



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FT-22-LS-8CS-AF-EM10W-DIM-UNV_24W_3500K_EMER MODE ONLY.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]GEN FROM 15184934.04
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 10-07-2024
[TEST DATE] 2/28/2024
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] FT-22-LS-8CS-AF-DIM-UNV_24W_3500K_EM10W
[LUMINAIRE] Recessed 2 x 2 Lumen/Wattage selectable, CCT selectable,
[MORE] LED Troffer w/center frosted acrylic lens.
[LAMP] HLM 80 CRI 3500/5000K CCT LED
[BALLAST] 0-10V DIMMING DRIVER

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 1420 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 142 |
| Total Luminaire Watts | 10 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.22 |
| Spacing Criterion (90-270) | 1.30 |
| Spacing Criterion (Diagonal) | 1.38 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 1.92 ft |
| Luminous Width (90-270) | 1.92 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 1197 | 1318 | 1426 |
| 55 | 1106 | 1283 | 1456 |
| 65 | 998 | 1270 | 1539 |
| 75 | 849 | 1343 | 1804 |
| 85 | 658 | 1396 | 1601 |

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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 | 484.503 | 484.503 | 484.503 | 484.503 | 484.503 | 484.503 | 484.503 | 484.503 | 484.503 |
| 0.5 | 479.740 | 486.577 | 485.624 | 483.943 | 483.551 | 483.943 | 485.176 | 486.465 | 479.572 |
| 1.0 | 479.460 | 486.521 | 485.288 | 483.887 | 483.159 | 483.887 | 485.232 | 486.129 | 479.628 |
| 1.5 | 479.796 | 486.297 | 484.784 | 483.719 | 482.934 | 483.943 | 485.120 | 486.129 | 479.292 |
| 2.0 | 479.404 | 485.736 | 484.840 | 483.439 | 482.934 | 483.327 | 484.784 | 485.624 | 478.788 |
| 2.5 | 479.180 | 485.904 | 484.784 | 483.495 | 482.318 | 483.327 | 484.728 | 485.624 | 478.283 |
| 3.0 | 479.348 | 485.512 | 484.391 | 483.327 | 482.542 | 482.822 | 484.391 | 485.176 | 478.003 |
| 3.5 | 479.404 | 484.952 | 484.503 | 482.990 | 482.262 | 482.542 | 483.551 | 484.728 | 477.499 |
| 4.0 | 478.844 | 485.120 | 483.887 | 482.654 | 481.758 | 481.926 | 483.719 | 484.503 | 477.275 |
| 4.5 | 478.620 | 484.223 | 483.383 | 482.038 | 481.421 | 481.590 | 482.990 | 483.999 | 476.658 |
| 5.0 | 478.171 | 483.887 | 483.215 | 481.702 | 481.253 | 481.141 | 482.262 | 483.159 | 475.874 |
| 5.5 | 477.555 | 483.103 | 482.374 | 481.029 | 480.805 | 480.693 | 481.926 | 482.822 | 475.033 |
| 6.0 | 477.163 | 482.990 | 482.206 | 480.861 | 480.637 | 480.189 | 481.365 | 482.038 | 473.744 |
| 6.5 | 476.210 | 482.150 | 481.197 | 480.245 | 479.796 | 479.740 | 480.693 | 481.590 | 473.072 |
| 7.0 | 475.818 | 481.197 | 480.861 | 479.908 | 479.124 | 479.348 | 479.908 | 480.749 | 472.511 |
| 7.5 | 475.145 | 480.413 | 479.908 | 479.292 | 478.732 | 479.012 | 479.572 | 479.964 | 471.951 |
| 8.0 | 474.024 | 479.684 | 479.348 | 478.620 | 478.507 | 478.339 | 478.676 | 479.012 | 470.662 |
| 8.5 | 473.576 | 479.012 | 479.012 | 478.115 | 477.667 | 477.667 | 477.835 | 478.059 | 469.653 |
