

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4X-8-L15-935-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-L15-935-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                | 9967            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 97              |
| 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                  | 12156            | 10777             | 9540              |
| 55                  | 10640            | 9196              | 7811              |
| 65                  | 9053             | 7564              | 6284              |
| 75                  | 7269             | 5681              | 4627              |
| 85                  | 4707             | 2918              | 2233              |

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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  | 4616.576   | 4616.576    | 4616.576    | 4616.576    | 4616.576    |
| 0.5  | 4639.145   | 4606.546    | 4617.830    | 4614.069    | 4611.561    |
| 1.0  | 4637.891   | 4605.292    | 4616.576    | 4612.815    | 4610.307    |
| 1.5  | 4636.638   | 4602.784    | 4615.323    | 4610.307    | 4607.800    |
| 2.0  | 4634.130   | 4601.531    | 4611.561    | 4605.292    | 4606.546    |
| 2.5  | 4632.876   | 4599.023    | 4609.054    | 4602.784    | 4601.531    |
| 3.0  | 4629.115   | 4595.261    | 4605.292    | 4596.515    | 4595.261    |
| 3.5  | 4626.607   | 4591.500    | 4600.277    | 4591.500    | 4588.992    |
| 4.0  | 4620.338   | 4586.485    | 4595.261    | 4585.231    | 4581.469    |
| 4.5  | 4617.830   | 4581.469    | 4588.992    | 4577.708    | 4572.693    |
| 5.0  | 4611.561   | 4576.454    | 4581.469    | 4570.185    | 4565.170    |
| 5.5  | 4609.054   | 4568.931    | 4573.946    | 4560.154    | 4553.885    |
| 6.0  | 4597.769   | 4562.662    | 4565.170    | 4550.124    | 4543.855    |
| 6.5  | 4591.500   | 4556.393    | 4555.139    | 4538.839    | 4531.316    |
| 7.0  | 4583.977   | 4547.616    | 4546.362    | 4527.555    | 4520.032    |
| 7.5  | 4576.454   | 4538.839    | 4535.078    | 4515.017    | 4506.240    |
| 8.0  | 4567.677   | 4528.809    | 4525.047    | 4501.225    | 4491.194    |
| 8.5  | 4558.901   | 4520.032    | 4513.763    | 4486.179    | 4476.148    |
| 9.0  | 4548.870   | 4510.001    | 4499.971    | 4471.133    | 4461.102    |
| 9.5  | 4537.586   | 4497.463    | 4487.433    | 4454.833    | 4443.549    |
