



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : QDF-22-LED35-MO-FWA-D9.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] QDF-22-LED35-MO-FWA-D9

[TESTLAB] Intertek

[ISSUE DATE] August 3, 2017

[MANUFAC] Prudential Lighting

### CHARACTERISTICS

|                                 |                     |
|---------------------------------|---------------------|
| Lumens Per Lamp                 | N.A. (absolute)     |
| Total Lamp Lumens               | N.A. (absolute)     |
| Luminaire Lumens                | 3232                |
| Total Luminaire Efficiency      | N.A.                |
| Luminaire Efficacy Rating (LER) | 67                  |
| Total Luminaire Watts           | 48                  |
| Ballast Factor                  | 1.00                |
| CIE Type                        | Semi-Direct         |
| Spacing Criterion (0-180)       | 1.26                |
| Spacing Criterion (90-270)      | 1.26                |
| Spacing Criterion (Diagonal)    | 1.38                |
| Basic Luminous Shape            | Rectangular w/Sides |
| Luminous Length (0-180)         | 2.21 ft             |
| Luminous Width (90-270)         | 2.21 ft             |
| Luminous Height                 | 0.42 ft             |

### LUMINANCE DATA (cd/sq.m)

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 1381             | 1290              | 1371              |
| 55                  | 1241             | 1134              | 1232              |
| 65                  | 1064             | 937               | 1054              |
| 75                  | 796              | 669               | 784               |
| 85                  | 338              | 258               | 325               |

