

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX2X-8-L4-840-DMA-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #4792155383.01

[TESTLAB] UL, LLC

[ISSUE DATE] 2026-05-12

[TEST DATE] 3/19/2026

[MANUFAC] H E Williams Inc

[LUMCAT] LRX2x-8-L4-840-DMA-DIM-UNV\_

[LUMINAIRE] Nominal 2" x 8' 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                | 3485            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 109             |
| Total Luminaire Watts           | 32              |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 1.18            |
| Spacing Criterion (90-270)      | 1.04            |
| Spacing Criterion (Diagonal)    | 1.20            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 8.00 ft         |
| Luminous Width (90-270)         | 0.23 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                  | 7443             | 6444              | 5621              |
| 55                  | 6578             | 5517              | 4565              |
| 65                  | 5643             | 4440              | 3584              |
| 75                  | 4527             | 3166              | 2459              |
| 85                  | 2980             | 943               | 511               |

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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  | 1657.754   | 1657.754    | 1657.754    | 1657.754    | 1657.754    |
| 0.5  | 1660.337   | 1655.170    | 1659.304    | 1658.270    | 1653.620    |
| 1.0  | 1659.304   | 1654.653    | 1659.304    | 1657.754    | 1653.103    |
| 1.5  | 1658.787   | 1653.620    | 1657.754    | 1656.203    | 1651.553    |
| 2.0  | 1658.270   | 1653.103    | 1657.237    | 1655.170    | 1650.002    |
| 2.5  | 1657.237   | 1652.069    | 1655.687    | 1653.103    | 1648.452    |
| 3.0  | 1656.203   | 1651.036    | 1654.136    | 1651.036    | 1645.868    |
| 3.5  | 1654.653   | 1649.486    | 1651.553    | 1647.935    | 1643.284    |
| 4.0  | 1653.103   | 1647.419    | 1649.486    | 1645.351    | 1639.667    |
| 4.5  | 1651.553   | 1645.351    | 1646.385    | 1641.734    | 1635.533    |
| 5.0  | 1650.519   | 1643.284    | 1643.801    | 1637.600    | 1631.916    |
| 5.5  | 1647.419   | 1640.701    | 1640.184    | 1633.983    | 1627.782    |
| 6.0  | 1645.351   | 1638.117    | 1636.567    | 1629.332    | 1623.131    |
| 6.5  | 1642.768   | 1635.016    | 1632.949    | 1624.164    | 1617.963    |
| 7.0  | 1639.667   | 1631.399    | 1628.815    | 1619.514    | 1611.762    |
| 7.5  | 1636.567   | 1628.299    | 1624.164    | 1613.313    | 1605.561    |
| 8.0  | 1633.466   | 1624.681    | 1619.514    | 1607.628    | 1598.843    |
| 8.5  | 1629.849   | 1620.547    | 1614.346    | 1601.427    | 1593.159    |
| 9.0  | 1625.715   | 1616.413    | 1609.179    | 1594.709    | 1586.441    |
| 9.5  | 1622.097   | 1612.796    | 1603.494    | 1587.992    | 1578.690    |
| 10.0 | 1617.963   | 1608.145    | 1597.810    | 1580.757    | 1570.939    |
| 10.5 | 1614.346   | 1603.494    | 1591.609    | 1573.006    | 1562.670    |
