



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VW4-LED35DMVSSF50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000535-xxx
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] VW4-LED35DMVSSF50
 [LUMINAIRE] Catalog Number: VW4-LED35DMVSSF50
 [MORE] Pendant/surface mounted, white plastic vapor tight housing, white enamel internal reflector
 [MORE] with frosted acrylic lens enclosure
 [MORE] 128 White LEDs
 [MORE] One Universal Lighting Technologies, Everline D10CC55UNVTZ-C LED power supply, output set at 637mA
 [OTHER] Report Extrapolated from LLIA000535-001 VW4-LED23DMVSSF30
 [MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.
 [DATE] This file created: August 17, 2017
 [ISSUE DATE] This file created: Thursday, August 17, 2017

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 4584 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 132 |
| Total Luminaire Watts | 34.7 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.24 |
| Spacing Criterion (90-270) | 1.28 |
| Spacing Criterion (Diagonal) | 1.40 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 1.28 m |
| Luminous Width (90-270) | 0.15 m |
| Luminous Height | 0.04 m |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45 | 6962 | 6308 | 6089 |
| 55 | 6135 | 5598 | 5417 |
| 65 | 4998 | 4614 | 4372 |
| 75 | 3709 | 3323 | 3040 |
| 85 | 2089 | 2143 | 1711 |

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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> |
|------|------------|-------------|-------------|-------------|-------------|
| 0.0 | 1569.408 | 1569.408 | 1569.408 | 1569.408 | 1569.408 |
| 0.5 | 1555.210 | 1570.133 | 1572.495 | 1573.606 | 1566.723 |
| 1.0 | 1554.824 | 1569.732 | 1572.248 | 1573.498 | 1566.584 |
| 1.5 | 1554.608 | 1569.655 | 1571.985 | 1573.127 | 1566.445 |
| 2.0 | 1553.976 | 1569.069 | 1571.507 | 1572.819 | 1566.105 |
| 2.5 | 1553.451 | 1568.498 | 1570.874 | 1572.186 | 1565.704 |
| 3.0 | 1552.556 | 1567.942 | 1570.303 | 1571.538 | 1565.149 |
| 3.5 | 1551.661 | 1566.954 | 1569.300 | 1570.782 | 1564.300 |
| 4.0 | 1550.750 | 1565.951 | 1568.405 | 1569.871 | 1563.513 |
| 4.5 | 1549.438 | 1564.794 | 1567.294 | 1568.744 | 1562.494 |
| 5.0 | 1548.157 | 1563.544 | 1566.121 | 1567.633 | 1561.630 |
| 5.5 | 1546.707 | 1562.201 | 1564.562 | 1566.399 | 1560.395 |
| 6.0 | 1545.071 | 1560.642 | 1563.189 | 1565.056 | 1559.130 |
| 6.5 | 1543.481 | 1559.037 | 1561.661 | 1563.451 | 1557.648 |
| 7.0 | 1541.568 | 1557.340 | 1560.010 | 1561.738 | 1555.874 |
| 7.5 | 1539.685 | 1555.210 | 1558.096 | 1559.902 | 1554.300 |
| 8.0 | 1537.525 | 1553.358 | 1555.966 | 1558.003 | 1552.432 |
| 8.5 | 1535.318 | 1551.059 | 1553.852 | 1555.935 | 1550.426 |
| 9.0 | 1532.710 | 1548.651 | 1551.584 | 1553.651 | 1548.435 |
| 9.5 | 1530.240 | 1546.275 | 1549.238 | 1551.398 | 1546.336 |
| 10.0 | 1527.571 | 1543.589 | 1546.861 | 1548.991 | 1543.852 |
| 10.5 | 1524.700 | 1540.981 | 1544.083 | 1546.398 | 1541.290 |
| 11.0 | 1522.015 | 1538.080 | 1541.275 | 1543.512 | 1538.728 |
