

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-8-L60-935-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 4792061012.01
[TESTLAB] UL, LLC
[ISSUE DATE] 2025-12-23
[TEST DATE] 12/12/2025
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] 75W-8-L60-935-DIM-UNV
[LUMINAIRE] 75W WIDE LENS LED STRIP LUMINAIRE
[LAMP] LED
[BALLAST] 0-10V DIMMING DRIVER

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 4582 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 130 |
| Total Luminaire Watts | 35.3 |
| Ballast Factor | 1.00 |
| CIE Type | Semi-Direct |
| Spacing Criterion (0-180) | 1.20 |
| Spacing Criterion (90-270) | 1.22 |
| Spacing Criterion (Diagonal) | 1.30 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 7.44 ft |
| Luminous Width (90-270) | 0.33 ft |
| Luminous Height | 0.08 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 5068 | 4520 | 4445 |
| 55 | 4409 | 3878 | 3903 |
| 65 | 3734 | 3332 | 3478 |
| 75 | 3044 | 2926 | 3251 |
| 85 | 2390 | 2911 | 3435 |

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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 | 1482.820 | 1482.820 | 1482.820 | 1482.820 | 1482.820 |
| 0.5 | 1475.788 | 1481.414 | 1482.351 | 1481.882 | 1491.727 |
| 1.0 | 1475.788 | 1481.882 | 1481.882 | 1481.414 | 1491.259 |
| 1.5 | 1474.382 | 1481.882 | 1481.414 | 1480.945 | 1491.727 |
| 2.0 | 1473.913 | 1480.476 | 1481.414 | 1480.476 | 1490.321 |
| 2.5 | 1473.913 | 1480.476 | 1480.007 | 1480.007 | 1489.383 |
| 3.0 | 1472.506 | 1479.070 | 1479.070 | 1479.070 | 1488.446 |
| 3.5 | 1471.569 | 1477.663 | 1477.663 | 1478.132 | 1487.508 |
| 4.0 | 1470.631 | 1476.726 | 1476.726 | 1476.257 | 1486.570 |
| 4.5 | 1468.287 | 1475.319 | 1475.788 | 1475.319 | 1485.164 |
| 5.0 | 1466.881 | 1473.913 | 1473.913 | 1473.913 | 1483.758 |
| 5.5 | 1465.006 | 1472.038 | 1472.038 | 1472.506 | 1481.882 |
| 6.0 | 1464.068 | 1469.694 | 1470.162 | 1470.162 | 1480.007 |
| 6.5 | 1460.786 | 1467.818 | 1468.287 | 1468.287 | 1477.663 |
| 7.0 | 1458.911 | 1465.474 | 1465.943 | 1465.474 | 1475.788 |
| 7.5 | 1457.036 | 1462.662 | 1463.599 | 1463.599 | 1473.444 |
| 8.0 | 1454.692 | 1460.786 | 1460.786 | 1460.786 | 1470.162 |
| 8.5 | 1452.348 | 1457.505 | 1458.442 | 1458.442 | 1467.350 |
| 9.0 | 1448.598 | 1455.161 | 1455.630 | 1455.161 | 1464.068 |
| 9.5 | 1446.254 | 1451.879 | 1451.879 | 1451.879 | 1462.193 |
| 10.0 | 1442.503 | 1448.129 | 1448.129 | 1449.066 | 1458.442 |
| 10.5 | 1439.222 | 1444.847 | 1445.316 | 1445.316 | 1455.161 |
| 11.0 | 1435.940 | 1441.566 | 1442.034 | 1441.566 | 1451.410 |
| 11.5 | 1431.721 | 1437.815 | 1438.753 | 1437.815 | 1448.129 |
| 12.0 | 1427.970 | 1433.596 | 1434.533 | 1434.533 | 1443.910 |
| 12.5 | 1424.220 | 1429.377 | 1430.783 | 1429.845 | 1440.159 |
| 13.0 | 1420.001 | 1425.626 | 1426.564 | 1426.095 | 1435.940 |
| 13.5 | 1415.781 | 1420.938 | 1421.876 | 1421.876 | 1432.189 |
| 14.0 | 1410.625 | 1416.250 | 1417.188 | 1417.188 | 1427.033 |
| 14.5 | 1406.405 | 1411.562 | 1412.500 | 1412.500 | 1423.282 |
| 15.0 | 1402.186 | 1406.874 | 1407.343 | 1407.343 | 1417.657 |
| 15.5 | 1397.029 | 1401.249 | 1402.655 | 1402.655 | 1412.031 |
| 16.0 | 1391.404 | 1396.092 | 1397.498 | 1397.498 | 1407.343 |
| 16.5 | 1386.716 | 1390.466 | 1391.873 | 1392.341 | 1402.186 |
| 17.0 | 1380.152 | 1384.372 | 1386.247 | 1386.716 | 1396.561 |
| 17.5 | 1374.527 | 1378.746 | 1380.621 | 1381.090 | 1390.935 |
