

IES INDOOR REPORT

PHOTOMETRIC FILENAME : CLD 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] Clouds Resin (CLD) 6-Light Bath Bar

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

[MORE] Steel formed housing and six frosted resin 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 | 3092 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 69 |
| 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 | 2748 | 3210 | 7392 |
| 55 | 2309 | 2508 | 4980 |
| 65 | 2070 | 2191 | 3641 |
| 75 | 1943 | 2041 | 2920 |
| 85 | 1887 | 2007 | 2234 |

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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 | 506.310 | 506.310 | 506.310 | 506.310 | 506.310 | 506.310 | 506.310 | 506.310 | 506.310 |
| 0.5 | 506.573 | 501.864 | 502.688 | 506.002 | 506.778 | 507.714 | 510.878 | 510.195 | 510.101 |
| 1.0 | 505.758 | 501.191 | 501.996 | 505.693 | 507.312 | 509.455 | 514.042 | 514.388 | 514.472 |
| 1.5 | 506.479 | 501.593 | 502.173 | 506.011 | 508.164 | 511.664 | 517.833 | 519.246 | 519.723 |
| 2.0 | 508.463 | 503.437 | 503.212 | 506.610 | 509.371 | 514.154 | 522.045 | 524.656 | 525.489 |
| 2.5 | 511.692 | 506.030 | 505.000 | 507.874 | 510.925 | 517.327 | 526.725 | 530.469 | 531.676 |
| 3.0 | 515.642 | 509.596 | 507.677 | 509.259 | 512.647 | 520.379 | 531.732 | 536.478 | 538.228 |
| 3.5 | 520.332 | 513.883 | 511.009 | 511.468 | 514.603 | 523.954 | 536.862 | 542.740 | 544.920 |
| 4.0 | 525.583 | 518.797 | 514.613 | 513.883 | 516.812 | 527.558 | 542.131 | 549.151 | 551.632 |
| 4.5 | 531.358 | 523.823 | 518.741 | 516.794 | 519.283 | 531.348 | 547.532 | 555.619 | 558.343 |
| 5.0 | 537.236 | 529.430 | 523.233 | 519.733 | 521.904 | 535.411 | 552.970 | 561.825 | 565.241 |
| 5.5 | 543.535 | 535.458 | 527.988 | 523.102 | 524.600 | 539.492 | 558.577 | 568.536 | 571.943 |
| 6.0 | 549.900 | 541.251 | 532.986 | 526.612 | 527.492 | 543.619 | 564.427 | 575.181 | 578.907 |
| 6.5 | 556.274 | 547.232 | 538.181 | 530.300 | 530.534 | 547.860 | 570.015 | 581.921 | 585.899 |
| 7.0 | 562.976 | 553.504 | 543.376 | 534.288 | 533.660 | 552.315 | 575.911 | 588.510 | 592.816 |
| 7.5 | 569.528 | 559.756 | 548.683 | 538.106 | 536.890 | 556.592 | 581.696 | 595.165 | 599.667 |
| 8.0 | 575.799 | 565.952 | 554.224 | 542.244 | 540.119 | 561.263 | 587.621 | 601.876 | 606.462 |
| 8.5 | 582.632 | 572.055 | 559.634 | 546.278 | 543.376 | 565.681 | 593.433 | 608.241 | 613.230 |
| 9.0 | 589.044 | 578.457 | 565.147 | 550.546 | 546.680 | 570.033 | 599.246 | 614.755 | 620.137 |
| 9.5 | 595.596 | 584.504 | 570.520 | 554.683 | 549.966 | 574.526 | 604.890 | 621.092 | 626.530 |
| 10.0 | 602.325 | 591.000 | 576.183 | 558.989 | 553.354 | 579.159 | 610.740 | 627.532 | 633.007 |
| 10.5 | 608.793 | 597.196 | 581.584 | 563.463 | 556.733 | 583.577 | 616.262 | 633.869 | 639.578 |
| 11.0 | 615.514 | 603.533 | 587.031 | 567.684 | 560.280 | 588.070 | 621.897 | 639.999 | 645.466 |
| 11.5 | 622.019 | 609.823 | 592.703 | 572.149 | 563.584 | 592.750 | 627.513 | 645.859 | 651.503 |
| 12.0 | 627.831 | 615.944 | 598.254 | 576.539 | 566.982 | 597.299 | 633.045 | 651.484 | 657.109 |
| 12.5 | 633.316 | 621.897 | 603.842 | 580.947 | 570.455 | 601.811 | 638.614 | 657.109 | 662.407 |
| 13.0 | 637.641 | 627.345 | 609.242 | 585.393 | 573.955 | 606.088 | 644.193 | 662.276 | 667.639 |
| 13.5 | 641.544 | 632.240 | 614.840 | 589.942 | 577.297 | 610.646 | 649.444 | 667.349 | 672.226 |
| 14.0 | 644.595 | 636.171 | 620.100 | 594.098 | 580.582 | 615.046 | 654.461 | 672.114 | 675.839 |
| 14.5 | 647.141 | 639.812 | 625.613 | 598.572 | 584.130 | 619.342 | 659.468 | 676.194 | 678.722 |
| 15.0 | 649.696 | 642.686 | 630.864 | 603.074 | 587.574 | 623.778 | 664.392 | 679.658 | 680.406 |
| 15.5 | 651.503 | 645.101 | 635.928 | 607.221 | 590.916 | 627.944 | 668.959 | 682.204 | 681.034 |
| 16.0 | 652.645 | 647.038 | 640.664 | 611.601 | 594.472 | 632.231 | 673.518 | 683.664 | 680.987 |
| 16.5 | 653.365 | 648.798 | 644.941 | 615.851 | 597.767 | 636.377 | 677.879 | 684.253 | 680.378 |
| 17.0 | 653.927 | 649.865 | 648.695 | 620.259 | 601.314 | 640.608 | 681.764 | 684.431 | 679.414 |
| 17.5 | 654.245 | 650.632 | 651.727 | 624.396 | 604.637 | 644.689 | 685.358 | 683.767 | 678.179 |
| 18.0 | 654.245 | 651.082 | 654.414 | 628.758 | 608.175 | 648.648 | 688.503 | 682.980 | 676.747 |
| 18.5 | 653.927 | 651.194 | 656.510 | 632.661 | 611.517 | 652.532 | 691.105 | 681.726 | 675.268 |
| 19.0 | 653.394 | 651.100 | 658.279 | 636.920 | 614.952 | 656.623 | 693.192 | 680.322 | 673.480 |
| 19.5 | 652.598 | 650.642 | 659.599 | 640.935 | 618.265 | 660.264 | 694.475 | 678.675 | 671.814 |
| 20.0 | 651.390 | 650.071 | 660.526 | 644.773 | 621.588 | 664.045 | 695.298 | 676.934 | 670.017 |
| 20.5 | 649.977 | 649.013 | 661.415 | 648.835 | 625.145 | 667.986 | 695.167 | 674.996 | 667.892 |
| 21.0 | 648.414 | 647.824 | 661.481 | 652.710 | 628.159 | 671.580 | 694.924 | 672.900 | 665.917 |
