



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 2483P.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[TEST] BE1124  
[DATE] 08-21-84  
[MANUFAC] BEGA-US  
[LUMCAT] 2483P  
[LUMINAIRE] FULLY SHIELDED WALL MOUNTED LUMINAIRE  
[LUMINAIRE] W/ANODIZED ALUMINUM REFLECTOR AND  
[LUMINAIRE] STIPPLED TEMPERED GLASS  
[LAMP] (1) 42W CF TRIPLE-4P

**CHARACTERISTICS**

|                                 |             |
|---------------------------------|-------------|
| Total Rated Lamp Lumens         | 3200        |
| Total Luminaire Efficiency      | 31.1 %      |
| Luminaire Efficacy Rating (LER) | 24          |
| Total Luminaire Watts           | 42          |
| Ballast Factor                  | 1.00        |
| CIE Type                        | Direct      |
| Spacing Criteria (0-180)        | 1.12        |
| Spacing Criteria (90-270)       | 1.14        |
| Spacing Criteria (Diagonal)     | 1.18        |
| Basic Luminous Shape            | Rectangular |
| Luminous Length (0-180)         | 0.18 m      |
| Luminous Width (90-270)         | 0.32 m      |
| Luminous Height                 | 0.00 m      |



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

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 5920             | 7348              | 5133              |
| 55                  | 4145             | 5475              | 3443              |
| 65                  | 2420             | 3172              | 2323              |
| 75                  | 1066             | 1187              | 1366              |
| 85                  | 96               | 96                | 171               |