| 11.0 | 1609.695   | 1598.327    | 1584.891    | 1565.254    | 1553.369    |
| 11.5 | 1605.561   | 1593.676    | 1578.173    | 1556.986    | 1545.618    |
| 12.0 | 1602.461   | 1589.025    | 1570.939    | 1548.718    | 1536.833    |
| 12.5 | 1595.743   | 1583.857    | 1563.704    | 1539.416    | 1528.048    |
| 13.0 | 1589.542   | 1577.656    | 1556.469    | 1530.632    | 1518.229    |
| 13.5 | 1584.374   | 1570.422    | 1548.718    | 1521.847    | 1508.411    |
| 14.0 | 1578.173   | 1563.704    | 1540.450    | 1512.028    | 1498.593    |
| 14.5 | 1571.972   | 1556.469    | 1532.182    | 1502.210    | 1488.258    |
| 15.0 | 1565.771   | 1549.752    | 1524.431    | 1492.392    | 1477.406    |
| 15.5 | 1559.570   | 1543.034    | 1516.162    | 1481.540    | 1466.554    |
| 16.0 | 1552.852   | 1535.799    | 1507.894    | 1471.205    | 1456.219    |
| 16.5 | 1546.651   | 1528.048    | 1498.593    | 1460.870    | 1444.850    |
| 17.0 | 1538.900   | 1520.296    | 1488.258    | 1449.501    | 1432.965    |
| 17.5 | 1531.665   | 1512.545    | 1478.439    | 1438.649    | 1421.596    |
| 18.0 | 1524.947   | 1504.277    | 1468.621    | 1427.280    | 1409.194    |
| 18.5 | 1516.679   | 1496.009    | 1458.286    | 1415.395    | 1397.309    |
| 19.0 | 1508.928   | 1487.741    | 1447.951    | 1404.543    | 1385.423    |
| 19.5 | 1501.693   | 1478.956    | 1437.616    | 1392.141    | 1371.987    |
| 20.0 | 1492.908   | 1470.171    | 1427.280    | 1379.739    | 1359.585    |
| 20.5 | 1485.157   | 1461.903    | 1416.945    | 1367.853    | 1347.183    |
| 21.0 | 1476.889   | 1452.601    | 1405.577    | 1355.968    | 1334.264    |
| 21.5 | 1468.104   | 1443.300    | 1394.208    | 1343.566    | 1321.345    |
| 22.0 | 1459.319   | 1433.998    | 1383.356    | 1330.647    | 1308.426    |
| 22.5 | 1450.534   | 1424.180    | 1372.504    | 1317.728    | 1295.508    |
| 23.0 | 1441.233   | 1414.878    | 1360.619    | 1304.809    | 1282.072    |
| 23.5 | 1432.448   | 1405.060    | 1348.733    | 1292.407    | 1268.636    |
| 24.0 | 1422.113   | 1394.725    | 1336.848    | 1278.971    | 1255.717    |
| 24.5 | 1412.811   | 1384.390    | 1324.446    | 1266.052    | 1242.282    |
| 25.0 | 1402.993   | 1374.055    | 1313.077    | 1252.617    | 1228.846    |
| 25.5 | 1393.174   | 1363.719    | 1300.675    | 1239.181    | 1214.894    |
| 26.0 | 1383.356   | 1352.351    | 1288.273    | 1226.262    | 1201.458    |
| 26.5 | 1373.021   | 1342.016    | 1275.871    | 1212.827    | 1187.506    |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|
| 27.0 | 1362.169 | 1330.647 | 1263.469 | 1199.391 | 1174.070 |
| 27.5 | 1351.317 | 1319.795 | 1250.550 | 1185.955 | 1160.117 |
| 28.0 | 1339.432 | 1308.426 | 1238.148 | 1172.520 | 1146.165 |
| 28.5 | 1327.546 | 1297.058 | 1225.746 | 1159.601 | 1132.213 |
| 29.0 | 1316.695 | 1285.689 | 1212.310 | 1145.648 | 1118.260 |
| 29.5 | 1305.843 | 1273.804 | 1199.391 | 1131.696 | 1103.791 |
| 30.0 | 1293.957 | 1261.918 | 1186.989 | 1118.260 | 1090.872 |
| 30.5 | 1283.105 | 1250.550 | 1174.070 | 1104.308 | 1076.920 |
