



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-30U-70D-EM10WLP-DIM-UNV_(EMER MODE).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 12731921.05
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 04-11-2024
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.64836
 [LUMINAIRE] 4' SUSPENDED LED LUMINAIRE
 [MORE] WITH FROSTED ACRYLIC LENS
 [LUMCAT] SDI5-4-L27-835-DMA-30U-70D-EM10WLP-DIM-UNV
 [LAMPCAT] HLM 80 CRI, 3500K CCT
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Indoor, Architectural, Classroom, Direct-Indirect
 [_SEARCH_MOUNTING] Suspended

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 1290 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 129 |
| Total Luminaire Watts | 10 |
| Ballast Factor | 1.00 |
| CIE Type | Semi-Direct |
| Spacing Criterion (0-180) | 1.34 |
| Spacing Criterion (90-270) | 1.54 |
| Spacing Criterion (Diagonal) | 1.54 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 3.77 ft |
| Luminous Width (90-270) | 0.40 ft |
| Luminous Height | 0.15 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 1920 | 1744 | 1815 |
| 55 | 1825 | 1559 | 1592 |
| 65 | 1657 | 1267 | 1259 |
| 75 | 1327 | 832 | 796 |
| 85 | 593 | 236 | 214 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-30U-70D-EM10WLP-DIM-UNV_(EMER MODE).IES

CANDELA TABULATION

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|------|------------|-------------|-------------|-------------|-------------|
| 0.0 | 267.059 | 267.059 | 267.059 | 267.059 | 267.059 |
| 0.5 | 273.605 | 268.499 | 265.357 | 264.964 | 265.226 |
| 1.0 | 273.605 | 268.499 | 265.357 | 264.964 | 265.226 |
| 1.5 | 273.605 | 268.499 | 265.357 | 265.095 | 265.226 |
| 2.0 | 273.605 | 268.368 | 265.357 | 265.095 | 265.357 |
| 2.5 | 273.474 | 268.368 | 265.357 | 265.226 | 265.488 |
| 3.0 | 273.474 | 268.368 | 265.357 | 265.357 | 265.619 |
| 3.5 | 273.343 | 268.237 | 265.488 | 265.488 | 265.750 |
| 4.0 | 273.212 | 268.106 | 265.488 | 265.619 | 266.012 |
| 4.5 | 273.081 | 268.106 | 265.488 | 265.750 | 266.274 |
| 5.0 | 272.950 | 267.975 | 265.488 | 266.012 | 266.535 |
| 5.5 | 272.819 | 267.845 | 265.619 | 266.143 | 266.797 |
| 6.0 | 272.557 | 267.714 | 265.619 | 266.405 | 267.059 |
| 6.5 | 272.426 | 267.583 | 265.750 | 266.666 | 267.321 |
| 7.0 | 272.165 | 267.452 | 265.750 | 266.928 | 267.714 |
| 7.5 | 271.903 | 267.321 | 265.881 | 267.190 | 268.106 |
| 8.0 | 271.641 | 267.190 | 265.881 | 267.452 | 268.368 |
| 8.5 | 271.379 | 266.928 | 266.012 | 267.714 | 268.761 |
| 9.0 | 270.986 | 266.797 | 266.143 | 268.106 | 269.154 |
| 9.5 | 270.725 | 266.535 | 266.143 | 268.368 | 269.546 |
| 10.0 | 270.332 | 266.405 | 266.274 | 268.630 | 269.939 |
| 10.5 | 269.939 | 266.143 | 266.405 | 269.023 | 270.463 |
| 11.0 | 269.415 | 265.881 | 266.405 | 269.415 | 270.855 |
| 11.5 | 269.023 | 265.619 | 266.535 | 269.808 | 271.248 |
| 12.0 | 268.630 | 265.357 | 266.535 | 270.070 | 271.772 |
| 12.5 | 268.106 | 264.964 | 266.535 | 270.463 | 272.165 |
| 13.0 | 267.583 | 264.703 | 266.666 | 270.725 | 272.688 |
| 13.5 | 267.059 | 264.310 | 266.666 | 271.117 | 273.212 |
| 14.0 | 266.535 | 263.917 | 266.666 | 271.510 | 273.736 |
| 14.5 | 266.012 | 263.524 | 266.535 | 271.772 | 274.259 |
| 15.0 | 265.488 | 263.132 | 266.535 | 272.165 | 274.652 |
| 15.5 | 264.834 | 262.739 | 266.535 | 272.426 | 275.176 |
| 16.0 | 264.310 | 262.215 | 266.405 | 272.688 | 275.699 |
| 16.5 | 263.655 | 261.823 | 266.274 | 272.950 | 276.223 |
| 17.0 | 263.132 | 261.299 | 266.143 | 273.212 | 276.616 |
| 17.5 | 262.477 | 260.775 | 266.012 | 273.474 | 277.008 |
| 18.0 | 261.823 | 260.252 | 265.881 | 273.736 | 277.401 |
| 18.5 | 261.037 | 259.597 | 265.750 | 273.997 | 277.663 |
| 19.0 | 260.383 | 259.073 | 265.488 | 274.128 | 278.056 |
| 19.5 | 259.728 | 258.419 | 265.226 | 274.390 | 278.317 |
| 20.0 | 258.943 | 257.895 | 264.964 | 274.390 | 278.579 |
| 20.5 | 258.157 | 257.241 | 264.703 | 274.521 | 278.710 |
| 21.0 | 257.372 | 256.586 | 264.441 | 274.652 | 278.972 |
| 21.5 | 256.586 | 256.063 | 264.179 | 274.652 | 279.103 |
| 22.0 | 255.801 | 255.408 | 263.917 | 274.652 | 279.234 |
| 22.5 | 254.884 | 254.753 | 263.655 | 274.652 | 279.365 |
| 23.0 | 254.099 | 254.099 | 263.394 | 274.652 | 279.496 |
| 23.5 | 253.182 | 253.313 | 263.132 | 274.652 | 279.627 |
| 24.0 | 252.266 | 252.659 | 262.870 | 274.652 | 279.627 |
| 24.5 | 251.481 | 251.873 | 262.477 | 274.652 | 279.757 |
| 25.0 | 250.433 | 251.219 | 262.215 | 274.521 | 279.757 |
| 25.5 | 249.517 | 250.433 | 261.823 | 274.390 | 279.757 |
| 26.0 | 248.601 | 249.648 | 261.430 | 274.390 | 279.627 |
| 26.5 | 247.684 | 248.993 | 261.037 | 274.128 | 279.627 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-30U-70D-EM10WLP-DIM-UNV_(EMER MODE).IES****CANDELA TABULATION - (Cont.)**

