



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MX2D-4-00-L8-835-FA-DIM-UNV\_.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] GEN from UL #15492554.01  
[TESTLAB] UL Verification Services Inc.  
[ISSUEDATE] 7 OCT, 2024  
[TESTDATE] 9/24/2024  
[MANUFAC] H E WILLIAMS INC  
[LUMCAT] MX2D-4'00-L8/835-S-FA-DIM-UNV  
[LUMINAIRE] White rectangular light fixture with frosted lens, surface  
[MORE] mount fixture  
[LAMP] 2 modules with 72 LEDs each  
[BALLAST] OTI 50/120-277/1A4 DIM1 L G2  
[OTHER] 25.9 C, 120.136 V, 0.323686 A, 38.3666 W, 0.986633 PF, 59.9709  
[MORE] Hz  
[OTHER] This test was performed using the calibrated photodetector met  
[MORE] hod of absolute photometry.  
[OTHER] The reported results were measured in a facility that meets th  
[MORE] e requirements of ANSI/IES LM-75-19. The device under test emits no de  
[MORE] tectable uplight as defined by ANSI/IES LM-75-19.

**CHARACTERISTICS**

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 2465            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 92              |
| Total Luminaire Watts           | 26.8            |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 1.56            |
| Spacing Criterion (90-270)      | 1.16            |
| Spacing Criterion (Diagonal)    | 1.46            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 0.17 ft         |
| Luminous Width (90-270)         | 4.00 ft         |
| Luminous Height                 | 0.00 ft         |

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

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 16834            | 15160             | 10742             |
| 55                  | 15740            | 14544             | 10013             |
| 65                  | 14095            | 13369             | 9069              |
| 75                  | 11449            | 11054             | 7588              |
| 85                  | 7136             | 6556              | 4351              |