| 21.5 | 646.561 | 646.364 | 661.387 | 656.492 | 631.566 | 675.081 | 694.110 | 670.859 | 663.624 |
| 22.0 | 644.567 | 644.661 | 660.825 | 660.339 | 634.655 | 678.497 | 692.799 | 668.547 | 661.237 |
| 22.5 | 642.480 | 642.573 | 660.030 | 663.802 | 637.940 | 681.576 | 691.133 | 666.048 | 659.028 |
| 23.0 | 639.934 | 640.364 | 659.187 | 667.237 | 640.963 | 684.375 | 689.486 | 663.718 | 656.623 |
| 23.5 | 637.407 | 637.968 | 657.858 | 670.457 | 644.062 | 687.164 | 687.249 | 660.872 | 653.777 |
| 24.0 | 634.861 | 635.301 | 656.127 | 673.237 | 646.982 | 689.514 | 684.955 | 657.877 | 650.801 |
| 24.5 | 631.613 | 632.268 | 654.498 | 675.371 | 649.799 | 691.526 | 682.391 | 655.022 | 648.021 |
| 25.0 | 628.552 | 629.160 | 652.111 | 677.421 | 652.682 | 693.314 | 679.517 | 651.671 | 644.876 |
| 25.5 | 625.379 | 625.782 | 649.762 | 678.516 | 655.415 | 694.446 | 676.503 | 648.582 | 641.694 |
| 26.0 | 621.925 | 622.281 | 647.010 | 679.330 | 658.251 | 695.504 | 673.321 | 644.904 | 638.052 |
| 26.5 | 618.434 | 618.509 | 643.987 | 679.536 | 660.769 | 696.253 | 669.933 | 641.197 | 634.374 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 27.0 | 614.830 | 614.652 | 640.664 | 679.545 | 663.324 | 696.487 | 666.273 | 637.248 | 630.405 |
| 27.5 | 611.124 | 610.983 | 637.304 | 678.965 | 665.730 | 696.440 | 662.622 | 633.541 | 626.437 |
| 28.0 | 607.090 | 606.987 | 633.550 | 677.898 | 668.267 | 695.776 | 658.392 | 629.189 | 622.000 |
| 28.5 | 602.887 | 602.765 | 629.432 | 676.419 | 670.522 | 694.680 | 654.245 | 624.780 | 617.226 |
| 29.0 | 598.797 | 598.506 | 625.220 | 674.613 | 672.825 | 692.968 | 649.884 | 620.250 | 612.472 |
| 29.5 | 594.173 | 594.145 | 620.708 | 672.132 | 675.090 | 690.684 | 645.363 | 615.420 | 607.464 |
| 30.0 | 589.549 | 589.661 | 616.103 | 669.221 | 676.999 | 687.810 | 640.617 | 610.459 | 602.297 |
| 30.5 | 584.850 | 585.009 | 611.161 | 665.777 | 678.843 | 684.291 | 635.638 | 605.358 | 596.887 |
| 31.0 | 579.927 | 580.301 | 606.154 | 662.173 | 680.285 | 680.285 | 630.714 | 599.920 | 591.365 |
| 31.5 | 574.891 | 575.369 | 600.903 | 657.961 | 681.127 | 675.783 | 625.257 | 594.416 | 585.618 |
| 32.0 | 569.762 | 570.511 | 595.530 | 653.581 | 681.455 | 671.318 | 620.006 | 588.866 | 579.730 |
| 32.5 | 564.108 | 565.307 | 590.195 | 648.714 | 681.380 | 666.114 | 614.400 | 582.866 | 573.366 |
| 33.0 | 558.474 | 559.962 | 584.541 | 643.463 | 680.519 | 660.648 | 608.625 | 576.782 | 567.207 |
| 33.5 | 553.036 | 554.514 | 579.010 | 638.052 | 679.059 | 654.798 | 602.840 | 570.829 | 560.804 |
| 34.0 | 547.092 | 548.983 | 573.253 | 632.174 | 677.009 | 648.901 | 596.812 | 564.277 | 554.280 |
| 34.5 | 541.223 | 543.348 | 567.431 | 626.175 | 674.229 | 642.545 | 590.616 | 557.856 | 547.803 |
| 35.0 | 535.167 | 537.358 | 561.506 | 619.782 | 670.326 | 635.937 | 584.158 | 551.323 | 541.130 |
| 35.5 | 529.083 | 531.508 | 555.544 | 613.333 | 665.168 | 629.526 | 577.886 | 544.640 | 534.362 |
| 36.0 | 522.896 | 525.358 | 549.385 | 606.313 | 658.832 | 622.562 | 571.119 | 537.695 | 527.436 |
| 36.5 | 516.972 | 519.461 | 543.423 | 599.667 | 652.158 | 615.813 | 564.520 | 531.143 | 520.781 |
| 37.0 | 510.766 | 513.274 | 537.011 | 592.301 | 644.736 | 608.690 | 557.594 | 524.029 | 513.536 |
| 37.5 | 504.148 | 506.938 | 530.824 | 585.000 | 636.620 | 601.474 | 550.611 | 516.878 | 506.647 |
| 38.0 | 497.961 | 500.620 | 524.319 | 577.568 | 628.122 | 594.341 | 543.488 | 509.914 | 499.740 |
| 38.5 | 491.793 | 494.311 | 517.805 | 569.912 | 619.566 | 586.778 | 536.225 | 502.604 | 492.654 |
| 39.0 | 485.896 | 487.946 | 511.224 | 562.339 | 610.384 | 579.356 | 528.737 | 495.331 | 485.728 |
| 39.5 | 479.709 | 481.488 | 504.541 | 554.486 | 600.809 | 571.681 | 521.343 | 488.377 | 479.045 |
| 40.0 | 473.597 | 475.263 | 497.830 | 546.643 | 591.150 | 563.996 | 513.930 | 481.226 | 472.268 |
| 40.5 | 468.000 | 469.076 | 491.063 | 538.705 | 581.022 | 556.124 | 506.114 | 474.140 | 465.791 |
| 41.0 | 462.627 | 463.039 | 484.389 | 530.909 | 571.391 | 548.346 | 498.570 | 467.148 | 459.623 |
| 41.5 | 457.507 | 456.899 | 477.266 | 522.690 | 561.020 | 540.166 | 490.745 | 460.259 | 453.108 |
| 42.0 | 452.668 | 451.030 | 470.274 | 514.435 | 551.107 | 531.957 | 482.761 | 453.576 | 446.987 |
| 42.5 | 448.016 | 445.424 | 463.404 | 506.395 | 540.830 | 523.851 | 474.861 | 446.921 | 441.015 |
| 43.0 | 443.945 | 439.911 | 456.300 | 498.083 | 530.553 | 515.296 | 467.036 | 440.379 | 434.950 |
| 43.5 | 440.257 | 435.015 | 449.233 | 489.715 | 520.669 | 506.975 | 459.024 | 434.238 | 429.558 |
| 44.0 | 436.532 | 430.279 | 442.148 | 481.310 | 510.579 | 498.326 | 451.124 | 428.108 | 424.598 |
| 44.5 | 433.031 | 426.011 | 435.156 | 472.848 | 500.797 | 489.799 | 443.280 | 422.192 | 420.227 |
| 45.0 | 429.577 | 422.183 | 428.173 | 464.275 | 490.904 | 480.889 | 435.446 | 416.623 | 415.855 |
| 45.5 | 426.264 | 418.514 | 421.275 | 456.019 | 481.516 | 472.446 | 427.789 | 411.672 | 411.690 |
