

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : RWG-4-L30-935-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-L30-935-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\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] INDOOR  
[SEARCH\_MOUNTING] RECESSED

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 2458            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 91              |
| 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<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 5991             | 4994              | 1729              |
| 55                  | 6576             | 4958              | 1580              |
| 65                  | 8288             | 5126              | 1415              |
| 75                  | 5534             | 5338              | 1290              |
| 85                  | 9400             | 5187              | 1214              |

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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> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> |
|------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| 0.0  | 635.894    | 635.894     | 635.894     | 635.894     | 635.894     | 635.894      | 635.894      | 635.894      | 635.894      |
| 0.5  | 628.345    | 646.347     | 650.993     | 652.735     | 647.509     | 638.798      | 626.022      | 614.407      | 593.501      |
| 1.0  | 645.767    | 662.608     | 663.769     | 659.704     | 647.509     | 631.829      | 613.827      | 598.728      | 576.776      |
| 1.5  | 663.769    | 680.029     | 677.707     | 667.253     | 647.509     | 625.441      | 601.631      | 583.048      | 560.516      |
| 2.0  | 682.933    | 697.451     | 691.063     | 674.222     | 648.090     | 619.053      | 590.017      | 567.659      | 544.546      |
| 2.5  | 701.516    | 714.292     | 704.420     | 681.191     | 648.670     | 612.665      | 578.112      | 552.270      | 528.867      |
| 3.0  | 720.680    | 732.875     | 718.357     | 688.740     | 648.670     | 606.277      | 566.440      | 537.403      | 513.303      |
| 3.5  | 740.425    | 750.878     | 731.714     | 695.709     | 648.670     | 599.889      | 554.651      | 522.885      | 498.611      |
| 4.0  | 760.170    | 769.461     | 746.232     | 703.258     | 648.670     | 592.921      | 543.152      | 508.193      | 483.628      |
| 4.5  | 780.495    | 788.044     | 760.170     | 710.227     | 648.090     | 585.952      | 532.119      | 494.197      | 469.110      |
| 5.0  | 801.401    | 807.208     | 774.688     | 717.196     | 648.090     | 579.390      | 521.085      | 480.550      | 455.405      |
| 5.5  | 821.726    | 826.953     | 789.206     | 724.165     | 646.928     | 572.944      | 510.051      | 467.019      | 441.293      |
| 6.0  | 842.633    | 846.698     | 803.724     | 731.133     | 646.347     | 566.207      | 499.075      | 453.779      | 427.065      |
| 6.5  | 863.539    | 867.023     | 817.661     | 738.102     | 645.767     | 559.413      | 488.100      | 440.364      | 413.302      |
| 7.0  | 885.025    | 887.348     | 832.760     | 744.490     | 645.186     | 552.792      | 477.705      | 427.124      | 401.339      |
