

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4X-8-L15-927-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-8-L15-927-DMA-DIM-UNV\_

[LUMINAIRE] Nominal 4" x 8' 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                | 9606            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 94              |
| Total Luminaire Watts           | 102.4           |
| 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)         | 8.00 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                  | 11716            | 10387             | 9195              |
| 55                  | 10255            | 8864              | 7529              |
| 65                  | 8726             | 7291              | 6057              |
| 75                  | 7006             | 5475              | 4459              |
| 85                  | 4537             | 2812              | 2152              |

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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  | 4449.712   | 4449.712    | 4449.712    | 4449.712    | 4449.712    |
| 0.5  | 4471.465   | 4440.044    | 4450.920    | 4447.295    | 4444.878    |
| 1.0  | 4470.256   | 4438.835    | 4449.712    | 4446.086    | 4443.669    |
| 1.5  | 4469.048   | 4436.418    | 4448.503    | 4443.669    | 4441.252    |
| 2.0  | 4466.631   | 4435.210    | 4444.878    | 4438.835    | 4440.044    |
| 2.5  | 4465.422   | 4432.793    | 4442.461    | 4436.418    | 4435.210    |
| 3.0  | 4461.797   | 4429.167    | 4438.835    | 4430.376    | 4429.167    |
| 3.5  | 4459.380   | 4425.542    | 4434.001    | 4425.542    | 4423.124    |
| 4.0  | 4453.337   | 4420.707    | 4429.167    | 4419.499    | 4415.873    |
| 4.5  | 4450.920   | 4415.873    | 4423.124    | 4412.248    | 4407.414    |
| 5.0  | 4444.878   | 4411.039    | 4415.873    | 4404.997    | 4400.163    |
| 5.5  | 4442.461   | 4403.788    | 4408.622    | 4395.329    | 4389.286    |
| 6.0  | 4431.584   | 4397.746    | 4400.163    | 4385.661    | 4379.618    |
| 6.5  | 4425.542   | 4391.703    | 4390.495    | 4374.784    | 4367.533    |
| 7.0  | 4418.290   | 4383.244    | 4382.035    | 4363.908    | 4356.657    |
| 7.5  | 4411.039   | 4374.784    | 4371.159    | 4351.823    | 4343.363    |
| 8.0  | 4402.580   | 4365.116    | 4361.491    | 4338.529    | 4328.861    |
| 8.5  | 4394.120   | 4356.657    | 4350.614    | 4324.027    | 4314.359    |
| 9.0  | 4384.452   | 4346.989    | 4337.321    | 4309.525    | 4299.857    |