**IES INDOOR REPORT**  
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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> |
|--------------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| <b>0.0</b>   | 800.296    | 800.296     | 800.296     | 800.296     | 800.296     | 800.296      | 800.296      | 800.296      | 800.296      | 800.296      |
| <b>2.5</b>   | 798.325    | 799.124     | 799.856     | 799.228     | 798.795     | 799.228      | 799.856      | 799.124      | 798.325      | 799.124      |
| <b>5.0</b>   | 796.257    | 795.928     | 796.666     | 795.946     | 795.654     | 795.946      | 796.666      | 795.928      | 796.257      | 795.928      |
| <b>7.5</b>   | 790.487    | 791.097     | 791.926     | 790.816     | 790.682     | 790.816      | 791.926      | 791.097      | 790.487      | 791.097      |
| <b>10.0</b>  | 783.393    | 784.057     | 784.564     | 784.051     | 783.161     | 784.051      | 784.564      | 784.057      | 783.393      | 784.057      |
| <b>12.5</b>  | 775.359    | 775.432     | 775.707     | 774.956     | 774.816     | 774.956      | 775.707      | 775.432      | 775.359      | 775.432      |
| <b>15.0</b>  | 765.300    | 765.007     | 765.166     | 764.635     | 764.306     | 764.635      | 765.166      | 765.007      | 765.300      | 765.007      |
| <b>17.5</b>  | 752.825    | 753.057     | 753.362     | 752.801     | 752.490     | 752.801      | 753.362      | 753.057      | 752.825      | 753.057      |
| <b>20.0</b>  | 739.064    | 739.369     | 739.710     | 738.911     | 737.893     | 738.911      | 739.710      | 739.369      | 739.064      | 739.369      |
| <b>22.5</b>  | 723.625    | 724.210     | 723.844     | 723.003     | 722.441     | 723.003      | 723.844      | 724.210      | 723.625      | 724.210      |
| <b>25.0</b>  | 707.814    | 707.515     | 707.283     | 706.569     | 705.892     | 706.569      | 707.283      | 707.515      | 707.814      | 707.515      |
| <b>27.5</b>  | 690.050    | 689.062     | 689.385     | 688.452     | 687.153     | 688.452      | 689.385      | 689.062      | 690.050      | 689.062      |
| <b>30.0</b>  | 670.536    | 670.152     | 669.579     | 668.456     | 667.242     | 668.456      | 669.579      | 670.152      | 670.536      | 670.152      |
| <b>32.5</b>  | 650.095    | 649.552     | 648.619     | 647.765     | 646.893     | 647.765      | 648.619      | 649.552      | 650.095      | 649.552      |
| <b>35.0</b>  | 627.788    | 626.677     | 626.446     | 625.128     | 624.384     | 625.128      | 626.446      | 626.677      | 627.788      | 626.677      |
| <b>37.5</b>  | 604.345    | 603.394     | 602.137     | 601.192     | 600.234     | 601.192      | 602.137      | 603.394      | 604.345      | 603.394      |
| <b>40.0</b>  | 578.744    | 578.158     | 576.779     | 576.157     | 575.413     | 576.157      | 576.779      | 578.158      | 578.744      | 578.158      |
| <b>42.5</b>  | 552.867    | 552.203     | 551.062     | 550.287     | 549.421     | 550.287      | 551.062      | 552.203      | 552.867      | 552.203      |
| <b>45.0</b>  | 526.467    | 525.777     | 524.216     | 523.160     | 522.636     | 523.160      | 524.216      | 525.777      | 526.467      | 525.777      |
| <b>47.5</b>  | 499.608    | 498.035     | 495.820     | 495.119     | 495.265     | 495.119      | 495.820      | 498.035      | 499.608      | 498.035      |
| <b>50.0</b>  | 470.554    | 469.133     | 466.925     | 466.522     | 466.138     | 466.522      | 466.925      | 469.133      | 470.554      | 469.133      |
| <b>52.5</b>  | 440.743    | 438.956     | 437.455     | 437.358     | 437.169     | 437.358      | 437.455      | 438.956      | 440.743      | 438.956      |
| <b>55.0</b>  | 409.932    | 408.981     | 407.413     | 406.821     | 406.663     | 406.821      | 407.413      | 408.981      | 409.932      | 408.981      |
| <b>57.5</b>  | 380.323    | 378.700     | 376.791     | 376.358     | 376.681     | 376.358      | 376.791      | 378.700      | 380.323      | 378.700      |
| <b>60.0</b>  | 349.981    | 348.048     | 345.425     | 345.284     | 346.279     | 345.284      | 345.425      | 348.048      | 349.981      | 348.048      |
| <b>62.5</b>  | 318.634    | 315.950     | 314.211     | 313.863     | 315.138     | 313.863      | 314.211      | 315.950      | 318.634      | 315.950      |
