



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 44-48LED35DMVFR50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000657-016
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] 44-48LED35DMVFR50
 [LUMINAIRE] Catalog Number: 44-48LED35DMVFR50
 [MORE] Surface/pendant mounted, white formed steel housing and LED tray, frosted plastic lens
 [MORE] enclosure with white steel endcaps. 128 white LEDs, four Universal Lighting Technologies
 [MORE] Everline M10CC850D32N2S boards with 32 LED each. One Universal Lighting
 [MORE] Technologies Everline D10CC55UNVTZ-C LED driver set at 637mA.
 [MORE] 120.0Vac, 60.0Hz, 0.29A, 35.0W, 0.998PF, 5.14%THD(i)
 [OTHER] Absolute test - lamp lumens value set to -1
 [MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.
 [MORE] The sample was tested at a distance of 9.5m.
 [MORE] This IES file was extrapolated from 44-48LED57DMVFR30
 [DATE] The original file was created: Wednesday, October 12, 2016 2:57:52 PM
 [ISSUE DATE] Wednesday, October 12, 2016 2:57:52 PM

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 4662 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 133 |
| Total Luminaire Watts | 35 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.22 |
| Spacing Criterion (90-270) | 1.22 |
| Spacing Criterion (Diagonal) | 1.32 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 1.22 m |
| Luminous Width (90-270) | 0.11 m |
| Luminous Height | 0.03 m |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED35DMVFR50.IES

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 9781 | 8593 | 8134 |
| 55 | 8515 | 7266 | 6971 |
| 65 | 7097 | 5954 | 6021 |
| 75 | 5567 | 4772 | 5171 |
| 85 | 3883 | 3801 | 4432 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED35DMVFR50.IES

CANDELA TABULATION

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-------------|------------|-------------|-------------|-------------|-------------|
| 0.0 | 1654.627 | 1654.627 | 1654.627 | 1654.627 | 1654.627 |
| 0.5 | 1647.205 | 1649.551 | 1660.019 | 1659.455 | 1651.064 |
| 1.0 | 1646.910 | 1649.303 | 1659.792 | 1659.139 | 1650.919 |
| 1.5 | 1646.655 | 1648.932 | 1659.304 | 1658.747 | 1650.637 |
| 2.0 | 1646.153 | 1648.443 | 1658.760 | 1658.100 | 1650.087 |
| 2.5 | 1645.314 | 1647.714 | 1658.073 | 1657.385 | 1649.461 |
| 3.0 | 1644.433 | 1646.786 | 1657.117 | 1656.539 | 1648.581 |
| 3.5 | 1643.388 | 1645.733 | 1656.064 | 1655.555 | 1647.535 |
| 4.0 | 1642.088 | 1644.495 | 1654.902 | 1654.324 | 1646.442 |
| 4.5 | 1640.706 | 1643.223 | 1653.485 | 1652.907 | 1645.149 |
| 5.0 | 1639.131 | 1641.607 | 1651.889 | 1651.373 | 1643.670 |
| 5.5 | 1637.459 | 1639.873 | 1650.115 | 1649.709 | 1642.033 |
| 6.0 | 1635.499 | 1638.058 | 1648.278 | 1647.804 | 1640.197 |
| 6.5 | 1633.539 | 1636.049 | 1646.160 | 1645.747 | 1638.326 |
| 7.0 | 1631.255 | 1633.890 | 1643.938 | 1643.519 | 1636.070 |
| 7.5 | 1628.800 | 1631.572 | 1641.614 | 1641.084 | 1633.738 |
| 8.0 | 1626.420 | 1629.006 | 1639.014 | 1638.429 | 1631.083 |
| 8.5 | 1623.628 | 1626.303 | 1636.214 | 1635.609 | 1628.298 |
| 9.0 | 1620.835 | 1623.531 | 1633.305 | 1632.706 | 1625.560 |
| 9.5 | 1617.836 | 1620.498 | 1630.251 | 1629.653 | 1622.465 |