| 9.5  | 4373.576   | 4334.904    | 4325.236    | 4293.815    | 4282.938    |
| 10.0 | 4365.116   | 4324.027    | 4310.734    | 4279.313    | 4267.227    |
| 10.5 | 4351.823   | 4311.942    | 4297.440    | 4263.602    | 4250.308    |
| 11.0 | 4339.738   | 4299.857    | 4281.730    | 4245.474    | 4233.389    |
| 11.5 | 4327.653   | 4286.564    | 4266.019    | 4227.347    | 4212.845    |
| 12.0 | 4314.359   | 4273.270    | 4250.308    | 4208.011    | 4193.509    |
| 12.5 | 4298.649   | 4257.559    | 4233.389    | 4188.675    | 4171.756    |
| 13.0 | 4285.355   | 4243.057    | 4215.262    | 4168.130    | 4151.211    |
| 13.5 | 4272.062   | 4227.347    | 4197.134    | 4147.586    | 4130.667    |
| 14.0 | 4255.142   | 4211.636    | 4179.007    | 4124.624    | 4106.496    |
| 14.5 | 4240.640   | 4193.509    | 4158.462    | 4102.871    | 4083.535    |
| 15.0 | 4223.721   | 4176.590    | 4137.918    | 4079.909    | 4059.365    |
| 15.5 | 4206.802   | 4158.462    | 4117.373    | 4055.739    | 4035.195    |
| 16.0 | 4188.675   | 4140.335    | 4095.620    | 4031.569    | 4008.608    |
| 16.5 | 4171.756   | 4122.207    | 4073.867    | 4006.191    | 3983.229    |
| 17.0 | 4152.420   | 4101.662    | 4050.905    | 3980.812    | 3955.433    |
| 17.5 | 4134.292   | 4081.118    | 4029.152    | 3954.225    | 3927.638    |
| 18.0 | 4113.747   | 4061.782    | 4004.982    | 3927.638    | 3899.842    |
| 18.5 | 4095.620   | 4040.029    | 3980.812    | 3899.842    | 3869.630    |
| 19.0 | 4073.867   | 4018.276    | 3955.433    | 3870.838    | 3839.417    |
| 19.5 | 4053.322   | 3996.523    | 3930.055    | 3843.043    | 3809.204    |
| 20.0 | 4031.569   | 3973.561    | 3903.468    | 3814.039    | 3778.992    |
| 20.5 | 4009.816   | 3950.599    | 3876.881    | 3783.826    | 3747.571    |
| 21.0 | 3986.855   | 3927.638    | 3850.294    | 3753.613    | 3714.941    |
| 21.5 | 3965.101   | 3902.259    | 3822.498    | 3722.192    | 3683.520    |
| 22.0 | 3940.931   | 3878.089    | 3793.494    | 3690.771    | 3652.099    |
| 22.5 | 3916.761   | 3852.711    | 3764.490    | 3659.350    | 3618.261    |
| 23.0 | 3893.800   | 3828.541    | 3736.694    | 3625.512    | 3584.423    |
| 23.5 | 3869.630   | 3801.953    | 3706.482    | 3592.882    | 3550.585    |
| 24.0 | 3844.251   | 3775.366    | 3676.269    | 3560.253    | 3515.538    |
| 24.5 | 3818.873   | 3748.779    | 3644.848    | 3526.415    | 3481.700    |
| 25.0 | 3792.285   | 3722.192    | 3614.635    | 3492.576    | 3446.653    |
