

IES Report

ZipThree® | 707 | Symmetric with EdgeGlow™, up | 85° Asymmetric , down | 80 CRI | HO

707-Z3-4-48-XX-XX-X-0-Z-HO-35-U2A1-X-AL / WH-X

| | 2700K | 3000K | 3500K | 4000K |
|--|-------|-------|-------|-------|
| Efficacy - Lumens per Watt | 120 | 124 | 126 | 126 |
| Total Lumens, 4' rail length (1219mm) | 12843 | 13249 | 13519 | 13519 |
| Lumens per foot (305mm) | 3211 | 3312 | 3380 | 3380 |
| Lumens per foot UP (305mm) | 1911 | 1971 | 2011 | 2011 |
| Lumens per foot DOWN (305mm) | 1300 | 1341 | 1369 | 1369 |
| Input Power (W), 4' rail length (1219mm) | 107.7 | 107.7 | 107.7 | 107.7 |
| Watts per foot (305mm) | 27.0 | 27.0 | 27.0 | 27.0 |
| 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_Z3_HO_35_U2A1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911545 / L121911542R01 (SOURCE REPORTS FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] VODE LIGHTING

[LUMCAT] 707-Z3-48-Z-HO-35-U2A1-AL

[LUMINAIRE] ZipThree LED, 48", 3500K, 80 CRI, zipper board, symmetric lens with edgeglow up/85° asymmetric lens down,

