



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P23-FLSH-LED35-SO-MWG-D1G.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] P23-FLSH-LED35-SO-MWG-D1G

[TESTLAB]

[ISSUE DATE]

[MANUFAC] Prudential Ltg

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 3200            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 96              |
| Total Luminaire Watts           | 33.4            |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 0.44            |
| Spacing Criterion (90-270)      | 1.26            |
| Spacing Criterion (Diagonal)    | 0.70            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 0.23 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                  | 6776             | 7246              | 27590             |
| 55                  | 6130             | 5980              | 20783             |
| 65                  | 5125             | 5111              | 13932             |
| 75                  | 3856             | 4127              | 8495              |
| 85                  | 2616             | 2469              | 4035              |

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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>   | 2939.653   | 2939.653    | 2939.653    | 2939.653    | 2939.653    | 2939.653     | 2939.653     | 2939.653     | 2939.653     | 2939.653     |
| <b>2.5</b>   | 2812.451   | 2822.640    | 2856.174    | 2917.596    | 2932.270    | 2917.596     | 2856.174     | 2822.640     | 2812.451     | 2836.866     |
| <b>5.0</b>   | 2474.512   | 2518.074    | 2646.253    | 2841.167    | 2925.013    | 2841.167     | 2646.253     | 2518.074     | 2474.512     | 2538.257     |
| <b>7.5</b>   | 2102.809   | 2166.703    | 2377.981    | 2721.981    | 2912.996    | 2721.981     | 2377.981     | 2166.703     | 2102.809     | 2188.358     |
| <b>10.0</b>  | 1784.087   | 1851.983    | 2104.454    | 2571.687    | 2896.148    | 2571.687     | 2104.454     | 1851.983     | 1784.087     | 1870.279     |
| <b>12.5</b>  | 1531.328   | 1597.856    | 1858.009    | 2397.623    | 2873.677    | 2397.623     | 1858.009     | 1597.856     | 1531.328     | 1615.428     |
| <b>15.0</b>  | 1326.364   | 1390.867    | 1640.245    | 2216.786    | 2843.846    | 2216.786     | 1640.245     | 1390.867     | 1326.364     | 1408.163     |
| <b>17.5</b>  | 1154.968   | 1217.275    | 1458.303    | 2041.641    | 2808.714    | 2041.641     | 1458.303     | 1217.275     | 1154.968     | 1231.707     |
| <b>20.0</b>  | 1009.930   | 1073.145    | 1300.155    | 1868.600    | 2763.197    | 1868.600     | 1300.155     | 1073.145     | 1009.930     | 1080.942     |
| <b>22.5</b>  | 887.892    | 946.507     | 1159.947    | 1709.509    | 2708.526    | 1709.509     | 1159.947     | 946.507      | 887.892      | 953.189      |
| <b>25.0</b>  | 783.219    | 833.175     | 1034.287    | 1564.736    | 2650.416    | 1564.736     | 1034.287     | 833.175      | 783.219      | 840.029      |
| <b>27.5</b>  | 698.682    | 739.231     | 923.772     | 1431.025    | 2571.204    | 1431.025     | 923.772      | 739.231      | 698.682      | 745.418      |
| <b>30.0</b>  | 629.521    | 662.561     | 823.998     | 1306.722    | 2484.379    | 1306.722     | 823.998      | 662.561      | 629.521      | 666.770      |
| <b>32.5</b>  | 574.850    | 599.219     | 736.299     | 1191.676    | 2383.835    | 1191.676     | 736.299      | 599.219      | 574.850      | 603.520      |
| <b>35.0</b>  | 529.851    | 546.227     | 657.903     | 1080.574    | 2259.957    | 1080.574     | 657.903      | 546.227      | 529.851      | 550.942      |
| <b>37.5</b>  | 493.683    | 502.377     | 590.479     | 979.041     | 2129.708    | 979.041      | 590.479      | 502.377      | 493.683      | 505.678      |
| <b>40.0</b>  | 461.805    | 467.176     | 532.381     | 883.142     | 1980.035    | 883.142      | 532.381      | 467.176      | 461.805      | 468.613      |
| <b>42.5</b>  | 433.607    | 434.263     | 481.252     | 790.130     | 1829.420    | 790.130      | 481.252      | 434.263      | 433.607      | 436.344      |