| | | | | | |
|------|---------|---------|---------|---------|---------|
| 27.0 | 246.637 | 248.077 | 260.513 | 273.997 | 279.496 |
| 27.5 | 245.721 | 247.291 | 259.990 | 273.736 | 279.365 |
| 28.0 | 244.673 | 246.506 | 259.466 | 273.474 | 279.234 |
| 28.5 | 243.626 | 245.590 | 258.943 | 273.212 | 278.972 |
| 29.0 | 242.579 | 244.804 | 258.419 | 272.819 | 278.710 |
| 29.5 | 241.531 | 243.888 | 257.764 | 272.426 | 278.448 |
| 30.0 | 240.353 | 242.971 | 257.110 | 272.034 | 278.056 |
| 30.5 | 239.306 | 242.055 | 256.455 | 271.641 | 277.663 |
| 31.0 | 238.259 | 241.008 | 255.801 | 271.117 | 277.270 |
| 31.5 | 237.080 | 240.091 | 255.146 | 270.725 | 276.877 |
| 32.0 | 236.033 | 239.044 | 254.361 | 270.201 | 276.354 |
| 32.5 | 234.855 | 237.997 | 253.575 | 269.677 | 275.830 |
| 33.0 | 233.546 | 236.949 | 252.790 | 269.023 | 275.306 |
| 33.5 | 232.368 | 235.902 | 252.004 | 268.499 | 274.783 |
| 34.0 | 231.058 | 234.724 | 251.219 | 267.845 | 274.128 |
| 34.5 | 229.749 | 233.546 | 250.302 | 267.059 | 273.474 |
| 35.0 | 228.440 | 232.368 | 249.386 | 266.274 | 272.819 |
| 35.5 | 227.000 | 231.189 | 248.339 | 265.488 | 272.034 |
| 36.0 | 225.691 | 230.011 | 247.422 | 264.703 | 271.248 |
| 36.5 | 224.251 | 228.702 | 246.244 | 263.655 | 270.332 |
| 37.0 | 222.680 | 227.393 | 245.197 | 262.739 | 269.415 |
| 37.5 | 221.240 | 226.084 | 244.019 | 261.561 | 268.368 |
| 38.0 | 219.669 | 224.775 | 242.840 | 260.513 | 267.190 |
| 38.5 | 218.229 | 223.335 | 241.531 | 259.204 | 266.012 |
| 39.0 | 216.658 | 221.895 | 240.222 | 258.026 | 264.703 |
| 39.5 | 215.087 | 220.324 | 238.782 | 256.586 | 263.394 |
| 40.0 | 213.516 | 218.884 | 237.473 | 255.277 | 261.823 |
| 40.5 | 211.945 | 217.313 | 235.902 | 253.706 | 260.383 |
| 41.0 | 210.244 | 215.742 | 234.462 | 252.135 | 258.812 |
| 41.5 | 208.542 | 214.171 | 232.891 | 250.564 | 257.110 |
| 42.0 | 206.840 | 212.469 | 231.320 | 248.862 | 255.408 |
| 42.5 | 205.007 | 210.767 | 229.618 | 247.161 | 253.575 |
| 43.0 | 203.305 | 209.065 | 227.917 | 245.328 | 251.742 |
| 43.5 | 201.472 | 207.364 | 226.084 | 243.495 | 249.779 |
| 44.0 | 199.640 | 205.531 | 224.251 | 241.662 | 247.946 |
| 44.5 | 197.807 | 203.698 | 222.418 | 239.699 | 245.851 |
| 45.0 | 195.843 | 201.865 | 220.586 | 237.735 | 243.888 |
| 45.5 | 193.880 | 200.032 | 218.622 | 235.640 | 241.793 |
| 46.0 | 191.916 | 198.069 | 216.658 | 233.546 | 239.699 |
| 46.5 | 189.821 | 196.105 | 214.695 | 231.451 | 237.473 |
| 47.0 | 187.858 | 194.141 | 212.600 | 229.226 | 235.248 |
| 47.5 | 185.763 | 192.047 | 210.505 | 227.000 | 232.891 |
| 48.0 | 183.669 | 190.083 | 208.411 | 224.644 | 230.666 |
| 48.5 | 181.705 | 187.989 | 206.185 | 222.418 | 228.178 |
| 49.0 | 179.479 | 185.894 | 204.091 | 220.062 | 225.822 |
| 49.5 | 177.385 | 183.799 | 201.734 | 217.575 | 223.335 |
| 50.0 | 175.290 | 181.574 | 199.509 | 215.218 | 220.847 |
| 50.5 | 173.196 | 179.479 | 197.283 | 212.731 | 218.229 |
| 51.0 | 170.970 | 177.254 | 194.927 | 210.244 | 215.611 |
| 51.5 | 168.876 | 175.028 | 192.571 | 207.756 | 212.993 |
| 52.0 | 166.781 | 172.934 | 190.214 | 205.138 | 210.244 |
| 52.5 | 164.686 | 170.708 | 187.727 | 202.520 | 207.625 |
| 53.0 | 162.461 | 168.352 | 185.239 | 199.902 | 204.876 |
| 53.5 | 160.235 | 166.126 | 182.883 | 197.283 | 201.996 |
| 54.0 | 158.010 | 163.901 | 180.396 | 194.534 | 199.247 |
| 54.5 | 155.784 | 161.545 | 177.778 | 191.785 | 196.367 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-30U-70D-EM10WLP-DIM-UNV_(EMER MODE).IES****CANDELA TABULATION - (Cont.)**