| <b>65.0</b>  | 286.358    | 283.827     | 282.271     | 282.881     | 283.723     | 282.881      | 282.271      | 283.827      | 286.358      | 283.827      |
| <b>67.5</b>  | 254.364    | 251.631     | 250.576     | 250.448     | 252.137     | 250.448      | 250.576      | 251.631      | 254.364      | 251.631      |
| <b>70.0</b>  | 222.388    | 220.216     | 218.813     | 218.508     | 220.112     | 218.508      | 218.813      | 220.216      | 222.388      | 220.216      |
| <b>72.5</b>  | 189.930    | 187.984     | 187.026     | 187.172     | 187.026     | 187.172      | 187.026      | 187.984      | 189.930      | 187.984      |
| <b>75.0</b>  | 159.259    | 157.221     | 156.599     | 156.239     | 156.862     | 156.239      | 156.599      | 157.221      | 159.259      | 157.221      |
| <b>77.5</b>  | 128.863    | 126.984     | 126.374     | 125.520     | 126.337     | 125.520      | 126.374      | 126.984      | 128.863      | 126.984      |
| <b>80.0</b>  | 99.509     | 98.369      | 97.210      | 97.008      | 96.478      | 97.008       | 97.210       | 98.369       | 99.509       | 98.369       |
| <b>82.5</b>  | 70.382     | 69.290      | 68.808      | 68.168      | 68.649      | 68.168       | 68.808       | 69.290       | 70.382       | 69.290       |
| <b>85.0</b>  | 42.151     | 41.114      | 41.346      | 40.992      | 40.577      | 40.992       | 41.346       | 41.114       | 42.151       | 41.114       |
| <b>87.5</b>  | 17.977     | 16.226      | 14.841      | 16.055      | 16.684      | 16.055       | 14.841       | 16.226       | 17.977       | 16.226       |
| <b>90.0</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>92.5</b>  | 5.948      | 6.527       | 6.826       | 7.052       | 6.753       | 7.052        | 6.826        | 6.527        | 5.948        | 6.527        |
| <b>95.0</b>  | 12.597     | 12.871      | 13.408      | 13.335      | 13.365      | 13.335       | 13.408       | 12.871       | 12.597       | 12.871       |
| <b>97.5</b>  | 20.917     | 20.819      | 21.149      | 21.021      | 21.673      | 21.021       | 21.149       | 20.819       | 20.917       | 20.819       |
| <b>100.0</b> | 30.415     | 30.482      | 31.330      | 31.220      | 30.720      | 31.220       | 31.330       | 30.482       | 30.415       | 30.482       |
| <b>102.5</b> | 41.419     | 41.352      | 42.249      | 41.626      | 41.663      | 41.626       | 42.249       | 41.352       | 41.419       | 41.352       |
| <b>105.0</b> | 53.070     | 52.838      | 53.839      | 53.320      | 53.351      | 53.320       | 53.839       | 52.838       | 53.070       | 52.838       |
| <b>107.5</b> | 64.666     | 65.630      | 65.843      | 66.026      | 65.642      | 66.026       | 65.843       | 65.630       | 64.666       | 65.630       |
| <b>110.0</b> | 78.397     | 78.403      | 78.721      | 79.178      | 78.629      | 79.178       | 78.721       | 78.403       | 78.397       | 78.403       |
| <b>112.5</b> | 91.482     | 91.683      | 92.287      | 92.391      | 91.744      | 92.391       | 92.287       | 91.683       | 91.482       | 91.683       |
| <b>115.0</b> | 104.890    | 105.030     | 105.536     | 105.768     | 105.414     | 105.768      | 105.536      | 105.030      | 104.890      | 105.030      |
| <b>117.5</b> | 118.364    | 119.035     | 118.932     | 119.578     | 119.279     | 119.578      | 118.932      | 119.035      | 118.364      | 119.035      |
| <b>120.0</b> | 132.327    | 133.255     | 133.334     | 133.804     | 133.041     | 133.804      | 133.334      | 133.255      | 132.327      | 133.255      |
| <b>122.5</b> | 148.126    | 147.248     | 147.895     | 147.504     | 147.315     | 147.504      | 147.895      | 147.248      | 148.126      | 147.248      |
| <b>125.0</b> | 162.187    | 162.181     | 162.638     | 162.833     | 162.327     | 162.833      | 162.638      | 162.181      | 162.187      | 162.181      |
| <b>127.5</b> | 176.205    | 176.674     | 177.571     | 177.309     | 176.607     | 177.309      | 177.571      | 176.674      | 176.205      | 176.674      |
| <b>130.0</b> | 190.747    | 191.827     | 192.431     | 192.223     | 191.906     | 192.223      | 192.431      | 191.827      | 190.747      | 191.827      |
| <b>132.5</b> | 206.101    | 206.680     | 207.528     | 207.327     | 206.851     | 207.327      | 207.528      | 206.680      | 206.101      | 206.680      |