| 10.0 | 1614.714 | 1617.279 | 1626.970 | 1626.255 | 1619.246 |
| 10.5 | 1611.309 | 1613.957 | 1623.586 | 1622.692 | 1615.780 |
| 11.0 | 1607.953 | 1610.518 | 1619.996 | 1619.150 | 1612.141 |
| 11.5 | 1604.135 | 1606.804 | 1616.151 | 1615.223 | 1608.276 |
| 12.0 | 1600.407 | 1602.966 | 1612.238 | 1611.103 | 1604.293 |
| 12.5 | 1596.432 | 1599.032 | 1608.193 | 1606.962 | 1600.194 |
| 13.0 | 1592.181 | 1594.822 | 1603.853 | 1602.567 | 1595.868 |
| 13.5 | 1587.924 | 1590.517 | 1599.513 | 1598.007 | 1591.390 |
| 14.0 | 1583.426 | 1586.019 | 1594.767 | 1593.186 | 1586.541 |
| 14.5 | 1578.790 | 1581.266 | 1589.967 | 1588.103 | 1581.507 |
| 15.0 | 1573.920 | 1576.596 | 1585.083 | 1582.985 | 1576.513 |
| 15.5 | 1569.002 | 1571.630 | 1579.980 | 1577.696 | 1571.300 |
| 16.0 | 1563.755 | 1566.464 | 1574.505 | 1571.988 | 1565.825 |
| 16.5 | 1558.417 | 1561.045 | 1569.037 | 1566.444 | 1560.157 |
| 17.0 | 1552.949 | 1555.556 | 1563.321 | 1560.515 | 1554.132 |
| 17.5 | 1547.337 | 1549.875 | 1557.557 | 1554.435 | 1548.272 |
| 18.0 | 1541.525 | 1544.035 | 1551.415 | 1548.169 | 1542.054 |
| 18.5 | 1535.520 | 1538.038 | 1545.211 | 1541.752 | 1535.679 |
| 19.0 | 1529.254 | 1531.868 | 1538.726 | 1535.046 | 1528.979 |
| 19.5 | 1523.071 | 1525.499 | 1532.130 | 1528.353 | 1522.246 |
| 20.0 | 1516.682 | 1518.999 | 1525.485 | 1521.249 | 1515.299 |
| 20.5 | 1510.072 | 1512.225 | 1518.435 | 1513.985 | 1508.070 |
| 21.0 | 1503.125 | 1505.326 | 1511.379 | 1506.702 | 1500.807 |
| 21.5 | 1496.323 | 1498.345 | 1504.122 | 1499.225 | 1493.496 |
| 22.0 | 1489.059 | 1491.006 | 1496.570 | 1491.425 | 1485.559 |
| 22.5 | 1481.838 | 1483.557 | 1488.963 | 1483.475 | 1477.628 |
| 23.0 | 1474.251 | 1476.039 | 1481.205 | 1475.455 | 1469.602 |
| 23.5 | 1466.500 | 1468.212 | 1473.219 | 1466.974 | 1461.403 |
| 24.0 | 1458.858 | 1460.323 | 1465.035 | 1458.666 | 1453.019 |
| 24.5 | 1450.838 | 1452.193 | 1456.726 | 1450.006 | 1444.380 |
| 25.0 | 1442.599 | 1443.843 | 1448.067 | 1441.072 | 1435.542 |
| 25.5 | 1434.372 | 1435.445 | 1439.442 | 1432.103 | 1426.607 |
| 26.0 | 1425.906 | 1426.772 | 1430.617 | 1423.038 | 1417.570 |
| 26.5 | 1416.978 | 1417.838 | 1421.538 | 1413.594 | 1408.236 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED35DMVFR50.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 27.0 | 1408.181 | 1408.903 | 1412.253 | 1404.041 | 1398.738 |
| 27.5 | 1399.157 | 1399.769 | 1402.954 | 1394.411 | 1389.074 |
| 28.0 | 1389.714 | 1390.319 | 1393.311 | 1384.521 | 1379.252 |
| 28.5 | 1380.518 | 1380.855 | 1383.599 | 1374.472 | 1369.355 |
| 29.0 | 1370.882 | 1371.136 | 1373.805 | 1364.272 | 1359.265 |
| 29.5 | 1361.046 | 1361.149 | 1363.667 | 1353.955 | 1348.838 |
| 30.0 | 1351.272 | 1351.266 | 1353.515 | 1343.514 | 1338.473 |
| 30.5 | 1341.237 | 1341.100 | 1343.115 | 1332.784 | 1327.942 |
| 31.0 | 1330.769 | 1330.590 | 1332.489 | 1321.855 | 1317.068 |
| 31.5 | 1320.383 | 1320.088 | 1321.842 | 1310.974 | 1306.201 |
| 32.0 | 1309.846 | 1309.392 | 1311.084 | 1299.914 | 1295.224 |
| 32.5 | 1298.931 | 1298.484 | 1299.963 | 1288.607 | 1283.944 |
| 33.0 | 1288.050 | 1287.472 | 1288.882 | 1277.300 | 1272.650 |
| 33.5 | 1276.956 | 1276.419 | 1277.623 | 1265.806 | 1261.205 |