[MORE] high output, clear anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 13495 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 125 |
| Total Luminaire Watts | 107.66 |
| Ballast Factor | 1.00 |
| CIE Type | General Diffuse |
| Spacing Criterion (0-180) | N.A. |
| Spacing Criterion (90-270) | N.A. |
| Spacing Criterion (Diagonal) | N.A. |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 0.17 ft |
| Luminous Width (90-270) | 3.98 ft |
| Luminous Height | 0.02 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 43670 | 43501 | 33458 |
| 55 | 37840 | 38458 | 29235 |
| 65 | 29731 | 30695 | 23656 |
| 75 | 20654 | 21637 | 17505 |
| 85 | 9240 | 9871 | 10244 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_HO_35_U2A1.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 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 |
| 5 | 2580.6 | 2580.6 | 2578.4 | 2574.0 | 2569.6 | 2563.0 | 2556.4 | 2547.6 | 2536.6 | 2525.6 |
| 10 | 2736.8 | 2734.6 | 2732.4 | 2725.8 | 2719.2 | 2706.0 | 2695.0 | 2679.6 | 2659.8 | 2642.2 |
| 15 | 2820.4 | 2818.2 | 2813.8 | 2807.2 | 2798.4 | 2785.2 | 2769.8 | 2752.2 | 2730.2 | 2703.8 |
| 20 | 2838.0 | 2835.8 | 2833.6 | 2827.0 | 2818.2 | 2802.8 | 2787.4 | 2767.6 | 2745.6 | 2719.2 |
| 25 | 2800.6 | 2800.6 | 2796.2 | 2789.6 | 2780.8 | 2767.6 | 2754.4 | 2734.6 | 2710.4 | 2684.0 |
| 30 | 2719.2 | 2717.0 | 2714.8 | 2708.2 | 2699.4 | 2686.2 | 2673.0 | 2653.2 | 2631.2 | 2607.0 |
| 35 | 2587.2 | 2587.2 | 2582.8 | 2578.4 | 2569.6 | 2558.6 | 2545.4 | 2530.0 | 2508.0 | 2483.8 |
| 40 | 2404.6 | 2402.4 | 2402.4 | 2398.0 | 2391.4 | 2382.6 | 2371.6 | 2356.2 | 2338.6 | 2316.6 |
| 45 | 2171.4 | 2171.4 | 2169.2 | 2167.0 | 2162.6 | 2153.8 | 2147.2 | 2136.2 | 2120.8 | 2103.2 |
| 50 | 1896.4 | 1896.4 | 1894.2 | 1894.2 | 1889.8 | 1885.4 | 1878.8 | 1872.2 | 1861.2 | 1845.8 |
| 55 | 1595.0 | 1595.0 | 1595.0 | 1592.8 | 1590.6 | 1588.4 | 1584.0 | 1577.4 | 1568.6 | 1559.8 |
| 60 | 1287.0 | 1287.0 | 1287.0 | 1284.8 | 1282.6 | 1282.6 | 1278.2 | 1273.8 | 1267.2 | 1258.4 |
| 65 | 990.0 | 990.0 | 990.0 | 990.0 | 987.8 | 985.6 | 983.4 | 981.2 | 974.6 | 968.0 |
