

IES INDOOR REPORT

PHOTOMETRIC FILENAME : RWG-4-L30-840-S-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 14794038.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 11 DEC 2023
[TEST DATE] 5/11/2023
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] RWG-4-L30-840-S-DIM-UNV
[LUMINAIRE] 48 INCH RECESSED LINEAR WALL WASH
[MORE] WITH SPECULAR REFL AND LENS OVER LEDS
[LAMP] LED
[BALLAST] 0-10V DIMMABLE LED DRIVER
[_SEARCH_SOURCE TYPE] LED
[_SEARCH_APPLICATION] INDOOR
[_SEARCH_MOUNTING] RECESSED

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 3050 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 113 |
| Total Luminaire Watts | 27 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 2.40 |
| Spacing Criterion (90-270) | 1.22 |
| Spacing Criterion (Diagonal) | 1.60 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 0.81 ft |
| Luminous Width (90-270) | 4.00 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 7435 | 6198 | 2146 |
| 55 | 8160 | 6153 | 1960 |
| 65 | 10285 | 6361 | 1756 |
| 75 | 6867 | 6624 | 1600 |
| 85 | 11665 | 6437 | 1507 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L30-840-S-DIM-UNV_.IES

CANDELA TABULATION

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> |
|------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| 0.0 | 789.122 | 789.122 | 789.122 | 789.122 | 789.122 | 789.122 | 789.122 | 789.122 | 789.122 |
| 0.5 | 779.753 | 802.094 | 807.859 | 810.021 | 803.535 | 792.725 | 776.871 | 762.458 | 736.514 |
| 1.0 | 801.373 | 822.272 | 823.714 | 818.669 | 803.535 | 784.077 | 761.737 | 743.000 | 715.759 |
| 1.5 | 823.714 | 843.892 | 841.009 | 828.038 | 803.535 | 776.150 | 746.603 | 723.542 | 695.580 |
| 2.0 | 847.495 | 865.512 | 857.585 | 836.685 | 804.256 | 768.223 | 732.190 | 704.444 | 675.762 |
| 2.5 | 870.556 | 886.411 | 874.160 | 845.333 | 804.976 | 760.296 | 717.416 | 685.347 | 656.304 |
| 3.0 | 894.338 | 909.472 | 891.456 | 854.702 | 804.976 | 752.368 | 702.931 | 666.898 | 636.991 |
| 3.5 | 918.841 | 931.812 | 908.031 | 863.350 | 804.976 | 744.441 | 688.302 | 648.882 | 618.758 |
| 4.0 | 943.343 | 954.874 | 926.047 | 872.718 | 804.976 | 735.793 | 674.033 | 630.649 | 600.165 |
| 4.5 | 968.566 | 977.935 | 943.343 | 881.366 | 804.256 | 727.145 | 660.340 | 613.281 | 582.149 |
| 5.0 | 994.510 | 1001.716 | 961.360 | 890.014 | 804.256 | 719.002 | 646.648 | 596.346 | 565.141 |
| 5.5 | 1019.733 | 1026.219 | 979.376 | 898.662 | 802.814 | 711.002 | 632.955 | 579.554 | 547.629 |
| 6.0 | 1045.677 | 1050.721 | 997.392 | 907.310 | 802.094 | 702.643 | 619.335 | 563.123 | 529.973 |
| 6.5 | 1071.620 | 1075.944 | 1014.688 | 915.958 | 801.373 | 694.211 | 605.714 | 546.476 | 512.893 |
| 7.0 | 1098.285 | 1101.167 | 1033.425 | 923.885 | 800.652 | 685.996 | 592.814 | 530.045 | 498.048 |
| 7.5 | 1125.670 | 1126.391 | 1051.442 | 932.533 | 799.932 | 677.780 | 579.338 | 514.911 | 485.508 |
| 8.0 | 1152.334 | 1150.893 | 1068.738 | 941.181 | 799.211 | 669.493 | 566.366 | 500.930 | 472.032 |
| 8.5 | 1177.557 | 1176.116 | 1087.475 | 949.108 | 797.049 | 661.205 | 553.466 | 488.895 | 459.853 |
| 9.0 | 1203.501 | 1201.339 | 1104.771 | 957.756 | 795.608 | 652.557 | 540.062 | 476.644 | 448.178 |
| 9.5 | 1232.327 | 1226.562 | 1123.508 | 965.683 | 793.446 | 644.269 | 527.739 | 465.330 | 438.161 |
| 10.0 | 1258.271 | 1251.065 | 1141.524 | 973.611 | 792.005 | 635.694 | 514.911 | 455.168 | 426.991 |
| 10.5 | 1285.656 | 1276.288 | 1159.541 | 981.538 | 789.843 | 627.334 | 503.885 | 445.223 | 415.820 |
| 11.0 | 1311.600 | 1300.069 | 1176.837 | 988.745 | 788.401 | 619.263 | 493.363 | 434.846 | 405.011 |
| 11.5 | 1337.544 | 1323.851 | 1194.132 | 995.951 | 786.239 | 610.543 | 483.202 | 424.468 | 394.417 |