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**CANDELA TABULATION**

|             | <u>0</u> | <u>5</u> | <u>10</u> | <u>15</u> | <u>20</u> | <u>25</u> | <u>30</u> | <u>35</u> | <u>40</u> | <u>45</u> |
|-------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>0.0</b>  | 582.40   | 582.40   | 582.40    | 582.40    | 582.40    | 582.40    | 582.40    | 582.40    | 582.40    | 582.40    |
| <b>2.5</b>  | 575.68   | 576.96   | 575.36    | 577.28    | 576.32    | 577.92    | 575.68    | 578.88    | 578.24    | 577.60    |
| <b>5.0</b>  | 565.44   | 563.84   | 561.60    | 561.92    | 563.84    | 566.40    | 564.80    | 566.40    | 565.76    | 567.68    |
| <b>7.5</b>  | 554.56   | 552.96   | 552.00    | 552.32    | 554.88    | 554.56    | 555.52    | 557.76    | 559.04    | 559.36    |
| <b>10.0</b> | 544.00   | 542.40   | 541.44    | 540.80    | 544.00    | 547.20    | 546.56    | 549.12    | 550.72    | 552.00    |
| <b>12.5</b> | 533.44   | 529.28   | 528.96    | 529.28    | 533.44    | 533.76    | 535.36    | 540.16    | 541.76    | 544.64    |
| <b>15.0</b> | 524.16   | 517.12   | 516.16    | 518.08    | 516.16    | 519.68    | 521.60    | 522.56    | 527.04    | 530.24    |
| <b>17.5</b> | 509.76   | 507.84   | 506.88    | 508.80    | 508.48    | 510.40    | 507.52    | 510.08    | 516.48    | 521.28    |
| <b>20.0</b> | 499.20   | 498.24   | 496.32    | 496.00    | 496.32    | 496.32    | 497.28    | 497.60    | 501.76    | 505.60    |
| <b>22.5</b> | 486.40   | 484.80   | 483.52    | 481.60    | 480.32    | 480.64    | 480.96    | 483.20    | 487.04    | 488.32    |
| <b>25.0</b> | 471.04   | 468.16   | 466.88    | 466.24    | 465.92    | 464.32    | 466.56    | 469.44    | 472.64    | 474.56    |
| <b>27.5</b> | 445.76   | 447.04   | 444.16    | 443.84    | 445.76    | 446.08    | 448.00    | 453.76    | 456.32    | 456.64    |
| <b>30.0</b> | 421.44   | 419.84   | 419.84    | 421.44    | 424.96    | 428.48    | 432.64    | 438.08    | 442.56    | 445.76    |
| <b>32.5</b> | 392.32   | 393.92   | 395.52    | 400.64    | 403.52    | 408.64    | 414.08    | 420.16    | 424.00    | 424.96    |
| <b>35.0</b> | 366.08   | 366.40   | 372.16    | 378.88    | 384.64    | 390.08    | 395.84    | 399.36    | 404.48    | 405.12    |
| <b>37.5</b> | 334.08   | 335.68   | 344.32    | 353.92    | 362.88    | 370.24    | 374.72    | 378.88    | 381.44    | 380.80    |
| <b>40.0</b> | 302.88   | 305.95   | 315.36    | 327.04    | 339.52    | 348.80    | 355.84    | 359.36    | 359.36    | 357.76    |
| <b>42.5</b> | 274.50   | 275.81   | 283.94    | 297.41    | 311.42    | 323.20    | 330.24    | 334.08    | 333.44    | 329.92    |
| <b>45.0</b> | 241.22   | 243.71   | 252.13    | 264.99    | 279.04    | 292.29    | 301.25    | 304.86    | 303.84    | 299.42    |
| <b>47.5</b> | 213.34   | 217.73   | 224.74    | 236.32    | 247.78    | 261.86    | 272.58    | 276.19    | 276.45    | 270.62    |
| <b>50.0</b> | 188.86   | 190.88   | 197.09    | 208.29    | 221.50    | 231.58    | 239.65    | 244.32    | 244.06    | 239.78    |
| <b>52.5</b> | 162.69   | 165.12   | 171.26    | 181.98    | 194.24    | 203.49    | 209.66    | 213.41    | 213.63    | 210.72    |
| <b>55.0</b> | 136.99   | 139.49   | 145.57    | 156.00    | 167.14    | 175.39    | 180.13    | 182.53    | 182.59    | 180.96    |
| <b>57.5</b> | 114.50   | 116.67   | 121.92    | 130.18    | 141.12    | 148.90    | 152.22    | 152.61    | 152.67    | 152.03    |
| <b>60.0</b> | 93.70    | 95.81    | 100.00    | 106.78    | 116.54    | 123.74    | 125.15    | 125.02    | 124.90    | 125.18    |
| <b>62.5</b> | 75.10    | 76.64    | 79.78     | 85.57     | 92.96     | 98.82     | 100.74    | 99.74     | 99.74     | 99.81     |
| <b>65.0</b> | 58.94    | 59.94    | 62.72     | 67.04     | 72.80     | 76.83     | 77.82     | 76.93     | 77.12     | 77.25     |
| <b>67.5</b> | 45.25    | 46.14    | 47.87     | 51.07     | 55.10     | 57.54     | 57.70     | 57.63     | 57.44     | 57.47     |
| <b>70.0</b> | 33.02    | 33.92    | 34.85     | 37.31     | 39.84     | 41.41     | 41.12     | 41.02     | 40.83     | 41.25     |
| <b>72.5</b> | 23.49    | 23.68    | 24.35     | 25.34     | 26.88     | 27.62     | 27.20     | 27.46     | 27.74     | 27.81     |
| <b>75.0</b> | 15.90    | 16.00    | 16.19     | 16.70     | 17.12     | 17.34     | 17.31     | 17.34     | 17.73     | 17.70     |
| <b>77.5</b> | 8.58     | 8.80     | 8.77      | 9.28      | 9.41      | 9.54      | 9.50      | 9.63      | 10.02     | 10.24     |
| <b>80.0</b> | 3.17     | 3.17     | 3.30      | 3.55      | 3.78      | 3.90      | 4.16      | 4.38      | 4.64      | 4.99      |
| <b>82.5</b> | 0.74     | 0.74     | 0.74      | 0.74      | 0.74      | 0.74      | 0.74      | 0.74      | 1.09      | 1.60      |
| <b>85.0</b> | 0.48     | 0.48     | 0.48      | 0.48      | 0.35      | 0.48      | 0.48      | 0.35      | 0.48      | 0.48      |
| <b>87.5</b> | 0.26     | 0.26     | 0.26      | 0.00      | 0.26      | 0.26      | 0.26      | 0.13      | 0.26      | 0.13      |
| <b>90.0</b> | 0.00     | 0.00     | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |

