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IES INDOOR REPORT

PHOTOMETRIC FILENAME : FSN SEED 6 LIGHT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLI-18097-2

[TESTLAB] LightLab International (www.LightLabInternational.com)

[MANUFAC] Justice Design Group, Los Angeles, CA 90071

[LUMCAT] Artisan Glass (FSN) - Seeded Glass (SEED) 6-Light Bath Bar

[LUMINAIRE] Justice Design Group - Wall mount bathroom luminaire. Product ID: FSN SEED 6-Light

[MORE] Steel formed housing and six frosted clear glass lenses with white interior.

[MORE] 60 LEDs mounted in six circular arrays with white plastic dome lenses.

[MORE] No driver.

[MORE] Operating at 120 VAC and 60 Hz.

[OTHER] Absolute test - lamp lumens value set to -1

[MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.

[MORE] The sample was tested at a distance of 8m.

[MORE] This IES file created by LightLab/LSA Report program version 3.820a.

[DATE] This file created: Thursday, April 19, 2018 8:36:38 AM

[ISSUEDATE] Thursday, April 19, 2018 8:36:38 AM

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 3594 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 80 |
| Total Luminaire Watts | 45 |
| Ballast Factor | 1.00 |
| CIE Type | Semi-Direct |
| Spacing Criterion (0-180) | 1.54 |
| Spacing Criterion (90-270) | 1.72 |
| Spacing Criterion (Diagonal) | 1.54 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 0.08 m |
| Luminous Width (90-270) | 0.99 m |
| Luminous Height | 0.14 m |

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LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 3194 | 3731 | 8593 |
| 55 | 2684 | 2915 | 5789 |
| 65 | 2406 | 2547 | 4232 |
| 75 | 2259 | 2373 | 3394 |
| 85 | 2194 | 2333 | 2597 |

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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 | 588.532 | 588.532 | 588.532 | 588.532 | 588.532 | 588.532 | 588.532 | 588.532 | 588.532 |
| 0.5 | 588.837 | 583.364 | 584.321 | 588.173 | 589.076 | 590.164 | 593.841 | 593.047 | 592.938 |
| 1.0 | 587.890 | 582.581 | 583.516 | 587.814 | 589.696 | 592.188 | 597.519 | 597.921 | 598.019 |
| 1.5 | 588.728 | 583.048 | 583.723 | 588.184 | 590.686 | 594.755 | 601.925 | 603.568 | 604.123 |
| 2.0 | 591.034 | 585.192 | 584.931 | 588.880 | 592.090 | 597.649 | 606.821 | 609.857 | 610.825 |
| 2.5 | 594.788 | 588.205 | 587.009 | 590.349 | 593.896 | 601.338 | 612.261 | 616.613 | 618.017 |
| 3.0 | 599.379 | 592.351 | 590.120 | 591.959 | 595.898 | 604.885 | 618.082 | 623.598 | 625.633 |
| 3.5 | 604.830 | 597.334 | 593.994 | 594.527 | 598.172 | 609.041 | 624.044 | 630.877 | 633.412 |
| 4.0 | 610.934 | 603.046 | 598.182 | 597.334 | 600.739 | 613.229 | 630.170 | 638.330 | 641.213 |
| 4.5 | 617.647 | 608.888 | 602.981 | 600.717 | 603.612 | 617.636 | 636.447 | 645.848 | 649.014 |
| 5.0 | 624.479 | 615.405 | 608.203 | 604.134 | 606.658 | 622.358 | 642.769 | 653.061 | 657.032 |
| 5.5 | 631.802 | 622.412 | 613.730 | 608.051 | 609.791 | 627.101 | 649.286 | 660.862 | 664.822 |
| 6.0 | 639.200 | 629.147 | 619.540 | 612.131 | 613.153 | 631.900 | 656.086 | 668.587 | 672.917 |
| 6.5 | 646.609 | 636.099 | 625.578 | 616.417 | 616.689 | 636.828 | 662.581 | 676.421 | 681.045 |
| 7.0 | 654.399 | 643.389 | 631.617 | 621.052 | 620.323 | 642.007 | 669.436 | 684.080 | 689.085 |
| 7.5 | 662.015 | 650.657 | 637.786 | 625.491 | 624.077 | 646.979 | 676.159 | 691.816 | 697.049 |
| 8.0 | 669.305 | 657.859 | 644.227 | 630.300 | 627.830 | 652.408 | 683.046 | 699.617 | 704.948 |
| 8.5 | 677.247 | 664.953 | 650.515 | 634.989 | 631.617 | 657.544 | 689.803 | 707.015 | 712.814 |
| 9.0 | 684.700 | 672.395 | 656.924 | 639.951 | 635.457 | 662.603 | 696.559 | 714.588 | 720.844 |
| 9.5 | 692.316 | 679.423 | 663.169 | 644.760 | 639.276 | 667.825 | 703.120 | 721.953 | 728.275 |
| 10.0 | 700.139 | 686.974 | 669.751 | 649.765 | 643.215 | 673.211 | 709.920 | 729.439 | 735.804 |
| 10.5 | 707.657 | 694.177 | 676.029 | 654.965 | 647.142 | 678.346 | 716.339 | 736.805 | 743.441 |
| 11.0 | 715.469 | 701.542 | 682.361 | 659.872 | 651.266 | 683.569 | 722.889 | 743.931 | 750.285 |
| 11.5 | 723.030 | 708.854 | 688.954 | 665.062 | 655.107 | 689.009 | 729.417 | 750.742 | 757.302 |
| 12.0 | 729.787 | 715.969 | 695.406 | 670.165 | 659.056 | 694.296 | 735.847 | 757.281 | 763.820 |
| 12.5 | 736.163 | 722.889 | 701.901 | 675.289 | 663.093 | 699.541 | 742.321 | 763.820 | 769.978 |
| 13.0 | 741.189 | 729.221 | 708.179 | 680.457 | 667.162 | 704.513 | 748.805 | 769.825 | 776.060 |
| 13.5 | 745.726 | 734.911 | 714.685 | 685.745 | 671.046 | 709.811 | 754.909 | 775.722 | 781.391 |
| 14.0 | 749.273 | 739.481 | 720.800 | 690.575 | 674.865 | 714.925 | 760.741 | 781.260 | 785.590 |
| 14.5 | 752.232 | 743.713 | 727.208 | 695.776 | 678.988 | 719.919 | 766.561 | 786.004 | 788.941 |
| 15.0 | 755.203 | 747.053 | 733.312 | 701.009 | 682.992 | 725.076 | 772.284 | 790.029 | 790.900 |
| 15.5 | 757.302 | 749.861 | 739.198 | 705.829 | 686.876 | 729.917 | 777.594 | 792.989 | 791.629 |
| 16.0 | 758.630 | 752.113 | 744.703 | 710.921 | 691.011 | 734.901 | 782.892 | 794.686 | 791.574 |
| 16.5 | 759.468 | 754.158 | 749.676 | 715.861 | 694.840 | 739.720 | 787.962 | 795.372 | 790.867 |
| 17.0 | 760.120 | 755.398 | 754.038 | 720.985 | 698.964 | 744.638 | 792.477 | 795.578 | 789.747 |
| 17.5 | 760.490 | 756.291 | 757.564 | 725.794 | 702.826 | 749.382 | 796.655 | 794.806 | 788.310 |
| 18.0 | 760.490 | 756.813 | 760.686 | 730.864 | 706.939 | 753.984 | 800.311 | 793.892 | 786.646 |
| 18.5 | 760.120 | 756.943 | 763.123 | 735.401 | 710.823 | 758.499 | 803.336 | 792.434 | 784.927 |
| 19.0 | 759.500 | 756.835 | 765.180 | 740.351 | 714.816 | 763.254 | 805.762 | 790.802 | 782.849 |
| 19.5 | 758.575 | 756.301 | 766.714 | 745.019 | 718.668 | 767.486 | 807.253 | 788.887 | 780.912 |
| 20.0 | 757.172 | 755.638 | 767.791 | 749.480 | 722.530 | 771.882 | 808.210 | 786.863 | 778.823 |
| 20.5 | 755.529 | 754.408 | 768.824 | 754.202 | 726.664 | 776.462 | 808.058 | 784.611 | 776.353 |
| 21.0 | 753.712 | 753.027 | 768.901 | 758.706 | 730.168 | 780.640 | 807.775 | 782.174 | 774.058 |
| 21.5 | 751.558 | 751.329 | 768.792 | 763.101 | 734.128 | 784.709 | 806.828 | 779.802 | 771.392 |
| 22.0 | 749.240 | 749.349 | 768.139 | 767.573 | 737.718 | 788.680 | 805.305 | 777.115 | 768.618 |
| 22.5 | 746.814 | 746.923 | 767.214 | 771.599 | 741.537 | 792.260 | 803.368 | 774.210 | 766.050 |
| 23.0 | 743.855 | 744.355 | 766.235 | 775.592 | 745.052 | 795.513 | 801.453 | 771.501 | 763.254 |
| 23.5 | 740.917 | 741.570 | 764.690 | 779.334 | 748.653 | 798.755 | 798.853 | 768.193 | 759.946 |
| 24.0 | 737.958 | 738.469 | 762.677 | 782.566 | 752.047 | 801.486 | 796.188 | 764.712 | 756.486 |
| 24.5 | 734.182 | 734.944 | 760.784 | 785.046 | 755.322 | 803.825 | 793.206 | 761.393 | 753.255 |
| 25.0 | 730.625 | 731.332 | 758.010 | 787.429 | 758.673 | 805.903 | 789.866 | 757.498 | 749.599 |
| 25.5 | 726.936 | 727.404 | 755.279 | 788.702 | 761.850 | 807.220 | 786.363 | 753.908 | 745.900 |
| 26.0 | 722.922 | 723.335 | 752.080 | 789.649 | 765.147 | 808.449 | 782.664 | 749.632 | 741.668 |
| 26.5 | 718.863 | 718.950 | 748.566 | 789.888 | 768.074 | 809.320 | 778.725 | 745.324 | 737.392 |

