

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4X-8-L19-827-DMA-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #4792155383.02

[TESTLAB] UL, LLC

[ISSUEDATE] 2026-05-13

[TESTDATE] 3/19/2026

[MANUFAC] H E Williams Inc

[LUMCAT] LRX4x-8-L19-827-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                | 14798           |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 111             |
| Total Luminaire Watts           | 132.8           |
| 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)         | 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                  | 18048            | 16001             | 14165             |
| 55                  | 15798            | 13655             | 11598             |
| 65                  | 13442            | 11231             | 9331              |
| 75                  | 10793            | 8434              | 6869              |
| 85                  | 6988             | 4332              | 3315              |

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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  | 6854.625   | 6854.625    | 6854.625    | 6854.625    | 6854.625    |
| 0.5  | 6888.135   | 6839.731    | 6856.486    | 6850.901    | 6847.178    |
| 1.0  | 6886.273   | 6837.870    | 6854.625    | 6849.040    | 6845.316    |
| 1.5  | 6884.411   | 6834.146    | 6852.763    | 6845.316    | 6841.593    |
| 2.0  | 6880.688   | 6832.285    | 6847.178    | 6837.870    | 6839.731    |
| 2.5  | 6878.826   | 6828.561    | 6843.455    | 6834.146    | 6832.285    |
| 3.0  | 6873.241   | 6822.976    | 6837.870    | 6824.838    | 6822.976    |
| 3.5  | 6869.518   | 6817.392    | 6830.423    | 6817.392    | 6813.668    |
| 4.0  | 6860.210   | 6809.945    | 6822.976    | 6808.083    | 6802.498    |
| 4.5  | 6856.486   | 6802.498    | 6813.668    | 6796.913    | 6789.467    |
| 5.0  | 6847.178   | 6795.052    | 6802.498    | 6785.743    | 6778.297    |
| 5.5  | 6843.455   | 6783.882    | 6791.328    | 6770.850    | 6761.542    |
| 6.0  | 6826.700   | 6774.573    | 6778.297    | 6755.957    | 6746.649    |
| 6.5  | 6817.392   | 6765.265    | 6763.403    | 6739.202    | 6728.032    |
| 7.0  | 6806.222   | 6752.233    | 6750.372    | 6722.447    | 6711.277    |
| 7.5  | 6795.052   | 6739.202    | 6733.617    | 6703.830    | 6690.799    |
| 8.0  | 6782.020   | 6724.309    | 6718.724    | 6683.352    | 6668.459    |
| 8.5  | 6768.988   | 6711.277    | 6701.969    | 6661.012    | 6646.119    |
| 9.0  | 6754.095   | 6696.384    | 6681.490    | 6638.672    | 6623.779    |
| 9.5  | 6737.340   | 6677.767    | 6662.874    | 6614.471    | 6597.716    |