| | | | | | |
|------|---------|---------|---------|---------|---------|
| 55.0 | 153.428 | 159.188 | 175.290 | 189.036 | 193.618 |
| 55.5 | 151.203 | 156.832 | 172.672 | 186.287 | 190.738 |
| 56.0 | 148.977 | 154.606 | 170.185 | 183.538 | 187.858 |
| 56.5 | 146.621 | 152.119 | 167.566 | 180.658 | 184.847 |
| 57.0 | 144.264 | 149.763 | 164.948 | 177.778 | 181.967 |
| 57.5 | 141.908 | 147.406 | 162.199 | 174.898 | 179.087 |
| 58.0 | 139.421 | 144.919 | 159.581 | 172.017 | 176.207 |
| 58.5 | 137.064 | 142.562 | 156.832 | 169.137 | 173.196 |
| 59.0 | 134.708 | 140.075 | 154.214 | 166.126 | 170.185 |
| 59.5 | 132.220 | 137.588 | 151.464 | 163.246 | 167.174 |
| 60.0 | 129.864 | 135.100 | 148.715 | 160.235 | 164.163 |
| 60.5 | 127.416 | 132.613 | 145.966 | 157.224 | 161.021 |
| 61.0 | 125.020 | 130.113 | 143.086 | 154.214 | 157.879 |
| 61.5 | 122.533 | 127.573 | 140.337 | 151.203 | 154.737 |
| 62.0 | 120.072 | 125.020 | 137.588 | 148.192 | 151.595 |
| 62.5 | 117.585 | 122.481 | 134.708 | 145.181 | 148.453 |
| 63.0 | 115.136 | 119.928 | 131.828 | 142.039 | 145.312 |
| 63.5 | 112.688 | 117.336 | 128.961 | 139.028 | 142.039 |
| 64.0 | 110.227 | 114.744 | 126.068 | 135.886 | 138.897 |
| 64.5 | 107.792 | 112.165 | 123.188 | 132.744 | 135.624 |
| 65.0 | 105.292 | 109.533 | 120.294 | 129.602 | 132.351 |
| 65.5 | 102.805 | 106.928 | 117.388 | 126.473 | 129.183 |
| 66.0 | 100.317 | 104.336 | 114.495 | 123.318 | 125.924 |
| 66.5 | 97.830 | 101.718 | 111.602 | 120.163 | 122.690 |
| 67.0 | 95.317 | 99.113 | 108.656 | 116.982 | 119.443 |
| 67.5 | 92.790 | 96.495 | 105.737 | 113.827 | 116.210 |
| 68.0 | 90.276 | 93.890 | 102.831 | 110.633 | 112.976 |
| 68.5 | 87.750 | 91.245 | 99.898 | 107.439 | 109.730 |
| 69.0 | 85.223 | 88.614 | 97.005 | 104.284 | 106.549 |
| 69.5 | 82.657 | 85.956 | 94.060 | 101.103 | 103.368 |
| 70.0 | 80.078 | 83.312 | 91.154 | 97.935 | 100.121 |
| 70.5 | 77.513 | 80.681 | 88.221 | 94.754 | 96.914 |
| 71.0 | 74.973 | 78.010 | 85.276 | 91.599 | 93.667 |
| 71.5 | 72.407 | 75.353 | 82.356 | 88.431 | 90.447 |
| 72.0 | 69.841 | 72.682 | 79.424 | 85.276 | 87.213 |
| 72.5 | 67.275 | 70.024 | 76.505 | 82.121 | 83.993 |
| 73.0 | 64.709 | 67.367 | 73.585 | 78.979 | 80.772 |
| 73.5 | 62.157 | 64.723 | 70.666 | 75.863 | 77.552 |
| 74.0 | 59.630 | 62.078 | 67.773 | 72.747 | 74.305 |
| 74.5 | 57.104 | 59.447 | 64.919 | 69.658 | 71.137 |
| 75.0 | 54.590 | 56.855 | 62.078 | 66.568 | 67.956 |
| 75.5 | 52.063 | 54.237 | 59.211 | 63.531 | 64.814 |
| 76.0 | 49.642 | 51.645 | 56.383 | 60.507 | 61.672 |
| 76.5 | 47.220 | 49.079 | 53.582 | 57.483 | 58.544 |
| 77.0 | 44.811 | 46.539 | 50.780 | 54.498 | 55.467 |
| 77.5 | 42.428 | 44.039 | 48.058 | 51.540 | 52.469 |
| 78.0 | 40.033 | 41.564 | 45.335 | 48.620 | 49.484 |
| 78.5 | 37.663 | 39.103 | 42.638 | 45.767 | 46.578 |
| 79.0 | 35.346 | 36.694 | 39.993 | 42.926 | 43.672 |
| 79.5 | 33.055 | 34.299 | 37.375 | 40.137 | 40.818 |
| 80.0 | 30.764 | 31.955 | 34.796 | 37.362 | 38.017 |
| 80.5 | 28.539 | 29.651 | 32.270 | 34.665 | 35.281 |
| 81.0 | 26.287 | 27.360 | 29.769 | 32.008 | 32.571 |
| 81.5 | 24.114 | 25.122 | 27.334 | 29.403 | 29.926 |
| 82.0 | 21.967 | 22.949 | 24.965 | 26.863 | 27.347 |
| 82.5 | 19.872 | 20.802 | 22.661 | 24.389 | 24.834 |