| 10.0 | 4528.809   | 4486.179    | 4472.387    | 4439.787    | 4427.249    |
| 10.5 | 4515.017   | 4473.641    | 4458.595    | 4423.488    | 4409.696    |
| 11.0 | 4502.479   | 4461.102    | 4442.295    | 4404.680    | 4392.142    |
| 11.5 | 4489.940   | 4447.310    | 4425.995    | 4385.873    | 4370.827    |
| 12.0 | 4476.148   | 4433.518    | 4409.696    | 4365.812    | 4350.766    |
| 12.5 | 4459.849   | 4417.219    | 4392.142    | 4345.751    | 4328.197    |
| 13.0 | 4446.057   | 4402.173    | 4373.335    | 4324.436    | 4306.882    |
| 13.5 | 4432.264   | 4385.873    | 4354.527    | 4303.121    | 4285.567    |
| 14.0 | 4414.711   | 4369.573    | 4335.720    | 4279.298    | 4260.491    |
| 14.5 | 4399.665   | 4350.766    | 4314.405    | 4256.729    | 4236.668    |
| 15.0 | 4382.112   | 4333.212    | 4293.090    | 4232.907    | 4211.592    |
| 15.5 | 4364.558   | 4314.405    | 4271.775    | 4207.830    | 4186.515    |
| 16.0 | 4345.751   | 4295.598    | 4249.206    | 4182.754    | 4158.931    |
| 16.5 | 4328.197   | 4276.790    | 4226.637    | 4156.423    | 4132.601    |
| 17.0 | 4308.136   | 4255.475    | 4202.815    | 4130.093    | 4103.763    |
| 17.5 | 4289.329   | 4234.160    | 4180.246    | 4102.509    | 4074.925    |
| 18.0 | 4268.014   | 4214.099    | 4155.170    | 4074.925    | 4046.087    |
| 18.5 | 4249.206   | 4191.530    | 4130.093    | 4046.087    | 4014.741    |
| 19.0 | 4226.637   | 4168.962    | 4103.763    | 4015.995    | 3983.396    |
| 19.5 | 4205.322   | 4146.393    | 4077.433    | 3987.157    | 3952.050    |
| 20.0 | 4182.754   | 4122.570    | 4049.848    | 3957.066    | 3920.705    |
| 20.5 | 4160.185   | 4098.748    | 4022.264    | 3925.720    | 3888.105    |
| 21.0 | 4136.362   | 4074.925    | 3994.680    | 3894.374    | 3854.252    |
| 21.5 | 4113.793   | 4048.595    | 3965.842    | 3861.775    | 3821.653    |
| 22.0 | 4088.717   | 4023.518    | 3935.751    | 3829.176    | 3789.053    |
| 22.5 | 4063.640   | 3997.188    | 3905.659    | 3796.576    | 3753.946    |
| 23.0 | 4039.818   | 3972.111    | 3876.821    | 3761.469    | 3718.839    |
| 23.5 | 4014.741   | 3944.527    | 3845.475    | 3727.616    | 3683.732    |
| 24.0 | 3988.411   | 3916.943    | 3814.130    | 3693.763    | 3647.371    |
| 24.5 | 3962.081   | 3889.359    | 3781.530    | 3658.656    | 3612.264    |
| 25.0 | 3934.497   | 3861.775    | 3750.185    | 3623.549    | 3575.903    |