| 31.0 | 1271.220 | 1238.664 | 1161.151 | 1090.355 | 1063.484 |
| 31.5 | 1260.368 | 1226.262 | 1147.715 | 1076.920 | 1050.048 |
| 32.0 | 1248.483 | 1213.860 | 1134.796 | 1062.967 | 1036.096 |
| 32.5 | 1236.597 | 1201.458 | 1121.361 | 1048.498 | 1022.144 |
| 33.0 | 1225.229 | 1189.056 | 1108.442 | 1035.063 | 1008.708 |
| 33.5 | 1213.343 | 1177.170 | 1095.523 | 1022.144 | 995.272  |
| 34.0 | 1200.941 | 1164.252 | 1082.087 | 1008.191 | 981.320  |
| 34.5 | 1189.056 | 1151.849 | 1069.168 | 994.756  | 968.401  |
| 35.0 | 1176.654 | 1139.447 | 1055.733 | 981.320  | 953.932  |
| 35.5 | 1165.285 | 1126.528 | 1042.297 | 967.884  | 939.979  |
| 36.0 | 1152.883 | 1114.126 | 1029.378 | 953.932  | 924.993  |
| 36.5 | 1140.481 | 1101.207 | 1015.943 | 939.979  | 912.075  |
| 37.0 | 1128.595 | 1088.288 | 1002.507 | 925.510  | 898.639  |
| 37.5 | 1115.676 | 1075.369 | 990.105  | 912.075  | 885.720  |
| 38.0 | 1102.241 | 1062.967 | 976.669  | 899.156  | 872.284  |
| 38.5 | 1089.839 | 1049.532 | 963.233  | 886.237  | 859.365  |
| 39.0 | 1077.953 | 1036.613 | 948.764  | 872.801  | 846.447  |
| 39.5 | 1064.518 | 1023.694 | 934.812  | 859.882  | 833.528  |
| 40.0 | 1052.115 | 1010.775 | 921.376  | 847.480  | 820.609  |
| 40.5 | 1039.197 | 997.856  | 908.457  | 834.044  | 807.690  |
| 41.0 | 1025.244 | 984.937  | 895.538  | 821.642  | 794.771  |
| 41.5 | 1012.325 | 971.502  | 882.103  | 808.723  | 782.369  |
| 42.0 | 998.890  | 958.066  | 869.701  | 796.321  | 769.450  |
| 42.5 | 985.454  | 944.113  | 856.265  | 783.402  | 757.048  |
| 43.0 | 972.535  | 929.644  | 844.379  | 771.000  | 744.129  |
| 43.5 | 958.583  | 916.725  | 831.461  | 758.598  | 731.210  |
| 44.0 | 944.113  | 903.806  | 818.542  | 746.196  | 718.291  |
| 44.5 | 929.127  | 890.371  | 806.140  | 733.794  | 705.372  |
| 45.0 | 916.209  | 877.452  | 793.221  | 721.392  | 691.936  |
| 45.5 | 903.290  | 864.533  | 780.818  | 708.989  | 679.018  |
| 46.0 | 889.854  | 851.614  | 767.900  | 696.070  | 666.615  |
| 46.5 | 876.418  | 838.695  | 755.497  | 683.668  | 653.696  |
| 47.0 | 862.983  | 825.776  | 743.612  | 670.749  | 641.294  |
| 47.5 | 850.064  | 812.857  | 731.210  | 658.347  | 628.892  |
| 48.0 | 836.628  | 799.938  | 718.808  | 645.428  | 616.490  |
| 48.5 | 823.709  | 787.536  | 706.406  | 633.026  | 604.088  |
| 49.0 | 810.790  | 774.617  | 694.520  | 620.624  | 591.686  |
| 49.5 | 797.355  | 761.699  | 682.118  | 608.222  | 579.800  |
| 50.0 | 784.953  | 749.296  | 670.233  | 596.337  | 568.432  |
| 50.5 | 772.034  | 736.377  | 658.347  | 583.934  | 556.546  |
| 51.0 | 759.115  | 723.975  | 646.462  | 572.049  | 544.661  |
| 51.5 | 746.196  | 711.573  | 634.577  | 560.164  | 533.292  |
| 52.0 | 733.277  | 699.171  | 622.691  | 548.278  | 521.924  |
| 52.5 | 720.875  | 686.769  | 610.806  | 536.910  | 510.452  |
| 53.0 | 707.956  | 674.883  | 598.920  | 525.024  | 498.928  |
| 53.5 | 695.037  | 662.481  | 587.035  | 513.604  | 488.490  |
| 54.0 | 682.118  | 650.079  | 575.150  | 502.184  | 477.173  |
| 54.5 | 669.716  | 637.677  | 562.747  | 490.970  | 466.321  |