| 70 | 723.8 | 723.8 | 723.8 | 723.8 | 721.6 | 721.6 | 719.4 | 715.0 | 710.6 | 706.2 |
| 75 | 484.0 | 484.0 | 484.0 | 484.0 | 481.8 | 481.8 | 479.6 | 475.2 | 473.0 | 466.4 |
| 80 | 279.4 | 279.4 | 279.4 | 279.4 | 279.4 | 277.2 | 275.0 | 272.8 | 270.6 | 266.2 |
| 85 | 118.8 | 118.8 | 118.8 | 118.8 | 116.6 | 114.4 | 114.4 | 112.2 | 110.0 | 107.8 |
| 90 | 44.0 | 44.0 | 41.8 | 41.8 | 39.6 | 37.4 | 35.2 | 30.8 | 28.6 | 26.4 |
| 95 | 129.8 | 129.8 | 127.6 | 127.6 | 125.4 | 123.2 | 121.0 | 118.8 | 116.6 | 112.2 |
| 100 | 255.2 | 255.2 | 255.2 | 255.2 | 253.0 | 253.0 | 250.8 | 248.6 | 248.6 | 246.4 |
| 105 | 418.0 | 418.0 | 418.0 | 418.0 | 418.0 | 418.0 | 418.0 | 418.0 | 418.0 | 418.0 |
| 110 | 613.8 | 613.8 | 616.0 | 616.0 | 616.0 | 618.2 | 618.2 | 620.4 | 622.6 | 622.6 |
| 115 | 842.6 | 842.6 | 844.8 | 844.8 | 847.0 | 849.2 | 851.4 | 853.6 | 855.8 | 860.2 |
| 120 | 1100.0 | 1100.0 | 1100.0 | 1102.2 | 1104.4 | 1106.6 | 1111.0 | 1115.4 | 1119.8 | 1122.0 |
| 125 | 1372.8 | 1372.8 | 1375.0 | 1377.2 | 1379.4 | 1383.8 | 1386.0 | 1390.4 | 1397.0 | 1401.4 |
| 130 | 1650.0 | 1650.0 | 1652.2 | 1654.4 | 1656.6 | 1661.0 | 1665.4 | 1669.8 | 1674.2 | 1680.8 |
| 135 | 1916.2 | 1916.2 | 1918.4 | 1920.6 | 1922.8 | 1927.2 | 1929.4 | 1933.8 | 1938.2 | 1944.8 |
| 140 | 2158.2 | 2158.2 | 2158.2 | 2162.6 | 2164.8 | 2167.0 | 2169.2 | 2173.6 | 2178.0 | 2182.4 |
| 145 | 2369.4 | 2371.6 | 2371.6 | 2373.8 | 2373.8 | 2376.0 | 2380.4 | 2382.6 | 2384.8 | 2389.2 |
| 150 | 2549.8 | 2549.8 | 2549.8 | 2549.8 | 2552.0 | 2554.2 | 2556.4 | 2556.4 | 2558.6 | 2560.8 |
| 155 | 2695.0 | 2695.0 | 2695.0 | 2695.0 | 2697.2 | 2697.2 | 2699.4 | 2701.6 | 2701.6 | 2703.8 |
| 160 | 2811.6 | 2811.6 | 2811.6 | 2811.6 | 2813.8 | 2813.8 | 2813.8 | 2813.8 | 2813.8 | 2816.0 |
| 165 | 2899.6 | 2899.6 | 2899.6 | 2899.6 | 2899.6 | 2899.6 | 2899.6 | 2899.6 | 2899.6 | 2899.6 |
| 170 | 2959.0 | 2959.0 | 2959.0 | 2959.0 | 2959.0 | 2959.0 | 2959.0 | 2959.0 | 2959.0 | 2961.2 |
| 175 | 2992.0 | 2992.0 | 2994.2 | 2992.0 | 2992.0 | 2992.0 | 2994.2 | 2994.2 | 2992.0 | 2994.2 |
| 180 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 |