| 7.5  | 907.093    | 907.674     | 847.278     | 751.459     | 644.605     | 546.172      | 466.845      | 414.928      | 391.235      |
| 8.0  | 928.580    | 927.418     | 861.216     | 758.427     | 644.024     | 539.494      | 456.392      | 403.662      | 380.375      |
| 8.5  | 948.905    | 947.744     | 876.315     | 764.815     | 642.282     | 532.816      | 445.997      | 393.964      | 370.561      |
| 9.0  | 969.811    | 968.069     | 890.252     | 771.784     | 641.121     | 525.847      | 435.196      | 384.092      | 361.153      |
| 9.5  | 993.040    | 988.395     | 905.351     | 778.172     | 639.379     | 519.168      | 425.265      | 374.974      | 353.081      |
| 10.0 | 1013.946   | 1008.139    | 919.869     | 784.560     | 638.217     | 512.258      | 414.928      | 366.786      | 344.080      |
| 10.5 | 1036.014   | 1028.465    | 934.387     | 790.948     | 636.475     | 505.521      | 406.043      | 358.772      | 335.079      |
| 11.0 | 1056.920   | 1047.629    | 948.325     | 796.755     | 635.314     | 499.017      | 397.565      | 350.410      | 326.368      |
| 11.5 | 1077.826   | 1066.793    | 962.262     | 802.562     | 633.571     | 491.991      | 389.376      | 342.047      | 317.831      |
| 12.0 | 1098.152   | 1085.956    | 976.199     | 808.370     | 631.829     | 485.603      | 381.711      | 333.859      | 309.527      |
| 12.5 | 1119.639   | 1105.120    | 990.717     | 814.758     | 630.087     | 478.460      | 373.929      | 325.787      | 301.455      |
| 13.0 | 1139.964   | 1124.284    | 1004.655    | 820.565     | 628.345     | 471.607      | 366.670      | 318.121      | 293.441      |
| 13.5 | 1159.709   | 1142.287    | 1019.173    | 826.372     | 626.022     | 464.871      | 361.327      | 310.572      | 285.891      |
| 14.0 | 1178.873   | 1160.870    | 1031.949    | 832.179     | 623.699     | 457.844      | 354.533      | 302.848      | 277.993      |
| 14.5 | 1198.617   | 1179.453    | 1045.886    | 836.825     | 621.376     | 451.340      | 347.796      | 295.473      | 270.734      |
| 15.0 | 1218.362   | 1196.875    | 1058.662    | 842.633     | 619.053     | 444.778      | 341.002      | 288.214      | 263.475      |
| 15.5 | 1238.687   | 1214.877    | 1072.019    | 847.859     | 617.311     | 438.041      | 334.498      | 281.129      | 256.390      |
| 16.0 | 1256.109   | 1231.719    | 1084.214    | 853.086     | 614.988     | 431.479      | 327.994      | 274.277      | 249.886      |
| 16.5 | 1273.531   | 1248.560    | 1096.410    | 858.312     | 612.085     | 424.278      | 321.606      | 267.598      | 242.743      |
| 17.0 | 1289.791   | 1264.820    | 1109.185    | 863.539     | 609.762     | 417.483      | 315.392      | 261.036      | 236.181      |
| 17.5 | 1305.471   | 1280.499    | 1121.381    | 868.184     | 606.858     | 410.805      | 309.236      | 254.648      | 229.851      |
| 18.0 | 1320.569   | 1295.018    | 1134.157    | 873.992     | 603.954     | 404.185      | 303.371      | 248.086      | 223.231      |
| 18.5 | 1334.507   | 1308.955    | 1145.771    | 878.637     | 601.631     | 397.507      | 297.331      | 241.988      | 217.366      |