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 27.0 | 714.675 | 714.468 | 744.703 | 789.899 | 771.044 | 809.592 | 774.471 | 740.732 | 732.779 |
| 27.5 | 710.366 | 710.203 | 740.797 | 789.224 | 773.840 | 809.537 | 770.228 | 736.424 | 728.166 |
| 28.0 | 705.677 | 705.557 | 736.435 | 787.984 | 776.789 | 808.765 | 765.310 | 731.365 | 723.009 |
| 28.5 | 700.792 | 700.650 | 731.647 | 786.265 | 779.411 | 807.492 | 760.490 | 726.240 | 717.460 |
| 29.0 | 696.037 | 695.700 | 726.751 | 784.165 | 782.087 | 805.501 | 755.420 | 720.974 | 711.933 |
| 29.5 | 690.662 | 690.630 | 721.507 | 781.282 | 784.720 | 802.846 | 750.165 | 715.360 | 706.112 |
| 30.0 | 685.288 | 685.418 | 716.154 | 777.898 | 786.940 | 799.506 | 744.649 | 709.594 | 700.106 |
| 30.5 | 679.826 | 680.011 | 710.410 | 773.894 | 789.083 | 795.415 | 738.861 | 703.664 | 693.818 |
| 31.0 | 674.103 | 674.538 | 704.589 | 769.706 | 790.758 | 790.758 | 733.138 | 697.343 | 687.398 |
| 31.5 | 668.250 | 668.805 | 698.485 | 764.810 | 791.738 | 785.525 | 726.795 | 690.945 | 680.718 |
| 32.0 | 662.287 | 663.158 | 692.240 | 759.718 | 792.118 | 780.335 | 720.691 | 684.493 | 673.875 |
| 32.5 | 655.716 | 657.109 | 686.038 | 754.060 | 792.031 | 774.286 | 714.174 | 677.519 | 666.476 |
| 33.0 | 649.166 | 650.896 | 679.467 | 747.957 | 791.030 | 767.932 | 707.461 | 670.447 | 659.317 |
| 33.5 | 642.845 | 644.564 | 673.037 | 741.668 | 789.333 | 761.132 | 700.737 | 663.528 | 651.875 |
| 34.0 | 635.936 | 638.134 | 666.346 | 734.835 | 786.950 | 754.278 | 693.731 | 655.912 | 644.292 |
| 34.5 | 629.114 | 631.584 | 659.578 | 727.861 | 783.719 | 746.890 | 686.528 | 648.448 | 636.763 |
| 35.0 | 622.075 | 624.621 | 652.691 | 720.430 | 779.182 | 739.209 | 679.021 | 640.854 | 629.005 |
| 35.5 | 615.003 | 617.821 | 645.761 | 712.934 | 773.187 | 731.756 | 671.731 | 633.085 | 621.139 |
| 36.0 | 607.811 | 610.673 | 638.602 | 704.774 | 765.821 | 723.661 | 663.865 | 625.013 | 613.088 |
| 36.5 | 600.924 | 603.818 | 631.671 | 697.049 | 758.064 | 715.817 | 656.195 | 617.397 | 605.352 |
| 37.0 | 593.711 | 596.627 | 624.218 | 688.486 | 749.436 | 707.537 | 648.143 | 609.128 | 596.931 |
| 37.5 | 586.019 | 589.261 | 617.027 | 680.000 | 740.003 | 699.149 | 640.027 | 600.815 | 588.924 |
| 38.0 | 578.827 | 581.917 | 609.465 | 671.361 | 730.124 | 690.858 | 631.747 | 592.721 | 580.894 |
| 38.5 | 571.657 | 574.584 | 601.893 | 662.461 | 720.180 | 682.067 | 623.304 | 584.223 | 572.658 |
| 39.0 | 564.803 | 567.185 | 594.244 | 653.660 | 709.507 | 673.439 | 614.600 | 575.770 | 564.607 |
| 39.5 | 557.611 | 559.678 | 586.476 | 644.531 | 698.376 | 664.518 | 606.005 | 567.686 | 556.838 |
| 40.0 | 550.506 | 552.443 | 578.675 | 635.414 | 687.148 | 655.585 | 597.388 | 559.373 | 548.961 |
| 40.5 | 544.000 | 545.251 | 570.808 | 626.188 | 675.376 | 646.435 | 588.303 | 551.137 | 541.432 |
| 41.0 | 537.755 | 538.234 | 563.051 | 617.125 | 664.181 | 637.394 | 579.534 | 543.010 | 534.262 |
| 41.5 | 531.804 | 531.096 | 554.771 | 607.572 | 652.125 | 627.885 | 570.438 | 535.002 | 526.690 |
| 42.0 | 526.179 | 524.275 | 546.644 | 597.976 | 640.604 | 618.343 | 561.158 | 527.234 | 519.574 |
| 42.5 | 520.771 | 517.757 | 538.658 | 588.630 | 628.657 | 608.921 | 551.975 | 519.498 | 512.633 |
| 43.0 | 516.038 | 511.349 | 530.400 | 578.968 | 616.711 | 598.977 | 542.879 | 511.893 | 505.583 |
| 43.5 | 511.752 | 505.659 | 522.186 | 569.242 | 605.222 | 589.304 | 533.566 | 504.756 | 499.316 |
| 44.0 | 507.421 | 500.154 | 513.949 | 559.471 | 593.493 | 579.251 | 524.383 | 497.629 | 493.549 |
| 44.5 | 503.352 | 495.192 | 505.822 | 549.636 | 582.124 | 569.340 | 515.266 | 490.753 | 488.469 |
| 45.0 | 499.338 | 490.742 | 497.706 | 539.670 | 570.623 | 558.982 | 506.159 | 484.280 | 483.388 |
| 45.5 | 495.486 | 486.477 | 489.687 | 530.074 | 559.711 | 549.168 | 497.260 | 478.524 | 478.546 |
| 46.0 | 491.482 | 482.582 | 481.756 | 520.129 | 548.156 | 538.701 | 488.294 | 472.965 | 474.085 |
| 46.5 | 487.783 | 478.492 | 473.987 | 510.000 | 536.732 | 528.148 | 479.634 | 467.862 | 469.309 |
| 47.0 | 484.106 | 474.379 | 466.654 | 500.034 | 525.319 | 517.714 | 471.311 | 462.998 | 464.913 |
| 47.5 | 480.298 | 470.701 | 459.245 | 489.818 | 513.667 | 506.965 | 463.075 | 458.451 | 460.191 |
| 48.0 | 476.435 | 466.893 | 452.597 | 479.775 | 501.981 | 496.324 | 455.415 | 453.881 | 455.850 |
| 48.5 | 473.084 | 463.390 | 446.156 | 469.494 | 490.090 | 485.738 | 447.984 | 449.507 | 451.237 |
| 49.0 | 469.592 | 459.745 | 440.346 | 459.517 | 477.871 | 475.195 | 441.173 | 444.959 | 447.005 |
| 49.5 | 465.827 | 456.264 | 435.015 | 449.464 | 465.708 | 464.358 | 434.623 | 440.597 | 442.446 |
| 50.0 | 462.422 | 452.902 | 430.217 | 439.715 | 453.446 | 454.022 | 428.835 | 436.092 | 438.399 |
| 50.5 | 458.984 | 449.344 | 425.734 | 429.749 | 440.956 | 443.458 | 423.156 | 431.805 | 433.960 |
| 51.0 | 455.774 | 445.895 | 421.491 | 419.881 | 428.172 | 433.209 | 417.933 | 427.606 | 430.152 |
| 51.5 | 452.499 | 442.664 | 417.335 | 410.361 | 415.573 | 422.634 | 413.179 | 423.373 | 425.996 |
| 52.0 | 449.366 | 439.541 | 413.125 | 400.721 | 402.799 | 412.548 | 408.740 | 419.468 | 421.796 |
| 52.5 | 446.178 | 436.147 | 409.338 | 391.626 | 389.885 | 403.028 | 404.377 | 415.159 | 417.966 |
| 53.0 | 443.262 | 433.165 | 405.585 | 382.497 | 377.362 | 393.388 | 400.199 | 411.275 | 413.864 |
| 53.5 | 440.477 | 430.032 | 401.951 | 373.891 | 364.741 | 384.282 | 395.989 | 407.141 | 410.122 |
| 54.0 | 437.496 | 427.007 | 398.273 | 365.840 | 352.207 | 375.523 | 391.811 | 403.082 | 406.107 |
