

IES Report

ZipOne® | 707 | 100° Asymmetric | 80 CRI | LO

707-Z1-4-48-X-XX-X-0-Z-LO-35-A2-X-AL-X

| | 2700K | 3000K | 3500K | 4000K |
|--|-------|-------|-------|-------|
| Efficacy - Lumens per Watt | 93 | 96 | 98 | 100 |
| Total Lumens, 4' rail length (1219mm) | 1511 | 1559 | 1590 | 1622 |
| Lumens per foot (305mm) | 378 | 390 | 398 | 406 |
| Input Power (W), 4' rail length (1219mm) | 16.3 | 16.3 | 16.3 | 16.3 |
| Watts per foot (305mm) | 4.1 | 4.1 | 4.1 | 4.1 |
| CRI | 85 | 85 | 85 | 85 |

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_Z1_LO_35_A2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L101707606 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 11/1/2017
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z1-48-Z-LO-35-A2
[LUMINAIRE] ZipOne LED, 48", 3500K, 80 CRI, zipper board,
[MORE] 100° asymmetric lens, low output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 1559 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 96 |
| Total Luminaire Watts | 16.25 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.36 |
| Spacing Criterion (90-270) | 1.26 |
| Spacing Criterion (Diagonal) | 1.20 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 0.06 ft |
| Luminous Width (90-270) | 3.98 ft |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 33281 | 32431 | 28257 |
| 55 | 31466 | 30146 | 24727 |
| 65 | 28182 | 26452 | 19962 |
| 75 | 24220 | 22000 | 14734 |
| 85 | 20978 | 17382 | 8091 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z1_LO_35_A2.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 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 |
| 5 | 722.68 | 722.10 | 722.10 | 722.10 | 721.52 | 720.94 | 720.36 | 719.20 | 718.62 | 717.46 |
| 10 | 727.90 | 727.32 | 727.32 | 726.74 | 726.16 | 725.58 | 724.42 | 723.26 | 722.10 | 720.36 |
| 15 | 721.52 | 721.52 | 720.94 | 720.94 | 719.78 | 719.20 | 718.62 | 716.88 | 715.72 | 713.98 |
| 20 | 706.44 | 706.44 | 706.44 | 705.86 | 705.28 | 704.70 | 703.54 | 702.38 | 700.64 | 698.90 |
| 25 | 683.24 | 683.24 | 683.24 | 682.66 | 682.66 | 681.50 | 680.34 | 679.18 | 678.02 | 676.28 |
| 30 | 653.08 | 653.08 | 653.08 | 652.50 | 651.92 | 651.34 | 650.18 | 649.02 | 647.86 | 646.12 |
| 35 | 616.54 | 615.96 | 615.96 | 615.38 | 614.22 | 613.64 | 612.48 | 610.74 | 609.58 | 607.84 |
| 40 | 573.04 | 573.04 | 572.46 | 571.88 | 570.72 | 569.56 | 567.82 | 566.08 | 564.34 | 562.60 |
| 45 | 522.58 | 522.00 | 521.42 | 520.84 | 519.10 | 517.36 | 515.62 | 513.88 | 511.56 | 509.24 |
| 50 | 465.16 | 464.58 | 464.00 | 462.84 | 461.10 | 459.36 | 457.04 | 454.72 | 452.40 | 449.50 |
| 55 | 400.78 | 400.20 | 399.62 | 398.46 | 396.72 | 394.98 | 392.66 | 389.76 | 386.86 | 383.96 |