| 12.0 | 1362.767 | 1347.633 | 1211.428 | 1003.158 | 784.077 | 602.615 | 473.689 | 414.307 | 384.111 |
| 12.5 | 1389.431 | 1371.415 | 1229.445 | 1011.085 | 781.915 | 593.751 | 464.033 | 404.290 | 374.094 |
| 13.0 | 1414.654 | 1395.196 | 1246.741 | 1018.292 | 779.753 | 585.247 | 455.024 | 394.777 | 364.149 |
| 13.5 | 1439.157 | 1417.537 | 1264.757 | 1025.498 | 776.871 | 576.888 | 448.394 | 385.409 | 354.781 |
| 14.0 | 1462.938 | 1440.598 | 1280.612 | 1032.705 | 773.988 | 568.168 | 439.963 | 375.824 | 344.980 |
| 14.5 | 1487.441 | 1463.659 | 1297.907 | 1038.470 | 771.105 | 560.096 | 431.603 | 366.671 | 335.971 |
| 15.0 | 1511.943 | 1485.279 | 1313.762 | 1045.677 | 768.223 | 551.953 | 423.171 | 357.663 | 326.963 |
| 15.5 | 1537.166 | 1507.619 | 1330.337 | 1052.163 | 766.061 | 543.593 | 415.100 | 348.871 | 318.171 |
| 16.0 | 1558.786 | 1528.518 | 1345.471 | 1058.649 | 763.178 | 535.450 | 407.028 | 340.367 | 310.100 |
| 16.5 | 1580.406 | 1549.418 | 1360.605 | 1065.134 | 759.575 | 526.514 | 399.101 | 332.080 | 301.236 |
| 17.0 | 1600.584 | 1569.596 | 1376.459 | 1071.620 | 756.692 | 518.082 | 391.390 | 323.936 | 293.092 |
| 17.5 | 1620.042 | 1589.054 | 1391.593 | 1077.386 | 753.089 | 509.794 | 383.751 | 316.009 | 285.237 |
| 18.0 | 1638.779 | 1607.070 | 1407.448 | 1084.592 | 749.486 | 501.579 | 376.472 | 307.866 | 277.021 |
| 18.5 | 1656.075 | 1624.366 | 1421.861 | 1090.358 | 746.603 | 493.291 | 368.978 | 300.299 | 269.743 |
| 19.0 | 1673.371 | 1640.941 | 1434.833 | 1096.123 | 743.000 | 485.652 | 361.411 | 292.660 | 261.671 |
| 19.5 | 1690.667 | 1656.075 | 1448.525 | 1101.167 | 738.676 | 478.734 | 354.348 | 285.021 | 254.249 |
| 20.0 | 1706.521 | 1670.488 | 1461.497 | 1106.212 | 735.793 | 471.672 | 346.853 | 277.670 | 247.114 |
| 20.5 | 1723.817 | 1685.622 | 1474.469 | 1112.698 | 732.190 | 464.825 | 340.079 | 270.247 | 239.547 |
| 21.0 | 1737.510 | 1699.315 | 1486.720 | 1117.022 | 727.866 | 458.267 | 333.089 | 263.401 | 232.773 |
| 21.5 | 1751.923 | 1712.287 | 1498.251 | 1122.787 | 724.263 | 452.646 | 326.098 | 256.483 | 225.638 |
| 22.0 | 1764.174 | 1725.258 | 1509.061 | 1127.111 | 719.867 | 446.521 | 319.540 | 249.564 | 218.936 |
| 22.5 | 1776.425 | 1737.510 | 1518.429 | 1130.714 | 715.254 | 440.539 | 312.694 | 242.718 | 212.306 |
| 23.0 | 1787.956 | 1749.761 | 1527.798 | 1135.759 | 711.579 | 434.053 | 306.208 | 236.160 | 205.244 |
| 23.5 | 1801.648 | 1760.571 | 1534.284 | 1139.362 | 707.111 | 428.000 | 299.722 | 229.674 | 199.623 |
| 24.0 | 1812.458 | 1770.660 | 1541.490 | 1142.966 | 703.219 | 421.297 | 293.164 | 223.332 | 192.993 |
| 24.5 | 1822.547 | 1779.308 | 1547.976 | 1146.569 | 698.391 | 414.884 | 287.039 | 217.063 | 186.939 |
| 25.0 | 1831.195 | 1787.235 | 1553.741 | 1150.172 | 693.923 | 408.470 | 280.481 | 211.081 | 181.318 |
| 25.5 | 1836.961 | 1796.604 | 1560.227 | 1153.055 | 688.950 | 402.200 | 274.499 | 205.172 | 175.264 |
| 26.0 | 1842.726 | 1803.090 | 1566.713 | 1155.217 | 683.762 | 396.291 | 268.590 | 199.406 | 170.004 |
| 26.5 | 1844.888 | 1808.134 | 1571.758 | 1157.379 | 678.861 | 389.949 | 262.608 | 193.713 | 164.238 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L30-840-S-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|------|----------|----------|----------|----------|---------|---------|---------|---------|---------|
| 27.0 | 1844.888 | 1811.738 | 1576.803 | 1159.541 | 673.816 | 384.183 | 256.987 | 188.092 | 158.833 |
| 27.5 | 1843.447 | 1812.458 | 1579.685 | 1160.982 | 668.123 | 378.130 | 250.934 | 182.831 | 153.933 |
| 28.0 | 1842.005 | 1811.738 | 1583.289 | 1161.703 | 663.727 | 372.148 | 245.312 | 177.354 | 148.528 |
| 28.5 | 1839.843 | 1809.576 | 1586.171 | 1163.144 | 657.818 | 366.527 | 239.907 | 172.382 | 143.916 |