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

|             | <u>50</u> | <u>55</u> | <u>60</u> | <u>65</u> | <u>70</u> | <u>75</u> | <u>80</u> | <u>85</u> | <u>90</u> | <u>95</u> |
|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>0.0</b>  | 582.40    | 582.40    | 582.40    | 582.40    | 582.40    | 582.40    | 582.40    | 582.40    | 582.40    | 582.40    |
| <b>2.5</b>  | 576.64    | 577.28    | 578.88    | 578.88    | 578.88    | 576.32    | 578.88    | 579.84    | 579.52    | 580.80    |
| <b>5.0</b>  | 568.00    | 568.64    | 573.44    | 573.12    | 572.48    | 572.80    | 578.56    | 576.32    | 576.64    | 575.04    |
| <b>7.5</b>  | 561.92    | 564.48    | 568.00    | 568.32    | 568.64    | 570.88    | 574.72    | 576.64    | 577.60    | 577.60    |
| <b>10.0</b> | 553.92    | 556.48    | 559.04    | 560.64    | 563.52    | 566.72    | 573.76    | 572.80    | 576.32    | 574.08    |
| <b>12.5</b> | 544.00    | 549.44    | 551.36    | 556.48    | 558.72    | 560.64    | 569.60    | 573.76    | 572.48    | 571.20    |
| <b>15.0</b> | 531.84    | 538.24    | 540.16    | 543.36    | 544.00    | 551.36    | 556.16    | 560.64    | 562.56    | 564.16    |
| <b>17.5</b> | 525.12    | 532.16    | 534.72    | 535.68    | 540.16    | 542.72    | 551.36    | 560.00    | 558.72    | 556.48    |
| <b>20.0</b> | 509.76    | 515.20    | 521.28    | 525.44    | 527.36    | 531.84    | 539.52    | 545.60    | 547.52    | 541.76    |
| <b>22.5</b> | 491.52    | 498.56    | 503.68    | 508.48    | 512.32    | 513.92    | 519.68    | 529.28    | 524.16    | 519.36    |
| <b>25.0</b> | 474.56    | 480.96    | 484.48    | 489.28    | 492.80    | 496.00    | 497.60    | 499.84    | 499.20    | 494.40    |
| <b>27.5</b> | 458.88    | 461.12    | 461.44    | 463.36    | 465.60    | 463.36    | 463.68    | 466.88    | 466.24    | 459.20    |
| <b>30.0</b> | 440.96    | 441.28    | 437.76    | 435.84    | 434.56    | 433.28    | 434.24    | 434.56    | 429.76    | 424.00    |

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**CANDELA TABULATION - (Cont.)**