| 60 | 332.92 | 332.92 | 332.34 | 331.18 | 329.44 | 327.12 | 324.80 | 321.90 | 319.00 | 315.52 |
| 65 | 264.48 | 264.48 | 263.90 | 262.74 | 261.00 | 258.68 | 256.94 | 254.04 | 251.14 | 248.24 |
| 70 | 198.94 | 198.94 | 198.36 | 197.20 | 196.04 | 194.30 | 191.98 | 190.24 | 187.92 | 185.02 |
| 75 | 139.20 | 139.20 | 138.62 | 137.46 | 136.30 | 135.14 | 133.40 | 131.08 | 128.76 | 126.44 |
| 80 | 85.26 | 84.68 | 84.68 | 83.52 | 82.94 | 81.20 | 80.04 | 78.88 | 77.14 | 74.82 |
| 85 | 40.60 | 40.02 | 40.02 | 39.44 | 38.86 | 38.28 | 37.12 | 35.96 | 34.80 | 33.64 |
| 90 | 11.02 | 10.44 | 10.44 | 10.44 | 9.86 | 9.86 | 9.28 | 8.70 | 8.12 | 7.54 |
| 95 | 9.28 | 9.28 | 9.28 | 8.70 | 8.70 | 8.12 | 8.12 | 7.54 | 6.96 | 6.96 |
| 100 | 8.70 | 8.70 | 8.70 | 8.70 | 8.12 | 8.12 | 7.54 | 7.54 | 6.96 | 6.38 |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 |
| 5 | 716.30 | 715.14 | 713.40 | 712.24 | 710.50 | 708.76 | 706.44 | 704.70 | 702.96 | 700.64 |
| 10 | 718.62 | 716.30 | 713.98 | 711.66 | 708.76 | 705.28 | 701.80 | 697.74 | 693.68 | 689.62 |
| 15 | 711.66 | 708.76 | 706.44 | 702.96 | 698.90 | 694.84 | 690.20 | 684.40 | 678.02 | 671.06 |
| 20 | 696.58 | 694.26 | 691.36 | 687.88 | 683.24 | 678.02 | 671.64 | 664.68 | 656.56 | 647.28 |
| 25 | 673.96 | 671.64 | 668.16 | 664.68 | 659.46 | 653.66 | 646.70 | 638.00 | 627.56 | 615.38 |
| 30 | 643.80 | 641.48 | 638.00 | 633.94 | 629.30 | 622.92 | 614.80 | 604.36 | 592.18 | 577.10 |
| 35 | 605.52 | 603.20 | 599.72 | 595.66 | 591.02 | 584.06 | 575.36 | 564.34 | 549.84 | 531.28 |
| 40 | 560.28 | 557.38 | 554.48 | 550.42 | 545.20 | 537.66 | 528.38 | 516.20 | 500.54 | 479.66 |
| 45 | 506.34 | 503.44 | 499.96 | 495.90 | 490.68 | 483.72 | 473.86 | 461.10 | 443.70 | 419.92 |
| 50 | 446.02 | 443.12 | 439.06 | 435.00 | 429.78 | 422.24 | 412.38 | 399.04 | 381.06 | 356.70 |
| 55 | 380.48 | 377.00 | 372.94 | 368.30 | 362.50 | 355.54 | 345.68 | 332.34 | 314.94 | 291.16 |
| 60 | 312.04 | 307.98 | 303.92 | 299.28 | 294.06 | 287.10 | 277.82 | 265.64 | 249.40 | 226.78 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z1_LO_35_A2.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 65 | 244.76 | 240.70 | 236.64 | 232.00 | 226.20 | 219.82 | 211.70 | 201.26 | 187.34 | 169.36 |
| 70 | 181.54 | 178.06 | 174.00 | 169.94 | 164.72 | 158.92 | 151.96 | 143.26 | 132.24 | 118.90 |
| 75 | 123.54 | 120.64 | 117.74 | 113.68 | 109.62 | 104.98 | 99.76 | 92.80 | 84.68 | 75.40 |
| 80 | 73.08 | 70.76 | 67.86 | 65.54 | 62.06 | 58.58 | 55.10 | 50.46 | 45.82 | 40.60 |
| 85 | 31.90 | 30.74 | 29.00 | 27.26 | 24.94 | 22.62 | 20.30 | 17.98 | 15.66 | 13.92 |
| 90 | 6.96 | 6.38 | 5.80 | 4.64 | 4.06 | 2.90 | 1.74 | 1.16 | 0.00 | 0.00 |
| 95 | 6.38 | 5.80 | 5.22 | 4.64 | 3.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Vert. Horizontal Angles

