

IES Report

ZipTwo® | 707 | Square 3536/30, Soft Wash | 80 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-35-A3-X-WH-0

| | 2700K | 3000K | 3500K | 4000K |
|--|-------|-------|-------|-------|
| Efficacy - Lumens per Watt | 89 | 92 | 94 | 94 |
| Total Lumens, 4' rail length (1219mm) | 1317 | 1358 | 1386 | 1386 |
| Lumens per foot (305mm) | 329 | 340 | 347 | 347 |
| Input Power (W), 4' rail length (1219mm) | 14.9 | 14.9 | 14.9 | 14.9 |
| Watts per foot (305mm) | 3.8 | 3.8 | 3.8 | 3.8 |
| CRI | 82 | 82 | 82 | 82 |

Due to the large number of options in Vode's product offering, most Vode IES reports are factored reports prepared from source reports. Source reports are the IES test reports prepared for Vode by an NVLAP accredited photometric test laboratory. Factored reports are based on data from the Vode source reports.

If the data above is in black, it is directly from a Vode source report. If it is in grey, it is factored from Vode source reports. Reference details on Vode source reports can be found on the [IES File Finder](#) page on [vode.com](#).



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z2_LO_35_A3_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L092011501 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 9/9/2020

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-LO-35-A3-WH

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,

[MORE] square 3536/30 soft wash lens, low output

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 1386 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 93 |
| Total Luminaire Watts | 14.89 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.74 |
| Spacing Criterion (90-270) | 1.26 |
| Spacing Criterion (Diagonal) | 1.38 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 0.13 ft |
| Luminous Width (90-270) | 3.99 ft |
| Luminous Height | 0.08 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 8295 | 8097 | 7650 |
| 55 | 8006 | 7805 | 7279 |
| 65 | 7705 | 7488 | 6872 |
| 75 | 7405 | 7151 | 6341 |
| 85 | 7094 | 6820 | 5796 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_LO_35_A3_WH.IES

CANDELA TABULATION

| | <u>0</u> | <u>5</u> | <u>10</u> | <u>15</u> | <u>20</u> | <u>25</u> | <u>30</u> | <u>35</u> | <u>40</u> | <u>45</u> |
|------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 |
| 5 | 429.879 | 429.786 | 429.635 | 429.200 | 428.666 | 427.837 | 427.013 | 425.993 | 424.873 | 423.510 |
| 10 | 451.663 | 451.513 | 450.880 | 449.912 | 448.694 | 447.093 | 445.144 | 442.766 | 440.284 | 437.221 |
| 15 | 468.385 | 468.193 | 467.265 | 465.856 | 463.867 | 461.193 | 458.223 | 454.581 | 450.445 | 446.072 |
| 20 | 480.054 | 479.764 | 478.546 | 476.603 | 474.028 | 470.426 | 466.390 | 461.581 | 456.037 | 450.103 |
| 25 | 486.081 | 485.692 | 484.283 | 481.852 | 478.593 | 474.220 | 469.307 | 463.182 | 456.425 | 449.135 |
| 30 | 486.858 | 486.133 | 484.480 | 481.661 | 477.868 | 472.810 | 466.975 | 459.876 | 452.000 | 443.445 |
| 35 | 481.899 | 481.220 | 479.179 | 476.116 | 471.836 | 466.245 | 459.586 | 451.710 | 442.958 | 433.040 |
| 40 | 471.789 | 471.059 | 468.826 | 465.520 | 460.897 | 454.674 | 447.284 | 438.828 | 429.391 | 418.603 |
| 45 | 457.011 | 456.234 | 454.041 | 450.399 | 445.440 | 438.874 | 430.899 | 422.002 | 411.794 | 400.223 |
| 50 | 438.242 | 437.511 | 435.081 | 431.340 | 426.184 | 419.282 | 410.872 | 401.441 | 391.036 | 379.123 |
| 55 | 416.167 | 415.442 | 412.914 | 408.923 | 403.628 | 396.575 | 388.310 | 378.247 | 366.821 | 354.473 |
| 60 | 391.570 | 390.740 | 388.264 | 384.227 | 378.589 | 371.293 | 362.691 | 352.385 | 340.715 | 327.926 |
| 65 | 364.344 | 363.469 | 361.085 | 357.048 | 351.219 | 343.824 | 334.979 | 324.574 | 312.516 | 299.732 |
| 70 | 335.368 | 334.492 | 332.015 | 327.880 | 321.854 | 314.511 | 305.660 | 295.011 | 283.005 | 269.926 |
| 75 | 304.738 | 303.961 | 301.287 | 297.105 | 291.270 | 283.881 | 275.030 | 264.625 | 252.184 | 238.960 |
| 80 | 272.942 | 272.165 | 269.439 | 265.309 | 259.330 | 251.940 | 242.747 | 232.348 | 220.626 | 207.257 |
| 85 | 239.592 | 238.664 | 236.043 | 232.006 | 226.270 | 218.492 | 209.641 | 198.702 | 188.738 | 175.902 |
| 90 | 205.268 | 204.438 | 201.811 | 197.925 | 192.966 | 185.525 | 176.970 | 166.663 | 155.434 | 142.547 |
| 95 | 171.622 | 170.793 | 168.316 | 164.331 | 158.885 | 151.687 | 143.376 | 133.359 | 122.131 | 110.171 |
| 100 | 136.810 | 136.080 | 133.649 | 129.810 | 124.561 | 117.804 | 109.829 | 100.398 | 89.796 | 78.468 |
| 105 | 102.387 | 101.755 | 99.522 | 95.874 | 90.967 | 84.593 | 77.157 | 68.405 | 58.534 | 48.082 |
| 110 | 69.327 | 68.747 | 66.607 | 63.301 | 58.777 | 52.896 | 46.093 | 38.019 | 28.977 | 19.401 |
| 115 | 37.828 | 37.143 | 35.247 | 32.236 | 28.200 | 22.852 | 16.675 | 9.384 | 2.627 | 0.000 |
| 120 | 8.265 | 7.679 | 6.078 | 3.695 | 1.363 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