| 18.0 | 1369.370 | 1373.120 | 1374.527 | 1375.933 | 1385.778 |
| 18.5 | 1363.276 | 1367.495 | 1368.901 | 1369.839 | 1379.684 |
| 19.0 | 1357.181 | 1360.463 | 1362.807 | 1363.744 | 1373.120 |
| 19.5 | 1350.149 | 1354.837 | 1356.712 | 1358.588 | 1367.026 |
| 20.0 | 1342.648 | 1347.805 | 1350.149 | 1351.556 | 1360.463 |
| 20.5 | 1335.148 | 1341.711 | 1343.586 | 1345.461 | 1354.368 |
| 21.0 | 1329.053 | 1334.210 | 1335.616 | 1339.367 | 1347.805 |
| 21.5 | 1322.021 | 1327.178 | 1329.522 | 1331.397 | 1340.773 |
| 22.0 | 1314.520 | 1320.615 | 1322.959 | 1324.834 | 1334.679 |
| 22.5 | 1307.957 | 1312.176 | 1315.458 | 1318.271 | 1327.647 |
| 23.0 | 1299.987 | 1304.675 | 1307.957 | 1310.770 | 1320.146 |
| 23.5 | 1291.549 | 1296.706 | 1300.925 | 1303.738 | 1313.114 |
| 24.0 | 1283.111 | 1288.736 | 1292.955 | 1296.237 | 1305.613 |
| 24.5 | 1276.078 | 1280.767 | 1285.455 | 1288.267 | 1297.175 |
| 25.0 | 1268.109 | 1272.797 | 1277.954 | 1280.767 | 1289.674 |
| 25.5 | 1259.202 | 1264.827 | 1269.046 | 1273.266 | 1280.767 |
| 26.0 | 1250.763 | 1255.920 | 1261.546 | 1265.296 | 1273.734 |
| 26.5 | 1241.856 | 1247.013 | 1253.576 | 1256.858 | 1265.765 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 27.0 | 1232.949 | 1237.637 | 1245.606 | 1249.826 | 1257.795 |
| 27.5 | 1222.635 | 1228.730 | 1236.699 | 1240.450 | 1249.826 |
| 28.0 | 1215.134 | 1219.822 | 1227.792 | 1232.011 | 1240.918 |
| 28.5 | 1205.289 | 1210.915 | 1218.885 | 1223.104 | 1232.011 |
| 29.0 | 1195.913 | 1201.539 | 1209.509 | 1214.665 | 1223.573 |
| 29.5 | 1186.069 | 1191.694 | 1200.133 | 1205.289 | 1214.197 |
| 30.0 | 1176.224 | 1182.318 | 1190.757 | 1197.320 | 1206.227 |
| 30.5 | 1165.910 | 1172.004 | 1181.849 | 1188.413 | 1196.851 |
| 31.0 | 1156.065 | 1162.160 | 1172.004 | 1179.037 | 1187.006 |
| 31.5 | 1145.752 | 1152.784 | 1162.628 | 1170.129 | 1178.568 |
| 32.0 | 1135.907 | 1142.001 | 1153.252 | 1160.284 | 1168.723 |
| 32.5 | 1125.124 | 1131.688 | 1143.408 | 1150.908 | 1159.347 |
| 33.0 | 1114.811 | 1121.843 | 1132.625 | 1141.532 | 1149.971 |
| 33.5 | 1104.966 | 1111.529 | 1123.249 | 1131.219 | 1140.126 |
| 34.0 | 1093.246 | 1100.747 | 1112.935 | 1121.843 | 1131.219 |
| 34.5 | 1082.463 | 1090.433 | 1103.091 | 1111.529 | 1120.905 |
| 35.0 | 1072.619 | 1079.182 | 1093.246 | 1102.153 | 1111.060 |
| 35.5 | 1059.961 | 1068.868 | 1082.463 | 1091.839 | 1100.747 |
| 36.0 | 1050.116 | 1057.617 | 1072.150 | 1081.526 | 1090.902 |
| 36.5 | 1037.927 | 1046.366 | 1061.367 | 1071.681 | 1081.526 |
| 37.0 | 1026.676 | 1035.583 | 1050.585 | 1060.898 | 1071.681 |
| 37.5 | 1014.956 | 1023.863 | 1040.271 | 1051.522 | 1060.898 |
| 38.0 | 1003.236 | 1012.612 | 1029.020 | 1040.740 | 1049.647 |
| 38.5 | 991.047 | 1000.892 | 1018.238 | 1030.895 | 1039.334 |
| 39.0 | 980.265 | 989.172 | 1006.986 | 1020.113 | 1030.895 |
| 39.5 | 968.076 | 978.389 | 996.204 | 1009.330 | 1019.644 |
| 40.0 | 954.949 | 966.201 | 984.953 | 999.485 | 1008.861 |
| 40.5 | 942.760 | 954.480 | 974.170 | 989.172 | 998.548 |
| 41.0 | 931.509 | 942.760 | 962.919 | 978.389 | 987.765 |
| 41.5 | 919.320 | 931.040 | 951.668 | 967.607 | 977.452 |
| 42.0 | 907.131 | 919.320 | 940.416 | 957.293 | 967.138 |
| 42.5 | 895.411 | 907.131 | 928.696 | 946.511 | 956.356 |
| 43.0 | 882.285 | 895.411 | 917.914 | 936.197 | 946.042 |
| 43.5 | 871.034 | 883.223 | 906.194 | 925.415 | 935.728 |
| 44.0 | 858.376 | 871.034 | 894.474 | 915.101 | 924.946 |