| | <u>100</u> | <u>105</u> | <u>110</u> | <u>115</u> | <u>120</u> | <u>125</u> | <u>130</u> | <u>135</u> | <u>140</u> | <u>145</u> |
|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 |
| 5 | 698.32 | 696.00 | 693.68 | 691.94 | 689.62 | 687.30 | 685.56 | 683.24 | 681.50 | 679.76 |
| 10 | 684.98 | 679.76 | 674.54 | 669.32 | 664.10 | 658.88 | 653.08 | 647.86 | 643.22 | 638.58 |
| 15 | 663.52 | 655.40 | 646.70 | 637.42 | 627.56 | 617.70 | 608.42 | 598.56 | 589.28 | 580.58 |
| 20 | 636.26 | 624.08 | 611.32 | 597.40 | 581.74 | 566.66 | 551.58 | 535.34 | 520.84 | 505.76 |
| 25 | 601.46 | 585.22 | 566.66 | 547.52 | 525.48 | 503.44 | 481.40 | 459.36 | 437.32 | 417.60 |
| 30 | 559.70 | 538.24 | 515.04 | 489.52 | 461.10 | 431.52 | 403.10 | 374.68 | 349.16 | 325.38 |
| 35 | 509.82 | 483.72 | 455.30 | 422.24 | 389.18 | 355.54 | 321.90 | 290.58 | 263.90 | 240.12 |
| 40 | 454.14 | 423.98 | 390.34 | 353.80 | 315.52 | 279.56 | 245.34 | 215.76 | 191.40 | 170.52 |
| 45 | 392.66 | 358.44 | 321.90 | 284.20 | 245.34 | 211.12 | 180.96 | 156.02 | 136.30 | 120.06 |
| 50 | 327.70 | 292.90 | 256.36 | 219.24 | 184.44 | 155.44 | 130.50 | 111.36 | 96.86 | 85.26 |
| 55 | 262.74 | 229.68 | 192.56 | 165.30 | 136.30 | 113.10 | 95.12 | 80.62 | 70.18 | 62.64 |
| 60 | 196.62 | 174.58 | 145.00 | 120.06 | 98.60 | 81.78 | 68.44 | 58.58 | 51.04 | 45.82 |
| 65 | 148.48 | 126.44 | 104.98 | 86.42 | 70.76 | 58.58 | 49.30 | 42.34 | 37.70 | 33.64 |
| 70 | 103.24 | 87.58 | 72.50 | 59.74 | 48.72 | 40.60 | 34.80 | 29.58 | 26.10 | 23.78 |
| 75 | 65.54 | 55.68 | 47.56 | 38.28 | 31.32 | 26.10 | 22.62 | 19.14 | 17.40 | 15.66 |
| 80 | 35.38 | 29.58 | 24.36 | 20.30 | 16.82 | 14.50 | 12.18 | 10.44 | 9.28 | 8.70 |
| 85 | 12.18 | 10.44 | 8.70 | 6.96 | 5.80 | 5.22 | 4.64 | 4.06 | 3.48 | 3.48 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z1_LO_35_A2.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|------------|------|------|------|------|------|------|------|------|------|------|
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Vert. Angles **Horizontal Angles**