| 34.0 | 1265.573 | 1264.899 | 1266.130 | 1254.031 | 1249.671 |
| 34.5 | 1254.190 | 1253.467 | 1254.664 | 1242.394 | 1237.992 |
| 35.0 | 1242.600 | 1241.871 | 1243.027 | 1230.543 | 1226.217 |
| 35.5 | 1230.646 | 1229.938 | 1231.059 | 1218.410 | 1214.098 |
| 36.0 | 1218.665 | 1217.956 | 1219.098 | 1206.236 | 1202.116 |
| 36.5 | 1206.759 | 1206.078 | 1207.220 | 1194.151 | 1190.176 |
| 37.0 | 1194.275 | 1193.718 | 1194.936 | 1181.647 | 1177.754 |
| 37.5 | 1182.019 | 1181.393 | 1182.651 | 1169.287 | 1165.649 |
| 38.0 | 1169.453 | 1168.992 | 1170.305 | 1156.797 | 1153.303 |
| 38.5 | 1156.715 | 1156.281 | 1157.719 | 1144.025 | 1140.730 |
| 39.0 | 1143.921 | 1143.646 | 1145.242 | 1131.479 | 1128.281 |
| 39.5 | 1130.929 | 1130.860 | 1132.573 | 1118.762 | 1115.646 |
| 40.0 | 1117.565 | 1117.874 | 1119.546 | 1105.673 | 1102.880 |
| 40.5 | 1104.497 | 1104.971 | 1106.801 | 1093.024 | 1090.307 |
| 41.0 | 1091.181 | 1091.958 | 1094.001 | 1080.135 | 1077.652 |
| 41.5 | 1077.452 | 1078.725 | 1080.823 | 1067.087 | 1064.742 |
| 42.0 | 1064.033 | 1065.574 | 1067.851 | 1054.088 | 1052.066 |
| 42.5 | 1050.553 | 1052.341 | 1054.755 | 1041.123 | 1039.286 |
| 43.0 | 1036.687 | 1038.832 | 1041.309 | 1028.006 | 1026.321 |
| 43.5 | 1023.006 | 1025.489 | 1028.240 | 1014.918 | 1013.700 |
| 44.0 | 1009.168 | 1012.091 | 1014.835 | 1001.863 | 1000.887 |
| 44.5 | 995.123 | 998.417 | 1001.279 | 988.561 | 987.701 |
| 45.0 | 981.270 | 984.895 | 988.004 | 975.596 | 975.025 |
| 45.5 | 967.446 | 971.332 | 974.681 | 962.597 | 962.390 |
| 46.0 | 953.105 | 957.507 | 961.084 | 949.412 | 949.425 |
| 46.5 | 939.046 | 943.882 | 947.692 | 936.426 | 936.735 |
| 47.0 | 925.022 | 930.249 | 934.170 | 923.468 | 924.135 |
| 47.5 | 910.764 | 916.294 | 920.613 | 910.331 | 911.438 |
| 48.0 | 896.582 | 902.682 | 907.126 | 897.414 | 898.796 |
| 48.5 | 882.516 | 888.961 | 893.542 | 884.511 | 886.251 |
| 49.0 | 868.162 | 875.095 | 879.916 | 871.498 | 873.575 |
| 49.5 | 854.027 | 861.449 | 866.463 | 858.821 | 861.311 |
| 50.0 | 839.962 | 847.713 | 853.037 | 846.125 | 849.103 |
| 50.5 | 825.456 | 833.792 | 839.425 | 833.208 | 836.606 |
| 51.0 | 811.460 | 820.215 | 826.034 | 820.690 | 824.576 |
| 51.5 | 797.449 | 806.556 | 812.684 | 808.220 | 812.477 |
| 52.0 | 783.143 | 792.806 | 799.189 | 795.702 | 800.303 |
| 52.5 | 769.132 | 779.119 | 785.873 | 783.315 | 788.418 |
| 53.0 | 755.067 | 765.542 | 772.592 | 770.955 | 776.561 |
| 53.5 | 740.816 | 751.889 | 759.145 | 758.616 | 764.717 |
| 54.0 | 726.970 | 738.408 | 746.091 | 746.586 | 753.127 |
| 54.5 | 713.022 | 724.921 | 732.968 | 734.591 | 741.572 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED35DMVFR50.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|------|---------|---------|---------|---------|---------|
| 55.0 | 698.901 | 711.247 | 719.721 | 722.493 | 729.976 |
| 55.5 | 685.179 | 698.007 | 706.859 | 710.697 | 718.696 |
| 56.0 | 671.472 | 684.746 | 693.970 | 699.066 | 707.540 |
| 56.5 | 657.599 | 671.272 | 680.936 | 687.305 | 696.205 |
| 57.0 | 643.863 | 658.094 | 668.211 | 675.770 | 685.248 |
| 57.5 | 630.238 | 644.902 | 655.542 | 664.339 | 674.209 |
| 58.0 | 616.503 | 631.614 | 642.797 | 652.901 | 663.239 |