| 25.5 | 3905.659   | 3831.683    | 3717.585    | 3587.188    | 3537.035    |
| 26.0 | 3878.075   | 3802.845    | 3682.478    | 3550.827    | 3499.420    |
| 26.5 | 3850.491   | 3772.754    | 3649.879    | 3514.466    | 3460.552    |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 27.0 | 3820.399 | 3742.662 | 3614.772 | 3476.851 | 3422.937 |
| 27.5 | 3789.053 | 3711.316 | 3580.919 | 3439.237 | 3385.322 |
| 28.0 | 3760.215 | 3681.224 | 3545.812 | 3400.368 | 3345.200 |
| 28.5 | 3730.124 | 3649.879 | 3511.958 | 3362.753 | 3306.331 |
| 29.0 | 3700.032 | 3618.533 | 3476.851 | 3323.885 | 3268.717 |
| 29.5 | 3664.925 | 3585.934 | 3440.490 | 3285.016 | 3228.594 |
| 30.0 | 3631.072 | 3552.081 | 3404.130 | 3246.148 | 3189.726 |
| 30.5 | 3599.726 | 3519.481 | 3369.023 | 3208.533 | 3149.603 |
| 31.0 | 3567.127 | 3486.882 | 3332.662 | 3169.665 | 3109.481 |
| 31.5 | 3535.781 | 3453.029 | 3296.301 | 3129.542 | 3069.359 |
| 32.0 | 3500.674 | 3419.175 | 3258.686 | 3090.674 | 3030.490 |
| 32.5 | 3468.075 | 3384.068 | 3222.325 | 3050.551 | 2989.114 |
| 33.0 | 3434.221 | 3350.215 | 3183.457 | 3011.683 | 2950.246 |
| 33.5 | 3400.368 | 3315.108 | 3148.350 | 2971.561 | 2907.616 |
| 34.0 | 3367.769 | 3280.001 | 3109.481 | 2932.692 | 2868.747 |
| 34.5 | 3333.915 | 3246.148 | 3071.866 | 2893.824 | 2829.879 |
| 35.0 | 3300.062 | 3209.787 | 3032.998 | 2853.701 | 2789.756 |
| 35.5 | 3264.955 | 3173.426 | 2995.383 | 2816.087 | 2748.380 |
| 36.0 | 3232.356 | 3138.319 | 2957.769 | 2775.964 | 2710.765 |
| 36.5 | 3197.249 | 3101.958 | 2918.900 | 2737.096 | 2670.643 |
| 37.0 | 3160.888 | 3065.597 | 2882.539 | 2698.227 | 2633.028 |
| 37.5 | 3125.781 | 3029.236 | 2844.924 | 2658.105 | 2592.906 |
| 38.0 | 3090.674 | 2991.622 | 2806.056 | 2619.236 | 2552.784 |
| 38.5 | 3054.313 | 2956.515 | 2768.441 | 2580.368 | 2513.915 |
| 39.0 | 3016.698 | 2918.900 | 2730.827 | 2541.499 | 2475.047 |
| 39.5 | 2981.591 | 2882.539 | 2691.958 | 2502.631 | 2436.178 |
| 40.0 | 2945.230 | 2844.924 | 2654.343 | 2466.270 | 2398.563 |
| 40.5 | 2906.362 | 2808.564 | 2615.475 | 2427.401 | 2358.441 |
| 41.0 | 2870.001 | 2770.949 | 2577.860 | 2388.533 | 2317.065 |
| 41.5 | 2833.640 | 2734.588 | 2540.245 | 2349.664 | 2278.196 |
| 42.0 | 2794.772 | 2696.973 | 2502.631 | 2309.542 | 2238.074 |
| 42.5 | 2754.649 | 2658.105 | 2465.016 | 2271.927 | 2199.206 |
| 43.0 | 2717.035 | 2620.490 | 2427.401 | 2230.551 | 2160.337 |
| 43.5 | 2680.674 | 2584.129 | 2389.787 | 2191.683 | 2123.976 |
