

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4X-6-L15-830-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-6-L15-830-DMA-DIM-UNV\_

[LUMINAIRE] Nominal 4" x 6' 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                | 8916            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 116             |
| Total Luminaire Watts           | 76.8            |
| 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)         | 6.00 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                  | 14499            | 12854             | 11379             |
| 55                  | 12691            | 10969             | 9317              |
| 65                  | 10798            | 9023              | 7496              |
| 75                  | 8670             | 6776              | 5518              |
| 85                  | 5614             | 3480              | 2663              |

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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  | 4129.889   | 4129.889    | 4129.889    | 4129.889    | 4129.889    |
| 0.5  | 4150.079   | 4120.916    | 4131.011    | 4127.646    | 4125.403    |
| 1.0  | 4148.957   | 4119.795    | 4129.889    | 4126.524    | 4124.281    |
| 1.5  | 4147.836   | 4117.551    | 4128.768    | 4124.281    | 4122.038    |
| 2.0  | 4145.592   | 4116.430    | 4125.403    | 4119.795    | 4120.916    |
| 2.5  | 4144.471   | 4114.186    | 4123.159    | 4117.551    | 4116.430    |
| 3.0  | 4141.106   | 4110.821    | 4119.795    | 4111.943    | 4110.821    |
| 3.5  | 4138.862   | 4107.456    | 4115.308    | 4107.456    | 4105.213    |
| 4.0  | 4133.254   | 4102.970    | 4110.821    | 4101.848    | 4098.483    |
| 4.5  | 4131.011   | 4098.483    | 4105.213    | 4095.118    | 4090.632    |
| 5.0  | 4125.403   | 4093.997    | 4098.483    | 4088.389    | 4083.902    |
| 5.5  | 4123.159   | 4087.267    | 4091.753    | 4079.415    | 4073.807    |
| 6.0  | 4113.065   | 4081.659    | 4083.902    | 4070.442    | 4064.834    |
| 6.5  | 4107.456   | 4076.050    | 4074.929    | 4060.347    | 4053.618    |
| 7.0  | 4100.727   | 4068.199    | 4067.077    | 4050.253    | 4043.523    |
| 7.5  | 4093.997   | 4060.347    | 4056.983    | 4039.036    | 4031.185    |
| 8.0  | 4086.145   | 4051.374    | 4048.009    | 4026.698    | 4017.725    |
| 8.5  | 4078.294   | 4043.523    | 4037.915    | 4013.238    | 4004.265    |
| 9.0  | 4069.321   | 4034.550    | 4025.577    | 3999.779    | 3990.806    |