| 9.0 | 472.680 | 478.059 | 477.779 | 477.275 | 477.387 | 477.163 | 477.107 | 477.107 | 468.813 |
| 9.5 | 472.063 | 477.219 | 477.219 | 476.994 | 476.770 | 476.434 | 476.322 | 476.266 | 467.860 |
| 10.0 | 471.166 | 476.322 | 476.042 | 475.986 | 476.042 | 475.593 | 475.313 | 475.313 | 466.235 |
| 10.5 | 469.710 | 475.201 | 475.425 | 475.481 | 475.313 | 474.529 | 474.641 | 474.305 | 465.899 |
| 11.0 | 468.981 | 474.136 | 474.361 | 474.641 | 474.585 | 473.912 | 473.408 | 472.904 | 464.890 |
| 11.5 | 467.412 | 472.792 | 473.912 | 473.968 | 473.800 | 473.016 | 472.511 | 472.119 | 463.265 |
| 12.0 | 466.235 | 472.007 | 472.680 | 472.904 | 472.792 | 471.951 | 471.391 | 470.774 | 461.920 |
| 12.5 | 464.778 | 470.606 | 471.503 | 472.287 | 471.783 | 471.223 | 470.046 | 469.317 | 460.631 |
| 13.0 | 462.985 | 469.149 | 470.214 | 471.223 | 471.391 | 469.990 | 468.925 | 468.084 | 458.950 |
| 13.5 | 462.032 | 467.636 | 469.373 | 469.878 | 469.934 | 469.149 | 467.692 | 466.571 | 457.549 |
| 14.0 | 460.407 | 466.403 | 467.916 | 469.149 | 468.925 | 467.524 | 466.179 | 465.058 | 456.541 |
| 14.5 | 458.502 | 464.890 | 466.796 | 467.748 | 468.196 | 466.964 | 464.946 | 463.153 | 454.859 |
| 15.0 | 456.653 | 463.377 | 465.339 | 466.459 | 466.627 | 465.619 | 463.545 | 461.752 | 452.786 |
| 15.5 | 455.084 | 461.752 | 463.601 | 465.395 | 465.843 | 464.554 | 462.032 | 459.791 | 451.217 |
| 16.0 | 453.346 | 460.015 | 462.481 | 463.994 | 464.666 | 463.097 | 460.463 | 457.942 | 449.648 |
| 16.5 | 451.161 | 458.334 | 460.687 | 462.761 | 463.209 | 461.416 | 458.558 | 456.148 | 447.631 |
| 17.0 | 449.424 | 456.316 | 458.950 | 461.192 | 462.032 | 459.735 | 456.989 | 454.187 | 445.557 |
| 17.5 | 447.350 | 454.523 | 457.605 | 459.455 | 460.519 | 458.278 | 455.028 | 452.282 | 443.540 |
| 18.0 | 445.501 | 452.282 | 455.532 | 458.166 | 459.286 | 456.765 | 453.122 | 450.152 | 441.691 |
| 18.5 | 443.148 | 450.769 | 453.963 | 456.653 | 457.605 | 455.028 | 451.161 | 447.799 | 439.505 |
| 19.0 | 441.242 | 448.807 | 451.833 | 454.972 | 455.812 | 452.954 | 449.088 | 445.781 | 437.320 |
| 19.5 | 439.729 | 446.398 | 450.096 | 453.346 | 454.243 | 451.441 | 447.406 | 443.876 | 434.854 |
| 20.0 | 436.871 | 444.324 | 447.967 | 451.441 | 452.338 | 449.872 | 445.389 | 441.803 | 432.781 |
| 20.5 | 434.910 | 442.475 | 445.949 | 449.816 | 450.769 | 447.967 | 443.540 | 439.505 | 430.651 |
| 21.0 | 432.893 | 439.897 | 444.324 | 448.079 | 449.312 | 446.286 | 441.522 | 437.656 | 428.354 |
| 21.5 | 430.427 | 437.936 | 442.307 | 446.398 | 447.687 | 444.661 | 439.729 | 435.134 | 425.776 |
| 22.0 | 428.690 | 435.190 | 440.122 | 444.548 | 446.118 | 443.035 | 437.600 | 432.949 | 423.254 |
| 22.5 | 426.168 | 433.397 | 438.272 | 442.979 | 444.492 | 441.522 | 436.143 | 430.539 | 420.957 |
| 23.0 | 423.871 | 430.875 | 436.367 | 441.186 | 443.035 | 439.785 | 434.013 | 428.634 | 418.267 |