| | <u>150</u> | <u>155</u> | <u>160</u> | <u>165</u> | <u>170</u> | <u>175</u> | <u>180</u> |
|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 0 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 | 705.86 |
| 5 | 678.60 | 676.86 | 676.28 | 675.12 | 674.54 | 673.96 | 673.96 |
| 10 | 634.52 | 631.04 | 627.56 | 625.24 | 623.50 | 622.34 | 621.76 |
| 15 | 572.46 | 565.50 | 559.12 | 553.90 | 550.42 | 548.10 | 547.52 |
| 20 | 493.00 | 481.40 | 471.54 | 463.42 | 457.62 | 454.14 | 452.98 |
| 25 | 399.62 | 383.96 | 371.20 | 360.76 | 353.22 | 348.58 | 347.42 |
| 30 | 304.50 | 287.10 | 273.18 | 262.74 | 254.62 | 249.98 | 248.82 |
| 35 | 219.82 | 204.16 | 191.40 | 182.12 | 175.74 | 172.26 | 171.10 |
| 40 | 154.28 | 141.52 | 131.66 | 124.70 | 120.06 | 117.16 | 116.00 |
| 45 | 107.88 | 98.60 | 92.22 | 87.00 | 84.10 | 82.36 | 81.78 |
| 50 | 76.56 | 70.76 | 66.12 | 62.64 | 60.90 | 59.74 | 59.16 |
| 55 | 56.26 | 52.20 | 49.30 | 46.98 | 45.82 | 44.66 | 44.66 |
| 60 | 41.76 | 38.86 | 36.54 | 35.38 | 34.22 | 33.64 | 33.64 |
| 65 | 30.74 | 29.00 | 27.26 | 26.10 | 25.52 | 24.94 | 24.94 |
| 70 | 21.46 | 20.30 | 19.14 | 18.56 | 17.98 | 17.98 | 17.40 |
| 75 | 14.50 | 13.34 | 12.76 | 12.18 | 11.60 | 11.60 | 11.60 |
| 80 | 8.12 | 7.54 | 6.96 | 6.96 | 6.38 | 6.38 | 6.38 |
| 85 | 2.90 | 2.90 | 2.90 | 2.90 | 2.32 | 2.32 | 2.32 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z1_LO_35_A2.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 250.86 | N.A. | 16.10 |
| 0-30 | 512.78 | N.A. | 32.90 |
| 0-40 | 801.30 | N.A. | 51.40 |
| 0-60 | 1296.98 | N.A. | 83.20 |
| 0-80 | 1532.39 | N.A. | 98.30 |
| 0-90 | 1555.54 | N.A. | 99.80 |
| 10-90 | 1489.2 | N.A. | 95.50 |
| 20-40 | 550.44 | N.A. | 35.30 |
| 20-50 | 822.83 | N.A. | 52.80 |
| 40-70 | 649.53 | N.A. | 41.70 |
| 60-80 | 235.40 | N.A. | 15.10 |
| 70-80 | 81.56 | N.A. | 5.20 |
| 80-90 | 23.15 | N.A. | 1.50 |
| 90-110 | 3.64 | N.A. | 0.20 |
| 90-120 | 3.64 | N.A. | 0.20 |
| 90-130 | 3.64 | N.A. | 0.20 |
| 90-150 | 3.64 | N.A. | 0.20 |
| 90-180 | 3.64 | N.A. | 0.20 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 1559.18 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 66.35 |
| 10-20 | 184.51 |
| 20-30 | 261.93 |
| 30-40 | 288.51 |
| 40-50 | 272.39 |
| 50-60 | 223.30 |
| 60-70 | 153.84 |
| 70-80 | 81.56 |
| 80-90 | 23.15 |
| 90-100 | 3.08 |
| 100-110 | 0.56 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

