



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2RX-8-00-L4-835-F-(L2)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 13012869.02
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 08/12/2020
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] MX2RG-8-00-L4-835-F-(L2)-DIM-UNV
[LUMINAIRE] Formed White aluminum housing, frosted plastic lens
[LAMP] 144 White LEDs

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 1714 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 114 |
| Total Luminaire Watts | 15 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.20 |
| Spacing Criterion (90-270) | 1.10 |
| Spacing Criterion (Diagonal) | 1.24 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 8.00 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 | 4688 | 4350 | 4043 |
| 55 | 4194 | 3855 | 3542 |
| 65 | 3698 | 3384 | 3114 |
| 75 | 3069 | 2870 | 2677 |
| 85 | 2260 | 2432 | 2427 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2RX-8-00-L4-835-F-(L2)-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> |
|-------------|------------|-------------|-------------|-------------|-------------|
| 0.0 | 742.095 | 742.095 | 742.095 | 742.095 | 742.095 |
| 0.5 | 741.031 | 746.883 | 741.031 | 740.499 | 739.435 |
| 1.0 | 741.031 | 746.883 | 740.499 | 740.499 | 739.435 |
| 1.5 | 741.031 | 746.351 | 740.499 | 740.499 | 738.903 |
| 2.0 | 741.031 | 746.351 | 739.967 | 739.967 | 739.435 |
| 2.5 | 740.499 | 745.819 | 739.435 | 739.967 | 738.903 |
| 3.0 | 739.435 | 745.287 | 738.903 | 739.435 | 738.371 |
| 3.5 | 739.435 | 744.755 | 738.371 | 739.435 | 737.839 |
| 4.0 | 738.371 | 744.223 | 737.307 | 738.371 | 736.775 |
| 4.5 | 737.839 | 743.159 | 736.775 | 737.839 | 735.711 |
| 5.0 | 737.307 | 742.095 | 735.711 | 736.775 | 735.179 |
| 5.5 | 736.243 | 741.563 | 734.647 | 735.711 | 734.115 |
| 6.0 | 735.179 | 740.499 | 733.583 | 734.647 | 732.520 |
| 6.5 | 734.115 | 739.435 | 732.520 | 733.051 | 731.456 |
| 7.0 | 733.051 | 737.839 | 731.456 | 731.988 | 730.392 |
| 7.5 | 731.456 | 736.775 | 729.860 | 729.860 | 728.796 |
| 8.0 | 730.392 | 735.179 | 728.796 | 728.264 | 727.200 |
| 8.5 | 728.796 | 734.115 | 727.200 | 726.136 | 725.072 |
| 9.0 | 727.732 | 732.520 | 725.604 | 724.540 | 722.944 |
| 9.5 | 726.136 | 730.924 | 724.008 | 721.880 | 720.816 |
| 10.0 | 724.540 | 728.796 | 721.880 | 719.752 | 718.156 |
| 10.5 | 722.944 | 727.200 | 720.284 | 717.624 | 715.497 |
| 11.0 | 720.816 | 725.604 | 718.156 | 714.965 | 712.837 |
| 11.5 | 718.688 | 723.476 | 716.029 | 712.837 | 709.645 |
| 12.0 | 717.092 | 721.348 | 713.901 | 709.645 | 706.985 |
| 12.5 | 714.965 | 719.220 | 711.241 | 706.985 | 703.261 |
| 13.0 | 712.305 | 717.092 | 708.581 | 703.793 | 700.069 |
| 13.5 | 710.709 | 714.965 | 705.389 | 700.601 | 696.878 |
| 14.0 | 708.049 | 712.305 | 703.261 | 697.410 | 693.686 |
| 14.5 | 705.389 | 710.177 | 700.069 | 694.218 | 689.962 |
| 15.0 | 703.261 | 706.985 | 696.878 | 690.494 | 686.770 |
| 15.5 | 700.601 | 704.325 | 693.686 | 687.302 | 683.047 |
| 16.0 | 698.474 | 701.665 | 690.494 | 683.578 | 678.791 |
| 16.5 | 695.814 | 699.006 | 687.302 | 679.855 | 675.067 |
| 17.0 | 693.686 | 696.346 | 683.578 | 676.131 | 671.343 |
| 17.5 | 690.494 | 693.686 | 679.855 | 671.875 | 667.087 |
| 18.0 | 686.770 | 691.026 | 676.131 | 667.619 | 662.832 |
| 18.5 | 683.578 | 687.302 | 672.407 | 663.896 | 658.576 |
| 19.0 | 680.387 | 684.110 | 668.683 | 659.640 | 654.320 |
| 19.5 | 676.663 | 680.387 | 664.428 | 655.384 | 649.533 |
| 20.0 | 673.471 | 676.663 | 660.172 | 650.596 | 645.277 |
| 20.5 | 669.747 | 672.939 | 656.448 | 646.341 | 640.489 |
| 21.0 | 666.556 | 669.215 | 652.192 | 641.553 | 635.701 |
| 21.5 | 663.364 | 664.960 | 647.937 | 636.765 | 630.914 |
| 22.0 | 659.108 | 661.236 | 644.213 | 631.446 | 625.594 |
| 22.5 | 655.384 | 657.512 | 639.425 | 626.658 | 620.274 |
| 23.0 | 651.660 | 653.256 | 635.169 | 621.338 | 614.955 |
| 23.5 | 647.937 | 649.001 | 630.914 | 616.019 | 609.103 |
| 24.0 | 643.681 | 645.277 | 626.126 | 610.699 | 603.783 |
| 24.5 | 639.425 | 641.021 | 621.338 | 605.379 | 598.464 |
| 25.0 | 635.169 | 636.765 | 616.551 | 600.060 | 593.144 |
| 25.5 | 630.914 | 631.978 | 611.231 | 594.740 | 587.824 |
| 26.0 | 626.126 | 627.722 | 605.911 | 589.420 | 581.973 |
| 26.5 | 621.870 | 622.934 | 601.124 | 583.569 | 576.653 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2RX-8-00-L4-835-F-(L2)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