| 9.5  | 4059.226   | 4023.333    | 4014.360    | 3985.197    | 3975.103    |
| 10.0 | 4051.374   | 4013.238    | 4000.900    | 3971.738    | 3960.521    |
| 10.5 | 4039.036   | 4002.022    | 3988.562    | 3957.156    | 3944.818    |
| 11.0 | 4027.820   | 3990.806    | 3973.981    | 3940.332    | 3929.115    |
| 11.5 | 4016.603   | 3978.468    | 3959.400    | 3923.507    | 3910.047    |
| 12.0 | 4004.265   | 3966.129    | 3944.818    | 3905.561    | 3892.101    |
| 12.5 | 3989.684   | 3951.548    | 3929.115    | 3887.614    | 3871.911    |
| 13.0 | 3977.346   | 3938.088    | 3912.291    | 3868.547    | 3852.844    |
| 13.5 | 3965.008   | 3923.507    | 3895.466    | 3849.479    | 3833.776    |
| 14.0 | 3949.305   | 3908.926    | 3878.641    | 3828.167    | 3811.343    |
| 14.5 | 3935.845   | 3892.101    | 3859.573    | 3807.978    | 3790.032    |
| 15.0 | 3920.142   | 3876.398    | 3840.505    | 3786.667    | 3767.599    |
| 15.5 | 3904.439   | 3859.573    | 3821.438    | 3764.234    | 3745.166    |
| 16.0 | 3887.614   | 3842.749    | 3801.248    | 3741.801    | 3720.490    |
| 16.5 | 3871.911   | 3825.924    | 3781.058    | 3718.246    | 3696.935    |
| 17.0 | 3853.965   | 3806.856    | 3759.747    | 3694.692    | 3671.137    |
| 17.5 | 3837.141   | 3787.788    | 3739.558    | 3670.016    | 3645.340    |
| 18.0 | 3818.073   | 3769.842    | 3717.125    | 3645.340    | 3619.542    |
| 18.5 | 3801.248   | 3749.652    | 3694.692    | 3619.542    | 3591.501    |
| 19.0 | 3781.058   | 3729.463    | 3671.137    | 3592.622    | 3563.460    |
| 19.5 | 3761.990   | 3709.273    | 3647.583    | 3566.825    | 3535.419    |
| 20.0 | 3741.801   | 3687.962    | 3622.907    | 3539.905    | 3507.377    |
| 20.5 | 3721.611   | 3666.651    | 3598.231    | 3511.864    | 3478.215    |
| 21.0 | 3700.300   | 3645.340    | 3573.554    | 3483.823    | 3447.930    |
| 21.5 | 3680.111   | 3621.785    | 3547.757    | 3454.660    | 3418.768    |
| 22.0 | 3657.678   | 3599.352    | 3520.837    | 3425.498    | 3389.605    |
| 22.5 | 3635.245   | 3575.798    | 3493.918    | 3396.335    | 3358.199    |
| 23.0 | 3613.934   | 3553.365    | 3468.120    | 3364.929    | 3326.793    |
| 23.5 | 3591.501   | 3528.689    | 3440.079    | 3334.644    | 3295.387    |
| 24.0 | 3567.946   | 3504.013    | 3412.038    | 3304.360    | 3262.859    |
| 24.5 | 3544.392   | 3479.336    | 3382.875    | 3272.954    | 3231.453    |
| 25.0 | 3519.716   | 3454.660    | 3354.834    | 3241.548    | 3198.926    |