| 23.5 | 421.293 | 428.354 | 434.181 | 439.673 | 441.578 | 438.328 | 431.884 | 426.224 | 415.745 |
| 24.0 | 419.051 | 426.112 | 432.444 | 438.104 | 440.122 | 436.647 | 430.091 | 423.646 | 413.391 |
| 24.5 | 416.530 | 423.927 | 430.035 | 436.087 | 438.496 | 434.910 | 427.849 | 421.349 | 410.533 |
| 25.0 | 414.624 | 421.629 | 428.129 | 434.462 | 436.703 | 433.005 | 425.888 | 418.995 | 407.788 |
| 25.5 | 412.103 | 419.275 | 426.056 | 432.612 | 434.910 | 431.268 | 423.590 | 416.698 | 405.378 |
| 26.0 | 409.973 | 416.810 | 423.871 | 430.707 | 433.117 | 429.362 | 421.461 | 414.176 | 402.296 |
| 26.5 | 407.059 | 413.840 | 421.965 | 428.914 | 431.324 | 427.345 | 419.388 | 411.710 | 399.830 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 27.0 | 404.986 | 411.486 | 419.612 | 427.121 | 429.586 | 425.047 | 417.090 | 409.189 | 397.140 |
| 27.5 | 402.128 | 409.133 | 417.314 | 424.991 | 427.625 | 422.974 | 414.568 | 406.275 | 393.890 |
| 28.0 | 399.550 | 406.275 | 414.792 | 422.862 | 425.664 | 420.676 | 412.271 | 403.697 | 391.425 |
| 28.5 | 397.028 | 403.529 | 412.551 | 420.788 | 423.646 | 418.939 | 409.581 | 400.895 | 388.567 |
| 29.0 | 393.946 | 400.615 | 410.141 | 418.491 | 421.181 | 416.698 | 407.283 | 398.429 | 386.381 |
| 29.5 | 390.976 | 398.149 | 407.227 | 416.025 | 418.939 | 414.400 | 404.706 | 395.347 | 383.747 |
| 30.0 | 388.174 | 395.067 | 404.650 | 414.064 | 416.810 | 412.271 | 401.736 | 392.601 | 381.282 |
| 30.5 | 386.605 | 392.153 | 402.240 | 411.654 | 415.073 | 409.749 | 399.158 | 389.631 | 379.096 |
| 31.0 | 384.196 | 389.295 | 399.494 | 409.189 | 412.719 | 407.676 | 396.692 | 387.614 | 375.790 |
| 31.5 | 380.665 | 387.166 | 396.636 | 406.835 | 410.253 | 405.210 | 394.002 | 384.812 | 372.540 |
| 32.0 | 377.583 | 384.308 | 393.890 | 404.369 | 408.460 | 402.800 | 391.313 | 382.571 | 370.074 |
| 32.5 | 374.613 | 381.506 | 391.705 | 402.128 | 406.107 | 400.223 | 389.295 | 379.713 | 366.656 |
| 33.0 | 371.587 | 379.208 | 389.631 | 399.774 | 403.809 | 398.149 | 386.886 | 376.350 | 363.574 |
| 33.5 | 368.169 | 376.070 | 386.942 | 397.701 | 401.567 | 395.964 | 384.252 | 373.380 | 359.987 |
| 34.0 | 364.695 | 372.876 | 384.028 | 394.843 | 399.494 | 393.610 | 382.122 | 370.354 | 357.073 |
| 34.5 | 361.781 | 369.906 | 381.842 | 392.433 | 397.309 | 390.864 | 379.601 | 366.768 | 354.047 |
| 35.0 | 357.914 | 366.376 | 379.545 | 390.248 | 394.899 | 388.903 | 376.519 | 363.574 | 350.741 |
| 35.5 | 354.720 | 363.406 | 376.631 | 388.511 | 392.657 | 386.829 | 373.773 | 360.268 | 347.547 |
| 36.0 | 351.750 | 359.931 | 373.773 | 386.381 | 390.024 | 384.924 | 370.859 | 357.073 | 344.129 |
| 36.5 | 348.107 | 356.793 | 370.915 | 384.532 | 387.726 | 382.851 | 367.945 | 354.047 | 340.710 |
| 37.0 | 344.521 | 353.375 | 367.833 | 381.954 | 385.877 | 380.105 | 364.919 | 350.629 | 337.796 |
| 37.5 | 341.607 | 350.181 | 365.031 | 379.432 | 383.915 | 377.135 | 362.117 | 347.435 | 334.266 |
