5 | 2727.511 | 2666.710 | 2552.707 | 2431.105 | 2386.454 |
| 31.0 | 2702.811 | 2642.009 | 2525.157 | 2401.654 | 2356.053 |
| 31.5 | 2679.060 | 2616.359 | 2497.606 | 2371.253 | 2325.652 |
| 32.0 | 2652.460 | 2590.708 | 2469.106 | 2341.803 | 2296.202 |
| 32.5 | 2627.759 | 2564.108 | 2441.555 | 2311.402 | 2264.851 |
| 33.0 | 2602.109 | 2538.457 | 2412.104 | 2281.951 | 2235.400 |
| 33.5 | 2576.458 | 2511.857 | 2385.504 | 2251.551 | 2203.100 |
| 34.0 | 2551.757 | 2485.256 | 2356.053 | 2222.100 | 2173.649 |
| 34.5 | 2526.107 | 2459.605 | 2327.552 | 2192.649 | 2144.198 |
| 35.0 | 2500.456 | 2432.055 | 2298.102 | 2162.249 | 2113.798 |
| 35.5 | 2473.856 | 2404.504 | 2269.601 | 2133.748 | 2082.447 |
| 36.0 | 2449.155 | 2377.904 | 2241.100 | 2103.347 | 2053.946 |
| 36.5 | 2422.555 | 2350.353 | 2211.650 | 2073.897 | 2023.546 |
| 37.0 | 2395.004 | 2322.802 | 2184.099 | 2044.446 | 1995.045 |
| 37.5 | 2368.403 | 2295.252 | 2155.599 | 2014.045 | 1964.644 |
| 38.0 | 2341.803 | 2266.751 | 2126.148 | 1984.595 | 1934.244 |
| 38.5 | 2314.252 | 2240.150 | 2097.647 | 1955.144 | 1904.793 |
| 39.0 | 2285.751 | 2211.650 | 2069.147 | 1925.693 | 1875.342 |
| 39.5 | 2259.151 | 2184.099 | 2039.696 | 1896.243 | 1845.892 |
| 40.0 | 2231.600 | 2155.599 | 2011.195 | 1868.692 | 1817.391 |
| 40.5 | 2202.150 | 2128.048 | 1981.745 | 1839.241 | 1786.990 |
| 41.0 | 2174.599 | 2099.547 | 1953.244 | 1809.791 | 1755.640 |
| 41.5 | 2147.048 | 2071.997 | 1924.743 | 1780.340 | 1726.189 |
| 42.0 | 2117.598 | 2043.496 | 1896.243 | 1749.939 | 1695.788 |
| 42.5 | 2087.197 | 2014.045 | 1867.742 | 1721.439 | 1666.338 |
| 43.0 | 2058.696 | 1985.545 | 1839.241 | 1690.088 | 1636.887 |
| 43.5 | 2031.146 | 1957.994 | 1810.741 | 1660.637 | 1609.336 |
| 44.0 | 2000.745 | 1929.493 | 1782.240 | 1633.087 | 1580.836 |
| 44.5 | 1972.244 | 1900.993 | 1750.889 | 1604.586 | 1552.335 |
| 45.0 | 1942.794 | 1873.442 | 1722.389 | 1577.036 | 1524.784 |
| 45.5 | 1913.343 | 1843.992 | 1692.938 | 1549.485 | 1496.284 |
| 46.0 | 1884.842 | 1816.441 | 1665.387 | 1521.934 | 1468.733 |
| 46.5 | 1856.342 | 1787.940 | 1637.837 | 1495.334 | 1442.132 |
| 47.0 | 1826.891 | 1759.440 | 1610.286 | 1467.783 | 1414.582 |
| 47.5 | 1797.440 | 1729.039 | 1583.686 | 1441.182 | 1387.981 |
| 48.0 | 1768.940 | 1699.588 | 1557.085 | 1414.582 | 1360.431 |
| 48.5 | 1739.489 | 1672.038 | 1529.534 | 1387.981 | 1333.830 |
| 49.0 | 1708.138 | 1643.537 | 1502.934 | 1361.381 | 1308.179 |
| 49.5 | 1680.588 | 1616.936 | 1477.283 | 1334.780 | 1282.529 |
| 50.0 | 1652.087 | 1589.386 | 1450.683 | 1309.129 | 1256.878 |
| 50.5 | 1625.487 | 1561.835 | 1424.082 | 1283.479 | 1231.228 |
| 51.0 | 1596.986 | 1535.235 | 1397.481 | 1256.878 | 1205.577 |
| 51.5 | 1569.435 | 1507.684 | 1371.831 | 1232.178 | 1180.877 |
| 52.0 | 1542.835 | 1480.133 | 1345.230 | 1206.527 | 1156.176 |
| 52.5 | 1515.284 | 1453.533 | 1319.580 | 1181.827 | 1132.425 |
| 53.0 | 1487.733 | 1426.932 | 1293.929 | 1157.126 | 1108.675 |
| 53.5 | 1460.183 | 1400.332 | 1269.229 | 1132.425 | 1083.974 |
| 54.0 | 1433.582 | 1373.731 | 1242.628 | 1108.675 | 1060.224 |
| 54.5 | 1406.032 | 1348.080 | 1217.927 | 1083.974 | 1036.473 |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 55.0 | 1379.431 | 1321.480 | 1192.277 | 1061.174 | 1012.723 |
| 55.5 | 1351.880 | 1295.829 | 1167.576 | 1036.473 | 989.922  |
| 56.0 | 1324.330 | 1269.229 | 1142.876 | 1013.673 | 967.122  |