| 46.0 | 422.819 | 415.163 | 414.451 | 447.464 | 471.576 | 463.442 | 420.077 | 406.889 | 407.853 |
| 46.5 | 419.637 | 411.643 | 407.768 | 438.750 | 461.748 | 454.362 | 412.626 | 402.499 | 403.744 |
| 47.0 | 416.473 | 408.105 | 401.460 | 430.176 | 451.929 | 445.386 | 405.466 | 398.315 | 399.962 |
| 47.5 | 413.197 | 404.942 | 395.086 | 421.387 | 441.904 | 436.139 | 398.380 | 394.402 | 395.900 |
| 48.0 | 409.874 | 401.666 | 389.367 | 412.748 | 431.852 | 426.984 | 391.791 | 390.471 | 392.165 |
| 48.5 | 406.992 | 398.652 | 383.826 | 403.903 | 421.621 | 417.877 | 385.398 | 386.708 | 388.197 |
| 49.0 | 403.987 | 395.516 | 378.827 | 395.320 | 411.110 | 408.807 | 379.539 | 382.796 | 384.556 |
| 49.5 | 400.748 | 392.521 | 374.241 | 386.671 | 400.645 | 399.485 | 373.904 | 379.043 | 380.634 |
| 50.0 | 397.819 | 389.629 | 370.113 | 378.284 | 390.097 | 390.593 | 368.924 | 375.168 | 377.152 |
| 50.5 | 394.861 | 386.568 | 366.257 | 369.711 | 379.351 | 381.504 | 364.038 | 371.480 | 373.333 |
| 51.0 | 392.100 | 383.601 | 362.606 | 361.221 | 368.353 | 372.687 | 359.546 | 367.867 | 370.057 |
| 51.5 | 389.282 | 380.821 | 359.031 | 353.031 | 357.515 | 363.589 | 355.455 | 364.226 | 366.481 |
| 52.0 | 386.587 | 378.135 | 355.409 | 344.738 | 346.526 | 354.912 | 351.636 | 360.865 | 362.868 |
| 52.5 | 383.844 | 375.214 | 352.151 | 336.913 | 335.416 | 346.722 | 347.883 | 357.159 | 359.574 |
| 53.0 | 381.336 | 372.650 | 348.922 | 329.060 | 324.642 | 338.430 | 344.289 | 353.817 | 356.045 |
| 53.5 | 378.940 | 369.954 | 345.796 | 321.656 | 313.785 | 330.595 | 340.667 | 350.261 | 352.825 |
| 54.0 | 376.375 | 367.352 | 342.632 | 314.730 | 303.002 | 323.060 | 337.072 | 346.769 | 349.371 |
| 54.5 | 374.072 | 365.096 | 339.787 | 308.524 | 292.912 | 316.237 | 333.759 | 343.709 | 346.067 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 55.0 | 371.564 | 362.672 | 336.838 | 302.553 | 282.475 | 309.938 | 330.371 | 340.170 | 342.950 |
| 55.5 | 369.224 | 360.435 | 333.815 | 297.451 | 272.320 | 304.359 | 326.870 | 336.792 | 339.497 |
| 56.0 | 366.968 | 358.057 | 330.876 | 292.603 | 262.941 | 298.912 | 323.603 | 333.609 | 336.342 |
| 56.5 | 364.881 | 355.867 | 328.115 | 288.176 | 253.356 | 294.213 | 320.280 | 330.268 | 333.085 |
| 57.0 | 362.625 | 353.789 | 325.260 | 284.273 | 244.511 | 289.823 | 317.079 | 327.057 | 329.874 |
| 57.5 | 360.585 | 351.496 | 322.546 | 280.557 | 236.462 | 285.592 | 313.738 | 323.922 | 326.533 |
| 58.0 | 358.413 | 349.755 | 319.756 | 277.178 | 228.786 | 281.670 | 310.509 | 320.842 | 323.585 |
| 58.5 | 356.167 | 347.658 | 317.201 | 273.808 | 221.813 | 278.310 | 307.401 | 317.472 | 320.337 |
| 59.0 | 354.547 | 345.777 | 314.796 | 271.009 | 215.785 | 274.959 | 304.125 | 314.346 | 317.416 |
| 59.5 | 352.432 | 343.924 | 312.072 | 268.145 | 210.160 | 271.814 | 301.121 | 311.295 | 314.281 |
| 60.0 | 350.392 | 342.005 | 309.666 | 265.169 | 204.918 | 268.641 | 297.901 | 308.159 | 311.192 |
| 60.5 | 348.454 | 340.227 | 307.308 | 262.230 | 200.173 | 265.730 | 294.859 | 305.089 | 308.038 |
| 61.0 | 346.788 | 338.486 | 304.818 | 259.281 | 195.727 | 262.782 | 291.817 | 301.954 | 304.865 |
| 61.5 | 344.757 | 336.801 | 302.553 | 256.342 | 191.552 | 259.955 | 288.616 | 298.799 | 301.823 |
| 62.0 | 342.819 | 335.079 | 300.166 | 253.356 | 187.490 | 256.998 | 285.658 | 295.748 | 298.781 |
| 62.5 | 341.060 | 333.384 | 297.985 | 250.417 | 183.578 | 254.171 | 282.513 | 292.771 | 295.795 |
| 63.0 | 339.403 | 331.784 | 295.729 | 247.581 | 179.731 | 251.400 | 279.480 | 289.683 | 292.800 |
| 63.5 | 337.559 | 330.146 | 293.633 | 244.904 | 176.071 | 248.686 | 276.551 | 286.772 | 289.945 |
| 64.0 | 335.921 | 328.704 | 291.620 | 242.096 | 172.336 | 246.131 | 273.378 | 283.692 | 286.687 |
| 64.5 | 334.002 | 327.085 | 289.439 | 239.354 | 168.667 | 243.426 | 270.410 | 280.678 | 283.842 |
| 65.0 | 332.336 | 325.700 | 287.436 | 236.640 | 164.961 | 240.833 | 267.265 | 277.636 | 280.894 |
| 65.5 | 330.782 | 324.212 | 285.574 | 233.729 | 161.142 | 238.193 | 264.195 | 274.744 | 277.936 |
| 66.0 | 328.873 | 322.592 | 283.458 | 231.220 | 157.501 | 235.666 | 261.191 | 271.796 | 275.137 |
| 66.5 | 327.422 | 321.179 | 281.605 | 228.496 | 153.757 | 233.139 | 258.130 | 268.913 | 272.179 |
| 67.0 | 325.634 | 319.831 | 279.705 | 226.044 | 150.144 | 230.687 | 255.135 | 265.880 | 269.081 |
| 67.5 | 324.240 | 318.259 | 277.842 | 223.414 | 146.287 | 228.216 | 251.999 | 262.997 | 266.348 |
| 68.0 | 322.770 | 316.930 | 276.008 | 220.915 | 142.759 | 225.763 | 249.004 | 260.124 | 263.437 |
| 68.5 | 321.085 | 315.666 | 274.323 | 218.584 | 139.221 | 223.133 | 245.850 | 257.203 | 260.489 |
| 69.0 | 319.466 | 314.281 | 272.413 | 215.991 | 135.458 | 220.596 | 242.892 | 254.236 | 257.559 |
| 69.5 | 317.894 | 312.924 | 270.691 | 213.586 | 131.892 | 217.948 | 239.794 | 251.353 | 254.760 |
| 70.0 | 316.443 | 311.707 | 268.997 | 211.152 | 128.232 | 215.439 | 236.930 | 248.536 | 251.784 |