| | | | | | |
|------|---------|---------|---------|---------|---------|
| 27.0 | 617.083 | 618.146 | 595.804 | 578.249 | 570.801 |
| 27.5 | 612.295 | 613.359 | 590.484 | 572.929 | 565.482 |
| 28.0 | 606.975 | 608.571 | 585.696 | 567.610 | 560.162 |
| 28.5 | 602.187 | 603.251 | 579.845 | 561.758 | 554.310 |
| 29.0 | 596.868 | 597.932 | 574.525 | 556.438 | 548.991 |
| 29.5 | 592.080 | 593.144 | 569.205 | 551.119 | 543.139 |
| 30.0 | 586.760 | 587.824 | 563.354 | 545.267 | 537.819 |
| 30.5 | 581.441 | 582.505 | 558.034 | 539.947 | 531.755 |
| 31.0 | 576.121 | 576.653 | 552.182 | 534.096 | 526.063 |
| 31.5 | 570.801 | 570.801 | 546.331 | 528.244 | 520.211 |
| 32.0 | 564.950 | 564.950 | 539.947 | 522.233 | 514.519 |
| 32.5 | 559.630 | 559.630 | 534.096 | 515.955 | 508.348 |
| 33.0 | 554.310 | 553.246 | 528.297 | 509.785 | 502.178 |
| 33.5 | 548.459 | 547.395 | 522.179 | 503.454 | 496.219 |
| 34.0 | 543.139 | 541.543 | 516.009 | 497.177 | 490.155 |
| 34.5 | 537.819 | 535.691 | 509.997 | 490.900 | 483.718 |
| 35.0 | 531.968 | 529.574 | 503.773 | 484.410 | 477.281 |
| 35.5 | 526.435 | 523.509 | 497.549 | 478.079 | 470.632 |
| 36.0 | 520.743 | 517.285 | 491.485 | 471.643 | 463.823 |
| 36.5 | 514.892 | 511.327 | 485.208 | 465.046 | 456.960 |
| 37.0 | 509.253 | 505.050 | 479.037 | 458.663 | 449.938 |
| 37.5 | 503.188 | 498.986 | 472.706 | 452.013 | 442.916 |
| 38.0 | 497.071 | 492.921 | 466.376 | 445.470 | 435.948 |
| 38.5 | 491.113 | 486.804 | 460.099 | 438.980 | 429.138 |
| 39.0 | 485.101 | 480.633 | 453.662 | 432.277 | 422.170 |
| 39.5 | 478.771 | 474.728 | 447.278 | 425.840 | 415.573 |
| 40.0 | 472.494 | 468.557 | 441.001 | 419.191 | 410.253 |
| 40.5 | 466.589 | 462.386 | 434.724 | 413.233 | 404.029 |
| 41.0 | 460.152 | 456.322 | 428.606 | 407.434 | 397.965 |
| 41.5 | 454.034 | 450.204 | 422.276 | 401.157 | 392.007 |
| 42.0 | 447.917 | 444.140 | 415.892 | 395.146 | 386.262 |
| 42.5 | 441.746 | 437.809 | 410.413 | 389.241 | 380.782 |
| 43.0 | 435.841 | 431.905 | 405.147 | 383.496 | 375.463 |
| 43.5 | 429.989 | 425.787 | 399.242 | 378.282 | 371.101 |
| 44.0 | 423.925 | 419.723 | 393.390 | 373.335 | 365.781 |
| 44.5 | 417.701 | 413.658 | 387.751 | 368.281 | 360.461 |
| 45.0 | 411.796 | 407.700 | 382.112 | 362.908 | 355.142 |
| 45.5 | 405.838 | 402.753 | 377.218 | 357.589 | 349.875 |
| 46.0 | 400.093 | 396.742 | 372.271 | 352.322 | 344.555 |
| 46.5 | 394.507 | 390.730 | 366.739 | 347.003 | 339.289 |
| 47.0 | 390.571 | 385.411 | 361.206 | 341.736 | 334.023 |
| 47.5 | 384.719 | 379.559 | 355.674 | 336.416 | 328.703 |
| 48.0 | 378.867 | 374.186 | 350.088 | 331.150 | 323.490 |
| 48.5 | 373.016 | 368.334 | 344.555 | 325.777 | 318.223 |
| 49.0 | 367.270 | 362.483 | 338.970 | 320.511 | 313.063 |
| 49.5 | 361.525 | 356.684 | 333.437 | 315.244 | 307.903 |
| 50.0 | 355.833 | 350.886 | 327.905 | 310.031 | 302.796 |
| 50.5 | 350.088 | 345.087 | 322.372 | 304.871 | 297.742 |
| 51.0 | 344.343 | 339.342 | 316.893 | 299.711 | 292.635 |
| 51.5 | 338.597 | 333.544 | 311.414 | 294.497 | 287.635 |
| 52.0 | 332.852 | 327.798 | 306.041 | 289.337 | 282.581 |
| 52.5 | 327.107 | 322.160 | 300.721 | 284.230 | 277.528 |
| 53.0 | 321.308 | 316.574 | 295.455 | 279.123 | 272.527 |
| 53.5 | 315.670 | 310.988 | 290.242 | 274.017 | 267.473 |
| 54.0 | 310.031 | 305.403 | 285.028 | 268.963 | 262.420 |
| 54.5 | 304.445 | 299.870 | 279.868 | 263.909 | 257.313 |