| 29.0 | 1836.240 | 1805.972 | 1589.054 | 1164.585 | 652.845 | 360.474 | 234.286 | 167.409 | 139.015 |
| 29.5 | 1832.637 | 1801.648 | 1591.216 | 1164.585 | 647.224 | 354.925 | 229.170 | 162.581 | 134.259 |
| 30.0 | 1826.151 | 1796.604 | 1591.936 | 1163.865 | 641.171 | 349.087 | 223.765 | 157.896 | 130.007 |
| 30.5 | 1820.385 | 1791.559 | 1592.657 | 1163.865 | 635.694 | 343.394 | 218.792 | 153.068 | 125.179 |
| 31.0 | 1816.061 | 1786.514 | 1591.936 | 1163.144 | 629.784 | 337.917 | 213.675 | 148.744 | 121.215 |
| 31.5 | 1810.296 | 1780.029 | 1591.216 | 1162.423 | 624.740 | 332.368 | 208.631 | 144.348 | 116.963 |
| 32.0 | 1805.252 | 1772.822 | 1589.054 | 1161.703 | 619.190 | 326.819 | 203.947 | 140.024 | 112.927 |
| 32.5 | 1798.045 | 1765.615 | 1586.171 | 1159.541 | 613.137 | 321.126 | 198.830 | 135.916 | 109.108 |
| 33.0 | 1791.559 | 1756.247 | 1581.127 | 1158.820 | 607.732 | 315.577 | 194.218 | 131.809 | 105.072 |
| 33.5 | 1785.794 | 1749.040 | 1577.523 | 1156.658 | 601.462 | 310.172 | 189.678 | 127.917 | 101.613 |
| 34.0 | 1778.587 | 1741.113 | 1572.479 | 1155.217 | 595.409 | 304.695 | 185.065 | 124.170 | 97.866 |
| 34.5 | 1771.381 | 1732.465 | 1564.551 | 1152.334 | 590.076 | 299.362 | 181.030 | 120.350 | 94.262 |
| 35.0 | 1763.453 | 1723.817 | 1556.624 | 1149.452 | 583.590 | 293.885 | 176.417 | 116.675 | 90.947 |
| 35.5 | 1755.526 | 1714.449 | 1547.256 | 1146.569 | 577.969 | 288.336 | 172.093 | 113.144 | 87.488 |
| 36.0 | 1747.599 | 1705.080 | 1537.887 | 1142.966 | 571.483 | 283.147 | 167.842 | 109.540 | 84.389 |
| 36.5 | 1741.834 | 1694.991 | 1528.518 | 1139.362 | 565.573 | 277.886 | 163.590 | 106.225 | 81.290 |
| 37.0 | 1733.186 | 1684.181 | 1518.429 | 1136.480 | 560.024 | 272.770 | 159.626 | 102.910 | 78.192 |
| 37.5 | 1724.538 | 1673.371 | 1508.340 | 1131.435 | 552.890 | 267.653 | 155.590 | 99.739 | 75.381 |
| 38.0 | 1715.169 | 1661.840 | 1497.530 | 1126.391 | 546.908 | 262.248 | 151.555 | 96.568 | 72.282 |
| 38.5 | 1704.359 | 1651.030 | 1486.000 | 1121.346 | 540.278 | 257.203 | 147.735 | 93.470 | 69.472 |
| 39.0 | 1696.432 | 1640.221 | 1474.469 | 1116.301 | 533.576 | 252.159 | 143.844 | 90.515 | 66.805 |
| 39.5 | 1687.784 | 1628.690 | 1462.938 | 1110.536 | 527.739 | 247.330 | 140.168 | 87.560 | 64.139 |
| 40.0 | 1678.416 | 1617.160 | 1449.967 | 1104.771 | 520.965 | 242.502 | 136.565 | 84.822 | 61.616 |
| 40.5 | 1669.047 | 1604.188 | 1437.715 | 1099.005 | 514.911 | 237.529 | 132.962 | 82.011 | 59.022 |
| 41.0 | 1659.678 | 1592.657 | 1424.023 | 1093.240 | 508.569 | 232.773 | 129.502 | 79.417 | 56.716 |
| 41.5 | 1650.310 | 1581.847 | 1412.492 | 1087.475 | 501.723 | 228.017 | 126.115 | 76.966 | 54.482 |
| 42.0 | 1640.941 | 1570.317 | 1400.241 | 1081.710 | 495.669 | 223.476 | 123.089 | 74.444 | 52.320 |
| 42.5 | 1632.293 | 1560.227 | 1387.990 | 1075.944 | 489.184 | 219.008 | 120.062 | 72.138 | 50.374 |
| 43.0 | 1622.925 | 1550.138 | 1375.739 | 1069.458 | 482.914 | 214.540 | 117.035 | 69.976 | 48.284 |
| 43.5 | 1614.998 | 1539.328 | 1362.767 | 1062.252 | 476.932 | 210.216 | 114.080 | 67.742 | 46.410 |
| 44.0 | 1606.350 | 1529.239 | 1349.795 | 1055.766 | 470.663 | 205.964 | 111.198 | 65.724 | 44.537 |
| 44.5 | 1599.143 | 1519.150 | 1337.544 | 1049.280 | 464.897 | 201.713 | 108.531 | 63.706 | 42.807 |
| 45.0 | 1589.774 | 1509.061 | 1325.292 | 1042.794 | 458.844 | 197.749 | 106.009 | 61.833 | 41.222 |
| 45.5 | 1581.847 | 1498.971 | 1312.321 | 1035.587 | 453.295 | 193.569 | 103.270 | 59.959 | 39.564 |
| 46.0 | 1574.641 | 1489.603 | 1299.349 | 1027.660 | 447.890 | 189.678 | 100.964 | 58.085 | 37.979 |
| 46.5 | 1565.993 | 1480.234 | 1286.377 | 1020.454 | 442.341 | 185.786 | 98.370 | 56.356 | 36.537 |