| 44.0 | 2640.551 | 2546.515 | 2352.172 | 2155.322 | 2086.362 |
| 44.5 | 2602.937 | 2508.900 | 2310.796 | 2117.707 | 2048.747 |
| 45.0 | 2564.068 | 2472.539 | 2273.181 | 2081.346 | 2012.386 |
| 45.5 | 2525.200 | 2433.671 | 2234.313 | 2044.985 | 1974.771 |
| 46.0 | 2487.585 | 2397.310 | 2197.952 | 2008.625 | 1938.410 |
| 46.5 | 2449.970 | 2359.695 | 2161.591 | 1973.517 | 1903.303 |
| 47.0 | 2411.102 | 2322.080 | 2125.230 | 1937.157 | 1866.943 |
| 47.5 | 2372.233 | 2281.958 | 2090.123 | 1902.050 | 1831.835 |
| 48.0 | 2334.619 | 2243.089 | 2055.016 | 1866.943 | 1795.475 |
| 48.5 | 2295.750 | 2206.729 | 2018.655 | 1831.835 | 1760.368 |
| 49.0 | 2254.374 | 2169.114 | 1983.548 | 1796.728 | 1726.514 |
| 49.5 | 2218.013 | 2134.007 | 1949.695 | 1761.621 | 1692.661 |
| 50.0 | 2180.398 | 2097.646 | 1914.588 | 1727.768 | 1658.808 |
| 50.5 | 2145.291 | 2061.285 | 1879.481 | 1693.915 | 1624.955 |
| 51.0 | 2107.677 | 2026.178 | 1844.374 | 1658.808 | 1591.101 |
| 51.5 | 2071.316 | 1989.817 | 1810.520 | 1626.208 | 1558.502 |
| 52.0 | 2036.209 | 1953.456 | 1775.413 | 1592.355 | 1525.903 |
| 52.5 | 1999.848 | 1918.349 | 1741.560 | 1559.756 | 1494.557 |
| 53.0 | 1963.487 | 1883.242 | 1707.707 | 1527.156 | 1463.211 |
| 53.5 | 1927.126 | 1848.135 | 1675.108 | 1494.557 | 1430.612 |
| 54.0 | 1892.019 | 1813.028 | 1640.001 | 1463.211 | 1399.267 |
| 54.5 | 1855.658 | 1779.175 | 1607.401 | 1430.612 | 1367.921 |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 55.0 | 1820.551 | 1744.068 | 1573.548 | 1400.520 | 1336.575 |
| 55.5 | 1784.190 | 1710.215 | 1540.949 | 1367.921 | 1306.484 |
| 56.0 | 1747.829 | 1675.108 | 1508.349 | 1337.829 | 1276.392 |
| 56.5 | 1712.722 | 1641.254 | 1475.750 | 1307.737 | 1248.181 |
| 57.0 | 1676.361 | 1607.401 | 1441.896 | 1277.646 | 1218.465 |
| 57.5 | 1641.254 | 1574.802 | 1410.551 | 1247.554 | 1189.502 |
| 58.0 | 1606.147 | 1540.949 | 1377.952 | 1217.964 | 1161.040 |
| 58.5 | 1571.040 | 1507.095 | 1345.352 | 1188.750 | 1132.578 |
| 59.0 | 1535.933 | 1474.496 | 1314.007 | 1160.037 | 1104.367 |
| 59.5 | 1500.826 | 1441.896 | 1282.661 | 1131.325 | 1076.909 |
| 60.0 | 1466.973 | 1409.297 | 1251.065 | 1102.487 | 1049.575 |
| 60.5 | 1433.120 | 1376.698 | 1220.471 | 1074.401 | 1022.242 |
| 61.0 | 1399.267 | 1345.352 | 1189.251 | 1046.566 | 995.410  |
| 61.5 | 1366.667 | 1312.753 | 1158.909 | 1018.480 | 968.954  |
| 62.0 | 1332.814 | 1280.153 | 1128.315 | 991.649  | 943.376  |
