



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-6-00-L8-835U-L8-835D-FA-R-(L6U)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13012869.06
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 03-28-2023
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MX2WUD-6-00-L8-835U-L8-835D-FA-R-(L6U)-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing, frosted plastic lens
 [LAMP] 144 White LEDs
 [BALLAST] One Philips Advance XI040C110V054BST1
 [_ CONVERT] Photometric web converted from original test data
 [_ CONVERT] Luminaire test position and photometric web converted from original test data

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 7678 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 114 |
| Total Luminaire Watts | 67.6 |
| Ballast Factor | 1.00 |
| CIE Type | General Diffuse |
| Spacing Criterion (0-180) | N.A. |
| Spacing Criterion (90-270) | N.A. |
| Spacing Criterion (Diagonal) | N.A. |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 6.00 ft |
| Luminous Width (90-270) | 0.17 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 15320 | 14064 | 12960 |
| 55 | 13616 | 12285 | 11157 |
| 65 | 11798 | 10538 | 9561 |
| 75 | 9702 | 8903 | 8293 |
| 85 | 7178 | 7787 | 7820 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-6-00-L8-835U-L8-835D-FA-R-(L6U)-DIM-UNV_.IES

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> |
|-------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| 0.0 | 1812.861 | 1812.861 | 1812.861 | 1812.861 | 1812.861 | 1812.861 | 1812.861 | 1812.861 | 1812.861 | 1812.861 |
| 2.5 | 1806.176 | 1811.524 | 1810.187 | 1807.513 | 1818.208 | 1807.513 | 1810.187 | 1811.524 | 1806.176 | 1811.524 |
| 5.0 | 1796.818 | 1803.502 | 1802.165 | 1798.155 | 1806.176 | 1798.155 | 1802.165 | 1803.502 | 1796.818 | 1803.502 |
| 7.5 | 1783.449 | 1788.796 | 1786.122 | 1779.438 | 1787.459 | 1779.438 | 1786.122 | 1788.796 | 1783.449 | 1788.796 |
| 10.0 | 1763.395 | 1768.743 | 1762.058 | 1752.699 | 1759.384 | 1752.699 | 1762.058 | 1768.743 | 1763.395 | 1768.743 |
| 12.5 | 1737.993 | 1742.004 | 1729.972 | 1715.266 | 1719.277 | 1715.266 | 1729.972 | 1742.004 | 1737.993 | 1742.004 |
| 15.0 | 1707.244 | 1708.581 | 1691.201 | 1671.148 | 1672.484 | 1671.148 | 1691.201 | 1708.581 | 1707.244 | 1708.581 |
| 17.5 | 1671.148 | 1671.148 | 1647.083 | 1619.008 | 1617.671 | 1619.008 | 1647.083 | 1671.148 | 1671.148 | 1671.148 |
| 20.0 | 1628.366 | 1625.692 | 1594.943 | 1561.520 | 1558.846 | 1561.520 | 1594.943 | 1625.692 | 1628.366 | 1625.692 |
| 22.5 | 1581.574 | 1576.226 | 1537.456 | 1500.022 | 1493.337 | 1500.022 | 1537.456 | 1576.226 | 1581.574 | 1576.226 |
| 25.0 | 1530.771 | 1521.413 | 1477.294 | 1433.176 | 1425.155 | 1433.176 | 1477.294 | 1521.413 | 1530.771 | 1521.413 |
| 27.5 | 1473.284 | 1461.251 | 1413.122 | 1363.656 | 1354.298 | 1363.656 | 1413.122 | 1461.251 | 1473.284 | 1461.251 |
| 30.0 | 1413.122 | 1398.416 | 1346.276 | 1293.201 | 1281.971 | 1293.201 | 1346.276 | 1398.416 | 1413.122 | 1398.416 |
| 32.5 | 1351.624 | 1333.709 | 1276.623 | 1222.612 | 1209.376 | 1222.612 | 1276.623 | 1333.709 | 1351.624 | 1333.709 |
| 35.0 | 1286.382 | 1266.596 | 1206.970 | 1150.552 | 1137.316 | 1150.552 | 1206.970 | 1266.596 | 1286.382 | 1266.596 |
| 37.5 | 1218.333 | 1197.477 | 1137.182 | 1078.893 | 1065.657 | 1078.893 | 1137.182 | 1197.477 | 1218.333 | 1197.477 |
| 40.0 | 1148.413 | 1127.690 | 1066.727 | 1008.036 | 994.667 | 1008.036 | 1066.727 | 1127.690 | 1148.413 | 1127.690 |
| 42.5 | 1079.027 | 1057.770 | 996.405 | 938.383 | 923.409 | 938.383 | 996.405 | 1057.770 | 1079.027 | 1057.770 |
| 45.0 | 1009.373 | 987.047 | 926.618 | 868.863 | 853.890 | 868.863 | 926.618 | 987.047 | 1009.373 | 987.047 |