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| | | | | | |
|-------|--------|--------|--------|---------|---------|
| 83.0 | 17.804 | 18.733 | 20.422 | 22.006 | 22.386 |
| 83.5 | 15.814 | 16.717 | 18.249 | 19.663 | 20.016 |
| 84.0 | 13.916 | 14.780 | 16.154 | 17.437 | 17.738 |
| 84.5 | 12.096 | 12.908 | 14.165 | 15.317 | 15.552 |
| 85.0 | 10.355 | 11.127 | 12.279 | 13.287 | 13.484 |
| 85.5 | 8.732 | 9.439 | 10.499 | 11.376 | 11.520 |
| 86.0 | 7.135 | 7.855 | 8.837 | 9.596 | 9.687 |
| 86.5 | 5.695 | 6.402 | 7.305 | 7.959 | 8.012 |
| 87.0 | 4.412 | 5.053 | 5.891 | 6.480 | 6.506 |
| 87.5 | 3.273 | 3.888 | 4.634 | 5.184 | 5.171 |
| 88.0 | 2.304 | 2.880 | 3.574 | 4.045 | 3.993 |
| 88.5 | 1.545 | 2.081 | 2.631 | 2.932 | 2.802 |
| 89.0 | 0.969 | 1.414 | 1.741 | 1.924 | 1.754 |
| 89.5 | 0.615 | 0.864 | 1.047 | 1.165 | 1.021 |
| 90.0 | 0.484 | 0.694 | 0.851 | 0.943 | 0.877 |
| 90.5 | 1.021 | 1.663 | 1.558 | 1.270 | 0.943 |
| 91.0 | 1.270 | 2.474 | 2.252 | 1.964 | 1.649 |
| 91.5 | 1.571 | 3.495 | 3.063 | 2.671 | 2.330 |
| 92.0 | 1.937 | 4.660 | 4.058 | 3.443 | 3.076 |
| 92.5 | 2.369 | 5.799 | 5.420 | 4.399 | 3.927 |
| 93.0 | 2.841 | 6.807 | 7.069 | 5.655 | 5.014 |
| 93.5 | 3.391 | 7.894 | 8.928 | 7.279 | 6.454 |
| 94.0 | 4.006 | 9.007 | 11.010 | 9.242 | 8.221 |
| 94.5 | 4.674 | 9.805 | 13.104 | 11.586 | 10.355 |
| 95.0 | 5.380 | 10.709 | 15.094 | 14.204 | 12.895 |
| 95.5 | 6.127 | 11.717 | 16.927 | 16.888 | 15.683 |
| 96.0 | 6.899 | 12.725 | 18.746 | 19.611 | 18.563 |
| 96.5 | 7.698 | 13.746 | 20.710 | 22.255 | 21.456 |
| 97.0 | 8.496 | 14.780 | 23.014 | 24.886 | 24.310 |
| 97.5 | 9.347 | 15.814 | 25.410 | 27.504 | 27.203 |
| 98.0 | 10.198 | 16.888 | 27.740 | 30.175 | 30.083 |
| 98.5 | 11.049 | 17.974 | 29.835 | 32.885 | 33.003 |
| 99.0 | 11.965 | 19.035 | 31.785 | 35.713 | 35.961 |
| 99.5 | 12.869 | 20.134 | 33.919 | 38.619 | 38.972 |
| 100.0 | 13.772 | 21.260 | 35.974 | 41.735 | 42.049 |
| 100.5 | 14.701 | 22.373 | 38.148 | 45.125 | 45.191 |
| 101.0 | 15.644 | 23.485 | 40.504 | 48.463 | 48.385 |
| 101.5 | 16.613 | 24.611 | 42.795 | 51.592 | 51.631 |
| 102.0 | 17.555 | 25.750 | 45.112 | 54.394 | 54.891 |
| 102.5 | 18.511 | 26.902 | 47.364 | 57.195 | 58.242 |
| 103.0 | 19.480 | 28.054 | 49.537 | 60.075 | 61.594 |
| 103.5 | 20.461 | 29.154 | 51.645 | 62.955 | 64.984 |
| 104.0 | 21.430 | 30.267 | 53.687 | 65.940 | 68.323 |
| 104.5 | 22.399 | 31.393 | 55.690 | 69.069 | 71.713 |
| 105.0 | 23.381 | 32.518 | 57.706 | 72.368 | 75.065 |
| 105.5 | 24.350 | 33.592 | 59.761 | 75.667 | 78.416 |
| 106.0 | 25.305 | 34.600 | 61.764 | 78.835 | 81.754 |
| 106.5 | 26.274 | 35.556 | 63.728 | 82.003 | 85.053 |
| 107.0 | 27.230 | 36.550 | 65.587 | 85.145 | 88.391 |
| 107.5 | 28.172 | 37.637 | 67.354 | 88.129 | 91.664 |
| 108.0 | 29.115 | 38.737 | 69.108 | 90.970 | 94.885 |
| 108.5 | 30.031 | 39.784 | 70.797 | 93.732 | 98.092 |
| 109.0 | 30.947 | 40.740 | 72.472 | 96.469 | 101.194 |
| 109.5 | 31.851 | 41.630 | 74.083 | 99.139 | 104.245 |
| 110.0 | 32.754 | 42.507 | 75.680 | 101.744 | 107.256 |
| 110.5 | 33.644 | 43.476 | 77.198 | 104.310 | 110.214 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-30U-70D-EM10WLP-DIM-UNV_(EMER MODE).IES****CANDELA TABULATION - (Cont.)**