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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> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> |
|------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| 0.0  | 834.878    | 834.878     | 834.878     | 834.878     | 834.878     | 834.878      | 834.878      | 834.878      | 834.878      |
| 0.5  | 834.878    | 837.391     | 834.878     | 835.506     | 826.711     | 835.506      | 834.250      | 836.762      | 834.878      |
| 1.0  | 835.506    | 838.019     | 835.506     | 836.134     | 826.711     | 834.878      | 834.250      | 836.134      | 834.878      |
| 1.5  | 836.134    | 839.275     | 836.134     | 836.134     | 826.083     | 834.250      | 833.621      | 836.134      | 834.878      |
| 2.0  | 836.762    | 840.532     | 836.762     | 836.134     | 825.455     | 833.621      | 833.621      | 836.134      | 835.506      |
| 2.5  | 838.019    | 841.160     | 837.391     | 836.134     | 825.455     | 832.993      | 832.993      | 836.134      | 835.506      |
| 3.0  | 839.275    | 842.416     | 838.019     | 836.134     | 824.827     | 832.365      | 832.993      | 836.134      | 835.506      |
| 3.5  | 841.160    | 843.673     | 838.019     | 835.506     | 824.198     | 831.737      | 832.365      | 836.134      | 836.134      |
| 4.0  | 843.044    | 844.929     | 838.647     | 835.506     | 822.942     | 831.109      | 831.737      | 836.134      | 836.134      |
| 4.5  | 845.557    | 846.185     | 839.275     | 834.878     | 822.314     | 829.852      | 831.109      | 836.762      | 836.134      |
| 5.0  | 847.442    | 848.070     | 839.903     | 834.878     | 821.057     | 829.224      | 831.109      | 836.762      | 836.762      |
| 5.5  | 849.955    | 849.326     | 840.532     | 834.250     | 819.801     | 827.968      | 831.109      | 837.391      | 836.762      |
| 6.0  | 851.839    | 850.583     | 840.532     | 833.621     | 818.545     | 826.711      | 830.480      | 837.391      | 837.391      |
| 6.5  | 853.724    | 852.467     | 841.160     | 832.365     | 817.288     | 825.455      | 829.852      | 838.019      | 838.019      |
| 7.0  | 855.608    | 853.724     | 841.788     | 831.737     | 815.404     | 824.198      | 829.224      | 838.019      | 838.647      |
| 7.5  | 858.121    | 855.608     | 842.416     | 831.109     | 814.147     | 822.942      | 828.596      | 838.647      | 839.275      |
| 8.0  | 860.006    | 857.493     | 842.416     | 829.852     | 812.263     | 821.057      | 827.968      | 839.275      | 840.532      |
| 8.5  | 861.262    | 859.378     | 843.044     | 829.224     | 810.378     | 819.801      | 827.339      | 839.903      | 841.788      |
| 9.0  | 863.147    | 860.634     | 843.044     | 827.339     | 807.865     | 817.916      | 827.339      | 839.903      | 843.044      |
| 9.5  | 865.031    | 862.519     | 843.673     | 826.711     | 805.981     | 816.032      | 826.711      | 840.532      | 843.673      |
| 10.0 | 867.544    | 864.403     | 843.673     | 824.827     | 803.468     | 814.147      | 826.083      | 841.160      | 844.929      |
| 10.5 | 869.429    | 866.288     | 844.301     | 823.570     | 800.955     | 812.263      | 825.455      | 841.160      | 846.185      |
| 11.0 | 871.942    | 868.172     | 844.301     | 821.686     | 798.442     | 810.378      | 824.827      | 841.788      | 846.814      |
| 11.5 | 873.826    | 870.057     | 844.301     | 820.429     | 795.929     | 808.493      | 824.198      | 841.788      | 847.442      |
| 12.0 | 876.967    | 871.942     | 844.301     | 818.545     | 792.788     | 805.981      | 823.570      | 842.416      | 848.070      |
| 12.5 | 879.480    | 873.198     | 844.929     | 817.288     | 790.276     | 804.096      | 822.942      | 842.416      | 848.698      |
| 13.0 | 881.993    | 875.083     | 844.929     | 815.404     | 787.135     | 802.211      | 821.686      | 842.416      | 848.698      |
| 13.5 | 884.506    | 876.339     | 844.301     | 813.519     | 783.994     | 799.699      | 821.057      | 843.044      | 848.698      |
| 14.0 | 887.018    | 878.224     | 844.929     | 811.006     | 781.481     | 797.186      | 819.801      | 842.416      | 848.698      |
| 14.5 | 889.531    | 880.108     | 844.301     | 809.122     | 777.712     | 794.673      | 818.545      | 842.416      | 848.698      |
| 15.0 | 891.416    | 881.993     | 844.301     | 807.237     | 774.571     | 792.160      | 817.288      | 841.788      | 848.698      |
| 15.5 | 893.300    | 883.249     | 844.301     | 804.724     | 771.430     | 789.647      | 816.032      | 841.788      | 848.070      |
| 16.0 | 895.185    | 884.506     | 843.673     | 802.211     | 768.289     | 786.506      | 814.775      | 841.160      | 847.442      |
| 16.5 | 897.070    | 886.390     | 843.673     | 799.699     | 764.519     | 783.994      | 813.519      | 839.903      | 847.442      |
| 17.0 | 898.954    | 887.647     | 843.044     | 797.186     | 760.750     | 780.853      | 811.634      | 839.275      | 846.814      |
| 17.5 | 900.839    | 888.275     | 842.416     | 794.673     | 756.981     | 777.712      | 809.750      | 838.019      | 845.557      |
| 18.0 | 902.723    | 889.531     | 841.788     | 791.532     | 753.212     | 774.571      | 807.865      | 836.762      | 844.301      |
| 18.5 | 903.980    | 890.788     | 841.160     | 789.019     | 749.443     | 771.430      | 805.981      | 834.878      | 842.416      |
| 19.0 | 905.864    | 891.416     | 840.532     | 786.506     | 745.673     | 767.660      | 803.468      | 833.621      | 841.160      |
| 19.5 | 906.493    | 892.672     | 839.903     | 783.365     | 741.276     | 764.519      | 801.583      | 831.737      | 839.275      |
| 20.0 | 907.749    | 893.300     | 838.647     | 780.224     | 737.507     | 761.378      | 799.070      | 829.852      | 836.762      |
| 20.5 | 909.005    | 893.929     | 838.019     | 777.083     | 733.109     | 757.609      | 796.558      | 827.339      | 834.250      |
| 21.0 | 910.262    | 895.185     | 836.762     | 773.942     | 728.712     | 753.840      | 794.673      | 824.827      | 831.737      |
| 21.5 | 911.518    | 895.813     | 835.506     | 770.801     | 724.315     | 750.699      | 791.532      | 822.314      | 829.224      |
| 22.0 | 912.146    | 896.441     | 834.878     | 767.660     | 719.917     | 746.302      | 789.019      | 819.801      | 826.711      |
| 22.5 | 912.775    | 897.070     | 833.621     | 764.519     | 715.520     | 742.532      | 786.506      | 817.288      | 823.570      |
| 23.0 | 914.031    | 897.698     | 832.365     | 761.378     | 711.122     | 739.391      | 783.365      | 814.147      | 820.429      |
| 23.5 | 914.659    | 898.326     | 831.109     | 757.609     | 706.097     | 734.994      | 780.853      | 811.006      | 817.288      |
| 24.0 | 915.916    | 898.326     | 830.480     | 754.468     | 701.699     | 731.225      | 777.712      | 807.865      | 813.519      |
| 24.5 | 916.544    | 898.326     | 828.596     | 750.699     | 696.674     | 727.456      | 774.571      | 805.352      | 810.378      |
| 25.0 | 917.172    | 898.326     | 827.339     | 747.558     | 692.276     | 723.058      | 771.430      | 801.583      | 806.609      |
| 25.5 | 917.800    | 897.698     | 826.083     | 743.161     | 687.251     | 718.661      | 768.289      | 797.814      | 802.211      |
| 26.0 | 917.172    | 897.070     | 824.198     | 740.020     | 682.225     | 714.263      | 764.519      | 794.673      | 798.442      |
| 26.5 | 917.172    | 896.441     | 822.314     | 736.250     | 677.200     | 710.494      | 761.378      | 790.904      | 794.045      |