|      |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 32.5 | 422.40 | 418.24 | 415.68 | 408.32 | 404.80 | 399.36 | 394.88 | 393.92 | 391.36 | 385.60 |
| 35.0 | 402.24 | 397.44 | 389.12 | 379.52 | 370.24 | 365.76 | 359.68 | 354.24 | 351.36 | 348.80 |
| 37.5 | 379.52 | 370.56 | 360.00 | 347.52 | 336.32 | 327.68 | 319.84 | 317.06 | 311.81 | 307.36 |
| 40.0 | 352.64 | 344.00 | 333.12 | 317.60 | 304.86 | 294.14 | 284.86 | 278.72 | 276.32 | 272.48 |
| 42.5 | 325.44 | 315.04 | 302.24 | 287.62 | 273.18 | 261.34 | 251.14 | 244.80 | 241.95 | 237.86 |
| 45.0 | 292.77 | 284.80 | 271.36 | 257.60 | 244.03 | 228.32 | 218.62 | 213.22 | 209.15 | 205.44 |
| 47.5 | 264.38 | 256.74 | 243.90 | 229.09 | 213.41 | 200.26 | 191.84 | 185.66 | 181.47 | 177.50 |
| 50.0 | 233.06 | 225.38 | 214.85 | 200.45 | 186.21 | 172.96 | 166.50 | 160.03 | 155.36 | 151.68 |
| 52.5 | 205.98 | 198.02 | 187.26 | 173.50 | 160.83 | 151.10 | 143.84 | 137.82 | 133.28 | 129.25 |
| 55.0 | 176.74 | 169.73 | 159.42 | 149.25 | 137.89 | 129.22 | 123.62 | 117.82 | 113.79 | 108.51 |
| 57.5 | 149.44 | 143.84 | 135.36 | 126.43 | 117.60 | 110.78 | 105.25 | 100.64 | 97.09  | 92.06  |
| 60.0 | 123.36 | 119.33 | 113.02 | 106.30 | 99.49  | 94.50  | 89.89  | 85.63  | 81.95  | 77.41  |
| 62.5 | 99.58  | 96.38  | 91.90  | 87.42  | 82.72  | 78.94  | 74.78  | 71.97  | 69.15  | 64.51  |
| 65.0 | 76.67  | 75.17  | 72.99  | 70.46  | 67.68  | 64.38  | 61.63  | 59.04  | 56.58  | 52.67  |
| 67.5 | 57.41  | 57.34  | 56.99  | 55.84  | 53.82  | 51.62  | 49.57  | 47.55  | 45.73  | 42.69  |
| 70.0 | 41.18  | 41.47  | 42.46  | 42.30  | 41.18  | 39.62  | 38.50  | 37.31  | 36.10  | 33.89  |
| 72.5 | 27.90  | 28.93  | 30.75  | 30.98  | 30.24  | 29.41  | 29.12  | 28.42  | 27.68  | 26.08  |
| 75.0 | 18.18  | 19.17  | 20.51  | 21.22  | 21.28  | 21.15  | 20.96  | 20.86  | 20.38  | 19.39  |
| 77.5 | 10.72  | 11.58  | 12.58  | 13.41  | 13.73  | 13.73  | 14.02  | 14.27  | 13.92  | 13.06  |
| 80.0 | 5.60   | 6.11   | 6.85   | 7.46   | 7.90   | 8.26   | 8.64   | 8.90   | 8.67   | 8.16   |
| 82.5 | 1.82   | 2.30   | 2.56   | 2.91   | 3.30   | 3.65   | 3.78   | 4.03   | 4.16   | 3.78   |
| 85.0 | 0.61   | 0.48   | 0.48   | 0.61   | 0.74   | 0.86   | 0.86   | 0.74   | 0.86   | 0.86   |
| 87.5 | 0.26   | 0.26   | 0.26   | 0.26   | 0.26   | 0.26   | 0.26   | 0.26   | 0.13   | 0.26   |
| 90.0 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |

| Vert.<br>Angles | Horizontal Angles |            |            |            |            |            |            |            |            |            |
|-----------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                 | <u>100</u>        | <u>105</u> | <u>110</u> | <u>115</u> | <u>120</u> | <u>125</u> | <u>130</u> | <u>135</u> | <u>140</u> | <u>145</u> |
| 0.0             | 582.40            | 582.40     | 582.40     | 582.40     | 582.40     | 582.40     | 582.40     | 582.40     | 582.40     | 582.40     |
| 2.5             | 579.20            | 579.20     | 580.80     | 581.44     | 578.88     | 579.84     | 578.88     | 578.24     | 576.32     | 579.20     |
| 5.0             | 575.04            | 573.44     | 576.64     | 575.36     | 571.84     | 569.60     | 569.92     | 567.04     | 568.64     | 570.24     |
| 7.5             | 575.04            | 576.96     | 576.64     | 575.04     | 569.92     | 568.32     | 564.16     | 564.80     | 559.36     | 558.72     |
| 10.0            | 572.80            | 570.88     | 572.80     | 563.52     | 560.32     | 555.84     | 552.64     | 550.08     | 544.64     | 544.00     |
| 12.5            | 568.00            | 564.48     | 561.28     | 557.44     | 549.44     | 543.04     | 538.56     | 535.36     | 532.16     | 530.88     |
| 15.0            | 561.92            | 556.16     | 546.24     | 539.84     | 532.16     | 526.08     | 519.68     | 519.36     | 512.32     | 510.40     |
| 17.5            | 549.12            | 543.04     | 533.76     | 524.48     | 515.52     | 510.08     | 506.24     | 501.44     | 496.32     | 491.84     |
| 20.0            | 534.72            | 526.72     | 516.16     | 508.48     | 497.92     | 491.84     | 487.04     | 480.32     | 472.64     | 466.56     |
| 22.5            | 511.36            | 502.08     | 492.16     | 483.84     | 476.48     | 467.52     | 461.44     | 454.40     | 446.40     | 439.68     |
| 25.0            | 485.76            | 478.40     | 466.56     | 457.92     | 452.48     | 443.20     | 437.44     | 430.72     | 420.16     | 412.80     |
| 27.5            | 449.28            | 440.96     | 434.56     | 428.80     | 422.08     | 413.44     | 406.40     | 398.72     | 388.16     | 380.80     |
| 30.0            | 416.96            | 411.20     | 403.20     | 399.04     | 392.96     | 389.12     | 381.12     | 373.76     | 364.80     | 358.72     |
| 32.5            | 380.16            | 377.28     | 374.40     | 371.20     | 363.52     | 359.36     | 352.96     | 349.76     | 342.72     | 330.88     |
| 35.0            | 341.44            | 338.88     | 338.24     | 338.56     | 333.76     | 330.24     | 325.44     | 320.32     | 311.42     | 304.13     |
| 37.5            | 303.33            | 302.88     | 303.55     | 303.87     | 300.80     | 298.53     | 295.46     | 290.78     | 283.07     | 277.89     |
| 40.0            | 268.54            | 271.23     | 273.73     | 270.50     | 268.29     | 267.33     | 266.53     | 261.25     | 255.58     | 252.16     |
| 42.5            | 235.94            | 237.89     | 239.39     | 239.42     | 236.83     | 236.13     | 236.42     | 233.63     | 229.50     | 227.23     |
| 45.0            | 203.36            | 206.37     | 207.52     | 207.49     | 205.41     | 205.28     | 205.18     | 205.92     | 204.19     | 201.98     |
| 47.5            | 176.00            | 177.18     | 178.91     | 178.50     | 177.12     | 176.77     | 177.73     | 180.64     | 180.06     | 177.22     |
| 50.0            | 150.21            | 151.01     | 152.13     | 150.98     | 149.09     | 148.22     | 151.36     | 155.71     | 155.97     | 152.67     |
| 52.5            | 127.10            | 127.90     | 128.29     | 127.46     | 124.93     | 123.71     | 127.46     | 132.61     | 132.93     | 129.47     |
| 55.0            | 106.43            | 105.86     | 106.72     | 106.50     | 103.20     | 101.60     | 105.57     | 110.50     | 110.27     | 106.88     |
| 57.5            | 88.32             | 87.84      | 88.48      | 87.84      | 85.22      | 83.78      | 86.98      | 90.94      | 91.01      | 87.20      |
| 60.0            | 73.60             | 72.03      | 72.16      | 72.26      | 70.05      | 68.83      | 70.59      | 73.18      | 71.87      | 68.99      |
| 62.5            | 60.45             | 59.01      | 58.91      | 58.85      | 57.06      | 55.97      | 56.86      | 57.02      | 55.74      | 54.05      |
| 65.0            | 49.50             | 47.94      | 47.46      | 47.39      | 46.62      | 45.89      | 44.83      | 43.52      | 42.43      | 41.31      |
| 67.5            | 39.65             | 38.08      | 37.86      | 37.54      | 36.80      | 35.81      | 34.40      | 32.58      | 31.52      | 30.62      |

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**CANDELA TABULATION - (Cont.)**

|             |       |       |       |       |       |       |       |       |       |       |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>70.0</b> | 31.52 | 29.92 | 29.34 | 29.12 | 28.16 | 27.42 | 25.28 | 23.36 | 22.43 | 21.63 |
| <b>72.5</b> | 24.32 | 23.36 | 22.53 | 22.05 | 20.99 | 19.90 | 18.34 | 16.54 | 15.39 | 14.59 |
| <b>75.0</b> | 18.14 | 17.28 | 16.54 | 15.84 | 14.94 | 13.73 | 12.29 | 11.20 | 10.18 | 9.25  |
| <b>77.5</b> | 12.16 | 11.55 | 10.85 | 10.11 | 9.22  | 8.38  | 7.52  | 6.43  | 5.82  | 5.09  |
| <b>80.0</b> | 7.42  | 6.69  | 6.21  | 5.73  | 4.86  | 4.26  | 3.65  | 3.17  | 2.43  | 2.08  |
| <b>82.5</b> | 3.17  | 2.91  | 2.43  | 2.21  | 1.82  | 1.22  | 0.96  | 0.74  | 0.48  | 0.48  |
| <b>85.0</b> | 0.74  | 0.61  | 0.61  | 0.61  | 0.48  | 0.26  | 0.26  | 0.26  | 0.35  | 0.26  |
| <b>87.5</b> | 0.26  | 0.26  | 0.13  | 0.26  | 0.13  | 0.13  | 0.13  | 0.26  | 0.26  | 0.26  |
| <b>90.0</b> | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |

**Vert.  
Angles**

**Horizontal Angles**

|             | <u><b>150</b></u> | <u><b>155</b></u> | <u><b>160</b></u> | <u><b>165</b></u> | <u><b>170</b></u> | <u><b>175</b></u> | <u><b>180</b></u> |
|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| <b>0.0</b>  | 582.40            | 582.40            | 582.40            | 582.40            | 582.40            | 582.40            | 582.40            |
| <b>2.5</b>  | 579.52            | 577.60            | 578.24            | 577.60            | 578.88            | 579.20            | 576.00            |
| <b>5.0</b>  | 568.96            | 566.72            | 567.04            | 565.12            | 566.40            | 567.36            | 564.80            |
| <b>7.5</b>  | 561.60            | 556.48            | 557.44            | 554.88            | 557.12            | 558.72            | 553.28            |
| <b>10.0</b> | 543.68            | 543.36            | 541.76            | 541.76            | 544.64            | 542.08            | 539.20            |
| <b>12.5</b> | 529.92            | 527.68            | 527.68            | 524.80            | 527.04            | 527.68            | 526.08            |
| <b>15.0</b> | 507.52            | 504.96            | 503.36            | 501.76            | 502.08            | 502.72            | 501.44            |
| <b>17.5</b> | 488.96            | 482.24            | 483.52            | 480.64            | 482.24            | 481.92            | 480.32            |
| <b>20.0</b> | 462.72            | 459.52            | 456.96            | 453.12            | 451.52            | 453.76            | 451.52            |
| <b>22.5</b> | 433.60            | 428.16            | 424.96            | 421.12            | 421.44            | 423.04            | 420.48            |
| <b>25.0</b> | 405.44            | 399.36            | 395.52            | 391.68            | 390.72            | 391.68            | 387.84            |
| <b>27.5</b> | 377.60            | 367.68            | 361.92            | 355.84            | 353.92            | 354.56            | 352.00            |
| <b>30.0</b> | 349.44            | 340.16            | 332.16            | 328.32            | 325.12            | 323.84            | 320.64            |
| <b>32.5</b> | 322.24            | 311.84            | 304.93            | 299.01            | 296.00            | 294.24            | 291.36            |
| <b>35.0</b> | 295.71            | 287.42            | 279.74            | 270.85            | 265.82            | 262.85            | 260.83            |
| <b>37.5</b> | 271.58            | 262.91            | 253.34            | 243.87            | 237.95            | 233.28            | 230.05            |
| <b>40.0</b> | 247.49            | 239.46            | 228.51            | 219.23            | 211.04            | 204.67            | 203.14            |
| <b>42.5</b> | 222.27            | 214.08            | 203.58            | 193.25            | 184.86            | 178.88            | 176.96            |
| <b>45.0</b> | 197.18            | 188.22            | 178.75            | 167.74            | 159.55            | 154.30            | 152.96            |
| <b>47.5</b> | 173.92            | 165.28            | 155.65            | 144.90            | 136.80            | 132.77            | 131.62            |
| <b>50.0</b> | 148.22            | 141.22            | 132.64            | 123.87            | 117.44            | 113.66            | 112.00            |
| <b>52.5</b> | 124.96            | 119.23            | 113.15            | 105.79            | 100.42            | 97.34             | 96.22             |
| <b>55.0</b> | 103.39            | 100.19            | 95.26             | 89.63             | 85.09             | 82.02             | 81.22             |
| <b>57.5</b> | 84.03             | 82.34             | 79.84             | 74.94             | 70.59             | 68.38             | 67.39             |
| <b>60.0</b> | 67.10             | 66.66             | 64.86             | 61.34             | 57.44             | 54.62             | 53.57             |
| <b>62.5</b> | 53.22             | 52.83             | 51.58             | 48.35             | 44.67             | 42.85             | 41.95             |
| <b>65.0</b> | 40.32             | 39.71             | 39.17             | 36.67             | 33.95             | 32.61             | 32.00             |
| <b>67.5</b> | 29.47             | 28.90             | 28.70             | 26.85             | 25.09             | 23.84             | 23.74             |
| <b>70.0</b> | 20.45             | 19.90             | 20.19             | 18.94             | 17.76             | 17.02             | 16.96             |
| <b>72.5</b> | 13.76             | 13.12             | 13.28             | 12.64             | 11.94             | 11.46             | 11.39             |
| <b>75.0</b> | 8.64              | 8.51              | 8.29              | 7.78              | 7.30              | 7.17              | 7.26              |
| <b>77.5</b> | 4.64              | 4.26              | 4.13              | 3.78              | 3.65              | 3.52              | 3.39              |
| <b>80.0</b> | 1.70              | 1.57              | 1.34              | 1.09              | 0.86              | 0.86              | 0.96              |
| <b>82.5</b> | 0.48              | 0.48              | 0.48              | 0.48              | 0.35              | 0.35              | 0.48              |
| <b>85.0</b> | 0.26              | 0.26              | 0.26              | 0.26              | 0.26              | 0.26              | 0.26              |
| <b>87.5</b> | 0.13              | 0.13              | 0.26              | 0.13              | 0.00              | 0.13              | 0.26              |
| <b>90.0</b> | 0.00              | 0.00              | 0.00              | 0.00              | 0.00              | 0.00              | 0.00              |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 2483P.IES**