| 56.5 | 1297.729 | 1243.578 | 1118.175 | 990.872  | 945.746  |
| 57.0 | 1270.179 | 1217.927 | 1092.525 | 968.072  | 923.231  |
| 57.5 | 1243.578 | 1193.227 | 1068.774 | 945.271  | 901.285  |
| 58.0 | 1216.977 | 1167.576 | 1044.074 | 922.851  | 879.720  |
| 58.5 | 1190.377 | 1141.926 | 1019.373 | 900.715  | 858.154  |
| 59.0 | 1163.776 | 1117.225 | 995.622  | 878.960  | 836.779  |
| 59.5 | 1137.176 | 1092.525 | 971.872  | 857.204  | 815.973  |
| 60.0 | 1111.525 | 1067.824 | 947.931  | 835.354  | 795.263  |
| 60.5 | 1085.874 | 1043.123 | 924.751  | 814.073  | 774.552  |
| 61.0 | 1060.224 | 1019.373 | 901.095  | 792.983  | 754.222  |
| 61.5 | 1035.523 | 994.672  | 878.105  | 771.702  | 734.177  |
| 62.0 | 1009.873 | 969.972  | 854.924  | 751.372  | 714.796  |
| 62.5 | 985.172  | 946.506  | 832.504  | 730.946  | 695.036  |
| 63.0 | 960.472  | 923.041  | 810.178  | 710.616  | 675.655  |
| 63.5 | 936.246  | 899.575  | 787.853  | 690.096  | 656.085  |
| 64.0 | 912.686  | 876.300  | 766.097  | 670.335  | 637.274  |
| 64.5 | 888.365  | 853.024  | 744.152  | 650.670  | 618.559  |
| 65.0 | 864.804  | 830.224  | 722.586  | 631.004  | 600.319  |
| 65.5 | 841.434  | 807.138  | 700.831  | 611.719  | 581.698  |
| 66.0 | 818.158  | 784.243  | 679.835  | 592.908  | 563.458  |
| 66.5 | 795.073  | 761.632  | 658.745  | 573.813  | 545.027  |
| 67.0 | 771.702  | 739.212  | 637.939  | 554.907  | 527.357  |
| 67.5 | 748.332  | 716.791  | 617.419  | 536.667  | 509.686  |
| 68.0 | 725.911  | 694.751  | 596.708  | 518.332  | 491.826  |
| 68.5 | 703.016  | 672.900  | 576.473  | 500.281  | 474.631  |
| 69.0 | 680.310  | 651.050  | 556.428  | 482.326  | 457.530  |
| 69.5 | 658.270  | 629.294  | 536.857  | 464.560  | 440.905  |
| 70.0 | 635.944  | 607.634  | 516.907  | 447.175  | 424.090  |
| 70.5 | 613.904  | 586.353  | 497.336  | 429.885  | 407.844  |
| 71.0 | 591.863  | 565.263  | 478.336  | 413.069  | 391.409  |
| 71.5 | 570.298  | 543.982  | 459.335  | 396.349  | 375.543  |
| 72.0 | 548.827  | 523.272  | 440.525  | 379.724  | 359.678  |
| 72.5 | 527.452  | 502.751  | 421.809  | 363.478  | 344.288  |
| 73.0 | 506.646  | 482.516  | 403.474  | 347.138  | 329.182  |
| 73.5 | 485.841  | 461.995  | 385.424  | 331.557  | 314.077  |
| 74.0 | 465.415  | 441.855  | 367.563  | 315.882  | 299.067  |
| 74.5 | 445.180  | 422.095  | 349.893  | 300.682  | 284.816  |
| 75.0 | 425.230  | 402.619  | 332.317  | 285.386  | 270.661  |
| 75.5 | 405.659  | 383.524  | 315.312  | 270.851  | 256.601  |
| 76.0 | 386.564  | 364.618  | 298.687  | 256.316  | 243.015  |
| 76.5 | 367.373  | 345.713  | 282.061  | 242.350  | 229.715  |
| 77.0 | 349.228  | 327.282  | 266.101  | 228.385  | 216.510  |
| 77.5 | 330.797  | 309.137  | 250.236  | 214.895  | 203.590  |
| 78.0 | 312.462  | 291.277  | 234.560  | 201.690  | 191.334  |
| 78.5 | 294.317  | 273.606  | 219.550  | 188.864  | 178.889  |
| 79.0 | 277.026  | 256.601  | 204.825  | 176.229  | 166.919  |
| 79.5 | 260.021  | 239.310  | 190.479  | 163.594  | 155.233  |
| 80.0 | 243.110  | 222.780  | 176.229  | 151.718  | 143.928  |
| 80.5 | 226.295  | 206.345  | 162.359  | 139.938  | 132.718  |
| 81.0 | 210.050  | 190.384  | 149.058  | 128.728  | 122.078  |
| 81.5 | 193.994  | 174.899  | 136.043  | 117.613  | 111.533  |
| 82.0 | 178.509  | 159.224  | 123.693  | 106.782  | 101.082  |
| 82.5 | 163.404  | 144.403  | 111.533  | 96.237   | 91.107   |