| 47.0 | 1558.065 | 1470.866 | 1273.405 | 1012.526 | 436.575 | 181.894 | 95.992 | 54.626 | 35.024 |
| 47.5 | 1550.859 | 1462.218 | 1261.154 | 1005.320 | 430.450 | 178.219 | 93.758 | 52.968 | 33.655 |
| 48.0 | 1542.932 | 1451.408 | 1246.741 | 996.672 | 424.180 | 174.472 | 91.452 | 51.383 | 32.286 |
| 48.5 | 1533.563 | 1441.319 | 1233.769 | 988.024 | 418.415 | 170.796 | 89.218 | 49.725 | 30.988 |
| 49.0 | 1524.915 | 1430.509 | 1220.076 | 979.376 | 412.073 | 167.193 | 86.984 | 48.212 | 29.763 |
| 49.5 | 1515.547 | 1420.420 | 1206.384 | 970.728 | 405.947 | 163.590 | 84.822 | 46.843 | 28.610 |
| 50.0 | 1506.899 | 1410.330 | 1194.853 | 961.360 | 399.894 | 160.203 | 82.876 | 45.402 | 27.529 |
| 50.5 | 1497.530 | 1399.520 | 1181.881 | 951.270 | 393.552 | 156.743 | 80.858 | 44.104 | 26.448 |
| 51.0 | 1487.441 | 1388.711 | 1168.189 | 941.181 | 387.571 | 153.428 | 78.912 | 42.735 | 25.367 |
| 51.5 | 1478.072 | 1379.342 | 1154.496 | 929.651 | 381.373 | 150.113 | 76.966 | 41.438 | 24.430 |
| 52.0 | 1469.424 | 1368.532 | 1142.245 | 918.120 | 375.536 | 146.798 | 75.021 | 40.213 | 23.493 |
| 52.5 | 1460.776 | 1358.443 | 1129.994 | 906.589 | 369.914 | 143.699 | 73.291 | 39.060 | 22.629 |
| 53.0 | 1452.129 | 1346.912 | 1117.022 | 895.059 | 363.645 | 140.601 | 71.489 | 37.979 | 21.764 |
| 53.5 | 1443.481 | 1336.823 | 1104.050 | 882.808 | 357.807 | 137.574 | 69.688 | 36.898 | 20.971 |
| 54.0 | 1433.391 | 1327.454 | 1091.799 | 870.556 | 351.682 | 134.403 | 68.030 | 35.817 | 20.178 |
| 54.5 | 1424.743 | 1316.645 | 1079.548 | 858.305 | 345.628 | 131.448 | 66.229 | 34.808 | 19.458 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L30-840-S-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|------|----------|----------|----------|---------|---------|---------|--------|--------|--------|
| 55.0 | 1415.375 | 1307.276 | 1067.296 | 846.054 | 340.007 | 128.638 | 64.571 | 33.799 | 18.737 |
| 55.5 | 1405.286 | 1296.466 | 1054.325 | 833.082 | 333.737 | 125.827 | 62.914 | 32.862 | 18.016 |
| 56.0 | 1396.638 | 1285.656 | 1042.073 | 819.390 | 328.116 | 123.017 | 61.256 | 31.925 | 17.440 |
| 56.5 | 1386.549 | 1274.126 | 1029.102 | 806.418 | 322.207 | 120.134 | 59.743 | 31.060 | 16.791 |
| 57.0 | 1376.459 | 1263.316 | 1015.409 | 793.446 | 316.009 | 117.395 | 58.085 | 30.196 | 16.215 |
| 57.5 | 1367.811 | 1251.785 | 1003.878 | 780.474 | 310.532 | 114.729 | 56.572 | 29.403 | 15.638 |
| 58.0 | 1357.001 | 1240.255 | 990.907 | 766.782 | 304.334 | 112.135 | 55.130 | 28.610 | 15.134 |
| 58.5 | 1348.354 | 1228.003 | 978.655 | 753.089 | 298.497 | 109.612 | 53.689 | 27.890 | 14.629 |
| 59.0 | 1339.706 | 1217.194 | 966.404 | 740.117 | 292.660 | 107.162 | 52.392 | 27.097 | 14.125 |
| 59.5 | 1331.058 | 1205.663 | 952.712 | 726.425 | 286.606 | 104.712 | 51.095 | 26.448 | 13.620 |
| 60.0 | 1326.734 | 1194.853 | 940.460 | 712.732 | 281.273 | 102.334 | 49.725 | 25.728 | 13.188 |
| 60.5 | 1323.851 | 1185.485 | 928.209 | 699.616 | 275.220 | 100.100 | 48.500 | 25.151 | 12.756 |
| 61.0 | 1323.131 | 1175.395 | 915.237 | 686.572 | 269.599 | 97.793 | 47.275 | 24.502 | 12.395 |
| 61.5 | 1325.292 | 1166.027 | 902.986 | 673.024 | 263.978 | 95.487 | 46.122 | 23.926 | 11.963 |
| 62.0 | 1326.013 | 1158.820 | 890.735 | 659.619 | 257.924 | 93.253 | 44.897 | 23.277 | 11.603 |
| 62.5 | 1328.896 | 1153.776 | 878.484 | 645.927 | 252.447 | 91.163 | 43.816 | 22.701 | 11.242 |
| 63.0 | 1331.778 | 1150.893 | 865.512 | 632.739 | 246.754 | 89.001 | 42.807 | 22.196 | 10.882 |
| 63.5 | 1334.661 | 1148.010 | 852.540 | 618.542 | 241.061 | 87.056 | 41.726 | 21.620 | 10.594 |
| 64.0 | 1333.940 | 1145.848 | 839.568 | 604.849 | 235.511 | 84.966 | 40.717 | 21.115 | 10.233 |