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**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 27.0 | 916.544 | 895.185 | 820.429 | 732.481 | 672.174 | 706.097 | 757.609 | 786.506 | 789.019 |
| 27.5 | 915.916 | 893.929 | 818.545 | 728.712 | 667.148 | 701.699 | 753.840 | 782.737 | 784.622 |
| 28.0 | 914.659 | 892.044 | 816.660 | 724.315 | 662.123 | 697.302 | 750.071 | 778.340 | 779.596 |
| 28.5 | 912.775 | 890.788 | 814.147 | 720.545 | 657.097 | 692.276 | 746.302 | 773.942 | 774.571 |
| 29.0 | 910.890 | 888.903 | 811.634 | 716.148 | 652.072 | 687.879 | 742.532 | 769.545 | 769.545 |
| 29.5 | 909.005 | 887.018 | 809.122 | 711.751 | 647.046 | 683.482 | 738.135 | 764.519 | 763.891 |
| 30.0 | 907.121 | 885.134 | 806.609 | 707.353 | 641.392 | 678.456 | 733.738 | 759.494 | 758.866 |
| 30.5 | 904.608 | 882.621 | 803.468 | 702.956 | 636.367 | 674.059 | 729.340 | 754.468 | 753.212 |
| 31.0 | 902.095 | 880.108 | 800.955 | 698.558 | 631.341 | 669.033 | 724.943 | 749.443 | 747.558 |
| 31.5 | 898.954 | 876.967 | 797.814 | 694.161 | 625.750 | 664.636 | 720.545 | 743.789 | 741.904 |
| 32.0 | 895.813 | 874.454 | 794.673 | 689.764 | 620.410 | 658.982 | 715.520 | 738.763 | 736.250 |
| 32.5 | 892.044 | 871.313 | 791.532 | 684.738 | 614.819 | 654.584 | 711.122 | 733.109 | 730.597 |
| 33.0 | 888.275 | 868.172 | 787.763 | 680.341 | 609.542 | 649.559 | 706.097 | 727.456 | 724.943 |
| 33.5 | 884.506 | 864.403 | 783.994 | 675.315 | 603.951 | 644.533 | 701.699 | 721.802 | 719.289 |
| 34.0 | 880.108 | 860.634 | 780.224 | 670.289 | 598.549 | 639.508 | 696.046 | 716.148 | 713.007 |
| 34.5 | 875.711 | 856.237 | 776.455 | 665.264 | 592.895 | 633.854 | 691.020 | 710.494 | 707.353 |
| 35.0 | 870.685 | 851.839 | 772.686 | 660.238 | 587.116 | 628.828 | 685.994 | 704.840 | 701.071 |
| 35.5 | 866.288 | 847.442 | 768.917 | 655.213 | 581.588 | 623.363 | 680.969 | 698.558 | 694.789 |
| 36.0 | 861.262 | 843.673 | 764.519 | 650.187 | 575.871 | 618.086 | 675.315 | 692.276 | 688.507 |
| 36.5 | 855.608 | 838.647 | 760.122 | 645.161 | 570.217 | 612.683 | 670.289 | 686.623 | 681.597 |
| 37.0 | 850.583 | 833.621 | 755.725 | 639.508 | 564.563 | 607.407 | 664.636 | 679.712 | 674.687 |
| 37.5 | 844.929 | 828.596 | 750.699 | 634.482 | 558.658 | 602.067 | 658.982 | 672.802 | 667.777 |
| 38.0 | 839.275 | 822.942 | 746.302 | 628.828 | 553.067 | 596.476 | 653.328 | 666.520 | 660.238 |
| 38.5 | 832.993 | 817.288 | 741.276 | 623.488 | 547.539 | 590.822 | 648.302 | 659.610 | 653.328 |
| 39.0 | 826.711 | 811.634 | 736.250 | 618.023 | 541.822 | 585.545 | 642.649 | 653.328 | 646.418 |
| 39.5 | 820.429 | 805.981 | 730.597 | 612.621 | 536.106 | 579.829 | 636.367 | 646.418 | 639.508 |
| 40.0 | 814.147 | 799.699 | 724.943 | 607.155 | 530.326 | 574.049 | 630.713 | 639.508 | 631.341 |
| 40.5 | 806.609 | 793.417 | 719.917 | 601.501 | 524.296 | 568.395 | 624.494 | 632.597 | 624.494 |
| 41.0 | 800.327 | 787.135 | 714.263 | 595.848 | 518.579 | 562.553 | 618.400 | 625.813 | 616.955 |
| 41.5 | 792.788 | 780.853 | 708.610 | 590.005 | 512.800 | 556.774 | 612.244 | 618.840 | 609.731 |
| 42.0 | 785.878 | 773.942 | 702.956 | 584.289 | 507.020 | 551.120 | 606.401 | 611.804 | 602.632 |
| 42.5 | 778.340 | 767.032 | 697.302 | 578.447 | 501.115 | 545.403 | 600.119 | 604.831 | 595.094 |
| 43.0 | 770.801 | 760.122 | 691.020 | 572.667 | 495.399 | 539.624 | 593.712 | 597.418 | 587.430 |
| 43.5 | 763.263 | 753.212 | 684.738 | 566.322 | 489.682 | 533.467 | 586.990 | 590.257 | 579.829 |
| 44.0 | 755.725 | 745.673 | 678.456 | 560.543 | 483.777 | 527.500 | 580.582 | 582.718 | 572.353 |
| 44.5 | 747.558 | 738.135 | 672.174 | 554.512 | 477.683 | 521.532 | 574.300 | 575.808 | 564.752 |
| 45.0 | 739.391 | 730.597 | 665.892 | 548.481 | 471.841 | 515.689 | 567.704 | 568.584 | 556.711 |
| 45.5 | 731.225 | 723.058 | 659.610 | 542.451 | 466.376 | 509.533 | 561.234 | 561.234 | 549.298 |
| 46.0 | 723.058 | 714.892 | 652.700 | 536.483 | 460.659 | 503.502 | 554.449 | 553.884 | 541.697 |
| 46.5 | 714.892 | 706.725 | 646.418 | 530.138 | 457.015 | 497.409 | 547.979 | 546.157 | 533.782 |
| 47.0 | 706.097 | 699.187 | 639.508 | 523.730 | 451.110 | 491.378 | 541.257 | 538.367 | 526.306 |
| 47.5 | 697.302 | 691.020 | 632.597 | 517.511 | 445.394 | 485.222 | 534.535 | 530.892 | 518.014 |
| 48.0 | 688.507 | 682.853 | 625.247 | 511.355 | 439.552 | 479.317 | 527.939 | 523.353 | 510.287 |
| 48.5 | 679.712 | 674.687 | 618.086 | 504.884 | 433.521 | 472.846 | 521.029 | 515.878 | 502.623 |
| 49.0 | 670.918 | 665.892 | 610.987 | 498.477 | 427.490 | 467.004 | 514.056 | 508.528 | 495.461 |
| 49.5 | 662.751 | 657.097 | 603.763 | 492.258 | 421.522 | 461.099 | 507.146 | 500.927 | 487.860 |
| 50.0 | 653.328 | 648.931 | 596.287 | 485.661 | 415.806 | 456.450 | 500.173 | 493.451 | 480.196 |
| 50.5 | 644.533 | 640.136 | 589.000 | 479.002 | 409.900 | 450.922 | 493.137 | 485.850 | 472.469 |
| 51.0 | 635.110 | 631.341 | 581.525 | 472.595 | 404.058 | 444.577 | 486.227 | 478.249 | 465.056 |
| 51.5 | 626.441 | 622.609 | 573.798 | 466.124 | 398.153 | 438.232 | 479.128 | 470.836 | 459.465 |
| 52.0 | 617.144 | 613.689 | 566.134 | 460.156 | 392.248 | 431.950 | 472.218 | 463.800 | 452.555 |
| 52.5 | 607.909 | 604.894 | 558.093 | 454.628 | 386.406 | 425.605 | 465.182 | 457.518 | 445.080 |
| 53.0 | 598.549 | 595.973 | 550.178 | 448.912 | 380.564 | 419.135 | 459.026 | 451.487 | 437.541 |
| 53.5 | 589.252 | 586.802 | 542.137 | 442.316 | 374.533 | 412.727 | 452.744 | 443.886 | 430.003 |
| 54.0 | 579.766 | 577.504 | 534.096 | 435.594 | 368.439 | 406.320 | 446.022 | 436.222 | 422.276 |
| 54.5 | 570.531 | 568.521 | 526.117 | 428.746 | 362.597 | 399.786 | 438.672 | 428.621 | 414.549 |