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**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|
| 55.0 | 656.797 | 625.792 | 550.862 | 479.550 | 455.779 |
| 55.5 | 644.395 | 613.906 | 538.977 | 468.543 | 445.237 |
| 56.0 | 631.476 | 602.021 | 526.574 | 457.484 | 434.592 |
| 56.5 | 619.074 | 589.619 | 514.896 | 446.736 | 423.895 |
| 57.0 | 606.155 | 578.250 | 503.165 | 435.884 | 413.663 |
| 57.5 | 594.270 | 566.365 | 491.435 | 425.290 | 403.328 |
| 58.0 | 581.867 | 554.479 | 479.756 | 414.748 | 393.355 |
| 58.5 | 568.948 | 542.594 | 468.336 | 404.310 | 383.226 |
| 59.0 | 557.063 | 530.709 | 456.812 | 394.027 | 373.201 |
| 59.5 | 544.661 | 519.340 | 445.392 | 383.743 | 363.486 |
| 60.0 | 532.776 | 507.661 | 434.178 | 373.770 | 353.978 |
| 60.5 | 520.373 | 496.293 | 423.172 | 363.641 | 344.315 |
| 61.0 | 508.385 | 484.872 | 412.165 | 353.616 | 334.910 |
| 61.5 | 496.396 | 473.504 | 401.158 | 343.798 | 325.763 |
| 62.0 | 484.459 | 462.135 | 390.203 | 334.393 | 316.513 |
| 62.5 | 472.780 | 451.025 | 379.351 | 324.833 | 307.315 |
| 63.0 | 461.101 | 439.966 | 368.654 | 315.325 | 298.427 |
| 63.5 | 449.681 | 429.011 | 357.957 | 305.971 | 289.745 |
| 64.0 | 437.899 | 418.004 | 347.467 | 296.773 | 280.805 |
| 64.5 | 426.427 | 407.152 | 337.028 | 287.626 | 272.175 |
| 65.0 | 415.110 | 396.249 | 326.642 | 278.635 | 263.649 |
| 65.5 | 403.742 | 385.448 | 316.358 | 269.643 | 255.122 |
| 66.0 | 392.580 | 374.907 | 306.178 | 260.910 | 246.699 |
| 66.5 | 381.521 | 364.261 | 296.205 | 252.074 | 238.483 |
| 67.0 | 370.307 | 353.616 | 286.128 | 243.444 | 230.318 |
| 67.5 | 359.301 | 343.126 | 276.361 | 234.917 | 222.102 |
| 68.0 | 348.500 | 332.429 | 266.439 | 226.443 | 214.092 |
| 68.5 | 337.648 | 321.681 | 256.931 | 218.174 | 206.134 |
| 69.0 | 326.900 | 310.725 | 247.423 | 209.855 | 198.279 |
| 69.5 | 316.203 | 300.080 | 238.018 | 201.742 | 190.631 |
| 70.0 | 305.455 | 289.383 | 228.716 | 193.732 | 182.777 |
| 70.5 | 294.809 | 278.687 | 219.518 | 185.774 | 175.335 |
| 71.0 | 284.216 | 268.145 | 210.423 | 177.867 | 167.791 |
| 71.5 | 273.932 | 257.758 | 201.483 | 170.168 | 160.246 |
| 72.0 | 263.804 | 247.475 | 192.698 | 162.416 | 152.856 |
| 72.5 | 253.417 | 237.449 | 184.017 | 154.872 | 145.570 |
| 73.0 | 243.340 | 227.373 | 175.490 | 147.379 | 138.491 |
| 73.5 | 233.212 | 217.348 | 167.119 | 139.938 | 131.308 |
| 74.0 | 223.445 | 207.684 | 158.851 | 132.806 | 124.435 |
| 74.5 | 213.627 | 198.021 | 150.738 | 125.520 | 117.562 |
| 75.0 | 203.964 | 188.409 | 142.625 | 118.441 | 110.793 |
| 75.5 | 194.352 | 179.108 | 134.770 | 111.464 | 104.281 |
| 76.0 | 185.102 | 169.806 | 127.070 | 104.746 | 97.770  |
| 76.5 | 175.904 | 160.815 | 119.422 | 98.132  | 91.518  |
| 77.0 | 166.809 | 151.720 | 111.981 | 91.569  | 85.523  |
| 77.5 | 157.921 | 142.883 | 104.643 | 85.265  | 79.529  |
| 78.0 | 149.084 | 134.202 | 97.409  | 79.115  | 73.689  |
| 78.5 | 140.506 | 125.675 | 90.226  | 73.121  | 68.005  |
| 79.0 | 132.031 | 117.252 | 83.301  | 67.230  | 62.424  |
| 79.5 | 123.866 | 108.932 | 76.583  | 61.546  | 56.895  |
| 80.0 | 115.805 | 100.819 | 70.072  | 56.016  | 51.572  |
| 80.5 | 107.899 | 92.861  | 63.768  | 50.487  | 46.250  |
| 81.0 | 100.096 | 85.006  | 57.773  | 45.113  | 41.082  |
| 81.5 | 92.499  | 77.410  | 51.882  | 39.790  | 35.811  |
| 82.0 | 85.110  | 70.072  | 46.301  | 34.674  | 30.592  |
| 82.5 | 77.927  | 62.941  | 40.824  | 29.403  | 25.063  |