| <b>45.0</b>  | 408.399    | 405.582     | 436.747     | 707.514     | 1662.946    | 707.514      | 436.747      | 405.582      | 408.399      | 407.433      |
| <b>47.5</b>  | 381.363    | 376.889     | 394.024     | 629.222     | 1498.024    | 629.222      | 394.024      | 376.889      | 381.363      | 381.213      |
| <b>50.0</b>  | 354.614    | 349.991     | 356.339     | 558.210     | 1329.078    | 558.210      | 356.339      | 349.991      | 354.614      | 353.360      |
| <b>52.5</b>  | 325.990    | 322.667     | 322.747     | 491.556     | 1168.526    | 491.556      | 322.747      | 322.667      | 325.990      | 326.945      |
| <b>55.0</b>  | 299.701    | 297.275     | 292.387     | 431.480     | 1016.140    | 431.480      | 292.387      | 297.275      | 299.701      | 299.299      |
| <b>57.5</b>  | 270.112    | 269.537     | 263.557     | 376.717     | 870.837     | 376.717      | 263.557      | 269.537      | 270.112      | 273.228      |
| <b>60.0</b>  | 240.833    | 243.581     | 235.186     | 325.714     | 735.908     | 325.714      | 235.186      | 243.581      | 240.833      | 246.364      |
| <b>62.5</b>  | 212.761    | 217.913     | 209.334     | 280.646     | 613.364     | 280.646      | 209.334      | 217.913      | 212.761      | 220.639      |
| <b>65.0</b>  | 184.621    | 191.820     | 184.138     | 237.981     | 501.883     | 237.981      | 184.138      | 191.820      | 184.621      | 193.752      |
| <b>67.5</b>  | 156.101    | 167.417     | 158.792     | 199.904     | 404.259     | 199.904      | 158.792      | 167.417      | 156.101      | 170.177      |
| <b>70.0</b>  | 129.582    | 141.588     | 135.550     | 165.795     | 318.791     | 165.795      | 135.550      | 141.588      | 129.582      | 143.209      |
| <b>72.5</b>  | 107.237    | 117.909     | 112.539     | 134.780     | 248.124     | 134.780      | 112.539      | 117.909      | 107.237      | 118.956      |
| <b>75.0</b>  | 85.077     | 93.173      | 91.045      | 105.386     | 187.415     | 105.386      | 91.045       | 93.173       | 85.077       | 96.554       |
| <b>77.5</b>  | 65.366     | 72.783      | 71.369      | 79.177      | 135.481     | 79.177       | 71.369       | 72.783       | 65.366       | 75.164       |
| <b>80.0</b>  | 47.702     | 53.521      | 51.014      | 55.844      | 90.470      | 55.844       | 51.014       | 53.521       | 47.702       | 55.545       |
| <b>82.5</b>  | 32.062     | 35.788      | 33.660      | 35.259      | 57.166      | 35.259       | 33.660       | 35.788       | 32.062       | 37.041       |
| <b>85.0</b>  | 19.435     | 19.699      | 18.342      | 18.630      | 29.980      | 18.630       | 18.342       | 19.699       | 19.435       | 22.689       |
| <b>87.5</b>  | 8.763      | 9.395       | 7.705       | 6.394       | 10.062      | 6.394        | 7.705        | 9.395        | 8.763        | 10.844       |
| <b>90.0</b>  | 3.645      | 2.484       | 1.713       | 1.564       | 1.426       | 1.564        | 1.713        | 2.484        | 3.645        | 3.979        |
| <b>92.5</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>95.0</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>97.5</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>100.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>102.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>105.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>107.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>110.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>112.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>115.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>117.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>120.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>122.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>125.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>127.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>130.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        |
| <b>132.5</b> | 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.)**