| 10.0 | 6724.309   | 6661.012    | 6640.534    | 6592.131    | 6573.514    |
| 10.5 | 6703.830   | 6642.396    | 6620.056    | 6567.929    | 6547.451    |
| 11.0 | 6685.214   | 6623.779    | 6595.854    | 6540.004    | 6521.388    |
| 11.5 | 6666.597   | 6603.301    | 6571.653    | 6512.080    | 6489.740    |
| 12.0 | 6646.119   | 6582.823    | 6547.451    | 6482.293    | 6459.953    |
| 12.5 | 6621.917   | 6558.621    | 6521.388    | 6452.507    | 6426.443    |
| 13.0 | 6601.439   | 6536.281    | 6493.463    | 6420.858    | 6394.795    |
| 13.5 | 6580.961   | 6512.080    | 6465.538    | 6389.210    | 6363.147    |
| 14.0 | 6554.898   | 6487.878    | 6437.613    | 6353.839    | 6325.914    |
| 14.5 | 6532.558   | 6459.953    | 6405.965    | 6320.329    | 6290.542    |
| 15.0 | 6506.495   | 6433.890    | 6374.317    | 6284.957    | 6253.309    |
| 15.5 | 6480.431   | 6405.965    | 6342.669    | 6247.724    | 6216.076    |
| 16.0 | 6452.507   | 6378.040    | 6309.159    | 6210.491    | 6175.120    |
| 16.5 | 6426.443   | 6350.115    | 6275.649    | 6171.396    | 6136.025    |
| 17.0 | 6396.657   | 6318.467    | 6240.278    | 6132.301    | 6093.207    |
| 17.5 | 6368.732   | 6286.819    | 6206.768    | 6091.345    | 6050.388    |
| 18.0 | 6337.084   | 6257.032    | 6169.535    | 6050.388    | 6007.570    |
| 18.5 | 6309.159   | 6223.523    | 6132.301    | 6007.570    | 5961.029    |
| 19.0 | 6275.649   | 6190.013    | 6093.207    | 5962.891    | 5914.487    |
| 19.5 | 6244.001   | 6156.503    | 6054.112    | 5920.072    | 5867.946    |
| 20.0 | 6210.491   | 6121.131    | 6013.155    | 5875.393    | 5821.404    |
| 20.5 | 6176.981   | 6085.760    | 5972.199    | 5828.851    | 5773.001    |
| 21.0 | 6141.610   | 6050.388    | 5931.242    | 5782.310    | 5722.737    |
| 21.5 | 6108.100   | 6011.294    | 5888.424    | 5733.907    | 5674.334    |
| 22.0 | 6070.867   | 5974.060    | 5843.744    | 5685.503    | 5625.930    |
| 22.5 | 6033.634   | 5934.966    | 5799.065    | 5637.100    | 5573.804    |
| 23.0 | 5998.262   | 5897.732    | 5756.246    | 5584.974    | 5521.678    |
| 23.5 | 5961.029   | 5856.776    | 5709.705    | 5534.709    | 5469.551    |
| 24.0 | 5921.934   | 5815.820    | 5663.164    | 5484.444    | 5415.563    |
| 24.5 | 5882.839   | 5774.863    | 5614.760    | 5432.318    | 5363.437    |
| 25.0 | 5841.883   | 5733.907    | 5568.219    | 5380.192    | 5309.449    |
| 25.5 | 5799.065   | 5689.227    | 5519.816    | 5326.203    | 5251.737    |
| 26.0 | 5758.108   | 5646.409    | 5467.689    | 5272.215    | 5195.887    |