| 64.5 | 1327.454 | 1145.128 | 825.876 | 590.869 | 229.818 | 82.876 | 39.636 | 20.539 | 9.945 |
| 65.0 | 1314.483 | 1142.966 | 812.904 | 577.320 | 224.413 | 80.858 | 38.555 | 20.034 | 9.657 |
| 65.5 | 1295.745 | 1139.362 | 799.211 | 564.132 | 219.008 | 78.840 | 37.618 | 19.530 | 9.369 |
| 66.0 | 1276.288 | 1129.273 | 786.960 | 550.872 | 213.531 | 76.894 | 36.682 | 19.025 | 9.080 |
| 66.5 | 1256.109 | 1112.698 | 774.709 | 537.612 | 208.126 | 74.949 | 35.673 | 18.521 | 8.792 |
| 67.0 | 1233.769 | 1093.240 | 762.458 | 524.352 | 202.433 | 73.003 | 34.736 | 18.089 | 8.504 |
| 67.5 | 1214.311 | 1072.341 | 750.206 | 511.380 | 197.028 | 71.129 | 33.799 | 17.584 | 8.288 |
| 68.0 | 1187.647 | 1052.883 | 740.117 | 498.336 | 191.840 | 69.183 | 32.862 | 17.080 | 7.999 |
| 68.5 | 1154.496 | 1031.984 | 730.749 | 485.508 | 186.723 | 67.382 | 31.925 | 16.647 | 7.711 |
| 69.0 | 1118.463 | 1010.364 | 722.101 | 472.897 | 181.894 | 65.508 | 31.060 | 16.215 | 7.495 |
| 69.5 | 1068.738 | 982.979 | 715.326 | 461.582 | 176.850 | 63.634 | 30.196 | 15.782 | 7.279 |
| 70.0 | 1013.247 | 948.388 | 707.904 | 448.610 | 171.877 | 61.833 | 29.331 | 15.278 | 6.990 |
| 70.5 | 954.874 | 910.913 | 700.841 | 436.503 | 167.049 | 60.031 | 28.466 | 14.846 | 6.774 |
| 71.0 | 890.014 | 866.953 | 689.671 | 424.468 | 162.076 | 58.229 | 27.673 | 14.413 | 6.558 |
| 71.5 | 833.082 | 816.507 | 672.519 | 411.641 | 157.392 | 56.500 | 26.881 | 13.981 | 6.270 |
| 72.0 | 771.105 | 766.782 | 653.061 | 398.813 | 152.708 | 54.770 | 26.088 | 13.548 | 6.054 |
| 72.5 | 714.173 | 713.885 | 632.090 | 385.913 | 147.951 | 53.041 | 25.223 | 13.044 | 5.837 |
| 73.0 | 668.628 | 661.133 | 611.551 | 373.085 | 143.411 | 51.311 | 24.358 | 12.612 | 5.621 |
| 73.5 | 624.667 | 612.777 | 591.733 | 360.690 | 138.871 | 49.581 | 23.566 | 12.179 | 5.405 |
| 74.0 | 591.373 | 567.087 | 569.537 | 348.295 | 134.403 | 47.924 | 22.773 | 11.747 | 5.189 |
| 74.5 | 562.835 | 530.910 | 545.683 | 335.899 | 129.863 | 46.194 | 21.980 | 11.314 | 4.973 |
| 75.0 | 537.468 | 499.777 | 518.442 | 323.360 | 125.251 | 44.609 | 21.187 | 10.954 | 4.756 |
| 75.5 | 519.235 | 473.545 | 488.030 | 310.892 | 120.783 | 42.951 | 20.395 | 10.450 | 4.540 |
| 76.0 | 501.507 | 452.646 | 456.538 | 298.065 | 116.386 | 41.366 | 19.602 | 10.089 | 4.252 |
| 76.5 | 487.094 | 435.639 | 423.171 | 285.381 | 112.135 | 39.780 | 18.809 | 9.657 | 3.964 |
| 77.0 | 473.906 | 419.784 | 388.940 | 272.553 | 107.955 | 38.195 | 18.089 | 9.224 | 3.747 |
| 77.5 | 459.132 | 405.011 | 356.078 | 259.581 | 103.775 | 36.609 | 17.296 | 8.792 | 3.603 |
| 78.0 | 451.349 | 391.030 | 326.747 | 247.042 | 99.811 | 35.096 | 16.503 | 8.360 | 3.459 |
| 78.5 | 449.908 | 379.139 | 302.028 | 235.079 | 95.776 | 33.583 | 15.782 | 7.927 | 3.243 |
| 79.0 | 450.412 | 374.166 | 280.625 | 223.260 | 91.956 | 32.069 | 14.990 | 7.567 | 3.099 |
| 79.5 | 453.367 | 375.031 | 262.897 | 210.721 | 87.993 | 30.556 | 14.197 | 7.207 | 2.955 |
| 80.0 | 456.466 | 377.337 | 247.474 | 197.461 | 84.029 | 29.043 | 13.476 | 6.846 | 2.739 |
| 80.5 | 459.276 | 378.418 | 233.566 | 183.696 | 79.921 | 27.529 | 12.684 | 6.414 | 2.594 |
| 81.0 | 461.222 | 378.779 | 221.891 | 170.076 | 75.741 | 26.016 | 11.963 | 6.054 | 2.450 |
| 81.5 | 459.132 | 378.851 | 214.324 | 157.392 | 71.489 | 24.502 | 11.170 | 5.693 | 2.306 |
| 82.0 | 447.097 | 374.166 | 211.081 | 144.276 | 66.877 | 22.989 | 10.450 | 5.333 | 2.162 |
| 82.5 | 424.324 | 360.186 | 209.568 | 130.800 | 62.265 | 21.404 | 9.729 | 4.973 | 2.018 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L30-840-S-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|---------|---------|---------|---------|--------|--------|-------|-------|-------|