| 47.5 | 938.516 | 916.190 | 856.964 | 800.948 | 786.509 | 800.948 | 856.964 | 916.190 | 938.516 | 916.190 |
| 50.0 | 866.991 | 845.868 | 788.648 | 735.572 | 721.936 | 735.572 | 788.648 | 845.868 | 866.991 | 845.868 |
| 52.5 | 796.669 | 777.150 | 721.802 | 672.069 | 658.432 | 672.069 | 721.802 | 777.150 | 796.669 | 777.150 |
| 55.0 | 727.684 | 709.101 | 656.560 | 609.635 | 596.265 | 609.635 | 656.560 | 709.101 | 727.684 | 709.101 |
| 57.5 | 659.635 | 642.122 | 593.324 | 549.473 | 537.307 | 549.473 | 593.324 | 642.122 | 659.635 | 642.122 |
| 60.0 | 592.656 | 576.746 | 531.425 | 492.521 | 481.558 | 492.521 | 531.425 | 576.746 | 592.656 | 576.746 |
| 62.5 | 527.147 | 513.778 | 471.798 | 438.242 | 427.947 | 438.242 | 471.798 | 513.778 | 527.147 | 513.778 |
| 65.0 | 464.579 | 452.547 | 414.979 | 385.968 | 376.476 | 385.968 | 414.979 | 452.547 | 464.579 | 452.547 |
| 67.5 | 403.749 | 392.519 | 360.700 | 335.834 | 327.679 | 335.834 | 360.700 | 392.519 | 403.749 | 392.519 |
| 70.0 | 343.722 | 334.497 | 308.427 | 288.774 | 282.624 | 288.774 | 308.427 | 334.497 | 343.722 | 334.497 |
| 72.5 | 286.502 | 279.951 | 260.031 | 245.859 | 239.843 | 245.859 | 260.031 | 279.951 | 286.502 | 279.951 |
| 75.0 | 233.961 | 228.747 | 214.709 | 204.816 | 200.003 | 204.816 | 214.709 | 228.747 | 233.961 | 228.747 |
| 77.5 | 184.361 | 180.484 | 172.061 | 164.976 | 161.767 | 164.976 | 172.061 | 180.484 | 184.361 | 180.484 |
| 80.0 | 137.301 | 135.430 | 132.221 | 128.077 | 126.339 | 128.077 | 132.221 | 135.430 | 137.301 | 135.430 |
| 82.5 | 94.921 | 95.590 | 95.857 | 94.520 | 93.584 | 94.520 | 95.857 | 95.590 | 94.921 | 95.590 |
| 85.0 | 58.290 | 60.696 | 63.236 | 63.905 | 63.504 | 63.905 | 63.236 | 60.696 | 58.290 | 60.696 |
| 87.5 | 27.674 | 30.348 | 34.359 | 36.364 | 36.632 | 36.364 | 34.359 | 30.348 | 27.674 | 30.348 |
| 90.0 | 13.497 | 19.496 | 24.995 | 27.494 | 28.245 | 27.494 | 24.995 | 19.496 | 13.497 | 19.496 |
| 92.5 | 24.066 | 26.391 | 29.880 | 31.623 | 31.855 | 31.623 | 29.880 | 26.391 | 24.066 | 26.391 |
| 95.0 | 50.690 | 52.783 | 54.993 | 55.573 | 55.225 | 55.573 | 54.993 | 52.783 | 50.690 | 52.783 |
| 97.5 | 82.545 | 83.126 | 83.359 | 82.197 | 81.384 | 82.197 | 83.359 | 83.126 | 82.545 | 83.126 |
| 100.0 | 119.402 | 117.772 | 114.984 | 111.380 | 109.868 | 111.380 | 114.984 | 117.772 | 119.402 | 117.772 |
| 102.5 | 160.325 | 156.954 | 149.630 | 143.468 | 140.677 | 143.468 | 149.630 | 156.954 | 160.325 | 156.954 |
| 105.0 | 203.459 | 198.924 | 186.716 | 178.114 | 173.929 | 178.114 | 186.716 | 198.924 | 203.459 | 198.924 |
| 107.5 | 249.148 | 243.451 | 226.128 | 213.806 | 208.573 | 213.806 | 226.128 | 243.451 | 249.148 | 243.451 |
| 110.0 | 298.910 | 290.888 | 268.216 | 251.125 | 245.777 | 251.125 | 268.216 | 290.888 | 298.910 | 290.888 |
| 112.5 | 351.111 | 341.345 | 313.675 | 292.049 | 284.958 | 292.049 | 313.675 | 341.345 | 351.111 | 341.345 |
| 115.0 | 404.009 | 393.547 | 360.876 | 335.648 | 327.393 | 335.648 | 360.876 | 393.547 | 404.009 | 393.547 |
| 117.5 | 458.421 | 446.795 | 410.287 | 381.107 | 372.154 | 381.107 | 410.287 | 446.795 | 458.421 | 446.795 |
| 120.0 | 515.389 | 501.553 | 462.141 | 428.308 | 418.774 | 428.308 | 462.141 | 501.553 | 515.389 | 501.553 |
| 122.5 | 573.636 | 558.405 | 515.970 | 477.837 | 467.257 | 477.837 | 515.970 | 558.405 | 573.636 | 558.405 |
| 125.0 | 632.813 | 616.652 | 570.962 | 530.154 | 518.528 | 530.154 | 570.962 | 616.652 | 632.813 | 616.652 |
| 127.5 | 692.804 | 675.829 | 627.697 | 584.448 | 572.589 | 584.448 | 627.697 | 675.829 | 692.804 | 675.829 |
| 130.0 | 753.957 | 735.588 | 685.829 | 639.671 | 627.812 | 639.671 | 685.829 | 735.588 | 753.957 | 735.588 |
| 132.5 | 816.158 | 796.743 | 745.239 | 696.524 | 683.969 | 696.524 | 745.239 | 796.743 | 816.158 | 796.743 |