| 62.5 | 1300.214 | 1249.184 | 1098.725 | 964.691  | 917.297  |
| 63.0 | 1267.615 | 1218.214 | 1069.260 | 937.860  | 891.719  |
| 63.5 | 1235.643 | 1187.245 | 1039.795 | 910.777  | 865.890  |
| 64.0 | 1204.548 | 1156.526 | 1011.083 | 884.698  | 841.064  |
| 64.5 | 1172.450 | 1125.808 | 982.120  | 858.743  | 816.364  |
| 65.0 | 1141.355 | 1095.716 | 953.658  | 832.789  | 792.291  |
| 65.5 | 1110.511 | 1065.248 | 924.945  | 807.337  | 767.716  |
| 66.0 | 1079.792 | 1035.031 | 897.236  | 782.511  | 743.642  |
| 66.5 | 1049.325 | 1005.190 | 869.401  | 757.309  | 719.318  |
| 67.0 | 1018.480 | 975.600  | 841.942  | 732.358  | 695.997  |
| 67.5 | 987.636  | 946.009  | 814.860  | 708.285  | 672.676  |
| 68.0 | 958.046  | 916.921  | 787.526  | 684.086  | 649.104  |
| 68.5 | 927.829  | 888.083  | 760.820  | 660.263  | 626.410  |
| 69.0 | 897.863  | 859.245  | 734.364  | 636.566  | 603.841  |
| 69.5 | 868.774  | 830.532  | 708.535  | 613.119  | 581.899  |
| 70.0 | 839.309  | 801.945  | 682.205  | 590.175  | 559.707  |
| 70.5 | 810.220  | 773.860  | 656.376  | 567.355  | 538.266  |
| 71.0 | 781.132  | 746.025  | 631.300  | 545.162  | 516.575  |
| 71.5 | 752.670  | 717.939  | 606.223  | 523.095  | 495.636  |
| 72.0 | 724.334  | 690.606  | 581.398  | 501.153  | 474.697  |
| 72.5 | 696.123  | 663.523  | 556.697  | 479.713  | 454.385  |
| 73.0 | 668.664  | 636.817  | 532.499  | 458.147  | 434.450  |
| 73.5 | 641.205  | 609.734  | 508.676  | 437.584  | 414.514  |
| 74.0 | 614.248  | 583.153  | 485.104  | 416.896  | 394.703  |
| 74.5 | 587.541  | 557.074  | 461.783  | 396.835  | 375.896  |
| 75.0 | 561.211  | 531.370  | 438.587  | 376.648  | 357.214  |
| 75.5 | 535.382  | 506.168  | 416.144  | 357.465  | 338.658  |
| 76.0 | 510.181  | 481.217  | 394.202  | 338.281  | 320.728  |
| 76.5 | 484.853  | 456.266  | 372.260  | 319.850  | 303.174  |
| 77.0 | 460.905  | 431.942  | 351.196  | 301.419  | 285.746  |
| 77.5 | 436.581  | 407.994  | 330.257  | 283.615  | 268.694  |
| 78.0 | 412.382  | 384.422  | 309.569  | 266.187  | 252.520  |
| 78.5 | 388.434  | 361.101  | 289.759  | 249.260  | 236.095  |
| 79.0 | 365.615  | 338.658  | 270.324  | 232.584  | 220.297  |
| 79.5 | 343.171  | 315.838  | 251.392  | 215.908  | 204.875  |
| 80.0 | 320.853  | 294.022  | 232.584  | 200.236  | 189.954  |
| 80.5 | 298.661  | 272.330  | 214.278  | 184.688  | 175.159  |
| 81.0 | 277.220  | 251.266  | 196.725  | 169.893  | 161.116  |
| 81.5 | 256.031  | 230.829  | 179.547  | 155.223  | 147.199  |