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**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|
| 83.0  | 70.951 | 56.016 | 35.449 | 24.029 | 19.120 |
| 83.5  | 64.181 | 49.299 | 30.282 | 18.086 | 12.764 |
| 84.0  | 57.618 | 42.942 | 25.218 | 12.040 | 9.870  |
| 84.5  | 51.314 | 36.845 | 20.102 | 9.198  | 8.733  |
| 85.0  | 45.216 | 31.057 | 14.314 | 8.061  | 7.751  |
| 85.5  | 39.377 | 25.631 | 8.682  | 7.080  | 6.821  |
| 86.0  | 33.744 | 20.464 | 6.821  | 6.098  | 5.891  |
| 86.5  | 28.267 | 15.606 | 5.788  | 5.168  | 4.961  |
| 87.0  | 23.151 | 10.852 | 4.806  | 4.289  | 4.082  |
| 87.5  | 18.241 | 5.736  | 3.824  | 3.359  | 3.256  |
| 88.0  | 13.642 | 3.617  | 2.946  | 2.532  | 2.377  |
| 88.5  | 9.405  | 2.687  | 2.067  | 1.757  | 1.654  |
| 89.0  | 5.736  | 1.757  | 1.240  | 1.034  | 0.982  |
| 89.5  | 2.584  | 0.930  | 0.620  | 0.517  | 0.413  |
| 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 : LRX2X-8-L4-840-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 : LRX2X-8-L4-840-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 : LRX2X-8-L4-840-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 : LRX2X-8-L4-840-DMA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 582.98  | N.A.  | 16.70  |
| 0-30    | 1186.8  | N.A.  | 34.10  |
| 0-40    | 1849.29 | N.A.  | 53.10  |
| 0-60    | 2960.87 | N.A.  | 85.00  |
| 0-80    | 3455.86 | N.A.  | 99.20  |
| 0-90    | 3485.34 | N.A.  | 100.00 |
| 10-90   | 3330.13 | N.A.  | 95.50  |
| 20-40   | 1266.31 | N.A.  | 36.30  |
| 20-50   | 1882.8  | N.A.  | 54.00  |
| 40-70   | 1444.37 | N.A.  | 41.40  |
| 60-80   | 494.99  | N.A.  | 14.20  |
| 70-80   | 162.20  | N.A.  | 4.70   |
| 80-90   | 29.47   | N.A.  | 0.80   |
| 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   | 3485.34 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 155.21 |
| 10-20   | 427.78 |
| 20-30   | 603.82 |
| 30-40   | 662.49 |
| 40-50   | 616.49 |
| 50-60   | 495.09 |
| 60-70   | 332.79 |
| 70-80   | 162.20 |
| 80-90   | 29.47  |
| 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 : LRX2X-8-L4-840-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 | 99  | 107 | 104 | 100 | 97  | 99  | 96  | 94  | 95  | 93  | 91  | 92  | 90  | 88  | 86  |
| 2  | 101 | 93  | 87  | 82  | 98  | 92  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 79  | 76  | 74  |
| 3  | 93  | 83  | 76  | 70  | 90  | 82  | 75  | 69  | 79  | 73  | 68  | 76  | 71  | 67  | 73  | 69  | 65  | 63  |
| 4  | 85  | 74  | 66  | 60  | 83  | 73  | 65  | 60  | 71  | 64  | 59  | 68  | 63  | 58  | 66  | 61  | 57  | 55  |
| 5  | 79  | 67  | 59  | 52  | 77  | 66  | 58  | 52  | 64  | 57  | 52  | 62  | 56  | 51  | 60  | 55  | 50  | 48  |
| 6  | 73  | 61  | 52  | 46  | 71  | 60  | 52  | 46  | 58  | 51  | 46  | 56  | 50  | 45  | 55  | 49  | 45  | 43  |
| 7  | 68  | 55  | 47  | 41  | 67  | 55  | 47  | 41  | 53  | 46  | 41  | 52  | 45  | 41  | 50  | 45  | 40  | 38  |
| 8  | 64  | 51  | 43  | 37  | 62  | 50  | 42  | 37  | 49  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 36  | 35  |
| 9  | 60  | 47  | 39  | 34  | 58  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 33  | 43  | 37  | 33  | 31  |
| 10 | 56  | 43  | 36  | 31  | 55  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 31  | 40  | 35  | 30  | 29  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LRX2X-8-L4-840-DMA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