| 19.0 | 1348.444   | 1322.312    | 1156.224    | 883.283     | 598.728     | 391.351      | 291.234      | 235.833      | 210.861      |
| 19.5 | 1362.382   | 1334.507    | 1167.258    | 887.348     | 595.244     | 385.776      | 285.543      | 229.677      | 204.880      |
| 20.0 | 1375.158   | 1346.121    | 1177.711    | 891.413     | 592.921     | 380.085      | 279.503      | 223.753      | 199.131      |
| 20.5 | 1389.095   | 1358.317    | 1188.164    | 896.640     | 590.017     | 374.568      | 274.044      | 217.772      | 193.033      |
| 21.0 | 1400.129   | 1369.350    | 1198.036    | 900.124     | 586.533     | 369.283      | 268.411      | 212.255      | 187.574      |
| 21.5 | 1411.743   | 1379.803    | 1207.328    | 904.770     | 583.629     | 364.754      | 262.778      | 206.680      | 181.825      |
| 22.0 | 1421.616   | 1390.257    | 1216.039    | 908.254     | 580.087     | 359.817      | 257.494      | 201.105      | 176.424      |
| 22.5 | 1431.488   | 1400.129    | 1223.588    | 911.158     | 576.370     | 354.997      | 251.977      | 195.588      | 171.082      |
| 23.0 | 1440.780   | 1410.001    | 1231.138    | 915.223     | 573.408     | 349.771      | 246.750      | 190.304      | 165.391      |
| 23.5 | 1451.813   | 1418.712    | 1236.364    | 918.127     | 569.808     | 344.893      | 241.524      | 185.077      | 160.861      |
| 24.0 | 1460.524   | 1426.842    | 1242.172    | 921.030     | 566.672     | 339.492      | 236.239      | 179.967      | 155.518      |
| 24.5 | 1468.654   | 1433.811    | 1247.398    | 923.934     | 562.781     | 334.324      | 231.303      | 174.914      | 150.640      |
| 25.0 | 1475.623   | 1440.199    | 1252.044    | 926.838     | 559.180     | 329.155      | 226.018      | 170.094      | 146.111      |
| 25.5 | 1480.269   | 1447.748    | 1257.270    | 929.161     | 555.173     | 324.103      | 221.198      | 165.333      | 141.232      |
| 26.0 | 1484.915   | 1452.975    | 1262.497    | 930.903     | 550.992     | 319.341      | 216.436      | 160.687      | 136.993      |
| 26.5 | 1486.657   | 1457.040    | 1266.562    | 932.645     | 547.043     | 314.230      | 211.616      | 156.099      | 132.347      |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |          |         |         |         |         |         |         |
|------|----------|----------|----------|---------|---------|---------|---------|---------|---------|
| 27.0 | 1486.657 | 1459.944 | 1270.627 | 934.387 | 542.978 | 309.585 | 207.087 | 151.569 | 127.992 |
| 27.5 | 1485.496 | 1460.524 | 1272.950 | 935.549 | 538.390 | 304.707 | 202.209 | 147.330 | 124.043 |
| 28.0 | 1484.334 | 1459.944 | 1275.854 | 936.129 | 534.848 | 299.887 | 197.679 | 142.917 | 119.687 |
| 28.5 | 1482.592 | 1458.201 | 1278.177 | 937.291 | 530.086 | 295.357 | 193.323 | 138.910 | 115.971 |
| 29.0 | 1479.688 | 1455.298 | 1280.499 | 938.452 | 526.079 | 290.479 | 188.794 | 134.903 | 112.022 |
| 29.5 | 1476.785 | 1451.813 | 1282.242 | 938.452 | 521.549 | 286.007 | 184.671 | 131.012 | 108.189 |
| 30.0 | 1471.558 | 1447.748 | 1282.822 | 937.871 | 516.671 | 281.303 | 180.315 | 127.237 | 104.763 |