| 44.5 | 846.656 | 859.314 | 882.754 | 903.850 | 914.164 |
| 45.0 | 834.467 | 847.125 | 871.503 | 894.005 | 904.319 |
| 45.5 | 822.278 | 835.405 | 860.251 | 883.691 | 894.005 |
| 46.0 | 810.090 | 823.216 | 848.062 | 872.440 | 883.223 |
| 46.5 | 797.901 | 811.027 | 837.749 | 863.064 | 872.909 |
| 47.0 | 785.243 | 799.307 | 826.029 | 851.813 | 862.595 |
| 47.5 | 773.054 | 787.118 | 814.309 | 841.030 | 851.813 |
| 48.0 | 761.334 | 774.929 | 802.589 | 831.186 | 841.030 |
| 48.5 | 748.208 | 763.209 | 791.806 | 819.934 | 830.717 |
| 49.0 | 736.488 | 750.552 | 779.617 | 809.152 | 819.934 |
| 49.5 | 724.299 | 738.832 | 768.366 | 798.838 | 809.621 |
| 50.0 | 711.641 | 726.643 | 757.115 | 787.587 | 798.838 |
| 50.5 | 699.921 | 714.923 | 745.395 | 778.211 | 788.993 |
| 51.0 | 687.732 | 702.734 | 735.081 | 767.429 | 778.680 |
| 51.5 | 676.012 | 690.545 | 723.361 | 757.115 | 768.366 |
| 52.0 | 663.355 | 678.825 | 712.110 | 746.332 | 758.053 |
| 52.5 | 651.166 | 666.636 | 701.327 | 735.550 | 748.208 |
| 53.0 | 638.508 | 654.916 | 690.076 | 726.174 | 737.425 |
| 53.5 | 626.319 | 643.196 | 679.294 | 715.392 | 727.580 |
| 54.0 | 614.599 | 631.476 | 668.511 | 705.078 | 717.736 |
| 54.5 | 603.348 | 619.287 | 657.729 | 695.702 | 707.891 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|---------|---------|---------|---------|---------|
| 55.0 | 591.628 | 608.036 | 646.946 | 684.919 | 698.983 |
| 55.5 | 581.783 | 596.316 | 636.164 | 675.075 | 688.201 |
| 56.0 | 570.532 | 586.002 | 625.850 | 665.230 | 678.356 |
| 56.5 | 558.812 | 575.220 | 615.068 | 655.385 | 668.980 |
| 57.0 | 547.560 | 564.437 | 604.754 | 645.540 | 659.135 |
| 57.5 | 535.840 | 553.186 | 595.847 | 636.164 | 648.353 |
| 58.0 | 524.120 | 541.935 | 585.533 | 625.850 | 640.383 |
| 58.5 | 512.869 | 530.684 | 575.220 | 616.943 | 631.007 |
| 59.0 | 501.618 | 519.432 | 565.375 | 608.974 | 621.162 |
| 59.5 | 490.367 | 508.650 | 556.468 | 599.129 | 613.662 |
| 60.0 | 479.115 | 497.399 | 546.623 | 589.753 | 604.286 |
| 60.5 | 468.099 | 486.616 | 536.778 | 580.845 | 594.909 |
| 61.0 | 457.035 | 475.834 | 526.933 | 571.938 | 586.002 |
| 61.5 | 446.065 | 465.145 | 517.088 | 563.031 | 577.564 |
| 62.0 | 435.282 | 454.550 | 507.712 | 554.593 | 568.657 |
| 62.5 | 424.641 | 444.049 | 497.868 | 546.154 | 560.218 |
| 63.0 | 413.858 | 433.595 | 488.491 | 537.247 | 552.717 |
| 63.5 | 403.170 | 423.281 | 479.584 | 528.808 | 544.279 |
| 64.0 | 392.762 | 413.108 | 470.208 | 519.901 | 535.840 |
| 64.5 | 382.402 | 403.170 | 461.301 | 511.463 | 527.402 |
| 65.0 | 372.135 | 393.184 | 452.347 | 503.024 | 519.432 |
| 65.5 | 362.009 | 383.433 | 443.486 | 494.586 | 510.994 |
| 66.0 | 351.742 | 373.682 | 434.720 | 486.147 | 503.024 |
| 66.5 | 341.710 | 364.165 | 426.000 | 478.178 | 495.055 |
| 67.0 | 331.912 | 354.742 | 417.327 | 469.739 | 487.085 |
| 67.5 | 322.067 | 345.460 | 408.842 | 461.864 | 479.115 |
| 68.0 | 312.363 | 336.412 | 400.404 | 453.894 | 471.615 |
| 68.5 | 302.799 | 327.411 | 392.153 | 446.159 | 463.786 |
| 69.0 | 293.282 | 318.504 | 383.996 | 438.377 | 456.379 |
| 69.5 | 283.906 | 309.784 | 375.932 | 430.829 | 449.018 |
| 70.0 | 274.577 | 301.205 | 368.009 | 423.422 | 441.705 |
| 70.5 | 265.482 | 292.720 | 360.087 | 416.015 | 434.486 |
| 71.0 | 256.481 | 284.328 | 352.305 | 408.701 | 427.360 |
| 71.5 | 247.574 | 276.124 | 344.710 | 401.576 | 420.328 |
| 72.0 | 238.855 | 267.873 | 337.115 | 394.497 | 413.483 |
