

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00671 ~ ON2412GV-27L35K-EX-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00671\_M-27L  
[TESTLAB] Spectrum Photometric Lab VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUEDATE] 4/20/2018  
[UPDATE] 5/24/2018  
[LUMCAT] ON2412GV-27L-35K-EX-MWI  
[LUMINAIRE] Nom. 24" diam x 11.4" H, Orion luminaire  
[OTHER] Regressed, 11" diam. frosted glass globe  
[OTHER] Reflector: Matte White interior finish  
[LAMP] N/A, Gen3  
[LAMPCAT] N/A  
[OTHER] Total Luminaire Watts is approximate  
[OTHER] CCT Multipliers: 27K x 0.971, 30K x 0.985, 40K x 1.03  
[OTHER] This report generated by Spectrum Lighting, scaled from 55L  
[\_CRI]85+

**CHARACTERISTICS**

|                                 |                    |
|---------------------------------|--------------------|
| Lumens Per Lamp                 | N.A. (absolute)    |
| Total Lamp Lumens               | N.A. (absolute)    |
| Luminaire Lumens                | 1843               |
| Total Luminaire Efficiency      | N.A.               |
| Luminaire Efficacy Rating (LER) | 102                |
| Total Luminaire Watts           | 18                 |
| Ballast Factor                  | 1.00               |
| CIE Type                        | Direct             |
| Spacing Criterion (0-180)       | 1.30               |
| Spacing Criterion (90-270)      | 1.28               |
| Spacing Criterion (Diagonal)    | 1.42               |
| Basic Luminous Shape            | Circular           |
| Luminous Length (0-180)         | 2.00 ft (Diameter) |
| Luminous Width (90-270)         | 2.00 ft (Diameter) |
| Luminous Height                 | 0.00 ft            |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00671 ~ ON2412GV-27L35K-EX-MWI.IES****LUMINANCE DATA (cd/sq.m)**

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 2541             | 2538              | 2538              |
| 55                  | 1838             | 1844              | 1872              |
| 65                  | 1070             | 1059              | 1076              |
| 75                  | 793              | 778               | 781               |
| 85                  | 556              | 540               | 600               |