| 30.5 | 1466.912 | 1443.683 | 1283.403 | 937.871 | 512.258 | 276.716 | 176.308 | 123.346 | 100.872 |
| 31.0 | 1463.428 | 1439.618 | 1282.822 | 937.291 | 507.496 | 272.302 | 172.185 | 119.862 | 97.678  |
| 31.5 | 1458.782 | 1434.392 | 1282.242 | 936.710 | 503.431 | 267.831 | 168.120 | 116.319 | 94.252  |
| 32.0 | 1454.717 | 1428.584 | 1280.499 | 936.129 | 498.959 | 263.359 | 164.345 | 112.835 | 91.000  |
| 32.5 | 1448.910 | 1422.777 | 1278.177 | 934.387 | 494.081 | 258.771 | 160.222 | 109.525 | 87.922  |
| 33.0 | 1443.683 | 1415.228 | 1274.111 | 933.806 | 489.726 | 254.300 | 156.505 | 106.215 | 84.670  |
| 33.5 | 1439.037 | 1409.420 | 1271.208 | 932.064 | 484.673 | 249.944 | 152.847 | 103.079 | 81.882  |
| 34.0 | 1433.230 | 1403.032 | 1267.143 | 930.903 | 479.795 | 245.531 | 149.130 | 100.059 | 78.863  |
| 34.5 | 1427.423 | 1396.064 | 1260.755 | 928.580 | 475.498 | 241.233 | 145.878 | 96.981  | 75.959  |
| 35.0 | 1421.035 | 1389.095 | 1254.367 | 926.257 | 470.271 | 236.820 | 142.162 | 94.019  | 73.288  |
| 35.5 | 1414.647 | 1381.546 | 1246.817 | 923.934 | 465.742 | 232.348 | 138.677 | 91.174  | 70.500  |
| 36.0 | 1408.259 | 1373.996 | 1239.268 | 921.030 | 460.515 | 228.167 | 135.251 | 88.270  | 68.003  |
| 36.5 | 1403.613 | 1365.866 | 1231.719 | 918.127 | 455.753 | 223.928 | 131.825 | 85.599  | 65.506  |
| 37.0 | 1396.645 | 1357.155 | 1223.588 | 915.804 | 451.282 | 219.805 | 128.631 | 82.928  | 63.009  |
| 37.5 | 1389.676 | 1348.444 | 1215.458 | 911.739 | 445.533 | 215.681 | 125.379 | 80.372  | 60.744  |
| 38.0 | 1382.126 | 1339.153 | 1206.747 | 907.674 | 440.712 | 211.326 | 122.127 | 77.817  | 58.247  |
| 38.5 | 1373.416 | 1330.442 | 1197.456 | 903.609 | 435.370 | 207.261 | 119.049 | 75.320  | 55.982  |
| 39.0 | 1367.028 | 1321.731 | 1188.164 | 899.544 | 429.969 | 203.196 | 115.913 | 72.939  | 53.833  |
| 39.5 | 1360.059 | 1312.439 | 1178.873 | 894.898 | 425.265 | 199.305 | 112.951 | 70.558  | 51.685  |
| 40.0 | 1352.509 | 1303.148 | 1168.419 | 890.252 | 419.806 | 195.414 | 110.047 | 68.351  | 49.652  |
| 40.5 | 1344.960 | 1292.695 | 1158.547 | 885.606 | 414.928 | 191.407 | 107.144 | 66.087  | 47.561  |
| 41.0 | 1337.411 | 1283.403 | 1147.513 | 880.960 | 409.818 | 187.574 | 104.356 | 63.996  | 45.703  |
| 41.5 | 1329.861 | 1274.692 | 1138.222 | 876.315 | 404.301 | 183.742 | 101.627 | 62.021  | 43.903  |
| 42.0 | 1322.312 | 1265.401 | 1128.349 | 871.669 | 399.423 | 180.083 | 99.188  | 59.989  | 42.161  |
| 42.5 | 1315.343 | 1257.270 | 1118.477 | 867.023 | 394.196 | 176.482 | 96.749  | 58.131  | 40.593  |
| 43.0 | 1307.794 | 1249.140 | 1108.605 | 861.796 | 389.144 | 172.882 | 94.310  | 56.388  | 38.909  |
| 43.5 | 1301.406 | 1240.429 | 1098.152 | 855.989 | 384.324 | 169.398 | 91.929  | 54.588  | 37.399  |
| 44.0 | 1294.437 | 1232.299 | 1087.699 | 850.763 | 379.272 | 165.971 | 89.606  | 52.962  | 35.889  |
| 44.5 | 1288.630 | 1224.169 | 1077.826 | 845.536 | 374.626 | 162.545 | 87.457  | 51.336  | 34.495  |
| 45.0 | 1281.080 | 1216.039 | 1067.954 | 840.310 | 369.748 | 159.351 | 85.425  | 49.826  | 33.217  |
| 45.5 | 1274.692 | 1207.909 | 1057.501 | 834.502 | 365.276 | 155.983 | 83.218  | 48.316  | 31.882  |