| 72.5 | 230.088 | 259.904 | 329.708 | 387.558 | 406.686 |
| 73.0 | 221.556 | 251.981 | 322.348 | 380.714 | 399.841 |
| 73.5 | 213.258 | 244.152 | 315.222 | 373.916 | 393.184 |
| 74.0 | 205.054 | 236.557 | 308.003 | 367.353 | 386.480 |
| 74.5 | 196.991 | 228.916 | 301.111 | 360.837 | 380.151 |
| 75.0 | 188.974 | 221.462 | 294.267 | 354.461 | 374.010 |
| 75.5 | 181.098 | 214.196 | 287.516 | 348.132 | 367.775 |
| 76.0 | 173.457 | 207.070 | 280.953 | 341.850 | 361.681 |
| 76.5 | 165.862 | 200.038 | 274.437 | 335.709 | 355.586 |
| 77.0 | 158.361 | 193.053 | 268.014 | 329.615 | 349.679 |
| 77.5 | 151.001 | 186.255 | 261.685 | 323.708 | 343.819 |
| 78.0 | 143.735 | 179.598 | 255.544 | 317.894 | 338.053 |
| 78.5 | 136.609 | 173.035 | 249.449 | 312.034 | 332.334 |
| 79.0 | 129.624 | 166.659 | 243.543 | 306.362 | 326.708 |
| 79.5 | 122.685 | 160.330 | 237.729 | 300.830 | 321.082 |
| 80.0 | 115.841 | 154.095 | 231.916 | 295.345 | 315.738 |
| 80.5 | 109.184 | 148.048 | 226.291 | 289.813 | 310.300 |
| 81.0 | 102.714 | 142.094 | 220.899 | 284.469 | 305.002 |
| 81.5 | 96.151 | 136.281 | 215.508 | 279.171 | 299.705 |
| 82.0 | 89.822 | 130.608 | 210.258 | 274.062 | 294.595 |
| 82.5 | 83.634 | 125.029 | 205.101 | 268.952 | 289.579 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|---------|---------|---------|---------|
| 83.0 | 77.540 | 119.591 | 200.038 | 264.029 | 284.703 |
| 83.5 | 71.492 | 114.294 | 195.209 | 259.013 | 279.640 |
| 84.0 | 65.585 | 109.137 | 190.521 | 254.278 | 274.812 |
| 84.5 | 59.725 | 104.168 | 185.927 | 249.590 | 270.077 |
| 85.0 | 54.100 | 99.339 | 181.426 | 244.949 | 265.342 |
| 85.5 | 48.474 | 94.745 | 177.020 | 240.448 | 260.748 |
| 86.0 | 42.942 | 90.338 | 172.707 | 236.042 | 256.200 |
| 86.5 | 37.457 | 86.213 | 168.628 | 231.635 | 251.653 |
| 87.0 | 32.066 | 82.228 | 164.503 | 227.463 | 247.199 |
| 87.5 | 26.675 | 78.524 | 160.611 | 223.243 | 242.933 |
| 88.0 | 21.330 | 74.915 | 156.767 | 219.165 | 238.620 |
| 88.5 | 15.939 | 71.539 | 153.064 | 215.133 | 234.448 |
| 89.0 | 11.017 | 68.351 | 149.548 | 211.242 | 230.322 |
| 89.5 | 6.985 | 65.398 | 146.126 | 207.492 | 226.291 |
| 90.0 | 4.172 | 62.773 | 142.985 | 203.929 | 222.587 |
| 90.5 | 2.953 | 60.475 | 140.078 | 200.366 | 218.649 |
| 91.0 | 3.141 | 58.366 | 137.125 | 196.756 | 214.899 |
| 91.5 | 3.750 | 56.350 | 134.171 | 193.334 | 211.148 |
| 92.0 | 4.454 | 54.662 | 131.358 | 189.865 | 207.492 |
| 92.5 | 5.204 | 53.209 | 128.967 | 186.536 | 203.882 |
| 93.0 | 5.954 | 51.943 | 126.483 | 183.395 | 200.413 |
| 93.5 | 6.751 | 50.959 | 124.139 | 180.301 | 197.131 |
| 94.0 | 7.595 | 50.115 | 121.935 | 177.395 | 193.943 |
| 94.5 | 8.392 | 49.505 | 119.873 | 174.441 | 190.662 |
| 95.0 | 9.189 | 49.037 | 117.951 | 171.535 | 187.521 |
| 95.5 | 9.939 | 48.709 | 116.169 | 168.769 | 184.427 |
| 96.0 | 10.548 | 48.568 | 114.622 | 166.096 | 181.379 |
| 96.5 | 11.157 | 48.568 | 113.075 | 163.612 | 178.567 |
| 97.0 | 11.720 | 48.615 | 111.669 | 161.221 | 175.754 |
| 97.5 | 12.329 | 48.802 | 110.356 | 158.924 | 173.175 |
| 98.0 | 12.845 | 48.990 | 109.184 | 156.674 | 170.550 |
| 98.5 | 13.455 | 49.224 | 108.199 | 154.517 | 168.112 |
| 99.0 | 14.064 | 49.505 | 107.168 | 152.501 | 165.721 |
| 99.5 | 14.720 | 49.834 | 106.277 | 150.579 | 163.377 |
| 100.0 | 15.283 | 50.162 | 105.574 | 148.798 | 161.268 |
| 100.5 | 15.939 | 50.537 | 104.871 | 147.063 | 159.111 |