| 25.5 | 3764.490   | 3693.188    | 3583.214    | 3457.530    | 3409.190    |
| 26.0 | 3737.903   | 3665.393    | 3549.376    | 3422.483    | 3372.935    |
| 26.5 | 3711.316   | 3636.388    | 3517.955    | 3387.437    | 3335.471    |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 27.0 | 3682.312 | 3607.384 | 3484.117 | 3351.181 | 3299.216 |
| 27.5 | 3652.099 | 3577.172 | 3451.487 | 3314.926 | 3262.961 |
| 28.0 | 3624.303 | 3548.168 | 3417.649 | 3277.463 | 3224.289 |
| 28.5 | 3595.299 | 3517.955 | 3385.020 | 3241.208 | 3186.825 |
| 29.0 | 3566.295 | 3487.742 | 3351.181 | 3203.744 | 3150.570 |
| 29.5 | 3532.457 | 3456.321 | 3316.135 | 3166.280 | 3111.898 |
| 30.0 | 3499.827 | 3423.692 | 3281.088 | 3128.817 | 3074.434 |
| 30.5 | 3469.615 | 3392.271 | 3247.250 | 3092.562 | 3035.762 |
| 31.0 | 3438.194 | 3360.850 | 3212.204 | 3055.098 | 2997.090 |
| 31.5 | 3407.981 | 3328.220 | 3177.157 | 3016.426 | 2958.418 |
| 32.0 | 3374.143 | 3295.590 | 3140.902 | 2978.962 | 2920.954 |
| 32.5 | 3342.722 | 3261.752 | 3105.855 | 2940.290 | 2881.073 |
| 33.0 | 3310.092 | 3229.123 | 3068.392 | 2902.827 | 2843.610 |
| 33.5 | 3277.463 | 3195.284 | 3034.553 | 2864.154 | 2802.521 |
| 34.0 | 3246.042 | 3161.446 | 2997.090 | 2826.691 | 2765.057 |
| 34.5 | 3213.412 | 3128.817 | 2960.835 | 2789.227 | 2727.593 |
| 35.0 | 3180.782 | 3093.770 | 2923.371 | 2750.555 | 2688.921 |
| 35.5 | 3146.944 | 3058.724 | 2887.116 | 2714.300 | 2649.041 |
| 36.0 | 3115.523 | 3024.885 | 2850.861 | 2675.628 | 2612.786 |
| 36.5 | 3081.685 | 2989.839 | 2813.397 | 2638.164 | 2574.113 |
| 37.0 | 3046.638 | 2954.792 | 2778.351 | 2600.701 | 2537.858 |
| 37.5 | 3012.800 | 2919.746 | 2742.095 | 2562.028 | 2499.186 |
| 38.0 | 2978.962 | 2883.490 | 2704.632 | 2524.565 | 2460.514 |
| 38.5 | 2943.916 | 2849.652 | 2668.377 | 2487.101 | 2423.050 |
| 39.0 | 2907.661 | 2813.397 | 2632.122 | 2449.638 | 2385.587 |
| 39.5 | 2873.822 | 2778.351 | 2594.658 | 2412.174 | 2348.123 |
| 40.0 | 2838.776 | 2742.095 | 2558.403 | 2377.127 | 2311.868 |
| 40.5 | 2801.312 | 2707.049 | 2520.939 | 2339.664 | 2273.196 |
| 41.0 | 2766.266 | 2670.794 | 2484.684 | 2302.200 | 2233.315 |
| 41.5 | 2731.219 | 2635.747 | 2448.429 | 2264.736 | 2195.852 |
| 42.0 | 2693.755 | 2599.492 | 2412.174 | 2226.064 | 2157.180 |
| 42.5 | 2655.083 | 2562.028 | 2375.919 | 2189.809 | 2119.716 |
| 43.0 | 2618.828 | 2525.773 | 2339.664 | 2149.929 | 2082.252 |
| 43.5 | 2583.781 | 2490.727 | 2303.409 | 2112.465 | 2047.206 |
| 44.0 | 2545.109 | 2454.472 | 2267.153 | 2077.418 | 2010.951 |