| 58.5 | 603.036 | 618.655 | 630.417 | 641.697 | 652.571 |
| 59.0 | 589.610 | 605.690 | 617.995 | 630.582 | 641.869 |
| 59.5 | 576.211 | 592.608 | 605.567 | 619.522 | 631.180 |
| 60.0 | 562.999 | 579.919 | 593.386 | 608.662 | 620.733 |
| 60.5 | 549.910 | 567.194 | 581.342 | 597.870 | 610.429 |
| 61.0 | 536.525 | 554.332 | 569.106 | 586.948 | 599.885 |
| 61.5 | 523.560 | 541.759 | 557.269 | 576.411 | 589.706 |
| 62.0 | 510.802 | 529.235 | 545.439 | 565.894 | 579.568 |
| 62.5 | 497.740 | 516.668 | 533.698 | 555.426 | 569.395 |
| 63.0 | 485.133 | 504.439 | 522.157 | 545.102 | 559.422 |
| 63.5 | 472.539 | 492.183 | 510.733 | 534.875 | 549.490 |
| 64.0 | 459.856 | 479.912 | 499.233 | 524.654 | 539.490 |
| 64.5 | 447.579 | 467.924 | 488.125 | 514.633 | 529.867 |
| 65.0 | 435.295 | 455.908 | 477.017 | 504.646 | 520.149 |
| 65.5 | 422.983 | 443.775 | 465.943 | 494.645 | 510.293 |
| 66.0 | 410.974 | 432.048 | 455.069 | 484.913 | 500.801 |
| 66.5 | 399.055 | 420.438 | 444.394 | 475.235 | 491.309 |
| 67.0 | 387.066 | 408.670 | 433.692 | 465.496 | 481.694 |
| 67.5 | 375.387 | 397.308 | 423.169 | 455.956 | 472.347 |
| 68.0 | 363.784 | 385.925 | 412.790 | 446.547 | 463.048 |
| 68.5 | 352.209 | 374.514 | 402.418 | 437.104 | 453.735 |
| 69.0 | 340.970 | 363.482 | 392.369 | 427.798 | 444.525 |
| 69.5 | 329.766 | 352.415 | 382.396 | 418.623 | 435.336 |
| 70.0 | 318.458 | 341.431 | 372.389 | 409.317 | 426.071 |
| 70.5 | 307.522 | 330.667 | 362.643 | 400.300 | 417.103 |
| 71.0 | 296.854 | 320.143 | 353.075 | 391.338 | 408.044 |
| 71.5 | 285.994 | 309.538 | 343.425 | 382.300 | 399.151 |
| 72.0 | 275.505 | 299.241 | 334.064 | 373.496 | 390.244 |
| 72.5 | 265.229 | 289.096 | 324.848 | 364.782 | 381.488 |
| 73.0 | 254.906 | 279.192 | 315.625 | 355.992 | 372.698 |
| 73.5 | 244.946 | 269.232 | 306.663 | 347.463 | 364.025 |
| 74.0 | 234.925 | 259.473 | 297.707 | 338.838 | 355.352 |
| 74.5 | 225.193 | 249.864 | 288.931 | 330.385 | 346.768 |
| 75.0 | 215.660 | 240.586 | 280.368 | 322.062 | 338.370 |
| 75.5 | 206.306 | 231.376 | 271.887 | 313.857 | 329.986 |
| 76.0 | 196.952 | 222.228 | 263.455 | 305.555 | 321.574 |
| 76.5 | 187.866 | 213.383 | 255.249 | 297.542 | 313.451 |
| 77.0 | 179.062 | 204.724 | 247.216 | 289.619 | 305.287 |
| 77.5 | 170.217 | 196.147 | 239.189 | 281.654 | 297.191 |
| 78.0 | 161.681 | 187.763 | 231.342 | 273.827 | 289.234 |
| 78.5 | 153.173 | 179.550 | 223.659 | 266.213 | 281.303 |
| 79.0 | 144.844 | 171.407 | 215.976 | 258.510 | 273.504 |
| 79.5 | 136.886 | 163.621 | 208.630 | 251.040 | 265.821 |
| 80.0 | 128.921 | 155.904 | 201.319 | 243.674 | 258.310 |
| 80.5 | 121.039 | 148.331 | 194.097 | 236.266 | 250.731 |
| 81.0 | 113.549 | 140.944 | 187.143 | 229.175 | 243.461 |
| 81.5 | 106.134 | 133.756 | 180.245 | 222.146 | 236.170 |
| 82.0 | 98.789 | 126.617 | 173.429 | 215.096 | 228.969 |
| 82.5 | 91.663 | 119.705 | 166.791 | 208.259 | 221.891 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED35DMVFR50.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|---------|---------|---------|---------|
| 83.0 | 84.744 | 112.978 | 160.319 | 201.498 | 214.993 |
| 83.5 | 77.893 | 106.299 | 153.813 | 194.833 | 208.121 |
| 84.0 | 71.160 | 99.848 | 147.623 | 188.313 | 201.477 |