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**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 135.0 | 220.924 | 221.637 | 222.613 | 222.077 | 222.339 | 222.077 | 222.613 | 221.637 | 220.924 | 221.637 |
| 137.5 | 236.729 | 236.979 | 237.522 | 236.784 | 237.077 | 236.784 | 237.522 | 236.979 | 236.729 | 236.979 |
| 140.0 | 251.521 | 251.918 | 253.107 | 251.649 | 252.327 | 251.649 | 253.107 | 251.918 | 251.521 | 251.918 |
| 142.5 | 265.734 | 266.369 | 267.619 | 265.936 | 266.186 | 265.936 | 267.619 | 266.369 | 265.734 | 266.369 |
| 145.0 | 280.112 | 280.045 | 281.790 | 280.167 | 280.185 | 280.167 | 281.790 | 280.045 | 280.112 | 280.045 |
| 147.5 | 294.093 | 293.770 | 294.770 | 293.569 | 293.837 | 293.569 | 294.770 | 293.770 | 294.093 | 293.770 |
| 150.0 | 306.867 | 306.897 | 308.318 | 306.684 | 306.586 | 306.684 | 308.318 | 306.897 | 306.867 | 306.897 |
| 152.5 | 318.804 | 318.512 | 319.915 | 318.749 | 318.664 | 318.749 | 319.915 | 318.512 | 318.804 | 318.512 |
| 155.0 | 329.754 | 329.778 | 331.047 | 330.303 | 330.095 | 330.303 | 331.047 | 329.778 | 329.754 | 329.778 |
| 157.5 | 340.063 | 340.093 | 340.923 | 340.484 | 340.465 | 340.484 | 340.923 | 340.093 | 340.063 | 340.093 |
| 160.0 | 350.079 | 349.463 | 350.415 | 349.469 | 349.945 | 349.469 | 350.415 | 349.463 | 350.079 | 349.463 |
| 162.5 | 358.046 | 357.186 | 358.973 | 358.101 | 357.606 | 358.101 | 358.973 | 357.186 | 358.046 | 357.186 |
| 165.0 | 364.914 | 364.011 | 365.628 | 364.567 | 364.609 | 364.567 | 365.628 | 364.011 | 364.914 | 364.011 |
| 167.5 | 370.850 | 370.575 | 372.265 | 370.557 | 370.965 | 370.557 | 372.265 | 370.575 | 370.850 | 370.575 |
| 170.0 | 376.809 | 375.595 | 376.767 | 375.839 | 376.035 | 375.839 | 376.767 | 375.595 | 376.809 | 375.595 |
| 172.5 | 380.951 | 379.884 | 380.811 | 379.975 | 380.268 | 379.975 | 380.811 | 379.884 | 380.951 | 379.884 |
| 175.0 | 382.684 | 382.891 | 383.757 | 383.141 | 383.397 | 383.141 | 383.757 | 382.891 | 382.684 | 382.891 |
| 177.5 | 384.812 | 384.629 | 385.782 | 384.867 | 384.934 | 384.867 | 385.782 | 384.629 | 384.812 | 384.629 |
| 180.0 | 385.740 | 385.740 | 385.740 | 385.740 | 385.740 | 385.740 | 385.740 | 385.740 | 385.740 | 385.740 |