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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> | <u>202.5</u> |
|-------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| 0.0   | 755.541    | 755.541     | 755.541     | 755.541     | 755.541     | 755.541      | 755.541      | 755.541      | 755.541      | 755.541      |
| 2.5   | 753.525    | 753.883     | 753.068     | 753.353     | 753.807     | 753.462      | 755.108      | 755.151      | 755.823      | 755.710      |
| 5.0   | 749.422    | 749.604     | 749.586     | 749.374     | 750.464     | 749.057      | 750.982      | 751.391      | 752.965      | 753.692      |
| 7.5   | 744.275    | 744.136     | 743.915     | 744.540     | 745.743     | 742.757      | 744.698      | 744.963      | 748.490      | 750.112      |
| 10.0  | 737.033    | 737.592     | 737.205     | 738.398     | 738.936     | 734.863      | 736.157      | 736.866      | 741.618      | 743.469      |
| 12.5  | 728.894    | 729.873     | 729.185     | 731.156     | 731.110     | 725.968      | 726.715      | 726.835      | 732.888      | 734.592      |
| 15.0  | 720.237    | 721.236     | 720.011     | 722.468     | 721.687     | 715.213      | 716.459      | 715.835      | 721.790      | 724.091      |
| 17.5  | 711.392    | 711.531     | 709.563     | 712.489     | 711.606     | 703.427      | 704.796      | 703.852      | 710.080      | 712.557      |
| 20.0  | 700.712    | 701.084     | 698.775     | 701.005     | 700.196     | 691.597      | 692.021      | 691.456      | 697.680      | 700.051      |
| 22.5  | 689.472    | 689.632     | 687.659     | 688.854     | 688.312     | 679.746      | 678.740      | 678.692      | 683.974      | 687.008      |
| 25.0  | 677.125    | 677.584     | 675.231     | 676.030     | 674.803     | 666.061      | 665.111      | 664.193      | 668.991      | 672.751      |
| 27.5  | 664.506    | 664.225     | 661.706     | 662.502     | 660.820     | 651.651      | 650.515      | 648.363      | 654.289      | 657.925      |
| 30.0  | 650.112    | 650.203     | 647.238     | 648.361     | 646.285     | 636.259      | 635.349      | 633.317      | 639.825      | 642.817      |
| 32.5  | 635.368    | 634.797     | 632.081     | 633.349     | 631.622     | 620.533      | 619.488      | 618.793      | 624.387      | 627.596      |
| 35.0  | 618.570    | 618.778     | 615.116     | 617.665     | 614.547     | 603.445      | 603.267      | 602.005      | 608.218      | 611.294      |
| 37.5  | 601.461    | 600.473     | 596.999     | 600.073     | 597.013     | 585.980      | 584.713      | 583.899      | 590.050      | 594.628      |
| 40.0  | 580.611    | 581.324     | 576.994     | 581.216     | 576.606     | 564.946      | 565.133      | 562.425      | 570.595      | 573.711      |
| 42.5  | 559.371    | 557.222     | 555.962     | 557.833     | 555.795     | 543.126      | 540.009      | 539.285      | 544.836      | 551.621      |
| 45.0  | 524.983    | 531.614     | 524.338     | 531.838     | 524.290     | 507.290      | 512.845      | 503.700      | 515.610      | 515.482      |
| 47.5  | 489.734    | 488.446     | 487.741     | 491.454     | 491.770     | 468.958      | 466.979      | 462.833      | 470.129      | 476.189      |
| 50.0  | 431.208    | 440.787     | 433.373     | 443.898     | 435.597     | 410.490      | 415.225      | 404.701      | 416.806      | 416.131      |
| 52.5  | 371.962    | 377.714     | 371.872     | 382.790     | 377.992     | 349.419      | 352.354      | 340.348      | 354.335      | 352.400      |
| 55.0  | 307.961    | 311.551     | 309.008     | 315.984     | 313.665     | 288.509      | 286.654      | 280.647      | 288.150      | 289.975      |
| 57.5  | 244.731    | 255.857     | 245.690     | 258.497     | 249.446     | 227.614      | 234.113      | 222.323      | 235.115      | 227.717      |
| 60.0  | 201.196    | 201.781     | 199.798     | 204.333     | 204.636     | 186.395      | 184.194      | 180.900      | 186.598      | 186.590      |
| 62.5  | 158.923    | 166.287     | 158.728     | 166.120     | 160.629     | 146.176      | 151.195      | 143.669      | 151.949      | 147.405      |
| 65.0  | 132.095    | 132.877     | 130.718     | 132.668     | 132.898     | 121.719      | 120.874      | 118.999      | 121.273      | 122.633      |
| 67.5  | 106.840    | 110.442     | 105.569     | 109.789     | 106.661     | 98.145       | 100.333      | 96.695       | 100.631      | 99.065       |
| 70.0  | 88.940     | 89.278      | 87.231      | 89.119      | 88.931      | 81.414       | 81.241       | 79.947       | 82.002       | 83.298       |
| 72.5  | 73.081     | 73.142      | 70.647      | 73.406      | 72.816      | 66.617       | 67.447       | 64.741       | 67.589       | 68.171       |
| 75.0  | 59.934     | 59.622      | 58.809      | 59.693      | 59.036      | 55.295       | 55.225       | 53.802       | 54.759       | 54.355       |
| 77.5  | 48.211     | 48.661      | 47.472      | 48.938      | 47.633      | 42.959       | 44.703       | 42.701       | 44.217       | 43.309       |
| 80.0  | 37.051     | 37.421      | 36.278      | 37.254      | 37.050      | 31.803       | 33.082       | 31.638       | 32.191       | 32.695       |
| 82.5  | 25.792     | 25.362      | 24.932      | 25.628      | 26.501      | 21.857       | 21.636       | 20.493       | 20.756       | 21.375       |
| 85.0  | 14.166     | 14.097      | 13.752      | 14.727      | 15.286      | 10.691       | 10.433       | 8.640        | 9.522        | 9.833        |
| 87.5  | 4.200      | 3.608       | 3.717       | 4.296       | 5.042       | 2.078        | 1.753        | 1.562        | 1.358        | 1.785        |
| 90.0  | 0.671      | 0.305       | 0.521       | 0.393       | 0.419       | 0.576        | 0.284        | 0.585        | 0.406        | 0.443        |
| 92.5  | 0.000      | 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        | 0.000        |
| 97.5  | 0.000      | 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        | 0.000        |
| 102.5 | 0.000      | 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        | 0.000        |
| 107.5 | 0.000      | 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        | 0.000        |
| 112.5 | 0.000      | 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        | 0.000        |
| 117.5 | 0.000      | 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        | 0.000        |
| 122.5 | 0.000      | 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        | 0.000        |