| 70.5 | 314.927 | 310.396 | 267.303 | 208.822 | 124.769 | 212.743 | 233.635 | 245.588 | 248.985 |
| 71.0 | 313.354 | 308.983 | 265.618 | 206.472 | 121.352 | 210.123 | 230.827 | 242.649 | 246.196 |
| 71.5 | 311.735 | 307.841 | 263.989 | 204.179 | 118.002 | 207.399 | 227.757 | 239.775 | 243.163 |
| 72.0 | 310.303 | 306.606 | 262.482 | 201.792 | 114.482 | 204.759 | 224.874 | 236.864 | 240.234 |
| 72.5 | 308.974 | 305.379 | 260.760 | 199.480 | 111.290 | 202.195 | 221.776 | 234.122 | 237.379 |
| 73.0 | 307.364 | 304.200 | 259.244 | 197.187 | 107.865 | 199.387 | 218.678 | 231.323 | 234.608 |
| 73.5 | 306.025 | 303.002 | 257.625 | 195.034 | 104.542 | 196.841 | 215.804 | 228.281 | 231.501 |
| 74.0 | 304.481 | 301.869 | 256.146 | 192.825 | 101.425 | 193.818 | 212.865 | 225.454 | 228.730 |
| 74.5 | 303.358 | 300.578 | 254.667 | 190.747 | 98.093 | 190.963 | 209.814 | 222.440 | 225.735 |
| 75.0 | 301.907 | 299.464 | 253.179 | 188.763 | 94.967 | 188.145 | 206.875 | 219.614 | 222.834 |
| 75.5 | 300.344 | 298.331 | 251.625 | 186.741 | 91.822 | 185.103 | 203.908 | 216.656 | 220.063 |
| 76.0 | 298.902 | 297.283 | 250.221 | 184.813 | 88.817 | 182.024 | 200.912 | 213.857 | 217.077 |
| 76.5 | 297.489 | 296.047 | 248.845 | 182.922 | 85.607 | 179.113 | 197.917 | 210.928 | 214.044 |
| 77.0 | 296.207 | 295.018 | 247.469 | 180.976 | 82.930 | 176.043 | 194.959 | 208.063 | 211.499 |
| 77.5 | 294.615 | 293.857 | 246.028 | 179.207 | 79.878 | 172.907 | 192.114 | 205.227 | 208.522 |
| 78.0 | 293.342 | 292.818 | 244.680 | 177.306 | 76.986 | 169.669 | 189.081 | 202.195 | 205.508 |
| 78.5 | 291.985 | 291.835 | 243.313 | 175.472 | 74.234 | 166.411 | 186.217 | 199.377 | 202.607 |
| 79.0 | 290.506 | 290.694 | 241.900 | 173.722 | 71.426 | 163.398 | 183.147 | 196.448 | 199.649 |
| 79.5 | 289.261 | 289.683 | 240.655 | 172.074 | 68.759 | 159.972 | 180.208 | 193.593 | 196.850 |
| 80.0 | 287.773 | 288.597 | 239.279 | 170.249 | 65.979 | 156.733 | 177.138 | 190.663 | 193.939 |
| 80.5 | 286.631 | 287.539 | 237.912 | 168.648 | 63.377 | 153.551 | 174.236 | 187.659 | 191.000 |
| 81.0 | 285.087 | 286.519 | 236.686 | 166.833 | 60.831 | 150.106 | 171.129 | 184.794 | 188.061 |
| 81.5 | 283.711 | 285.424 | 235.329 | 165.326 | 58.378 | 147.102 | 168.358 | 181.996 | 185.178 |
| 82.0 | 282.447 | 284.291 | 234.234 | 163.706 | 55.692 | 143.620 | 165.288 | 178.982 | 182.220 |
| 82.5 | 281.240 | 283.374 | 232.933 | 161.994 | 53.277 | 140.353 | 162.265 | 176.034 | 179.300 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLD 6 LIGHT.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|---------|---------|---------|---------|--------|---------|---------|---------|---------|
| 83.0 | 279.686 | 282.129 | 231.772 | 160.449 | 51.059 | 137.105 | 159.176 | 173.197 | 176.595 |
| 83.5 | 278.460 | 281.062 | 230.462 | 158.942 | 48.475 | 133.736 | 156.172 | 170.343 | 173.553 |
| 84.0 | 277.000 | 280.004 | 229.226 | 157.416 | 46.126 | 130.525 | 153.195 | 167.469 | 170.689 |
| 84.5 | 275.886 | 278.947 | 228.066 | 155.797 | 44.104 | 127.025 | 150.219 | 164.549 | 167.844 |
| 85.0 | 274.473 | 277.917 | 227.027 | 154.506 | 41.895 | 123.636 | 147.102 | 161.769 | 165.110 |
| 85.5 | 273.069 | 276.850 | 225.922 | 153.102 | 39.686 | 120.398 | 144.228 | 158.867 | 162.228 |
| 86.0 | 271.927 | 275.923 | 224.837 | 152.016 | 37.768 | 117.066 | 141.242 | 156.200 | 159.420 |
| 86.5 | 270.588 | 274.922 | 223.732 | 150.677 | 35.830 | 113.658 | 138.313 | 153.438 | 156.640 |
| 87.0 | 269.297 | 274.061 | 222.693 | 149.395 | 33.808 | 110.148 | 135.411 | 150.827 | 153.916 |
| 87.5 | 268.014 | 272.844 | 221.635 | 148.272 | 31.946 | 106.985 | 132.538 | 148.262 | 151.501 |
| 88.0 | 267.031 | 271.936 | 220.699 | 147.139 | 30.111 | 103.737 | 129.776 | 145.838 | 149.011 |
| 88.5 | 265.581 | 271.103 | 219.754 | 146.184 | 28.230 | 100.611 | 127.090 | 143.517 | 146.465 |
| 89.0 | 264.673 | 270.382 | 219.305 | 145.426 | 26.770 | 97.793 | 124.582 | 141.420 | 144.032 |
| 89.5 | 264.195 | 270.298 | 218.921 | 145.258 | 25.637 | 95.444 | 122.438 | 140.091 | 142.122 |
| 90.0 | 264.242 | 271.225 | 219.155 | 145.211 | 25.375 | 93.497 | 120.735 | 139.370 | 140.522 |
| 90.5 | 264.607 | 273.153 | 219.707 | 145.454 | 25.281 | 91.485 | 118.881 | 139.267 | 138.930 |
| 91.0 | 265.131 | 275.774 | 220.540 | 146.362 | 25.749 | 89.613 | 117.168 | 138.968 | 137.321 |
| 91.5 | 265.955 | 277.571 | 221.448 | 147.588 | 25.824 | 87.638 | 115.446 | 136.946 | 135.879 |
| 92.0 | 266.957 | 278.329 | 222.590 | 149.180 | 26.086 | 85.476 | 113.743 | 133.932 | 134.382 |
| 92.5 | 268.342 | 277.880 | 223.975 | 150.883 | 26.376 | 83.295 | 112.002 | 130.956 | 132.800 |
| 93.0 | 269.437 | 277.730 | 225.305 | 152.418 | 26.788 | 81.076 | 110.336 | 128.550 | 131.087 |
| 93.5 | 270.953 | 277.926 | 226.755 | 153.841 | 27.135 | 78.558 | 108.501 | 126.566 | 129.617 |
| 94.0 | 272.367 | 279.040 | 228.197 | 155.170 | 27.593 | 76.097 | 106.807 | 124.769 | 127.970 |
