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IES INDOOR REPORT
PHOTOMETRIC FILENAME : ALR 2 LIGHT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 18097-A
[TESTLAB] LightLab International (www.LightLabInternational.com)
[MANUFAC] Justice Design Group, Los Angeles, CA 90071
[LUMCAT] Alabaster Rocks (ALR) 2-Light Bath Bar
[LUMINAIRE] Justice Design Group - Wall mount bathroom luminaire. Product ID: ALR 2-Light
[MORE] Steel formed housing and two shaved alabaster rock in resin cast lenses.
[MORE] 20 LEDs mounted in two circular arrays with white plastic dome lenses.
[MORE] No driver.
[MORE] Operating at 120 VAC and 60 Hz.
[MORE] Simulated data from test of one and six lamp fixtures.
[ISSUE DATE] April 20, 2018

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 904 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 60 |
| Total Luminaire Watts | 14.98 |
| Ballast Factor | 1.00 |
| CIE Type | Semi-Direct |
| Spacing Criterion (0-180) | 1.56 |
| Spacing Criterion (90-270) | 1.74 |
| Spacing Criterion (Diagonal) | 1.54 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 0.08 m |
| Luminous Width (90-270) | 0.33 m |
| Luminous Height | 0.14 m |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45 | 2419 | 2589 | 5170 |
| 55 | 2040 | 2030 | 3562 |
| 65 | 1824 | 1749 | 2852 |
| 75 | 1694 | 1573 | 2716 |
| 85 | 1631 | 1480 | 2764 |

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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 | 141.679 | 141.679 | 141.679 | 141.679 | 141.679 | 141.679 | 141.679 | 141.679 | 141.679 |
| 0.5 | 140.307 | 140.716 | 141.255 | 141.320 | 141.777 | 142.349 | 142.790 | 142.822 | 142.839 |
| 1.0 | 140.667 | 141.140 | 141.369 | 141.467 | 141.957 | 142.871 | 143.573 | 143.851 | 144.063 |
| 1.5 | 141.793 | 142.071 | 142.071 | 141.826 | 142.430 | 143.622 | 144.651 | 145.304 | 145.566 |
| 2.0 | 143.051 | 143.165 | 143.083 | 142.381 | 142.985 | 144.439 | 145.909 | 146.921 | 147.248 |
| 2.5 | 144.586 | 144.684 | 144.259 | 143.214 | 143.688 | 145.419 | 147.329 | 148.701 | 149.077 |
| 3.0 | 146.415 | 146.105 | 145.566 | 144.194 | 144.406 | 146.431 | 148.930 | 150.465 | 150.971 |
| 3.5 | 148.260 | 147.819 | 147.019 | 145.190 | 145.239 | 147.476 | 150.416 | 152.310 | 153.110 |
| 4.0 | 150.171 | 149.713 | 148.374 | 146.300 | 146.072 | 148.701 | 152.065 | 154.188 | 154.972 |
| 4.5 | 152.098 | 151.428 | 149.942 | 147.346 | 146.970 | 149.926 | 153.665 | 156.147 | 157.062 |
| 5.0 | 153.910 | 153.388 | 151.461 | 148.472 | 147.819 | 151.134 | 155.168 | 157.944 | 159.038 |
| 5.5 | 155.739 | 155.102 | 152.979 | 149.730 | 148.750 | 152.343 | 156.817 | 159.936 | 160.997 |
| 6.0 | 157.846 | 156.997 | 154.531 | 150.938 | 149.681 | 153.649 | 158.548 | 161.912 | 163.284 |
| 6.5 | 159.740 | 158.826 | 156.196 | 152.114 | 150.546 | 154.890 | 160.165 | 163.823 | 165.096 |
| 7.0 | 161.634 | 160.589 | 157.764 | 153.371 | 151.542 | 156.147 | 161.896 | 165.815 | 167.187 |
| 7.5 | 163.512 | 162.565 | 159.364 | 154.612 | 152.522 | 157.454 | 163.627 | 167.758 | 169.211 |
| 8.0 | 165.292 | 164.378 | 161.014 | 155.805 | 153.502 | 158.744 | 165.260 | 169.652 | 171.155 |
| 8.5 | 167.121 | 166.256 | 162.598 | 157.062 | 154.400 | 160.050 | 166.974 | 171.547 | 173.098 |
| 9.0 | 169.179 | 168.003 | 164.214 | 158.319 | 155.445 | 161.340 | 168.738 | 173.376 | 175.041 |
| 9.5 | 171.106 | 169.816 | 165.864 | 159.544 | 156.507 | 162.663 | 170.257 | 175.156 | 176.985 |
| 10.0 | 172.951 | 171.710 | 167.431 | 160.818 | 157.421 | 163.888 | 171.890 | 177.132 | 178.895 |
| 10.5 | 174.780 | 173.702 | 169.081 | 162.141 | 158.401 | 165.211 | 173.588 | 178.944 | 180.822 |
| 11.0 | 176.870 | 175.417 | 170.665 | 163.398 | 159.381 | 166.517 | 175.156 | 180.757 | 182.733 |
| 11.5 | 178.830 | 177.246 | 172.216 | 164.770 | 160.377 | 167.823 | 176.805 | 182.504 | 184.513 |
| 12.0 | 180.642 | 179.124 | 173.866 | 166.027 | 161.373 | 169.130 | 178.405 | 184.382 | 186.358 |
| 12.5 | 182.128 | 180.806 | 175.580 | 167.252 | 162.337 | 170.485 | 179.973 | 186.015 | 188.171 |
| 13.0 | 183.174 | 182.455 | 177.099 | 168.526 | 163.267 | 171.743 | 181.557 | 187.811 | 189.787 |
| 13.5 | 183.827 | 183.761 | 178.781 | 169.767 | 164.280 | 173.065 | 183.092 | 189.461 | 191.143 |
| 14.0 | 184.039 | 184.594 | 180.283 | 170.910 | 165.260 | 174.290 | 184.594 | 190.963 | 192.041 |
| 14.5 | 184.545 | 185.280 | 181.867 | 172.200 | 166.125 | 175.548 | 186.080 | 192.188 | 192.531 |
| 15.0 | 184.921 | 185.721 | 183.353 | 173.441 | 167.203 | 176.789 | 187.648 | 193.070 | 192.743 |
| 15.5 | 185.297 | 186.064 | 184.774 | 174.698 | 168.183 | 177.964 | 189.069 | 193.413 | 192.678 |
| 16.0 | 185.427 | 186.505 | 185.982 | 175.939 | 169.016 | 179.222 | 190.489 | 193.625 | 192.580 |
| 16.5 | 185.590 | 186.554 | 187.076 | 177.099 | 169.914 | 180.430 | 191.943 | 193.592 | 192.351 |
| 17.0 | 185.607 | 186.668 | 188.024 | 178.275 | 170.975 | 181.557 | 193.233 | 193.429 | 192.008 |
| 17.5 | 185.819 | 186.913 | 188.775 | 179.499 | 171.824 | 182.684 | 194.343 | 193.249 | 191.878 |
| 18.0 | 185.705 | 186.881 | 189.248 | 180.626 | 172.722 | 183.892 | 195.339 | 192.939 | 191.437 |
| 18.5 | 185.819 | 186.864 | 189.657 | 181.769 | 173.670 | 184.986 | 195.960 | 192.645 | 190.996 |
| 19.0 | 185.786 | 186.946 | 189.836 | 182.912 | 174.584 | 186.146 | 196.303 | 192.318 | 190.571 |
| 19.5 | 185.541 | 186.701 | 189.967 | 184.072 | 175.499 | 187.207 | 196.434 | 191.959 | 190.081 |
| 20.0 | 185.231 | 186.636 | 190.016 | 185.101 | 176.364 | 188.367 | 196.368 | 191.469 | 189.689 |