| 54.5 | 434.819 | 424.385 | 394.966 | 358.627 | 340.479 | 367.592 | 387.959 | 399.525 | 402.266 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 55.0 | 431.903 | 421.567 | 391.539 | 351.685 | 328.348 | 360.269 | 384.021 | 395.412 | 398.643 |
| 55.5 | 429.183 | 418.967 | 388.024 | 345.756 | 316.543 | 353.785 | 379.951 | 391.484 | 394.629 |
| 56.0 | 426.561 | 416.204 | 384.608 | 340.120 | 305.641 | 347.453 | 376.154 | 387.785 | 390.962 |
| 56.5 | 424.135 | 413.658 | 381.398 | 334.973 | 294.500 | 341.991 | 372.292 | 383.901 | 387.176 |
| 57.0 | 421.513 | 411.242 | 378.080 | 330.436 | 284.218 | 336.888 | 368.571 | 380.169 | 383.444 |
| 57.5 | 419.141 | 408.577 | 374.925 | 326.117 | 274.861 | 331.971 | 364.687 | 376.524 | 379.560 |
| 58.0 | 416.617 | 406.553 | 371.683 | 322.189 | 265.940 | 327.412 | 360.933 | 372.945 | 376.133 |
| 58.5 | 414.006 | 404.116 | 368.712 | 318.273 | 257.834 | 323.506 | 357.321 | 369.028 | 372.357 |
| 59.0 | 412.124 | 401.929 | 365.916 | 315.020 | 250.828 | 319.611 | 353.513 | 365.394 | 368.963 |
| 59.5 | 409.665 | 399.775 | 362.750 | 311.690 | 244.289 | 315.955 | 350.020 | 361.847 | 365.318 |
| 60.0 | 407.293 | 397.544 | 359.954 | 308.230 | 238.196 | 312.267 | 346.278 | 358.202 | 361.727 |
| 60.5 | 405.041 | 395.477 | 357.212 | 304.814 | 232.680 | 308.883 | 342.742 | 354.634 | 358.061 |
| 61.0 | 403.104 | 393.453 | 354.318 | 301.387 | 227.512 | 305.456 | 339.206 | 350.989 | 354.372 |
| 61.5 | 400.743 | 391.495 | 351.685 | 297.971 | 222.659 | 302.170 | 335.485 | 347.322 | 350.836 |
| 62.0 | 398.491 | 389.493 | 348.911 | 294.500 | 217.937 | 298.732 | 332.047 | 343.775 | 347.300 |
| 62.5 | 396.445 | 387.524 | 346.376 | 291.084 | 213.389 | 295.446 | 328.391 | 340.316 | 343.830 |
| 63.0 | 394.520 | 385.663 | 343.754 | 287.787 | 208.918 | 292.226 | 324.866 | 336.725 | 340.348 |
| 63.5 | 392.376 | 383.759 | 341.316 | 284.675 | 204.664 | 289.071 | 321.460 | 333.341 | 337.030 |
| 64.0 | 390.472 | 382.084 | 338.977 | 281.411 | 200.323 | 286.100 | 317.772 | 329.762 | 333.244 |
| 64.5 | 388.242 | 380.202 | 336.442 | 278.223 | 196.058 | 282.956 | 314.323 | 326.259 | 329.936 |
| 65.0 | 386.305 | 378.591 | 334.114 | 275.068 | 191.749 | 279.942 | 310.668 | 322.723 | 326.509 |
| 65.5 | 384.499 | 376.861 | 331.949 | 271.684 | 187.310 | 276.874 | 307.099 | 319.361 | 323.071 |
| 66.0 | 382.280 | 374.979 | 329.490 | 268.769 | 183.078 | 273.937 | 303.606 | 315.933 | 319.818 |
| 66.5 | 380.593 | 373.336 | 327.336 | 265.603 | 178.726 | 270.999 | 300.049 | 312.582 | 316.380 |
| 67.0 | 378.515 | 371.770 | 325.127 | 262.752 | 174.526 | 268.148 | 296.567 | 309.057 | 312.778 |
| 67.5 | 376.894 | 369.942 | 322.962 | 259.695 | 170.044 | 265.276 | 292.922 | 305.706 | 309.601 |
| 68.0 | 375.186 | 368.397 | 320.829 | 256.790 | 165.942 | 262.426 | 289.441 | 302.366 | 306.218 |
| 68.5 | 373.228 | 366.928 | 318.871 | 254.081 | 161.829 | 259.368 | 285.774 | 298.972 | 302.790 |
| 69.0 | 371.345 | 365.318 | 316.652 | 251.067 | 157.455 | 256.420 | 282.336 | 295.523 | 299.385 |
| 69.5 | 369.517 | 363.740 | 314.650 | 248.271 | 153.310 | 253.341 | 278.735 | 292.172 | 296.132 |
| 70.0 | 367.831 | 362.326 | 312.680 | 245.442 | 149.056 | 250.425 | 275.405 | 288.897 | 292.672 |
| 70.5 | 366.068 | 360.803 | 310.711 | 242.733 | 145.030 | 247.292 | 271.576 | 285.469 | 289.419 |
| 71.0 | 364.241 | 359.160 | 308.753 | 240.002 | 141.059 | 244.245 | 268.312 | 282.053 | 286.177 |
| 71.5 | 362.358 | 357.832 | 306.860 | 237.336 | 137.164 | 241.079 | 264.743 | 278.713 | 282.652 |
| 72.0 | 360.694 | 356.396 | 305.108 | 234.562 | 133.073 | 238.011 | 261.392 | 275.329 | 279.246 |
| 72.5 | 359.149 | 354.971 | 303.106 | 231.875 | 129.363 | 235.030 | 257.791 | 272.141 | 275.928 |
| 73.0 | 357.277 | 353.600 | 301.343 | 229.209 | 125.381 | 231.766 | 254.189 | 268.888 | 272.707 |
| 73.5 | 355.722 | 352.207 | 299.461 | 226.707 | 121.519 | 228.806 | 250.849 | 265.352 | 269.095 |
| 74.0 | 353.926 | 350.891 | 297.742 | 224.139 | 117.896 | 225.292 | 247.433 | 262.067 | 265.875 |
| 74.5 | 352.621 | 349.389 | 296.023 | 221.724 | 114.022 | 221.974 | 243.886 | 258.563 | 262.393 |
| 75.0 | 350.934 | 348.095 | 294.293 | 219.417 | 110.388 | 218.699 | 240.470 | 255.277 | 259.020 |
| 75.5 | 349.117 | 346.778 | 292.487 | 217.067 | 106.733 | 215.163 | 237.021 | 251.839 | 255.800 |
| 76.0 | 347.442 | 345.560 | 290.855 | 214.826 | 103.240 | 211.583 | 233.539 | 248.586 | 252.329 |
| 76.5 | 345.799 | 344.124 | 289.256 | 212.628 | 99.508 | 208.200 | 230.058 | 245.181 | 248.804 |
| 77.0 | 344.308 | 342.927 | 287.656 | 210.365 | 96.397 | 204.631 | 226.620 | 241.852 | 245.844 |
| 77.5 | 342.459 | 341.578 | 285.981 | 208.308 | 92.850 | 200.986 | 223.312 | 238.555 | 242.385 |
| 78.0 | 340.979 | 340.370 | 284.414 | 206.100 | 89.488 | 197.222 | 219.787 | 235.030 | 238.881 |
| 78.5 | 339.402 | 339.228 | 282.826 | 203.967 | 86.289 | 193.436 | 216.458 | 231.755 | 235.508 |
| 79.0 | 337.683 | 337.900 | 281.183 | 201.933 | 83.025 | 189.932 | 212.889 | 228.349 | 232.070 |
| 79.5 | 336.236 | 336.725 | 279.736 | 200.018 | 79.924 | 185.950 | 209.473 | 225.031 | 228.817 |
| 80.0 | 334.506 | 335.463 | 278.136 | 197.896 | 76.693 | 182.186 | 205.904 | 221.626 | 225.434 |
| 80.5 | 333.178 | 334.234 | 276.548 | 196.036 | 73.668 | 178.486 | 202.531 | 218.133 | 222.017 |
| 81.0 | 331.383 | 333.048 | 275.123 | 193.925 | 70.709 | 174.483 | 198.919 | 214.804 | 218.601 |
| 81.5 | 329.784 | 331.775 | 273.545 | 192.173 | 67.859 | 170.990 | 195.699 | 211.551 | 215.250 |
| 82.0 | 328.315 | 330.458 | 272.272 | 190.291 | 64.736 | 166.943 | 192.130 | 208.047 | 211.812 |