| 46.0 | 1268.885 | 1200.359 | 1047.048 | 828.114 | 360.921 | 152.847 | 81.360  | 46.806  | 30.604  |
| 46.5 | 1261.916 | 1192.810 | 1036.595 | 822.307 | 356.449 | 149.711 | 79.269  | 45.413  | 29.443  |
| 47.0 | 1255.528 | 1185.260 | 1026.142 | 815.919 | 351.803 | 146.575 | 77.353  | 44.019  | 28.223  |
| 47.5 | 1249.721 | 1178.292 | 1016.269 | 810.112 | 346.867 | 143.613 | 75.552  | 42.683  | 27.120  |
| 48.0 | 1243.333 | 1169.581 | 1004.655 | 803.143 | 341.815 | 140.594 | 73.694  | 41.406  | 26.016  |
| 48.5 | 1235.784 | 1161.451 | 994.202  | 796.174 | 337.169 | 137.632 | 71.894  | 40.070  | 24.971  |
| 49.0 | 1228.815 | 1152.740 | 983.168  | 789.206 | 332.059 | 134.728 | 70.094  | 38.851  | 23.984  |
| 49.5 | 1221.265 | 1144.610 | 972.134  | 782.237 | 327.123 | 131.825 | 68.351  | 37.747  | 23.055  |
| 50.0 | 1214.297 | 1136.480 | 962.843  | 774.688 | 322.245 | 129.095 | 66.783  | 36.586  | 22.184  |
| 50.5 | 1206.747 | 1127.769 | 952.390  | 766.557 | 317.134 | 126.308 | 65.157  | 35.540  | 21.313  |
| 51.0 | 1198.617 | 1119.058 | 941.356  | 758.427 | 312.314 | 123.636 | 63.589  | 34.437  | 20.442  |
| 51.5 | 1191.068 | 1111.508 | 930.322  | 749.136 | 307.320 | 120.965 | 62.021  | 33.392  | 19.687  |
| 52.0 | 1184.099 | 1102.797 | 920.450  | 739.844 | 302.616 | 118.294 | 60.454  | 32.404  | 18.932  |
| 52.5 | 1177.130 | 1094.667 | 910.577  | 730.553 | 298.086 | 115.797 | 59.060  | 31.475  | 18.235  |
| 53.0 | 1170.162 | 1085.376 | 900.124  | 721.261 | 293.034 | 113.300 | 57.608  | 30.604  | 17.538  |
| 53.5 | 1163.193 | 1077.246 | 889.671  | 711.389 | 288.330 | 110.860 | 56.156  | 29.733  | 16.899  |
| 54.0 | 1155.063 | 1069.696 | 879.799  | 701.516 | 283.394 | 108.305 | 54.820  | 28.862  | 16.260  |
| 54.5 | 1148.094 | 1060.985 | 869.927  | 691.644 | 278.516 | 105.924 | 53.369  | 28.049  | 15.680  |

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**CANDELA TABULATION - (Cont.)**

|      |          |          |         |         |         |         |        |        |        |
|------|----------|----------|---------|---------|---------|---------|--------|--------|--------|
| 55.0 | 1140.545 | 1053.436 | 860.054 | 681.772 | 273.986 | 103.659 | 52.033 | 27.236 | 15.099 |
| 55.5 | 1132.414 | 1044.725 | 849.601 | 671.319 | 268.934 | 101.395 | 50.697 | 26.481 | 14.518 |
| 56.0 | 1125.446 | 1036.014 | 839.729 | 660.285 | 264.404 | 99.130  | 49.362 | 25.726 | 14.054 |
| 56.5 | 1117.316 | 1026.722 | 829.276 | 649.832 | 259.642 | 96.807  | 48.142 | 25.029 | 13.531 |
| 57.0 | 1109.185 | 1018.012 | 818.242 | 639.379 | 254.648 | 94.600  | 46.806 | 24.332 | 13.066 |
| 57.5 | 1102.217 | 1008.720 | 808.950 | 628.926 | 250.235 | 92.451  | 45.587 | 23.694 | 12.602 |
| 58.0 | 1093.506 | 999.428  | 798.497 | 617.892 | 245.240 | 90.361  | 44.425 | 23.055 | 12.195 |
| 58.5 | 1086.537 | 989.556  | 788.625 | 606.858 | 240.536 | 88.328  | 43.264 | 22.474 | 11.789 |
| 59.0 | 1079.568 | 980.845  | 778.753 | 596.405 | 235.833 | 86.354  | 42.219 | 21.835 | 11.382 |
| 59.5 | 1072.600 | 971.554  | 767.719 | 585.371 | 230.954 | 84.379  | 41.173 | 21.313 | 10.976 |