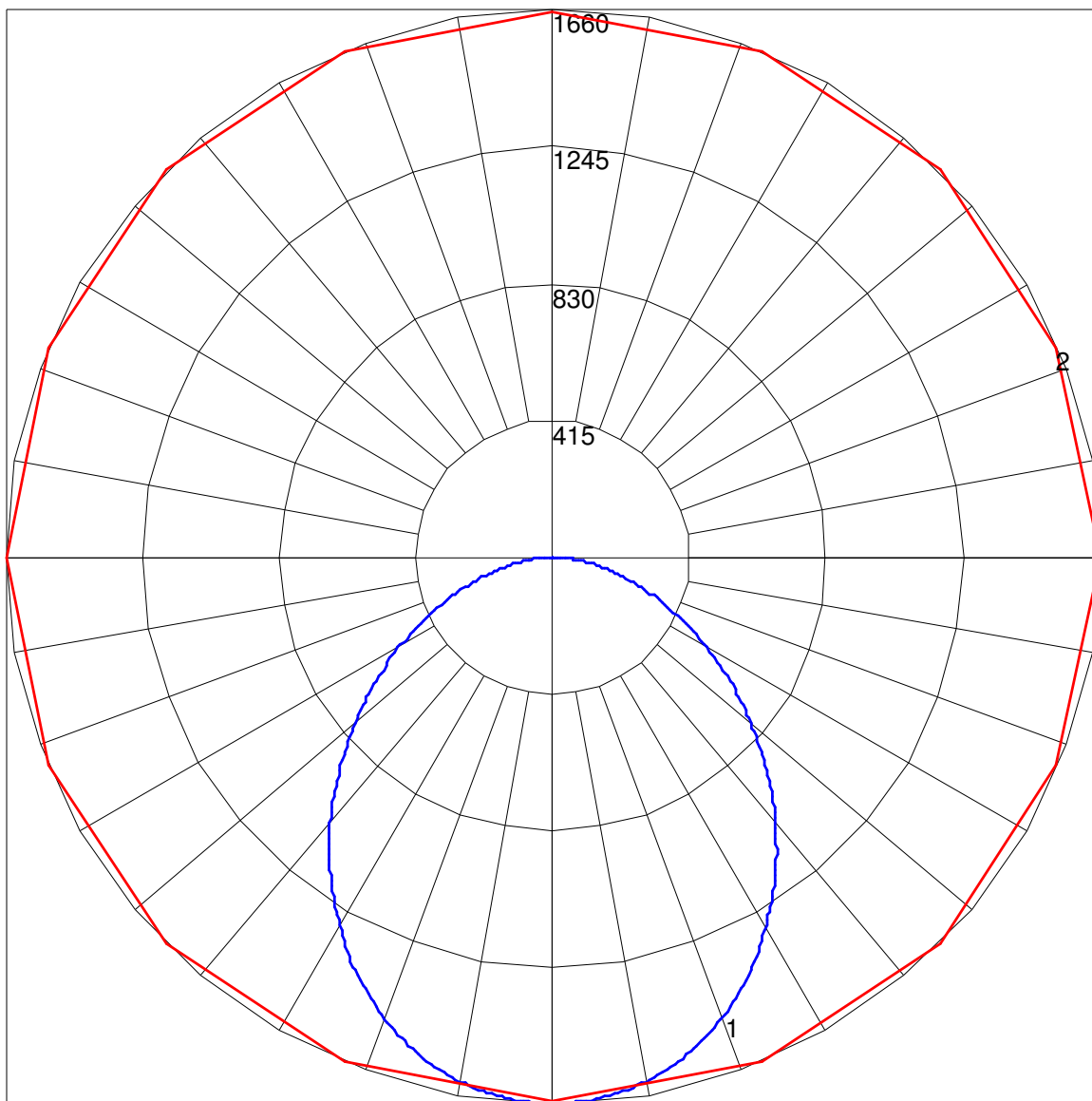
Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 18.5                 | 20.0 | 18.9 | 20.4 | 20.7 | 16.4               | 17.9 | 16.7 | 18.2 | 18.5 |
|           | 3H   | 20.1                 | 21.5 | 20.5 | 21.8 | 22.2 | 17.6               | 19.0 | 18.0 | 19.3 | 19.7 |
|           | 4H   | 20.7                 | 22.0 | 21.1 | 22.3 | 22.7 | 18.0               | 19.3 | 18.4 | 19.7 | 20.0 |
|           | 6H   | 21.0                 | 22.2 | 21.4 | 22.6 | 23.0 | 18.2               | 19.4 | 18.6 | 19.8 | 20.1 |
|           | 8H   | 21.1                 | 22.3 | 21.6 | 22.7 | 23.1 | 18.2               | 19.3 | 18.6 | 19.7 | 20.1 |
|           | 12H  | 21.2                 | 22.3 | 21.6 | 22.7 | 23.1 | 18.2               | 19.3 | 18.6 | 19.7 | 20.1 |
| 4H        | 2H   | 18.8                 | 20.1 | 19.2 | 20.5 | 20.8 | 17.1               | 18.4 | 17.5 | 18.7 | 19.1 |
|           | 3H   | 20.6                 | 21.7 | 21.1 | 22.1 | 22.5 | 18.5               | 19.6 | 18.9 | 20.0 | 20.4 |
|           | 4H   | 21.3                 | 22.3 | 21.8 | 22.7 | 23.1 | 19.0               | 19.9 | 19.4 | 20.4 | 20.8 |
|           | 6H   | 21.8                 | 22.7 | 22.3 | 23.1 | 23.6 | 19.2               | 20.1 | 19.7 | 20.5 | 21.0 |