| 83.0 | 398.236 | 337.989 | 207.694 | 117.179 | 57.653 | 19.890 | 9.008 | 4.612 | 1.874 |
| 83.5 | 375.175 | 316.297 | 204.235 | 104.568 | 53.113 | 18.377 | 8.288 | 4.252 | 1.802 |
| 84.0 | 351.105 | 295.542 | 196.308 | 93.614 | 48.572 | 16.863 | 7.567 | 3.892 | 1.658 |
| 84.5 | 329.702 | 275.220 | 184.201 | 84.317 | 44.104 | 15.350 | 6.846 | 3.531 | 1.585 |
| 85.0 | 307.433 | 255.185 | 169.643 | 76.462 | 39.708 | 13.837 | 6.126 | 3.243 | 1.441 |
| 85.5 | 287.471 | 236.520 | 154.509 | 69.183 | 35.312 | 12.395 | 5.405 | 2.883 | 1.369 |
| 86.0 | 264.122 | 215.117 | 139.952 | 62.049 | 30.988 | 10.882 | 4.684 | 2.522 | 1.225 |
| 86.5 | 231.836 | 188.380 | 124.386 | 54.914 | 26.736 | 9.369 | 4.036 | 2.234 | 1.153 |
| 87.0 | 200.559 | 158.905 | 107.739 | 46.915 | 22.340 | 7.855 | 3.315 | 1.874 | 1.009 |
| 87.5 | 165.175 | 128.277 | 89.290 | 38.195 | 18.016 | 6.342 | 2.666 | 1.585 | 0.937 |
| 88.0 | 128.205 | 95.704 | 68.030 | 29.187 | 13.693 | 4.900 | 2.090 | 1.297 | 0.865 |
| 88.5 | 91.956 | 60.391 | 45.185 | 19.746 | 9.369 | 3.459 | 1.441 | 1.009 | 0.793 |
| 89.0 | 45.906 | 22.989 | 22.196 | 11.026 | 5.189 | 2.090 | 1.009 | 0.793 | 0.649 |
| 89.5 | 12.539 | 3.603 | 6.702 | 5.261 | 2.811 | 1.153 | 0.721 | 0.649 | 0.649 |
| 90.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 90.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 91.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 91.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 93.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 93.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 94.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 94.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 96.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 96.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 98.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 98.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 99.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 99.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 101.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 101.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 103.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 103.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 104.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 104.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 106.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 106.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 108.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 108.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 109.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 109.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L30-840-S-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 111.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 111.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 113.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 113.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 114.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 114.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 116.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 116.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 118.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 118.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 119.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 119.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 121.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 121.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 123.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 123.