| 82.5 | 326.911 | 329.392 | 270.760 | 188.300 | 61.929 | 163.146 | 188.616 | 204.620 | 208.417 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSN SEED 6 LIGHT.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|---------|---------|---------|---------|--------|---------|---------|---------|---------|
| 83.0 | 325.105 | 327.945 | 269.411 | 186.505 | 59.350 | 159.370 | 185.025 | 201.324 | 205.273 |
| 83.5 | 323.680 | 326.705 | 267.887 | 184.753 | 56.348 | 155.453 | 181.533 | 198.005 | 201.737 |
| 84.0 | 321.983 | 325.475 | 266.451 | 182.980 | 53.617 | 151.722 | 178.073 | 194.665 | 198.408 |
| 84.5 | 320.688 | 324.246 | 265.102 | 181.098 | 51.267 | 147.652 | 174.613 | 191.270 | 195.100 |
| 85.0 | 319.045 | 323.049 | 263.894 | 179.596 | 48.699 | 143.714 | 170.990 | 188.039 | 191.923 |
| 85.5 | 317.413 | 321.809 | 262.611 | 177.964 | 46.131 | 139.949 | 167.650 | 184.666 | 188.572 |
| 86.0 | 316.086 | 320.732 | 261.348 | 176.702 | 43.901 | 136.076 | 164.179 | 181.565 | 185.308 |
| 86.5 | 314.530 | 319.567 | 260.065 | 175.146 | 41.649 | 132.116 | 160.774 | 178.356 | 182.077 |
| 87.0 | 313.028 | 318.566 | 258.857 | 173.656 | 39.299 | 128.036 | 157.401 | 175.320 | 178.911 |
| 87.5 | 311.538 | 317.152 | 257.628 | 172.350 | 37.133 | 124.358 | 154.061 | 172.339 | 176.104 |
| 88.0 | 310.396 | 316.097 | 256.540 | 171.034 | 35.001 | 120.583 | 150.851 | 169.521 | 173.210 |
| 88.5 | 308.709 | 315.128 | 255.441 | 169.924 | 32.814 | 116.949 | 147.729 | 166.823 | 170.250 |
| 89.0 | 307.654 | 314.291 | 254.918 | 169.043 | 31.117 | 113.674 | 144.813 | 164.386 | 167.421 |
| 89.5 | 307.099 | 314.193 | 254.472 | 168.847 | 29.800 | 110.943 | 142.321 | 162.841 | 165.202 |
| 90.0 | 307.153 | 315.270 | 254.744 | 168.792 | 29.496 | 108.680 | 140.341 | 162.003 | 163.341 |
| 90.5 | 307.578 | 317.511 | 255.386 | 169.075 | 29.387 | 106.341 | 138.187 | 161.884 | 161.492 |
| 91.0 | 308.187 | 320.557 | 256.355 | 170.131 | 29.931 | 104.165 | 136.196 | 161.535 | 159.620 |
| 91.5 | 309.144 | 322.646 | 257.410 | 171.556 | 30.018 | 101.869 | 134.194 | 159.185 | 157.945 |
| 92.0 | 310.308 | 323.528 | 258.737 | 173.405 | 30.323 | 99.356 | 132.214 | 155.682 | 156.204 |
| 92.5 | 311.919 | 323.005 | 260.348 | 175.386 | 30.660 | 96.821 | 130.190 | 152.222 | 154.365 |
| 93.0 | 313.192 | 322.831 | 261.892 | 177.170 | 31.139 | 94.243 | 128.253 | 149.426 | 152.374 |
| 93.5 | 314.954 | 323.060 | 263.579 | 178.824 | 31.541 | 91.316 | 126.121 | 147.119 | 150.666 |
| 94.0 | 316.597 | 324.355 | 265.254 | 180.369 | 32.074 | 88.454 | 124.152 | 145.030 | 148.751 |
| 94.5 | 318.033 | 325.497 | 266.854 | 181.914 | 32.640 | 85.778 | 122.161 | 142.844 | 146.836 |
| 95.0 | 319.448 | 326.835 | 268.399 | 183.241 | 33.282 | 83.276 | 120.061 | 140.940 | 145.139 |
| 95.5 | 321.286 | 328.163 | 270.031 | 184.688 | 33.924 | 80.751 | 117.776 | 138.872 | 143.126 |
| 96.0 | 322.472 | 329.501 | 271.587 | 186.276 | 34.925 | 78.162 | 115.665 | 136.925 | 141.103 |
| 96.5 | 324.039 | 330.676 | 272.957 | 188.006 | 35.817 | 75.649 | 113.468 | 134.760 | 139.112 |
| 97.0 | 325.682 | 332.025 | 274.557 | 189.921 | 37.210 | 73.168 | 111.194 | 132.725 | 137.044 |
| 97.5 | 327.238 | 333.004 | 276.091 | 191.629 | 38.439 | 70.611 | 109.061 | 130.593 | 134.868 |
| 98.0 | 328.467 | 334.125 | 277.331 | 193.697 | 39.723 | 68.272 | 106.700 | 128.199 | 133.008 |
| 98.5 | 329.958 | 335.137 | 278.833 | 195.318 | 41.159 | 65.889 | 104.470 | 126.132 | 130.593 |
| 99.0 | 331.100 | 336.159 | 280.269 | 197.276 | 42.541 | 63.539 | 102.228 | 123.760 | 128.634 |
| 99.5 | 332.536 | 337.160 | 281.433 | 199.224 | 43.607 | 61.516 | 100.074 | 121.660 | 126.241 |
| 100.0 | 333.907 | 338.052 | 282.924 | 201.193 | 44.195 | 59.427 | 97.942 | 119.375 | 124.076 |
| 100.5 | 335.039 | 339.173 | 284.577 | 202.977 | 45.032 | 57.294 | 95.679 | 116.993 | 121.660 |
| 101.0 | 336.355 | 340.044 | 286.144 | 204.620 | 45.598 | 55.553 | 93.535 | 114.795 | 119.375 |
| 101.5 | 337.574 | 340.849 | 287.743 | 206.230 | 46.164 | 54.226 | 91.196 | 112.532 | 117.058 |
| 102.0 | 338.945 | 341.828 | 289.452 | 207.982 | 47.056 | 52.942 | 89.009 | 110.182 | 114.795 |
| 102.5 | 340.185 | 342.698 | 290.953 | 209.592 | 48.122 | 51.865 | 86.942 | 107.919 | 112.314 |
| 103.0 | 341.382 | 343.634 | 292.498 | 211.007 | 49.101 | 50.984 | 84.799 | 105.710 | 109.877 |
| 103.5 | 342.524 | 344.406 | 294.097 | 212.269 | 50.342 | 50.244 | 82.786 | 103.567 | 107.614 |
| 104.0 | 343.634 | 345.342 | 295.740 | 213.596 | 51.582 | 50.081 | 80.795 | 101.293 | 105.427 |
| 104.5 | 344.646 | 346.267 | 297.187 | 214.510 | 52.942 | 49.558 | 78.717 | 99.128 | 102.860 |
| 105.0 | 346.017 | 347.094 | 298.525 | 215.413 | 54.215 | 49.330 | 76.715 | 96.897 | 100.618 |
| 105.5 | 347.061 | 347.921 | 300.038 | 215.968 | 55.477 | 49.276 | 74.724 | 94.591 | 98.203 |
| 106.0 | 348.138 | 348.639 | 301.517 | 216.534 | 56.794 | 49.352 | 72.689 | 92.513 | 96.049 |
| 106.5 | 349.161 | 349.542 | 302.714 | 216.947 | 58.175 | 49.765 | 71.057 | 89.956 | 93.786 |
| 107.0 | 350.216 | 350.260 | 304.150 | 217.437 | 59.590 | 50.429 | 69.327 | 87.878 | 91.425 |
| 107.5 | 351.283 | 351.185 | 305.206 | 217.448 | 60.906 | 51.082 | 67.674 | 85.626 | 89.357 |
| 108.0 | 352.164 | 352.044 | 306.457 | 217.513 | 62.353 | 51.919 | 66.107 | 83.363 | 87.007 |
| 108.5 | 353.263 | 352.697 | 307.512 | 217.535 | 63.953 | 52.757 | 64.834 | 81.372 | 84.712 |
| 109.0 | 354.416 | 353.459 | 308.459 | 217.491 | 65.269 | 53.747 | 63.572 | 79.261 | 82.438 |
| 109.5 | 355.330 | 354.296 | 309.373 | 217.317 | 66.673 | 54.857 | 62.136 | 76.987 | 80.196 |
| 110.0 | 356.342 | 354.916 | 310.319 | 217.154 | 68.120 | 55.967 | 60.895 | 74.920 | 78.205 |
| 110.5 | 357.354 | 355.711 | 311.233 | 216.969 | 69.480 | 57.207 | 59.786 | 72.820 | 76.062 |