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| | | | | | |
|------|---------|---------|---------|---------|---------|
| 55.0 | 298.859 | 294.391 | 274.708 | 258.962 | 252.419 |
| 55.5 | 293.327 | 288.912 | 269.495 | 254.015 | 247.418 |
| 56.0 | 287.795 | 283.539 | 264.335 | 249.067 | 242.630 |
| 56.5 | 282.368 | 278.166 | 259.175 | 244.173 | 237.790 |
| 57.0 | 276.942 | 272.793 | 254.068 | 239.332 | 233.055 |
| 57.5 | 271.623 | 267.473 | 248.908 | 234.545 | 228.374 |
| 58.0 | 266.250 | 262.154 | 243.801 | 229.810 | 223.746 |
| 58.5 | 261.037 | 256.834 | 238.747 | 225.076 | 219.117 |
| 59.0 | 255.770 | 251.568 | 233.800 | 220.447 | 214.543 |
| 59.5 | 250.504 | 246.407 | 228.906 | 215.819 | 209.968 |
| 60.0 | 245.237 | 241.247 | 224.118 | 211.244 | 205.499 |
| 60.5 | 240.024 | 236.087 | 219.277 | 206.723 | 201.084 |
| 61.0 | 234.864 | 230.927 | 214.489 | 202.254 | 196.722 |
| 61.5 | 229.704 | 225.820 | 209.702 | 197.786 | 192.466 |
| 62.0 | 224.544 | 220.767 | 205.074 | 193.423 | 188.210 |
| 62.5 | 219.437 | 215.660 | 200.445 | 189.115 | 184.008 |
| 63.0 | 214.277 | 210.659 | 195.817 | 184.806 | 179.858 |
| 63.5 | 209.170 | 205.659 | 191.296 | 180.550 | 175.762 |
| 64.0 | 204.116 | 200.658 | 186.721 | 176.241 | 171.666 |
| 64.5 | 199.116 | 195.711 | 182.199 | 171.985 | 167.570 |
| 65.0 | 194.168 | 190.764 | 177.677 | 167.729 | 163.474 |
| 65.5 | 189.221 | 185.870 | 173.155 | 163.474 | 159.324 |
| 66.0 | 184.220 | 181.029 | 168.634 | 159.271 | 154.696 |
| 66.5 | 179.326 | 176.135 | 164.165 | 155.015 | 150.600 |
| 67.0 | 174.379 | 171.294 | 159.697 | 150.760 | 146.504 |
| 67.5 | 169.485 | 166.453 | 155.228 | 146.557 | 142.461 |
| 68.0 | 164.591 | 161.612 | 150.760 | 142.355 | 138.471 |
| 68.5 | 159.750 | 156.824 | 146.238 | 138.258 | 134.428 |
| 69.0 | 154.909 | 151.983 | 141.823 | 134.109 | 130.492 |
| 69.5 | 150.015 | 147.195 | 137.407 | 130.066 | 126.555 |
| 70.0 | 145.174 | 142.461 | 133.098 | 126.023 | 122.672 |
| 70.5 | 140.386 | 137.780 | 128.789 | 122.087 | 118.842 |
| 71.0 | 135.545 | 132.992 | 124.640 | 118.150 | 115.065 |
| 71.5 | 130.811 | 128.364 | 120.437 | 114.267 | 111.288 |
| 72.0 | 126.130 | 123.736 | 116.288 | 110.436 | 107.617 |
| 72.5 | 121.448 | 119.214 | 112.192 | 106.660 | 103.893 |
| 73.0 | 116.873 | 114.745 | 108.149 | 102.883 | 100.276 |
| 73.5 | 112.192 | 110.277 | 104.106 | 99.212 | 96.659 |
| 74.0 | 107.617 | 105.915 | 100.116 | 95.488 | 93.094 |
| 74.5 | 103.149 | 101.553 | 96.180 | 91.871 | 89.583 |
| 75.0 | 98.680 | 97.350 | 92.296 | 88.253 | 86.072 |
| 75.5 | 94.265 | 93.094 | 88.466 | 84.689 | 82.615 |
| 76.0 | 89.956 | 88.892 | 84.689 | 81.178 | 79.316 |
| 76.5 | 85.700 | 84.742 | 80.965 | 77.720 | 75.965 |
| 77.0 | 81.497 | 80.700 | 77.242 | 74.316 | 72.614 |
| 77.5 | 77.348 | 76.710 | 73.624 | 70.964 | 69.422 |
| 78.0 | 73.252 | 72.773 | 70.007 | 67.666 | 66.283 |
| 78.5 | 69.262 | 68.890 | 66.549 | 64.421 | 63.145 |
| 79.0 | 65.326 | 65.113 | 63.145 | 61.229 | 60.059 |
| 79.5 | 61.495 | 61.389 | 59.740 | 58.091 | 57.027 |
| 80.0 | 57.718 | 57.718 | 56.442 | 55.005 | 53.995 |
| 80.5 | 54.048 | 54.154 | 53.197 | 51.973 | 51.069 |
| 81.0 | 50.377 | 50.643 | 50.005 | 48.941 | 48.143 |
| 81.5 | 46.866 | 47.186 | 46.866 | 45.962 | 45.270 |
| 82.0 | 43.409 | 43.834 | 43.781 | 43.036 | 42.451 |
| 82.5 | 40.004 | 40.536 | 40.696 | 40.164 | 39.632 |