| 25.5 | 3493.918   | 3427.741    | 3325.671    | 3209.020    | 3164.155    |
| 26.0 | 3469.242   | 3401.943    | 3294.265    | 3176.493    | 3130.505    |
| 26.5 | 3444.565   | 3375.024    | 3265.103    | 3143.965    | 3095.735    |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 27.0 | 3417.646 | 3348.104 | 3233.697 | 3110.316 | 3062.085 |
| 27.5 | 3389.605 | 3320.063 | 3203.412 | 3076.667 | 3028.436 |
| 28.0 | 3363.807 | 3293.144 | 3172.006 | 3041.896 | 2992.543 |
| 28.5 | 3336.888 | 3265.103 | 3141.722 | 3008.246 | 2957.772 |
| 29.0 | 3309.968 | 3237.062 | 3110.316 | 2973.475 | 2924.123 |
| 29.5 | 3278.562 | 3207.899 | 3077.788 | 2938.705 | 2888.231 |
| 30.0 | 3248.278 | 3177.614 | 3045.261 | 2903.934 | 2853.460 |
| 30.5 | 3220.237 | 3148.452 | 3013.855 | 2870.284 | 2817.567 |
| 31.0 | 3191.074 | 3119.289 | 2981.327 | 2835.513 | 2781.675 |
| 31.5 | 3163.033 | 3089.005 | 2948.799 | 2799.621 | 2745.782 |
| 32.0 | 3131.627 | 3058.720 | 2915.150 | 2764.850 | 2711.011 |
| 32.5 | 3102.464 | 3027.314 | 2882.622 | 2728.957 | 2673.997 |
| 33.0 | 3072.180 | 2997.030 | 2847.851 | 2694.186 | 2639.226 |
| 33.5 | 3041.896 | 2965.624 | 2816.445 | 2658.294 | 2601.090 |
| 34.0 | 3012.733 | 2934.218 | 2781.675 | 2623.523 | 2566.319 |
| 34.5 | 2982.449 | 2903.934 | 2748.025 | 2588.752 | 2531.548 |
| 35.0 | 2952.164 | 2871.406 | 2713.254 | 2552.859 | 2495.656 |
| 35.5 | 2920.758 | 2838.878 | 2679.605 | 2519.210 | 2458.641 |
| 36.0 | 2891.596 | 2807.472 | 2645.956 | 2483.317 | 2424.992 |
| 36.5 | 2860.190 | 2774.945 | 2611.185 | 2448.547 | 2389.099 |
| 37.0 | 2827.662 | 2742.417 | 2578.657 | 2413.776 | 2355.450 |
| 37.5 | 2796.256 | 2709.889 | 2545.008 | 2377.883 | 2319.558 |
| 38.0 | 2764.850 | 2676.240 | 2510.237 | 2343.112 | 2283.665 |
| 38.5 | 2732.322 | 2644.834 | 2476.588 | 2308.341 | 2248.894 |
| 39.0 | 2698.673 | 2611.185 | 2442.938 | 2273.570 | 2214.123 |
| 39.5 | 2667.267 | 2578.657 | 2408.167 | 2238.799 | 2179.352 |
| 40.0 | 2634.739 | 2545.008 | 2374.518 | 2206.272 | 2145.703 |
| 40.5 | 2599.968 | 2512.480 | 2339.747 | 2171.501 | 2109.810 |
| 41.0 | 2567.441 | 2478.831 | 2306.098 | 2136.730 | 2072.796 |
| 41.5 | 2534.913 | 2446.303 | 2272.449 | 2101.959 | 2038.025 |
| 42.0 | 2500.142 | 2412.654 | 2238.799 | 2066.066 | 2002.133 |
| 42.5 | 2464.250 | 2377.883 | 2205.150 | 2032.417 | 1967.362 |
| 43.0 | 2430.600 | 2344.234 | 2171.501 | 1995.403 | 1932.591 |
| 43.5 | 2398.073 | 2311.706 | 2137.851 | 1960.632 | 1900.063 |
| 44.0 | 2362.180 | 2278.057 | 2104.202 | 1928.104 | 1866.414 |