**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 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 |
| 5 | 2512.4 | 2499.2 | 2483.8 | 2468.4 | 2450.8 | 2433.2 | 2415.6 | 2395.8 | 2376.0 | 2354.0 |
| 10 | 2618.0 | 2593.8 | 2565.2 | 2534.4 | 2501.4 | 2466.2 | 2428.8 | 2389.2 | 2345.2 | 2299.0 |
| 15 | 2675.2 | 2642.2 | 2604.8 | 2565.2 | 2519.0 | 2470.6 | 2415.6 | 2358.4 | 2292.4 | 2224.2 |
| 20 | 2684.0 | 2648.8 | 2607.0 | 2560.8 | 2505.8 | 2446.4 | 2376.0 | 2301.2 | 2217.6 | 2127.4 |
| 25 | 2651.0 | 2613.6 | 2569.6 | 2519.0 | 2457.4 | 2387.0 | 2310.0 | 2222.0 | 2120.8 | 2008.6 |
| 30 | 2576.2 | 2536.6 | 2492.6 | 2439.8 | 2376.0 | 2301.2 | 2215.4 | 2118.6 | 1999.8 | 1870.0 |
| 35 | 2455.2 | 2417.8 | 2373.8 | 2321.0 | 2259.4 | 2182.4 | 2092.2 | 1984.4 | 1856.8 | 1711.6 |
| 40 | 2288.0 | 2252.8 | 2215.4 | 2164.8 | 2103.2 | 2026.2 | 1933.8 | 1823.8 | 1687.4 | 1533.4 |
| 45 | 2079.0 | 2048.2 | 2010.8 | 1964.6 | 1907.4 | 1832.6 | 1742.4 | 1632.4 | 1496.0 | 1337.6 |
| 50 | 1826.0 | 1801.8 | 1768.8 | 1724.8 | 1674.2 | 1606.0 | 1518.0 | 1414.6 | 1280.4 | 1133.0 |
| 55 | 1542.2 | 1522.4 | 1496.0 | 1458.6 | 1414.6 | 1353.0 | 1276.0 | 1179.2 | 1062.6 | 926.2 |
| 60 | 1247.4 | 1229.8 | 1207.8 | 1179.2 | 1139.6 | 1089.0 | 1023.0 | 941.6 | 840.4 | 723.8 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_HO_35_U2A1.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 65 | 957.0 | 943.8 | 926.2 | 902.0 | 871.2 | 831.6 | 778.8 | 715.0 | 635.8 | 541.2 |
| 70 | 697.4 | 686.4 | 673.2 | 653.4 | 629.2 | 598.4 | 558.8 | 510.4 | 451.0 | 382.8 |
| 75 | 459.8 | 453.2 | 442.2 | 429.0 | 411.4 | 391.6 | 363.0 | 330.0 | 290.4 | 248.6 |
| 80 | 261.8 | 255.2 | 248.6 | 239.8 | 228.8 | 217.8 | 200.2 | 182.6 | 160.6 | 136.4 |
| 85 | 103.4 | 101.2 | 96.8 | 92.4 | 88.0 | 81.4 | 77.0 | 68.2 | 59.4 | 50.6 |
| 90 | 22.0 | 19.8 | 15.4 | 13.2 | 11.0 | 8.8 | 6.6 | 6.6 | 4.4 | 6.6 |
| 95 | 110.0 | 105.6 | 103.4 | 99.0 | 96.8 | 92.4 | 90.2 | 90.2 | 88.0 | 90.2 |
| 100 | 244.2 | 242.0 | 239.8 | 237.6 | 235.4 | 233.2 | 231.0 | 228.8 | 228.8 | 228.8 |
| 105 | 418.0 | 415.8 | 415.8 | 415.8 | 413.6 | 413.6 | 413.6 | 411.4 | 411.4 | 411.4 |
| 110 | 624.8 | 624.8 | 627.0 | 627.0 | 629.2 | 629.2 | 629.2 | 629.2 | 629.2 | 629.2 |
| 115 | 862.4 | 864.6 | 869.0 | 871.2 | 873.4 | 873.4 | 875.6 | 875.6 | 875.6 | 875.6 |
| 120 | 1126.4 | 1130.8 | 1135.2 | 1139.6 | 1141.8 | 1146.2 | 1146.2 | 1148.4 | 1148.4 | 1148.4 |
| 125 | 1405.8 | 1412.4 | 1416.8 | 1421.2 | 1425.6 | 1430.0 | 1432.2 | 1432.2 | 1432.2 | 1432.2 |
| 130 | 1685.2 | 1689.6 | 1696.2 | 1700.6 | 1705.0 | 1709.4 | 1709.4 | 1711.6 | 1711.6 | 1711.6 |
| 135 | 1949.2 | 1953.6 | 1958.0 | 1962.4 | 1966.8 | 1969.0 | 1971.2 | 1973.4 | 1971.2 | 1973.4 |
| 140 | 2186.8 | 2189.0 | 2193.4 | 2197.8 | 2200.0 | 2202.2 | 2204.4 | 2204.4 | 2204.4 | 2204.4 |
| 145 | 2391.4 | 2393.6 | 2398.0 | 2398.0 | 2400.2 | 2402.4 | 2402.4 | 2404.6 | 2404.6 | 2404.6 |
| 150 | 2563.0 | 2565.2 | 2567.4 | 2569.6 | 2569.6 | 2571.8 | 2571.8 | 2571.8 | 2571.8 | 2571.8 |
| 155 | 2703.8 | 2706.0 | 2706.0 | 2706.0 | 2708.2 | 2708.2 | 2708.2 | 2708.2 | 2708.2 | 2708.2 |
| 160 | 2816.0 | 2818.2 | 2818.2 | 2818.2 | 2818.2 | 2818.2 | 2818.2 | 2818.2 | 2820.4 | 2818.2 |
| 165 | 2901.8 | 2901.8 | 2901.8 | 2901.8 | 2901.8 | 2901.8 | 2901.8 | 2904.0 | 2901.8 | 2904.0 |
| 170 | 2961.2 | 2959.0 | 2961.2 | 2961.2 | 2961.2 | 2961.2 | 2961.2 | 2961.2 | 2959.0 | 2961.2 |
| 175 | 2994.2 | 2994.2 | 2994.2 | 2994.2 | 2994.2 | 2994.2 | 2994.2 | 2994.2 | 2994.2 | 2994.2 |
| 180 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 |