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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. Angles**      **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  | 2939.653     | 2939.653     | 2939.653     | 2939.653     | 2939.653     | 2939.653     | 2939.653     |
| 2.5  | 2876.311     | 2931.223     | 2929.947     | 2931.223     | 2876.311     | 2836.866     | 2812.451     |
| 5.0  | 2689.574     | 2874.137     | 2921.138     | 2874.137     | 2689.574     | 2538.257     | 2474.512     |
| 7.5  | 2428.512     | 2769.510     | 2906.843     | 2769.510     | 2428.512     | 2188.358     | 2102.809     |
| 10.0 | 2150.937     | 2630.073     | 2887.650     | 2630.073     | 2150.937     | 1870.279     | 1784.087     |
| 12.5 | 1895.579     | 2465.485     | 2860.395     | 2465.485     | 1895.579     | 1615.428     | 1531.328     |
| 15.0 | 1675.630     | 2288.304     | 2828.850     | 2288.304     | 1675.630     | 1408.163     | 1326.364     |
| 17.5 | 1490.308     | 2106.616     | 2787.669     | 2106.616     | 1490.308     | 1231.707     | 1154.968     |
| 20.0 | 1328.100     | 1931.655     | 2739.610     | 1931.655     | 1328.100     | 1080.942     | 1009.930     |
| 22.5 | 1183.752     | 1767.849     | 2684.790     | 1767.849     | 1183.752     | 953.189      | 887.892      |
| 25.0 | 1056.470     | 1618.958     | 2617.791     | 1618.958     | 1056.470     | 840.029      | 783.219      |
| 27.5 | 942.770      | 1482.430     | 2539.890     | 1482.430     | 942.770      | 745.418      | 698.682      |
| 30.0 | 840.592      | 1354.907     | 2449.109     | 1354.907     | 840.592      | 666.770      | 629.521      |
| 32.5 | 749.777      | 1234.812     | 2341.469     | 1234.812     | 749.777      | 603.520      | 574.850      |
| 35.0 | 670.404      | 1121.020     | 2219.845     | 1121.020     | 670.404      | 550.942      | 529.851      |
| 37.5 | 601.714      | 1013.736     | 2086.974     | 1013.736     | 601.714      | 505.678      | 493.683      |
| 40.0 | 542.409      | 915.538      | 1943.488     | 915.538      | 542.409      | 468.613      | 461.805      |
| 42.5 | 490.118      | 823.158      | 1788.951     | 823.158      | 490.118      | 436.344      | 433.607      |
| 45.0 | 442.543      | 735.724      | 1627.756     | 735.724      | 442.543      | 407.433      | 408.399      |
| 47.5 | 401.200      | 655.465      | 1463.938     | 655.465      | 401.200      | 381.213      | 381.363      |
| 50.0 | 362.986      | 582.268      | 1299.396     | 582.268      | 362.986      | 353.360      | 354.614      |
| 52.5 | 330.038      | 513.268      | 1140.972     | 513.268      | 330.038      | 326.945      | 325.990      |
| 55.0 | 296.987      | 450.800      | 987.953      | 450.800      | 296.987      | 299.299      | 299.701      |
| 57.5 | 268.076      | 392.322      | 844.594      | 392.322      | 268.076      | 273.228      | 270.112      |
| 60.0 | 239.970      | 341.389      | 711.206      | 341.389      | 239.970      | 246.364      | 240.833      |
| 62.5 | 214.003      | 293.790      | 589.202      | 293.790      | 214.003      | 220.639      | 212.761      |
| 65.0 | 188.876      | 250.297      | 482.114      | 250.297      | 188.876      | 193.752      | 184.621      |
| 67.5 | 164.496      | 210.070      | 387.561      | 210.070      | 164.496      | 170.177      | 156.101      |
| 70.0 | 140.081      | 176.444      | 304.037      | 176.444      | 140.081      | 143.209      | 129.582      |
| 72.5 | 118.105      | 144.072      | 235.232      | 144.072      | 118.105      | 118.956      | 107.237      |
| 75.0 | 95.530       | 113.654      | 178.549      | 113.654      | 95.530       | 96.554       | 85.077       |
| 77.5 | 73.910       | 86.928       | 128.455      | 86.928       | 73.910       | 75.164       | 65.366       |
| 80.0 | 55.188       | 61.651       | 88.803       | 61.651       | 55.188       | 55.545       | 47.702       |