| 44.5 | 2328.531 | 2244.408 | 2067.188 | 1894.455 | 1832.765 |
| 45.0 | 2293.760 | 2211.880 | 2033.539 | 1861.927 | 1800.237 |
| 45.5 | 2258.989 | 2177.109 | 1998.768 | 1829.400 | 1766.588 |
| 46.0 | 2225.340 | 2144.581 | 1966.240 | 1796.872 | 1734.060 |
| 46.5 | 2191.690 | 2110.932 | 1933.712 | 1765.466 | 1702.654 |
| 47.0 | 2156.919 | 2077.283 | 1901.185 | 1732.938 | 1670.126 |
| 47.5 | 2122.148 | 2041.390 | 1869.779 | 1701.532 | 1638.720 |
| 48.0 | 2088.499 | 2006.619 | 1838.373 | 1670.126 | 1606.193 |
| 48.5 | 2053.728 | 1974.092 | 1805.845 | 1638.720 | 1574.787 |
| 49.0 | 2016.714 | 1940.442 | 1774.439 | 1607.314 | 1544.502 |
| 49.5 | 1984.186 | 1909.036 | 1744.155 | 1575.908 | 1514.218 |
| 50.0 | 1950.537 | 1876.509 | 1712.749 | 1545.624 | 1483.934 |
| 50.5 | 1919.131 | 1843.981 | 1681.343 | 1515.340 | 1453.649 |
| 51.0 | 1885.482 | 1812.575 | 1649.937 | 1483.934 | 1423.365 |
| 51.5 | 1852.954 | 1780.047 | 1619.652 | 1454.771 | 1394.202 |
| 52.0 | 1821.548 | 1747.520 | 1588.246 | 1424.487 | 1365.039 |
| 52.5 | 1789.021 | 1716.114 | 1557.962 | 1395.324 | 1336.998 |
| 53.0 | 1756.493 | 1684.708 | 1527.678 | 1366.161 | 1308.957 |
| 53.5 | 1723.965 | 1653.302 | 1498.515 | 1336.998 | 1279.795 |
| 54.0 | 1692.559 | 1621.896 | 1467.109 | 1308.957 | 1251.754 |
| 54.5 | 1660.032 | 1591.611 | 1437.946 | 1279.795 | 1223.712 |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 55.0 | 1628.626 | 1560.205 | 1407.662 | 1252.875 | 1195.671 |
| 55.5 | 1596.098 | 1529.921 | 1378.499 | 1223.712 | 1168.752 |
| 56.0 | 1563.570 | 1498.515 | 1349.336 | 1196.793 | 1141.833 |
| 56.5 | 1532.164 | 1468.231 | 1320.174 | 1169.874 | 1116.596 |
| 57.0 | 1499.637 | 1437.946 | 1289.889 | 1142.954 | 1090.013 |
| 57.5 | 1468.231 | 1408.784 | 1261.848 | 1116.035 | 1064.103 |
| 58.0 | 1436.825 | 1378.499 | 1232.686 | 1089.564 | 1038.641 |
| 58.5 | 1405.419 | 1348.215 | 1203.523 | 1063.430 | 1013.180 |
| 59.0 | 1374.013 | 1319.052 | 1175.482 | 1037.744 | 987.943  |
| 59.5 | 1342.607 | 1289.889 | 1147.441 | 1012.058 | 963.379  |
| 60.0 | 1312.322 | 1260.727 | 1119.175 | 986.261  | 938.927  |
| 60.5 | 1282.038 | 1231.564 | 1091.807 | 961.136  | 914.475  |
| 61.0 | 1251.754 | 1203.523 | 1063.878 | 936.235  | 890.472  |
| 61.5 | 1222.591 | 1174.360 | 1036.735 | 911.111  | 866.806  |
| 62.0 | 1192.306 | 1145.197 | 1009.366 | 887.107  | 843.924  |
| 62.5 | 1163.144 | 1117.493 | 982.896  | 862.992  | 820.594  |
| 63.0 | 1133.981 | 1089.788 | 956.537  | 838.989  | 797.712  |