| 26.5 | 5717.152   | 5601.729    | 5419.286    | 5218.227    | 5138.176    |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 27.0 | 5672.472 | 5557.049 | 5367.160 | 5162.378 | 5082.326 |
| 27.5 | 5625.930 | 5510.508 | 5316.895 | 5106.528 | 5026.477 |
| 28.0 | 5583.112 | 5465.828 | 5264.769 | 5048.816 | 4966.903 |
| 28.5 | 5538.432 | 5419.286 | 5214.504 | 4992.967 | 4909.192 |
| 29.0 | 5493.753 | 5372.745 | 5162.378 | 4935.255 | 4853.342 |
| 29.5 | 5441.626 | 5324.342 | 5108.389 | 4877.544 | 4793.769 |
| 30.0 | 5391.362 | 5274.077 | 5054.401 | 4819.833 | 4736.058 |
| 30.5 | 5344.820 | 5225.674 | 5002.275 | 4763.983 | 4676.485 |
| 31.0 | 5296.417 | 5177.271 | 4948.287 | 4706.271 | 4616.912 |
| 31.5 | 5249.875 | 5127.006 | 4894.299 | 4646.698 | 4557.339 |
| 32.0 | 5197.749 | 5076.741 | 4838.449 | 4588.987 | 4499.627 |
| 32.5 | 5149.346 | 5024.615 | 4784.461 | 4529.414 | 4438.193 |
| 33.0 | 5099.081 | 4974.350 | 4726.750 | 4471.702 | 4380.481 |
| 33.5 | 5048.816 | 4922.224 | 4674.623 | 4412.129 | 4317.185 |
| 34.0 | 5000.413 | 4870.097 | 4616.912 | 4354.418 | 4259.473 |
| 34.5 | 4950.149 | 4819.833 | 4561.062 | 4296.707 | 4201.762 |
| 35.0 | 4899.884 | 4765.844 | 4503.351 | 4237.134 | 4142.189 |
| 35.5 | 4847.757 | 4711.856 | 4447.501 | 4181.284 | 4080.754 |
| 36.0 | 4799.354 | 4659.730 | 4391.651 | 4121.711 | 4024.905 |
| 36.5 | 4747.228 | 4605.742 | 4333.940 | 4063.999 | 3965.331 |
| 37.0 | 4693.240 | 4551.754 | 4279.952 | 4006.288 | 3909.482 |
| 37.5 | 4641.113 | 4497.766 | 4224.102 | 3946.715 | 3849.909 |
| 38.0 | 4588.987 | 4441.916 | 4166.391 | 3889.004 | 3790.336 |
| 38.5 | 4534.999 | 4389.790 | 4110.541 | 3831.292 | 3732.624 |
| 39.0 | 4479.149 | 4333.940 | 4054.691 | 3773.581 | 3674.913 |
| 39.5 | 4427.023 | 4279.952 | 3996.980 | 3715.869 | 3617.201 |
| 40.0 | 4373.035 | 4224.102 | 3941.130 | 3661.881 | 3561.352 |
| 40.5 | 4315.323 | 4170.114 | 3883.419 | 3604.170 | 3501.779 |
| 41.0 | 4261.335 | 4114.264 | 3827.569 | 3546.458 | 3440.344 |
| 41.5 | 4207.347 | 4060.276 | 3771.719 | 3488.747 | 3382.633 |
| 42.0 | 4149.636 | 4004.426 | 3715.869 | 3429.174 | 3323.059 |
| 42.5 | 4090.063 | 3946.715 | 3660.020 | 3373.324 | 3265.348 |
| 43.0 | 4034.213 | 3890.865 | 3604.170 | 3311.890 | 3207.637 |
| 43.5 | 3980.225 | 3836.877 | 3548.320 | 3254.178 | 3153.649 |
| 44.0 | 3920.652 | 3781.027 | 3492.470 | 3200.190 | 3097.799 |
| 44.5 | 3864.802 | 3725.178 | 3431.036 | 3144.340 | 3041.949 |
| 45.0 | 3807.091 | 3671.190 | 3375.186 | 3090.352 | 2987.961 |
| 45.5 | 3749.379 | 3613.478 | 3317.475 | 3036.364 | 2932.111 |
| 46.0 | 3693.529 | 3559.490 | 3263.486 | 2982.376 | 2878.123 |
| 46.5 | 3637.680 | 3503.640 | 3209.498 | 2930.250 | 2825.997 |