| 20.5 | 184.970 | 186.489 | 190.000 | 186.244 | 177.327 | 189.412 | 196.189 | 191.045 | 189.118 |
| 21.0 | 184.366 | 186.080 | 189.934 | 187.272 | 178.209 | 190.506 | 195.927 | 190.555 | 188.579 |
| 21.5 | 184.039 | 185.672 | 189.804 | 188.350 | 179.124 | 191.584 | 195.584 | 189.951 | 188.040 |
| 22.0 | 183.713 | 185.362 | 189.591 | 189.330 | 180.038 | 192.563 | 195.225 | 189.395 | 187.338 |
| 22.5 | 183.174 | 184.823 | 189.379 | 190.261 | 180.969 | 193.608 | 194.866 | 188.709 | 186.505 |
| 23.0 | 182.651 | 184.186 | 189.150 | 191.077 | 181.835 | 194.523 | 194.360 | 187.991 | 185.819 |
| 23.5 | 181.900 | 183.435 | 188.693 | 191.649 | 182.602 | 195.486 | 193.788 | 187.305 | 184.888 |
| 24.0 | 181.181 | 182.651 | 188.285 | 192.139 | 183.517 | 196.385 | 193.233 | 186.374 | 183.941 |
| 24.5 | 180.561 | 182.014 | 187.811 | 192.563 | 184.317 | 197.266 | 192.612 | 185.346 | 183.092 |
| 25.0 | 179.810 | 181.149 | 187.158 | 192.906 | 185.133 | 198.034 | 191.910 | 184.480 | 182.128 |
| 25.5 | 178.977 | 180.332 | 186.538 | 193.168 | 185.950 | 198.622 | 191.241 | 183.435 | 181.034 |
| 26.0 | 178.062 | 179.401 | 185.770 | 193.233 | 186.652 | 199.144 | 190.359 | 182.308 | 179.989 |
| 26.5 | 177.197 | 178.438 | 184.970 | 193.429 | 187.403 | 199.471 | 189.559 | 181.230 | 178.748 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 27.0 | 176.005 | 177.376 | 184.072 | 193.364 | 188.089 | 199.618 | 188.660 | 179.973 | 177.572 |
| 27.5 | 175.188 | 176.478 | 183.141 | 193.233 | 188.758 | 199.651 | 187.599 | 178.814 | 176.364 |
| 28.0 | 173.980 | 175.384 | 182.047 | 192.923 | 189.379 | 199.520 | 186.538 | 177.523 | 175.058 |
| 28.5 | 172.820 | 174.110 | 180.936 | 192.580 | 190.081 | 199.128 | 185.378 | 176.201 | 173.653 |
| 29.0 | 171.710 | 172.902 | 179.842 | 191.959 | 190.767 | 198.622 | 184.121 | 174.780 | 172.249 |
| 29.5 | 170.485 | 171.759 | 178.601 | 191.322 | 191.388 | 197.936 | 182.847 | 173.359 | 170.812 |
| 30.0 | 169.260 | 170.502 | 177.278 | 190.538 | 191.894 | 197.070 | 181.475 | 171.906 | 169.228 |
| 30.5 | 167.725 | 169.195 | 175.923 | 189.575 | 192.547 | 196.140 | 179.940 | 170.338 | 167.578 |
| 31.0 | 166.517 | 167.987 | 174.502 | 188.726 | 193.053 | 195.095 | 178.454 | 168.738 | 166.027 |
| 31.5 | 165.211 | 166.599 | 173.131 | 187.713 | 193.625 | 193.951 | 176.887 | 167.170 | 164.280 |
| 32.0 | 163.659 | 165.145 | 171.759 | 186.538 | 194.180 | 192.629 | 175.286 | 165.521 | 162.647 |
| 32.5 | 162.255 | 163.774 | 170.142 | 185.394 | 194.507 | 191.175 | 173.604 | 163.757 | 160.720 |
| 33.0 | 160.736 | 162.239 | 168.640 | 184.039 | 194.915 | 189.591 | 171.971 | 161.961 | 158.940 |
| 33.5 | 158.989 | 160.834 | 167.121 | 182.602 | 195.225 | 188.040 | 170.273 | 160.116 | 156.817 |
| 34.0 | 157.568 | 159.218 | 165.439 | 181.247 | 195.127 | 186.178 | 168.444 | 158.336 | 155.021 |
| 34.5 | 156.049 | 157.650 | 163.872 | 179.565 | 194.882 | 184.398 | 166.664 | 156.441 | 153.045 |
| 35.0 | 154.253 | 156.000 | 162.173 | 177.883 | 194.066 | 182.537 | 164.721 | 154.514 | 150.938 |
| 35.5 | 152.653 | 154.482 | 160.540 | 176.152 | 192.955 | 180.610 | 162.892 | 152.571 | 148.864 |
| 36.0 | 150.955 | 152.702 | 158.777 | 174.339 | 191.518 | 178.569 | 160.981 | 150.465 | 146.888 |
| 36.5 | 149.158 | 151.036 | 157.127 | 172.379 | 189.820 | 176.625 | 159.038 | 148.538 | 144.716 |
| 37.0 | 147.574 | 149.371 | 155.364 | 170.371 | 187.681 | 174.437 | 157.046 | 146.513 | 142.643 |
| 37.5 | 145.876 | 147.623 | 153.502 | 168.330 | 185.003 | 172.298 | 155.021 | 144.357 | 140.438 |
| 38.0 | 144.080 | 145.827 | 151.804 | 166.288 | 182.047 | 170.142 | 153.028 | 142.234 | 138.266 |
| 38.5 | 142.349 | 144.047 | 149.942 | 164.100 | 178.977 | 167.872 | 150.857 | 139.997 | 136.160 |
| 39.0 | 140.601 | 142.349 | 148.162 | 161.928 | 175.809 | 165.701 | 148.799 | 137.874 | 134.020 |
| 39.5 | 138.936 | 140.520 | 146.317 | 159.675 | 172.641 | 163.414 | 146.660 | 135.637 | 131.767 |
| 40.0 | 137.499 | 138.772 | 144.423 | 157.438 | 169.456 | 161.161 | 144.553 | 133.449 | 129.660 |
| 40.5 | 135.833 | 136.992 | 142.528 | 155.233 | 166.435 | 158.842 | 142.316 | 131.244 | 127.472 |
| 41.0 | 134.151 | 135.278 | 140.683 | 152.914 | 163.414 | 156.572 | 140.144 | 129.040 | 125.365 |
| 41.5 | 132.894 | 133.596 | 138.707 | 150.759 | 160.491 | 154.253 | 137.891 | 126.802 | 123.340 |
| 42.0 | 131.522 | 131.914 | 136.780 | 148.489 | 157.780 | 151.934 | 135.670 | 124.614 | 121.299 |
| 42.5 | 130.379 | 130.248 | 134.804 | 146.202 | 154.988 | 149.566 | 133.351 | 122.459 | 119.340 |
| 43.0 | 129.399 | 128.697 | 132.877 | 143.949 | 152.359 | 147.248 | 131.032 | 120.352 | 117.298 |
| 43.5 | 128.550 | 127.358 | 130.885 | 141.581 | 149.893 | 144.814 | 128.762 | 118.327 | 115.600 |
| 44.0 | 127.848 | 126.002 | 128.958 | 139.262 | 147.427 | 142.365 | 126.345 | 116.188 | 113.951 |
| 44.5 | 126.802 | 124.957 | 127.015 | 137.074 | 145.043 | 139.964 | 124.010 | 114.310 | 112.399 |
| 45.0 | 125.937 | 123.945 | 125.022 | 134.608 | 142.659 | 137.417 | 121.642 | 112.497 | 111.142 |
| 45.5 | 125.120 | 122.981 | 123.194 | 132.338 | 140.438 | 135.000 | 119.405 | 110.848 | 109.901 |
| 46.0 | 124.222 | 122.181 | 121.283 | 130.019 | 138.086 | 132.420 | 117.086 | 109.313 | 108.725 |
| 46.5 | 123.275 | 121.267 | 119.421 | 127.701 | 135.882 | 129.840 | 114.784 | 107.974 | 107.484 |
| 47.0 | 122.312 | 120.303 | 117.690 | 125.251 | 133.514 | 127.276 | 112.399 | 106.733 | 106.227 |
| 47.5 | 121.463 | 119.454 | 115.894 | 122.900 | 131.114 | 124.631 | 110.228 | 105.492 | 104.969 |
| 48.0 | 120.597 | 118.588 | 114.359 | 120.548 | 128.713 | 122.001 | 108.056 | 104.316 | 103.663 |