| 38.0 | 337.628 | 347.043 | 362.061 | 376.462 | 382.010 | 374.613 | 358.811 | 344.297 | 330.736 |
| 38.5 | 334.658 | 343.512 | 359.147 | 373.773 | 379.545 | 372.148 | 356.121 | 340.766 | 327.485 |
| 39.0 | 331.072 | 340.206 | 355.953 | 371.083 | 376.911 | 369.234 | 352.758 | 337.348 | 324.011 |
| 39.5 | 327.653 | 336.956 | 352.927 | 368.337 | 374.445 | 366.376 | 349.844 | 334.042 | 320.593 |
| 40.0 | 324.235 | 333.537 | 349.844 | 365.647 | 371.923 | 363.854 | 346.538 | 330.736 | 317.174 |
| 40.5 | 320.873 | 330.007 | 346.818 | 363.013 | 369.234 | 360.940 | 343.680 | 327.205 | 313.812 |
| 41.0 | 317.455 | 326.701 | 343.512 | 360.099 | 366.656 | 358.306 | 340.710 | 324.011 | 310.394 |
| 41.5 | 314.036 | 323.170 | 340.766 | 357.298 | 363.966 | 355.560 | 337.404 | 320.369 | 306.751 |
| 42.0 | 310.618 | 319.808 | 337.684 | 354.608 | 361.444 | 352.758 | 334.266 | 316.838 | 303.389 |
| 42.5 | 307.144 | 316.446 | 334.266 | 351.694 | 358.530 | 349.844 | 331.128 | 313.252 | 299.803 |
| 43.0 | 303.333 | 312.803 | 331.184 | 349.004 | 356.065 | 346.930 | 327.710 | 309.945 | 296.384 |
| 43.5 | 299.915 | 309.217 | 327.822 | 345.978 | 353.039 | 344.017 | 325.020 | 306.415 | 293.022 |
| 44.0 | 296.328 | 305.631 | 324.796 | 343.232 | 350.461 | 341.327 | 321.657 | 302.941 | 289.492 |
| 44.5 | 292.854 | 302.212 | 321.377 | 340.150 | 347.491 | 338.301 | 318.519 | 299.466 | 286.073 |
| 45.0 | 289.155 | 298.850 | 318.519 | 337.236 | 344.689 | 335.387 | 314.877 | 295.936 | 282.431 |
| 45.5 | 285.793 | 295.264 | 315.045 | 334.378 | 341.831 | 332.305 | 311.851 | 292.406 | 278.901 |
| 46.0 | 281.871 | 291.733 | 311.907 | 331.296 | 339.029 | 329.335 | 308.376 | 288.875 | 275.258 |
| 46.5 | 278.228 | 288.259 | 308.489 | 328.158 | 336.283 | 326.421 | 305.406 | 285.233 | 271.840 |
| 47.0 | 274.530 | 284.616 | 305.238 | 325.188 | 333.369 | 323.507 | 302.044 | 281.814 | 268.197 |
| 47.5 | 270.943 | 281.310 | 302.100 | 322.386 | 330.511 | 320.481 | 298.794 | 278.340 | 264.555 |
| 48.0 | 267.637 | 277.724 | 298.626 | 319.248 | 327.541 | 317.343 | 295.320 | 274.642 | 261.080 |
| 48.5 | 263.938 | 274.193 | 295.320 | 316.110 | 324.459 | 314.429 | 291.957 | 271.055 | 257.382 |
| 49.0 | 260.072 | 270.551 | 292.069 | 313.084 | 321.601 | 311.403 | 288.707 | 267.469 | 253.796 |
| 49.5 | 256.373 | 266.908 | 288.763 | 310.170 | 318.575 | 308.432 | 285.289 | 264.107 | 250.265 |
| 50.0 | 252.787 | 263.210 | 285.457 | 306.919 | 315.942 | 305.182 | 282.039 | 260.520 | 246.623 |
| 50.5 | 249.088 | 259.623 | 282.207 | 304.005 | 312.803 | 302.156 | 278.676 | 256.766 | 243.092 |
| 51.0 | 245.838 | 255.981 | 278.788 | 300.867 | 309.777 | 298.850 | 275.426 | 253.235 | 239.170 |
| 51.5 | 242.028 | 252.619 | 275.258 | 297.897 | 306.751 | 295.880 | 272.232 | 249.705 | 235.639 |
| 52.0 | 238.385 | 248.808 | 271.728 | 294.591 | 303.893 | 292.574 | 268.534 | 246.118 | 232.109 |
| 52.5 | 234.799 | 245.166 | 268.646 | 291.453 | 300.811 | 289.548 | 265.283 | 242.644 | 228.522 |