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PHOTOMETRIC FILENAME : MX2WUD-6-00-L8-835U-L8-835D-FA-R-(L6U)-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 135.0 | 877.776 | 858.361 | 805.811 | 755.586 | 742.563 | 755.586 | 805.811 | 858.361 | 877.776 | 858.361 |
| 137.5 | 938.348 | 919.864 | 866.498 | 816.041 | 803.020 | 816.041 | 866.498 | 919.864 | 938.348 | 919.864 |
| 140.0 | 998.687 | 980.668 | 927.653 | 876.613 | 864.989 | 876.613 | 927.653 | 980.668 | 998.687 | 980.668 |
| 142.5 | 1059.494 | 1041.355 | 988.923 | 938.233 | 926.722 | 938.233 | 988.923 | 1041.355 | 1059.494 | 1041.355 |
| 145.0 | 1118.670 | 1101.464 | 1049.610 | 1000.549 | 989.038 | 1000.549 | 1049.610 | 1101.464 | 1118.670 | 1101.464 |
| 147.5 | 1175.407 | 1159.828 | 1110.184 | 1063.214 | 1051.703 | 1063.214 | 1110.184 | 1159.828 | 1175.407 | 1159.828 |
| 150.0 | 1228.888 | 1216.098 | 1170.756 | 1124.599 | 1114.835 | 1124.599 | 1170.756 | 1216.098 | 1228.888 | 1216.098 |
| 152.5 | 1281.205 | 1270.740 | 1228.888 | 1185.869 | 1177.732 | 1185.869 | 1228.888 | 1270.740 | 1281.205 | 1270.740 |
| 155.0 | 1331.197 | 1323.060 | 1284.692 | 1246.326 | 1239.350 | 1246.326 | 1284.692 | 1323.060 | 1331.197 | 1323.060 |
| 157.5 | 1375.377 | 1370.726 | 1337.011 | 1304.457 | 1298.643 | 1304.457 | 1337.011 | 1370.726 | 1375.377 | 1370.726 |
| 160.0 | 1416.067 | 1413.742 | 1387.003 | 1357.938 | 1355.613 | 1357.938 | 1387.003 | 1413.742 | 1416.067 | 1413.742 |
| 162.5 | 1453.272 | 1453.272 | 1432.344 | 1407.930 | 1406.766 | 1407.930 | 1432.344 | 1453.272 | 1453.272 | 1453.272 |
| 165.0 | 1484.664 | 1485.825 | 1470.712 | 1453.272 | 1454.435 | 1453.272 | 1470.712 | 1485.825 | 1484.664 | 1485.825 |
| 167.5 | 1511.403 | 1514.890 | 1504.427 | 1491.637 | 1495.126 | 1491.637 | 1504.427 | 1514.890 | 1511.403 | 1514.890 |
| 170.0 | 1533.492 | 1538.142 | 1532.330 | 1524.191 | 1530.005 | 1524.191 | 1532.330 | 1538.142 | 1533.492 | 1538.142 |
| 172.5 | 1550.932 | 1555.583 | 1553.258 | 1547.443 | 1554.419 | 1547.443 | 1553.258 | 1555.583 | 1550.932 | 1555.583 |
| 175.0 | 1562.559 | 1568.371 | 1567.209 | 1563.720 | 1570.696 | 1563.720 | 1567.209 | 1568.371 | 1562.559 | 1568.371 |
| 177.5 | 1570.696 | 1575.346 | 1574.185 | 1571.860 | 1581.161 | 1571.860 | 1574.185 | 1575.346 | 1570.696 | 1575.346 |
| 180.0 | 1576.289 | 1576.289 | 1576.289 | 1576.289 | 1576.289 | 1576.289 | 1576.289 | 1576.289 | 1576.289 | 1576.289 |