| 11.5 | 1518.789 | 1535.071 | 1538.404 | 1540.611 | 1535.781 |
| 12.0 | 1515.688 | 1531.907 | 1535.240 | 1537.679 | 1532.895 |
| 12.5 | 1512.123 | 1528.589 | 1532.031 | 1534.500 | 1530.055 |
| 13.0 | 1508.774 | 1525.240 | 1528.713 | 1531.105 | 1526.660 |
| 13.5 | 1505.163 | 1521.722 | 1525.333 | 1527.879 | 1523.512 |
| 14.0 | 1501.428 | 1518.110 | 1521.861 | 1524.391 | 1520.148 |
| 14.5 | 1497.477 | 1514.160 | 1518.110 | 1520.641 | 1516.475 |
| 15.0 | 1493.357 | 1510.348 | 1514.252 | 1516.737 | 1512.755 |
| 15.5 | 1489.144 | 1506.166 | 1510.178 | 1512.833 | 1509.005 |
| 16.0 | 1484.853 | 1502.061 | 1506.104 | 1508.635 | 1504.993 |
| 16.5 | 1480.563 | 1497.678 | 1501.875 | 1504.622 | 1500.980 |
| 17.0 | 1475.918 | 1493.249 | 1497.446 | 1500.224 | 1496.875 |
| 17.5 | 1470.933 | 1488.480 | 1492.971 | 1495.764 | 1492.492 |
| 18.0 | 1466.304 | 1483.681 | 1488.326 | 1491.165 | 1487.909 |
| 18.5 | 1461.381 | 1478.819 | 1483.572 | 1486.335 | 1483.387 |
| 19.0 | 1456.134 | 1473.665 | 1478.603 | 1481.474 | 1478.696 |
| 19.5 | 1450.994 | 1468.433 | 1473.572 | 1476.582 | 1473.912 |
| 20.0 | 1445.593 | 1463.094 | 1468.449 | 1471.566 | 1468.788 |
| 20.5 | 1439.899 | 1457.507 | 1463.171 | 1466.180 | 1463.649 |
| 21.0 | 1434.389 | 1451.905 | 1457.893 | 1461.087 | 1458.695 |
| 21.5 | 1428.679 | 1446.195 | 1452.399 | 1455.701 | 1453.417 |
| 22.0 | 1422.568 | 1440.223 | 1446.596 | 1449.914 | 1447.893 |
| 22.5 | 1416.580 | 1434.204 | 1440.747 | 1444.374 | 1442.383 |
| 23.0 | 1410.314 | 1428.015 | 1434.806 | 1438.602 | 1436.966 |
| 23.5 | 1403.833 | 1421.426 | 1428.725 | 1432.553 | 1430.963 |
| 24.0 | 1397.289 | 1415.098 | 1422.522 | 1426.704 | 1425.222 |
| 24.5 | 1390.700 | 1408.432 | 1416.349 | 1420.469 | 1419.342 |
| 25.0 | 1383.740 | 1401.657 | 1409.882 | 1414.296 | 1413.262 |
| 25.5 | 1376.749 | 1394.650 | 1403.416 | 1407.984 | 1407.166 |
| 26.0 | 1369.866 | 1387.768 | 1396.749 | 1401.580 | 1401.055 |
| 26.5 | 1362.520 | 1380.514 | 1389.959 | 1394.882 | 1394.542 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|----------|----------|----------|----------|----------|
| 27.0 | 1355.051 | 1373.168 | 1383.030 | 1388.107 | 1388.061 |
| 27.5 | 1347.689 | 1365.853 | 1376.162 | 1381.456 | 1381.533 |
| 28.0 | 1339.819 | 1358.122 | 1368.909 | 1374.557 | 1374.943 |
| 28.5 | 1332.072 | 1350.575 | 1361.887 | 1367.505 | 1368.276 |
| 29.0 | 1324.201 | 1342.689 | 1354.402 | 1360.344 | 1361.455 |
| 29.5 | 1315.929 | 1334.664 | 1346.918 | 1353.199 | 1354.433 |
| 30.0 | 1307.580 | 1326.624 | 1339.387 | 1345.992 | 1347.304 |
| 30.5 | 1299.308 | 1318.398 | 1331.856 | 1338.569 | 1340.282 |
| 31.0 | 1290.543 | 1309.864 | 1323.970 | 1330.791 | 1332.735 |
| 31.5 | 1281.793 | 1301.438 | 1316.176 | 1323.368 | 1325.328 |
| 32.0 | 1272.981 | 1292.734 | 1308.167 | 1315.667 | 1317.889 |
| 32.5 | 1263.829 | 1283.876 | 1300.018 | 1307.704 | 1310.034 |
| 33.0 | 1254.539 | 1274.925 | 1291.808 | 1299.787 | 1301.963 |
| 33.5 | 1245.434 | 1265.851 | 1283.598 | 1291.638 | 1294.092 |
| 34.0 | 1235.711 | 1256.530 | 1275.203 | 1283.398 | 1286.145 |