| | | | | | |
|-------|--------|--------|--------|---------|---------|
| 111.0 | 34.521 | 44.510 | 78.638 | 106.784 | 113.134 |
| 111.5 | 35.385 | 45.518 | 80.000 | 109.193 | 115.948 |
| 112.0 | 36.236 | 46.487 | 81.257 | 111.523 | 118.697 |
| 112.5 | 37.074 | 47.377 | 82.422 | 113.762 | 121.394 |
| 113.0 | 37.899 | 48.202 | 83.495 | 115.883 | 123.947 |
| 113.5 | 38.697 | 48.935 | 84.529 | 117.938 | 126.473 |
| 114.0 | 39.496 | 49.589 | 85.498 | 119.889 | 128.948 |
| 114.5 | 40.281 | 50.204 | 86.415 | 121.748 | 131.304 |
| 115.0 | 41.041 | 50.833 | 87.265 | 123.489 | 133.399 |
| 115.5 | 41.800 | 51.501 | 88.025 | 125.125 | 135.493 |
| 116.0 | 42.533 | 52.181 | 88.692 | 126.617 | 137.588 |
| 116.5 | 43.240 | 52.901 | 89.282 | 128.005 | 139.421 |
| 117.0 | 43.934 | 53.595 | 89.727 | 129.249 | 141.122 |
| 117.5 | 44.615 | 54.276 | 90.054 | 130.348 | 142.693 |
| 118.0 | 45.269 | 54.917 | 90.329 | 131.304 | 144.133 |
| 118.5 | 45.884 | 55.506 | 90.643 | 132.220 | 145.573 |
| 119.0 | 46.487 | 56.056 | 90.931 | 133.006 | 146.752 |
| 119.5 | 47.076 | 56.554 | 91.219 | 133.530 | 147.799 |
| 120.0 | 47.652 | 56.999 | 91.481 | 134.053 | 148.584 |
| 120.5 | 48.202 | 57.378 | 91.664 | 134.315 | 149.370 |
| 121.0 | 48.725 | 57.732 | 91.782 | 134.577 | 150.024 |
| 121.5 | 49.249 | 58.046 | 91.808 | 134.577 | 150.417 |
| 122.0 | 49.746 | 58.360 | 91.769 | 134.577 | 150.679 |
| 122.5 | 50.218 | 58.688 | 91.638 | 134.446 | 150.941 |
| 123.0 | 50.676 | 59.002 | 91.455 | 134.184 | 150.941 |
| 123.5 | 51.121 | 59.290 | 91.193 | 133.791 | 150.810 |
| 124.0 | 51.540 | 59.591 | 90.852 | 133.268 | 150.548 |
| 124.5 | 51.933 | 59.853 | 90.460 | 132.613 | 150.155 |
| 125.0 | 52.312 | 60.128 | 90.015 | 131.828 | 149.632 |
| 125.5 | 52.666 | 60.363 | 89.556 | 131.042 | 148.977 |
| 126.0 | 53.006 | 60.586 | 89.059 | 130.165 | 148.192 |
| 126.5 | 53.320 | 60.808 | 88.561 | 129.196 | 147.275 |
| 127.0 | 53.621 | 61.005 | 88.038 | 128.136 | 146.097 |
| 127.5 | 53.883 | 61.201 | 87.501 | 126.971 | 144.919 |
| 128.0 | 54.145 | 61.358 | 86.951 | 125.753 | 143.741 |
| 128.5 | 54.367 | 61.489 | 86.362 | 124.444 | 142.301 |
| 129.0 | 54.590 | 61.594 | 85.760 | 123.070 | 140.730 |
| 129.5 | 54.786 | 61.672 | 85.132 | 121.669 | 139.159 |
| 130.0 | 54.970 | 61.712 | 84.490 | 120.177 | 137.326 |
| 130.5 | 55.127 | 61.738 | 83.849 | 118.632 | 135.624 |
| 131.0 | 55.271 | 61.738 | 83.181 | 117.035 | 133.660 |
| 131.5 | 55.415 | 61.685 | 82.500 | 115.438 | 131.697 |
| 132.0 | 55.506 | 61.620 | 81.806 | 113.801 | 129.759 |
| 132.5 | 55.598 | 61.541 | 81.126 | 112.152 | 127.717 |
| 133.0 | 55.663 | 61.437 | 80.432 | 110.489 | 125.662 |
| 133.5 | 55.716 | 61.332 | 79.751 | 108.787 | 123.580 |
| 134.0 | 55.755 | 61.214 | 79.044 | 107.125 | 121.499 |
| 134.5 | 55.781 | 61.083 | 78.337 | 105.462 | 119.365 |
| 135.0 | 55.794 | 60.952 | 77.630 | 103.773 | 117.257 |
| 135.5 | 55.768 | 60.795 | 76.923 | 102.124 | 115.150 |
| 136.0 | 55.742 | 60.638 | 76.243 | 100.461 | 113.029 |
| 136.5 | 55.703 | 60.468 | 75.549 | 98.851 | 110.960 |
| 137.0 | 55.637 | 60.298 | 74.868 | 97.228 | 108.866 |
| 137.5 | 55.559 | 60.114 | 74.187 | 95.644 | 106.771 |
| 138.0 | 55.480 | 59.905 | 73.507 | 94.073 | 104.781 |
| 138.5 | 55.375 | 59.696 | 72.826 | 92.528 | 102.726 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-30U-70D-EM10WLP-DIM-UNV_(EMER MODE).IES****CANDELA TABULATION - (Cont.)**