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**CANDELA TABULATION - (Cont.)**

|       |         |         |        |        |        |
|-------|---------|---------|--------|--------|--------|
| 83.0  | 148.488 | 129.773 | 99.752 | 85.977 | 80.942 |
| 83.5  | 133.763 | 115.808 | 88.637 | 75.907 | 71.252 |
| 84.0  | 119.703 | 102.127 | 77.807 | 66.026 | 61.846 |
| 84.5  | 105.832 | 89.207  | 67.452 | 56.621 | 52.821 |
| 85.0  | 92.722  | 76.762  | 57.476 | 47.786 | 43.986 |
| 85.5  | 79.992  | 64.791  | 47.976 | 38.761 | 34.486 |
| 86.0  | 68.022  | 53.391  | 39.426 | 29.451 | 24.036 |
| 86.5  | 56.146  | 43.131  | 31.161 | 18.620 | 14.820 |
| 87.0  | 45.221  | 33.441  | 22.231 | 11.780 | 10.545 |
| 87.5  | 35.056  | 24.891  | 12.825 | 9.025  | 8.265  |
| 88.0  | 25.651  | 17.005  | 8.075  | 6.935  | 6.460  |
| 88.5  | 17.670  | 9.500   | 5.985  | 5.035  | 4.465  |
| 89.0  | 11.115  | 4.750   | 3.990  | 3.230  | 2.850  |
| 89.5  | 5.510   | 2.565   | 2.185  | 1.615  | 1.425  |
| 90.0  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 90.5  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 91.0  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 91.5  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 92.0  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 92.5  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 93.0  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 93.5  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 94.0  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 94.5  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 95.0  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 95.5  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 96.0  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 96.5  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 97.0  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 97.5  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 98.0  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 98.5  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 99.0  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 99.5  | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 100.0 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 100.5 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 101.0 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 101.5 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 102.0 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 102.5 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 103.0 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 103.5 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 104.0 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 104.5 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 105.0 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 105.5 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 106.0 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 106.5 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 107.0 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 107.5 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 108.0 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 108.5 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 109.0 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 109.5 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 110.0 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |
| 110.5 | 0.000   | 0.000   | 0.000  | 0.000  | 0.000  |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : LRX4X-4-L19-830-DMA-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : LRX4X-4-L19-830-DMA-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : LRX4X-4-L19-830-DMA-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