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 111.0 | 358.594 | 356.200 | 311.984 | 216.806 | 70.861 | 58.426 | 58.524 | 70.829 | 73.723 |
| 111.5 | 359.475 | 356.853 | 312.691 | 216.338 | 72.069 | 59.775 | 57.664 | 69.001 | 71.775 |
| 112.0 | 360.280 | 357.441 | 313.344 | 215.761 | 73.407 | 61.102 | 56.707 | 67.195 | 69.730 |
| 112.5 | 361.238 | 357.908 | 313.736 | 215.163 | 74.648 | 62.647 | 55.923 | 65.552 | 67.347 |
| 113.0 | 362.086 | 358.572 | 314.258 | 214.456 | 76.073 | 64.083 | 55.260 | 64.029 | 65.606 |
| 113.5 | 362.859 | 359.062 | 314.421 | 213.738 | 77.433 | 65.770 | 54.498 | 62.658 | 63.735 |
| 114.0 | 363.425 | 359.366 | 314.758 | 212.824 | 78.771 | 67.206 | 53.965 | 61.352 | 61.766 |
| 114.5 | 364.023 | 359.682 | 314.943 | 211.921 | 80.109 | 68.707 | 53.345 | 60.068 | 60.188 |
| 115.0 | 364.632 | 360.008 | 315.107 | 210.963 | 81.426 | 70.328 | 52.877 | 58.763 | 58.687 |
| 115.5 | 364.991 | 360.248 | 315.030 | 209.962 | 82.808 | 71.906 | 52.583 | 57.871 | 57.468 |
| 116.0 | 365.209 | 360.378 | 314.922 | 209.081 | 84.179 | 73.603 | 52.344 | 56.587 | 56.445 |
| 116.5 | 365.884 | 360.465 | 314.704 | 207.928 | 85.571 | 74.909 | 52.202 | 55.967 | 55.336 |
| 117.0 | 366.036 | 360.628 | 314.552 | 207.025 | 86.909 | 76.519 | 52.333 | 54.998 | 54.378 |
| 117.5 | 366.308 | 360.520 | 314.171 | 206.111 | 88.117 | 78.097 | 52.235 | 54.150 | 53.377 |
| 118.0 | 366.308 | 360.422 | 313.942 | 205.164 | 89.608 | 79.642 | 52.311 | 53.562 | 52.703 |
| 118.5 | 366.645 | 360.324 | 313.322 | 203.978 | 90.902 | 81.339 | 52.561 | 52.822 | 51.843 |
| 119.0 | 366.787 | 360.019 | 312.702 | 202.858 | 92.164 | 82.862 | 52.768 | 52.355 | 51.267 |
| 119.5 | 366.776 | 359.715 | 312.136 | 202.009 | 93.590 | 84.505 | 53.149 | 51.745 | 50.690 |
| 120.0 | 366.841 | 359.258 | 311.527 | 200.790 | 95.037 | 86.126 | 53.377 | 51.354 | 49.907 |
| 120.5 | 367.156 | 358.899 | 310.700 | 199.637 | 96.103 | 87.715 | 53.987 | 51.049 | 49.711 |
| 121.0 | 367.113 | 358.398 | 309.819 | 198.527 | 97.637 | 89.434 | 54.411 | 50.733 | 48.829 |
| 121.5 | 367.222 | 357.832 | 308.948 | 197.222 | 98.888 | 91.164 | 55.194 | 50.483 | 48.666 |
| 122.0 | 367.102 | 356.973 | 307.904 | 196.112 | 100.074 | 92.774 | 55.814 | 50.570 | 48.188 |
| 122.5 | 367.222 | 356.385 | 306.870 | 194.904 | 101.369 | 94.449 | 56.609 | 50.200 | 47.785 |
| 123.0 | 366.895 | 355.602 | 305.684 | 193.686 | 102.685 | 96.103 | 57.316 | 50.200 | 47.187 |
| 123.5 | 366.612 | 354.699 | 304.564 | 192.402 | 103.839 | 97.789 | 58.349 | 49.972 | 47.208 |
| 124.0 | 365.731 | 353.850 | 303.247 | 191.129 | 104.927 | 99.585 | 59.198 | 50.081 | 46.893 |
| 124.5 | 364.839 | 352.773 | 302.094 | 189.932 | 106.145 | 101.380 | 60.166 | 50.070 | 46.675 |
| 125.0 | 364.088 | 351.816 | 300.625 | 188.550 | 107.353 | 103.273 | 61.483 | 50.026 | 46.545 |
| 125.5 | 363.142 | 350.608 | 299.320 | 187.332 | 108.452 | 104.992 | 62.614 | 50.244 | 46.588 |
| 126.0 | 361.978 | 349.553 | 297.579 | 186.026 | 109.660 | 106.842 | 63.855 | 50.527 | 46.501 |
| 126.5 | 360.933 | 348.247 | 296.154 | 184.960 | 110.704 | 108.604 | 65.171 | 50.723 | 46.479 |
| 127.0 | 359.987 | 347.061 | 294.576 | 183.763 | 111.868 | 110.497 | 66.477 | 51.071 | 46.795 |
| 127.5 | 358.844 | 345.571 | 292.694 | 182.371 | 112.717 | 112.260 | 67.848 | 51.517 | 47.078 |
| 128.0 | 357.560 | 344.134 | 291.138 | 181.348 | 113.870 | 114.022 | 69.164 | 52.017 | 47.241 |
| 128.5 | 356.385 | 342.307 | 289.310 | 180.227 | 114.719 | 115.731 | 70.426 | 52.322 | 47.654 |
| 129.0 | 355.134 | 340.696 | 287.504 | 179.041 | 115.611 | 117.352 | 71.841 | 52.953 | 47.654 |
| 129.5 | 353.611 | 338.575 | 285.415 | 178.062 | 116.547 | 119.364 | 73.353 | 53.628 | 48.405 |
| 130.0 | 352.153 | 336.595 | 283.402 | 176.920 | 117.450 | 120.844 | 74.593 | 54.269 | 48.840 |
| 130.5 | 350.760 | 334.527 | 281.183 | 175.745 | 118.222 | 122.639 | 76.029 | 54.922 | 49.460 |
| 131.0 | 349.107 | 332.417 | 279.159 | 174.733 | 118.820 | 124.348 | 77.226 | 55.891 | 49.972 |
| 131.5 | 347.398 | 330.164 | 277.016 | 173.656 | 119.734 | 126.001 | 78.652 | 56.576 | 50.603 |
| 132.0 | 345.745 | 327.999 | 274.840 | 172.481 | 120.409 | 127.971 | 80.109 | 57.599 | 51.386 |
| 132.5 | 343.656 | 325.682 | 272.446 | 171.491 | 121.171 | 129.755 | 81.448 | 58.600 | 52.202 |
| 133.0 | 341.708 | 323.441 | 270.161 | 170.065 | 121.671 | 131.430 | 82.862 | 59.677 | 53.051 |
| 133.5 | 339.902 | 321.265 | 267.833 | 169.064 | 122.248 | 133.041 | 84.309 | 60.765 | 53.889 |
| 134.0 | 337.541 | 318.806 | 265.298 | 167.955 | 122.585 | 134.792 | 85.843 | 61.929 | 54.846 |
| 134.5 | 335.474 | 316.390 | 262.687 | 166.790 | 123.064 | 136.131 | 87.127 | 63.039 | 55.923 |
| 135.0 | 333.102 | 313.725 | 260.076 | 165.768 | 123.608 | 137.654 | 88.726 | 64.453 | 56.968 |
| 135.5 | 330.991 | 311.201 | 257.475 | 164.669 | 123.999 | 138.742 | 90.065 | 65.715 | 58.132 |
| 136.0 | 328.413 | 308.513 | 254.777 | 163.570 | 124.315 | 139.862 | 91.523 | 67.086 | 59.481 |
| 136.5 | 325.997 | 305.826 | 251.948 | 162.384 | 124.576 | 140.776 | 92.904 | 68.555 | 60.776 |
| 137.0 | 323.299 | 302.997 | 249.304 | 161.252 | 124.630 | 141.527 | 94.449 | 70.002 | 62.125 |
| 137.5 | 320.525 | 300.136 | 246.432 | 160.197 | 124.717 | 142.191 | 95.918 | 71.242 | 63.681 |
| 138.0 | 317.718 | 297.361 | 243.723 | 159.098 | 124.946 | 142.517 | 97.528 | 72.483 | 65.128 |
| 138.5 | 314.726 | 294.445 | 240.938 | 158.086 | 125.011 | 142.778 | 98.986 | 74.028 | 66.803 |