| 60.0 | 1069.115 | 962.843  | 757.847 | 574.337 | 226.657 | 82.463  | 40.070 | 20.732 | 10.627 |
| 60.5 | 1066.793 | 955.293  | 747.974 | 563.768 | 221.779 | 80.663  | 39.083 | 20.267 | 10.279 |
| 61.0 | 1066.212 | 947.163  | 737.521 | 553.257 | 217.249 | 78.804  | 38.096 | 19.745 | 9.988  |
| 61.5 | 1067.954 | 939.614  | 727.649 | 542.339 | 212.720 | 76.946  | 37.166 | 19.280 | 9.640  |
| 62.0 | 1068.535 | 933.806  | 717.777 | 531.538 | 207.842 | 75.146  | 36.179 | 18.757 | 9.350  |
| 62.5 | 1070.858 | 929.741  | 707.904 | 520.504 | 203.428 | 73.462  | 35.308 | 18.293 | 9.059  |
| 63.0 | 1073.180 | 927.418  | 697.451 | 509.877 | 198.840 | 71.720  | 34.495 | 17.886 | 8.769  |
| 63.5 | 1075.503 | 925.096  | 686.998 | 498.437 | 194.253 | 70.152  | 33.624 | 17.422 | 8.537  |
| 64.0 | 1074.923 | 923.353  | 676.545 | 487.403 | 189.781 | 68.468  | 32.811 | 17.015 | 8.246  |
| 64.5 | 1069.696 | 922.773  | 665.511 | 476.137 | 185.193 | 66.783  | 31.940 | 16.551 | 8.014  |
| 65.0 | 1059.243 | 921.030  | 655.058 | 465.219 | 180.838 | 65.157  | 31.069 | 16.144 | 7.782  |
| 65.5 | 1044.144 | 918.127  | 644.024 | 454.592 | 176.482 | 63.531  | 30.314 | 15.738 | 7.549  |
| 66.0 | 1028.465 | 909.997  | 634.152 | 443.906 | 172.069 | 61.963  | 29.559 | 15.331 | 7.317  |
| 66.5 | 1012.204 | 896.640  | 624.280 | 433.221 | 167.713 | 60.395  | 28.746 | 14.925 | 7.085  |
| 67.0 | 994.202  | 880.960  | 614.407 | 422.536 | 163.126 | 58.827  | 27.991 | 14.576 | 6.853  |
| 67.5 | 978.522  | 864.119  | 604.535 | 412.083 | 158.770 | 57.318  | 27.236 | 14.170 | 6.678  |
| 68.0 | 957.035  | 848.440  | 596.405 | 401.572 | 154.589 | 55.750  | 26.481 | 13.763 | 6.446  |
| 68.5 | 930.322  | 831.599  | 588.856 | 391.235 | 150.466 | 54.298  | 25.726 | 13.415 | 6.214  |
| 69.0 | 901.286  | 814.177  | 581.887 | 381.072 | 146.575 | 52.788  | 25.029 | 13.066 | 6.040  |
| 69.5 | 861.216  | 792.109  | 576.428 | 371.955 | 142.510 | 51.278  | 24.332 | 12.718 | 5.865  |
| 70.0 | 816.500  | 764.235  | 570.447 | 361.502 | 138.503 | 49.826  | 23.636 | 12.311 | 5.633  |
| 70.5 | 769.461  | 734.037  | 564.755 | 351.745 | 134.612 | 48.374  | 22.939 | 11.963 | 5.459  |
| 71.0 | 717.196  | 698.613  | 555.754 | 342.047 | 130.605 | 46.923  | 22.300 | 11.615 | 5.285  |
| 71.5 | 671.319  | 657.962  | 541.933 | 331.710 | 126.830 | 45.529  | 21.661 | 11.266 | 5.052  |
| 72.0 | 621.376  | 617.892  | 526.253 | 321.373 | 123.056 | 44.135  | 21.022 | 10.918 | 4.878  |
| 72.5 | 575.499  | 575.267  | 509.354 | 310.978 | 119.223 | 42.741  | 20.325 | 10.511 | 4.704  |
| 73.0 | 538.797  | 532.757  | 492.804 | 300.642 | 115.564 | 41.348  | 19.629 | 10.163 | 4.530  |
| 73.5 | 503.373  | 493.791  | 476.834 | 290.653 | 111.906 | 39.954  | 18.990 | 9.814  | 4.355  |
| 74.0 | 476.543  | 456.973  | 458.947 | 280.665 | 108.305 | 38.618  | 18.351 | 9.466  | 4.181  |
| 74.5 | 453.547  | 427.820  | 439.725 | 270.676 | 104.647 | 37.224  | 17.712 | 9.117  | 4.007  |
| 75.0 | 433.105  | 402.733  | 417.774 | 260.571 | 100.930 | 35.947  | 17.073 | 8.827  | 3.833  |
| 75.5 | 418.413  | 381.595  | 393.267 | 250.525 | 97.330  | 34.611  | 16.435 | 8.421  | 3.659  |
| 76.0 | 404.127  | 364.754  | 367.890 | 240.188 | 93.787  | 33.334  | 15.796 | 8.130  | 3.426  |