| | | | | | |
|-------|--------|--------|--------|--------|---------|
| 139.0 | 55.258 | 59.473 | 72.158 | 91.023 | 100.749 |
| 139.5 | 55.127 | 59.237 | 71.504 | 89.530 | 98.825 |
| 140.0 | 54.983 | 58.989 | 70.836 | 88.077 | 96.953 |
| 140.5 | 54.813 | 58.727 | 70.182 | 86.650 | 95.081 |
| 141.0 | 54.655 | 58.452 | 69.540 | 85.236 | 93.261 |
| 141.5 | 54.459 | 58.164 | 68.899 | 83.862 | 91.494 |
| 142.0 | 54.276 | 57.863 | 68.270 | 82.526 | 89.779 |
| 142.5 | 54.079 | 57.549 | 67.629 | 81.230 | 88.116 |
| 143.0 | 53.870 | 57.234 | 67.013 | 79.948 | 86.506 |
| 143.5 | 53.674 | 56.907 | 66.398 | 78.717 | 84.922 |
| 144.0 | 53.451 | 56.580 | 65.783 | 77.513 | 83.377 |
| 144.5 | 53.229 | 56.239 | 65.168 | 76.347 | 81.885 |
| 145.0 | 52.993 | 55.886 | 64.565 | 75.195 | 80.445 |
| 145.5 | 52.757 | 55.533 | 63.976 | 74.083 | 79.031 |
| 146.0 | 52.509 | 55.166 | 63.374 | 72.996 | 77.670 |
| 146.5 | 52.247 | 54.813 | 62.798 | 71.936 | 76.334 |
| 147.0 | 51.972 | 54.446 | 62.209 | 70.915 | 75.051 |
| 147.5 | 51.723 | 54.093 | 61.633 | 69.907 | 73.821 |
| 148.0 | 51.448 | 53.700 | 61.057 | 68.938 | 72.630 |
| 148.5 | 51.160 | 53.320 | 60.494 | 67.982 | 71.464 |
| 149.0 | 50.872 | 52.941 | 59.931 | 67.066 | 70.312 |
| 149.5 | 50.584 | 52.561 | 59.381 | 66.149 | 69.200 |
| 150.0 | 50.296 | 52.194 | 58.818 | 65.272 | 68.126 |
| 150.5 | 49.995 | 51.828 | 58.256 | 64.421 | 67.092 |
| 151.0 | 49.720 | 51.461 | 57.706 | 63.571 | 66.084 |
| 151.5 | 49.419 | 51.108 | 57.156 | 62.746 | 65.089 |
| 152.0 | 49.131 | 50.741 | 56.606 | 61.934 | 64.133 |
| 152.5 | 48.856 | 50.362 | 56.056 | 61.149 | 63.204 |
| 153.0 | 48.594 | 49.982 | 55.519 | 60.376 | 62.314 |
| 153.5 | 48.319 | 49.589 | 54.970 | 59.617 | 61.450 |
| 154.0 | 48.044 | 49.223 | 54.446 | 58.871 | 60.586 |
| 154.5 | 47.770 | 48.817 | 53.909 | 58.151 | 59.761 |
| 155.0 | 47.482 | 48.450 | 53.373 | 57.444 | 58.936 |
| 155.5 | 47.207 | 48.097 | 52.849 | 56.737 | 58.164 |
| 156.0 | 46.906 | 47.730 | 52.312 | 56.056 | 57.392 |
| 156.5 | 46.618 | 47.377 | 51.789 | 55.362 | 56.632 |
| 157.0 | 46.316 | 47.023 | 51.252 | 54.708 | 55.886 |
| 157.5 | 46.028 | 46.683 | 50.715 | 54.053 | 55.166 |
| 158.0 | 45.740 | 46.330 | 50.204 | 53.399 | 54.446 |
| 158.5 | 45.465 | 45.976 | 49.668 | 52.783 | 53.778 |
| 159.0 | 45.191 | 45.636 | 49.157 | 52.155 | 53.085 |
| 159.5 | 44.916 | 45.295 | 48.647 | 51.553 | 52.404 |
| 160.0 | 44.641 | 44.955 | 48.149 | 50.951 | 51.749 |
| 160.5 | 44.379 | 44.628 | 47.639 | 50.362 | 51.095 |
| 161.0 | 44.130 | 44.300 | 47.141 | 49.786 | 50.479 |
| 161.5 | 43.855 | 43.973 | 46.644 | 49.223 | 49.864 |
| 162.0 | 43.593 | 43.659 | 46.159 | 48.620 | 49.262 |
| 162.5 | 43.345 | 43.332 | 45.688 | 48.044 | 48.660 |
| 163.0 | 43.083 | 43.031 | 45.217 | 47.482 | 48.071 |
| 163.5 | 42.847 | 42.729 | 44.745 | 46.919 | 47.468 |
| 164.0 | 42.599 | 42.428 | 44.287 | 46.369 | 46.892 |
| 164.5 | 42.363 | 42.127 | 43.803 | 45.832 | 46.303 |
| 165.0 | 42.127 | 41.839 | 43.319 | 45.308 | 45.754 |
| 165.5 | 41.892 | 41.564 | 42.860 | 44.785 | 45.204 |
| 166.0 | 41.669 | 41.289 | 42.468 | 44.261 | 44.667 |
| 166.5 | 41.447 | 41.028 | 42.088 | 43.764 | 44.143 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-30U-70D-EM10WLP-DIM-UNV_(EMER MODE).IES****CANDELA TABULATION - (Cont.)**