| 101.0 | 16.502 | 50.912 | 104.355 | 145.422 | 157.189 |
| 101.5 | 17.064 | 51.287 | 103.840 | 143.875 | 155.220 |
| 102.0 | 17.580 | 51.662 | 103.465 | 142.422 | 153.486 |
| 102.5 | 18.096 | 52.037 | 103.090 | 141.062 | 151.751 |
| 103.0 | 18.611 | 52.459 | 102.808 | 139.703 | 150.204 |
| 103.5 | 19.174 | 52.881 | 102.574 | 138.531 | 148.610 |
| 104.0 | 19.783 | 53.256 | 102.339 | 137.453 | 147.157 |
| 104.5 | 20.393 | 53.678 | 102.199 | 136.421 | 145.797 |
| 105.0 | 20.955 | 54.100 | 102.058 | 135.484 | 144.485 |
| 105.5 | 21.471 | 54.475 | 101.918 | 134.499 | 143.360 |
| 106.0 | 22.081 | 54.944 | 101.871 | 133.655 | 142.234 |
| 106.5 | 22.643 | 55.365 | 101.871 | 132.858 | 141.109 |
| 107.0 | 23.206 | 55.834 | 101.871 | 132.108 | 140.172 |
| 107.5 | 23.721 | 56.209 | 101.871 | 131.546 | 139.187 |
| 108.0 | 24.378 | 56.678 | 101.871 | 130.889 | 138.203 |
| 108.5 | 24.987 | 57.147 | 101.918 | 130.421 | 137.546 |
| 109.0 | 25.597 | 57.522 | 102.011 | 129.811 | 136.890 |
| 109.5 | 26.253 | 57.944 | 102.058 | 129.389 | 136.187 |
| 110.0 | 26.909 | 58.366 | 102.152 | 128.920 | 135.624 |
| 110.5 | 27.566 | 58.788 | 102.246 | 128.499 | 135.109 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|--------|---------|---------|---------|
| 111.0 | 28.222 | 59.210 | 102.293 | 128.124 | 134.546 |
| 111.5 | 28.878 | 59.585 | 102.339 | 127.842 | 134.077 |
| 112.0 | 29.581 | 60.007 | 102.433 | 127.561 | 133.515 |
| 112.5 | 30.285 | 60.429 | 102.527 | 127.233 | 132.999 |
| 113.0 | 31.035 | 60.850 | 102.668 | 126.998 | 132.765 |
| 113.5 | 31.738 | 61.226 | 102.668 | 126.764 | 132.437 |
| 114.0 | 32.488 | 61.601 | 102.761 | 126.576 | 132.108 |
| 114.5 | 33.191 | 62.022 | 102.855 | 126.342 | 131.827 |
| 115.0 | 33.941 | 62.351 | 102.949 | 126.201 | 131.593 |
| 115.5 | 34.691 | 62.773 | 102.949 | 126.061 | 131.358 |
| 116.0 | 35.395 | 63.148 | 103.090 | 125.873 | 131.077 |
| 116.5 | 36.051 | 63.523 | 103.183 | 125.686 | 130.983 |
| 117.0 | 36.801 | 63.945 | 103.277 | 125.686 | 130.749 |
| 117.5 | 37.504 | 64.273 | 103.371 | 125.498 | 130.608 |
| 118.0 | 38.114 | 64.601 | 103.465 | 125.404 | 130.421 |
| 118.5 | 38.817 | 64.929 | 103.511 | 125.264 | 130.374 |
| 119.0 | 39.426 | 65.257 | 103.605 | 125.123 | 130.092 |
| 119.5 | 40.083 | 65.492 | 103.699 | 124.983 | 130.046 |
| 120.0 | 40.692 | 65.726 | 103.652 | 124.889 | 129.811 |
| 120.5 | 41.301 | 66.007 | 103.699 | 124.701 | 129.764 |
| 121.0 | 41.911 | 66.195 | 103.793 | 124.561 | 129.577 |
| 121.5 | 42.567 | 66.429 | 103.746 | 124.373 | 129.483 |
| 122.0 | 43.177 | 66.710 | 103.746 | 124.279 | 129.342 |
| 122.5 | 43.786 | 66.992 | 103.793 | 124.092 | 129.014 |
| 123.0 | 44.396 | 67.273 | 103.746 | 123.904 | 128.967 |
| 123.5 | 44.958 | 67.507 | 103.652 | 123.764 | 128.686 |
| 124.0 | 45.427 | 67.695 | 103.652 | 123.623 | 128.639 |
| 124.5 | 45.896 | 67.883 | 103.652 | 123.389 | 128.452 |
| 125.0 | 46.364 | 68.117 | 103.558 | 123.154 | 128.264 |
| 125.5 | 46.833 | 68.258 | 103.465 | 123.014 | 128.030 |
| 126.0 | 47.255 | 68.445 | 103.418 | 122.732 | 127.842 |
| 126.5 | 47.630 | 68.679 | 103.324 | 122.545 | 127.702 |
| 127.0 | 48.052 | 68.773 | 103.230 | 122.310 | 127.514 |
| 127.5 | 48.380 | 68.914 | 103.090 | 122.076 | 127.186 |
| 128.0 | 48.802 | 68.914 | 103.043 | 121.795 | 126.998 |
| 128.5 | 49.130 | 69.008 | 102.855 | 121.560 | 126.811 |
| 129.0 | 49.459 | 69.101 | 102.668 | 121.326 | 126.576 |