| 48.5 | 119.650 | 117.592 | 112.857 | 118.066 | 126.231 | 119.291 | 105.884 | 103.075 | 102.569 |
| 49.0 | 118.882 | 116.711 | 111.567 | 115.747 | 123.700 | 116.711 | 103.891 | 101.883 | 101.393 |
| 49.5 | 118.001 | 115.796 | 110.244 | 113.298 | 121.103 | 114.016 | 101.965 | 100.658 | 100.168 |
| 50.0 | 117.135 | 114.931 | 109.084 | 110.930 | 118.458 | 111.452 | 100.266 | 99.531 | 99.074 |
| 50.5 | 116.270 | 114.000 | 107.892 | 108.660 | 115.682 | 108.790 | 98.666 | 98.307 | 97.931 |
| 51.0 | 115.486 | 113.167 | 106.880 | 106.439 | 112.906 | 106.112 | 97.212 | 97.196 | 96.723 |
| 51.5 | 114.767 | 112.220 | 105.965 | 103.957 | 110.113 | 103.516 | 95.922 | 96.004 | 95.694 |
| 52.0 | 113.820 | 111.452 | 105.149 | 101.785 | 107.157 | 100.936 | 94.698 | 94.975 | 94.632 |
| 52.5 | 113.167 | 110.603 | 104.234 | 99.597 | 104.136 | 98.388 | 93.653 | 93.849 | 93.555 |
| 53.0 | 112.350 | 109.721 | 103.369 | 97.343 | 101.279 | 95.873 | 92.477 | 92.689 | 92.493 |
| 53.5 | 111.665 | 108.921 | 102.471 | 95.400 | 98.323 | 93.489 | 91.383 | 91.840 | 91.415 |
| 54.0 | 110.962 | 108.203 | 101.638 | 93.391 | 95.433 | 91.121 | 90.338 | 90.664 | 90.452 |
| 54.5 | 110.032 | 107.353 | 100.756 | 91.562 | 92.689 | 88.950 | 89.276 | 89.668 | 89.570 |

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CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 55.0 | 109.297 | 106.700 | 99.907 | 89.913 | 89.897 | 86.745 | 88.231 | 88.623 | 88.525 |
| 55.5 | 108.807 | 105.965 | 99.041 | 88.541 | 87.268 | 84.687 | 87.186 | 87.676 | 87.659 |
| 56.0 | 108.137 | 105.214 | 98.241 | 87.137 | 84.622 | 82.956 | 86.141 | 86.712 | 86.680 |
| 56.5 | 107.468 | 104.463 | 97.343 | 86.010 | 82.156 | 81.307 | 85.128 | 85.781 | 85.733 |
| 57.0 | 106.896 | 103.859 | 96.543 | 84.802 | 79.854 | 80.050 | 84.181 | 84.818 | 84.851 |
| 57.5 | 106.210 | 103.042 | 95.743 | 83.659 | 77.568 | 79.054 | 83.201 | 83.887 | 83.969 |
| 58.0 | 105.671 | 102.389 | 94.894 | 82.826 | 75.445 | 78.237 | 82.156 | 83.005 | 83.071 |
| 58.5 | 104.920 | 101.785 | 94.175 | 82.189 | 73.583 | 77.372 | 81.225 | 82.091 | 82.124 |
| 59.0 | 104.414 | 101.099 | 93.424 | 81.421 | 71.999 | 76.571 | 80.311 | 81.160 | 81.291 |
| 59.5 | 103.777 | 100.446 | 92.640 | 80.752 | 70.693 | 75.788 | 79.331 | 80.360 | 80.540 |
| 60.0 | 103.091 | 99.842 | 91.922 | 80.050 | 69.713 | 74.971 | 78.482 | 79.478 | 79.592 |
| 60.5 | 102.487 | 99.221 | 91.219 | 79.331 | 68.896 | 74.106 | 77.568 | 78.564 | 78.858 |
| 61.0 | 101.948 | 98.584 | 90.485 | 78.580 | 68.227 | 73.256 | 76.637 | 77.763 | 77.910 |
| 61.5 | 101.507 | 98.029 | 89.652 | 77.910 | 67.623 | 72.456 | 75.820 | 76.914 | 77.208 |
| 62.0 | 100.854 | 97.376 | 89.031 | 77.078 | 67.051 | 71.672 | 74.922 | 76.098 | 76.310 |
| 62.5 | 100.250 | 96.755 | 88.329 | 76.408 | 66.381 | 70.823 | 74.122 | 75.298 | 75.461 |
| 63.0 | 99.727 | 96.151 | 87.594 | 75.673 | 65.745 | 70.007 | 73.305 | 74.383 | 74.759 |
| 63.5 | 99.041 | 95.547 | 86.941 | 74.955 | 65.091 | 69.190 | 72.473 | 73.681 | 73.893 |
| 64.0 | 98.503 | 95.024 | 86.337 | 74.269 | 64.422 | 68.455 | 71.607 | 72.897 | 73.158 |
| 64.5 | 98.111 | 94.436 | 85.618 | 73.501 | 63.736 | 67.623 | 70.856 | 72.146 | 72.358 |
| 65.0 | 97.555 | 93.849 | 85.079 | 72.815 | 63.083 | 66.871 | 70.056 | 71.329 | 71.607 |
| 65.5 | 96.935 | 93.277 | 84.344 | 72.162 | 62.397 | 66.006 | 69.174 | 70.660 | 70.840 |
| 66.0 | 96.396 | 92.771 | 83.757 | 71.444 | 61.727 | 65.271 | 68.439 | 69.876 | 70.105 |
| 66.5 | 95.922 | 92.150 | 83.103 | 70.693 | 61.074 | 64.520 | 67.623 | 69.109 | 69.419 |
| 67.0 | 95.416 | 91.677 | 82.467 | 70.137 | 60.290 | 63.703 | 66.790 | 68.341 | 68.651 |
| 67.5 | 94.812 | 91.105 | 81.813 | 69.451 | 59.686 | 62.903 | 66.120 | 67.623 | 67.900 |
| 68.0 | 94.289 | 90.517 | 81.242 | 68.668 | 59.049 | 62.266 | 65.385 | 66.871 | 67.231 |
| 68.5 | 93.832 | 89.978 | 80.654 | 68.063 | 58.331 | 61.417 | 64.618 | 66.218 | 66.594 |
| 69.0 | 93.359 | 89.505 | 80.017 | 67.394 | 57.629 | 60.764 | 63.948 | 65.483 | 65.745 |
| 69.5 | 92.836 | 88.950 | 79.445 | 66.675 | 56.975 | 60.062 | 63.197 | 64.781 | 65.091 |
| 70.0 | 92.379 | 88.476 | 78.809 | 66.088 | 56.273 | 59.262 | 62.528 | 64.095 | 64.471 |
| 70.5 | 91.775 | 87.921 | 78.172 | 65.451 | 55.587 | 58.559 | 61.809 | 63.442 | 63.622 |
| 71.0 | 91.252 | 87.398 | 77.714 | 64.716 | 54.918 | 57.857 | 61.091 | 62.691 | 63.050 |
| 71.5 | 90.844 | 86.990 | 77.143 | 64.144 | 54.265 | 57.155 | 60.388 | 62.054 | 62.381 |
| 72.0 | 90.370 | 86.451 | 76.539 | 63.475 | 53.628 | 56.404 | 59.735 | 61.352 | 61.727 |
| 72.5 | 89.929 | 85.945 | 76.032 | 62.789 | 52.958 | 55.751 | 59.049 | 60.731 | 61.042 |
| 73.0 | 89.390 | 85.455 | 75.477 | 62.250 | 52.305 | 55.048 | 58.412 | 60.029 | 60.405 |
| 73.5 | 88.884 | 84.998 | 74.906 | 61.580 | 51.652 | 54.346 | 57.710 | 59.425 | 59.735 |
| 74.0 | 88.541 | 84.459 | 74.383 | 60.927 | 51.031 | 53.677 | 57.090 | 58.772 | 59.131 |
| 74.5 | 88.166 | 83.953 | 73.795 | 60.388 | 50.329 | 52.991 | 56.436 | 58.135 | 58.461 |
| 75.0 | 87.627 | 83.544 | 73.289 | 59.817 | 49.758 | 52.387 | 55.832 | 57.547 | 57.792 |
| 75.5 | 87.088 | 83.038 | 72.832 | 59.164 | 49.137 | 51.766 | 55.179 | 56.845 | 57.188 |
| 76.0 | 86.647 | 82.581 | 72.326 | 58.608 | 48.467 | 51.064 | 54.526 | 56.241 | 56.534 |
| 76.5 | 86.124 | 82.124 | 71.754 | 58.053 | 47.831 | 50.492 | 53.905 | 55.620 | 55.963 |
| 77.0 | 85.602 | 81.634 | 71.346 | 57.465 | 47.275 | 49.872 | 53.252 | 55.048 | 55.375 |
| 77.5 | 85.341 | 81.242 | 70.807 | 56.861 | 46.622 | 49.186 | 52.664 | 54.395 | 54.836 |