| 47.0 | 3579.968 | 3447.791 | 3155.510 | 2876.262 | 2772.009 |
| 47.5 | 3522.257 | 3388.218 | 3103.384 | 2824.135 | 2719.882 |
| 48.0 | 3466.407 | 3330.506 | 3051.257 | 2772.009 | 2665.894 |
| 48.5 | 3408.696 | 3276.518 | 2997.269 | 2719.882 | 2613.768 |
| 49.0 | 3347.261 | 3220.668 | 2945.143 | 2667.756 | 2563.503 |
| 49.5 | 3293.273 | 3168.542 | 2894.878 | 2615.629 | 2513.238 |
| 50.0 | 3237.423 | 3114.554 | 2842.752 | 2565.365 | 2462.974 |
| 50.5 | 3185.297 | 3060.566 | 2790.625 | 2515.100 | 2412.709 |
| 51.0 | 3129.447 | 3008.439 | 2738.499 | 2462.974 | 2362.444 |
| 51.5 | 3075.459 | 2954.451 | 2688.234 | 2414.570 | 2314.041 |
| 52.0 | 3023.333 | 2900.463 | 2636.108 | 2364.306 | 2265.638 |
| 52.5 | 2969.344 | 2848.337 | 2585.843 | 2315.903 | 2219.096 |
| 53.0 | 2915.356 | 2796.210 | 2535.578 | 2267.499 | 2172.555 |
| 53.5 | 2861.368 | 2744.084 | 2487.175 | 2219.096 | 2124.152 |
| 54.0 | 2809.242 | 2691.957 | 2435.049 | 2172.555 | 2077.610 |
| 54.5 | 2755.254 | 2641.693 | 2386.646 | 2124.152 | 2031.069 |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 55.0 | 2703.127 | 2589.566 | 2336.381 | 2079.472 | 1984.527 |
| 55.5 | 2649.139 | 2539.301 | 2287.978 | 2031.069 | 1939.848 |
| 56.0 | 2595.151 | 2487.175 | 2239.575 | 1986.389 | 1895.168 |
| 56.5 | 2543.025 | 2436.910 | 2191.171 | 1941.709 | 1853.281 |
| 57.0 | 2489.037 | 2386.646 | 2140.907 | 1897.029 | 1809.159 |
| 57.5 | 2436.910 | 2338.242 | 2094.365 | 1852.350 | 1766.155 |
| 58.0 | 2384.784 | 2287.978 | 2045.962 | 1808.415 | 1723.895 |
| 58.5 | 2332.657 | 2237.713 | 1997.559 | 1765.038 | 1681.636 |
| 59.0 | 2280.531 | 2189.310 | 1951.018 | 1722.406 | 1639.748 |
| 59.5 | 2228.405 | 2140.907 | 1904.476 | 1679.774 | 1598.978 |
| 60.0 | 2178.140 | 2092.504 | 1857.562 | 1636.956 | 1558.394 |
| 60.5 | 2127.875 | 2044.100 | 1812.138 | 1595.255 | 1517.810 |
| 61.0 | 2077.610 | 1997.559 | 1765.783 | 1553.926 | 1477.970 |
| 61.5 | 2029.207 | 1949.156 | 1720.730 | 1512.225 | 1438.689 |
| 62.0 | 1978.942 | 1900.753 | 1675.306 | 1472.385 | 1400.711 |
| 62.5 | 1930.539 | 1854.770 | 1631.371 | 1432.360 | 1361.989 |
| 63.0 | 1882.136 | 1808.787 | 1587.622 | 1392.520 | 1324.011 |
| 63.5 | 1834.664 | 1762.804 | 1543.873 | 1352.308 | 1285.661 |
| 64.0 | 1788.495 | 1717.193 | 1501.241 | 1313.586 | 1248.800 |
| 64.5 | 1740.836 | 1671.583 | 1458.237 | 1275.050 | 1212.126 |
| 65.0 | 1694.667 | 1626.903 | 1415.977 | 1236.513 | 1176.382 |
| 65.5 | 1648.870 | 1581.665 | 1373.345 | 1198.722 | 1139.893 |
| 66.0 | 1603.260 | 1536.799 | 1332.202 | 1161.861 | 1104.149 |
| 66.5 | 1558.022 | 1492.491 | 1290.874 | 1124.441 | 1068.033 |