**Vert.
Angles**

Horizontal Angles

| | <u>50</u> | <u>55</u> | <u>60</u> | <u>65</u> | <u>70</u> | <u>75</u> | <u>80</u> | <u>85</u> | <u>90</u> | <u>95</u> |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 |
| 5 | 422.147 | 420.691 | 418.992 | 417.339 | 415.686 | 413.836 | 411.991 | 410.095 | 408.390 | 406.348 |
| 10 | 434.060 | 430.708 | 427.106 | 423.174 | 419.381 | 415.297 | 411.116 | 407.032 | 402.943 | 398.524 |
| 15 | 441.113 | 435.957 | 430.319 | 424.386 | 418.505 | 412.426 | 405.861 | 399.591 | 393.414 | 386.802 |
| 20 | 443.445 | 436.589 | 429.101 | 421.179 | 413.204 | 405.136 | 396.529 | 388.217 | 379.900 | 371.148 |
| 25 | 440.962 | 432.506 | 423.267 | 413.546 | 403.819 | 394.000 | 383.107 | 372.853 | 362.639 | 351.898 |
| 30 | 433.915 | 423.852 | 413.012 | 401.731 | 390.502 | 378.833 | 366.189 | 354.229 | 342.322 | 329.875 |
| 35 | 422.298 | 411.063 | 399.005 | 386.176 | 373.387 | 359.722 | 346.063 | 332.549 | 319.081 | 305.126 |
| 40 | 406.592 | 394.533 | 381.263 | 367.117 | 353.017 | 338.186 | 323.066 | 308.287 | 293.654 | 278.290 |
| 45 | 387.730 | 374.599 | 360.116 | 345.088 | 329.921 | 313.925 | 297.737 | 282.031 | 266.133 | 249.748 |
| 50 | 365.412 | 351.509 | 336.388 | 320.438 | 304.494 | 287.721 | 270.558 | 253.785 | 237.208 | 219.849 |
| 55 | 340.669 | 326.180 | 310.375 | 293.944 | 277.315 | 260.205 | 242.359 | 224.419 | 207.159 | 190.095 |
| 60 | 313.681 | 298.514 | 282.762 | 266.185 | 248.536 | 230.840 | 212.605 | 195.350 | 177.167 | 158.787 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_LO_35_A3_WH.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 65 | 285.337 | 269.683 | 253.593 | 236.675 | 218.585 | 199.822 | 182.804 | 164.668 | 146.096 | 127.722 |
| 70 | 255.635 | 239.981 | 223.254 | 203.029 | 188.738 | 170.160 | 151.931 | 133.748 | 115.374 | 97.771 |
| 75 | 224.762 | 209.009 | 193.012 | 175.415 | 157.864 | 139.438 | 121.400 | 103.507 | 85.080 | 68.504 |
| 80 | 193.790 | 178.135 | 161.507 | 144.200 | 126.945 | 108.953 | 91.014 | 73.753 | 56.492 | 42.688 |
| 85 | 161.507 | 146.148 | 130.053 | 113.135 | 96.558 | 79.344 | 62.182 | 45.849 | 29.951 | 14.587 |
| 90 | 128.644 | 114.254 | 98.791 | 82.894 | 67.193 | 51.342 | 35.299 | 19.349 | 4.524 | 0.000 |
| 95 | 96.895 | 83.282 | 68.649 | 53.627 | 38.895 | 24.064 | 8.851 | 0.000 | 0.000 | 0.000 |
| 100 | 66.021 | 53.337 | 39.718 | 25.717 | 11.913 | 1.218 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105 | 36.610 | 24.841 | 12.250 | 1.752 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110 | 8.897 | 1.119 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Vert. Angles Horizontal Angles

| | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 |
| 5 | 404.504 | 402.607 | 400.809 | 399.156 | 397.503 | 396.186 | 394.632 | 393.223 | 391.958 | 390.839 |
| 10 | 394.533 | 390.502 | 386.512 | 382.771 | 379.221 | 375.718 | 372.511 | 369.350 | 366.630 | 364.147 |
| 15 | 380.584 | 374.262 | 368.428 | 362.494 | 357.048 | 351.898 | 346.985 | 342.270 | 338.186 | 334.393 |
| 20 | 362.981 | 354.618 | 346.794 | 338.964 | 331.864 | 325.107 | 318.785 | 312.516 | 307.214 | 302.255 |
| 25 | 341.881 | 332.108 | 322.242 | 312.806 | 304.204 | 296.084 | 288.451 | 280.964 | 274.595 | 268.714 |
| 30 | 318.107 | 306.344 | 295.452 | 284.560 | 274.497 | 265.066 | 256.360 | 247.857 | 240.613 | 233.850 |
| 35 | 292.100 | 278.968 | 266.620 | 254.469 | 243.287 | 232.882 | 223.207 | 213.724 | 205.656 | 198.360 |
| 40 | 263.999 | 249.603 | 236.135 | 223.352 | 211.004 | 199.769 | 189.028 | 179.208 | 170.648 | 162.678 |
| 45 | 234.390 | 219.072 | 204.682 | 191.313 | 178.280 | 166.321 | 154.993 | 144.733 | 135.691 | 127.333 |
| 50 | 203.708 | 187.665 | 172.933 | 158.787 | 145.174 | 132.971 | 121.353 | 110.652 | 101.367 | 92.957 |
| 55 | 173.374 | 156.745 | 141.526 | 126.747 | 113.425 | 100.589 | 89.216 | 78.468 | 69.037 | 60.384 |
| 60 | 141.868 | 125.680 | 109.440 | 95.195 | 82.018 | 69.525 | 58.099 | 47.061 | 37.874 | 29.319 |
| 65 | 110.751 | 94.807 | 79.396 | 65.389 | 51.487 | 39.428 | 28.246 | 17.649 | 8.555 | 1.462 |
| 70 | 81.241 | 65.244 | 50.367 | 36.807 | 23.188 | 11.327 | 2.140 | 0.000 | 0.000 | 0.000 |
| 75 | 52.652 | 37.485 | 23.043 | 9.773 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 80 | 25.769 | 11.084 | 0.876 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 85 | 2.239 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 90 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_LO_35_A3_WH.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 140 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Vert. Horizontal Angles
Angles