**Vert.
Angles**

Horizontal Angles

| | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 |
| 5 | 2334.2 | 2314.4 | 2292.4 | 2272.6 | 2255.0 | 2235.2 | 2217.6 | 2200.0 | 2184.6 | 2169.2 |
| 10 | 2255.0 | 2208.8 | 2160.4 | 2114.2 | 2068.0 | 2024.0 | 1982.2 | 1938.2 | 1900.8 | 1865.6 |
| 15 | 2153.8 | 2081.2 | 2004.2 | 1927.2 | 1854.6 | 1782.0 | 1713.8 | 1645.6 | 1586.2 | 1531.2 |
| 20 | 2028.4 | 1929.4 | 1826.0 | 1722.6 | 1617.0 | 1520.2 | 1430.0 | 1344.2 | 1271.6 | 1203.4 |
| 25 | 1889.8 | 1762.2 | 1630.2 | 1504.8 | 1372.8 | 1260.6 | 1157.2 | 1062.6 | 983.4 | 915.2 |
| 30 | 1731.4 | 1579.6 | 1427.8 | 1282.6 | 1139.6 | 1018.6 | 913.0 | 820.6 | 743.6 | 679.8 |
| 35 | 1555.4 | 1388.2 | 1221.0 | 1067.0 | 921.8 | 805.2 | 706.2 | 622.6 | 554.4 | 503.8 |
| 40 | 1366.2 | 1190.2 | 1018.6 | 869.0 | 730.4 | 624.8 | 539.0 | 468.6 | 413.6 | 374.0 |
| 45 | 1170.4 | 994.4 | 829.4 | 690.8 | 569.8 | 479.6 | 409.2 | 354.2 | 314.6 | 283.8 |
| 50 | 972.4 | 809.6 | 664.4 | 543.4 | 442.2 | 369.6 | 314.6 | 272.8 | 244.2 | 222.2 |
| 55 | 754.6 | 638.0 | 517.0 | 418.0 | 338.8 | 283.8 | 242.0 | 211.2 | 191.4 | 178.2 |
| 60 | 605.0 | 490.6 | 393.8 | 319.0 | 257.4 | 215.6 | 187.0 | 167.2 | 151.8 | 140.8 |
| 65 | 451.0 | 363.0 | 290.4 | 235.4 | 195.8 | 165.0 | 143.0 | 127.6 | 116.6 | 110.0 |
| 70 | 319.0 | 259.6 | 206.8 | 173.8 | 140.8 | 121.0 | 105.6 | 94.6 | 88.0 | 81.4 |
| 75 | 206.8 | 171.6 | 138.6 | 114.4 | 94.6 | 81.4 | 72.6 | 66.0 | 59.4 | 55.0 |
| 80 | 114.4 | 94.6 | 77.0 | 63.8 | 55.0 | 48.4 | 41.8 | 37.4 | 35.2 | 33.0 |
| 85 | 44.0 | 37.4 | 30.8 | 26.4 | 22.0 | 19.8 | 17.6 | 17.6 | 15.4 | 15.4 |
| 90 | 6.6 | 8.8 | 11.0 | 13.2 | 15.4 | 19.8 | 22.0 | 26.4 | 28.6 | 30.8 |
| 95 | 90.2 | 92.4 | 96.8 | 99.0 | 103.4 | 105.6 | 110.0 | 112.2 | 116.6 | 118.8 |
| 100 | 231.0 | 233.2 | 235.4 | 237.6 | 239.8 | 242.0 | 244.2 | 246.4 | 248.6 | 248.6 |
| 105 | 413.6 | 413.6 | 413.6 | 415.8 | 415.8 | 415.8 | 418.0 | 418.0 | 418.0 | 418.0 |
| 110 | 629.2 | 629.2 | 629.2 | 627.0 | 627.0 | 624.8 | 624.8 | 622.6 | 622.6 | 620.4 |
| 115 | 875.6 | 873.4 | 873.4 | 871.2 | 869.0 | 864.6 | 862.4 | 860.2 | 855.8 | 853.6 |
| 120 | 1146.2 | 1146.2 | 1141.8 | 1139.6 | 1135.2 | 1130.8 | 1126.4 | 1122.0 | 1119.8 | 1115.4 |
| 125 | 1432.2 | 1430.0 | 1425.6 | 1421.2 | 1416.8 | 1412.4 | 1405.8 | 1401.4 | 1397.0 | 1390.4 |
| 130 | 1709.4 | 1709.4 | 1705.0 | 1700.6 | 1696.2 | 1689.6 | 1685.2 | 1680.8 | 1674.2 | 1669.8 |
| 135 | 1971.2 | 1969.0 | 1966.8 | 1962.4 | 1958.0 | 1953.6 | 1949.2 | 1944.8 | 1938.2 | 1933.8 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_HO_35_U2A1.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 140 | 2204.4 | 2202.2 | 2200.0 | 2197.8 | 2193.4 | 2189.0 | 2186.8 | 2182.4 | 2178.0 | 2173.6 |
| 145 | 2402.4 | 2402.4 | 2400.2 | 2398.0 | 2398.0 | 2393.6 | 2391.4 | 2389.2 | 2384.8 | 2382.6 |
| 150 | 2571.8 | 2571.8 | 2569.6 | 2569.6 | 2567.4 | 2565.2 | 2563.0 | 2560.8 | 2558.6 | 2556.4 |
| 155 | 2708.2 | 2708.2 | 2708.2 | 2706.0 | 2706.0 | 2706.0 | 2703.8 | 2703.8 | 2701.6 | 2701.6 |
| 160 | 2818.2 | 2818.2 | 2818.2 | 2818.2 | 2818.2 | 2818.2 | 2816.0 | 2816.0 | 2813.8 | 2813.8 |
| 165 | 2901.8 | 2901.8 | 2901.8 | 2901.8 | 2901.8 | 2901.8 | 2901.8 | 2899.6 | 2899.6 | 2899.6 |
| 170 | 2961.2 | 2961.2 | 2961.2 | 2961.2 | 2961.2 | 2959.0 | 2961.2 | 2961.2 | 2959.0 | 2959.0 |
| 175 | 2994.2 | 2994.2 | 2994.2 | 2994.2 | 2994.2 | 2994.2 | 2994.2 | 2994.2 | 2992.0 | 2994.2 |
| 180 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 |