**Vert. Horizontal 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  | 800.296      | 800.296      | 800.296      | 800.296      | 800.296      | 800.296      | 800.296      |
| 2.5  | 799.856      | 799.228      | 798.795      | 799.228      | 799.856      | 799.124      | 798.325      |
| 5.0  | 796.666      | 795.946      | 795.654      | 795.946      | 796.666      | 795.928      | 796.257      |
| 7.5  | 791.926      | 790.816      | 790.682      | 790.816      | 791.926      | 791.097      | 790.487      |
| 10.0 | 784.564      | 784.051      | 783.161      | 784.051      | 784.564      | 784.057      | 783.393      |
| 12.5 | 775.707      | 774.956      | 774.816      | 774.956      | 775.707      | 775.432      | 775.359      |
| 15.0 | 765.166      | 764.635      | 764.306      | 764.635      | 765.166      | 765.007      | 765.300      |
| 17.5 | 753.362      | 752.801      | 752.490      | 752.801      | 753.362      | 753.057      | 752.825      |
| 20.0 | 739.710      | 738.911      | 737.893      | 738.911      | 739.710      | 739.369      | 739.064      |
| 22.5 | 723.844      | 723.003      | 722.441      | 723.003      | 723.844      | 724.210      | 723.625      |
| 25.0 | 707.283      | 706.569      | 705.892      | 706.569      | 707.283      | 707.515      | 707.814      |
| 27.5 | 689.385      | 688.452      | 687.153      | 688.452      | 689.385      | 689.062      | 690.050      |
| 30.0 | 669.579      | 668.456      | 667.242      | 668.456      | 669.579      | 670.152      | 670.536      |
| 32.5 | 648.619      | 647.765      | 646.893      | 647.765      | 648.619      | 649.552      | 650.095      |
| 35.0 | 626.446      | 625.128      | 624.384      | 625.128      | 626.446      | 626.677      | 627.788      |
| 37.5 | 602.137      | 601.192      | 600.234      | 601.192      | 602.137      | 603.394      | 604.345      |
| 40.0 | 576.779      | 576.157      | 575.413      | 576.157      | 576.779      | 578.158      | 578.744      |
| 42.5 | 551.062      | 550.287      | 549.421      | 550.287      | 551.062      | 552.203      | 552.867      |
| 45.0 | 524.216      | 523.160      | 522.636      | 523.160      | 524.216      | 525.777      | 526.467      |
| 47.5 | 495.820      | 495.119      | 495.265      | 495.119      | 495.820      | 498.035      | 499.608      |
| 50.0 | 466.925      | 466.522      | 466.138      | 466.522      | 466.925      | 469.133      | 470.554      |
| 52.5 | 437.455      | 437.358      | 437.169      | 437.358      | 437.455      | 438.956      | 440.743      |
| 55.0 | 407.413      | 406.821      | 406.663      | 406.821      | 407.413      | 408.981      | 409.932      |
| 57.5 | 376.791      | 376.358      | 376.681      | 376.358      | 376.791      | 378.700      | 380.323      |
| 60.0 | 345.425      | 345.284      | 346.279      | 345.284      | 345.425      | 348.048      | 349.981      |
| 62.5 | 314.211      | 313.863      | 315.138      | 313.863      | 314.211      | 315.950      | 318.634      |
| 65.0 | 282.271      | 282.881      | 283.723      | 282.881      | 282.271      | 283.827      | 286.358      |
| 67.5 | 250.576      | 250.448      | 252.137      | 250.448      | 250.576      | 251.631      | 254.364      |
| 70.0 | 218.813      | 218.508      | 220.112      | 218.508      | 218.813      | 220.216      | 222.388      |
| 72.5 | 187.026      | 187.172      | 187.026      | 187.172      | 187.026      | 187.984      | 189.930      |
| 75.0 | 156.599      | 156.239      | 156.862      | 156.239      | 156.599      | 157.221      | 159.259      |
| 77.5 | 126.374      | 125.520      | 126.337      | 125.520      | 126.374      | 126.984      | 128.863      |
| 80.0 | 97.210       | 97.008       | 96.478       | 97.008       | 97.210       | 98.369       | 99.509       |