| | <u>150</u> | <u>155</u> | <u>160</u> | <u>165</u> | <u>170</u> | <u>175</u> | <u>180</u> |
|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 | 409.399 |
| 5 | 389.870 | 388.942 | 388.217 | 387.678 | 387.243 | 386.999 | 386.901 |
| 10 | 361.914 | 360.064 | 358.463 | 357.292 | 356.323 | 355.882 | 355.691 |
| 15 | 331.041 | 328.315 | 325.983 | 324.185 | 322.822 | 322.144 | 321.755 |
| 20 | 298.027 | 294.530 | 291.659 | 289.229 | 287.576 | 286.508 | 286.166 |
| 25 | 263.656 | 259.376 | 255.780 | 252.909 | 250.867 | 249.702 | 249.214 |
| 30 | 227.923 | 223.155 | 218.880 | 215.719 | 213.382 | 212.025 | 211.683 |
| 35 | 191.992 | 186.598 | 182.027 | 178.478 | 175.995 | 174.493 | 173.954 |
| 40 | 155.724 | 149.988 | 145.128 | 141.334 | 138.661 | 137.100 | 136.520 |
| 45 | 120.089 | 114.057 | 108.999 | 105.015 | 102.242 | 100.543 | 100.056 |
| 50 | 85.521 | 79.396 | 74.141 | 70.058 | 67.338 | 65.540 | 65.053 |
| 55 | 52.896 | 47.258 | 41.615 | 37.584 | 34.759 | 33.014 | 32.474 |
| 60 | 21.831 | 15.753 | 10.649 | 6.612 | 3.892 | 2.332 | 1.943 |
| 65 | 0.876 | 0.876 | 0.876 | 0.876 | 0.876 | 0.876 | 0.876 |
| 70 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 75 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 80 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 85 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 90 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 95 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_LO_35_A3_WH.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 150.03 | N.A. | 10.80 |
| 0-30 | 318.27 | N.A. | 23.00 |
| 0-40 | 520.60 | N.A. | 37.60 |
| 0-60 | 924.09 | N.A. | 66.70 |
| 0-80 | 1210.46 | N.A. | 87.30 |
| 0-90 | 1299.48 | N.A. | 93.80 |
| 10-90 | 1260.67 | N.A. | 91.00 |
| 20-40 | 370.57 | N.A. | 26.70 |
| 20-50 | 580.73 | N.A. | 41.90 |
| 40-70 | 564.37 | N.A. | 40.70 |
| 60-80 | 286.37 | N.A. | 20.70 |
| 70-80 | 125.49 | N.A. | 9.10 |
| 80-90 | 89.02 | N.A. | 6.40 |
| 90-110 | 80.06 | N.A. | 5.80 |
| 90-120 | 86.45 | N.A. | 6.20 |
| 90-130 | 86.60 | N.A. | 6.20 |
| 90-150 | 86.60 | N.A. | 6.20 |
| 90-180 | 86.60 | N.A. | 6.20 |
| 110-180 | 6.53 | N.A. | 0.50 |
| 0-180 | 1386.08 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 38.81 |
| 10-20 | 111.22 |
| 20-30 | 168.23 |
| 30-40 | 202.33 |
| 40-50 | 210.17 |
| 50-60 | 193.33 |
| 60-70 | 160.88 |
| 70-80 | 125.49 |
| 80-90 | 89.02 |
| 90-100 | 54.45 |
| 100-110 | 25.62 |
| 110-120 | 6.39 |
| 120-130 | 0.15 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