| 34.5 | 1226.097 | 1247.332 | 1266.638 | 1274.941 | 1277.641 |
| 35.0 | 1216.390 | 1237.949 | 1258.088 | 1266.499 | 1269.416 |
| 35.5 | 1206.173 | 1228.180 | 1249.353 | 1257.687 | 1260.635 |
| 36.0 | 1195.926 | 1218.504 | 1240.495 | 1248.968 | 1252.039 |
| 36.5 | 1185.818 | 1208.673 | 1231.683 | 1240.094 | 1243.304 |
| 37.0 | 1175.092 | 1198.581 | 1222.593 | 1231.066 | 1234.214 |
| 37.5 | 1164.583 | 1188.519 | 1213.565 | 1221.837 | 1225.279 |
| 38.0 | 1153.734 | 1178.271 | 1204.337 | 1212.732 | 1216.096 |
| 38.5 | 1142.761 | 1167.885 | 1195.000 | 1203.272 | 1206.667 |
| 39.0 | 1131.665 | 1157.654 | 1185.648 | 1193.781 | 1197.454 |
| 39.5 | 1120.569 | 1146.959 | 1176.188 | 1184.074 | 1187.978 |
| 40.0 | 1109.010 | 1136.264 | 1166.481 | 1174.382 | 1178.240 |
| 40.5 | 1097.498 | 1125.430 | 1156.882 | 1164.567 | 1168.395 |
| 41.0 | 1085.846 | 1114.720 | 1146.974 | 1154.598 | 1158.888 |
| 41.5 | 1073.886 | 1103.640 | 1136.897 | 1144.443 | 1148.764 |
| 42.0 | 1062.157 | 1092.544 | 1126.804 | 1134.289 | 1138.564 |
| 42.5 | 1050.120 | 1081.355 | 1116.649 | 1124.134 | 1128.733 |
| 43.0 | 1037.974 | 1070.120 | 1106.248 | 1113.578 | 1118.455 |
| 43.5 | 1025.659 | 1058.623 | 1095.831 | 1103.362 | 1108.331 |
| 44.0 | 1013.144 | 1047.095 | 1085.291 | 1092.775 | 1098.084 |
| 44.5 | 1000.782 | 1035.521 | 1074.395 | 1082.019 | 1087.559 |
| 45.0 | 988.205 | 1023.962 | 1063.670 | 1071.417 | 1077.297 |
| 45.5 | 975.303 | 1012.233 | 1052.929 | 1060.737 | 1066.849 |
| 46.0 | 962.340 | 1000.319 | 1041.663 | 1049.749 | 1056.123 |
| 46.5 | 949.546 | 988.421 | 1030.721 | 1039.055 | 1045.629 |
| 47.0 | 936.660 | 976.538 | 1019.533 | 1028.175 | 1035.166 |
| 47.5 | 923.141 | 964.284 | 1008.113 | 1016.986 | 1024.332 |
| 48.0 | 910.055 | 952.262 | 996.723 | 1006.076 | 1013.529 |
| 48.5 | 896.675 | 940.040 | 985.164 | 994.918 | 1002.619 |
| 49.0 | 883.032 | 927.663 | 973.513 | 983.637 | 991.430 |
| 49.5 | 869.714 | 915.332 | 961.661 | 972.479 | 980.396 |
| 50.0 | 856.056 | 902.925 | 950.056 | 961.229 | 969.284 |
| 50.5 | 842.182 | 890.270 | 937.879 | 949.531 | 957.772 |
| 51.0 | 828.617 | 877.677 | 925.857 | 938.173 | 946.506 |
| 51.5 | 814.821 | 865.254 | 913.974 | 926.583 | 935.086 |
| 52.0 | 800.823 | 852.337 | 901.582 | 914.885 | 923.481 |
| 52.5 | 786.857 | 839.574 | 889.375 | 903.187 | 911.737 |
| 53.0 | 772.798 | 826.812 | 877.044 | 891.242 | 900.209 |
| 53.5 | 758.646 | 813.709 | 864.513 | 879.143 | 888.218 |
| 54.0 | 744.788 | 800.839 | 852.291 | 867.245 | 876.412 |
| 54.5 | 730.775 | 787.937 | 839.821 | 855.362 | 864.529 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|------|---------|---------|---------|---------|---------|
| 55.0 | 716.392 | 774.557 | 826.904 | 842.815 | 852.121 |
| 55.5 | 702.426 | 761.671 | 814.404 | 830.809 | 840.114 |
| 56.0 | 688.104 | 748.538 | 801.780 | 818.540 | 828.046 |
| 56.5 | 673.814 | 735.266 | 788.848 | 805.993 | 815.361 |
| 57.0 | 659.878 | 721.963 | 776.023 | 793.524 | 802.829 |
| 57.5 | 645.804 | 708.892 | 763.168 | 780.915 | 790.206 |