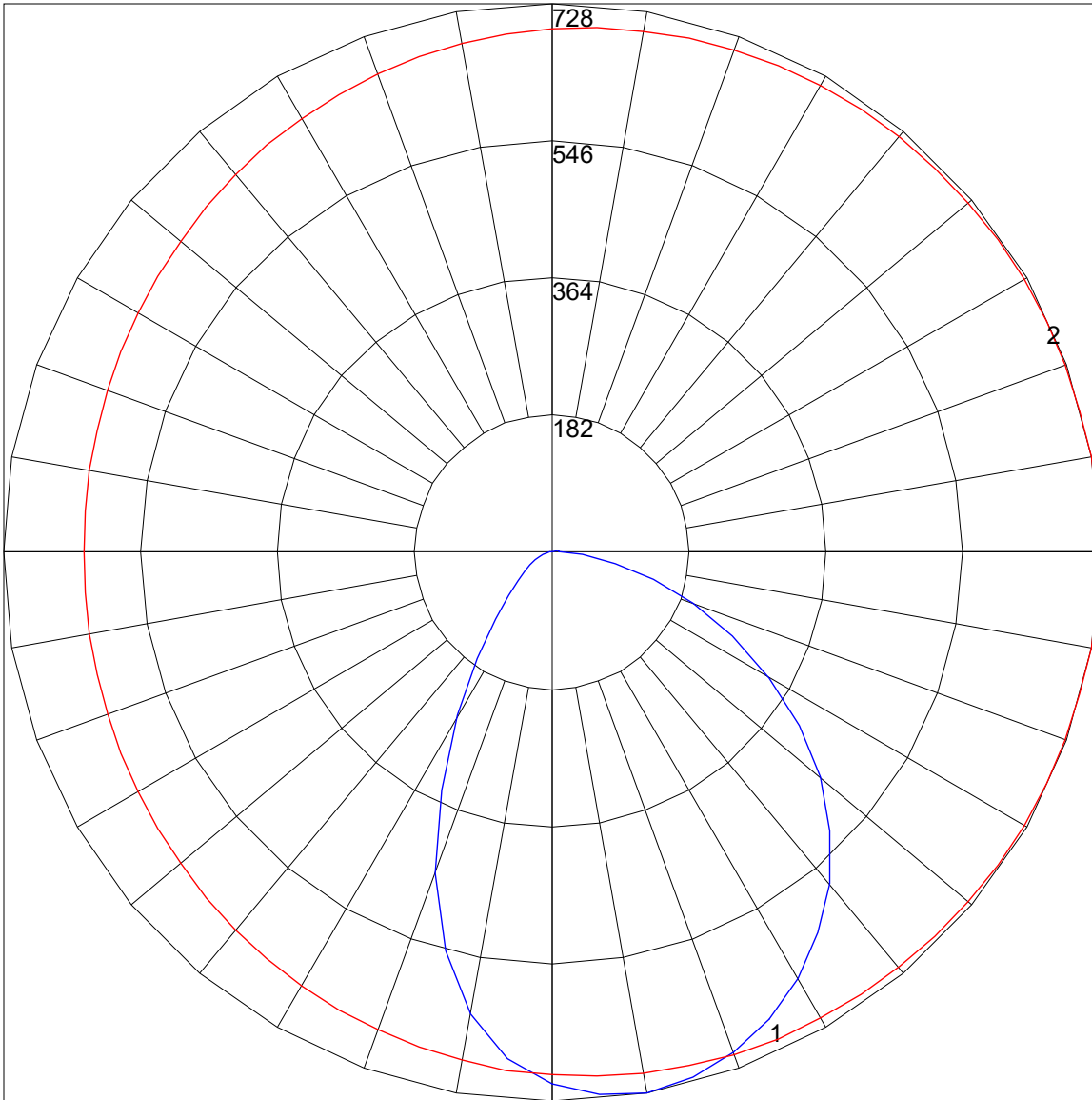
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z1_LO_35_A2.IES

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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 110 | 105 | 101 | 98 | 107 | 103 | 99 | 96 | 99 | 96 | 93 | 95 | 92 | 90 | 91 | 89 | 87 | 85 |
| 2 | 100 | 93 | 86 | 81 | 98 | 91 | 85 | 80 | 87 | 82 | 78 | 84 | 80 | 76 | 81 | 78 | 75 | 72 |
| 3 | 92 | 82 | 74 | 68 | 90 | 81 | 73 | 68 | 78 | 72 | 67 | 75 | 70 | 65 | 72 | 68 | 64 | 62 |
| 4 | 85 | 73 | 65 | 59 | 82 | 72 | 64 | 58 | 70 | 63 | 58 | 67 | 61 | 57 | 65 | 60 | 56 | 54 |
| 5 | 78 | 66 | 58 | 51 | 76 | 65 | 57 | 51 | 63 | 56 | 50 | 61 | 55 | 50 | 59 | 54 | 49 | 47 |
| 6 | 73 | 60 | 51 | 45 | 71 | 59 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 42 |
| 7 | 68 | 55 | 46 | 40 | 66 | 54 | 46 | 40 | 52 | 45 | 40 | 51 | 44 | 40 | 49 | 44 | 39 | 37 |
| 8 | 63 | 50 | 42 | 36 | 62 | 49 | 42 | 36 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 34 |
| 9 | 59 | 46 | 38 | 33 | 58 | 46 | 38 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 37 | 32 | 31 |
| 10 | 55 | 43 | 35 | 30 | 54 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 30 | 39 | 34 | 30 | 28 |

POLAR GRAPH



Maximum Candela = 727.9 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)