Vert. 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 | 1812.861 | 1812.861 | 1812.861 | 1812.861 | 1812.861 | 1812.861 | 1812.861 |
| 2.5 | 1810.187 | 1807.513 | 1818.208 | 1807.513 | 1810.187 | 1811.524 | 1806.176 |
| 5.0 | 1802.165 | 1798.155 | 1806.176 | 1798.155 | 1802.165 | 1803.502 | 1796.818 |
| 7.5 | 1786.122 | 1779.438 | 1787.459 | 1779.438 | 1786.122 | 1788.796 | 1783.449 |
| 10.0 | 1762.058 | 1752.699 | 1759.384 | 1752.699 | 1762.058 | 1768.743 | 1763.395 |
| 12.5 | 1729.972 | 1715.266 | 1719.277 | 1715.266 | 1729.972 | 1742.004 | 1737.993 |
| 15.0 | 1691.201 | 1671.148 | 1672.484 | 1671.148 | 1691.201 | 1708.581 | 1707.244 |
| 17.5 | 1647.083 | 1619.008 | 1617.671 | 1619.008 | 1647.083 | 1671.148 | 1671.148 |
| 20.0 | 1594.943 | 1561.520 | 1558.846 | 1561.520 | 1594.943 | 1625.692 | 1628.366 |
| 22.5 | 1537.456 | 1500.022 | 1493.337 | 1500.022 | 1537.456 | 1576.226 | 1581.574 |
| 25.0 | 1477.294 | 1433.176 | 1425.155 | 1433.176 | 1477.294 | 1521.413 | 1530.771 |
| 27.5 | 1413.122 | 1363.656 | 1354.298 | 1363.656 | 1413.122 | 1461.251 | 1473.284 |
| 30.0 | 1346.276 | 1293.201 | 1281.971 | 1293.201 | 1346.276 | 1398.416 | 1413.122 |
| 32.5 | 1276.623 | 1222.612 | 1209.376 | 1222.612 | 1276.623 | 1333.709 | 1351.624 |
| 35.0 | 1206.970 | 1150.552 | 1137.316 | 1150.552 | 1206.970 | 1266.596 | 1286.382 |
| 37.5 | 1137.182 | 1078.893 | 1065.657 | 1078.893 | 1137.182 | 1197.477 | 1218.333 |
| 40.0 | 1066.727 | 1008.036 | 994.667 | 1008.036 | 1066.727 | 1127.690 | 1148.413 |
| 42.5 | 996.405 | 938.383 | 923.409 | 938.383 | 996.405 | 1057.770 | 1079.027 |
| 45.0 | 926.618 | 868.863 | 853.890 | 868.863 | 926.618 | 987.047 | 1009.373 |
| 47.5 | 856.964 | 800.948 | 786.509 | 800.948 | 856.964 | 916.190 | 938.516 |
| 50.0 | 788.648 | 735.572 | 721.936 | 735.572 | 788.648 | 845.868 | 866.991 |
| 52.5 | 721.802 | 672.069 | 658.432 | 672.069 | 721.802 | 777.150 | 796.669 |
| 55.0 | 656.560 | 609.635 | 596.265 | 609.635 | 656.560 | 709.101 | 727.684 |
| 57.5 | 593.324 | 549.473 | 537.307 | 549.473 | 593.324 | 642.122 | 659.635 |
| 60.0 | 531.425 | 492.521 | 481.558 | 492.521 | 531.425 | 576.746 | 592.656 |
| 62.5 | 471.798 | 438.242 | 427.947 | 438.242 | 471.798 | 513.778 | 527.147 |
| 65.0 | 414.979 | 385.968 | 376.476 | 385.968 | 414.979 | 452.547 | 464.579 |
| 67.5 | 360.700 | 335.834 | 327.679 | 335.834 | 360.700 | 392.519 | 403.749 |
| 70.0 | 308.427 | 288.774 | 282.624 | 288.774 | 308.427 | 334.497 | 343.722 |
| 72.5 | 260.031 | 245.859 | 239.843 | 245.859 | 260.031 | 279.951 | 286.502 |
| 75.0 | 214.709 | 204.816 | 200.003 | 204.816 | 214.709 | 228.747 | 233.961 |
| 77.5 | 172.061 | 164.976 | 161.767 | 164.976 | 172.061 | 180.484 | 184.361 |
| 80.0 | 132.221 | 128.077 | 126.339 | 128.077 | 132.221 | 135.430 | 137.301 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2WUD-6-00-L8-835U-L8-835D-FA-R-(L6U)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

