



**Photometric Report**

Number of lamps: 4  
 Lumens per lamp: 3050.00  
 Input watts: 104.00  
 Distribution: Semi-Direct  
 Efficiency: 83.4  
 Photometric type: C  
 Luminous shape: Rectangle  
 Units: Feet  
 Luminous Dimensions:  
 0-180 Axis: 7.980  
 90-270 Axis: 0.420  
 Height: 0.270  
 Spacing Criteria (0): 1.23  
 Spacing Criteria (90): 1.49  
 Spacing Criteria (Four Luminaires): 1.50

**Zonal Lumen Summary**

| Zone   | Lumens | %Lamp | %Fixt |
|--------|--------|-------|-------|
| 0-30   | 1545   | 13    | 15    |
| 0-40   | 2595   | 21    | 25    |
| 0-60   | 4964   | 41    | 49    |
| 0-90   | 7925   | 65    | 78    |
| 90-120 | 1651   | 14    | 16    |
| 90-150 | 2203   | 18    | 22    |
| 90-180 | 2255   | 18    | 22    |
| 0-180  | 10181  | 83    | 100   |

Total Luminaire Efficiency = 83%

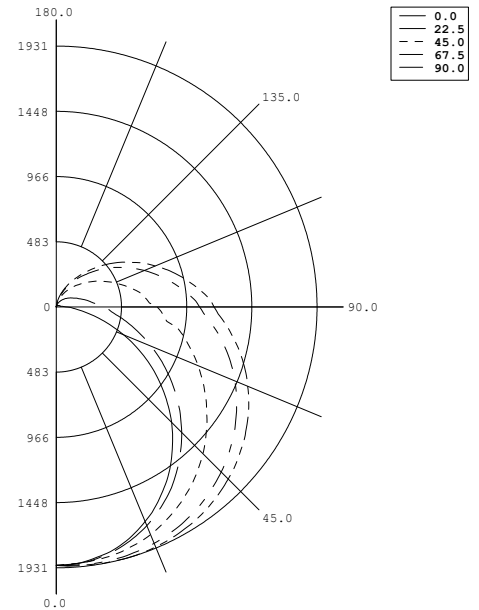
**Luminance Data in candela/square meter**

|      | 0.0  | 45.0 | 90.0 |
|------|------|------|------|
| 0.0  | 6144 | 6144 | 6144 |
| 45.0 | 5303 | 4719 | 4976 |
| 55.0 | 4898 | 4517 | 4968 |
| 65.0 | 4357 | 4426 | 5025 |
| 75.0 | 3603 | 4454 | 5180 |
| 85.0 | 3428 | 4557 | 5496 |

**Coefficients of Utilization**

pfc= 0.20

| pcc-    | 0.80 |     |     | 0.70 |     |     | 0.50 |     |     | 0.30 |     |     | 0.10 |     |     | 0.0 |     |
|---------|------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|-----|-----|
| pw->0.7 | 0.5  | 0.3 | 0.1 | 0.7  | 0.5 | 0.3 | 0.1  | 0.5 | 0.3 | 0.1  | 0.5 | 0.3 | 0.1  | 0.5 | 0.3 | 0.1 | 0.0 |
| RCR     |      |     |     |      |     |     |      |     |     |      |     |     |      |     |     |     |     |
| 0       | 95   | 95  | 95  | 95   | 91  | 91  | 91   | 91  | 82  | 82   | 82  | 75  | 75   | 75  | 68  | 68  | 65  |
| 1       | 84   | 79  | 74  | 70   | 79  | 75  | 71   | 67  | 68  | 64   | 61  | 61  | 59   | 56  | 55  | 53  | 51  |
| 2       | 75   | 67  | 60  | 55   | 71  | 64  | 58   | 53  | 58  | 53   | 49  | 52  | 48   | 45  | 47  | 44  | 41  |
| 3       | 68   | 58  | 50  | 44   | 64  | 55  | 48   | 43  | 50  | 44   | 40  | 45  | 40   | 37  | 41  | 37  | 34  |
| 4       | 62   | 51  | 43  | 37   | 58  | 48  | 41   | 35  | 44  | 38   | 33  | 40  | 35   | 31  | 36  | 32  | 28  |
| 5       | 56   | 45  | 37  | 31   | 53  | 43  | 36   | 30  | 39  | 33   | 28  | 35  | 30   | 26  | 32  | 28  | 24  |
| 6       | 52   | 40  | 32  | 27   | 49  | 38  | 31   | 26  | 35  | 29   | 24  | 32  | 27   | 23  | 29  | 24  | 21  |
| 7       | 48   | 36  | 29  | 23   | 45  | 35  | 28   | 23  | 32  | 26   | 21  | 29  | 24   | 20  | 26  | 22  | 18  |
| 8       | 44   | 33  | 26  | 20   | 42  | 31  | 25   | 20  | 29  | 23   | 19  | 26  | 21   | 17  | 24  | 20  | 16  |
| 9       | 41   | 30  | 23  | 18   | 39  | 29  | 22   | 18  | 26  | 21   | 17  | 24  | 19   | 16  | 22  | 18  | 15  |
| 10      | 39   | 28  | 21  | 16   | 37  | 26  | 20   | 16  | 24  | 19   | 15  | 22  | 18   | 14  | 21  | 16  | 13  |