**ZONAL LUMEN SUMMARY**

| Zone   | Lumens | %Lamp | %Fixt |
|--------|--------|-------|-------|
| 0-30   | 411.67 | 12.9  | 41.3  |
| 0-40   | 627.54 | 19.6  | 63    |
| 0-60   | 921    | 28.8  | 92.4  |
| 0-90   | 996.7  | 31.1  | 100   |
| 90-120 | 0      | 0     | 0     |
| 90-130 | 0      | 0     | 0     |
| 90-150 | 0      | 0     | 0     |
| 90-180 | 0      | 0     | 0     |
| 0-180  | 996.7  | 31.1  | 100   |

Total Luminaire Efficiency = 31.1%

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 53.99  |
| 10-20   | 149.23 |
| 20-30   | 208.45 |
| 30-40   | 215.87 |
| 40-50   | 177.6  |
| 50-60   | 115.86 |
| 60-70   | 57.13  |
| 70-80   | 17.29  |
| 80-90   | 1.27   |
| 90-100  | 0      |
| 100-110 | 0      |
| 110-120 | 0      |
| 120-130 | 0      |
| 130-140 | 0      |
| 140-150 | 0      |
| 150-160 | 0      |
| 160-170 | 0      |
| 170-180 | 0      |

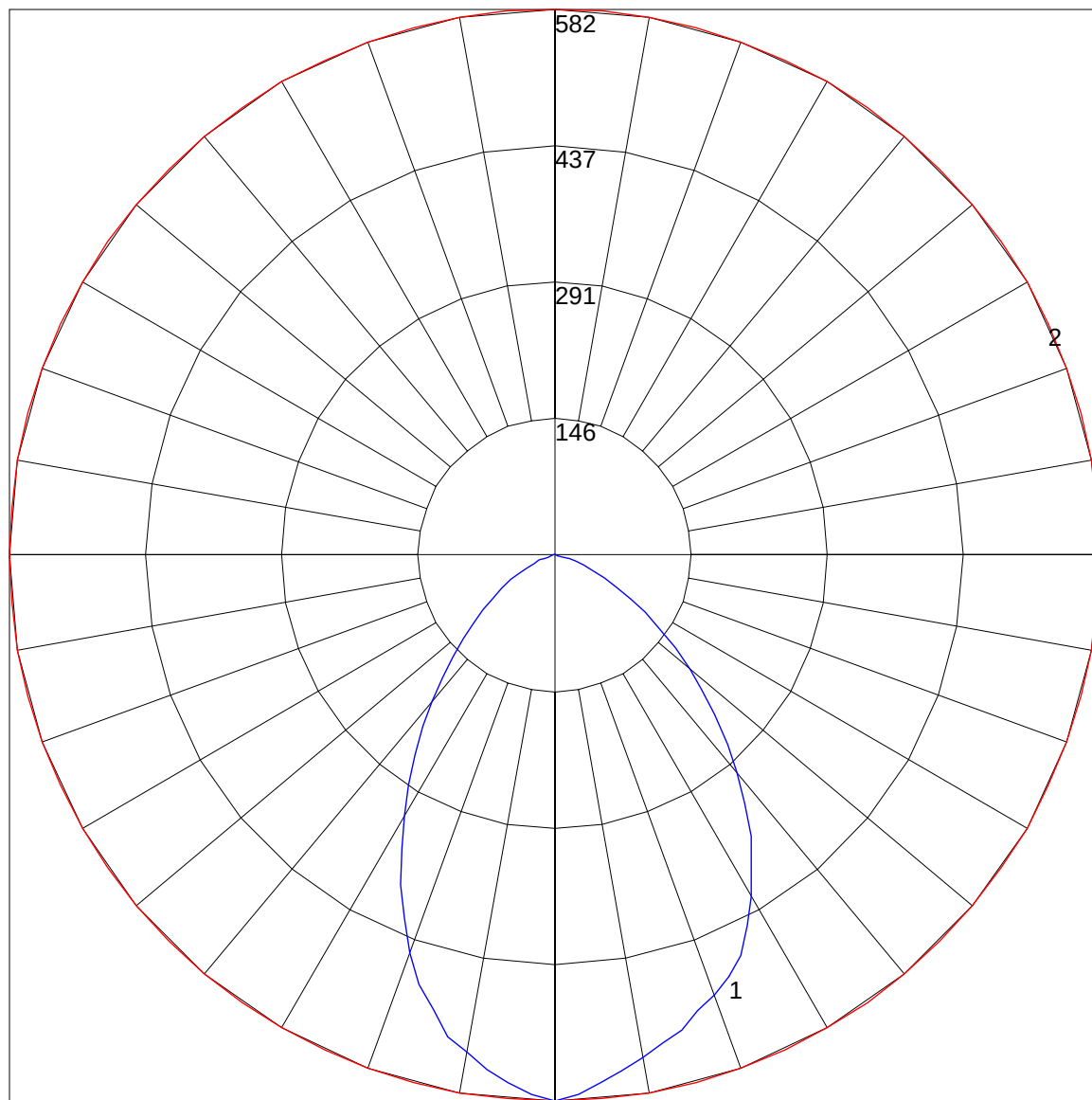
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 2483P.IES

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  | 37 | 37 | 37 | 37 | 36 | 36 | 36 | 36 | 35 | 35 | 35 | 33 | 33 | 33 | 32 | 32 | 32 | 31 |