| 94.5 | 273.602 | 280.023 | 229.573 | 156.499 | 28.080 | 73.794 | 105.094 | 122.887 | 126.323 |
| 95.0 | 274.819 | 281.174 | 230.902 | 157.641 | 28.632 | 71.641 | 103.288 | 121.249 | 124.862 |
| 95.5 | 276.401 | 282.316 | 232.306 | 158.886 | 29.184 | 69.470 | 101.322 | 119.471 | 123.131 |
| 96.0 | 277.421 | 283.468 | 233.644 | 160.253 | 30.046 | 67.242 | 99.506 | 117.796 | 121.390 |
| 96.5 | 278.769 | 284.478 | 234.824 | 161.741 | 30.813 | 65.080 | 97.615 | 115.933 | 119.677 |
| 97.0 | 280.182 | 285.639 | 236.200 | 163.388 | 32.011 | 62.946 | 95.659 | 114.183 | 117.899 |
| 97.5 | 281.521 | 286.482 | 237.519 | 164.858 | 33.069 | 60.746 | 93.825 | 112.348 | 116.027 |
| 98.0 | 282.578 | 287.446 | 238.586 | 166.636 | 34.173 | 58.734 | 91.794 | 110.289 | 114.426 |
| 98.5 | 283.861 | 288.316 | 239.878 | 168.031 | 35.409 | 56.684 | 89.875 | 108.510 | 112.348 |
| 99.0 | 284.844 | 289.196 | 241.114 | 169.716 | 36.598 | 54.662 | 87.947 | 106.470 | 110.663 |
| 99.5 | 286.079 | 290.057 | 242.115 | 171.391 | 37.515 | 52.921 | 86.093 | 104.664 | 108.604 |
| 100.0 | 287.258 | 290.825 | 243.397 | 173.085 | 38.020 | 51.124 | 84.259 | 102.698 | 106.741 |
| 100.5 | 288.232 | 291.789 | 244.820 | 174.620 | 38.741 | 49.290 | 82.312 | 100.648 | 104.664 |
| 101.0 | 289.364 | 292.537 | 246.168 | 176.034 | 39.228 | 47.792 | 80.468 | 98.757 | 102.698 |
| 101.5 | 290.413 | 293.230 | 247.544 | 177.419 | 39.714 | 46.650 | 78.456 | 96.810 | 100.704 |
| 102.0 | 291.592 | 294.072 | 249.013 | 178.926 | 40.482 | 45.546 | 76.574 | 94.789 | 98.757 |
| 102.5 | 292.659 | 294.821 | 250.305 | 180.311 | 41.399 | 44.619 | 74.796 | 92.842 | 96.623 |
| 103.0 | 293.689 | 295.626 | 251.634 | 181.528 | 42.242 | 43.861 | 72.952 | 90.942 | 94.527 |
| 103.5 | 294.672 | 296.291 | 253.010 | 182.614 | 43.309 | 43.224 | 71.220 | 89.098 | 92.580 |
| 104.0 | 295.626 | 297.096 | 254.424 | 183.756 | 44.376 | 43.084 | 69.507 | 87.142 | 90.698 |
| 104.5 | 296.497 | 297.891 | 255.668 | 184.542 | 45.546 | 42.635 | 67.720 | 85.279 | 88.489 |
| 105.0 | 297.676 | 298.603 | 256.820 | 185.319 | 46.641 | 42.438 | 65.997 | 83.360 | 86.561 |
| 105.5 | 298.575 | 299.314 | 258.121 | 185.796 | 47.727 | 42.391 | 64.284 | 81.376 | 84.483 |
| 106.0 | 299.501 | 299.932 | 259.394 | 186.283 | 48.859 | 42.457 | 62.534 | 79.588 | 82.630 |
| 106.5 | 300.381 | 300.709 | 260.423 | 186.638 | 50.048 | 42.813 | 61.130 | 77.388 | 80.683 |
| 107.0 | 301.289 | 301.326 | 261.659 | 187.060 | 51.265 | 43.384 | 59.642 | 75.601 | 78.652 |
| 107.5 | 302.206 | 302.122 | 262.567 | 187.069 | 52.397 | 43.945 | 58.219 | 73.663 | 76.874 |
| 108.0 | 302.964 | 302.862 | 263.643 | 187.125 | 53.642 | 44.666 | 56.871 | 71.716 | 74.852 |
| 108.5 | 303.910 | 303.423 | 264.551 | 187.144 | 55.018 | 45.387 | 55.776 | 70.003 | 72.877 |
| 109.0 | 304.902 | 304.078 | 265.365 | 187.106 | 56.151 | 46.238 | 54.690 | 68.188 | 70.921 |
| 109.5 | 305.688 | 304.799 | 266.152 | 186.957 | 57.358 | 47.193 | 53.455 | 66.231 | 68.993 |
| 110.0 | 306.559 | 305.333 | 266.966 | 186.816 | 58.603 | 48.148 | 52.388 | 64.453 | 67.280 |
| 110.5 | 307.429 | 306.016 | 267.752 | 186.657 | 59.773 | 49.215 | 51.433 | 62.646 | 65.436 |

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 111.0 | 308.496 | 306.437 | 268.398 | 186.517 | 60.962 | 50.263 | 50.347 | 60.934 | 63.423 |
| 111.5 | 309.254 | 306.999 | 269.006 | 186.114 | 62.001 | 51.424 | 49.608 | 59.361 | 61.748 |
| 112.0 | 309.947 | 307.504 | 269.568 | 185.618 | 63.152 | 52.566 | 48.784 | 57.807 | 59.988 |
| 112.5 | 310.771 | 307.907 | 269.905 | 185.103 | 64.219 | 53.895 | 48.110 | 56.394 | 57.938 |
| 113.0 | 311.501 | 308.478 | 270.354 | 184.495 | 65.445 | 55.130 | 47.539 | 55.084 | 56.441 |
| 113.5 | 312.165 | 308.899 | 270.495 | 183.877 | 66.615 | 56.581 | 46.884 | 53.904 | 54.831 |
| 114.0 | 312.652 | 309.161 | 270.785 | 183.091 | 67.766 | 57.817 | 46.426 | 52.781 | 53.137 |
| 114.5 | 313.167 | 309.432 | 270.944 | 182.314 | 68.918 | 59.108 | 45.892 | 51.677 | 51.780 |
| 115.0 | 313.691 | 309.713 | 271.084 | 181.490 | 70.050 | 60.503 | 45.490 | 50.553 | 50.488 |
| 115.5 | 314.000 | 309.919 | 271.019 | 180.629 | 71.239 | 61.860 | 45.237 | 49.786 | 49.440 |
| 116.0 | 314.187 | 310.031 | 270.925 | 179.871 | 72.418 | 63.320 | 45.031 | 48.681 | 48.560 |
| 116.5 | 314.767 | 310.106 | 270.738 | 178.879 | 73.616 | 64.444 | 44.909 | 48.148 | 47.605 |
| 117.0 | 314.898 | 310.247 | 270.607 | 178.102 | 74.768 | 65.829 | 45.022 | 47.315 | 46.781 |
| 117.5 | 315.132 | 310.153 | 270.279 | 177.316 | 75.807 | 67.186 | 44.937 | 46.585 | 45.920 |
| 118.0 | 315.132 | 310.069 | 270.083 | 176.502 | 77.089 | 68.515 | 45.003 | 46.079 | 45.340 |
| 118.5 | 315.423 | 309.984 | 269.549 | 175.481 | 78.203 | 69.975 | 45.218 | 45.443 | 44.600 |
| 119.0 | 315.544 | 309.722 | 269.016 | 174.517 | 79.289 | 71.286 | 45.396 | 45.040 | 44.104 |
| 119.5 | 315.535 | 309.460 | 268.529 | 173.787 | 80.515 | 72.699 | 45.724 | 44.516 | 43.608 |