| 58.0 | 631.544 | 695.327 | 749.927 | 768.106 | 777.196 |
| 58.5 | 617.331 | 682.101 | 737.072 | 755.421 | 764.372 |
| 59.0 | 603.334 | 668.891 | 724.062 | 742.488 | 751.053 |
| 59.5 | 589.290 | 655.264 | 710.589 | 729.247 | 737.427 |
| 60.0 | 575.385 | 642.085 | 697.611 | 716.299 | 724.170 |
| 60.5 | 561.434 | 628.766 | 684.447 | 703.074 | 710.605 |
| 61.0 | 547.607 | 615.170 | 671.082 | 689.323 | 696.376 |
| 61.5 | 533.718 | 601.976 | 657.687 | 675.943 | 682.579 |
| 62.0 | 520.183 | 588.688 | 644.477 | 662.363 | 668.320 |
| 62.5 | 506.356 | 575.293 | 630.896 | 648.381 | 653.844 |
| 63.0 | 492.960 | 561.990 | 617.670 | 634.523 | 639.492 |
| 63.5 | 479.627 | 548.795 | 604.213 | 620.525 | 624.846 |
| 64.0 | 466.247 | 535.492 | 590.818 | 606.096 | 609.939 |
| 64.5 | 453.006 | 522.498 | 577.500 | 592.114 | 595.679 |
| 65.0 | 440.181 | 509.519 | 564.181 | 578.009 | 581.049 |
| 65.5 | 427.079 | 496.139 | 550.601 | 563.348 | 566.172 |
| 66.0 | 414.285 | 483.284 | 537.221 | 549.088 | 551.758 |
| 66.5 | 401.662 | 470.367 | 523.995 | 535.014 | 537.591 |
| 67.0 | 388.914 | 457.543 | 510.553 | 520.693 | 523.193 |
| 67.5 | 376.815 | 444.657 | 497.251 | 506.541 | 509.103 |
| 68.0 | 364.639 | 432.110 | 484.025 | 492.652 | 495.399 |
| 68.5 | 352.324 | 419.409 | 470.738 | 478.562 | 481.633 |
| 69.0 | 340.564 | 406.924 | 457.635 | 465.074 | 468.500 |
| 69.5 | 328.867 | 394.624 | 444.533 | 451.725 | 455.212 |
| 70.0 | 317.122 | 382.263 | 431.369 | 438.221 | 442.002 |
| 70.5 | 305.625 | 370.179 | 418.637 | 425.505 | 429.255 |
| 71.0 | 294.437 | 358.265 | 405.859 | 412.835 | 416.523 |
| 71.5 | 283.156 | 346.074 | 393.035 | 399.964 | 404.007 |
| 72.0 | 272.461 | 334.546 | 380.581 | 387.834 | 391.569 |
| 72.5 | 261.673 | 322.910 | 368.297 | 375.612 | 379.192 |
| 73.0 | 250.932 | 311.443 | 356.136 | 363.466 | 366.722 |
| 73.5 | 240.608 | 300.023 | 344.098 | 351.691 | 354.485 |
| 74.0 | 230.129 | 288.912 | 332.370 | 339.654 | 342.169 |
| 74.5 | 220.052 | 277.878 | 320.734 | 328.049 | 329.823 |
| 75.0 | 210.222 | 267.090 | 309.591 | 316.690 | 317.601 |
| 75.5 | 200.406 | 256.488 | 298.542 | 305.255 | 305.579 |
| 76.0 | 190.699 | 245.948 | 287.615 | 293.727 | 293.665 |
| 76.5 | 181.316 | 235.901 | 277.137 | 282.600 | 282.013 |
| 77.0 | 171.949 | 225.885 | 266.766 | 271.535 | 270.624 |
| 77.5 | 162.782 | 216.040 | 256.473 | 260.639 | 259.297 |
| 78.0 | 153.816 | 206.471 | 246.719 | 250.053 | 248.263 |
| 78.5 | 144.896 | 197.150 | 236.981 | 239.821 | 237.614 |
| 79.0 | 136.331 | 188.030 | 227.352 | 229.420 | 227.136 |
| 79.5 | 127.797 | 179.357 | 218.185 | 219.697 | 216.888 |
| 80.0 | 119.741 | 170.853 | 209.080 | 210.052 | 207.058 |
| 80.5 | 111.407 | 162.551 | 200.129 | 200.638 | 197.413 |
| 81.0 | 103.598 | 154.603 | 191.517 | 191.486 | 187.968 |
| 81.5 | 95.928 | 146.902 | 183.184 | 182.752 | 179.002 |
| 82.0 | 88.475 | 139.417 | 175.097 | 173.971 | 170.097 |
| 82.5 | 81.067 | 132.210 | 167.103 | 165.776 | 161.671 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|--------|---------|---------|---------|---------|