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**CANDELA TABULATION - (Cont.)**

|      |         |         |         |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 55.0 | 560.794 | 559.349 | 518.202 | 422.088 | 356.755 | 393.316 | 431.322 | 421.145 | 407.199 |
| 55.5 | 551.057 | 550.115 | 510.350 | 415.366 | 350.850 | 386.846 | 424.098 | 413.544 | 399.284 |
| 56.0 | 541.571 | 541.006 | 501.932 | 408.581 | 344.882 | 380.375 | 416.999 | 406.194 | 391.997 |
| 56.5 | 531.960 | 531.394 | 493.388 | 401.797 | 338.977 | 373.842 | 409.775 | 398.530 | 384.458 |
| 57.0 | 522.725 | 521.971 | 485.033 | 394.887 | 332.946 | 367.371 | 402.488 | 390.866 | 376.857 |
| 57.5 | 512.674 | 512.611 | 476.804 | 387.913 | 327.167 | 360.775 | 395.201 | 383.265 | 369.130 |
| 58.0 | 502.623 | 502.748 | 468.449 | 381.003 | 321.136 | 354.305 | 387.913 | 375.852 | 361.592 |
| 58.5 | 493.011 | 493.263 | 460.659 | 374.219 | 315.231 | 347.772 | 380.878 | 368.251 | 354.116 |
| 59.0 | 483.149 | 483.777 | 453.623 | 367.246 | 309.263 | 341.113 | 373.716 | 360.775 | 346.766 |
| 59.5 | 473.537 | 474.354 | 445.896 | 360.273 | 303.169 | 334.516 | 366.241 | 353.174 | 339.228 |
| 60.0 | 463.863 | 465.245 | 437.353 | 353.300 | 297.201 | 327.858 | 358.891 | 345.636 | 331.690 |
| 60.5 | 455.696 | 456.764 | 428.872 | 346.264 | 291.296 | 321.199 | 351.415 | 338.286 | 324.214 |
| 61.0 | 447.404 | 448.095 | 420.266 | 339.291 | 285.391 | 314.728 | 344.002 | 331.061 | 316.864 |
| 61.5 | 437.478 | 438.484 | 411.597 | 332.318 | 279.612 | 308.195 | 336.590 | 323.586 | 309.451 |
| 62.0 | 427.741 | 428.872 | 402.802 | 325.282 | 273.707 | 301.787 | 329.554 | 316.173 | 302.415 |
| 62.5 | 418.256 | 419.072 | 394.007 | 318.183 | 267.739 | 295.254 | 322.267 | 308.697 | 295.317 |
| 63.0 | 408.644 | 409.335 | 385.589 | 311.147 | 261.645 | 288.595 | 314.979 | 301.159 | 288.030 |
| 63.5 | 399.095 | 399.598 | 376.857 | 303.986 | 255.677 | 282.062 | 307.755 | 293.809 | 280.805 |
| 64.0 | 389.484 | 390.049 | 368.314 | 297.076 | 249.772 | 275.466 | 300.342 | 286.585 | 273.581 |
| 64.5 | 379.684 | 380.564 | 359.707 | 290.103 | 243.804 | 269.058 | 293.055 | 279.361 | 266.482 |
| 65.0 | 370.010 | 371.203 | 350.975 | 283.193 | 238.088 | 262.650 | 286.145 | 272.073 | 260.012 |
| 65.5 | 360.273 | 361.529 | 342.306 | 276.094 | 232.371 | 255.991 | 278.795 | 264.849 | 253.165 |
| 66.0 | 350.787 | 351.604 | 333.323 | 269.121 | 226.529 | 249.333 | 271.634 | 257.688 | 246.129 |
| 66.5 | 340.987 | 342.181 | 324.214 | 262.022 | 220.624 | 242.925 | 264.158 | 250.463 | 238.653 |
| 67.0 | 331.501 | 332.506 | 315.482 | 255.049 | 214.844 | 236.392 | 256.808 | 243.302 | 231.869 |
| 67.5 | 322.141 | 323.020 | 306.813 | 247.888 | 209.002 | 230.047 | 249.521 | 236.203 | 224.896 |
| 68.0 | 312.781 | 313.535 | 298.018 | 241.103 | 203.097 | 223.576 | 242.234 | 229.230 | 217.860 |
| 68.5 | 303.483 | 304.049 | 289.537 | 234.130 | 197.129 | 216.917 | 235.010 | 222.069 | 211.264 |