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**CANDELA TABULATION - (Cont.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 127.5 | 0.000 | 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 | 0.000 |
| 132.5 | 0.000 | 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 | 0.000 |
| 137.5 | 0.000 | 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 | 0.000 |
| 142.5 | 0.000 | 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 | 0.000 |
| 147.5 | 0.000 | 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 | 0.000 |
| 152.5 | 0.000 | 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 | 0.000 |
| 157.5 | 0.000 | 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 | 0.000 |
| 162.5 | 0.000 | 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 | 0.000 |
| 167.5 | 0.000 | 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 | 0.000 |
| 172.5 | 0.000 | 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 | 0.000 |
| 177.5 | 0.000 | 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 | 0.000 |

**Vert.      Horizontal Angles**  
**Angles**

|      | <u>225.0</u> | <u>247.5</u> | <u>270.0</u> | <u>292.5</u> | <u>315.0</u> | <u>337.5</u> | <u>360.0</u> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 755.541      | 755.541      | 755.541      | 755.541      | 755.541      | 755.541      | 755.541      |
| 2.5  | 755.092      | 754.227      | 753.972      | 755.168      | 754.983      | 755.084      | 753.525      |
| 5.0  | 753.948      | 751.254      | 750.530      | 752.753      | 751.276      | 750.899      | 749.422      |
| 7.5  | 749.714      | 746.985      | 745.729      | 748.018      | 745.805      | 745.334      | 744.275      |
| 10.0 | 743.893      | 740.383      | 739.136      | 740.860      | 738.526      | 738.990      | 737.033      |
| 12.5 | 735.992      | 732.814      | 730.969      | 732.661      | 730.107      | 730.539      | 728.894      |
| 15.0 | 727.188      | 722.684      | 720.989      | 723.523      | 720.462      | 721.079      | 720.237      |
| 17.5 | 715.540      | 711.672      | 710.106      | 712.886      | 710.146      | 711.341      | 711.392      |
| 20.0 | 702.823      | 700.099      | 698.312      | 701.066      | 699.798      | 701.488      | 700.712      |
| 22.5 | 690.062      | 688.361      | 685.913      | 689.097      | 689.436      | 690.959      | 689.472      |
| 25.0 | 677.287      | 674.606      | 672.985      | 677.027      | 677.022      | 680.194      | 677.125      |
| 27.5 | 662.369      | 660.379      | 659.062      | 664.602      | 663.798      | 667.838      | 664.506      |
| 30.0 | 646.917      | 645.761      | 644.380      | 651.967      | 651.073      | 655.029      | 650.112      |
| 32.5 | 631.595      | 631.072      | 629.019      | 636.989      | 638.514      | 640.269      | 635.368      |
| 35.0 | 616.300      | 613.591      | 613.205      | 620.812      | 622.161      | 625.047      | 618.570      |
| 37.5 | 598.537      | 595.713      | 595.034      | 603.375      | 604.755      | 607.081      | 601.461      |
| 40.0 | 580.393      | 574.841      | 575.520      | 585.384      | 584.536      | 588.611      | 580.611      |
| 42.5 | 554.237      | 553.682      | 549.168      | 560.965      | 563.697      | 564.141      | 559.371      |
| 45.0 | 527.220      | 515.526      | 519.449      | 534.182      | 529.444      | 538.866      | 524.983      |
| 47.5 | 478.511      | 476.395      | 471.054      | 489.480      | 492.804      | 494.331      | 489.734      |
| 50.0 | 428.232      | 412.720      | 414.776      | 439.136      | 433.923      | 447.915      | 431.208      |
| 52.5 | 360.733      | 348.533      | 350.855      | 375.014      | 372.167      | 382.938      | 371.962      |
| 55.0 | 292.718      | 285.675      | 284.247      | 307.388      | 308.677      | 316.936      | 307.961      |
| 57.5 | 239.577      | 223.932      | 232.399      | 251.951      | 245.040      | 259.736      | 244.731      |
| 60.0 | 187.174      | 184.108      | 184.887      | 198.942      | 200.663      | 202.985      | 201.196      |
| 62.5 | 154.965      | 145.592      | 151.315      | 163.403      | 157.264      | 168.272      | 158.923      |
| 65.0 | 123.736      | 121.613      | 121.098      | 130.629      | 131.755      | 134.429      | 132.095      |