| 76.5 | 392.512  | 351.048  | 341.002 | 229.967 | 90.361  | 32.056  | 15.157 | 7.782  | 3.194  |
| 77.0 | 381.885  | 338.273  | 313.417 | 219.630 | 86.993  | 30.778  | 14.576 | 7.433  | 3.020  |
| 77.5 | 369.980  | 326.368  | 286.936 | 209.177 | 83.624  | 29.501  | 13.937 | 7.085  | 2.904  |
| 78.0 | 363.708  | 315.102  | 263.301 | 199.073 | 80.430  | 28.281  | 13.299 | 6.736  | 2.787  |
| 78.5 | 362.547  | 305.520  | 243.382 | 189.433 | 77.178  | 27.062  | 12.718 | 6.388  | 2.613  |
| 79.0 | 362.953  | 301.513  | 226.134 | 179.909 | 74.101  | 25.842  | 12.079 | 6.098  | 2.497  |
| 79.5 | 365.334  | 302.209  | 211.849 | 169.804 | 70.907  | 24.623  | 11.440 | 5.807  | 2.381  |
| 80.0 | 367.831  | 304.068  | 199.421 | 159.119 | 67.713  | 23.403  | 10.860 | 5.517  | 2.207  |
| 80.5 | 370.096  | 304.939  | 188.213 | 148.027 | 64.402  | 22.184  | 10.221 | 5.168  | 2.091  |
| 81.0 | 371.664  | 305.229  | 178.805 | 137.051 | 61.034  | 20.964  | 9.640  | 4.878  | 1.974  |
| 81.5 | 369.980  | 305.287  | 172.708 | 126.830 | 57.608  | 19.745  | 9.001  | 4.588  | 1.858  |
| 82.0 | 360.282  | 301.513  | 170.094 | 116.261 | 53.891  | 18.525  | 8.421  | 4.297  | 1.742  |
| 82.5 | 341.931  | 290.247  | 168.875 | 105.402 | 50.175  | 17.248  | 7.840  | 4.007  | 1.626  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RWG-4-L30-935-S-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|       |         |         |         |        |        |        |       |       |       |
|-------|---------|---------|---------|--------|--------|--------|-------|-------|-------|
| 83.0  | 320.909 | 272.360 | 167.365 | 94.426 | 46.458 | 16.028 | 7.259 | 3.717 | 1.510 |
| 83.5  | 302.326 | 254.880 | 164.578 | 84.263 | 42.799 | 14.808 | 6.678 | 3.426 | 1.452 |
| 84.0  | 282.929 | 238.155 | 158.190 | 75.436 | 39.141 | 13.589 | 6.098 | 3.136 | 1.336 |
| 84.5  | 265.682 | 221.779 | 148.433 | 67.945 | 35.540 | 12.369 | 5.517 | 2.846 | 1.278 |
| 85.0  | 247.737 | 205.635 | 136.703 | 61.615 | 31.998 | 11.150 | 4.936 | 2.613 | 1.161 |
| 85.5  | 231.651 | 190.594 | 124.508 | 55.750 | 28.456 | 9.988  | 4.355 | 2.323 | 1.103 |
| 86.0  | 212.836 | 173.347 | 112.777 | 50.000 | 24.971 | 8.769  | 3.775 | 2.033 | 0.987 |
| 86.5  | 186.819 | 151.802 | 100.233 | 44.251 | 21.545 | 7.549  | 3.252 | 1.800 | 0.929 |
| 87.0  | 161.616 | 128.050 | 86.818  | 37.805 | 18.002 | 6.330  | 2.671 | 1.510 | 0.813 |
| 87.5  | 133.102 | 103.369 | 71.952  | 30.778 | 14.518 | 5.110  | 2.149 | 1.278 | 0.755 |
| 88.0  | 103.311 | 77.120  | 54.820  | 23.519 | 11.034 | 3.949  | 1.684 | 1.045 | 0.697 |
| 88.5  | 74.101  | 48.665  | 36.411  | 15.912 | 7.549  | 2.787  | 1.161 | 0.813 | 0.639 |
| 89.0  | 36.992  | 18.525  | 17.886  | 8.885  | 4.181  | 1.684  | 0.813 | 0.639 | 0.523 |
| 89.5  | 10.105  | 2.904   | 5.401   | 4.239  | 2.265  | 0.929  | 0.581 | 0.523 | 0.523 |
| 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-L30-935-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-L30-935-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-L30-935-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-L30-935-S-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 258.56  | N.A.  | 10.50  |