| 84.5 | 64.626 | 93.513 | 141.432 | 181.944 | 194.888 |
| 85.0 | 58.085 | 87.213 | 135.332 | 175.540 | 188.292 |
| 85.5 | 51.908 | 81.195 | 129.389 | 169.412 | 182.013 |
| 86.0 | 45.642 | 75.197 | 123.563 | 163.256 | 175.699 |
| 86.5 | 39.459 | 69.227 | 117.683 | 157.162 | 169.419 |
| 87.0 | 33.427 | 63.401 | 111.960 | 151.233 | 163.483 |
| 87.5 | 27.402 | 57.665 | 106.437 | 145.621 | 157.816 |
| 88.0 | 21.452 | 51.901 | 100.914 | 140.463 | 152.609 |
| 88.5 | 15.524 | 46.275 | 95.900 | 136.116 | 148.221 |
| 89.0 | 9.588 | 40.917 | 91.897 | 132.333 | 144.466 |
| 89.5 | 0.000 | 36.522 | 88.712 | 129.018 | 141.054 |
| 90.0 | 0.000 | 33.936 | 86.119 | 126.115 | 138.028 |
| 90.5 | 0.000 | 32.560 | 84.166 | 123.749 | 135.510 |
| 91.0 | 0.000 | 32.395 | 83.024 | 121.954 | 133.598 |
| 91.5 | 0.000 | 32.389 | 82.632 | 120.929 | 132.326 |
| 92.0 | 0.000 | 32.272 | 82.405 | 120.269 | 131.425 |
| 92.5 | 0.000 | 32.134 | 82.130 | 119.663 | 130.586 |
| 93.0 | 0.000 | 32.127 | 81.855 | 119.072 | 129.884 |
| 93.5 | 0.000 | 32.045 | 81.614 | 118.535 | 129.196 |
| 94.0 | 0.000 | 31.962 | 81.332 | 117.965 | 128.543 |
| 94.5 | 0.000 | 31.859 | 81.140 | 117.442 | 127.924 |
| 95.0 | 0.000 | 31.776 | 80.810 | 116.919 | 127.243 |
| 95.5 | 0.000 | 31.659 | 80.624 | 116.396 | 126.617 |
| 96.0 | 0.000 | 31.625 | 80.335 | 115.908 | 126.074 |
| 96.5 | 0.000 | 31.508 | 80.039 | 115.378 | 125.496 |
| 97.0 | 0.000 | 31.432 | 79.771 | 115.021 | 125.008 |
| 97.5 | 0.000 | 31.309 | 79.503 | 114.512 | 124.485 |
| 98.0 | 0.000 | 31.171 | 79.241 | 114.065 | 123.976 |
| 98.5 | 0.000 | 31.123 | 78.898 | 113.563 | 123.439 |
| 99.0 | 0.000 | 31.027 | 78.657 | 113.122 | 122.992 |
| 99.5 | 0.000 | 30.979 | 78.285 | 112.730 | 122.511 |
| 100.0 | 0.000 | 30.903 | 77.983 | 112.228 | 122.029 |
| 100.5 | 0.000 | 30.793 | 77.701 | 111.829 | 121.576 |
| 101.0 | 0.000 | 30.628 | 77.384 | 111.396 | 121.087 |
| 101.5 | 0.000 | 30.566 | 77.068 | 110.942 | 120.654 |
| 102.0 | 0.000 | 30.456 | 76.731 | 110.481 | 120.207 |
| 102.5 | 0.000 | 30.325 | 76.408 | 110.055 | 119.808 |
| 103.0 | 0.000 | 30.270 | 76.078 | 109.546 | 119.320 |
| 103.5 | 0.000 | 30.181 | 75.692 | 109.092 | 118.831 |
| 104.0 | 0.000 | 30.022 | 75.369 | 108.610 | 118.370 |
| 104.5 | 0.000 | 29.892 | 74.977 | 108.108 | 117.848 |
| 105.0 | 0.000 | 29.782 | 74.654 | 107.572 | 117.414 |
| 105.5 | 0.000 | 29.651 | 74.234 | 107.097 | 116.905 |
| 106.0 | 0.000 | 29.513 | 73.801 | 106.533 | 116.314 |
| 106.5 | 0.000 | 29.397 | 73.464 | 106.073 | 115.839 |
| 107.0 | 0.000 | 29.273 | 73.024 | 105.426 | 115.282 |
| 107.5 | 0.000 | 29.149 | 72.611 | 104.821 | 114.643 |
| 108.0 | 0.000 | 28.984 | 72.205 | 104.298 | 114.044 |
| 108.5 | 0.000 | 28.867 | 71.744 | 103.658 | 113.439 |
| 109.0 | 0.000 | 28.716 | 71.270 | 103.039 | 112.868 |
| 109.5 | 0.000 | 28.530 | 70.781 | 102.365 | 112.194 |
| 110.0 | 0.000 | 28.324 | 70.334 | 101.684 | 111.472 |
| 110.5 | 0.000 | 28.172 | 69.839 | 101.045 | 110.798 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED35DMVFR50.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|-------|--------|--------|---------|---------|
| 111.0 | 0.000 | 28.000 | 69.344 | 100.371 | 110.014 |