| 83.0 | 74.261 | 125.435 | 159.495 | 157.751 | 153.739 |
| 83.5 | 67.440 | 118.614 | 151.871 | 150.019 | 145.991 |
| 84.0 | 61.298 | 112.457 | 144.803 | 142.673 | 138.646 |
| 84.5 | 55.094 | 106.237 | 137.843 | 135.652 | 131.531 |
| 85.0 | 49.245 | 100.388 | 131.145 | 128.784 | 124.648 |
| 85.5 | 44.013 | 94.771 | 124.772 | 122.411 | 118.444 |
| 86.0 | 39.091 | 89.493 | 118.769 | 116.284 | 112.117 |
| 86.5 | 34.461 | 84.246 | 112.796 | 110.312 | 106.314 |
| 87.0 | 30.232 | 79.447 | 107.240 | 104.802 | 101.067 |
| 87.5 | 26.775 | 74.755 | 101.993 | 99.617 | 95.759 |
| 88.0 | 23.565 | 70.264 | 96.870 | 94.524 | 91.021 |
| 88.5 | 20.896 | 66.082 | 92.009 | 89.894 | 86.407 |
| 89.0 | 18.997 | 62.131 | 87.456 | 85.465 | 82.055 |
| 89.5 | 17.300 | 58.150 | 83.135 | 81.206 | 77.795 |
| 90.0 | 16.173 | 54.755 | 78.937 | 77.317 | 74.122 |
| 90.5 | 15.402 | 51.390 | 75.172 | 73.613 | 70.588 |
| 91.0 | 15.016 | 48.196 | 71.360 | 69.986 | 67.162 |
| 91.5 | 14.753 | 45.264 | 67.996 | 66.807 | 63.983 |
| 92.0 | 14.507 | 42.455 | 64.647 | 63.752 | 61.113 |
| 92.5 | 14.105 | 39.924 | 61.560 | 60.603 | 58.181 |
| 93.0 | 13.982 | 37.393 | 58.566 | 58.011 | 55.588 |
| 93.5 | 13.627 | 35.094 | 55.835 | 55.418 | 53.258 |
| 94.0 | 13.457 | 32.964 | 53.196 | 52.964 | 50.912 |
| 94.5 | 13.303 | 30.988 | 50.835 | 50.727 | 48.813 |
| 95.0 | 13.133 | 29.106 | 48.489 | 48.582 | 46.760 |
| 95.5 | 12.794 | 27.223 | 46.297 | 46.606 | 44.816 |
| 96.0 | 12.577 | 25.603 | 44.106 | 44.708 | 43.088 |
| 96.5 | 12.562 | 24.013 | 42.270 | 42.964 | 41.467 |
| 97.0 | 12.439 | 22.562 | 40.341 | 41.220 | 39.816 |
| 97.5 | 12.408 | 21.204 | 38.566 | 39.692 | 38.381 |
| 98.0 | 12.115 | 19.846 | 36.961 | 38.180 | 36.884 |
| 98.5 | 12.006 | 18.720 | 35.232 | 36.915 | 35.680 |
| 99.0 | 11.821 | 17.655 | 33.705 | 35.433 | 34.430 |
| 99.5 | 11.636 | 16.559 | 32.038 | 34.198 | 33.149 |
| 100.0 | 11.528 | 15.679 | 30.695 | 32.933 | 32.115 |
| 100.5 | 11.574 | 14.908 | 29.152 | 31.806 | 31.019 |
| 101.0 | 11.173 | 14.090 | 27.732 | 30.649 | 29.985 |
| 101.5 | 10.988 | 13.334 | 26.544 | 29.646 | 28.982 |
| 102.0 | 10.756 | 12.686 | 25.217 | 28.550 | 28.118 |
| 102.5 | 10.633 | 12.115 | 24.075 | 27.670 | 27.146 |
| 103.0 | 10.525 | 11.513 | 23.072 | 26.636 | 26.328 |
| 103.5 | 10.201 | 10.942 | 21.960 | 25.711 | 25.587 |
| 104.0 | 10.031 | 10.402 | 21.019 | 24.707 | 24.707 |
| 104.5 | 9.831 | 10.031 | 19.892 | 23.874 | 23.766 |
| 105.0 | 9.506 | 9.506 | 18.951 | 23.041 | 23.226 |
| 105.5 | 9.368 | 9.043 | 18.149 | 22.238 | 22.470 |
| 106.0 | 9.105 | 8.735 | 17.284 | 21.436 | 21.868 |
| 106.5 | 8.935 | 8.395 | 16.544 | 20.926 | 21.004 |
| 107.0 | 8.719 | 8.071 | 15.695 | 20.170 | 20.602 |
| 107.5 | 8.457 | 7.685 | 14.985 | 19.399 | 19.985 |
| 108.0 | 8.148 | 7.361 | 14.321 | 18.905 | 19.368 |
| 108.5 | 7.824 | 7.161 | 13.689 | 18.241 | 18.797 |
| 109.0 | 7.593 | 6.698 | 12.994 | 17.670 | 18.118 |
| 109.5 | 7.361 | 6.621 | 12.469 | 17.022 | 17.578 |
| 110.0 | 7.222 | 6.497 | 11.868 | 16.513 | 17.176 |