| 120.0 | 315.591 | 309.067 | 268.005 | 172.739 | 81.760 | 74.094 | 45.920 | 44.179 | 42.934 |
| 120.5 | 315.863 | 308.758 | 267.294 | 171.747 | 82.677 | 75.460 | 46.444 | 43.917 | 42.766 |
| 121.0 | 315.825 | 308.328 | 266.535 | 170.792 | 83.997 | 76.939 | 46.809 | 43.646 | 42.008 |
| 121.5 | 315.919 | 307.841 | 265.787 | 169.669 | 85.073 | 78.427 | 47.483 | 43.430 | 41.867 |
| 122.0 | 315.816 | 307.102 | 264.888 | 168.714 | 86.093 | 79.813 | 48.017 | 43.505 | 41.455 |
| 122.5 | 315.919 | 306.596 | 263.999 | 167.675 | 87.207 | 81.254 | 48.700 | 43.187 | 41.109 |
| 123.0 | 315.638 | 305.922 | 262.979 | 166.627 | 88.340 | 82.677 | 49.308 | 43.187 | 40.594 |
| 123.5 | 315.395 | 305.145 | 262.014 | 165.522 | 89.332 | 84.128 | 50.198 | 42.990 | 40.613 |
| 124.0 | 314.636 | 304.415 | 260.882 | 164.427 | 90.268 | 85.672 | 50.928 | 43.084 | 40.342 |
| 124.5 | 313.869 | 303.489 | 259.890 | 163.398 | 91.316 | 87.216 | 51.761 | 43.075 | 40.154 |
| 125.0 | 313.223 | 302.665 | 258.626 | 162.209 | 92.355 | 88.845 | 52.893 | 43.037 | 40.042 |
| 125.5 | 312.409 | 301.626 | 257.503 | 161.160 | 93.300 | 90.324 | 53.867 | 43.224 | 40.080 |
| 126.0 | 311.407 | 300.718 | 256.005 | 160.037 | 94.339 | 91.915 | 54.934 | 43.468 | 40.005 |
| 126.5 | 310.509 | 299.595 | 254.779 | 159.120 | 95.238 | 93.432 | 56.066 | 43.636 | 39.986 |
| 127.0 | 309.694 | 298.575 | 253.422 | 158.090 | 96.240 | 95.060 | 57.190 | 43.936 | 40.257 |
| 127.5 | 308.712 | 297.292 | 251.803 | 156.892 | 96.970 | 96.576 | 58.369 | 44.320 | 40.501 |
| 128.0 | 307.607 | 296.057 | 250.464 | 156.012 | 97.962 | 98.093 | 59.502 | 44.750 | 40.641 |
| 128.5 | 306.596 | 294.484 | 248.892 | 155.048 | 98.692 | 99.562 | 60.587 | 45.012 | 40.997 |
| 129.0 | 305.520 | 293.099 | 247.338 | 154.028 | 99.459 | 100.957 | 61.804 | 45.555 | 40.997 |
| 129.5 | 304.209 | 291.274 | 245.541 | 153.186 | 100.264 | 102.689 | 63.105 | 46.135 | 41.643 |
| 130.0 | 302.955 | 289.570 | 243.809 | 152.203 | 101.041 | 103.962 | 64.172 | 46.688 | 42.017 |
| 130.5 | 301.757 | 287.792 | 241.900 | 151.192 | 101.706 | 105.506 | 65.408 | 47.249 | 42.551 |
| 131.0 | 300.334 | 285.976 | 240.159 | 150.322 | 102.221 | 106.975 | 66.437 | 48.082 | 42.990 |
| 131.5 | 298.865 | 284.039 | 238.315 | 149.395 | 103.007 | 108.398 | 67.663 | 48.672 | 43.533 |
| 132.0 | 297.442 | 282.176 | 236.443 | 148.384 | 103.587 | 110.092 | 68.918 | 49.552 | 44.207 |
| 132.5 | 295.645 | 280.182 | 234.384 | 147.532 | 104.242 | 111.627 | 70.069 | 50.413 | 44.909 |
| 133.0 | 293.970 | 278.254 | 232.418 | 146.306 | 104.673 | 113.069 | 71.286 | 51.340 | 45.639 |
| 133.5 | 292.416 | 276.382 | 230.415 | 145.445 | 105.169 | 114.454 | 72.531 | 52.276 | 46.360 |
| 134.0 | 290.385 | 274.267 | 228.234 | 144.490 | 105.459 | 115.961 | 73.850 | 53.277 | 47.184 |
| 134.5 | 288.606 | 272.189 | 225.988 | 143.489 | 105.871 | 117.112 | 74.955 | 54.232 | 48.110 |
| 135.0 | 286.566 | 269.896 | 223.741 | 142.609 | 106.339 | 118.423 | 76.331 | 55.449 | 49.009 |
| 135.5 | 284.750 | 267.724 | 221.504 | 141.664 | 106.676 | 119.359 | 77.482 | 56.534 | 50.010 |
| 136.0 | 282.532 | 265.412 | 219.183 | 140.718 | 106.947 | 120.323 | 78.736 | 57.714 | 51.171 |
| 136.5 | 280.454 | 263.100 | 216.750 | 139.698 | 107.172 | 121.109 | 79.925 | 58.977 | 52.285 |
| 137.0 | 278.132 | 260.667 | 214.475 | 138.725 | 107.219 | 121.755 | 81.254 | 60.222 | 53.446 |
| 137.5 | 275.746 | 258.205 | 212.004 | 137.817 | 107.294 | 122.326 | 82.518 | 61.289 | 54.784 |
| 138.0 | 273.331 | 255.818 | 209.673 | 136.871 | 107.490 | 122.607 | 83.903 | 62.356 | 56.029 |
| 138.5 | 270.757 | 253.310 | 207.277 | 136.001 | 107.546 | 122.831 | 85.157 | 63.685 | 57.470 |

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 139.0 | 268.089 | 250.736 | 204.965 | 135.093 | 107.677 | 123.075 | 86.337 | 64.921 | 58.715 |
| 139.5 | 265.468 | 248.190 | 202.401 | 134.194 | 107.668 | 123.309 | 87.656 | 65.913 | 59.867 |
| 140.0 | 263.007 | 245.550 | 200.126 | 133.417 | 107.780 | 123.412 | 89.032 | 67.242 | 61.336 |
| 140.5 | 260.021 | 242.808 | 197.533 | 132.556 | 108.080 | 123.112 | 90.361 | 68.347 | 62.675 |
| 141.0 | 257.241 | 240.112 | 195.119 | 131.555 | 107.940 | 122.934 | 91.653 | 69.592 | 63.704 |
| 141.5 | 254.395 | 237.416 | 192.629 | 130.825 | 107.780 | 122.148 | 93.038 | 70.659 | 65.155 |
| 142.0 | 251.559 | 234.618 | 190.158 | 129.992 | 107.808 | 121.268 | 94.386 | 71.744 | 66.653 |
| 142.5 | 248.517 | 231.988 | 187.705 | 129.234 | 107.687 | 120.276 | 95.678 | 73.036 | 67.813 |
| 143.0 | 245.728 | 229.067 | 185.131 | 128.457 | 107.359 | 119.040 | 97.091 | 74.244 | 69.376 |
| 143.5 | 242.724 | 226.147 | 182.698 | 127.670 | 107.060 | 117.945 | 98.346 | 75.414 | 70.471 |
| 144.0 | 239.513 | 223.105 | 180.217 | 126.903 | 106.919 | 116.560 | 99.609 | 76.705 | 71.857 |
| 144.5 | 236.546 | 220.250 | 177.718 | 126.276 | 106.526 | 115.325 | 101.107 | 77.604 | 73.308 |
| 145.0 | 233.401 | 217.423 | 175.285 | 125.527 | 106.180 | 113.761 | 102.389 | 79.008 | 74.403 |