| | | | | | | | |
|-------|----------|----------|----------|----------|----------|----------|----------|
| 82.5 | 95.857 | 94.520 | 93.584 | 94.520 | 95.857 | 95.590 | 94.921 |
| 85.0 | 63.236 | 63.905 | 63.504 | 63.905 | 63.236 | 60.696 | 58.290 |
| 87.5 | 34.359 | 36.364 | 36.632 | 36.364 | 34.359 | 30.348 | 27.674 |
| 90.0 | 24.995 | 27.494 | 28.245 | 27.494 | 24.995 | 19.496 | 13.497 |
| 92.5 | 29.880 | 31.623 | 31.855 | 31.623 | 29.880 | 26.391 | 24.066 |
| 95.0 | 54.993 | 55.573 | 55.225 | 55.573 | 54.993 | 52.783 | 50.690 |
| 97.5 | 83.359 | 82.197 | 81.384 | 82.197 | 83.359 | 83.126 | 82.545 |
| 100.0 | 114.984 | 111.380 | 109.868 | 111.380 | 114.984 | 117.772 | 119.402 |
| 102.5 | 149.630 | 143.468 | 140.677 | 143.468 | 149.630 | 156.954 | 160.325 |
| 105.0 | 186.716 | 178.114 | 173.929 | 178.114 | 186.716 | 198.924 | 203.459 |
| 107.5 | 226.128 | 213.806 | 208.573 | 213.806 | 226.128 | 243.451 | 249.148 |
| 110.0 | 268.216 | 251.125 | 245.777 | 251.125 | 268.216 | 290.888 | 298.910 |
| 112.5 | 313.675 | 292.049 | 284.958 | 292.049 | 313.675 | 341.345 | 351.111 |
| 115.0 | 360.876 | 335.648 | 327.393 | 335.648 | 360.876 | 393.547 | 404.009 |
| 117.5 | 410.287 | 381.107 | 372.154 | 381.107 | 410.287 | 446.795 | 458.421 |
| 120.0 | 462.141 | 428.308 | 418.774 | 428.308 | 462.141 | 501.553 | 515.389 |
| 122.5 | 515.970 | 477.837 | 467.257 | 477.837 | 515.970 | 558.405 | 573.636 |
| 125.0 | 570.962 | 530.154 | 518.528 | 530.154 | 570.962 | 616.652 | 632.813 |
| 127.5 | 627.697 | 584.448 | 572.589 | 584.448 | 627.697 | 675.829 | 692.804 |
| 130.0 | 685.829 | 639.671 | 627.812 | 639.671 | 685.829 | 735.588 | 753.957 |
| 132.5 | 745.239 | 696.524 | 683.969 | 696.524 | 745.239 | 796.743 | 816.158 |
| 135.0 | 805.811 | 755.586 | 742.563 | 755.586 | 805.811 | 858.361 | 877.776 |
| 137.5 | 866.498 | 816.041 | 803.020 | 816.041 | 866.498 | 919.864 | 938.348 |
| 140.0 | 927.653 | 876.613 | 864.989 | 876.613 | 927.653 | 980.668 | 998.687 |
| 142.5 | 988.923 | 938.233 | 926.722 | 938.233 | 988.923 | 1041.355 | 1059.494 |
| 145.0 | 1049.610 | 1000.549 | 989.038 | 1000.549 | 1049.610 | 1101.464 | 1118.670 |
| 147.5 | 1110.184 | 1063.214 | 1051.703 | 1063.214 | 1110.184 | 1159.828 | 1175.407 |
| 150.0 | 1170.756 | 1124.599 | 1114.835 | 1124.599 | 1170.756 | 1216.098 | 1228.888 |
| 152.5 | 1228.888 | 1185.869 | 1177.732 | 1185.869 | 1228.888 | 1270.740 | 1281.205 |
| 155.0 | 1284.692 | 1246.326 | 1239.350 | 1246.326 | 1284.692 | 1323.060 | 1331.197 |
| 157.5 | 1337.011 | 1304.457 | 1298.643 | 1304.457 | 1337.011 | 1370.726 | 1375.377 |
| 160.0 | 1387.003 | 1357.938 | 1355.613 | 1357.938 | 1387.003 | 1413.742 | 1416.067 |
| 162.5 | 1432.344 | 1407.930 | 1406.766 | 1407.930 | 1432.344 | 1453.272 | 1453.272 |
| 165.0 | 1470.712 | 1453.272 | 1454.435 | 1453.272 | 1470.712 | 1485.825 | 1484.664 |
| 167.5 | 1504.427 | 1491.637 | 1495.126 | 1491.637 | 1504.427 | 1514.890 | 1511.403 |