**Vert.
Angles**

Horizontal Angles

| | 150 | 155 | 160 | 165 | 170 | 175 | 180 |
|------------|------------|------------|------------|------------|------------|------------|------------|
| 0 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 | 2382.6 |
| 5 | 2156.0 | 2147.2 | 2136.2 | 2129.6 | 2125.2 | 2120.8 | 2120.8 |
| 10 | 1834.8 | 1808.4 | 1786.4 | 1768.8 | 1757.8 | 1749.0 | 1746.8 |
| 15 | 1485.0 | 1443.2 | 1410.2 | 1383.8 | 1366.2 | 1355.2 | 1350.8 |
| 20 | 1146.2 | 1100.0 | 1060.4 | 1031.8 | 1009.8 | 996.6 | 994.4 |
| 25 | 855.8 | 809.6 | 774.4 | 745.8 | 726.0 | 715.0 | 710.6 |
| 30 | 629.2 | 589.6 | 558.8 | 534.6 | 519.2 | 510.4 | 506.0 |
| 35 | 462.0 | 429.0 | 404.8 | 387.2 | 374.0 | 367.4 | 365.2 |
| 40 | 341.0 | 319.0 | 301.4 | 288.2 | 281.6 | 275.0 | 275.0 |
| 45 | 261.8 | 246.4 | 233.2 | 224.4 | 220.0 | 215.6 | 215.6 |
| 50 | 206.8 | 195.8 | 187.0 | 182.6 | 180.4 | 178.2 | 176.0 |
| 55 | 167.2 | 158.4 | 154.0 | 149.6 | 147.4 | 145.2 | 145.2 |
| 60 | 132.0 | 127.6 | 123.2 | 121.0 | 118.8 | 116.6 | 116.6 |
| 65 | 103.4 | 99.0 | 96.8 | 94.6 | 92.4 | 92.4 | 92.4 |
| 70 | 77.0 | 74.8 | 72.6 | 70.4 | 70.4 | 68.2 | 68.2 |
| 75 | 52.8 | 50.6 | 48.4 | 48.4 | 48.4 | 46.2 | 46.2 |
| 80 | 30.8 | 30.8 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| 85 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 90 | 35.2 | 37.4 | 39.6 | 41.8 | 41.8 | 44.0 | 44.0 |
| 95 | 121.0 | 123.2 | 125.4 | 127.6 | 127.6 | 129.8 | 129.8 |
| 100 | 250.8 | 253.0 | 253.0 | 255.2 | 255.2 | 255.2 | 255.2 |
| 105 | 418.0 | 418.0 | 418.0 | 418.0 | 418.0 | 418.0 | 418.0 |
| 110 | 618.2 | 618.2 | 616.0 | 616.0 | 616.0 | 613.8 | 613.8 |
| 115 | 851.4 | 849.2 | 847.0 | 844.8 | 844.8 | 842.6 | 842.6 |
| 120 | 1111.0 | 1106.6 | 1104.4 | 1102.2 | 1100.0 | 1100.0 | 1100.0 |
| 125 | 1386.0 | 1383.8 | 1379.4 | 1377.2 | 1375.0 | 1372.8 | 1372.8 |
| 130 | 1665.4 | 1661.0 | 1656.6 | 1654.4 | 1652.2 | 1650.0 | 1650.0 |
| 135 | 1929.4 | 1927.2 | 1922.8 | 1920.6 | 1918.4 | 1916.2 | 1916.2 |
| 140 | 2169.2 | 2167.0 | 2164.8 | 2162.6 | 2158.2 | 2158.2 | 2158.2 |
| 145 | 2380.4 | 2376.0 | 2373.8 | 2373.8 | 2371.6 | 2371.6 | 2369.4 |
| 150 | 2556.4 | 2554.2 | 2552.0 | 2549.8 | 2549.8 | 2549.8 | 2549.8 |
| 155 | 2699.4 | 2697.2 | 2697.2 | 2695.0 | 2695.0 | 2695.0 | 2695.0 |
| 160 | 2813.8 | 2813.8 | 2813.8 | 2811.6 | 2811.6 | 2811.6 | 2811.6 |
| 165 | 2899.6 | 2899.6 | 2899.6 | 2899.6 | 2899.6 | 2899.6 | 2899.6 |
| 170 | 2959.0 | 2959.0 | 2959.0 | 2959.0 | 2959.0 | 2959.0 | 2959.0 |
| 175 | 2994.2 | 2992.0 | 2992.0 | 2992.0 | 2994.2 | 2992.0 | 2992.0 |
| 180 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 | 3000.8 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_HO_35_U2A1.IES