| 78.0 | 84.851 | 80.752 | 70.235 | 56.339 | 46.083 | 48.631 | 52.076 | 53.791 | 54.183 |
| 78.5 | 84.295 | 80.262 | 69.827 | 55.685 | 45.446 | 48.027 | 51.488 | 53.203 | 53.611 |
| 79.0 | 84.002 | 79.805 | 69.337 | 55.212 | 44.859 | 47.373 | 50.868 | 52.632 | 52.909 |
| 79.5 | 83.430 | 79.364 | 68.782 | 54.722 | 44.271 | 46.769 | 50.280 | 52.011 | 52.370 |
| 80.0 | 83.169 | 78.907 | 68.374 | 54.085 | 43.715 | 46.181 | 49.692 | 51.440 | 51.799 |
| 80.5 | 82.695 | 78.515 | 67.851 | 53.595 | 43.193 | 45.610 | 49.072 | 50.917 | 51.293 |
| 81.0 | 82.222 | 78.090 | 67.378 | 53.073 | 42.621 | 45.022 | 48.582 | 50.313 | 50.623 |
| 81.5 | 81.911 | 77.584 | 66.953 | 52.550 | 42.148 | 44.532 | 48.027 | 49.774 | 50.084 |
| 82.0 | 81.372 | 77.159 | 66.447 | 52.093 | 41.609 | 43.944 | 47.406 | 49.284 | 49.578 |
| 82.5 | 81.013 | 76.816 | 65.941 | 51.619 | 41.054 | 43.340 | 46.883 | 48.729 | 49.039 |

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : ALR 2 LIGHT.IES**

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 83.0 | 80.474 | 76.310 | 65.549 | 51.080 | 40.515 | 42.850 | 46.361 | 48.174 | 48.467 |
| 83.5 | 80.082 | 75.951 | 65.108 | 50.590 | 40.025 | 42.344 | 45.806 | 47.602 | 47.896 |
| 84.0 | 79.739 | 75.559 | 64.618 | 50.182 | 39.519 | 41.788 | 45.316 | 47.128 | 47.357 |
| 84.5 | 79.315 | 75.085 | 64.259 | 49.660 | 39.045 | 41.266 | 44.761 | 46.541 | 46.802 |
| 85.0 | 78.972 | 74.661 | 63.834 | 49.235 | 38.604 | 40.743 | 44.287 | 46.067 | 46.410 |
| 85.5 | 78.596 | 74.269 | 63.360 | 48.794 | 38.082 | 40.188 | 43.830 | 45.544 | 45.838 |
| 86.0 | 78.204 | 73.861 | 62.952 | 48.320 | 37.657 | 39.747 | 43.242 | 44.924 | 45.430 |
| 86.5 | 77.796 | 73.534 | 62.626 | 47.912 | 37.183 | 39.241 | 42.752 | 44.467 | 44.761 |
| 87.0 | 77.355 | 73.126 | 62.152 | 47.602 | 36.759 | 38.767 | 42.311 | 44.042 | 44.303 |
| 87.5 | 76.996 | 72.701 | 61.809 | 47.112 | 36.432 | 38.327 | 41.821 | 43.503 | 43.879 |
| 88.0 | 76.653 | 72.456 | 61.466 | 46.802 | 35.942 | 37.886 | 41.397 | 43.062 | 43.340 |
| 88.5 | 76.277 | 72.081 | 61.091 | 46.459 | 35.648 | 37.445 | 40.939 | 42.621 | 42.866 |
| 89.0 | 76.212 | 71.868 | 60.813 | 46.083 | 35.305 | 37.134 | 40.498 | 42.115 | 42.327 |
| 89.5 | 76.245 | 71.852 | 60.813 | 46.051 | 35.061 | 36.808 | 40.090 | 41.707 | 41.919 |
| 90.0 | 76.098 | 71.950 | 60.927 | 46.116 | 35.191 | 36.726 | 39.927 | 41.462 | 41.642 |
| 90.5 | 76.343 | 72.048 | 60.944 | 46.165 | 35.191 | 36.759 | 39.829 | 41.331 | 41.560 |
| 91.0 | 76.555 | 72.113 | 61.042 | 46.263 | 35.158 | 36.759 | 39.747 | 41.266 | 41.478 |
| 91.5 | 76.620 | 72.309 | 61.123 | 46.361 | 35.273 | 36.775 | 39.731 | 41.233 | 41.331 |
| 92.0 | 76.751 | 72.293 | 61.286 | 46.328 | 35.289 | 36.775 | 39.649 | 41.103 | 41.282 |
| 92.5 | 76.849 | 72.424 | 61.352 | 46.459 | 35.387 | 36.726 | 39.584 | 40.972 | 41.168 |
| 93.0 | 76.980 | 72.538 | 61.352 | 46.573 | 35.354 | 36.628 | 39.584 | 40.923 | 41.103 |
| 93.5 | 77.176 | 72.620 | 61.580 | 46.622 | 35.518 | 36.645 | 39.584 | 40.858 | 40.988 |
| 94.0 | 77.257 | 72.783 | 61.646 | 46.753 | 35.485 | 36.612 | 39.437 | 40.792 | 40.858 |
| 94.5 | 77.372 | 72.832 | 61.744 | 46.785 | 35.567 | 36.530 | 39.486 | 40.678 | 40.662 |
| 95.0 | 77.616 | 72.946 | 61.809 | 46.867 | 35.567 | 36.530 | 39.372 | 40.449 | 40.547 |
| 95.5 | 77.584 | 73.126 | 61.891 | 46.965 | 35.616 | 36.514 | 39.290 | 40.384 | 40.498 |
| 96.0 | 77.780 | 73.207 | 62.005 | 47.030 | 35.648 | 36.481 | 39.208 | 40.302 | 40.286 |
| 96.5 | 77.878 | 73.289 | 62.201 | 47.079 | 35.746 | 36.432 | 39.110 | 40.123 | 40.188 |
| 97.0 | 77.992 | 73.403 | 62.168 | 47.194 | 35.730 | 36.400 | 39.061 | 40.009 | 39.976 |
| 97.5 | 78.074 | 73.501 | 62.266 | 47.324 | 35.746 | 36.318 | 39.012 | 39.976 | 39.894 |
| 98.0 | 78.253 | 73.518 | 62.381 | 47.308 | 35.877 | 36.351 | 38.865 | 39.813 | 39.764 |
| 98.5 | 78.270 | 73.665 | 62.462 | 47.455 | 35.893 | 36.253 | 38.816 | 39.698 | 39.600 |
| 99.0 | 78.368 | 73.763 | 62.462 | 47.586 | 35.942 | 36.155 | 38.784 | 39.568 | 39.470 |
| 99.5 | 78.482 | 73.795 | 62.577 | 47.537 | 35.975 | 36.155 | 38.604 | 39.437 | 39.241 |
| 100.0 | 78.515 | 73.877 | 62.626 | 47.635 | 36.057 | 36.089 | 38.571 | 39.323 | 39.143 |
| 100.5 | 78.645 | 73.893 | 62.642 | 47.716 | 36.073 | 36.040 | 38.522 | 39.159 | 38.980 |
| 101.0 | 78.629 | 73.942 | 62.707 | 47.814 | 36.155 | 35.975 | 38.424 | 38.980 | 38.816 |
| 101.5 | 78.809 | 73.975 | 62.773 | 47.847 | 36.187 | 35.861 | 38.310 | 38.882 | 38.588 |
| 102.0 | 78.743 | 74.024 | 62.756 | 47.929 | 36.318 | 35.828 | 38.196 | 38.702 | 38.522 |
| 102.5 | 78.792 | 74.024 | 62.773 | 47.945 | 36.318 | 35.779 | 38.049 | 38.539 | 38.359 |
| 103.0 | 78.809 | 74.073 | 62.805 | 48.010 | 36.416 | 35.648 | 37.918 | 38.408 | 38.212 |
| 103.5 | 78.809 | 74.089 | 62.773 | 48.108 | 36.383 | 35.599 | 37.820 | 38.310 | 37.918 |
| 104.0 | 78.939 | 74.106 | 62.707 | 48.010 | 36.416 | 35.518 | 37.673 | 38.147 | 37.853 |
| 104.5 | 78.972 | 74.171 | 62.724 | 48.108 | 36.449 | 35.420 | 37.477 | 37.951 | 37.592 |
| 105.0 | 78.825 | 74.187 | 62.691 | 48.157 | 36.547 | 35.322 | 37.298 | 37.837 | 37.412 |
| 105.5 | 78.907 | 74.089 | 62.675 | 48.059 | 36.579 | 35.240 | 37.118 | 37.624 | 37.200 |
| 106.0 | 78.972 | 74.106 | 62.724 | 48.092 | 36.530 | 35.175 | 36.938 | 37.396 | 37.069 |
| 106.5 | 78.939 | 74.138 | 62.691 | 48.092 | 36.579 | 35.093 | 36.775 | 37.232 | 36.857 |
| 107.0 | 78.988 | 74.138 | 62.642 | 48.076 | 36.530 | 35.028 | 36.579 | 36.987 | 36.694 |
| 107.5 | 78.939 | 74.089 | 62.626 | 48.059 | 36.530 | 34.930 | 36.416 | 36.791 | 36.416 |