| 44.5 | 2508.854 | 2418.216 | 2227.273 | 2041.163 | 1974.695 |
| 45.0 | 2471.391 | 2383.170 | 2191.018 | 2006.117 | 1939.649 |
| 45.5 | 2433.927 | 2345.706 | 2153.554 | 1971.070 | 1903.394 |
| 46.0 | 2397.672 | 2310.660 | 2118.507 | 1936.023 | 1868.347 |
| 46.5 | 2361.417 | 2274.404 | 2083.461 | 1902.185 | 1834.509 |
| 47.0 | 2323.953 | 2238.149 | 2048.414 | 1867.139 | 1799.462 |
| 47.5 | 2286.489 | 2199.477 | 2014.576 | 1833.301 | 1765.624 |
| 48.0 | 2250.234 | 2162.014 | 1980.738 | 1799.462 | 1730.578 |
| 48.5 | 2212.771 | 2126.967 | 1945.691 | 1765.624 | 1696.740 |
| 49.0 | 2172.890 | 2090.712 | 1911.853 | 1731.786 | 1664.110 |
| 49.5 | 2137.844 | 2056.874 | 1879.224 | 1697.948 | 1631.480 |
| 50.0 | 2101.588 | 2021.827 | 1845.386 | 1665.318 | 1598.851 |
| 50.5 | 2067.750 | 1986.781 | 1811.547 | 1632.689 | 1566.221 |
| 51.0 | 2031.495 | 1952.942 | 1777.709 | 1598.851 | 1533.592 |
| 51.5 | 1996.449 | 1917.896 | 1745.080 | 1567.430 | 1502.170 |
| 52.0 | 1962.610 | 1882.849 | 1711.242 | 1534.800 | 1470.749 |
| 52.5 | 1927.564 | 1849.011 | 1678.612 | 1503.379 | 1440.537 |
| 53.0 | 1892.517 | 1815.173 | 1645.982 | 1471.958 | 1410.324 |
| 53.5 | 1857.471 | 1781.335 | 1614.561 | 1440.537 | 1378.903 |
| 54.0 | 1823.632 | 1747.497 | 1580.723 | 1410.324 | 1348.690 |
| 54.5 | 1788.586 | 1714.867 | 1549.302 | 1378.903 | 1318.478 |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 55.0 | 1754.748 | 1681.029 | 1516.672 | 1349.899 | 1288.265 |
| 55.5 | 1719.701 | 1648.399 | 1485.251 | 1318.478 | 1259.261 |
| 56.0 | 1684.655 | 1614.561 | 1453.830 | 1289.474 | 1230.257 |
| 56.5 | 1650.816 | 1581.932 | 1422.409 | 1260.470 | 1203.066 |
| 57.0 | 1615.770 | 1549.302 | 1389.780 | 1231.466 | 1174.424 |
| 57.5 | 1581.932 | 1517.881 | 1359.567 | 1202.461 | 1146.508 |
| 58.0 | 1548.094 | 1485.251 | 1328.146 | 1173.941 | 1119.075 |
| 58.5 | 1514.255 | 1452.622 | 1296.725 | 1145.783 | 1091.642 |
| 59.0 | 1480.417 | 1421.201 | 1266.512 | 1118.108 | 1064.450 |
| 59.5 | 1446.579 | 1389.780 | 1236.300 | 1090.433 | 1037.984 |
| 60.0 | 1413.950 | 1358.358 | 1205.845 | 1062.638 | 1011.639 |
| 60.5 | 1381.320 | 1326.937 | 1176.358 | 1035.567 | 985.293  |
| 61.0 | 1348.690 | 1296.725 | 1146.266 | 1008.738 | 959.431  |
| 61.5 | 1317.269 | 1265.304 | 1117.020 | 981.668  | 933.932  |
| 62.0 | 1284.640 | 1233.883 | 1087.533 | 955.806  | 909.278  |
| 62.5 | 1253.219 | 1204.032 | 1059.012 | 929.823  | 884.141  |
| 63.0 | 1221.798 | 1174.182 | 1030.612 | 903.961  | 859.488  |