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Candela Distribution

|       | 0.0  | 22.5 | 45.0 | 67.5 | 90.0 |
|-------|------|------|------|------|------|
| 0.0   | 1913 | 1913 | 1913 | 1913 | 1913 |
| 2.5   | 1913 | 1909 | 1905 | 1916 | 1920 |
| 5.0   | 1905 | 1905 | 1905 | 1915 | 1922 |
| 7.5   | 1890 | 1898 | 1899 | 1920 | 1923 |
| 10.0  | 1872 | 1881 | 1894 | 1919 | 1930 |
| 12.5  | 1855 | 1865 | 1886 | 1917 | 1929 |
| 15.0  | 1828 | 1842 | 1875 | 1915 | 1931 |
| 17.5  | 1797 | 1815 | 1858 | 1908 | 1931 |
| 20.0  | 1760 | 1785 | 1845 | 1903 | 1927 |
| 22.5  | 1719 | 1753 | 1824 | 1894 | 1923 |
| 25.0  | 1678 | 1714 | 1800 | 1883 | 1917 |
| 27.5  | 1628 | 1674 | 1773 | 1870 | 1909 |
| 30.0  | 1575 | 1632 | 1746 | 1856 | 1898 |
| 32.5  | 1524 | 1587 | 1716 | 1838 | 1889 |
| 35.0  | 1465 | 1534 | 1683 | 1821 | 1875 |
| 37.5  | 1402 | 1482 | 1651 | 1799 | 1859 |
| 40.0  | 1338 | 1426 | 1614 | 1776 | 1840 |
| 42.5  | 1274 | 1371 | 1574 | 1752 | 1822 |
| 45.0  | 1207 | 1313 | 1536 | 1727 | 1800 |
| 47.5  | 1135 | 1252 | 1494 | 1700 | 1780 |
| 50.0  | 1063 | 1193 | 1449 | 1671 | 1753 |
| 52.5  | 990  | 1129 | 1406 | 1640 | 1726 |
| 55.0  | 917  | 1067 | 1358 | 1610 | 1702 |
| 57.5  | 843  | 1006 | 1317 | 1574 | 1669 |
| 60.0  | 766  | 942  | 1271 | 1541 | 1640 |
| 62.5  | 689  | 882  | 1227 | 1504 | 1607 |
| 65.0  | 615  | 821  | 1180 | 1468 | 1573 |
| 67.5  | 538  | 758  | 1136 | 1431 | 1534 |
| 70.0  | 464  | 703  | 1091 | 1392 | 1500 |
| 72.5  | 393  | 645  | 1044 | 1352 | 1460 |
| 75.0  | 327  | 592  | 1000 | 1311 | 1419 |
| 77.5  | 265  | 541  | 959  | 1267 | 1377 |
| 80.0  | 209  | 495  | 913  | 1226 | 1331 |
| 82.5  | 161  | 447  | 825  | 1180 | 1290 |
| 85.0  | 129  | 410  | 800  | 1136 | 1245 |
| 87.5  | 107  | 386  | 777  | 1092 | 1200 |
| 90.0  | 80   | 350  | 746  | 1061 | 1168 |
| 92.5  | 60   | 315  | 690  | 1033 | 1144 |
| 95.0  | 50   | 289  | 670  | 992  | 1102 |
| 97.5  | 41   | 266  | 648  | 951  | 1058 |
| 100.0 | 32   | 248  | 627  | 909  | 1014 |
| 102.5 | 31   | 231  | 592  | 869  | 972  |
| 105.0 | 30   | 213  | 560  | 829  | 928  |
| 107.5 | 29   | 196  | 529  | 787  | 885  |
| 110.0 | 25   | 180  | 497  | 746  | 839  |
| 112.5 | 25   | 169  | 471  | 707  | 794  |
| 115.0 | 25   | 156  | 439  | 665  | 752  |
| 117.5 | 23   | 143  | 409  | 624  | 708  |
| 120.0 | 22   | 134  | 381  | 584  | 660  |
| 122.5 | 18   | 126  | 357  | 546  | 617  |
| 125.0 | 18   | 116  | 329  | 510  | 577  |
| 127.5 | 17   | 108  | 305  | 471  | 533  |
| 130.0 | 15   | 99   | 284  | 434  | 493  |
| 132.5 | 15   | 93   | 258  | 398  | 451  |
| 135.0 | 15   | 85   | 234  | 363  | 412  |
| 137.5 | 10   | 76   | 217  | 329  | 374  |
| 140.0 | 12   | 71   | 196  | 300  | 336  |
| 142.5 | 10   | 62   | 175  | 272  | 305  |
| 145.0 | 10   | 57   | 158  | 237  | 270  |
| 147.5 | 8    | 49   | 141  | 213  | 241  |
| 150.0 | 5    | 44   | 124  | 185  | 212  |
| 152.5 | 5    | 37   | 107  | 163  | 183  |
| 155.0 | 5    | 31   | 92   | 139  | 156  |
| 157.5 | 5    | 26   | 76   | 114  | 132  |
| 160.0 | 2    | 20   | 63   | 94   | 109  |
| 162.5 | 3    | 17   | 48   | 73   | 87   |
| 165.0 | 4    | 12   | 37   | 56   | 65   |
| 167.5 | 3    | 8    | 26   | 41   | 47   |
| 170.0 | 3    | 6    | 18   | 25   | 30   |
| 172.5 | 0    | 3    | 12   | 13   | 17   |
| 175.0 | 1    | 1    | 5    | 5    | 8    |
| 177.5 | 2    | 0    | 2    | 0    | 0    |
| 180.0 | 0    | 0    | 0    | 0    | 0    |