| 0-30    | 587.22  | N.A.  | 23.90  |
| 0-40    | 997.75  | N.A.  | 40.60  |
| 0-60    | 1832.9  | N.A.  | 74.60  |
| 0-80    | 2384.33 | N.A.  | 97.00  |
| 0-90    | 2457.84 | N.A.  | 100.00 |
| 10-90   | 2395.66 | N.A.  | 97.50  |
| 20-40   | 739.19  | N.A.  | 30.10  |
| 20-50   | 1168.62 | N.A.  | 47.50  |
| 40-70   | 1185.37 | N.A.  | 48.20  |
| 60-80   | 551.43  | N.A.  | 22.40  |
| 70-80   | 201.21  | N.A.  | 8.20   |
| 80-90   | 73.51   | 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   | 2457.84 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 62.19  |
| 10-20   | 196.37 |
| 20-30   | 328.66 |
| 30-40   | 410.54 |
| 40-50   | 429.43 |
| 50-60   | 405.72 |
| 60-70   | 350.22 |
| 70-80   | 201.21 |
| 80-90   | 73.51  |
| 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-L30-935-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  | 67  | 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-L30-935-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 | 21.7 | 23.4 | 22.1 | 23.7 | 24.0 | 15.2 | 16.9 | 15.6 | 17.3 | 17.6 |
|      | 3H   | 24.7 | 26.2 | 25.1 | 26.5 | 26.9 | 16.5 | 18.1 | 16.9 | 18.4 | 18.8 |
|      | 4H   | 25.2 | 26.7 | 25.6 | 27.0 | 27.4 | 17.0 | 18.4 | 17.4 | 18.8 | 19.2 |
|      | 6H   | 25.7 | 27.1 | 26.2 | 27.5 | 27.9 | 17.3 | 18.7 | 17.7 | 19.1 | 19.4 |
|      | 8H   | 26.2 | 27.5 | 26.6 | 27.9 | 28.2 | 17.4 | 18.7 | 17.9 | 19.1 | 19.5 |
|      | 12H  | 26.5 | 27.8 | 27.0 | 28.2 | 28.6 | 17.5 | 18.8 | 18.0 | 19.2 | 19.6 |

UGR Viewed Endwise

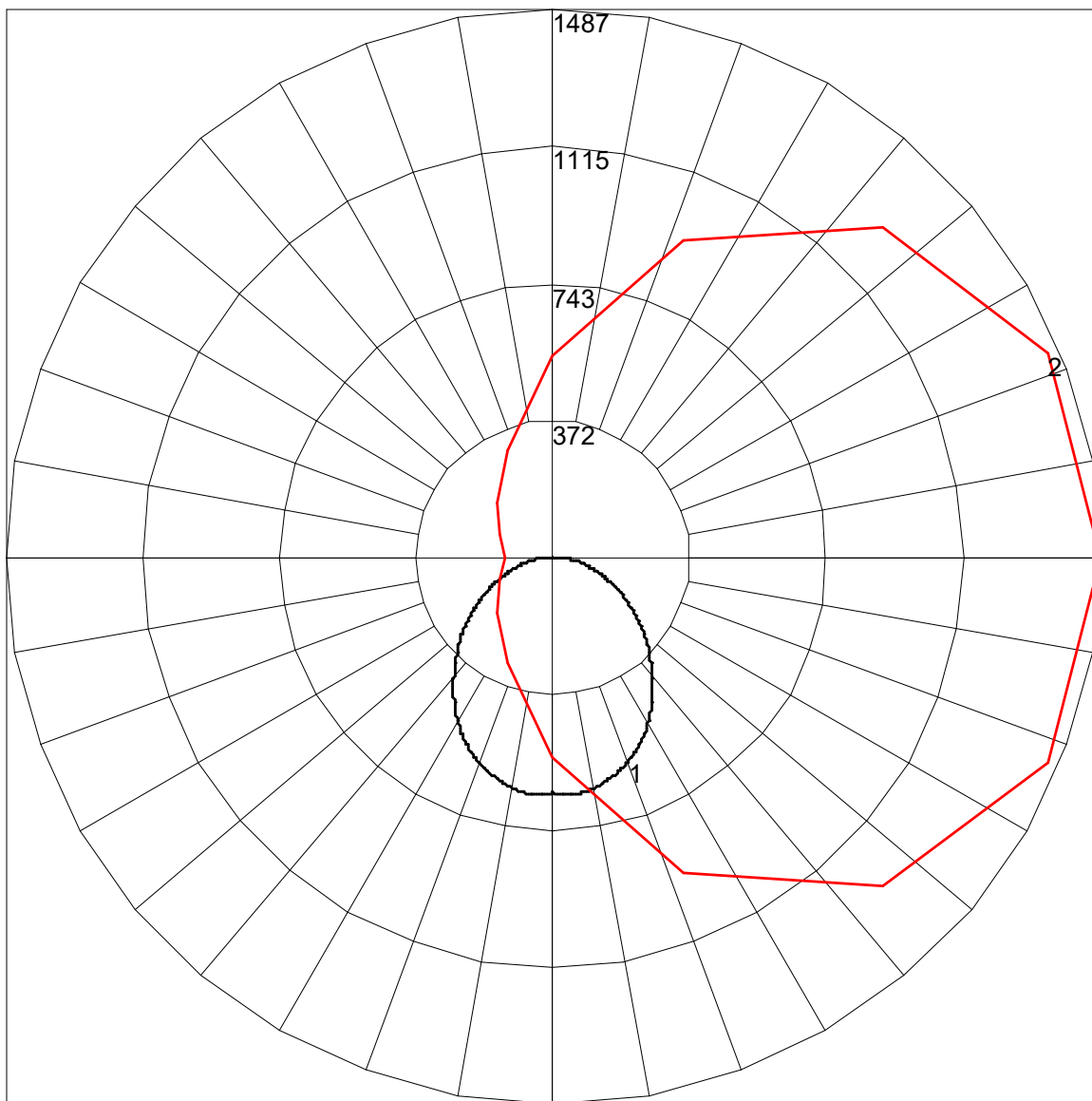
|    |     |      |      |      |      |      |      |      |      |      |      |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H  | 22.2 | 23.6 | 22.5 | 24.0 | 24.3 | 16.8 | 18.2 | 17.2 | 18.6 | 18.9 |
|    | 3H  | 25.3 | 26.6 | 25.7 | 27.0 | 27.4 | 18.5 | 19.7 | 18.9 | 20.1 | 20.5 |
|    | 4H  | 26.0 | 27.1 | 26.4 | 27.5 | 27.9 | 19.1 | 20.2 | 19.5 | 20.6 | 21.1 |
|    | 6H  | 26.7 | 27.7 | 27.1 | 28.1 | 28.6 | 19.5 | 20.5 | 20.0 | 21.0 | 21.4 |
|    | 8H  | 27.2 | 28.1 | 27.7 | 28.6 | 29.0 | 19.7 | 20.6 | 20.1 | 21.0 | 21.5 |
|    | 12H | 27.7 | 28.5 | 28.2 | 29.0 | 29.5 | 19.8 | 20.6 | 20.2 | 21.1 | 21.5 |

|    |     |      |      |      |      |      |      |      |      |      |      |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H  | 26.2 | 27.1 | 26.6 | 27.5 | 28.0 | 20.0 | 20.9 | 20.5 | 21.4 | 21.8 |
|    | 6H  | 27.0 | 27.8 | 27.5 | 28.3 | 28.7 | 20.6 | 21.4 | 21.1 | 21.9 | 22.3 |
|    | 8H  | 27.7 | 28.4 | 28.2 | 28.9 | 29.4 | 20.8 | 21.5 | 21.3 | 22.0 | 22.5 |
|    | 12H | 28.4 | 29.0 | 28.9 | 29.5 | 30.0 | 20.9 | 21.5 | 21.4 | 22.0 | 22.6 |

|     |    |      |      |      |      |      |      |      |      |      |      |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 26.2 | 27.0 | 26.7 | 27.5 | 27.9 | 20.2 | 21.0 | 20.6 | 21.5 | 21.9 |
|     | 6H | 27.1 | 27.7 | 27.6 | 28.2 | 28.7 | 20.8 | 21.5 | 21.3 | 22.0 | 22.5 |
|     | 8H | 27.8 | 28.4 | 28.3 | 28.9 | 29.5 | 21.1 | 21.7 | 21.6 | 22.2 | 22.8 |

Maximum UGR = 30.0

POLAR GRAPH



Maximum Candela = 1486.657 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.)