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



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX4X-4-L19-830-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 1242.51 | N.A.  | 16.50  |
| 0-30    | 2546.93 | N.A.  | 33.70  |
| 0-40    | 3983.83 | N.A.  | 52.80  |
| 0-60    | 6384.25 | N.A.  | 84.50  |
| 0-80    | 7473.52 | N.A.  | 99.00  |
| 0-90    | 7551.73 | N.A.  | 100.00 |
| 10-90   | 7223.21 | N.A.  | 95.60  |
| 20-40   | 2741.32 | N.A.  | 36.30  |
| 20-50   | 4073.8  | N.A.  | 53.90  |
| 40-70   | 3124.23 | N.A.  | 41.40  |
| 60-80   | 1089.26 | N.A.  | 14.40  |
| 70-80   | 365.45  | N.A.  | 4.80   |
| 80-90   | 78.21   | N.A.  | 1.00   |
| 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   | 7551.73 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 328.51  |
| 10-20   | 914.00  |
| 20-30   | 1304.42 |
| 30-40   | 1436.9  |
| 40-50   | 1332.48 |
| 50-60   | 1067.94 |
| 60-70   | 723.81  |
| 70-80   | 365.45  |
| 80-90   | 78.21   |
| 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 : LRX4X-4-L19-830-DMA-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  | 110 | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  | 95  | 93  | 91  | 92  | 90  | 88  | 86  |
| 2  | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 78  | 75  | 73  |
| 3  | 93  | 83  | 75  | 69  | 90  | 81  | 74  | 69  | 78  | 72  | 67  | 76  | 71  | 66  | 73  | 69  | 65  | 63  |
| 4  | 85  | 74  | 66  | 60  | 83  | 73  | 65  | 59  | 70  | 64  | 58  | 68  | 62  | 58  | 66  | 61  | 57  | 55  |
| 5  | 79  | 67  | 58  | 52  | 77  | 66  | 58  | 52  | 64  | 57  | 51  | 62  | 56  | 51  | 60  | 54  | 50  | 48  |
| 6  | 73  | 61  | 52  | 46  | 71  | 60  | 52  | 46  | 58  | 51  | 45  | 56  | 50  | 45  | 55  | 49  | 45  | 43  |
| 7  | 68  | 55  | 47  | 41  | 66  | 54  | 47  | 41  | 53  | 46  | 41  | 51  | 45  | 40  | 50  | 44  | 40  | 38  |
| 8  | 64  | 51  | 43  | 37  | 62  | 50  | 42  | 37  | 49  | 42  | 37  | 47  | 41  | 36  | 46  | 41  | 36  | 34  |
| 9  | 60  | 47  | 39  | 34  | 58  | 46  | 39  | 33  | 45  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  | 31  |
| 10 | 56  | 43  | 36  | 31  | 55  | 43  | 35  | 31  | 42  | 35  | 30  | 41  | 35  | 30  | 40  | 34  | 30  | 28  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX4X-4-L19-830-DMA-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 | 21.5 | 23.1 | 21.9 | 23.4 | 23.7 | 19.8 | 21.3 | 20.2 | 21.6 | 22.0 |
|      | 3H   | 23.1 | 24.5 | 23.5 | 24.8 | 25.2 | 21.1 | 22.5 | 21.5 | 22.8 | 23.2 |
|      | 4H   | 23.7 | 25.0 | 24.1 | 25.3 | 25.7 | 21.6 | 22.9 | 22.0 | 23.2 | 23.6 |
|      | 6H   | 24.0 | 25.2 | 24.5 | 25.6 | 26.0 | 21.8 | 23.0 | 22.2 | 23.4 | 23.8 |
|      | 8H   | 24.1 | 25.3 | 24.6 | 25.7 | 26.1 | 21.9 | 23.0 | 22.3 | 23.4 | 23.8 |
|      | 12H  | 24.2 | 25.3 | 24.6 | 25.7 | 26.1 | 21.9 | 23.0 | 22.3 | 23.4 | 23.8 |