| 108.0 | 78.939 | 74.073 | 62.593 | 48.141 | 36.579 | 34.734 | 36.236 | 36.465 | 36.138 |
| 108.5 | 78.972 | 74.057 | 62.626 | 48.059 | 36.514 | 34.701 | 36.073 | 36.269 | 35.844 |
| 109.0 | 78.825 | 74.040 | 62.544 | 48.059 | 36.547 | 34.522 | 35.893 | 35.991 | 35.665 |
| 109.5 | 78.874 | 73.926 | 62.462 | 47.994 | 36.465 | 34.473 | 35.714 | 35.779 | 35.256 |
| 110.0 | 78.792 | 73.942 | 62.413 | 47.994 | 36.514 | 34.391 | 35.534 | 35.452 | 35.126 |
| 110.5 | 78.809 | 73.812 | 62.413 | 47.978 | 36.449 | 34.293 | 35.305 | 35.289 | 34.718 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ALR 2 LIGHT.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 111.0 | 78.711 | 73.828 | 62.348 | 48.027 | 36.465 | 34.195 | 35.158 | 35.012 | 34.424 |
| 111.5 | 78.662 | 73.779 | 62.348 | 47.961 | 36.383 | 34.113 | 34.897 | 34.783 | 34.277 |
| 112.0 | 78.466 | 73.746 | 62.283 | 47.945 | 36.367 | 33.950 | 34.734 | 34.489 | 33.917 |
| 112.5 | 78.515 | 73.681 | 62.152 | 47.896 | 36.400 | 33.901 | 34.587 | 34.260 | 33.591 |
| 113.0 | 78.482 | 73.583 | 62.152 | 47.847 | 36.383 | 33.754 | 34.407 | 34.015 | 33.297 |
| 113.5 | 78.384 | 73.501 | 62.070 | 47.782 | 36.334 | 33.689 | 34.146 | 33.672 | 33.068 |
| 114.0 | 78.253 | 73.452 | 61.956 | 47.782 | 36.318 | 33.607 | 33.983 | 33.493 | 32.807 |
| 114.5 | 78.286 | 73.354 | 61.907 | 47.700 | 36.302 | 33.444 | 33.819 | 33.117 | 32.480 |
| 115.0 | 78.090 | 73.240 | 61.760 | 47.635 | 36.220 | 33.346 | 33.477 | 32.758 | 32.105 |
| 115.5 | 78.025 | 73.256 | 61.695 | 47.586 | 36.236 | 33.215 | 33.395 | 32.431 | 31.811 |
| 116.0 | 77.861 | 73.028 | 61.564 | 47.471 | 36.106 | 33.199 | 33.117 | 31.990 | 31.468 |
| 116.5 | 77.878 | 72.962 | 61.482 | 47.455 | 36.155 | 33.003 | 32.840 | 31.648 | 31.125 |
| 117.0 | 77.665 | 72.848 | 61.352 | 47.373 | 36.073 | 32.938 | 32.725 | 31.337 | 30.537 |
| 117.5 | 77.486 | 72.685 | 61.303 | 47.292 | 35.991 | 32.823 | 32.546 | 30.896 | 30.227 |
| 118.0 | 77.388 | 72.571 | 61.107 | 47.161 | 35.926 | 32.676 | 32.284 | 30.570 | 29.704 |
| 118.5 | 77.241 | 72.505 | 61.009 | 47.096 | 35.828 | 32.562 | 32.056 | 30.211 | 29.329 |
| 119.0 | 77.045 | 72.293 | 60.895 | 47.063 | 35.779 | 32.464 | 31.925 | 29.835 | 28.871 |
| 119.5 | 76.882 | 72.195 | 60.780 | 46.981 | 35.779 | 32.366 | 31.631 | 29.410 | 28.382 |
| 120.0 | 76.735 | 72.097 | 60.682 | 46.851 | 35.665 | 32.252 | 31.501 | 28.969 | 27.941 |
| 120.5 | 76.620 | 71.836 | 60.552 | 46.687 | 35.583 | 32.088 | 31.256 | 28.578 | 27.516 |
| 121.0 | 76.457 | 71.721 | 60.356 | 46.687 | 35.452 | 31.974 | 30.994 | 28.218 | 27.075 |
| 121.5 | 76.163 | 71.607 | 60.192 | 46.606 | 35.452 | 31.811 | 30.880 | 27.859 | 26.618 |
| 122.0 | 76.032 | 71.362 | 60.078 | 46.410 | 35.403 | 31.680 | 30.651 | 27.451 | 26.144 |
| 122.5 | 75.804 | 71.199 | 59.964 | 46.296 | 35.273 | 31.631 | 30.439 | 27.108 | 25.752 |
| 123.0 | 75.624 | 71.052 | 59.751 | 46.247 | 35.191 | 31.435 | 30.259 | 26.732 | 25.312 |
| 123.5 | 75.379 | 70.742 | 59.572 | 46.034 | 35.126 | 31.337 | 30.080 | 26.406 | 24.773 |
| 124.0 | 75.347 | 70.513 | 59.458 | 45.969 | 35.093 | 31.239 | 29.786 | 26.014 | 24.413 |
| 124.5 | 74.938 | 70.350 | 59.278 | 45.855 | 34.963 | 31.076 | 29.639 | 25.687 | 24.021 |
| 125.0 | 74.661 | 70.088 | 59.115 | 45.724 | 34.848 | 31.043 | 29.492 | 25.328 | 23.613 |
| 125.5 | 74.383 | 69.876 | 58.870 | 45.544 | 34.767 | 30.896 | 29.312 | 25.018 | 23.303 |
| 126.0 | 74.057 | 69.582 | 58.690 | 45.446 | 34.734 | 30.831 | 29.198 | 24.740 | 22.960 |
| 126.5 | 73.926 | 69.305 | 58.478 | 45.283 | 34.652 | 30.749 | 28.986 | 24.413 | 22.617 |
| 127.0 | 73.436 | 69.092 | 58.298 | 45.201 | 34.603 | 30.668 | 28.741 | 24.152 | 22.274 |
| 127.5 | 73.109 | 68.766 | 58.053 | 45.054 | 34.538 | 30.537 | 28.610 | 23.923 | 22.013 |
| 128.0 | 72.881 | 68.472 | 57.841 | 44.875 | 34.424 | 30.504 | 28.463 | 23.564 | 21.719 |
| 128.5 | 72.522 | 68.145 | 57.612 | 44.777 | 34.424 | 30.472 | 28.251 | 23.270 | 21.441 |
| 129.0 | 72.162 | 67.965 | 57.416 | 44.597 | 34.277 | 30.325 | 28.088 | 22.944 | 21.164 |
| 129.5 | 71.917 | 67.606 | 57.139 | 44.483 | 34.211 | 30.227 | 27.973 | 22.666 | 20.984 |
| 130.0 | 71.444 | 67.378 | 56.910 | 44.254 | 34.146 | 30.047 | 27.679 | 22.405 | 20.723 |
| 130.5 | 71.166 | 67.051 | 56.649 | 44.140 | 34.146 | 29.998 | 27.565 | 22.160 | 20.380 |
| 131.0 | 70.840 | 66.724 | 56.404 | 44.042 | 33.983 | 29.900 | 27.402 | 21.931 | 20.233 |
| 131.5 | 70.562 | 66.447 | 56.192 | 43.830 | 33.917 | 29.835 | 27.206 | 21.621 | 20.086 |
| 132.0 | 70.088 | 66.120 | 55.881 | 43.781 | 33.868 | 29.770 | 27.042 | 21.392 | 19.808 |
| 132.5 | 69.664 | 65.696 | 55.653 | 43.536 | 33.770 | 29.672 | 26.928 | 21.147 | 19.563 |
| 133.0 | 69.370 | 65.385 | 55.391 | 43.340 | 33.623 | 29.574 | 26.732 | 20.935 | 19.514 |
| 133.5 | 68.929 | 65.059 | 55.114 | 43.209 | 33.607 | 29.492 | 26.585 | 20.772 | 19.269 |
| 134.0 | 68.570 | 64.667 | 54.852 | 43.013 | 33.460 | 29.459 | 26.406 | 20.543 | 19.188 |
| 134.5 | 68.227 | 64.308 | 54.575 | 42.801 | 33.444 | 29.361 | 26.291 | 20.298 | 18.975 |
| 135.0 | 67.818 | 63.965 | 54.232 | 42.605 | 33.313 | 29.231 | 26.128 | 20.151 | 18.812 |
| 135.5 | 67.427 | 63.524 | 54.020 | 42.442 | 33.215 | 29.247 | 25.965 | 19.972 | 18.649 |
| 136.0 | 66.986 | 63.295 | 53.693 | 42.246 | 33.101 | 29.067 | 25.769 | 19.678 | 18.437 |
| 136.5 | 66.577 | 62.919 | 53.415 | 42.115 | 33.019 | 28.986 | 25.589 | 19.547 | 18.224 |
| 137.0 | 66.120 | 62.479 | 53.121 | 41.870 | 32.938 | 28.888 | 25.524 | 19.351 | 17.996 |
| 137.5 | 65.663 | 62.103 | 52.828 | 41.690 | 32.774 | 28.806 | 25.279 | 19.122 | 17.914 |