| 110.5 | 7.006 | 6.204 | 11.204 | 15.865 | 16.575 |

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CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|-------|-------|--------|--------|--------|
| 111.0 | 6.837 | 6.050 | 10.864 | 15.263 | 16.158 |
| 111.5 | 6.651 | 5.942 | 10.201 | 14.769 | 15.571 |
| 112.0 | 6.420 | 5.787 | 9.584 | 14.290 | 15.108 |
| 112.5 | 6.158 | 5.741 | 9.213 | 13.704 | 14.738 |
| 113.0 | 6.065 | 5.556 | 8.550 | 13.349 | 14.275 |
| 113.5 | 5.864 | 5.479 | 8.241 | 12.809 | 13.689 |
| 114.0 | 5.664 | 5.324 | 7.901 | 12.423 | 13.411 |
| 114.5 | 5.633 | 5.201 | 7.361 | 11.914 | 12.871 |
| 115.0 | 5.340 | 5.108 | 6.960 | 11.312 | 12.485 |
| 115.5 | 5.216 | 4.954 | 6.605 | 10.973 | 12.006 |
| 116.0 | 4.985 | 4.815 | 6.312 | 10.540 | 11.960 |
| 116.5 | 4.985 | 4.691 | 5.911 | 10.232 | 11.435 |
| 117.0 | 4.846 | 4.568 | 5.556 | 9.722 | 11.081 |
| 117.5 | 4.753 | 4.460 | 5.170 | 9.352 | 10.602 |
| 118.0 | 4.614 | 4.460 | 4.938 | 9.043 | 10.232 |
| 118.5 | 4.429 | 4.259 | 4.553 | 8.550 | 9.923 |
| 119.0 | 4.414 | 4.259 | 4.306 | 8.287 | 9.553 |
| 119.5 | 4.259 | 4.059 | 4.105 | 7.747 | 9.167 |
| 120.0 | 4.120 | 3.997 | 3.874 | 7.608 | 8.889 |
| 120.5 | 4.151 | 3.935 | 3.673 | 7.192 | 8.596 |
| 121.0 | 4.043 | 3.904 | 3.411 | 6.898 | 8.226 |
| 121.5 | 3.982 | 3.812 | 3.164 | 6.651 | 7.747 |
| 122.0 | 3.827 | 3.735 | 2.978 | 6.266 | 7.485 |
| 122.5 | 3.920 | 3.642 | 2.840 | 6.003 | 7.361 |
| 123.0 | 3.704 | 3.549 | 2.762 | 5.679 | 6.852 |
| 123.5 | 3.719 | 3.534 | 2.485 | 5.479 | 6.590 |
| 124.0 | 3.658 | 3.380 | 2.423 | 5.185 | 6.420 |
| 124.5 | 3.519 | 3.441 | 2.423 | 4.923 | 6.204 |
| 125.0 | 3.519 | 3.349 | 2.299 | 4.722 | 5.818 |
| 125.5 | 3.549 | 3.303 | 2.299 | 4.537 | 5.556 |
| 126.0 | 3.457 | 3.210 | 2.130 | 4.229 | 5.463 |
| 126.5 | 3.457 | 3.241 | 2.253 | 4.167 | 5.232 |
| 127.0 | 3.333 | 3.210 | 2.269 | 3.858 | 4.938 |
| 127.5 | 3.303 | 3.102 | 2.269 | 3.704 | 4.614 |
| 128.0 | 3.364 | 3.117 | 2.330 | 3.534 | 4.429 |
| 128.5 | 3.148 | 3.133 | 2.315 | 3.303 | 4.290 |
| 129.0 | 3.225 | 2.978 | 2.253 | 3.164 | 4.059 |
| 129.5 | 3.195 | 3.056 | 2.423 | 2.963 | 3.904 |
| 130.0 | 3.071 | 2.994 | 2.330 | 2.793 | 3.688 |
| 130.5 | 3.086 | 2.917 | 2.361 | 2.747 | 3.658 |
| 131.0 | 3.148 | 2.886 | 2.377 | 2.593 | 3.225 |
| 131.5 | 3.117 | 2.870 | 2.438 | 2.593 | 3.164 |
| 132.0 | 2.901 | 2.840 | 2.377 | 2.485 | 2.978 |
| 132.5 | 2.886 | 2.732 | 2.315 | 2.469 | 2.932 |
| 133.0 | 2.824 | 2.809 | 2.361 | 2.407 | 2.716 |
| 133.5 | 2.747 | 2.654 | 2.454 | 2.407 | 2.716 |
| 134.0 | 2.793 | 2.732 | 2.269 | 2.346 | 2.562 |
| 134.5 | 2.762 | 2.685 | 2.438 | 2.407 | 2.407 |
| 135.0 | 2.793 | 2.732 | 2.361 | 2.361 | 2.469 |
| 135.5 | 2.670 | 2.654 | 2.407 | 2.346 | 2.377 |
| 136.0 | 2.624 | 2.654 | 2.269 | 2.438 | 2.346 |
| 136.5 | 2.608 | 2.562 | 2.346 | 2.392 | 2.346 |
| 137.0 | 2.701 | 2.593 | 2.299 | 2.299 | 2.392 |
| 137.5 | 2.562 | 2.469 | 2.330 | 2.299 | 2.222 |
| 138.0 | 2.593 | 2.469 | 2.284 | 2.407 | 2.315 |