| 129.5 | 49.740 | 69.242 | 102.339 | 120.951 | 126.295 |
| 130.0 | 49.974 | 69.336 | 102.011 | 120.716 | 126.014 |
| 130.5 | 50.209 | 69.430 | 101.636 | 120.435 | 125.686 |
| 131.0 | 50.349 | 69.570 | 101.261 | 120.013 | 125.358 |
| 131.5 | 50.537 | 69.711 | 100.886 | 119.638 | 125.029 |
| 132.0 | 50.724 | 69.851 | 100.464 | 119.404 | 124.748 |
| 132.5 | 50.818 | 69.898 | 99.995 | 118.935 | 124.326 |
| 133.0 | 50.959 | 69.945 | 99.808 | 118.513 | 123.811 |
| 133.5 | 51.006 | 69.898 | 99.527 | 118.185 | 123.576 |
| 134.0 | 51.053 | 69.805 | 99.339 | 117.810 | 123.248 |
| 134.5 | 51.193 | 69.617 | 99.105 | 117.388 | 122.639 |
| 135.0 | 51.334 | 69.476 | 98.823 | 116.825 | 122.170 |
| 135.5 | 51.287 | 69.101 | 98.589 | 116.450 | 121.795 |
| 136.0 | 51.381 | 69.055 | 98.261 | 115.982 | 121.326 |
| 136.5 | 51.474 | 68.914 | 98.026 | 115.466 | 120.857 |
| 137.0 | 51.521 | 68.679 | 97.651 | 115.044 | 120.341 |
| 137.5 | 51.568 | 68.445 | 97.323 | 114.481 | 119.873 |
| 138.0 | 51.662 | 68.304 | 96.854 | 114.013 | 119.310 |
| 138.5 | 51.662 | 68.117 | 96.245 | 113.497 | 118.888 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L60-935-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|--------|--------|---------|---------|
| 139.0 | 51.615 | 67.976 | 95.542 | 112.887 | 118.232 |
| 139.5 | 51.615 | 67.789 | 94.698 | 112.231 | 117.763 |
| 140.0 | 51.615 | 67.554 | 93.760 | 111.622 | 117.107 |
| 140.5 | 51.615 | 67.414 | 92.917 | 110.872 | 116.403 |
| 141.0 | 51.615 | 67.320 | 91.979 | 110.075 | 115.841 |
| 141.5 | 51.615 | 67.132 | 91.041 | 109.371 | 115.278 |
| 142.0 | 51.568 | 67.039 | 90.151 | 108.481 | 114.669 |
| 142.5 | 51.521 | 66.898 | 89.213 | 107.684 | 113.966 |
| 143.0 | 51.474 | 66.757 | 88.322 | 106.934 | 113.263 |
| 143.5 | 51.474 | 66.570 | 87.291 | 106.137 | 112.606 |
| 144.0 | 51.474 | 66.335 | 86.400 | 105.527 | 111.856 |
| 144.5 | 51.615 | 66.148 | 85.509 | 104.824 | 111.200 |
| 145.0 | 51.803 | 65.960 | 84.525 | 104.215 | 110.450 |
| 145.5 | 52.131 | 65.726 | 83.634 | 103.605 | 109.700 |
| 146.0 | 52.553 | 65.538 | 82.790 | 102.949 | 108.996 |
| 146.5 | 52.975 | 65.351 | 82.087 | 102.246 | 108.199 |
| 147.0 | 53.397 | 65.117 | 81.290 | 101.542 | 107.402 |
| 147.5 | 53.772 | 65.023 | 80.681 | 100.839 | 106.606 |
| 148.0 | 54.193 | 64.835 | 80.024 | 100.042 | 105.762 |
| 148.5 | 54.569 | 64.788 | 79.509 | 99.292 | 104.918 |
| 149.0 | 55.037 | 64.788 | 78.946 | 98.542 | 104.168 |
| 149.5 | 55.365 | 64.929 | 78.431 | 97.745 | 103.230 |
| 150.0 | 55.741 | 65.023 | 77.915 | 96.995 | 102.246 |
| 150.5 | 56.069 | 65.070 | 77.352 | 96.151 | 101.214 |
| 151.0 | 56.303 | 65.210 | 76.602 | 95.307 | 99.995 |
| 151.5 | 56.537 | 65.257 | 75.805 | 94.417 | 98.870 |
| 152.0 | 56.819 | 65.351 | 75.055 | 93.479 | 97.745 |
| 152.5 | 57.100 | 65.445 | 74.352 | 92.495 | 96.526 |
| 153.0 | 57.288 | 65.492 | 73.602 | 91.369 | 95.542 |
| 153.5 | 57.522 | 65.632 | 72.805 | 90.197 | 94.417 |
| 154.0 | 57.710 | 65.585 | 72.102 | 88.885 | 93.479 |
| 154.5 | 57.944 | 65.632 | 71.492 | 87.619 | 92.541 |
| 155.0 | 58.038 | 65.726 | 70.883 | 86.166 | 91.838 |
| 155.5 | 58.225 | 65.773 | 70.273 | 84.806 | 91.088 |
| 156.0 | 58.366 | 65.773 | 69.851 | 83.353 | 90.432 |
| 156.5 | 58.600 | 65.773 | 69.430 | 81.900 | 89.588 |
| 157.0 | 58.694 | 65.867 | 69.008 | 80.587 | 88.791 |
| 157.5 | 58.835 | 65.867 | 68.726 | 79.321 | 87.900 |