| 63.5 | 1190.981 | 1144.332 | 1002.212 | 877.857  | 834.593  |
| 64.0 | 1161.010 | 1114.724 | 974.538  | 852.720  | 810.664  |
| 64.5 | 1130.072 | 1085.116 | 946.621  | 827.704  | 786.857  |
| 65.0 | 1100.101 | 1056.112 | 919.188  | 802.688  | 763.654  |
| 65.5 | 1070.372 | 1026.745 | 891.513  | 778.156  | 739.967  |
| 66.0 | 1040.764 | 997.620  | 864.805  | 754.227  | 716.764  |
| 66.5 | 1011.397 | 968.858  | 837.977  | 729.936  | 693.319  |
| 67.0 | 981.668  | 940.337  | 811.510  | 705.887  | 670.841  |
| 67.5 | 951.939  | 911.816  | 785.407  | 682.684  | 648.362  |
| 68.0 | 923.418  | 883.779  | 759.061  | 659.360  | 625.643  |
| 68.5 | 894.293  | 855.983  | 733.320  | 636.398  | 603.769  |
| 69.0 | 865.410  | 828.188  | 707.821  | 613.557  | 582.016  |
| 69.5 | 837.372  | 800.513  | 682.926  | 590.958  | 560.867  |
| 70.0 | 808.973  | 772.959  | 657.547  | 568.843  | 539.476  |
| 70.5 | 780.935  | 745.889  | 632.652  | 546.848  | 518.811  |
| 71.0 | 752.898  | 719.060  | 608.482  | 525.458  | 497.904  |
| 71.5 | 725.465  | 691.989  | 584.312  | 504.188  | 477.722  |
| 72.0 | 698.153  | 665.644  | 560.383  | 483.039  | 457.540  |
| 72.5 | 670.961  | 639.540  | 536.576  | 462.374  | 437.962  |
| 73.0 | 644.495  | 613.799  | 513.252  | 441.587  | 418.747  |
| 73.5 | 618.029  | 587.695  | 490.290  | 421.768  | 399.531  |
| 74.0 | 592.046  | 562.075  | 467.570  | 401.828  | 380.437  |
| 74.5 | 566.305  | 536.938  | 445.092  | 382.492  | 362.309  |
| 75.0 | 540.926  | 512.164  | 422.735  | 363.035  | 344.303  |
| 75.5 | 516.031  | 487.873  | 401.102  | 344.544  | 326.417  |
| 76.0 | 491.740  | 463.824  | 379.954  | 326.054  | 309.135  |
| 76.5 | 467.328  | 439.775  | 358.805  | 308.289  | 292.216  |
| 77.0 | 444.246  | 416.330  | 338.502  | 290.524  | 275.418  |
| 77.5 | 420.801  | 393.247  | 318.320  | 273.364  | 258.982  |
| 78.0 | 397.477  | 370.527  | 298.380  | 256.565  | 243.393  |
| 78.5 | 374.395  | 348.049  | 279.285  | 240.251  | 227.561  |
| 79.0 | 352.400  | 326.417  | 260.553  | 224.177  | 212.334  |
| 79.5 | 330.768  | 304.422  | 242.305  | 208.104  | 197.470  |
| 80.0 | 309.256  | 283.394  | 224.177  | 192.998  | 183.088  |
| 80.5 | 287.866  | 262.487  | 206.533  | 178.013  | 168.828  |
| 81.0 | 267.200  | 242.184  | 189.614  | 163.752  | 155.293  |
| 81.5 | 246.777  | 222.486  | 173.058  | 149.613  | 141.878  |
| 82.0 | 227.078  | 202.545  | 157.347  | 135.836  | 128.585  |
| 82.5 | 207.863  | 183.693  | 141.878  | 122.421  | 115.896  |