| 138.5 | 2.377 | 2.438 | 2.145 | 2.330 | 2.284 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VW4-LED35DMVSSF50.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|-------|-------|-------|-------|-------|
| 139.0 | 2.593 | 2.407 | 2.269 | 2.284 | 2.176 |
| 139.5 | 2.531 | 2.330 | 2.253 | 2.269 | 2.222 |
| 140.0 | 2.377 | 2.407 | 2.269 | 2.284 | 2.346 |
| 140.5 | 2.377 | 2.330 | 2.130 | 2.191 | 2.161 |
| 141.0 | 2.423 | 2.238 | 2.176 | 2.191 | 2.207 |
| 141.5 | 2.423 | 2.207 | 2.161 | 2.191 | 2.145 |
| 142.0 | 2.315 | 2.253 | 2.161 | 2.130 | 2.114 |
| 142.5 | 2.161 | 2.253 | 2.130 | 2.222 | 2.068 |
| 143.0 | 2.315 | 2.207 | 2.191 | 2.176 | 2.161 |
| 143.5 | 2.207 | 2.222 | 2.053 | 2.053 | 2.145 |
| 144.0 | 2.161 | 2.191 | 2.130 | 2.145 | 2.253 |
| 144.5 | 2.083 | 2.161 | 1.975 | 2.130 | 2.037 |
| 145.0 | 2.222 | 2.161 | 2.037 | 2.053 | 2.099 |
| 145.5 | 2.068 | 2.083 | 1.944 | 2.114 | 2.037 |
| 146.0 | 2.053 | 2.083 | 2.006 | 2.022 | 2.037 |
| 146.5 | 2.022 | 2.083 | 2.022 | 2.006 | 2.006 |
| 147.0 | 2.114 | 2.053 | 2.022 | 1.991 | 1.960 |
| 147.5 | 2.006 | 1.991 | 2.006 | 1.898 | 1.883 |
| 148.0 | 2.145 | 1.975 | 1.975 | 1.975 | 1.836 |
| 148.5 | 1.991 | 1.914 | 1.883 | 1.944 | 1.836 |
| 149.0 | 1.960 | 1.852 | 1.898 | 1.914 | 1.775 |
| 149.5 | 1.806 | 1.898 | 1.914 | 1.898 | 1.744 |
| 150.0 | 1.821 | 1.944 | 1.775 | 1.759 | 1.744 |
| 150.5 | 1.790 | 1.852 | 1.775 | 1.682 | 1.682 |
| 151.0 | 1.759 | 1.836 | 1.744 | 1.698 | 1.636 |
| 151.5 | 1.759 | 1.744 | 1.698 | 1.667 | 1.636 |
| 152.0 | 1.790 | 1.682 | 1.574 | 1.512 | 1.574 |
| 152.5 | 1.713 | 1.605 | 1.651 | 1.620 | 1.574 |
| 153.0 | 1.698 | 1.605 | 1.559 | 1.605 | 1.497 |
| 153.5 | 1.451 | 1.620 | 1.528 | 1.466 | 1.574 |
| 154.0 | 1.528 | 1.512 | 1.512 | 1.528 | 1.404 |
| 154.5 | 1.590 | 1.528 | 1.435 | 1.451 | 1.482 |
| 155.0 | 1.466 | 1.543 | 1.466 | 1.451 | 1.312 |
| 155.5 | 1.466 | 1.497 | 1.435 | 1.327 | 1.281 |
| 156.0 | 1.543 | 1.451 | 1.482 | 1.373 | 1.327 |
| 156.5 | 1.451 | 1.435 | 1.420 | 1.435 | 1.389 |
| 157.0 | 1.512 | 1.358 | 1.343 | 1.296 | 1.358 |
| 157.5 | 1.373 | 1.420 | 1.281 | 1.358 | 1.358 |
| 158.0 | 1.343 | 1.327 | 1.373 | 1.281 | 1.296 |
| 158.5 | 1.343 | 1.373 | 1.327 | 1.343 | 1.296 |
| 159.0 | 1.327 | 1.404 | 1.312 | 1.281 | 1.173 |
| 159.5 | 1.451 | 1.420 | 1.296 | 1.327 | 1.235 |
| 160.0 | 1.389 | 1.296 | 1.327 | 1.281 | 1.173 |
| 160.5 | 1.296 | 1.389 | 1.265 | 1.188 | 1.250 |
| 161.0 | 1.358 | 1.373 | 1.327 | 1.281 | 1.250 |
| 161.5 | 1.157 | 1.265 | 1.250 | 1.235 | 1.157 |
| 162.0 | 1.219 | 1.281 | 1.296 | 1.142 | 1.312 |
| 162.5 | 1.296 | 1.204 | 1.219 | 1.204 | 1.157 |
| 163.0 | 1.296 | 1.265 | 1.250 | 1.173 | 1.188 |
| 163.5 | 1.296 | 1.235 | 1.204 | 1.188 | 1.204 |
| 164.0 | 1.296 | 1.265 | 1.142 | 1.235 | 1.250 |
| 164.5 | 1.281 | 1.327 | 1.219 | 1.142 | 1.157 |
| 165.0 | 1.188 | 1.235 | 1.235 | 1.204 | 1.188 |
| 165.5 | 1.296 | 1.235 | 1.219 | 1.188 | 1.204 |
| 166.0 | 1.312 | 1.188 | 1.173 | 1.111 | 1.111 |
| 166.5 | 1.173 | 1.142 | 1.204 | 1.080 | 1.173 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VW4-LED35DMVSSF50.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|--------------|-------|-------|-------|-------|-------|