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 124.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 124.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 126.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 126.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 128.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 128.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 129.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 129.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 131.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 131.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 133.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 133.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 134.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 134.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 136.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 136.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 138.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 138.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L30-840-S-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 139.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 139.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 141.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 141.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 143.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 143.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 144.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 144.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 146.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 146.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 148.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 148.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 149.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 149.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 151.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 151.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 153.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 153.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 154.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 154.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 156.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 156.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 158.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 158.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 159.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 159.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 161.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 161.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 163.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 163.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 164.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 164.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 166.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 166.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L30-840-S-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 167.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 173.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 173.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L30-840-S-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 320.86 | N.A. | 10.50 |
| 0-30 | 728.72 | N.A. | 23.90 |
| 0-40 | 1238.18 | N.A. | 40.60 |
| 0-60 | 2274.57 | N.A. | 74.60 |
| 0-80 | 2958.87 | N.A. | 97.00 |
| 0-90 | 3050.09 | N.A. | 100.00 |
| 10-90 | 2972.92 | N.A. | 97.50 |
| 20-40 | 917.31 | N.A. | 30.10 |
| 20-50 | 1450.22 | N.A. | 47.50 |
| 40-70 | 1471.00 | N.A. | 48.20 |
| 60-80 | 684.30 | N.A. | 22.40 |
| 70-80 | 249.70 | N.A. | 8.20 |
| 80-90 | 91.22 | N.A. | 3.00 |
| 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 | 3050.09 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 77.17 |
| 10-20 | 243.69 |
| 20-30 | 407.85 |
| 30-40 | 509.46 |
| 40-50 | 532.91 |
| 50-60 | 503.49 |
| 60-70 | 434.60 |
| 70-80 | 249.70 |
| 80-90 | 91.22 |
| 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 : RWG-4-L30-840-S-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 | 108 | 103 | 98 | 94 | 105 | 100 | 96 | 92 | 96 | 92 | 89 | 92 | 89 | 87 | 88 | 86 | 84 | 82 |
| 2 | 97 | 89 | 81 | 75 | 95 | 87 | 80 | 74 | 83 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 69 | 67 |
| 3 | 88 | 77 | 68 | 62 | 86 | 76 | 68 | 61 | 72 | 66 | 60 | 70 | 64 | 59 | 67 | 62 | 58 | 56 |
| 4 | 81 | 68 | 59 | 52 | 78 | 67 | 58 | 51 | 64 | 56 | 50 | 62 | 55 | 50 | 59 | 54 | 49 | 47 |
| 5 | 74 | 60 | 51 | 44 | 72 | 59 | 50 | 44 | 57 | 49 | 43 | 55 | 48 | 43 | 53 | 47 | 42 | 40 |
| 6 | 68 | 54 | 45 | 38 | 66 | 53 | 44 | 38 | 51 | 43 | 37 | 50 | 42 | 37 | 48 | 42 | 37 | 35 |
| 7 | 63 | 49 | 40 | 33 | 61 | 48 | 39 | 33 | 46 | 39 | 33 | 45 | 38 | 33 | 44 | 37 | 32 | 30 |
| 8 | 58 | 44 | 36 | 30 | 57 | 44 | 35 | 29 | 42 | 35 | 29 | 41 | 34 | 29 | 40 | 34 | 29 | 27 |
| 9 | 54 | 41 | 32 | 26 | 53 | 40 | 32 | 26 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 24 |
| 10 | 51 | 37 | 29 | 24 | 50 | 37 | 29 | 24 | 36 | 29 | 24 | 35 | 28 | 23 | 34 | 28 | 23 | 22 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RWG-4-L30-840-S-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

| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| X=2H | Y=2H | 22.5 | 24.2 | 22.9 | 24.5 | 24.8 | 16.0 | 17.7 | 16.4 | 18.1 | 18.4 |
| | 3H | 25.5 | 27.0 | 25.9 | 27.3 | 27.7 | 17.3 | 18.9 | 17.7 | 19.2 | 19.6 |
| | 4H | 26.0 | 27.5 | 26.4 | 27.8 | 28.2 | 17.8 | 19.2 | 18.2 | 19.6 | 20.0 |
| | 6H | 26.5 | 27.9 | 27.0 | 28.3 | 28.7 | 18.1 | 19.5 | 18.5 | 19.9 | 20.2 |
| | 8H | 27.0 | 28.3 | 27.4 | 28.7 | 29.0 | 18.2 | 19.5 | 18.7 | 19.9 | 20.3 |
| | 12H | 27.3 | 28.6 | 27.8 | 29.0 | 29.4 | 18.3 | 19.6 | 18.8 | 20.0 | 20.4 |

UGR Viewed Endwise

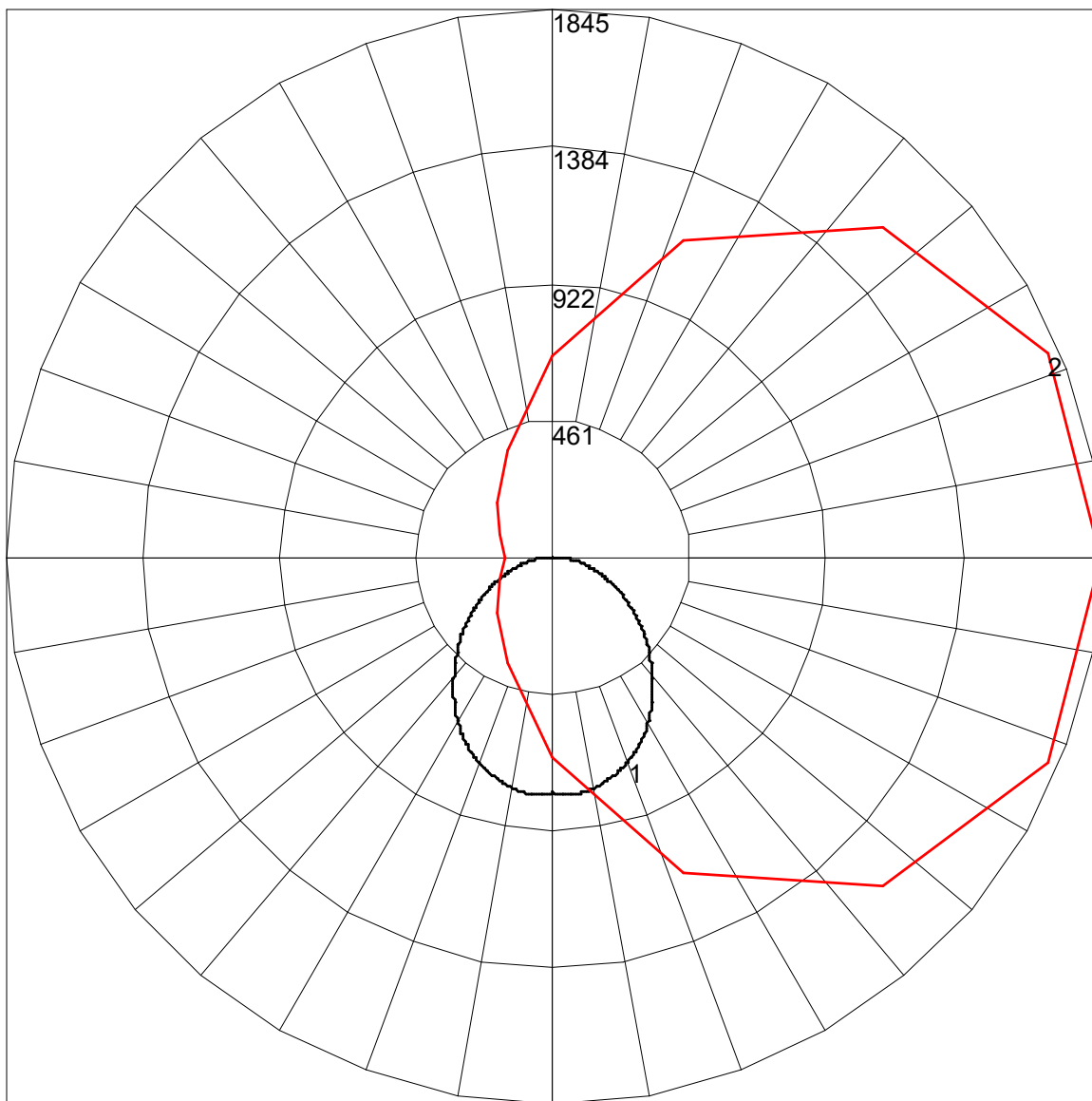
| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 23.0 | 24.4 | 23.3 | 24.8 | 25.1 | 17.6 | 19.0 | 18.0 | 19.4 | 19.7 |
| | 3H | 26.1 | 27.4 | 26.5 | 27.8 | 28.2 | 19.3 | 20.5 | 19.7 | 20.9 | 21.3 |
| | 4H | 26.8 | 27.9 | 27.2 | 28.3 | 28.7 | 19.9 | 21.0 | 20.3 | 21.4 | 21.9 |
| | 6H | 27.5 | 28.5 | 27.9 | 28.9 | 29.4 | 20.3 | 21.3 | 20.8 | 21.8 | 22.2 |
| | 8H | 28.0 | 28.9 | 28.5 | 29.4 | 29.8 | 20.5 | 21.4 | 20.9 | 21.8 | 22.3 |
| | 12H | 28.5 | 29.3 | 29.0 | 29.8 | 30.3 | 20.6 | 21.4 | 21.0 | 21.9 | 22.3 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 27.0 | 27.9 | 27.4 | 28.3 | 28.8 | 20.8 | 21.7 | 21.3 | 22.2 | 22.6 |
| | 6H | 27.8 | 28.6 | 28.3 | 29.1 | 29.5 | 21.4 | 22.2 | 21.9 | 22.6 | 23.1 |
| | 8H | 28.5 | 29.2 | 29.0 | 29.7 | 30.2 | 21.6 | 22.3 | 22.1 | 22.8 | 23.3 |
| | 12H | 29.2 | 29.8 | 29.7 | 30.3 | 30.8 | 21.7 | 22.3 | 22.2 | 22.8 | 23.4 |

| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 27.0 | 27.8 | 27.5 | 28.3 | 28.7 | 21.0 | 21.8 | 21.4 | 22.3 | 22.7 |
| | 6H | 27.9 | 28.5 | 28.4 | 29.0 | 29.5 | 21.6 | 22.3 | 22.1 | 22.8 | 23.3 |
| | 8H | 28.6 | 29.2 | 29.1 | 29.7 | 30.2 | 21.9 | 22.5 | 22.4 | 23.0 | 23.5 |

Maximum UGR = 30.8

POLAR GRAPH



Maximum Candela = 1844.888 Located At Horizontal Angle = 0, Vertical Angle = 26.5

1 - Vertical Plane Through Horizontal Angles (90 - 270)

2 - Horizontal Cone Through Vertical Angle (26.5) (Through Max. Cd.)