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**CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|
| 82.5  | 68.808  | 68.168  | 68.649  | 68.168  | 68.808  | 69.290  | 70.382  |
| 85.0  | 41.346  | 40.992  | 40.577  | 40.992  | 41.346  | 41.114  | 42.151  |
| 87.5  | 14.841  | 16.055  | 16.684  | 16.055  | 14.841  | 16.226  | 17.977  |
| 90.0  | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   | 0.000   |
| 92.5  | 6.826   | 7.052   | 6.753   | 7.052   | 6.826   | 6.527   | 5.948   |
| 95.0  | 13.408  | 13.335  | 13.365  | 13.335  | 13.408  | 12.871  | 12.597  |
| 97.5  | 21.149  | 21.021  | 21.673  | 21.021  | 21.149  | 20.819  | 20.917  |
| 100.0 | 31.330  | 31.220  | 30.720  | 31.220  | 31.330  | 30.482  | 30.415  |
| 102.5 | 42.249  | 41.626  | 41.663  | 41.626  | 42.249  | 41.352  | 41.419  |
| 105.0 | 53.839  | 53.320  | 53.351  | 53.320  | 53.839  | 52.838  | 53.070  |
| 107.5 | 65.843  | 66.026  | 65.642  | 66.026  | 65.843  | 65.630  | 64.666  |
| 110.0 | 78.721  | 79.178  | 78.629  | 79.178  | 78.721  | 78.403  | 78.397  |
| 112.5 | 92.287  | 92.391  | 91.744  | 92.391  | 92.287  | 91.683  | 91.482  |
| 115.0 | 105.536 | 105.768 | 105.414 | 105.768 | 105.536 | 105.030 | 104.890 |
| 117.5 | 118.932 | 119.578 | 119.279 | 119.578 | 118.932 | 119.035 | 118.364 |
| 120.0 | 133.334 | 133.804 | 133.041 | 133.804 | 133.334 | 133.255 | 132.327 |
| 122.5 | 147.895 | 147.504 | 147.315 | 147.504 | 147.895 | 147.248 | 148.126 |
| 125.0 | 162.638 | 162.833 | 162.327 | 162.833 | 162.638 | 162.181 | 162.187 |
| 127.5 | 177.571 | 177.309 | 176.607 | 177.309 | 177.571 | 176.674 | 176.205 |
| 130.0 | 192.431 | 192.223 | 191.906 | 192.223 | 192.431 | 191.827 | 190.747 |
| 132.5 | 207.528 | 207.327 | 206.851 | 207.327 | 207.528 | 206.680 | 206.101 |
| 135.0 | 222.613 | 222.077 | 222.339 | 222.077 | 222.613 | 221.637 | 220.924 |
| 137.5 | 237.522 | 236.784 | 237.077 | 236.784 | 237.522 | 236.979 | 236.729 |
| 140.0 | 253.107 | 251.649 | 252.327 | 251.649 | 253.107 | 251.918 | 251.521 |
| 142.5 | 267.619 | 265.936 | 266.186 | 265.936 | 267.619 | 266.369 | 265.734 |
| 145.0 | 281.790 | 280.167 | 280.185 | 280.167 | 281.790 | 280.045 | 280.112 |
| 147.5 | 294.770 | 293.569 | 293.837 | 293.569 | 294.770 | 293.770 | 294.093 |
| 150.0 | 308.318 | 306.684 | 306.586 | 306.684 | 308.318 | 306.897 | 306.867 |
| 152.5 | 319.915 | 318.749 | 318.664 | 318.749 | 319.915 | 318.512 | 318.804 |
| 155.0 | 331.047 | 330.303 | 330.095 | 330.303 | 331.047 | 329.778 | 329.754 |
| 157.5 | 340.923 | 340.484 | 340.465 | 340.484 | 340.923 | 340.093 | 340.063 |
| 160.0 | 350.415 | 349.469 | 349.945 | 349.469 | 350.415 | 349.463 | 350.079 |
| 162.5 | 358.973 | 358.101 | 357.606 | 358.101 | 358.973 | 357.186 | 358.046 |
| 165.0 | 365.628 | 364.567 | 364.609 | 364.567 | 365.628 | 364.011 | 364.914 |
| 167.5 | 372.265 | 370.557 | 370.965 | 370.557 | 372.265 | 370.575 | 370.850 |
| 170.0 | 376.767 | 375.839 | 376.035 | 375.839 | 376.767 | 375.595 | 376.809 |
| 172.5 | 380.811 | 379.975 | 380.268 | 379.975 | 380.811 | 379.884 | 380.951 |
| 175.0 | 383.757 | 383.141 | 383.397 | 383.141 | 383.757 | 382.891 | 382.684 |
| 177.5 | 385.782 | 384.867 | 384.934 | 384.867 | 385.782 | 384.629 | 384.812 |
| 180.0 | 385.740 | 385.740 | 385.740 | 385.740 | 385.740 | 385.740 | 385.740 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : QDF-22-LED35-MO-FWA-D9.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 291.44  | N.A.  | 9.00   |
| 0-30    | 617.24  | N.A.  | 19.10  |
| 0-40    | 1008.75 | N.A.  | 31.20  |
| 0-60    | 1777.89 | N.A.  | 55.00  |
| 0-80    | 2224.49 | N.A.  | 68.80  |
| 0-90    | 2272.11 | N.A.  | 70.30  |
| 10-90   | 2196.5  | N.A.  | 68.00  |
| 20-40   | 717.31  | N.A.  | 22.20  |
| 20-50   | 1121.69 | N.A.  | 34.70  |
| 40-70   | 1049.59 | N.A.  | 32.50  |
| 60-80   | 446.60  | N.A.  | 13.80  |
| 70-80   | 166.14  | N.A.  | 5.10   |
| 80-90   | 47.62   | N.A.  | 1.50   |
| 90-110  | 72.13   | N.A.  | 2.20   |
| 90-120  | 176.62  | N.A.  | 5.50   |
| 90-130  | 321.83  | N.A.  | 10.00  |
| 90-150  | 668.47  | N.A.  | 20.70  |
| 90-180  | 959.64  | N.A.  | 29.70  |
| 110-180 | 887.51  | N.A.  | 27.50  |
| 0-180   | 3231.76 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 75.61  |
| 10-20   | 215.83 |
| 20-30   | 325.80 |
| 30-40   | 391.51 |
| 40-50   | 404.38 |
| 50-60   | 364.75 |
| 60-70   | 280.46 |
| 70-80   | 166.14 |
| 80-90   | 47.62  |
| 90-100  | 15.33  |
| 100-110 | 56.80  |
| 110-120 | 104.49 |
| 120-130 | 145.21 |
| 130-140 | 171.31 |
| 140-150 | 175.33 |
| 150-160 | 151.96 |
| 160-170 | 102.86 |
| 170-180 | 36.36  |