| 53.0 | 231.044 | 241.635 | 265.059 | 288.203 | 297.729 | 286.634 | 262.033 | 239.058 | 224.824 |
| 53.5 | 227.570 | 238.049 | 261.753 | 285.177 | 294.759 | 283.271 | 258.839 | 235.415 | 221.125 |
| 54.0 | 224.039 | 234.462 | 258.279 | 282.039 | 291.565 | 280.133 | 255.253 | 231.661 | 217.427 |
| 54.5 | 220.117 | 230.820 | 254.916 | 278.901 | 288.427 | 276.883 | 251.778 | 228.130 | 213.616 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 55.0 | 216.698 | 227.234 | 251.498 | 275.482 | 285.401 | 273.745 | 248.416 | 224.208 | 209.806 |
| 55.5 | 212.944 | 223.591 | 248.136 | 272.288 | 282.375 | 270.439 | 245.054 | 220.845 | 206.388 |
| 56.0 | 209.414 | 219.893 | 244.605 | 269.094 | 279.237 | 267.357 | 241.803 | 217.203 | 202.857 |
| 56.5 | 205.603 | 216.306 | 241.243 | 266.068 | 276.099 | 264.219 | 238.329 | 213.504 | 199.327 |
| 57.0 | 201.961 | 212.944 | 237.825 | 262.706 | 272.904 | 260.800 | 234.743 | 209.862 | 195.628 |
| 57.5 | 198.206 | 209.021 | 234.406 | 259.511 | 269.878 | 257.718 | 231.324 | 206.275 | 192.154 |
| 58.0 | 194.507 | 205.491 | 231.100 | 256.317 | 266.684 | 254.300 | 228.074 | 202.633 | 188.399 |
| 58.5 | 190.865 | 201.904 | 227.626 | 253.067 | 263.546 | 251.218 | 224.656 | 198.878 | 184.701 |
| 59.0 | 187.279 | 198.318 | 224.264 | 249.705 | 260.408 | 248.024 | 221.238 | 195.292 | 181.114 |
| 59.5 | 183.636 | 194.732 | 220.733 | 246.623 | 257.270 | 244.605 | 217.819 | 191.762 | 177.584 |
| 60.0 | 179.938 | 191.145 | 217.427 | 243.204 | 254.188 | 241.411 | 214.513 | 188.175 | 173.998 |
| 60.5 | 176.519 | 187.335 | 214.009 | 239.954 | 250.826 | 238.161 | 210.927 | 184.645 | 170.355 |
| 61.0 | 172.541 | 183.804 | 210.590 | 236.648 | 247.743 | 234.799 | 207.452 | 181.058 | 166.657 |
| 61.5 | 169.066 | 180.162 | 207.004 | 233.174 | 244.437 | 231.492 | 204.034 | 177.472 | 162.846 |
| 62.0 | 165.368 | 176.631 | 203.698 | 230.092 | 241.131 | 228.242 | 200.672 | 173.942 | 159.540 |
| 62.5 | 161.949 | 173.045 | 200.279 | 226.897 | 238.161 | 224.992 | 197.365 | 170.299 | 155.785 |
| 63.0 | 158.531 | 169.459 | 196.805 | 223.647 | 235.023 | 222.022 | 194.003 | 166.713 | 152.199 |
| 63.5 | 154.833 | 165.872 | 193.555 | 220.285 | 231.885 | 218.548 | 190.529 | 163.350 | 148.612 |
| 64.0 | 151.246 | 162.398 | 189.968 | 217.203 | 228.747 | 215.354 | 187.054 | 159.820 | 144.970 |
| 64.5 | 147.548 | 158.867 | 186.774 | 213.953 | 225.552 | 212.159 | 183.692 | 156.290 | 141.608 |
| 65.0 | 144.073 | 155.281 | 183.468 | 210.758 | 222.302 | 208.853 | 180.498 | 152.815 | 137.909 |
| 65.5 | 140.543 | 151.863 | 180.106 | 207.508 | 219.332 | 205.827 | 177.248 | 149.229 | 134.435 |
| 66.0 | 137.069 | 148.276 | 176.743 | 204.370 | 216.194 | 202.465 | 173.830 | 145.811 | 130.848 |
| 66.5 | 133.426 | 144.746 | 173.493 | 201.344 | 213.168 | 199.439 | 170.635 | 142.336 | 127.318 |
| 67.0 | 129.896 | 141.328 | 170.131 | 198.150 | 210.086 | 196.189 | 167.329 | 138.918 | 123.956 |