| 82.0 | 235.593  | 210.141  | 163.248  | 140.930  | 133.407  |
| 82.5 | 215.658  | 190.581  | 147.199  | 127.012  | 120.242  |

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**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 83.0  | 195.973 | 171.272 | 131.651 | 113.471 | 106.826 |
| 83.5  | 176.538 | 152.841 | 116.982 | 100.180 | 94.037  |
| 84.0  | 157.982 | 134.786 | 102.688 | 87.141  | 81.624  |
| 84.5  | 139.676 | 117.734 | 89.021  | 74.728  | 69.713  |
| 85.0  | 122.373 | 101.309 | 75.856  | 63.067  | 58.052  |
| 85.5  | 105.572 | 85.511  | 63.318  | 51.156  | 45.514  |
| 86.0  | 89.774  | 70.465  | 52.034  | 38.869  | 31.722  |
| 86.5  | 74.101  | 56.924  | 41.125  | 24.575  | 19.560  |
| 87.0  | 59.682  | 44.135  | 29.339  | 15.547  | 13.917  |
| 87.5  | 46.266  | 32.850  | 16.927  | 11.911  | 10.908  |
| 88.0  | 33.853  | 22.443  | 10.657  | 9.153   | 8.526   |
| 88.5  | 23.321  | 12.538  | 7.899   | 6.645   | 5.893   |
| 89.0  | 14.670  | 6.269   | 5.266   | 4.263   | 3.761   |
| 89.5  | 7.272   | 3.385   | 2.884   | 2.131   | 1.881   |
| 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-L15-935-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-L15-935-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-L15-935-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-L15-935-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 1639.85 | N.A.  | 16.50  |
| 0-30    | 3361.4  | N.A.  | 33.70  |
| 0-40    | 5257.8  | N.A.  | 52.80  |
| 0-60    | 8425.84 | N.A.  | 84.50  |
| 0-80    | 9863.43 | N.A.  | 99.00  |
| 0-90    | 9966.65 | N.A.  | 100.00 |
| 10-90   | 9533.08 | N.A.  | 95.60  |
| 20-40   | 3617.95 | N.A.  | 36.30  |
| 20-50   | 5376.54 | N.A.  | 53.90  |
| 40-70   | 4123.31 | N.A.  | 41.40  |
| 60-80   | 1437.59 | N.A.  | 14.40  |
| 70-80   | 482.32  | N.A.  | 4.80   |
| 80-90   | 103.22  | 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   | 9966.65 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 433.57  |
| 10-20   | 1206.28 |
| 20-30   | 1721.55 |
| 30-40   | 1896.4  |
| 40-50   | 1758.59 |
| 50-60   | 1409.45 |
| 60-70   | 955.27  |
| 70-80   | 482.32  |
| 80-90   | 103.22  |
| 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-L15-935-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-8-L15-935-DMA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

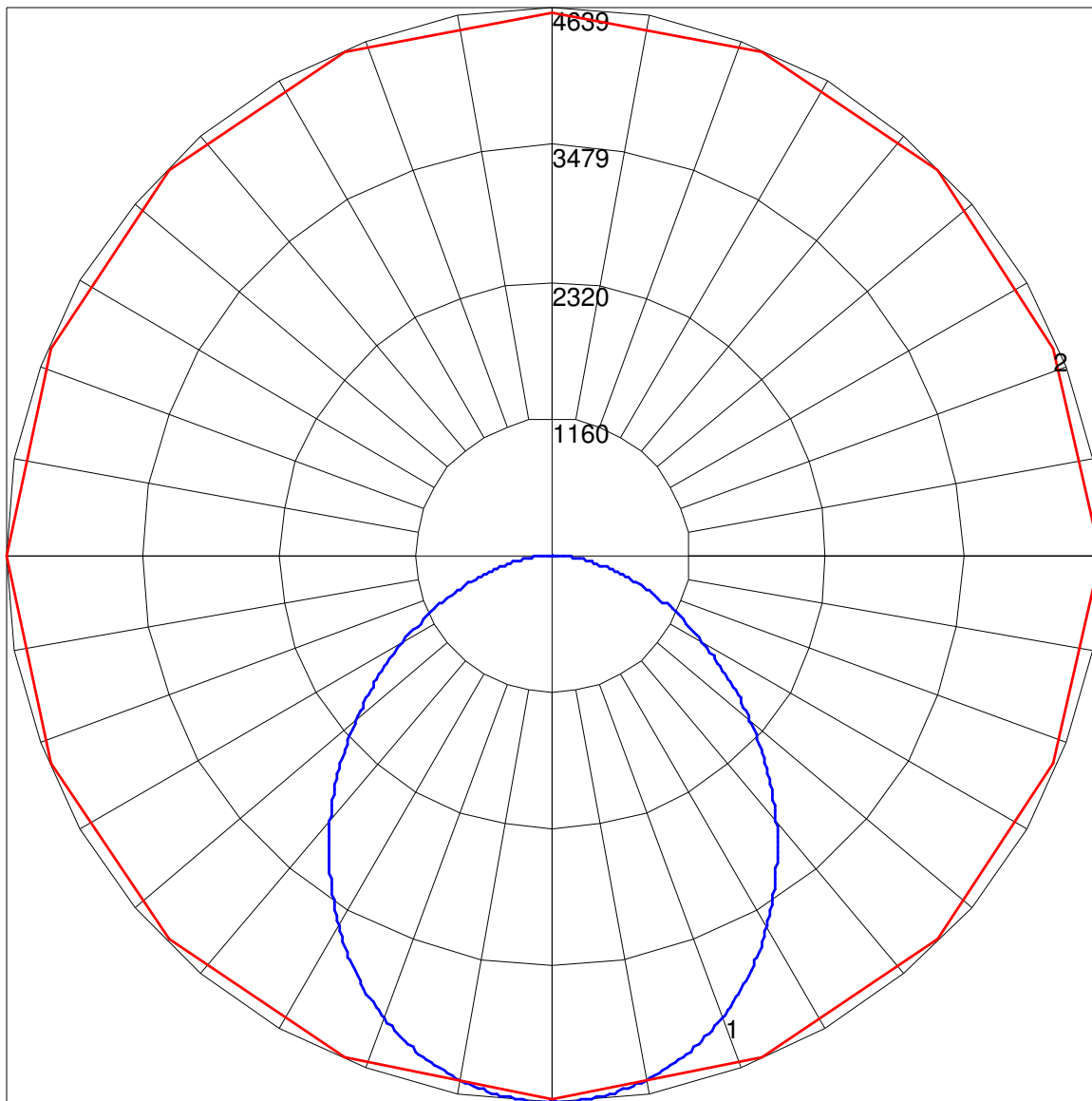
Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 20.1                 | 21.7 | 20.5 | 22.0 | 22.3 | 18.4               | 19.9 | 18.8 | 20.2 | 20.6 |
|           | 3H   | 21.7                 | 23.1 | 22.1 | 23.4 | 23.8 | 19.7               | 21.1 | 20.1 | 21.4 | 21.8 |
|           | 4H   | 22.3                 | 23.6 | 22.7 | 23.9 | 24.3 | 20.2               | 21.5 | 20.6 | 21.8 | 22.2 |
|           | 6H   | 22.6                 | 23.8 | 23.0 | 24.2 | 24.6 | 20.4               | 21.6 | 20.8 | 22.0 | 22.4 |
|           | 8H   | 22.7                 | 23.9 | 23.2 | 24.3 | 24.7 | 20.5               | 21.6 | 20.9 | 22.0 | 22.4 |
|           | 12H  | 22.8                 | 23.9 | 23.2 | 24.3 | 24.7 | 20.5               | 21.6 | 20.9 | 22.0 | 22.4 |
| 4H        | 2H   | 20.5                 | 21.8 | 20.9 | 22.1 | 22.5 | 19.1               | 20.4 | 19.5 | 20.7 | 21.1 |
|           | 3H   | 22.3                 | 23.4 | 22.7 | 23.8 | 24.2 | 20.6               | 21.7 | 21.0 | 22.1 | 22.5 |
|           | 4H   | 23.0                 | 23.9 | 23.4 | 24.4 | 24.8 | 21.1               | 22.1 | 21.5 | 22.5 | 22.9 |
|           | 6H   | 23.5                 | 24.3 | 23.9 | 24.8 | 25.2 | 21.5               | 22.3 | 21.9 | 22.8 | 23.2 |
|           | 8H   | 23.6                 | 24.4 | 24.1 | 24.9 | 25.3 | 21.5               | 22.3 | 22.0 | 22.8 | 23.2 |
|           | 12H  | 23.7                 | 24.4 | 24.2 | 24.9 | 25.4 | 21.6               | 22.3 | 22.1 | 22.8 | 23.2 |
| 8H        | 4H   | 23.1                 | 23.9 | 23.6 | 24.3 | 24.8 | 21.4               | 22.2 | 21.9 | 22.7 | 23.1 |
|           | 6H   | 23.7                 | 24.3 | 24.2 | 24.8 | 25.3 | 21.8               | 22.5 | 22.3 | 23.0 | 23.5 |
|           | 8H   | 23.9                 | 24.5 | 24.4 | 25.0 | 25.5 | 22.0               | 22.6 | 22.5 | 23.1 | 23.6 |
|           | 12H  | 24.0                 | 24.5 | 24.5 | 25.0 | 25.6 | 22.0               | 22.6 | 22.5 | 23.0 | 23.6 |
| 12H       | 4H   | 23.1                 | 23.8 | 23.6 | 24.3 | 24.7 | 21.5               | 22.2 | 21.9 | 22.6 | 23.1 |
|           | 6H   | 23.7                 | 24.3 | 24.2 | 24.7 | 25.3 | 21.9               | 22.5 | 22.4 | 23.0 | 23.5 |
|           | 8H   | 23.9                 | 24.4 | 24.4 | 24.9 | 25.5 | 22.1               | 22.6 | 22.6 | 23.1 | 23.6 |

Maximum UGR = 25.6

POLAR GRAPH



Maximum Candela = 4639.145 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.)