| 158.0 | 59.022 | 65.820 | 68.586 | 78.009 | 87.056 |
| 158.5 | 59.069 | 65.820 | 68.398 | 76.930 | 86.072 |
| 159.0 | 59.303 | 65.679 | 68.258 | 75.899 | 85.228 |
| 159.5 | 59.491 | 65.585 | 68.023 | 74.915 | 84.291 |
| 160.0 | 59.725 | 65.492 | 67.789 | 74.118 | 83.353 |
| 160.5 | 60.007 | 65.445 | 67.601 | 73.367 | 82.462 |
| 161.0 | 60.194 | 65.304 | 67.554 | 72.571 | 81.572 |
| 161.5 | 60.475 | 65.257 | 67.461 | 71.774 | 80.915 |
| 162.0 | 60.710 | 65.163 | 67.601 | 71.117 | 80.353 |
| 162.5 | 60.944 | 65.163 | 67.695 | 70.414 | 79.696 |
| 163.0 | 61.226 | 65.117 | 67.742 | 69.664 | 79.134 |
| 163.5 | 61.460 | 65.117 | 67.836 | 68.867 | 78.431 |
| 164.0 | 61.554 | 65.117 | 67.929 | 67.883 | 77.774 |
| 164.5 | 61.694 | 65.023 | 67.836 | 67.132 | 76.930 |
| 165.0 | 61.835 | 65.023 | 67.695 | 66.382 | 76.087 |
| 165.5 | 61.976 | 64.976 | 67.554 | 65.867 | 75.196 |
| 166.0 | 62.116 | 64.929 | 67.461 | 65.304 | 73.836 |
| 166.5 | 62.257 | 64.929 | 67.320 | 64.835 | 73.180 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L60-935-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|--------|--------|--------|--------|
| 167.0 | 62.444 | 64.929 | 67.179 | 64.413 | 72.664 |
| 167.5 | 62.538 | 64.929 | 66.898 | 64.038 | 72.149 |
| 168.0 | 62.679 | 64.929 | 66.664 | 63.663 | 71.727 |
| 168.5 | 62.960 | 64.742 | 66.335 | 63.335 | 71.211 |
| 169.0 | 63.101 | 64.788 | 66.101 | 63.007 | 70.695 |
| 169.5 | 63.335 | 64.648 | 65.726 | 62.632 | 70.133 |
| 170.0 | 63.429 | 64.601 | 65.398 | 62.163 | 69.617 |
| 170.5 | 63.570 | 64.507 | 64.976 | 61.647 | 69.055 |
| 171.0 | 63.663 | 64.413 | 64.507 | 61.085 | 68.351 |
| 171.5 | 63.804 | 64.413 | 64.085 | 60.569 | 67.789 |
| 172.0 | 64.038 | 64.320 | 63.851 | 60.054 | 66.945 |
| 172.5 | 64.179 | 64.320 | 63.570 | 59.491 | 66.007 |
| 173.0 | 64.366 | 64.226 | 63.335 | 58.975 | 64.413 |
| 173.5 | 64.601 | 64.273 | 63.241 | 58.460 | 62.022 |
| 174.0 | 64.788 | 64.273 | 63.194 | 58.038 | 59.069 |
| 174.5 | 64.929 | 64.273 | 63.101 | 57.616 | 55.553 |
| 175.0 | 65.210 | 64.413 | 63.054 | 57.288 | 51.568 |
| 175.5 | 65.304 | 64.460 | 63.007 | 57.147 | 47.396 |
| 176.0 | 65.492 | 64.554 | 63.007 | 57.006 | 44.677 |
| 176.5 | 65.538 | 64.601 | 62.960 | 57.006 | 42.755 |
| 177.0 | 65.726 | 64.695 | 62.866 | 56.866 | 40.786 |
| 177.5 | 65.773 | 64.695 | 62.726 | 56.819 | 40.364 |
| 178.0 | 65.960 | 64.788 | 62.679 | 56.772 | 40.458 |
| 178.5 | 66.054 | 64.835 | 62.726 | 56.678 | 40.551 |
| 179.0 | 66.148 | 64.835 | 62.679 | 56.537 | 40.598 |
| 179.5 | 66.242 | 64.835 | 62.632 | 56.491 | 40.645 |
| 180.0 | 59.397 | 59.397 | 59.397 | 59.397 | 59.397 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L60-935-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 536.72 | N.A. | 11.70 |
| 0-30 | 1124.61 | N.A. | 24.50 |
| 0-40 | 1806.53 | N.A. | 39.40 |
| 0-60 | 3057.31 | N.A. | 66.70 |
| 0-80 | 3808.86 | N.A. | 83.10 |
| 0-90 | 3997.88 | N.A. | 87.30 |
| 10-90 | 3857.95 | N.A. | 84.20 |
| 20-40 | 1269.81 | N.A. | 27.70 |
| 20-50 | 1941.33 | N.A. | 42.40 |
| 40-70 | 1696.33 | N.A. | 37.00 |
| 60-80 | 751.55 | N.A. | 16.40 |
| 70-80 | 306.00 | N.A. | 6.70 |
| 80-90 | 189.01 | N.A. | 4.10 |
| 90-110 | 220.77 | N.A. | 4.80 |
| 90-120 | 313.71 | N.A. | 6.80 |
| 90-130 | 399.25 | N.A. | 8.70 |
| 90-150 | 524.14 | N.A. | 11.40 |
| 90-180 | 583.85 | N.A. | 12.70 |
| 110-180 | 363.08 | N.A. | 7.90 |