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| | | | | | |
|-------|--------|--------|--------|--------|--------|
| 83.0 | 36.759 | 37.291 | 37.663 | 37.344 | 36.919 |
| 83.5 | 33.567 | 34.206 | 34.737 | 34.578 | 34.206 |
| 84.0 | 30.429 | 31.120 | 31.865 | 31.812 | 31.546 |
| 84.5 | 27.396 | 28.194 | 29.045 | 29.152 | 28.886 |
| 85.0 | 24.471 | 25.322 | 26.332 | 26.545 | 26.279 |
| 85.5 | 21.651 | 22.609 | 23.673 | 23.939 | 23.726 |
| 86.0 | 18.885 | 19.896 | 21.013 | 21.438 | 21.279 |
| 86.5 | 16.278 | 17.289 | 18.459 | 18.938 | 18.778 |
| 87.0 | 13.725 | 14.736 | 15.906 | 16.491 | 16.385 |
| 87.5 | 11.278 | 12.288 | 13.459 | 14.150 | 14.097 |
| 88.0 | 8.884 | 9.895 | 11.118 | 11.916 | 11.969 |
| 88.5 | 6.490 | 7.554 | 8.884 | 9.788 | 9.895 |
| 89.0 | 4.096 | 5.266 | 6.650 | 7.660 | 7.660 |
| 89.5 | 1.809 | 3.245 | 4.575 | 5.479 | 5.532 |
| 90.0 | 0.319 | 1.596 | 3.032 | 4.043 | 4.362 |
| 90.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 91.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 91.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 92.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 93.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 93.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 94.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 94.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 96.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 96.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 98.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 98.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 99.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 99.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 101.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 101.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 103.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 103.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 104.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 104.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 106.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 106.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 108.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 108.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 109.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 109.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