| 138.0 | 65.173 | 61.711 | 52.517 | 41.527 | 32.742 | 28.659 | 25.197 | 19.024 | 17.865 |
| 138.5 | 64.797 | 61.286 | 52.256 | 41.315 | 32.644 | 28.659 | 25.132 | 18.861 | 17.653 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ALR 2 LIGHT.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 139.0 | 64.308 | 60.944 | 51.913 | 41.070 | 32.464 | 28.610 | 24.903 | 18.633 | 17.522 |
| 139.5 | 63.883 | 60.503 | 51.586 | 40.874 | 32.382 | 28.496 | 24.789 | 18.502 | 17.359 |
| 140.0 | 63.556 | 60.111 | 51.146 | 40.711 | 32.333 | 28.463 | 24.675 | 18.322 | 17.195 |
| 140.5 | 63.099 | 59.637 | 50.917 | 40.400 | 32.137 | 28.316 | 24.462 | 18.192 | 17.049 |
| 141.0 | 62.642 | 59.327 | 50.558 | 40.286 | 32.072 | 28.202 | 24.397 | 17.963 | 16.853 |
| 141.5 | 62.250 | 58.804 | 50.264 | 40.025 | 31.941 | 28.186 | 24.234 | 17.800 | 16.689 |
| 142.0 | 61.776 | 58.412 | 49.888 | 39.764 | 31.778 | 28.088 | 24.103 | 17.604 | 16.493 |
| 142.5 | 61.205 | 58.004 | 49.578 | 39.568 | 31.680 | 27.973 | 24.021 | 17.522 | 16.297 |
| 143.0 | 60.748 | 57.531 | 49.219 | 39.306 | 31.566 | 27.941 | 23.907 | 17.261 | 16.248 |
| 143.5 | 60.258 | 57.057 | 48.827 | 39.045 | 31.435 | 27.794 | 23.711 | 17.114 | 16.101 |
| 144.0 | 59.800 | 56.616 | 48.484 | 38.849 | 31.256 | 27.679 | 23.679 | 16.983 | 16.003 |
| 144.5 | 59.311 | 56.159 | 48.141 | 38.637 | 31.141 | 27.712 | 23.646 | 16.885 | 15.889 |
| 145.0 | 58.788 | 55.767 | 47.831 | 38.310 | 30.994 | 27.581 | 23.466 | 16.673 | 15.807 |
| 145.5 | 58.314 | 55.310 | 47.471 | 38.131 | 30.896 | 27.467 | 23.352 | 16.591 | 15.791 |
| 146.0 | 57.776 | 54.820 | 47.079 | 37.886 | 30.733 | 27.336 | 23.303 | 16.477 | 15.889 |
| 146.5 | 57.302 | 54.314 | 46.671 | 37.624 | 30.553 | 27.287 | 23.156 | 16.232 | 15.873 |
| 147.0 | 56.828 | 53.873 | 46.361 | 37.363 | 30.390 | 27.189 | 23.172 | 16.118 | 15.824 |
| 147.5 | 56.339 | 53.317 | 45.985 | 37.102 | 30.341 | 27.108 | 23.025 | 16.020 | 15.873 |
| 148.0 | 55.751 | 52.860 | 45.577 | 36.857 | 30.129 | 26.993 | 22.927 | 15.889 | 15.905 |
| 148.5 | 55.195 | 52.419 | 45.234 | 36.579 | 30.047 | 26.896 | 22.846 | 15.742 | 15.938 |
| 149.0 | 54.608 | 51.978 | 44.826 | 36.351 | 29.851 | 26.830 | 22.813 | 15.595 | 16.020 |
| 149.5 | 54.199 | 51.472 | 44.434 | 36.024 | 29.672 | 26.781 | 22.715 | 15.530 | 16.101 |
| 150.0 | 53.644 | 50.917 | 44.042 | 35.795 | 29.476 | 26.618 | 22.633 | 15.416 | 16.085 |
| 150.5 | 53.105 | 50.492 | 43.634 | 35.534 | 29.378 | 26.585 | 22.584 | 15.350 | 16.183 |
| 151.0 | 52.583 | 49.904 | 43.275 | 35.207 | 29.198 | 26.455 | 22.486 | 15.334 | 16.297 |
| 151.5 | 52.109 | 49.431 | 42.899 | 34.979 | 29.035 | 26.389 | 22.405 | 15.203 | 16.232 |
| 152.0 | 51.423 | 48.990 | 42.458 | 34.750 | 28.888 | 26.259 | 22.339 | 15.056 | 16.199 |
| 152.5 | 50.868 | 48.418 | 42.099 | 34.407 | 28.692 | 26.193 | 22.209 | 15.040 | 16.265 |
| 153.0 | 50.443 | 47.880 | 41.609 | 34.064 | 28.561 | 26.112 | 22.225 | 14.975 | 16.248 |
| 153.5 | 49.790 | 47.406 | 41.266 | 33.803 | 28.365 | 25.981 | 22.192 | 14.958 | 16.314 |
| 154.0 | 49.235 | 46.883 | 40.825 | 33.542 | 28.202 | 25.867 | 22.062 | 14.926 | 16.265 |
| 154.5 | 48.631 | 46.328 | 40.368 | 33.215 | 28.055 | 25.752 | 22.062 | 14.926 | 16.232 |
| 155.0 | 48.027 | 45.757 | 39.976 | 32.905 | 27.908 | 25.622 | 21.964 | 14.909 | 16.232 |
| 155.5 | 47.488 | 45.201 | 39.568 | 32.578 | 27.712 | 25.524 | 21.833 | 14.942 | 16.330 |
| 156.0 | 46.965 | 44.712 | 39.127 | 32.350 | 27.516 | 25.458 | 21.833 | 14.958 | 16.330 |
| 156.5 | 46.247 | 44.173 | 38.653 | 31.990 | 27.402 | 25.312 | 21.833 | 14.893 | 16.428 |
| 157.0 | 45.806 | 43.666 | 38.278 | 31.648 | 27.140 | 25.214 | 21.735 | 14.762 | 16.395 |
| 157.5 | 45.169 | 43.111 | 37.804 | 31.337 | 26.928 | 25.050 | 21.703 | 14.697 | 16.314 |
| 158.0 | 44.597 | 42.507 | 37.428 | 31.076 | 26.781 | 24.969 | 21.686 | 14.583 | 16.314 |
| 158.5 | 44.091 | 42.033 | 37.036 | 30.717 | 26.536 | 24.838 | 21.605 | 14.370 | 16.297 |
| 159.0 | 43.454 | 41.511 | 36.530 | 30.390 | 26.340 | 24.658 | 21.572 | 14.289 | 16.314 |
| 159.5 | 42.866 | 40.923 | 36.106 | 30.113 | 26.144 | 24.609 | 21.539 | 14.093 | 16.330 |
| 160.0 | 42.262 | 40.335 | 35.648 | 29.704 | 25.932 | 24.430 | 21.425 | 14.076 | 16.314 |
| 160.5 | 41.723 | 39.796 | 35.224 | 29.394 | 25.752 | 24.364 | 21.327 | 13.995 | 16.297 |
| 161.0 | 41.086 | 39.208 | 34.734 | 29.100 | 25.573 | 24.201 | 21.229 | 13.962 | 16.428 |
| 161.5 | 40.400 | 38.653 | 34.326 | 28.675 | 25.328 | 24.070 | 21.082 | 13.766 | 16.493 |
| 162.0 | 39.764 | 38.098 | 33.770 | 28.316 | 25.132 | 23.907 | 20.935 | 13.636 | 16.575 |
| 162.5 | 39.159 | 37.526 | 33.346 | 28.039 | 25.018 | 23.793 | 20.706 | 13.489 | 16.575 |
| 163.0 | 38.555 | 36.922 | 32.889 | 27.663 | 24.707 | 23.630 | 20.200 | 13.391 | 16.608 |
| 163.5 | 37.902 | 36.383 | 32.382 | 27.336 | 24.577 | 23.466 | 19.661 | 13.146 | 16.706 |
| 164.0 | 37.363 | 35.779 | 31.941 | 27.026 | 24.381 | 23.417 | 18.992 | 12.737 | 16.657 |
| 164.5 | 36.694 | 35.158 | 31.468 | 26.585 | 24.136 | 23.221 | 18.159 | 12.378 | 16.346 |
| 165.0 | 36.057 | 34.538 | 30.994 | 26.242 | 23.907 | 22.911 | 17.391 | 12.199 | 15.856 |
| 165.5 | 35.371 | 33.983 | 30.504 | 25.850 | 23.695 | 22.552 | 16.575 | 12.117 | 15.203 |
| 166.0 | 34.783 | 33.379 | 29.998 | 25.540 | 23.417 | 21.980 | 15.595 | 12.052 | 14.452 |
| 166.5 | 34.081 | 32.742 | 29.427 | 25.197 | 23.107 | 21.196 | 14.779 | 11.888 | 13.391 |

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : ALR 2 LIGHT.IES**

CANDELA TABULATION - (Cont.)