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 837.32 | N.A. | 6.20 |
| 0-30 | 1715.77 | N.A. | 12.70 |
| 0-40 | 2721.01 | N.A. | 20.20 |
| 0-60 | 4529.06 | N.A. | 33.60 |
| 0-80 | 5382.37 | N.A. | 39.90 |
| 0-90 | 5465.06 | N.A. | 40.50 |
| 10-90 | 5241.83 | N.A. | 38.80 |
| 20-40 | 1883.69 | N.A. | 14.00 |
| 20-50 | 2870.14 | N.A. | 21.30 |
| 40-70 | 2369.99 | N.A. | 17.60 |
| 60-80 | 853.30 | N.A. | 6.30 |
| 70-80 | 291.36 | N.A. | 2.20 |
| 80-90 | 82.69 | N.A. | 0.60 |
| 90-110 | 582.25 | N.A. | 4.30 |
| 90-120 | 1439.62 | N.A. | 10.70 |
| 90-130 | 2693.76 | N.A. | 20.00 |
| 90-150 | 5681.44 | N.A. | 42.10 |
| 90-180 | 8029.64 | N.A. | 59.50 |
| 110-180 | 7447.39 | N.A. | 55.20 |
| 0-180 | 13494.7 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 223.24 |
| 10-20 | 614.09 |
| 20-30 | 878.45 |
| 30-40 | 1005.24 |
| 40-50 | 986.45 |
| 50-60 | 821.60 |
| 60-70 | 561.94 |
| 70-80 | 291.36 |
| 80-90 | 82.69 |
| 90-100 | 133.89 |
| 100-110 | 448.36 |
| 110-120 | 857.37 |
| 120-130 | 1254.15 |
| 130-140 | 1496.5 |
| 140-150 | 1491.18 |
| 150-160 | 1244.81 |
| 160-170 | 818.76 |
| 170-180 | 284.64 |