| 63.5 | 1105.379 | 1062.084 | 930.178  | 814.761  | 774.607  |
| 64.0 | 1077.562 | 1034.603 | 904.493  | 791.431  | 752.398  |
| 64.5 | 1048.848 | 1007.123 | 878.583  | 768.213  | 730.302  |
| 65.0 | 1021.032 | 980.204  | 853.122  | 744.995  | 708.766  |
| 65.5 | 993.439  | 952.948  | 827.436  | 722.226  | 686.782  |
| 66.0 | 965.959  | 925.916  | 802.648  | 700.017  | 665.246  |
| 66.5 | 938.703  | 899.221  | 777.747  | 677.472  | 643.487  |
| 67.0 | 911.111  | 872.750  | 753.183  | 655.152  | 622.624  |
| 67.5 | 883.518  | 846.280  | 728.956  | 633.616  | 601.761  |
| 68.0 | 857.047  | 820.257  | 704.504  | 611.968  | 580.675  |
| 68.5 | 830.016  | 794.460  | 680.613  | 590.657  | 560.373  |
| 69.0 | 803.209  | 768.662  | 656.946  | 569.458  | 540.183  |
| 69.5 | 777.186  | 742.976  | 633.840  | 548.483  | 520.554  |
| 70.0 | 750.828  | 717.403  | 610.286  | 527.957  | 500.701  |
| 70.5 | 724.806  | 692.278  | 587.180  | 507.543  | 481.521  |
| 71.0 | 698.784  | 667.378  | 564.747  | 487.690  | 462.117  |
| 71.5 | 673.322  | 642.253  | 542.314  | 467.949  | 443.385  |
| 72.0 | 647.973  | 617.801  | 520.106  | 448.321  | 424.654  |
| 72.5 | 622.736  | 593.573  | 498.009  | 429.141  | 406.483  |
| 73.0 | 598.172  | 569.682  | 476.362  | 409.848  | 388.649  |
| 73.5 | 573.608  | 545.455  | 455.051  | 391.453  | 370.815  |
| 74.0 | 549.493  | 521.676  | 433.964  | 372.946  | 353.093  |
| 74.5 | 525.602  | 498.346  | 413.101  | 355.000  | 336.269  |
| 75.0 | 502.047  | 475.352  | 392.351  | 336.942  | 319.556  |
| 75.5 | 478.942  | 452.807  | 372.273  | 319.780  | 302.956  |
| 76.0 | 456.397  | 430.487  | 352.645  | 302.619  | 286.916  |
| 76.5 | 433.739  | 408.166  | 333.016  | 286.131  | 271.213  |
| 77.0 | 412.316  | 386.406  | 314.172  | 269.643  | 255.622  |
| 77.5 | 390.556  | 364.983  | 295.441  | 253.716  | 240.368  |
| 78.0 | 368.908  | 343.896  | 276.934  | 238.125  | 225.899  |
| 78.5 | 347.485  | 323.033  | 259.212  | 222.983  | 211.205  |
| 79.0 | 327.071  | 302.956  | 241.826  | 208.065  | 197.073  |
| 79.5 | 306.994  | 282.542  | 224.889  | 193.147  | 183.276  |
| 80.0 | 287.028  | 263.025  | 208.065  | 179.126  | 169.929  |
| 80.5 | 267.175  | 243.621  | 191.689  | 165.218  | 156.694  |
| 81.0 | 247.995  | 224.777  | 175.986  | 151.983  | 144.131  |
| 81.5 | 229.039  | 206.494  | 160.619  | 138.859  | 131.681  |
| 82.0 | 210.757  | 187.987  | 146.038  | 126.073  | 119.343  |
| 82.5 | 192.923  | 170.490  | 131.681  | 113.622  | 107.566  |