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**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 82.5  | 36.305 | 42.032 | 52.451 | 42.032 | 36.305 | 37.041 | 32.062 |
| 85.0  | 21.700 | 22.448 | 27.439 | 22.448 | 21.700 | 22.689 | 19.435 |
| 87.5  | 8.096  | 9.418  | 8.245  | 9.418  | 8.096  | 10.844 | 8.763  |
| 90.0  | 2.127  | 2.047  | 0.736  | 2.047  | 2.127  | 3.979  | 3.645  |
| 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 : P23-FLSH-LED35-SO-MWG-D1G.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 759.96  | N.A.  | 23.70  |
| 0-30    | 1357.59 | N.A.  | 42.40  |
| 0-40    | 1937.51 | N.A.  | 60.50  |
| 0-60    | 2816.71 | N.A.  | 88.00  |
| 0-80    | 3172.66 | N.A.  | 99.10  |
| 0-90    | 3199.61 | N.A.  | 100.00 |
| 10-90   | 2957.79 | N.A.  | 92.40  |
| 20-40   | 1177.56 | N.A.  | 36.80  |
| 20-50   | 1678.79 | N.A.  | 52.50  |
| 40-70   | 1119.12 | N.A.  | 35.00  |
| 60-80   | 355.95  | N.A.  | 11.10  |
| 70-80   | 116.02  | N.A.  | 3.60   |
| 80-90   | 26.95   | N.A.  | 0.80   |
| 90-110  | 0.32    | N.A.  | 0.00   |
| 90-120  | 0.32    | N.A.  | 0.00   |
| 90-130  | 0.32    | N.A.  | 0.00   |
| 90-150  | 0.32    | N.A.  | 0.00   |
| 90-180  | 0.32    | N.A.  | 0.00   |
| 110-180 | 0.00    | N.A.  | 0.00   |
| 0-180   | 3199.93 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 241.82 |
| 10-20   | 518.14 |
| 20-30   | 597.64 |
| 30-40   | 579.92 |
| 40-50   | 501.24 |
| 50-60   | 377.96 |
| 60-70   | 239.93 |
| 70-80   | 116.02 |
| 80-90   | 26.95  |
| 90-100  | 0.32   |
| 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   |