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**CANDELA TABULATION - (Cont.)**

|       |         |        |         |         |         |         |         |
|-------|---------|--------|---------|---------|---------|---------|---------|
| 67.5  | 102.121 | 98.794 | 100.420 | 108.612 | 107.119 | 111.845 | 106.840 |
| 70.0  | 82.383  | 81.170 | 81.443  | 88.029  | 89.038  | 90.708  | 88.940  |
| 72.5  | 67.956  | 66.128 | 67.346  | 71.990  | 72.756  | 74.102  | 73.081  |
| 75.0  | 55.539  | 54.389 | 54.361  | 58.656  | 59.707  | 60.446  | 59.934  |
| 77.5  | 44.369  | 43.468 | 42.843  | 48.252  | 47.597  | 48.917  | 48.211  |
| 80.0  | 33.029  | 32.166 | 31.687  | 36.289  | 36.213  | 38.141  | 37.051  |
| 82.5  | 21.497  | 20.345 | 20.208  | 25.040  | 25.289  | 27.294  | 25.792  |
| 85.0  | 9.536   | 8.943  | 9.551   | 13.636  | 13.838  | 15.192  | 14.166  |
| 87.5  | 1.408   | 1.327  | 1.269   | 3.122   | 3.827   | 4.652   | 4.200   |
| 90.0  | 0.258   | 0.344  | 0.228   | 0.310   | 0.417   | 0.341   | 0.671   |
| 92.5  | 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   |
| 97.5  | 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   |
| 102.5 | 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   |
| 107.5 | 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   |
| 112.5 | 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   |
| 117.5 | 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   |
| 122.5 | 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   |
| 127.5 | 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   |
| 132.5 | 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   |
| 137.5 | 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   |
| 142.5 | 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   |
| 147.5 | 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   |
| 152.5 | 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   |
| 157.5 | 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   |
| 162.5 | 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   |
| 167.5 | 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   |
| 172.5 | 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   |
| 177.5 | 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   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SP-00671 ~ ON2412GV-27L35K-EX-MWI.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 274.86  | N.A.  | 14.90  |
| 0-30    | 585.63  | N.A.  | 31.80  |
| 0-40    | 969.79  | N.A.  | 52.60  |
| 0-60    | 1636.92 | N.A.  | 88.80  |
| 0-80    | 1828.13 | N.A.  | 99.20  |
| 0-90    | 1843.27 | N.A.  | 100.00 |
| 10-90   | 1771.96 | N.A.  | 96.10  |
| 20-40   | 694.92  | N.A.  | 37.70  |
| 20-50   | 1091.82 | N.A.  | 59.20  |
| 40-70   | 796.96  | N.A.  | 43.20  |
| 60-80   | 191.21  | N.A.  | 10.40  |
| 70-80   | 61.38   | N.A.  | 3.30   |
| 80-90   | 15.14   | N.A.  | 0.80   |
| 90-110  | 0.06    | N.A.  | 0.00   |
| 90-120  | 0.06    | N.A.  | 0.00   |
| 90-130  | 0.06    | N.A.  | 0.00   |
| 90-150  | 0.06    | N.A.  | 0.00   |
| 90-180  | 0.06    | N.A.  | 0.00   |
| 110-180 | 0.00    | N.A.  | 0.00   |
| 0-180   | 1843.33 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 71.31  |
| 10-20   | 203.55 |
| 20-30   | 310.76 |
| 30-40   | 384.16 |
| 40-50   | 396.90 |
| 50-60   | 270.23 |
| 60-70   | 129.83 |
| 70-80   | 61.38  |
| 80-90   | 15.14  |
| 90-100  | 0.06   |
| 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 : SP-00671 ~ ON2412GV-27L35K-EX-MWI.IES**