| 67.5 | 126.197 | 137.853 | 166.881 | 194.956 | 206.892 | 193.050 | 164.079 | 135.500 | 120.369 |
| 68.0 | 122.611 | 134.379 | 163.406 | 191.650 | 203.866 | 190.080 | 160.829 | 132.025 | 117.007 |
| 68.5 | 118.968 | 130.961 | 160.268 | 188.455 | 200.840 | 186.998 | 157.635 | 128.663 | 113.589 |
| 69.0 | 115.494 | 127.598 | 156.906 | 185.485 | 197.870 | 183.916 | 154.440 | 125.301 | 110.283 |
| 69.5 | 112.076 | 124.180 | 153.712 | 182.515 | 194.956 | 180.890 | 151.246 | 121.938 | 106.752 |
| 70.0 | 108.770 | 120.930 | 150.462 | 179.377 | 191.930 | 177.752 | 147.940 | 118.464 | 103.502 |
| 70.5 | 105.183 | 117.567 | 147.212 | 176.351 | 188.792 | 174.614 | 144.746 | 115.214 | 100.252 |
| 71.0 | 101.709 | 114.149 | 143.961 | 173.157 | 185.766 | 171.532 | 141.552 | 111.908 | 97.114 |
| 71.5 | 98.234 | 110.843 | 140.879 | 170.243 | 182.683 | 168.618 | 138.358 | 108.545 | 93.695 |
| 72.0 | 94.760 | 107.537 | 137.685 | 167.049 | 179.545 | 165.424 | 135.275 | 105.295 | 90.501 |
| 72.5 | 91.398 | 104.286 | 134.659 | 163.967 | 176.463 | 162.286 | 132.137 | 102.101 | 87.195 |
| 73.0 | 88.036 | 101.036 | 131.409 | 160.829 | 173.269 | 159.204 | 129.111 | 99.019 | 83.945 |
| 73.5 | 84.785 | 97.786 | 128.271 | 157.635 | 169.963 | 155.841 | 125.861 | 95.713 | 80.807 |
| 74.0 | 81.591 | 94.648 | 125.133 | 154.216 | 166.601 | 152.591 | 122.611 | 92.631 | 77.612 |
| 74.5 | 78.285 | 91.286 | 121.938 | 150.966 | 163.014 | 149.229 | 119.641 | 89.324 | 74.474 |
| 75.0 | 75.091 | 88.204 | 118.800 | 147.660 | 159.596 | 145.811 | 116.335 | 86.186 | 71.224 |
| 75.5 | 71.953 | 84.953 | 115.662 | 144.017 | 156.009 | 142.504 | 113.309 | 83.104 | 68.142 |
| 76.0 | 68.758 | 81.871 | 112.468 | 140.543 | 152.255 | 138.918 | 110.114 | 80.078 | 65.116 |
| 76.5 | 65.732 | 78.789 | 109.218 | 136.957 | 148.164 | 135.275 | 106.976 | 77.108 | 62.090 |
| 77.0 | 62.762 | 75.651 | 106.080 | 133.146 | 143.961 | 131.353 | 103.782 | 74.082 | 59.064 |
| 77.5 | 59.792 | 72.625 | 102.886 | 129.111 | 139.702 | 127.262 | 100.588 | 71.112 | 56.094 |
| 78.0 | 56.822 | 69.599 | 99.579 | 124.908 | 135.388 | 123.171 | 97.282 | 68.142 | 53.135 |
| 78.5 | 53.802 | 66.629 | 96.105 | 120.706 | 130.736 | 119.080 | 93.919 | 65.228 | 50.344 |
| 79.0 | 50.938 | 63.715 | 92.575 | 116.279 | 125.973 | 114.597 | 90.501 | 62.370 | 47.559 |
| 79.5 | 48.008 | 60.801 | 88.988 | 111.852 | 120.706 | 110.170 | 86.971 | 59.400 | 44.819 |
| 80.0 | 45.155 | 57.887 | 85.346 | 107.032 | 115.270 | 105.295 | 83.328 | 56.486 | 42.034 |
| 80.5 | 42.376 | 54.945 | 81.535 | 102.101 | 109.442 | 100.252 | 79.518 | 53.662 | 39.479 |
| 81.0 | 39.680 | 51.992 | 77.725 | 96.609 | 103.502 | 94.928 | 75.595 | 50.787 | 36.912 |
| 81.5 | 37.035 | 48.983 | 73.634 | 91.118 | 97.058 | 89.492 | 71.672 | 47.873 | 34.452 |
| 82.0 | 34.334 | 46.114 | 69.711 | 85.458 | 90.557 | 83.889 | 67.582 | 44.965 | 31.914 |