| 170.0 | 1532.330 | 1524.191 | 1530.005 | 1524.191 | 1532.330 | 1538.142 | 1533.492 |
| 172.5 | 1553.258 | 1547.443 | 1554.419 | 1547.443 | 1553.258 | 1555.583 | 1550.932 |
| 175.0 | 1567.209 | 1563.720 | 1570.696 | 1563.720 | 1567.209 | 1568.371 | 1562.559 |
| 177.5 | 1574.185 | 1571.860 | 1581.161 | 1571.860 | 1574.185 | 1575.346 | 1570.696 |
| 180.0 | 1576.289 | 1576.289 | 1576.289 | 1576.289 | 1576.289 | 1576.289 | 1576.289 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2WUD-6-00-L8-835U-L8-835D-FA-R-(L6U)-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 646.05 | N.A. | 8.40 |
| 0-30 | 1325.22 | N.A. | 17.30 |
| 0-40 | 2080.94 | N.A. | 27.10 |
| 0-60 | 3387.96 | N.A. | 44.10 |
| 0-80 | 4033.68 | N.A. | 52.50 |
| 0-90 | 4106.65 | N.A. | 53.50 |
| 10-90 | 3935.98 | N.A. | 51.30 |
| 20-40 | 1434.89 | N.A. | 18.70 |
| 20-50 | 2151.41 | N.A. | 28.00 |
| 40-70 | 1722.6 | N.A. | 22.40 |
| 60-80 | 645.71 | N.A. | 8.40 |
| 70-80 | 230.13 | N.A. | 3.00 |
| 80-90 | 72.97 | N.A. | 1.00 |
| 90-110 | 264.00 | N.A. | 3.40 |
| 90-120 | 625.40 | N.A. | 8.10 |
| 90-130 | 1138.92 | N.A. | 14.80 |
| 90-150 | 2419.22 | N.A. | 31.50 |
| 90-180 | 3571.66 | N.A. | 46.50 |
| 110-180 | 3307.66 | N.A. | 43.10 |
| 0-180 | 7678.31 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 170.67 |
| 10-20 | 475.38 |
| 20-30 | 679.17 |
| 30-40 | 755.72 |
| 40-50 | 716.52 |
| 50-60 | 590.51 |
| 60-70 | 415.58 |
| 70-80 | 230.13 |
| 80-90 | 72.97 |
| 90-100 | 63.87 |
| 100-110 | 200.13 |
| 110-120 | 361.40 |
| 120-130 | 513.52 |
| 130-140 | 623.10 |
| 140-150 | 657.19 |
| 150-160 | 590.63 |
| 160-170 | 413.40 |
| 170-180 | 148.42 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-6-00-L8-835U-L8-835D-FA-R-(L6U)-DIM-UNV_.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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 72 | 72 | 72 | 59 | 59 | 59 | 53 |
| 1 | 99 | 95 | 91 | 87 | 91 | 88 | 84 | 81 | 75 | 73 | 70 | 63 | 62 | 60 | 53 | 52 | 51 | 45 |
| 2 | 90 | 83 | 77 | 72 | 83 | 77 | 72 | 67 | 66 | 62 | 59 | 56 | 53 | 51 | 47 | 45 | 43 | 39 |
| 3 | 82 | 73 | 66 | 60 | 76 | 68 | 62 | 57 | 59 | 54 | 50 | 50 | 46 | 43 | 42 | 39 | 37 | 33 |
| 4 | 76 | 65 | 57 | 51 | 70 | 61 | 54 | 48 | 52 | 47 | 43 | 45 | 41 | 37 | 37 | 34 | 32 | 29 |
| 5 | 70 | 58 | 50 | 44 | 64 | 54 | 47 | 42 | 47 | 41 | 37 | 40 | 36 | 33 | 34 | 31 | 28 | 25 |
| 6 | 64 | 52 | 44 | 38 | 59 | 49 | 42 | 36 | 42 | 37 | 32 | 36 | 32 | 29 | 31 | 28 | 25 | 22 |
| 7 | 59 | 47 | 39 | 34 | 55 | 44 | 37 | 32 | 39 | 33 | 29 | 33 | 29 | 25 | 28 | 25 | 22 | 20 |
| 8 | 55 | 43 | 35 | 30 | 51 | 40 | 33 | 29 | 35 | 30 | 26 | 31 | 26 | 23 | 26 | 23 | 20 | 18 |
| 9 | 51 | 39 | 32 | 27 | 48 | 37 | 30 | 26 | 32 | 27 | 23 | 28 | 24 | 21 | 24 | 21 | 18 | 16 |
| 10 | 48 | 36 | 29 | 24 | 45 | 34 | 27 | 23 | 30 | 25 | 21 | 26 | 22 | 19 | 22 | 19 | 17 | 15 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-6-00-L8-835U-L8-835D-FA-R-(L6U)-DIM-UNV_.IES