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**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |        |
|-------|---------|---------|---------|---------|--------|
| 83.0  | 175.313 | 153.216 | 117.773 | 101.509 | 95.564 |
| 83.5  | 157.927 | 136.728 | 104.649 | 89.619  | 84.123 |
| 84.0  | 141.327 | 120.577 | 91.863  | 77.954  | 73.019 |
| 84.5  | 124.951 | 105.322 | 79.637  | 66.850  | 62.363 |
| 85.0  | 109.472 | 90.629  | 67.859  | 56.419  | 51.932 |
| 85.5  | 94.442  | 76.496  | 56.643  | 45.763  | 40.716 |
| 86.0  | 80.310  | 63.036  | 46.548  | 34.771  | 28.378 |
| 86.5  | 66.289  | 50.923  | 36.790  | 21.984  | 17.498 |
| 87.0  | 53.390  | 39.482  | 26.246  | 13.908  | 12.450 |
| 87.5  | 41.389  | 29.387  | 15.142  | 10.656  | 9.758  |
| 88.0  | 30.284  | 20.077  | 9.534   | 8.188   | 7.627  |
| 88.5  | 20.863  | 11.216  | 7.066   | 5.945   | 5.272  |
| 89.0  | 13.123  | 5.608   | 4.711   | 3.814   | 3.365  |
| 89.5  | 6.506   | 3.028   | 2.580   | 1.907   | 1.682  |
| 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-6-L15-830-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-6-L15-830-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-6-L15-830-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-6-L15-830-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 1466.97 | N.A.  | 16.50  |
| 0-30    | 3007.03 | N.A.  | 33.70  |
| 0-40    | 4703.51 | N.A.  | 52.80  |
| 0-60    | 7537.57 | N.A.  | 84.50  |
| 0-80    | 8823.61 | N.A.  | 99.00  |
| 0-90    | 8915.95 | N.A.  | 100.00 |
| 10-90   | 8528.09 | N.A.  | 95.60  |
| 20-40   | 3236.54 | N.A.  | 36.30  |
| 20-50   | 4809.73 | N.A.  | 53.90  |
| 40-70   | 3688.62 | N.A.  | 41.40  |
| 60-80   | 1286.04 | N.A.  | 14.40  |
| 70-80   | 431.47  | N.A.  | 4.80   |
| 80-90   | 92.34   | 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   | 8915.95 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 387.86  |
| 10-20   | 1079.11 |
| 20-30   | 1540.06 |
| 30-40   | 1696.48 |
| 40-50   | 1573.2  |
| 50-60   | 1260.87 |
| 60-70   | 854.56  |
| 70-80   | 431.47  |
| 80-90   | 92.34   |
| 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-6-L15-830-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-6-L15-830-DMA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

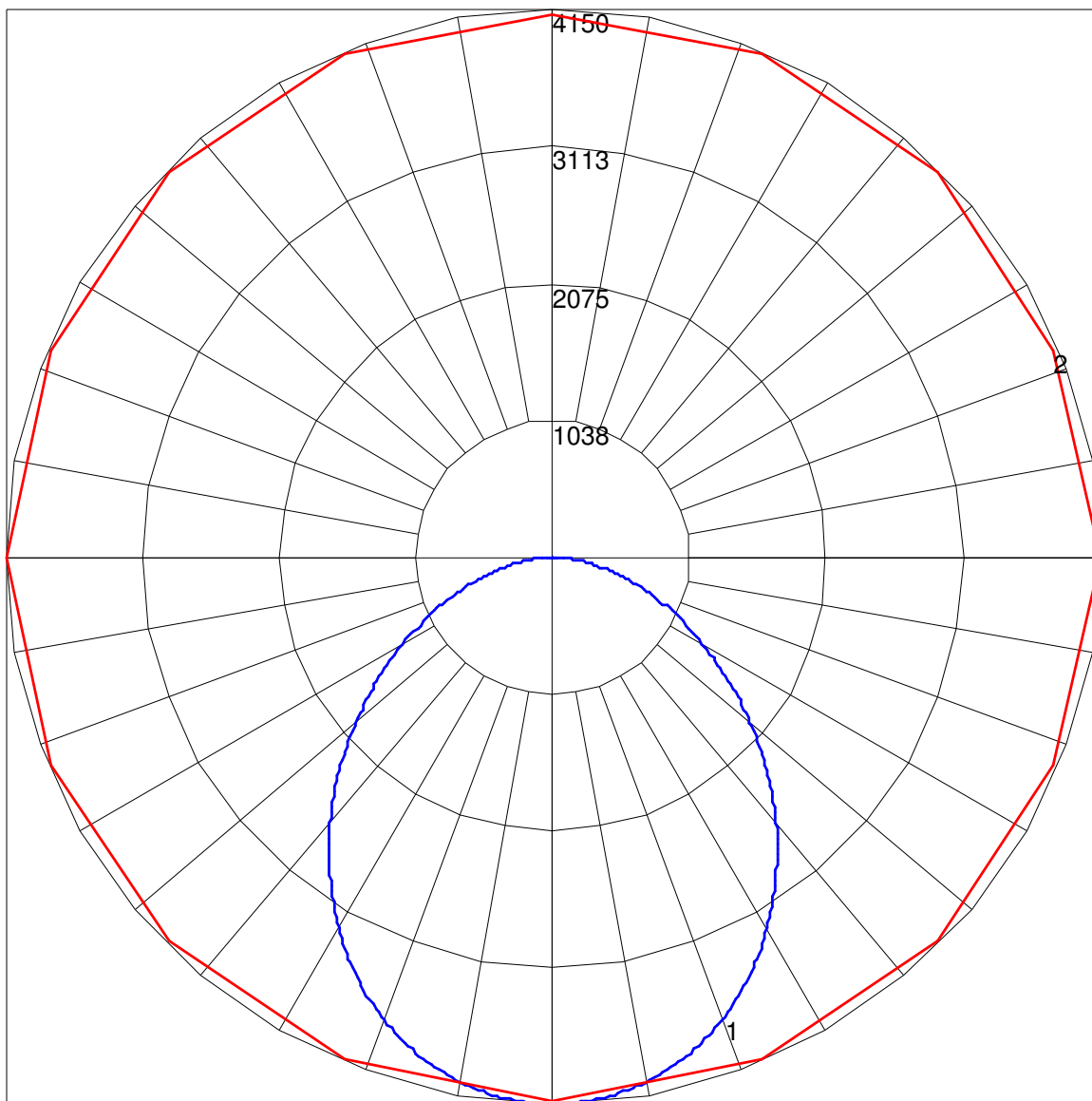
Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 |      |      |      |      | UGR Viewed Endwise |      |      |      |      |