| 167.0 | 1.250 | 1.358 | 1.204 | 1.096 | 1.204 |
| 167.5 | 1.235 | 1.250 | 1.127 | 1.188 | 1.096 |
| 168.0 | 1.204 | 1.296 | 1.080 | 1.096 | 1.065 |
| 168.5 | 1.219 | 1.250 | 1.142 | 1.127 | 1.142 |
| 169.0 | 1.235 | 1.219 | 1.188 | 1.065 | 1.142 |
| 169.5 | 1.157 | 1.219 | 1.157 | 1.127 | 1.142 |
| 170.0 | 1.204 | 1.127 | 1.127 | 1.173 | 1.111 |
| 170.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 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 : VW4-LED35DMVSSF50.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 575.09 | N.A. | 12.50 |
| 0-30 | 1223.1 | N.A. | 26.70 |
| 0-40 | 2005.49 | N.A. | 43.70 |
| 0-60 | 3534.37 | N.A. | 77.10 |
| 0-80 | 4377.75 | N.A. | 95.50 |
| 0-90 | 4504.9 | N.A. | 98.30 |
| 10-90 | 4356.31 | N.A. | 95.00 |
| 20-40 | 1430.4 | N.A. | 31.20 |
| 20-50 | 2238.3 | N.A. | 48.80 |
| 40-70 | 2064.05 | N.A. | 45.00 |
| 60-80 | 843.38 | N.A. | 18.40 |
| 70-80 | 308.21 | N.A. | 6.70 |
| 80-90 | 127.16 | N.A. | 2.80 |
| 90-110 | 63.22 | N.A. | 1.40 |
| 90-120 | 71.47 | N.A. | 1.60 |
| 90-130 | 75.01 | N.A. | 1.60 |
| 90-150 | 78.28 | N.A. | 1.70 |
| 90-180 | 79.33 | N.A. | 1.70 |
| 110-180 | 16.11 | N.A. | 0.40 |
| 0-180 | 4584.24 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 148.59 |
| 10-20 | 426.50 |
| 20-30 | 648.01 |
| 30-40 | 782.39 |
| 40-50 | 807.90 |
| 50-60 | 720.97 |
| 60-70 | 535.17 |
| 70-80 | 308.21 |
| 80-90 | 127.16 |
| 90-100 | 44.65 |
| 100-110 | 18.57 |
| 110-120 | 8.25 |
| 120-130 | 3.54 |
| 130-140 | 1.96 |
| 140-150 | 1.31 |
| 150-160 | 0.70 |
| 160-170 | 0.35 |
| 170-180 | 0.01 |

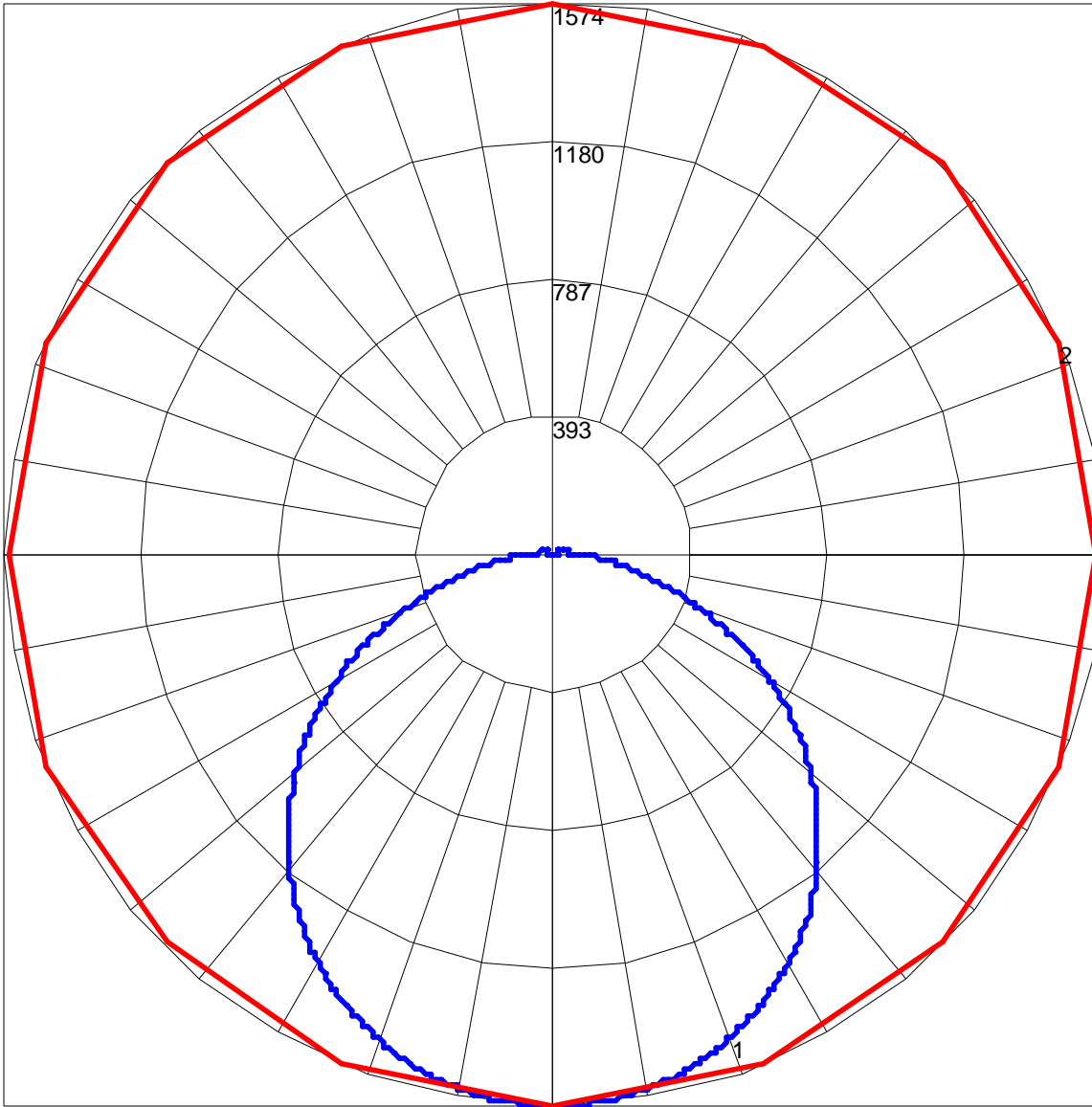
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VW4-LED35DMVSSF50.IES

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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 | 98 |
| 1 | 108 | 103 | 99 | 95 | 105 | 101 | 97 | 93 | 96 | 93 | 90 | 92 | 89 | 87 | 88 | 86 | 84 | 82 |
| 2 | 98 | 90 | 83 | 77 | 95 | 88 | 81 | 76 | 84 | 79 | 74 | 80 | 76 | 72 | 77 | 73 | 70 | 68 |
| 3 | 89 | 79 | 71 | 64 | 87 | 77 | 69 | 63 | 74 | 67 | 62 | 71 | 65 | 61 | 68 | 63 | 59 | 57 |
| 4 | 82 | 70 | 61 | 54 | 79 | 68 | 60 | 54 | 66 | 58 | 53 | 63 | 57 | 52 | 61 | 55 | 51 | 49 |
| 5 | 75 | 62 | 53 | 47 | 73 | 61 | 53 | 46 | 59 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 44 | 42 |
| 6 | 70 | 56 | 47 | 41 | 67 | 55 | 47 | 40 | 53 | 46 | 40 | 51 | 45 | 39 | 49 | 44 | 39 | 37 |
| 7 | 64 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 48 | 41 | 35 | 47 | 40 | 35 | 45 | 39 | 35 | 33 |
| 8 | 60 | 46 | 38 | 32 | 58 | 46 | 37 | 32 | 44 | 37 | 32 | 43 | 36 | 31 | 41 | 35 | 31 | 29 |
| 9 | 56 | 43 | 34 | 29 | 55 | 42 | 34 | 29 | 41 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 |
| 10 | 53 | 39 | 31 | 26 | 51 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 36 | 30 | 25 | 24 |

POLAR GRAPH



Maximum Candela = 1573.606 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)