| 1  | 35 | 34 | 33 | 32 | 34 | 33 | 32 | 31 | 32 | 31 | 30 | 30 | 30 | 29 | 29 | 29 | 28 | 28 |
| 2  | 32 | 30 | 28 | 27 | 31 | 30 | 28 | 27 | 29 | 27 | 26 | 28 | 26 | 26 | 27 | 26 | 25 | 24 |
| 3  | 30 | 27 | 25 | 23 | 29 | 27 | 25 | 23 | 26 | 24 | 23 | 25 | 24 | 22 | 24 | 23 | 22 | 22 |
| 4  | 28 | 25 | 22 | 21 | 27 | 24 | 22 | 20 | 23 | 22 | 20 | 23 | 21 | 20 | 22 | 21 | 20 | 19 |
| 5  | 26 | 22 | 20 | 18 | 25 | 22 | 20 | 18 | 21 | 19 | 18 | 21 | 19 | 18 | 20 | 19 | 18 | 17 |
| 6  | 24 | 20 | 18 | 16 | 23 | 20 | 18 | 16 | 20 | 18 | 16 | 19 | 17 | 16 | 19 | 17 | 16 | 15 |
| 7  | 22 | 19 | 16 | 15 | 22 | 19 | 16 | 15 | 18 | 16 | 15 | 18 | 16 | 14 | 17 | 16 | 14 | 14 |
| 8  | 21 | 17 | 15 | 13 | 21 | 17 | 15 | 13 | 17 | 15 | 13 | 16 | 14 | 13 | 16 | 14 | 13 | 13 |
| 9  | 20 | 16 | 14 | 12 | 19 | 16 | 14 | 12 | 15 | 13 | 12 | 15 | 13 | 12 | 15 | 13 | 12 | 11 |
| 10 | 19 | 15 | 13 | 11 | 18 | 15 | 13 | 11 | 14 | 12 | 11 | 14 | 12 | 11 | 14 | 12 | 11 | 11 |

POLAR GRAPH



Maximum Candela = 582.4 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.)