| | | | | | |
|-------|--------|--------|--------|--------|--------|
| 167.0 | 41.237 | 40.766 | 41.721 | 43.266 | 43.620 |
| 167.5 | 41.028 | 40.504 | 41.355 | 42.782 | 43.135 |
| 168.0 | 40.831 | 40.255 | 41.001 | 42.311 | 42.638 |
| 168.5 | 40.622 | 40.006 | 40.661 | 41.787 | 42.167 |
| 169.0 | 40.412 | 39.758 | 40.334 | 41.355 | 41.682 |
| 169.5 | 40.216 | 39.522 | 40.033 | 40.975 | 41.159 |
| 170.0 | 40.033 | 39.300 | 39.732 | 40.609 | 40.766 |
| 170.5 | 39.836 | 39.090 | 39.457 | 40.255 | 40.412 |
| 171.0 | 39.666 | 38.881 | 39.169 | 39.915 | 40.059 |
| 171.5 | 39.509 | 38.684 | 38.920 | 39.601 | 39.732 |
| 172.0 | 39.339 | 38.501 | 38.671 | 39.286 | 39.417 |
| 172.5 | 39.208 | 38.318 | 38.436 | 39.012 | 39.116 |
| 173.0 | 39.051 | 38.161 | 38.226 | 38.737 | 38.828 |
| 173.5 | 38.920 | 38.004 | 38.004 | 38.475 | 38.540 |
| 174.0 | 38.789 | 37.846 | 37.820 | 38.239 | 38.278 |
| 174.5 | 38.671 | 37.716 | 37.637 | 38.017 | 38.017 |
| 175.0 | 38.566 | 37.598 | 37.467 | 37.794 | 37.755 |
| 175.5 | 38.475 | 37.493 | 37.310 | 37.598 | 37.519 |
| 176.0 | 38.383 | 37.388 | 37.166 | 37.401 | 37.297 |
| 176.5 | 38.305 | 37.297 | 37.035 | 37.231 | 37.087 |
| 177.0 | 38.252 | 37.218 | 36.917 | 37.087 | 36.878 |
| 177.5 | 38.187 | 37.153 | 36.825 | 36.943 | 36.708 |
| 178.0 | 38.148 | 37.100 | 36.747 | 36.838 | 36.590 |
| 178.5 | 38.108 | 37.061 | 36.681 | 36.747 | 36.511 |
| 179.0 | 38.082 | 37.022 | 36.629 | 36.681 | 36.459 |
| 179.5 | 38.069 | 37.009 | 36.603 | 36.642 | 36.433 |
| 180.0 | 36.865 | 36.865 | 36.865 | 36.865 | 36.865 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-30U-70D-EM10WLP-DIM-UNV_(EMER MODE).IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 101.40 | N.A. | 7.90 |
| 0-30 | 222.96 | N.A. | 17.30 |
| 0-40 | 379.10 | N.A. | 29.40 |
| 0-60 | 704.07 | N.A. | 54.60 |
| 0-80 | 887.61 | N.A. | 68.80 |
| 0-90 | 902.82 | N.A. | 70.00 |
| 10-90 | 877.28 | N.A. | 68.00 |
| 20-40 | 277.70 | N.A. | 21.50 |
| 20-50 | 447.10 | N.A. | 34.70 |
| 40-70 | 443.16 | N.A. | 34.40 |
| 60-80 | 183.54 | N.A. | 14.20 |
| 70-80 | 65.36 | N.A. | 5.10 |
| 80-90 | 15.20 | N.A. | 1.20 |
| 90-110 | 70.40 | N.A. | 5.50 |
| 90-120 | 155.70 | N.A. | 12.10 |
| 90-130 | 240.80 | N.A. | 18.70 |
| 90-150 | 346.16 | N.A. | 26.80 |
| 90-180 | 387.16 | N.A. | 30.00 |
| 110-180 | 316.76 | N.A. | 24.60 |
| 0-180 | 1289.98 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 25.53 |
| 10-20 | 75.87 |
| 20-30 | 121.56 |
| 30-40 | 156.13 |
| 40-50 | 169.41 |
| 50-60 | 155.56 |
| 60-70 | 118.19 |
| 70-80 | 65.36 |
| 80-90 | 15.20 |
| 90-100 | 14.77 |
| 100-110 | 55.63 |
| 110-120 | 85.30 |
| 120-130 | 85.10 |
| 130-140 | 63.84 |
| 140-150 | 41.52 |
| 150-160 | 24.80 |
| 160-170 | 12.53 |
| 170-180 | 3.68 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-30U-70D-EM10WLP-DIM-UNV_(EMER MODE).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 | 106 | 106 | 106 | 106 | 94 | 94 | 94 | 84 | 84 | 84 | 74 | 74 | 74 | 70 |
| 1 | 102 | 97 | 93 | 89 | 96 | 92 | 89 | 85 | 82 | 80 | 77 | 74 | 71 | 69 | 65 | 64 | 62 | 58 |
| 2 | 92 | 85 | 78 | 72 | 87 | 80 | 74 | 69 | 72 | 67 | 63 | 64 | 61 | 57 | 57 | 54 | 52 | 48 |
| 3 | 84 | 74 | 66 | 60 | 79 | 70 | 63 | 57 | 63 | 57 | 53 | 56 | 52 | 48 | 50 | 47 | 44 | 40 |
| 4 | 77 | 65 | 57 | 50 | 72 | 62 | 54 | 48 | 56 | 49 | 44 | 50 | 45 | 41 | 44 | 40 | 37 | 34 |
| 5 | 70 | 58 | 49 | 43 | 66 | 55 | 47 | 41 | 50 | 43 | 38 | 44 | 39 | 35 | 40 | 35 | 32 | 29 |
| 6 | 65 | 52 | 43 | 37 | 61 | 49 | 41 | 36 | 44 | 38 | 33 | 40 | 35 | 30 | 36 | 31 | 28 | 25 |
| 7 | 60 | 47 | 38 | 32 | 56 | 44 | 37 | 31 | 40 | 34 | 29 | 36 | 31 | 27 | 33 | 28 | 25 | 22 |
| 8 | 55 | 42 | 34 | 28 | 52 | 40 | 33 | 28 | 37 | 30 | 26 | 33 | 28 | 24 | 30 | 25 | 22 | 20 |
| 9 | 52 | 39 | 31 | 25 | 49 | 37 | 30 | 25 | 34 | 27 | 23 | 30 | 25 | 21 | 27 | 23 | 20 | 18 |
| 10 | 48 | 35 | 28 | 23 | 45 | 34 | 27 | 22 | 31 | 25 | 21 | 28 | 23 | 19 | 25 | 21 | 18 | 16 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-30U-70D-EM10WLP-DIM-UNV_(EMER MODE).IES

UGR TABLE - CORRECTED

Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| Ceiling Cavity | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Walls | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Floor Cavity | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

Room Size UGR Viewed Crosswise

| X=2H | Y=2H | 10.7 | 11.8 | 11.5 | 12.6 | 13.6 | 12.8 | 13.9 | 13.6 | 14.7 | 15.7 |
|------|------|------|------|------|------|------|------|------|------|------|------|
| | 3H | 12.2 | 13.2 | 12.9 | 14.0 | 15.0 | 14.5 | 15.5 | 15.3 | 16.3 | 17.3 |
| | 4H | 12.6 | 13.6 | 13.4 | 14.4 | 15.3 | 15.1 | 16.1 | 15.9 | 16.9 | 17.9 |
| | 6H | 12.8 | 13.7 | 13.6 | 14.5 | 15.5 | 15.5 | 16.4 | 16.3 | 17.2 | 18.2 |
| | 8H | 12.9 | 13.7 | 13.7 | 14.5 | 15.5 | 15.6 | 16.4 | 16.4 | 17.2 | 18.2 |
| | 12H | 12.9 | 13.7 | 13.7 | 14.5 | 15.5 | 15.6 | 16.4 | 16.4 | 17.2 | 18.3 |