UGR Viewed Endwise

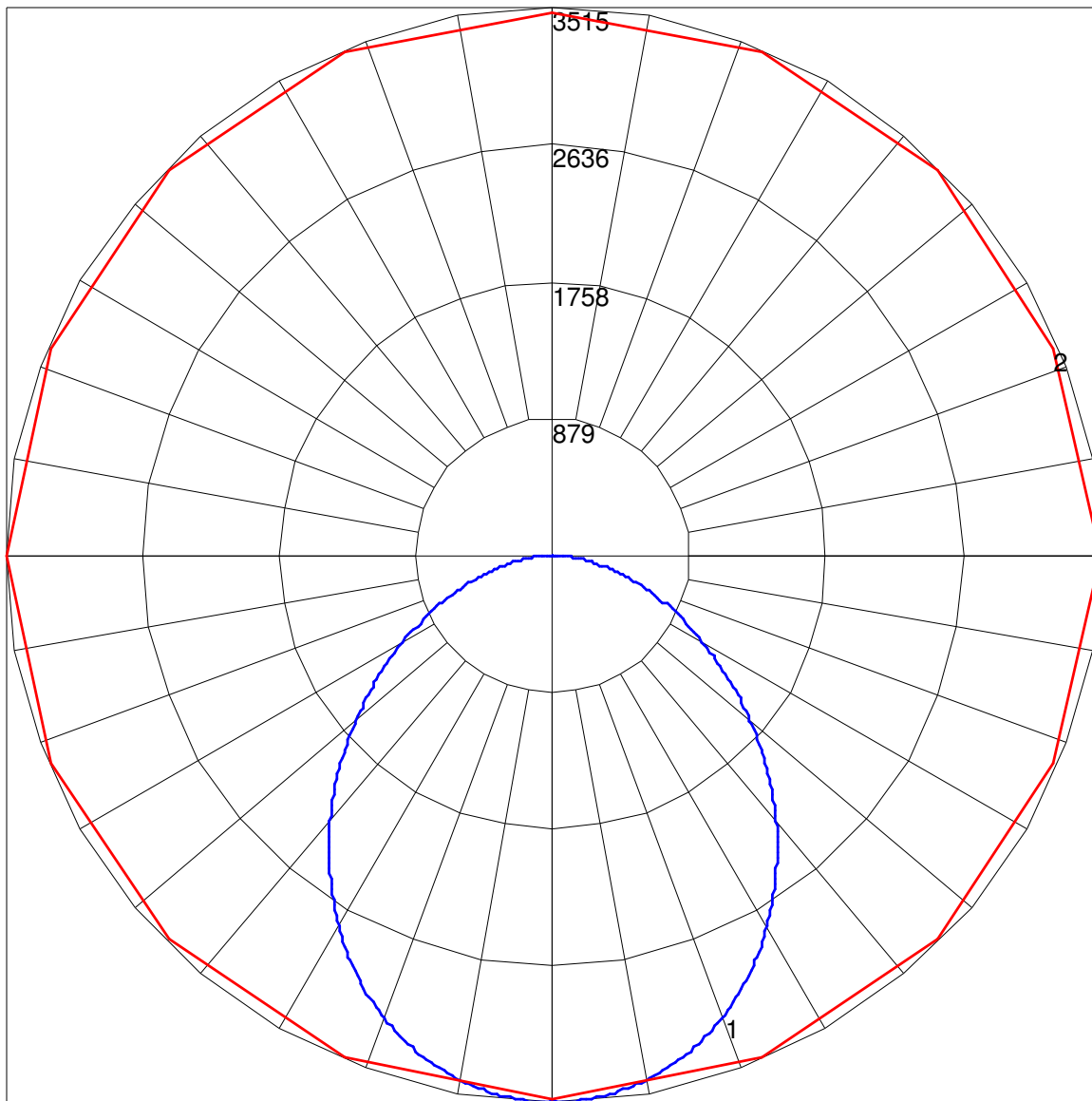
|    |     |      |      |      |      |      |      |      |      |      |      |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H  | 21.9 | 23.2 | 22.3 | 23.5 | 23.9 | 20.5 | 21.8 | 20.9 | 22.1 | 22.5 |
|    | 3H  | 23.7 | 24.8 | 24.1 | 25.2 | 25.6 | 22.0 | 23.1 | 22.4 | 23.5 | 23.9 |
|    | 4H  | 24.4 | 25.3 | 24.8 | 25.8 | 26.2 | 22.5 | 23.5 | 23.0 | 23.9 | 24.4 |
|    | 6H  | 24.9 | 25.7 | 25.3 | 26.2 | 26.6 | 22.9 | 23.7 | 23.3 | 24.2 | 24.6 |
|    | 8H  | 25.0 | 25.8 | 25.5 | 26.3 | 26.7 | 23.0 | 23.7 | 23.4 | 24.2 | 24.7 |
|    | 12H | 25.1 | 25.8 | 25.6 | 26.3 | 26.8 | 23.0 | 23.7 | 23.5 | 24.2 | 24.6 |