| 69.0 | 293.746 | 294.751 | 281.119 | 227.220 | 191.224 | 210.196 | 227.722 | 215.033 | 204.416 |
| 69.5 | 284.072 | 285.266 | 272.388 | 220.310 | 185.445 | 203.600 | 220.561 | 207.934 | 197.255 |
| 70.0 | 274.586 | 276.031 | 263.467 | 213.462 | 179.540 | 197.192 | 213.400 | 200.836 | 190.659 |
| 70.5 | 265.289 | 266.797 | 254.798 | 206.552 | 173.823 | 190.847 | 206.238 | 194.177 | 184.063 |
| 71.0 | 255.866 | 257.499 | 246.129 | 199.705 | 168.106 | 184.440 | 199.139 | 187.329 | 177.404 |
| 71.5 | 246.631 | 248.076 | 237.460 | 192.732 | 162.327 | 177.969 | 192.041 | 180.419 | 170.556 |
| 72.0 | 237.397 | 238.716 | 228.665 | 185.696 | 156.547 | 171.499 | 184.816 | 173.509 | 164.023 |
| 72.5 | 228.414 | 229.607 | 219.933 | 178.660 | 150.517 | 164.965 | 177.718 | 166.599 | 157.553 |
| 73.0 | 219.367 | 220.498 | 211.389 | 171.813 | 144.612 | 158.369 | 170.619 | 159.877 | 151.208 |
| 73.5 | 210.321 | 211.515 | 202.783 | 165.028 | 138.895 | 152.024 | 163.583 | 153.155 | 144.989 |
| 74.0 | 201.338 | 202.720 | 194.554 | 158.306 | 133.178 | 145.931 | 156.673 | 146.559 | 138.707 |
| 74.5 | 192.669 | 193.925 | 186.136 | 151.333 | 127.462 | 139.586 | 149.951 | 139.963 | 132.425 |
| 75.0 | 184.063 | 185.068 | 177.718 | 144.612 | 121.996 | 133.367 | 143.230 | 133.492 | 126.080 |
| 75.5 | 175.582 | 176.210 | 169.426 | 137.890 | 116.280 | 127.085 | 136.508 | 126.959 | 120.049 |
| 76.0 | 167.478 | 167.541 | 161.196 | 131.231 | 110.626 | 120.866 | 129.786 | 120.552 | 113.955 |
| 76.5 | 159.123 | 158.997 | 153.092 | 124.635 | 105.098 | 114.961 | 123.064 | 114.395 | 107.988 |
| 77.0 | 150.768 | 150.517 | 145.365 | 118.102 | 99.507  | 108.930 | 116.343 | 108.176 | 102.208 |
| 77.5 | 142.601 | 142.350 | 137.639 | 111.694 | 94.104  | 102.962 | 109.872 | 102.208 | 96.492  |
| 78.0 | 134.623 | 134.121 | 129.849 | 105.161 | 88.827  | 96.868  | 103.465 | 96.177  | 90.838  |
| 78.5 | 126.708 | 126.080 | 121.934 | 98.941  | 83.551  | 91.026  | 97.245  | 90.335  | 85.184  |
| 79.0 | 118.918 | 118.164 | 114.332 | 92.659  | 78.211  | 85.184  | 91.089  | 84.367  | 79.781  |
| 79.5 | 111.568 | 110.438 | 106.794 | 86.566  | 72.997  | 79.530  | 85.121  | 78.776  | 74.379  |
| 80.0 | 104.344 | 102.899 | 99.633  | 80.724  | 67.971  | 74.128  | 79.153  | 73.248  | 69.165  |
| 80.5 | 97.183  | 95.549  | 92.408  | 74.693  | 62.946  | 68.662  | 73.248  | 67.846  | 64.202  |
| 81.0 | 90.021  | 88.262  | 85.435  | 68.914  | 58.046  | 63.323  | 67.657  | 62.632  | 59.114  |
| 81.5 | 82.922  | 81.038  | 78.588  | 63.260  | 53.146  | 57.920  | 62.129  | 57.417  | 54.276  |
| 82.0 | 75.949  | 74.002  | 71.803  | 57.732  | 48.371  | 52.832  | 56.664  | 52.392  | 49.565  |
| 82.5 | 69.416  | 67.343  | 65.144  | 52.329  | 43.911  | 47.932  | 51.324  | 47.680  | 44.916  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MX2D-4-00-L8-835-FA-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