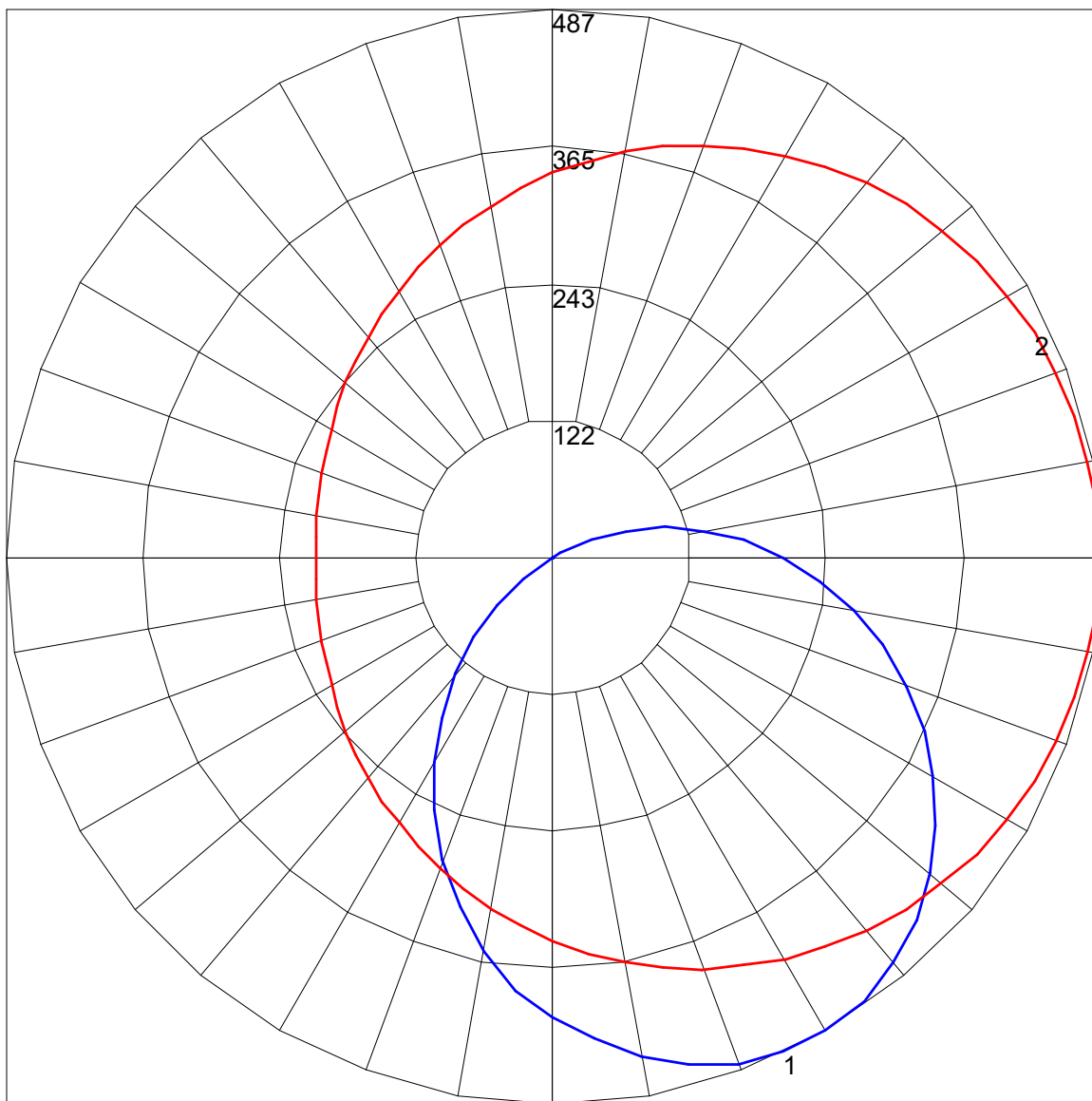
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_LO_35_A3_WH.IES

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 | 118 | 118 | 118 | 118 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 102 | 102 | 102 | 96 | 96 | 96 | 94 |
| 1 | 105 | 99 | 94 | 90 | 102 | 96 | 92 | 88 | 91 | 87 | 84 | 86 | 83 | 80 | 81 | 79 | 76 | 74 |
| 2 | 95 | 86 | 78 | 72 | 92 | 83 | 76 | 70 | 79 | 73 | 68 | 74 | 69 | 65 | 70 | 66 | 63 | 60 |
| 3 | 86 | 75 | 66 | 59 | 83 | 73 | 65 | 58 | 69 | 62 | 56 | 65 | 59 | 54 | 62 | 57 | 53 | 50 |
| 4 | 79 | 66 | 57 | 50 | 76 | 64 | 56 | 49 | 61 | 53 | 48 | 58 | 51 | 46 | 55 | 49 | 45 | 42 |
| 5 | 72 | 59 | 49 | 42 | 70 | 57 | 49 | 42 | 54 | 47 | 41 | 52 | 45 | 40 | 49 | 43 | 39 | 36 |
| 6 | 67 | 53 | 44 | 37 | 64 | 52 | 43 | 37 | 49 | 41 | 36 | 47 | 40 | 35 | 45 | 39 | 34 | 32 |
| 7 | 62 | 48 | 39 | 33 | 60 | 47 | 38 | 32 | 45 | 37 | 32 | 43 | 36 | 31 | 41 | 35 | 30 | 28 |
| 8 | 58 | 44 | 35 | 29 | 56 | 43 | 34 | 29 | 41 | 33 | 28 | 39 | 32 | 28 | 37 | 31 | 27 | 25 |
| 9 | 54 | 40 | 32 | 26 | 52 | 39 | 31 | 26 | 38 | 30 | 25 | 36 | 30 | 25 | 35 | 29 | 24 | 22 |
| 10 | 50 | 37 | 29 | 24 | 49 | 36 | 28 | 23 | 35 | 28 | 23 | 33 | 27 | 23 | 32 | 26 | 22 | 20 |

POLAR GRAPH



Maximum Candela = 486.858 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)