| 67.0 | 1512.225 | 1448.556 | 1250.103 | 1087.394 | 1033.406 |
| 67.5 | 1466.428 | 1404.621 | 1209.892 | 1051.651 | 998.780  |
| 68.0 | 1422.493 | 1361.430 | 1169.307 | 1015.721 | 963.780  |
| 68.5 | 1377.627 | 1318.612 | 1129.654 | 980.349  | 930.084  |
| 69.0 | 1333.133 | 1275.794 | 1090.373 | 945.164  | 896.574  |
| 69.5 | 1289.943 | 1233.162 | 1052.023 | 910.351  | 863.995  |
| 70.0 | 1246.194 | 1190.716 | 1012.928 | 876.282  | 831.044  |
| 70.5 | 1203.003 | 1149.015 | 974.578  | 842.400  | 799.210  |
| 71.0 | 1159.813 | 1107.686 | 937.345  | 809.449  | 767.003  |
| 71.5 | 1117.553 | 1065.985 | 900.112  | 776.684  | 735.913  |
| 72.0 | 1075.480 | 1025.401 | 863.251  | 744.105  | 704.824  |
| 72.5 | 1033.593 | 985.189  | 826.576  | 712.270  | 674.665  |
| 73.0 | 992.822  | 945.536  | 790.646  | 680.250  | 645.064  |
| 73.5 | 952.052  | 905.324  | 755.275  | 649.719  | 615.464  |
| 74.0 | 912.026  | 865.857  | 720.275  | 619.001  | 586.050  |
| 74.5 | 872.373  | 827.135  | 685.649  | 589.215  | 558.125  |
| 75.0 | 833.278  | 788.971  | 651.208  | 559.242  | 530.386  |
| 75.5 | 794.928  | 751.551  | 617.884  | 530.759  | 502.834  |
| 76.0 | 757.509  | 714.504  | 585.305  | 502.275  | 476.212  |
| 76.5 | 719.903  | 677.457  | 552.726  | 474.909  | 450.149  |
| 77.0 | 684.345  | 641.341  | 521.450  | 447.543  | 424.272  |
| 77.5 | 648.229  | 605.784  | 490.361  | 421.107  | 398.953  |
| 78.0 | 612.299  | 570.784  | 459.643  | 395.230  | 374.938  |
| 78.5 | 576.742  | 536.157  | 430.229  | 370.098  | 350.550  |
| 79.0 | 542.859  | 502.834  | 401.373  | 345.338  | 327.093  |
| 79.5 | 509.536  | 468.952  | 373.262  | 320.578  | 304.195  |
| 80.0 | 476.398  | 436.559  | 345.338  | 297.307  | 282.041  |
| 80.5 | 443.447  | 404.352  | 318.157  | 274.222  | 260.074  |
| 81.0 | 411.613  | 373.076  | 292.094  | 252.255  | 239.223  |
| 81.5 | 380.151  | 342.731  | 266.589  | 230.473  | 218.559  |
| 82.0 | 349.806  | 312.014  | 242.388  | 209.250  | 198.080  |
| 82.5 | 320.205  | 282.972  | 218.559  | 188.586  | 178.533  |

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**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 83.0  | 290.977 | 254.302 | 195.474 | 168.480 | 158.613 |
| 83.5  | 262.121 | 226.936 | 173.693 | 148.746 | 139.624 |
| 84.0  | 234.569 | 200.128 | 152.470 | 129.385 | 121.194 |
| 84.5  | 207.389 | 174.810 | 132.178 | 110.955 | 103.508 |
| 85.0  | 181.698 | 150.422 | 112.630 | 93.641  | 86.195  |
| 85.5  | 156.752 | 126.965 | 94.014  | 75.956  | 67.578  |
| 86.0  | 133.295 | 104.625 | 77.259  | 57.711  | 47.100  |
| 86.5  | 110.024 | 84.519  | 61.062  | 36.488  | 29.042  |
| 87.0  | 88.615  | 65.530  | 43.563  | 23.085  | 20.664  |