UGR Viewed Endwise

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 11.4 | 12.4 | 12.2 | 13.2 | 14.2 | 13.1 | 14.1 | 13.9 | 14.9 | 15.9 |
| | 3H | 13.1 | 13.9 | 13.9 | 14.7 | 15.7 | 15.0 | 15.8 | 15.8 | 16.7 | 17.7 |
| | 4H | 13.6 | 14.3 | 14.4 | 15.1 | 16.2 | 15.7 | 16.4 | 16.6 | 17.3 | 18.3 |
| | 6H | 13.9 | 14.5 | 14.7 | 15.4 | 16.4 | 16.2 | 16.8 | 17.0 | 17.7 | 18.7 |
| | 8H | 13.9 | 14.5 | 14.8 | 15.4 | 16.4 | 16.3 | 16.9 | 17.1 | 17.7 | 18.8 |
| | 12H | 13.9 | 14.5 | 14.8 | 15.3 | 16.4 | 16.4 | 16.9 | 17.2 | 17.8 | 18.8 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 13.9 | 14.4 | 14.7 | 15.3 | 16.3 | 15.8 | 16.4 | 16.6 | 17.2 | 18.3 |
| | 6H | 14.2 | 14.7 | 15.1 | 15.6 | 16.7 | 16.3 | 16.8 | 17.2 | 17.7 | 18.8 |
| | 8H | 14.3 | 14.7 | 15.2 | 15.6 | 16.7 | 16.5 | 16.9 | 17.4 | 17.8 | 18.9 |
| | 12H | 14.3 | 14.7 | 15.2 | 15.6 | 16.7 | 16.6 | 17.0 | 17.5 | 17.8 | 19.0 |

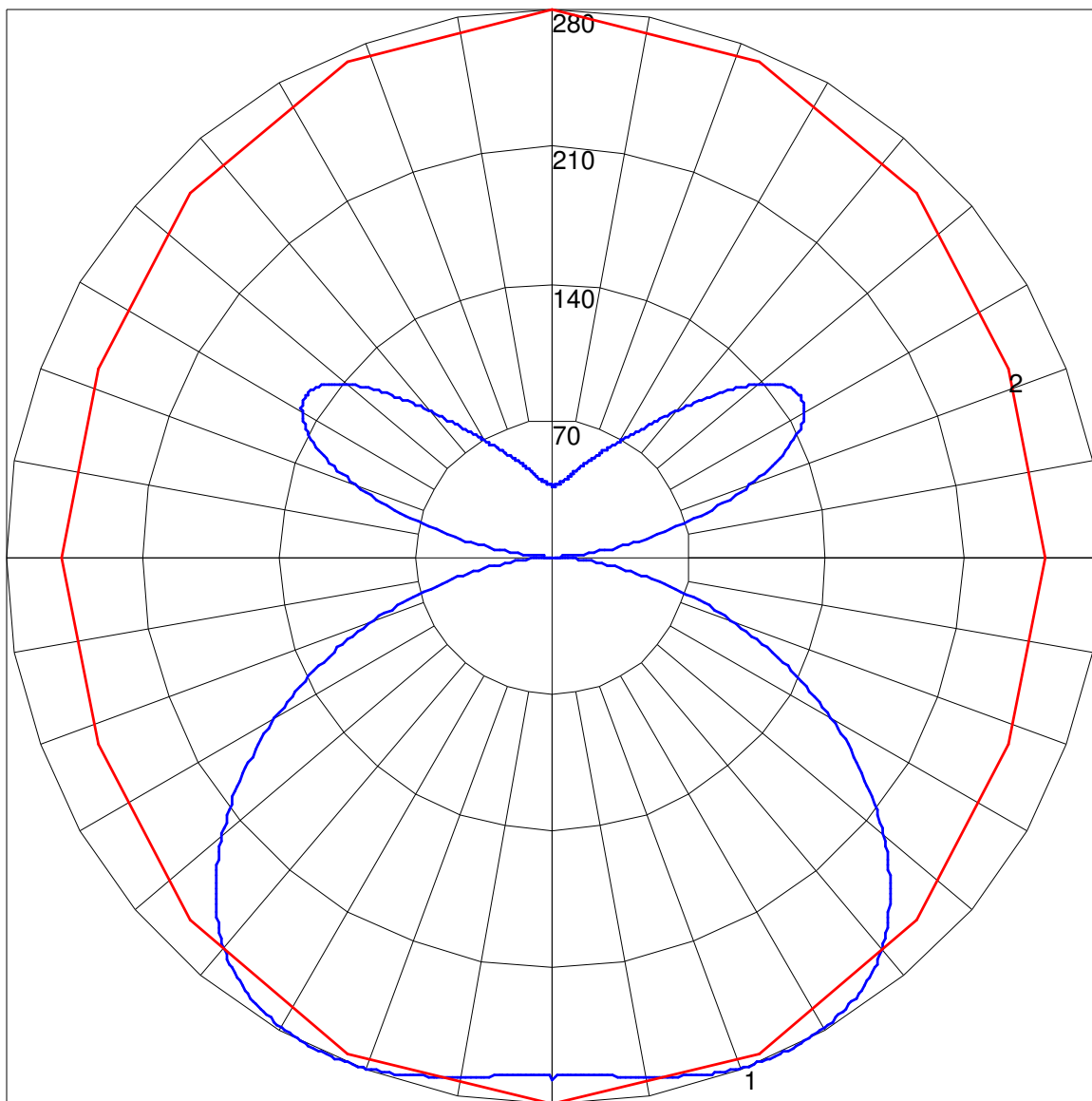
| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 13.9 | 14.4 | 14.7 | 15.3 | 16.3 | 15.8 | 16.3 | 16.6 | 17.2 | 18.2 |
| | 6H | 14.3 | 14.7 | 15.2 | 15.6 | 16.7 | 16.3 | 16.8 | 17.2 | 17.6 | 18.7 |
| | 8H | 14.4 | 14.7 | 15.3 | 15.6 | 16.8 | 16.5 | 16.9 | 17.4 | 17.8 | 18.9 |

Maximum UGR = 19.0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-30U-70D-EM10WLP-DIM-UNV_(EMER MODE).IES

POLAR GRAPH



Maximum Candela = 279.757 Located At Horizontal Angle = 90, Vertical Angle = 24.5

1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (24.5) (Through Max. Cd.)