|    |     |      |      |      |      |      |      |      |      |      |      |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H  | 24.5 | 25.3 | 25.0 | 25.7 | 26.2 | 22.8 | 23.6 | 23.3 | 24.1 | 24.5 |
|    | 6H  | 25.1 | 25.7 | 25.6 | 26.2 | 26.7 | 23.3 | 23.9 | 23.7 | 24.4 | 24.9 |
|    | 8H  | 25.3 | 25.9 | 25.8 | 26.4 | 26.9 | 23.4 | 24.0 | 23.9 | 24.5 | 25.0 |
|    | 12H | 25.4 | 26.0 | 25.9 | 26.4 | 27.0 | 23.4 | 24.0 | 24.0 | 24.5 | 25.0 |

|     |    |      |      |      |      |      |      |      |      |      |      |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 24.5 | 25.2 | 25.0 | 25.7 | 26.2 | 22.9 | 23.6 | 23.3 | 24.0 | 24.5 |
|     | 6H | 25.1 | 25.7 | 25.6 | 26.2 | 26.7 | 23.3 | 23.9 | 23.8 | 24.4 | 24.9 |
|     | 8H | 25.3 | 25.8 | 25.8 | 26.3 | 26.9 | 23.5 | 24.0 | 24.0 | 24.5 | 25.0 |

Maximum UGR = 27.0

POLAR GRAPH



Maximum Candela = 3515.079 Located At Horizontal Angle = 0, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)