|       |        |        |        |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 83.0  | 62.883 | 60.998 | 59.051 | 47.303 | 39.388 | 43.095 | 46.361 | 43.032 | 40.519 |
| 83.5  | 56.538 | 54.653 | 52.957 | 42.215 | 35.305 | 38.446 | 41.461 | 38.446 | 36.184 |
| 84.0  | 50.382 | 48.434 | 46.927 | 37.441 | 31.284 | 33.923 | 36.687 | 34.048 | 32.038 |
| 84.5  | 44.539 | 42.466 | 41.147 | 32.855 | 27.327 | 29.714 | 32.164 | 29.839 | 28.081 |
| 85.0  | 38.634 | 36.687 | 35.493 | 28.395 | 23.557 | 25.693 | 27.704 | 25.756 | 24.249 |
| 85.5  | 33.043 | 31.284 | 30.216 | 24.123 | 19.977 | 21.799 | 23.495 | 21.861 | 20.479 |
| 86.0  | 27.766 | 26.259 | 25.254 | 20.102 | 16.584 | 18.218 | 19.537 | 18.343 | 16.961 |
| 86.5  | 22.866 | 21.359 | 20.542 | 16.270 | 13.443 | 14.700 | 15.893 | 14.951 | 13.820 |
| 87.0  | 18.281 | 16.836 | 16.208 | 12.752 | 10.679 | 11.559 | 12.564 | 11.747 | 10.805 |
| 87.5  | 13.946 | 12.627 | 12.187 | 9.611  | 8.104  | 8.669  | 9.423  | 8.795  | 7.915  |
| 88.0  | 10.051 | 8.858  | 8.606  | 6.785  | 5.779  | 6.156  | 6.596  | 6.156  | 5.465  |
| 88.5  | 6.659  | 5.654  | 5.591  | 4.335  | 3.832  | 4.020  | 4.209  | 3.958  | 3.455  |
| 89.0  | 3.895  | 3.078  | 3.204  | 2.513  | 2.324  | 2.324  | 2.324  | 2.010  | 1.508  |
| 89.5  | 1.822  | 1.382  | 1.382  | 1.256  | 1.131  | 1.131  | 1.005  | 0.817  | 0.503  |
| 90.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 90.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 91.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 91.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 92.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 92.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 93.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 93.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 94.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 94.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 95.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 95.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 96.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 96.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 97.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 97.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 98.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 98.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 99.0  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 99.5  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 100.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 100.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 101.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 101.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 102.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 102.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 103.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 103.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 104.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 104.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 105.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 105.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 106.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 106.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 107.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 107.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 108.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 108.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 109.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 109.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 110.0 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |
| 110.5 | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : MX2D-4-00-L8-835-FA-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

|       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 111.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 111.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 113.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 113.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 114.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 114.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 116.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 116.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 118.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 118.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 119.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 119.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 121.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 121.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 123.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 123.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 124.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 124.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 126.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 126.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 128.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 128.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 129.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 129.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 131.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 131.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 133.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 133.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 134.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 134.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 136.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 136.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 138.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 138.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : MX2D-4-00-L8-835-FA-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

|       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 139.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 139.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 141.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 141.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 143.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 143.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 144.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 144.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 146.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 146.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 148.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 148.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 149.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 149.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 151.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 151.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 153.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 153.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 154.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 154.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 156.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 156.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 158.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 158.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 159.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 159.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 161.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 161.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 163.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 163.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 164.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 164.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 166.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 166.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : MX2D-4-00-L8-835-FA-DIM-UNV\_.IES

CANDELA TABULATION - (Cont.)