| 111.5 | 0.000 | 27.835 | 68.931 | 99.690 | 109.353 |
| 112.0 | 0.000 | 27.560 | 68.319 | 98.913 | 108.583 |
| 112.5 | 0.000 | 27.347 | 67.838 | 98.183 | 107.833 |
| 113.0 | 0.000 | 27.182 | 67.267 | 97.434 | 107.022 |
| 113.5 | 0.000 | 27.010 | 66.758 | 96.677 | 106.183 |
| 114.0 | 0.000 | 26.783 | 66.166 | 95.914 | 105.350 |
| 114.5 | 0.000 | 26.590 | 65.575 | 95.075 | 104.525 |
| 115.0 | 0.000 | 26.315 | 65.038 | 94.284 | 103.679 |
| 115.5 | 0.000 | 26.074 | 64.454 | 93.431 | 102.819 |
| 116.0 | 0.000 | 25.937 | 63.835 | 92.605 | 101.911 |
| 116.5 | 0.000 | 25.689 | 63.236 | 91.697 | 101.017 |
| 117.0 | 0.000 | 25.449 | 62.631 | 90.831 | 100.068 |
| 117.5 | 0.000 | 25.187 | 62.053 | 90.019 | 99.153 |
| 118.0 | 0.000 | 24.988 | 61.386 | 89.139 | 98.149 |
| 118.5 | 0.000 | 24.726 | 60.691 | 88.272 | 97.193 |
| 119.0 | 0.000 | 24.451 | 60.093 | 87.364 | 96.120 |
| 119.5 | 0.000 | 24.252 | 59.488 | 86.463 | 95.150 |
| 120.0 | 0.000 | 23.990 | 58.800 | 85.507 | 94.112 |
| 120.5 | 0.000 | 23.819 | 58.181 | 84.593 | 93.114 |
| 121.0 | 0.000 | 23.598 | 57.548 | 83.636 | 91.993 |
| 121.5 | 0.000 | 23.378 | 56.984 | 82.605 | 90.982 |
| 122.0 | 0.000 | 23.144 | 56.351 | 81.676 | 89.909 |
| 122.5 | 0.000 | 22.917 | 55.636 | 80.645 | 88.871 |
| 123.0 | 0.000 | 22.697 | 54.976 | 79.709 | 87.791 |
| 123.5 | 0.000 | 22.484 | 54.302 | 78.726 | 86.732 |
| 124.0 | 0.000 | 22.285 | 53.628 | 77.749 | 85.686 |
| 124.5 | 0.000 | 22.085 | 52.974 | 76.772 | 84.572 |
| 125.0 | 0.000 | 21.879 | 52.293 | 75.823 | 83.513 |
| 125.5 | 0.000 | 21.645 | 51.668 | 74.853 | 82.405 |
| 126.0 | 0.000 | 21.494 | 50.987 | 73.863 | 81.346 |
| 126.5 | 0.000 | 21.308 | 50.354 | 72.900 | 80.294 |
| 127.0 | 0.000 | 21.026 | 49.687 | 71.882 | 79.152 |
| 127.5 | 0.000 | 20.882 | 49.013 | 70.926 | 78.113 |
| 128.0 | 0.000 | 20.641 | 48.387 | 69.936 | 77.034 |
| 128.5 | 0.000 | 20.414 | 47.733 | 68.979 | 75.954 |
| 129.0 | 0.000 | 20.221 | 47.094 | 67.982 | 74.853 |
| 129.5 | 0.000 | 20.029 | 46.461 | 67.088 | 73.773 |
| 130.0 | 0.000 | 19.816 | 45.746 | 66.084 | 72.632 |
| 130.5 | 0.000 | 19.554 | 45.168 | 65.148 | 71.579 |
| 131.0 | 0.000 | 19.334 | 44.480 | 64.151 | 70.499 |
| 131.5 | 0.000 | 19.148 | 43.833 | 63.216 | 69.509 |
| 132.0 | 0.000 | 18.942 | 43.235 | 62.246 | 68.381 |
| 132.5 | 0.000 | 18.688 | 42.568 | 61.304 | 67.315 |
| 133.0 | 0.000 | 18.474 | 41.935 | 60.354 | 66.311 |
| 133.5 | 0.000 | 18.206 | 41.330 | 59.337 | 65.252 |
| 134.0 | 0.000 | 18.013 | 40.683 | 58.449 | 64.144 |
| 134.5 | 0.000 | 17.780 | 40.044 | 57.452 | 63.037 |
| 135.0 | 0.000 | 17.553 | 39.452 | 56.510 | 61.978 |
| 135.5 | 0.000 | 17.257 | 38.785 | 55.595 | 60.939 |
| 136.0 | 0.000 | 17.106 | 38.125 | 54.659 | 59.859 |
| 136.5 | 0.000 | 16.879 | 37.526 | 53.724 | 58.862 |
| 137.0 | 0.000 | 16.597 | 36.866 | 52.747 | 57.789 |
| 137.5 | 0.000 | 16.335 | 36.261 | 51.833 | 56.750 |
| 138.0 | 0.000 | 16.074 | 35.656 | 50.849 | 55.691 |
| 138.5 | 0.000 | 15.840 | 35.023 | 49.969 | 54.735 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED35DMVFR50.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|-------|--------|--------|--------|--------|
| 139.0 | 0.000 | 15.558 | 34.383 | 49.026 | 53.614 |