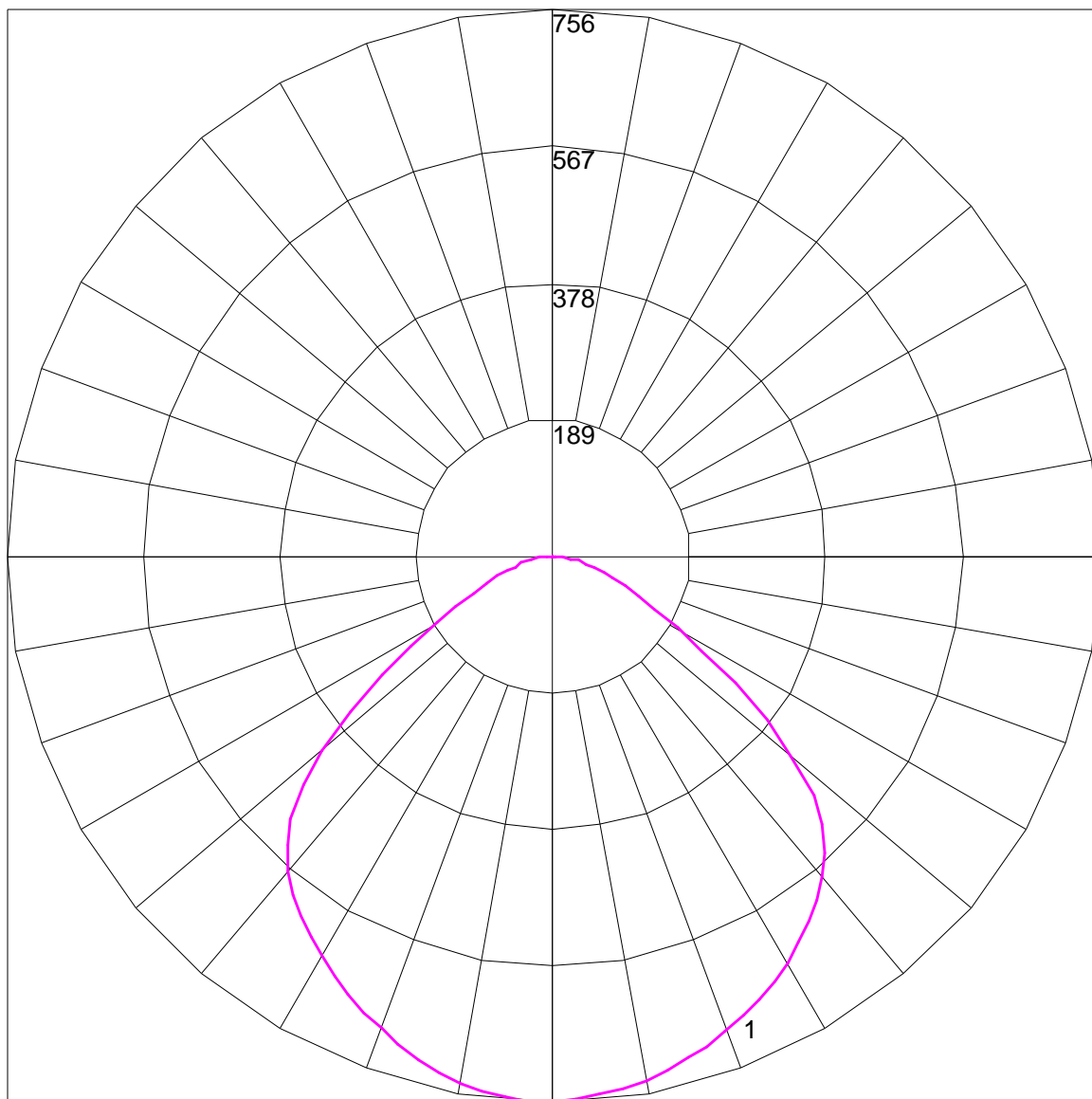
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

| RC | 80  |     |     |     | 70  |     |     |     | 50  |     |     | 30  |     |     | 10  |     |     | 0   |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RW | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| 0  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1  | 110 | 106 | 103 | 99  | 108 | 104 | 101 | 98  | 100 | 97  | 95  | 96  | 94  | 92  | 92  | 91  | 89  | 87  |
| 2  | 101 | 94  | 88  | 83  | 99  | 92  | 87  | 82  | 89  | 84  | 80  | 86  | 82  | 78  | 83  | 80  | 77  | 75  |
| 3  | 93  | 84  | 76  | 71  | 91  | 82  | 75  | 70  | 79  | 74  | 69  | 77  | 72  | 68  | 74  | 70  | 66  | 64  |
| 4  | 86  | 75  | 67  | 61  | 84  | 74  | 66  | 60  | 71  | 65  | 60  | 69  | 63  | 59  | 67  | 62  | 58  | 56  |
| 5  | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 49  |
| 6  | 73  | 61  | 53  | 47  | 72  | 60  | 52  | 46  | 58  | 51  | 46  | 57  | 50  | 46  | 55  | 50  | 45  | 43  |
| 7  | 68  | 55  | 47  | 41  | 67  | 55  | 47  | 41  | 53  | 46  | 41  | 52  | 45  | 41  | 50  | 45  | 40  | 38  |
| 8  | 64  | 51  | 43  | 37  | 62  | 50  | 42  | 37  | 49  | 42  | 37  | 47  | 41  | 36  | 46  | 41  | 36  | 34  |
| 9  | 59  | 47  | 39  | 33  | 58  | 46  | 38  | 33  | 45  | 38  | 33  | 44  | 37  | 33  | 43  | 37  | 33  | 31  |
| 10 | 56  | 43  | 35  | 30  | 54  | 42  | 35  | 30  | 41  | 35  | 30  | 41  | 34  | 30  | 40  | 34  | 30  | 28  |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP-00671 ~ ON2412GV-27L35K-EX-MWI.IES

POLAR GRAPH



Maximum Candela = 755.823 Located At Horizontal Angle = 180, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)