|       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 167.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 173.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 173.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MX2D-4-00-L8-835-FA-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 313.87  | N.A.  | 12.70  |
| 0-30    | 677.97  | N.A.  | 27.50  |
| 0-40    | 1121.43 | N.A.  | 45.50  |
| 0-60    | 1976.19 | N.A.  | 80.20  |
| 0-80    | 2428.89 | N.A.  | 98.50  |
| 0-90    | 2465.03 | N.A.  | 100.00 |
| 10-90   | 2385.33 | N.A.  | 96.80  |
| 20-40   | 807.57  | N.A.  | 32.80  |
| 20-50   | 1262.06 | N.A.  | 51.20  |
| 40-70   | 1148.95 | N.A.  | 46.60  |
| 60-80   | 452.70  | N.A.  | 18.40  |
| 70-80   | 158.51  | N.A.  | 6.40   |
| 80-90   | 36.14   | N.A.  | 1.50   |
| 90-110  | 0.00    | N.A.  | 0.00   |
| 90-120  | 0.00    | N.A.  | 0.00   |
| 90-130  | 0.00    | N.A.  | 0.00   |
| 90-150  | 0.00    | N.A.  | 0.00   |
| 90-180  | 0.00    | N.A.  | 0.00   |
| 110-180 | 0.00    | N.A.  | 0.00   |
| 0-180   | 2465.03 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 79.71  |
| 10-20   | 234.16 |
| 20-30   | 364.10 |
| 30-40   | 443.46 |
| 40-50   | 454.49 |
| 50-60   | 400.27 |
| 60-70   | 294.20 |
| 70-80   | 158.51 |
| 80-90   | 36.14  |
| 90-100  | 0.00   |
| 100-110 | 0.00   |
| 110-120 | 0.00   |
| 120-130 | 0.00   |
| 130-140 | 0.00   |
| 140-150 | 0.00   |
| 150-160 | 0.00   |
| 160-170 | 0.00   |
| 170-180 | 0.00   |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MX2D-4-00-L8-835-FA-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  | 238 | 238 | 238 | 238 | 232 | 232 | 232 | 232 | 222 | 222 | 222 | 213 | 213 | 213 | 204 | 204 | 204 | 200 |
| 1  | 218 | 208 | 200 | 193 | 212 | 204 | 196 | 189 | 195 | 189 | 183 | 188 | 183 | 178 | 180 | 176 | 173 | 168 |
| 2  | 198 | 182 | 168 | 157 | 193 | 178 | 166 | 155 | 171 | 161 | 152 | 164 | 156 | 148 | 158 | 151 | 145 | 140 |
| 3  | 181 | 160 | 144 | 131 | 176 | 157 | 142 | 129 | 151 | 138 | 127 | 145 | 134 | 125 | 140 | 131 | 123 | 118 |
| 4  | 165 | 142 | 124 | 111 | 161 | 139 | 123 | 110 | 134 | 120 | 108 | 129 | 117 | 107 | 125 | 114 | 105 | 101 |
| 5  | 152 | 126 | 108 | 95  | 148 | 124 | 107 | 95  | 120 | 105 | 94  | 116 | 103 | 93  | 112 | 101 | 92  | 87  |
| 6  | 140 | 114 | 96  | 83  | 137 | 112 | 95  | 83  | 108 | 93  | 82  | 105 | 91  | 81  | 102 | 90  | 80  | 76  |
| 7  | 130 | 103 | 86  | 73  | 127 | 101 | 85  | 73  | 98  | 83  | 72  | 95  | 82  | 72  | 93  | 81  | 71  | 67  |
| 8  | 121 | 94  | 77  | 65  | 118 | 93  | 76  | 65  | 90  | 75  | 65  | 87  | 74  | 64  | 85  | 73  | 64  | 60  |
| 9  | 113 | 86  | 70  | 59  | 110 | 85  | 69  | 59  | 83  | 68  | 58  | 81  | 67  | 58  | 79  | 66  | 58  | 54  |
| 10 | 106 | 79  | 64  | 53  | 103 | 78  | 63  | 53  | 76  | 62  | 53  | 75  | 62  | 52  | 73  | 61  | 52  | 49  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MX2D-4-00-L8-835-FA-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