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CANDELA TABULATION - (Cont.)

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2RX-8-00-L4-835-F-(L2)-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2RX-8-00-L4-835-F-(L2)-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

| | | | | | |
|-------|-------|-------|-------|-------|-------|
| 167.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169.5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 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 : MX2RX-8-00-L4-835-F-(L2)-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 266.27 | N.A. | 15.50 |
| 0-30 | 549.80 | N.A. | 32.10 |
| 0-40 | 865.38 | N.A. | 50.50 |
| 0-60 | 1409.22 | N.A. | 82.20 |
| 0-80 | 1684.77 | N.A. | 98.30 |
| 0-90 | 1714.19 | N.A. | 100.00 |
| 10-90 | 1644.23 | N.A. | 95.90 |
| 20-40 | 599.11 | N.A. | 34.90 |
| 20-50 | 895.90 | N.A. | 52.30 |
| 40-70 | 720.90 | N.A. | 42.10 |
| 60-80 | 275.55 | N.A. | 16.10 |
| 70-80 | 98.48 | N.A. | 5.70 |
| 80-90 | 29.42 | N.A. | 1.70 |
| 90-110 | 0.08 | N.A. | 0.00 |
| 90-120 | 0.08 | N.A. | 0.00 |
| 90-130 | 0.08 | N.A. | 0.00 |
| 90-150 | 0.08 | N.A. | 0.00 |
| 90-180 | 0.08 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 1714.26 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 69.96 |
| 10-20 | 196.31 |
| 20-30 | 283.53 |
| 30-40 | 315.58 |
| 40-50 | 296.79 |
| 50-60 | 247.06 |
| 60-70 | 177.06 |
| 70-80 | 98.48 |
| 80-90 | 29.42 |
| 90-100 | 0.08 |
| 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 : MX2RX-8-00-L4-835-F-(L2)-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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 98 | 95 | 93 | 94 | 92 | 90 | 91 | 89 | 87 | 85 |
| 2 | 100 | 92 | 86 | 80 | 97 | 90 | 84 | 79 | 87 | 82 | 77 | 84 | 79 | 76 | 81 | 77 | 74 | 72 |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 61 |
| 4 | 84 | 73 | 64 | 58 | 82 | 72 | 64 | 58 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 59 | 55 | 53 |
| 5 | 78 | 65 | 57 | 50 | 76 | 64 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 49 | 58 | 53 | 49 | 47 |
| 6 | 72 | 59 | 51 | 44 | 70 | 58 | 50 | 44 | 57 | 49 | 44 | 55 | 48 | 43 | 53 | 48 | 43 | 41 |
| 7 | 67 | 54 | 46 | 40 | 65 | 53 | 45 | 39 | 52 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 37 |
| 8 | 63 | 49 | 41 | 36 | 61 | 49 | 41 | 35 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 |
| 9 | 59 | 46 | 38 | 32 | 57 | 45 | 37 | 32 | 44 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 32 | 30 |
| 10 | 55 | 42 | 35 | 29 | 54 | 42 | 34 | 29 | 41 | 34 | 29 | 40 | 34 | 29 | 39 | 33 | 29 | 27 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2RX-8-00-L4-835-F-(L2)-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 | 16.9 | 18.5 | 17.3 | 18.8 | 19.1 | 16.0 | 17.5 | 16.3 | 17.8 | 18.1 |
| | 3H | 18.6 | 20.0 | 19.0 | 20.3 | 20.7 | 17.6 | 19.0 | 18.0 | 19.3 | 19.7 |
| | 4H | 19.2 | 20.5 | 19.6 | 20.9 | 21.2 | 18.2 | 19.5 | 18.6 | 19.9 | 20.3 |
| | 6H | 19.6 | 20.8 | 20.0 | 21.2 | 21.6 | 18.7 | 19.9 | 19.1 | 20.3 | 20.7 |
| | 8H | 19.7 | 20.9 | 20.2 | 21.3 | 21.7 | 18.8 | 20.0 | 19.3 | 20.4 | 20.8 |
| | 12H | 19.8 | 20.9 | 20.2 | 21.3 | 21.7 | 19.0 | 20.1 | 19.4 | 20.5 | 20.9 |