| 82.5 | 31.678 | 43.261 | 65.396 | 79.462 | 83.777 | 77.949 | 63.603 | 42.068 | 29.465 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : FT-22-LS-8CS-AF-EM10W-DIM-UNV_24W_3500K_EMER MODE ONLY.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 83.0 | 28.988 | 40.336 | 61.081 | 73.298 | 76.772 | 71.672 | 59.288 | 39.120 | 27.089 |
| 83.5 | 26.573 | 37.321 | 56.486 | 66.741 | 69.711 | 65.172 | 54.867 | 36.156 | 24.707 |
| 84.0 | 24.169 | 34.217 | 51.678 | 60.129 | 62.538 | 58.560 | 50.305 | 33.163 | 22.443 |
| 84.5 | 21.894 | 31.101 | 46.724 | 53.331 | 55.108 | 51.818 | 45.458 | 30.070 | 20.146 |
| 85.0 | 19.591 | 27.851 | 41.586 | 46.293 | 47.688 | 45.071 | 40.314 | 26.943 | 17.966 |
| 85.5 | 17.288 | 24.556 | 36.285 | 39.255 | 40.162 | 38.218 | 35.029 | 23.749 | 15.775 |
| 86.0 | 15.018 | 21.194 | 30.770 | 32.199 | 32.631 | 31.140 | 29.812 | 20.465 | 13.578 |
| 86.5 | 12.799 | 17.876 | 25.251 | 25.049 | 25.161 | 24.253 | 24.276 | 17.114 | 11.364 |
| 87.0 | 10.720 | 14.419 | 19.518 | 18.039 | 17.809 | 17.579 | 18.857 | 13.830 | 9.033 |
| 87.5 | 8.742 | 11.039 | 14.082 | 11.449 | 11.006 | 11.348 | 13.550 | 10.597 | 6.966 |
| 88.0 | 6.719 | 7.817 | 8.888 | 5.850 | 5.195 | 5.828 | 8.389 | 7.464 | 4.903 |
| 88.5 | 4.730 | 4.836 | 4.332 | 2.213 | 1.586 | 2.309 | 4.136 | 4.489 | 3.004 |
| 89.0 | 2.807 | 2.426 | 1.457 | 0.874 | 0.706 | 0.908 | 1.423 | 2.129 | 1.362 |
| 89.5 | 1.261 | 0.947 | 0.555 | 0.504 | 0.516 | 0.493 | 0.482 | 0.723 | 0.420 |
| 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 : FT-22-LS-8CS-AF-EM10W-DIM-UNV_24W_3500K_EMER MODE ONLY.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 : FT-22-LS-8CS-AF-EM10W-DIM-UNV_24W_3500K_EMER MODE ONLY.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 : FT-22-LS-8CS-AF-EM10W-DIM-UNV_24W_3500K_EMER MODE ONLY.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 : FT-22-LS-8CS-AF-EM10W-DIM-UNV_24W_3500K_EMER MODE ONLY.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 176.41 | N.A. | 12.40 |
| 0-30 | 372.78 | N.A. | 26.30 |
| 0-40 | 608.50 | N.A. | 42.90 |
| 0-60 | 1076.21 | N.A. | 75.80 |
| 0-80 | 1379.48 | N.A. | 97.20 |
| 0-90 | 1419.75 | N.A. | 100.00 |
| 10-90 | 1373.99 | N.A. | 96.80 |
| 20-40 | 432.09 | N.A. | 30.40 |
| 20-50 | 676.24 | N.A. | 47.60 |
| 40-70 | 648.00 | N.A. | 45.60 |
| 60-80 | 303.26 | N.A. | 21.40 |
| 70-80 | 122.98 | N.A. | 8.70 |
| 80-90 | 40.28 | N.A. | 2.80 |
| 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 | 1419.75 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 45.77 |
| 10-20 | 130.64 |
| 20-30 | 196.37 |
| 30-40 | 235.72 |
| 40-50 | 244.15 |
| 50-60 | 223.57 |
| 60-70 | 180.29 |
| 70-80 | 122.98 |
| 80-90 | 40.28 |
| 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 : FT-22-LS-8CS-AF-EM10W-DIM-UNV_24W_3500K_EMER MODE ONLY.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 | 108 | 103 | 98 | 94 | 105 | 101 | 96 | 93 | 96 | 93 | 90 | 92 | 90 | 87 | 89 | 86 | 84 | 82 |
| 2 | 98 | 89 | 82 | 76 | 95 | 87 | 81 | 75 | 84 | 78 | 73 | 80 | 76 | 72 | 77 | 73 | 70 | 68 |