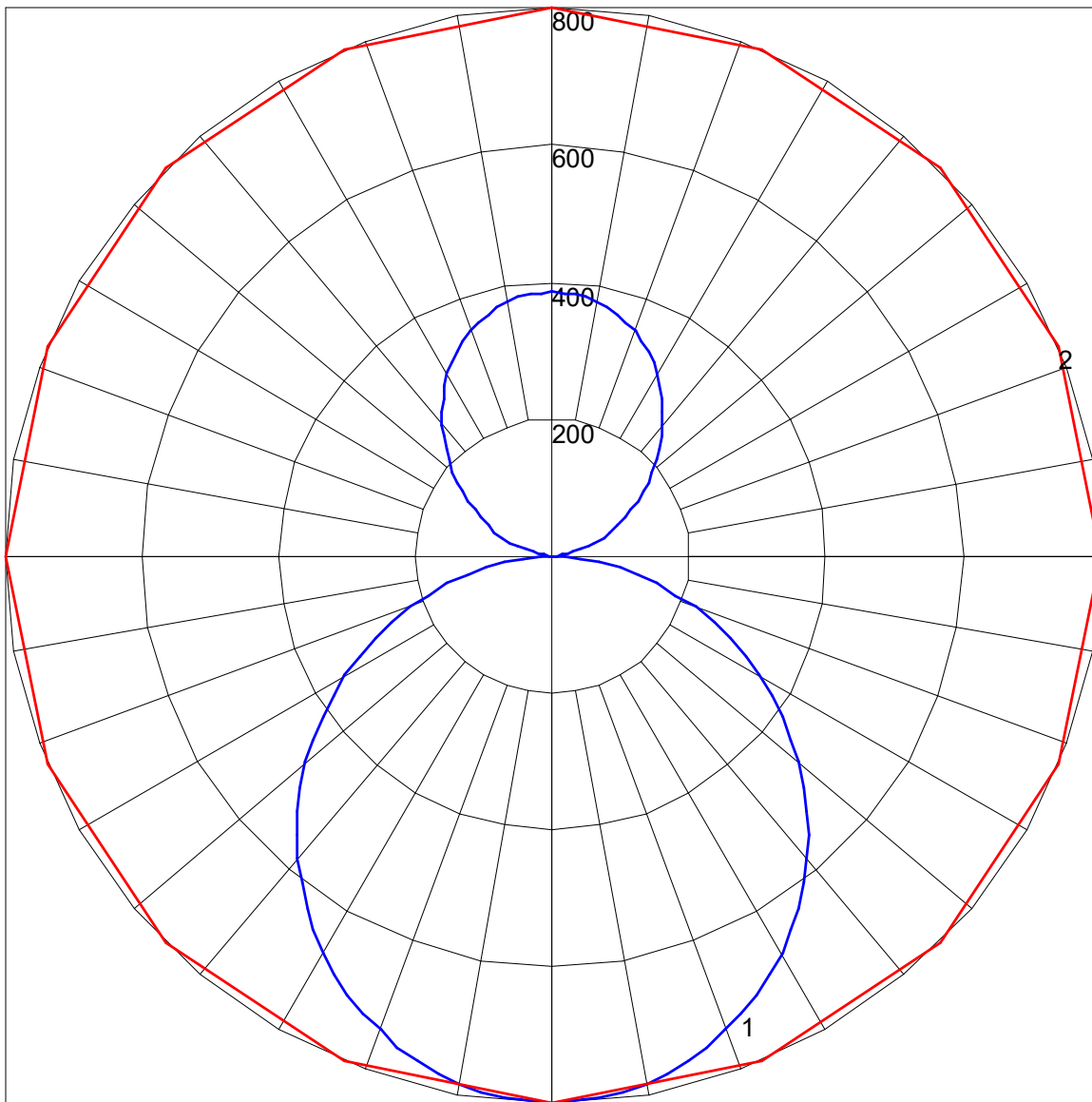
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : QDF-22-LED35-MO-FWA-D9.IES**