| | | | | | | | | | |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 167.0 | 33.362 | 32.137 | 28.969 | 24.871 | 22.617 | 20.364 | 14.125 | 11.807 | 12.133 |
| 167.5 | 32.725 | 31.533 | 28.496 | 24.462 | 21.915 | 19.367 | 13.472 | 11.464 | 11.039 |
| 168.0 | 31.990 | 30.815 | 27.843 | 24.152 | 20.935 | 18.290 | 13.064 | 11.235 | 9.733 |
| 168.5 | 31.321 | 30.178 | 27.353 | 23.760 | 20.070 | 17.277 | 12.803 | 10.957 | 8.524 |
| 169.0 | 30.635 | 29.590 | 26.896 | 23.172 | 18.894 | 16.199 | 12.509 | 10.419 | 7.087 |
| 169.5 | 29.917 | 28.969 | 26.291 | 22.454 | 17.849 | 15.154 | 12.394 | 9.831 | 5.552 |
| 170.0 | 29.165 | 28.300 | 25.687 | 21.490 | 16.673 | 14.354 | 12.166 | 8.982 | 4.131 |
| 170.5 | 28.447 | 27.451 | 25.050 | 20.494 | 15.677 | 13.832 | 11.839 | 7.936 | 2.988 |
| 171.0 | 27.712 | 26.667 | 24.119 | 19.449 | 14.844 | 13.309 | 11.578 | 7.022 | 1.829 |
| 171.5 | 27.042 | 25.997 | 23.319 | 18.355 | 14.272 | 13.015 | 11.121 | 6.238 | 1.208 |
| 172.0 | 26.259 | 25.246 | 22.535 | 17.310 | 13.766 | 12.803 | 10.337 | 5.307 | 1.078 |
| 172.5 | 25.589 | 24.217 | 21.441 | 16.542 | 13.325 | 12.427 | 9.422 | 4.393 | 1.061 |
| 173.0 | 24.413 | 23.287 | 20.396 | 15.824 | 12.950 | 12.003 | 8.492 | 3.511 | 1.012 |
| 173.5 | 23.009 | 22.225 | 19.220 | 14.975 | 12.476 | 11.137 | 7.267 | 2.972 | 0.865 |
| 174.0 | 22.258 | 20.853 | 17.865 | 14.289 | 12.084 | 9.880 | 6.009 | 2.743 | 0.751 |
| 174.5 | 21.033 | 19.531 | 16.640 | 13.505 | 11.349 | 8.622 | 4.801 | 2.466 | 0.637 |
| 175.0 | 19.563 | 18.110 | 15.465 | 12.525 | 10.288 | 7.185 | 3.838 | 2.254 | 0.490 |
| 175.5 | 17.653 | 16.461 | 14.076 | 11.529 | 8.982 | 5.618 | 3.282 | 1.862 | 0.359 |
| 176.0 | 15.742 | 14.632 | 12.705 | 10.337 | 7.593 | 4.262 | 2.907 | 1.551 | 0.474 |
| 176.5 | 13.685 | 12.574 | 11.088 | 8.655 | 5.977 | 3.282 | 2.482 | 1.094 | 0.376 |
| 177.0 | 11.284 | 10.484 | 9.275 | 6.940 | 4.523 | 2.760 | 2.090 | 0.719 | 0.310 |
| 177.5 | 8.802 | 8.132 | 7.561 | 5.405 | 3.331 | 2.433 | 1.764 | 0.474 | 0.310 |
| 178.0 | 6.156 | 5.699 | 5.764 | 3.674 | 2.450 | 2.025 | 1.388 | 0.392 | 0.523 |
| 178.5 | 3.919 | 3.642 | 3.805 | 2.335 | 1.976 | 1.666 | 1.045 | 0.425 | 0.359 |
| 179.0 | 2.303 | 2.188 | 2.041 | 1.453 | 1.535 | 1.323 | 0.817 | 0.392 | 0.408 |
| 179.5 | 0.817 | 1.241 | 0.784 | 0.784 | 1.061 | 1.061 | 0.506 | 0.408 | 0.572 |
| 180.0 | 0.588 | 0.588 | 0.588 | 0.588 | 0.588 | 0.588 | 0.588 | 0.588 | 0.588 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ALR 2 LIGHT.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|--------|-------|--------|
| 0-20 | 66.57 | N.A. | 7.40 |
| 0-30 | 152.86 | N.A. | 16.90 |
| 0-40 | 257.22 | N.A. | 28.50 |
| 0-60 | 440.13 | N.A. | 48.70 |
| 0-80 | 582.30 | N.A. | 64.40 |
| 0-90 | 639.75 | N.A. | 70.80 |
| 10-90 | 624.66 | N.A. | 69.10 |
| 20-40 | 190.65 | N.A. | 21.10 |
| 20-50 | 289.01 | N.A. | 32.00 |
| 40-70 | 258.29 | N.A. | 28.60 |
| 60-80 | 142.17 | N.A. | 15.70 |
| 70-80 | 66.79 | N.A. | 7.40 |
| 80-90 | 57.45 | N.A. | 6.40 |
| 90-110 | 105.03 | N.A. | 11.60 |
| 90-120 | 151.33 | N.A. | 16.70 |
| 90-130 | 190.03 | N.A. | 21.00 |
| 90-150 | 242.25 | N.A. | 26.80 |
| 90-180 | 264.34 | N.A. | 29.20 |
| 110-180 | 159.32 | N.A. | 17.60 |
| 0-180 | 904.09 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 15.08 |
| 10-20 | 51.48 |
| 20-30 | 86.30 |