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**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 83.0  | 188.889 | 165.082 | 126.893 | 109.370 | 102.965 |
| 83.5  | 170.157 | 147.317 | 112.753 | 96.559  | 90.638  |
| 84.0  | 152.271 | 129.914 | 98.976  | 83.991  | 78.674  |
| 84.5  | 134.627 | 113.479 | 85.804  | 72.027  | 67.193  |
| 85.0  | 117.950 | 97.647  | 73.114  | 60.788  | 55.954  |
| 85.5  | 101.756 | 82.420  | 61.029  | 49.307  | 43.869  |
| 86.0  | 86.529  | 67.918  | 50.153  | 37.464  | 30.575  |
| 86.5  | 71.423  | 54.866  | 39.639  | 23.687  | 18.853  |
| 87.0  | 57.525  | 42.539  | 28.279  | 14.985  | 13.414  |
| 87.5  | 44.594  | 31.663  | 16.315  | 11.481  | 10.514  |
| 88.0  | 32.630  | 21.632  | 10.272  | 8.822   | 8.218   |
| 88.5  | 22.478  | 12.085  | 7.614   | 6.405   | 5.680   |
| 89.0  | 14.139  | 6.043   | 5.076   | 4.109   | 3.626   |
| 89.5  | 7.009   | 3.263   | 2.780   | 2.054   | 1.813   |
| 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-8-L15-927-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-8-L15-927-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-8-L15-927-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-8-L15-927-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 1580.58 | N.A.  | 16.50  |
| 0-30    | 3239.9  | N.A.  | 33.70  |
| 0-40    | 5067.75 | N.A.  | 52.80  |
| 0-60    | 8121.29 | N.A.  | 84.50  |
| 0-80    | 9506.92 | N.A.  | 99.00  |
| 0-90    | 9606.41 | N.A.  | 100.00 |
| 10-90   | 9188.51 | N.A.  | 95.60  |
| 20-40   | 3487.18 | N.A.  | 36.30  |
| 20-50   | 5182.2  | N.A.  | 53.90  |
| 40-70   | 3974.27 | N.A.  | 41.40  |
| 60-80   | 1385.63 | N.A.  | 14.40  |
| 70-80   | 464.89  | N.A.  | 4.80   |
| 80-90   | 99.49   | 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   | 9606.41 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 417.89  |
| 10-20   | 1162.68 |
| 20-30   | 1659.32 |
| 30-40   | 1827.85 |
| 40-50   | 1695.03 |
| 50-60   | 1358.51 |
| 60-70   | 920.74  |
| 70-80   | 464.89  |
| 80-90   | 99.49   |
| 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-8-L15-927-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  | 52  | 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  |

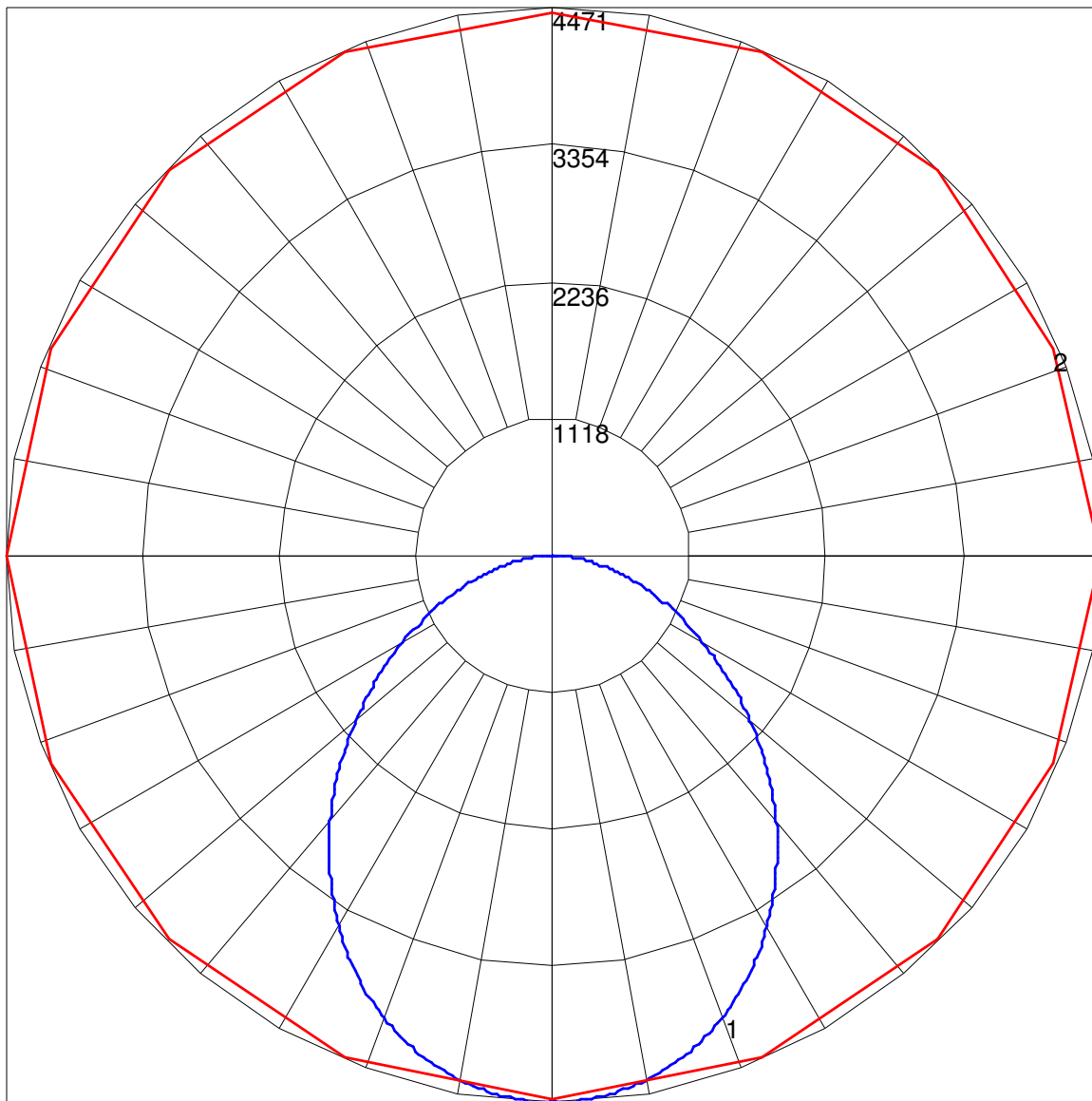
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX4X-8-L15-927-DMA-DIM-UNV\_.IES**

**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 |      |      |      |      | UGR Viewed Endwise |      |      |      |      |
| X=2H           | Y=2H | 20.0                 | 21.6 | 20.4 | 21.9 | 22.2 | 18.3               | 19.8 | 18.7 | 20.1 | 20.5 |