|-----------|------|----------------------|------|------|------|------|--------------------|------|------|------|------|
| X=2H      | Y=2H | 20.7                 | 22.3 | 21.1 | 22.6 | 22.9 | 19.0               | 20.5 | 19.4 | 20.8 | 21.2 |
|           | 3H   | 22.3                 | 23.7 | 22.7 | 24.0 | 24.4 | 20.3               | 21.7 | 20.7 | 22.0 | 22.4 |
|           | 4H   | 22.9                 | 24.2 | 23.3 | 24.5 | 24.9 | 20.8               | 22.0 | 21.2 | 22.4 | 22.8 |
|           | 6H   | 23.2                 | 24.4 | 23.6 | 24.8 | 25.2 | 21.0               | 22.2 | 21.4 | 22.6 | 23.0 |
|           | 8H   | 23.3                 | 24.5 | 23.8 | 24.9 | 25.3 | 21.1               | 22.2 | 21.5 | 22.6 | 23.0 |
|           | 12H  | 23.4                 | 24.5 | 23.8 | 24.9 | 25.3 | 21.1               | 22.2 | 21.5 | 22.6 | 23.0 |
| 4H        | 2H   | 21.1                 | 22.4 | 21.5 | 22.7 | 23.1 | 19.7               | 21.0 | 20.1 | 21.3 | 21.7 |
|           | 3H   | 22.9                 | 24.0 | 23.3 | 24.4 | 24.8 | 21.2               | 22.3 | 21.6 | 22.7 | 23.1 |
|           | 4H   | 23.6                 | 24.5 | 24.0 | 25.0 | 25.4 | 21.7               | 22.7 | 22.1 | 23.1 | 23.5 |
|           | 6H   | 24.1                 | 24.9 | 24.5 | 25.4 | 25.8 | 22.1               | 22.9 | 22.5 | 23.4 | 23.8 |
|           | 8H   | 24.2                 | 25.0 | 24.7 | 25.5 | 25.9 | 22.1               | 22.9 | 22.6 | 23.4 | 23.8 |
|           | 12H  | 24.3                 | 25.0 | 24.8 | 25.5 | 26.0 | 22.2               | 22.9 | 22.7 | 23.4 | 23.8 |
| 8H        | 4H   | 23.7                 | 24.5 | 24.2 | 24.9 | 25.4 | 22.0               | 22.8 | 22.5 | 23.3 | 23.7 |
|           | 6H   | 24.3                 | 24.9 | 24.8 | 25.4 | 25.9 | 22.4               | 23.1 | 22.9 | 23.6 | 24.1 |
|           | 8H   | 24.5                 | 25.1 | 25.0 | 25.6 | 26.1 | 22.6               | 23.2 | 23.1 | 23.7 | 24.2 |
|           | 12H  | 24.6                 | 25.1 | 25.1 | 25.6 | 26.2 | 22.6               | 23.2 | 23.1 | 23.6 | 24.2 |
| 12H       | 4H   | 23.7                 | 24.4 | 24.2 | 24.9 | 25.3 | 22.1               | 22.8 | 22.5 | 23.2 | 23.7 |
|           | 6H   | 24.3                 | 24.9 | 24.8 | 25.3 | 25.9 | 22.5               | 23.1 | 23.0 | 23.6 | 24.1 |
|           | 8H   | 24.5                 | 25.0 | 25.0 | 25.5 | 26.1 | 22.7               | 23.2 | 23.2 | 23.7 | 24.2 |

Maximum UGR = 26.2

POLAR GRAPH



Maximum Candela = 4150.079 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.)