| 145.5 | 230.247 | 214.297 | 172.776 | 124.759 | 105.366 | 112.123 | 103.887 | 80.234 | 75.835 |
| 146.0 | 227.167 | 211.358 | 170.296 | 123.973 | 104.635 | 110.373 | 105.132 | 81.516 | 77.379 |
| 146.5 | 223.947 | 208.438 | 167.918 | 123.262 | 103.728 | 108.501 | 106.404 | 82.649 | 78.680 |
| 147.0 | 220.671 | 205.227 | 165.494 | 122.401 | 102.670 | 106.517 | 107.546 | 83.903 | 79.860 |
| 147.5 | 217.405 | 202.223 | 163.107 | 121.717 | 101.687 | 104.523 | 108.885 | 85.195 | 81.619 |
| 148.0 | 214.035 | 199.237 | 160.777 | 120.941 | 100.442 | 102.370 | 109.896 | 86.505 | 82.761 |
| 148.5 | 210.740 | 196.232 | 158.512 | 120.276 | 99.048 | 100.339 | 110.850 | 87.834 | 84.212 |
| 149.0 | 207.577 | 193.078 | 156.172 | 119.452 | 97.831 | 98.533 | 111.918 | 89.032 | 85.644 |
| 149.5 | 204.291 | 189.989 | 153.953 | 118.741 | 96.427 | 96.773 | 112.648 | 90.408 | 87.020 |
| 150.0 | 200.950 | 186.938 | 151.772 | 117.721 | 95.210 | 95.219 | 113.368 | 91.672 | 88.508 |
| 150.5 | 197.618 | 183.896 | 149.592 | 116.710 | 94.190 | 93.712 | 113.986 | 93.141 | 90.333 |
| 151.0 | 194.089 | 180.788 | 147.429 | 115.830 | 93.010 | 91.906 | 114.389 | 94.648 | 91.578 |
| 151.5 | 190.757 | 177.643 | 145.398 | 114.754 | 91.896 | 90.521 | 114.520 | 95.790 | 93.104 |
| 152.0 | 187.443 | 174.630 | 143.358 | 113.612 | 90.633 | 89.182 | 114.454 | 97.241 | 94.948 |
| 152.5 | 183.999 | 171.503 | 141.411 | 112.591 | 89.875 | 88.106 | 113.986 | 98.692 | 96.736 |
| 153.0 | 180.564 | 168.471 | 139.501 | 111.487 | 88.948 | 87.020 | 113.864 | 99.881 | 97.980 |
| 153.5 | 177.316 | 165.550 | 137.667 | 110.429 | 88.124 | 86.065 | 113.293 | 101.219 | 99.937 |
| 154.0 | 173.928 | 162.593 | 135.795 | 109.409 | 87.151 | 84.708 | 112.629 | 102.352 | 101.425 |
| 154.5 | 170.577 | 159.682 | 133.979 | 107.986 | 85.925 | 83.491 | 111.983 | 103.456 | 102.792 |
| 155.0 | 167.376 | 156.696 | 132.313 | 106.545 | 84.895 | 82.237 | 111.150 | 104.523 | 104.635 |
| 155.5 | 164.015 | 153.747 | 130.413 | 105.103 | 84.043 | 80.468 | 110.158 | 105.356 | 106.049 |
| 156.0 | 160.767 | 151.108 | 128.962 | 103.503 | 83.098 | 79.101 | 108.623 | 106.367 | 107.406 |
| 156.5 | 157.594 | 148.131 | 127.315 | 101.987 | 82.359 | 77.707 | 106.798 | 107.097 | 108.894 |
| 157.0 | 154.356 | 145.454 | 125.780 | 100.386 | 81.788 | 76.527 | 104.757 | 107.528 | 109.943 |
| 157.5 | 151.464 | 142.731 | 124.104 | 98.757 | 81.170 | 75.432 | 102.211 | 108.042 | 110.972 |
| 158.0 | 148.665 | 140.344 | 122.663 | 97.381 | 80.796 | 74.702 | 99.993 | 108.436 | 111.955 |
| 158.5 | 146.007 | 137.873 | 121.221 | 96.034 | 80.824 | 74.103 | 97.859 | 108.716 | 112.816 |
| 159.0 | 143.068 | 135.514 | 119.771 | 94.704 | 80.767 | 73.850 | 95.884 | 108.642 | 113.368 |
| 159.5 | 140.550 | 133.155 | 118.310 | 93.357 | 80.356 | 73.841 | 93.637 | 108.333 | 114.136 |
| 160.0 | 137.863 | 130.946 | 117.103 | 92.262 | 79.607 | 73.673 | 91.410 | 107.902 | 114.557 |
| 160.5 | 135.327 | 128.700 | 115.652 | 90.989 | 78.858 | 73.223 | 88.929 | 107.612 | 114.819 |
| 161.0 | 132.856 | 126.669 | 114.145 | 89.819 | 77.716 | 72.652 | 86.355 | 107.004 | 114.978 |
| 161.5 | 130.432 | 124.507 | 112.854 | 88.808 | 76.799 | 71.829 | 83.538 | 106.423 | 114.857 |
| 162.0 | 128.326 | 122.710 | 111.478 | 87.572 | 76.396 | 71.239 | 80.636 | 105.609 | 114.080 |
| 162.5 | 126.079 | 120.819 | 110.214 | 86.552 | 76.312 | 70.715 | 77.931 | 104.813 | 112.956 |
| 163.0 | 124.011 | 118.872 | 108.941 | 85.410 | 76.527 | 70.331 | 75.395 | 103.793 | 111.599 |
| 163.5 | 121.980 | 117.187 | 107.574 | 84.277 | 76.518 | 70.462 | 73.223 | 102.586 | 110.139 |
| 164.0 | 120.154 | 115.353 | 105.965 | 83.070 | 76.359 | 70.715 | 71.585 | 101.069 | 108.370 |
| 164.5 | 118.114 | 113.565 | 104.486 | 81.722 | 75.685 | 70.958 | 69.779 | 99.104 | 106.414 |
| 165.0 | 116.036 | 112.067 | 102.792 | 80.337 | 74.871 | 70.902 | 68.103 | 96.998 | 104.298 |
| 165.5 | 114.089 | 110.364 | 101.088 | 78.905 | 74.141 | 70.106 | 66.840 | 94.489 | 102.015 |
| 166.0 | 111.927 | 108.108 | 99.459 | 77.557 | 73.429 | 68.890 | 65.436 | 91.962 | 99.806 |
| 166.5 | 110.148 | 105.515 | 97.597 | 76.218 | 72.615 | 68.066 | 64.284 | 89.313 | 97.241 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLD 6 LIGHT.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|--------------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 167.0 | 108.230 | 103.615 | 95.987 | 75.011 | 72.287 | 67.458 | 63.246 | 86.599 | 94.985 |
| 167.5 | 106.507 | 101.537 | 94.190 | 73.701 | 71.801 | 66.971 | 62.310 | 83.716 | 91.981 |
| 168.0 | 104.635 | 99.703 | 92.430 | 72.634 | 71.754 | 66.372 | 61.570 | 80.636 | 88.836 |
| 168.5 | 102.820 | 97.934 | 90.521 | 71.782 | 71.436 | 66.259 | 61.008 | 77.725 | 86.131 |
| 169.0 | 101.013 | 96.006 | 88.742 | 70.696 | 71.323 | 66.147 | 60.335 | 74.721 | 83.351 |
| 169.5 | 99.478 | 94.087 | 86.365 | 69.676 | 71.014 | 65.801 | 59.698 | 71.632 | 80.440 |