| 0-180 | 4581.72 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 139.92 |
| 10-20 | 396.79 |
| 20-30 | 587.89 |
| 30-40 | 681.92 |
| 40-50 | 671.52 |
| 50-60 | 579.26 |
| 60-70 | 445.55 |
| 70-80 | 306.00 |
| 80-90 | 189.01 |
| 90-100 | 121.10 |
| 100-110 | 99.67 |
| 110-120 | 92.94 |
| 120-130 | 85.54 |
| 130-140 | 71.88 |
| 140-150 | 53.01 |
| 150-160 | 34.66 |
| 160-170 | 19.10 |
| 170-180 | 5.95 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L60-935-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 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 104 | 104 | 104 | 97 | 97 | 97 | 90 | 90 | 90 | 87 |
| 1 | 105 | 100 | 95 | 91 | 101 | 96 | 92 | 89 | 90 | 86 | 83 | 84 | 81 | 79 | 78 | 76 | 74 | 71 |
| 2 | 95 | 87 | 80 | 74 | 92 | 84 | 78 | 72 | 78 | 73 | 69 | 73 | 69 | 65 | 68 | 65 | 62 | 59 |
| 3 | 87 | 76 | 68 | 62 | 83 | 74 | 66 | 60 | 69 | 63 | 58 | 65 | 60 | 55 | 61 | 56 | 53 | 50 |
| 4 | 80 | 68 | 59 | 52 | 76 | 66 | 58 | 51 | 62 | 55 | 49 | 58 | 52 | 47 | 54 | 49 | 45 | 43 |
| 5 | 73 | 61 | 52 | 45 | 70 | 59 | 51 | 44 | 55 | 48 | 43 | 52 | 46 | 41 | 49 | 44 | 40 | 37 |
| 6 | 68 | 55 | 46 | 40 | 65 | 53 | 45 | 39 | 50 | 43 | 38 | 47 | 41 | 36 | 44 | 39 | 35 | 33 |
| 7 | 63 | 50 | 41 | 35 | 60 | 48 | 40 | 34 | 46 | 38 | 33 | 43 | 37 | 32 | 41 | 35 | 31 | 29 |
| 8 | 59 | 45 | 37 | 31 | 56 | 44 | 36 | 31 | 42 | 35 | 30 | 40 | 33 | 29 | 37 | 32 | 28 | 26 |
| 9 | 55 | 42 | 34 | 28 | 53 | 41 | 33 | 28 | 38 | 32 | 27 | 36 | 30 | 26 | 35 | 29 | 25 | 23 |
| 10 | 51 | 38 | 31 | 25 | 49 | 37 | 30 | 25 | 36 | 29 | 24 | 34 | 28 | 24 | 32 | 27 | 23 | 21 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75W-8-L60-935-DIM-UNV_.IES

UGR TABLE - CORRECTED

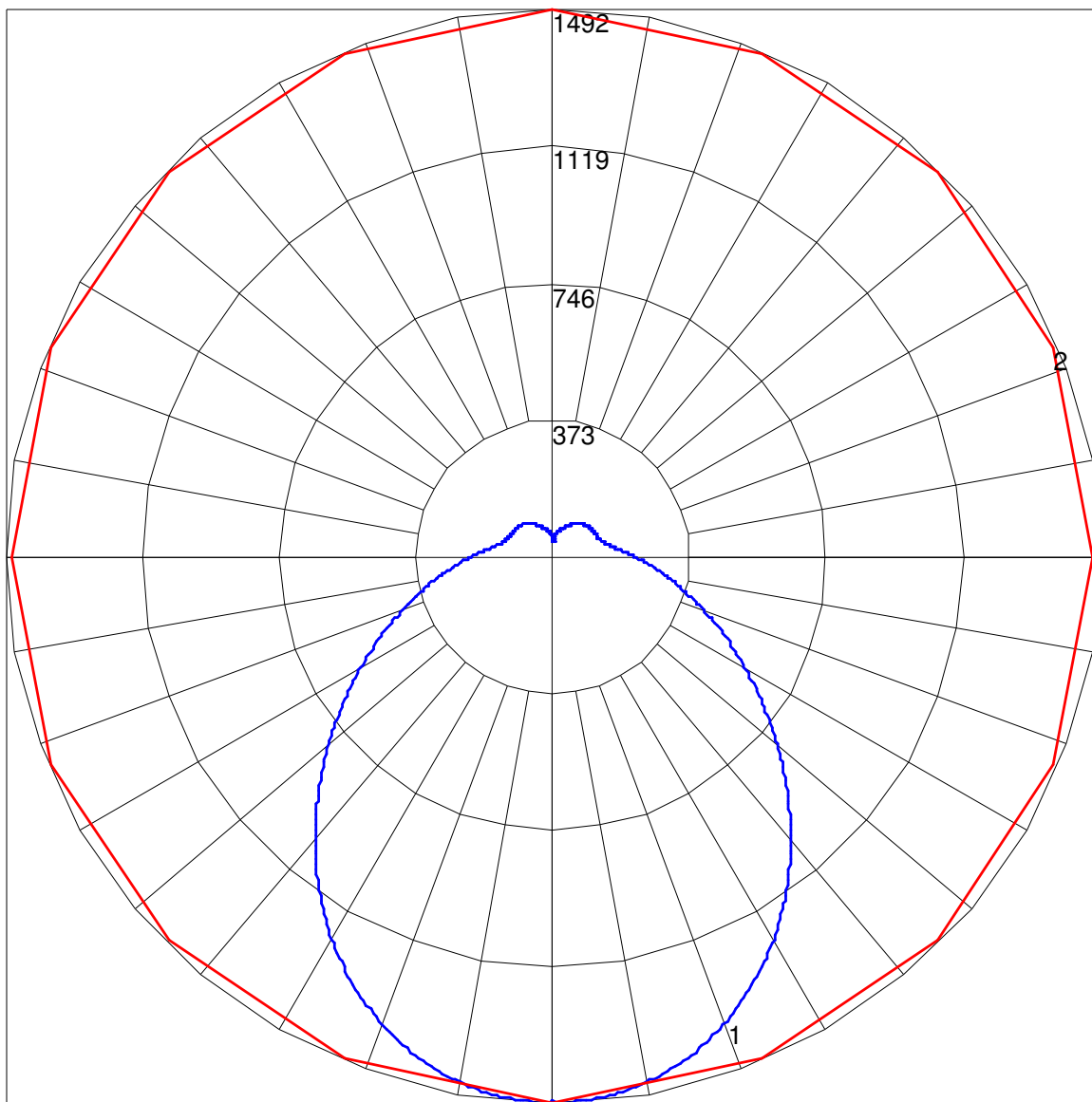
Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 14.7 | 16.1 | 15.2 | 16.6 | 17.2 | 16.4 | 17.8 | 17.0 | 18.3 | 18.9 |
| | 3H | 16.1 | 17.3 | 16.6 | 17.9 | 18.5 | 18.6 | 19.9 | 19.2 | 20.4 | 21.1 |
| | 4H | 16.5 | 17.7 | 17.1 | 18.2 | 18.9 | 19.7 | 20.9 | 20.3 | 21.4 | 22.1 |
| | 6H | 16.8 | 17.9 | 17.4 | 18.5 | 19.2 | 20.8 | 21.9 | 21.4 | 22.5 | 23.2 |
| | 8H | 16.9 | 17.9 | 17.5 | 18.5 | 19.2 | 21.5 | 22.5 | 22.1 | 23.1 | 23.8 |
| | 12H | 16.9 | 17.9 | 17.5 | 18.5 | 19.2 | 22.2 | 23.1 | 22.8 | 23.8 | 24.5 |
| 4H | 2H | 15.4 | 16.6 | 16.0 | 17.2 | 17.9 | 16.8 | 18.0 | 17.4 | 18.6 | 19.2 |
| | 3H | 17.0 | 18.0 | 17.6 | 18.7 | 19.3 | 19.3 | 20.2 | 19.9 | 20.9 | 21.6 |
| | 4H | 17.6 | 18.5 | 18.2 | 19.1 | 19.9 | 20.5 | 21.4 | 21.1 | 22.0 | 22.8 |
| | 6H | 18.0 | 18.8 | 18.7 | 19.5 | 20.2 | 21.9 | 22.6 | 22.5 | 23.3 | 24.0 |
| | 8H | 18.1 | 18.9 | 18.8 | 19.5 | 20.3 | 22.6 | 23.3 | 23.2 | 24.0 | 24.7 |
| | 12H | 18.2 | 18.9 | 18.9 | 19.6 | 20.3 | 23.4 | 24.1 | 24.1 | 24.8 | 25.5 |
| 8H | 4H | 18.2 | 18.9 | 18.8 | 19.6 | 20.3 | 20.7 | 21.4 | 21.4 | 22.1 | 22.9 |
| | 6H | 18.8 | 19.4 | 19.4 | 20.1 | 20.8 | 22.2 | 22.9 | 22.9 | 23.6 | 24.3 |
| | 8H | 19.0 | 19.5 | 19.7 | 20.2 | 21.0 | 23.1 | 23.7 | 23.8 | 24.4 | 25.1 |
| | 12H | 19.1 | 19.6 | 19.8 | 20.3 | 21.1 | 24.1 | 24.6 | 24.8 | 25.3 | 26.1 |
| 12H | 4H | 18.4 | 19.0 | 19.0 | 19.7 | 20.5 | 20.7 | 21.4 | 21.4 | 22.1 | 22.8 |
| | 6H | 19.0 | 19.6 | 19.7 | 20.3 | 21.1 | 22.3 | 22.8 | 23.0 | 23.5 | 24.3 |
| | 8H | 19.3 | 19.8 | 20.0 | 20.5 | 21.3 | 23.2 | 23.7 | 23.9 | 24.4 | 25.2 |

Maximum UGR = 26.1

POLAR GRAPH



Maximum Candela = 1491.727 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)