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 139.0 | 311.625 | 291.453 | 238.250 | 157.031 | 125.164 | 143.061 | 100.357 | 75.464 | 68.250 |
| 139.5 | 308.579 | 288.494 | 235.269 | 155.987 | 125.153 | 143.333 | 101.891 | 76.617 | 69.588 |
| 140.0 | 305.717 | 285.426 | 232.625 | 155.084 | 125.283 | 143.453 | 103.491 | 78.162 | 71.297 |
| 140.5 | 302.246 | 282.238 | 229.612 | 154.083 | 125.631 | 143.105 | 105.036 | 79.446 | 72.852 |
| 141.0 | 299.015 | 279.105 | 226.804 | 152.918 | 125.468 | 142.898 | 106.537 | 80.893 | 74.049 |
| 141.5 | 295.708 | 275.971 | 223.910 | 152.070 | 125.283 | 141.984 | 108.147 | 82.133 | 75.736 |
| 142.0 | 292.411 | 272.718 | 221.038 | 151.101 | 125.316 | 140.961 | 109.714 | 83.395 | 77.476 |
| 142.5 | 288.875 | 269.661 | 218.188 | 150.220 | 125.174 | 139.808 | 111.215 | 84.897 | 78.826 |
| 143.0 | 285.633 | 266.266 | 215.196 | 149.317 | 124.794 | 138.372 | 112.858 | 86.300 | 80.643 |
| 143.5 | 282.140 | 262.872 | 212.367 | 148.403 | 124.445 | 137.099 | 114.316 | 87.660 | 81.916 |
| 144.0 | 278.408 | 259.336 | 209.484 | 147.511 | 124.282 | 135.489 | 115.785 | 89.162 | 83.526 |
| 144.5 | 274.959 | 256.017 | 206.579 | 146.782 | 123.825 | 134.052 | 117.526 | 90.206 | 85.212 |
| 145.0 | 271.304 | 252.732 | 203.750 | 145.912 | 123.423 | 132.236 | 119.016 | 91.838 | 86.485 |
| 145.5 | 267.637 | 249.098 | 200.834 | 145.020 | 122.476 | 130.332 | 120.757 | 93.263 | 88.150 |
| 146.0 | 264.058 | 245.681 | 197.951 | 144.106 | 121.628 | 128.297 | 122.204 | 94.754 | 89.945 |
| 146.5 | 260.315 | 242.287 | 195.187 | 143.279 | 120.572 | 126.121 | 123.684 | 96.070 | 91.457 |
| 147.0 | 256.507 | 238.555 | 192.369 | 142.278 | 119.343 | 123.814 | 125.011 | 97.528 | 92.828 |
| 147.5 | 252.710 | 235.062 | 189.595 | 141.484 | 118.200 | 121.497 | 126.567 | 99.030 | 94.874 |
| 148.0 | 248.793 | 231.592 | 186.886 | 140.580 | 116.753 | 118.995 | 127.742 | 100.553 | 96.201 |
| 148.5 | 244.963 | 228.099 | 184.253 | 139.808 | 115.132 | 116.634 | 128.852 | 102.098 | 97.887 |
| 149.0 | 241.286 | 224.433 | 181.533 | 138.851 | 113.718 | 114.534 | 130.092 | 103.491 | 99.552 |
| 149.5 | 237.467 | 220.842 | 178.954 | 138.024 | 112.086 | 112.488 | 130.941 | 105.090 | 101.151 |
| 150.0 | 233.583 | 217.295 | 176.419 | 136.838 | 110.671 | 110.682 | 131.779 | 106.559 | 102.881 |
| 150.5 | 229.709 | 213.759 | 173.884 | 135.663 | 109.485 | 108.931 | 132.497 | 108.267 | 105.003 |
| 151.0 | 225.608 | 210.147 | 171.371 | 134.640 | 108.115 | 106.831 | 132.964 | 110.019 | 106.450 |
| 151.5 | 221.734 | 206.492 | 169.010 | 133.389 | 106.820 | 105.220 | 133.117 | 111.346 | 108.223 |
| 152.0 | 217.883 | 202.988 | 166.638 | 132.061 | 105.351 | 103.665 | 133.041 | 113.032 | 110.367 |
| 152.5 | 213.879 | 199.354 | 164.375 | 130.876 | 104.470 | 102.413 | 132.497 | 114.719 | 112.445 |
| 153.0 | 209.886 | 195.829 | 162.156 | 129.592 | 103.393 | 101.151 | 132.355 | 116.100 | 113.892 |
| 153.5 | 206.111 | 192.435 | 160.023 | 128.362 | 102.435 | 100.042 | 131.692 | 117.656 | 116.166 |
| 154.0 | 202.172 | 188.996 | 157.847 | 127.176 | 101.304 | 98.464 | 130.919 | 118.973 | 117.896 |
| 154.5 | 198.277 | 185.613 | 155.736 | 125.523 | 99.878 | 97.050 | 130.168 | 120.257 | 119.484 |
| 155.0 | 194.556 | 182.142 | 153.800 | 123.847 | 98.682 | 95.592 | 129.200 | 121.497 | 121.628 |
| 155.5 | 190.650 | 178.715 | 151.591 | 122.172 | 97.692 | 93.535 | 128.047 | 122.465 | 123.270 |
| 156.0 | 186.875 | 175.647 | 149.905 | 120.311 | 96.593 | 91.947 | 126.262 | 123.640 | 124.848 |
| 156.5 | 183.187 | 172.187 | 147.990 | 118.548 | 95.733 | 90.326 | 124.141 | 124.489 | 126.578 |
| 157.0 | 179.422 | 169.075 | 146.205 | 116.688 | 95.069 | 88.955 | 121.769 | 124.989 | 127.796 |
| 157.5 | 176.060 | 165.909 | 144.258 | 114.795 | 94.351 | 87.682 | 118.810 | 125.588 | 128.993 |
| 158.0 | 172.807 | 163.135 | 142.582 | 113.196 | 93.916 | 86.833 | 116.231 | 126.045 | 130.136 |
| 158.5 | 169.717 | 160.262 | 140.907 | 111.629 | 93.949 | 86.137 | 113.750 | 126.371 | 131.137 |
| 159.0 | 166.301 | 157.521 | 139.220 | 110.084 | 93.884 | 85.843 | 111.455 | 126.284 | 131.779 |
| 159.5 | 163.374 | 154.779 | 137.523 | 108.517 | 93.405 | 85.832 | 108.844 | 125.925 | 132.671 |
| 160.0 | 160.252 | 152.211 | 136.120 | 107.244 | 92.534 | 85.636 | 106.254 | 125.425 | 133.160 |
| 160.5 | 157.303 | 149.600 | 134.433 | 105.764 | 91.664 | 85.114 | 103.371 | 125.087 | 133.465 |
| 161.0 | 154.431 | 147.239 | 132.682 | 104.404 | 90.337 | 84.451 | 100.379 | 124.380 | 133.650 |
| 161.5 | 151.613 | 144.726 | 131.180 | 103.229 | 89.270 | 83.493 | 97.104 | 123.706 | 133.508 |
| 162.0 | 149.165 | 142.637 | 129.581 | 101.793 | 88.803 | 82.808 | 93.731 | 122.759 | 132.605 |
| 162.5 | 146.554 | 140.439 | 128.112 | 100.607 | 88.705 | 82.198 | 90.587 | 121.834 | 131.300 |
| 163.0 | 144.149 | 138.176 | 126.632 | 99.280 | 88.955 | 81.752 | 87.638 | 120.648 | 129.722 |
| 163.5 | 141.788 | 136.218 | 125.044 | 97.964 | 88.944 | 81.905 | 85.114 | 119.245 | 128.025 |
| 164.0 | 139.667 | 134.085 | 123.172 | 96.560 | 88.759 | 82.198 | 83.210 | 117.482 | 125.969 |
| 164.5 | 137.295 | 132.007 | 121.453 | 94.993 | 87.976 | 82.481 | 81.110 | 115.197 | 123.695 |
| 165.0 | 134.879 | 130.266 | 119.484 | 93.383 | 87.029 | 82.416 | 79.163 | 112.749 | 121.236 |
| 165.5 | 132.616 | 128.286 | 117.504 | 91.718 | 86.180 | 81.491 | 77.694 | 109.834 | 118.581 |
| 166.0 | 130.103 | 125.664 | 115.611 | 90.152 | 85.354 | 80.077 | 76.062 | 106.896 | 116.013 |
| 166.5 | 128.036 | 122.650 | 113.446 | 88.596 | 84.407 | 79.119 | 74.724 | 103.817 | 113.032 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSN SEED 6 LIGHT.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|--------------|---------|---------|---------|--------|--------|--------|--------|---------|---------|
| 167.0 | 125.805 | 120.442 | 111.574 | 87.192 | 84.026 | 78.412 | 73.516 | 100.662 | 110.410 |
| 167.5 | 123.804 | 118.026 | 109.485 | 85.669 | 83.460 | 77.846 | 72.428 | 97.311 | 106.918 |
| 168.0 | 121.628 | 115.894 | 107.440 | 84.429 | 83.406 | 77.150 | 71.569 | 93.731 | 103.262 |
| 168.5 | 119.517 | 113.837 | 105.220 | 83.439 | 83.036 | 77.020 | 70.916 | 90.348 | 100.118 |
| 169.0 | 117.417 | 111.596 | 103.153 | 82.177 | 82.906 | 76.889 | 70.132 | 86.855 | 96.886 |
| 169.5 | 115.633 | 109.366 | 100.390 | 80.991 | 82.547 | 76.486 | 69.393 | 83.265 | 93.503 |
| 170.0 | 113.522 | 107.288 | 97.648 | 79.489 | 81.970 | 76.519 | 69.034 | 79.620 | 89.858 |
| 170.5 | 111.281 | 105.351 | 94.776 | 78.434 | 81.002 | 76.900 | 68.239 | 75.801 | 86.670 |
| 171.0 | 109.181 | 103.349 | 91.871 | 77.270 | 79.696 | 77.411 | 67.206 | 72.461 | 83.428 |
| 171.5 | 106.907 | 101.750 | 89.412 | 76.443 | 78.358 | 77.923 | 66.531 | 69.360 | 80.577 |
| 172.0 | 105.014 | 99.770 | 87.279 | 75.464 | 77.194 | 78.053 | 65.596 | 66.390 | 77.672 |
| 172.5 | 103.110 | 97.942 | 85.092 | 74.495 | 76.204 | 77.705 | 64.932 | 64.203 | 74.724 |
| 173.0 | 101.097 | 96.103 | 82.666 | 73.712 | 75.616 | 76.943 | 64.431 | 62.375 | 72.145 |
| 173.5 | 99.019 | 93.971 | 80.534 | 72.842 | 75.105 | 76.291 | 63.953 | 60.623 | 69.251 |
| 174.0 | 97.213 | 91.990 | 78.282 | 72.211 | 75.061 | 76.019 | 63.561 | 59.285 | 66.771 |
| 174.5 | 95.265 | 90.010 | 75.866 | 71.416 | 75.290 | 75.899 | 63.648 | 58.045 | 64.007 |
| 175.0 | 93.242 | 88.139 | 73.266 | 70.829 | 75.366 | 75.801 | 64.040 | 56.979 | 61.320 |
| 175.5 | 91.664 | 86.365 | 70.676 | 70.089 | 75.300 | 75.551 | 64.540 | 55.760 | 58.513 |
| 176.0 | 89.912 | 84.668 | 68.381 | 69.665 | 75.213 | 75.311 | 65.149 | 54.498 | 55.945 |
| 176.5 | 88.324 | 83.091 | 66.499 | 69.447 | 74.952 | 75.257 | 66.183 | 53.181 | 53.976 |
| 177.0 | 86.235 | 81.687 | 65.084 | 69.306 | 74.746 | 75.333 | 67.271 | 51.691 | 52.420 |
| 177.5 | 83.852 | 80.284 | 63.681 | 69.316 | 74.604 | 75.507 | 67.967 | 50.853 | 50.886 |
| 178.0 | 81.785 | 78.858 | 62.527 | 69.186 | 74.800 | 75.583 | 68.446 | 49.635 | 49.482 |
| 178.5 | 79.598 | 77.259 | 61.548 | 68.783 | 75.050 | 75.692 | 68.511 | 48.993 | 48.351 |
| 179.0 | 77.748 | 75.986 | 60.253 | 68.490 | 75.235 | 75.997 | 68.685 | 48.612 | 47.306 |
| 179.5 | 75.997 | 74.452 | 59.100 | 67.826 | 75.181 | 76.029 | 68.609 | 48.547 | 46.577 |
| 180.0 | 65.650 | 65.650 | 65.650 | 65.650 | 65.650 | 65.650 | 65.650 | 65.650 | 65.650 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSN SEED 6 LIGHT.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 271.25 | N.A. | 7.50 |
| 0-30 | 623.37 | N.A. | 17.30 |
| 0-40 | 1047.77 | N.A. | 29.20 |
| 0-60 | 1792.07 | N.A. | 49.90 |
| 0-80 | 2359.3 | N.A. | 65.60 |
| 0-90 | 2574.57 | N.A. | 71.60 |
| 10-90 | 2512.99 | N.A. | 69.90 |
| 20-40 | 776.52 | N.A. | 21.60 |
| 20-50 | 1176.91 | N.A. | 32.70 |
| 40-70 | 1048.19 | N.A. | 29.20 |
| 60-80 | 567.23 | N.A. | 15.80 |
| 70-80 | 263.34 | N.A. | 7.30 |
| 80-90 | 215.27 | N.A. | 6.00 |
| 90-110 | 369.92 | N.A. | 10.30 |
| 90-120 | 538.89 | N.A. | 15.00 |
| 90-130 | 692.27 | N.A. | 19.30 |
| 90-150 | 920.41 | N.A. | 25.60 |
| 90-180 | 1019.23 | N.A. | 28.40 |
| 110-180 | 649.31 | N.A. | 18.10 |
| 0-180 | 3593.79 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 61.58 |
| 10-20 | 209.67 |
| 20-30 | 352.12 |
| 30-40 | 424.40 |
| 40-50 | 400.39 |
| 50-60 | 343.91 |
| 60-70 | 303.89 |
| 70-80 | 263.34 |
| 80-90 | 215.27 |
| 90-100 | 189.73 |
| 100-110 | 180.18 |
| 110-120 | 168.97 |
| 120-130 | 153.38 |
| 130-140 | 130.27 |
| 140-150 | 97.86 |
| 150-160 | 61.64 |
| 160-170 | 29.80 |
| 170-180 | 7.38 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSN SEED 6 LIGHT.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 | 112 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 76 | 76 | 76 | 72 |
| 1 | 100 | 95 | 90 | 85 | 85 | 95 | 90 | 85 | 81 | 80 | 77 | 74 | 72 | 69 | 66 | 64 | 61 | 60 | 56 |
| 2 | 91 | 82 | 75 | 68 | 68 | 85 | 78 | 71 | 65 | 69 | 64 | 60 | 62 | 58 | 54 | 55 | 52 | 49 | 45 |
| 3 | 82 | 72 | 63 | 56 | 56 | 77 | 68 | 60 | 54 | 61 | 55 | 50 | 54 | 49 | 45 | 48 | 44 | 41 | 38 |
| 4 | 75 | 63 | 54 | 47 | 47 | 71 | 60 | 52 | 46 | 54 | 47 | 42 | 48 | 43 | 38 | 43 | 39 | 35 | 32 |
| 5 | 69 | 56 | 47 | 41 | 41 | 65 | 53 | 45 | 39 | 48 | 41 | 36 | 43 | 38 | 33 | 39 | 34 | 30 | 27 |
| 6 | 64 | 50 | 42 | 35 | 35 | 60 | 48 | 40 | 34 | 43 | 37 | 31 | 39 | 33 | 29 | 35 | 30 | 27 | 24 |
| 7 | 59 | 46 | 37 | 31 | 31 | 55 | 43 | 35 | 30 | 39 | 33 | 28 | 35 | 30 | 26 | 32 | 27 | 24 | 21 |
| 8 | 55 | 41 | 33 | 27 | 27 | 52 | 40 | 32 | 26 | 36 | 29 | 25 | 32 | 27 | 23 | 29 | 25 | 21 | 19 |
| 9 | 51 | 38 | 30 | 24 | 24 | 48 | 36 | 29 | 24 | 33 | 27 | 22 | 30 | 24 | 20 | 27 | 22 | 19 | 17 |
| 10 | 48 | 35 | 27 | 22 | 22 | 45 | 33 | 26 | 21 | 30 | 24 | 20 | 28 | 22 | 18 | 25 | 20 | 17 | 15 |