UGR TABLE - CORRECTED

Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| Ceiling Cavity | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Walls | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Floor Cavity | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

Room Size UGR Viewed Crosswise

| X=2H | Y=2H | 17.4 | 18.3 | 18.4 | 19.2 | 20.5 | 16.3 | 17.1 | 17.2 | 18.1 | 19.3 |
|------|------|------|------|------|------|------|------|------|------|------|------|
| | 3H | 19.0 | 19.8 | 19.9 | 20.7 | 22.0 | 17.8 | 18.6 | 18.8 | 19.5 | 20.8 |
| | 4H | 19.5 | 20.3 | 20.5 | 21.2 | 22.5 | 18.4 | 19.1 | 19.3 | 20.1 | 21.3 |
| | 6H | 19.9 | 20.6 | 20.9 | 21.6 | 22.8 | 18.8 | 19.5 | 19.8 | 20.5 | 21.7 |
| | 8H | 20.0 | 20.7 | 21.0 | 21.7 | 22.9 | 19.0 | 19.6 | 20.0 | 20.6 | 21.9 |
| | 12H | 20.1 | 20.7 | 21.1 | 21.7 | 23.0 | 19.1 | 19.7 | 20.1 | 20.7 | 22.0 |

UGR Viewed Endwise

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 17.8 | 18.5 | 18.7 | 19.5 | 20.7 | 16.9 | 17.6 | 17.8 | 18.6 | 19.8 |
| | 3H | 19.6 | 20.2 | 20.5 | 21.2 | 22.4 | 18.6 | 19.2 | 19.6 | 20.2 | 21.5 |
| | 4H | 20.3 | 20.8 | 21.2 | 21.8 | 23.1 | 19.3 | 19.9 | 20.3 | 20.8 | 22.1 |
| | 6H | 20.8 | 21.3 | 21.8 | 22.3 | 23.6 | 19.9 | 20.3 | 20.9 | 21.4 | 22.7 |
| | 8H | 20.9 | 21.4 | 21.9 | 22.4 | 23.7 | 20.1 | 20.5 | 21.1 | 21.5 | 22.8 |
| | 12H | 21.0 | 21.4 | 22.1 | 22.5 | 23.8 | 20.2 | 20.6 | 21.2 | 21.7 | 23.0 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 20.4 | 20.9 | 21.4 | 21.9 | 23.2 | 19.6 | 20.0 | 20.6 | 21.0 | 22.3 |
| | 6H | 21.1 | 21.4 | 22.1 | 22.5 | 23.8 | 20.3 | 20.7 | 21.3 | 21.7 | 23.0 |
| | 8H | 21.3 | 21.6 | 22.4 | 22.7 | 24.0 | 20.6 | 20.9 | 21.6 | 21.9 | 23.3 |
| | 12H | 21.5 | 21.8 | 22.5 | 22.8 | 24.2 | 20.8 | 21.1 | 21.9 | 22.1 | 23.5 |