| 30-40 | 104.36 |
| 40-50 | 98.36 |
| 50-60 | 84.55 |
| 60-70 | 75.38 |
| 70-80 | 66.79 |
| 80-90 | 57.45 |
| 90-100 | 53.53 |
| 100-110 | 51.50 |
| 110-120 | 46.30 |
| 120-130 | 38.70 |
| 130-140 | 30.33 |
| 140-150 | 21.89 |
| 150-160 | 14.01 |
| 160-170 | 6.89 |
| 170-180 | 1.20 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ALR 2 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 | 75 | 75 | 75 | 71 |
| 1 | 100 | 94 | 89 | 85 | 85 | 94 | 89 | 85 | 81 | 80 | 76 | 73 | 71 | 68 | 66 | 63 | 61 | 59 | 54 |
| 2 | 90 | 81 | 74 | 68 | 68 | 85 | 77 | 70 | 65 | 69 | 64 | 59 | 61 | 57 | 53 | 54 | 51 | 48 | 44 |
| 3 | 82 | 71 | 63 | 56 | 56 | 77 | 67 | 60 | 54 | 60 | 54 | 49 | 54 | 49 | 44 | 47 | 44 | 40 | 37 |
| 4 | 75 | 63 | 54 | 47 | 47 | 70 | 60 | 51 | 45 | 53 | 47 | 41 | 48 | 42 | 38 | 42 | 38 | 34 | 31 |
| 5 | 69 | 56 | 47 | 40 | 40 | 65 | 53 | 45 | 39 | 48 | 41 | 36 | 43 | 37 | 33 | 38 | 33 | 30 | 27 |
| 6 | 63 | 50 | 41 | 35 | 35 | 60 | 48 | 40 | 34 | 43 | 36 | 31 | 38 | 33 | 28 | 34 | 30 | 26 | 23 |
| 7 | 59 | 45 | 37 | 31 | 31 | 55 | 43 | 35 | 29 | 39 | 32 | 27 | 35 | 29 | 25 | 31 | 27 | 23 | 21 |
| 8 | 54 | 41 | 33 | 27 | 27 | 51 | 39 | 31 | 26 | 36 | 29 | 24 | 32 | 26 | 22 | 29 | 24 | 21 | 18 |
| 9 | 51 | 38 | 30 | 24 | 24 | 48 | 36 | 28 | 23 | 33 | 26 | 22 | 29 | 24 | 20 | 27 | 22 | 19 | 16 |
| 10 | 47 | 35 | 27 | 22 | 22 | 45 | 33 | 26 | 21 | 30 | 24 | 20 | 27 | 22 | 18 | 25 | 20 | 17 | 15 |

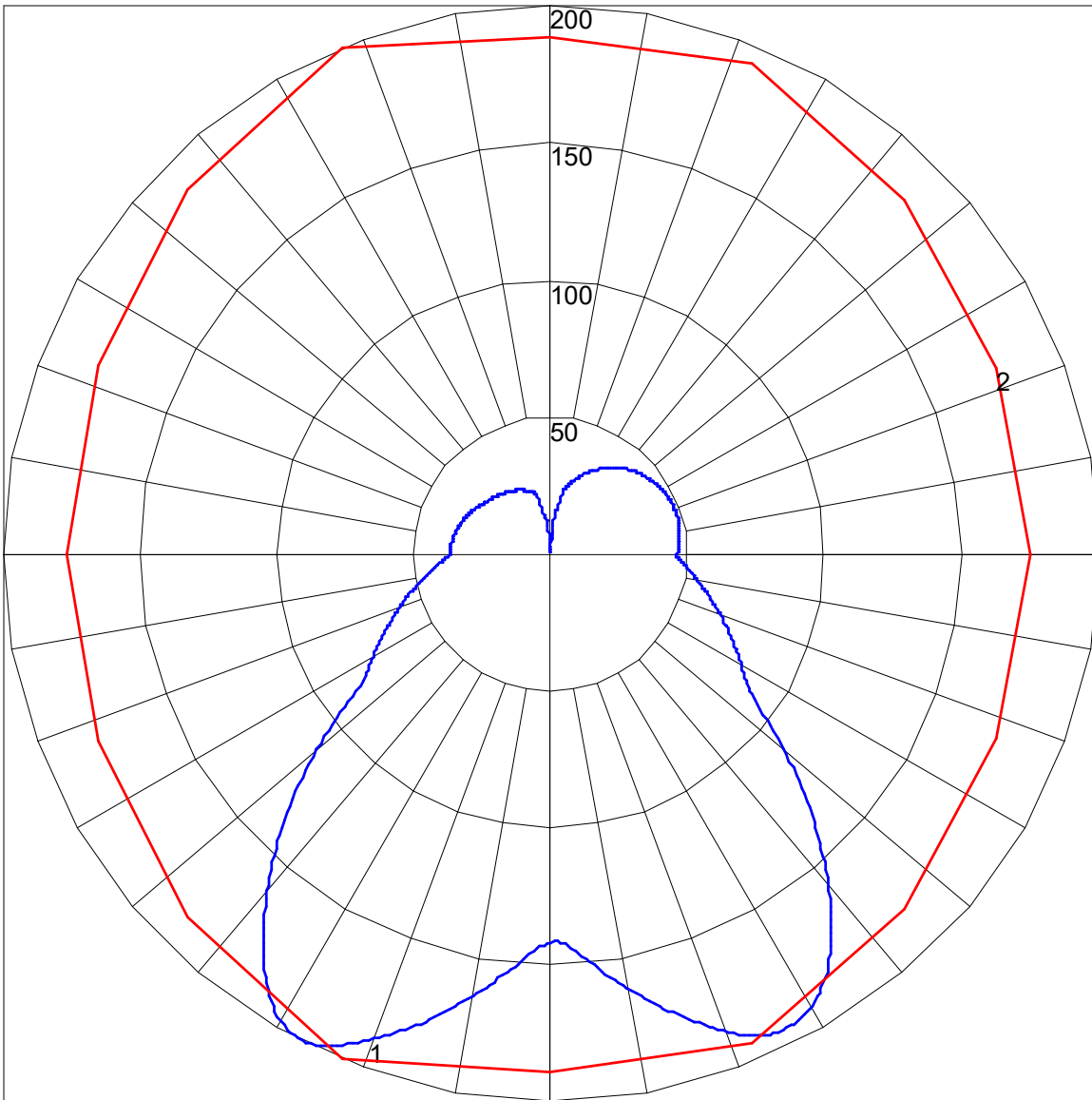
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ALR 2 LIGHT.IES

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 | 12.1 | 13.3 | 12.9 | 14.1 | 15.0 | 10.4 | 11.5 | 11.1 | 12.3 | 13.2 |
| | 3H | 14.4 | 15.5 | 15.2 | 16.3 | 17.2 | 12.2 | 13.3 | 13.0 | 14.0 | 15.0 |
| | 4H | 15.6 | 16.6 | 16.3 | 17.4 | 18.3 | 13.0 | 14.0 | 13.8 | 14.8 | 15.8 |
| | 6H | 16.6 | 17.6 | 17.4 | 18.4 | 19.4 | 13.7 | 14.7 | 14.5 | 15.5 | 16.5 |
| | 8H | 17.2 | 18.1 | 18.0 | 18.9 | 19.9 | 14.1 | 15.0 | 14.9 | 15.8 | 16.8 |
| | 12H | 17.7 | 18.5 | 18.5 | 19.3 | 20.3 | 14.4 | 15.2 | 15.2 | 16.1 | 17.1 |
| 4H | 2H | 12.8 | 13.8 | 13.5 | 14.6 | 15.5 | 11.3 | 12.3 | 12.1 | 13.1 | 14.1 |
| | 3H | 15.3 | 16.2 | 16.1 | 17.0 | 18.0 | 13.4 | 14.2 | 14.1 | 15.0 | 16.0 |
| | 4H | 16.6 | 17.4 | 17.4 | 18.2 | 19.2 | 14.3 | 15.1 | 15.1 | 15.9 | 16.9 |
| | 6H | 17.9 | 18.6 | 18.7 | 19.4 | 20.4 | 15.2 | 15.9 | 16.0 | 16.7 | 17.7 |
| | 8H | 18.5 | 19.1 | 19.3 | 20.0 | 21.0 | 15.6 | 16.2 | 16.4 | 17.1 | 18.1 |
| | 12H | 19.1 | 19.7 | 19.9 | 20.6 | 21.6 | 16.0 | 16.6 | 16.8 | 17.4 | 18.5 |
| 8H | 4H | 17.0 | 17.7 | 17.8 | 18.5 | 19.5 | 15.0 | 15.6 | 15.8 | 16.5 | 17.5 |
| | 6H | 18.5 | 19.1 | 19.3 | 19.9 | 21.0 | 16.1 | 16.6 | 16.9 | 17.5 | 18.5 |
| | 8H | 19.3 | 19.8 | 20.1 | 20.6 | 21.7 | 16.6 | 17.1 | 17.4 | 18.0 | 19.0 |
| | 12H | 20.0 | 20.5 | 20.9 | 21.4 | 22.5 | 17.1 | 17.6 | 18.0 | 18.4 | 19.5 |
| 12H | 4H | 17.1 | 17.7 | 17.9 | 18.5 | 19.6 | 15.1 | 15.8 | 16.0 | 16.6 | 17.7 |
| | 6H | 18.6 | 19.1 | 19.5 | 20.0 | 21.1 | 16.3 | 16.8 | 17.2 | 17.7 | 18.8 |
| | 8H | 19.5 | 19.9 | 20.3 | 20.8 | 21.9 | 16.9 | 17.4 | 17.8 | 18.3 | 19.4 |

Maximum UGR = 22.5

POLAR GRAPH



Maximum Candela = 199.651 Located At Horizontal Angle = 112.5, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (112.5 - 292.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)