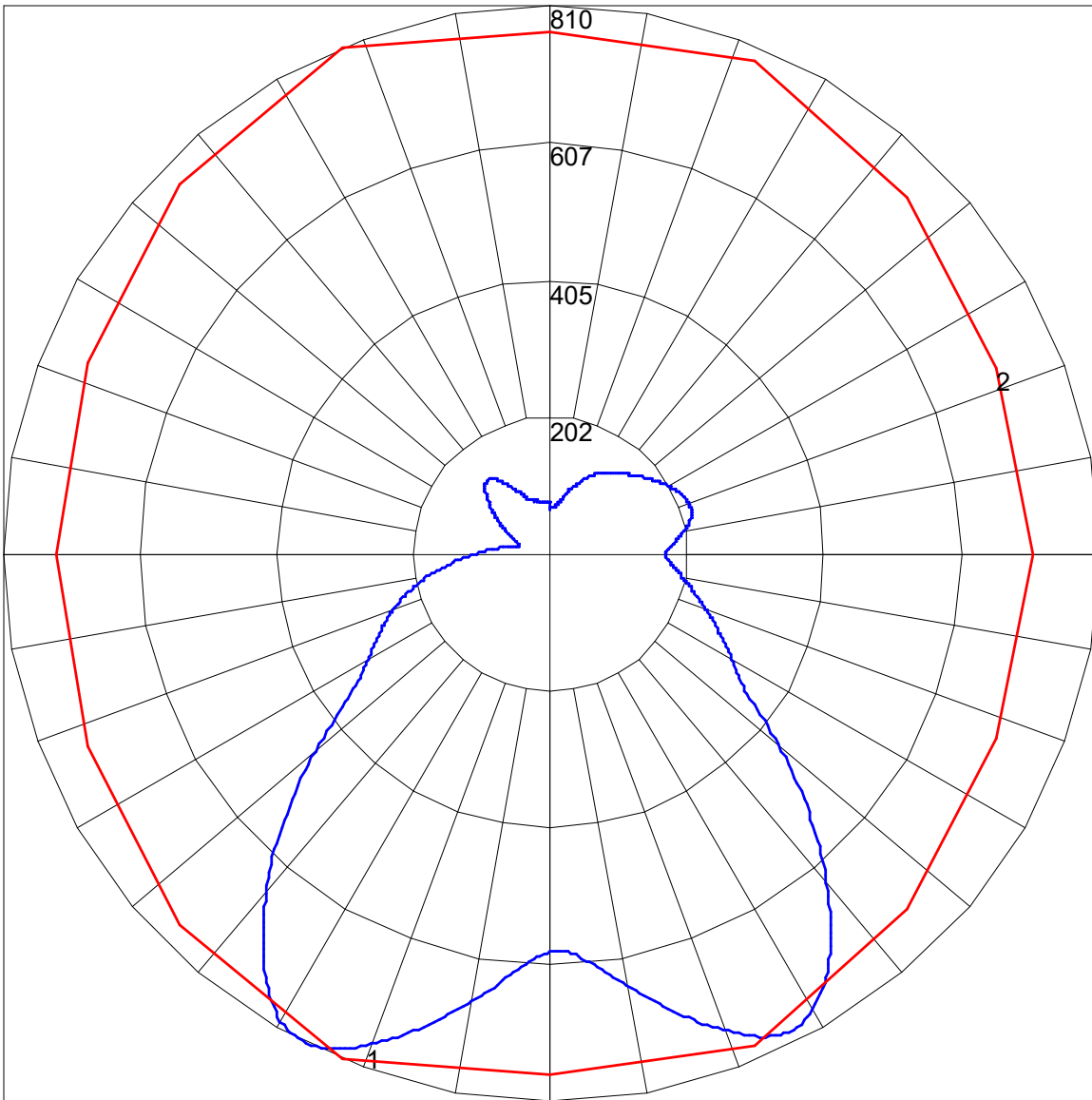
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSN SEED 6 LIGHT.IES