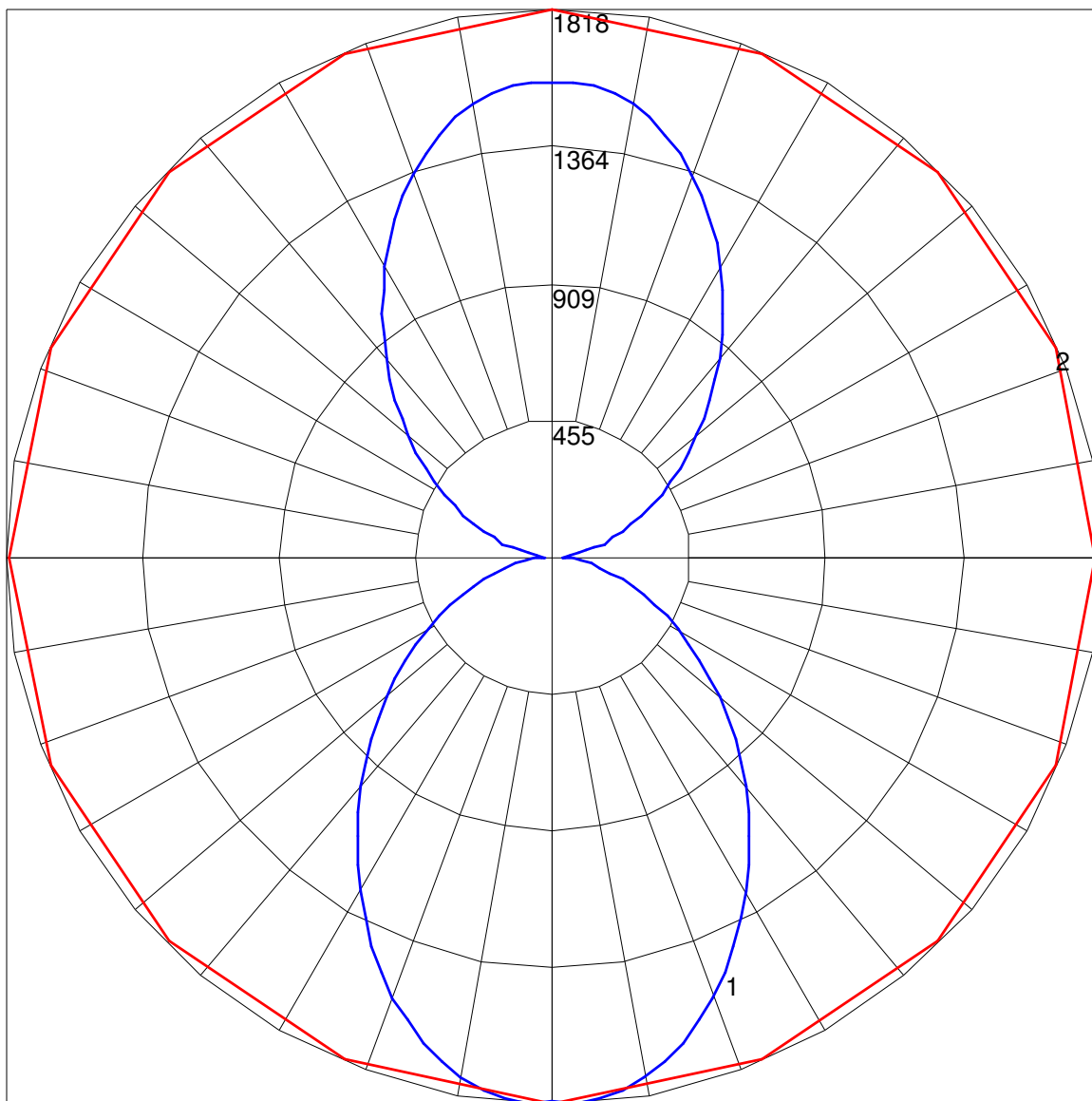
| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 20.4 | 20.8 | 21.4 | 21.8 | 23.2 | 19.6 | 20.0 | 20.6 | 21.0 | 22.3 |
| | 6H | 21.1 | 21.4 | 22.1 | 22.5 | 23.8 | 20.3 | 20.7 | 21.4 | 21.7 | 23.0 |
| | 8H | 21.4 | 21.7 | 22.4 | 22.7 | 24.1 | 20.7 | 21.0 | 21.7 | 22.0 | 23.4 |

Maximum UGR = 24.2

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-6-00-L8-835U-L8-835D-FA-R-(L6U)-DIM-UNV_.IES

POLAR GRAPH



Maximum Candela = 1818.208 Located At Horizontal Angle = 90, Vertical Angle = 2.5

1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)