UGR Viewed Endwise

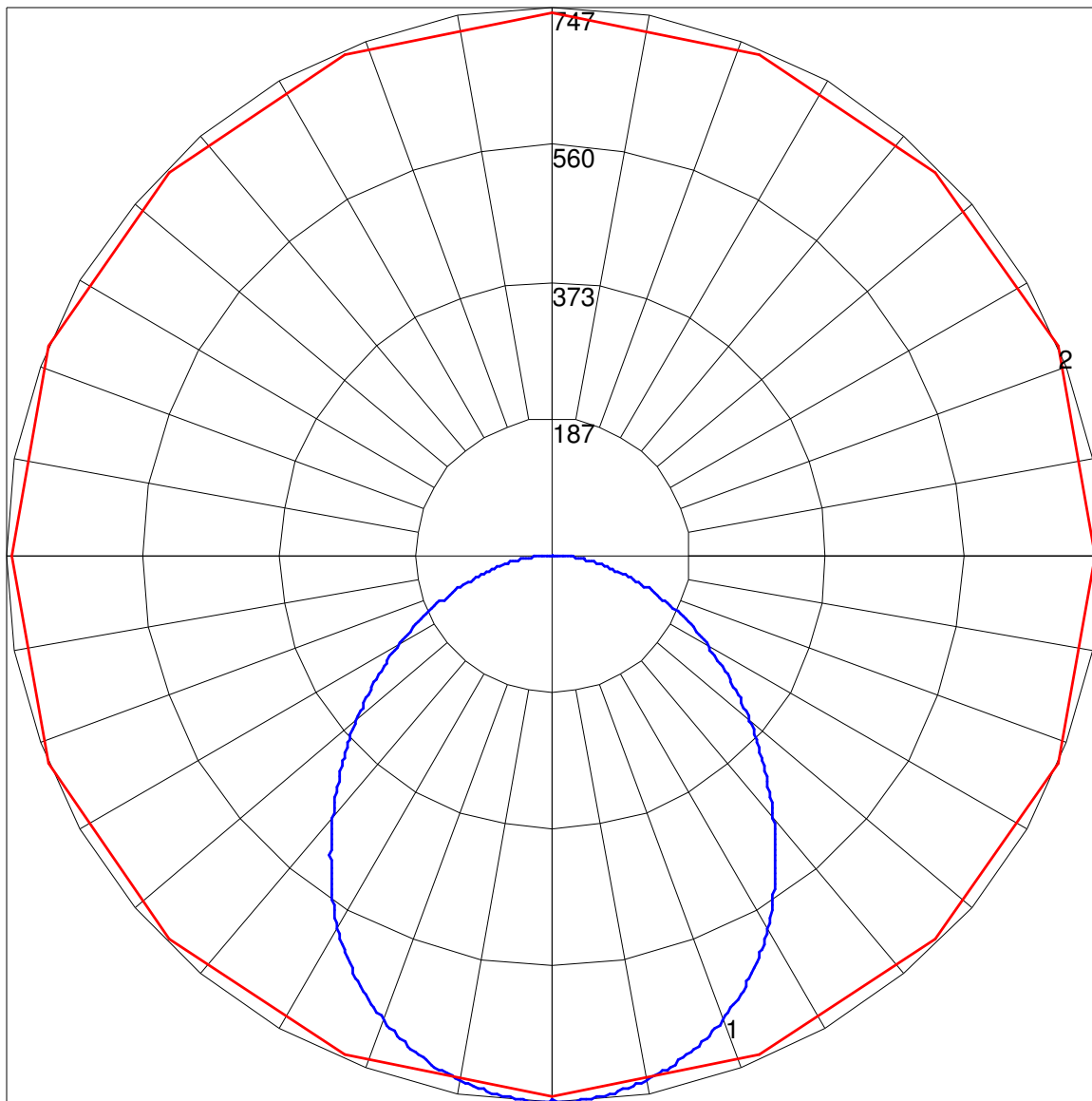
| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 17.4 | 18.7 | 17.8 | 19.1 | 19.4 | 16.6 | 17.9 | 17.0 | 18.3 | 18.7 |
| | 3H | 19.3 | 20.4 | 19.7 | 20.8 | 21.2 | 18.5 | 19.6 | 18.9 | 20.0 | 20.4 |
| | 4H | 20.0 | 21.0 | 20.5 | 21.4 | 21.9 | 19.2 | 20.2 | 19.6 | 20.6 | 21.1 |
| | 6H | 20.6 | 21.4 | 21.0 | 21.9 | 22.3 | 19.8 | 20.7 | 20.3 | 21.1 | 21.6 |
| | 8H | 20.8 | 21.6 | 21.2 | 22.0 | 22.5 | 20.0 | 20.8 | 20.5 | 21.3 | 21.7 |
| | 12H | 20.9 | 21.6 | 21.4 | 22.1 | 22.6 | 20.2 | 20.9 | 20.7 | 21.4 | 21.9 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 20.3 | 21.1 | 20.7 | 21.5 | 22.0 | 19.5 | 20.3 | 20.0 | 20.8 | 21.3 |
| | 6H | 20.9 | 21.6 | 21.4 | 22.1 | 22.6 | 20.3 | 20.9 | 20.7 | 21.4 | 21.9 |
| | 8H | 21.2 | 21.8 | 21.7 | 22.3 | 22.8 | 20.5 | 21.2 | 21.1 | 21.7 | 22.2 |
| | 12H | 21.4 | 21.9 | 21.9 | 22.4 | 23.0 | 20.8 | 21.4 | 21.3 | 21.8 | 22.4 |

| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 20.3 | 21.0 | 20.8 | 21.5 | 22.0 | 19.6 | 20.3 | 20.1 | 20.8 | 21.2 |
| | 6H | 21.0 | 21.6 | 21.5 | 22.1 | 22.6 | 20.3 | 20.9 | 20.8 | 21.4 | 21.9 |
| | 8H | 21.3 | 21.8 | 21.8 | 22.3 | 22.9 | 20.7 | 21.2 | 21.2 | 21.7 | 22.3 |

Maximum UGR = 23.0

POLAR GRAPH



Maximum Candela = 746.883 Located At Horizontal Angle = 22.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)