| 87.5  | 68.695  | 48.775  | 25.132  | 17.686  | 16.196  |
| 88.0  | 50.265  | 33.324  | 15.824  | 13.590  | 12.659  |
| 88.5  | 34.627  | 18.617  | 11.728  | 9.867   | 8.750   |
| 89.0  | 21.781  | 9.308   | 7.819   | 6.330   | 5.585   |
| 89.5  | 10.798  | 5.026   | 4.282   | 3.165   | 2.792   |
| 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-L19-827-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-L19-827-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-L19-827-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-L19-827-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens   | %Lamp | %Fixt  |
|---------|----------|-------|--------|
| 0-20    | 2434.82  | N.A.  | 16.50  |
| 0-30    | 4990.95  | N.A.  | 33.70  |
| 0-40    | 7806.7   | N.A.  | 52.80  |
| 0-60    | 12510.56 | N.A.  | 84.50  |
| 0-80    | 14645.07 | N.A.  | 99.00  |
| 0-90    | 14798.33 | N.A.  | 100.00 |
| 10-90   | 14154.58 | N.A.  | 95.60  |
| 20-40   | 5371.88  | N.A.  | 36.30  |
| 20-50   | 7983.00  | N.A.  | 53.90  |
| 40-70   | 6122.23  | N.A.  | 41.40  |
| 60-80   | 2134.51  | N.A.  | 14.40  |
| 70-80   | 716.14   | N.A.  | 4.80   |
| 80-90   | 153.26   | 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   | 14798.33 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 643.75  |
| 10-20   | 1791.07 |
| 20-30   | 2556.13 |
| 30-40   | 2815.75 |
| 40-50   | 2611.13 |
| 50-60   | 2092.73 |
| 60-70   | 1418.37 |
| 70-80   | 716.14  |
| 80-90   | 153.26  |
| 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-L19-827-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-L19-827-DMA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

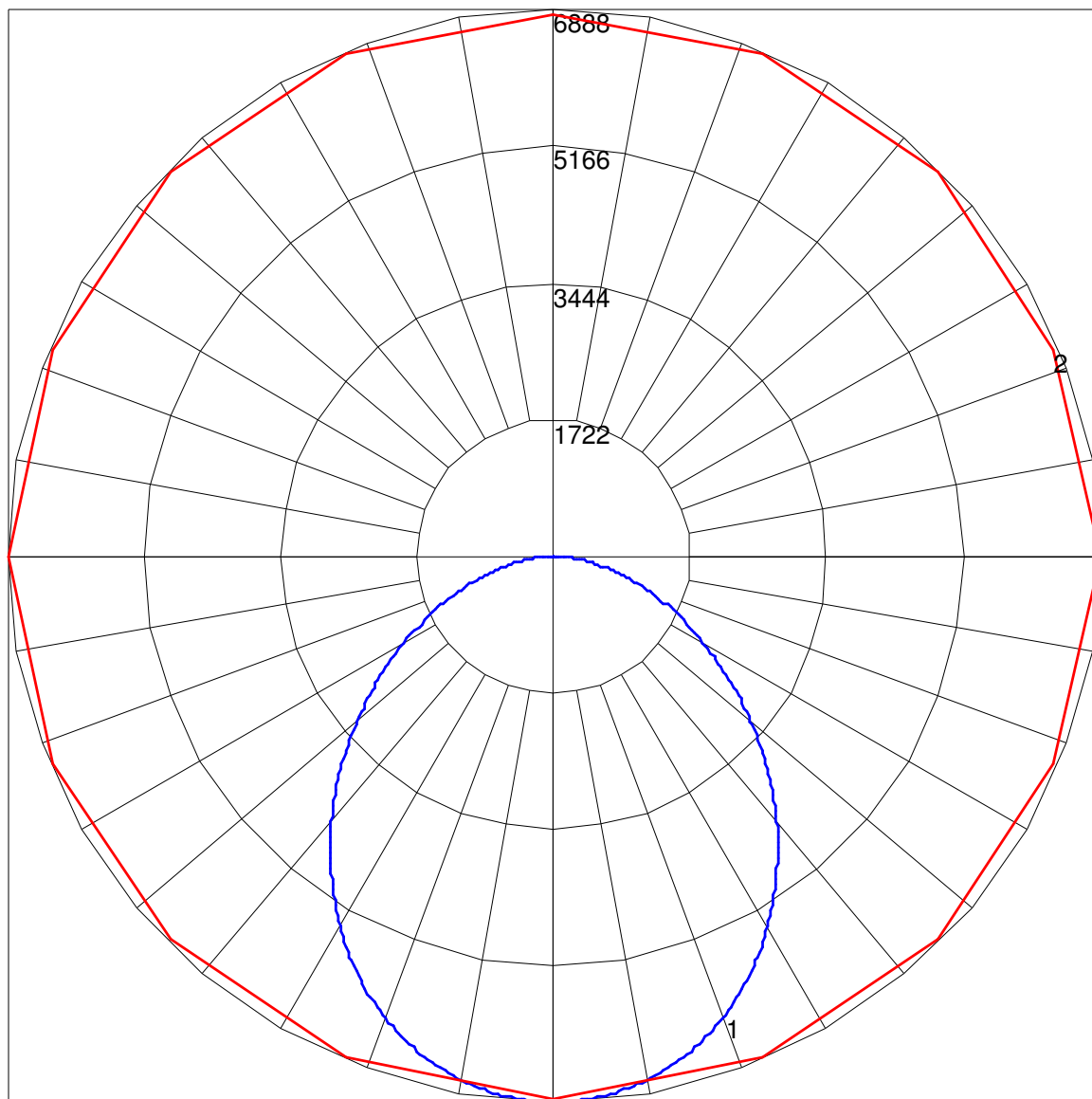
Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 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 | 24.4 | 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 |
| 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 | 22.9 | 23.9 | 24.3 |
|           | 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 | 22.9               | 23.7 | 23.4 | 24.2 | 24.6 |
|           | 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 | 23.2               | 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                 | 25.9 | 25.9 | 26.4 | 27.0 | 23.4               | 24.0 | 23.9 | 24.4 | 25.0 |
| 12H       | 4H   | 24.5                 | 25.2 | 25.0 | 25.7 | 26.1 | 22.9               | 23.6 | 23.3 | 24.0 | 24.5 |
|           | 6H   | 25.1                 | 25.7 | 25.6 | 26.1 | 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 = 6888.135 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.)