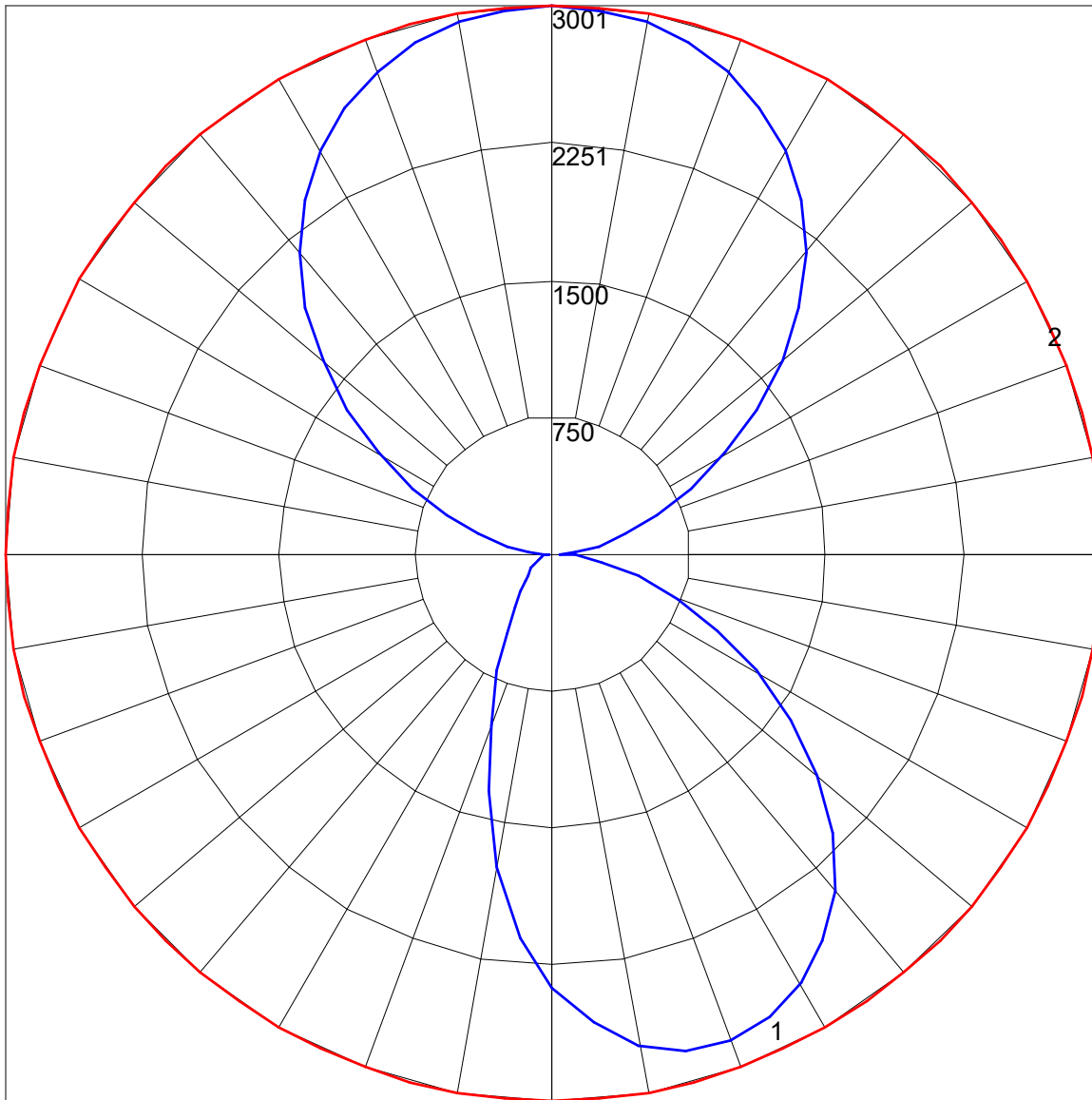
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_HO_35_U2A1.IES

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 | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 78 | 78 | 78 | 62 | 62 | 62 | 47 | 47 | 47 | 40 |
| 1 | 96 | 92 | 88 | 85 | 87 | 84 | 80 | 78 | 69 | 66 | 64 | 55 | 53 | 52 | 42 | 41 | 40 | 34 |
| 2 | 87 | 80 | 74 | 69 | 79 | 73 | 68 | 64 | 60 | 57 | 54 | 48 | 46 | 44 | 37 | 36 | 34 | 29 |
| 3 | 80 | 71 | 64 | 58 | 72 | 65 | 59 | 54 | 53 | 49 | 45 | 43 | 40 | 37 | 33 | 31 | 29 | 25 |
| 4 | 73 | 63 | 55 | 49 | 66 | 57 | 51 | 46 | 47 | 43 | 39 | 38 | 35 | 32 | 30 | 27 | 25 | 22 |
| 5 | 67 | 56 | 48 | 42 | 61 | 51 | 44 | 39 | 43 | 37 | 33 | 34 | 31 | 28 | 27 | 24 | 22 | 19 |
| 6 | 62 | 50 | 42 | 36 | 56 | 46 | 39 | 34 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 22 | 20 | 17 |
| 7 | 57 | 45 | 37 | 32 | 52 | 42 | 35 | 30 | 35 | 29 | 26 | 28 | 24 | 22 | 22 | 20 | 18 | 15 |
| 8 | 53 | 41 | 33 | 28 | 48 | 38 | 31 | 26 | 32 | 26 | 23 | 26 | 22 | 19 | 21 | 18 | 16 | 13 |
| 9 | 49 | 37 | 30 | 25 | 45 | 35 | 28 | 24 | 29 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 14 | 12 |
| 10 | 46 | 34 | 27 | 23 | 42 | 32 | 25 | 21 | 27 | 22 | 18 | 22 | 18 | 16 | 18 | 15 | 13 | 11 |

POLAR GRAPH



Maximum Candela = 3000.8 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)