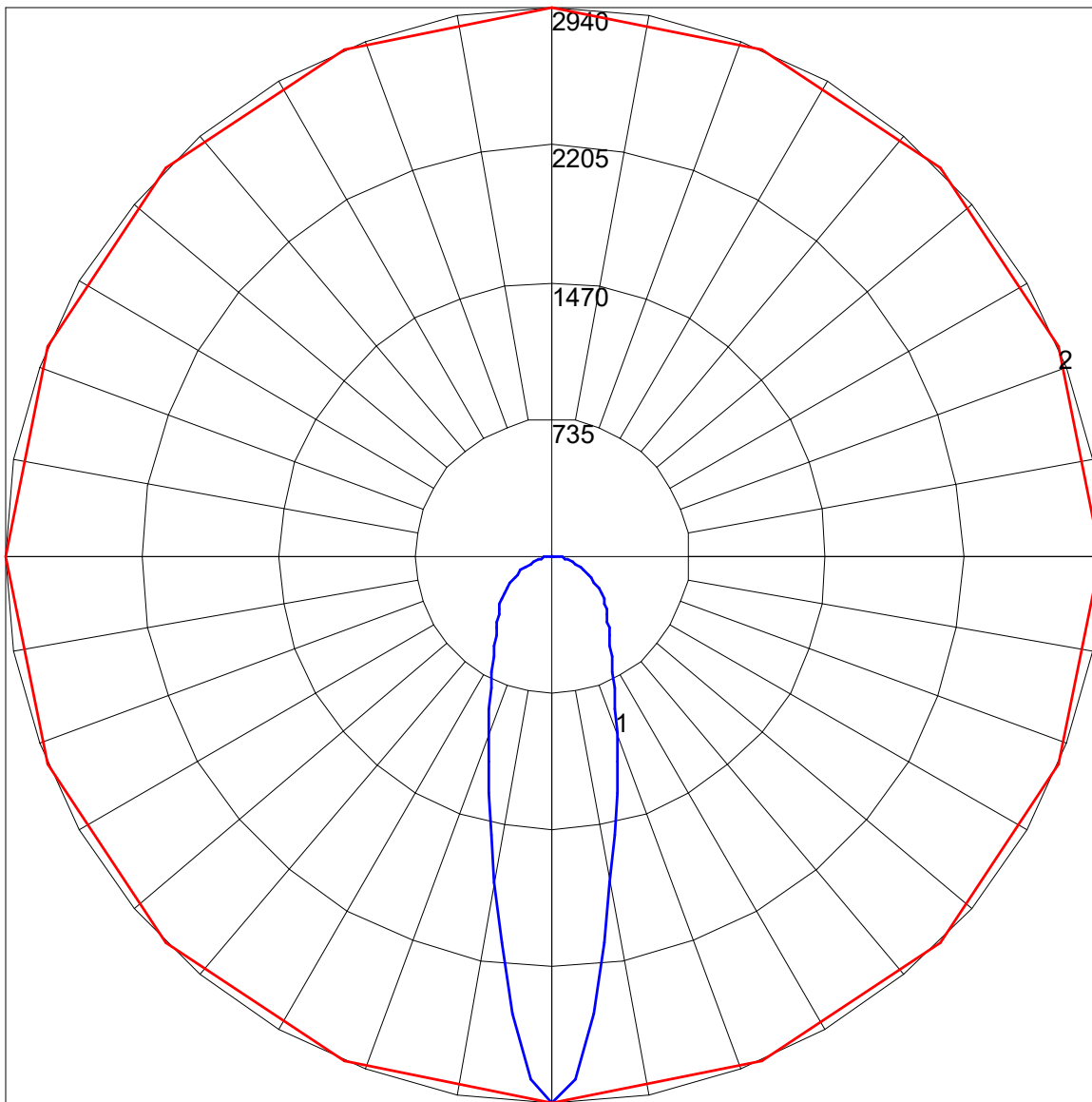
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P23-FLSH-LED35-SO-MWG-D1G.IES**

**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  | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 98  | 100 | 98  | 95  | 97  | 94  | 93  | 93  | 91  | 90  | 88  |
| 2  | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  | 87  | 84  | 80  | 84  | 81  | 79  | 77  |
| 3  | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  | 79  | 74  | 71  | 77  | 73  | 69  | 67  |
| 4  | 88  | 78  | 70  | 65  | 86  | 77  | 70  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 65  | 62  | 60  |
| 5  | 82  | 71  | 63  | 57  | 80  | 70  | 63  | 57  | 68  | 62  | 57  | 66  | 60  | 56  | 64  | 59  | 55  | 54  |
| 6  | 77  | 65  | 57  | 52  | 75  | 64  | 57  | 51  | 63  | 56  | 51  | 61  | 55  | 51  | 59  | 54  | 50  | 48  |
| 7  | 72  | 60  | 52  | 47  | 70  | 59  | 52  | 47  | 58  | 51  | 46  | 56  | 51  | 46  | 55  | 50  | 46  | 44  |
| 8  | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  | 53  | 47  | 42  | 51  | 46  | 42  | 40  |
| 9  | 64  | 52  | 44  | 39  | 62  | 51  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 37  |
| 10 | 60  | 48  | 41  | 37  | 59  | 48  | 41  | 36  | 47  | 41  | 36  | 46  | 40  | 36  | 45  | 40  | 36  | 34  |

POLAR GRAPH



Maximum Candela = 2939.653 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.)