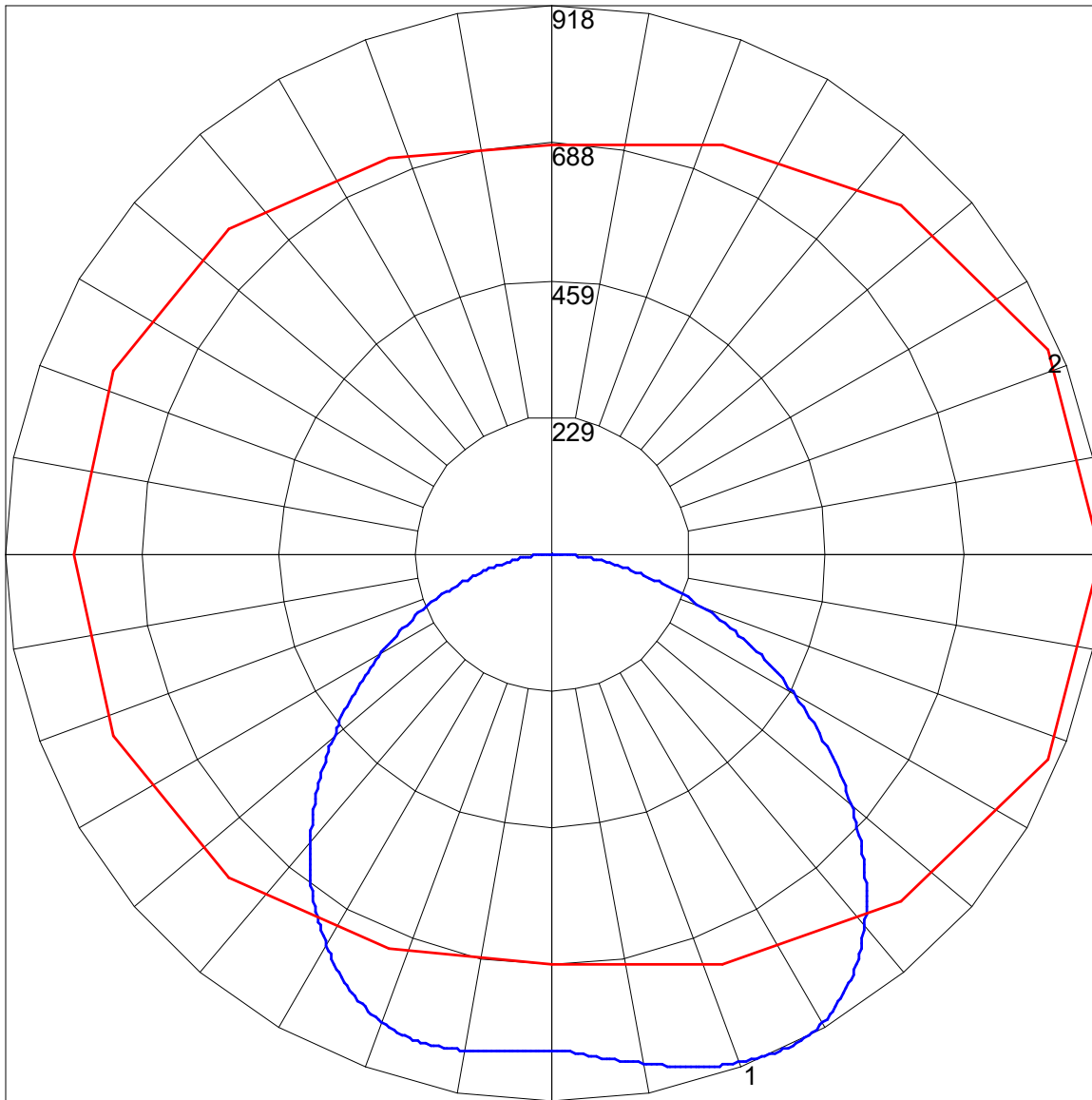
Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 |      |      |      |      | UGR Viewed Endwise |      |      |      |      |
|-----------|------|----------------------|------|------|------|------|--------------------|------|------|------|------|
| X=2H      | Y=2H | 20.0                 | 21.7 | 20.4 | 22.0 | 22.3 | 17.7               | 19.3 | 18.0 | 19.6 | 19.9 |
|           | 3H   | 21.7                 | 23.2 | 22.1 | 23.5 | 23.9 | 19.3               | 20.8 | 19.7 | 21.1 | 21.5 |
|           | 4H   | 22.3                 | 23.7 | 22.7 | 24.0 | 24.4 | 19.9               | 21.2 | 20.3 | 21.6 | 22.0 |
|           | 6H   | 22.7                 | 24.0 | 23.1 | 24.3 | 24.7 | 20.2               | 21.5 | 20.6 | 21.9 | 22.3 |
|           | 8H   | 22.8                 | 24.0 | 23.2 | 24.4 | 24.8 | 20.3               | 21.5 | 20.7 | 21.9 | 22.3 |
|           | 12H  | 22.9                 | 24.0 | 23.3 | 24.4 | 24.8 | 20.4               | 21.5 | 20.8 | 21.9 | 22.3 |
| 4H        | 2H   | 20.5                 | 21.9 | 20.9 | 22.3 | 22.7 | 18.6               | 20.0 | 19.0 | 20.3 | 20.7 |
|           | 3H   | 22.5                 | 23.6 | 22.9 | 24.0 | 24.4 | 20.4               | 21.6 | 20.8 | 22.0 | 22.4 |
|           | 4H   | 23.2                 | 24.2 | 23.6 | 24.6 | 25.1 | 21.1               | 22.1 | 21.5 | 22.5 | 23.0 |
|           | 6H   | 23.7                 | 24.6 | 24.1 | 25.0 | 25.5 | 21.5               | 22.5 | 22.0 | 22.9 | 23.4 |
|           | 8H   | 23.8                 | 24.7 | 24.3 | 25.1 | 25.6 | 21.7               | 22.5 | 22.1 | 23.0 | 23.4 |
|           | 12H  | 23.9                 | 24.7 | 24.4 | 25.2 | 25.6 | 21.7               | 22.5 | 22.2 | 23.0 | 23.4 |
| 8H        | 4H   | 23.4                 | 24.3 | 23.9 | 24.7 | 25.2 | 21.5               | 22.3 | 21.9 | 22.8 | 23.2 |
|           | 6H   | 24.0                 | 24.7 | 24.5 | 25.2 | 25.7 | 22.0               | 22.7 | 22.5 | 23.2 | 23.7 |
|           | 8H   | 24.2                 | 24.9 | 24.7 | 25.4 | 25.8 | 22.2               | 22.8 | 22.7 | 23.3 | 23.8 |
|           | 12H  | 24.4                 | 24.9 | 24.9 | 25.4 | 26.0 | 22.3               | 22.9 | 22.8 | 23.4 | 23.9 |
| 12H       | 4H   | 23.4                 | 24.2 | 23.9 | 24.7 | 25.1 | 21.5               | 22.3 | 22.0 | 22.7 | 23.2 |
|           | 6H   | 24.0                 | 24.7 | 24.6 | 25.1 | 25.7 | 22.1               | 22.7 | 22.6 | 23.2 | 23.7 |
|           | 8H   | 24.3                 | 24.9 | 24.8 | 25.3 | 25.9 | 22.3               | 22.9 | 22.8 | 23.4 | 23.9 |

Maximum UGR = 26.0

POLAR GRAPH



Maximum Candela = 917.8 Located At Horizontal Angle = 0, Vertical Angle = 25.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (25.5) (Through Max. Cd.)