| 3 | 89 | 78 | 69 | 63 | 86 | 76 | 68 | 62 | 73 | 67 | 61 | 71 | 65 | 60 | 68 | 63 | 59 | 57 |
| 4 | 81 | 69 | 60 | 53 | 79 | 68 | 59 | 53 | 65 | 58 | 52 | 63 | 56 | 51 | 60 | 55 | 50 | 48 |
| 5 | 75 | 62 | 52 | 45 | 73 | 60 | 52 | 45 | 58 | 51 | 45 | 56 | 49 | 44 | 54 | 48 | 44 | 41 |
| 6 | 69 | 55 | 46 | 40 | 67 | 54 | 46 | 39 | 53 | 45 | 39 | 51 | 44 | 39 | 49 | 43 | 38 | 36 |
| 7 | 64 | 50 | 41 | 35 | 62 | 49 | 41 | 35 | 48 | 40 | 35 | 46 | 39 | 34 | 45 | 39 | 34 | 32 |
| 8 | 60 | 46 | 37 | 31 | 58 | 45 | 37 | 31 | 44 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 30 | 28 |
| 9 | 56 | 42 | 34 | 28 | 54 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 32 | 28 | 38 | 32 | 27 | 26 |
| 10 | 52 | 39 | 31 | 25 | 51 | 38 | 31 | 25 | 37 | 30 | 25 | 36 | 30 | 25 | 35 | 29 | 25 | 23 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : FT-22-LS-8CS-AF-EM10W-DIM-UNV_24W_3500K_EMER MODE ONLY.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 |

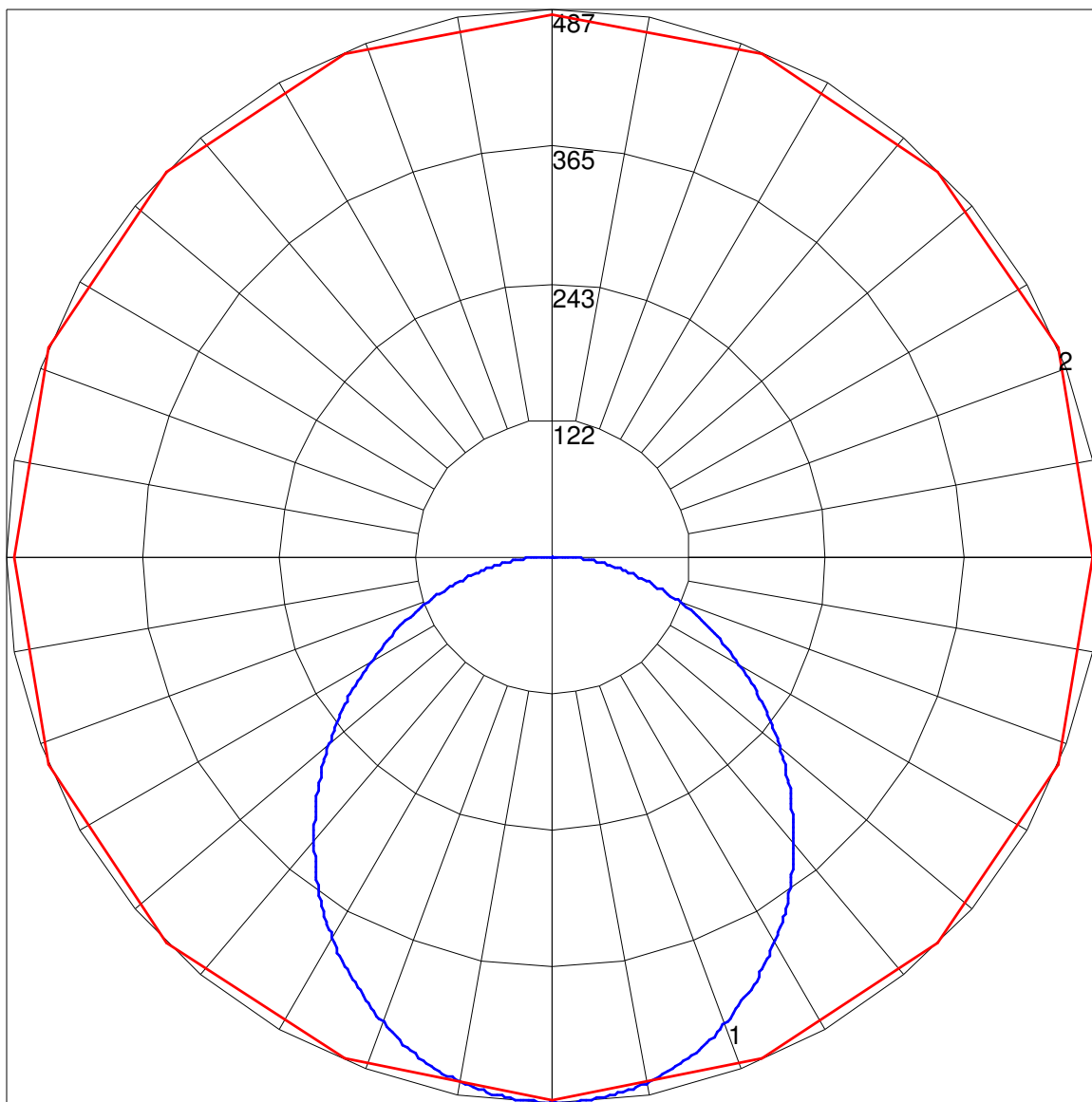
| Room Size | | UGR Viewed Crosswise | | | | | UGR Viewed Endwise | | | | |
|-----------|------|----------------------|------|------|------|------|--------------------|------|------|------|------|
| X=2H | Y=2H | 12.1 | 13.8 | 12.5 | 14.1 | 14.4 | 13.7 | 15.4 | 14.1 | 15.7 | 16.0 |
| | 3H | 13.8 | 15.3 | 14.2 | 15.7 | 16.0 | 16.1 | 17.6 | 16.5 | 17.9 | 18.3 |
| | 4H | 14.4 | 15.9 | 14.8 | 16.2 | 16.6 | 17.2 | 18.7 | 17.6 | 19.0 | 19.4 |
| | 6H | 14.9 | 16.3 | 15.3 | 16.6 | 17.0 | 18.3 | 19.6 | 18.7 | 20.0 | 20.4 |
| | 8H | 15.1 | 16.4 | 15.5 | 16.7 | 17.1 | 18.6 | 19.9 | 19.1 | 20.3 | 20.7 |
| | 12H | 15.2 | 16.4 | 15.6 | 16.8 | 17.2 | 18.9 | 20.1 | 19.3 | 20.5 | 20.9 |
| 4H | 2H | 13.0 | 14.4 | 13.4 | 14.8 | 15.2 | 14.2 | 15.7 | 14.6 | 16.0 | 16.4 |
| | 3H | 15.0 | 16.2 | 15.4 | 16.6 | 17.0 | 16.9 | 18.1 | 17.3 | 18.5 | 18.9 |
| | 4H | 15.8 | 16.9 | 16.2 | 17.3 | 17.7 | 18.3 | 19.4 | 18.7 | 19.8 | 20.2 |
| | 6H | 16.4 | 17.3 | 16.8 | 17.8 | 18.2 | 19.5 | 20.5 | 19.9 | 20.9 | 21.3 |
| | 8H | 16.6 | 17.5 | 17.0 | 17.9 | 18.4 | 19.9 | 20.8 | 20.4 | 21.3 | 21.8 |
| | 12H | 16.7 | 17.5 | 17.2 | 18.0 | 18.5 | 20.2 | 21.1 | 20.7 | 21.5 | 22.0 |
| 8H | 4H | 16.4 | 17.4 | 16.9 | 17.8 | 18.3 | 18.5 | 19.5 | 19.0 | 19.9 | 20.4 |
| | 6H | 17.2 | 18.0 | 17.7 | 18.5 | 19.0 | 20.0 | 20.7 | 20.5 | 21.2 | 21.7 |
| | 8H | 17.5 | 18.2 | 18.0 | 18.7 | 19.2 | 20.6 | 21.2 | 21.1 | 21.7 | 22.2 |
| | 12H | 17.8 | 18.4 | 18.3 | 18.9 | 19.4 | 21.0 | 21.6 | 21.5 | 22.1 | 22.6 |
| 12H | 4H | 16.6 | 17.4 | 17.1 | 17.9 | 18.4 | 18.6 | 19.4 | 19.1 | 19.9 | 20.3 |
| | 6H | 17.5 | 18.2 | 18.0 | 18.7 | 19.2 | 20.0 | 20.7 | 20.6 | 21.2 | 21.7 |
| | 8H | 17.9 | 18.5 | 18.4 | 19.0 | 19.5 | 20.7 | 21.3 | 21.2 | 21.8 | 22.3 |

Maximum UGR = 22.6

IES INDOOR REPORT

PHOTOMETRIC FILENAME : FT-22-LS-8CS-AF-EM10W-DIM-UNV_24W_3500K_EMER MODE ONLY.IES

POLAR GRAPH



Maximum Candela = 486.577 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.)