|                | 3H   | 21.6                 | 23.0 | 22.0 | 23.3 | 23.7 | 19.6               | 21.0 | 20.0 | 21.3 | 21.7 |
|                | 4H   | 22.2                 | 23.5 | 22.6 | 23.8 | 24.2 | 20.1               | 21.4 | 20.5 | 21.7 | 22.1 |
|                | 6H   | 22.5                 | 23.7 | 22.9 | 24.1 | 24.5 | 20.3               | 21.5 | 20.7 | 21.9 | 22.3 |
|                | 8H   | 22.6                 | 23.8 | 23.1 | 24.2 | 24.6 | 20.4               | 21.5 | 20.8 | 21.9 | 22.3 |
|                | 12H  | 22.7                 | 23.8 | 23.1 | 24.2 | 24.6 | 20.4               | 21.5 | 20.8 | 21.9 | 22.3 |
| 4H             | 2H   | 20.4                 | 21.7 | 20.8 | 22.0 | 22.4 | 19.0               | 20.3 | 19.4 | 20.6 | 21.0 |
|                | 3H   | 22.2                 | 23.3 | 22.6 | 23.7 | 24.1 | 20.5               | 21.6 | 20.9 | 22.0 | 22.4 |
|                | 4H   | 22.9                 | 23.8 | 23.3 | 24.3 | 24.7 | 21.0               | 22.0 | 21.4 | 22.4 | 22.8 |
|                | 6H   | 23.4                 | 24.2 | 23.8 | 24.7 | 25.1 | 21.4               | 22.2 | 21.8 | 22.7 | 23.1 |
|                | 8H   | 23.5                 | 24.3 | 24.0 | 24.8 | 25.2 | 21.4               | 22.2 | 21.9 | 22.7 | 23.1 |
|                | 12H  | 23.6                 | 24.3 | 24.1 | 24.8 | 25.3 | 21.5               | 22.2 | 22.0 | 22.7 | 23.1 |
| 8H             | 4H   | 23.0                 | 23.8 | 23.5 | 24.2 | 24.7 | 21.3               | 22.1 | 21.8 | 22.6 | 23.0 |
|                | 6H   | 23.6                 | 24.2 | 24.1 | 24.7 | 25.2 | 21.7               | 22.4 | 22.2 | 22.9 | 23.4 |
|                | 8H   | 23.8                 | 24.4 | 24.3 | 24.9 | 25.4 | 21.9               | 22.5 | 22.4 | 23.0 | 23.5 |
|                | 12H  | 23.9                 | 24.4 | 24.4 | 24.9 | 25.5 | 21.9               | 22.5 | 22.4 | 22.9 | 23.5 |
| 12H            | 4H   | 23.0                 | 23.7 | 23.5 | 24.2 | 24.6 | 21.4               | 22.1 | 21.8 | 22.5 | 23.0 |
|                | 6H   | 23.6                 | 24.2 | 24.1 | 24.6 | 25.2 | 21.8               | 22.4 | 22.3 | 22.9 | 23.4 |
|                | 8H   | 23.8                 | 24.3 | 24.3 | 24.8 | 25.4 | 22.0               | 22.5 | 22.5 | 23.0 | 23.5 |

Maximum UGR = 25.5

POLAR GRAPH



Maximum Candela = 4471.465 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.)