| 170.0 | 97.662 | 92.299 | 84.006 | 68.384 | 70.518 | 65.829 | 59.389 | 68.496 | 77.304 |
| 170.5 | 95.734 | 90.633 | 81.535 | 67.476 | 69.685 | 66.156 | 58.706 | 65.211 | 74.562 |
| 171.0 | 93.928 | 88.911 | 79.036 | 66.475 | 68.562 | 66.596 | 57.817 | 62.338 | 71.772 |
| 171.5 | 91.971 | 87.535 | 76.920 | 65.763 | 67.411 | 67.036 | 57.236 | 59.670 | 69.320 |
| 172.0 | 90.343 | 85.831 | 75.086 | 64.921 | 66.409 | 67.149 | 56.431 | 57.115 | 66.821 |
| 172.5 | 88.705 | 84.259 | 73.205 | 64.088 | 65.557 | 66.849 | 55.860 | 55.233 | 64.284 |
| 173.0 | 86.973 | 82.677 | 71.117 | 63.414 | 65.052 | 66.194 | 55.430 | 53.661 | 62.066 |
| 173.5 | 85.185 | 80.842 | 69.283 | 62.665 | 64.612 | 65.632 | 55.018 | 52.154 | 59.576 |
| 174.0 | 83.632 | 79.139 | 67.345 | 62.122 | 64.575 | 65.398 | 54.681 | 51.003 | 57.442 |
| 174.5 | 81.956 | 77.435 | 65.267 | 61.439 | 64.771 | 65.295 | 54.756 | 49.936 | 55.065 |
| 175.0 | 80.215 | 75.825 | 63.030 | 60.934 | 64.837 | 65.211 | 55.093 | 49.018 | 52.753 |
| 175.5 | 78.858 | 74.300 | 60.803 | 60.297 | 64.781 | 64.996 | 55.524 | 47.970 | 50.338 |
| 176.0 | 77.351 | 72.840 | 58.828 | 59.932 | 64.706 | 64.790 | 56.048 | 46.884 | 48.129 |
| 176.5 | 75.984 | 71.482 | 57.208 | 59.745 | 64.481 | 64.743 | 56.937 | 45.752 | 46.435 |
| 177.0 | 74.187 | 70.275 | 55.992 | 59.623 | 64.303 | 64.809 | 57.873 | 44.469 | 45.096 |
| 177.5 | 72.138 | 69.067 | 54.784 | 59.633 | 64.182 | 64.958 | 58.472 | 43.749 | 43.777 |
| 178.0 | 70.359 | 67.841 | 53.792 | 59.520 | 64.350 | 65.024 | 58.884 | 42.700 | 42.569 |
| 178.5 | 68.478 | 66.465 | 52.950 | 59.174 | 64.565 | 65.118 | 58.940 | 42.148 | 41.596 |
| 179.0 | 66.887 | 65.370 | 51.836 | 58.921 | 64.724 | 65.380 | 59.090 | 41.820 | 40.697 |
| 179.5 | 65.380 | 64.050 | 50.844 | 58.350 | 64.678 | 65.408 | 59.024 | 41.764 | 40.070 |
| 180.0 | 56.478 | 56.478 | 56.478 | 56.478 | 56.478 | 56.478 | 56.478 | 56.478 | 56.478 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLD 6 LIGHT.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 233.36 | N.A. | 7.50 |
| 0-30 | 536.28 | N.A. | 17.30 |
| 0-40 | 901.39 | N.A. | 29.20 |
| 0-60 | 1541.71 | N.A. | 49.90 |
| 0-80 | 2029.69 | N.A. | 65.60 |
| 0-90 | 2214.89 | N.A. | 71.60 |
| 10-90 | 2161.91 | N.A. | 69.90 |
| 20-40 | 668.03 | N.A. | 21.60 |
| 20-50 | 1012.48 | N.A. | 32.70 |
| 40-70 | 901.75 | N.A. | 29.20 |
| 60-80 | 487.98 | N.A. | 15.80 |
| 70-80 | 226.55 | N.A. | 7.30 |
| 80-90 | 185.20 | N.A. | 6.00 |
| 90-110 | 318.24 | N.A. | 10.30 |
| 90-120 | 463.61 | N.A. | 15.00 |
| 90-130 | 595.56 | N.A. | 19.30 |
| 90-150 | 791.82 | N.A. | 25.60 |
| 90-180 | 876.83 | N.A. | 28.40 |
| 110-180 | 558.60 | N.A. | 18.10 |
| 0-180 | 3091.72 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 52.98 |
| 10-20 | 180.38 |
| 20-30 | 302.93 |
| 30-40 | 365.11 |
| 40-50 | 344.45 |
| 50-60 | 295.87 |
| 60-70 | 261.43 |
| 70-80 | 226.55 |
| 80-90 | 185.20 |
| 90-100 | 163.23 |
| 100-110 | 155.01 |
| 110-120 | 145.37 |
| 120-130 | 131.95 |
| 130-140 | 112.07 |
| 140-150 | 84.19 |
| 150-160 | 53.03 |
| 160-170 | 25.63 |
| 170-180 | 6.35 |

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

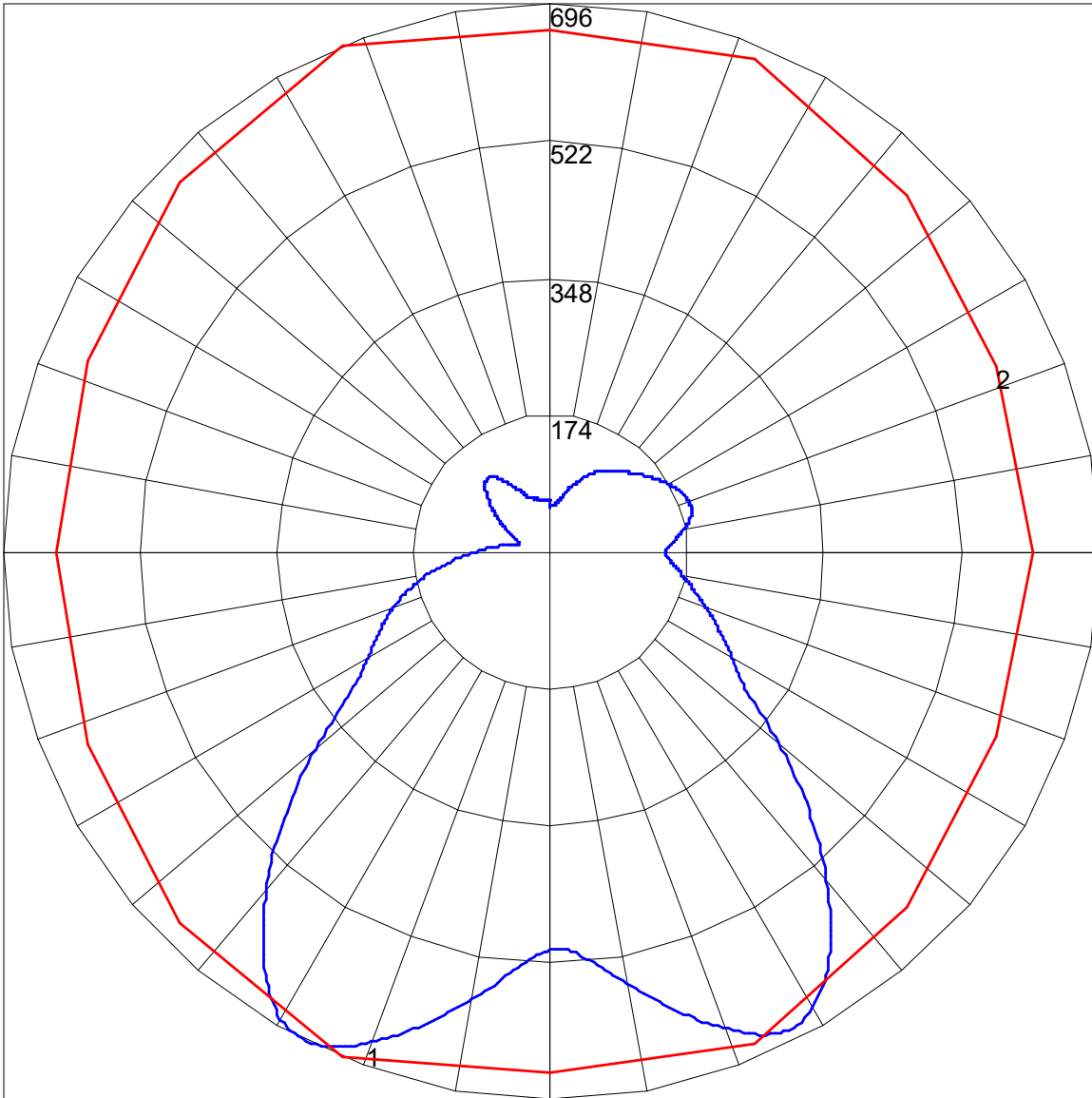
IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLD 6 LIGHT.IES

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 | 12.8 | 13.9 | 13.5 | 14.7 | 15.6 | 11.0 | 12.2 | 11.7 | 12.9 | 13.8 |
| | 3H | 15.1 | 16.2 | 15.9 | 17.0 | 17.9 | 12.4 | 13.5 | 13.1 | 14.2 | 15.2 |
| | 4H | 16.2 | 17.3 | 17.0 | 18.0 | 19.0 | 12.9 | 13.9 | 13.6 | 14.7 | 15.6 |
| | 6H | 17.4 | 18.3 | 18.1 | 19.1 | 20.0 | 13.2 | 14.1 | 14.0 | 14.9 | 15.9 |
| | 8H | 17.9 | 18.8 | 18.7 | 19.6 | 20.5 | 13.3 | 14.2 | 14.1 | 15.0 | 16.0 |
| | 12H | 18.4 | 19.2 | 19.2 | 20.0 | 21.0 | 13.3 | 14.2 | 14.1 | 15.0 | 16.0 |
| 4H | 2H | 13.4 | 14.4 | 14.2 | 15.2 | 16.2 | 12.1 | 13.1 | 12.8 | 13.9 | 14.8 |
| | 3H | 16.1 | 16.9 | 16.8 | 17.7 | 18.7 | 13.8 | 14.7 | 14.6 | 15.5 | 16.5 |
| | 4H | 17.4 | 18.2 | 18.2 | 19.0 | 20.0 | 14.6 | 15.4 | 15.4 | 16.2 | 17.2 |
| | 6H | 18.7 | 19.4 | 19.5 | 20.2 | 21.2 | 15.1 | 15.8 | 15.9 | 16.6 | 17.6 |
| | 8H | 19.3 | 20.0 | 20.1 | 20.8 | 21.8 | 15.3 | 15.9 | 16.1 | 16.8 | 17.8 |
| | 12H | 19.9 | 20.5 | 20.7 | 21.4 | 22.4 | 15.4 | 16.0 | 16.2 | 16.8 | 17.9 |
| 8H | 4H | 17.8 | 18.5 | 18.6 | 19.3 | 20.3 | 15.5 | 16.1 | 16.3 | 17.0 | 18.0 |
| | 6H | 19.4 | 19.9 | 20.2 | 20.8 | 21.8 | 16.3 | 16.9 | 17.1 | 17.7 | 18.8 |
| | 8H | 20.2 | 20.7 | 21.0 | 21.5 | 22.6 | 16.6 | 17.1 | 17.5 | 18.0 | 19.0 |
| | 12H | 20.9 | 21.4 | 21.8 | 22.3 | 23.4 | 16.9 | 17.3 | 17.7 | 18.2 | 19.3 |
| 12H | 4H | 17.9 | 18.5 | 18.7 | 19.3 | 20.4 | 15.7 | 16.3 | 16.6 | 17.2 | 18.2 |
| | 6H | 19.5 | 20.0 | 20.4 | 20.9 | 21.9 | 16.7 | 17.2 | 17.5 | 18.1 | 19.1 |
| | 8H | 20.4 | 20.8 | 21.2 | 21.7 | 22.8 | 17.1 | 17.6 | 18.0 | 18.5 | 19.5 |

Maximum UGR = 23.4

POLAR GRAPH



Maximum Candela = 696.487 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.)