| 139.5 | 0.000 | 15.310 | 33.833 | 48.132 | 52.665 |
| 140.0 | 0.000 | 15.056 | 33.159 | 47.252 | 51.640 |
| 140.5 | 0.000 | 14.795 | 32.595 | 46.351 | 50.629 |
| 141.0 | 0.000 | 14.478 | 31.990 | 45.409 | 49.659 |
| 141.5 | 0.000 | 14.265 | 31.398 | 44.569 | 48.703 |
| 142.0 | 0.000 | 13.983 | 30.786 | 43.689 | 47.726 |
| 142.5 | 0.000 | 13.687 | 30.153 | 42.822 | 46.791 |
| 143.0 | 0.000 | 13.378 | 29.603 | 41.990 | 45.794 |
| 143.5 | 0.000 | 13.048 | 28.998 | 41.110 | 44.838 |
| 144.0 | 0.000 | 12.821 | 28.406 | 40.284 | 43.957 |
| 144.5 | 0.000 | 12.518 | 27.856 | 39.459 | 43.022 |
| 145.0 | 0.000 | 12.222 | 27.285 | 38.579 | 42.121 |
| 145.5 | 0.000 | 11.906 | 26.755 | 37.781 | 41.158 |
| 146.0 | 0.000 | 11.631 | 26.185 | 36.962 | 40.319 |
| 146.5 | 0.000 | 11.362 | 25.579 | 36.165 | 39.383 |
| 147.0 | 0.000 | 11.025 | 25.050 | 35.353 | 38.510 |
| 147.5 | 0.000 | 10.750 | 24.479 | 34.507 | 37.616 |
| 148.0 | 0.000 | 10.489 | 23.942 | 33.730 | 36.777 |
| 148.5 | 0.000 | 10.145 | 23.426 | 32.959 | 35.951 |
| 149.0 | 0.000 | 9.897 | 22.856 | 32.210 | 35.078 |
| 149.5 | 0.000 | 9.629 | 22.305 | 31.453 | 34.163 |
| 150.0 | 0.000 | 9.306 | 21.776 | 30.683 | 33.324 |
| 150.5 | 0.000 | 9.017 | 21.232 | 29.954 | 32.533 |
| 151.0 | 0.000 | 8.763 | 20.772 | 29.149 | 31.721 |
| 151.5 | 0.000 | 8.481 | 20.221 | 28.434 | 30.951 |
| 152.0 | 0.000 | 8.199 | 19.705 | 27.705 | 30.167 |
| 152.5 | 0.000 | 7.965 | 19.203 | 27.003 | 29.321 |
| 153.0 | 0.000 | 7.710 | 18.722 | 26.253 | 28.557 |
| 153.5 | 0.000 | 7.497 | 18.192 | 25.586 | 27.890 |
| 154.0 | 0.000 | 7.188 | 17.683 | 24.898 | 27.037 |
| 154.5 | 0.000 | 6.926 | 17.174 | 24.183 | 26.343 |
| 155.0 | 0.000 | 6.720 | 16.659 | 23.550 | 25.566 |
| 155.5 | 0.000 | 6.424 | 16.198 | 22.842 | 24.843 |
| 156.0 | 0.000 | 6.211 | 15.689 | 22.209 | 24.121 |
| 156.5 | 0.000 | 5.970 | 15.200 | 21.549 | 23.413 |
| 157.0 | 0.000 | 5.757 | 14.643 | 20.916 | 22.752 |
| 157.5 | 0.000 | 5.516 | 14.155 | 20.331 | 22.078 |
| 158.0 | 0.000 | 5.365 | 13.660 | 19.705 | 21.418 |
| 158.5 | 0.000 | 5.076 | 13.109 | 19.121 | 20.765 |
| 159.0 | 0.000 | 4.904 | 12.614 | 18.516 | 20.098 |
| 159.5 | 0.000 | 4.725 | 12.160 | 17.972 | 19.458 |
| 160.0 | 0.000 | 4.464 | 11.665 | 17.319 | 18.825 |
| 160.5 | 0.000 | 4.271 | 11.197 | 16.734 | 18.213 |
| 161.0 | 0.000 | 0.000 | 10.730 | 16.156 | 17.566 |
| 161.5 | 0.000 | 0.000 | 10.234 | 15.551 | 16.934 |
| 162.0 | 0.000 | 0.000 | 9.856 | 15.008 | 16.342 |
| 162.5 | 0.000 | 0.000 | 9.388 | 14.458 | 15.702 |
| 163.0 | 0.000 | 0.000 | 8.976 | 13.880 | 15.063 |
| 163.5 | 0.000 | 0.000 | 8.549 | 13.316 | 14.478 |
| 164.0 | 0.000 | 0.000 | 8.047 | 12.793 | 13.914 |
| 164.5 | 0.000 | 0.000 | 7.710 | 12.229 | 13.316 |
| 165.0 | 0.000 | 0.000 | 7.249 | 11.699 | 12.731 |
| 165.5 | 0.000 | 0.000 | 6.844 | 11.177 | 12.112 |
| 166.0 | 0.000 | 0.000 | 6.424 | 10.585 | 11.500 |
| 166.5 | 0.000 | 0.000 | 6.094 | 10.014 | 10.984 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED35DMVFR50.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|-------|-------|-------|-------|--------|
| 167.0 | 0.000 | 0.000 | 5.661 | 9.512 | 10.358 |
| 167.5 | 0.000 | 0.000 | 5.262 | 8.955 | 9.842 |