**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  | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 84 | 84 | 84 | 75 | 75 | 75 | 70 |
| 1  | 102 | 97  | 93  | 90  | 96  | 92  | 89  | 85  | 83 | 80 | 77 | 74 | 72 | 70 | 66 | 64 | 63 | 59 |
| 2  | 93  | 85  | 78  | 73  | 87  | 80  | 75  | 70  | 72 | 68 | 64 | 65 | 61 | 58 | 57 | 55 | 52 | 49 |
| 3  | 84  | 74  | 67  | 60  | 79  | 71  | 64  | 58  | 63 | 58 | 53 | 57 | 52 | 49 | 51 | 47 | 44 | 41 |
| 4  | 77  | 66  | 57  | 51  | 73  | 62  | 55  | 49  | 56 | 50 | 45 | 51 | 46 | 42 | 45 | 41 | 38 | 35 |
| 5  | 71  | 59  | 50  | 44  | 67  | 56  | 48  | 42  | 50 | 44 | 39 | 45 | 40 | 36 | 41 | 36 | 33 | 30 |
| 6  | 65  | 53  | 44  | 38  | 62  | 50  | 42  | 37  | 45 | 39 | 34 | 41 | 36 | 31 | 37 | 32 | 29 | 26 |
| 7  | 60  | 48  | 39  | 33  | 57  | 45  | 38  | 32  | 41 | 35 | 30 | 37 | 32 | 28 | 34 | 29 | 26 | 23 |
| 8  | 56  | 43  | 35  | 30  | 53  | 41  | 34  | 29  | 38 | 31 | 27 | 34 | 29 | 25 | 31 | 26 | 23 | 21 |
| 9  | 52  | 40  | 32  | 26  | 49  | 38  | 31  | 26  | 34 | 28 | 24 | 31 | 26 | 22 | 28 | 24 | 21 | 19 |
| 10 | 49  | 36  | 29  | 24  | 46  | 35  | 28  | 23  | 32 | 26 | 22 | 29 | 24 | 20 | 26 | 22 | 19 | 17 |

POLAR GRAPH



Maximum Candela = 800.296 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)