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 | 13.3 | 14.4 | 14.0 | 15.2 | 16.1 | 11.5 | 12.7 | 12.2 | 13.4 | 14.3 |
| | 3H | 15.6 | 16.7 | 16.4 | 17.5 | 18.4 | 12.9 | 14.0 | 13.6 | 14.7 | 15.7 |
| | 4H | 16.7 | 17.8 | 17.5 | 18.5 | 19.5 | 13.4 | 14.4 | 14.1 | 15.2 | 16.1 |
| | 6H | 17.9 | 18.8 | 18.6 | 19.6 | 20.5 | 13.7 | 14.6 | 14.5 | 15.4 | 16.4 |
| | 8H | 18.4 | 19.3 | 19.2 | 20.1 | 21.0 | 13.8 | 14.7 | 14.6 | 15.5 | 16.5 |
| | 12H | 18.9 | 19.7 | 19.7 | 20.5 | 21.5 | 13.8 | 14.7 | 14.6 | 15.5 | 16.5 |
| 4H | 2H | 13.9 | 14.9 | 14.7 | 15.7 | 16.7 | 12.6 | 13.6 | 13.3 | 14.4 | 15.3 |
| | 3H | 16.6 | 17.4 | 17.3 | 18.2 | 19.2 | 14.3 | 15.2 | 15.1 | 16.0 | 17.0 |
| | 4H | 17.9 | 18.7 | 18.7 | 19.5 | 20.5 | 15.1 | 15.9 | 15.9 | 16.7 | 17.7 |
| | 6H | 19.2 | 19.9 | 20.0 | 20.7 | 21.7 | 15.6 | 16.3 | 16.4 | 17.1 | 18.1 |
| | 8H | 19.8 | 20.5 | 20.6 | 21.3 | 22.3 | 15.8 | 16.4 | 16.6 | 17.3 | 18.3 |
| | 12H | 20.4 | 21.0 | 21.2 | 21.9 | 22.9 | 15.9 | 16.5 | 16.7 | 17.3 | 18.4 |
| 8H | 4H | 18.3 | 19.0 | 19.1 | 19.8 | 20.8 | 16.0 | 16.6 | 16.8 | 17.5 | 18.5 |
| | 6H | 19.9 | 20.4 | 20.7 | 21.3 | 22.3 | 16.8 | 17.4 | 17.6 | 18.2 | 19.3 |
| | 8H | 20.7 | 21.2 | 21.5 | 22.0 | 23.1 | 17.1 | 17.6 | 18.0 | 18.5 | 19.5 |
| | 12H | 21.4 | 21.9 | 22.3 | 22.8 | 23.9 | 17.4 | 17.8 | 18.2 | 18.7 | 19.8 |
| 12H | 4H | 18.4 | 19.0 | 19.2 | 19.8 | 20.9 | 16.2 | 16.8 | 17.1 | 17.7 | 18.7 |
| | 6H | 20.0 | 20.5 | 20.9 | 21.4 | 22.4 | 17.2 | 17.7 | 18.0 | 18.6 | 19.6 |
| | 8H | 20.9 | 21.3 | 21.7 | 22.2 | 23.3 | 17.6 | 18.1 | 18.5 | 19.0 | 20.0 |

Maximum UGR = 23.9

POLAR GRAPH



Maximum Candela = 809.592 Located At Horizontal Angle = 112.5, Vertical Angle = 27
1 - Vertical Plane Through Horizontal Angles (112.5 - 292.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27) (Through Max. Cd.)