| 168.0 | 0.000 | 0.000 | 4.890 | 8.419 | 9.217 |
| 168.5 | 0.000 | 0.000 | 4.560 | 7.855 | 8.694 |
| 169.0 | 0.000 | 0.000 | 4.147 | 7.346 | 8.144 |
| 169.5 | 0.000 | 0.000 | 0.000 | 6.864 | 7.586 |
| 170.0 | 0.000 | 0.000 | 0.000 | 6.335 | 7.091 |
| 170.5 | 0.000 | 0.000 | 0.000 | 5.791 | 6.458 |
| 171.0 | 0.000 | 0.000 | 0.000 | 5.248 | 5.922 |
| 171.5 | 0.000 | 0.000 | 0.000 | 4.773 | 5.372 |
| 172.0 | 0.000 | 0.000 | 0.000 | 4.244 | 4.849 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 4.340 |
| 173.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 173.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED35DMVFR50.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 601.86 | N.A. | 12.90 |
| 0-30 | 1265.97 | N.A. | 27.20 |
| 0-40 | 2038.84 | N.A. | 43.70 |
| 0-60 | 3437.91 | N.A. | 73.70 |
| 0-80 | 4211.01 | N.A. | 90.30 |
| 0-90 | 4355.52 | N.A. | 93.40 |
| 10-90 | 4199.13 | N.A. | 90.10 |
| 20-40 | 1436.98 | N.A. | 30.80 |
| 20-50 | 2193.97 | N.A. | 47.10 |
| 40-70 | 1874.46 | N.A. | 40.20 |
| 60-80 | 773.10 | N.A. | 16.60 |
| 70-80 | 297.71 | N.A. | 6.40 |
| 80-90 | 144.51 | N.A. | 3.10 |
| 90-110 | 151.67 | N.A. | 3.30 |
| 90-120 | 210.53 | N.A. | 4.50 |
| 90-130 | 253.65 | N.A. | 5.40 |
| 90-150 | 297.51 | N.A. | 6.40 |
| 90-180 | 306.59 | N.A. | 6.60 |
| 110-180 | 154.91 | N.A. | 3.30 |
| 0-180 | 4662.11 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 156.39 |
| 10-20 | 445.47 |
| 20-30 | 664.10 |
| 30-40 | 772.88 |
| 40-50 | 756.99 |
| 50-60 | 642.09 |
| 60-70 | 475.38 |
| 70-80 | 297.71 |
| 80-90 | 144.51 |
| 90-100 | 80.19 |
| 100-110 | 71.48 |
| 110-120 | 58.86 |
| 120-130 | 43.12 |
| 130-140 | 28.11 |
| 140-150 | 15.75 |
| 150-160 | 7.07 |
| 160-170 | 1.92 |
| 170-180 | 0.08 |

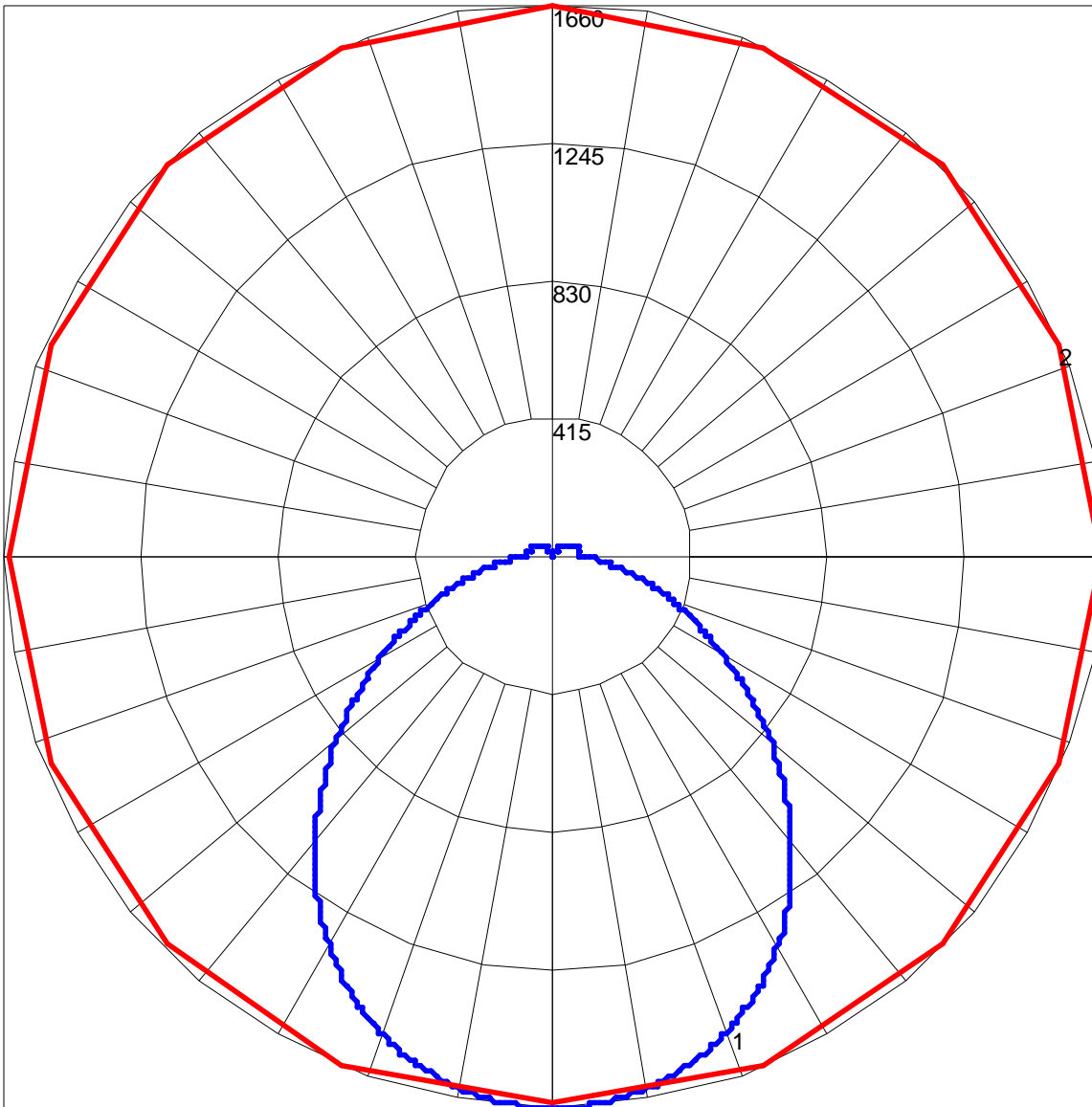
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED35DMVFR50.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC RW | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 117 | 117 | 117 | 117 | 114 | 114 | 114 | 114 | 107 | 107 | 107 | 101 | 101 | 101 | 96 | 96 | 96 | 93 |
| 1 | 107 | 102 | 98 | 94 | 104 | 99 | 95 | 92 | 94 | 91 | 88 | 89 | 86 | 84 | 84 | 82 | 80 | 78 |
| 2 | 97 | 89 | 82 | 77 | 94 | 87 | 81 | 75 | 82 | 77 | 73 | 78 | 74 | 70 | 74 | 70 | 67 | 65 |
| 3 | 89 | 79 | 70 | 64 | 86 | 76 | 69 | 63 | 73 | 66 | 61 | 69 | 64 | 59 | 66 | 61 | 57 | 55 |
| 4 | 82 | 70 | 61 | 55 | 79 | 68 | 60 | 54 | 65 | 58 | 52 | 62 | 56 | 51 | 59 | 54 | 50 | 47 |
| 5 | 75 | 63 | 54 | 47 | 73 | 61 | 53 | 47 | 58 | 51 | 45 | 55 | 49 | 44 | 53 | 48 | 43 | 41 |
| 6 | 69 | 56 | 48 | 41 | 67 | 55 | 47 | 41 | 53 | 45 | 40 | 50 | 44 | 39 | 48 | 43 | 38 | 36 |
| 7 | 64 | 51 | 43 | 37 | 62 | 50 | 42 | 36 | 48 | 41 | 35 | 46 | 40 | 35 | 44 | 38 | 34 | 32 |
| 8 | 60 | 47 | 38 | 33 | 58 | 46 | 38 | 32 | 44 | 37 | 32 | 42 | 36 | 31 | 41 | 35 | 31 | 29 |
| 9 | 56 | 43 | 35 | 29 | 54 | 42 | 34 | 29 | 41 | 34 | 29 | 39 | 33 | 28 | 38 | 32 | 28 | 26 |
| 10 | 53 | 40 | 32 | 27 | 51 | 39 | 32 | 27 | 38 | 31 | 26 | 36 | 30 | 26 | 35 | 29 | 25 | 24 |

POLAR GRAPH



Maximum Candela = 1660.019 Located At Horizontal Angle = 45, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)