|           | 8H   | 21.9                 | 22.7 | 22.4 | 23.2 | 23.6 | 19.2               | 20.0 | 19.7 | 20.5 | 20.9 |
|           | 12H  | 22.0                 | 22.7 | 22.5 | 23.2 | 23.7 | 19.2               | 19.9 | 19.7 | 20.4 | 20.9 |
| 8H        | 4H   | 21.4                 | 22.2 | 21.9 | 22.6 | 23.1 | 19.3               | 20.1 | 19.7 | 20.5 | 21.0 |
|           | 6H   | 22.0                 | 22.6 | 22.5 | 23.1 | 23.6 | 19.6               | 20.2 | 20.1 | 20.7 | 21.2 |
|           | 8H   | 22.2                 | 22.7 | 22.7 | 23.3 | 23.7 | 19.6               | 20.2 | 20.1 | 20.7 | 21.2 |
|           | 12H  | 22.3                 | 22.8 | 22.8 | 23.3 | 23.9 | 19.6               | 20.1 | 20.1 | 20.6 | 21.2 |
| 12H       | 4H   | 21.4                 | 22.1 | 21.9 | 22.6 | 23.0 | 19.3               | 20.0 | 19.8 | 20.5 | 20.9 |
|           | 6H   | 22.0                 | 22.6 | 22.5 | 23.0 | 23.6 | 19.6               | 20.2 | 20.2 | 20.7 | 21.2 |
|           | 8H   | 22.2                 | 22.7 | 22.7 | 23.2 | 23.7 | 19.7               | 20.2 | 20.2 | 20.7 | 21.2 |

Maximum UGR = 23.9

POLAR GRAPH



Maximum Candela = 1660.337 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.)